

LIGHTWEIGHT STEEL FRAMING
WALL STUD & FLOOR JOIST
LOAD TABLES



BAILEY[®]
METAL PRODUCTS LIMITED



MONTREAL • TORONTO • CALGARY • EDMONTON • VANCOUVER

THE STRENGTH WITHIN



BAILEY METAL PRODUCTS LIMITED

Founded in 1950, Bailey Metal Products has grown to be Canada's largest manufacturer of lightweight steel framing products for commercial and residential construction. Our products include structural Lightweight Steel Framing (LSF), Non-loadbearing steel framing, drywall trims and accessories, ceiling grid, ComSlab[®] composite floor system, and vinyl and paper-faced metal bead. Bailey manufacturing facilities are located in Vancouver, Calgary, Edmonton, Toronto, and Montreal. We ship across Canada and the United States, as well as to our export customers around the world.

LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN (LEED[®])

The LEED[®] rating system is a third party certification program for green buildings. It was developed to foster innovative, environmentally friendly and energy efficient design and construction of buildings in North America. Bailey products contribute greatly towards building LEED[®] certification in the **Materials & Resources** LEED[®] credit category. More specifically, our products can contribute to LEED[®] credit attainment within **MR** sub-categories of **Construction Waste Management, Recycled Content** and **Regional Materials**.

Additionally, through our partnership with ArcelorMittal Dofasco, Bailey Metal Products is an authorized manufacturer of building products eligible for use of both the EcoLogo and Asthma Society of Canada designation. When designing your next LEED[®] building project, please contact your nearest Bailey Division for more information.



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.

Disclaimer: Please note that we have taken all possible steps to ensure that the information within this publication is accurate and complies with accepted industry practice at the time of publication. However, Bailey Metal Products Limited assumes no responsibility and expressly disclaims all liability for errors or omissions in, and use or interpretation by others, of any direct, indirect, special, incidental or consequential damage or any other damages whatsoever and howsoever caused, arising out of or in connection with the use of or in reliance on the information included in this brochure. We strongly recommend that this information only be used in conjunction with advice from a qualified professional regarding its suitability for any specific application, and we reserve the right to change the information included herein without notification.

Copyright © September 2012. All rights reserved. This publication, nor any part thereof, may not be reproduced in any form without the written permission of the publisher.



Commentary	C-1 to C-14
Introduction	C-1
Section Geometries	C-1
Stud & Joist Section Properties Tables	C-1 to C-2
Track & Bridging Channel Section Properties Tables	C-3
Wind Bearing Stud Allowance Height Tables	C-3 to C-4
Combined Wind and Axial Load Bearing Stud Tables	C-4 to C-6
Floor Joist Load Tables	C-6 to C-7
Computer Output Symbols	C-8 to C-9
Product Identification	C-10
Design Examples	C-10 to C-13
Section Dimensions Drawings	C-14
Section Properties Tables - Stud, Joist, Bridging Channel & Track	1-10
Imperial Stud Section Properties Table	1-2
Metric Stud Section Properties Table	3-4
Imperial Joist Section Properties Table	5-6
Metric Joist Section Properties Table	7-8
Imperial Bridging Channel Section Properties Table	6
Metric Bridging Channel Section Properties Table	8
Imperial Track Section Properties Table	9
Metric Track Section Properties Table	10
Wind Bearing Stud Tables	11-16
Combined Axial & Lateral Loadbearing Stud Tables	17-40
Unsheathed	17-28
Sheathed	29-40
Floor Joist Load Tables	41-54
$k_{\phi} = 0_{\min}$	41-47
$k_{\phi} \geq k_{\phi \min}$	48-54

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_t 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- Δ (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- Δ (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).

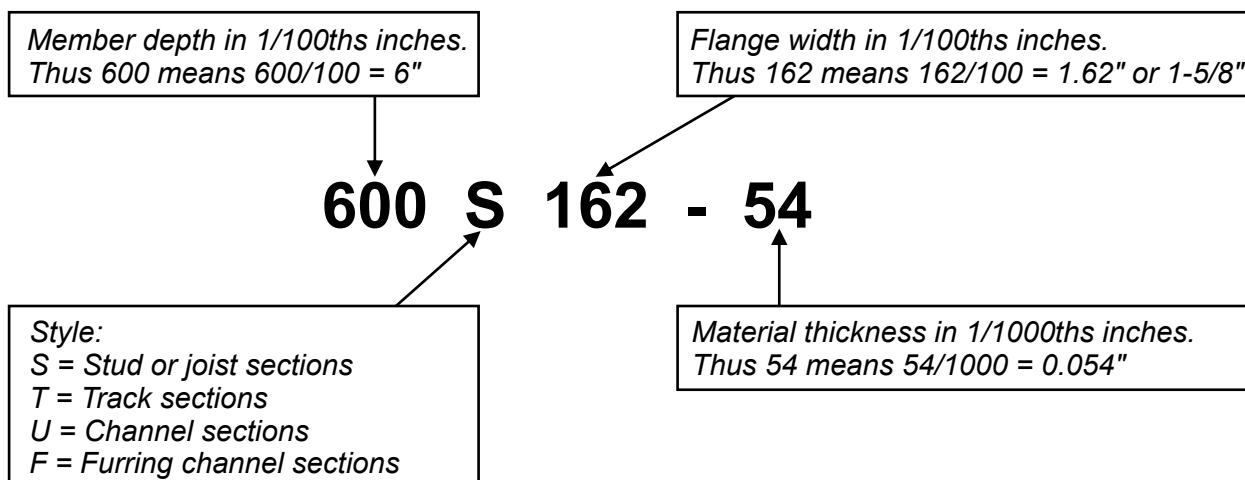
Notes:

- 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:

$$k_{\phi} \geq k_{\phi_{min}} \\ \geq 0.653 \text{ kips from the Joist Section Property Tables}$$

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 = $16.7 > 10.0 \text{ ft.}$

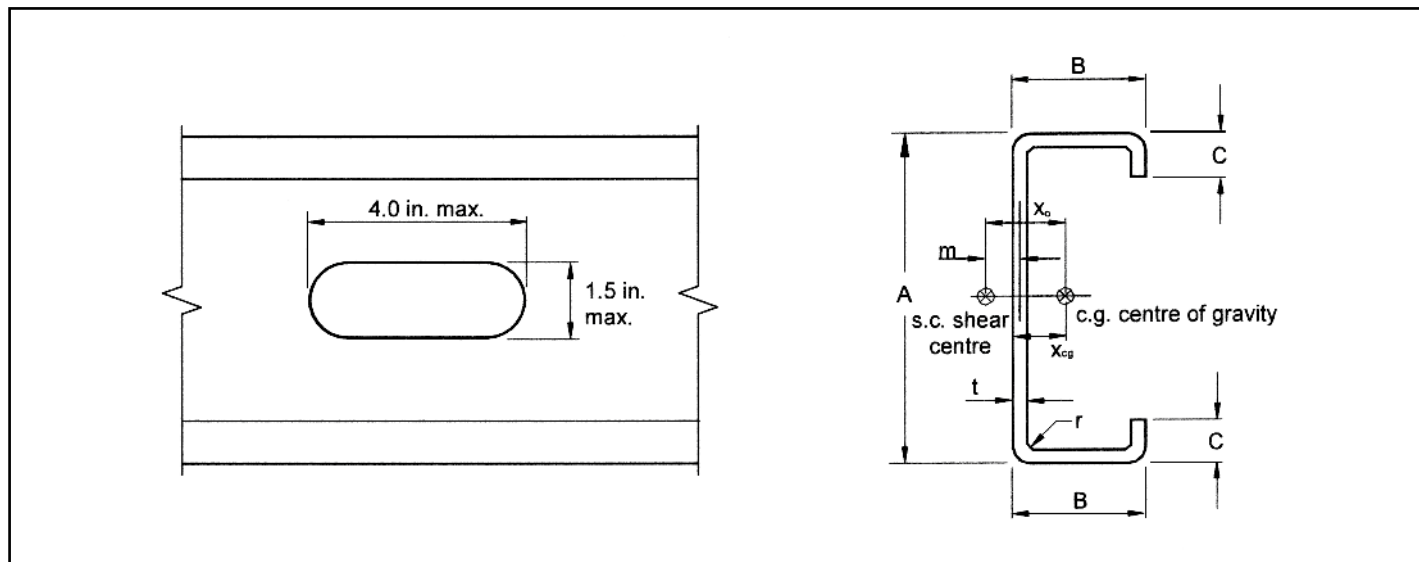
OK

Conclusion:

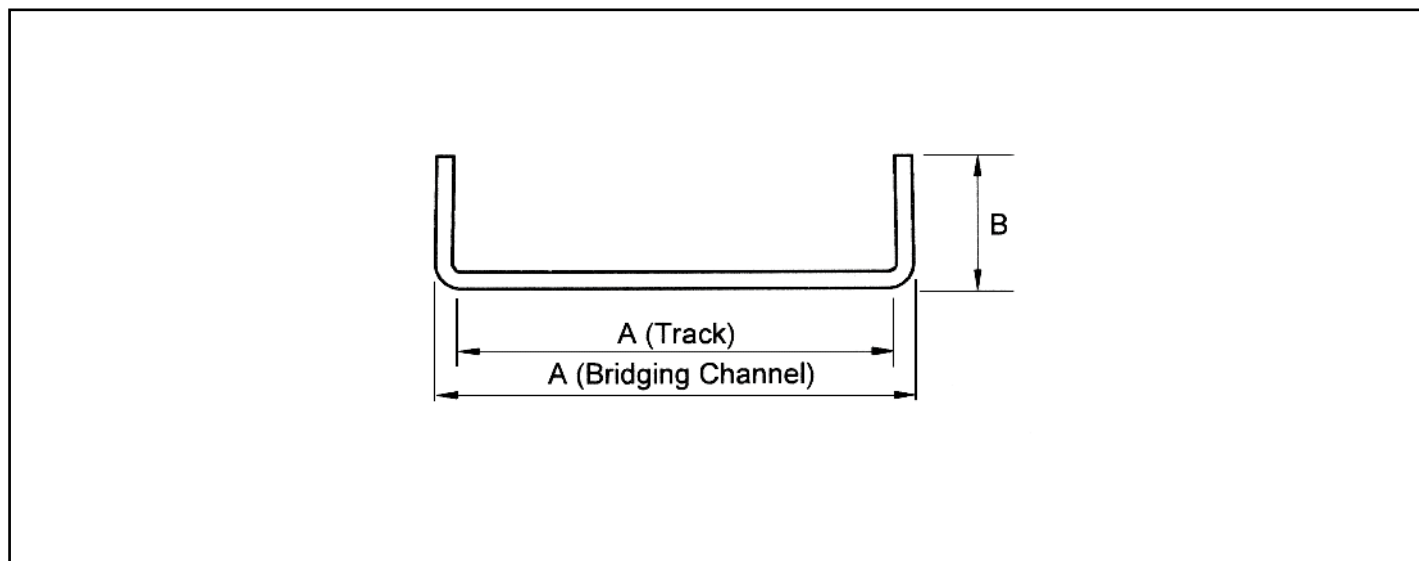
Use 600S162-54 (50 ksi) spaced at 16" o.c. with 2 lines of bridging arranged so that the maximum spacing does not exceed 48" o.c. See Commentary Item 7.3.3.

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)	x _{cg} (in.)	m (in.)	x _c (in.)	C _u (in. ²)	J (in. ⁴)	j (in.)	r _x (in.)	r _y (in.)	M _{u, LB} (in.kips)	L _u (in.)	M _{u, LB} web.comp (in.kips)	M _{u, 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)	
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	0.000571	2.74	1.50	0.940	24.60	51.9	13.10	13.70	4.31	1.200	1.210	0.4730	0.668	
362S250-68	0.0713	3.625	2.500	0.625	2.27	50	0.666	0.941	1.260	2.170	1.840	0.001130	2.73	1.50	0.931	32.10	52.0	16.50	16.70	5.59	1.780	1.490	0.5780	0.822	
362S250-97	0.1017	3.625	2.500	0.625	3.16	50	0.927	0.938	1.240	2.130	2.450	0.003200	2.72	1.48	0.913	48.40	52.4	22.30	22.30	7.61	2.400	2.030	0.7730	1.120	
400S125-33	0.0346	4.000	1.250	0.188	0.77	33	0.228	0.290	0.465	0.738	0.118	0.000091	2.36	1.53	0.407	7.09	28.4	1.12	1.17	1.25	0.314	0.531	0.0377	0.265	
400S125-43	0.0451	4.000	1.250	0.188	1.00	33	0.295	0.291	0.459	0.727	0.148	0.000200	2.36	1.52	0.402	9.85	28.2	1.45	1.47	2.22	0.525	0.682	0.0476	0.341	
400S125-54	0.0566	4.000	1.250	0.188	1.24	50	0.365	0.290	0.451	0.713	0.178	0.000390	2.41	1.51	0.394	17.90	22.7	2.63	2.66	4.31	1.190	0.835	0.0568	0.418	
400S162-33	0.0346	4.000	1.625	0.500	0.94	33	0.275	0.512	0.768	1.260	0.363	0.000110	2.25	1.59	0.611	9.87	42.3	2.56	2.74	1.25	0.314	0.692	0.1030	0.346	
400S162-43	0.0451	4.000	1.625	0.500	1.21	33	0.357	0.513	0.761	1.250	0.460	0.000242	2.25	1.58	0.606	13.20	42.1	3.38	3.50	2.22	0.525	0.892	0.1310	0.446	
400S162-54	0.0566	4.000	1.625	0.500	1.51	50	0.443	0.512	0.754	1.240	0.560	0.000473	2.25	1.57	0.600	24.00	34.1	6.25	6.45	4.31	1.190	1.100	0.1590	0.549	
400S162-68	0.0713	4.000	1.625	0.500	1.87	50	0.550	0.511	0.745	1.220	0.677	0.000933	2.26	1.56	0.591	30.30	34.0	7.71	7.77	6.23	1.760	1.350	0.1920	0.673	
400S162-97	0.1017	4.000	1.625	0.500	2.59	50	0.762	0.508	0.725	1.180	0.889	0.002630	2.30	1.54	0.573	40.80	34.0	10.10	10.10	8.52	2.380	1.810	0.2500	0.907	
400S200-33	0.0346	4.000	2.000	0.625	1.05	33	0.310	0.698	1.010	1.690	0.697	0.000124	2.46	1.62	0.769	10.80	53.1	3.85	4.01	1.25	0.314	0.812	0.1830	0.406	
400S200-43	0.0451	4.000	2.000	0.625	1.37	33	0.402	0.698	1.000	1.680	0.886	0.000272	2.45	1.61	0.764	15.10	53.0	5.12	5.36	2.22	0.525	1.050	0.2350	0.524	
400S200-54	0.0566	4.000	2.000	0.625	1.70	50	0.500	0.697	0.993	1.660	1.080	0.000534	2.45	1.61	0.758	26.50	42.9	9.51	9.92	4.31	1.190	1.290	0.2870	0.646	
400S200-68	0.0713	4.000	2.000	0.625	2.12	50	0.622	0.696	0.983	1.640	1.320	0.001050	2.45	1.60	0.750	35.00	42.9	11.90	12.10	6.23	1.760	1.590	0.3500	0.795	
400S200-97	0.1017	4.000	2.000	0.625	2.94	50	0.864	0.693	0.963	1.600	1.750	0.002980	2.45	1.58	0.732	48.50	43.0	15.90	15.90	8.52	2.380	2.160	0.4630	1.080	
400S250-43	0.0451	4.000	2.500	0.625	1.52	33	0.447	0.909	1.250	2.140	1.490	0.000303	2.81	1.65	0.945	16.00	63.6	7.06	7.45	2.22	0.525	1.220	0.3990	0.612	
400S250-54	0.0566	4.000	2.500	0.625	1.89	50	0.556	0.908	1.240	2.120	1.820	0.000594	2.81	1.65	0.938	28.00	51.5	13.20	13.80	4.31	1.190	1.510	0.4900	0.756	
400S250-68	0.0713	4.000	2.500	0.625	2.36	50	0.693	0.906	1.230	2.110	2.230	0.001170	2.80	1.64	0.930	36.50	51.6	16.60	16.90	6.23	1.760	1.860	0.5990	0.932	
400S250-97	0.1017	4.000	2.500	0.625	3.29	50	0.966	0.903	1.210	2.070	2.980	0.003330	2.80	1.62	0.911	54.90	51.8	22.60	22.60	8.52	2.380	2.540	0.8020	1.270	
600S125-33	0.0346	6.000	1.250	0.188	1.01	33	0.297	0.226	0.399	0.608	0.300	0.000118	4.18	2.18	0.375	11.00	27.5	1.13	1.21	0.82	0.296	1.410	0.0416	0.470	
600S125-43	0.0451	6.000	1.250	0.188	1.31	33	0.385	0.228	0.393	0.598	0.378	0.000261	4.20	2.17	0.370	16.50	27.3	1.48	1.53	1.81	0.499	1.820	0.0526	0.606	
600S125-54	0.0566	6.000	1.250	0.188	1.63	50	0.479	0.228	0.386	0.586	0.457	0.000511	4.32	2.16	0.362	30.30	21.9	2.68	2.76	3.61	1.130	2.240	0.0627	0.745	
600S162-33	0.0346	6.000	1.625	0.500	1.17	33	0.344	0.413	0.677	1.070	0.861	0.000137	3.35	2.28	0.581	17.10	41.1	2.58	2.85	0.82	0.296	1.790	0.1160	0.598	
600S162-43	0.0451	6.000	1.625	0.500	1.52	33	0.447	0.414	0.670	1.060	1.100	0.000303	3.35	2.28	0.576	22.90	40.9	3.42	3.64	1.81	0.499	2.320	0.1480	0.772	
600S162-54	0.0566	6.000	1.625	0.500	1.89	50	0.556	0.414	0.663	1.050	1.340	0.000594	3.38	2.27	0.570	41.70	33.0	6.33	6.71	3.61	1.130	2.860	0.1810	0.953	
600S162-68	0.0713	6.000	1.625	0.500	2.36	50	0.693	0.413	0.655	1.030	1.630	0.001170	3.43	2.26	0.561	52.90	32.8	7.85	8.09	6.84	1.700	3.520	0.2180	1.170	
600S162-97	0.1017	6.000	1.625	0.500	3.29	50	0.966	0.411	0.636	0.997	2.150	0.003330	3.56	2.23	0.542	72.00	32.5	10.50	10.50	13.40	2.300	4.800	0.2840	1.600	
600S200-33	0.0346	6.000	2.000	0.625	1.29	33	0.379	0.574	0.901	1.460	1.590	0.000151	3.25	2.34	0.743	18.40	51.6	3.88	4.19	0.82	0.296	2.080	0.2090	0.692	
600S200-43	0.0451	6.000	2.000	0.625	1.67	33	0.492	0.574	0.894	1.450	2.030	0.000334	3.25	2.34	0.739	25.90	51.4	5.18	5.59	1.81	0.499	2.680	0.2680	0.894	
600S200-54	0.0566	6.000	2.000	0.625	2.09	50	0.613	0.574	0.887	1.430	2.490	0.000655	3.26	2.33	0.732	45.70	41.5	9.64	10.40	3.61	1.130	3.320	0.3290	1.110	
600S200-68	0.0713	6.000	2.000	0.625	2.60	50	0.764	0.573	0.878	1.410	3.050	0.001300	3.28	2.32	0.724	60.10	41.4	12.10	12.60	6.84	1.700	4.100	0.4000	1.370	
600S200-97																									

