

LIGHTWEIGHT STEEL FRAMING
WALL STUD & FLOOR JOIST
LOAD TABLES



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REFERENCE STANDARDS

NBCC		National Building Code of Canada
CAN/CSA-S136		North American Specification for the Design of Cold-Formed Steel Structural Members
ASTM A653/A653M		Standard Specification for Steel Sheet Zinc-Coated (Galvanized or Zinc-Iron Alloy Coated [Galvannealed]) by the Hot-Dip Process
ASTM C1007		Standard Specification for Installation of Load Bearing (Transverse & Axial) Steel Studs and Related Accessories
ASTM C955		Standard Specification for Load Bearing (Transverse & Axial) Steel Studs, Runners (Tracks), & Bracing or Bridging for Screw Application of Gypsum Panel Products and Metal Plaster Bases
CAN/ULC-S101		Standard Methods of Fire Endurance Tests of Building Construction and Materials

This document provides load tables for Bailey cold-formed steel studs and joists, supplemented by section property data for the component parts.

Computer output has typically been rounded to three significant figures. Trailing zeros after the third significant digit have no meaning.

There are significant changes from the 2004 issue of these tables:

- S136-07 (North American Specification for the Design of Cold-Formed Steel Structural Members) with S136S2-10 (Supplement 2) and the 2010 National Building Code of Canada are followed.
- Distortional buckling has been introduced in S136-07 as a new limit state. To assist users with this new criterion, section properties data is expanded to include the basic parameters necessary for calculating distortional buckling of studs and joists. Also, a new parameter, $k_{\phi min}$, is introduced which represents the threshold sheathing stiffness necessary to raise the distortional buckling moment or axial load to its yield value. This should make it easier for users to choose an appropriate sheathing to reduce the effect of distortional buckling where it governs.
- S136-07 has introduced a new interaction requirement – combined torsion and bending. This effect is captured as a reduction factor on fully restrained moment. Only the unsheathed axial load bearing studs are affected by this interaction and then only when axial load stresses are small relative to wind load stresses.
- The lip lengths for joists with 2.5" and 3" flange widths have been reduced from 0.75" to 0.625". These lip lengths have been adjusted for conformance with the North American Standard for Cold-Formed Steel Framing - Product Data, 2007 Edition, AISI S210-07.
- The load and importance factors are revised in accordance with the requirements of the 2010 National Building Code of Canada.

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1.) INTRODUCTION

The technical data in these reports is intended as an aid to the design professional and should not be used to replace the judgement of a qualified Engineer or Architect.

2.) SECTION GEOMETRIES

2.1) Section geometries are identified by the product designation method described in Commentary Item 9.

2.2) Stud and joist lip lengths are as follows:

Section	Flange Width (in.)	Lip Length (in.)
S125	1.250	0.1875
S162	1.625	0.5000
S200	2.000	0.6250
S250	2.500	0.6250
S300	3.000	0.6250

2.3) Stud, Joist, Track and Bridging Channel Inside Bend Radii are as follows:

Thickness (in.)	Inside Radius (in.)
0.0346	0.0764
0.0451	0.0712
0.0566	0.0849
0.0713	0.1069
0.1017	0.1525

3.) STUD AND JOIST SECTION PROPERTIES TABLES

- 3.1) Structural properties are computed in accordance with CSA Standard S136-07, North American Specification for the Design of Cold-Formed Steel Structural Members with S136S2-10 (Supplement 2).
- 3.2) Steel shall meet the requirements of S136-07 and S136S2-10 (Supplement 2) with a minimum yield strength of 33 ksi for design thicknesses less than or equal to 0.0451" and 50 ksi for design thicknesses greater than or equal to 0.0566".
- 3.3) Section properties are computed on the basis of the design thicknesses shown in the tables. Design thicknesses are exclusive of coating.
- 3.4) Perforations are assumed to be located at mid-depth and spaced at a minimum of 24" o.c. The distance from the centreline of the last perforation to the end of a wall stud or joist is assumed to be 12" minimum.
- 3.5) The increase in yield from the cold work of forming is conservatively neglected.
- 3.6) The maximum unbraced length, L_u , which precludes lateral buckling in beams is calculated from the formulae in the Commentary on North American Specification for the Design of Cold-Formed Steel Structural Members, 2007 Edition, AISI S100-2007-C, published by the American Iron and Steel Institute (Formulae C-C3.1.2.1-11, C-C3.1.2.1-12 & C-C3.1.2.1-14). K_y , K_z and C_b are set equal to one.

3.) STUD AND JOIST SECTION PROPERTIES TABLES (continued)

3.7) Factored resistances include the following resistance factors:

Moment	$\Phi_b = 0.90$ for local buckling and global buckling $\Phi_b = 0.85$ for distortional buckling
Axial Compression	$\Phi_c = 0.80$ for local buckling and global buckling $\Phi_b = 0.80$ for distortional buckling
Shear	$\Phi_v = 0.80$
Web Crippling	$\Phi_w = 0.75$ (see Item 3.9)

3.8) The deflection inertia, I_x , includes the effects of local buckling at the stress level resulting from specified live loads (approximated by $0.6 \times F_y$). This inertia is only appropriate for checking serviceability limit states.

3.9) Web Crippling

3.9.1) Studs

For the web crippling capacity of steel stud flexural members with stud to track connections susceptible to web crippling, S136-07 refers to the North American Standard for Cold-Formed Steel Framing – Wall Stud Design, AISI S211-07.

The wall stud web crippling calculations assume the following:

- Track thickness equal to or greater than the stud thickness
- Both flanges of the stud attached to the track
- Studs not adjacent to wall openings or discontinuities in the track
- Minimum bearing length = 1"
- The distance from the centreline of the last perforation to the end of the stud = 305 mm (12") minimum (for $R_c = 1$ from S136-07 C3.4.2)

3.9.2) Joists

Web crippling capacities are based on the provisions of S136-07 with the end one-flange loading fastened to support condition. A 88.9 mm (3.5") minimum bearing length is assumed. The distance from the centreline of the last perforation to the end of the joist = 305 mm (12") minimum. (for $R_c = 1$ from S136-07 C3.4.2)

3.10) Distortional Buckling

3.10.1) Distortional buckling properties and factored resistances are based on the unperforated section.

3.10.2) Neither S136-07, Sections A - G, nor do these tables include provisions for the weak axis distortional buckling of studs or joists (lips in compression). Where weak axis distortional buckling is a concern, additional calculation is required.

3.10.3) A new property $k_{\Phi_{min}}$ is provided which represents the threshold sheathing stiffness, k_{Φ} , necessary to raise the distortional buckling moment or axial nominal resistance to its yield value.

4.) TRACK AND BRIDGING CHANNEL SECTION PROPERTIES TABLES

- 4.1) The previous Commentary Items 3.1 - 3.3, 3.6 and 3.8 apply except that for bridging channels minimum yield strengths of 33 ksi and 50 ksi are provided for each thickness.
- 4.2) The actual inside to inside track depth is the nominal track depth given in the tables plus one inside bend radius. For bridging channels the actual outside to outside depth is the depth given in the tables.
- 4.3) The factored moment resistance, M_{rx} , is derived using effective section properties with the cold work of forming conservatively neglected. Factored shear and moment resistances, V_r and M_{rx} , include a 0.8 and 0.9 resistance factor respectively.

5.) WIND BEARING STUD ALLOWABLE HEIGHT TABLES

- 5.1) The allowable heights are computed in accordance with the requirements of the National Building Code of Canada 2010 and S136-07, North American Specification for the Design of Cold-Formed Steel Structural Members with S136S2-10 (Supplement 2).
- 5.2) Stud material, geometry and properties conform to the Stud Section Property Tables and Commentary Item 3.
- 5.3) Strength allowable heights are limited by end shear or midspan moment at the factored load level shown. The factored shear resistance is based on the perforated section. Factored moment resistance is the lesser of the fully restrained resisting moment for local buckling (*based on the perforated section with a resistance factor of 0.9*) and the resisting moment for distortional buckling (*based on the unperforated section with a resistance factor of 0.85*). Since the sheathing is not relied on to reduce the effect of distortional buckling, k_ϕ is set to zero in the distortional buckling calculations.
- 5.4) Sheathing providing full lateral support on both sides of the studs is assumed. The sheathings are to have adequate durability, strength & rigidity to prevent the studs from buckling laterally and to resist the torsional component of loads not applied through the shear centre. In addition to the sheathing requirements outlined above, you must also:
 - provide bridging at 5'-0" o.c. or less in order to align members and to provide the necessary structural integrity during construction and in the completed structure.
 - design the bridging to prevent stud rotation and translation about the minor axis.
 - provide periodic anchorage and/or blocking-in for the bridging as required structurally.
- 5.5) Wind loads are assumed to be uniformly distributed. Seismic loads are not considered.
- 5.6) The deflection allowable height ($L/360$) is calculated for the specified wind loads shown without imposing any strength limit states. In no case shall the deflection allowable height exceed the strength allowable height.

Allowable heights for deflection limits not shown can be calculated by multiplying the $L/360$ allowable heights by the following factors:

Required Deflection Limit	Factor
$L/1000$	0.711
$L/720$	0.794
$L/600$	0.843
$L/360$	1.000
$L/240$	1.145
$L/180$	1.260

5.) WIND BEARING STUD ALLOWABLE HEIGHT TABLES *(continued)*

- 5.7) Web crippling allowable heights are limited by stud web crippling in the top or bottom track at factored loads.
- 5.8) Design end connections for the applied wind shear. Asterisks indicate heights where the factored end reaction exceeds the factored web crippling resistance, P_r . Reduce the allowable height to the value provided for web crippling or design end connections that are not susceptible to web crippling.
- 5.9) Refer to the Design Example for Wind Bearing Stud (*Commentary Item 10*).

6.) COMBINED WIND AND AXIAL LOAD BEARING STUD TABLES**6.1) SHEATHED AND UNSHEATHED**

- 6.1.1) The factored loads are computed in accordance with the requirements of the National Building Code of Canada 2010 and S136-07, North American Specification for the Design of Cold-Formed Steel Structural Members with S136S2-10 (Supplement 2).
- 6.1.2) Stud material, geometry and properties conform to the Stud Section Properties Table and Commentary Item 3.
- 6.1.3) Wind loads shown are factored and uniformly distributed over the surface of the wall. Axial loads are factored and are per stud.
- 6.1.4) Loads without asterisks do not exceed $L/360$ deflection under wind alone. Loads with asterisks do not exceed $L/180$ deflection under wind alone. The wind loads used to calculate these deflection limits are specified wind loads given by the factored wind load shown divided by 1.4 and multiplied by 0.75 (*1.4 is the load factor and 0.75 the SLS importance factor*). The magnification of deflection by axial load is neglected.
- Other deflections limits can be checked using the Wind Bearing Stud Allowable Height Tables.
- 6.1.5) Seismic loads are not considered
- 6.1.6) Web crippling is not checked. Design the stud end connections to transmit the applied wind shear and axial load. Refer to the Wind Bearing Stud Tables for limiting stud heights to determine where web crippling applies. Where web crippling is critical, bearing stiffeners at the top and bottom track may be required. Refer to S136-07.
- 6.1.7) Where dead, live, snow and wind loads are combined, the appropriate load combination factors must be applied before using the tables.

- 6.1.8) Refer to the Design Example for Combined Wind & Axial Load Bearing Stud (*Commentary Item 12*).

6.2) SHEATHED TABLES

- 6.2.1) The factored axial loads are limited by the interaction of axial load and major axis bending due to wind. End shear due to wind alone is also checked.
- The factored shear resistance is based on the perforated section.
 - The factored moment resistance used in the interaction equation is the lesser of the fully restrained resisting moment for local buckling (*based on the perforated section with a resistance factor of 0.9*) and the resisting moment for distortional buckling (*based on the unperforated section with a resistance factor of 0.85*). Since the sheathing is not relied on to reduce the effect of distortional buckling, k_ϕ is set to zero in the distortional buckling flexural calculations.

6.) COMBINED WIND AND AXIAL LOAD BEARING STUD TABLES (continued)

6.2) SHEATHED TABLES (continued)

6.2.1) (continued)

- The factored axial resistance used in the interaction equation is the lesser of the global/local buckling value (*based on the perforated section with a resistance factor of 0.80*) and the distortional buckling value (*based on the unperforated section with a resistance factor of 0.80*). Since the sheathing is not relied on to reduce the effect of distortional buckling, K_ϕ is set to zero in the distortional buckling axial calculations. Global axial buckling is based on major axis flexural buckling over the height of the stud.

6.2.2) Ideal sheathing providing full lateral support on both sides of the studs is assumed. The sheathing and its fasteners are assumed to have adequate durability, strength and rigidity to prevent the studs from buckling laterally and to resist the torsional component of loads not applied through the shear centre. *(Many wallboard and sheathing materials are less than ideal and provide partial support only. S136-07, Section D4, references the North American Standard for Cold-Formed Steel Framing Wall Stud Design, AISI S211-07 for a less than ideal sheathed design methodology. Alternatively, sheathing braced design in accordance with an appropriate theory, tests, or rational engineering analysis is permitted.)*

6.2.3) Axial loads are assumed to be concentrically applied to studs with respect to the X and Y axes. *(Some end connection details can introduce significant eccentricities which will reduce the stud capacities given in the tables.)*

6.2.4) Provide bridging at 4'-0" o.c. or less in order to align members and to provide the necessary structural integrity during construction and in the completed structure. Design the bridging to prevent stud rotation and translation about the minor axis. Provide periodic anchorage for the bridging as required structurally.

6.2.5) Effective lengths are calculated as follows (only major axis buckling is considered):

- $K_x = 1$
- L_x = the overall length of the stud

6.2.6) Studs are treated as compressive members in frames that are braced against joint translation. Provide the necessary bracing to adequately control the sidesway of the overall structure either due to wind, seismic loads or $P-\Delta$ (delta) effects.

6.3 UNSHEATHED TABLES

6.3.1) The factored axial loads are limited by the interaction of axial load and major axis bending due to wind. End shear due to wind alone is also checked.

- The factored shear resistance is based on the perforated section.
- The factored moment resistance used in the interaction equation is the lesser of the resisting moment for lateral torsional/local buckling (*based on the perforated section with a resistance factor of 0.9*) and the resisting moment for distortional buckling (*based on the unperforated section with a resistance factor of 0.85*). Since the sheathing is not relied on to reduce the effect of distortional buckling, k_ϕ is set to zero in the distortional buckling flexural calculations.

6.) COMBINED WIND AND AXIAL LOAD BEARING STUD TABLES *(continued)*

6.3 UNSHEATHED TABLES *(continued)*

6.3.1) *(continued)*

- The factored axial resistance used in the interaction equation is the lesser of the global/local buckling value *(based on the perforated section with a resistance factor of 0.80)* and the distortional buckling value *(based on the unperforated section with a resistance factor of 0.80)*. Since the sheathing is not relied on to reduce the effect of distortional buckling, k_ϕ is set to zero in the distortional buckling axial calculations. Global buckling is based on the lesser of major axis flexural buckling over the height of the stud, minor axis flexural buckling between lines of bridging and torsional-flexural buckling between lines of bridging.

6.3.2) The combined bending and warping torsion limit state (S136-07 Section C3.6) is checked under wind alone. The worst case with a line of bridging at midheight is considered. The torsional eccentricity due to wind is taken as the distance from the shear centre to the centreline of the web. *The provisions of S136-07 Section C3.6 are modified for the purposes of these tables. Full unreduced section properties are conservatively used to calculate bending stresses and then when combined bending and torsion at the tip of the lip governs a correction is applied to the S136-07 provisions for the reduction factor, R .*

6.3.3) Sheathing is not relied on to restrain the studs. Periodic lateral and torsional support is assumed to be provided by bridging spaced at a maximum of 48" o.c. The bridging need not be spaced equally over the height of the stud provided that the 48" spacing limit between lines of bridging and between the last line of bridging and the end of the stud is adhered to. The ends of the studs are also assumed to be laterally and torsionally restrained.

Design bridging for the accumulated torsion between bridging lines (S136-07 Section D3.2.1) in combination with the discrete bracing requirements (S136-07 Section D3.3). Provide periodic anchorage for the bridging as required structurally.

6.3.4) Axial loads are assumed to be concentrically applied to studs with respect to the X and Y axes. *(Some end connection details can introduce significant eccentricities which will reduce the stud capacities given in the tables.)*

6.3.5) Effective lengths are calculated as follows *(major axis, minor axis and torsional-flexural buckling is considered)*:

- K_x , K_y and $K_t = 1$
- L_x = the overall length of the stud
- L_y , L_t = maximum distance between lines of bridging

6.3.6) Studs are treated as compressive members in frames that are braced against joint translation. Provide the necessary bracing to adequately control the sidesway of the overall structure either due to wind, seismic loads or $P-\Delta$ (delta) effects.

7.) FLOOR JOIST LOAD TABLES

7.1) The load tables are computed in accordance with the requirements of the National Building Code of Canada 2010 and S136-07, North American Specification for the Design of Cold-Formed Steel Structural Members with S136S2-10 (Supplement 2).

7.2) Joist material, geometry & properties conform to the Joist Section Property Tables and Commentary Item 3.

7.) FLOOR JOIST LOAD TABLES (continued)

7.3) Strength loads are limited by end shear or midspan moment at the factored load shown. Strength loads are to be checked against the sum of the factored live and dead loads. The live load factor is 1.5 and the dead load factor is 1.25. Deflection loads are to be checked against specified (unfactored) design live loads.

- The factored shear resistance is based on the perforated section.
- For the $k_{\phi} = 0$ joist tables, the sheathing is not relied on to reduce the effect of distortional buckling. The factored moment resistance is the lesser of the fully restrained resisting moment for local buckling (based on the perforated section with a resistance factor of 0.9) and the resisting moment for distortional buckling, assuming $k_{\phi} = 0$ (based on the unperforated section with a resistance factor of 0.85).
- For the $k_{\phi} \geq k_{\phi_{min}}$ joist tables, the sheathing is relied on to control distortional buckling. The factored moment resistance is the lesser of the fully restrained resisting moment for local buckling (based on the perforated section with a resistance factor of 0.9) and the resisting moment for yield (based on the unperforated section unreduced for local buckling with a resistance factor of 0.85).
- The parameter $k_{\phi_{min}}$ is the threshold sheathing stiffness necessary to raise the distortional buckling moment to its yield value. Additional calculation is required to determine whether or not a particular sheathing provides adequate restraint. For many sheathing and joist combinations, it is difficult to achieve $k_{\phi} \geq k_{\phi_{min}}$ and partial restraint only is available meaning $0 \leq k_{\phi} \leq k_{\phi_{min}}$. For this case, the distortional buckling resisting moment can be calculated to determine if it governs or, conservatively, the $k_{\phi} = 0$ tables can be used.

7.4) No vibration limit state is imposed. Additional calculation is required.

7.5) Concentrated loading is not considered in the load tables. Additional calculation is required.

7.6) Joists are analyzed as single span members with adequate web stiffeners provided at the location of reactions or concentrated loads. Spans are not limited by web crippling. Design web stiffeners to accommodate concentrated loads or reactions. Refer to S136-07.

7.7) Joists are assumed to be fully restrained with respect to lateral instability and with respect to torsionally eccentric loads not applied through the shear centre. Loads are assumed to be uniformly distributed.

7.8) Allowable specified loads for other deflection limits can be calculated by multiplying the L/360 specified loads by the following factors:

Required Deflection Limit	Factor
L/480	0.750
L/360	1.000
L/300	1.200
L/240	1.500
L/180	2.000

7.9) Provide floor sheathing supplemented by bridging as required by S136-07. (S136-07 references the North American Standard for Cold-Formed Steel Framing – Floor and Roof System Design, AISI S210-07, where detailed requirements are provided.)

7.10) Refer to the Design Example for Floor Joist (Commentary Item 11).

8.) COMPUTER OUTPUT SYMBOLS

A	= out to out depth of stud (in. or mm) = out to out depth of bridging channel (in. or mm) = nominal depth of track (in. or mm)
Area	= fully effective (unreduced for local buckling) area (in. ² or mm ²)
B	= out to out width of flange (in. or mm)
C	= out to out depth of lip stiffener (in. or mm)
C _w	= warping torsional constant (in. ⁶ or mm ⁶)
F _d	= elastic distortional buckling stress (ksi or MPa)
F _y	= minimum yield strength (ksi or Mpa)
I _x	= fully effective (unreduced for local buckling) moment of inertia about the major axis (in.4 or mm4)
I _x (deflect.)	= effective moment of inertia about the major axis for checking deflections with specified (unfactored) loads (in.4 or mm4)
I _y	= fully effective (unreduced for local buckling) moment of inertia about the minor axis (in.4 or mm4)
J	= St. Venant torsional constant (in.4 or mm4)
j	= torsional-flexural buckling parameter for singly symmetric beam-columns (in. or mm)
k _φ	= rotational stiffness provided by a restraining element (kips or kN)
k _{φmin}	= threshold sheathing stiffness necessary to raise the distortional buckling moment or axial load to its yield value (kips or kN)
k _{φfe}	= elastic rotation stiffness provided by the flange to the flange/web juncture (kips or kN)
$\tilde{k}_{\phi fg}$	= geometric rotational stiffness demanded by the flange from the flange/web juncture (in.2 or mm2)
k _{φwe}	= elastic rotational stiffness provided by the web to the flange/web juncture (kips or kN)
$\tilde{k}_{\phi wg}$	= geometric rotational stiffness demanded by the web from the flange/web juncture (in.2 or mm2)
L _{cr}	= distortional buckling critical unbraced length (in. or mm)
L _u	= maximum unbraced length of flexural members which precludes lateral buckling (in. or mm)
m	= distance from centreline web to the shear centre (in. or mm)
M _{rx}	= fully braced factored moment resistance about the major axis with a resistance factor of 0.9 (in.kips or kN.m)
M _{rx,DB}	= distortional buckling factored moment resistance about the major axis with a resistance factor of 0.85 (in.kips or kN.m)

8.) COMPUTER OUTPUT SYMBOLS *(continued)*

$M_{r_{x_{Fy}}}$	= factored moment resistance at yield used in distortional buckling calculations and taken about the major axis with a resistance factor of 0.85 (in.kips or kN.m)
$M_{r_{x_{LB}}}$	= fully braced local buckling factored moment resistance about the major axis with a resistance factor of 0.9 (in.kips or kN.m)
$M_{r_{y_{LB}}}$	= fully braced local buckling factored moment resistance about the minor axis with the web in compression or with the lips in compression with a resistance factor of 0.9 (in.kips or kN.m)
P_r	= factored web crippling resistance with a resistance factor of 0.75 (kips or kN)
$P_{r_{DB}}$	= distortional buckling factored axial resistance with a resistance factor of 0.80 (kips or kN)
$P_{r_{Fy}}$	= factored axial resistance at yield used in distortional buckling calculations with a resistance factor of 0.80 (kips or kN)
r	= inside bend radius (in. or mm)
r_x	= fully effective (unreduced for local buckling) radius of gyration about the major axis (in. or mm)
r_y	= fully effective (unreduced for local buckling) radius of gyration about the minor axis (in. or mm)
S_f	= fully effective (unreduced for local buckling) section modulus (in.3)
t	= design steel thickness exclusive of coating (in. or mm)
V_r	= factored shear resistance with a resistance factor of 0.80 (kips or kN)
Weight	= weight per foot based on uncoated, unperforated steel (lbs./ft. or kg/m)
$Wn1$	= normalized unit warping parameter at the end of the lip (in.2 or mm2)
$Wn2$	= normalized unit warping parameter at the intersection of the lip and the flange (in.2 or mm2)
$Wn3$	= normalized unit warping parameter at the intersection of the flange and the web (in.2 or mm2)
x_{cg}	= distance to centroid from back of web for the fully effective section (unreduced for local buckling) (in. or mm)
x_o	= distance from shear centre to centroid (in. or mm).

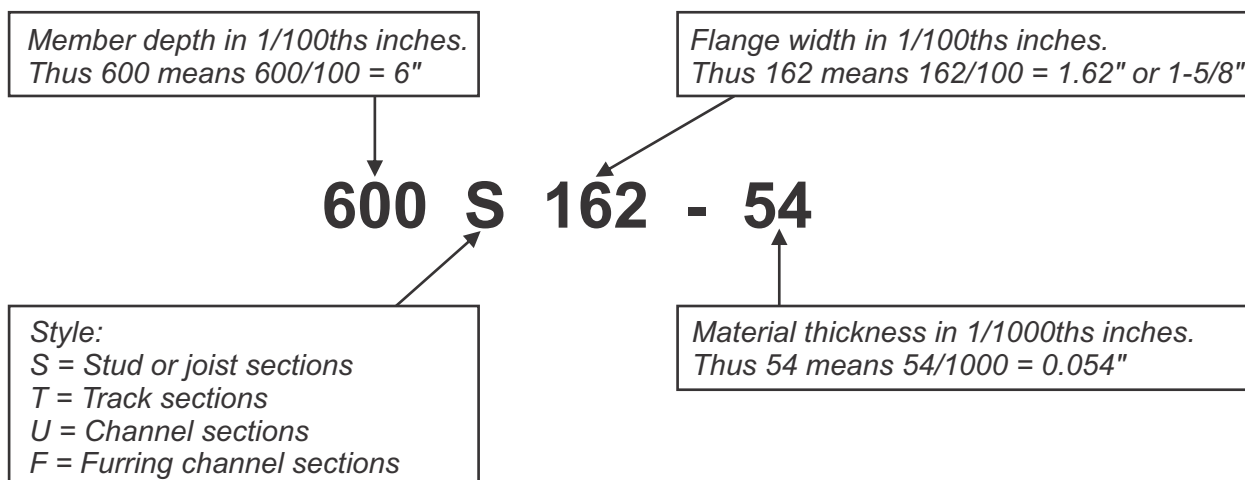
Notes:

- 1.) For metric section properties, the units shown in the section property tables may be adjusted by E+03 or E+06 which means the section property values are to be multiplied by 1,000 or 1,000,000 respectively.
- 2.) All distortional buckling properties and resistances are based on the unperforated section unreduced for local buckling.

9.) PRODUCT IDENTIFICATION

The cold-formed steel framing manufacturers use a universal designator system for their products. The designator is a four part code which identifies depth, flange width, member type and material thickness.

Example: 600S162-54



Notes:

1. Material thickness is given as the minimum thickness exclusive of coatings and represents 95% of the design thickness. See S136-07 Section A2.4.
2. For those sections available in two different yield strengths, the yield strength used in the design, if greater than 33 ksi, needs to be identified (i.e., 600S162-54 (50 ksi)). In any case, it is good practice to always show the yield strength and eliminate any potential ambiguity.
3. For track, "T", sections, member depth is a nominal inside to inside dimension plus one inside radius. Other dimensions are out to out.
4. This product designation method is also known as "STUF" nomenclature.
5. This product labelling is independent of units. For example 600S162-54 (50ksi) applies whether imperial or metric units are used.

10.) DESIGN EXAMPLE NO. 1 – WIND BEARING STUD

Given:

Specified (unfactored) design wind load for strength calculations = 30 psf ($I_w = 1$)

Specified (unfactored) design wind load for deflection calculations = 22.5 psf ($I_w = 0.75$)

Height of studs = 11'-0"

Maximum allowable deflection = $L/360$

Stud depth for architectural considerations = 6"

10.) DESIGN EXAMPLE NO. 1 – WIND BEARING STUD *(continued)***Calculations:**

Try 600S162-43 (33 ksi) spaced at 24" o.c.

From the Wind Bearing Studs Tables:

Allowable height for deflection is based on 22.5 psf specified wind load – conservatively use 25 psf.
Allowable height at $L/360 = 12.6 \text{ ft.} > 11.0 \text{ ft.}$

OK

Allowable height for strength is based on 30 psf specified wind load (42 psf factored)
Allowable height = 12.4 ft. > 11.0 ft.

OK

The asterisk on the strength allowable height indicates that an end connection not susceptible to web crippling is required or the allowable height is to be reduced below 12.4 ft.

Allowable height to eliminate web crippling is based on 30 psf specified wind load (42 psf factored)
Web Crippling Allowable height = 11.9 ft. > 11.0 ft.

OK**Conclusion:**

Use 600S162-43 (33 ksi) spaced at 24" o.c. with 2 rows of bridging.

Bridging requirements are based on the recommended 5'-0" maximum spacing from Commentary Item 5.4. In addition, sheathing meeting the requirements of Commentary Item 5.4 are required on both sides of the studs. Provide bridging and bridging connection details in accordance with industry standard practice.

11.) DESIGN EXAMPLE NO. 2 – FLOOR JOIST**Given:**

Specified (unfactored) live load = 40 psf

Specified (unfactored) dead load = 15 psf

Required joist depth for architectural considerations = 8 in.

16'-0" single span

Sheathing is not relied on to reduce distortional buckling

Calculations:

$$\begin{aligned}\text{Factored load} &= (1.25)(15) + (1.50)(40) \\ &= 78.8 \text{ psf}\end{aligned}$$

Try 800S162-54 (50 ksi) joist spaced at 16" o.c.

From the $k_{\phi} = 0$ Floor Joist Load Tables (*sheathing is not relied on to reduce the effect of distortional buckling*)

$$\begin{aligned}\text{Strength} &= 91 > 78.8 \text{ psf} \\ L/360 &= 44 > 40 \text{ psf}\end{aligned}$$

OK**OK****Conclusion:**

Use 800S162-54 (50 ksi) joist spaced at 16" o.c.

Provide web stiffeners over the supports designed in accordance with the requirements of S136-07. Provide top flange floor sheathing in combination with bottom flange bridging to meet the requirements of S136-07. See Commentary Item 6.9.

Where vibration or point loads are a concern, additional engineering is required.

11.) DESIGN EXAMPLE NO. 2 – FLOOR JOIST (continued)

Alternative Approach:

Although not required in the context of this example, the $k_{\phi} \geq k_{\phi_{min}}$ tables could be used where the sheathing is assumed to have adequate stiffness such that the distortional buckling moment is raised to its yield value.

To compare:

$k_{\phi} = 0$ tables – strength value = 91 psf

$k_{\phi} \geq k_{\phi_{min}}$ tables – strength value = 108 psf

The $k_{\phi} \geq k_{\phi_{min}}$ tables show a 19% increase in strength. To take advantage of this extra strength, sheathing must satisfy the requirement that:

$$k_{\phi} \geq k_{\phi_{min}}$$

≥ 0.653 kips from the Joist Section Property Tables

The calculation of the sheathing k_{ϕ} value is outside the scope of this design example. Refer to: CFSEI Tech Note TECHNOTE-G100-08, September 2008, Design Aids and Examples for Distortional Buckling.

In any case, it may be difficult to achieve $k_{\phi} \geq k_{\phi_{min}}$ and partial restraint only is available meaning $0 \leq k_{\phi} \leq k_{\phi_{min}}$. The resulting strength value will fall somewhere between 91 and 108 psf. Additional calculation is required.

12.) DESIGN EXAMPLE NO. 3 – COMBINED WIND AND AXIAL LOAD BEARING STUD

Given:

Specified (Unfactored) Loads:

Axial Live Load = 3.6 kips

Axial Dead Load = 1.8 kips

Wind Load = 25 psf (for strength with $l_w = 1$)
= 18.8 psf (for deflection with $l_w = 0.75$)

Height of Studs = 10'- 0"

Restraint of sheathing to be neglected. Axial loads are applied concentrically with respect to both the X and the Y axes.

Calculations:

Try 600S162-54 (50 ksi) spaced at 16" o.c.

The required factored load combinations are given in the 2010 National Building Code.

Dead Only Load Case

Factored Load Combination = 1.40D

W_f (factored wind load) = 0

C_f (factored axial load) = 1.40D
= 1.40(1.8)
= 2.52 kips

From the unsheathed tables determine the maximum factored compressive resistance for 0 psf factored wind

$C_r = 8.24 \text{ kips} > 2.52 \text{ kips}$

OK

12.) DESIGN EXAMPLE NO. 3 – COMBINED WIND AND AXIAL LOAD BEARING STUD *(continued)*

Dead + Wind + Live Load Cases

Factored Load Combination #1 = $1.25D + 1.50L + 0.4W$

W_f (factored wind load) = $0.40W$
= $0.40(25)$
= 10.0 psf

C_f (factored axial load) = $1.25D + 1.50L$
= $1.25(1.8) + 1.50(3.6)$
= 7.65 kips

From unsheathed tables, determine the maximum factored compressive resistance for 10.0 psf factored wind.

$C_r = 7.69 \text{ kips} > 7.65 \text{ kips}$ **OK**

Factored Load Combination #2 = $1.25D + 1.40W + 0.5L$

W_f (factored wind load) = $1.40W$
= $1.40(25)$
= 35.0 psf

C_f (factored axial load) = $1.25D + 0.50L$
= $1.25(1.8) + 0.50(3.6)$
= 4.05 kips

From the unsheathed tables, determine the maximum factored compressive resistance for 35.0 psf factored wind by interpolation

$C_r = 6.62 \text{ kips (at 30 psf)}$

$C_r = 6.10 \text{ kips (at 40 psf)}$

$C_r = 6.36 \text{ kips (at 35 psf by interpolation)} > 4.05 \text{ kips}$ **OK**

Wind Load Case for Web Crippling Check

From the Wind Bearing Stud Allowable Height Tables, for 25 psf specified (35.0 psf factored) wind load

Web crippling allowable height = $48.6 > 10.0 \text{ ft.}$ **OK**

Wind Load Case for Deflection Check

From the Wind Bearing Stud Allowable Height Tables, for 18.8 psf specified (unfactored) wind load – conservatively use 20 psf

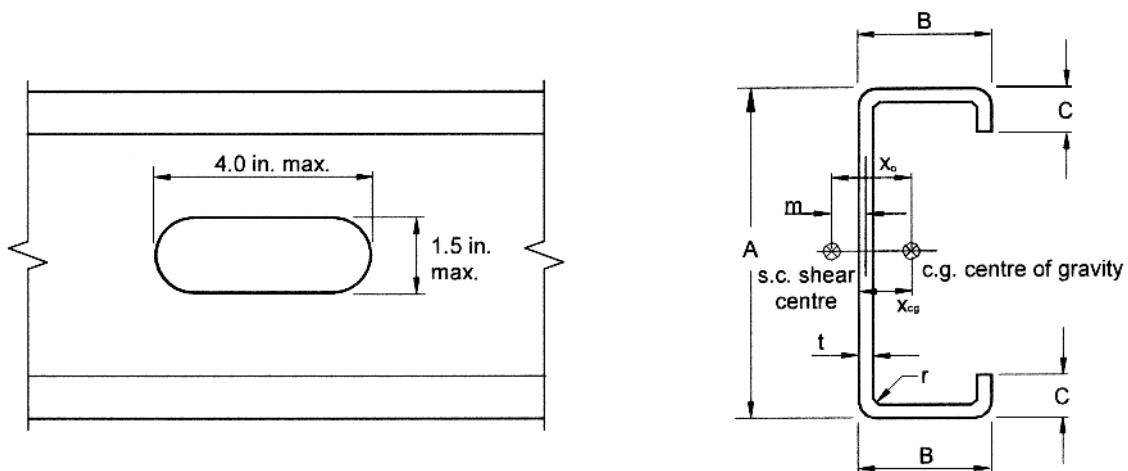
L/360 allowable height = $16.7 > 10.0 \text{ ft.}$ **OK**

Conclusion:

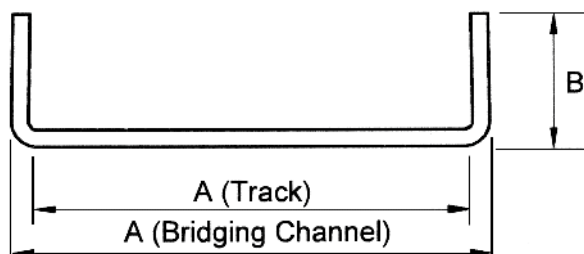
Use 600S162-54 (50 ksi) spaced at 16" o.c. with 2 lines of bridging arranged so that the maximum spacing does not exceed 48" o.c. See Commentary Item 7.3.3.

Detail end connections to insure concentric axial loading with respect to the X and the Y axes and to transmit the end shear. Design bridging and its anchorage in accordance with the requirements of S136-07.

STUD & JOIST SECTION DIMENSIONS



TRACK & BRIDGING CHANNEL SECTION DIMENSIONS



Stud Designation	DIMENSIONS				UNPERFORATED PROPERTIES																			
	Thickness t (in.)	Depth A (in.)	Flange B (in.)	Lip C (in.)	Weight (lbs./ft.)	Yield F _y (ksi)	Area (in. ²)	c _{cg} (in.)	m (in.)	x _c (in.)	C _u (in. ³)	J (in. ⁴)	j (in.)	r _x (in.)	r _y (in.)	M _{xx, LB} (in.kips)	L _u (in.)	M _{yy, LB web.comp} (in.kips)	M _{yy, LB lips.comp} (in.kips)	Shear V _r (kips)	Web Cripp. P _r (kips)	I _x (in. ⁴)	I _y (in. ⁴)	
362S125-33	0.0346	3.625	1.250	0.188	0.73	33	0.215	0.306	0.480	0.769	0.094	0.000086	2.11	1.40	0.413	6.17	28.5	1.12	1.15	1.31	0.318	0.421	0.0367	0.232
362S125-43	0.0451	3.625	1.250	0.188	0.95	33	0.278	0.307	0.473	0.758	0.118	0.000188	2.11	1.39	0.418	8.61	28.4	1.45	1.46	2.22	0.531	0.540	0.0463	0.298
362S125-54	0.0566	3.625	1.250	0.188	1.17	50	0.344	0.306	0.466	0.744	0.142	0.000367	2.15	1.39	0.401	15.60	22.8	2.62	2.63	4.31	1.200	0.661	0.0552	0.365
362S162-33	0.0346	3.625	1.625	0.500	0.89	33	0.262	0.537	0.789	1.310	0.297	0.000105	2.12	1.45	0.616	8.66	42.6	2.55	2.71	1.31	0.318	0.551	0.0993	0.304
362S162-43	0.0451	3.625	1.625	0.500	1.16	33	0.340	0.537	0.782	1.300	0.376	0.000230	2.11	1.45	0.611	11.60	42.5	3.37	3.46	2.22	0.531	0.710	0.1270	0.392
362S162-54	0.0566	3.625	1.625	0.500	1.44	50	0.422	0.536	0.774	1.280	0.457	0.000451	2.11	1.44	0.605	21.00	34.3	6.22	6.38	4.31	1.200	0.873	0.1540	0.482
362S162-68	0.0713	3.625	1.625	0.500	1.78	50	0.524	0.535	0.765	1.260	0.552	0.000887	2.12	1.43	0.596	26.50	34.3	7.66	7.68	5.59	1.780	1.070	0.1860	0.590
362S162-97	0.1017	3.625	1.625	0.500	2.46	50	0.724	0.532	0.745	1.230	0.723	0.002500	2.14	1.41	0.578	35.60	34.5	9.95	9.95	7.61	2.400	1.440	0.2420	0.792
362S200-33	0.0346	3.625	2.000	0.625	1.01	33	0.297	0.728	1.030	1.740	0.577	0.000118	2.36	1.48	0.772	9.52	53.5	3.84	3.96	1.31	0.318	0.648	0.1770	0.358
362S200-43	0.0451	3.625	2.000	0.625	1.31	33	0.385	0.728	1.020	1.730	0.734	0.000261	2.35	1.47	0.768	13.30	53.5	5.10	5.29	2.22	0.531	0.836	0.2270	0.461
362S200-54	0.0566	3.625	2.000	0.625	1.63	50	0.479	0.727	1.020	1.710	0.896	0.000511	2.35	1.47	0.761	23.30	43.3	9.47	9.80	4.31	1.200	1.030	0.2770	0.568
362S200-68	0.0713	3.625	2.000	0.625	2.02	50	0.595	0.726	1.010	1.700	1.090	0.001010	2.35	1.46	0.753	30.80	43.3	11.80	11.90	5.59	1.780	1.270	0.3770	0.698
362S200-97	0.1017	3.625	2.000	0.625	2.81	50	0.826	0.722	0.986	1.660	1.440	0.002850	2.34	1.44	0.735	42.50	43.6	15.70	15.70	7.61	2.400	1.710	0.4460	0.945
362S250-43	0.0451	3.625	2.500	0.625	1.46	33	0.430	0.944	1.280	2.200	1.230	0.000292	2.75	1.51	0.946	14.10	64.1	7.03	7.35	2.22	0.531	0.980	0.3850	0.541
362S250-54	0.0566	3.625	2.500	0.625	1.82	50	0.535	0.943	1.270	2.180	1.510	0												

Stud Designation	DIMENSIONS				UNPERFORATED PROPERTIES																				
	Thickness t (mm)	Depth A (mm)	Flange B (mm)	Lip C (mm)	Weight (kg/m)	Yield F _y (MPa)	Area (E+03mm ²)	x _u (mm)	m (mm)	x _s (mm)	C _s (E+06mm ³)	J (mm ⁴)	j (mm)	r _s (mm)	r _f (mm)	M _{r, LB} (kN.m)	L _u (mm)	M _{ry, LB web.comp} (kN.m)	M _{ry, LB lips.comp} (kN.m)	Shear V _n (kN)	Web Cripp. P _n (kN)	I _x (E+06mm ⁴)	I _y (E+06mm ⁴)	S _x (E+03mm ³)	
362S125-33	0.879	92.075	31.750	4.76	1.09	230	0.138	7.78	12.2	19.5	25.2	35.6	53.7	35.6	10.5	0.697	724	0.126	0.130	5.82	1.41	0.175	0.0153	3.80	
362S125-43	1.146	92.075	31.750	4.76	1.41	230	0.179	7.80	12.0	19.3	31.6	78.4	53.7	35.4	10.4	0.972	721	0.164	0.165	9.89	2.36	0.225	0.0193	4.89	
362S125-54	1.438	92.075	31.750	4.76	1.74	345	0.222	7.77	11.8	18.9	38.1	153.0	54.5	35.2	10.2	1.760	580	0.296	0.298	19.20	5.33	0.275	0.0230	5.98	
362S162-33	0.879	92.075	41.275	12.70	1.33	230	0.169	13.60	20.0	33.2	79.7	43.5	53.7	36.8	15.6	0.979	1080	0.288	0.306	5.82	1.41	0.229	0.0413	4.98	
362S162-43	1.146	92.075	41.275	12.70	1.72	230	0.219	13.60	19.9	32.9	101.0	95.9	53.5	36.7	15.5	1.310	1080	0.380	0.391	9.89	2.36	0.295	0.0528	6.42	
362S162-54	1.438	92.075	41.275	12.70	2.14	345	0.272	13.60	19.7	32.6	123.0	188.0	53.6	36.5	15.4	2.380	872	0.703	0.720	19.20	5.33	0.363	0.0642	7.89	
362S162-68	1.811	92.075	41.275	12.70	2.65	345	0.338	13.60	19.4	32.1	148.0	369.0	53.7	36.3	15.1	3.000	872	0.866	0.868	24.90	7.91	0.445	0.0774	9.66	
362S162-97	2.583	92.075	41.275	12.70	3.67	345	0.467	13.50	18.9	31.1	194.0	1040.0	54.2	35.8	14.7	4.030	876	1.120	1.120	33.80	10.70	0.597	0.1010	13.00	
362S200-33	0.879	92.075	50.800	15.90	1.50	230	0.191	18.50	26.2	44.2	155.0	49.3	60.1	37.5	19.6	1.080	1360	0.448	0.448	5.82	1.41	0.270	0.0736	5.86	
362S200-43	1.146	92.075	50.800	15.90	1.95	230	0.248	18.50	26.0	43.9	197.0	109.0	59.8	37.4	19.5	1.500	1360	0.598	0.598	9.89	2.36	0.348	0.0944	7.56	
362S200-54	1.438	92.075	50.800	15.90	2.42	345	0.309	18.50	25.8	43.6	240.0	213.0	59.7	37.3	19.3	2.630	1100	1.110	1.110	19.20	5.33	0.429	0.1150	9.31	
362S200-68	1.811	92.075	50.800	15.90	3.01	345	0.384	18.40	25.6	43.1	292.0	420.0	59.6	37.0	19.1	3.480	1100	1.350	1.350	24.90	7.91	0.527	0.1400	11.40	
362S200-97	2.583	92.075	50.800	15.90	4.18	345	0.533	18.30	25.1	42.1	387.0	1180.0	59.5	36.6	18.7	4.800	1110	1.780	1.780	33.80	10.70	0.713	0.1860	15.50	
362S250-43	1.146	92.075	63.500	15.90	2.18	230	0.277	24.00	32.4	55.8	330.0	121.0	69.8	38.4	24.0	1.590	1630	0.830	0.830	9.89	2.36	0.408	0.1600	8.86	
362S250-54	1.438	92.075	63.500	15.90	2.71	345	0.345	24.00	32.2	55.5	404.0	238.0	69.6	38.2	23.9	2.780	1320	1.							