	PERFORATED PROPERTIES					BEAM DISTORTIONAL BUCKLING PROPERTIES										COLUMN DISTORTIONAL BUCKLING PROPERTIES									
M _{xx, LB}	M _{yy, LB}	M _{zz, LB}	Shear V _x	I _x defl.	M _{xx, Fy}	M _{xx, Dz}	L _{xx}	K _{xx}	K _{yy}	K _{zz}	K _{xy}	K _{xz}	K _{yz}	F _d	P _{r, Fy}	P _{r, Dz}	L _{xx}	K _{xx}	K _{yy}	K _{zz}	K _{xy}	K _{xz}	K _{yz}	F _d	
(in.kips)	web.comp (in.kips)	lips.comp (in.kips)	(kips)	(in. ⁴)	(in.kips)	(in.kips)	(in.)	(kips)	(in. ²)	(kips)	(in. ²)	(kips)	(in. ²)	(ksi)	(kips)	(kips)	(in.)	(kips)	(in. ²)	(kips)	(in. ²)	(kips)	(in. ²)	(ksi)	
5.40	1.03	1.08	0.667	0.414	6.51	5.21	6.79	0.1380	0.00635	0.1210	0.000957	0.273	35.4	5.66	3.08	7.49	0.0997	0.00521	0.0616	0.004830	0.892	16.10			
7.98	1.35	1.36	0.864	0.535	8.36	7.57	5.91	0.3350	0.01060	0.2890	0.001610	0.263	51.3	7.33	4.67	6.51	0.2470	0.00870	0.1360	0.008340	1.400	22.50			
14.40	2.44	2.45	1.300	0.655	15.50	13.70	5.27	0.7210	0.01600	0.6160	0.002480	0.708	72.2	13.80	8.34	5.79	0.5420	0.01330	0.2700	0.013200	3.400	30.60			
7.95	2.38	2.53	0.667	0.551	8.53	7.70	15.70	0.1050	0.00379	0.0976	0.000193	0.087	51.0	6.92	5.22	17.30	0.0722	0.00310	0.0616	0.000901	0.285	33.50			
11.00	3.13	3.23	0.864	0.710	11.00	10.80	13.60	0.2430	0.00642	0.2200	0.000332	0.029	68.5	8.97	7.53	15.00	0.1670	0.00524	0.1360	0.001560	0.410	44.70			
20.00	5.78	5.94	1.300	0.873	20.50	19.30	12.00	0.5000	0.01010	0.4430	0.000530	0.227	89.0	16.90	13.40	13.30	0.3480	0.00823	0.2700	0.002510	1.090	57.50			
25.80	7.13	7.13	1.280	1.070	25.10	25.10	10.60	1.0500	0.01590	0.9090	0.000855	0.000	117.0	20.90	18.20	11.70	0.7380	0.01300	0.5390	0.004090	1.430	74.90			
34.90	9.18	9.18	1.120	1.440	33.70	33.70	8.64	3.3700	0.03160	2.7900	0.001790	0.000	184.0	29.00	28.10	9.55	2.4100	0.02590	1.5600	0.008730	1.530	115.00			
8.73	3.58	3.69	0.667	0.637	10.00	8.77	20.70	0.1020	0.00417	0.0954	0.000112	0.115	46.1	7.83	5.90	22.90	0.0692	0.00340	0.0616	0.000518	0.280	33.40			
12.70	4.74	4.92	0.864	0.836	12.90	12.30	18.00	0.2320	0.00706	0.2130	0.000193	0.083	61.4	10.20	8.51	19.90	0.1590	0.00577	0.1360	0.000895	0.404	44.30			
22.00	8.80	9.10	1.300	1.030	24.20	22.00	15.90	0.4720	0.01110	0.4270	0.000307	0.359	78.9	19.10	15.10	17.60	0.3250	0.00906	0.2700	0.001430	1.070	56.70			
30.00	11.00	11.00	1.280	1.270	29.70	29.10	14.00	0.9810	0.01750	0.8660	0.000496	0.142	103.0	23.80	20.50	15.50	0.6810	0.01430	0.5390	0.002330	1.420	73.30			
41.80	14.50	14.50	1.120	1.710	40.10	40.10	11.50	3.0800	0.03520	2.5900	0.001040	0.000	156.0	33.00	31.80	12.70	2.1600	0.02880	1.5600	0.004930	1.630	111.00			
13.30	6.53	6.80	0.864	0.973	15.20	13.30	20.50	0.2300	0.00941	0.2110	0.000149	0.255	46.1	11.40	8.72	22.70	0.1570	0.00768	0.1360	0.000688	0.585	35.00			
23.10	12.20	12.60	1.300	1.160	28.40	23.50	18.10	0.4670	0.01480	0.4220	0.000237	0.772	59.1	21.40	15.30	20.10	0.3210	0.01210	0.2700	0.001100	1.510	44.80			
31.00	15.30	15.40	1.280	1.470	35.00	31.50	16.00	0.9670	0.02340	0.8520	0.000382	0.810	76.4	26.70	21.10	17.70	0.6690	0.01910	0.5390	0.001780	2.120	57.70			
47.50	20.40	20.40	1.120	2.030	47.50	47.50	13.20	3.0200	0.04730	2.5300	0.000798	0.000	115.0	37.10	33.70	14.60	2.1100	0.03860	1.5600	0.003750	3.060	86.80			
6.03	1.04	1.10	0.760	0.523	7.44	5.82	6.96	0.1270	0.00603	0.1140	0.001210	0.287	33.2	6.01	2.97	7.68	0.0921	0.00496	0.0558	0.006180	1.020	13.30			
8.95	1.36	1.39	1.040	0.675	9.57	8.50	6.07	0.3080	0.01000	0.2740	0.002030	0.295	48.3	7.78	4.54	6.67	0.2290	0.00829	0.1240	0.010700	1.640	18.60			
16.20	2.46	2.51	1.560	0.828	17.80	15.40	5.42	0.6630	0.01520	0.5900	0.003120	0.769	68.4	14.60	8.10	5.94	0.5040	0.01270	0.2440	0.016900	3.950	25.30			
8.87	2.39	2.59	0.760	0.692	9.71	8.61	16.10	0.0961	0.00361	0.0892	0.000246	0.096	48.1	7.26	5.22	17.80	0.0660	0.00295	0.0558	0.001150	0.308	29.70			
12.40	3.15	3.31	1.040	0.892	12.50	12.10	13.90	0.2210	0.00611	0.2020	0.000423	0.053	64.8	9.42	7.58	15.40	0.1530	0.00499	0.1240	0.002000	0.456	39.60			
22.40	5.83	6.08	1.560	1.100	23.30	21.60	12.30	0.4570	0.00958	0.4080	0.000675	0.268	84.3	17.70	13.40	13.60	0.3190	0.00783	0.2440	0.003210	1.190	51.00			
29.20	7.21	7.31	1.740	1.350	28.60	28.60	10.80	0.9630	0.01510	0.8390	0.001090	0.000	111.0	22.00	18.40	12.00	0.6780	0.01230	0.4890	0.005230	1.630	66.40			
40.20	9.43	9.43	1.550	1.810	38.50	38.50	8.86	3.1000	0.03010	2.5900	0.002270	0.000	176.0	30.50	28.80	9.79	2.2200	0.02460	1.4200	0.011200	2.050	102.00			
9.75	3.60	3.77	0.760	0.798	11.40	9.79	21.20	0.0926	0.00397	0.0869	0.000143	0.120	43.7	8.18	5.94	23.40	0.0631	0.00324	0.0558	0.000663	0.290	30.50			
14.20	4.77	5.04	1.040	1.050	14.70	13.80	18.40	0.2110	0.00672	0.1950	0.000246	0.102	58.2	10.60	8.60	20.40	0.1450	0.00549	0.1240	0.001140	0.427	40.50			
24.70	8.87	9.32	1.560	1.290	27.50	24.60	16.30	0.4310	0.01060	0.3900	0.000392	0.388	75.0	20.00	15.20	18.00	0.2970	0.00862	0.2440	0.001830	1.120	51.80			
33.80	11.10	11.30	1.740	1.590	33.80	32.70	14.40	0.8970	0.01670	0.7930	0.000632	0.221	97.6	24.90	20.80	15.90	0.6230	0.01360	0.4890	0.002970	1.530	67.00			
47.90	14.90	14.90	1.550	2.160	45.80	45.80	11.80	2.8200	0.03350	2.3900	0.001320	0.000	149.0	34.60	32.60	13.00	1.9900	0.02740	1.4200	0.006310	1.950	101.00			
14.90	6.57	6.97	1.040	1.220	17.20	14.80	21.00	0.2090	0.00896	0.1930	0.000190	0.265	43.9	11.80	8.80	23.20	0.1430	0.00731	0.1240	0.000880	0.593	32.50			
25.90	12.30	12.90	1.560	1.450	32.10	26.10	18.60	0.4260	0.01410	0.3840	0.000302	0.779	56.3	22.30	15.50	20.60	0.2930	0.01150	0.2440	0.001410	1.510	41.60			
34.80	15.40	15.80	1.740	1.840	39.60	35.10	16.40	0.8840	0.02230	0.7790	0.000487	0.854	72.9	27.70	21.40	18.20	0.6120	0.01820	0.4890	0.002280	2.160	53.70			
54.10	21.00	21.00	1.550	2.540	54.00	54.00	13.50	2.7600	0.04500	2.3200	0.001020	0.000	111.0	38.60	34.30	14.90	1.9400	0.03680	1.4200	0.004800	3.250	80.80			
11.00	1.06	1.18	0.815	1.340	13.20	8.96	7.77	0.0885	0.00484	0.0932	0.003110	0.397	22.9	7.83	2.30	8.49	0.0668	0.00405	0.0372	0.017000	2.110	4.93			
16.50	1.39	1.49	1.580	1.790	17.00	13.40	6.81	0.2140	0.00794	0.2340	0.005150	0.506	34.2	10.20	3.59	7.38	0.1680	0.00677	0.0824	0.029400	3.540	6.93			
30.30	2.53	2.69	2.490	2.220	31.70	24.60	6.14	0.4570	0.01180	0.5180	0.007860	1.200	49.5	19.10	6.39	6.57	0.3740	0.01030	0.1630	0.046600	8.510	9.44			
17.10	2.42	2.77	0.815	1.790	16.80	13.40	17.80	0.0658	0.00294	0.0626	0.000665	0.135	35.6	9.09	4.75	19.70	0.0455	0.00241	0.0372	0.003180	0.503	14.80			
22.90	3.21	3.55	1.580	2.320	21.70	19.20	15.40	0.1530	0.00498	0.1440	0.001140	0.150	48.4	11.80	7.07	17.10	0.1070	0.00408	0.0824						

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 _{cg} (mm)	m (mm)	x _c (mm)	C _w (E+06mm ⁴)	J (mm ⁴)	j (mm)	r _x (mm)	r _y (mm)	M _{x, LB} (kN.m)	L _x (mm)	M _{y, LB} web.comp (kN.m)	M _{y, LB} lips.comp (kN.m)	Shear V _t (kN)	Web Cripp. P _t (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	1.540	1.540	19.20	5.33	0.504	0.1970	10.90				
362S250-68	1.811	92.075	63.500	15.90	3.37	345	0.430	23.90	32.0	55.0	493.0	470.0	69.4	38.0	23.7	3.630	1320	1.880	1.880	24.90	7.91	0.620	0.2400	13.50				
362S250-97	2.583	92.075	63.500	15.90	4.70	345	0.598	23.80	31.5	54.0	658.0	1330.0	69.1	37.6	23.2	5.470	1330	2.520	2.520	33.80	10.70	0.844	0.3220	18.30				
400S125-33	0.879	101.600	31.750	4.76	1.15	230	0.147	7.37	11.8	18.7	31.6	37.8	60.0	38.8	10.3	0.801	721	0.127	0.132	5.54	1.40	0.221	0.0157	4.35				
400S125-43	1.146	101.600	31.750	4.76	1.49	230	0.190	7.39	11.6	18.5	39.7	83.2	60.0	38.6	10.2	1.110	717	0.164	0.167	9.89	2.34	0.284	0.0198	5.59				
400S125-54	1.438	101.600	31.750	4.76	1.85	345	0.236	7.36	11.5	18.1	47.9	162.0	61.1	38.4	10.0	2.020	576	0.298	0.301	19.20	5.28	0.348	0.0236	6.85				
400S162-33	0.879	101.600	41.275	12.70	1.39	230	0.177	13.00	19.5	32.1	97.4	45.7	57.3	40.3	15.5	1.120	1070	0.289	0.310	5.54	1.40	0.288	0.0427	5.67				
400S162-43	1.146	101.600	41.275	12.70	1.81	230	0.230	13.00	19.3	31.8	123.0	101.0	57.1	40.2	15.4	1.500	1070	0.382	0.396	9.89	2.34	0.371	0.0546	7.31				
400S162-54	1.438	101.600	41.275	12.70	2.24	345	0.286	13.00	19.2	31.4	150.0	197.0	57.2	40.0	15.2	2.710	865	0.706	0.728	19.20	5.28	0.457	0.0664	8.99				
400S162-68	1.811	101.600	41.275	12.70	2.79	345	0.355	13.00	18.9	31.0	182.0	388.0	57.5	39.7	15.0	3.420	864	0.871	0.878	27.70	7.85	0.560	0.0801	11.00				
400S162-97	2.583	101.600	41.275	12.70	3.86	345	0.492	12.90	18.4	30.0	239.0	1090.0	58.3	39.2	14.5	4.610	864	1.140	1.140	37.90	10.60	0.755	0.1040	14.90				
400S200-33	0.879	101.600	50.800	15.90	1.57	230	0.200	17.70	25.6	42.9	187.0	51.4	62.4	41.1	19.5	1.220	1350	0.435	0.453	5.54	1.40	0.338	0.0762	6.65				
400S200-43	1.146	101.600	50.800	15.90	2.03	230	0.259	17.70	25.4	42.6	238.0	113.0	62.2	41.0	19.4	1.710	1350	0.578	0.605	9.89	2.34	0.436	0.0977	8.58				
400S200-54	1.438	101.600	50.800	15.90	2.53	345	0.322	17.70	25.2	42.2	291.0	222.0	62.1	40.8	19.3	2.990	1090	1.080	1.120	19.20	5.28	0.538	0.1200	10.60				
400S200-68	1.811	101.600	50.800	15.90	3.15	345	0.401	17.70	25.0	41.7	354.0	439.0	62.1	40.6	19.0	3.950	1090	1.340	1.360	27.70	7.85	0.662	0.1450	13.00				
400S200-97	2.583	101.600	50.800	15.90	4.37	345	0.557	17.60	24.5	40.8	470.0	1240.0	62.2	40.1	18.6	5.480	1090	1.800	1.800	37.90	10.60	0.897	0.1930	17.70				
400S250-43	1.146	101.600	63.500	15.90	2.26	230	0.288	23.10	31.8	54.3	399.0	126.0	71.5	42.0	24.0	1.810	1620	0.798	0.841	9.89	2.34	0.509	0.1660	10.00				
400S250-54	1.438	101.600	63.500	15.90	2.82	345	0.359	23.10	31.6	54.0	489.0	247.0	71.3	41.9	23.8	3.160	1310	1.490	1.560	19.20	5.28	0.629	0.2040	12.40				
400S250-68	1.811	101.600	63.500	15.90	3.51	345	0.447	23.10	31.4	53.5	598.0	489.0	71.2	41.7	23.6	4.120	1310	1.870	1.910	27.70	7.85	0.776	0.2490	15.30				
400S250-97	2.583	101.600	63.500	15.90	4.89	345	0.623	22.90	30.8	52.5	800.0	1390.0	71.0	41.2	23.1	6.210	1320	2.550	2.550	37.90	10.60	1.060	0.3340	20.80				
600S125-33	0.879	152.400	31.750	4.76	1.50	230	0.191	5.75	10.1	15.4	80.6	49.3	106.0	55.4	9.5	1.240	700	0.128	0.137	3.63	1.31	0.587	0.0173	7.70				
600S125-43	1.146	152.400	31.750	4.76	1.95	230	0.248	5.79	10.0	15.2	102.0	109.0	107.0	55.2	9.4	1.860	694	0.167	0.173	8.04	2.22	0.756	0.0219	9.92				
600S125-54	1.438	152.400	31.750	4.76	2.42	345	0.309	5.79	9.8	14.9	123.0	213.0	110.0	54.9	9.2	3.420	557	0.302	0.312	16.00	5.05	0.931	0.0261	12.20				
600S162-33	0.879	152.400	41.275	12.70	1.74	230	0.222	10.50	17.2	27.2	231.0	57.2	85.0	58.0	14.8	1.940	1040	0.292	0.322	3.63	1.31	0.746	0.0484	9.79				

	PERFORATED PROPERTIES					BEAM DISTORTIONAL BUCKLING PROPERTIES										COLUMN DISTORTIONAL BUCKLING PROPERTIES									
	M _{xx, LB}	M _{yy, LB}	M _{zz, LB}	Shear V _t	I _x defl.	M _{xx, Fy}	M _{xx, DB}	L _{cr}	K _{xx}	K _{yy}	K _{zz}	K _{xx}	K _{yy}	K _{zz}	F _d	P _{r, Fy}	P _{r, DB}	L _{cr}	K _{xx}	K _{yy}	K _{zz}	K _{xx}	K _{yy}	K _{zz}	F _d
	(kN.m)	web.comp	lips.comp	(kN)	(E+06 mm ⁴)	(kN.m)	(kN.m)	(mm)	(kN)	(mm ²)	(kN)	(mm ²)	(kN)	(mm ²)	(kN)	(MPa)	(kN)	(kN)	(mm)	(kN)	(mm ²)	(kN)	(mm ²)	(kN)	(mm ²)
	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	0.390	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	0.690	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	0.700	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	3.2															

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 _w (in. ⁴)	J (in. ⁴)	j (in.)	r _x (in.)	r _y (in.)	M _{rx} LB (in.kips)	L _x (in.)	M _{ry} LB web.comp (in.kips)	M _{ry} 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	76.70	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							

	PERFORATED PROPERTIES					BEAM DISTORTIONAL BUCKLING PROPERTIES										COLUMN DISTORTIONAL BUCKLING PROPERTIES									
	M _{xx, LB}	M _{yy, LB}	M _{yy, LB}	Shear	I _x	M _{xx, Fy}	M _{xx, DB}	L _{cr}	K _{sls}	K _{slg}	K _{sws}	K _{swg}	K _{min}	F _d	P _{r, Fy}	P _{r, DB}	L _{cr}	K _{sls}	K _{slg}	K _{sws}	K _{swg}	K _{min}	F _d		
	(in.kips)	web.comp (in.kips)	lips.comp (in.kips)	V _x (kips)	defl. (in. ⁴)	(in.kips)	(in.kips)	(in.)	(kips)	(in. ²)	(kips)	(in. ²)	(kips)	(ksi)	(kips)	(kips)	(in.)	(kips)	(in. ²)	(kips)	(in. ²)	(kips)	(ksi)		
	22.9	3.21	3.55	1.58	2.32	21.7	19.2	15.40	0.153	0.00498	0.144	0.001140	0.150	48.4	11.8	7.07	17.1	0.1070	0.00408	0.0824	0.00550	0.815	19.70		
	41.7	5.94	6.53	2.49	2.86	40.5	34.4	13.60	0.317	0.00781	0.295	0.001800	0.449	63.7	22.3	12.30	15.1	0.2240	0.00639	0.1630	0.00885	2.040	25.40		
	52.9	7.41	7.87	3.68	3.52	49.9	46.5	12.00	0.673	0.01230	0.620	0.002880	0.382	85.2	27.7	17.40	13.3	0.4810	0.01010	0.3260	0.01440	3.080	32.90		
	72.0	10.00	10.20	4.87	4.80	68.0	68.0	9.84	2.190	0.02440	1.990	0.005940	0.000	138.0	38.6	29.00	10.8	1.6000	0.02010	0.9450	0.03080	5.540	50.10		
	25.9	4.84	5.43	1.58	2.68	25.1	21.8	20.40	0.145	0.00549	0.135	0.000668	0.169	45.4	13.0	8.49	22.5	0.0996	0.00448	0.0824	0.00315	0.619	23.80		
	45.7	9.02	10.10	2.49	3.32	47.0	38.8	18.00	0.297	0.00862	0.273	0.001060	0.498	58.9	24.5	14.80	19.9	0.2060	0.00704	0.1630	0.00506	1.550	30.50		
	60.1	11.40	12.20	3.68	4.10	58.1	52.5	15.90	0.622	0.01360	0.563	0.001700	0.506	77.4	30.6	20.80	17.6	0.4360	0.01110	0.3260	0.00820	2.310	39.40		
	84.2	15.80	16.20	4.87	5.61	79.5	79.5	13.00	1.980	0.02730	1.740	0.003530	0.000	121.0	42.7	34.20	14.4	1.4100	0.02240	0.9450	0.01740	3.960	59.30		
	30.3	3.23	3.66	1.34	4.48	32.5	26.0	16.60	0.118	0.00431	0.116	0.002270	0.246	35.5	14.2	6.00	18.3	0.0827	0.00353	0.0618	0.01130	1.410	9.75		
	55.3	5.97	6.75	2.67	5.57	60.9	46.6	14.70	0.245	0.00674	0.242	0.003590	0.653	47.2	26.8	10.40	16.2	0.1750	0.00554	0.1220	0.01820	3.470	12.50		
	74.8	7.47	8.15	4.30	7.05	75.3	64.0	12.90	0.522	0.01060	0.520	0.005690	0.756	64.0	33.4	14.90	14.2	0.3780	0.00873	0.2440	0.02960	5.460	16.30		
	109.0	10.20	10.60	7.59	9.71	103.0	102.0	10.60	1.700	0.02090	1.740	0.011600	0.150	106.0	46.8	25.60	11.6	1.2800	0.01740	0.7090	0.06320	10.800	24.70		
	38.4	4.87	5.63	1.34	5.30	37.2	29.8	21.90	0.111	0.00475	0.106	0.001350	0.228	35.5	15.4	7.64	24.2	0.0767	0.00388	0.0618	0.00648	0.948	13.40		
	67.4	9.07	10.40	2.67	6.57	69.8	53.0	19.40	0.228	0.00745	0.217	0.002130	0.613	46.4	29.0	13.30	21.4	0.1600	0.00610	0.1220	0.01040	2.340	17.10		
	89.6	11.50	12.70	4.30	8.14	86.5	72.5	17.10	0.480	0.01180	0.452	0.003400	0.741	61.5	36.3	18.80	18.9	0.3400	0.00964	0.2440	0.01680	3.620	22.10		
	126.0	16.00	16.80	7.59	11.20	119.0	115.0	14.00	1.540	0.02360	1.440	0.006990	0.394	97.5	50.8	31.90	15.5	1.1100	0.01940	0.7090	0.03570	6.930	33.10		
	39.0	6.71	7.88	1.34	5.98	42.2	31.3	25.00	0.109	0.00633	0.103	0.001050	0.325	28.8	16.6	8.28	27.6	0.0755	0.00517	0.0618	0.00498	0.927	13.50		
	68.6	12.50	14.70	2.67	7.17	79.3	55.5	22.10	0.225	0.00996	0.209	0.001660	0.849	37.3	31.3	14.40	24.5	0.1560	0.00814	0.1220	0.00796	2.280	17.30		
	92.6	15.90	17.90	4.30	9.14	98.4	76.3	19.50	0.472	0.01580	0.432	0.002650	1.130	49.1	39.1	20.40	21.6	0.3320	0.01290	0.2440	0.01290	3.520	22.40		
	138.0	22.60	24.00	7.59	12.80	136.0	122.0	16.10	1.500	0.03170	1.350	0.005440	1.250	76.7	54.9	34.70	17.8	1.0800	0.02600	0.7090	0.02720	6.660	33.60		
	69.0	16.50	19.50	2.67	7.66	88.8	57.1	24.60	0.222	0.01290	0.204	0.001350	1.140	30.0	33.6	15.00	27.2	0.1540	0.01050	0.1220	0.00643	2.410	16.30		
	96.5	21.00	23.90	4.30	9.84	110.0	78.7	21.80	0.466	0.02040	0.419	0.002160	1.600	39.3	42.0	21.30	24.1	0.3260	0.01670	0.2440	0.01040	3.730	21.10		
	149.0	30.00	32.20	7.59	14.10	153.0	128.0	17.90	1.480	0.04120	1.290	0.004440	2.260	60.7	59.0	36.40	19.8	1.0600	0.03370	0.7090	0.02180	7.050	31.80		
	70.7	5.99	6.89	2.12	9.31	84.6	57.3	15.60	0.200	0.00600	0.213	0.006060	0.918	34.3	31.3	8.61	17.1	0.1450	0.00495	0.0978	0.03170	5.590	6.61		
	96.9	7.51	8.32	4.27	11.90	105.0	80.0	13.70	0.426	0.00938	0.466	0.009570	1.200	47.1	39.1	12.40	15.1	0.3150	0.00781	0.1950	0.05170	8.940	8.59		
	147.0	10.30	10.80	9.17	17.00	144.0	131.0	11.40	1.380	0.01830	1.610	0.019300	1.170	79.3	54.9	21.80	12.3	1.0800	0.01560	0.5670	0.11000	18.400	13.10		
	76.7	9.09	10.70	2.12	10.60	95.9	66.1	20.50	0.186	0.00665	0.184	0.003640	0.767	36.0	33.6	11.40	22.7	0.1310	0.00545	0.0978	0.01810	3.520	9.71		
	109.0	11.50	13.00	4.27	13.60	119.0	91.5	18.10	0.393	0.01050	0.390	0.005790	1.010	48.1	42.0	16.30	20.0	0.2810	0.00862	0.1950	0.02940	5.560	12.50		
	168.0	16.10	17.30	9.17	19.30	164.0	149.0	14.90	1.260	0.02090	1.270	0.011800	1.070	77.5	59.0	28.20	16.4	0.9280	0.01730	0.5670	0.06240	11.200	18.80		
	84.5	12.60	15.10	2.12	12.20	108.0	69.7	23.40	0.183	0.00889	0.175	0.002850	0.937	30.5	35.8	12.80	25.9	0.1280	0.00728	0.0978	0.01390	3.140	10.70		
	124.0	16.00	18.40	4.27	15.60	134.0	96.7	20.70	0.386	0.01410	0.367	0.004530	1.300	40.5	44.8	18.30	22.8	0.2740	0.01150	0.1950	0.02250	4.940	13.80		
	189.0	22.70	24.70	9.17	21.80	186.0	158.0	17.00	1.240	0.02830	1.170	0.009240	1.730	64.2	63.0	31.70	18.8	0.8970	0.02330	0.5670	0.04750	9.770	20.70		
	85.5	16.50	20.00	2.12	12.80	120.0	71.9	26.00	0.181	0.01150	0.170	0.002320	1.170	25.4	38.1	13.70	28.8	0.1270	0.00940	0.0978	0.01120	3.050	10.90		
	126.0	21.10	24.60	4.27	16.60	149.0	99.9	23.00	0.381	0.01820	0.352	0.003700	1.690	33.5	47.7	19.70	25.4	0.2690	0.01490	0.1950	0.01810	4.780	14.10		
	202.0	30.20	33.20	9.17	23.90	207.0	164.0	19.00	1.220	0.03670	1.110	0.007560	2.560	52.5	67.1	34.10	21.0	0.8770	0.03010	0.5670	0.03810	9.400	21.20		
	119.0	7.53	8.43	3.54	18.30	138.0	93.8	14.50	0.358	0.00845	0.435	0.014600	1.750	34.5	44.8	10.40	15.8	0.2720	0.00713	0.1630	0.08150	13.600	4.91		
	184.0	10.30	11.00	9.47	26.60	191.0	158.0	12.10	1.150	0.01620	1.530	0.029200	2.330	59.0	63.0	18.60	12.9	0.9380	0.01420	0.4730	0.17400	28.500	7.49		
	133.0	11.50	13.20	3.54	20.70	155.0	109.0	19.00	0.333	0.00953	0.351	0.008890	1.350	37.2	47.7	14.00	20.9	0.2410	0.00787	0.1630	0.04640	8.210	7.44		
	210.0	16.20	17.50	9.47	30.10	215.0	180.0	15.70	1.070	0.01890	1.170	0.018000	1.830	60.9	67.1	24.50	17.1	0.8020	0.01580	0.4730	0.09840	16.900	11.20		
	135.0	16.00	18.80	3.54	22.90	173.0	116.0	21.70	0.328	0.01280	0.326	0.006980	1.530	33.0	50.5	16.10	23.9	0.2340	0.01050	0.1630	0.03550	6.910	8.63		
	227.0	22.80	25.20	9.47	33.70	241.0	192.0	17.90	1.050	0.02560	1.060	0.014200	2.280	53.1	71.2	28.20	19.7	0.7740	0.02120	0.4730	0.07490	14.000	13.00		
	149.0	21.10	25.10	3.54	25.70	191.0	120.0	24.10	0.324	0.01660	0.309	0.005730	1.830	28.4	53.4	17.70	26.6	0.2300	0.01360	0.163					

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 _c (mm)	C _w (E+06mm ⁵)	J (mm ⁴)	j (mm)	r _x (mm)	r _y (mm)	M _{r_y,LB} (kN.m)	L _u (mm)	M _{r_y,LB web.comp} (kN.m)	M _{r_y,LB lips.comp} (kN.m)	Shear V _r (kN)	Web Cripp. P _r (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.								

	PERFORATED PROPERTIES					BEAM DISTORTIONAL BUCKLING PROPERTIES										COLUMN DISTORTIONAL BUCKLING PROPERTIES									
	M _{xx, LB}	M _{yy, LB}	M _{zz, LB}	Shear	I _x	M _{xx, Fy}	M _{xx, DB}	L _{cr}	K _{plate}	K _{web}	K _{web}	K _{web}	F _d	P _{r, Fy}	P _{r, DB}	L _{cr}	K _{plate}	K _{web}	K _{web}	K _{web}	K _{web}	K _{web}	F _d		
	(kN.m)	web.comp (kN.m)	lips.comp (kN.m)	V _r (kN)	defl. (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)		
	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	123.00	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	172.00	129.00	275.0	7.130	13.000	4.210	19.900	24.600	345.0		
	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		
	3.420	0.365	0.414	5.97	1.870	3.670	2.940	422.0	0.523	2.780	0.515	1.470	1.090	245.0	63.10	26.70	466.0	0.368	2.280	0.275	7.290	6.270	67.2		
	6.240	0.675	0.763	11.90	2.320	6.890	5.260	373.0	1.090	4.350	1.080	2.310	2.900	325.0	119.00	46.30	411.0	0.777	3.570	0.544	11.700	15.400	86.4		
	8.460	0.844	0.921	19.10	2.940	8.510	7.230	329.0	2.320	6.830	2.310	3.670	3.360	441.0	149.00	66.10	362.0	1.680	5.630	1.090	19.100	24.300	112.0		
	12.300	1.150	1.200	33.80	4.040	11.700	11.500	270.0	7.560	13.500	7.720	7.480	0.666	729.0	208.00	114.00	296.0	5.690	11.200	3.150	40.800	48.100	170.0		
	4.330	0.550	0.637	5.97	2.210	4.200	3.360	556.0	0.493	3.060	0.471	0.869	1.010	245.0	68.40	34.00	615.0	0.341	2.500	0.275	4.180	4.210	92.2		
	7.610	1.020	1.180	11.90	2.740	7.890	5.990	492.0	1.020	4.810	0.963	1.380	2.730	320.0	129.00	59.00	544.0	0.710	3.930	0.544	6.700	10.400	118.0		
	10.100	1.290	1.440	19.10	3.390	9.770	8.190	434.0	2.140	7.590	2.010	2.200	3.300	424.0	161.00	83.70	480.0	1.510	6.220	1.090	10.900	16.100	152.0		
	14.200	1.810	1.900	33.80	4.660	13.500	13.000	357.0	6.850	15.200	6.400	4.510	1.750	672.0	226.00	142.00	393.0	4.950	12.500	3.150	23.000	30.800	228.0		
	4.400	0.758	0.891	5.97	2.490	4.770	3.540	634.0	0.486	4.080	0.457	0.675	1.450	198.0	73.70	36.80	702.0	0.336	3.340	0.275	3.210	4.120	93.3		
	7.750	1.420	1.660	11.90	2.980	8.960	6.270	562.0	1.000	6.420	0.928	1.070	3.770	257.0	139.00	64.00	622.0	0.696	5.250	0.544	5.140	10.100	119.0		
	10.500	1.800	2.030	19.10	3.800	11.100	8.620	496.0	2.100	10.200	1.920	1.710	5.010	339.0	174.00	90.80	549.0	1.480	8.310	1.090	8.310	15.600	154.0		
	15.600	2.550	2.720	33.80	5.320	15.400	13.800	408.0	6.690	20.500	5.990	3.510	5.560	529.0	244.00	155.00	451.0	4.800	16.800	3.150	17.500	29.600	232.0		
	7.800	1.860	2.200	11.90	3.190	10.000	6.450	625.0	0.990	8.300	0.906	0.871	5.080	207.0	149.00	66.60	692.0	0.687	6.780	0.544	4.150	10.700	113.0		
	10.900	2.370	2.700	19.10	4.100	12.500	8.890	552.0	2.070	13.100	1.860	1.390	7.130	271.0	187.00	94.70	611.0	1.450	10.800	1.090	6.690	16.600	146.0		
	16.800	3.390	3.640	33.80	5.880	17.300	14.400	456.0	6.590	26.600	5.740	2.860	10.100	419.0	262.00	162.00	503.0	4.690	21.700	3.150	14.100	31.400	219.0		
	7.990	0.677	0.778	9.44	3.870	9.560	6.470	395.0	0.890	3.870	0.948	3.910	4.080	236.0	139.00	38.30	435.0	0.644	3.200	0.435	20.500	24.800	45.6		
	11.000	0.848	0.940	19.00	4.960	11.800	9.030	349.0	1.900	6.050	2.070	6.180	5.340	325.0	174.00	55.20	383.0	1.400	5.040	0.869	33.300	39.800	59.2		
	16.600	1.160	1.220	40.80	7.060	16.300	14.800	289.0	6.140	11.800	7.150	12.500	5.200	547.0	244.00	96.90	313.0	4.790	10.100	2.520	71.200	81.700	90.0		
	8.660	1.030	1.210	9.44	4.430	10.800	7.470	521.0	0.829	4.290	0.819	2.350	3.410	248.0	149.00	50.60	576.0	0.583	3.520	0.435	11.700	15.600	66.9		
	12.300	1.300	1.470	19.00	5.660	13.400	10.300	460.0	1.750	6.770	1.740	3.730	4.510	332.0	187.00	72.50	507.0	1.250	5.560	0.869	19.000	24.700	86.3		
	19.000	1.820	1.950	40.80	8.050	18.600	16.800	379.0	5.620	13.500	5.660	7.610	4.780	535.0	262.00	125.00	416.0	4.130	11.200	2.520	40.200	49.700	129.0		
	9.550	1.420	1.700	9.44	5.080	12.200	7.880	595.0	0.816	5.740	0.779	1.840	4.170	211.0	159.00	56.90	657.0	0.571	4.700	0.435	8.970	14.000	73.6		
	14.100	1.810	2.080	19.00	6.470	15.100	10.900	525.0	1.720	9.070	1.630	2.920	5.780	279.0	199.00	81.40	580.0	1.220	7.440	0.869	14.500	22.000	95.1		
	21.400	2.570	2.790	40.80	9.090	21.000	17.800	433.0	5.510	18.200	5.200	5.960	7.700	443.0	280.00	141.00	477.0	3.990	15.000	2.520	30.600	43.500	143.0		
	9.670	1.860	2.260	9.44	5.330	13.500	8.120	661.0	0.807	7.420	0.755	1.500	5.220	175.0	169.00	61.10	731.0	0.563	6.060	0.435	7.240	13.600	75.0		
	14.200	2.380	2.780	19.00	6.930	16.800	11.300	585.0	1.700	11.700	1.570	2.390	7.500	231.0	212.00	87.50	646.0	1.200	9.620	0.869	11.700	21.300	96.9		
	22.900	3.410	3.760	40.80	9.950	23.400	18.500	482.0	5.420	23.700	4.920	4.880	11.400	362.0	298.00	152.00	532.0	3.900	19.400	2.520	24.600	41.800	146.0		
	13.400	0.850	0.952	15.70	7.600	15.600	10.600	368.0	1.590	5.450	1.930	9.390	7.770	238.0	199.00	46.50	401.0	1.210	4.600	0.725	52.600	60.700	33.9		
	20.800	1.160	1.240	42.10	11.100	21.600	17.800	306.0	5.100	10.500	6.820	18.800	10.400	407.0	280.00	82.60	327.0	4.170	9.180	2.100	112.000	127.000	51.6		
	15.100	1.300	1.490	15.70	8.620	17.600	12.300	482.0	1.480	6.150	1.560	5.730	6.000	256.0	212.00	62.20	531.0	1.070	5.080	0.725	29.900	36.500	51.3		
	23.700	1.830	1.980	42.10	12.500	24.300	20.300	398.0	4.760	12.200	5.230	11.600	8.130	420.0	298.00	109.00	435.0	3.570	10.200	2.100	63.500	75.000	77.0		
	15.300	1.810	2.120	15.70	9.530	19.600	13.100	550.0	1.460	8.260	1.450	4.500	6.810	228.0	225.00	71.50	607.0	1.040	6.790	0.725	22.900	30.700	59.5		
	25.600	2.580	2.840	42.10	14.000	27.200	21.700	454.0	4.690	16.500	4.720	9.130	10.100	366.0	317.00	125.00	499.0	3.440	13.700	2.100	48.300	62.400	89.5		
	16.900	2.390	2.840	15.70	10.700	21.600	13.600	612.0	1.440	10.700	1.380	3.700	8.140	196.0	237.00	78.70	676.0	1.020							