PERFORATED PROPERTIES					BEAM DISTORTIONAL BUCKLING PROPERTIES										COLUMN DISTORTIONAL BUCKLING PROPERTIES									
M _{rx, LB}	M _{ry, LB}	M _{z, LB}	Shear	I _y	M _{rx, Fy}	M _{rx, DB}	L _{cr}	K _{sl}	K _{slg}	K _{sw}	K _{swg}	K _{swm}	F _d	P _{r, Fy}	P _{r, DB}	L _{cr}	K _{sl}	K _{slg}	K _{sw}	K _{swg}	K _{swm}	F _d		
(kN.m)	web.comp	lips.comp	V _r	(E+06 mm ⁴)	(kN.m)	(kN.m)	(mm)	(kN)	(mm ²)	(kN)	(mm ²)	(kN)	(MPa)	(kN)	(kN)	(mm)	(kN)	(mm ²)	(kN)	(mm ²)	(kN)	(MPa)		
0.610	0.117	0.122	2.97	0.172	0.736	0.588	172.0	0.613	4.100	0.538	0.618	1.220	244.0	25.20	13.70	190.0	0.444	3.360	0.274	3.120	3.970	111.0		
0.902	0.152	0.154	3.84	0.223	0.945	0.855	150.0	1.490	6.810	1.280	1.040	1.170	353.0	32.60	20.80	165.0	1.100	5.620	0.607	5.380	6.250	155.0		
1.630	0.275	0.277	5.78	0.273	1.750	1.550	134.0	3.210	10.300	2.740	1.600	3.150	498.0	61.20	37.10	147.0	2.410	8.580	1.200	8.530	15.100	211.0		
0.898	0.268	0.286	2.97	0.229	0.964	0.870	398.0	0.469	2.450	0.434	0.125	0.388	351.0	30.80	23.20	441.0	0.321	2.000	0.274	0.581	1.270	231.0		
1.250	0.354	0.365	3.84	0.295	1.240	1.220	345.0	1.080	4.140	0.979	0.214	0.131	472.0	39.90	33.50	382.0	0.745	3.380	0.607	1.010	1.820	308.0		
2.250	0.654	0.671	5.78	0.363	2.310	2.180	305.0	2.220	6.500	1.970	0.342	1.010	613.0	75.10	59.40	338.0	1.550	5.310	1.200	1.620	4.840	396.0		
2.920	0.805	0.806	5.71	0.445	2.830	2.830	268.0	4.680	10.200	4.050	0.552	0.000	808.0	93.20	80.90	297.0	3.280	8.370	2.400	2.640	6.370	516.0		
3.950	1.040	1.040	4.98	0.597	3.800	3.800	219.0	15.000	20.400	12.400	1.160	0.000	1270.0	129.00	125.00	243.0	10.700	16.700	6.960	5.630	6.780	792.0		
0.987	0.405	0.416	2.97	0.265	1.130	0.991	525.0	0.452	2.690	0.424	0.072	0.509	318.0	34.80	26.30	581.0	0.308	2.190	0.274	0.334	1.250	230.0		
1.430	0.535	0.556	3.84	0.348	1.460	1.400	456.0	1.030	4.560	0.949	0.124	0.371	423.0	45.20	37.80	505.0	0.705	3.720	0.607	0.577	1.790	305.0		
2.490	0.995	1.030	5.78	0.429	2.730	2.480	404.0	2.100	7.160	1.900	0.198	1.600	544.0	85.10	67.10	447.0	1.450	5.840	1.200	0.925	4.770	391.0		
3.390	1.240	1.250	5.71	0.527	3.350	3.290	356.0	4.370	11.300	3.850	0.320	0.633	707.0	106.00	91.30	394.0	3.030	9.230	2.400	1.500	6.330	505.0		
4.720	1.640	1.640	4.98	0.713	4.540	4.540	292.0	13.700	22.700	11.500	0.671	0.000	1080.0	147.00	141.00	323.0	9.630	18.600	6.960	3.180	7.230	763.0		
1.510	0.738	0.768	3.84	0.405	1.710	1.500	520.0	1.020	6.070	0.940	0.096	1.140	318.0	50.50	38.80	576.0	0.697	4.960	0.607	0.444	2.600	242.0		
2.610	1.380	1.430	5.78	0.483	3.210	2.650	461.0	2.080	9.550	1.870	0.153	3.430	407.0	95.20	68.30	510.0	1.430	7.800	1.200	0.710	6.700	309.0		
3.500	1.720	1.740	5.71	0.614	3.950	3.550	407.0	4.300	15.100	3.790	0.246	3.600	527.0	119.0	94.00	450.0	2.980	12.300	2.400	1.150	9.410	398.0		
5.370	2.310	2.310	4.98	0.844	5.370	5.370	334.0	13.400	30.500	11.300	0.515	0.000	796.0	165.00	150.00	370.0	9.400	24.900	6.960	2.420	13.600	598.0		
0.681	0.118	0.125	3.38	0.217	0.841	0.657	177.0	0.563	3.890	0.506	0.780	1.280	229.0	26.70	13.20	195.0	0.410	3.200	0.248	3.990	4.540	91.5		
1.010	0.154	0.158	4.60	0.281	1.080	0.960	154.0	1.370	6.460	1.220	1.310	1.310	333.0	34.60	20.20	169.0	1.020	5.350	0.550	6.890	7.270	128.0		
1.830	0.278	0.284	6.96	0.345	2.010	1.740	138.0	2.950	9.800	2.620	2.010	3.420	472.0	65.00	36.00	151.0	2.240	8.170	1.090	10.900	17.600	174.0		
1.000	0.270	0.293	3.38	0.288	1.100	0.972	408.0	0.427	2.330	0.397	0.159	0.425	332.0	32.30	23.20	452.0	0.293	1.900	0.248	0.743	1.370	205.0		
1.400	0.356	0.374	4.60	0.371	1.410	1.370	354.0	0.985	3.940	0.897	0.273	0.236	446.0	41.90	33.70	392.0	0.682	3.220	0.550	1.290	2.030	273.0		
2.530	0.659	0.687	6.96	0.457	2.640	2.440	313.0	2.030	6.180	1.810	0.435	1.190	581.0	78.80	59.60	346.0	1.420	5.050	1.090	2.070	5.300	352.0		
3.300	0.815	0.826	7.72	0.560	3.230	3.230	275.0	4.280	9.740	3.730	0.701	0.000	768.0	97.90	81.70	304.0	3.020	7.960	2.170	3.370	7.230	458.0		
4.540	1.070	1.070	6.87	0.755	4.350	4.350	225.0	13.800	19.400	11.500	1.460	0.000	1210.0	136.00	128.00	249.0	9.890	15.900	6.310	7.200	9.110	701.0		
1.100	0.406	0.426	3.38	0.332	1.290	1.110	538.0	0.412	2.560	0.386	0.092	0.533	301.0	36.40	26.40	595.0	0.281	2.090	0.248	0.428	1.290	210.0		
1.600	0.539	0.569	4.60	0.436	1.660	1.560	467.0	0.940	4.340	0.866	0.159	0.453	402.0	47.20	38.30	517.0	0.644	3.540	0.550	0.739	1.900	279.0		
2.790	1.000	1.050	6.96	0.538	3.100	2.780	414.0	1.920	6.810	1.730	0.253	1.730	517.0	88.90	67.60	458.0	1.320	5.560	1.090	1.180	4.980	357.0		
3.820	1.250	1.280	7.72	0.662	3.820	3.690	365.0	3.990	10.800	3.530	0.407	0.984	673.0	111.00	92.60	403.0	2.770	8.790	2.170	1.920	6.790	462.0		
5.410	1.680	1.680	6.87	0.897	5.180	5.180	299.0	12.600	21.600	10.600	0.853	0.000	1030.0	154.00	145.00	331.0	8.850	17.700	6.310	4.070	8.660	697.0		
1.690	0.743	0.787	4.60	0.506	1.940	1.670	533.0	0.930	5.780	0.857	0.122	1.180	303.0	52.50	39.10	590.0	0.636	4.720	0.550	0.567	2.640	224.0		
2.930	1.390	1.460	6.96	0.603	3.630	2.950	472.0	1.890	9.090	1.710	0.195	3.460	388.0	99.00	68.80	523.0	1.300	7.430	1.090	0.908	6.740	287.0		
3.940	1.740	1.780	7.72	0.767	4.480	3.970	417.0	3.930	14.400	3.460	0.314	3.800	503.0	123.00	95.10	461.0	2.720	11.800	2.170	1.470	9.590	370.0		
6.110	2.370	2.370	6.87	1.060	6.100	6.100	343.0	12.300	29.000	10.300	0.655	0.000	762.0	172.00	153.00	379.0	8.630	23.700	6.310	3.100	14.400	557.0		
1.240	0.120	0.133	3.63	0.560	1.490	1.010	197.0	0.394	3.120	0.415	2.000	1.770	158.0	34.80	10.30	216.0	0.297	2.610	0.166	11.000	9.370	34.0		
1.860	0.157	0.169	7.05	0.747	1.920	1.520	173.0	0.954	5.120	1.040	3.320	2.250	236.0	45.20	16.00	187.0	0.749	4.360	0.367	19.000	15.800	47.8		
3.420	0.285	0.304	11.10	0.922	3.580	2.780	156.0	2.030	7.640	2.310	5.070	5.340	341.0	85.10	28.40	167.0	1.670	6.670	0.725	30.100	37.800	65.1		
1.940	0.273	0.313	3.63	0.746	1.890	1.520	452.0	0.293	1.900	0.278	0.429	0.599	245.0	40.40	21.10	500.0	0.202	1.550	0.166	2.050	2.240	102.0		
2.590	0.362	0.401	7.05	0.964	2.450	2.170	392.0	0.680	3.220	0.638	0.734	0.666	334.0	52.50	31.50	433.0	0.474	2.630	0.367	3.550	3.630	136.0		
4.710	0.671	0.738	11.10	1.190	4.580	3.880	346.0	1.410	5.040	1.310	1.160	2.000	439.0	99.00	54.90	383.0	0.994	4.120	0.725	5.710	9.050	175.0		
5.970	0.837	0.889	16.40	1.470	5.640	5.250	305.0	3.000	7.930	2.760	1.860	1.700	587.0	123.0	77.30	337.0	2.140	6.500	1.450	9.300	13.700	227.0		
8.130	1.130	1.150	21.70	2.000	7.680	7.680	250.0	9.740	15.800	8.870	3.830	0.000	950.0	172.0	129.00	275.0	7.130	13.000	4.210	19.900	24.600	345.0		
2.080	0.411	0.459	3.63	0.850	2.190	1.730	595.0	0.280	2.090	0.265	0.251	0.629	233.0	44.50	25.50	659.0	0.192	1.710	0.166	1.180	1.730	124.0		
2.930	0.547	0.613	7.05	1.120	2.830	2.470	517.0	0.643	3.540	0.600	0.431	0.751	313.0	57.80	37.80	572.0	0.443	2.890	0.367	2.040	2.750	164.0		
5.160	1.020	1.140	11.10	1.380	5.310	4.390	458.0	1.320	5.560	1.210	0.684	2.220	406.0	109.00	66.00	507.0	0.917	4.540	0.725	3.260	6.910	210.0		
6.800	1.280	1.380	16.40	1.710	6.560	5.930	404.0	2.770	8.780	2.500	1.100	2.250	533.0	136.00	92.30	447.0	1.940	7.180	1.450	5.290	10.300	272.0		
9.510	1.780	1.830	21.70	2.340	8.980	8.980	331.0	8.800	17.600	7.740	2.270	0.000	831.0	190.00	152.00	366.0	6.280	14.400	4.210	11.200	17.600	409.0		
3.080	0.754	0.854	7.05	1.270	3.260	2.600	590.0	0.636	4.720	0.589	0.333	1.310	242.0	63.10	39.40	653.0	0.437	3.850	0.367	1.560	3.110	148.0		
5.430	1.410	1.590	11.10	1.520	6.110	4.600	523.0	1.300	7.420	1.180	0.530	3.570	313.0	119.00	68.70	578.0	0							

Joist Section Properties Table

Joist Designation	DIMENSIONS				UNPERFORATED PROPERTIES																										
	Thickness t (in.)	Depth A (in.)	Flange B (in.)	Lip C (in.)	Weight (lbs./ft.)	Yield F _y (ksi)	Area (in. ²)	x _{cg} (in.)	m (in.)	x _c (in.)	C _e (in. ³)	J (in. ⁴)	j (in.)	r _x (in.)	r _y (in.)	M _{rx, LB} (in.kips)	L _v (in.)	M _{rx, LB} web.comp (in.kips)	M _{rx, LB} lips.comp (in.kips)	Shear V _r (kips)	Web Cripp. P _r (kips)	I _x (in. ⁴)	I _y (in. ⁴)	S _x (in. ³)							
600S162-43	0.0451	6.000	1.625	0.500	1.52	33	0.447	0.414	0.670	1.060	1.10	0.000303	3.35	2.28	0.576	22.90	40.9	3.42	3.64	1.81	0.524	2.32	0.148	0.772							
600S162-54	0.0566	6.000	1.625	0.500	1.89	50	0.556	0.414	0.663	1.050	1.34	0.000594	3.38	2.27	0.570	41.70	33.0	6.33	6.71	3.61	1.190	2.86	0.181	0.953							
600S162-68	0.0713	6.000	1.625	0.500	2.36	50	0.693	0.413	0.655	1.030	1.63	0.001170	3.43	2.26	0.561	52.90	32.8	7.85	8.09	6.84	1.790	3.52	0.218	1.170							
600S162-97	0.1017	6.000	1.625	0.500	3.29	50	0.966	0.411	0.636	0.997	2.15	0.003330	3.56	2.23	0.542	72.00	32.5	10.50	10.50	13.40	3.350	4.80	0.284	1.600							
600S200-43	0.0451	6.000	2.000	0.625	1.67	33	0.492	0.574	0.894	1.450	2.03	0.000334	3.25	2.34	0.739	25.90	51.4	5.18	5.59	1.81	0.524	2.68	0.268	0.894							
600S200-54	0.0566	6.000	2.000	0.625	2.09	50	0.613	0.574	0.887	1.430	2.49	0.000655	3.26	2.33	0.732	45.70	41.5	9.64	10.40	3.61	1.190	3.32	0.329	1.110							
600S200-68	0.0713	6.000	2.000	0.625	2.60	50	0.764	0.573	0.878	1.410	3.05	0.001300	3.28	2.32	0.724	60.10	41.4	12.10	12.60	6.84	1.790	4.10	0.400	1.370							
600S200-97	0.1017	6.000	2.000	0.625	3.63	50	1.070	0.570	0.859	1.380	4.08	0.003680	3.34	2.29	0.705	84.20	41.2	16.60	16.70	13.40	3.350	5.61	0.531	1.870							
800S162-43	0.0451	8.000	1.625	0.500	1.83	33	0.537	0.348	0.601	0.926	2.08	0.000364	5.04	2.94	0.546	30.30	39.8	3.44	3.72	1.34	0.500	4.63	0.160	1.160							
800S162-54	0.0566	8.000	1.625	0.500	2.28	50	0.670	0.348	0.594	0.914	2.54	0.000715	5.11	2.93	0.539	55.30	32.1	6.37	6.86	2.67	1.150	5.74	0.195	1.430							
800S162-68	0.0713	8.000	1.625	0.500	2.84	50	0.836	0.349	0.586	0.899	3.09	0.001420	5.22	2.91	0.530	74.80	31.9	7.92	8.28	5.39	1.730	7.09	0.235	1.770							
800S162-97	0.1017	8.000	1.625	0.500	3.98	50	1.170	0.349	0.568	0.866	4.11	0.004030	5.47	2.88	0.511	109.00	31.4	10.60	10.80	13.90	3.250	9.71	0.306	2.430							
800S200-43	0.0451	8.000	2.000	0.625	1.98	33	0.582	0.489	0.811	1.280	3.80	0.000395	4.52	3.02	0.708	38.40	50.3	5.21	5.73	1.34	0.500	5.30	0.292	1.330							
800S200-54	0.0566	8.000	2.000	0.625	2.47	50	0.726	0.489	0.804	1.260	4.66	0.000775	4.56	3.01	0.701	67.40	40.6	9.69	10.60	2.67	1.150	6.57	0.357	1.640							
800S200-68	0.0713	8.000	2.000	0.625	3.09	50	0.907	0.488	0.796	1.250	5.71	0.001540	4.62	3.00	0.692	89.60	40.4	12.20	12.90	5.39	1.730	8.14	0.435	2.040							
800S200-97	0.1017	8.000	2.000	0.625	4.32	50	1.270	0.487	0.777	1.210	7.68	0.004380	4.76	2.97	0.674	126.00	40.0	16.80	17.20	13.90	3.250	11.20	0.577	2.800							
800S250-43	0.0451	8.000	2.500	0.625	2.13	33	0.627	0.654	1.040	1.670	6.37	0.000425	4.39	3.10	0.893	39.00	61.5	7.19	8.04	1.34	0.500	6.02	0.500	1.500							
800S250-54	0.0566	8.000	2.500	0.625	2.66	50	0.783	0.654	1.040	1.660	7.85	0.000836	4.42	3.09	0.886	68.60	49.7	13.40	15.00	2.67	1.150	7.47	0.614	1.870							
800S250-68	0.0713	8.000	2.500	0.625	3.33	50	0.978	0.653	1.030	1.640	9.65	0.001660	4.45	3.08	0.877	92.60	49.5	17.00	18.30	5.39	1.730	9.26	0.752	2.320							
800S250-97	0.1017	8.000	2.500	0.625	4.67	50	1.370	0.650	1.010	1.610	13.10	0.004730	4.54	3.05	0.858	138.00	49.2	23.90	24.60	13.90	3.250	12.80	1.010	3.200							
800S300-54	0.0566	8.000	3.000	0.625	2.86	50	0.839	0.830	1.270	2.070	12.10	0.000896	4.47	3.16	1.070	69.00	58.5	17.60	19.90	2.67	1.150	8.36	0.960	2.909							
800S300-68	0.0713	8.000	3.000	0.625	3.57	50	1.050	0.829	1.260	2.050	14.90	0.001780	4.49	3.15	1.060	96.50	58.3	22.50	24.40	5.39	1.730	10.40	1.180	2.600							
800S300-97	0.1017	8.000	3.000	0.625	5.02	50	1.470	0.825	1.240	2.020	20.30	0.005080	4.54	3.12	1.040	149.00	58.0	31.90	33.00	13.90	3.250	14.40	1.600	3.590							
1000S162-54	0.0566	10.000	1.625	0.500	2.66	50	0.783	0.302	0.538	0.812	4.20	0.000836	7.42	3.57	0.511	70.70	31.3	6.39	6.96	2.12	1.100	9.95	0.205	1.990							
1000S162-68	0.0713	10.000	1.625	0.500	3.33	50	0.978	0.303	0.531	0.798	5.12	0.001660	7.61	3.55	0.502	96.90	31.0	7.95	8.40	4.27	1.670	12.30	0.247	2.470							
1000S162-97	0.1017	10.000	1.625	0.500	4.67	50	1.370	0.305	0.514	0.768	6.83	0.004730	8.03	3.52	0.484	147.00	30.4	10.70	10.90	12.60	3.170	17.00	0.321	3.390							
1000S200-54	0.0566	10.000	2.000	0.625	2.86	50	0.839	0.427	0.737	1.140	7.67	0.000896	6.33	3.67	0.671	79.70	39.8	9.73	10.80	2.12	1.100	11.30	0.378	2.260							
1000S200-68	0.0713	10.000	2.000	0.625	3.57	50	1.050	0.427	0.729	1.120	9.40	0.001780	6.44	3.65	0.662	109.00	39.5	12.30	13.20	4.27	1.670	14.00	0.460	2.800							
1000S200-97	0.1017	10.000	2.000	0.625	5.02	50	1.470	0.427	0.711	1.090	12.70	0.005080	6.68	3.62	0.644	168.00	39.0	16.90	17.50	12.60	3.170	19.30	0.611	3.870							
1000S250-54	0.0566	10.000	2.500	0.625	3.05	50	0.896	0.575	0.958	1.500	12.90	0.000957	5.81	3.76	0.854	84.50	49.0	13.50	15.30	2.12	1.100	12.70	0.653	2.540							
1000S250-68	0.0713	10.000	2.500	0.625	3.81	50	1.120	0.574	0.950	1.490	15.90	0.001900	5.88	3.75	0.845	124.00	48.8	17.10	18.70	4.27	1.670	15.80	0.800	3.150							
1000S250-97	0.1017	10.000	2.500	0.625	5.36	50	1.580	0.573	0.932	1.450	21.60	0.005430	6.03	3.72	0.825	189.00	48.3	24.10	25.10	12.60	3.170	21.80	1.070	4.370							
1000S300-54	0.0566	10.000	3.000	0.625	3.24	50	0.953	0.735	1.190	1.890	19.90	0.001020	5.60	3.84	1.040	85.50	58.0	17.70	20.30	2.12	1.100	14.10	1.020	2.820							
1000S300-68	0.0713	10.000	3.000	0.625	4.06	50	1.190	0.734	1.180	1.870	24.60	0.002020	5.64	3.83	1.030	126.00	57.8	22.60	25.00	4.27	1.670	17.50	1.260	3.500							
1000S300-97	0.1017	10.000	3.000	0.625	5.71	50	1.680	0.731	1.160	1.840	33.60	0.005780	5.75	3.81	1.010	202.00	57.3	32.20	33.80	12.60	3.170	24.30	1.700	4.860							
1200S162-68	0.0713	12.000	1.625	0.500	3.81	50	1.120	0.269	0.485	0.719	7.74	0.001900	10.60	4.17	0.478	119.00	30.1	7.98	8.49	3.54	1.620	19.50	0.256	3.250							
1200S162-97	0.1017	12.000	1.625	0.500	5.36	50	1.580	0.272	0.470	0.691	10.30	0.005430	11.20	4.14	0.460	184.00	29.5	10.80	11.10	10.40	3.090	27.00	0.333	4.490							
1200S200-68	0.0713	12.000	2.000	0.625	4.06	50	1.190	0.380	0.673	1.020	14.20	0.002020	8.74	4.29	0.634	133.00	38.7	12.30	13.30	3.54	1.620	21.90	0.479	3.660							
1200S200-97	0.1017	12.000	2.000	0.625	5.71	50	1.680	0.381	0.656	0.987	19.10	0.005780	9.10	4.26	0.616	210.00	38.1	17.00	17.70	10.40	3.090	30.40	0.636	5.070							
1200S250-68	0.0713	12.000	2.500	0.625	4.30	50	1.260	0.513	0.884	1.360	24.00	0.002140	7.69	4.40	0.814	135.00	48.0	17.20	18.90	3.54	1.620	24.50	0.836	4.080							

Joist Section Properties Table

Joist Designation	DIMENSIONS				UNPERFORATED PROPERTIES																				
	Thickness t (mm)	Depth A (mm)	Flange B (mm)	Lip C (mm)	Weight (kg/m)	Yield F _y (MPa)	Area (E+03mm ²)	x _{cg} (mm)	m (mm)	x _e (mm)	C _e (E+06mm ⁴)	J (mm ⁴)	j (mm)	r _x (mm)	r _y (mm)	M _{xx, LB} (kN.m)	L _x (mm)	M _{yy, LB} web.comp (kN.m)	M _{yy, LB} lips.comp (kN.m)	Shear V _x (kN)	Web Cripp. P _x (kN)	I _x (E+06mm ⁴)	I _y (E+06mm ⁴)	S _x (E+03mm ³)	
600S162-43	1.146	152.400	41.275	12.7	2.26	230	0.288	10.50	17.0	27.0	294.0	126.0	85.0	57.8	14.6	2.590	1040	0.387	0.411	8.04	2.33	0.964	0.0618	12.60	
600S162-54	1.438	152.400	41.275	12.7	2.82	345	0.359	10.50	16.9	26.6	359.0	247.0	85.8	57.6	14.5	4.710	838	0.715	0.758	16.00	5.31	1.190	0.0752	15.60	
600S162-68	1.811	152.400	41.275	12.7	3.51	345	0.447	10.50	16.6	26.2	437.0	489.0	87.2	57.3	14.2	5.970	833	0.887	0.914	30.40	7.98	1.470	0.0907	19.30	
600S162-97	2.583	152.400	41.275	12.7	4.89	345	0.623	10.40	16.2	25.3	578.0	1390.0	90.3	56.6	13.8	8.130	825	1.190	1.190	59.60	14.90	2.000	0.1180	26.20	
600S200-43	1.146	152.400	50.800	15.9	2.49	230	0.317	14.60	22.7	36.7	546.0	139.0	82.4	59.3	18.8	2.930	1310	0.585	0.632	8.04	2.33	1.120	0.1120	14.70	
600S200-54	1.438	152.400	50.800	15.9	3.10	345	0.395	14.60	22.5	36.4	669.0	272.0	82.8	59.1	18.6	5.160	1060	1.090	1.170	16.00	5.31	1.380	0.1370	18.10	
600S200-68	1.811	152.400	50.800	15.9	3.87	345	0.493	14.50	22.3	35.9	818.0	539.0	83.4	58.8	18.4	6.800	1050	1.370	1.430	30.40	7.98	1.710	0.1670	22.40	
600S200-97	2.583	152.400	50.800	15.9	5.40	345	0.689	14.50	21.8	35.0	1100.0	1530.0	84.9	58.2	17.9	9.510	1050	1.880	1.890	59.60	14.90	2.340	0.2210	30.70	
800S162-43	1.146	203.200	41.275	12.7	2.72	230	0.347	8.84	15.3	23.5	557.0	152.0	128.0	74.6	13.9	3.420	1010	0.389	0.420	5.97	2.22	1.930	0.0666	19.00	
800S162-54	1.438	203.200	41.275	12.7	3.39	345	0.432	8.85	15.1	23.2	682.0	298.0	130.0	74.3	13.7	6.240	816	0.720	0.775	11.90	5.09	2.390	0.0810	23.50	
800S162-68	1.811	203.200	41.275	12.7	4.23	345	0.539	8.85	14.9	22.8	831.0	589.0	132.0	74.0	13.5	8.460	809	0.894	0.936	24.00	7.69	2.950	0.0978	29.00	
800S162-97	2.583	203.200	41.275	12.7	5.92	345	0.754	8.86	14.4	22.0	1100.0	1680.0	139.0	73.2	13.0	12.300	797	1.200	1.220	61.90	14.50	4.040	0.1270	39.80	
800S200-43	1.146	203.200	50.800	15.9	2.95	230	0.376	12.40	20.6	32.4	1020.0	164.0	115.0	76.7	18.0	4.330	1280	0.588	0.648	5.97	2.22	2.210	0.1210	21.70	
800S200-54	1.438	203.200	50.800	15.9	3.68	345	0.468	12.40	20.4	32.1	1250.0	323.0	116.0	76.4	17.8	7.610	1030	1.100	1.200	11.90	5.09	2.740	0.1490	26.90	
800S200-68	1.811	203.200	50.800	15.9	4.59	345	0.585	12.40	20.2	31.7	1530.0	640.0	117.0	76.1	17.6	10.100	1030	1.380	1.460	24.00	7.69	3.390	0.1810	33.40	
800S200-97	2.583	203.200	50.800	15.9	6.43	345	0.820	12.40	19.7	30.8	2060.0	1820.0	121.0	75.4	17.1	14.200	1020	1.900	1.940	61.90	14.50	4.660	0.2400	45.90	
800S250-43	1.146	203.200	63.500	15.9	3.18	230	0.405	16.60	26.5	42.5	1710.0	177.0	112.0	78.7	22.7	4.400	1560	0.812	0.909	5.97	2.22	2.500	0.2080	24.60	
800S250-54	1.438	203.200	63.500	15.9	3.96	345	0.505	16.60	26.3	42.2	2110.0	348.0	112.0	78.4	22.5	7.750	1260	1.520	1.690	11.90	5.09	3.110	0.2560	30.60	
800S250-68	1.811	203.200	63.500	15.9	4.95	345	0.631	16.60	26.1	41.7	2590.0	690.0	113.0	78.2	22.3	10.500	1260	1.930	2.070	24.00	7.69	3.850	0.3130	37.90	
800S250-97	2.583	203.200	63.500	15.9	6.95	345	0.885	16.50	25.6	40.8	3520.0	1970.0	115.0	77.5	21.8	15.600	1250	2.700	2.780	61.90	14.50	5.320	0.4200	52.40	
800S300-54	1.438	203.200	76.200	15.9	4.25	345	0.542	21.10	32.3	52.7	3240.0	373.0	113.0	80.2	27.2	7.800	1490	1.990	2.250	11.90	5.09	3.480	0.3990	34.20	
800S300-68	1.811	203.200	76.200	15.9	5.31	345	0.677	21.00	32.1	52.2	4000.0	740.0	114.0	79.9	26.9	10.900	1480	2.540	2.760	24.00	7.69	4.320	0.4910	42.50	
800S300-97	2.583	203.200	76.200	15.9	7.46	345	0.951	21.00	31.6	51.2	5450.0	2120.0	115.0	79.3	26.4	16.800	1470	3.610	3.730	61.90	14.50	5.980	0.6640	58.90	
1000S162-54	1.438	254.000	41.275	12.7	3.96	345	0.505	7.67	13.7	20.6	1130.0	348.0	189.0	90.6	13.0	7.990	794	0.722	0.786	9.44	4.90	4.140	0.0851	32.60	
1000S162-68	1.811	254.000	41.275	12.7	4.95	345	0.631	7.69	13.5	20.3	1380.0	690.0	193.0	90.2	12.8	11.000	787	0.899	0.949	19.00	7.45	5.130	0.1030	40.40	
1000S162-97	2.583	254.000	41.275	12.7	6.95	345	0.885	7.73	13.1	19.5	1830.0	1970.0	204.0	89.3	12.3	16.600	772	1.210	1.240	56.00	14.10	7.060	0.1340	55.60	
1000S200-54	1.438	254.000	50.800	15.9	4.25	345	0.542	10.80	18.7	28.8	2060.0	373.0	161.0	93.1	17.0	8.660	1010	1.100	1.220	9.44	4.90	4.690	0.1570	37.00	
1000S200-68	1.811	254.000	50.800	15.9	5.31	345	0.677	10.80	18.5	28.4	2520.0	740.0	164.0	92.8	16.8	12.300	1000	1.380	1.490	19.00	7.45	5.830	0.1920	45.90	
1000S200-97	2.583	254.000	50.800	15.9	7.46	345	0.951	10.80	18.1	27.6	3400.0	2120.0	170.0	92.0	16.4	19.000	991	1.910	1.970	56.00	14.10	8.050	0.2540	63.40	
1000S250-54	1.438	254.000	63.500	15.9	4.54	345	0.578	14.60	24.3	38.2	3470.0	398.0	147.0	95.5	21.7	9.550	1250	1.520	1.720	9.44	4.90	5.280	0.2720	41.50	
1000S250-68	1.811	254.000	63.500	15.9	5.68	345	0.723	14.60	24.1	37.8	4270.0	791.0	149.0	95.2	21.5	14.100	1240	1.930	2.110	19.00	7.45	6.560	0.3330	51.60	
1000S250-97	2.583	254.000	63.500	15.9	7.98	345	1.020	14.50	23.7	36.9	5810.0	2260.0	153.0	94.5	21.0	21.400	1230	2.720	2.830	56.00	14.10	9.09	0.4470	71.50	
1000S300-54	1.438	254.000	76.200	15.9	4.82	345	0.615	18.70	30.1	48.1	5340.0	423.0	142.0	97.6	26.3	9.670	1470	2.000	2.300	9.44	4.90	5.860	0.4260	46.10	
1000S300-68	1.811	254.000	76.200	15.9	6.04	345	0.769	18.60	29.9	47.6	6590.0	841.0	143.0	97.3	26.1	14.200	1470	2.550	2.820	19.00	7.45	7.290	0.5240	57.40	
1000S300-97	2.583	254.000	76.200	15.9	8.49	345	1.080	18.60	29.4	46.7	9010.0	2410.0	146.0	96.7	25.6	22.900	1460	3.640	3.820	56.00	14.10	10.100	0.7090	79.70	
1200S162-68	1.811	304.800	41.275	12.7	5.68	345	0.723	6.83	12.3	18.3	2080.0	791.0	269.0	106.0	12.1	13.400	766	0.901	0.959	15.70	7.22	8.120	0.1060	53.30	
1200S162-97	2.583	304.800	41.275	12.7	7.98	345	1.020	6.90	11.9	17.5	2770.0	2260.0	285.0	105.0	11.7	20.800	749	1.220	1.250	46.30	13.70	11.200	0.1390	73.70	
1200S200-68	1.811	304.800	50.800	15.9	6.04	345	0.769	9.65	17.1	25.8	3810.0	841.0	222.0	109.0	16.1	15.100	983	1.390	1.500	15.70	7.22	9.140	0.2000	59.90	
1200S200-97	2.583	304.800	50.800	15.9	8.49	345	1.080	9.69	16.7	25.1	5140.0	2410.0	231.0	108.0	15.6	23.700	968	1.920	2.000	46.30	13.70	12.700	0.2650	83.10	
1200S250-68	1.811	304.800	63.500	15.9	6.40	345	0.815	13.00	22.5	34.6	6450.0	891.0	195.0	112.0	20.7	15.300	1220	1.940	2.140	15.70	7.22	10.200	0.3480	66.90	
1200S250-97	2.583	304.800	63.500	15.9	9.01	345	1.150	13.00	22.0	33.8	8790.0	2550.0	201.0	111.0	20.2	25.600	1210	2.740	2.870	46.30	13.70	14.200	0.4670	92.90	
1200S300-68	1.811	304.800	76.200	15.9	6.76	345	0.861	16.70	28.0	43.8	9970.0	941.0	181.0	114.0	25.3	16.900	1450	2.560	2.870	15.70	7.22	11.200	0.5500	73.80	
1200S300-97	2.583	304.800	76.200	15.9	9.52	345	1.210	16.70	27.5	43.0	13700.0	2700.0	185.0	114.0	24.8	29.600	1440	3.650	3.880	46.30	13.70	15.700	0.7440	103.00	
1400S162-68	1.811	355.600	41.275	12.7	6.40	345	0.815	6.16	11.4	16.6	2940.0	891.0	361.0	122.0	11.6	15.900	745	0.903	0.966	13.40	7.02	12.100	0.1090	67.80	
1400S162-97	2.583	355.600	41.275	12.7	9.01	345	1.150	6.26	11.0	16.0	3930.0	2550.0	382.0	121.0	11.1	25.000	728	1.220	1.260	39.40	13.40	16.700	0.1420	93.90	
1400S200-68																									

Track Designation	DIMENSIONS			PROPERTIES																
	Thickness t (mm)	Depth A (mm)	Flange B (mm)	Weight (kg/m)	Yield F _y (MPa)	Area (E+03mm ²)	x _{cg} (mm)	x _e (mm)	C _w (E+06mm ⁴)	J (mm ⁴)	j (mm)	r _e (mm)	r _y (mm)	I _x (E+06mm ⁴)	I _y (E+06mm ⁴)	S _x (E+03mm ³)	M _{xx} (kN.m)	L _x (mm)	Shear V _x (kN)	I _x defl. (E+06mm ⁴)
362T125-33	0.879	94	32	1.07	230	0.137	6.75	16.7	20.3	35.2	53.1	36.5	9.58	0.182	0.0125	3.81	0.584	653	5.82	0.158
362T125-43	1.146	94	32	1.40	230	0.178	6.84	16.6	26.3	77.8	53.2	36.6	9.53	0.238	0.0162	4.95	0.822	654	9.89	0.219
362T125-54	1.438	94	32	1.75	345	0.223	6.93	16.5	33.1	154.0	53.5	36.7	9.48	0.301	0.0201	6.20	1.590	531	19.20	0.279
362T125-68	1.811	95	32	2.21	345	0.281	7.05	16.3	41.9	307.0	54.0	36.9	9.41	0.383	0.0249	7.79	2.170	534	26.80	0.375
362T125-97	2.583	96	32	3.14	345	0.400	7.30	15.9	60.6	891.0	55.0	37.4	9.26	0.559	0.0343	11.10	3.430	543	37.70	0.559
362T150-33	0.879	94	38	1.16	230	0.148	8.88	21.7	33.2	38.1	52.7	37.5	11.90	0.207	0.0208	4.33	0.605	785	5.82	0.170
362T150-43	1.146	94	38	1.51	230	0.192	8.96	21.6	43.1	84.2	52.8	37.5	11.80	0.271	0.0268	5.63	0.856	787	9.89	0.236
362T150-54	1.438	94	38	1.90	345	0.241	9.05	21.4	54.3	166.0	53.0	37.7	11.80	0.343	0.0333	7.06	1.650	639	19.20	0.302
362T150-68	1.811	95	38	2.39	345	0.304	9.16	21.2	69.1	332.0	53.3	37.9	11.70	0.437	0.0415	8.88	2.280	643	26.80	0.409
362T150-97	2.583	96	38	3.40	345	0.433	9.39	20.8	100.0	964.0	54.0	38.4	11.50	0.639	0.0576	12.60	3.730	655	37.70	0.639
362T200-33	0.879	94	51	1.34	230	0.170	13.50	32.3	72.3	43.8	56.7	38.9	16.40	0.258	0.0456	5.38	0.638	1040	5.82	0.191
362T200-43	1.146	94	51	1.74	230	0.222	13.60	32.1	93.9	96.9	56.7	39.0	16.30	0.336	0.0591	6.99	0.907	1040	9.89	0.266
362T200-54	1.438	94	51	2.18	345	0.278	13.70	32.0	119.0	192.0	56.8	39.2	16.30	0.426	0.0736	8.78	1.760	849	19.20	0.341
362T200-68	1.811	95	51	2.75	345	0.350	13.80	31.8	151.0	383.0	56.9	39.4	16.20	0.544	0.0919	11.10	2.440	855	26.80	0.466
362T200-97	2.583	96	51	3.92	345	0.499	14.00	31.3	222.0	1110.0	57.2	40.0	16.10	0.798	0.1290	15.80	4.080	870	37.70	0.756
400T125-33	0.879	104	32	1.14	230	0.145	6.39	16.0	25.4	37.3	59.6	39.7	9.42	0.228	0.0129	4.34	0.674	650	5.34	0.200
400T125-43	1.146	103	32	1.48	230	0.189	6.47	15.9	32.8	82.6	59.8	39.7	9.37	0.298	0.0166	5.64	0.945	651	9.89	0.275
400T125-54	1.438	104	32	1.86	345	0.237	6.57	15.8	41.3	163.0	60.2	39.9	9.31	0.376	0.0206	7.06	1.820	528	19.20	0.351
400T125-68	1.811	104	32	2.34	345	0.298	6.69	15.6	52.2	326.0	60.8	40.1	9.24	0.479	0.0255	8.87	2.480	530	29.60	0.469
400T125-97	2.583	105	32	3.34	345	0.425	6.95	15.2	75.1	945.0	62.0	40.5	9.10	0.697	0.0352	12.60	3.910	537	41.80	0.697
400T150-33	0.879	104	38	1.23	230	0.156	8.43	20.9	41.5	40.2	58.0	40.7	11.70	0.259	0.0213	4.92	0.699	784	5.34	0.214
400T150-43	1.146	103	38	1.60	230	0.203	8.51	20.7	53.8	89.0	58.0	40.7	11.60	0.338	0.0276	6.39	0.984	785	9.89	0.296
400T150-54	1.438	104	38	2.00	345	0.255	8.60	20.6	67.8	176.0	58.3	40.9	11.60	0.427	0.0342	8.01	1.900	637	19.20	0.378
400T150-68	1.811	104	38	2.52	345	0.321	8.71	20.4	86.0	351.0	58.7	41.1	11.50	0.544	0.0426	10.10	2.610	641	29.60	0.510
400T150-97	2.583	105	38	3.59	345	0.458	8.96	20.0	124.0	1020.0	59.6	41.6	11.40	0.792	0.0591	14.30	4.230	650	41.80	0.792
400T200-33	0.879	104	51	1.40	230	0.178	12.90	31.2	90.3	46.0	60.3	42.3	16.20	0.320	0.0470	6.07	0.737	1040	5.34	0.239
400T200-43	1.146	103	51	1.82	230	0.233	13.00	31.1	117.0	102.0	60.3	42.4	16.20	0.417	0.0608	7.89	1.040	1040	9.89	0.333
400T200-54	1.438	104	51	2.29	345	0.292	13.10	30.9	148.0	201.0	60.4	42.5	16.10	0.528	0.0758	9.90	2.020	849	19.20	0.426
400T200-68	1.811	104	51	2.88	345	0.367	13.20	30.7	188.0	402.0	60.6	42.8	16.00	0.673	0.0946	12.50	2.790	854	29.60	0.579
400T200-97	2.583	105	51	4.11	345	0.523	13.40	30.3	275.0	1160.0	61.1	43.4	15.90	0.984	0.1320	17.80	4.630	867	41.80	0.933
600T125-33	0.879	154	32	1.49	230	0.190	4.99	13.1	63.8	48.8	107.0	56.0	8.61	0.594	0.0141	7.62	0.996	630	3.54	0.500
600T125-43	1.146	154	32	1.94	230	0.247	5.08	13.0	82.4	108.0	108.0	56.0	8.57	0.775	0.0181	9.90	1.550	629	7.82	0.715
600T125-54	1.438	155	32	2.43	345	0.310	5.19	12.9	103.0	214.0	109.0	56.1	8.52	0.976	0.0225	12.40	3.010	510	15.50	0.912
600T125-68	1.811	155	32	3.06	345	0.390	5.33	12.8	130.0	427.0	110.0	56.3	8.45	1.240	0.0279	15.60	4.360	509	30.40	1.210
600T125-97	2.583	156	32	4.37	345	0.556	5.62	12.5	184.0	1240.0	112.0	56.6	8.32	1.780	0.0385	22.10	6.850	510	61.90	1.780
600T150-33	0.879	154	38	1.58	230	0.201	6.65	17.4	105.0	51.7	96.5	57.4	10.80	0.662	0.0236	8.48	1.020	768	3.54	0.527
600T150-43	1.146	154	38	2.05	230	0.262	6.74	17.3	135.0	114.0	96.8	57.4	10.80	0.862	0.0304	11.00	1.590	768	7.82	0.760
600T150-54	1.438	155	38	2.58	345	0.328	6.84	17.1	170.0	226.0	97.4	57.5	10.70	1.090	0.0378	13.80	3.100	623	15.50	0.970
600T150-68	1.811	155	38	3.24	345	0.413	6.98	17.0	214.0	452.0	98.3	57.7	10.70	1.380	0.0470	17.40	4.530	623	30.40	1.300
600T150-97	2.583	156	38	4.62	345	0.589	7.25	16.7	305.0	1310.0	100.0	58.1	10.50	1.990	0.0652	24.60	7.340	625	61.90	1.990
600T200-33	0.879	154	51	1.75	230	0.223	10.40	26.6	227.0	57.4	87.4	59.7	15.30	0.796	0.0526	10.20	1.120	1040	3.54	0.623
600T200-43	1.146	154	51	2.28	230	0.291	10.50	26.5	295.0	127.0	87.5	59.8	15.30	1.040	0.0680	13.30	1.890	1040	7.82	0.857
600T200-54	1.438	155	51	2.86	345	0.365	10.60	26.4	371.0	251.0	87.9	59.9	15.20	1.310	0.0847	16.60	3.650	844	15.50	1.090
600T200-68	1.811	155	51	3.60	345	0.459	10.70	26.2	469.0	502.0	88.4	60.1	15.20	1.660	0.1060	20.90	4.940	845	30.40	1.460
600T200-97	2.583	156	51	5.14	345	0.655	11.00	25.8	674.0	1460.0	89.5	60.6	15.00	2.400	0.1480	29.80	7.970	850	61.90	2.290
800T125-43	1.146	205	32	2.40	230	0.305	4.22	11.1	158.0	134.0	177.0	71.7	7.91	1.570	0.0191	15.10	2.150	605	5.85	1.390
800T125-54	1.438	205	32	3.01	345	0.383	4.34	11.0	197.0	264.0	178.0	71.8	7.86	1.980	0.0237	19.00	4.190	490	11.60	1.770
800T125-68	1.811	206	32	3.79	345	0.482	4.48	10.8	247.0	527.0	180.0	71.9	7.80	2.500	0.0294	23.80	6.180	489	23.20	2.430
800T125-97	2.583	207	32	5.40	345	0.687	4.79	10.6	348.0	1530.0	183.0	72.2	7.68	3.590	0.0405	33.80	10.500	487	61.90	3.590
800T150-43	1.146	205	38	2.51	230	0.320	5.62	14.8	261.0	140.0	153.0	73.4	10.00	1.720	0.0322	16.60	2.200	745	5.85	1.460
800T150-54	1.438	205	38	3.15	345	0.401	5.73	14.7	326.0	276.0	154.0	73.5	9.99	2.170	0.0400	20.80	4.290	604	11.60	1.870
800T150-68	1.811	206	38	3.97	345	0.505	5.87	14.6	410.0	552.0	155.0	73.7	9.92	2.740	0.0498	26.20	6.380	603	23.20	2.580
800T150-97	2.583	207	38	5.65	345	0.720	6.16	14.3	581.0	1600.0	158.0	74.0	9.79	3.950	0.0691	37.20	11.100	603	61.90	3.950
800T200-43	1.146	205	51	2.74	230	0.349	8.86	23.2	570.0	153.0	128.0	76.4	14.40	2.030	0.0728	19.60	2.270	1020	5.85	1.590
800T200-54	1.438	205	51	3.44	345	0.438	8.96	23.1	715.0	302.0	129.0	76.5	14.40	2.560	0.0907	24.60	4.430	830	11.60	2.030
800T200-68	1.811	206	51	4.33	345	0.551	9.09	22.9	901.0	603.0	130.0	76.7	14.30	3.240	0.1130	30.90	6.660	830	23.20	2.830
800T200-97	2.583	207	51	6.17	345	0.786	9.36	22.6	1290.0	1750.0	131.0	77.1	14.20	4.670	0.1580	44.00				

SPECIFIED WIND LOAD			5 psf			10 psf			15 psf			20 psf			25 psf			30 psf			35 psf		
LSD FACTORED WIND LOAD			7 psf			14 psf			21 psf			28 psf			35 psf			42 psf			49 psf		
	Stud Designation	Strength Or Deflection	Stud Spacing (in.)			Stud Spacing (in.)			Stud Spacing (in.)			Stud Spacing (in.)			Stud Spacing (in.)			Stud Spacing (in.)			Stud Spacing (in.)		
			12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
Stud 3-5/8"	362S125-33	Strength	22.3	19.3	15.7	15.7	13.6	11.1	12.9	11.1	9.1	11.1	9.6	7.9	10.0	8.6	7.0	9.1	7.9	6.4	8.4	7.3	6.0
		L/360	15.3	13.9	12.2	12.2	11.1	9.7	10.6	9.7	8.4	9.7	8.8	7.7	9.0	8.2	7.1	8.4	7.7	6.7	8.0	7.3	6.4
		Web Crippling	90.8	68.1	45.4	45.4	34.1	22.7	30.3	22.7	15.1	22.7	17.0	11.4	18.2	13.6	9.1	15.1	11.4	7.6	13.0	9.7	6.5
Flange 1-1/4"	362S125-43	Strength	26.8	23.2	19.0	19.0	16.4	13.4	15.5	13.4	11.0	13.4	11.6	9.5	12.0	10.4	8.5	11.0	9.5	7.8	10.1	8.8	7.2
		L/360	16.7	15.2	13.3	13.3	12.1	10.5	11.6	10.5	9.2	10.5	9.6	8.4	9.8	8.9	7.8	9.2	8.4	7.3	8.7	7.9	6.9
		Web Crippling	152.0	114.0	75.9	75.9	56.9	37.9	50.6	37.9	25.3	37.9	28.5	19.0	30.3	22.8	15.2	25.3	19.0	12.6	21.7	16.3	10.8
Lip 3/16"	362S125-54	Strength	36.1	31.3	25.5	25.5	22.1	18.1	20.9	18.1	14.7	18.1	15.6	12.8	16.2	14.0	11.4	14.7	12.8	10.4	13.7	11.8	9.7
		L/360	17.9	16.2	14.2	14.2	12.9	11.3	12.4	11.3	9.8	11.3	10.2	8.9	10.5	9.5	8.3	9.8	8.9	7.8	9.3	8.5	7.4
		Web Crippling	342.0	257.0	171.0	171.0	128.0	85.5	114.0	85.5	57.0	85.5	64.1	42.8	68.4	51.3	34.2	57.0	42.8	28.5	48.9	36.6	24.4
Stud 3-5/8"	362S162-33	Strength	27.1	23.5	19.2	19.2	16.6	13.5	15.6	13.5	11.1	13.5	11.7	9.6	12.1	10.5	8.6	11.1	9.6	7.8*	10.2	8.9	7.2*
		L/360	16.9	15.3	13.4	13.4	12.2	10.6	11.7	10.6	9.3	10.6	9.7	8.4	9.9	9.0	7.8	9.3	8.4	7.4	8.8	8.0	7.0*
		Web Crippling	90.8	68.1	45.4	45.4	34.1	22.7	30.3	22.7	15.1	22.7	17.0	11.4	18.2	13.6	9.1	15.1	11.4	7.6	13.0	9.7	6.5
Flange 1-5/8"	362S162-43	Strength	32.1	27.8	22.7	22.7	19.6	16.0	18.5	16.0	13.1	16.0	13.9	11.3	14.3	12.4	10.1	13.1	11.3	9.3	12.1	10.5	8.6
		L/360	18.4	16.7	14.6	14.6	13.2	11.6	12.7	11.6	10.1	11.6	10.5	9.2	10.7	9.8	8.5	10.1	9.2	8.0	9.6	8.7	7.6
		Web Crippling	152.0	114.0	75.9	75.9	56.9	37.9	50.6	37.9	25.3	37.9	28.5	19.0	30.3	22.8	15.2	25.3	19.0	12.6	21.7	16.3	10.8
Lip 1/2"	362S162-54	Strength	42.9	37.1	30.3	30.3	26.2	21.4	24.7	21.4	17.5	21.4	18.6	15.2	19.2	16.6	13.6	17.5	15.2	12.4	16.2	14.0	11.5
		L/360	19.7	17.9	15.6	15.6	14.2	12.4	13.6	12.4	10.8	12.4	11.3	9.8	11.5	10.5	9.1	10.8	9.8	8.6	10.3	9.3	8.2
		Web Crippling	342.0	257.0	171.0	171.0	128.0	85.5	114.0	85.5	57.0	85.5	64.1	42.8	68.4	51.3	34.2	57.0	42.8	28.5	48.9	36.6	24.4
Stud 3-5/8"	362S162-68	Strength	48.9	42.3	34.5	34.5	29.9	24.4	28.2	24.4	19.9	24.4	21.2	17.3	21.8	18.9	15.4	19.9	17.3	14.1	18.5	16.0	13.1
		L/360	21.0	19.1	16.7	16.7	15.2	13.3	14.6	13.3	11.6	13.3	12.0	10.5	12.3	11.2	9.8	11.6	10.5	9.2	11.0	10.0	8.7
		Web Crippling	508.0	381.0	254.0	254.0	191.0	127.0	169.0	127.0	84.7	127.0	95.3	63.5	102.0	76.2	50.8	84.7	63.5	42.3	72.6	54.4	36.3
Flange 2"	362S162-97	Strength	56.6	49.0	40.0	40.0	34.7	28.3	32.7	28.3	23.1	28.3	24.5	20.0	25.3	21.9	17.9	23.1	20.0	16.3	21.4	18.5	15.1
		L/360	23.2	21.1	18.4	18.4	16.7	14.6	16.1	14.6	12.8	14.6	13.3	11.6	13.6	12.3	10.8	12.8	11.6	10.1	12.1	11.0	9.6
		Web Crippling	685.0	514.0	343.0	343.0	257.0	171.0	228.0	171.0	114.0	171.0	128.0	85.6	137.0	103.0	68.5	114.0	85.6	57.1	97.9	73.4	48.9
Stud 3-5/8"	362S200-33	Strength	28.8	25.0	20.4	20.4	17.7	14.4	16.6	14.4	11.8	14.4	12.5	10.2	12.9	11.2	9.1*	11.8	10.2	8.3*	10.9	9.4	7.7*
		L/360	17.7	16.1	14.1	14.1	12.8	11.2	12.3	11.2	9.8	11.2	10.1	8.9	10.4	9.4	8.2	9.8	8.9	7.7*	9.3	8.4	7.4*
		Web Crippling	90.8	68.1	45.4	45.4	34.1	22.7	30.3	22.7	15.1	22.7	17.0	11.4	18.2	13.6	9.1	15.1	11.4	7.6	13.0	9.7	6.5
Flange 2"	362S200-43	Strength	34.3	29.7	24.2	24.2	21.0	17.1	19.8	17.1	14.0	17.1	14.8	12.1	15.3	13.3	10.8	14.0	12.1	9.9	13.0	11.2	9.2
		L/360	19.4	17.6	15.4	15.4	14.0	12.2	13.4	12.2	10.7	12.2	11.1	9.7	11.3	10.3	9.0	10.7	9.7	8.5	10.1	9.2	8.1
		Web Crippling	152.0	114.0	75.9	75.9	56.9	37.9	50.6	37.9	25.3	37.9	28.5	19.0	30.3	22.8	15.2	25.3	19.0	12.6	21.7	16.3	10.8
Lip 5/8"	362S200-54	Strength	45.7	39.6	32.3	32.3	28.0	22.9	26.4	22.9	18.7	22.9	19.8	16.2	20.4	17.7	14.5	18.7	16.2	13.2	17.3	15.0	12.2
		L/360	20.8	18.9	16.5	16.5	15.0	13.1	14.4	13.1	11.4	13.1	11.9	10.4	12.2	11.0	9.7	11.4	10.4	9.1	10.9	9.9	8.6
		Web Crippling	342.0	257.0	171.0	171.0	128.0	85.5	114.0	85.5	57.0	85.5	64.1	42.8	68.4	51.3	34.2	57.0	42.8	28.5	48.9	36.6	24.4
Stud 3-5/8"	362S200-68	Strength	52.6	45.6	37.2	37.2	32.2	26.3	30.4	26.3	21.5	26.3	22.8	18.6	23.5	20.4	16.6	21.5	18.6	15.2	19.9	17.2	14.1
		L/360	22.3	20.2	17.7	17.7	16.1	14.0	15.4	14.0	12.3	14.0	12.7	11.1	13.0	11.8	10.3	12.3	11.1	9.7	11.6	10.6	9.2
		Web Crippling	508.0	381.0	254.0	254.0	191.0	127.0	169.0	127.0	84.7	127.0	95.3	63.5	102.0	76.2	50.8	84.7	63.5	42.3	72.6	54.4	36.3
Flange 2-1/2"	362S250-43	Strength	61.8	53.5	43.7	43.7	37.9	30.9	35.7	30.9	25.2	30.9	26.8	21.9	27.7	23.9	19.6	25.2	21.9	17.8	23.4	20.2	16.5
		L/360	24.6	22.4	19.5	19.5	17.8	15.5	17.1	15.5	13.6	15.5	14.1	12.3	14.4	13.1	11.4	13.6	12.3	10.8	12.9	11.7	10.2
		Web Crippling	685.0	514.0	343.0	343.0	257.0	171.0	228.0	171.0	114.0	171.0	128.0	85.6	137.0	103.0	68.5	114.0	85.6	57.1	97.9	73.4	48.9
Stud 3-5/8"	362S250-54	Strength	35.6	30.8	25.1	25.1	21.8	17.8	20.5	17.8	14.5	17.8	15.4	12.6	15.9	13.8	11.2	14.5	12.6	10.3	13.4	11.6	9.5
		L/360	20.4	18.5	16.2	16.2	14.7	12.9	14.1	12.9	11.2	12.9	11.7	10.2	11.9	10.8	9.5	11.2	10.2	8.9	10.7	9.7	8.5
		Web Crippling	152.0	114.0	75.9	75.9	56.9	37.9	50.6	37.9	25.3	37.9	28.5	19.0	30.3	22.8	15.2	25.3	19.0	12.6	21.7	16.3	10.8
Flange 2-1/2"	362S250-68	Strength	46.9	40.6	33.2	33.2	28.7	23.5	27.1	23.5	19.2	23.5	20.3	16.6	21.0	18.2	14.8	19.2	16.6	13.5	17.7	15.4	12.5
		L/360	21.6	19.7	17.2	17.2	15.6	13.6	15.0	13.6	11.9	13.6	12.4	10.8	12.7	11.5	10.0	11.9	10.8	9.5	11.3	10.3	9.0
		Web Crippling	342.0	257.0	171.0	171.0	128.0	85.5	114.0	85.5	57.0	85.5	64.1	42.8	68.4	51.3	34.2	57.0	42.8	28.5	48.9	36.6	24.4
Lip 5/8"	362S250-97	Strength	54.3	47.1	38.4	38.4	33.3	27.2	31.4	27.2	22.2	27.2	23.5	19.2	24.3	21.0	17.2	22.2	19.2	15.7	20.5	17.8	14.5
		L/360	23.4	21.3	18.6	18.6	16.9	14.8	16.2	14.8	12.9	14.8	13.4	11.7	13.7	12.4	10.9	12.9	11.7	10.2	12.2	11.1	9.7
		Web Crippling	508.0	381.0	254.0	254.0	191.0	127.0	169.0	127.0	84.7	127.0	95.3	63.5	102.0	76.2	50.8	84.7	63.5	42.3	72.6	54.4	36.3
Stud 4"	400S125-33	Strength	67.3	58.2	47.6	47.6	41.2	33.6	38.8	33.6	27.5	33.6	29.1	23.8	30.1	26.0	21.3	27.5	23.8				