Track Designation	DIMENSIONS			PROPERTIES																
	Thickness t (in.)	Depth A (in.)	Flange B (in.)	Weight (lbs./ft.)	Yield F _y (ksi)	Area (in. ²)	x _{cg} (in.)	x _c (in.)	C _x (in. ⁴)	J (in. ⁴)	j (in.)	r _x (in.)	r _y (in.)	I _x (in. ⁴)	I _y (in. ⁴)	S _x (in. ³)	M _u (in.kips)	L _r (in.)	Shear V _r (kips)	I _c defl. (in.)
362T125-33	0.0346	3.701	1.25	0.721	33	0.212	0.266	0.658	0.0756	0.0000845	2.09	1.44	0.377	0.438	0.0301	0.232	5.17	25.7	1.310	0.381
362T125-43	0.0451	3.696	1.25	0.939	33	0.276	0.269	0.654	0.0978	0.0001870	2.09	1.44	0.375	0.571	0.0389	0.302	7.27	25.8	2.220	0.525
362T125-54	0.0566	3.710	1.25	1.180	50	0.346	0.273	0.648	0.1230	0.0003690	2.11	1.45	0.373	0.723	0.0482	0.378	14.00	20.9	4.310	0.671
362T125-68	0.0713	3.732	1.25	1.480	50	0.436	0.277	0.641	0.1560	0.0007380	2.13	1.45	0.370	0.921	0.0598	0.475	19.20	21.0	6.020	0.901
362T125-97	0.1017	3.778	1.25	2.110	50	0.621	0.287	0.626	0.2260	0.0021400	2.17	1.47	0.365	1.340	0.0825	0.675	30.40	21.4	8.480	1.340
362T150-33	0.0346	3.701	1.50	0.780	33	0.229	0.350	0.854	0.1240	0.0000914	2.08	1.48	0.467	0.499	0.0499	0.264	5.36	30.9	1.310	0.409
362T150-43	0.0451	3.696	1.50	1.020	33	0.298	0.353	0.850	0.1600	0.0002020	2.08	1.48	0.465	0.650	0.0645	0.343	7.57	31.0	2.220	0.567
362T150-54	0.0566	3.710	1.50	1.270	50	0.374	0.356	0.844	0.2020	0.0004000	2.09	1.48	0.463	0.823	0.0801	0.431	14.60	25.2	4.310	0.726
362T150-68	0.0713	3.732	1.50	1.600	50	0.471	0.361	0.836	0.2570	0.0007990	2.10	1.49	0.460	1.050	0.0996	0.542	20.20	25.3	6.020	0.982
362T150-97	0.1017	3.778	1.50	2.290	50	0.672	0.370	0.820	0.3740	0.0023200	2.13	1.51	0.454	1.530	0.1380	0.771	33.00	25.8	8.480	1.530
362T200-33	0.0346	3.701	2.00	0.897	33	0.264	0.533	1.270	0.2690	0.0001050	2.23	1.53	0.645	0.619	0.1100	0.328	5.65	41.0	1.310	0.458
362T200-43	0.0451	3.696	2.00	1.170	33	0.343	0.536	1.270	0.3500	0.0002330	2.23	1.53	0.643	0.808	0.1420	0.427	8.03	41.1	2.220	0.640
362T200-54	0.0566	3.710	2.00	1.470	50	0.431	0.539	1.260	0.4420	0.0004600	2.24	1.54	0.641	1.020	0.1770	0.536	15.50	33.4	4.310	0.819
362T200-68	0.0713	3.732	2.00	1.850	50	0.543	0.543	1.250	0.5640	0.0009190	2.24	1.55	0.638	1.310	0.2210	0.675	21.60	33.6	6.020	1.120
362T200-97	0.1017	3.778	2.00	2.630	50	0.773	0.551	1.230	0.8250	0.0026700	2.25	1.57	0.632	1.920	0.3090	0.963	36.20	34.3	8.480	1.820
400T125-33	0.0346	4.076	1.25	0.765	33	0.225	0.251	0.630	0.0946	0.0000897	2.35	1.56	0.371	0.549	0.0309	0.265	5.97	25.6	1.200	0.480
400T125-43	0.0451	4.071	1.25	0.996	33	0.293	0.255	0.626	0.1220	0.0001980	2.35	1.56	0.369	0.716	0.0398	0.344	8.37	25.6	2.220	0.660
400T125-54	0.0566	4.085	1.25	1.250	50	0.367	0.259	0.621	0.1540	0.0003920	2.37	1.57	0.367	0.904	0.0494	0.431	16.10	20.8	4.310	0.842
400T125-68	0.0713	4.107	1.25	1.570	50	0.462	0.264	0.614	0.1940	0.0007830	2.39	1.58	0.364	1.150	0.0612	0.541	22.00	20.9	6.660	1.130
400T125-97	0.1017	4.153	1.25	2.240	50	0.659	0.274	0.600	0.2800	0.0022700	2.44	1.59	0.358	1.670	0.0846	0.768	34.60	21.1	9.390	1.670
400T150-33	0.0346	4.076	1.50	0.824	33	0.242	0.332	0.821	0.1550	0.0000966	2.28	1.60	0.460	0.622	0.0513	0.300	6.19	30.8	1.200	0.514
400T150-43	0.0451	4.071	1.50	1.070	33	0.315	0.335	0.817	0.2000	0.0002140	2.28	1.60	0.458	0.811	0.0662	0.390	8.71	30.9	2.220	0.711
400T150-54	0.0566	4.085	1.50	1.350	50	0.396	0.339	0.811	0.2520	0.0004220	2.30	1.61	0.456	1.030	0.0823	0.489	16.80	25.1	4.310	0.908
400T150-68	0.0713	4.107	1.50	1.690	50	0.498	0.343	0.804	0.3200	0.0008440	2.31	1.62	0.453	1.310	0.1020	0.615	23.10	25.2	6.660	1.220
400T150-97	0.1017	4.153	1.50	2.410	50	0.710	0.353	0.788	0.4630	0.0024500	2.35	1.64	0.447	1.900	0.1420	0.874	37.40	25.6	9.390	1.900
400T200-33	0.0346	4.076	2.00	0.941	33	0.277	0.509	1.230	0.3360	0.0001100	2.37	1.67	0.639	0.768	0.1130	0.371	6.53	41.0	1.200	0.574
400T200-43	0.0451	4.071	2.00	1.230	33	0.360	0.512	1.220	0.4360	0.0002440	2.37	1.67	0.637	1.000	0.1460	0.482	9.23	41.1	2.220	0.799
400T200-54	0.0566	4.085	2.00	1.540	50	0.452	0.515	1.220	0.5510	0.0004830	2.38	1.67	0.635	1.270	0.1820	0.604	17.80	33.4	4.310	1.020
400T200-68	0.0713	4.107	2.00	1.940	50	0.569	0.519	1.210	0.7020	0.0009650	2.39	1.69	0.632	1.620	0.2270	0.761	24.70	33.6	6.660	1.390
400T200-97	0.1017	4.153	2.00	2.760	50	0.811	0.528	1.190	1.0200	0.0028000	2.40	1.71	0.626	2.360	0.3180	1.090	41.00	34.1	9.390	2.240
600T125-33	0.0346	6.076	1.25	1.000	33	0.294	0.196	0.516	0.2380	0.0001170	4.22	2.20	0.339	1.430	0.0338	0.465	8.81	24.8	0.795	1.200
600T125-43	0.0451	6.071	1.25	1.300	33	0.383	0.200	0.513	0.3070	0.0002600	4.24	2.20	0.337	1.860	0.0436	0.604	13.70	24.8	1.760	1.720
600T125-54	0.0566	6.085	1.25	1.630	50	0.480	0.204	0.508	0.3840	0.0005130	4.27	2.21	0.335	2.340	0.0540	0.756	26.60	20.1	3.480	2.190
600T125-68	0.0713	6.107	1.25	2.060	50	0.605	0.210	0.503	0.4830	0.0010300	4.32	2.22	0.333	2.970	0.0670	0.950	38.60	20.1	6.840	2.920
600T125-97	0.1017	6.153	1.25	2.930	50	0.862	0.221	0.491	0.6850	0.0029700	4.41	2.23	0.327	4.280	0.0925	1.350	60.60	20.1	13.900	4.280
600T150-33	0.0346	6.076	1.50	1.060	33	0.311	0.262	0.684	0.3900	0.0001240	3.80	2.26	0.426	1.590	0.0566	0.517	8.99	30.3	0.795	1.270
600T150-43	0.0451	6.071	1.50	1.380	33	0.405	0.265	0.680	0.5040	0.0002750	3.81	2.26	0.425	2.070	0.0731	0.673	14.10	30.2	1.760	1.830
600T150-54	0.0566	6.085	1.50	1.730	50	0.509	0.269	0.675	0.6320	0.0005430	3.83	2.27	0.422	2.610	0.0908	0.843	27.40	24.5	3.480	2.330
600T150-68	0.0713	6.107	1.50	2.180	50	0.641	0.275	0.669	0.7970	0.0010900	3.87	2.27	0.420	3.310	0.1130	1.060	40.10	24.5	6.840	3.130
600T150-97	0.1017	6.153	1.50	3.110	50	0.913	0.285	0.656	1.1400	0.0031500	3.94	2.29	0.414	4.780	0.1570	1.500	65.00	24.6	13.900	4.780
600T200-33	0.0346	6.076	2.00	1.180	33	0.346	0.411	1.050	0.8470	0.0001380	3.44	2.35	0.604	1.910	0.1260	0.622	9.89	40.9	0.795	1.500
600T200-43	0.0451	6.071	2.00	1.530	33	0.451	0.414	1.040	1.1000	0.0003050	3.45	2.35	0.602	2.490	0.1630	0.809	16.80	40.9	1.760	2.060
600T200-54	0.0566	6.085	2.00	1.920	50	0.565	0.418	1.040	1.3800	0.0006040	3.46	2.36	0.600	3.140	0.2040	1.010	32.30	33.2	3.480	2.620
600T200-68	0.0713	6.107	2.00	2.420	50	0.712	0.422	1.030	1.7500	0.0012100	3.48	2.37	0.597	3.990	0.2540	1.280	43.80	33.3	6.840	3.510
600T200-97	0.1017	6.153	2.00	3.450	50	1.010	0.432	1.020	2.5100	0.0035000	3.52									

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 _x (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						

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	
	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	
	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	
	Lip 1/2"	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
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	
	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	
	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	
	Lip 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
362S200-97	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"	362S250-43	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"	362S250-54	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"	362S250-68	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	
362S250-97	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	19.4	25.4	22.0	18.0		
	L/360	26.1	23.7	20.7	20.7	18.8	16.4	18.1	16.4	14.3	16.4	14.9	13.0	15.2	13.8	12.1	14.3	13.0	11.4	13.6	12.4	10.8		
	Web Crippling	685.0	514.0	343.0	343.0	257.0	171.0	228.0	171.0	114.0	171.0	128.02												

	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
	7.9	6.8	5.6	7.4	6.4	5.3*	7.0	6.1	5.0*	6.7	5.8	4.8*	6.4	5.6	4.6*	-	-	-	-	-	-	-	-	-
	7.7	7.0	6.1*	7.4	6.7	5.9*	7.1	6.5	5.7*	6.9	6.3*	5.5*	6.7	6.1*	5.3*	-	-	-	-	-	-	-	-	-
	11.4	8.5	5.7	10.1	7.6	5.1	9.1	6.8	4.5	8.3	6.2	4.1	7.6	5.7	3.8	-	-	-	-	-	-	-	-	-
	9.5	8.2	6.7	9.0	7.8	6.3	8.5	7.4	6.0	8.1	7.0	5.7	7.8	6.7	5.5	-	-	-	-	-	-	-	-	-
	8.4	7.6	6.6	8.0	7.3	6.4	7.8	7.1	6.2	7.5	6.8	6.0	7.3	6.6	5.8	-	-	-	-	-	-	-	-	-
	19.0	14.2	9.5	16.9	12.6	8.4	15.2	11.4	7.6	13.8	10.3	6.9	12.6	9.5	6.3	-	-	-	-	-	-	-	-	-
	12.8	11.1	9.0	12.0	10.4	8.5	11.4	9.9	8.1	10.9	9.4	7.7	10.4	9.0	7.4	-	-	-	-	-	-	-	-	-
	8.9	8.1	7.1	8.6	7.8	6.8	8.3	7.5	6.6	8.0	7.3	6.4	7.8	7.1	6.2	-	-	-	-	-	-	-	-	-
	42.8	32.1	21.4	38.0	28.5	19.0	34.2	25.7	17.1	31.1	23.3	15.5	28.5	21.4	14.3	-	-	-	-	-	-	-	-	-
	9.6	8.3	6.8*	9.0	7.8*	6.4*	8.6	7.4*	6.1*	8.2	7.1*	5.8*	7.8*	6.8*	5.5*	-	-	-	-	-	-	-	-	-
	8.4	7.7	6.7*	8.1	7.4	6.4*	7.8	7.1*	6.2*	7.6	6.9*	6.0*	7.4	6.7*	5.9*	-	-	-	-	-	-	-	-	-
	11.4	8.5	5.7	10.1	7.6	5.1	9.1	6.8	4.5	8.3	6.2	4.1	7.6	5.7	3.8	-	-	-	-	-	-	-	-	-
	11.3	9.8	8.0	10.7	9.3	7.6	10.1	8.8	7.2	9.7	8.4	6.8	9.3	8.0	6.6*	-	-	-	-	-	-	-	-	-
	9.2	8.3	7.3	8.8	8.0	7.0	8.5	7.7	6.8	8.3	7.5	6.6	8.0	7.3	6.4*	-	-	-	-	-	-	-	-	-
	19.0	14.2	9.5	16.9	12.6	8.4	15.2	11.4	7.6	13.8	10.3	6.9	12.6	9.5	6.3	-	-	-	-	-	-	-	-	-
	15.2	13.1	10.7	14.3	12.4	10.1	13.6	11.7	9.6	12.9	11.2	9.1	12.4	10.7	8.8	-	-	-	-	-	-	-	-	-
	9.8	8.9	7.8	9.5	8.6	7.5	9.1	8.3	7.3	8.9	8.0	7.0	8.6	7.8	6.8	-	-	-	-	-	-	-	-	-
	42.8	32.1	21.4	38.0	28.5	19.0	34.2	25.7	17.1	31.1	23.3	15.5	28.5	21.4	14.3	-	-	-	-	-	-	-	-	-
	17.3	15.0	12.2	16.3	14.1	11.5	15.4	13.4	10.9	14.7	12.8	10.4	14.1	12.2	10.0	-	-	-	-	-	-	-	-	-
	10.5	9.6	8.4	10.1	9.2	8.0	9.8	8.9	7.8	9.5	8.6	7.5	9.2	8.4	7.3	-	-	-	-	-	-	-	-	-
	63.5	47.6	31.8	56.5	42.3	28.2	50.8	38.1	25.4	46.2	34.6	23.1	42.3	31.8	21.2	-	-	-	-	-	-	-	-	-
	20.0	17.3	14.2	18.9	16.3	13.3	17.9	15.5	12.7	17.1	14.8	12.1	16.3	14.2	11.6	-	-	-	-	-	-	-	-	-
	11.6	10.5	9.2	11.2	10.1	8.9	10.8	9.8	8.6	10.4	9.5	8.3	10.1	9.2	8.1	-	-	-	-	-	-	-	-	-
	85.6	64.2	42.8	76.1	57.1	38.1	68.5	51.4	34.3	62.3	46.7	31.1	57.1	42.8	28.5	-	-	-	-	-	-	-	-	-
	10.2	8.8*	7.2*	9.6	8.3*	6.8*	9.1*	7.9*	6.5*	8.7*	7.5*	6.2*	8.3*	7.2*	5.9*	7.7*	6.7*	5.5*	7.2*	6.2*	5.1*	6.8*	5.9*	4.8*
	8.9	8.1	7.0*	8.5	7.7*	6.8*	8.2	7.5*	6.5*	8.0	7.2*	6.3*	7.7*	7.0*	6.1*	7.4*	6.7*	5.8*	7.0*	6.4*	5.6*	6.8*	6.1*	5.4*
	11.4	8.5	5.7	10.1	7.6	5.1	9.1	6.8	4.5	8.3	6.2	4.1	7.6	5.7	3.8	6.5	4.9	3.2	5.7	4.3	2.8	5.1	3.8	2.5
	12.1	10.5	8.6	11.4	9.9	8.1	10.8	9.4	7.7*	10.3	9.0	7.3*	9.9	8.6	7.0*	9.2	7.9	6.5*	8.6	7.4*	6.1*	8.1	7.0*	5.7*
	9.7	8.8	7.7	9.3	8.5	7.4	9.0	8.2	7.1	8.7	7.9	6.9*	8.5	7.7	6.7*	8.1	7.3	6.4*	7.7	7.0	6.1*	7.4	6.7*	5.9*
	19.0	14.2	9.5	16.9	12.6	8.4	15.2	11.4	7.6	13.8	10.3	6.9	12.6	9.5	6.3	10.8	8.1	5.4	9.5	7.1	4.7	8.4	6.3	4.2
	16.2	14.0	11.4	15.2	13.2	10.8	14.5	12.5	10.2	13.8	11.9	9.8	13.2	11.4	9.3	12.2	10.6	8.6	11.4	9.9	8.1	10.8	9.3	7.6
	10.4	9.4	8.3	10.0	9.1	7.9	9.7	8.8	7.7	9.4	8.5	7.4	9.1	8.3	7.2	8.6	7.8	6.9	8.3	7.5	6.6	7.9	7.2	6.3
	42.8	32.1	21.4	38.0	28.5	19.0	34.2	25.7	17.1	31.1	23.3	15.5	28.5	21.4	14.3	24.4	18.3	12.2	21.4	16.0	10.7	19.0	14.3	9.5
	18.6	16.1	13.2	17.5	15.2	12.4	16.6	14.4	11.8	15.9	13.7	11.2	15.2	13.2	10.7	14.1	12.2	10.0	13.2	11.4	9.3	12.4	10.7	8.8
	11.1	10.1	8.8	10.7	9.7	8.5	10.3	9.4	8.2	10.0	9.1	8.0	9.7	8.8	7.7	9.2	8.4	7.3	8.8	8.0	7.0	8.5	7.7	6.7
	63.5	47.6	31.8	56.5	42.3	28.2	50.8	38.1	25.4	46.2	34.6	23.1	42.3	31.8	21.2	36.3	27.2	18.1	31.8	23.8	15.9	28.2	21.2	14.1
	21.9	18.9	15.5	20.6	17.8	14.6	19.6	16.9	13.8	18.6	16.1	13.2	17.8	15.5	12.6	16.5	14.3	11.4	15.5	13.4	10.0	14.6	12.6	8.9
	12.3	11.2	9.8	11.8	10.8	9.4	11.4	10.4	9.1	11.1	10.1	8.8	10.8	9.8	8.5	10.2	9.3	8.1	9.8	8.9	7.8	9.4	8.5	7.5
	85.6	64.2	42.8	76.1	57.1	38.1	68.5	51.4	34.3	62.3	46.7	31.1	57.1	42.8	28.5	48.9	36.7	24.5	42.8	32.1	21.4	38.1	28.5	19.0
	12.6	10.9	8.9	11.9	10.3	8.4	11.2	9.7	8.0*	10.7	9.3	7.6*	10.3	8.9	7.3*	9.5	8.2*	6.7*	8.9	7.7*	6.3*	8.4	7.3*	5.9*
	10.2	9.3	8.1	9.8	8.9	7.8	9.5	8.6	7.5	9.2	8.3	7.3*	8.9	8.1	7.1*	8.5	7.7	6.7*	8.1	7.4*	6.4*	7.8	7.1*	6.2*
	19.0	14.2	9.5	16.9	12.6	8.4	15.2	11.4	7.6	13.8	10.3	6.9	12.6	9.5	6.3	10.8	8.1	5.4	9.5	7.1	4.7	8.4	6.3	4.2
	16.6	14.4	11.7	15.6	13.5	11.1	14.8	12.9	10.5	14.2	12.3	10.0	13.5	11.7	9.6	12.5	10.9	8.9	11.7	10.2	8.3	11.1	9.6	7.8
	10.8	9.8	8.6	10.4	9.5	8.3	10.0	9.1	8.0	9.7	8.8	7.7	9.5	8.6	7.5	9.0	8.2	7.1	8.6	7.8	6.8	8.3	7.5	6.6
	42.8	32.1	21.4	38.0	28.5	19.0	34.2	25.7	17.1	31.1	23.3	15.5	28.5	21.4	14.3	24.4	18.3	12.2	21.4	16.0	10.7	19.0	14.3	9.5
	19.2	16.6	13.6	18.1	15.7	12.8	17.2	14.9	12.1	16.4	14.2	11.6	15.7	13.6	11.1	14.5	12.6	10.3	13.6	11.8	9.6	12.8	11.1	9.1
	11.7	10.6	9.3	11.3	10.2	8.9	10.9	9.9	8.6	10.5	9.6	8.4	10.2	9.3	8.1	9.7	8.8	7.7	9.3	8.5	7.4	8.9	8.1	7.1
	63.5	47.6	31.8	56.5	42.3	28.2	50.8	38.1	25.4	46.2	34.6	23.1	42.3	31.8	21.2	36.3	27.2	18.1	31.8	23.8	15.9	28.2	21.2	14.1
	23.8	20.6	16.8	22.4	19.4	15.9	21.3	18.4	15.0	20.3	17.6	14.3	19.4	16.8	13.3	18.0	15.6	11.4	16.8	14.6	10.0	15.9	13.3	8.9
	13.0	11.8	10.3	12.5	11.4	9.9	12.1	11.0	9.6	11.7	10.6	9.3	11.4	10.3	9.0	10.8	9.8	8.6	10.3	9.4	8.2	9.9	9.0	7.9
	85.6	64.2	42.8	76.1	57.1	38.1	68.5	51.4	34.3	62.3	46.7	31.1	57.1	42.8	28.5	48.9	36.7	24.5	42.8	32.1	21.4	38.1	28.5	19.0
	8.3	7.2	5.9*	7.9	6.8	5.6*	7.4	6.5	5.3*	7.1	6.2*	5.0*	6.8	5.9*	4.8*	-	-	-	-	-	-	-	-	-
	8.3	7.5	6.6*	8.0	7.2	6.3*	7.7	7.0*	6.1*	7.5	6.8*	5.9*	7.2	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	-	-	-	-	-	-	-	-	-
	10.1	8.7	7.1	9.5	8.2	6.7	9.0	7.8	6.4	8.6	7.4	6.1	8.2	7.1	5.8	-	-	-	-	-	-	-	-	-
	9.0	8.2	7.2	8.7	7.9	6.9	8.4	7.6	6.7	8.1	7.4	6.5	7.9	7.2	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	-	-	-	-	-	-	-	-	-

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" Flange 2" Lip 5/8"	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" Flange 2-1/2" Lip 5/8"	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" Flange 1 1/4" Lip 3/16"	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		
	Stud 6" Flange 1-5/8" Lip 1/2" Lip 5/8"	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	27.6	25.0	21.9	24.1	21.9	19.1	21.9	19.9	17.4	20.3	18.4	16.1	19.1	17.4	15.2	18.2	16.5	14.4			
	Web Crippling	657.0	493.0	329.0	329.0	246.0	164.0	219.0																	

	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																				

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 6"	600S250-43	Strength	46.8	40.5	33.1	33.1	28.7	23.4	27.0	23.4	19.1	23.4	20.3	16.5	20.9	18.1	14.8*	19.1	16.5	13.5*	17.7	15.3*	12.5*	
		L/360	29.9	27.2	23.7	23.7	21.6	18.8	20.7	18.8	16.5	18.8	17.1	14.9	17.5	15.9	13.9	16.5	14.9	13.1*	15.6	14.2	12.4*	
		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	
	600S250-54	Strength	62.3	53.9	44.0	44.0	38.1	31.1	36.0	31.1	25.4	31.1	27.0	22.0	27.9	24.1	19.7	25.4	22.0	18.0	23.5	20.4	16.6	
		L/360	31.7	28.8	25.2	25.2	22.9	20.0	22.0	20.0	17.5	20.0	18.2	15.9	18.6	16.9	14.7	17.5	15.9	13.9	16.6	15.1	13.2	
		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	
600S250-68	Strength	72.7	62.9	51.4	51.4	44.5	36.3	41.9	36.3	29.7	36.3	31.5	25.7	32.5	28.1	23.0	29.7	25.7	21.0	27.5	23.8	19.4		
	L/360	34.4	31.3	27.3	27.3	24.8	21.7	23.9	21.7	18.9	21.7	19.7	17.2	20.1	18.3	16.0	18.9	17.2	15.0	18.0	16.3	14.3		
	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		
Lip 5/8"	600S250-97	Strength	91.2	79.0	64.5	64.5	55.9	45.6	52.7	45.6	37.2	45.6	39.5	32.3	40.8	35.3	28.8	37.2	32.3	26.3	34.5	29.9	24.4	
	L/360	38.4	34.9	30.5	30.5	27.7	24.2	26.6	24.2	21.1	24.2	22.0	19.2	22.5	20.4	17.8	21.1	19.2	16.8	20.1	18.2	15.9		
	Web Crippling	657.0	493.0	329.0	329.0	246.0	164.0	219.0	164.0	110.0	164.0	123.0	82.1	131.0	98.6	65.7	110.0	82.1	54.8	93.9	70.4	46.9		
Stud 6"	600S300-54	Strength	63.3	54.8	44.7	44.7	38.7	31.6	36.5	31.6	25.8	31.6	27.4	22.4	28.3	24.5	20.0	25.8	22.4	18.3	23.9	20.7	16.9	
		L/360	32.5	29.5	25.8	25.8	23.4	20.5	22.5	20.5	17.9	20.5	18.6	16.3	19.0	17.3	15.1	17.9	16.3	14.2	17.0	15.4	13.5	
		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	
	600S300-68	Strength	74.0	64.1	52.3	52.3	45.3	37.0	42.7	37.0	30.2	37.0	32.0	26.2	33.1	28.7	23.4	30.2	26.2	21.4	28.0	24.2	19.8	
		L/360	35.3	32.1	28.1	28.1	25.5	22.3	24.5	22.3	19.5	22.3	20.2	17.7	20.7	18.8	16.4	19.5	17.7	15.4	18.5	16.8	14.7	
		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	
Lip 5/8"	600S300-97	Strength	93.5	81.0	66.1	66.1	57.2	46.7	54.0	46.7	38.2	46.7	40.5	33.1	41.8	36.2	29.6	38.2	33.1	27.0	35.3	30.6	25.0	
	L/360	39.8	36.2	31.6	31.6	28.7	25.1	27.6	25.1	21.9	25.1	22.8	19.9	23.3	21.2	18.5	21.9	19.9	17.4	20.8	18.9	16.5		
	Web Crippling	657.0	493.0	329.0	329.0	246.0	164.0	219.0	164.0	110.0	164.0	123.0	82.1	131.0	98.6	65.7	110.0	82.1	54.8	93.9	70.4	46.9		
Stud 8"	800S162-43	Strength	49.8	43.1	35.2	35.2	30.5	24.9*	28.7	24.9*	20.3*	24.9*	21.5*	17.6*	22.3*	19.3*	15.7*	20.3*	17.6*	14.4*	18.8*	16.3*	13.3*	
		L/360	33.9	30.8	26.9	26.9	24.5	21.4	23.5	21.4	18.7*	21.4	19.4*	17.0*	19.8*	18.0*	15.8*	18.7*	17.0*	14.8*	17.7*	16.1*	14.1*	
		Web Crippling	92.6	69.4	46.3	46.3	34.7	23.1	30.9	23.1	15.4	23.1	17.4	11.6	18.5	13.9	9.3	15.4	11.6	7.7	13.2	9.9	6.6	
	800S162-54	Strength	66.6	57.7	47.1	47.1	40.8	33.3	38.4	33.3	27.2	33.3	28.8	23.5	29.8	25.8	21.1	27.2	23.5	19.2*	25.2	21.8	17.8*	
		L/360	36.5	33.1	29.0	29.0	26.3	23.0	25.3	23.0	20.1	23.0	20.9	18.2	21.3	19.4	16.9	20.1	18.2	15.9	19.1	17.3	15.1	
		Web Crippling	215.0	162.0	108.0	108.0	80.8	53.9	71.8	53.9	35.9	53.9	40.4	26.9	43.1	32.3	21.5	35.9	26.9	18.0	30.8	23.1	15.4	
Lip 1 5/8"	800S162-68	Strength	78.1	67.6	55.2	55.2	47.8	39.0	45.1	39.0	31.9	39.0	33.8	27.6	34.9	30.2	24.7	31.9	27.6	22.5	29.5	25.6	20.9	
	L/360	39.5	35.9	31.3	31.3	28.5	24.9	27.4	24.9	21.7	24.9	22.6	19.7	23.1	21.0	18.3	21.7	19.7	17.2	20.6	18.7	16.4		
	Web Crippling	331.0	248.0	165.0	165.0	124.0	82.7	110.0	82.7	55.1	82.7	62.0	41.3	66.2	49.6	33.1	55.1	41.3	27.6	47.3	35.4	23.6		
Lip 1/2"	800S162-97	Strength	98.6	85.4	69.7	69.7	60.4	49.3	56.9	49.3	40.3	49.3	42.7	34.9	44.1	38.2	31.2	40.3	34.9	28.5	37.3	32.3	26.4	
	L/360	43.9	39.9	34.9	34.9	31.7	27.7	30.5	27.7	24.2	27.7	25.1	22.0	25.7	23.3	20.4	24.2	22.0	19.2	23.0	20.9	18.2		
	Web Crippling	638.0	479.0	319.0	319.0	239.0	160.0	213.0	160.0	106.0	160.0	120.0	79.8	128.0	95.7	63.8	106.0	79.8	53.2	91.2	68.4	45.6		
Stud 8"	800S200-43	Strength	53.2	46.1	37.7	37.7	32.6	26.6*	30.7	26.6*	21.7*	26.6*	23.1*	18.8*	23.8*	20.6*	16.8*	21.7*	18.8*	15.4*	20.1*	17.4*	14.2*	
		L/360	35.9	32.6	28.5	28.5	25.9	22.6	24.9	22.6	19.8*	22.6	20.5*	17.9*	21.0*	19.1*	16.7*	19.8*	17.9*	15.7*	18.8*	17.0*	14.9*	
		Web Crippling	92.6	69.4	46.3	46.3	34.7	23.1	30.9	23.1	15.4	23.1	17.4	11.6	18.5	13.9	9.3	15.4	11.6	7.7	13.2	9.9	6.6	
	800S200-54	Strength	71.1	61.5	50.2	50.2	43.5	35.5	41.0	35.5	29.0	35.5	30.8	25.1	31.8	27.5	22.5*	29.0	25.1	20.5*	26.9	23.3*	19.0*	
		L/360	38.6	35.0	30.6	30.6	27.8	24.3	26.7	24.3	21.2	24.3	22.1	19.3	22.6	20.5	17.9	21.2	19.3	16.8	20.2	18.3	16.0*	
		Web Crippling	215.0	162.0	108.0	108.0	80.8	53.9	71.8	53.9	35.9	53.9	40.4	26.9	43.1	32.3	21.5	35.9	26.9	18.0	30.8	23.1	15.4	
Lip 5/8"	800S200-68	Strength	83.1	72.0	58.8	58.8	50.9	41.6	48.0	41.6	33.9	41.6	36.0	29.4	37.2	32.2	26.3	33.9	29.4	24.0	31.4	27.2	22.2	
	L/360	41.4	37.6	32.9	32.9	29.9	26.1	28.7	26.1	22.8	26.1	23.7	20.7	24.2	22.0	19.2	22.8	20.7	18.1	21.6	19.7	17.2		
	Web Crippling	331.0	248.0	165.0	165.0	124.0	82.7	110.0	82.7	55.1	82.7	62.0	41.3	66.2	49.6	33.1	55.1	41.3	27.6	47.3	35.4	23.6		
Lip 5/8"	800S200-97	Strength	105.0	90.7	74.1	74.1	64.1	52.4	60.5	52.4	42.8	52.4	45.3	37.0	46.8	40.6	33.1	42.8	37.0	30.2	39.6	34.3	28.0	
	L/360	46.1	41.9	36.6	36.6	33.2	29.0	31.9	29.0	25.3	29.0	26.4	23.0	26.9	24.5	21.4	25.3	23.0	20.1	24.1	21.9	19.1		
	Web Crippling	638.0	479.0	319.0	319.0	239.0	160.0	213.0	160.0	106.0	160.0	120.0	79.8	128.0	95.7	63.8	106.0	79.8	53.2	91.2	68.4	45.6		
Stud 8"	800S250-43	Strength	54.6	47.3	38.6	38.6	33.4	27.3*	31.5*	27.3*	22.3*	27.3*	23.6*	19.3*	24.4*	21.1*	17.3*	22.3*	19.3*	15.8*	20.6*	17.9*	14.6*	
		L/360	37.4	33.9	29.7	29.7	26.9	23.5*	25.9	23.5*	20.6*	23.5*	21.4*	18.7*	21.8*	19.9*	17.3*	20.6*	18.7*	16.3*	19.5*	17.7*	15.5*	
		Web Crippling	92.6	69.4	46.3	46.3	34.7	23.1	30.9	23.1	15.4	23.1	17.4	11.6	18.5	13.9	9.3	15.4	11.6	7.7	13.2	9.9	6.6	
	800S250-54	Strength	72.7	63.0	51.4	51.4	44.5	36.4	42.0	36.4	29.7	36.4	31.5	25.7	32.5	28.2	23.0*	29.7	25.7	21.0*	27.5	23.8*	19.4*	
		L/360	39.7	36.1	31.5	31.5	28.6	25.0	27.5	25.0	21.8	25.0	22.7	19.8	23.2	21.1	18.4	21.8	19.8	17.3	20.8	18.9	16.5*	
		Web Crippling	215.0	162.0	108.0	108.0																		