SPECIFIED WIND LOAD			5 psf			10 psf			15 psf			20 psf			25 psf			30 psf			35 psf		
LSD FACTORED WIND LOAD			7 psf			14 psf			21 psf			28 psf			35 psf			42 psf			49 psf		
	Stud Designation	Strength Or Deflection	Stud Spacing (in.)			Stud Spacing (in.)			Stud Spacing (in.)			Stud Spacing (in.)			Stud Spacing (in.)			Stud Spacing (in.)			Stud Spacing (in.)		
			12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
Stud 4"	400S200-33	Strength	30.5	26.4	21.5	21.5	18.7	15.2	17.6	15.2	12.4	15.2	13.2	10.8	13.6	11.8	9.6*	12.4	10.8	8.8*	11.5	10.0*	8.1*
		L/360	19.1	17.3	15.2	15.2	13.8	12.0	13.2	12.0	10.5	12.0	10.9	9.6	11.2	10.1	8.9	10.5	9.6	8.3*	10.0	9.1	7.9*
		Web Crippling	89.7	67.3	44.8	44.8	33.6	22.4	29.9	22.4	14.9	22.4	16.8	11.2	17.9	13.5	9.0	14.9	11.2	7.5	12.8	9.6	6.4
	400S200-43	Strength	36.3	31.4	25.6	25.6	22.2	18.1	20.9	18.1	14.8	18.1	15.7	12.8	16.2	14.0	11.5	14.8	12.8	10.5	13.7	11.9	9.7
		L/360	20.9	19.0	16.6	16.6	15.1	13.2	14.5	13.2	11.5	13.2	12.0	10.5	12.2	11.1	9.7	11.5	10.5	9.1	10.9	9.9	8.7
		Web Crippling	150.0	113.0	75.1	75.1	56.3	37.5	50.0	37.5	25.0	37.5	28.2	18.8	30.0	22.5	15.0	25.0	18.8	12.5	21.4	16.1	10.7
	400S200-54	Strength	48.4	41.9	34.2	34.2	29.6	24.2	27.9	24.2	19.7	24.2	20.9	17.1	21.6	18.7	15.3	19.7	17.1	14.0	18.3	15.8	12.9
		L/360	22.4	20.4	17.8	17.8	16.2	14.1	15.5	14.1	12.3	14.1	12.8	11.2	13.1	11.9	10.4	12.3	11.2	9.8	11.7	10.6	9.3
		Web Crippling	339.0	254.0	169.0	169.0	127.0	84.7	113.0	84.7	56.5	84.7	63.5	42.4	67.8	50.8	33.9	56.5	42.4	28.2	48.4	36.3	24.2
	400S200-68	Strength	55.8	48.3	39.5	39.5	34.2	27.9	32.2	27.9	22.8	27.9	24.2	19.7	25.0	21.6	17.6	22.8	19.7	16.1	21.1	18.3	14.9
		L/360	24.0	21.8	19.1	19.1	17.3	15.1	16.7	15.1	13.2	15.1	13.8	12.0	14.0	12.8	11.2	13.2	12.0	10.5	12.6	11.4	10.0
		Web Crippling	504.0	378.0	252.0	252.0	189.0	126.0	168.0	126.0	84.0	126.0	94.5	63.0	101.0	75.6	50.4	84.0	63.0	42.0	72.0	54.0	36.0
	400S200-97	Strength	66.0	57.2	46.7	46.7	40.4	33.0	38.1	33.0	27.0	33.0	28.6	23.4	29.5	25.6	20.9	27.0	23.4	19.1	25.0	21.6	17.7
		L/360	26.6	24.2	21.1	21.1	19.2	16.8	18.4	16.8	14.6	16.8	15.2	13.3	15.6	14.1	12.3	14.6	13.3	11.6	13.9	12.6	11.0
		Web Crippling	680.0	510.0	340.0	340.0	255.0	170.0	227.0	170.0	113.0	170.0	128.0	85.0	136.0	102.0	68.0	113.0	85.0	56.7	97.2	72.9	48.6
Stud 4"	400S250-43	Strength	37.5	32.5	26.5	26.5	23.0	18.8	21.7	18.8	15.3	18.8	16.2	13.3	16.8	14.5	11.9	15.3	13.3	10.8	14.2	12.3	10.0
		L/360	22.0	20.0	17.4	17.4	15.8	13.8	15.2	13.8	12.1	13.8	12.6	11.0	12.8	11.7	10.2	12.1	11.0	9.6	11.5	10.4	9.1
		Web Crippling	150.0	113.0	75.1	75.1	56.3	37.5	50.0	37.5	25.0	37.5	28.2	18.8	30.0	22.5	15.0	25.0	18.8	12.5	21.4	16.1	10.7
	400S250-54	Strength	49.7	43.0	35.1	35.1	30.4	24.8	28.7	24.8	20.3	24.8	21.5	17.6	22.2	19.2	15.7	20.3	17.6	14.3	18.8	16.3	13.3
		L/360	23.3	21.2	18.5	18.5	16.8	14.7	16.2	14.7	12.8	14.7	13.3	11.6	13.6	12.4	10.8	12.8	11.6	10.2	12.2	11.1	9.7
		Web Crippling	339.0	254.0	169.0	169.0	127.0	84.7	113.0	84.7	56.5	84.7	63.5	42.4	67.8	50.8	33.9	56.5	42.4	28.2	48.4	36.3	24.2
	400S250-68	Strength	57.6	49.9	40.7	40.7	35.3	28.8	33.3	28.8	23.5	28.8	24.9	20.4	25.8	22.3	18.2	23.5	20.4	16.6	21.8	18.9	15.4
		L/360	25.2	22.9	20.0	20.0	18.2	15.9	17.5	15.9	13.9	15.9	14.4	12.6	14.8	13.4	11.7	13.9	12.6	11.0	13.2	12.0	10.5
		Web Crippling	504.0	378.0	252.0	252.0	189.0	126.0	168.0	126.0	84.0	126.0	94.5	63.0	101.0	75.6	50.4	84.0	63.0	42.0	72.0	54.0	36.0
	400S250-97	Strength	71.7	62.1	50.7	50.7	43.9	35.9	41.4	35.9	29.3	35.9	31.1	25.4	32.1	27.8	22.7	29.3	25.4	20.7	27.1	23.5	19.2
		L/360	28.1	25.5	22.3	22.3	20.3	17.7	19.5	17.7	15.5	17.7	16.1	14.0	16.4	14.9	13.0	15.5	14.0	12.3	14.7	13.3	11.7
		Web Crippling	680.0	510.0	340.0	340.0	255.0	170.0	227.0	170.0	113.0	170.0	128.0	85.0	136.0	102.0	68.0	113.0	85.0	56.7	97.2	72.9	48.6
Stud 6"	600S125-33	Strength	29.2	25.3	20.7	20.7	17.9	14.6	16.9	14.6	11.9	14.6	12.6	10.3	13.1	11.3	9.2*	11.9	10.3	8.4*	11.0	9.6*	7.8*
		L/360	22.7	20.6	18.0	18.0	16.4	14.3	15.8	14.3	12.5	14.3	13.0	11.4*	13.3	12.1	10.5*	12.5	11.4*	9.9*	11.9	10.8*	9.4*
		Web Crippling	84.4	63.3	42.2	42.2	31.7	21.1	28.1	21.1	14.1	21.1	15.8	10.6	16.9	12.7	8.4	14.1	10.6	7.0	12.1	9.1	6.0
	600S125-43	Strength	35.8	31.0	25.3	25.3	21.9	17.9	20.6	17.9	14.6	17.9	15.5	12.6	16.0	13.8	11.3	14.6	12.6	10.3	13.5	11.7	9.6
		L/360	25.0	22.7	19.9	19.9	18.0	15.8	17.3	15.8	13.8	15.8	14.3	12.5	14.6	13.3	11.6	13.8	12.5	10.9	13.1	11.9	10.4*
		Web Crippling	143.0	107.0	71.3	71.3	53.5	35.7	47.5	35.7	23.8	35.7	26.7	17.8	28.5	21.4	14.3	23.8	17.8	11.9	20.4	15.3	10.2
	600S125-54	Strength	48.4	41.9	34.2	34.2	29.6	24.2	28.0	24.2	19.8	24.2	21.0	17.1	21.7	18.8	15.3	19.8	17.1	14.0	18.3	15.8	12.9
		L/360	26.8	24.4	21.3	21.3	19.4	16.9	18.6	16.9	14.8	16.9	15.4	13.4	15.7	14.3	12.5	14.8	13.4	11.7	14.0	12.7	11.1
		Web Crippling	324.0	243.0	162.0	162.0	122.0	81.0	108.0	81.0	54.0	81.0	60.8	40.5	64.8	48.6	32.4	54.0	40.5	27.0	46.3	34.7	23.1
	600S162-33	Strength	35.8	31.0	25.3	25.3	21.9	17.9	20.6	17.9	14.6*	17.9	15.5	12.6*	16.0	13.9*	11.3*	14.6*	12.6*	10.3*	13.5*	11.7*	9.6*
		L/360	25.0	22.7	19.8	19.8	18.0	15.8	17.3	15.8	13.8	15.8	14.3	12.5*	14.6	13.3*	11.6*	13.8	12.5*	10.9*	13.1*	11.9*	10.4*
		Web Crippling	84.4	63.3	42.2	42.2	31.7	21.1	28.1	21.1	14.1	21.1	15.8	10.6	16.9	12.7	8.4	14.1	10.6	7.0	12.1	9.1	6.0
	600S162-43	Strength	42.8	37.1	30.3	30.3	26.2	21.4	24.7	21.4	17.5	21.4	18.5	15.1	19.1	16.6	13.5	17.5	15.1	12.4*	16.2	14.0	11.4*
		L/360	27.2	24.7	21.6	21.6	19.6	17.2	18.9	17.2	15.0	17.2	15.6	13.6	15.9	14.5	12.6	15.0	13.6	11.9*	14.2	12.9	11.3*
		Web Crippling	143.0	107.0	71.3	71.3	53.5	35.7	47.5	35.7	23.8	35.7	26.7	17.8	28.5	21.4	14.3	23.8	17.8	11.9	20.4	15.3	10.2
	600S162-54	Strength	57.2	49.6	40.5	40.5	35.0	28.6	33.0	28.6	23.4	28.6	24.8	20.2	25.6	22.2	18.1	23.4	20.2	16.5	21.6	18.7	15.3
		L/360	29.2	26.6	23.2	23.2	21.1	18.4	20.3	18.4	16.1	18.4	16.7	14.6	17.1	15.5	13.6	16.1	14.6	12.8	15.3	13.9	12.1
		Web Crippling	324.0	243.0	162.0	162.0	122.0	81.0	108.0	81.0	54.0	81.0	60.8	40.5	64.8	48.6	32.4	54.0	40.5	27.0	46.3	34.7	23.1
	600S162-68	Strength	66.5	57.6	47.0	47.0	40.7	33.3	38.4	33.3	27.2	33.3	28.8	23.5	29.8	25.8	21.0	27.2	23.5	19.2	25.1	21.8	17.8
		L/360	31.3	28.5	24.9	24.9	22.6	19.7	21.7	19.7	17.2	19.7	17.9	15.7	18.3	16.6	14.5	17.2	15.7	13.7	16.4	14.9	13.0
		Web Crippling	485.0	363.0	242.0	242.0	182.0	121.0	162.0	121.0	80.8	121.0	90.9	60.6	96.9	72.7	48.5	80.8	60.6	40.4	69.2	51.9	34.6
	600S162-97	Strength	80.5	69.7	56.9	56.9	49.3	40.2	46.5	40.2	32.8	40.2	34.8	28.4	36.0	31.2	25.4	32.8	28.4	23.2	30.4	26.3	21.5
		L/360	34.7	31.5	27.6																		

	40 psf			45 psf			50 psf			55 psf			60 psf			70 psf			80 psf			90 psf		
	56 psf			63 psf			70 psf			77 psf			84 psf			98 psf			112 psf			126 psf		
	Stud Spacing (in.)			Stud Spacing (in.)			Stud Spacing (in.)			Stud Spacing (in.)			Stud Spacing (in.)			Stud Spacing (in.)			Stud Spacing (in.)			Stud Spacing (in.)		
	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
	10.8	9.3*	7.6*	10.2*	8.8*	7.2*	9.6*	8.4*	6.8*	9.2*	8.0*	6.5*	8.8*	7.6*	6.2*	8.1*	7.1*	5.8*	7.6*	6.6*	5.4*	7.2*	6.2*	5.1*
	9.6	8.7*	7.6*	9.2	8.3*	7.3*	8.9	8.1*	7.0*	8.6*	7.8*	6.8*	8.3*	7.6*	6.6*	7.9*	7.2*	6.3*	7.6*	6.9*	6.0*	7.3*	6.6*	5.8*
	11.2	8.4	5.6	10.0	7.5	5.0	9.0	6.7	4.5	8.2	6.1	4.1	7.5	5.6	3.7	6.4	4.8	3.2	5.6	4.2	2.8	5.0	3.7	2.5
	12.8	11.1	9.1	12.1	10.5	8.6*	11.5	9.9	8.1*	10.9	9.5	7.7*	10.5	9.1	7.4*	9.7	8.4*	6.9*	9.1	7.9*	6.4*	8.6*	7.4*	6.1*
	10.5	9.5	8.3	10.1	9.1	8.0	9.7	8.8	7.7*	9.4	8.5	7.5*	9.1	8.3	7.3*	8.7	7.9	6.9*	8.3	7.5*	6.6*	8.0	7.3*	6.3*
	18.8	14.1	9.4	16.7	12.5	8.3	15.0	11.3	7.5	13.6	10.2	6.8	12.5	9.4	6.3	10.7	8.0	5.4	9.4	7.0	4.7	8.3	6.3	4.2
	17.1	14.8	12.1	16.1	14.0	11.4	15.3	13.2	10.8	14.6	12.6	10.3	14.0	12.1	9.9	12.9	11.2	9.1	12.1	10.5	8.6	11.4	9.9	8.1
	11.2	10.2	8.9	10.8	9.8	8.6	10.4	9.5	8.3	10.1	9.2	8.0	9.8	8.9	7.8	9.3	8.5	7.4	8.9	8.1	7.1	8.6	7.8	6.8
	42.4	31.8	21.2	37.7	28.2	18.8	33.9	25.4	16.9	30.8	23.1	15.4	28.2	21.2	14.1	24.2	18.2	12.1	21.2	15.9	10.6	18.8	14.1	9.4
	19.7	17.1	13.9	18.6	16.1	13.2	17.6	15.3	12.5	16.8	14.6	11.9	16.1	13.9	11.4	14.9	12.9	10.5	13.9	12.1	9.9	13.2	11.4	9.3
	12.0	10.9	9.5	11.5	10.5	9.2	11.2	10.1	8.9	10.8	9.8	8.6	10.5	9.5	8.3	10.0	9.1	7.9	9.5	8.7	7.6	9.2	8.3	7.3
	63.0	47.3	31.5	56.0	42.0	28.0	50.4	37.8	25.2	45.8	34.4	22.9	42.0	31.5	21.0	36.0	27.0	18.0	31.5	23.6	15.8	28.0	21.0	14.0
	23.4	20.2	16.5	22.0	19.1	15.6	20.9	18.1	14.8	19.9	17.2	14.1	19.1	16.5	13.5	17.7	15.3	12.5	16.5	14.3	11.7	15.6	13.5	11.0
	13.3	12.1	10.6	12.8	11.6	10.1	12.3	11.2	9.8	12.0	10.9	9.5	11.6	10.6	9.2	11.0	10.0	8.8	10.6	9.6	8.4	10.1	9.2	8.1
	85.0	63.8	42.5	75.6	56.7	37.8	68.0	51.0	34.0	61.8	46.4	30.9	56.7	42.5	28.3	48.6	36.4	24.3	42.5	31.9	21.3	37.8	28.3	18.9
	13.3	11.5	9.4	12.5	10.8	8.8*	11.9	10.3	8.4*	11.3	9.8	8.0*	10.8	9.4	7.7*	10.0	8.7*	7.1*	9.4	8.1*	6.6*	8.8*	7.7*	6.3*
	11.0	10.0	8.7	10.6	9.6	8.4*	10.2	9.3	8.1*	9.9	9.0	7.8*	9.6	8.7	7.6*	9.1	8.3*	7.2*	8.7	7.9*	6.9*	8.4*	7.6*	6.7*
	18.8	14.1	9.4	16.7	12.5	8.3	15.0	11.3	7.5	13.6	10.2	6.8	12.5	9.4	6.3	10.7	8.0	5.4	9.4	7.0	4.7	8.3	6.3	4.2
	17.6	15.2	12.4	16.6	14.3	11.7	15.7	13.6	11.1	15.0	13.0	10.6	14.3	12.4	10.1	13.3	11.5	9.4	12.4	10.8	8.8	11.7	10.1	8.3
	11.6	10.6	9.3	11.2	10.2	8.9	10.8	9.8	8.6	10.5	9.5	8.3	10.2	9.3	8.1	9.7	8.8	7.7	9.3	8.4	7.3	8.9	8.1	7.1
	42.4	31.8	21.2	37.7	28.2	18.8	33.9	25.4	16.9	30.8	23.1	15.4	28.2	21.2	14.1	24.2	18.2	12.1	21.2	15.9	10.6	18.8	14.1	9.4
	20.4	17.6	14.4	19.2	16.6	13.6	18.2	15.8	12.9	17.4	15.0	12.3	16.6	14.4	11.8	15.4	13.3	10.9	14.4	12.5	10.2	13.6	11.8	9.6
	12.6	11.5	10.0	12.1	11.0	9.6	11.7	10.6	9.3	11.3	10.3	9.0	11.0	10.0	8.8	10.5	9.5	8.3	10.0	9.1	8.0	9.6	8.8	7.6
	63.0	47.3	31.5	56.0	42.0	28.0	50.4	37.8	25.2	45.8	34.4	22.9	42.0	31.5	21.0	36.0	27.0	18.0	31.5	23.6	15.8	28.0	21.0	14.0
	25.4	22.0	17.9	23.9	20.7	16.9	22.7	19.6	16.0	21.6	18.7	15.3	20.7	17.9	14.6	19.2	16.6	13.6	17.9	15.5	12.7	16.9	14.6	12.0
	14.0	12.8	11.1	13.5	12.3	10.7	13.0	11.8	10.4	12.6	11.5	10.0	12.3	11.1	9.7	11.7	10.6	9.3	11.1	10.1	8.9	10.7	9.7	8.5
	85.0	63.8	42.5	75.6	56.7	37.8	68.0	51.0	34.0	61.8	46.4	30.9	56.7	42.5	28.3	48.6	36.4	24.3	42.5	31.9	21.3	37.8	28.3	18.9
	10.3	8.9*	7.3*	9.7*	8.4*	6.9*	9.2*	8.0*	6.5*	8.8*	7.6*	6.2*	8.4*	7.3*	6.0*	-	-	-	-	-	-	-	-	-
	11.4*	10.3*	9.0*	10.9*	9.9*	8.7*	10.5*	9.6*	8.4*	10.2*	9.3*	8.1*	9.9*	9.0*	7.9*	-	-	-	-	-	-	-	-	-
	10.6	7.9	5.3	9.4	7.0	4.7	8.4	6.3	4.2	7.7	5.8	3.8	7.0	5.3	3.5	-	-	-	-	-	-	-	-	-
	12.6	10.9	8.9*	11.9	10.3	8.4*	11.3	9.8	8.0*	10.8	9.3	7.6*	10.3	8.9*	7.3*	-	-	-	-	-	-	-	-	-
	12.5	11.4	9.9*	12.0	10.9	9.5*	11.6	10.5	9.2*	11.2	10.2*	8.9*	10.9	9.9*	8.7*	-	-	-	-	-	-	-	-	-
	17.8	13.4	8.9	15.8	11.9	7.9	14.3	10.7	7.1	13.0	9.7	6.5	11.9	8.9	5.9	-	-	-	-	-	-	-	-	-
	17.1	14.8	12.1	16.1	14.0	11.4	15.3	13.3	10.8	14.6	12.6	10.3	14.0	12.1	9.9	-	-	-	-	-	-	-	-	-
	13.4	12.2	10.6	12.9	11.7	10.2	12.5	11.3	9.9	12.1	11.0	9.6	11.7	10.6	9.3	-	-	-	-	-	-	-	-	-
	40.5	30.4	20.3	36.0	27.0	18.0	32.4	24.3	16.2	29.5	22.1	14.7	27.0	20.3	13.5	-	-	-	-	-	-	-	-	-
	12.6*	11.0*	8.9*	11.9*	10.3*	8.4*	11.3*	9.8*	8.0*	10.8*	9.3*	7.6*	10.3*	8.9*	7.3*	-	-	-	-	-	-	-	-	-
	12.5*	11.4*	9.9*	12.0*	10.9*	9.5*	11.6*	10.5*	9.2*	11.2*	10.2*	8.9*	10.9*	9.9*	8.7*	-	-	-	-	-	-	-	-	-
	10.6	7.9	5.3	9.4	7.0	4.7	8.4	6.3	4.2	7.7	5.8	3.8	7.0	5.3	3.5	-	-	-	-	-	-	-	-	-
	15.1	13.1	10.7*	14.3	12.4*	10.1*	13.5	11.7*	9.6*	12.9	11.2*	9.1*	12.4*	10.7*	8.7*	-	-	-	-	-	-	-	-	-
	13.6	12.4	10.8*	13.1	11.9*	10.4*	12.6	11.5*	10.0*	12.2	11.1*	9.7*	11.9*	10.8*	9.4*	-	-	-	-	-	-	-	-	-
	17.8	13.4	8.9	15.8	11.9	7.9	14.3	10.7	7.1	13.0	9.7	6.5	11.9	8.9	5.9	-	-	-	-	-	-	-	-	-
	20.2	17.5	14.3	19.1	16.5	13.5	18.1	15.7	12.8	17.3	14.9	12.2	16.5	14.3	11.7	-	-	-	-	-	-	-	-	-
	14.6	13.3	11.6	14.0	12.8	11.2	13.6	12.3	10.8	13.1	11.9	10.4	12.8	11.6	10.1	-	-	-	-	-	-	-	-	-
	40.5	30.4	20.3	36.0	27.0	18.0	32.4	24.3	16.2	29.5	22.1	14.7	27.0	20.3	13.5	-	-	-	-	-	-	-	-	-
	23.5	20.4	16.6	22.2	19.2	15.7	21.0	18.2	14.9	20.1	17.4	14.2	19.2	16.6	13.6	-	-	-	-	-	-	-	-	-
	15.7	14.2	12.4	15.1	13.7	12.0	14.5	13.2	11.5	14.1	12.8	11.2	13.7	12.4	10.9	-	-	-	-	-	-	-	-	-
	60.6	45.4	30.3	53.8	40.4	26.9	48.5	36.3	24.2	44.1	33.0	22.0	40.4	30.3	20.2	-	-	-	-	-	-	-	-	-
	28.4	24.6	20.1	26.8	23.2	19.0	25.4	22.0	18.0	24.3	21.0	17.2	23.2	20.1	16.4	-	-	-	-	-	-	-	-	-
	17.4	15.8	13.8	16.7	15.2	13.2	16.1	14.6	12.8	15.6	14.2	12.4	15.2	13.8	12.0	-	-	-	-	-	-	-	-	-
	82.1	61.6	41.1	73.0	54.8	36.5	65.7	49.3	32.9	59.7	44.8	29.9	54.8	41.1	27.4	-	-	-	-	-	-	-	-	-
	13.5*	11.7*	9.5*	12.7*	11.0*	9.0*	12.1*	10.4*	8.5*	11.5*	10.0*	8.1*	11.0*	9.5*	7.8*	-	-	-	-	-	-	-	-	-
	13.1*	11.9*	10.4*	12.6*	11.4*	10.0*	12.1*	11.0*	9.6*	11.7*	10.7*	9.3*	11.4*	10.4*	9.1*	-	-	-	-	-	-	-	-	-
	10.6	7.9	5.3	9.4	7.0	4.7	8.4	6.3	4.2	7.7	5.8	3.8	7.0	5.3	3.5	-	-	-	-	-	-	-	-	-
	16.1	14.0*	11.4*	15.2	13.2*	10.7*	14.4*	12.5*	10.2*	13.7*	11.9*	9.7*	13.2*	11.4*	9.3*	-	-	-	-	-	-	-	-	-
	14.3	13.0	11.4*	13.8	12.5*	10.9*	13.3	12.1*	10.5*	12.9	11.7*	1												

Maximum factored axial compressive resistance per stud (kips)

Wall Height (ft.)	O.C. (in.)	0 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(UNSHEATHED)			
		362S162 - (mils)					400S162 - (mils)					400S200 - (mils)					400S250 - (mils)			
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	43	54	68	97
8	12	3.04	4.15	6.28	8.06	11.66	3.24	4.44	6.93	9.20	13.40	3.81	5.46	8.64	11.31	16.21	6.06	9.36	12.83	18.71
	16	3.04	4.15	6.28	8.06	11.66	3.24	4.44	6.93	9.20	13.40	3.81	5.46	8.64	11.31	16.21	6.06	9.36	12.83	18.71
	24	3.04	4.15	6.28	8.06	11.66	3.24	4.44	6.93	9.20	13.40	3.81	5.46	8.64	11.31	16.21	6.06	9.36	12.83	18.71
9	12	2.93	4.01	5.95	7.57	10.91	3.15	4.33	6.66	8.82	12.74	3.72	5.29	8.25	10.78	15.34	5.92	9.12	12.39	17.70
	16	2.93	4.01	5.95	7.57	10.91	3.15	4.33	6.66	8.82	12.74	3.72	5.29	8.25	10.78	15.34	5.92	9.12	12.39	17.70
	24	2.93	4.01	5.95	7.57	10.91	3.15	4.33	6.66	8.82	12.74	3.72	5.29	8.25	10.78	15.34	5.92	9.12	12.39	17.70
10	12	2.81	3.84	5.56	7.03	10.06	3.05	4.19	6.34	8.37	11.98	3.61	5.10	7.80	10.18	14.37	5.76	8.77	11.79	16.59
	16	2.81	3.84	5.56	7.03	10.06	3.05	4.19	6.34	8.37	11.98	3.61	5.10	7.80	10.18	14.37	5.76	8.77	11.79	16.59
	24	2.81	3.84	5.56	7.03	10.06	3.05	4.19	6.34	8.37	11.98	3.61	5.10	7.80	10.18	14.37	5.76	8.77	11.79	16.59
11	12	2.68	3.65	5.13	6.43	9.16	2.94	4.03	5.97	7.84	11.13	3.49	4.89	7.31	9.52	13.32	5.59	8.36	11.04	15.41
	16	2.68	3.65	5.13	6.43	9.16	2.94	4.03	5.97	7.84	11.13	3.49	4.89	7.31	9.52	13.32	5.59	8.36	11.04	15.41
	24	2.68	3.65	5.13	6.43	9.16	2.94	4.03	5.97	7.84	11.13	3.49	4.89	7.31	9.52	13.32	5.59	8.36	11.04	15.41
12	12	2.53	3.45	4.65	5.82	8.22	2.81	3.86	5.57	7.24	10.22	3.35	4.66	6.79	8.77	12.23	5.39	7.92	10.20	14.19
	16	2.53	3.45	4.65	5.82	8.22	2.81	3.86	5.57	7.24	10.22	3.35	4.66	6.79	8.77	12.23	5.39	7.92	10.20	14.19
	24	2.53	3.45	4.65	5.82	8.22	2.81	3.86	5.57	7.24	10.22	3.35	4.66	6.79	8.77	12.23	5.39	7.92	10.20	14.19
13	12	2.37	3.23	4.21	5.25	7.35	2.67	3.66	5.13	6.60	9.26	3.20	4.42	6.25	8.00	11.11	5.14	7.30	9.33	12.94
	16	2.37	3.23	4.21	5.25	7.35	2.67	3.66	5.13	6.60	9.26	3.20	4.42	6.25	8.00	11.11	5.14	7.30	9.33	12.94
	24	2.37	3.23	4.21	5.25	7.35	2.67	3.66	5.13	6.60	9.26	3.20	4.42	6.25	8.00	11.11	5.14	7.30	9.33	12.94
14	12	2.21	3.00	3.81	4.74	6.59	2.52	3.46	4.71	5.98	8.34	3.05	4.16	5.70	7.22	9.99	4.85	6.67	8.44	11.68
	16	2.21	3.00	3.81	4.74	6.59	2.52	3.46	4.71	5.98	8.34	3.05	4.16	5.70	7.22	9.99	4.85	6.67	8.44	11.68
	24	2.21	3.00	3.81	4.74	6.59	2.52	3.46	4.71	5.98	8.34	3.05	4.16	5.70	7.22	9.99	4.85	6.67	8.44	11.68
16	12	1.87	2.53	3.13	3.88	5.33	2.21	3.02	3.96	4.92	6.78	2.68	3.64	4.76	5.91	8.13	4.25	5.56	6.93	9.55
	16	1.87	2.53	3.13	3.88	5.33	2.21	3.02	3.96	4.92	6.78	2.68	3.64	4.76	5.91	8.13	4.25	5.56	6.93	9.55
	24	1.87	2.53	3.13	3.88	5.33	2.21	3.02	3.96	4.92	6.78	2.68	3.64	4.76	5.91	8.13	4.25	5.56	6.93	9.55
18	12	1.58	2.10	2.60	3.20	4.37	1.89	2.58	3.30	4.07	5.57	2.29	3.10	3.96	4.89	6.70	3.64	4.65	5.75	7.90
	16	1.58	2.10	2.60	3.20	4.37	1.89	2.58	3.30	4.07	5.57	2.29	3.10	3.96	4.89	6.70	3.64	4.65	5.75	7.90
	24	1.58	2.10	2.60	3.20	4.37	1.89	2.58	3.30	4.07	5.57	2.29	3.10	3.96	4.89	6.70	3.64	4.65	5.75	7.90
20	12	1.35	1.76	2.17	2.67	3.63	1.61	2.20	2.76	3.40	4.64	1.95	2.64	3.32	4.09	5.59	3.10	3.90	4.82	6.61
	16	1.35	1.76	2.17	2.67	3.63	1.61	2.20	2.76	3.40	4.64	1.95	2.64	3.32	4.09	5.59	3.10	3.90	4.82	6.61
	24	1.35	1.76	2.17	2.67	3.63	1.61	2.20	2.76	3.40	4.64	1.95	2.64	3.32	4.09	5.59	3.10	3.90	4.82	6.61
22	12	1.16	1.49	1.84	2.26	3.06	1.39	1.90	2.34	2.88	3.91	1.68	2.27	2.81	3.46	4.72	2.67	3.31	4.09	5.60
	16	1.16	1.49	1.84	2.26	3.06	1.39	1.90	2.34	2.88	3.91	1.68	2.27	2.81	3.46	4.72	2.67	3.31	4.09	5.60
	24	1.16	1.49	1.84	2.26	3.06	1.39	1.90	2.34	2.88	3.91	1.68	2.27	2.81	3.46	4.72	2.67	3.31	4.09	5.60
24	12	0.99	1.28	-	-	-	1.21	1.63	2.00	2.46	3.33	1.46	1.95	2.40	2.96	4.03	2.30	2.84	3.50	4.79
	16	0.99	1.28	-	-	-	1.21	1.63	2.00	2.46	3.33	1.46	1.95	2.40	2.96	4.03	2.30	2.84	3.50	4.79
	24	0.99	1.28	-	-	-	1.21	1.63	2.00	2.46	3.33	1.46	1.95	2.40	2.96	4.03	2.30	2.84	3.50	4.79

Wall Height (ft.)	O.C. (in.)	0 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(UNSHEATHED)			
		600S162 - (mils)					600S200 - (mils)						600S250 - (mils)					600S300 - (mils)		
		33	43	54	68	97	33	43	54	68	97		43	54	68	97		54	68	97
8	12	3.68	5.07	8.24	10.88	16.57	4.33	6.42	10.96	14.55	22.72	-	6.91	11.21	16.13	26.53	-	11.63	16.32	28.32
	16	3.68	5.07	8.24	10.88	16.57	4.33	6.42	10.96	14.55	22.72	-	6.91	11.21	16.13	26.53	-	11.63	16.32	28.32
	24	3.68	5.07	8.24	10.88	16.57	4.33	6.42	10.96	14.55	22.72	-	6.91	11.21	16.13	26.53	-	11.63	16.32	28.32
9	12	3.68	5.07	8.24	10.88	16.57	4.30	6.36	10.81	14.36	22.41	-	6.86	11.07	15.90	26.08	-	11.49	16.10	27.83
	16	3.68	5.07	8.24	10.88	16.57	4.30	6.36	10.81	14.36	22.41	-	6.86	11.07	15.90	26.08	-	11.49	16.10	27.83
	24	3.68	5.07	8.24	10.88	16.57	4.30	6.36	10.81	14.36	22.41	-	6.86	11.07	15.90	26.08	-	11.49	16.10	27.83
10	12	3.68	5.07	8.24	10.88	16.57	4.26	6.29	10.63	14.11	22.02	-	6.80	10.91	15.63	25.54	-	11.31	15.85	27.25
	16	3.68	5.07	8.24	10.88	16.57	4.26	6.29	10.63	14.11	22.02	-	6.80	10.91	15.63	25.54	-	11.31	15.85	27.25
	24	3.68	5.07	8.24	10.88	16.57	4.26	6.29	10.63	14.11	22.02	-	6.80	10.91	15.63	25.54	-	11.31	15.85	27.25
11	12	3.65	5.05	8.24	10.88	16.57	4.21	6.21	10.40	13.82	21.54	-	6.72	10.72	15.31	24.91	-	11.12	15.56	26.60
	16	3.65	5.05	8.24	10.88	16.57	4.21	6.21	10.40	13.82	21.54	-	6.72	10.72	15.31	24.91	-	11.12	15.56	26.60
	24	3.65	5.05	8.24	10.88	16.57	4.21	6.21	10.40	13.82	21.54	-	6.72	10.72	15.31	24.91	-	11.12	15.56	26.60
12	12	3.60	4.99	8.14	10.88	16.57	4.16	6.10	10.14	13.46	20.97	-	6.63	10.50	14.95	24.19	-	10.89	15.27	25.87
	16	3.60	4.99	8.14	10.88	16.57	4.16	6.10	10.14	13.46	20.97	-	6.63	10.50	14.95	24.19	-	10.89	15.27	25.87
	24	3.60	4.99	8.14	10.88	16.57	4.16	6.10	10.14	13.46	20.97	-	6.63	10.50	14.95	24.19	-	10.89	15.27	25.87
13	12	3.55	4.91	7.95	10.69	16.57	4.09	5.98	9.83	13.05	20.31	-	6.53	10.24	14.55	23.38	-	10.64	14.95	25.08
	16	3.55	4.91	7.95	10.69	16.57	4.09	5.98	9.83	13.05	20.31	-	6.53	10.24	14.55	23.38	-	10.64	14.95	25.08
	24	3.55	4.91	7.95	10.69	16.57	4.09	5.98	9.83	13.05	20.31	-	6.53	10.24	14.55	23.38	-	10.64	14.95	25.08
14	12	3.48	4.82	7.72	10.38	16.47	4.02	5.84	9.49	12.59	19.57	-	6.41	10.01	14.13	22.51	-	10.36	14.60	24.23
	16	3.48	4.82	7.72	10.38	16.47	4.02	5.84	9.49	12.59	19.57	-	6.41	10.01	14.13	22.51	-	10.36	14.60	24.23
	24	3.48	4.82	7.72	10.38	16.47	4.02	5.84	9.49	12.59	19.57	-	6.41	10.01	14.13	22.51	-	10.36	14.60	24.23
16	12	3.31	4.59	7.16	9.62	15.19	3.84	5.52	8.71	11.56	17.92	-	6.15	9.56	13.23	20.59	-	9.75	13.84	22.46
	16	3.31	4.59	7.16	9.62	15.19	3.84	5.52	8.71	11.56	17.92	-	6.15	9.56	13.23	20.59	-	9.75	13.84	22.46
	24	3.31	4.59	7.16	9.62	15.19	3.84	5.52	8.71	11.56	17.92	-	6.15	9.56	13.23	20.59	-	9.75	13.84	22.46
18	12	3.10	4.30	6.50	8.72	13.69	3.62	5.16	7.85	10.42	16.10	-	5.86	8.93	12.12	18.54	-	9.08	12.98	20.69
	16	3.10	4.30	6.50	8.72	13.69	3.62	5.16	7.85	10.42	16.10	-	5.86	8.93	12.12	18.54	-	9.08	12.98	20.69
	24	3.10	4.30	6.50	8.72	13.69	3.62	5.16	7.85	10.42	16.10	-	5.86	8.93	12.12	18.54	-	9.08	12.98	20.69
20	12	2.87	3.98	5.78	7.74	12.09	3.39	4.76	6.96	9.24	14.23	-	5.53	8.17	10.77	16.44	-	8.35	11.74	18.62
	16	2.87	3.98	5.78	7.74	12.09	3.39	4.76	6.96	9.24	14.23	-	5.53	8.17	10.77	16.44	-	8.35	11.74	18.62
	24	2.87	3.98	5.78	7.74	12.09	3.39	4.76	6.96	9.24	14.23	-	5.53	8.17	10.77	16.44	-	8.35	11.74	18.62
22	12	2.62	3.64	5.05	6.77	10.51	3.14	4.36	6.08	8.06	12.37	-	5.09	7.15	9.43	14.34	-	7.70	10.55	16.30
	16	2.62	3.64	5.05	6.77	10.51	3.14	4.36	6.08	8.06	12.37	-	5.09	7.15	9.43	14.34	-	7.70	10.55	16.30
	24	2.62	3.64	5.05	6.77	10.51	3.14	4.36	6.08	8.06	12.37	-	5.09	7.15	9.43	14.34	-	7.70	10.55	16.30
24	12	2.37	3.30	4.45	5.95	9.18	2.86	3.95	5.32	7.06	10.79	-	4.62	6.25	8.24	12.50	-	7.00	9.42	14.20
	16	2.37	3.30	4.45	5.95	9.18	2.86	3.95	5.32	7.06	10.79	-	4.62	6.25	8.24	12.50	-	7.00	9.42	14.20
	24	2.37	3.30	4.45	5.95	9.18	2.86	3.95	5.32	7.06	10.79	-	4.62	6.25	8.24	12.50	-	7.00	9.42	14.20

Maximum factored axial compressive resistance per stud (kips)

Wall Height (ft.)	O.C. (in.)	10 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"														(UNSHEATHED)				
		600S162 - (mils)					600S200 - (mils)					600S250 - (mils)					600S300 - (mils)			
		33	43	54	68	97	33	43	54	68	97		43	54	68	97		54	68	97
8	12	3.40	4.80	7.99	10.63	16.29	4.04	6.12	10.65	14.25	22.40	-	6.60	10.92	15.82	26.19	-	11.34	16.02	27.98
	16	3.31	4.71	7.90	10.55	16.20	3.94	6.02	10.55	14.15	22.30	-	6.50	10.82	15.72	26.08	-	11.25	15.92	27.87
	24	3.12	4.53	7.74	10.38	16.01	3.75	5.82	10.36	13.96	22.09	-	6.30	10.63	15.51	25.86	-	11.05	15.72	27.64
9	12	3.32	4.72	7.91	10.56	16.20	3.93	5.98	10.42	13.97	22.00	-	6.46	10.70	15.50	25.65	-	11.12	15.72	27.39
	16	3.20	4.60	7.80	10.45	16.08	3.80	5.85	10.29	13.84	21.87	-	6.33	10.58	15.37	25.51	-	10.99	15.59	27.25
	24	2.97	4.38	7.59	10.24	15.84	3.56	5.59	10.04	13.59	21.60	-	6.07	10.33	15.10	25.22	-	10.75	15.33	26.96
10	12	3.23	4.63	7.82	10.47	16.10	3.80	5.81	10.14	13.63	21.50	-	6.30	10.45	15.13	25.00	-	10.85	15.37	26.71
	16	3.08	4.49	7.69	10.33	15.94	3.65	5.65	9.98	13.47	21.33	-	6.14	10.29	14.96	24.82	-	10.70	15.21	26.53
	24	2.79	4.20	7.42	10.06	15.63	3.35	5.33	9.67	13.15	21.00	-	5.82	9.99	14.63	24.47	-	10.40	14.89	26.17
11	12	3.10	4.51	7.72	10.36	15.98	3.65	5.62	9.81	13.22	20.90	-	6.12	10.15	14.70	24.25	-	10.55	14.97	25.93
	16	2.92	4.33	7.55	10.19	15.78	3.47	5.42	9.62	13.03	20.70	-	5.92	9.96	14.49	24.03	-	10.37	14.77	25.71
	24	2.57	3.99	7.22	9.86	15.39	3.11	5.04	9.24	12.64	20.28	-	5.53	9.59	14.09	23.59	-	10.00	14.39	25.27
12	12	2.95	4.34	7.51	10.24	15.83	3.49	5.40	9.43	12.75	20.20	-	5.91	9.81	14.21	23.39	-	10.22	14.56	25.06
	16	2.74	4.13	7.30	10.03	15.59	3.28	5.17	9.20	12.52	19.95	-	5.67	9.59	13.97	23.12	-	10.00	14.33	24.80
	24	2.33	3.72	6.90	9.62	15.11	2.85	4.72	8.75	12.06	19.45	-	5.21	9.15	13.49	22.60	-	9.56	13.86	24.28
13	12	2.78	4.15	7.21	9.92	15.66	3.31	5.15	9.00	12.21	19.40	-	5.68	9.44	13.67	22.43	-	9.84	14.11	24.12
	16	2.53	3.91	6.97	9.68	15.36	3.06	4.89	8.73	11.94	19.10	-	5.40	9.18	13.39	22.12	-	9.59	13.83	23.81
	24	2.06	3.43	6.50	9.19	14.78	2.58	4.37	8.21	11.41	18.52	-	4.87	8.67	12.83	21.51	-	9.08	13.29	23.20
14	12	2.59	3.94	6.86	9.49	15.36	3.11	4.89	8.53	11.62	18.51	-	5.42	9.07	13.10	21.39	-	9.44	13.61	23.12
	16	2.32	3.66	6.59	9.20	15.00	2.83	4.58	8.22	11.31	18.17	-	5.11	8.77	12.77	21.03	-	9.15	13.29	22.75
	24	1.79	3.12	6.06	8.65	14.31	2.29	4.00	7.64	10.70	17.50	-	4.50	8.18	12.13	20.33	-	8.57	12.66	22.05
16	12	2.19	3.46	6.07	8.47	13.74	2.68	4.30	7.50	10.31	16.53	-	4.87	8.31	11.89	19.14	-	8.56	12.53	20.99
	16	1.86	3.12	5.73	8.12	13.29	2.34	3.93	7.13	9.93	16.10	-	4.47	7.93	11.47	18.69	-	8.19	12.11	20.52
	24	1.24	2.47	5.10	7.44	12.43	1.69	3.23	6.42	9.19	15.27	-	3.73	7.19	10.66	17.81	-	7.47	11.32	19.62
18	12	1.77	2.94	5.20	7.34	11.93	2.23	3.68	6.42	8.93	14.43	-	4.26	7.38	10.47	16.78	-	7.61	11.32	18.84
	16	1.39	2.54	4.82	6.94	11.41	1.83	3.25	6.00	8.49	13.92	-	3.80	6.92	9.97	16.24	-	7.17	10.82	18.27
	24	0.71	1.82	4.11	6.17	10.45	1.10	2.46	5.22	7.66	12.97	-	2.93	6.07	9.05	15.23	-	6.33	9.86	17.19
20	12	1.36	2.42	4.34	6.20	10.11	1.78	3.07	5.38	7.57	12.33	-	3.64	6.37	8.91	14.42	-	6.64	9.81	16.44
	16	0.96	1.99	3.93	5.77	9.56	1.35	2.60	4.93	7.10	11.78	-	3.12	5.86	8.38	13.84	-	6.14	9.25	15.80
	24	0.24*	1.21	3.19	4.96	8.54	0.57	1.75	4.11	6.22	10.77	-	2.17	4.94	7.39	12.75	-	5.22	8.82	14.61
22	12	0.99	1.93	3.54	5.14	8.42	1.37	2.49	4.41	6.30	10.35	-	2.99	5.25	7.44	12.17	-	5.74	8.41	13.94
	16	0.57	1.48	3.13	4.69	7.85	0.91	2.00	3.96	5.81	9.78	-	2.44	4.73	6.89	11.57	-	5.20	7.82	13.28
	24	-	0.68*	2.39	3.89	6.83	0.11*	1.13	3.14	4.93	8.76	-	1.46	3.80	5.90	10.46	-	4.22	6.73	12.06
24	12	0.66	1.48	2.88	4.26	7.02	0.99	1.97	3.61	5.23	8.69	-	2.39	4.29	6.19	10.25	-	4.87	7.13	11.75
	16	0.25*	1.03	2.47	3.81	6.46	0.53*	1.48	3.15	4.75	8.13	-	1.83	3.78	5.64	9.64	-	4.31	6.53	11.08
	24	-	0.24*	1.74*	3.02	5.46	-	0.61*	2.35*	3.88	7.12	-	0.85*	2.87	4.66	8.54	-	3.31	5.43	9.88