	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
	16.5	14.3*	11.7*	15.6	13.5*	11.0*	14.8*	12.8*	10.5*	14.1*	12.2*	10.0*	13.5*	11.7*	9.6*	12.5*	10.8*	8.8*	11.7*	10.1*	8.3*	11.0*	9.6*	7.8*
	14.9	13.6*	11.9*	14.4	13.1*	11.4*	13.9	12.6*	11.0*	13.4*	12.2*	10.7*	13.1*	11.9*	10.4*	12.4*	11.3*	9.8*	11.9*	10.8*	9.4*	11.4*	10.4*	9.1*
	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	10.2	7.6	5.1	8.9	6.7	4.5	7.9	5.9	4.0
	22.0	19.1	15.6	20.8	18.0	14.7	19.7	17.1	13.9	18.8	16.3	13.3	18.0	15.6	12.7	16.6	14.4	11.8*	15.6	13.5	11.0*	14.7	12.7	10.4*
	15.9	14.4	12.6	15.3	13.9	12.1	14.7	13.4	11.7	14.3	13.0	11.3	13.9	12.6	11.0	13.2	12.0	10.4	12.6	11.4	10.0	12.1	11.0	9.6*
	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	23.1	17.4	11.6	20.3	15.2	10.1	18.0	13.5	9.0
	25.7	22.2	18.2	24.2	21.0	17.1	23.0	19.9	16.2	21.9	19.0	15.5	21.0	18.2	14.8	19.4	16.8	13.7	18.2	15.7	12.8	17.1	14.8	12.1
	17.2	15.6	13.7	16.5	15.0	13.1	16.0	14.5	12.7	15.5	14.1	12.3	15.0	13.7	11.9	14.3	13.0	11.3	13.7	12.4	10.8	13.1	11.9	10.4
	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	34.6	26.0	17.3	30.3	22.7	15.1	26.9	20.2	13.5
	32.3	27.9	22.8	30.4	26.3	21.5	28.8	25.0	20.4	27.5	23.8	19.4	26.3	22.8	18.6	24.4	21.1	17.2	22.8	19.7	16.1	21.5	18.6	15.2
	19.2	17.5	15.2	18.5	16.8	14.7	17.8	16.2	14.2	17.3	15.7	13.7	16.8	15.2	13.3	15.9	14.5	12.7	15.2	13.9	12.1	14.7	13.3	11.6
	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	46.9	35.2	23.5	41.1	30.8	20.5	36.5	27.4	18.3
	22.4	19.4	15.8	21.1	18.3	14.9	20.0	17.3	14.1	19.1	16.5	13.5	18.3	15.8	12.9	16.9	14.6	12.0*	15.8	13.7	11.2*	14.9	12.9	10.5*
	16.3	14.8	12.9	15.6	14.2	12.4	15.1	13.7	12.0	14.6	13.3	11.6	14.2	12.9	11.3	13.5	12.3	10.7	12.9	11.7	10.2*	12.4	11.3	9.8*
	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	23.1	17.4	11.6	20.3	15.2	10.1	18.0	13.5	9.0
	26.2	22.7	18.5	24.7	21.4	17.4	23.4	20.3	16.5	22.3	19.3	15.8	21.4	18.5	15.1	19.8	17.1	14.0	18.5	16.0	13.1	17.4	15.1	12.3
	17.7	16.1	14.0	17.0	15.4	13.5	16.4	14.9	13.0	15.9	14.4	12.6	15.4	14.0	12.3	14.7	13.3	11.6	14.0	12.7	11.1	13.5	12.3	10.7
	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	34.6	26.0	17.3	30.3	22.7	15.1	26.9	20.2	13.5
	33.1	28.6	23.4	31.2	27.0	22.0	29.6	25.6	20.9	28.2	24.4	19.9	27.0	23.4	19.1	25.0	21.6	17.7	23.4	20.2	16.5	22.0	19.1	15.6
	19.9	18.1	15.8	19.2	17.4	15.2	18.5	16.8	14.7	17.9	16.3	14.2	17.4	15.8	13.8	16.5	15.0	13.1	15.8	14.4	12.6	15.2	13.8	12.1
	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	46.9	35.2	23.5	41.1	30.8	20.5	36.5	27.4	18.3
	17.6*	15.2*	12.4*	16.6*	14.4*	11.7*	15.7*	13.6*	11.1*	15.0*	13.0*	10.6*	14.4*	12.4*	10.2*	-	-	-	-	-	-	-	-	-
	17.0*	15.4*	13.5*	16.3*	14.8*	13.0*	15.8*	14.3*	12.5*	15.3*	13.9*	12.1*	14.8*	13.5*	11.8*	-	-	-	-	-	-	-	-	-
	11.6	8.7	5.8	10.3	7.7	5.1	9.3	6.9	4.6	8.4	6.3	4.2	7.7	5.8	3.9	-	-	-	-	-	-	-	-	-
	23.5	20.4*	16.6*	22.2	19.2*	15.7*	21.1	18.2*	14.9*	20.1*	17.4*	14.2*	19.2*	16.6*	13.6*	-	-	-	-	-	-	-	-	-
	18.2	16.6	14.5*	17.5	15.9	13.9*	16.9	15.4	13.4*	16.4	14.9*	13.0*	15.9	14.5*	12.6*	-	-	-	-	-	-	-	-	-
	26.9	20.2	13.5	23.9	18.0	12.0	21.5	16.2	10.8	19.6	14.7	9.8	18.0	13.5	9.0	-	-	-	-	-	-	-	-	-
	27.6	23.9	19.5	26.0	22.5	18.4*	24.7	21.4	17.5*	23.5	20.4	16.6*	22.5	19.5	15.9*	-	-	-	-	-	-	-	-	-
	19.7	17.9	15.7	19.0	17.2	15.1	18.3	16.6	14.5	17.7	16.1	14.1	17.2	15.7	13.7	-	-	-	-	-	-	-	-	-
	41.3	31.0	20.7	36.8	27.6	18.4	33.1	24.8	16.5	30.1	22.6	15.0	27.6	20.7	13.8	-	-	-	-	-	-	-	-	-
	34.9	30.2	24.7	32.9	28.5	23.2	31.2	27.0	22.0	29.7	25.7	21.0	28.5	24.7	20.1	-	-	-	-	-	-	-	-	-
	22.0	20.0	17.4	21.1	19.2	16.8	20.4	18.5	16.2	19.8	17.9	15.7	19.2	17.4	15.2	-	-	-	-	-	-	-	-	-
	79.8	59.8	39.9	70.9	53.2	35.5	63.8	47.9	31.9	58.0	43.5	29.0	53.2	39.9	26.6	-	-	-	-	-	-	-	-	-
	18.8*	16.3*	13.3*	17.7*	15.4*	12.6*	16.8*	14.6*	11.9*	16.1*	13.9*	11.4*	15.4*	13.3*	10.9*	-	-	-	-	-	-	-	-	-
	17.9*	16.3*	14.2*	17.3*	15.7*	13.7*	16.7*	15.1*	13.2*	16.1*	14.7*	12.8*	15.7*	14.2*	12.4*	-	-	-	-	-	-	-	-	-
	11.6	8.7	5.8	10.3	7.7	5.1	9.3	6.9	4.6	8.4	6.3	4.2	7.7	5.8	3.9	-	-	-	-	-	-	-	-	-
	25.1	21.8*	17.8*	23.7	20.5*	16.7*	22.5*	19.5*	15.9*	21.4*	18.6*	15.1*	20.5*	17.8*	14.5*	-	-	-	-	-	-	-	-	-
	19.3	17.5	15.3*	18.5	16.8	14.7*	17.9	16.3*	14.2*	17.3	15.8*	13.8*	16.8	15.3*	13.4*	-	-	-	-	-	-	-	-	-
	26.9	20.2	13.5	23.9	18.0	12.0	21.5	16.2	10.8	19.6	14.7	9.8	18.0	13.5	9.0	-	-	-	-	-	-	-	-	-
	29.4	25.4	20.8*	27.7	24.0	19.6*	26.3	22.8	18.6*	25.1	21.7	17.7*	24.0	20.8*	17.0*	-	-	-	-	-	-	-	-	-
	20.7	18.8	16.4	19.9	18.1	15.8	19.2	17.5	15.3	18.6	16.9	14.8	18.1	16.4	14.4*	-	-	-	-	-	-	-	-	-
	41.3	31.0	20.7	36.8	27.6	18.4	33.1	24.8	16.5	30.1	22.6	15.0	27.6	20.7	13.8	-	-	-	-	-	-	-	-	-
	37.0	32.1	26.2	34.9	30.2	24.7	33.1	28.7	23.4	31.6	27.3	22.3	30.2	26.2	21.4	-	-	-	-	-	-	-	-	-
	23.0	20.9	18.3	22.1	20.1	17.6	21.4	19.4	17.0	20.7	18.8	16.4	20.1	18.3	16.0	-	-	-	-	-	-	-	-	-
	79.8	59.8	39.9	70.9	53.2	35.5	63.8	47.9	31.9	58.0	43.5	29.0	53.2	39.9	26.6	-	-	-	-	-	-	-	-	-
	19.3*	16.7*	13.6*	18.2*	15.8*	12.9*	17.3*	15.0*	12.2*	16.5*	14.3*	11.6*	15.8*	13.6*	11.1*	14.6*	12.6*	10.3*	13.6*	11.8*	9.7*	12.9*	11.1*	9.1*
	18.7*	17.0*	14.8*	18.0*	16.3*	14.3*	17.3*	15.8*	13.8*	16.8*	15.3*	13.3*	16.3*	14.8*	13.0*	15.5*	14.1*	12.3*	14.8*	13.5*	11.8*	14.3*	13.0*	11.3*
	11.6	8.7	5.8	10.3	7.7	5.1	9.3	6.9	4.6	8.4	6.3	4.2	7.7	5.8	3.9	6.6	5.0	3.3	5.8	4.3	2.9	5.1	3.9	2.6
	25.7	22.3*	18.2*	24.2*	21.0*	17.1*	23.0*	19.9*	16.3*	21.9*	19.0*	15.5*	21.0*	18.2*	14.8*	19.4*	16.8*	13.7*	18.2*	15.7*	12.9*	17.1*	14.8*	12.1*
	19.8	18.0																						

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.)	0 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	-	4.96	7.94	10.55	16.33	-	6.59	11.30	14.94	23.14	-	7.21	11.91	17.14	28.60	-	12.40	17.52	31.19					
	16	-	4.96	7.94	10.55	16.33	-	6.59	11.30	14.94	23.14	-	7.21	11.91	17.14	28.60	-	12.40	17.52	31.19					
	24	-	4.96	7.94	10.55	16.33	-	6.59	11.30	14.94	23.14	-	7.21	11.91	17.14	28.60	-	12.40	17.52	31.19					
9	12	-	4.96	7.94	10.55	16.33	-	6.59	11.30	14.94	23.14	-	7.19	11.86	17.08	28.48	-	12.34	17.42	30.97					
	16	-	4.96	7.94	10.55	16.33	-	6.59	11.30	14.94	23.14	-	7.19	11.86	17.08	28.48	-	12.34	17.42	30.97					
	24	-	4.96	7.94	10.55	16.33	-	6.59	11.30	14.94	23.14	-	7.19	11.86	17.08	28.48	-	12.34	17.42	30.97					
10	12	-	4.96	7.94	10.55	16.33	-	6.59	11.30	14.94	23.14	-	7.16	11.79	17.00	28.32	-	12.25	17.30	30.68					
	16	-	4.96	7.94	10.55	16.33	-	6.59	11.30	14.94	23.14	-	7.16	11.79	17.00	28.32	-	12.25	17.30	30.68					
	24	-	4.96	7.94	10.55	16.33	-	6.59	11.30	14.94	23.14	-	7.16	11.79	17.00	28.32	-	12.25	17.30	30.68					
11	12	-	4.96	7.94	10.55	16.33	-	6.59	11.30	14.94	23.14	-	7.13	11.71	16.90	28.13	-	12.16	17.15	30.34					
	16	-	4.96	7.94	10.55	16.33	-	6.59	11.30	14.94	23.14	-	7.13	11.71	16.90	28.13	-	12.16	17.15	30.34					
	24	-	4.96	7.94	10.55	16.33	-	6.59	11.30	14.94	23.14	-	7.13	11.71	16.90	28.13	-	12.16	17.15	30.34					
12	12	-	4.96	7.94	10.55	16.33	-	6.59	11.30	14.94	23.14	-	7.09	11.61	16.77	27.90	-	12.04	16.98	29.93					
	16	-	4.96	7.94	10.55	16.33	-	6.59	11.30	14.94	23.14	-	7.09	11.61	16.77	27.90	-	12.04	16.98	29.93					
	24	-	4.96	7.94	10.55	16.33	-	6.59	11.30	14.94	23.14	-	7.09	11.61	16.77	27.90	-	12.04	16.98	29.93					
13	12	-	4.96	7.94	10.55	16.33	-	6.57	11.29	14.94	23.14	-	7.04	11.48	16.63	27.62	-	11.90	16.77	29.45					
	16	-	4.96	7.94	10.55	16.33	-	6.57	11.29	14.94	23.14	-	7.04	11.48	16.63	27.62	-	11.90	16.77	29.45					
	24	-	4.96	7.94	10.55	16.33	-	6.57	11.29	14.94	23.14	-	7.04	11.48	16.63	27.62	-	11.90	16.77	29.45					
14	12	-	4.96	7.94	10.55	16.33	-	6.51	11.13	14.84	23.14	-	6.98	11.33	16.37	27.15	-	11.74	16.53	28.91					
	16	-	4.96	7.94	10.55	16.33	-	6.51	11.13	14.84	23.14	-	6.98	11.33	16.37	27.15	-	11.74	16.53	28.91					
	24	-	4.96	7.94	10.55	16.33	-	6.51	11.13	14.84	23.14	-	6.98	11.33	16.37	27.15	-	11.74	16.53	28.91					
16	12	-	4.96	7.94	10.55	16.33	-	6.35	10.72	14.28	22.50	-	6.83	10.97	15.75	25.95	-	11.36	15.97	27.66					
	16	-	4.96	7.94	10.55	16.33	-	6.35	10.72	14.28	22.50	-	6.83	10.97	15.75	25.95	-	11.36	15.97	27.66					
	24	-	4.96	7.94	10.55	16.33	-	6.35	10.72	14.28	22.50	-	6.83	10.97	15.75	25.95	-	11.36	15.97	27.66					
18	12	-	4.96	7.94	10.55	16.33	-	6.13	10.17	13.56	21.34	-	6.65	10.52	15.03	24.52	-	10.92	15.39	26.26					
	16	-	4.96	7.94	10.55	16.33	-	6.13	10.17	13.56	21.34	-	6.65	10.52	15.03	24.52	-	10.92	15.39	26.26					
	24	-	4.96	7.94	10.55	16.33	-	6.13	10.17	13.56	21.34	-	6.65	10.52	15.03	24.52	-	10.92	15.39	26.26					
20	12	-	4.89	7.85	10.55	16.33	-	5.87	9.53	12.71	20.00	-	6.45	10.08	14.26	22.94	-	10.43	14.77	24.76					
	16	-	4.89	7.85	10.55	16.33	-	5.87	9.53	12.71	20.00	-	6.45	10.08	14.26	22.94	-	10.43	14.77	24.76					
	24	-	4.89	7.85	10.55	16.33	-	5.87	9.53	12.71	20.00	-	6.45	10.08	14.26	22.94	-	10.43	14.77	24.76					
22	12	-	4.67	7.31	9.87	15.79	-	5.58	8.82	11.78	18.53	-	6.22	9.68	13.47	21.27	-	9.90	14.11	23.22					
	16	-	4.67	7.31	9.87	15.79	-	5.58	8.82	11.78	18.53	-	6.22	9.68	13.47	21.27	-	9.90	14.11	23.22					
	24	-	4.67	7.31	9.87	15.79	-	5.58	8.82	11.78	18.53	-	6.22	9.68	13.47	21.27	-	9.90	14.11	23.22					
24	12	-	4.41	6.73	9.08	14.51	-	5.27	8.09	10.81	17.01	-	5.97	9.17	12.57	19.56	-	9.33	13.41	21.73					
	16	-	4.41	6.73	9.08	14.51	-	5.27	8.09	10.81	17.01	-	5.97	9.17	12.57	19.56	-	9.33	13.41	21.73					
	24	-	4.41	6.73	9.08	14.51	-	5.27	8.09	10.81	17.01	-	5.97	9.17	12.57	19.56	-	9.33	13.41	21.73					

Wall Height (ft.)	O.C. (in.)	10 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	2.59	3.70	5.86	7.63	11.19	2.82	4.03	6.53	8.78	12.94	3.38	5.01	8.21	10.89	15.77	5.60	8.93	12.39	18.28	
	16	2.45	3.56	5.73	7.49	11.04	2.69	3.89	6.40	8.64	12.79	3.24	4.86	8.07	10.75	15.62	5.45	8.79	12.24	18.13	
	24	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	
9	12	2.37	3.44	5.42	7.04	10.32	2.63	3.80	6.15	8.28	12.16	3.17	4.72	7.70	10.24	14.78	5.33	8.57	11.81	17.15	
	16	2.20	3.26	5.25	6.87	10.13	2.46	3.63	5.99	8.10	11.97	2.99	4.54	7.53	10.06	14.59	5.14	8.39	11.62	16.97	
	24	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	
10	12	2.14	3.15	4.93	6.39	9.36	2.41	3.54	5.71	7.71	11.26	2.93	4.40	7.14	9.51	13.68	5.03	8.08	11.08	15.92	
	16	1.93	2.94	4.74	6.19	9.14	2.21	3.33	5.52	7.49	11.03	2.72	4.18	6.92	9.30	13.46	4.80	7.86	10.84	15.71	
	24	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	
11	12	1.88	2.84	4.40	5.70	8.36	2.18	3.25	5.23	7.05	10.29	2.68	4.05	6.53	8.73	12.51	4.70	7.52	10.18	14.62	
	16	1.65	2.60	4.18	5.47	8.11	1.95	3.01	5.00	6.81	10.02	2.43	3.80	6.28	8.48	12.26	4.42	7.26	9.91	14.37	
	24	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	
12	12	1.63	2.52	3.86	5.01	7.34	1.93	2.95	4.73	6.34	9.26	2.41	3.69	5.90	7.88	11.31	4.34	6.94	9.22	13.28	
	16	1.38	2.25	3.62	4.77	7.07	1.67	2.68	4.47	6.07	8.97	2.13	3.40	5.62	7.60	11.02	4.02	6.64	8.92	13.00	
	24	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	
13	12	1.38	2.20	3.36	4.38	6.42	1.68	2.63	4.20	5.62	8.22	2.14	3.31	5.26	7.01	10.10	3.93	6.21	8.25	11.94	
	16	1.12	1.91	3.11	4.13	6.13	1.41	2.34	3.93	5.33	7.90	1.83	3.00	4.97	6.72	9.79	3.58	5.89	7.92	11.63	
	24	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	
14	12	1.15	1.89	2.91	3.82	5.61	1.44	2.32	3.71	4.94	7.23	1.86	2.94	4.64	6.18	8.92	3.51	5.50	7.29	10.61	
	16	0.88	1.60	2.66	3.56	5.32	1.15	2.01	3.42	4.64	6.90	1.54	2.61	4.34	5.87	8.60	3.14	5.16	6.95	10.28	
	24	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	12	0.74	1.34	2.18	2.90	4.29	1.00	1.74	2.86	3.80	5.60	1.34	2.25	3.59	4.79	6.98	2.71	4.28	5.69	8.38	
	16	0.47*	1.05	1.92	2.64	4.00	0.70	1.41	2.56	3.49	5.26	1.01	1.89	3.28	4.47	6.64	2.31	3.92	5.33	8.04	
	24	-	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	
18	12	0.44*	0.90*	1.62	2.20	3.31	0.64*	1.24	2.16	2.92	4.36	0.90	1.64	2.76	3.72	5.50	2.01	3.31	4.45	6.67	
	16	0.18*	0.62*	1.37*	1.95	3.02	0.34*	0.91*	1.87	2.61	4.02	0.57*	1.29	2.44	3.41	5.16	1.62	2.95	4.10	6.32	
	24	-	-	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	
20	12	0.21*	0.58*	1.20*	1.68	2.57	0.36*	0.85*	1.62	2.24	3.41	0.56*	1.17	2.11	2.91	4.36	1.45	2.55	3.50	5.35	
	16	-	0.32*	0.96*	1.43*	2.29	0.08*	0.54*	1.35*	1.95	3.09	0.25*	0.83*	1.81*	2.61	4.04	1.07*	2.21	3.16	5.00	
	24	-	-	-	1.93*	1.80*	-	-	0.86*	1.43*	2.52*	-	0.24*	1.28*	2.07*	3.44	0.41*	1.61*	2.55*	4.38	
22	12	-	0.35*	0.88*	1.27*	2.00	0.15*	0.55*	1.22*	1.73	2.69	0.30*	0.81*	1.61*	2.29	3.49	1.03*	1.96	2.77	4.33	
	16	-	-	0.66*	1.04*	1.74*	-	0.25*	0.95*	1.45*	2.38	-	0.48*	1.33*	1.99*	3.18	0.66*	1.64*	2.44	3.99	
	24	-	-	-	-	1.28*	-	-	-	0.96*	1.84*	-	-	-	-	1.48*	2.31*	-	1.07*	1.85*	3.39*
24	12	-	-	-	-	-	-	0.32*	0.90*	1.33*	2.13	-	0.53*	1.23*	1.80*	2.82	0.69*	1.51*	2.20	3.52	
	16	-	-	-	-	-	-	-	-	1.07*	1.84*	-	-	0.96*	1.52*	2.51*	0.35*	1.20*	1.88*	3.20	
	24	-	-	-	-	-	-	-	-	-	1.32*	-	-	-	-	1.97*	-	-	1.32*	2.63*	

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*	7.13*	-	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*	6.91		

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		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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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.)	40 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	-	4.21	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	
	16	-	3.96	7.03	9.67	15.39	-	5.42	10.15	13.83	22.04	-	5.99	10.76	15.92	27.32	-	11.24	16.32	29.85	
	24	-	3.46	6.58	9.23	14.93	-	4.84	9.58	13.27	21.49	-	5.39	10.19	15.32	26.68	-	10.66	15.72	29.19	
9	12	-	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	
	16	-	3.68	6.78	9.42	15.13	-	5.10	9.83	13.51	21.73	-	5.64	10.39	15.52	26.83	-	10.86	15.89	29.25	
	24	-	3.06	6.21	8.86	14.53	-	4.37	9.11	12.81	21.03	-	4.88	9.67	14.75	26.02	-	10.13	15.14	28.40	
10	12	-	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	
	16	-	3.38	6.49	9.14	14.83	-	4.74	9.46	13.15	21.36	-	5.25	9.97	15.06	26.26	-	10.42	15.40	28.55	
	24	-	2.61	5.79	8.45	14.08	-	3.84	8.57	12.27	20.49	-	4.31	9.08	14.10	25.25	-	9.52	14.47	27.49	
11	12	-	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	
	16	-	3.04	6.17	8.82	14.48	-	4.34	9.05	12.74	20.95	-	4.81	9.50	14.53	25.61	-	9.93	14.85	27.73	
	24	-	2.11	5.32	7.98	13.57	-	3.26	7.96	11.67	19.87	-	3.69	8.42	13.38	24.37	-	8.85	13.72	26.46	
12	12	-	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	
	16	-	2.67	5.82	8.47	14.09	-	3.90	8.59	12.28	20.48	-	4.34	8.97	13.94	24.85	-	9.39	14.22	26.81	
	24	-	1.58	4.80	7.47	13.00	-	2.63	7.30	11.00	19.18	-	3.03	7.71	12.57	23.37	-	8.12	12.89	25.29	
13	12	-	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	
	16	-	2.27	5.43	8.08	13.66	-	3.42	8.08	11.77	19.94	-	3.83	8.39	13.28	24.01	-	8.81	13.53	25.78	
	24	-	1.02	4.25	6.91	12.38	-	1.95	6.58	10.27	18.41	-	2.32	6.93	11.68	22.27	-	7.33	11.98	24.00	
14	12	-	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	-	1.85	5.02	7.66	13.18	-	2.89	7.43	11.14	19.35	-	3.29	7.77	12.50	22.94	-	8.17	12.79	24.64	
	24	-	0.43	3.66	6.31	11.69	-	1.25	5.74	9.42	17.56	-	1.59	6.12	10.68	20.95	-	6.50	11.02	22.62	
16	12	-	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	
	16	-	0.95	4.10	6.71	12.09	-	1.79	6.03	9.55	17.51	-	2.15	6.43	10.79	20.50	-	6.81	11.16	22.14	
	24	-	-	2.41	4.99	10.16	-	-	3.99	7.44	15.24	-	0.11	4.41	8.56	18.02	-	4.77	8.97	19.61	
18	12	-	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	
	16	-	0.01	3.10	5.65	10.83	-	0.68	4.57	7.83	15.20	-	0.99	5.02	8.98	17.83	-	5.39	9.45	19.44	
	24	-	-	1.10*	3.58	8.45	-	-	2.27	5.42	12.56	-	-	2.70	6.41	14.94	-	3.02	6.88	16.45	
20	12	-	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	
	16	-	-	2.04	4.51	9.43	-	-	3.17	6.12	12.81	-	-	3.65	7.19	15.12	-	3.97	7.73	16.69	
	24	-	-	-	2.14*	6.65	-	-	0.71*	3.51	9.89	-	-	1.10*	4.36	11.91	-	1.36*	4.84	13.34	
22	12	-	-	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	
	16	-	-	0.97*	3.18	7.73	-	-	1.90*	4.52	10.50	-	-	2.37	5.50	12.49	-	2.63	6.04	14.02	
	24	-	-	-	0.70*	4.71*	-	-	-	1.81*	7.42	-	-	-	2.50*	9.11	-	-	2.94*	10.42	
24	12	-	-	1.37*	3.40	7.62	-	-	2.25*	4.65	10.13	-	-	2.78	5.67	12.02	-	3.03	6.29	13.65	
	16	-	-	0.05*	1.98*	5.88	-	-	0.80*	3.10*	8.36	-	-	1.19*	3.93	10.07	-	1.41*	4.46	11.55	
	24	-	-	-	-	2.83*	-	-	-	0.37*	5.23*	-	-	-	0.87*	6.61*	-	-	1.22*	7.81	

[illegible]

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.

Maximum factored axial compressive resistance per stud (kips)

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*	-	-	-	1.28*	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	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	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
	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
	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
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
	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
	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
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
	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
	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
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
	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
	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
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
	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
	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
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
	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
	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
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
	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
	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
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	-	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
	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
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	-	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
	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
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
	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
	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
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
	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
	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
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
	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
	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

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*	

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)														
		362S162 - (mils)					400S162 - (mils)					400S200 - (mils)				
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	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
	16	2.43	3.86	7.57	10.22	14.52	2.70	4.24	8.32	11.30	16.72	3.13	5.20	9.90	13.58	20.08
	24	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
9	12	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
	16	1.93	3.25	6.52	8.90	12.73	2.24	3.68	7.35	10.11	14.98	2.68	4.59	8.99	12.23	18.15
	24	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
10	12	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
	16	1.44	2.65	5.49	7.56	10.96	1.77	3.11	6.38	8.89	13.21	2.20	3.95	7.87	10.85	16.17
	24	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
11	12	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
	16	0.99	2.09	4.54	6.32	9.29	1.31	2.54	5.43	7.69	11.48	1.74	3.31	6.77	9.48	14.20
	24	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
12	12	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
	16	0.60*	1.57	3.68	5.20	7.76	0.89	2.01	4.54	6.56	9.84	1.29	2.70	5.74	8.16	12.32
	24	-	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
13	12	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
	16	0.25*	1.11*	2.94	4.22	6.41	0.52*	1.52	3.74	5.52	8.34	0.87	2.13	4.79	6.94	10.57
	24	-	0.17*	2.00*	3.24*	5.32	-	0.52*	2.72	4.41	7.10	-	1.04*	3.66	5.72	9.23
14	12	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
	16	-	0.72*	2.29*	3.37	5.23	0.19*	1.09*	3.03	4.57	7.00	0.50*	1.62	3.95	5.83	8.98
	24	-	-	1.40*	2.44*	4.19	-	0.09*	2.03*	3.48*	5.79	-	0.52*	2.83*	4.63	7.66
16	12	-	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
	16	-	0.11*	1.32*	2.13*	3.50	-	0.38*	1.89*	3.00	4.81	-	0.77*	2.57*	3.95	6.32
	24	-	-	1.30*	2.57*	-	-	0.96*	2.02*	3.70*	-	-	-	1.53*	2.85*	5.11
18	12	-	-	1.12*	1.76*	2.85	-	0.40*	1.60*	2.46*	3.90	0.01*	0.74*	2.15*	3.22	5.10
	16	-	-	-	1.32*	2.36*	-	-	1.11*	1.94*	3.32*	-	0.15*	1.60*	2.64*	4.47
	24	-	-	-	-	1.51*	-	-	-	2.32*	-	-	-	1.65*	3.36*	-
20	12	-	-	-	1.17*	2.03*	-	-	1.01*	1.69*	2.82*	-	0.26*	1.42*	2.27*	3.77
	16	-	-	-	-	1.57*	-	-	-	1.22*	2.29*	-	-	-	1.74*	3.18*
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	2.17*	-
22	12	-	-	-	-	1.43*	-	-	-	1.15*	2.05*	-	-	-	1.60*	2.80*
	16	-	-	-	-	-	-	-	-	-	1.56*	-	-	-	2.26*	-
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	12	-	-	-	-	-	-	-	-	-	1.48*	-	-	-	2.09*	-
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Wall Height (ft.)	O.C. (in.)	20 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48" (SHEATHED)														
		600S162 - (mils)					600S200 - (mils)					600S250 - (mils)				
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	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
	16	3.52	5.37	10.39	14.30	22.78	3.96	6.36	11.67	16.87	26.52	-	6.61	11.82	17.05	29.07
	24	3.08	4.93	9.92	13.82	22.25	3.54	5.91	11.21	16.37	26.01	-	6.17	11.39	16.59	28.56
9	12	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
	16	3.22	5.02	9.91	13.59	21.78	3.66	6.00	11.24	16.09	25.45	-	6.27	11.34	16.49	28.12
	24	2.68	4.47	9.32	13.00	21.12	3.14	5.43	10.65	15.47	24.79	-	5.72	10.79	15.90	27.46
10	12	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
	16	2.90	4.63	9.28	12.83	20.70	3.34	5.60	10.75	15.24	24.27	-	5.90	10.80	15.86	27.08
	24	2.25	3.97	8.56	12.10	19.88	2.71	4.91	10.03	14.48	23.46	-	5.23	10.13	15.13	26.27
11	12	2.94	4.62	9.03	12.45	20.02	3.38	5.91	10.59	14.80	23.49	-	5.91	10.63	15.62	26.47
	16	2.55	4.22	8.60	12.01	19.53	3.00	5.17	10.15	14.33	23.00	-	5.50	10.22	15.17	25.97
	24	1.79	3.44	7.76	11.15	18.56	2.26	4.36	9.28	13.43	22.03	-	4.69	9.41	14.29	24.98
12	12	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
	16	2.18	3.78	7.89	11.15	18.29	2.63	4.72	9.49	13.38	21.65	-	5.06	9.59	14.43	24.81
	24	1.32	2.90	6.94	10.17	17.17	1.79	3.78	8.49	12.34	20.52	-	4.13	8.66	13.39	23.64
13	12	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
	16	1.80	3.34	7.17	10.27	17.01	2.26	4.23	8.79	12.38	20.25	-	4.61	8.93	13.58	23.46
	24	0.86	2.36	6.11	9.17	15.74	1.32	3.18	7.66	11.21	18.96	-	3.55	7.87	12.38	22.10
14	12	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
	16	1.43	2.89	6.45	9.37	15.70	1.88	3.73	7.97	11.37	18.80	-	4.13	8.25	12.61	21.88
	24	0.41	1.82	5.31	8.17	14.29	0.85	2.59	6.74	10.09	17.37	-	2.96	7.07	11.28	20.36
16	12	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
	16	0.72	2.02	5.05	7.61	13.09	1.14	2.75	6.37	9.37	15.89	-	3.17	6.85	10.66	18.66
	24	-	0.82	3.80	6.27	11.49	-	1.46	5.00	7.92	14.22	-	1.81	5.47	9.11	16.88
18	12	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
	16	0.09*	1.23	3.80	5.99	10.62	0.46	1.84	4.91	7.50	13.10	-	2.23	5.59	8.82	15.54
	24	-	-	2.50*	4.58	8.93	-	0.47*	3.47	5.96	11.31	-	0.74	4.06	7.12	13.61
20	12	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
	16	-	0.54*	2.73	4.58	8.43	-	1.05	3.64	5.84	10.57	-	1.38	4.34	7.02	12.68
	24	-	-	1.44*	3.17*	6.74	-	-	2.21*	4.30	8.76	-	-	2.75*	5.28	10.70
22	12	-	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
	16	-	-	1.85*	3.38	6.54	-	0.38*	2.58*	4.43	8.36	-	0.62*	3.20	5.39	10.16
	24	-	-	0.61*	2.03*	4.92*	-	-	1.21*	2.93*	6.61	-	-	1.63*	3.69*	8.23
24	12	-	0.25*	1.84*	3.18	5.93	-	0.63*	2.49*	4.10	7.50	-	0.89*	3.06	4.96	9.08
	16	-	-	1.16*	2.44*	5.04	-	-	1.74*	3.28*	6.54	-	-	2.20*	4.03	8.02
	24	-	-	-	1.15*	3.50*	-	-	-	1.85*	4.88*	-	-	0.71*	2.42*	6.18*

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.)	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.