Wall Height (ft.)	O.C. (in.)	10 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"														(UNSHEATHED)					
		800S162 - (mils)					800S200 - (mils)					800S250 - (mils)					800S300 - (mils)				
		43	54	68	97		43	54	68	97		43	54	68	97		54	68	97		
8	12	-	4.77	7.77	10.38	16.16	-	6.37	11.08	14.73	22.93	-	6.98	11.69	16.91	28.36	-	12.18	17.29	30.94	
	16	-	4.71	7.71	10.33	16.10	-	6.30	11.01	14.66	22.86	-	6.90	11.62	16.83	28.28	-	12.11	17.22	30.86	
	24	-	4.58	7.60	10.22	15.98	-	6.15	10.87	14.52	22.72	-	6.75	11.48	16.68	28.12	-	11.96	17.07	30.69	
9	12	-	4.72	7.72	10.33	16.11	-	6.31	11.02	14.67	22.87	-	6.89	11.58	16.78	28.17	-	12.06	17.13	30.64	
	16	-	4.64	7.65	10.26	16.03	-	6.22	10.93	14.58	22.78	-	6.80	11.49	16.69	28.07	-	11.96	17.04	30.54	
	24	-	4.48	7.50	10.12	15.88	-	6.03	10.75	14.40	22.61	-	6.60	11.31	16.49	27.86	-	11.78	16.85	30.32	
10	12	-	4.66	7.67	10.28	16.05	-	6.24	10.95	14.60	22.80	-	6.80	11.45	16.63	27.94	-	11.91	16.94	30.28	
	16	-	4.56	7.57	10.19	15.95	-	6.12	10.84	14.49	22.69	-	6.67	11.33	16.51	27.81	-	11.79	16.82	30.15	
	24	-	4.36	7.39	10.02	15.77	-	5.89	10.60	14.27	22.47	-	6.43	11.10	16.27	27.55	-	11.56	16.59	29.88	
11	12	-	4.59	7.60	10.22	15.98	-	6.16	10.87	14.52	22.72	-	6.68	11.29	16.45	27.65	-	11.73	16.72	29.84	
	16	-	4.47	7.49	10.11	15.87	-	6.02	10.73	14.39	22.58	-	6.54	11.15	16.30	27.49	-	11.59	16.57	29.68	
	24	-	4.23	7.27	9.89	15.63	-	5.73	10.44	14.11	22.31	-	6.24	10.87	16.00	27.18	-	11.31	16.28	29.35	
12	12	-	4.52	7.53	10.15	15.91	-	6.07	10.78	14.43	22.63	-	6.56	11.10	16.23	27.32	-	11.53	16.45	29.33	
	16	-	4.37	7.40	10.02	15.77	-	5.90	10.61	14.26	22.46	-	6.38	10.93	16.05	27.13	-	11.36	16.28	29.14	
	24	-	4.08	7.13	9.76	15.48	-	5.56	10.26	13.93	22.13	-	6.03	10.60	15.69	26.74	-	11.03	15.93	28.74	
13	12	-	4.43	7.45	10.07	15.82	-	5.95	10.67	14.33	22.52	-	6.41	10.88	15.98	26.93	-	11.30	16.15	28.75	
	16	-	4.26	7.29	9.92	15.65	-	5.75	10.46	14.13	22.32	-	6.20	10.69	15.77	26.70	-	11.10	15.94	28.51	
	24	-	3.92	6.98	9.61	15.32	-	5.35	10.05	13.73	21.92	-	5.80	10.30	15.34	26.24	-	10.71	15.53	28.05	
14	12	-	4.34	7.37	9.99	15.73	-	5.79	10.40	14.11	22.40	-	6.25	10.64	15.61	26.33	-	11.04	15.81	28.09	
	16	-	4.14	7.18	9.80	15.53	-	5.55	10.17	13.88	22.16	-	6.01	10.41	15.37	26.06	-	10.82	15.57	27.81	
	24	-	3.74	6.81	9.43	15.13	-	5.09	9.69	13.40	21.68	-	5.54	9.95	14.87	25.53	-	10.36	15.09	27.27	
16	12	-	4.13	7.16	9.78	15.49	-	5.41	9.76	13.33	21.50	-	5.88	10.05	14.76	24.87	-	10.45	15.02	26.58	
	16	-	3.87	6.91	9.53	15.22	-	5.10	9.45	13.02	21.18	-	5.57	9.76	14.43	24.51	-	10.16	14.70	26.22	
	24	-	3.35	6.41	9.04	14.68	-	4.51	8.85	12.41	20.54	-	4.96	9.17	13.80	23.82	-	9.57	14.09	25.51	
18	12	-	3.89	6.91	9.53	15.20	-	4.95	8.98	12.36	20.08	-	5.44	9.37	13.77	23.15	-	9.78	14.18	24.87	
	16	-	3.55	6.58	9.20	14.84	-	4.58	8.60	11.97	19.67	-	5.06	9.00	13.37	22.71	-	9.41	13.78	24.42	
	24	-	2.90	5.95	8.56	14.12	-	3.86	7.86	11.22	18.87	-	4.32	8.28	12.58	21.84	-	8.69	13.01	23.54	
20	12	-	3.56	6.54	9.22	14.83	-	4.45	8.10	11.26	18.45	-	4.97	8.66	12.72	21.27	-	9.04	13.27	23.05	
	16	-	3.15	6.13	8.80	14.36	-	4.02	7.66	10.80	17.96	-	4.51	8.22	12.23	20.74	-	8.59	12.79	22.50	
	24	-	2.38	5.36	8.00	13.45	-	3.19	6.81	9.93	17.02	-	3.64	7.37	11.30	19.71	-	7.74	11.86	21.45	
22	12	-	3.11	5.81	8.31	13.93	-	3.93	7.19	10.10	16.71	-	4.46	7.98	11.64	19.30	-	8.25	12.29	21.18	
	16	-	2.65	5.35	7.84	13.36	-	3.43	6.69	9.59	16.15	-	3.94	7.46	11.08	18.69	-	7.74	11.73	20.54	
	24	-	1.79	4.50	6.94	12.28	-	2.51	5.76	8.62	15.08	-	2.95	6.48	10.01	17.52	-	6.77	10.66	19.32	
24	12	-	2.66	5.06	7.34	12.41	-	3.40	6.28	8.94	14.95	-	3.94	7.20	10.47	17.31	-	7.44	11.28	19.34	
	16	-	2.16	4.57	6.83	11.78	-	2.86	5.75	8.38	14.33	-	3.35	6.62	9.85	16.63	-	6.87	10.64	18.62	
	24	-	1.24	3.67	5.87	10.62	-	1.87	4.77	7.34	13.17	-	2.27	5.55	8.68	15.36	-	5.81	9.44	17.25	

Wall Height (ft.)	O.C. (in.)	20 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(UNSHEATHED)			
		362S162 - (mils)					400S162 - (mils)					400S200 - (mils)					400S250 - (mils)			
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	43	54	68	97
8	12	2.17	3.28	5.46	7.21	10.73	2.42	3.63	6.15	8.36	12.49	2.97	4.58	7.80	10.47	15.33	5.15	8.51	11.95	17.85
	16	1.90	3.01	5.20	6.94	10.44	2.17	3.37	5.89	8.09	12.20	2.70	4.29	7.53	10.20	15.04	4.86	8.24	11.66	17.57
	24	1.39	2.48	4.70	6.42	9.86	1.67	2.86	5.40	7.56	11.62	2.17	3.74	6.99	9.67	14.48	4.29	7.70	11.09	17.02
9	12	1.86	2.92	4.93	6.53	9.76	2.14	3.30	5.67	7.76	11.59	2.65	4.18	7.18	9.72	14.23	4.77	8.03	11.25	16.62
	16	1.54	2.59	4.62	6.20	9.40	1.83	2.98	5.36	7.42	11.23	2.32	3.84	6.85	9.38	13.88	4.40	7.69	10.88	16.27
	24	0.95	1.96	4.02	5.58	8.70	1.24	2.37	4.76	6.77	10.51	1.70	3.17	6.20	8.72	13.18	3.70	7.02	10.17	15.59
10	12	1.54	2.53	4.36	5.79	8.70	1.83	2.94	5.13	7.08	10.58	2.32	3.75	6.52	8.89	13.03	4.34	7.43	10.39	15.28
	16	1.18	2.15	4.00	5.42	8.29	1.47	2.56	4.77	6.68	10.15	1.93	3.35	6.12	8.48	12.60	3.91	7.01	9.95	14.86
	24	0.52	1.45	3.33	4.72	7.50	0.80	1.85	4.07	5.93	9.32	1.21	2.58	5.37	7.72	11.79	3.09	6.22	9.11	14.05
11	12	1.22	2.14	3.76	5.04	7.63	1.51	2.56	4.57	6.33	9.50	1.97	3.31	5.81	8.01	11.76	3.89	6.76	9.39	13.87
	16	0.83	1.72	3.37	4.63	7.17	1.11	2.13	4.16	5.88	9.01	1.53	2.84	5.37	7.55	11.27	3.39	6.28	8.89	13.39
	24	-	0.96	2.65	3.88	6.32	0.38	1.35	3.39	5.04	8.09	0.74	1.99	4.54	6.69	10.36	2.46	5.38	7.95	12.48
12	12	0.92	1.76	3.18	4.31	6.56	1.20	2.17	3.99	5.55	8.40	1.62	2.85	5.11	7.07	10.47	3.42	6.07	8.34	12.44
	16	0.51*	1.31	2.77	3.88	6.08	0.77	1.71	3.55	5.07	7.87	1.15	2.35	4.63	6.58	9.94	2.87	5.54	7.80	11.91
	24	-	0.52*	2.03	3.10	5.20	-	0.87	2.73	4.18	6.88	0.30*	1.43	3.75	5.66	8.95	1.86	4.56	6.78	10.92
13	12	0.64	1.40	2.66	3.65	5.61	0.90	1.80	3.42	4.78	7.31	1.28	2.41	4.42	6.16	9.20	2.93	5.28	7.31	11.03
	16	0.22*	0.94*	2.24	3.22	5.12	0.45*	1.31	2.96	4.28	6.75	0.79	1.87	3.92	5.64	8.65	2.34	4.72	6.73	10.47
	24	-	-	1.50*	2.43*	4.23	-	0.43*	2.12	3.37	5.74	-	0.92*	3.01	4.70	7.62	1.28	3.70	5.68	9.42
14	12	0.40*	1.07	2.20	3.08	4.78	0.63	1.45	2.90	4.08	6.29	0.97	1.99	3.77	5.30	7.99	2.45	4.53	6.32	9.66
	16	-	0.61*	1.79*	2.64	4.30	0.17*	0.94*	2.43	3.57	5.73	0.46*	1.44	3.26	4.77	7.42	1.84	3.96	5.73	9.08
	24	-	-	1.05*	1.86*	3.41	-	-	1.58*	2.66*	4.71	-	0.46*	2.35*	3.83	6.39	0.75*	2.94	4.67	8.01
16	12	-	0.53*	1.47*	2.16	3.47	0.17*	0.83*	2.03	2.93	4.65	0.42*	1.25	2.71	3.90	6.02	1.60	3.29	4.69	7.40
	16	-	0.08*	1.07*	1.73*	2.99	-	0.32*	1.56*	2.43	4.09	-	0.69*	2.20*	3.38	5.46	0.97*	2.71	4.11	6.81
	24	-	-	-	0.99*	2.15*	-	-	0.73*	1.55*	3.11*	-	-	1.31*	2.46*	4.44	-	1.71*	3.07*	5.74
18	12	-	-	0.94*	1.48*	2.51	-	0.35*	1.36*	2.07*	3.43	-	0.67*	1.89*	2.85	4.55	0.92*	2.33	3.46	5.68
	16	-	-	-	1.08*	2.05*	-	-	0.91*	1.59*	2.89*	-	0.13*	1.40*	2.35*	4.00	0.31*	1.78*	2.90*	5.10
	24	-	-	-	-	1.26*	-	-	-	-	1.96*	-	-	-	1.47*	3.03*	-	0.82*	1.91*	4.07*
20	12	-	-	-	0.99*	1.80*	-	-	0.86*	1.43*	2.52*	-	0.24*	1.28*	2.07*	3.44	0.41*	1.61*	2.55*	4.38
	16	-	-	-	-	1.37*	-	-	-	0.98*	2.01*	-	-	-	1.59*	2.92*	-	1.09*	2.01*	3.82*
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00*	-	-	-	2.84*
22	12	-	-	-	-	1.28*	-	-	-	0.96*	1.84*	-	-	-	1.48*	2.61*	-	1.07*	1.85*	3.39*
	16	-	-	-	-	-	-	-	-	-	1.36*	-	-	-	-	2.11*	-	-	1.34*	2.85*
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	12	-	-	-	-	-	-	-	-	-	1.32*	-	-	-	-	1.97*	-	-	1.32*	2.62*
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.11*
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Wall Height (ft.)	O.C. (in.)	20 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(UNSHEATHED)					
		600S162 - (mils)					600S200 - (mils)						600S250 - (mils)					600S300 - (mils)				
		33	43	54	68	97	33	43	54	68	97		43	54	68	97		54	68	97		
8	12	3.12	4.53	7.74	10.38	16.01	3.75	5.82	10.36	13.96	22.09	-	6.30	10.63	15.51	25.86	-	11.05	15.72	27.64		
	16	2.94	4.35	7.57	10.22	15.82	3.56	5.62	10.16	13.76	21.88	-	6.09	10.43	15.30	25.64	-	10.86	15.52	27.42		
	24	2.58	4.00	7.24	9.89	15.45	3.18	5.22	9.76	13.36	21.47	-	5.69	10.05	14.89	25.20	-	10.48	15.12	26.98		
9	12	2.97	4.38	7.59	10.24	15.84	3.56	5.59	10.04	13.59	21.60	-	6.07	10.33	15.10	25.22	-	10.75	15.33	26.96		
	16	2.73	4.15	7.37	10.02	15.59	3.32	5.34	9.79	13.34	21.33	-	5.81	10.09	14.84	24.94	-	10.51	15.08	26.68		
	24	2.28	3.70	6.95	9.60	15.11	2.85	4.84	9.29	12.84	20.80	-	5.30	9.60	14.32	24.37	-	10.02	14.58	26.11		
10	12	2.79	4.20	7.42	10.06	15.63	3.35	5.33	9.67	13.15	21.00	-	5.82	9.99	14.63	24.47	-	10.40	14.89	26.17		
	16	2.50	3.92	7.15	9.79	15.32	3.06	5.02	9.35	12.84	20.66	-	5.50	9.68	14.30	24.11	-	10.10	14.57	25.82		
	24	1.94	3.37	6.62	9.26	14.71	2.48	4.41	8.74	12.22	20.00	-	4.87	9.09	13.66	23.41	-	9.50	13.95	25.11		
11	12	2.57	3.99	7.22	9.86	15.39	3.11	5.04	9.24	12.64	20.28	-	5.53	9.59	14.09	23.59	-	10.00	14.39	25.27		
	16	2.23	3.65	6.88	9.53	15.01	2.76	4.67	8.86	12.26	19.87	-	5.15	9.23	13.69	23.16	-	9.64	14.01	24.84		
	24	1.57	2.98	6.24	8.88	14.25	2.08	3.94	8.12	11.52	19.07	-	4.40	8.51	12.91	22.31	-	8.92	13.25	23.98		
12	12	2.33	3.72	6.90	9.62	15.11	2.85	4.72	8.75	12.06	19.45	-	5.21	9.15	13.49	22.60	-	9.56	13.86	24.28		
	16	1.93	3.32	6.51	9.22	14.64	2.45	4.28	8.31	11.61	18.97	-	4.76	8.72	13.02	22.08	-	9.13	13.41	23.76		
	24	1.17	2.56	5.75	8.44	13.72	1.66	3.44	7.45	10.74	18.01	-	3.89	7.88	12.10	21.08	-	8.29	12.52	22.75		
13	12	2.06	3.43	6.50	9.19	14.78	2.58	4.37	8.21	11.41	18.52	-	4.87	8.67	12.83	21.51	-	9.08	13.29	23.20		
	16	1.62	2.98	6.05	8.72	14.21	2.11	3.87	7.71	10.89	17.95	-	4.35	8.17	12.28	20.91	-	8.58	12.75	22.59		
	24	0.77	2.11	5.18	7.82	13.12	1.23	2.92	6.74	9.89	16.85	-	3.36	7.21	11.23	19.74	-	7.63	11.72	21.42		
14	12	1.79	3.12	6.06	8.65	14.31	2.29	4.00	7.64	10.70	17.50	-	4.50	8.18	12.13	20.33	-	8.57	12.66	22.05		
	16	1.29	2.61	5.55	8.12	13.64	1.77	3.44	7.07	10.12	16.85	-	3.92	7.62	11.51	19.65	-	8.00	12.06	21.35		
	24	0.37	1.65	4.59	7.11	12.37	0.80	2.40	6.00	9.01	15.61	-	2.81	6.54	10.32	18.33	-	6.93	10.88	20.02		
16	12	1.24	2.47	5.10	7.44	12.43	1.69	3.23	6.42	9.19	15.27	-	3.73	7.19	10.66	17.81	-	7.47	11.32	19.62		
	16	0.66	1.87	4.50	6.81	11.63	1.08	2.57	5.76	8.50	14.49	-	3.02	6.49	9.90	16.98	-	6.78	10.55	18.76		
	24	-	0.76	3.40	5.62	10.14	-	1.37	4.54	7.20	13.01	-	1.73	5.20	8.49	15.41	-	5.50	9.12	17.13		
18	12	0.71	1.82	4.11	6.17	10.45	1.10	2.46	5.22	7.66	12.97	-	2.93	6.07	9.05	15.23	-	6.33	9.86	17.19		
	16	0.09*	1.15	3.46	5.47	9.55	0.44	1.74	4.50	6.89	12.09	-	2.14	5.28	8.19	14.29	-	5.55	8.98	16.18		
	24	-	-	2.28*	4.20	7.94	-	0.44*	3.20	5.50	10.48	-	0.71	3.84	6.63	12.56	-	4.12	7.35	14.33		
20	12	0.24*	1.21	3.19	4.96	8.54	0.57	1.75	4.11	6.22	10.77	-	2.17	4.94	7.39	12.75	-	5.22	8.22	14.61		
	16	-	0.52*	2.52	4.24	7.61	-	1.00	3.37	5.42	9.84	-	1.32	4.10	6.50	11.75	-	4.37	7.27	13.52		
	24	-	-	1.33*	2.94*	5.98	-	-	2.06*	4.00	8.19	-	-	2.60*	4.90	9.95	-	2.86	5.57	11.56		
22	12	-	0.68*	2.39	3.89	6.83	0.11*	1.13	3.14	4.93	8.76	-	1.46	3.80	5.90	10.46	-	4.22	6.73	12.06		
	16	-	-	1.73*	3.17	5.92	-	0.36*	2.41*	4.14	7.84	-	0.60*	2.97	5.01	9.46	-	3.34	5.76	10.96		
	24	-	-	0.57*	1.90*	4.33*	-	-	1.13*	2.75*	6.22	-	-	1.52*	3.44*	7.19*	-	1.79*	4.04*	9.01		
24	12	-	0.24*	1.74*	3.02	5.46	-	0.61*	2.35*	3.88	7.12	-	0.85*	2.87	4.66	8.54	-	3.31	5.43	9.88		
	16	-	-	1.10*	2.31*	4.58	-	-	1.64*	3.11*	6.22	-	-	2.07*	3.80	7.56	-	2.43*	4.47*	8.80		
	24	-	-	-	1.09*	3.04*	-	-	-	1.76*	4.65*	-	-	0.67*	2.28*	5.85*	-	0.89*	2.77*	6.90		

Maximum factored axial compressive resistance per stud (kips)

Wall Height (ft.)	O.C. (in.)	20 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(UNSHEATHED)								
		800S162 - (mils)						800S200 - (mils)						800S250 - (mils)						800S300 - (mils)					
			43	54	68	97		43	54	68	97		43	54	68	97		43	54	68	97				
8	12	-	4.58	7.60	10.22	15.98	-	6.15	10.87	14.52	22.72	-	6.75	11.48	16.68	28.12	-	11.96	17.07	30.69					
	16	-	4.46	7.48	10.11	15.86	-	6.01	10.72	14.38	22.59	-	6.59	11.33	16.53	27.96	-	11.82	16.92	30.52					
	24	-	4.21	7.26	9.89	15.63	-	5.71	10.44	14.11	22.31	-	6.29	11.05	16.23	27.64	-	11.53	16.62	30.19					
9	12	-	4.48	7.50	10.12	15.88	-	6.03	10.75	14.40	22.61	-	6.60	11.31	16.49	27.86	-	11.78	16.85	30.32					
	16	-	4.32	7.36	9.98	15.73	-	5.84	10.56	14.22	22.43	-	6.41	11.12	16.30	27.65	-	11.59	16.66	30.11					
	24	-	4.00	7.07	9.70	15.43	-	5.47	10.20	13.87	22.08	-	6.02	10.76	15.91	27.24	-	11.23	16.27	29.68					
10	12	-	4.36	7.39	10.02	15.77	-	5.89	10.60	14.27	22.47	-	6.43	11.10	16.27	27.55	-	11.56	16.59	29.88					
	16	-	4.16	7.21	9.84	15.58	-	5.66	10.37	14.04	22.25	-	6.19	10.88	16.02	27.29	-	11.33	16.35	29.61					
	24	-	3.77	6.85	9.49	15.20	-	5.20	9.92	13.60	21.80	-	5.72	10.42	15.54	26.78	-	10.88	15.87	29.08					
11	12	-	4.23	7.27	9.89	15.63	-	5.73	10.44	14.11	22.31	-	6.24	10.87	16.00	27.18	-	11.31	16.28	29.35					
	16	-	3.99	7.05	9.68	15.40	-	5.45	10.16	13.83	22.03	-	5.95	10.59	15.70	26.86	-	11.04	15.99	29.03					
	24	-	3.51	6.61	9.25	14.94	-	4.89	9.60	13.28	21.49	-	5.38	10.04	15.11	26.23	-	10.48	15.42	28.38					
12	12	-	4.08	7.13	9.76	15.48	-	5.56	10.26	13.93	22.13	-	6.03	10.60	15.69	26.74	-	11.03	15.93	28.74					
	16	-	3.79	6.87	9.50	15.20	-	5.22	9.92	13.60	21.79	-	5.69	10.27	15.34	26.36	-	10.70	15.58	28.35					
	24	-	3.23	6.34	8.98	14.65	-	4.56	9.25	12.93	21.13	-	5.01	9.62	14.63	25.60	-	10.04	14.90	27.58					
13	12	-	3.92	6.98	9.61	15.32	-	5.35	10.05	13.73	21.92	-	5.80	10.30	15.34	26.24	-	10.71	15.53	28.05					
	16	-	3.58	6.66	9.30	14.98	-	4.95	9.65	13.33	21.52	-	5.39	9.91	14.92	25.79	-	10.32	15.13	27.59					
	24	-	2.92	6.04	8.69	14.32	-	4.17	8.86	12.54	20.73	-	4.60	9.14	14.09	24.89	-	9.56	14.32	26.68					
14	12	-	3.74	6.81	9.43	15.13	-	5.09	9.69	13.40	21.68	-	5.54	9.95	14.87	25.53	-	10.36	15.09	27.27					
	16	-	3.35	6.44	9.07	14.73	-	4.64	9.23	12.94	21.21	-	5.07	9.51	14.39	25.00	-	9.91	14.62	26.74					
	24	-	2.59	5.72	8.36	13.95	-	3.75	8.32	12.03	20.27	-	4.17	8.63	13.43	23.96	-	9.03	13.70	25.68					
16	12	-	3.35	6.41	9.04	14.68	-	4.51	8.85	12.41	20.54	-	4.96	9.17	13.80	23.82	-	9.57	14.09	25.51					
	16	-	2.84	5.93	8.56	14.14	-	3.94	8.25	11.81	19.91	-	4.37	8.60	13.17	23.13	-	9.00	13.48	24.82					
	24	-	1.87	4.99	7.62	13.10	-	2.83	7.12	10.66	18.69	-	3.23	7.49	11.96	21.79	-	7.89	12.30	23.46					
18	12	-	2.90	5.95	8.56	14.12	-	3.86	7.86	11.22	18.87	-	4.32	8.28	12.58	21.84	-	8.69	13.01	23.54					
	16	-	2.28	5.34	7.94	13.43	-	3.18	7.16	10.50	18.10	-	3.60	7.59	11.82	21.00	-	7.99	12.26	22.68					
	24	-	1.10	4.18	6.76	12.10	-	1.89	5.82	9.13	16.62	-	2.26	6.26	10.36	19.38	-	6.66	10.83	21.03					
20	12	-	2.38	5.36	8.00	13.45	-	3.19	6.81	9.93	17.02	-	3.64	7.37	11.30	19.71	-	7.74	11.86	21.45					
	16	-	1.65	4.63	7.24	12.58	-	2.40	6.01	9.10	16.11	-	2.81	6.56	10.41	18.72	-	6.93	10.97	20.43					
	24	-	0.31	3.28	5.82	10.95	-	0.96	4.53	7.55	14.40	-	1.28	5.05	8.74	16.86	-	5.40	9.30	18.50					
22	12	-	1.79	4.50	6.94	12.28	-	2.51	5.76	8.62	15.08	-	2.95	6.48	10.01	17.52	-	6.77	10.66	19.32					
	16	-	1.00	3.71	6.11	11.27	-	1.66	4.90	7.71	14.07	-	2.03	5.57	9.01	16.42	-	5.86	9.64	18.17					
	24	-	-	2.27	4.57	9.41	-	0.11	3.32	6.04	12.21	-	0.36	3.89	7.17	14.37	-	4.18	7.76	16.01					
24	12	-	1.24	3.67	5.87	10.62	-	1.87	4.77	7.34	13.17	-	2.27	5.55	8.68	15.36	-	5.81	9.44	17.25					
	16	-	0.40*	2.85	4.99	9.55	-	0.97	3.87	6.39	12.09	-	1.29	4.56	7.61	14.18	-	4.82	8.32	15.98					
	24	-	-	1.37*	3.40	7.62	-	-	2.25*	4.65	10.13	-	-	2.78	5.67	12.02	-	3.03	6.29	13.65					

Wall Height (ft.)	O.C. (in.)	30 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(UNSHEATHED)			
		362S162 - (mils)					400S162 - (mils)					400S200 - (mils)					400S250 - (mils)			
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	43	54	68	97
8	12	1.77	2.87	5.08	6.81	10.29	2.04	3.24	5.77	7.96	12.05	2.56	4.15	7.39	10.07	14.90	4.71	8.10	11.51	17.43
	16	1.39	2.48	4.70	6.42	9.86	1.67	2.86	5.40	7.56	11.62	2.17	3.74	6.99	9.67	14.48	4.29	7.70	11.09	17.02
	24	0.67	1.73	3.98	5.67	9.02	0.97	2.13	4.69	6.80	10.77	1.43	2.96	6.23	8.89	13.66	3.46	6.92	10.26	16.21
9	12	1.39	2.43	4.46	6.04	9.22	1.67	2.82	5.20	7.26	11.04	2.16	3.67	6.69	9.21	13.70	4.23	7.52	10.70	16.10
	16	0.95	1.96	4.02	5.58	8.70	1.24	2.37	4.76	6.77	10.51	1.70	3.17	6.20	8.72	13.18	3.70	7.02	10.17	15.59
	24	-	1.10	3.19	4.70	7.71	-	1.51	3.91	5.85	9.49	0.82	2.24	5.29	7.79	12.18	2.71	6.06	9.16	14.60
10	12	1.01	1.97	3.83	5.24	8.08	1.29	2.38	4.59	6.49	9.49	1.75	3.15	5.93	8.29	12.40	3.70	6.81	9.74	14.66
	16	0.52	1.45	3.33	4.72	7.50	0.80	1.85	4.07	5.93	9.32	1.21	2.58	5.37	7.72	11.79	3.09	6.22	9.11	14.05
	24	-	0.50*	2.41	3.75	6.40	-	0.88	3.11	4.87	8.15	-	1.52	4.34	6.64	10.63	1.95	5.11	7.93	12.90
11	12	0.64	1.52	3.18	4.44	6.95	0.92	1.93	3.96	5.67	8.77	1.33	2.62	5.16	7.33	11.04	3.15	6.05	8.65	13.16
	16	-	0.96	2.65	3.88	6.32	0.38	1.35	3.39	5.04	8.09	0.74	1.99	4.54	6.69	10.36	2.46	5.38	7.95	12.48
	24	-	-	1.69*	2.86	5.16	-	-	2.35	3.90	6.81	-	0.84	3.42	5.52	9.09	1.21	4.15	6.65	11.19
12	12	0.31*	1.10	2.58	3.68	5.85	0.56	1.49	3.33	4.84	7.61	0.93	2.11	4.40	6.34	9.68	2.60	5.28	7.53	11.66
	16	-	0.52*	2.03	3.10	5.20	-	0.87	2.73	4.18	6.88	0.30*	1.43	3.75	5.66	8.95	1.86	4.56	6.78	10.92
	24	-	-	1.06*	2.07*	4.02	-	-	1.65*	2.99	5.54	-	-	2.57	4.43	7.61	0.52*	3.24	5.41	9.54
13	12	-	0.72*	2.05	3.01	4.89	0.24*	1.08	2.74	4.04	6.49	0.55*	1.62	3.68	5.40	8.38	2.06	4.46	6.46	10.20
	16	-	-	1.50*	2.43*	4.23	-	0.43*	2.12	3.37	5.74	-	0.92*	3.01	4.70	7.62	1.28	3.70	5.68	9.42
	24	-	-	0.54*	1.41*	3.06*	-	-	1.02*	2.18*	4.39	-	-	1.82*	3.45*	6.24	-	2.37*	4.29	7.99
14	12	-	0.39*	1.59*	2.44	4.06	-	0.70*	2.20	3.33	5.47	0.22*	1.18	3.02	4.53	7.15	1.55	3.69	5.46	8.80
	16	-	-	1.05*	1.86*	3.41	-	-	1.58*	2.66*	4.71	-	0.46*	2.35*	3.83	6.39	0.75*	2.94	4.67	8.01
	24	-	-	-	0.86*	2.26*	-	-	0.49*	1.48*	3.38*	-	-	1.17*	2.59*	5.02	-	1.60*	3.28*	6.58
16	12	-	-	0.88*	1.54*	2.77*	-	0.08*	1.34*	2.20*	3.83	-	0.44*	1.96*	3.13	5.19	0.68*	2.45*	3.83	6.53
	16	-	-	-	0.99*	2.15*	-	-	0.73*	1.55*	3.11*	-	-	1.31*	2.46*	4.44	-	1.71*	3.07*	5.74
	24	-	-	-	-	-	-	-	-	1.83*	-	-	-	-	1.27*	3.12*	-	-	1.73*	4.35*
18	12	-	-	-	-	1.84*	-	-	0.70*	1.37*	2.64*	-	-	1.18*	2.12*	3.74	-	1.53*	2.64*	4.83
	16	-	-	-	-	1.26*	-	-	-	-	1.96*	-	-	-	1.47*	3.03*	-	0.82*	1.91*	4.07*
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.78*	-	-	-	2.74*
20	12	-	-	-	-	-	-	-	-	-	1.78*	-	-	-	1.37*	2.68*	-	-	1.76*	3.56*
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00*	-	-	-	2.84*
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.88*	-	-	-	2.60*
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Maximum factored axial compressive resistance per stud (kips)

Wall Height (ft.)	O.C. (in.)	30 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(UNSHEATHED)					
		600S162 - (mils)					600S200 - (mils)						600S250 - (mils)					600S300 - (mils)				
		33	43	54	68	97	33	43	54	68	97		43	54	68	97		54	68	97		
8	12	2.85	4.26	7.49	10.14	15.73	3.46	5.52	10.06	13.66	21.78	-	5.99	10.34	15.20	25.53	-	10.77	15.42	27.31		
	16	2.58	4.00	7.24	9.89	15.45	3.18	5.22	9.76	13.36	21.47	-	5.69	10.05	14.89	25.20	-	10.48	15.12	26.98		
	24	2.04	3.48	6.75	9.41	14.89	2.63	4.63	9.18	12.78	20.85	-	5.09	9.49	14.28	24.54	-	9.91	14.53	26.31		
9	12	2.62	4.04	7.27	9.92	15.47	3.20	5.21	9.66	13.21	21.20	-	5.69	9.97	14.71	24.80	-	10.38	14.95	26.54		
	16	2.28	3.70	6.95	9.60	15.11	2.85	4.84	9.29	12.84	20.80	-	5.30	9.60	14.32	24.37	-	10.02	14.58	26.11		
	24	1.61	3.04	6.32	8.98	14.40	2.16	4.10	8.55	12.10	20.01	-	4.55	8.89	13.54	23.54	-	9.31	13.83	25.26		
10	12	2.36	3.78	7.01	9.66	15.17	2.91	4.87	9.20	12.68	20.49	-	5.34	9.53	14.14	23.94	-	9.95	14.42	25.64		
	16	1.94	3.37	6.62	9.26	14.71	2.48	4.41	8.74	12.22	20.00	-	4.87	9.09	13.66	23.41	-	9.50	13.95	25.11		
	24	1.13	2.56	5.84	8.48	13.81	1.65	3.52	7.84	11.31	19.02	-	3.96	8.21	12.70	22.37	-	8.63	13.03	24.07		
11	12	2.06	3.48	6.72	9.36	14.82	2.59	4.49	8.67	12.08	19.67	-	4.96	9.05	13.50	22.94	-	9.46	13.82	24.63		
	16	1.57	2.98	6.24	8.88	14.25	2.08	3.94	8.12	11.52	19.07	-	4.40	8.51	12.91	22.31	-	8.92	13.25	23.98		
	24	0.63	2.03	5.30	7.93	13.15	1.11	2.90	7.06	10.43	17.89	-	3.32	7.47	11.78	21.06	-	7.88	12.15	22.73		
12	12	1.74	3.13	6.32	9.02	14.41	2.25	4.07	8.09	11.39	18.73	-	4.54	8.51	12.78	21.83	-	8.92	13.18	23.50		
	16	1.17	2.56	5.75	8.44	13.72	1.66	3.44	7.45	10.74	18.01	-	3.89	7.88	12.10	21.08	-	8.29	12.52	22.75		
	24	0.11	1.47	4.66	7.31	12.40	0.56	2.25	6.23	9.48	16.63	-	2.65	6.68	10.78	19.62	-	7.09	11.22	21.27		
13	12	1.40	2.75	5.83	8.49	13.93	1.89	3.63	7.46	10.64	17.67	-	4.10	7.93	12.02	20.61	-	8.34	12.49	22.29		
	16	0.77	2.11	5.18	7.82	13.12	1.23	2.92	6.74	9.89	16.85	-	3.36	7.21	11.23	19.74	-	7.63	11.72	21.42		
	24	-	0.90	3.97	6.54	11.57	0.01	1.60	5.38	8.48	15.28	-	1.97	5.85	9.73	18.08	-	6.26	10.24	19.72		
14	12	1.06	2.37	5.31	7.86	13.32	1.52	3.17	6.80	9.84	16.53	-	3.64	7.34	11.21	19.31	-	7.73	11.76	21.01		
	16	0.37	1.65	4.59	7.11	12.37	0.80	2.40	6.00	9.01	15.61	-	2.81	6.54	10.32	18.33	-	6.93	10.88	20.02		
	24	-	0.34	3.27	5.70	10.61	-	0.95	4.52	7.45	13.86	-	1.29	5.04	8.66	16.48	-	5.41	9.22	18.12		
16	12	0.39	1.58	4.21	6.50	11.24	0.79	2.26	5.45	8.16	14.10	-	2.69	6.16	9.54	16.58	-	6.45	10.19	18.34		
	16	-	0.76	3.40	5.62	10.14	-	1.37	4.54	7.20	13.01	-	1.73	5.20	8.49	15.41	-	5.50	9.12	17.13		
	24	-	-	1.92*	4.03	8.12	-	-	2.90	5.45	11.01	-	-	3.45	6.56	13.26	-	3.74	7.16	14.88		
18	12	-	0.84	3.15	5.14	9.13	0.13*	1.40	4.16	6.53	11.67	-	1.77	4.90	7.78	13.84	-	5.18	8.55	15.70		
	16	-	-	2.28*	4.20	7.94	-	0.44*	3.20	5.50	10.48	-	0.71	3.84	6.63	12.56	-	4.12	7.35	14.33		
	24	-	-	0.75*	2.52*	5.83	-	-	1.50*	3.66*	8.35	-	-	1.96*	4.57	10.25	-	2.21*	5.19	11.84		
20	12	-	0.19*	2.21*	3.89	7.18	-	0.64*	3.03	5.05	9.41	-	0.93	3.70	6.08	11.28	-	3.98	6.82	13.01		
	16	-	-	1.33*	2.94*	5.98	-	-	2.06*	4.00	8.19	-	-	2.60*	4.90	9.95	-	2.86	5.57	11.56		
	24	-	-	-	1.27*	3.87*	-	-	0.37*	2.16*	6.04*	-	-	0.68*	2.83*	7.62	-	0.89*	3.35*	8.99		
22	12	-	-	1.42*	2.83*	5.50	-	0.01*	2.07*	3.77	7.41	-	0.19*	2.59*	4.60	8.99	-	2.93	5.31	10.45		
	16	-	-	0.57*	1.90*	4.33*	-	-	1.13*	2.75*	6.22	-	-	1.52*	3.44*	7.69	-	1.79*	4.04*	9.01		
	24	-	-	-	-	2.31*	-	-	-	0.97*	4.14*	-	-	-	1.44*	5.41*	-	-	1.84*	6.49*		
24	12	-	-	0.80*	1.99*	4.17*	-	-	1.32*	2.75*	5.80	-	-	1.70*	3.39*	7.11	-	2.02*	4.02*	8.30		
	16	-	-	-	1.09*	3.04*	-	-	-	1.76*	4.65*	-	-	0.67*	2.28*	5.85*	-	0.89*	2.77*	6.91		
	24	-	-	-	-	-	-	-	-	-	2.66*	-	-	-	-	3.66*	-	-	-	4.49*		

Wall Height (ft.)	O.C. (in.)	30 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(UNSHEATHED)					
		800S162 - (mils)					800S200 - (mils)					800S250 - (mils)					800S300 - (mils)					
		43	54	68	97		43	54	68	97		43	54	68	97		54	68	97			
8	12	-	4.39	7.43	10.05	15.80	-	5.93	10.65	14.31	22.52	-	6.52	11.26	16.45	27.88	-	11.75	16.84	30.44		
	16	-	4.21	7.26	9.89	15.63	-	5.71	10.44	14.11	22.31	-	6.29	11.05	16.23	27.64	-	11.53	16.62	30.19		
	24	-	3.83	6.92	9.56	15.28	-	5.28	10.01	13.69	21.90	-	5.84	10.62	15.77	27.16	-	11.09	16.17	29.69		
9	12	-	4.24	7.28	9.91	15.65	-	5.75	10.47	14.14	22.34	-	6.31	11.03	16.20	27.55	-	11.50	16.56	30.00		
	16	-	4.00	7.07	9.70	15.43	-	5.47	10.20	13.87	22.08	-	6.02	10.76	15.91	27.24	-	11.23	16.27	29.68		
	24	-	3.53	6.64	9.28	14.98	-	4.92	9.65	13.34	21.55	-	5.45	10.21	15.33	26.63	-	10.67	15.70	29.04		
10	12	-	4.06	7.12	9.75	15.48	-	5.54	10.26	13.93	22.13	-	6.08	10.76	15.90	27.16	-	11.22	16.23	29.48		
	16	-	3.77	6.85	9.49	15.20	-	5.20	9.92	13.60	21.80	-	5.72	10.42	15.54	26.78	-	10.88	15.87	29.08		
	24	-	3.18	6.32	8.97	14.64	-	4.51	9.24	12.93	21.14	-	5.01	9.75	14.82	26.01	-	10.20	15.17	28.28		
11	12	-	3.87	6.94	9.57	15.29	-	5.31	10.02	13.70	21.90	-	5.81	10.46	15.56	26.70	-	10.90	15.85	28.86		
	16	-	3.51	6.61	9.25	14.94	-	4.89	9.60	13.28	21.49	-	5.38	10.04	15.11	26.23	-	10.48	15.42	28.38		
	24	-	2.80	5.96	8.61	14.25	-	4.07	8.78	12.47	20.68	-	4.53	9.23	14.24	25.29	-	9.66	14.56	27.41		
12	12	-	3.65	6.73	9.37	15.06	-	5.05	9.75	13.43	21.63	-	5.52	10.11	15.16	26.17	-	10.53	15.41	28.16		
	16	-	3.23	6.34	8.98	14.65	-	4.56	9.25	12.93	21.13	-	5.01	9.62	14.63	25.60	-	10.04	14.90	27.58		
	24	-	2.39	5.56	8.22	13.82	-	3.58	8.27	11.96	20.15	-	4.00	8.65	13.59	24.48	-	9.07	13.88	26.43		
13	12	-	3.41	6.51	9.14	14.81	-	4.75	9.45	13.13	21.32	-	5.19	9.72	14.71	25.56	-	10.13	14.93	27.36		
	16	-	2.92	6.04	8.69	14.32	-	4.17	8.86	12.54	20.73	-	4.60	9.14	14.09	24.89	-	9.56	14.32	26.68		
	24	-	1.95	5.14	7.79	13.34	-	3.04	7.70	11.39	19.56	-	3.44	8.02	12.87	23.57	-	8.43	13.14	25.33		
14	12	-	3.16	6.26	8.89	14.53	-	4.41	9.00	12.71	20.97	-	4.84	9.28	14.15	24.74	-	9.69	14.39	26.47		
	16	-	2.59	5.72	8.36	13.95	-	3.75	8.32	12.03	20.27	-	4.17	8.63	13.43	23.96	-	9.03	13.70	25.68		
	24	-	1.49	4.67	7.32	12.81	-	2.47	7.00	10.70	18.90	-	2.85	7.35	12.04	22.43	-	7.75	12.34	24.13		
16	12	-	2.59	5.69	8.32	13.88	-	3.66	7.97	11.52	19.60	-	4.08	8.32	12.86	22.79	-	8.72	13.18	24.48		
	16	-	1.87	4.99	7.62	13.10	-	2.83	7.12	10.66	18.69	-	3.23	7.49	11.96	21.79	-	7.89	12.30	23.46		
	24	-	0.50	3.66	6.27	11.60	-	1.28	5.51	9.01	16.93	-	1.62	5.91	10.22	19.87	-	6.29	10.60	21.50		
18	12	-	1.97	5.04	7.64	13.09	-	2.85	6.81	10.15	17.72	-	3.26	7.25	11.45	20.58	-	7.65	11.90	22.26		
	16	-	1.10	4.18	6.76	12.10	-	1.89	5.82	9.13	16.62	-	2.26	6.26	10.36	19.38	-	6.66	10.83	21.03		
	24	-	-	2.58	5.11	10.22	-	0.11	3.97	7.20	14.52	-	0.39	4.42	8.32	17.09	-	4.78	8.79	18.67		
20	12	-	1.30	4.28	6.88	12.16	-	2.03	5.63	8.70	15.67	-	2.42	6.17	9.98	18.24	-	6.54	10.54	19.94		
	16	-	0.31	3.28	5.82	10.95	-	0.96	4.53	7.55	14.40	-	1.28	5.05	8.74	16.86	-	5.40	9.30	18.50		
	24	-	-	1.46*	3.89	8.70	-	-	2.52	5.44	12.05	-	-	2.98	6.45	14.28	-	3.29	6.98	15.82		
22	12	-	0.63	3.34	5.71	10.79	-	1.25	4.49	7.28	13.59	-	1.60	5.13	8.53	15.89	-	5.42	9.16	17.61		
	16	-	-	2.27	4.57	9.41	-	0.11	3.32	6.04	12.21	-	0.36	3.89	7.17	14.37	-	4.18	7.76	16.01		
	24	-	-	0.36*	2.52*	6.93	-	-	1.23*	3.81	9.69	-	-	1.66*	4.71	11.60	-	1.91*	5.23	13.08		
24	12	-	0.01*	2.46	4.57	9.04	-	0.54	3.44	5.93	11.58	-	0.82	4.09	7.10	13.61	-	4.35	7.79	15.38		
	16	-	-	1.37*	3.40	7.62	-	-	2.25*	4.65	10.13	-	-	2.78	5.67	12.02	-	3.03	6.29	13.65		
	24	-	-	-	1.31*	5.07*	-	-	0.13*	2.38*	7.54	-	-	0.45*	3.12*	9.15	-	0.66*	3.60*	10.56		

Wall Height (ft.)	O.C. (in.)	40 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(UNSHEATHED)			
		362S162 - (mils)					400S162 - (mils)					400S200 - (mils)					400S250 - (mils)			
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	43	54	68	97
8	12	1.39	2.48	4.70	6.42	9.86	1.67	2.86	5.40	7.56	11.62	2.17	3.74	6.99	9.67	14.48	4.29	7.70	11.09	17.02
	16	0.91	1.98	4.22	5.91	9.29	1.20	2.37	4.92	7.05	11.05	1.67	3.22	6.48	9.15	13.93	3.73	7.18	10.54	16.47
	24	-	1.03	3.30	4.95	8.21	-	1.44	4.01	6.06	9.96	-	2.21	5.49	8.14	12.86	2.67	6.17	9.46	15.41
9	12	0.95	1.96	4.02	5.58	8.70	1.24	2.37	4.76	6.77	10.51	1.70	3.17	6.20	8.72	13.18	3.70	7.02	10.17	15.59
	16	-	1.38	3.46	4.99	8.03	0.68	1.79	4.19	6.15	9.83	1.11	2.54	5.59	8.09	12.51	3.04	6.37	9.49	14.92
	24	-	-	2.41	3.88	6.78	-	0.71	3.11	4.98	8.53	-	1.36	4.42	6.90	11.22	1.78	5.15	8.19	13.64
10	12	0.52	1.45	3.33	4.72	7.50	0.80	1.85	4.07	5.93	9.32	1.21	2.58	5.37	7.72	11.79	3.09	6.22	9.11	14.05
	16	-	0.80	2.71	4.06	6.76	-	1.20	3.43	5.22	8.53	0.55	1.86	4.67	6.99	11.01	2.32	5.47	8.32	13.28
	24	-	-	1.58*	2.86	5.39	-	-	2.23	3.90	7.06	-	0.55	3.38	5.64	9.55	0.90	4.08	6.83	11.81
11	12	-	0.96	2.65	3.88	6.32	0.38	1.35	3.39	5.04	8.09	0.74	1.99	4.54	6.69	10.36	2.46	5.38	7.95	12.48
	16	-	-	2.00	3.18	5.53	-	0.63	2.68	4.27	7.22	-	1.21	3.78	5.89	9.50	1.61	4.55	7.07	11.61
	24	-	-	0.83*	1.94*	4.10	-	-	1.41*	2.87	5.64	-	-	2.40*	4.44	7.91	-	3.03	5.46	9.99
12	12	-	0.52*	2.03	3.10	5.20	-	0.87	2.73	4.18	6.88	0.30*	1.43	3.75	5.66	8.95	1.86	4.56	6.78	10.92
	16	-	-	1.37*	2.40*	4.40	-	-	1.99*	3.37	5.97	-	0.61*	2.95	4.83	8.04	0.94	3.66	5.85	9.98
	24	-	-	0.21*	1.15*	2.97*	-	-	0.68*	1.93*	4.34	-	-	1.52*	3.32*	6.38	-	2.06*	4.18	8.28
13	12	-	-	1.50*	2.43*	4.23	-	0.43*	2.12	3.37	5.74	-	0.92*	3.01	4.70	7.62	1.28	3.70	5.68	9.42
	16	-	-	0.84*	1.73*	3.44*	-	-	1.37*	2.56*	4.82	-	-	2.20*	3.85	6.68	-	2.79	4.73	8.45
	24	-	-	-	-	2.02*	-	-	-	1.12*	3.18*	-	-	0.76*	2.34*	5.01*	-	1.18*	3.04*	6.71
14	12	-	-	1.05*	1.86*	3.41	-	-	1.58*	2.66*	4.71	-	0.46*	2.35*	3.83	6.39	0.75*	2.94	4.67	8.01
	16	-	-	-	1.17*	2.63*	-	-	0.84*	1.86*	3.80	-	-	1.54*	2.98*	5.46	-	2.03*	3.73	7.04
	24	-	-	-	-	1.25*	-	-	-	-	2.20*	-	-	-	1.50*	3.80*	-	0.44*	2.06*	5.30*
16	12	-	-	-	0.99*	2.15*	-	-	0.73*	1.55*	3.11*	-	-	1.31*	2.46*	4.44	-	1.71*	3.07*	5.74
	16	-	-	-	-	1.40*	-	-	-	0.78*	2.24*	-	-	-	1.65*	3.54*	-	0.83*	2.16*	4.79*
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.97*	-	-	-	3.12*
18	12	-	-	-	-	1.26*	-	-	-	-	1.96*	-	-	-	1.47*	3.03*	-	0.82*	1.91*	4.07*
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.18*	-	-	-	3.16*
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00*	-	-	-	2.84*
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Wall Height (ft.)	O.C. (in.)	40 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(UNSHEATHED)			
		600S162 - (mils)					600S200 - (mils)					600S250 - (mils)					600S300 - (mils)			
		33	43	54	68	97	33	43	54	68	97		43	54	68	97		54	68	97
8	12	2.58	4.00	7.24	9.89	15.45	3.18	5.22	9.76	13.36	21.47	-	5.69	10.05	14.89	25.20	-	10.48	15.12	26.98
	16	2.22	3.65	6.91	9.57	15.08	2.81	4.82	9.37	12.97	21.06	-	5.29	9.67	14.48	24.76	-	10.10	14.73	26.53
	24	1.52	2.96	6.26	8.92	14.34	2.08	4.05	8.60	12.20	20.24	-	4.49	8.92	13.67	23.89	-	9.35	13.94	25.65
9	12	2.28	3.70	6.95	9.60	15.11	2.85	4.84	9.29	12.84	20.80	-	5.30	9.60	14.32	24.37	-	10.02	14.58	26.11
	16	1.83	3.26	6.53	9.18	14.63	2.39	4.34	8.79	12.34	20.27	-	4.80	9.12	13.80	23.81	-	9.54	14.07	25.54
	24	0.96	2.40	5.71	8.36	13.69	1.48	3.38	7.82	11.37	19.23	-	3.81	8.18	12.78	22.71	-	8.60	13.09	24.43
10	12	1.94	3.37	6.62	9.26	14.71	2.48	4.41	8.74	12.22	20.00	-	4.87	9.09	13.66	23.41	-	9.50	13.95	25.11
	16	1.40	2.83	6.10	8.74	14.11	1.92	3.81	8.14	11.61	19.34	-	4.26	8.50	13.02	22.72	-	8.92	13.33	24.41
	24	0.36	1.78	5.09	7.72	12.93	0.84	2.66	6.96	10.42	18.06	-	3.07	7.36	11.77	21.35	-	7.77	12.12	23.04
11	12	1.57	2.98	6.24	8.88	14.25	2.08	3.94	8.12	11.52	19.07	-	4.40	8.51	12.91	22.31	-	8.92	13.25	23.98
	16	0.93	2.34	5.61	8.24	13.51	1.43	3.24	7.41	10.79	18.28	-	3.67	7.81	12.15	21.47	-	8.22	12.51	23.14
	24	-	1.12	4.41	7.01	12.08	0.19	1.90	6.04	9.39	16.75	-	2.28	6.47	10.67	19.84	-	6.87	11.07	21.50
12	12	1.17	2.56	5.75	8.44	13.72	1.66	3.44	7.45	10.74	18.01	-	3.89	7.88	12.10	21.08	-	8.29	12.52	22.75
	16	0.46	1.82	5.02	7.68	12.83	0.92	2.64	6.63	9.89	17.09	-	3.06	7.07	11.21	20.10	-	7.48	11.65	21.76
	24	-	0.44	3.64	6.24	11.13	-	1.12	5.08	8.28	15.31	-	1.47	5.53	9.51	18.21	-	5.93	9.98	19.84
13	12	0.77	2.11	5.18	7.82	13.12	1.23	2.92	6.74	9.89	16.85	-	3.36	7.21	11.23	19.74	-	7.63	11.72	21.42
	16	-	1.29	4.36	6.95	12.07	0.41	2.03	5.82	8.94	15.79	-	2.42	6.30	10.22	18.62	-	6.70	10.73	20.28
	24	-	-	2.83	5.34	10.10	-	0.36	4.11	7.15	13.79	-	0.66	4.57	8.31	16.49	-	4.96	8.83	18.10
14	12	0.37	1.65	4.59	7.11	12.37	0.80	2.40	6.00	9.01	15.61	-	2.81	6.54	10.32	18.33	-	6.93	10.88	20.02
	16	-	0.76	3.69	6.15	11.18	-	1.42	5.00	7.96	14.43	-	1.78	5.53	9.20	17.08	-	5.90	9.76	18.74
	24	-	-	2.04	4.39	8.97	-	-	3.16	6.01	12.23	-	-	3.64	7.11	14.74	-	3.99	7.67	16.32
16	12	-	0.76	3.40	5.62	10.14	-	1.37	4.54	7.20	13.01	-	1.73	5.20	8.49	15.41	-	5.50	9.12	17.13
	16	-	-	2.39	4.54	8.77	-	0.27*	3.42	6.02	11.65	-	0.55	4.01	7.18	13.96	-	4.31	7.79	15.61
	24	-	-	0.59*	2.59*	6.31	-	-	1.42*	3.87	9.18	-	-	1.87*	4.81	11.30	-	2.14*	5.37	12.82
18	12	-	-	2.28*	4.20	7.94	-	0.44*	3.20	5.50	10.48	-	0.71	3.84	6.63	12.56	-	4.12	7.35	14.33
	16	-	-	1.23*	3.06*	6.50	-	-	2.04*	4.25	9.03	-	-	2.56*	5.23	10.99	-	2.82	5.88	12.63
	24	-	-	-	1.04*	3.96*	-	-	-	2.03*	6.45*	-	-	0.30*	2.74*	8.19	-	0.51*	3.25*	9.61
20	12	-	-	1.33*	2.94*	5.98	-	-	2.06*	4.00	8.19	-	-	2.60*	4.90	9.95	-	2.86	5.57	11.56
	16	-	-	0.29*	1.80*	4.54*	-	-	0.90*	2.75*	6.72	-	-	1.29*	3.49*	8.36	-	1.52*	4.05*	9.81
	24	-	-	-	-	2.04*	-	-	-	0.56*	4.16*	-	-	-	1.03*	5.56*	-	-	1.40*	6.73*
22	12	-	-	0.57*	1.90*	4.33*	-	-	1.13*	2.75*	6.22	-	-	1.52*	3.44*	7.69	-	1.79*	4.04*	9.01
	16	-	-	-	0.79*	2.94*	-	-	-	1.53*	4.79*	-	-	0.25*	2.07*	6.13*	-	0.43*	2.53*	7.29
	24	-	-	-	-	-	-	-	-	-	2.33*	-	-	-	-	3.43*	-	-	-	4.31*
24	12	-	-	-	1.09*	3.04*	-	-	-	1.76*	4.65*	-	-	0.67*	2.28*	5.85*	-	0.89*	2.77*	6.91
	16	-	-	-	-	1.71*	-	-	-	-	3.28*	-	-	-	0.97*	4.35*	-	-	1.31*	5.25*
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.41

Wall Height (ft.)	O.C. (in.)	50 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(UNSHEATHED)			
		600S162 - (mils)					600S200 - (mils)						600S250 - (mils)					600S300 - (mils)		
		33	43	54	68	97	33	43	54	68	97		43	54	68	97		54	68	97
8	12	2.31	3.74	6.99	9.65	15.17	2.90	4.92	9.47	13.07	21.16	-	5.39	9.77	14.58	24.87	-	10.20	14.83	26.64
	16	1.87	3.30	6.59	9.24	14.71	2.44	4.44	8.98	12.59	20.65	-	4.89	9.30	14.08	24.32	-	9.72	14.34	26.09
	24	1.00	2.45	5.78	8.44	13.80	1.54	3.48	8.02	11.63	19.63	-	3.91	8.37	13.07	23.24	-	8.79	13.36	25.00
9	12	1.94	3.37	6.63	9.29	14.75	2.50	4.47	8.91	12.46	20.40	-	4.92	9.24	13.93	23.95	-	9.66	14.20	25.69
	16	1.39	2.82	6.12	8.77	14.16	1.93	3.86	8.30	11.85	19.75	-	4.30	8.65	13.28	23.26	-	9.07	13.58	24.98
	24	0.33	1.77	5.10	7.75	12.99	0.82	2.68	7.11	10.65	18.46	-	3.08	7.49	12.02	21.89	-	7.90	12.35	23.60
10	12	1.53	2.96	6.23	8.87	14.26	2.06	3.96	8.29	11.76	19.51	-	4.41	8.65	13.18	22.89	-	9.06	13.49	24.59
	16	0.87	2.30	5.59	8.23	13.52	1.38	3.23	7.54	11.01	18.70	-	3.66	7.92	12.39	22.03	-	8.34	12.72	23.72
	24	-	1.03	4.35	6.98	12.07	0.07	1.82	6.11	9.55	17.12	-	2.20	6.52	10.86	20.35	-	6.93	11.23	22.03
11	12	1.09	2.50	5.77	8.40	13.70	1.59	3.41	7.59	10.97	18.48	-	3.85	7.99	12.34	21.68	-	8.40	12.70	23.35
	16	0.32	1.72	5.00	7.62	12.79	0.80	2.56	6.72	10.08	17.51	-	2.97	7.13	11.40	20.65	-	7.54	11.79	22.31
	24	-	0.25	3.54	6.13	11.04	-	0.94	5.05	8.37	15.64	-	1.28	5.49	9.60	18.66	-	5.89	10.03	20.30
12	12	0.63	2.00	5.20	7.87	13.05	1.10	2.84	6.83	10.10	17.32	-	3.26	7.27	11.43	20.34	-	7.68	11.86	22.00
	16	-	1.12	4.32	6.95	11.97	0.21	1.87	5.84	9.08	16.19	-	2.25	6.29	10.35	19.14	-	6.69	10.80	20.79
	24	-	-	2.66	5.22	9.92	-	0.06	3.97	7.14	14.03	-	0.35	4.43	8.29	16.85	-	4.81	8.77	18.46
13	12	0.17	1.49	4.57	7.17	12.33	0.61	2.25	6.05	9.17	16.05	-	2.65	6.52	10.47	18.90	-	6.93	10.97	20.56
	16	-	0.51	3.58	6.13	11.07	-	1.17	4.94	8.03	14.77	-	1.52	5.42	9.25	17.54	-	5.82	9.76	19.17
	24	-	-	1.77	4.20	8.72	-	-	2.91	5.89	12.37	-	-	3.36	6.96	14.98	-	3.72	7.49	16.55
14	12	-	0.98	3.91	6.39	11.47	0.13	1.66	5.25	8.21	14.72	-	2.03	5.78	9.48	17.39	-	6.16	10.04	19.05
	16	-	-	2.85	5.25	10.05	-	0.50	4.06	6.96	13.31	-	0.80	4.56	8.13	15.89	-	4.93	8.69	17.51
	24	-	-	0.91*	3.17	7.43	-	-	1.89*	4.66	10.69	-	-	2.33	5.65	13.09	-	2.65	6.19	14.62
16	12	-	0.01*	2.63	4.80	9.10	-	0.54	3.70	6.30	11.98	-	0.83	4.30	7.50	14.31	-	4.60	8.12	15.98
	16	-	-	1.46*	3.53	7.50	-	-	2.39*	4.91	10.38	-	-	2.91	5.96	12.59	-	3.20	6.55	14.18
	24	-	-	-	1.27*	4.65*	-	-	0.08*	2.42*	7.50	-	-	0.42*	3.20*	9.48	-	0.66*	3.71	10.90
18	12	-	-	1.49*	3.33*	6.85	-	-	2.32*	4.55	9.38	-	-	2.87	5.57	11.37	-	3.14	6.23	13.04
	16	-	-	0.28*	2.01*	5.18	-	-	0.98*	3.10*	7.69	-	-	1.39*	3.94*	9.54	-	1.63*	4.52	11.07
	24	-	-	-	-	2.27*	-	-	-	0.56*	4.72*	-	-	-	1.09*	6.32*	-	-	1.49*	7.57
20	12	-	-	0.54*	2.07*	4.89*	-	-	1.18*	3.05*	7.07	-	-	1.61*	3.83*	8.74	-	1.84*	4.42	10.23
	16	-	-	-	0.76*	3.24*	-	-	-	1.61*	5.39*	-	-	0.10*	2.21*	6.90*	-	0.29*	2.67*	8.21
	24	-	-	-	-	-	-	-	-	-	2.47*	-	-	-	-	3.71*	-	-	-	4.69*
22	12	-	-	-	1.06*	3.28*	-	-	0.28*	1.82*	5.13*	-	-	0.55*	2.40*	6.50*	-	0.76*	2.90*	7.70
	16	-	-	-	-	1.70*	-	-	-	-	3.51*	-	-	-	0.83*	4.72*	-	-	1.18*	5.74*
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.34*
24	12	-	-	-	-	2.03*	-	-	-	-	3.61*	-	-	-	-	4.71*	-	-	1.66*	5.65*
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00*	-	-	-	3.77*
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Wall Height (ft.)	O.C. (in.)	50 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(UNSHEATHED)			
		800S162 - (mils)					800S200 - (mils)					800S250 - (mils)					800S300 - (mils)			
		43	54	68	97		43	54	68	97		43	54	68	97		54	68	97	
8	12	-	4.02	7.09	9.72	15.45	-	5.49	10.22	13.90	22.11	-	6.06	10.83	16.00	27.40	-	11.31	16.39	29.94
	16	-	3.71	6.81	9.45	15.16	-	5.13	9.87	13.55	21.77	-	5.69	10.47	15.62	27.00	-	10.95	16.02	29.52
	24	-	3.09	6.24	8.90	14.58	-	4.41	9.16	12.86	21.09	-	4.94	9.76	14.87	26.20	-	10.23	15.28	28.69
9	12	-	3.76	6.85	9.49	15.20	-	5.19	9.92	13.60	21.81	-	5.73	10.48	15.62	26.94	-	10.95	15.99	29.36
	16	-	3.37	6.49	9.14	14.83	-	4.73	9.47	13.16	21.37	-	5.26	10.03	15.14	26.43	-	10.49	15.51	28.83
	24	-	2.59	5.78	8.44	14.08	-	3.82	8.57	12.28	20.50	-	4.31	9.13	14.18	25.41	-	9.58	14.57	27.77
10	12	-	3.47	6.58	9.23	14.92	-	4.85	9.58	13.26	21.47	-	5.36	10.09	15.18	26.39	-	10.54	15.52	28.68
	16	-	2.99	6.14	8.79	14.45	-	4.29	9.01	12.71	20.92	-	4.78	9.52	14.58	25.76	-	9.97	14.93	28.02
	24	-	2.03	5.26	7.93	13.52	-	3.17	7.90	11.62	19.83	-	3.62	8.42	13.40	24.49	-	8.85	13.77	26.71
11	12	-	3.16	6.28	8.93	14.60	-	4.48	9.19	12.88	21.08	-	4.95	9.63	14.68	25.76	-	10.07	14.99	27.89
	16	-	2.57	5.74	8.40	14.02	-	3.79	8.50	12.20	20.41	-	4.25	8.96	13.95	24.98	-	9.39	14.28	27.09
	24	-	1.43	4.68	7.36	12.90	-	2.46	7.16	10.88	19.08	-	2.87	7.63	12.52	23.45	-	8.05	12.88	25.51
12	12	-	2.81	5.95	8.60	14.23	-	4.06	8.76	12.45	20.64	-	4.50	9.13	14.11	25.04	-	9.56	14.39	27.00
	16	-	2.12	5.31	7.97	13.55	-	3.26	7.94	11.64	19.83	-	3.68	8.33	13.25	24.11	-	8.75	13.55	26.05
	24	-	0.79	4.06	6.73	12.20	-	1.70	6.35	10.06	18.23	-	2.07	6.78	11.56	22.28	-	7.18	11.90	24.17
13	12	-	2.43	5.59	8.23	13.82	-	3.60	8.27	11.96	20.14	-	4.02	8.58	13.48	24.23	-	8.99	13.73	26.00
	16	-	1.64	4.84	7.49	13.01	-	2.68	7.32	11.02	19.17	-	3.07	7.66	12.47	23.13	-	8.06	12.75	24.88
	24	-	0.11	3.39	6.05	11.43	-	0.90	5.49	9.18	17.29	-	1.24	5.87	10.52	21.00	-	6.26	10.85	22.70
14	12	-	2.03	5.19	7.83	13.38	-	3.10	7.65	11.36	19.58	-	3.50	7.98	12.73	23.19	-	8.39	13.01	24.90
	16	-	1.13	4.33	6.98	12.43	-	2.06	6.58	10.27	18.45	-	2.43	6.93	11.58	21.93	-	7.33	11.90	23.62
	24	-	-	2.69	5.32	10.60	-	0.07	4.52	8.17	16.26	-	0.38	4.92	9.37	19.50	-	5.29	9.74	21.13
16	12	-	1.18	4.32	6.94	12.34	-	2.04	6.30	9.82	17.80	-	2.42	6.69	11.08	20.82	-	7.08	11.44	22.47
	16	-	0.07	3.24	5.84	11.11	-	0.78	4.99	8.47	16.36	-	1.11	5.40	9.66	19.24	-	5.78	10.05	20.86
	24	-	-	1.21	3.76	8.77	-	-	2.55	5.95	13.63	-	-	2.98	6.98	16.25	-	3.31	7.40	17.78
18	12	-	0.28	3.36	5.92	11.14	-	0.97	4.88	8.15	15.55	-	1.30	5.32	9.32	18.21	-	5.70	9.79	19.83
	16	-	-	2.07	4.59	9.62	-	-	3.39	6.60	13.85	-	-	3.83	7.67	16.36	-	4.18	8.14	17.92
	24	-	-	-	2.13*	6.79	-	-	0.69*	3.75	10.70	-	-	1.09	4.62	12.91	-	1.37	5.08	14.34
20	12	-	-	2.34	4.83	9.80	-	-	3.50	6.47	13.20	-	0.22	3.99	7.57	15.54	-	4.32	8.11	17.13
	16	-	-	0.89*	3.29	8.00	-	-	1.90	4.78	11.31	-	-	2.34	5.73	13.47	-	2.63	6.25	14.97
	24	-	-	-	0.52*	4.75*	-	-	-	1.73*	7.89	-	-	-	2.43*	9.71	-	-	2.86	11.02
22	12	-	-	1.29*	3.52	8.13	-	-	2.24	4.89	10.91	-	-	2.74	5.90	12.95	-	3.01	6.46	14.50
	16	-	-	-	1.89*	6.17	-	-	0.59*	3.12*	8.91	-	-	0.97*	3.95	10.75	-	1.20*	4.44	12.17
	24	-	-	-	-	2.68*	-	-	-	-	5.34*	-	-	-	0.48*	6.82*	-	-	0.84*	7.97
24	12	-	-	0.37*	2.32*	6.30	-	-	1.15*	3.48*	8.79	-	-	1.58*	4.35	10.54	-	1.80*	4.90	12.06
	16	-	-	-	0.68*	4.30*	-	-	-	1.69*	6.74*	-	-	-	2.34*	8.28	-	-	2.78*	9.61
	24	-	-	-	-	0.80*	-	-	-	-	3.14*	-	-	-	-	4.30*	-	-	-	5.28*

Wall Height (ft.)	O.C. (in.)	60 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"																	(UNSHEATHED)			
		362S162 - (mils)					400S162 - (mils)					400S200 - (mils)					400S250 - (mils)					
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	43	54	68	97		
8	12	0.67	1.73	3.98	5.67	9.02	0.97	2.13	4.69	6.80	10.77	1.43	2.96	6.23	8.89	13.66	3.46	6.92	10.26	16.21		
	16	-	1.03	3.30	4.95	8.21	-	1.44	4.01	6.06	9.96	-	2.21	5.49	8.14	12.86	2.67	6.17	9.46	15.41		
	24	-	-	2.03	3.60	6.69	-	-	2.72	4.66	8.40	-	-	4.09	6.71	11.32	-	4.73	7.93	13.88		
9	12	-	1.10	3.19	4.70	7.71	-	1.51	3.91	5.85	9.49	0.82	2.24	5.29	7.79	12.18	2.71	6.06	9.16	14.60		
	16	-	-	2.41	3.88	6.78	-	0.71	3.11	4.98	8.53	-	1.36	4.42	6.90	11.22	1.78	5.15	8.19	13.64		
	24	-	-	1.01*	2.38*	5.07	-	-	1.64	3.37	6.72	-	-	2.82	5.24	9.42	-	3.47	6.38	11.83		
10	12	-	0.50*	2.41	3.75	6.40	-	0.88	3.11	4.87	8.15	-	1.52	4.34	6.64	10.63	1.95	5.11	7.93	12.90		
	16	-	-	1.58*	2.86	5.39	-	-	2.23	3.90	7.06	-	0.55	3.38	5.64	9.55	0.90	4.08	6.83	11.81		
	24	-	-	-	1.27*	3.56*	-	-	0.64*	2.14*	5.07	-	-	1.64*	3.82	7.54	-	2.20*	4.81	9.76		
11	12	-	-	1.69*	2.86	5.16	-	-	2.35	3.90	6.81	-	0.84	3.42	5.52	9.09	1.21	4.15	6.65	11.19		
	16	-	-	0.83*	1.94*	4.10	-	-	1.41*	2.87	5.64	-	-	2.40*	4.44	7.91	-	3.03	5.46	9.99		
	24	-	-	-	0.32*	2.23*	-	-	-	1.02*	3.55*	-	-	-	2.51*	5.78	-	1.03*	3.31*	7.80		
12	12	-	-	1.06*	2.07*	4.02	-	-	1.65*	2.99	5.54	-	-	2.57	4.43	7.61	0.52*	3.24	5.41	9.54		
	16	-	-	0.21*	1.15*	2.97*	-	-	0.68*	1.93*	4.34	-	-	1.52*	3.32*	6.38	-	2.06*	4.18	8.28		
	24	-	-	-	-	1.11*	-	-	-	-	2.21*	-	-	-	1.36*	4.19*	-	-	1.99*	6.00*		
13	12	-	-	0.54*	1.41*	3.06*	-	-	1.02*	2.18*	4.39	-	-	1.82*	3.45*	6.24	-	2.37*	4.29	7.99		
	16	-	-	-	-	2.02*	-	-	-	1.12*	3.18*	-	-	0.76*	2.34*	5.01*	-	1.18*	3.04*	6.71		
	24	-	-	-	-	-	-	-	-	-	1.08*	-	-	-	-	2.82*	-	-	0.86*	4.41*		
14	12	-	-	-	0.86*	2.26*	-	-	0.49*	1.48*	3.38*	-	-	1.17*	2.59*	5.02	-	1.60*	3.28*	6.58		
	16	-	-	-	-	1.25*	-	-	-	-	2.20*	-	-	-	1.50*	3.80*	-	0.44*	2.06*	5.30*		
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.67*	-	-	-	3.05*		
16	12	-	-	-	-	-	-	-	-	-	1.83*	-	-	-	1.27*	3.12*	-	-	1.73*	4.35*		
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.97*	-	-	-	3.12*		
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
18	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.78*	-	-	-	2.74*		
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
20	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
22	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
24	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Wall Height (ft.)	O.C. (in.)	60 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(UNSHEATHED)			
		600S162 - (mils)					600S200 - (mils)						600S250 - (mils)					600S300 - (mils)		
		33	43	54	68	97	33	43	54	68	97		43	54	68	97		54	68	97
8	12	2.04	3.48	6.75	9.41	14.89	2.63	4.63	9.18	12.78	20.85	-	5.09	9.49	14.28	24.54	-	9.91	14.53	26.31
	16	1.52	2.96	6.26	8.92	14.34	2.08	4.05	8.60	12.20	20.24	-	4.49	8.92	13.67	23.89	-	9.35	13.94	25.65
	24	0.50	1.95	5.31	7.97	13.26	1.01	2.91	7.46	11.06	19.03	-	3.33	7.82	12.47	22.60	-	8.24	12.78	24.35
9	12	1.61	3.04	6.32	8.98	14.40	2.16	4.10	8.55	12.10	20.01	-	4.55	8.89	13.54	23.54	-	9.31	13.83	25.26
	16	0.96	2.40	5.71	8.36	13.69	1.48	3.38	7.82	11.37	19.23	-	3.81	8.18	12.78	22.71	-	8.60	13.09	24.43
	24	-	1.15	4.51	7.16	12.30	0.18	1.98	6.41	9.94	17.70	-	2.37	6.80	11.28	21.08	-	7.21	11.63	22.78
10	12	1.13	2.56	5.84	8.48	13.81	1.65	3.52	7.84	11.31	19.02	-	3.96	8.21	12.70	22.37	-	8.63	13.03	24.07
	16	0.36	1.78	5.09	7.72	12.93	0.84	2.66	6.96	10.42	18.06	-	3.07	7.36	11.77	21.35	-	7.77	12.12	23.04
	24	-	0.30	3.64	6.25	11.22	-	1.01	5.28	8.70	16.20	-	1.36	5.70	9.96	19.37	-	6.10	10.36	21.03
11	12	0.63	2.03	5.30	7.93	13.15	1.11	2.90	7.06	10.43	17.89	-	3.32	7.47	11.78	21.06	-	7.88	12.15	22.73
	16	-	1.12	4.41	7.01	12.08	0.19	1.90	6.04	9.39	16.75	-	2.28	6.47	10.67	19.84	-	6.87	11.07	21.50
	24	-	-	2.71	5.27	10.03	-	0.01	4.10	7.39	14.55	-	0.32	4.55	8.56	17.51	-	4.93	9.00	19.12
12	12	0.11	1.47	4.66	7.31	12.40	0.56	2.25	6.23	9.48	16.63	-	2.65	6.68	10.78	19.62	-	7.09	11.22	21.27
	16	-	0.44	3.64	6.24	11.13	-	1.12	5.08	8.28	15.31	-	1.47	5.53	9.51	18.21	-	5.93	9.98	19.84
	24	-	-	1.73	4.23	8.74	-	-	2.92	6.03	12.80	-	-	3.37	7.12	15.54	-	3.73	7.61	17.11
13	12	-	0.90	3.97	6.54	11.57	0.01	1.60	5.38	8.48	15.28	-	1.97	5.85	9.73	18.08	-	6.26	10.24	19.72
	16	-	-	2.83	5.34	10.10	-	0.36	4.11	7.15	13.79	-	0.66	4.57	8.31	16.49	-	4.96	8.83	18.10
	24	-	-	0.76*	3.12	7.40	-	-	1.77	4.69	11.01	-	-	2.20	5.67	13.52	-	2.54	6.19	15.05
14	12	-	0.34	3.27	5.70	10.61	-	0.95	4.52	7.45	13.86	-	1.29	5.04	8.66	16.48	-	5.41	9.22	18.12
	16	-	-	2.04	4.39	8.97	-	-	3.16	6.01	12.23	-	-	3.64	7.11	14.74	-	3.99	7.67	16.32
	24	-	-	-	2.02*	5.99	-	-	0.69*	3.39	9.24	-	-	1.09*	4.27	11.53	-	1.38*	4.79	12.99
16	12	-	-	1.92*	4.03	8.12	-	-	2.90	5.45	11.01	-	-	3.45	6.56	13.26	-	3.74	7.16	14.88
	16	-	-	0.59*	2.59*	6.31	-	-	1.42*	3.87	9.18	-	-	1.87*	4.81	11.30	-	2.14*	5.37	12.82
	24	-	-	-	0.05*	3.10*	-	-	-	1.07*	5.93*	-	-	-	1.71*	7.78	-	-	2.15*	9.09
18	12	-	-	0.75*	2.52*	5.83	-	-	1.50*	3.66*	8.35	-	-	1.96*	4.57	10.25	-	2.21*	5.19	11.84
	16	-	-	-	1.04*	3.96*	-	-	-	2.03*	6.45*	-	-	0.30*	2.74*	8.19	-	0.51*	3.25*	9.61
	24	-	-	-	-	0.72*	-	-	-	-	3.13*	-	-	-	4.58*	-	-	-	-	5.69*
20	12	-	-	-	1.27*	3.87*	-	-	0.37*	2.16*	6.04*	-	-	0.68*	2.83*	7.62	-	0.89*	3.35*	8.99
	16	-	-	-	-	2.04*	-	-	-	0.56*	4.16*	-	-	-	1.03*	5.56*	-	-	1.40*	6.73*
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.01*	-	-	-	2.82*
22	12	-	-	-	-	2.31*	-	-	-	0.97*	4.14*	-	-	-	1.44*	5.41*	-	-	1.84*	6.49*
	16	-	-	-	-	-	-	-	-	-	2.33*	-	-	-	-	3.43*	-	-	-	4.31*
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	12	-	-	-	-	-	-	-	-	-	2.66*	-	-	-	-	3.66*	-	-	-	4.49*
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.41*
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes: Loads without asterisks do not exceed $L/360$ deflection under wind alone. Loads with asterisks do not exceed $L/180$ deflection under wind alone.

Wall Height (ft.)	O.C. (in.)	60 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48" (UNSHEATHED)															
		800S162 - (mils)				800S200 - (mils)				800S250 - (mils)				800S300 - (mils)			
		43	54	68	97	43	54	68	97	43	54	68	97	54	68	97	
8	12	-	3.83	6.92	9.56	15.28	-	5.28	10.01	13.69	21.90	-	5.84	10.62	15.77	27.16	-
	16	-	3.46	6.58	9.23	14.93	-	4.84	9.58	13.27	21.49	-	5.39	10.19	15.32	26.68	-
	24	-	2.72	5.91	8.57	14.23	-	3.98	8.74	12.45	20.68	-	4.49	9.34	14.42	25.73	-
9	12	-	3.53	6.64	9.28	14.98	-	4.92	9.65	13.34	21.55	-	5.45	10.21	15.33	26.63	-
	16	-	3.06	6.21	8.86	14.53	-	4.37	9.11	12.81	21.03	-	4.88	9.67	14.75	26.02	-
	24	-	2.13	5.36	8.03	13.64	-	3.28	8.03	11.75	19.98	-	3.75	8.59	13.61	24.80	-
10	12	-	3.18	6.32	8.97	14.64	-	4.51	9.24	12.93	21.14	-	5.01	9.75	14.82	26.01	-
	16	-	2.61	5.79	8.45	14.08	-	3.84	8.57	12.27	20.49	-	4.31	9.08	14.10	25.25	-
	24	-	1.47	4.74	7.42	12.97	-	2.51	7.24	10.97	19.19	-	2.94	7.76	12.69	23.74	-
11	12	-	2.80	5.96	8.61	14.25	-	4.07	8.78	12.47	20.68	-	4.53	9.23	14.24	25.29	-
	16	-	2.11	5.32	7.98	13.57	-	3.26	7.96	11.67	19.87	-	3.69	8.42	13.38	24.37	-
	24	-	0.76	4.06	6.74	12.23	-	1.68	6.37	10.09	18.29	-	2.06	6.85	11.68	22.54	-
12	12	-	2.39	5.56	8.22	13.82	-	3.58	8.27	11.96	20.15	-	4.00	8.65	13.59	24.48	-
	16	-	1.58	4.80	7.47	13.00	-	2.63	7.30	11.00	19.18	-	3.03	7.71	12.57	23.37	-
	24	-	0.01	3.33	6.00	11.40	-	0.79	5.43	9.14	17.29	-	1.14	5.87	10.57	21.20	-
13	12	-	1.95	5.14	7.79	13.34	-	3.04	7.70	11.39	19.56	-	3.44	8.02	12.87	23.57	-
	16	-	1.02	4.25	6.91	12.38	-	1.95	6.58	10.27	18.41	-	2.32	6.93	11.68	22.27	-
	24	-	-	2.55	5.21	10.50	-	-	4.43	8.11	16.18	-	0.18	4.83	9.38	19.74	-
14	12	-	1.49	4.67	7.32	12.81	-	2.47	7.00	10.70	18.90	-	2.85	7.35	12.04	22.43	-
	16	-	0.43	3.66	6.31	11.69	-	1.25	5.74	9.42	17.56	-	1.59	6.12	10.68	20.95	-
	24	-	-	1.74	4.36	9.53	-	-	3.34	6.97	14.99	-	-	3.76	8.09	18.08	-
16	12	-	0.50	3.66	6.27	11.60	-	1.28	5.51	9.01	16.93	-	1.62	5.91	10.22	19.87	-
	16	-	-	2.41	4.99	10.16	-	-	3.99	7.44	15.24	-	0.11	4.41	8.56	18.02	-
	24	-	-	0.07*	2.59	7.43	-	-	1.18	4.52	12.07	-	-	1.61	5.46	14.54	-
18	12	-	-	2.58	5.11	10.22	-	0.11	3.97	7.20	14.52	-	0.39	4.42	8.32	17.09	-
	16	-	-	1.10*	3.58	8.45	-	-	2.27	5.42	12.56	-	-	2.70	6.41	14.94	-
	24	-	-	-	0.77*	5.21	-	-	-	2.17*	8.95	-	-	-	2.92	10.98	-
20	12	-	-	1.46*	3.89	8.70	-	-	2.52	5.44	12.05	-	-	2.98	6.45	14.28	-
	16	-	-	-	2.14*	6.65	-	-	0.71*	3.51	9.89	-	-	1.10*	4.36	11.92	-
	24	-	-	-	-	2.97*	-	-	-	0.07*	6.01*	-	-	-	0.62*	7.64	-
22	12	-	-	0.36*	2.52*	6.93	-	-	1.23*	3.81	9.69	-	-	1.66*	4.71	11.60	-
	16	-	-	-	0.70*	4.71*	-	-	-	1.81*	7.42	-	-	-	2.50*	9.11	-
	24	-	-	-	-	0.81*	-	-	-	-	3.41*	-	-	-	-	4.68*	-
24	12	-	-	-	1.31*	5.07*	-	-	0.13*	2.38*	7.54	-	-	0.45*	3.12*	9.15	-
	16	-	-	-	-	2.83*	-	-	-	0.37*	5.23*	-	-	-	0.87*	6.61*	-
	24	-	-	-	-	-	-	-	-	-	1.21*	-	-	-	-	2.16*	-

Wall Height (ft.)	O.C. (in.)	70 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"																(UNSHEATHED)			
		362S162 - (mils)				400S162 - (mils)					400S200 - (mils)					400S250 - (mils)					
		43	54	68	97	33	43	54	68	97	33	43	54	68	97	43	54	68	97		
8	12	-	1.38	3.64	5.30	8.61	0.63	1.78	4.35	6.43	10.36	1.07	2.58	5.85	8.51	13.25	3.07	6.54	9.86	15.81	
	16	-	-	2.87	4.49	7.69	-	1.00	3.57	5.58	9.43	-	1.72	5.01	7.65	12.33	2.17	5.68	8.94	14.90	
	24	-	-	1.44*	2.97	5.97	-	-	2.12	4.00	7.66	-	-	3.43	6.03	10.58	-	4.05	7.19	13.14	
9	12	-	0.70	2.79	4.28	7.24	-	1.10	3.51	5.41	9.00	-	1.79	4.85	7.34	11.70	2.24	5.60	8.67	14.11	
	16	-	-	1.93	3.36	6.19	-	-	2.61	4.43	7.91	-	0.81	3.87	6.33	10.61	1.19	4.57	7.57	13.02	
	24	-	-	-	1.68*	4.27	-	-	0.96*	2.62	5.86	-	-	2.08	4.46	8.56	-	2.67	5.52	10.96	
10	12	-	-	1.99	3.30	5.89	-	-	2.66	4.38	7.60	-	1.03	3.85	6.14	10.08	1.42	4.59	7.37	12.35	
	16	-	-	1.06*	2.31*	4.75	-	-	1.68*	3.29	6.37	-	-	2.77	5.01	8.86	-	3.43	6.13	11.10	
	24	-	-	-	0.54*	2.72*	-	-	-	1.33*	4.15	-	-	-	2.97*	6.60	-	1.33*	3.87	8.81	
11	12	-	-	1.25*	2.39*	4.62	-	-	1.87*	3.37	6.22	-	-	2.90	4.97	8.49	0.63	3.58	6.04	10.58	
	16	-	-	0.31*	1.37*	3.45*	-	-	0.83*	2.22*	4.91	-	-	1.76*	3.77	7.17	-	2.33*	4.71	9.23	
	24	-	-	-	-	1.38*	-	-	-	-	2.59*	-	-	-	1.63*	4.80*	-	-	2.33*	6.78	
12	12	-	-	0.62*	1.60*	3.48*	-	-	1.15*	2.45*	4.93	-	-	2.03*	3.86	6.98	-	2.64*	4.78	8.89	
	16	-	-	-	0.59*	2.32*	-	-	-	1.28*	3.59*	-	-	0.87*	2.64*	5.62	-	1.34*	3.41*	7.48	
	24	-	-	-	-	-	-	-	-	-	1.25*	-	-	-	-	3.20*	-	-	1.00*	4.96*	
13	12	-	-	-	0.94*	2.53*	-	-	0.53*	1.63*	3.77*	-	-	1.28*	2.88*	5.61	-	1.76*	3.65*	7.34	
	16	-	-	-	-	1.39*	-	-	-	0.47*	2.44*	-	-	-	1.65*	4.24*	-	-	2.27*	5.90	
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.84*	-	-	-	3.38*	
14	12	-	-	-	-	1.74*	-	-	-	0.95*	2.77*	-	-	0.63*	2.03*	4.39*	-	1.00*	2.65*	5.93	
	16	-	-	-	-	-	-	-	-	-	1.48*	-	-	-	0.83*	3.05*	-	-	1.31*	4.51*	
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.03*	
16	12	-	-	-	-	-	-	-	-	-	1.26*	-	-	-	-	2.53*	-	-	1.14*	3.72*	
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.37*	
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.14*	
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Notes: Loads without asterisks do not exceed L/360 deflection under wind alone. Loads with asterisks do not exceed L/180 deflection under wind alone.

Wall Height (ft.)	O.C. (in.)	70 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(UNSHEATHED)					
		600S162 - (mils)					600S200 - (mils)						600S250 - (mils)					600S300 - (mils)				
		33	43	54	68	97	33	43	54	68	97		43	54	68	97		54	68	97		
8	12	1.78	3.22	6.50	9.16	14.62	2.35	4.34	8.89	12.49	20.55	-	4.79	9.20	13.97	24.21	-	9.63	14.24	25.98		
	16	1.17	2.62	5.94	8.60	13.98	1.72	3.67	8.21	11.82	19.83	-	4.10	8.55	13.27	23.45	-	8.98	13.56	25.22		
	24	-	1.46	4.84	7.50	12.72	0.49	2.36	6.90	10.50	18.43	-	2.75	7.27	11.88	21.96	-	7.69	12.21	23.70		
9	12	1.28	2.72	6.01	8.67	14.04	1.82	3.74	8.18	11.73	19.62	-	4.18	8.53	13.16	23.12	-	8.95	13.45	24.85		
	16	0.53	1.97	5.30	7.96	13.22	1.04	2.91	7.35	10.89	18.72	-	3.32	7.72	12.27	22.16	-	8.13	12.60	23.88		
	24	-	0.54	3.93	6.57	11.62	-	1.31	5.72	9.24	16.95	-	1.67	6.13	10.54	20.28	-	6.54	10.92	21.97		
10	12	0.74	2.17	5.46	8.10	13.37	1.24	3.08	7.40	10.86	18.54	-	3.51	7.78	12.23	21.86	-	8.19	12.57	23.55		
	16	-	1.28	4.59	7.23	12.36	0.32	2.10	6.39	9.84	17.43	-	2.49	6.80	11.16	20.68	-	7.21	11.53	22.36		
	24	-	-	2.94	5.54	10.39	-	0.22	4.47	7.87	15.29	-	0.54	4.90	9.09	18.40	-	5.29	9.50	20.05		
11	12	0.18	1.57	4.85	7.47	12.61	0.64	2.39	6.54	9.91	17.32	-	2.79	6.96	11.22	20.45	-	7.37	11.61	22.11		
	16	-	0.54	3.83	6.42	11.38	-	1.25	5.38	8.71	16.00	-	1.61	5.81	9.96	19.05	-	6.21	10.37	20.70		
	24	-	-	1.90	4.43	9.05	-	-	3.18	6.43	13.50	-	-	3.63	7.55	16.38	-	4.00	8.01	17.97		
12	12	-	0.95	4.14	6.77	11.76	0.04	1.68	5.65	8.88	15.97	-	2.05	6.10	10.14	18.91	-	6.50	10.59	20.55		
	16	-	-	2.98	5.55	10.32	-	0.41	4.34	7.51	14.45	-	0.72	4.79	8.69	17.30	-	5.18	9.17	18.91		
	24	-	-	0.83*	3.28	7.61	-	-	1.91	4.97	11.61	-	-	2.35	5.98	14.26	-	2.69	6.48	15.81		
13	12	-	0.33	3.39	5.93	10.82	-	0.97	4.73	7.80	14.52	-	1.30	5.21	9.01	17.27	-	5.60	9.53	18.90		
	16	-	-	2.12	4.57	9.17	-	-	3.30	6.30	12.84	-	-	3.76	7.40	15.47	-	4.13	7.93	17.06		
	24	-	-	-	2.08*	6.13	-	-	0.69*	3.54	9.71	-	-	1.10*	4.44	12.13	-	1.40	4.95	13.61		
14	12	-	-	2.64	5.03	9.77	-	0.28	3.83	6.72	13.03	-	0.57	4.33	7.87	15.59	-	4.69	8.43	17.21		
	16	-	-	1.28*	3.57	7.94	-	-	2.30	5.10	11.20	-	-	2.76	6.13	13.63	-	3.09	6.67	15.18		
	24	-	-	-	0.93*	4.62	-	-	-	2.18*	7.85	-	-	-	2.96*	10.03	-	0.17*	3.45	11.44		
16	12	-	-	1.24*	3.29	7.20	-	-	2.14*	4.64	10.07	-	-	2.64	5.67	12.26	-	2.93	6.25	13.83		
	16	-	-	-	1.70*	5.19	-	-	0.51*	2.89*	8.05	-	-	0.89*	3.73*	10.08	-	1.15*	4.25	11.52		
	24	-	-	-	-	1.65*	-	-	-	-	4.45*	-	-	-	0.30*	6.18*	-	-	0.69*	7.39		
18	12	-	-	0.05*	1.76*	4.87*	-	-	0.73*	2.83*	7.37	-	-	1.11*	3.63*	9.20	-	1.34*	4.20	10.70		
	16	-	-	-	0.14*	2.82*	-	-	-	1.03*	5.28*	-	-	-	1.62*	6.93*	-	-	2.06*	8.23		
	24	-	-	-	-	-	-	-	-	-	1.64*	-	-	-	-	2.96*	-	-	-	3.92*		
20	12	-	-	-	0.52*	2.93*	-	-	-	1.34*	5.07*	-	-	-	1.90*	6.56*	-	0.00*	2.35*	7.83		
	16	-	-	-	-	0.93*	-	-	-	-	3.01*	-	-	-	-	4.31*	-	-	0.21*	5.35*		
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.07*		
22	12	-	-	-	-	1.40*	-	-	-	-	3.21*	-	-	-	0.54*	4.39*	-	-	0.85*	5.37*		
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.22*	-	-	-	2.98*		
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
24	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.69*	-	-	-	3.42*		
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Wall Height (ft.)	O.C. (in.)	70 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(UNSHEATHED)			
		800S162 - (mils)					800S200 - (mils)					800S250 - (mils)					800S300 - (mils)			
		43	54	68	97		43	54	68	97		43	54	68	97		54	68	97	
8	12	-	3.65	6.75	9.39	15.10	-	5.06	9.80	13.48	21.70	-	5.61	10.40	15.54	26.92	-	10.88	15.95	29.44
	16	-	3.21	6.36	9.01	14.69	-	4.55	9.30	13.00	21.22	-	5.09	9.90	15.02	26.36	-	10.37	15.43	28.85
	24	-	2.35	5.57	8.25	13.88	-	3.55	8.32	12.04	20.27	-	4.04	8.91	13.97	25.25	-	9.37	14.39	27.69
9	12	-	3.29	6.42	9.07	14.75	-	4.64	9.38	13.07	21.29	-	5.16	9.94	15.04	26.32	-	10.40	15.42	28.72
	16	-	2.74	5.92	8.58	14.23	-	4.00	8.75	12.45	20.68	-	4.50	9.31	14.37	25.61	-	9.76	14.76	27.98
	24	-	1.67	4.93	7.62	13.20	-	2.75	7.50	11.23	19.46	-	3.19	8.06	13.04	24.20	-	8.50	13.45	26.51
10	12	-	2.89	6.05	8.71	14.36	-	4.17	8.90	12.60	20.81	-	4.66	9.41	14.46	25.63	-	9.86	14.82	27.89
	16	-	2.22	5.43	8.10	13.71	-	3.39	8.12	11.83	20.05	-	3.85	8.64	13.63	24.74	-	9.08	14.00	26.97
	24	-	0.91	4.22	6.91	12.42	-	1.86	6.59	10.33	18.54	-	2.26	7.11	12.00	22.99	-	7.53	12.39	25.15
11	12	-	2.46	5.64	8.30	13.91	-	3.66	8.37	12.07	20.27	-	4.11	8.83	13.81	24.83	-	9.26	14.14	26.93
	16	-	1.66	4.89	7.57	13.12	-	2.72	7.43	11.14	19.34	-	3.14	7.89	12.81	23.75	-	8.32	13.16	25.82
	24	-	0.11	3.44	6.13	11.56	-	0.91	5.59	9.32	17.50	-	1.27	6.07	10.84	21.64	-	6.48	11.23	23.63
12	12	-	1.98	5.18	7.84	13.41	-	3.10	7.78	11.48	19.66	-	3.51	8.18	13.08	23.92	-	8.59	13.38	25.86
	16	-	1.05	4.31	6.97	12.46	-	2.01	6.67	10.37	18.54	-	2.39	7.09	11.89	22.64	-	7.49	12.23	24.54
	24	-	-	2.61	5.28	10.61	-	-	4.52	8.23	16.35	-	0.22	4.97	9.59	20.14	-	5.35	9.97	21.96
13	12	-	1.48	4.69	7.35	12.85	-	2.49	7.13	10.83	18.98	-	2.88	7.48	12.27	22.92	-	7.88	12.56	24.66
	16	-	0.41	3.68	6.33	11.74	-	1.24	5.85	9.54	17.66	-	1.60	6.22	10.90	21.42	-	6.61	11.22	23.13
	24	-	-	1.73	4.38	9.59	-	-	3.39	7.06	15.10	-	-	3.81	8.26	18.52	-	4.17	8.64	20.16
14	12	-	0.95	4.16	6.81	12.24	-	1.85	6.36	10.05	18.23	-	2.22	6.73	11.35	21.68	-	7.12	11.68	23.37
	16	-	-	3.01	5.65	10.96	-	0.46	4.92	8.58	16.69	-	0.78	5.31	9.80	19.98	-	5.69	10.16	21.62
	24	-	-	0.82	3.43	8.49	-	-	2.20	5.79	13.75	-	-	2.63	6.85	16.70	-	2.97	7.25	18.27
16	12	-	-	3.03	5.62	10.87	-	0.54	4.74	8.21	16.08	-	0.86	5.15	9.38	18.93	-	5.52	9.78	20.54
	16	-	-	1.60	4.17	9.23	-	-	3.02	6.44	14.16	-	-	3.45	7.50	16.83	-	3.79	7.92	18.38
	24	-	-	-	1.45	6.14	-	-	-	3.15	10.57	-	-	0.29	4.00	12.89	-	0.56	4.43	14.32
18	12	-	-	1.82	4.33	9.32	-	-	3.11	6.30	13.52	-	-	3.54	7.35	16.00	-	3.89	7.82	17.55
	16	-	-	0.17*	2.60	7.33	-	-	1.20*	4.29	11.31	-	-	1.61	5.20	13.57	-	1.91	5.67	15.03
	24	-	-	-	-	3.70*	-	-	-	0.67*	7.27	-	-	-	1.31*	9.13	-	-	1.72*	10.41
20	12	-	-	0.61*	2.99	7.65	-	-	1.60*	4.45	10.95	-	-	2.02	5.38	13.08	-	2.31	5.89	14.56
	16	-	-	-	1.04*	5.37	-	-	-	2.31*	8.54	-	-	-	3.06*	10.43	-	0.16*	3.51	11.78
	24	-	-	-	-	1.29*	-	-	-	-	4.23*	-	-	-	-	5.69*	-	-	-	6.77
22	12	-	-	-	1.59*	5.79	-	-	0.28*	2.79*	8.53	-	-	0.63*	3.58*	10.33	-	0.86*	4.06	11.72
	16	-	-	-	-	3.34*	-	-	-	0.58*	6.02*	-	-	-	1.14*	7.56	-	-	1.52*	8.77
	24	-	-	-	-	-	-	-	-	-	1.60*	-	-	-	-	2.68*	-	-	-	3.55*
24	12	-	-	-	0.37*	3.92*	-	-	-	1.35*	6.35*	-	-	-	1.96*	7.85	-	-	2.38*	9.14
	16	-	-	-	-	1.46*	-	-	-	-	3.82*	-	-	-	-	5.05*	-	-	-	6.10*
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17*	-	-	-	0.79*

Maximum factored axial compressive resistance per stud (kips)

Wall Height (ft.)	O.C. (in.)	0 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(SHEATHED)			
		362S162 - (mils)					400S162 - (mils)					400S200 - (mils)					400S250 - (mils)			
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	43	54	68	97
8	12	3.95	5.41	9.26	11.98	16.36	4.09	5.64	9.85	12.87	18.45	4.47	6.67	11.48	15.21	21.81	6.97	11.41	16.13	24.94
	16	3.95	5.41	9.26	11.98	16.36	4.09	5.64	9.85	12.87	18.45	4.47	6.67	11.48	15.21	21.81	6.97	11.41	16.13	24.94
	24	3.95	5.41	9.26	11.98	16.36	4.09	5.64	9.85	12.87	18.45	4.47	6.67	11.48	15.21	21.81	6.97	11.41	16.13	24.94
9	12	3.78	5.14	8.57	11.05	14.96	3.94	5.41	9.25	12.07	17.13	4.34	6.42	11.00	14.28	20.32	6.78	10.93	15.49	23.64
	16	3.78	5.14	8.57	11.05	14.96	3.94	5.41	9.25	12.07	17.13	4.34	6.42	11.00	14.28	20.32	6.78	10.93	15.49	23.64
	24	3.78	5.14	8.57	11.05	14.96	3.94	5.41	9.25	12.07	17.13	4.34	6.42	11.00	14.28	20.32	6.78	10.93	15.49	23.64
10	12	3.58	4.86	7.86	10.03	13.55	3.78	5.17	8.61	11.22	15.77	4.19	6.14	10.26	13.31	18.78	6.58	10.41	14.62	21.93
	16	3.58	4.86	7.86	10.03	13.55	3.78	5.17	8.61	11.22	15.77	4.19	6.14	10.26	13.31	18.78	6.58	10.41	14.62	21.93
	24	3.58	4.86	7.86	10.03	13.55	3.78	5.17	8.61	11.22	15.77	4.19	6.14	10.26	13.31	18.78	6.58	10.41	14.62	21.93
11	12	3.36	4.57	7.15	9.01	12.14	3.59	4.91	7.96	10.36	14.39	4.03	5.84	9.51	12.31	17.21	6.36	9.87	13.76	20.19
	16	3.36	4.57	7.15	9.01	12.14	3.59	4.91	7.96	10.36	14.39	4.03	5.84	9.51	12.31	17.21	6.36	9.87	13.76	20.19
	24	3.36	4.57	7.15	9.01	12.14	3.59	4.91	7.96	10.36	14.39	4.03	5.84	9.51	12.31	17.21	6.36	9.87	13.76	20.19
12	12	3.14	4.27	6.43	8.02	10.76	3.40	4.64	7.30	9.48	13.02	3.86	5.52	8.74	11.30	15.64	6.12	9.44	12.91	18.44
	16	3.14	4.27	6.43	8.02	10.76	3.40	4.64	7.30	9.48	13.02	3.86	5.52	8.74	11.30	15.64	6.12	9.44	12.91	18.44
	24	3.14	4.27	6.43	8.02	10.76	3.40	4.64	7.30	9.48	13.02	3.86	5.52	8.74	11.30	15.64	6.12	9.44	12.91	18.44
13	12	2.92	3.96	5.74	7.06	9.44	3.20	4.37	6.65	8.62	11.67	3.68	5.20	7.98	10.30	14.10	5.87	9.01	12.11	16.71
	16	2.92	3.96	5.74	7.06	9.44	3.20	4.37	6.65	8.62	11.67	3.68	5.20	7.98	10.30	14.10	5.87	9.01	12.11	16.71
	24	2.92	3.96	5.74	7.06	9.44	3.20	4.37	6.65	8.62	11.67	3.68	5.20	7.98	10.30	14.10	5.87	9.01	12.11	16.71
14	12	2.69	3.65	5.04	6.14	8.18	2.99	4.09	6.01	7.73	10.38	3.49	4.88	7.23	9.30	12.60	5.61	8.38	11.00	15.03
	16	2.69	3.65	5.04	6.14	8.18	2.99	4.09	6.01	7.73	10.38	3.49	4.88	7.23	9.30	12.60	5.61	8.38	11.00	15.03
	24	2.69	3.65	5.04	6.14	8.18	2.99	4.09	6.01	7.73	10.38	3.49	4.88	7.23	9.30	12.60	5.61	8.38	11.00	15.03
16	12	2.26	3.06	3.86	4.70	6.27	2.58	3.53	4.80	6.00	8.02	3.09	4.23	5.80	7.28	9.82	4.98	6.92	8.72	11.84
	16	2.26	3.06	3.86	4.70	6.27	2.58	3.53	4.80	6.00	8.02	3.09	4.23	5.80	7.28	9.82	4.98	6.92	8.72	11.84
	24	2.26	3.06	3.86	4.70	6.27	2.58	3.53	4.80	6.00	8.02	3.09	4.23	5.80	7.28	9.82	4.98	6.92	8.72	11.84
18	12	1.85	2.48	3.05	3.72	4.95	2.19	2.99	3.88	4.74	6.34	2.65	3.60	4.67	5.75	7.76	4.26	5.56	6.89	9.35
	16	1.85	2.48	3.05	3.72	4.95	2.19	2.99	3.88	4.74	6.34	2.65	3.60	4.67	5.75	7.76	4.26	5.56	6.89	9.35
	24	1.85	2.48	3.05	3.72	4.95	2.19	2.99	3.88	4.74	6.34	2.65	3.60	4.67	5.75	7.76	4.26	5.56	6.89	9.35
20	12	1.52	2.01	2.47	3.01	4.01	1.82	2.49	3.14	3.84	5.13	2.21	3.00	3.80	4.66	6.28	3.57	4.54	5.58	7.58
	16	1.52	2.01	2.47	3.01	4.01	1.82	2.49	3.14	3.84	5.13	2.21	3.00	3.80	4.66	6.28	3.57	4.54	5.58	7.58
	24	1.52	2.01	2.47	3.01	4.01	1.82	2.49	3.14	3.84	5.13	2.21	3.00	3.80	4.66	6.28	3.57	4.54	5.58	7.58
22	12	1.28	1.66	2.04	2.49	3.31	1.54	2.09	2.60	3.17	4.24	1.86	2.52	3.14	3.85	5.19	2.99	3.75	4.61	6.26
	16	1.28	1.66	2.04	2.49	3.31	1.54	2.09	2.60	3.17	4.24	1.86	2.52	3.14	3.85	5.19	2.99	3.75	4.61	6.26
	24	1.28	1.66	2.04	2.49	3.31	1.54	2.09	2.60	3.17	4.24	1.86	2.52	3.14	3.85	5.19	2.99	3.75	4.61	6.26
24	12	1.09	1.40	-	-	-	1.32	1.78	2.18	2.67	3.56	1.59	2.14	2.64	3.23	4.36	2.55	3.15	3.88	5.26
	16	1.09	1.40	-	-	-	1.32	1.78	2.18	2.67	3.56	1.59	2.14	2.64	3.23	4.36	2.55	3.15	3.88	5.26
	24	1.09	1.40	-	-	-	1.32	1.78	2.18	2.67	3.56	1.59	2.14	2.64	3.23	4.36	2.55	3.15	3.88	5.26

Wall Height (ft.)	O.C. (in.)	0 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(SHEATHED)					
		600S162 - (mils)					600S200 - (mils)						600S250 - (mils)					600S300 - (mils)				
		33	43	54	68	97	33	43	54	68	97		43	54	68	97		54	68	97		
8	12	4.42	6.27	11.34	15.26	23.83	4.82	7.29	12.60	17.87	27.57	-	7.51	12.71	17.99	30.10	-	12.98	18.30	32.46		
	16	4.42	6.27	11.34	15.26	23.83	4.82	7.29	12.60	17.87	27.57	-	7.51	12.71	17.99	30.10	-	12.98	18.30	32.46		
	24	4.42	6.27	11.34	15.26	23.83	4.82	7.29	12.60	17.87	27.57	-	7.51	12.71	17.99	30.10	-	12.98	18.30	32.46		
9	12	4.36	6.15	11.13	14.82	23.13	4.75	7.17	12.44	17.36	26.78	-	7.41	12.46	17.69	29.44	-	12.74	17.95	31.87		
	16	4.36	6.15	11.13	14.82	23.13	4.75	7.17	12.44	17.36	26.78	-	7.41	12.46	17.69	29.44	-	12.74	17.95	31.87		
	24	4.36	6.15	11.13	14.82	23.13	4.75	7.17	12.44	17.36	26.78	-	7.41	12.46	17.69	29.44	-	12.74	17.95	31.87		
10	12	4.29	6.02	10.77	14.83	22.37	4.67	7.04	12.26	16.81	25.93	-	7.31	12.20	17.37	28.73	-	12.49	17.57	31.05		
	16	4.29	6.02	10.77	14.83	22.37	4.67	7.04	12.26	16.81	25.93	-	7.31	12.20	17.37	28.73	-	12.49	17.57	31.05		
	24	4.29	6.02	10.77	14.83	22.37	4.67	7.04	12.26	16.81	25.93	-	7.31	12.20	17.37	28.73	-	12.49	17.57	31.05		
11	12	4.20	5.88	10.38	13.82	21.56	4.59	6.91	11.97	16.23	25.02	-	7.19	11.90	17.01	28.01	-	12.21	17.16	30.08		
	16	4.20	5.88	10.38	13.82	21.56	4.59	6.91	11.97	16.23	25.02	-	7.19	11.90	17.01	28.01	-	12.21	17.16	30.08		
	24	4.20	5.88	10.38	13.82	21.56	4.59	6.91	11.97	16.23	25.02	-	7.19	11.90	17.01	28.01	-	12.21	17.16	30.08		
12	12	4.11	5.72	9.97	13.28	20.70	4.50	6.76	11.67	15.61	24.06	-	7.07	11.59	16.64	27.28	-	11.92	16.72	29.06		
	16	4.11	5.72	9.97	13.28	20.70	4.50	6.76	11.67	15.61	24.06	-	7.07	11.59	16.64	27.28	-	11.92	16.72	29.06		
	24	4.11	5.72	9.97	13.28	20.70	4.50	6.76	11.67	15.61	24.06	-	7.07	11.59	16.64	27.28	-	11.92	16.72	29.06		
13	12	4.01	5.56	9.54	12.71	19.81	4.41	6.58	11.33	14.96	23.06	-	6.94	11.26	16.17	26.38	-	11.60	16.25	28.00		
	16	4.01	5.56	9.54	12.71	19.81	4.41	6.58	11.33	14.96	23.06	-	6.94	11.26	16.17	26.38	-	11.60	16.25	28.00		
	24	4.01	5.56	9.54	12.71	19.81	4.41	6.58	11.33	14.96	23.06	-	6.94	11.26	16.17	26.38	-	11.60	16.25	28.00		
14	12	3.90	5.39	9.11	12.13	18.90	4.31	6.38	10.82	14.30	22.02	-	6.80	10.90	15.58	25.24	-	11.27	15.76	26.91		
	16	3.90	5.39	9.11	12.13	18.90	4.31	6.38	10.82	14.30	22.02	-	6.80	10.90	15.58	25.24	-	11.27	15.76	26.91		
	24	3.90	5.39	9.11	12.13	18.90	4.31	6.38	10.82	14.30	22.02	-	6.80	10.90	15.58	25.24	-	11.27	15.76	26.91		
16	12	3.64	5.03	8.20	10.93	17.00	4.09	5.97	9.78	12.93	19.89	-	6.50	10.15	14.38	22.88	-	10.56	14.84	24.68		
	16	3.64	5.03	8.20	10.93	17.00	4.09	5.97	9.78	12.93	19.89	-	6.50	10.15	14.38	22.88	-	10.56	14.84	24.68		
	24	3.64	5.03	8.20	10.93	17.00	4.09	5.97	9.78	12.93	19.89	-	6.50	10.15	14.38	22.88	-	10.56	14.84	24.68		
18	12	3.36	4.66	7.29	9.72	15.08	3.85	5.53	8.72	11.53	17.71	-	6.17	9.57	13.24	20.47	-	9.80	13.89	22.48		
	16	3.36	4.66	7.29	9.72	15.08	3.85	5.53	8.72	11.53	17.71	-	6.17	9.57	13.24	20.47	-	9.80	13.89	22.48		
	24	3.36	4.66	7.29	9.72	15.08	3.85	5.53	8.72	11.53	17.71	-	6.17	9.57	13.24	20.47	-	9.80	13.89	22.48		
20	12	3.08	4.27	6.40	8.53	13.19	3.58	5.09	7.68	10.16	15.56	-	5.81	8.81	11.88	18.07	-	9.01	12.84	20.44		
	16	3.08	4.27	6.40	8.53	13.19	3.58	5.09	7.68	10.16	15.56	-	5.81	8.81	11.88	18.07	-	9.01	12.84	20.44		
	24	3.08	4.27	6.40	8.53	13.19	3.58	5.09	7.68	10.16	15.56	-	5.81	8.81	11.88	18.07	-	9.01	12.84	20.44		
22	12	2.80	3.88	5.53	7.37	11.34	3.32	4.64	6.67	8.83	13.47	-	5.43	7.89	10.38	15.74	-	8.19	11.46	18.01		
	16	2.80	3.88	5.53	7.37	11.34	3.32	4.64	6.67	8.83	13.47	-	5.43	7.89	10.38	15.74	-	8.19	11.46	18.01		
	24	2.80	3.88	5.53	7.37	11.34	3.32	4.64	6.67	8.83	13.47	-	5.43	7.89	10.38	15.74	-	8.19	11.46	18.01		
24	12	2.52	3.50	4.77	6.37	9.77	3.04	4.19	5.74	7.60	11.57	-	4.92	6.80	8.95	13.53	-	7.52	10.19	15.53		
	16	2.52	3.50	4.77	6.37	9.77	3.04	4.19	5.74	7.60	11.57	-	4.92	6.80	8.95	13.53	-	7.52	10.19	15.53		
	24	2.52	3.50	4.77	6.37	9.77	3.04	4.19	5.74	7.60	11.57	-	4.92	6.80	8.95	13.53	-	7.52	10.19	15.53		

Wall Height (ft.)	O.C. (in.)	0 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(SHEATHED)								
		800S162 - (mils)						800S200 - (mils)						800S250 - (mils)						800S300 - (mils)					
			43	54	68	97		43	54	68	97		43	54	68	97		43	54	68	97				
8	12	-	6.00	10.40	14.86	25.59	-	7.51	12.98	18.63	29.52	-	7.70	13.20	18.69	31.89	-	13.44	19.06	34.08					
	16	-	6.00	10.40	14.86	25.59	-	7.51	12.98	18.63	29.52	-	7.70	13.20	18.69	31.89	-	13.44	19.06	34.08					
	24	-	6.00	10.40	14.86	25.59	-	7.51	12.98	18.63	29.52	-	7.70	13.20	18.69	31.89	-	13.44	19.06	34.08					
9	12	-	6.00	10.40	14.86	25.20	-	7.45	12.87	18.43	29.02	-	7.65	13.05	18.50	31.45	-	13.30	18.85	33.72					
	16	-	6.00	10.40	14.86	25.20	-	7.45	12.87	18.43	29.02	-	7.65	13.05	18.50	31.45	-	13.30	18.85	33.72					
	24	-	6.00	10.40	14.86	25.20	-	7.45	12.87	18.43	29.02	-	7.65	13.05	18.50	31.45	-	13.30	18.85	33.72					
10	12	-	6.00	10.40	14.86	24.72	-	7.37	12.76	18.22	28.48	-	7.58	12.88	18.30	30.99	-	13.15	18.61	33.32					
	16	-	6.00	10.40	14.86	24.72	-	7.37	12.76	18.22	28.48	-	7.58	12.88	18.30	30.99	-	13.15	18.61	33.32					
	24	-	6.00	10.40	14.86	24.72	-	7.37	12.76	18.22	28.48	-	7.58	12.88	18.30	30.99	-	13.15	18.61	33.32					
11	12	-	6.00	10.40	14.86	24.19	-	7.28	12.63	17.85	27.89	-	7.51	12.70	18.07	30.49	-	12.97	18.36	32.88					
	16	-	6.00	10.40	14.86	24.19	-	7.28	12.63	17.85	27.89	-	7.51	12.70	18.07	30.49	-	12.97	18.36	32.88					
	24	-	6.00	10.40	14.86	24.19	-	7.28	12.63	17.85	27.89	-	7.51	12.70	18.07	30.49	-	12.97	18.36	32.88					
12	12	-	6.00	10.40	14.86	23.63	-	7.19	12.50	17.45	27.27	-	7.44	12.50	17.83	29.96	-	12.79	18.08	32.41					
	16	-	6.00	10.40	14.86	23.63	-	7.19	12.50	17.45	27.27	-	7.44	12.50	17.83	29.96	-	12.79	18.08	32.41					
	24	-	6.00	10.40	14.86	23.63	-	7.19	12.50	17.45	27.27	-	7.44	12.50	17.83	29.96	-	12.79	18.08	32.41					
13	12	-	6.00	10.40	14.53	23.04	-	7.09	12.36	17.01	26.60	-	7.36	12.29	17.58	29.41	-	12.59	17.78	31.73					
	16	-	6.00	10.40	14.53	23.04	-	7.09	12.36	17.01	26.60	-	7.36	12.29	17.58	29.41	-	12.59	17.78	31.73					
	24	-	6.00	10.40	14.53	23.04	-	7.09	12.36	17.01	26.60	-	7.36	12.29	17.58	29.41	-	12.59	17.78	31.73					
14	12	-	5.95	10.40	14.13	22.41	-	6.98	12.13	16.56	25.90	-	7.27	12.07	17.31	28.85	-	12.38	17.47	30.98					
	16	-	5.95	10.40	14.13	22.41	-	6.98	12.13	16.56	25.90	-	7.27	12.07	17.31	28.85	-	12.38	17.47	30.98					
	24	-	5.95	10.40	14.13	22.41	-	6.98	12.13	16.56	25.90	-	7.27	12.07	17.31	28.85	-	12.38	17.47	30.98					
16	12	-	5.71	9.91	13.29	21.08	-	6.75	11.66	15.60	24.41	-	7.08	11.58	16.72	27.73	-	11.92	16.78	29.41					
	16	-	5.71	9.91	13.29	21.08	-	6.75	11.66	15.60	24.41	-	7.08	11.58	16.72	27.73	-	11.92	16.78	29.41					
	24	-	5.71	9.91	13.29	21.08	-	6.75	11.66	15.60	24.41	-	7.08	11.58	16.72	27.73	-	11.92	16.78	29.41					
18	12	-	5.45	9.24	12.40	19.68	-	6.45	10.97	14.58	22.83	-	6.87	11.04	15.86	26.07	-	11.41	16.03	27.74					
	16	-	5.45	9.24	12.40	19.68	-	6.45	10.97	14.58	22.83	-	6.87	11.04	15.86	26.07	-	11.41	16.03	27.74					
	24	-	5.45	9.24	12.40	19.68	-	6.45	10.97	14.58	22.83	-	6.87	11.04	15.86	26.07	-	11.41	16.03	27.74					
20	12	-	5.18	8.55	11.47	18.22	-	6.13	10.17	13.53	21.19	-	6.63	10.47	14.93	24.25	-	10.87	15.32	26.02					
	16	-	5.18	8.55	11.47	18.22	-	6.13	10.17	13.53	21.19	-	6.63	10.47	14.93	24.25	-	10.87	15.32	26.02					
	24	-	5.18	8.55	11.47	18.22	-	6.13	10.17	13.53	21.19	-	6.63	10.47	14.93	24.25	-	10.87	15.32	26.02					
22	12	-	4.89	7.84	10.54	16.74	-	5.80	9.35	12.45	19.52	-	6.39	9.97	14.03	22.40	-	10.30	14.60	24.30					
	16	-	4.89	7.84	10.54	16.74	-	5.80	9.35	12.45	19.52	-	6.39	9.97	14.03	22.40	-	10.30	14.60	24.30					
	24	-	4.89	7.84	10.54	16.74	-	5.80	9.35	12.45	19.52	-	6.39	9.97	14.03	22.40	-	10.30	14.60	24.30					
24	12	-	4.60	7.14	9.60	15.26	-	5.46	8.53	11.38	17.84	-	6.12	9.52	13.17	20.53	-	9.70	13.86	22.63					
	16	-	4.60	7.14	9.60	15.26	-	5.46	8.53	11.38	17.84	-	6.12	9.52	13.17	20.53	-	9.70	13.86	22.63					
	24	-	4.60	7.14	9.60	15.26	-	5.46	8.53	11.38	17.84	-	6.12	9.52	13.17	20.53	-	9.70	13.86	22.63					

Wall Height (ft.)	O.C. (in.)	10 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(SHEATHED)			
		362S162 - (mils)					400S162 - (mils)					400S200 - (mils)					400S250 - (mils)			
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	43	54	68	97
8	12	3.34	4.80	8.59	11.29	15.64	3.54	5.10	9.26	12.27	17.78	3.95	6.10	10.87	14.58	21.14	6.43	10.86	15.53	24.30
	16	3.15	4.60	8.38	11.07	15.41	3.37	4.92	9.06	12.07	17.56	3.78	5.92	10.67	14.37	20.93	6.25	10.68	15.33	24.09
	24	2.78	4.22	7.97	10.64	14.96	3.03	4.58	8.69	11.68	17.14	3.45	5.55	10.28	13.97	20.50	5.90	10.33	14.94	23.68
9	12	3.02	4.37	7.74	10.18	14.07	3.26	4.73	8.49	11.29	16.29	3.68	5.70	10.20	13.48	19.47	6.09	10.23	14.70	22.81
	16	2.79	4.14	7.48	9.91	13.79	3.04	4.51	8.25	11.05	16.01	3.47	5.47	9.95	13.22	19.20	5.86	10.00	14.44	22.54
	24	2.34	3.68	6.98	9.39	13.25	2.63	4.08	7.79	10.57	15.49	3.06	5.02	9.46	12.72	18.67	5.43	9.56	13.94	22.01
10	12	2.66	3.93	6.86	9.00	12.49	2.95	4.33	7.70	10.28	14.74	3.38	5.25	9.29	12.32	17.74	5.71	9.54	13.63	20.90
	16	2.39	3.65	6.56	8.69	12.16	2.69	4.07	7.42	9.98	14.42	3.13	4.97	8.99	12.01	17.41	5.44	9.26	13.32	20.58
	24	1.90	3.13	6.01	8.11	11.54	2.22	3.57	6.88	9.42	13.80	2.65	4.45	8.41	11.41	16.78	4.91	8.72	12.72	19.94
11	12	2.30	3.48	6.00	7.85	10.93	2.61	3.91	6.89	9.24	13.19	3.06	4.78	8.36	11.13	15.98	5.30	8.80	12.55	18.96
	16	2.01	3.17	5.68	7.51	10.58	2.33	3.61	6.57	8.91	12.82	2.77	4.46	8.02	10.78	15.60	4.98	8.48	12.19	18.58
	24	1.47	2.60	5.08	6.89	9.91	1.80	3.06	5.98	8.28	12.13	2.24	3.87	7.37	10.10	14.88	4.37	7.86	11.48	17.85
12	12	1.96	3.04	5.18	6.76	9.46	2.28	3.49	6.10	8.22	11.67	2.73	4.30	7.44	9.95	14.24	4.87	8.16	11.48	17.03
	16	1.65	2.70	4.84	6.41	9.08	1.97	3.16	5.75	7.85	11.27	2.41	3.95	7.06	9.56	13.83	4.50	7.78	11.06	16.60
	24	1.09	2.10	4.23	5.77	8.39	1.40	2.56	5.12	7.17	10.53	1.82	3.30	6.37	8.83	13.04	3.82	7.07	10.27	15.79
13	12	1.64	2.62	4.43	5.76	8.10	1.96	3.08	5.34	7.23	10.22	2.41	3.83	6.55	8.81	12.57	4.43	7.50	10.45	15.15
	16	1.32	2.27	4.08	5.41	7.72	1.63	2.73	4.98	6.84	9.80	2.06	3.45	6.15	8.39	12.13	4.02	7.07	9.98	14.69
	24	0.75	1.65	3.47	4.78	7.03	1.04	2.09	4.33	6.14	9.04	1.43	2.75	5.44	7.63	11.31	3.27	6.30	9.13	13.83
14	12	1.35	2.23	3.72	4.85	6.85	1.66	2.69	4.63	6.28	8.87	2.09	3.37	5.71	7.72	11.00	3.98	6.71	9.21	13.36
	16	1.02	1.87	3.39	4.51	6.49	1.32	2.32	4.26	5.89	8.45	1.72	2.97	5.31	7.29	10.55	3.54	6.26	8.73	12.88
	24	0.46*	1.25	2.80	3.91	5.82	0.72	1.67	3.61	5.19	7.68	1.07	2.25	4.59	6.52	9.72	2.75	5.45	7.86	12.00
16	12	0.86	1.55	2.62	3.48	4.99	1.13	1.97	3.40	4.58	6.55	1.50	2.53	4.24	5.71	8.22	3.08	5.12	6.91	10.14
	16	0.54*	1.21	2.31	3.17	4.65	0.79	1.60	3.05	4.22	6.15	1.12	2.12	3.85	5.30	7.79	2.61	4.67	6.44	9.67
	24	-	0.62*	1.78*	2.61	4.04	0.19*	0.95*	2.43	3.57	5.44	0.47*	1.40	3.17	4.58	7.01	1.80	3.88	5.61	8.83
18	12	0.49*	1.03*	1.87	2.55	3.73	0.71*	1.39	2.50	3.39	4.92	1.00	1.84	3.15	4.25	6.22	2.27	3.81	5.16	7.71
	16	0.20*	0.71*	1.60*	2.26	3.41	0.38*	1.03*	2.17	3.05	4.55	0.64*	1.43	2.79	3.88	5.82	1.81	3.39	4.73	7.28
	24	-	-	1.12*	1.76*	2.85	-	0.40*	1.60*	2.46*	3.90	0.01*	0.74*	2.15*	3.22	5.10	1.02*	2.65	3.97	6.50
20	12	0.23*	0.65*	1.36*	1.90	2.84	0.39*	0.93*	1.84	2.55	3.77	0.61*	1.28	2.35	3.23	4.81	1.61	2.86	3.93	6.00
	16	-	0.36*	1.10*	1.63*	2.54	0.09*	0.60*	1.53*	2.24	3.43	0.27*	0.90*	2.01*	2.88	4.43	1.18*	2.47	3.53	5.59
	24	-	-	-	1.17*	2.03*	-	-	1.01*	1.69*	2.82*	-	0.26*	1.42*	2.27*	3.77	0.45*	1.79*	2.83*	4.86
22	12	-	0.38*	0.99*	1.43*	2.19	0.16*	0.60*	1.36*	1.94	2.94	0.33*	0.87*	1.76*	2.48	3.77	1.11*	2.15	3.04	4.74
	16	-	-	0.75*	1.18*	1.91*	-	0.28*	1.08*	1.65*	2.61	-	0.52*	1.45*	2.16*	3.42	0.71*	1.79*	2.66	4.36
	24	-	-	-	-	1.43*	-	-	-	1.15*	2.05*	-	-	-	1.60*	2.80*	-	1.17*	2.02*	3.68*
24	12	-	-	-	-	-	-	0.35*	1.00*	1.49*	2.31	-	0.56*	1.33*	1.93*	3.00	0.74*	1.63*	2.37	3.79
	16	-	-	-	-	-	-	-	-	1.22*	2.01*	-	-	1.03*	1.62*	2.67*	0.37*	1.30*	2.02*	3.43
	24	-	-	-	-	-	-	-	-	-	1.48*	-	-	-	-	2.09*	-	-	1.42*	2.80*

Maximum factored axial compressive resistance per stud (kips)

Wall Height (ft.)	O.C. (in.)	10 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(SHEATHED)					
		600S162 - (mils)					600S200 - (mils)						600S250 - (mils)						600S300 - (mils)			
		33	43	54	68	97	33	43	54	68	97		43	54	68	97	54		68	97		
8	12	4.08	5.93	10.98	14.90	23.43	4.49	6.94	12.25	17.49	27.17	-	7.17	12.38	17.64	29.72	-	12.65	17.95	32.06		
	16	3.97	5.82	10.86	14.78	23.30	4.38	6.82	12.13	17.37	27.04	-	7.05	12.27	17.52	29.59	-	12.54	17.84	31.93		
	24	3.74	5.60	10.63	14.54	23.04	4.17	6.59	11.90	17.12	26.78	-	6.83	12.04	17.29	29.33	-	12.32	17.61	31.67		
9	12	3.92	5.72	10.67	14.35	22.62	4.34	6.73	11.98	16.88	26.28	-	6.98	12.04	17.24	28.94	-	12.33	17.51	31.36		
	16	3.78	5.58	10.52	14.20	22.45	4.20	6.58	11.83	16.72	26.11	-	6.84	11.90	17.09	28.77	-	12.19	17.37	31.19		
	24	3.50	5.30	10.21	13.90	22.12	3.93	6.29	11.53	16.41	25.78	-	6.55	11.62	16.79	28.44	-	11.92	17.08	30.85		
10	12	3.76	5.49	10.20	13.76	21.73	4.16	6.49	11.68	16.22	25.30	-	6.77	11.67	16.80	28.11	-	11.97	17.03	30.41		
	16	3.58	5.31	10.01	13.57	21.52	4.00	6.31	11.50	16.02	25.09	-	6.60	11.49	16.61	27.90	-	11.80	16.85	30.20		
	24	3.24	4.97	9.64	13.20	21.11	3.67	5.96	11.12	15.63	24.68	-	6.25	11.15	16.23	27.49	-	11.46	16.49	29.78		
11	12	3.56	5.23	9.69	13.12	20.78	3.97	6.24	11.27	15.50	24.25	-	6.54	11.26	16.31	27.23	-	11.59	16.50	29.30		
	16	3.35	5.03	9.47	12.90	20.53	3.77	6.02	11.04	15.26	23.99	-	6.33	11.05	16.08	26.97	-	11.38	16.28	29.04		
	24	2.94	4.62	9.03	12.45	20.02	3.38	5.59	10.59	14.80	23.49	-	5.91	10.63	15.62	26.47	-	10.97	15.84	28.53		
12	12	3.35	4.96	9.16	12.45	19.77	3.77	5.96	10.82	14.74	23.13	-	6.29	10.82	15.79	26.33	-	11.17	15.92	28.12		
	16	3.10	4.72	8.90	12.18	19.47	3.54	5.71	10.55	14.46	22.83	-	6.04	10.57	15.51	26.02	-	10.92	15.66	27.82		
	24	2.63	4.24	8.39	11.66	18.87	3.08	5.20	10.01	13.91	22.23	-	5.55	10.07	14.96	25.41	-	10.44	15.15	27.21		
13	12	3.12	4.68	8.60	11.75	18.72	3.55	5.65	10.33	13.95	21.96	-	6.02	10.35	15.16	25.25	-	10.72	15.31	26.89		
	16	2.84	4.40	8.30	11.44	18.36	3.28	5.35	10.01	13.63	21.61	-	5.73	10.06	14.83	24.88	-	10.43	15.00	26.53		
	24	2.31	3.86	7.73	10.84	17.68	2.76	4.78	9.39	13.00	20.92	-	5.16	9.49	14.20	24.16	-	9.87	14.40	25.82		
14	12	2.89	4.38	8.03	11.03	17.62	3.32	5.32	9.68	13.14	20.75	-	5.74	9.85	14.41	23.92	-	10.25	14.66	25.61		
	16	2.58	4.07	7.70	10.68	17.22	3.02	4.98	9.32	12.77	20.35	-	5.40	9.52	14.03	23.50	-	9.92	14.31	25.19		
	24	1.99	3.46	7.06	10.01	16.44	2.44	4.34	8.63	12.06	19.56	-	4.75	8.87	13.30	22.67	-	9.28	13.62	24.37		
16	12	2.39	3.77	6.88	9.56	15.38	2.85	4.63	8.36	11.46	18.25	-	5.12	8.80	12.86	21.17	-	9.24	13.39	22.98		
	16	2.02	3.39	6.49	9.14	14.89	2.47	4.22	7.93	11.01	17.75	-	4.70	8.39	12.39	20.63	-	8.82	12.93	22.44		
	24	1.34	2.68	5.74	8.35	13.96	1.78	3.46	7.12	10.17	16.79	-	3.91	7.59	11.50	19.62	-	8.04	12.06	21.41		
18	12	1.90	3.15	5.77	8.11	13.16	2.35	3.92	7.06	9.80	15.74	-	4.47	7.86	11.35	18.38	-	8.17	12.05	20.34		
	16	1.49	2.72	5.33	7.64	12.60	1.93	3.46	6.59	9.29	15.16	-	3.97	7.37	10.79	17.76	-	7.69	11.50	19.70		
	24	0.75	1.94	4.53	6.78	11.57	1.16	2.61	5.71	8.36	14.09	-	3.06	6.44	9.76	16.61	-	6.77	10.47	18.50		
20	12	1.44	2.56	4.74	6.75	11.05	1.87	3.25	5.85	8.23	13.34	-	3.80	6.81	9.71	15.69	-	7.10	10.63	17.87		
	16	1.01	2.10	4.28	6.26	10.46	1.41	2.75	5.35	7.69	12.72	-	3.25	6.25	9.11	15.02	-	6.56	10.00	17.14		
	24	0.25*	1.28	3.46	5.37	9.39	0.60	1.85	4.45	6.72	11.59	-	2.26	5.25	8.01	13.79	-	5.56	8.85	15.80		
22	12	1.04	2.03	3.81	5.53	9.11	1.43	2.62	4.77	6.80	11.12	-	3.16	5.70	8.08	13.19	-	6.06	9.03	15.20		
	16	0.60	1.55	3.36	5.04	8.53	0.95	2.10	4.27	6.26	10.49	-	2.57	5.13	7.46	12.50	-	5.48	8.37	14.43		
	24		0.72*	2.56	4.16	7.47	0.12*	1.19	3.38	5.29	9.37	-	1.54	4.10	6.36	11.26	-	4.43	7.19	13.06		
24	12	0.70	1.55	3.05	4.50	7.52	1.03	2.07	3.84	5.56	9.21	-	2.51	4.60	6.62	10.95	-	5.17	7.61	12.66		
	16	0.26*	1.08	2.61	4.03	6.95	0.56*	1.54	3.35	5.03	8.59	-	1.92	4.04	6.02	10.28	-	4.57	6.95	11.91		
	24	-	0.25*	1.84*	3.18	5.93	-	0.63*	2.49*	4.10	7.50	-	0.89*	3.06	4.96	9.08	-	3.50	5.77	10.58		

Wall Height (ft.)	O.C. (in.)	10 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(SHEATHED)			
		800S162 - (mils)					800S200 - (mils)					800S250 - (mils)					800S300 - (mils)			
		43	54	68	97		43	54	68	97		43	54	68	97		54	68	97	
8	12	-	5.77	10.17	14.63	25.33	-	7.26	12.73	18.36	29.25	-	7.46	12.96	18.44	31.61	-	13.21	18.81	33.80
	16	-	5.69	10.10	14.55	25.24	-	7.18	12.64	18.27	29.16	-	7.38	12.88	18.35	31.52	-	13.13	18.73	33.71
	24	-	5.54	9.95	14.39	25.07	-	7.01	12.48	18.10	28.98	-	7.21	12.72	18.19	31.34	-	12.97	18.57	33.52
9	12	-	5.71	10.11	14.56	24.87	-	7.13	12.55	18.09	28.68	-	7.34	12.74	18.18	31.11	-	13.00	18.54	33.36
	16	-	5.61	10.01	14.45	24.76	-	7.02	12.45	17.98	28.57	-	7.23	12.64	18.08	30.99	-	12.90	18.43	33.25
	24	-	5.41	9.82	14.25	24.54	-	6.81	12.23	17.75	28.34	-	7.02	12.44	17.86	30.76	-	12.70	18.22	33.01
10	12	-	5.63	10.03	14.48	24.30	-	6.97	12.36	17.79	28.06	-	7.20	12.50	17.90	30.56	-	12.77	18.23	32.88
	16	-	5.51	9.91	14.35	24.17	-	6.84	12.23	17.65	27.92	-	7.07	12.38	17.77	30.41	-	12.65	18.10	32.73
	24	-	5.27	9.67	14.09	23.89	-	6.58	11.96	17.37	27.64	-	6.81	12.13	17.50	30.13	-	12.40	17.84	32.44
11	12	-	5.55	9.95	14.38	23.69	-	6.80	12.14	17.34	27.38	-	7.05	12.24	17.59	29.96	-	12.52	17.89	32.34
	16	-	5.40	9.80	14.23	23.52	-	6.64	11.98	17.17	27.21	-	6.89	12.09	17.43	29.79	-	12.37	17.73	32.16
	24	-	5.10	9.50	13.91	23.19	-	6.33	11.66	16.83	26.87	-	6.58	11.78	17.11	29.44	-	12.07	17.42	31.80
12	12	-	5.46	9.85	14.28	23.03	-	6.62	11.91	16.84	26.65	-	6.88	11.95	17.25	29.33	-	12.25	17.52	31.76
	16	-	5.28	9.67	14.08	22.83	-	6.43	11.72	16.63	26.45	-	6.69	11.77	17.06	29.12	-	12.07	17.33	31.54
	24	-	4.92	9.31	13.70	22.43	-	6.06	11.34	16.23	26.04	-	6.33	11.41	16.68	28.70	-	11.71	16.96	31.11
13	12	-	5.35	9.74	13.84	22.33	-	6.42	11.66	16.30	25.87	-	6.70	11.65	16.89	28.66	-	11.95	17.12	30.96
	16	-	5.14	9.52	13.62	22.09	-	6.20	11.44	16.06	25.63	-	6.48	11.43	16.66	28.42	-	11.74	16.90	30.70
	24	-	4.72	9.09	13.17	21.63	-	5.76	10.98	15.60	25.16	-	6.05	11.01	16.21	27.92	-	11.33	16.46	30.20
14	12	-	5.20	9.62	13.34	21.59	-	6.21	11.33	15.74	25.06	-	6.51	11.32	16.50	27.97	-	11.64	16.69	30.09
	16	-	4.95	9.36	13.08	21.32	-	5.95	11.06	15.46	24.78	-	6.26	11.07	16.24	27.68	-	11.40	16.44	29.79
	24	-	4.47	8.85	12.56	20.78	-	5.45	10.54	14.93	24.23	-	5.76	10.58	15.71	27.11	-	10.92	15.93	29.20
16	12	-	4.74	8.90	12.27	20.01	-	5.74	10.60	14.53	23.31	-	6.08	10.60	15.65	26.55	-	10.95	15.77	28.23
	16	-	4.43	8.57	11.94	19.66	-	5.42	10.26	14.19	22.95	-	5.76	10.28	15.30	26.17	-	10.64	15.44	27.84
	24	-	3.83	7.93	11.29	18.98	-	4.78	9.59	13.51	22.24	-	5.13	9.66	14.62	25.41	-	10.02	14.78	27.08
18	12	-	4.26	8.00	11.14	18.33	-	5.20	9.65	13.26	21.44	-	5.61	9.82	14.51	24.57	-	10.20	14.75	26.24
	16	-	3.88	7.61	10.74	17.90	-	4.81	9.24	12.84	21.00	-	5.21	9.43	14.08	24.09	-	9.82	14.34	25.76
	24	-	3.16	6.85	9.96	17.07	-	4.05	8.44	12.02	20.13	-	4.45	8.67	13.24	23.15	-	9.06	13.53	24.82
20	12	-	3.75	7.09	9.98	16.60	-	4.64	8.61	11.95	19.51	-	5.11	8.98	13.29	22.43	-	9.40	13.74	24.19
	16	-	3.32	6.64	9.52	16.10	-	4.18	8.13	11.46	18.98	-	4.63	8.52	12.78	21.86	-	8.94	13.23	23.60
	24	-	2.50	5.79	8.64	15.12	-	3.31	7.22	10.52	17.96	-	3.73	7.63	11.79	20.75	-	8.05	12.27	22.47
22	12	-	3.25	6.19	8.83	14.86	-	4.07	7.58	10.64	17.55	-	4.57	8.20	12.08	20.26	-	8.56	12.69	22.11
	16	-	2.77	5.70	8.32	14.29	-	3.56	7.05	10.09	16.95	-	4.03	7.66	11.49	19.60	-	8.03	12.11	21.43
	24	-	1.87	4.78	7.35	13.21	-	2.60	6.06	9.05	15.80	-	3.02	6.65	10.37	18.35	-	7.02	10.99	20.14
24	12	-	2.76	5.33	7.72	13.15	-	3.51	6.59	9.36	15.62	-	4.03	7.45	10.92	18.10	-	7.71	11.62	20.08
	16	-	2.23	4.81	7.17	12.53	-	2.95	6.02	8.77	14.96	-	3.43	6.84	10.26	17.38	-	7.11	10.95	19.32
	24	-	1.28	3.86	6.16	11.38	-	1.93	4.98	7.67	13.73	-	2.32	5.73	9.03	16.02	-	6.00	9.71	17.88

Wall Height (ft.)	O.C. (in.)	20 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"												(SHEATHED)						
		800S162 - (mils)				800S200 - (mils)				800S250 - (mils)				800S300 - (mils)						
		43	54	68	97	43	54	68	97	43	54	68	97	54	68	97				
8	12	-	5.54	9.95	14.39	25.07	-	7.01	12.48	18.10	28.98	-	7.21	12.72	18.19	31.34	-	12.97	18.57	33.52
	16	-	5.39	9.80	14.23	24.89	-	6.84	12.31	17.92	28.80	-	7.05	12.56	18.02	31.16	-	12.81	18.40	33.34
	24	-	5.08	9.49	13.91	24.54	-	6.51	11.98	17.57	28.44	-	6.72	12.24	17.69	30.80	-	12.50	18.08	32.97
9	12	-	5.41	9.82	14.25	24.54	-	6.81	12.23	17.75	28.34	-	7.02	12.44	17.86	30.76	-	12.70	18.22	33.01
	16	-	5.22	9.62	14.05	24.31	-	6.60	12.02	17.53	28.11	-	6.82	12.23	17.65	30.53	-	12.50	18.01	32.78
	24	-	4.83	9.24	13.64	23.87	-	6.17	11.60	17.08	27.66	-	6.41	11.83	17.23	30.08	-	12.10	17.60	32.31
10	12	-	5.27	9.67	14.09	23.89	-	6.58	11.96	17.37	27.64	-	6.81	12.13	17.50	30.13	-	12.40	17.84	32.44
	16	-	5.03	9.43	13.84	23.62	-	6.32	11.70	17.10	27.35	-	6.56	11.88	17.24	29.84	-	12.15	17.58	32.14
	24	-	4.55	8.95	13.33	23.07	-	5.80	11.18	16.54	26.80	-	6.05	11.38	16.72	29.27	-	11.66	17.07	31.56
11	12	-	5.10	9.50	13.91	23.19	-	6.33	11.66	16.83	26.87	-	6.58	11.78	17.11	29.44	-	12.07	17.42	31.80
	16	-	4.81	9.20	13.59	22.86	-	6.01	11.34	16.49	26.53	-	6.27	11.48	16.79	29.09	-	11.77	17.11	31.45
	24	-	4.23	8.62	12.97	22.20	-	5.39	10.71	15.83	25.85	-	5.67	10.88	16.15	28.40	-	11.18	16.49	30.74
12	12	-	4.92	9.31	13.70	22.43	-	6.06	11.34	16.23	26.04	-	6.33	11.41	16.68	28.70	-	11.71	16.96	31.11
	16	-	4.57	8.95	13.32	22.04	-	5.68	10.96	15.84	25.64	-	5.96	11.05	16.29	28.29	-	11.36	16.59	30.69
	24	-	3.88	8.25	12.57	21.26	-	4.96	10.21	15.05	24.84	-	5.25	10.34	15.54	27.46	-	10.66	15.85	29.83
13	12	-	4.72	9.09	13.17	21.63	-	5.76	10.98	15.60	25.16	-	6.05	11.01	16.21	27.92	-	11.33	16.46	30.20
	16	-	4.31	8.67	12.72	21.17	-	5.33	10.54	15.14	24.69	-	5.63	10.59	15.76	27.44	-	10.91	16.03	29.69
	24	-	3.50	7.84	11.85	20.26	-	4.49	9.66	14.23	23.75	-	4.80	9.77	14.88	26.47	-	10.10	15.17	28.70
14	12	-	4.47	8.85	12.56	20.78	-	5.45	10.54	14.93	24.23	-	5.76	10.58	15.71	27.11	-	10.92	15.93	29.20
	16	-	3.99	8.36	12.06	20.25	-	4.96	10.03	14.40	23.68	-	5.28	10.10	15.19	26.54	-	10.44	15.43	28.62
	24	-	3.08	7.40	11.07	19.22	-	4.01	9.03	13.37	22.61	-	4.33	9.16	14.17	25.42	-	9.51	14.45	27.48
16	12	-	3.83	7.93	11.29	18.98	-	4.78	9.59	13.51	22.24	-	5.13	9.66	14.62	25.41	-	10.02	14.78	27.08
	16	-	3.24	7.31	10.66	18.31	-	4.17	8.94	12.85	21.54	-	4.52	9.05	13.95	24.66	-	9.42	14.14	26.33
	24	-	2.13	6.13	9.45	17.01	-	3.00	7.70	11.57	20.19	-	3.34	7.88	12.65	23.21	-	8.25	12.89	24.87
18	12	-	3.16	6.85	9.96	17.07	-	4.05	8.44	12.02	20.13	-	4.45	8.67	13.24	23.15	-	9.06	13.53	24.82
	16	-	2.48	6.13	9.22	16.26	-	3.33	7.67	11.24	19.28	-	3.71	7.94	12.42	22.24	-	8.33	12.74	23.89
	24	-	1.20	4.79	7.82	14.73	-	1.97	6.23	9.74	17.67	-	2.32	6.54	10.88	20.50	-	6.93	11.24	22.12
20	12	-	2.50	5.79	8.64	15.12	-	3.31	7.22	10.52	17.96	-	3.73	7.63	11.79	20.75	-	8.05	12.27	22.47
	16	-	1.74	5.00	7.80	14.20	-	2.50	6.37	9.63	16.98	-	2.89	6.79	10.85	19.69	-	7.20	11.34	21.39
	24	-	0.33	3.53	6.26	12.48	-	1.00	4.79	7.97	15.16	-	1.32	5.22	9.10	17.70	-	5.60	9.60	19.34
22	12	-	1.87	4.78	7.35	13.21	-	2.60	6.06	9.05	15.80	-	3.02	6.65	10.37	18.35	-	7.02	10.99	20.14
	16	-	1.04	3.94	6.46	12.20	-	1.71	5.15	8.09	14.73	-	2.08	5.71	9.33	17.18	-	6.07	9.94	18.91
	24	-	-	2.40	4.82	10.34	-	0.11	3.48	6.32	12.75	-	0.37	3.99	7.42	15.01	-	4.32	7.99	16.64
24	12	-	1.28	3.86	6.16	11.38	-	1.93	4.98	7.67	13.73	-	2.32	5.73	9.03	16.02	-	6.00	9.71	17.88
	16	-	0.42*	2.99	5.22	10.32	-	1.00	4.04	6.66	12.59	-	1.31	4.70	7.91	14.77	-	4.98	8.55	16.54
	24	-	-	1.43*	3.55	8.40	-	-	2.34*	4.85	10.53	-	-	2.86	5.88	12.50	-	3.12	6.46	14.11

Wall Height (ft.)	O.C. (in.)	30 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"																(SHEATHED)			
		362S162 - (mils)					400S162 - (mils)					400S200 - (mils)					400S250 - (mils)				
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	43	54	68	97	
8	12	2.25	3.68	7.37	10.02	14.31	2.54	4.08	8.14	11.12	16.51	2.98	5.03	9.72	13.38	19.87	5.39	9.81	14.37	23.07	
	16	1.76	3.17	6.81	9.43	13.68	2.07	3.59	7.61	10.57	15.90	2.52	4.52	9.17	12.81	19.26	4.90	9.31	13.81	22.47	
	24	0.85	2.21	5.76	8.32	12.49	1.19	2.68	6.61	9.53	14.73	1.65	3.55	8.12	11.71	18.07	3.94	8.33	12.73	21.31	
9	12	1.73	3.05	6.29	8.66	12.48	2.05	3.48	7.14	9.89	14.73	2.49	4.38	8.76	12.00	17.89	4.80	8.91	13.22	21.24	
	16	1.17	2.46	5.65	7.99	11.75	1.50	2.92	6.52	9.24	14.00	1.95	3.78	8.09	11.31	17.15	4.20	8.30	12.53	20.49	
	24	0.16	1.38	4.49	6.74	10.40	0.50	1.86	5.37	8.02	12.63	0.94	2.65	6.85	10.02	15.74	3.06	7.13	11.21	19.07	
10	12	1.23	2.42	5.25	7.31	10.68	1.56	2.88	6.13	8.64	12.92	1.99	3.71	7.61	10.58	15.87	4.17	7.97	11.86	19.03	
	16	0.62	1.78	4.56	6.58	9.88	0.95	2.25	5.45	7.90	12.10	1.38	3.03	6.86	9.79	15.02	3.47	7.25	11.06	18.16	
	24	-	0.63*	3.34	5.26	8.44	-	1.09	4.19	6.57	10.59	0.26	1.77	5.50	8.35	13.44	2.18	5.92	9.56	16.54	
11	12	0.77	1.84	4.29	6.05	8.99	1.08	2.30	5.17	7.41	11.17	1.50	3.05	6.49	9.18	13.88	3.52	7.00	10.51	16.82	
	16	0.14*	1.17	3.58	5.30	8.17	0.44	1.61	4.44	6.63	10.28	0.83	2.30	5.69	8.33	12.95	2.75	6.20	9.61	15.86	
	24	-	-	2.34*	3.97	6.69	-	0.38*	3.13	5.22	8.68	-	0.97	4.26	6.80	11.25	1.34	4.75	7.97	14.09	
12	12	0.37*	1.32	3.43	4.93	7.47	0.65	1.76	4.27	6.27	9.52	1.04	2.42	5.44	7.84	11.97	2.89	6.12	9.21	14.68	
	16	-	0.63*	2.73	4.18	6.64	-	1.03	3.52	5.46	8.60	0.34*	1.64	4.62	6.96	11.00	2.05	5.25	8.24	13.66	
	24	-	-	1.50*	2.88*	5.18	-	-	2.20*	4.02	6.98	-	0.25*	3.16	5.39	9.26	0.57*	3.71	6.51	11.82	
13	12	0.03*	0.86*	2.69	3.96	6.12	0.27*	1.26	3.47	5.22	8.01	0.62*	1.84	4.49	6.62	10.22	2.29	5.27	7.99	12.67	
	16	-	0.17*	2.00*	3.24*	5.32	-	0.52*	2.72	4.41	7.10	-	1.04*	3.66	5.72	9.23	1.41	4.36	6.98	11.63	
	24	-	-	0.82*	1.99*	3.91*	-	-	1.41*	2.99*	5.50	-	-	2.21*	4.16*	7.49	-	2.76*	5.21	9.77	
14	12	-	0.47*	2.05*	3.12	4.96	-	0.82*	2.77	4.28	6.68	0.24*	1.33	3.65	5.51	8.63	1.73	4.40	6.72	10.84	
	16	-	-	1.40*	2.44*	4.19	-	0.09*	2.03*	3.48*	5.79	-	0.52*	2.83*	4.63	7.66	0.83*	3.48	5.71	9.80	
	24	-	-	-	1.26*	2.86*	-	-	0.76*	2.11*	4.23*	-	-	1.42*	3.10*	5.96	-	1.89*	3.98*	7.97	
16	12	-	-	1.11*	1.91*	3.26*	-	0.12*	1.64*	2.74*	4.52	-	0.48*	2.29*	3.66	6.00	0.76*	2.87*	3.83	7.73	
	16	-	-	-	1.30*	2.57*	-	-	0.96*	2.02*	3.70*	-	-	1.53*	2.85*	5.11	-	1.99*	3.07*	6.76	
	24	-	-	-	-	-	-	-	-	-	2.30*	-	-	-	1.47*	3.57*	-	-	1.73*	5.08*	
18	12	-	-	-	-	2.13*	-	-	0.88*	1.71*	3.05*	-	-	1.34*	2.38*	4.17	0.04*	1.73*	3.00*	5.49	
	16	-	-	-	-	1.51*	-	-	-	-	2.32*	-	-	-	1.65*	3.36*	-	0.93*	2.17*	4.61*	
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.97*	-	-	-	3.08*	
20	12	-	-	-	-	-	-	-	-	-	2.04*	-	-	-	1.50*	2.91*	-	-	1.95*	3.93*	
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.17*	-	-	-	3.13*	
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.01*	-	-	-	2.82*	
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Notes: Loads without asterisks do not exceed L/360 deflection under wind alone. Loads with asterisks do not exceed L/180 deflection under wind alone.

[illegible]

Wall Height (ft.)	O.C. (in.)	60 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(SHEATHED)					
		600S162 - (mils)					600S200 - (mils)						600S250 - (mils)					600S300 - (mils)				
		33	43	54	68	97	33	43	54	68	97		43	54	68	97		54	68	97		
8	12	2.44	4.28	9.23	13.12	21.48	2.91	5.24	10.52	15.64	25.24	-	5.51	10.74	15.90	27.81	-	11.04	16.27	30.12		
	16	1.81	3.64	8.54	12.42	20.71	2.31	4.58	9.85	14.92	24.48	-	4.87	10.09	15.22	27.05	-	10.41	15.60	29.35		
	24	0.59	2.39	7.21	11.06	19.21	1.12	3.29	8.53	13.49	22.98	-	3.60	8.83	13.87	25.57	-	9.16	14.29	27.83		
9	12	1.89	3.66	8.45	12.12	20.15	2.37	4.60	9.79	14.55	23.82	-	4.90	9.97	15.03	26.50	-	10.30	15.38	28.86		
	16	1.12	2.88	7.61	11.26	19.19	1.63	3.79	8.95	13.65	22.87	-	4.10	9.17	14.17	25.55	-	9.51	14.55	27.89		
	24	-	1.38	5.98	9.60	17.33	0.20	2.22	7.32	11.90	21.00	-	2.55	7.62	12.49	23.68	-	7.97	12.91	25.97		
10	12	1.31	3.01	7.53	11.05	18.70	1.80	3.91	8.98	13.38	22.27	-	4.24	9.14	14.06	25.07	-	9.49	14.40	27.32		
	16	0.41	2.09	6.53	10.02	17.55	0.92	2.95	7.96	12.30	21.12	-	3.28	8.18	13.01	23.91	-	8.54	13.39	26.13		
	24	-	0.34	4.64	8.07	15.33	-	1.11	6.02	10.23	18.88	-	1.45	6.32	10.99	21.64	-	6.69	11.42	23.80		
11	12	0.71	2.34	6.57	9.92	17.16	1.20	3.20	8.05	12.13	20.62	-	3.54	8.25	13.01	23.55	-	8.62	13.34	25.58		
	16	-	1.29	5.43	8.75	15.82	0.20	2.09	6.86	10.89	19.26	-	2.43	7.13	11.77	22.16	-	7.50	12.14	24.16		
	24	-	-	3.31	6.53	13.28	-	0.01	4.65	8.53	16.68	-	0.34	5.00	9.42	19.49	-	5.37	9.85	21.44		
12	12	0.12	1.66	5.60	8.77	15.57	0.60	2.46	7.08	10.86	18.90	-	2.81	7.32	11.90	21.95	-	7.71	12.22	23.74		
	16	-	0.50	4.35	7.46	14.05	-	1.23	5.75	9.46	17.35	-	1.56	6.05	10.48	20.33	-	6.43	10.85	22.10		
	24	-	-	2.05	5.03	11.23	-	-	3.29	6.86	14.45	-	-	3.67	7.82	17.29	-	4.04	8.25	19.01		
13	12	-	1.00	4.65	7.63	13.95	0.01	1.73	6.09	9.57	17.13	-	2.07	6.37	10.70	20.18	-	6.77	11.05	21.83		
	16	-	-	3.31	6.20	12.29	-	0.39	4.63	8.05	15.42	-	0.70	4.97	9.12	18.36	-	5.35	9.52	20.00		
	24	-	-	0.88*	3.61	9.24	-	-	1.99	5.25	12.26	-	-	2.39	6.20	15.00	-	2.73	6.65	16.57		
14	12	-	0.37	3.75	6.52	12.36	-	1.03	5.05	8.31	15.37	-	1.35	5.43	9.43	18.24	-	5.83	9.87	19.90		
	16	-	-	2.34	5.01	10.58	-	-	3.52	6.69	13.52	-	-	3.91	7.72	16.26	-	4.29	8.19	17.89		
	24	-	-	-	2.30*	7.37	-	-	0.77*	3.75	10.16	-	-	1.17*	4.62	12.67	-	1.48*	5.10	14.19		
16	12	-	-	2.13*	4.47	9.35	-	-	3.18	5.97	11.98	-	-	3.62	7.02	14.47	-	4.00	7.59	16.11		
	16	-	-	0.65*	2.87*	7.44	-	-	1.56*	4.22	9.97	-	-	1.96*	5.14	12.29	-	2.29*	5.68	13.84		
	24	-	-	-	0.07*	4.08*	-	-	-	1.16*	6.41*	-	-	-	1.81*	8.43	-	-	2.27*	9.78		
18	12	-	-	0.81*	2.75*	6.73	-	-	1.62*	3.95*	8.97	-	-	2.07*	4.89	11.07	-	2.35*	5.46	12.63		
	16	-	-	-	1.14*	4.80*	-	-	-	2.19*	6.92*	-	-	0.31*	2.93*	8.82	-	0.55*	3.42*	10.23		
	24	-	-	-	-	1.47*	-	-	-	-	3.35*	-	-	-	-	4.92*	-	-	-	6.03*		
20	12	-	-	-	1.37*	4.58*	-	-	0.39*	2.31*	6.44*	-	-	0.72*	3.04*	8.16	-	0.94*	3.57*	9.63		
	16	-	-	-	-	2.70*	-	-	-	0.59*	4.43*	-	-	-	1.10*	5.94*	-	-	1.49*	7.19*		
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.14*	-	-	-	3.00*		
22	12	-	-	-	-	2.86*	-	-	-	1.03*	4.39*	-	-	-	1.53*	5.77*	-	-	1.95*	6.96*		
	16	-	-	-	-	-	-	-	-	-	2.47*	-	-	-	-	3.65*	-	-	-	4.61*		
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
24	12	-	-	-	-	-	-	-	-	-	2.78*	-	-	-	-	3.86*	-	-	-	4.77*		
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.55*		
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Notes: Loads without asterisks do not exceed $L/360$ deflection under wind alone. Loads with asterisks do not exceed $L/180$ deflection under wind alone.

Wall Height (ft.)	O.C. (in.)	60 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48" (SHEATHED)															
		800S162 - (mils)								800S200 - (mils)							
		43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97
8	12	-	4.63	9.05	13.44	24.02	-	6.01	11.48	17.04	27.91	-	6.24	11.76	17.19	30.26	-
	16	-	4.18	8.60	12.97	23.51	-	5.51	10.99	16.52	27.38	-	5.75	11.28	16.69	29.73	-
	24	-	3.28	7.71	12.04	22.47	-	4.53	10.01	15.48	26.32	-	4.79	10.34	15.70	28.66	-
9	12	-	4.25	8.67	13.04	23.21	-	5.55	10.97	16.41	26.99	-	5.79	11.23	16.60	29.39	-
	16	-	3.68	8.10	12.44	22.56	-	4.92	10.35	15.75	26.32	-	5.19	10.63	15.97	28.71	-
	24	-	2.56	6.98	11.25	21.26	-	3.70	9.12	14.44	24.99	-	3.99	9.44	14.72	27.36	-
10	12	-	3.84	8.24	12.57	22.26	-	5.03	10.41	15.72	25.97	-	5.30	10.64	15.94	28.43	-
	16	-	3.14	7.53	11.83	21.46	-	4.28	9.64	14.90	25.14	-	4.56	9.90	15.16	27.59	-
	24	-	1.77	6.15	10.36	19.87	-	2.79	8.14	13.30	23.51	-	3.11	8.46	13.64	25.92	-
11	12	-	3.37	7.75	12.05	21.22	-	4.48	9.78	14.84	24.85	-	4.77	9.99	15.21	27.38	-
	16	-	2.54	6.90	11.14	20.26	-	3.58	8.87	13.87	23.86	-	3.89	9.12	14.28	26.36	-
	24	-	0.91	5.25	9.37	18.37	-	1.84	7.08	11.97	21.92	-	2.17	7.40	12.46	24.37	-
12	12	-	2.87	7.22	11.46	20.11	-	3.89	9.11	13.90	23.65	-	4.20	9.30	14.43	26.25	-
	16	-	1.89	6.22	10.38	18.98	-	2.85	8.04	12.76	22.49	-	3.17	8.28	13.33	25.05	-
	24	-	0.02	4.28	8.30	16.79	-	0.86	5.96	10.57	20.22	-	1.19	6.29	11.20	22.70	-
13	12	-	2.34	6.64	10.58	18.93	-	3.27	8.39	12.90	22.38	-	3.59	8.57	13.58	25.04	-
	16	-	1.22	5.48	9.35	17.64	-	2.10	7.16	11.61	21.04	-	2.42	7.39	12.32	23.65	-
	24	-	-	3.26	7.00	15.14	-	-	4.80	9.14	18.45	-	0.19	5.14	9.88	20.95	-
14	12	-	1.76	6.01	9.64	17.71	-	2.64	7.59	11.87	21.05	-	2.97	7.80	12.69	23.78	-
	16	-	0.51	4.69	8.27	16.25	-	1.33	6.21	10.43	19.53	-	1.66	6.48	11.26	22.19	-
	24	-	-	2.21	5.68	13.46	-	-	3.61	7.69	16.63	-	-	3.98	8.52	19.13	-
16	12	-	0.57	4.47	7.74	15.15	-	1.35	5.94	9.76	18.26	-	1.68	6.21	10.80	21.13	-
	16	-	-	2.92	6.13	13.39	-	-	4.29	8.05	16.41	-	0.11	4.62	9.04	19.15	-
	24	-	-	0.08*	3.15	10.12	-	-	1.27	4.87	12.96	-	-	1.68	5.75	15.41	-
18	12	-	-	2.93	5.88	12.58	-	0.11	4.24	7.67	15.41	-	0.40	4.60	8.72	18.04	-
	16	-	-	1.24*	4.10	10.59	-	-	2.42	5.76	13.31	-	-	2.81	6.71	15.75	-
	24	-	-	-	0.87*	6.97	-	-	-	2.30*	9.46	-	-	-	3.05	11.55	-
20	12	-	-	1.56*	4.17	10.12	-	-	2.66	5.73	12.66	-	-	3.08	6.70	14.97	-
	16	-	-	-	2.28*	7.99	-	-	0.75*	3.69	10.37	-	-	1.14*	4.53	12.47	-
	24	-	-	-	-	4.17*	-	-	-	0.07*	6.28*	-	-	-	0.64*	7.98	-
22	12	-	-	0.38*	2.66*	7.87	-	-	1.29*	3.98	10.10	-	-	1.70*	4.86	12.10	-
	16	-	-	-	0.73*	5.67*	-	-	-	1.89*	7.72	-	-	-	2.58*	9.48	-
	24	-	-	-	-	1.79*	-	-	-	-	3.54*	-	-	-	-	4.87*	-
24	12	-	-	-	1.37*	5.89*	-	-	0.14*	2.47*	7.81	-	-	0.47*	3.23*	9.50	-
	16	-	-	-	-	3.68*	-	-	-	0.39*	5.42*	-	-	-	0.89*	6.85*	-
	24	-	-	-	-	-	-	-	-	-	1.25*	-	-	-	-	2.24*	-

Wall Height (ft.)	O.C. (in.)	70 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"																(SHEATHED)			
		362S162 - (mils)					400S162 - (mils)					400S200 - (mils)					400S250 - (mils)				
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	43	54	68	97	
8	12	0.42	1.76	5.27	7.80	11.92	0.78	2.24	6.13	9.03	14.17	1.23	3.09	7.62	11.18	17.50	3.49	7.86	12.21	20.75	
	16	-	0.77	4.19	6.64	10.66	-	1.27	5.07	7.92	12.91	0.31	2.06	6.50	10.00	16.21	2.46	6.80	11.03	19.47	
	24	-	-	2.24*	4.55	8.35	-	-	3.13	5.86	10.56	-	0.15	4.43	7.80	13.78	0.54	4.82	8.81	17.06	
9	12	-	0.88	3.95	6.17	9.76	0.04	1.37	4.83	7.45	11.98	0.47	2.12	6.27	9.41	15.07	2.53	6.58	10.59	18.39	
	16	-	-	2.79	4.92	8.38	-	0.28	3.65	6.20	10.55	-	0.95	4.99	8.06	13.59	1.34	5.35	9.20	16.87	
	24	-	-	0.74*	2.70*	5.91	-	-	1.54*	3.94	7.95	-	-	2.69	5.62	10.86	-	3.10	6.66	14.07	
10	12	-	0.10*	2.78	4.67	7.77	-	0.55	3.62	5.95	9.88	-	1.19	4.87	7.69	12.70	1.58	5.30	8.86	15.78	
	16	-	-	1.59*	3.38*	6.34	-	-	2.37*	4.61	8.35	-	-	3.51	6.23	11.08	0.28	3.95	7.33	14.09	
	24	-	-	-	1.15*	3.81*	-	-	0.18*	2.24*	5.62	-	-	1.10*	3.66*	8.18	-	1.52*	4.59	11.06	
11	12	-	-	1.78*	3.38*	6.02	-	-	2.53*	4.58	7.95	-	0.36*	3.60	6.10	10.47	0.70	4.09	7.22	13.28	
	16	-	-	0.60*	2.11*	4.58*	-	-	1.27*	3.20*	6.37	-	-	2.20*	4.59	8.79	-	2.65*	5.60	11.50	
	24	-	-	-	-	2.10*	-	-	-	0.81*	3.61*	-	-	-	1.97*	5.82*	-	0.13*	2.75*	8.36	
12	12	-	-	0.96*	2.30*	4.53*	-	-	1.61*	3.38*	6.24	-	-	2.50*	4.68	8.47	-	3.01*	5.73	10.98	
	16	-	-	-	1.07*	3.13*	-	-	0.34*	2.01*	4.67*	-	-	1.10*	3.17*	6.77	-	1.52*	4.06*	9.17	
	24	-	-	-	-	-	-	-	-	-	1.95*	-	-	-	0.57*	3.82*	-	-	1.18*	6.02*	
13	12	-	-	-	1.43*	3.28*	-	-	0.83*	2.35*	4.78*	-	-	1.56*	3.46*	6.71	-	2.05*	4.42*	8.93	
	16	-	-	-	-	1.95*	-	-	-	1.01*	3.24*	-	-	0.20*	1.98*	5.04*	-	0.53*	2.74*	7.14	
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.17*	-	-	-	4.04*	
14	12	-	-	-	-	2.27*	-	-	-	1.50*	3.54*	-	-	0.79*	2.43*	5.20*	-	1.18*	3.20*	7.15	
	16	-	-	-	-	-	-	-	-	-	2.07*	-	-	-	0.99*	3.59*	-	-	1.57*	5.41*	
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.41*	
16	12	-	-	-	-	-	-	-	-	-	1.68*	-	-	-	-	2.88*	-	-	1.33*	4.33*	
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.74*	
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.41*	
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Notes: Loads without asterisks do not exceed L/360 deflection under wind alone. Loads with asterisks do not exceed L/180 deflection under wind alone.

Wall Height (ft.)	O.C. (in.)	70 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(SHEATHED)					
		600S162 - (mils)					600S200 - (mils)						600S250 - (mils)				600S300 - (mils)					
		33	43	54	68	97	33	43	54	68	97		43	54	68	97	54	68	97			
8	12	2.12	3.96	8.88	12.77	21.09	2.61	4.91	10.19	15.28	24.86	-	5.19	10.41	15.56	27.23	-	10.72	15.94	29.73		
	16	1.40	3.22	8.10	11.96	20.21	1.91	4.14	9.41	14.44	23.97	-	4.44	9.67	14.76	26.56	-	9.99	15.16	28.84		
	24	-	1.78	6.56	10.39	18.46	0.54	2.66	7.89	12.79	22.24	-	2.98	8.21	13.21	24.83	-	8.55	13.64	27.08		
9	12	1.50	3.27	8.03	11.69	19.67	2.00	4.19	9.37	14.10	23.34	-	4.50	9.57	14.59	26.02	-	9.90	14.96	28.37		
	16	0.63	2.37	7.06	10.70	18.56	1.14	3.26	8.40	13.06	22.24	-	3.58	8.65	13.60	24.92	-	8.99	14.00	27.24		
	24	-	0.65	5.19	8.79	16.42	-	1.46	6.52	11.05	20.09	-	1.80	6.86	11.67	22.77	-	7.21	12.11	25.03		
10	12	0.85	2.54	7.02	10.53	18.12	1.35	3.43	8.47	12.83	21.69	-	3.76	8.65	13.53	24.49	-	9.01	13.89	26.72		
	16	-	1.49	5.88	9.36	16.80	0.35	2.32	7.30	11.60	20.36	-	2.66	7.55	12.33	23.14	-	7.91	12.72	25.34		
	24	-	-	3.73	7.13	14.26	-	0.24	5.09	9.25	17.80	-	0.57	5.43	10.02	20.54	-	5.80	10.47	22.67		
11	12	0.20	1.80	5.99	9.33	16.48	0.69	2.64	7.49	11.50	19.94	-	2.97	7.68	12.39	22.85	-	8.06	12.74	24.86		
	16	-	0.62	4.70	7.99	14.95	-	1.38	6.10	10.08	18.38	-	1.71	6.40	10.97	21.25	-	6.78	11.37	23.24		
	24	-	-	2.32	5.48	12.07	-	-	3.60	7.42	15.44	-	-	3.98	8.30	18.22	-	4.35	8.75	20.13		
12	12	-	1.07	4.96	8.11	14.80	0.04	1.84	6.40	10.15	18.11	-	2.17	6.67	11.18	21.13	-	7.06	11.52	22.91		
	16	-	-	3.55	6.62	13.08	-	0.44	4.90	8.56	16.36	-	0.76	5.23	9.57	19.29	-	5.62	9.96	21.05		
	24	-	-	0.98*	3.90	9.90	-	-	2.15	5.64	13.08	-	-	2.55	6.56	15.85	-	2.91	7.02	17.53		
13	12	-	0.36	3.97	6.90	13.11	-	1.05	5.35	8.80	16.26	-	1.38	5.66	9.89	19.26	-	6.05	10.27	20.90		
	16	-	-	2.46	5.31	11.23	-	-	3.71	7.08	14.33	-	-	4.08	8.11	17.20	-	4.45	8.53	18.82		
	24	-	-	-	2.41*	7.83	-	-	0.77*	3.96	10.79	-	-	1.19*	4.85	13.42	-	1.51	5.31	14.96		
14	12	-	-	3.03	5.75	11.45	-	0.30	4.27	7.48	14.43	-	0.60	4.66	8.56	17.23	-	5.04	9.01	18.88		
	16	-	-	1.46*	4.06	9.46	-	-	2.56	5.66	12.35	-	-	2.96	6.65	15.02	-	3.32	7.12	16.61		
	24	-	-	-	1.06*	5.90	-	-	-	2.41*	8.62	-	-	-	3.20*	11.01	-	0.19*	3.67	12.47		
16	12	-	-	1.37*	3.65	8.37	-	-	2.35*	5.07	10.95	-	-	2.77	6.06	13.36	-	3.12	6.61	14.95		
	16	-	-	-	1.89*	6.26	-	-	0.56*	3.15*	8.72	-	-	0.93*	3.97*	10.94	-	1.22*	4.49	12.43		
	24	-	-	-	-	2.57*	-	-	-	-	4.80*	-	-	-	0.32*	6.69*	-	-	0.72*	7.94		
18	12	-	-	0.05*	1.92*	5.74*	-	-	0.78*	3.05*	7.92	-	-	1.17*	3.88*	9.91	-	1.42*	4.42	11.40		
	16	-	-	-	0.16*	3.63*	-	-	-	1.11*	5.66*	-	-	-	1.73*	7.45*	-	-	2.17*	8.75		
	24	-	-	-	-	-	-	-	-	-	1.75*	-	-	-	-	3.17*	-	-	-	4.16*		
20	12	-	-	-	0.57*	3.61*	-	-	-	1.43*	5.40*	-	-	-	2.04*	7.02*	-	0.00*	2.50*	8.37		
	16	-	-	-	-	1.57*	-	-	-	-	3.20*	-	-	-	-	4.60*	-	-	0.23*	5.71*		
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.14*		
22	12	-	-	-	-	1.95*	-	-	-	-	3.40*	-	-	-	0.58*	4.68*	-	-	0.90*	5.75*		
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.37*	-	-	-	3.18*		
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
24	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.83*	-	-	-	3.63*		
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Wall Height (ft.)	O.C. (in.)	70 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"															(SHEATHED)					
		800S162 - (mils)					800S200 - (mils)					800S250 - (mils)					800S300 - (mils)					
		43	54	68	97		43	54	68	97		43	54	68	97		54	68	97			
8	12	-	4.40	8.82	13.21	23.76	-	5.76	11.24	16.78	27.65	-	6.00	11.52	16.94	30.00	-	11.79	17.34	32.15		
	16	-	3.88	8.30	12.66	23.16	-	5.18	10.66	16.17	27.03	-	5.43	10.97	16.36	29.37	-	11.24	16.77	31.51		
	24	-	2.84	7.27	11.57	21.96	-	4.04	9.53	14.96	25.80	-	4.32	9.87	15.21	28.12	-	10.15	15.64	30.23		
9	12	-	3.97	8.38	12.74	22.88	-	5.23	10.66	16.08	26.65	-	5.49	10.93	16.21	29.05	-	11.21	16.67	31.25		
	16	-	3.31	7.72	12.04	22.12	-	4.51	9.94	15.31	25.87	-	4.78	10.23	15.55	28.26	-	10.52	15.95	30.44		
	24	-	2.01	6.42	10.66	20.61	-	3.09	8.51	13.79	24.33	-	3.39	8.85	14.11	26.69	-	9.15	14.53	28.83		
10	12	-	3.48	7.88	12.20	21.86	-	4.65	10.02	15.31	25.55	-	4.93	10.27	15.55	28.01	-	10.57	15.93	30.26		
	16	-	2.68	7.07	11.33	20.92	-	3.78	9.14	14.36	24.60	-	4.07	9.42	14.65	27.03	-	9.72	15.05	29.25		
	24	-	1.10	5.48	9.63	19.08	-	2.07	7.40	12.51	22.71	-	2.39	7.75	12.89	25.10	-	8.06	13.31	27.26		
11	12	-	2.95	7.33	11.59	20.74	-	4.03	9.32	14.35	24.36	-	4.33	9.55	14.75	26.87	-	9.87	15.11	29.15		
	16	-	1.99	6.35	10.54	19.62	-	2.99	8.27	13.23	23.21	-	3.31	8.54	13.67	25.69	-	8.86	14.06	27.94		
	24	-	0.13	4.45	8.51	17.44	-	1.00	6.21	11.04	20.96	-	1.33	6.56	11.56	23.38	-	6.90	11.99	25.55		
12	12	-	2.38	6.71	10.92	19.54	-	3.37	8.57	13.33	23.07	-	3.68	8.79	13.88	25.64	-	9.11	14.23	27.95		
	16	-	1.26	5.56	9.68	18.24	-	2.17	7.33	12.02	21.73	-	2.50	7.61	12.61	24.26	-	7.94	12.99	26.51		
	24	-	-	3.35	7.29	15.72	-	-	4.96	9.51	19.11	-	0.23	5.33	10.16	21.55	-	5.67	10.59	23.70		
13	12	-	1.77	6.05	9.96	18.28	-	2.68	7.77	12.25	21.71	-	3.00	7.98	12.95	24.34	-	8.32	13.29	26.51		
	16	-	0.49	4.72	8.55	16.79	-	1.33	6.36	10.77	20.17	-	1.66	6.63	11.49	22.74	-	6.98	11.87	24.85		
	24	-	-	2.21	5.87	13.93	-	-	3.68	7.95	17.19	-	-	4.06	8.70	19.63	-	4.40	9.13	21.63		
14	12	-	1.13	5.34	8.95	16.97	-	1.98	6.89	11.14	20.28	-	2.30	7.13	11.97	22.98	-	7.49	12.31	24.97		
	16	-	-	3.84	7.39	15.30	-	0.49	5.32	9.50	18.55	-	0.81	5.63	10.32	21.15	-	5.98	10.70	23.09		
	24	-	-	1.04	4.45	12.13	-	-	2.37	6.39	15.23	-	-	2.78	7.20	17.66	-	3.11	7.63	19.47		
16	12	-	-	3.68	6.92	14.26	-	0.57	5.10	8.89	17.32	-	0.88	5.40	9.90	20.13	-	5.76	10.23	21.74		
	16	-	-	1.94	5.10	12.27	-	-	3.25	6.95	15.23	-	-	3.61	7.91	17.87	-	3.95	8.28	19.43		
	24	-	-	-	1.76	8.58	-	-	-	3.39	11.34	-	-	0.31	4.21	13.65	-	0.59	4.63	15.10		
18	12	-	-	2.07	4.97	11.57	-	-	3.31	6.70	14.34	-	-	3.69	7.70	16.88	-	4.04	8.11	18.42		
	16	-	-	0.19*	2.98	9.34	-	-	1.28*	4.56	11.98	-	-	1.68	5.44	14.30	-	1.98	5.87	15.77		
	24	-	-	-	-	5.30*	-	-	-	0.71*	7.68	-	-	-	1.37*	9.60	-	-	1.78*	10.89		
20	12	-	-	0.66*	3.20	9.03	-	-	1.68*	4.69	11.49	-	-	2.08	5.59	13.69	-	2.39	6.07	15.18		
	16	-	-	-	1.11*	6.66	-	-	-	2.43*	8.95	-	-	-	3.17*	10.91	-	0.16*	3.61	12.27		
	24	-	-	-	-	2.44*	-	-	-	-	4.42*	-	-	-	-	5.93*	-	-	-	7.04		
22	12	-	-	-	1.67*	6.74	-	-	0.29*	2.91*	8.88	-	-	0.65*	3.69*	10.76	-	0.89*	4.17	12.16		
	16	-	-	-	-	4.31*	-	-	-	0.61*	6.26*	-	-	-	1.17*	7.86	-	-	1.56*	9.08		
	24	-	-	-	-	0.05*	-	-	-	-	1.66*	-	-	-	-	2.79*	-	-	-	3.67*		
24	12	-	-	-	0.39*	4.75*	-	-	-	1.40*	6.58*	-	-	-	2.03*	8.14	-	-	2.44*	9.43		
	16	-	-	-	-	2.32*	-	-	-	-	3.95*	-	-	-	-	5.23*	-	-	-	6.28*		
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17*	-	-	-	0.81*		

Span (ft.)	Stud Designation	600S162-43			600S162-54			600S162-68			600S162-97			600S200-43			600S200-54			600S200-68			600S200-97		
		Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)		
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
5	Strength L/360	513 808	385 606	256 404	*	*	458 499	*	*	620 615	*	*	*	582 936	437 702	291 468	*	*	497 579	*	*	*	*	*	*
6	Strength L/360	356 468	267 351	178 234	*	477 433	318 289	*	*	430 356	*	*	*	404 542	303 406	202 271	*	540 503	360 335	*	*	486 414	*	*	*
7	Strength L/360	262 295	196 221	131 147	468 364	351 273	234 182	*	474 336	316 224	*	*	462 305	297 341	223 256	149 171	529 422	396 317	264 211	*	536 391	357 261	*	*	541 357
8	Strength L/360	200 197	150 148	100 99	358 244	269 183	179 122	484 300	363 225	242 150	*	531 307	354 204	227 229	171 114	114 114	405 283	304 212	202 141	547 349	410 262	273 175	*	*	414 239
9	Strength L/360	158 139	119 104	79 69	283 171	212 128	141 86	382 211	287 158	191 105	*	420 215	280 144	180 161	135 120	90 80	320 199	240 149	160 99	432 245	324 184	216 123	*	491 252	327 168
10	Strength L/360	128 101	96 76	64 51	229 125	172 94	115 62	310 154	232 115	155 77	453 209	340 157	227 105	146 117	109 88	73 59	259 145	194 109	129 72	350 179	262 134	175 89	*	398 184	265 122
11	Strength L/360	106 76	79 57	53 38	189 94	142 70	95 47	256 116	192 87	128 58	375 157	281 118	187 79	120 88	90 66	60 44	214 109	161 82	107 54	289 134	217 101	145 67	438 184	329 138	219 92
12	Strength L/360	89 58	67 44	45 29	159 72	119 54	80 36	215 89	161 67	108 44	315 121	236 91	157 61	101 68	76 51	51 34	180 84	135 63	90 42	243 104	182 78	121 52	368 142	276 106	184 71
13	Strength L/360	76 46	57 34	38 23	136 57	102 43	68 28	183 211	137 52	92 35	268 95	201 71	134 48	86 53	65 40	43 27	153 66	115 49	77 33	207 81	155 61	104 41	314 111	235 84	157 56
14	Strength L/360	65 37	49 28	33 18	117 45	88 34	58 23	158 56	119 42	79 28	231 76	173 57	116 38	74 43	56 32	37 21	132 53	99 40	66 26	179 65	134 49	89 33	270 89	203 67	135 45
15	Strength L/360	57 30	43 22	28 15	102 37	76 28	51 18	138 46	103 34	69 23	201 62	151 47	101 31	65 35	49 26	32 17	115 43	86 32	58 21	156 53	117 40	78 26	236 73	177 54	118 36
16	Strength L/360	50 25	38 18	25 12	90 30	67 23	45 15	121 38	91 28	61 19	177 51	133 38	89 26	57 29	43 21	28 14	101 35	76 27	51 18	137 44	103 33	68 22	207 60	155 45	104 30
17	Strength L/360	44 21	33 15	22 10	79 25	59 13	40 31	107 31	80 23	54 16	157 43	118 32	78 21	50 24	38 18	25 12	90 29	67 22	45 15	121 36	91 27	61 18	183 50	138 37	92 25
18	Strength L/360	40 17	30 13	20 9	71 21	53 16	35 11	96 26	72 20	48 13	140 36	105 27	70 18	45 20	34 15	22 10	80 25	60 19	40 12	108 31	81 23	54 15	164 42	123 31	82 21
19	Strength L/360	36 15	27 11	18 7	63 18	48 14	32 9	64 22	43 17	126 11	94 31	63 23	40 15	30 17	20 13	20 9	72 21	54 16	36 11	97 26	73 20	48 13	147 36	110 27	73 18
20	Strength L/360	32 13	24 9	16 6	57 16	43 12	29 8	77 19	58 14	39 10	113 26	85 20	57 13	36 15	27 11	18 7	65 18	49 14	32 9	87 22	66 17	44 11	133 31	99 23	66 15
21	Strength L/360	29 11	22 8	15 5	52 13	39 10	26 7	70 12	53 8	35 23	103 17	77 11	51 13	33 9	25 6	17 13	59 16	44 12	29 8	79 19	60 14	40 10	120 26	90 20	60 13
22	Strength L/360	26 9	20 7	13 5	47 12	36 9	24 6	64 14	48 11	32 7	94 20	70 15	47 10	30 11	23 8	15 5	54 14	40 10	27 7	72 17	54 13	36 8	110 23	82 17	55 11
23	Strength L/360	-	-	-	43 10	32 8	22 5	59 13	44 9	29 6	86 17	64 13	43 9	28 10	21 7	14 5	49 12	37 9	24 6	66 15	50 11	33 7	100 20	75 15	50 10
24	Strength L/360	-	-	-	40 9	30 7	20 5	54 11	40 8	27 6	79 15	59 11	39 8	-	-	-	45 10	34 8	22 5	61 13	46 10	30 6	92 18	69 13	46 9
25	Strength L/360	-	-	-	-	-	-	50 10	37 7	25 5	73 13	54 10	36 7	-	-	-	41 9	31 7	21 5	56 11	42 9	28 6	85 16	64 12	42 8
26	Strength L/360	-	-	-	-	-	-	-	-	-	67 12	50 9	34 6	-	-	-	-	-	-	52 10	39 8	26 5	78 14	59 10	39 7
27	Strength L/360	-	-	-	-	-	-	-	-	-	62 11	47 8	31 5	-	-	-	-	-	-	48 9	36 7	24 5	73 12	55 9	36 6
28	Strength L/360	-	-	-	-	-	-	-	-	-	58 10	43 7	29 5	-	-	-	-	-	-	-	-	-	68 11	51 8	34 6
29	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63 10	47 8	32 5
30	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59 9	44 7	29 5
31	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Span (ft.)	Stud Designation	800S162-43			800S162-54			800S162-68			800S162-97			800S200-43			800S200-54			800S200-68			800S200-97		
		Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)		
	Strength Or Deflection	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
5	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Strength L/360	448 905	336 679	224 453	*	*	431 562	*	*	593 712	*	*	*	448 1070	336 803	224 535	*	*	445 664	*	*	*	*	*	*
7	Strength L/360	354 570	265 428	177 285	*	475 531	317 354	*	*	435 448	*	*	*	384 674	288 506	192 337	*	541 627	361 418	*	*	493 518	*	*	*
8	Strength L/360	271 382	203 286	135 191	485 474	364 356	242 237	*	500 451	333 300	*	*	532 414	310 452	233 339	155 226	*	414 420	276 280	*	*	378 347	*	*	*
9	Strength L/360	214 268	161 201	107 134	383 333	287 250	192 167	527 422	395 316	263 211	*	*	420 291	245 317	184 238	123 159	436 393	327 295	218 197	*	448 365	298 244	*	*	474 335
10	Strength L/360	173 196	130 147	87 98	310 243	233 182	155 121	427 308	320 231	213 154	*	510 318	340 212	198 231	149 173	99 116	353 287	265 215	177 143	484 355	363 266	242 178	*	*	384 244
11	Strength L/360	143 147	107 110	72 73	256 182	192 137	128 91	353 231	264 173	176 116	*	422 239	281 159	164 174	123 130	82 87	292 215	219 162	146 108	400 267	300 200	200 133	*	476 275	317 184
12	Strength L/360	120 113	90 85	60 57	216 141	162 105	108 70	296 178	222 133	148 89	473 245	354 184	236 123	138 134	103 100	69 67	245 166	184 124	123 83	336 205	252 154	168 103	*	400 212	267 141
13	Strength L/360	103 89	77 67	51 44	184 111	138 83	92 55	252 140	189 105	126 70	403 193	302 145	201 96	117 105	88 79	59 53	209 130	157 98	105 65	286 162	215 121	143 81	454 222	341 167	227 111
14	Strength L/360	88 71	66 53	44 36	158 89	119 66	79 44	218 112	163 84	109 56	347 154	260 116	174 77	101 84	76 63	51 42	180 104	135 78	90 52	247 129	185 97	123 65	392 178	294 134	196 89
15	Strength L/360	77 58	58 43	39 29	138 72	103 54	69 36	190 91	142 68	95 46	302 126	227 94	151 63	88 69	66 51	44 34	157 85	118 64	79 42	215 105	161 79	107 53	341 145	256 109	171 72
16	Strength L/360	68 48	51 36	34 24	121 59	91 44	61 30	167 75	125 56	83 38	266 103	199 73	133 52	78 56	58 42	39 28	138 70	104 52	69 35	189 87	142 65	94 43	300 119	225 89	150 60
17	Strength L/360	60 40	45 30	30 20	107 49	81 37	54 25	148 63	111 47	74 31	235 86	177 65	118 43	69 47	52 35	34 24	122 58	92 44	61 29	167 72	125 54	84 36	266 99	199 75	133 50
18	Strength L/360	54 34	40 25	27 17	96 42	72 31	48 21	132 53	99 40	66 26	210 73	158 54	105 36	61 40	46 30	31 20	109 49	82 52	55 25	149 61	112 46	75 30	237 84	178 63	118 42
19	Strength L/360	48 29	36 21	24 14	86 35	64 27	43 18	118 45	89 34	59 22	189 62	141 46	94 31	55 34	41 25	27 17	98 42	73 31	49 21	134 52	100 39	67 26	213 71	160 53	106 36
20	Strength L/360	43 24	33 18	22 12	78 30	58 23	39 15	107 38	80 29	53 19	170 53	128 40	85 26	50 29	37 22	25 14	88 36	66 27	44 18	121 44	91 33	60 22	192 61	144 46	96 31
21	Strength L/360	39 21	29 16	20 11	70 26	53 20	35 13	97 33	73 25	48 17	154 46	116 34	77 23	45 25	34 19	23 12	80 31	60 23	40 15	110 38	82 29	55 19	174 53	131 40	87 26
22	Strength L/360	36 18	27 14	18 9	64 23	48 17	32 11	88 29	66 22	44 14	141 40	105 30	70 20	41 22	31 16	21 11	73 27	55 20	37 13	100 33	75 25	50 17	159 46	119 34	79 23
23	Strength L/360	33 16	25 12	16 8	59 20	44 15	29 10	81 25	60 19	40 13	129 35	96 26	64 17	38 19	28 14	19 10	67 24	50 18	33 12	91 29	69 22	46 15	145 40	109 30	73 20
24	Strength L/360	30 14	23 11	15 7	54 18	40 13	27 9	74 22	56 17	37 11	118 31	89 23	59 15	34 17	26 13	17 8	61 21	46 16	31 10	84 26	63 19	42 13	133 35	100 27	67 18
25	Strength L/360	28 13	21 9	14 6	50 16	37 12	25 8	68 20	51 15	34 10	109 27	82 20	54 14	32 15	24 11	16 7	57 18	42 14	28 9	77 23	58 17	39 11	123 31	92 23	61 16
26	Strength L/360	26 11	19 8	13 6	46 14	34 10	23 7	63 17	47 13	32 9	101 24	76 18	50 12	29 13	22 10	15 7	52 16	39 12	26 8	72 20	54 15	36 10	114 28	85 21	57 14
27	Strength L/360	24 10	18 7	12 5	43 12	32 9	21 6	59 16	44 12	29 8	93 22	70 16	47 11	27 12	20 9	14 6	48 15	36 11	24 7	66 18	50 14	33 9	105 25	79 19	53 12
28	Strength L/360	-	-	-	40	30	20	54	41	27	87	65	43	25	19	13	45	34	23	62	46	31	98	73	49
29	Strength L/360	-	-	-	11	8	6	14	11	7	19	14	10	11	8	5	13	10	7	16	12	8	22	17	11
30	Strength L/360	-	-	-	37	28	18	51	38	25	81	61	40	24	18	12	42	32	21	57	43	29	91	68	46
31	Strength L/360	-	-	-	10	7	5	13	9	6	17	13	9	9	7	5	12	9	6	15	11	7	20	15	10
32	Strength L/360	-	-	-	-	-	-	47	36	24	76	57	38	-	-	-	39	29	20	54	40	27	85	64	43
33	Strength L/360	-	-	-	-	-	-	11	9	6	16	12	8	-	-	-	11	8	5	13	10	7	18	14	9
34	Strength L/360	-	-	-	-	-	-	44	33	22	71	53	35	-	-	-	37	28	18	50	38	25	80	60	40
35	Strength L/360	-	-	-	-	-	-	10	8	5	14	11	7	-	-	-	10	7	5	12	9	6	16	12	8
36	Strength L/360	-	-	-	-	-	-	42	31	21	66	50	33	-	-	-	-	-	-	47	35	24	75	56	37
37	Strength L/360	-	-	-	-	-	-	9	7	5	13	10	6	-	-	-	-	-	-	11	8	5	15	11	7
38	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Span (ft.)	Stud Designation	800S250-43			800S250-54			800S250-68			800S250-97			800S300-54			800S300-68			800S300-97			-		
		Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			-		
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	-	-	-
5	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Strength L/360	448 1210	336 905	224 604	*	*	445 724	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
7	Strength L/360	384 760	288 570	192 380	*	*	378 456	*	*	519 581	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
8	Strength L/360	326 509	244 382	163 255	*	434 458	289 305	*	*	397 389	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
9	Strength L/360	258 358	193 268	129 179	457 429	343 322	228 214	*	471 410	314 273	*	*	504 383	470 459	352 344	235 229	*	486 442	324 294	*	*	525 422	-	-	-
10	Strength L/360	209 261	156 196	104 130	370 313	278 235	185 156	508 399	381 299	254 199	*	*	408 279	380 334	285 251	190 167	525 429	393 322	262 215	*	*	425 308	-	-	-
11	Strength L/360	172 196	129 147	86 98	306 235	229 176	153 117	420 300	315 225	210 150	*	506 314	337 210	314 251	236 188	157 126	434 322	325 242	217 161	*	*	351 231	-	-	-
12	Strength L/360	145 151	109 113	72 75	257 181	193 136	128 90	353 231	265 173	177 115	*	425 242	284 161	264 193	198 145	132 97	364 248	273 186	182 124	*	443 267	295 178	-	-	-
13	Strength L/360	123 119	93 89	62 59	219 142	164 107	109 71	301 181	226 136	150 91	483 254	362 190	242 127	225 152	169 114	113 76	310 195	233 147	155 98	503 280	377 210	252 140	-	-	-
14	Strength L/360	106 95	80 71	53 48	189 114	142 85	94 57	259 145	195 109	130 73	417 203	312 152	208 102	194 122	146 91	97 61	268 156	201 117	134 78	434 224	325 168	217 112	-	-	-
15	Strength L/360	93 77	70 58	46 39	164 93	123 69	82 46	226 118	169 89	113 59	363 165	272 124	181 83	169 99	127 74	85 50	233 127	175 95	117 64	378 182	283 137	189 91	-	-	-
16	Strength L/360	81 64	61 48	41 32	145 76	108 57	72 38	199 97	149 73	99 49	319 136	239 102	159 68	149 82	111 61	74 41	205 105	154 79	102 52	332 150	249 113	166 75	-	-	-
17	Strength L/360	72 53	54 40	36 27	128 64	96 48	64 32	176 81	132 61	88 41	283 114	212 85	141 57	132 68	99 51	66 34	182 87	136 66	91 44	294 125	221 94	147 63	-	-	-
18	Strength L/360	64 45	48 34	32 22	114 54	86 40	57 27	157 68	118 51	78 34	252 96	189 72	126 48	117 57	88 43	59 29	162 74	121 55	81 37	262 106	197 79	131 53	-	-	-
19	Strength L/360	58 38	43 29	29 19	103 46	77 34	51 23	141 58	106 44	70 22	226 86	170 61	113 41	105 49	79 37	53 24	145 63	109 47	73 31	236 90	177 67	118 45	-	-	-
20	Strength L/360	52 33	39 24	26 16	93 39	69 29	46 20	127 50	95 37	64 25	204 70	153 52	102 35	95 42	71 31	48 21	131 54	98 40	66 27	213 77	159 58	106 38	-	-	-
21	Strength L/360	47 28	35 21	24 14	84 34	63 25	42 17	115 43	86 32	58 22	185 60	139 45	93 30	86 36	65 27	43 18	119 46	89 35	59 23	193 67	145 50	96 33	-	-	-
22	Strength L/360	43 24	32 18	22 12	76 29	57 22	38 15	105 37	79 28	53 19	169 52	127 39	84 26	79 21	59 14	39 16	108 40	81 30	54 20	176 58	132 43	88 29	-	-	-
23	Strength L/360	39 21	30 16	20 11	70 26	52 19	35 13	96 33	72 25	48 16	154 46	116 34	77 23	72 27	54 21	36 14	99 35	74 26	50 18	161 51	121 38	80 25	-	-	-
24	Strength L/360	36 19	27 14	18 9	64 23	48 17	32 11	66 29	44 11	22 9	142 40	106 30	71 20	66 24	50 18	33 12	91 23	68 16	46 13	148 45	111 33	74 22	-	-	-
25	Strength L/360	33 17	25 13	17 8	59 20	44 15	30 10	81 26	61 19	41 13	131 36	98 27	65 18	61 21	46 16	30 11	84 27	63 21	42 14	136 39	102 30	68 20	-	-	-
26	Strength L/360	31 15	23 11	15 7	55 18	41 13	27 9	75 23	56 17	38 11	121 32	91 24	60 16	56 19	42 14	28 10	78 24	58 18	39 12	126 35	94 26	63 18	-	-	-
27	Strength L/360	29 13	21 10	14 7	51 16	38 12	25 8	70 20	52 15	35 10	112 28	84 21	56 14	52 17	39 13	26 8	72 22	54 16	36 11	87 31	58 23	16 16	-	-	-
28	Strength L/360	27 12	20 9	13 6	47 14	35 11	24 7	65 18	49 14	32 9	104 25	78 19	52 13	49 15	36 11	24 8	67 20	50 15	33 10	108 28	81 21	54 14	-	-	-
29	Strength L/360	25 11	19 8	12 5	44 13	33 10	22 6	60 16	45 12	30 8	97 23	73 17	49 11	45 14	34 10	23 7	62 18	47 13	31 9	101 25	76 19	51 13	-	-	-
30	Strength L/360	23 10	17 7	12 5	41 12	31 9	21 6	56 15	42 11	28 7	91 21	68 15	45 12	42 12	32 9	21 6	58 16	44 12	29 8	94 23	71 17	47 11	-	-	-
31	Strength L/360	-	-	-	39 10	29 8	19 5	53 13	40 10	26 7	85 19	64 14	42 9	40 11	30 8	20 6	55 14	41 11	27 7	88 21	66 16	44 10	-	-	-
32	Strength L/360	-	-	-	36 10	27 7	18 5	50 12	37 9	25 6	80 17	60 13	40 9	37 10	28 8	19 5	51 13	38 10	26 7	83 19	62 14	42 9	-	-	-
33	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	35 9	26 7	17 5	48 12	36 9	24 6	78 17	59 13	39 9	-	-	-
34	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45 11	34 8	23 5	74 16	55 12	37 8	-	-	-
35	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43 10	32 8	21 5	69 14	52 11	35 7	-	-	-
36	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Span (ft.)	Stud Designation	1000S162-54			1000S162-68			1000S162-97			-			1000S200-54			1000S200-68			1000S200-97			-		
		Spacing (in.)			Spacing (in.)			Spacing (in.)			-			Spacing (in.)			Spacing (in.)			Spacing (in.)			-		
	Strength Or Deflection	12	16	24	12	16	24	12	16	24	-	-	-	12	16	24	12	16	24	12	16	24	-	-	-
5	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Strength L/360	471 557	354 418	236 279	* *	494 535	329 357	* *	* *	* *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Strength L/360	382 406	286 305	191 203	* *	400 390	267 260	* *	* *	438 370	-	-	-	424 465	318 348	212 232	* *	458 445	305 296	* *	* *	495 422	-	-	-
11	Strength L/360	316 305	237 229	158 153	441 391	330 293	220 195	* *	* *	362 278	-	-	-	364 349	273 262	182 175	504 445	378 334	252 223	* *	* *	409 317	-	-	-
12	Strength L/360	265 235	199 176	133 117	370 301	278 226	185 150	* *	456 321	304 214	-	-	-	306 269	230 202	153 134	424 343	318 257	212 172	* *	* *	344 244	-	-	-
13	Strength L/360	226 185	169 139	113 92	315 237	237 177	158 118	* *	389 253	259 168	-	-	-	261 211	196 159	130 106	361 270	271 202	180 135	* *	440 288	293 192	-	-	-
14	Strength L/360	195 148	146 111	97 74	272 189	204 142	136 95	447 270	335 202	223 135	-	-	-	225 169	169 127	112 85	311 216	233 162	156 108	* *	379 231	253 154	-	-	-
15	Strength L/360	170 120	127 90	85 60	237 154	178 116	118 77	389 219	292 164	195 110	-	-	-	196 138	147 103	98 69	271 176	203 132	136 88	440 250	330 187	220 125	-	-	-
16	Strength L/360	149 99	112 74	75 50	208 127	156 95	104 63	342 181	257 136	171 90	-	-	-	172 113	129 85	86 57	238 145	179 109	119 72	387 206	290 154	194 103	-	-	-
17	Strength L/360	132 83	99 62	66 41	184 106	138 79	92 53	303 151	227 113	151 75	-	-	-	153 95	114 71	76 47	211 121	158 91	106 60	343 172	257 129	171 86	-	-	-
18	Strength L/360	118 70	88 52	59 35	165 89	123 67	82 45	270 127	203 95	135 63	-	-	-	136 80	102 60	68 40	188 102	141 76	94 51	306 145	229 108	153 72	-	-	-
19	Strength L/360	106 59	79 44	53 30	148 76	111 57	74 38	243 108	182 81	121 54	-	-	-	122 68	92 51	61 34	169 86	127 65	84 43	274 123	206 92	137 61	-	-	-
20	Strength L/360	95 51	72 38	48 25	133 65	100 49	67 32	219 93	164 69	109 46	-	-	-	110 58	83 44	55 29	153 74	114 56	76 37	248 105	186 79	124 53	-	-	-
21	Strength L/360	87 44	65 33	43 22	121 56	91 42	60 28	199 80	149 60	99 40	-	-	-	100 50	75 38	50 25	138 64	104 48	69 32	225 91	168 68	112 46	-	-	-
22	Strength L/360	79 38	59 29	39 19	110 49	83 37	55 24	181 70	136 52	90 35	-	-	-	91 44	68 33	46 22	126 56	95 42	63 28	205 79	154 59	102 40	-	-	-
23	Strength L/360	72 33	54 25	36 17	101 43	76 32	50 21	166 61	124 46	83 30	-	-	-	83 38	63 29	42 19	115 49	86 37	58 24	187 69	140 52	94 35	-	-	-
24	Strength L/360	66 29	50 22	33 15	93 38	69 28	46 19	152 54	114 40	76 27	-	-	-	77 34	57 25	38 17	106 43	79 32	53 21	172 61	129 46	86 31	-	-	-
25	Strength L/360	61 26	46 19	31 13	85 33	64 25	43 17	140 47	105 36	70 24	-	-	-	71 30	53 22	35 15	98 38	73 28	49 19	159 54	119 40	79 27	-	-	-
26	Strength L/360	56 23	42 17	28 12	79 30	59 22	39 15	130 42	97 32	65 21	-	-	-	65 26	49 20	33 13	90 34	68 25	45 17	147 48	110 36	73 24	-	-	-
27	Strength L/360	52 21	39 15	26 10	73 26	55 20	37 13	120 38	90 28	60 19	-	-	-	60 24	45 18	30 12	84 30	63 23	42 15	136 43	102 32	68 21	-	-	-
28	Strength L/360	49 18	37 14	24 9	68 24	51 18	34 12	112 34	84 25	56 17	-	-	-	56 21	42 16	28 11	78 27	58 20	39 14	126 38	95 29	63 19	-	-	-
29	Strength L/360	45 17	34 12	23 8	63 21	48 16	32 11	104 30	78 23	52 15	-	-	-	52 19	39 14	26 10	73 24	54 18	36 12	118 35	88 26	59 17	-	-	-
30	Strength L/360	42 15	32 11	21 8	59 19	44 14	30 10	97 27	73 21	49 14	-	-	-	49 17	37 13	24 9	68 22	51 16	34 11	110 31	83 23	55 16	-	-	-
31	Strength L/360	40 14	30 10	20 7	55 17	42 13	28 9	91 25	68 19	46 12	-	-	-	46 16	34 12	23 8	63 20	48 15	32 10	103 28	77 21	52 14	-	-	-
32	Strength L/360	37 12	28 9	19 6	52 16	39 12	26 8	86 23	64 17	43 11	-	-	-	43 14	32 11	22 7	60 18	45 9	30 26	97 19	73 13	48 13	-	-	-
33	Strength L/360	35 11	26 8	18 6	49 14	37 11	24 7	80 21	60 15	40 10	-	-	-	40 13	30 10	20 6	56 16	42 12	28 8	91 23	68 18	45 12	-	-	-
34	Strength L/360	33 10	25 8	17 5	46 13	35 10	23 7	76 19	57 14	38 9	-	-	-	38 12	29 9	19 6	53 15	40 11	26 8	86 21	64 16	43 11	-	-	-
35	Strength L/360	31 9	23 7	16 5	44 12	33 9	22 6	71 17	54 13	36 9	-	-	-	36 11	27 8	18 5	50 14	37 7	25 20	81 20	61 15	40 10	-	-	-
36	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	34 10	26 7	17 5	47 13	35 10	24 6	76 18	57 14	38 9	-	-	-
37	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Stud Designation	1000S250-54			1000S250-68			1000S250-97			-			1000S300-54			1000S300-68			1000S300-97			-		
Span (ft.)	Strength Or Deflection	Spacing (in.)			Spacing (in.)			Spacing (in.)			-			Spacing (in.)			Spacing (in.)			Spacing (in.)			-		
		12	16	24	12	16	24	12	16	24	-	-	-	12	16	24	12	16	24	12	16	24	-	-	-
5	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Strength L/360	424 532	318 399	212 266	* *	483 509	322 339	* *	* *	*	-	-	-	424 559	318 419	212 280	* *	499 544	333 363	* *	* *	*	-	-	-
11	Strength L/360	384 400	288 300	192 200	* *	399 382	266 255	* *	* *	435 358	-	-	-	386 420	289 315	193 210	* *	413 409	275 273	* *	* *	452 392	-	-	-
12	Strength L/360	323 308	242 231	161 154	447 393	336 294	224 196	* *	* *	365 275	-	-	-	333 324	250 243	166 162	462 420	347 315	231 210	* *	* *	380 302	-	-	-
13	Strength L/360	275 242	206 182	138 121	381 309	286 232	191 154	* *	467 325	311 217	-	-	-	284 254	213 191	142 127	394 330	295 248	197 165	* *	485 356	324 237	-	-	-
14	Strength L/360	237 194	178 145	119 97	329 247	247 185	164 124	* *	403 260	268 173	-	-	-	245 204	183 153	122 102	340 265	255 198	170 132	* *	418 285	279 190	-	-	-
15	Strength L/360	207 158	155 118	103 79	286 201	215 151	143 100	468 282	351 212	234 141	-	-	-	213 166	160 124	107 83	296 215	222 161	148 108	486 309	365 232	243 154	-	-	-
16	Strength L/360	182 130	136 97	91 65	252 166	189 124	126 83	411 232	308 174	206 116	-	-	-	187 136	140 102	94 68	260 177	195 133	130 89	427 254	320 191	214 127	-	-	-
17	Strength L/360	161 108	121 81	80 54	223 138	167 104	111 69	364 194	273 145	182 97	-	-	-	166 114	124 85	83 57	230 148	173 111	115 74	378 212	284 159	189 106	-	-	-
18	Strength L/360	144 91	108 68	72 46	199 116	149 87	99 58	325 163	244 122	162 82	-	-	-	148 96	111 72	74 48	205 124	154 93	103 62	338 179	253 134	169 89	-	-	-
19	Strength L/360	129 78	97 58	64 39	178 99	134 74	89 49	292 139	219 104	146 69	-	-	-	133 82	100 61	66 41	184 106	138 79	92 53	303 152	227 114	151 76	-	-	-
20	Strength L/360	116 67	87 50	58 33	161 85	121 64	81 42	263 119	197 89	132 60	-	-	-	120 70	90 52	60 35	166 91	125 68	83 45	273 130	205 98	137 65	-	-	-
21	Strength L																								

Span (ft.)	Stud Designation	1200S162-68			1200S162-97			1200S200-68			1200S200-97			1200S250-68			1200S250-97			1200S300-68			1200S300-97		
		Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)		
	Strength Or Deflection	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
5	Strength	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Strength	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Strength	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Strength	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Strength	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Strength	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Strength	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Strength	434	326	217	*	*	366	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Strength	370	278	185	*	467	311	428	321	214	*	355	457	342	228	*	379	475	356	237	*	*	395	491	367
14	Strength	362	272	181	*	396	264	411	308	206	*	298	455	341	227	*	334	511	383	256	*	*	340	436	317
15	Strength	319	239	160	*	403	269	369	277	185	*	459	394	295	197	*	490	327	409	307	205	*	*	340	436
16	Strength	290	218	145	*	317	211	329	247	165	*	358	364	273	182	*	401	268	409	307	205	*	*	294	389
17	Strength	278	209	139	468	351	234	322	241	161	*	400	267	343	257	171	*	427	285	356	267	178	*	445	296
18	Strength	236	177	118	344	258	172	268	201	134	*	291	296	222	148	*	326	218	333	250	166	*	358	239	317
19	Strength	244	183	122	411	308	206	283	212	141	469	352	234	301	226	151	*	375	250	313	235	157	*	391	261
20	Strength	194	146	97	283	213	142	221	165	110	320	240	160	244	183	122	*	269	179	274	206	137	*	295	197
21	Strength	216	162	108	364	273	182	251	188	125	415	311	208	267	200	134	443	332	222	277	208	139	462	346	231
22	Strength	162	122	81	236	177	118	184	138	92	267	200	133	203	152	102	299	224	149	229	171	114	328	246	164
23	Strength	193	145	97	325	244	162	223	168	112	370	278	185	238	179	119	395	296	198	248	186	124	412	309	206
24	Strength	137	102	68	199	149	100	155	116	77	225	169	112	171	128	86	252	189	126	193	144	96	277	207	138
25	Strength	173	130	87	292	219	146	201	150	100	332	249	166	214	160	107	355	266	177	222	167	111	370	277	185
26	Strength	116	87	58	169	127	85	132	99	66	191	143	96	146	109	73	214	161	107	164	123	82	235	176	118
27	Strength	156	117	78	263	197	132	181	136	91	300	225	150	193	145	96	320	240	160	200	150	100	334	250	167
28	Strength	100	75	50	145	109	73	113	85	56	164	123	82	125	94	62	184	138	92	140	105	70	202	151	101
29	Strength	142	106	71	239	179	119	164	123	82	272	204	136	175	131	87	290	218	145	182	136	91	303	227	151
30	Strength	86	64	43	125	94	63	98	73	49	142	106	71	108	81	54	159	119	79	121	91	61	174	131	87
31	Strength	129	97	65	218	163	109	150	112	75	248	186	124	159	120	80	265	198	132	166	124	83	276	207	138
32	Strength	75	56	37	109	82	55	85	64	42	123	92	62	94	70	47	138	103	69	105	79	53	152	114	76
33	Strength	118	89	59	199	149	100	137	103	68	227	170	113	146	109	73	242	182	121	152	114	76	252	189	126
34	Strength	65	49	33	95	72	48	74	56	37	108	81	54	82	62	41	121	91	60	92	69	46	133	99	66
35	Strength	109	81	54	183	137	91	126	94	63	208	156	104	134	100	67	222	167	111	139	104	70	232	174	116
36	Strength	58	43	29	84	63	42	65	49	33	95	71	47	72	54	36	106	80	53	81	61	41	117	88	58
37	Strength	100	75	50	168	126	84	116	87	58	192	144	96	123	93	62	205	154	102	128	96	64	213	160	107
38	Strength	51	38	25	74	56	37	58	43	29	84	63	42	64	48	32	94	70	47	72	54	36	103	77	52
39	Strength	93	69	46	156	117	78	107	80	54	178	133	89	114	86	57	189	142	95	119	89	59	197	148	99
40	Strength	45	34	23	66	50	33	51	39	26	75	56	37	57	43	28	84	63	42	64	48	32	92	69	46
41	Strength	86	64	43	144	108	72	99	74	50	165	123	82	106	79	53	176	132	88	110	83	55	183	137	92
42	Strength	40	30	20	59	44	29	46	34	23	67	50	33	51	38	25	75	56	37	57	43	29	82	61	41
43	Strength	80	60	40	134	101	67	92	69	46	153	115	77	98	74	49	163	122	82	102	77	51	170	128	85
44	Strength	36	27	18	53	40	26	41	31	21	60	45	30	46	34	23	67	50	33	51	38	26	73	55	37
45	Strength	74	56	37	125	94	63	86	65	43	143	107	71	92	69	46	152	114	76	95	72	48	159	119	79
46	Strength	33	24	16	48	36	24	37	28	19	54	40	27	41	31	20	60	45	30	46	35	23	66	50	33
47	Strength	70	52	35	117	88	58	80	60	40	133	100	67	86	64	43	142	107	71	89	67	45	148	111	74
48	Strength	29	22	15	43	32	21	33	25	17	49	36	24	37	28	18	54	41	27	42	31	21	60	45	30
49	Strength	65	49	33	110	82	55	75	57	38	125	94	62	80	60	40	133	100	67	83	63	42	139	104	69
50	Strength	27	20	13	39	29	19	30	23	15	44	33	22	34	25	17	49	37	25	38	28	19	54	41	27
51	Strength	61	46	31	103	77	51	71	53	35	117	88	59	75	57	38	125	94	63	78	59	39	130	98	65
52	Strength	24	18	12	35	27	18	28	21	14	40	30	20	30	23	15	45	34	22	34	26	17	49	37	25
53	Strength	57	43	29	97	73	48	66	50	33	110	83	55	71	53	35	118	88	59	74	55	37	123	92	61
54	Strength	22	17	11	32	24	16	25	19	13	36	27	18	28	21	14	41	31	20	31	23	16	45	34	22
55	Strength	54	41	27	91	68	46	63	47	31	104	78	52	67	50	33	111	83	55	69	52	35	115	87	58
56	Strength	20	15	10	30	22	15	23	17	11	33	25	17	25	19	13	37	28	19	29	21	14	41	31	21
57	Strength	51	38	26	86	64	43	59	44	30	98	73	49	63	47	31	105	78	52	65	49	33	109	82	54
58	Strength	19	14	9	27	20	14	21	16	11	31	23	15	23	17	12	34	26	17	26	20	13	38	28	19
59	Strength	48	36	24	81	61	41	56	42	28	93	69	46	60	45	30	99	74	49	62	46	31	103	77	51
60	Strength	17	13	9	25	19	12	19	15	10	28	21	14	21	16	11	31	24	16	24	18	12	35	26	17
61	Strength	46	34	23	77	58	38	53	40	26	88	66	44	56	42	28	94	70	47	59	44	29	97	73	49
62	Strength	16	12	8	23	17	11	18	13	9	26	19	13	20	15	10	29	22	14	22	17	11	32	24	16
63	Strength	43	32	22	73	55	36	50	38	25	83	62	42	53	40	27	89	67	44	56	42	28	92	69	46
64	Strength	15	11	7	21	16	11	16	12	8	24	18	12	18	14	9	27	20	13	20	15	10	29	22	15
65	Strength	-	-	-	-	-	-	48	36	24	79	59	39	51	38	25	84	63	42	53					

Span (ft.)	Stud Designation	1400S162-68			1400S162-97			1400S200-68			1400S200-97			1400S250-68			1400S250-97			1400S300-68			1400S300-97		
		Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)		
	Strength Or Deflection	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
5	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Strength L/360	417 519	313 389	209 259	*	*	358 383	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Strength L/360	360 415	270 311	180 208	*	463 460	309 307	420 469	315 352	210 235	*	*	355 345	431 516	324 387	216 258	*	*	381 384	431 545	324 409	216 273	*	*	399 415
15	Strength L/360	313 338	235 253	157 169	*	403 374	269 249	366 381	275 286	183 191	*	463 420	309 280	394 420	296 315	197 210	*	*	332 312	403 443	302 333	201 222	*	*	348 337
16	Strength L/360	275 278	207 209	138 139	473 411	355 308	236 206	322 314	241 236	161 157	*	407 346	272 231	346 346	260 259	173 173	*	438 386	292 257	363 365	272 274	181 183	*	458 417	306 278
17	Strength L/360	244 232	183 174	122 116	419 343	314 257	209 171	285 262	214 196	143 131	481 385	361 289	241 193	307 288	230 216	153 144	*	388 322	258 214	322 305	241 228	161 152	*	406 348	271 232
18	Strength L/360	218 195	163 147	109 98	374 289	280 217	187 144	254 221	191 166	127 110	429 324	322 243	215 162	274 243	205 182	137 121	461 361	346 271	231 181	287 257	215 192	143 128	483 391	362 293	241 195
19	Strength L/360	195 166	146 125	98 83	335 246	251 184	168 123	228 188	171 141	114 94	385 276	289 207	193 138	246 207	184 155	123 103	414 307	310 230	257 218	193 164	129 109	433 332	325 249	217 166	
20	Strength L/360	176 142	132 107	88 71	303 211	227 158	151 105	206 161	154 121	103 80	348 236	261 177	174 118	222 177	166 133	111 89	373 263	280 197	187 132	232 187	174 140	116 94	391 285	293 214	196 142
21	Strength L/360	160 123	120 92	80 62	274 182	206 136	137 91	187 139	140 104	93 69	315 204	236 153	158 102	201 153	151 115	101 76	339 227	254 171	169 114	211 162	158 121	105 81	355 246	266 184	177 123
22	Strength L/360	146 107	109 80	73 54	250 158	188 119	125 79	170 121	128 91	85 60	287 178	215 133	144 89	183 133	137 100	92 67	309 198	231 148	154 99	192 141	144 105	96 70	323 214	242 160	162 107
23	Strength L/360	133 94	100 70	67 47	229 138	172 104	114 69	156 106	117 79	78 53	263 155	197 117	131 78	168 116	126 87	84 58	282 173	212 130	141 87	176 123	132 92	88 62	296 187	222 140	148 94
24	Strength L/360	122 82	92 62	61 41	210 122	158 91	105 61	143 93	107 70	72 47	241 137	181 103	121 68	154 102	115 77	77 51	259 152	195 114	130 76	161 108	121 81	81 54	272 165	204 124	136 82
25	Strength L/360	113 73	85 55	56 36	194 108	145 81	97 54	132 82	99 62	66 41	222 121	167 91	111 61	142 91	106 68	71 45	239 135	179 101	120 67	149 96	112 72	74 48	250 146	188 109	125 73
26	Strength L/360	104 65	78 49	52 32	179 96	134 72	90 48	122 73	91 55	61 37	206 108	154 81	103 54	131 81	98 60	66 40	221 120	166 90	110 60	137 85	103 64	69 43	231 130	174 97	116 65
27	Strength L/360	97 58	73 43	48 29	166 86	125 64	83 43	113 65	85 49	57 33	191 96	143 72	95 48	122 54	91 36	61 107	205 107	154 80	102 54	127 76	96 57	64 38	215 116	161 87	107 58
28	Strength L/360	90 52	67 39	45 26	154 77	116 58	77 38	105 59	79 44	53 29	177 86	133 65	89 43	113 65	85 48	57 32	191 96	143 72	95 48	119 68	89 51	59 34	200 104	150 78	100 52
29	Strength L/360	84 47	63 35	42 23	144 69	108 52	72 35	98 53	73 40	49 26	165 78	124 58	83 39	105 58	79 44	53 29	178 86	133 65	89 43	110 61	83 46	55 31	186 93	140 70	93 47
30	Strength L/360	78 42	59 32	39 21	134 62	101 47	67 31	92 48	69 36	46 24	154 70	116 53	77 35	99 52	74 39	49 26	166 78	124 59	83 39	103 55	77 42	52 28	174 84	130 63	87 42
31	Strength L/360	73 38	55 29	37 19	126 57	94 42	63 28	86 43	64 32	43 22	145 63	108 48	72 32	92 48	69 36	46 24	155 71	117 53	78 35	97 50	73 38	48 25	163 76	122 57	81 38
32	Strength L/360	69 35	52 26	34 17	118 51	89 39	59 26	80 39	60 29	40 20	136 58	102 43	68 29	87 30	65 22	43 22	146 64	109 48	73 32	91 46	68 34	45 23	153 70	115 52	76 35
33	Strength L/360	65 32	49 24	32 16	111 47	83 35	56 23	76 36	57 27	38 18	128 53	96 39	64 26	81 30	61 20	41 59	137 44	103 29	69 42	85 31	64 21	43 15	144 63	108 48	72 32
34	Strength L/360	61 29	46 22	30 14	105 43	79 32	52 21	71 33	53 25	36 16	120 48	90 36	60 24	77 36	58 25	38 18	129 54	97 40	65 27	80 38	60 29	40 19	135 58	102 43	68 29
35	Strength L/360	58 27	43 20	29 13	99 39	74 29	49 20	67 30	50 23	34 15	113 33	85 22	57 13	72 22	54 25	36 17	122 49	91 37	61 25	76 35	57 26	38 17	128 53	96 40	64 27
36	Strength L/360	54 24	41 18	27 12	93 36	70 27	47 18	64 28	48 21	32 14	107 41	80 30	54 20	68 30	51 23	34 15	115 45	86 34	58 23	72 32	54 24	36 16	121 49	91 37	60 24
37	Strength L/360	52 22	39 17	26 11	88 33	66 25	44 17	60 25	45 19	30 13	102 37	76 28	60 19	65 28	49 21	32 14	109 42	82 31	55 21	68 30	51 22	34 15	114 45	86 34	57 22
38	Strength L/360	49 21	37 16	24 10	84 31	63 23	42 15	57 23	43 18	29 12	96 34	72 26	48 17	61 26	46 19	31 13	103 38	78 29	52 19	64 27	48 20	32 14	108 42	81 31	54 21
39	Strength L/360	46 19	35 14	23 10	80 28	60 21	40 14	54 22	41 16	27 11	91 32	69 24	46 16	58 24	44 18	29 12	98 36	74 27	49 18	61 25	46 19	31 13	103 38	77 29	51 19
40	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Span (ft.)	Stud Designation	1000S162-54			1000S162-68			1000S162-97			-			1000S200-54			1000S200-68			1000S200-97			-		
		Spacing (in.)			Spacing (in.)			Spacing (in.)			-			Spacing (in.)			Spacing (in.)			Spacing (in.)			-		
		12	16	24	12	16	24	12	16	24	-	-	-	12	16	24	12	16	24	12	16	24	-	-	-
5	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Strength L/360	471 557	354 418	236 279	* *	598 535	399 357	* *	* *	* *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Strength L/360	424 406	318 305	212 203	* *	485 390	323 260	* *	* *	481 370	-	-	-	424 465	318 348	212 232	* *	544 445	363 296	* *	* *	548 422	-	-	-
11	Strength L/360	386 305	289 229	193 153	534 391	401 293	267 195	* *	* *	397 278	-	-	-	386 349	289 262	193 175	600 445	450 334	300 223	* *	* *	453 317	-	-	-
12	Strength L/360	327 235	245 176	164 117	449 301	337 226	224 150	* *	501 321	334 214	-	-	-	354 269	265 202	177 134	504 343	378 257	252 172	* *	* *	380 244	-	-	-
13	Strength L/360	279 185	209 139	139 92	382 237	287 177	191 118	* *	427 253	284 168	-	-	-	302 211	227 159	151 106	429 270	322 202	215 135	* *	486 288	324 192	-	-	-
14	Strength L/360	240 148	180 111	120 74	330 189	247 142	165 95	491 270	368 202	245 135	-	-	-	261 169	196 127	130 85	370 216	278 162	185 108	* *	419 231	280 154	-	-	-
15	Strength L/360	209 120	157 90	105 60	287 154	215 116	144 77	427 219	321 164	214 110	-	-	-	227 138	170 103	114 69	323 176	242 132	161 88	487 250	365 187	244 125	-	-	-
16	Strength L/360	184 99	138 74	92 50	252 127	189 95	126 63	376 181	282 136	188 90	-	-	-	200 113	150 85	100 57	283 145	213 109	142 72	428 206	321 154	214 103	-	-	-
17	Strength L/360	163 83	122 62	82 41	224 106	168 79	112 53	333 151	250 113	166 75	-	-	-	177 95	133 71	88 47	251 121	188 91	126 60	379 172	284 129	190 86	-	-	-
18	Strength L/360	145 70	109 52	73 35	199 89	150 67	100 45	297 127	223 95	148 63	-	-	-	158 80	118 60	79 40	224 102	168 76	112 51	338 145	254 108	169 72	-	-	-
19	Strength L/360	131 59	98 44	65 30	179 76	134 57	90 38	266 108	200 81	133 54	-	-	-	142 68	106 51	71 34	201 86	151 65	101 43	304 123	228 92	152 61	-	-	-
20	Strength L/360	118 51	88 38	59 25	162 65	121 49	81 32	240 93	180 69	120 46	-	-	-	128 58	96 44	64 29	181 74	136 56	91 37	274 105	205 79	137 53	-	-	-
21	Strength L/360	107 44	80 33	53 22	147 52	110 42	73 28	218 80	164 60	109 40	-	-	-	116 50	87 38	58 25	165 64	123 48	82 32	248 91	186 68	124 46	-	-	-
22	Strength L/360	97 38	73 29	49 19	134 49	100 37	67 24	199 70	149 52	99 35	-	-	-	106 44	79 33	53 22	150 56	112 42	75 28	226 79	170 59	113 40	-	-	-
23	Strength L/360	89 33	67 25	45 17	122 43	92 32	61 21	182 61	136 46	91 30	-	-	-	97 38	72 29	48 19	137 49	103 37	69 24	207 69	155 52	104 35	-	-	-
24	Strength L/360	82 29	61 22	41 15	112 38	84 28	56 19	167 54	125 40	83 27	-	-	-	89 34	67 25	44 17	126 43	94 32	63 21	190 61	143 46	95 31	-	-	-
25	Strength L/360	75 26	57 19	38 13	103 33	78 25	52 17	154 47	115 36	77 24	-	-	-	82 30	61 22	41 15	116 38	87 28	58 19	175 54	131 40	88 27	-	-	-
26	Strength L/360	70 23	52 17	35 12	96 30	72 22	48 15	142 42	107 32	71 21	-	-	-	76 26	57 20	38 13	107 34	81 25	54 17	162 48	122 36	81 24	-	-	-
27	Strength L/360	65 21	48 15	32 10	89 26	66 20	44 13	132 38	99 28	66 19	-	-	-	70 24	53 18	35 12	100 30	75 23	50 15	150 43	113 32	75 21	-	-	-
28	Strength L/360	60 18	45 14	30 9	82 24	62 18	41 12	123 34	92 25	61 17	-	-	-	65 21	49 16	33 11	93 27	69 20	46 14	140 38	105 29	70 19	-	-	-
29	Strength L/360	56 17	42 12	28 8	77 21	58 16	38 11	114 30	86 23	57 15	-	-	-	61 19	46 14	30 10	86 24	65 18	43 12	130 35	98 26	65 17	-	-	-
30	Strength L/360	52 15	39 11	26 8	72 19	54 14	36 10	107 27	80 21	53 14	-	-	-	57 17	43 13	28 9	81 22	60 16	40 11	122 31	91 23	61 16	-	-	-
31	Strength L/360	49 14	37 10	25 7	67 17	50 13	34 9	100 25	75 19	50 12	-	-	-	53 16	40 12	27 8	76 20	57 15	38 10	114 28	86 21	57 14	-	-	-
32	Strength L/360	46 12	35 9	23 6	63 16	47 12	32 8	94 23	70 17	47 11	-	-	-	50 14	37 11	25 7	71 18	53 14	35 9	107 26	80 19	54 13	-	-	-
33	Strength L/360	43 11	32 8	22 6	59 14	45 11	30 7	88 21	66 15	44 10	-	-	-	47 13	35 10	23 6	67 16	50 12	33 8	101 23	75 18	50 12	-	-	-
34	Strength L/360	41 10	31 8	20 5	56 13	42 10	28 7	83 19	62 14	42 9	-	-	-	44 12	33 9	22 6	63 15	47 11	31 8	95 21	71 16	47 11	-	-	-
35	Strength L/360	38 9	29 7	19 5	53 12	40 9	26 6	78 17	59 13	39 9	-	-	-	42 11	31 8	21 5	59 14	44 10	30 7	89 20	67 15	45 10	-	-	-
36	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	39 10	30 7	20 5	56 13	42 10	28 6	85 18	63 14	42 9	-	-	-
37	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Span (ft.)	Stud Designation	1200S162-68			1200S162-97			1200S200-68			1200S200-97			1200S250-68			1200S250-97			1200S300-68			1200S300-97		
		Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)		
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
5	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Strength L/360	551 461	413 346	275 230	*	*	426 336	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Strength L/360	469 362	352 272	235 181	*	545 396	363 264	526 411	394 308	263 206	*	414 298	533 455	400 341	267 227	*	447 334	544 511	408 383	272 256	*	*	517 367		
14	Strength L/360	405 290	304 218	202 145	*	470 317	313 211	453 329	340 247	227 165	*	535 358	357 239	460 364	345 273	230 182	*	578 401	385 268	506 409	379 307	253 205	*	*	446 294
15	Strength L/360	353 236	264 177	176 118	545 344	409 258	273 172	395 268	296 201	197 134	*	466 291	311 194	401 296	301 222	200 148	*	504 326	336 218	442 333	331 250	221 166	*	583 358	389 239
16	Strength L/360	310 194	232 146	155 97	479 283	359 213	240 142	347 221	260 165	174 110	546 320	409 240	273 160	352 244	264 183	176 122	*	443 269	295 179	388 274	291 206	194 137	*	512 295	342 197
17	Strength L/360	275 162	206 122	137 81	425 236	318 177	212 118	307 184	231 138	154 92	484 267	363 200	242 133	312 203	234 152	156 102	523 299	392 224	261 149	344 229	258 171	172 114	605 328	454 246	303 164
18	Strength L/360	245 137	184 102	122 68	379 199	284 149	189 100	274 155	206 116	137 77	431 225	324 169	216 112	278 171	209 128	139 86	466 252	350 189	233 126	307 193	230 144	153 96	540 277	405 207	270 138
19	Strength L/360	220 116	165 87	110 58	340 169	255 127	170 85	246 132	185 99	123 66	387 191	290 143	194 96	250 146	187 109	125 73	418 214	314 161	209 107	275 164	207 123	138 82	484 235	363 176	242 118
20	Strength L/360	198 100	149 75	99 50	307 145	230 109	153 73	222 113	167 85	111 56	349 164	262 123	175 82	225 125	169 94	113 62	378 184	283 138	189 92	249 140	186 105	124 70	437 202	328 151	219 101
21	Strength L/360	180 86	135 64	90 43	278 125	209 94	139 63	201 98	151 73	101 49	317 142	238 106	158 71	204 108	153 81	102 54	343 159	257 119	171 79	225 121	169 91	113 61	397 174	297 131	198 87
22	Strength L/360	164 75	123 56	82 37	254 109	190 82	127 55	184 85	138 64	92 42	289 123	217 92	144 62	186 94	140 70	93 47	312 138	234 103	156 69	205 105	154 79	103 53	361 152	271 114	181 76
23	Strength L/360	150 65	112 49	75 33	232 95	174 72	116 48	168 74	126 56	84 37	264 108	198 81	132 54	170 82	128 62	85 41	286 121	214 91	143 60	188 92	141 69	94 46	331 133	248 99	165 66
24	Strength L/360	138 58	103 43	69 29	213 84	160 63	107 42	154 65	116 49	77 33	243 95	182 71	121 47	157 72	117 54	78 36	262 106	197 80	131 53	173 81	129 61	86 41	304 117	228 88	152 58
25	Strength L/360	127 51	95 38	63 25	196 74	147 56	98 37	142 58	107 43	71 29	224 84	168 63	112 42	144 64	108 48	72 32	242 94	181 70	121 47	159 72	119 54	80 36	280 103	210 77	140 52
26	Strength L/360	117 45	88 34	59 23	182 66	136 50	91 33	131 51	99 39	66 26	207 75	155 56	103 37	133 57	100 43	67 28	223 84	168 63	112 42	147 64	110 48	74 32	259 92	194 69	129 46
27	Strength L/360	109 40	82 30	54 20	168 59	126 44	84 29	122 46	91 34	61 23	192 67	144 50	96 33	124 51	93 38	62 25	207 75	155 37	104 57	136 43	102 29	68 19	240 82	180 61	120 41
28	Strength L/360	101 36	76 27	51 18	157 53	117 40	78 26	113 41	85 31	57 21	178 60	134 45	89 30	115 46	86 34	57 23	193 67	145 50	96 33	127 51	95 38	63 26	223 73	167 55	112 37
29	Strength L/360	94 33	71 24	47 16	146 48	109 36	73 24	106 37	79 28	53 19	166 54	125 40	83 27	107 41	80 31	54 20	180 60	135 45	90 30	118 46	89 35	59 23	208 66	156 50	104 33
30	Strength L/360	88 29	66 22	44 15	136 43	102 32	68 21	99 33	74 25	49 17	155 49	116 36	78 24	100 37	75 28	50 18	168 54	126 41	84 27	110 42	83 31	55 21	194 60	146 45	97 30
31	Strength L/360	83 27	62 20	41 13	128 39	96 29	64 19	92 30	69 23	46 15	145 44	109 33	73 22	94 34	70 25	47 17	157 49	118 37	79 25	103 38	78 28	52 19	182 54	136 41	91 27
32	Strength L/360	77 24	58 18	39 12	120 35	90 27	60 18	87 28	65 21	43 14	136 40	102 30	68 20	88 30	66 23	44 15	148 45	111 34	74 22	97 34	73 26	49 17	171 49	128 37	85 25
33	Strength L/360	73 22	55 17	36 11	113 32	85 24	56 16	82 25	61 19	41 13	128 36	96 27	64 18	83 28	62 21	41 14	139 41	104 31	69 20	91 31	68 23	46 16	161 45	120 34	80 22
34	Strength L/360	69 20	51 15	34 10	106 30	80 22	53 15	77 23	58 17	38 11	121 33	91 25	60 17	78 25	58 19	39 13	131 37	98 28	65 19	86 29	65 21	43 14	151 41	113 31	76 21
35	Strength L/360	65 19	49 14	32 9	100 27	75 20	50 14	73 21	54 16	36 11	114 31	86 23	57 15	74 23	55 17	37 12	123 34	92 26	62 17	81 26	61 20	41 13	143 38	107 28	71 19
36	Strength L/360	61 17	46 13	31 9	95 25	71 19	47 12	69 15	51 10	34 10	108 28	81 21	54 14	70 21	52 16	35 11	117 31	87 24	58 18	77 24	58 18	38 12	135 35	101 26	67 17
37	Strength L/360	58 16	43 12	29 8	90 23	67 17	45 11	65 18	49 13	32 9	102 26	77 19	51 13	66 20	49 15	33 10	110 29	83 22	55 14	73 22	54 17	36 11	128 32	96 24	64 16
38	Strength L/360	55 15	41 11	27 7	85 21	64 16	42 11	62 16	46 12	31 8	97 24	73 18	48 12	62 14	47 9	31 27	105 20	78 13	52 20	69 15	52 10	34 29	121 22	91 15	61 15
39	Strength L/360	-	-	-	-	-	-	58 15	44 11	29 8	92 22	69 17	46 11	59 17	44 13	30 8	99 25	74 19	50 12	65 19	49 14	33 9	115 27	86 20	57 14
40	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Span (ft.)	Stud Designation	1400S162-68			1400S162-97			1400S200-68			1400S200-97			1400S250-68			1400S250-97			1400S300-68			1400S300-97		
		Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)		
	Strength Or Deflection	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
5	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Strength L/360	465 519	348 389	232 259	*	*	436 383	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Strength L/360	431 415	324 311	216 208	*	564 460	376 307	431 469	324 352	216 235	*	*	427 345	431 516	324 387	216 258	*	*	460 384	431 545	324 409	216 273	*	*	487 415
15	Strength L/360	403 338	302 253	201 169	*	491 374	328 249	403 381	302 286	201 191	*	558 420	372 280	403 420	302 315	201 210	*	*	401 312	403 443	302 333	201 222	*	*	425 337
16	Strength L/360	367 278	275 209	184 141	576 308	432 206	288 206	378 314	283 236	189 157	*	490 346	327 231	378 346	283 259	189 173	*	528 386	352 257	378 365	283 274	189 183	*	560 417	373 278
17	Strength L/360	325 232	244 174	163 116	510 343	383 257	255 171	355 262	266 196	178 131	579 385	434 289	290 193	355 288	266 216	178 144	*	468 322	312 214	355 305	266 228	178 152	*	496 348	331 232
18	Strength L/360	290 195	218 147	145 98	455 289	341 217	227 144	324 221	243 166	162 110	517 324	387 243	258 162	328 243	246 182	164 121	556 361	417 271	278 181	336 257	252 192	168 128	590 391	442 293	295 195
19	Strength L/360	260 166	195 125	130 83	408 246	306 184	204 123	291 188	218 141	146 94	464 276	348 207	232 138	295 207	221 155	147 103	499 307	374 230	250 154	304 218	228 164	152 109	529 332	397 249	265 166
20	Strength L/360	235 142	176 107	118 71	368 211	276 158	184 105	263 161	197 121	131 80	418 236	314 177	209 118	266 177	200 133	133 89	451 263	338 197	225 132	274 187	205 140	137 94	478 285	358 214	239 142
21	Strength L/360	213 123	160 92	107 62	334 182	251 136	167 91	238 139	179 104	119 69	380 204	285 153	190 102	241 153	181 115	121 76	409 227	307 171	204 114	248 162	186 121	124 81	433 246	325 184	217 123
22	Strength L/360	194 107	146 80	97 54	305 158	228 119	152 79	217 121	163 91	109 60	346 178	259 133	173 89	220 133	165 100	110 67	372 198	279 148	186 99	226 141	170 105	113 70	395 214	296 160	197 107
23	Strength L/360	178 94	133 70	89 47	279 138	209 104	139 69	199 106	149 79	99 53	316 155	237 117	158 78	201 116	151 87	101 58	341 173	256 130	170 87	155 123	104 92	361 62	271 187	181 94	
24	Strength L/360	163 82	122 62	82 41	256 122	192 91	128 61	182 93	137 70	91 47	291 137	218 103	145 68	185 102	139 77	92 51	313 152	235 114	156 76	190 108	143 81	95 54	332 165	249 124	166 82
25	Strength L/360	150 73	113 55	75 36	236 108	177 81	118 54	168 82	126 62	84 41	268 121	201 91	134 61	170 91	128 68	85 45	288 135	216 101	144 67	175 96	131 72	88 48	306 146	229 109	153 73
26	Strength L/360	139 65	104 49	70 32	218 96	164 72	109 48	155 73	117 55	78 37	248 108	186 81	124 54	157 81	118 60	79 40	267 120	200 90	133 60	162 85	122 64	81 43	283 130	212 97	141 65
27	Strength L/360	129 58	97 43	64 29	202 86	152 64	101 43	144 65	108 49	72 33	230 96	172 72	115 48	146 72	109 54	73 36	247 107	185 80	124 54	150 76	113 57	75 38	262 116	197 87	131 58
28	Strength L/360	120 52	90 39	60 26	188 77	141 58	94 38	134 59	101 44	67 29	213 86	160 65	107 43	136 65	102 48	68 32	230 96	172 72	115 48	140 68	105 51	70 34	244 104	183 78	122 52
29	Strength L/360	112 47	84 35	56 23	175 69	131 52	88 35	125 53	94 40	62 26	199 78	149 58	100 39	127 58	95 44	63 29	214 86	161 65	107 43	130 61	98 46	65 31	227 93	170 70	114 47
30	Strength L/360	104 42	78 32	52 21	164 62	123 47	82 31	117 48	88 36	58 24	186 70	139 53	93 35	118 89	89 59	59 26	200 78	150 59	100 39	122 55	91 42	61 28	212 84	159 63	106 42
31	Strength L/360	98 38	73 29	49 19	153 57	115 42	77 28	109 43	82 32	55 22	174 63	131 48	87 32	111 48	83 36	55 24	188 71	141 53	114 35	86 50	57 38	199 25	149 76	99 57	38
32	Strength L/360	92 35	69 26	46 17	144 51	108 39	72 26	103 39	77 29	51 20	163 58	123 43	82 29	104 43	78 22	52 22	176 64	132 48	88 32	107 46	80 34	54 23	187 70	140 52	93 35
33	Strength L/360	86 32	65 24	43 16	135 47	102 35	68 23	96 36	72 27	48 18	154 53	115 39	77 26	98 39	73 20	49 59	166 44	124 29	83 42	101 21	75 31	50 21	175 63	132 48	88 32
34	Strength L/360	81 29	61 22	41 14	128 43	96 32	64 21	91 33	68 25	45 16	145 48	109 36	72 24	92 36	69 27	46 18	156 54	117 40	88 27	95 38	71 29	47 19	165 58	124 43	83 29
35	Strength L/360	77 27	58 20	38 13	120 39	90 29	60 20	86 30	64 23	43 15	137 44	102 33	68 22	87 33	65 25	43 17	147 49	110 37	74 25	89 35	67 26	45 17	156 53	117 40	78 27
36	Strength L/360	73 24	54 18	36 12	114 36	85 27	57 18	81 28	61 21	41 14	129 41	97 30	65 20	82 30	62 23	41 15	139 45	104 34	70 23	85 32	63 24	42 16	147 49	111 37	74 24
37	Strength L/360	69 22	52 17	34 11	108 33	81 25	54 17	77 25	58 19	38 13	122 37	92 28	61 19	78 28	53 21	39 14	132 42	99 31	66 21	80 30	60 22	40 15	140 45	105 34	70 22
38	Strength L/360	65 21	49 16	33 10	102 31	77 23	51 15	73 23	55 18	36 12	116 34	87 26	58 17	74 26	55 19	37 13	125 38	94 29	62 19	76 27	57 20	38 14	132 42	99 31	66 21
39	Strength L/360	62 19	46 14	31 10	97 28	73 21	48 14	69 22	52 16	35 11	110 32	83 24	55 16	70 24	52 18	35 12	119 36	89 27	59 18	72 25	54 19	36 13	126 38	94 29	63 19
40	Strength L/360	-	-	-	-	-	-	66 20	49 15	33 10	105 30	78 22	52 15	67 22	50 17	33 11	113 33	84 25	56 16	68 23	51 18	34 12	119 36	90 27	60 18



RELATED ORGANIZATIONS

CGSB	Canadian General Standards Board	ASTM	American Society for Testing and Materials
CSA	Canadian Standards Association	CSC	Construction Specifications Canada
NRC	National Research Council of Canada	ULC	Underwriters Laboratory of Canada
CSSBI	Canadian Sheet Steel Building Institute	CMHC	Canada Mortgage and Housing Association
CFSEI	Cold-Formed Steel Engineers Institute	CSCC	Canadian Steel Construction Council
NASFA	North American Steel Framing Alliance	CISC	Canadian Institute for Steel Construction



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