Wall Height (ft.)	O.C. (in.)	30 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	3.41	5.26	10.27	14.18	22.64	3.85	6.25	11.55	16.75	26.39	-	6.50	11.71	16.94	28.95	-	12.00	17.28	31.28		
	16	3.08	4.93	9.92	13.82	22.25	3.54	5.91	11.21	16.37	26.01	-	6.17	11.39	16.59	28.56	-	11.68	16.94	30.89		
	24	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		
9	12	3.09	4.88	9.77	13.44	21.62	3.53	5.86	11.09	15.94	25.28	-	6.13	11.20	16.34	27.95	-	11.51	16.65	30.33		
	16	2.68	4.47	9.32	13.00	21.12	3.14	5.43	10.65	15.47	24.79	-	5.72	10.79	15.90	27.46	-	11.10	16.22	29.85		
	24	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		
10	12	2.73	4.46	9.10	12.64	20.49	3.18	5.43	10.57	15.05	24.06	-	5.73	10.63	15.68	26.87	-	10.96	15.96	29.16		
	16	2.25	3.97	8.56	12.10	19.88	2.71	4.91	10.03	14.48	23.46	-	5.23	10.13	15.13	26.27	-	10.46	15.43	28.54		
	24	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		
11	12	2.35	4.02	8.38	11.79	19.28	2.81	4.97	9.93	14.11	22.75	-	5.29	10.01	14.95	25.72	-	10.37	15.20	27.78		
	16	1.79	3.44	7.76	11.15	18.56	2.26	4.36	9.28	13.43	22.03	-	4.69	9.41	14.29	24.98	-	9.77	14.57	27.03		
	24	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		
12	12	1.96	3.56	7.65	10.90	18.01	2.42	4.48	9.24	13.11	21.37	-	4.83	9.35	14.16	24.51	-	9.73	14.39	26.31		
	16	1.32	2.90	6.94	10.17	17.17	1.79	3.78	8.49	12.34	20.52	-	4.13	8.66	13.39	23.64	-	9.04	13.65	25.44		
	24	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		
13	12	1.56	3.09	6.90	9.98	16.69	2.02	3.96	8.50	12.09	19.92	-	4.34	8.66	13.27	23.11	-	9.06	13.52	24.78		
	16	0.86	2.36	6.11	9.17	15.74	1.32	3.18	7.66	11.21	18.96	-	3.55	7.87	12.38	22.10	-	8.27	12.68	23.77		
	24	-	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		
14	12	1.17	2.61	6.15	9.06	15.34	1.62	3.44	7.65	11.04	18.43	-	3.83	7.95	12.27	21.49	-	8.36	12.62	23.19		
	16	0.41	1.82	5.31	8.17	14.29	0.85	2.59	6.74	10.09	17.37	-	2.96	7.07	11.28	20.36	-	7.48	11.67	22.05		
	24	-	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	12	0.42	1.71	4.73	7.26	12.67	0.84	2.41	6.01	9.00	15.46	-	2.82	6.49	10.26	18.20	-	6.93	10.84	19.97		
	16	-	0.82	3.80	6.27	11.49	-	1.46	5.00	7.92	14.22	-	1.81	5.47	9.11	16.88	-	5.89	9.69	18.61		
	24	-	-	3.13*	4.47	9.35	-	-	3.18	5.97	11.98	-	-	3.62	7.02	14.47	-	4.00	7.59	16.11		
18	12	-	0.89	3.46	5.62	10.18	0.14*	1.48	4.53	7.10	12.63	-	1.84	5.19	8.37	15.03	-	5.52	9.05	16.84		
	16	-	-	2.50*	4.58	8.93	-	0.47*	3.47	5.96	11.31	-	0.74	4.06	7.12	13.61	-	4.39	7.77	15.33		
	24	-	-	0.81*	2.75*	6.73	-	-	1.62*	3.95*	8.97	-	-	2.07*	4.89	11.07	-	2.35*	5.46	12.63		
20	12	-	0.20*	2.38*	4.20	7.98	-	0.67*	3.26	5.43	10.09	-	0.96	3.92	6.56	12.15	-	4.22	7.33	14.01		
	16	-	-	1.44*	3.17*	6.74	-	-	2.21*	4.30	8.76	-	-	2.75*	5.28	10.70	-	3.03	5.96	12.42		
	24	-	-	-	1.37*	4.58*	-	-	0.39*	2.31*	6.44*	-	-	0.72*	3.04*	8.16	-	0.94*	3.57*	9.63		
22	12	-	-	1.52*	3.02*	6.11	-	0.01*	2.22*	4.03	7.90	-	0.20*	2.78*	4.94	9.65	-	3.07	5.65	11.27		
	16	-	-	0.61*	2.03*	4.92*	-	-	1.21*	2.93*	6.61	-	-	1.63*	3.69*	8.23	-	1.87*	4.29*	9.69		
	24	-	-	-	2.86*	-	-	-	-	1.03*	4.39*	-	-	-	1.53*	5.77*	-	1.95*	6.96*	-		
24	12	-	-	0.84*	2.09*	4.63*	-	-	1.39*	2.90*	6.10	-	-	1.80*	3.60*	7.53	-	2.12*	4.25*	8.86		
	16	-	-	-	1.15*	3.50*	-	-	-	1.85*	4.88*	-	-	0.71*	2.42*	6.18*	-	0.93*	2.93*	7.35		
	24	-	-	-	-	-	-	-	-	-	2.78*	-	-	-	-	3.86*	-	-	-	4.77*		

Wall Height (ft.)	O.C. (in.)	30 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	-	5.31	9.72	14.15	24.80	-	6.76	12.23	17.83	28.71	-	6.97	12.48	17.94	31.07	-	12.73	18.32	33.25		
	16	-	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		
	24	-	4.63	9.05	13.44	24.02	-	6.01	11.48	17.04	27.91	-	6.24	11.76	17.19	30.26	-	12.02	17.59	32.42		
9	12	-	5.12	9.53	13.94	24.20	-	6.49	11.92	17.42	28.00	-	6.71	12.13	17.54	30.42	-	12.40	17.91	32.66		
	16	-	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		
	24	-	4.25	8.67	13.04	23.21	-	5.55	10.97	16.41	26.99	-	5.79	11.23	16.60	29.39	-	11.50	16.98	31.60		
10	12	-	4.91	9.31	13.71	23.48	-	6.19	11.57	16.96	27.22	-	6.43	11.75	17.11	29.70	-	12.03	17.45	32.00		
	16	-	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		
	24	-	3.84	8.24	12.57	22.26	-	5.03	10.41	15.72	25.97	-	5.30	10.64	15.94	28.43	-	10.93	16.31	30.69		
11	12	-	4.66	9.06	13.44	22.69	-	5.86	11.19	16.33	26.36	-	6.12	11.33	16.63	28.92	-	11.62	16.95	31.27		
	16	-	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		
	24	-	3.37	7.75	12.05	21.22	-	4.48	9.78	14.84	24.85	-	4.77	9.99	15.21	27.38	-	10.30	15.57	29.68		
12	12	-	4.40	8.77	13.13	21.84	-	5.50	10.77	15.64	25.44	-	5.78	10.87	16.10	28.08	-	11.18	16.40	30.47		
	16	-	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		
	24	-	2.87	7.22	11.46	20.11	-	3.89	9.11	13.90	23.65	-	4.20	9.30	14.43	26.25	-	9.62	14.77	28.57		
13	12	-	4.11	8.46	12.50	20.94	-	5.12	10.32	14.91	24.45	-	5.42	10.39	15.54	27.19	-	10.71	15.81	29.44		
	16	-	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		
	24	-	2.34	6.64	10.58	18.93	-	3.27	8.39	12.90	22.38	-	3.59	8.57	13.58	25.04	-	8.90	13.91	27.23		
14	12	-	3.76	8.12	11.81	19.99	-	4.72	9.78	14.14	23.41	-	5.04	9.87	14.93	26.26	-	10.21	15.19	28.33		
	16	-	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		
	24	-	1.76	6.01	9.64	17.71	-	2.64	7.59	11.87	21.05	-	2.97	7.80	12.69	23.78	-	8.15	13.01	25.79		
16	12	-	2.96	7.01	10.35	17.98	-	3.87	8.62	12.52	21.20	-	4.22	8.76	13.62	24.29	-	9.12	13.83	25.96		
	16	-	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		
	24	-	0.57	4.47	7.74	15.15	-	1.35	5.94	9.76	18.26	-	1.68	6.21	10.80	21.13	-	6.57	11.10	22.76		
18	12	-	2.15	5.79	8.86	15.87	-	2.98	7.30	10.85	18.87	-	3.35	7.58	12.03	21.79	-	7.97	12.36	23.44		
	16	-	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		
	24	-	-	2.93	5.88	12.58	-	0.11	4.24	7.67	15.41	-	0.40	4.60	8.72	18.04	-	4.97	9.12	19.62		
20	12	-	1.37	4.61	7.40	13.76	-	2.11	5.96	9.20	16.51	-	2.48	6.38	10.40	19.18	-	6.78	10.89	20.87		
	16	-	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		
	24	-	-	1.56*	4.17	10.12	-	-	2.66	5.73	12.66	-	-	3.08	6.70	14.97	-	3.41	7.19	16.51		
22	12	-	0.65	3.54	6.03	11.72	-	1.29	4.71	7.63	14.21	-	1.63	5.26	8.83	16.61	-	5.61	9.43	18.32		
	16	-	-	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	-	-	0.38*	2.66*	7.87	-	-	1.29*	3.98	10.10	-	-	1.70*	4.86	12.10	-	1.97*	5.37	13.57		
24	12	-	0.01*	2.58	4.79	9.81	-	0.56	3.59	6.19	12.05	-	0.84	4.22	7.38	14.18	-	4.49	8.00	15.91		
	16	-	-	1.43*	3.55	8.40	-	-	2.34*	4.85	10.53	-	-	2.86	5.88	12.50	-	3.12	6.46	14.11		
	24	-	-	-	1.37*	5.89*	-	-	0.14*	2.47*	7.81	-	-	0.47*	3.23*	9.50	-	0.68*	3.70*	10.89		

Wall Height (ft.)	O.C. (in.)	40 psf FACTORED LATERAL LOAD (UNSHEATHED) - 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	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
	16	1.14	2.52	6.10	8.68	12.88	1.48	2.98	6.94	9.87	15.12	1.93	3.87	8.46	12.07	18.46	4.26	8.65	13.08	21.70
	24	0.01	1.32	4.80	7.29	11.37	0.38	1.82	5.67	8.55	13.62	0.83	2.64	7.13	10.67	16.94	3.04	7.40	11.69	20.20
9	12	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
	16	0.48	1.73	4.86	7.14	10.83	0.83	2.20	5.74	8.42	13.08	1.26	3.02	7.25	10.44	16.20	3.43	7.51	11.64	19.54
	24	-	0.41*	3.44	5.62	9.16	-	0.89	4.31	6.90	11.36	0.01	1.61	5.71	8.82	14.42	2.01	6.04	9.98	17.73
10	12	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
	16	-	1.00	3.73	5.68	8.90	0.21	1.46	4.59	7.00	11.07	0.62	2.17	5.94	8.82	13.95	2.60	6.35	10.04	17.06
	24	-	-	2.25*	4.10	7.14	-	0.04*	3.07	5.36	9.21	-	0.64	4.27	7.05	11.99	1.01	4.71	8.19	15.04
11	12	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
	16	-	0.35*	2.73	4.39	7.16	-	0.77	3.54	5.67	9.19	0.02*	1.39	4.71	7.28	11.80	1.79	5.22	8.50	14.66
	24	-	-	1.26*	2.81*	5.38	-	-	1.97*	3.97	7.26	-	-	2.98*	5.43	9.73	0.08*	3.46	6.51	12.50
12	12	-	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
	16	-	-	1.89*	3.29*	5.64	-	0.17*	2.62*	4.48	7.50	-	0.69*	3.62	5.89	9.81	1.04	4.20	7.06	12.41
	24	-	-	0.45*	1.76*	3.91*	-	-	1.05*	2.77*	5.55	-	-	1.88*	4.01*	7.72	-	2.35*	5.00	10.18
13	12	-	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
	16	-	-	1.19*	2.38*	4.36*	-	-	1.82*	3.44*	6.00	-	0.08*	2.67*	4.65	8.04	0.36*	3.27	5.77	10.36
	24	-	-	-	-	2.69*	-	-	0.28*	1.76*	4.10*	-	-	0.96*	2.80*	5.97*	-	1.37*	3.67*	8.14
14	12	-	-	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
	16	-	-	-	1.63*	3.28*	-	-	1.16*	2.54*	4.72	-	-	1.86*	3.59*	6.50	-	2.39*	4.52	8.55
	24	-	-	-	-	1.71*	-	-	-	-	2.88*	-	-	-	1.79*	4.49*	-	0.51*	2.47*	6.38*
16	12	-	-	-	1.30*	2.57*	-	-	0.96*	2.02*	3.70*	-	-	1.53*	2.85*	5.11	-	1.99*	3.62*	6.76
	16	-	-	-	-	1.75*	-	-	-	1.17*	2.74*	-	-	-	1.90*	4.05*	-	0.96*	2.53*	5.61*
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.24*	-	-	-	3.62*
18	12	-	-	-	-	1.51*	-	-	-	-	2.32*	-	-	-	1.65*	3.36*	-	0.93*	2.17*	4.61*
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.41*	-	-	-	3.56*
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.17*	-	-	-	3.13*
	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"															(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	3.08	4.93	9.92	13.82	22.25	3.54	5.91	11.21	16.37	26.01	-	6.17	11.39	16.59	28.56	-	11.68	16.94	30.89		
	16	2.65	4.50	9.46	13.35	21.74	3.12	5.46	10.75	15.88	25.49	-	5.73	10.95	16.13	28.06	-	11.25	16.49	30.37		
	24	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		
9	12	2.68	4.47	9.32	13.00	21.12	3.14	5.43	10.65	15.47	24.79	-	5.72	10.79	15.90	27.46	-	11.10	16.22	29.85		
	16	2.15	3.93	8.74	12.41	20.47	2.63	4.88	10.07	14.86	24.14	-	5.17	10.24	15.32	26.82	-	10.57	15.66	29.19		
	24	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		
10	12	2.25	3.97	8.56	12.10	19.88	2.71	4.91	10.03	14.48	23.46	-	5.23	10.13	15.13	26.27	-	10.46	15.43	28.54		
	16	1.61	3.32	7.87	11.39	19.09	2.10	4.24	9.32	13.74	22.67	-	4.56	9.46	14.41	25.47	-	9.81	14.74	27.72		
	24	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		
11	12	1.79	3.44	7.76	11.15	18.56	2.26	4.36	9.28	13.43	22.03	-	4.69	9.41	14.29	24.98	-	9.77	14.57	27.03		
	16	1.06	2.70	6.96	10.33	17.62	1.54	3.58	8.45	12.56	21.09	-	3.92	8.63	13.43	24.02	-	9.00	13.75	26.06		
	24	-	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		
12	12	1.32	2.90	6.94	10.17	17.17	1.79	3.78	8.49	12.34	20.52	-	4.13	8.66	13.39	23.64	-	9.04	13.65	25.44		
	16	0.51	2.06	6.04	9.23	16.09	0.99	2.89	7.54	11.34	19.43	-	3.24	7.76	12.39	22.50	-	8.14	12.69	24.30		
	24	-	0.50	4.35	7.46	14.02	-	1.23	5.75	9.46	17.35	-	1.56	6.05	10.48	20.33	-	6.43	10.85	22.10		
13	12	0.86	2.36	6.11	9.17	15.74	1.32	3.18	7.66	11.21	18.96	-	3.55	7.87	12.38	22.10	-	8.27	12.68	23.77		
	16	-	1.44	5.13	8.13	14.53	0.44	2.20	6.60	10.11	17.73	-	2.55	6.86	11.25	20.80	-	7.26	11.58	22.47		
	24	-	-	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		
14	12	0.41	1.82	5.31	8.17	14.29	0.85	2.59	6.74	10.09	17.37	-	2.96	7.07	11.28	20.36	-	7.48	11.67	22.05		
	16	-	0.84	4.25	7.05	12.98	-	1.53	5.60	8.89	16.01	-	1.87	5.96	10.03	18.92	-	6.36	10.45	20.60		
	24	-	-	2.34	5.01	10.58	-	-	3.52	6.69	13.52	-	-	3.91	7.72	16.26	-	4.29	8.19	17.89		
16	12	-	0.82	3.80	6.27	11.49	-	1.46	5.00	7.92	14.22	-	1.81	5.47	9.11	16.88	-	5.89	9.69	18.61		
	16	-	-	2.66	5.05	10.03	-	0.29*	3.76	6.59	12.70	-	0.57	4.22	7.69	15.24	-	4.61	8.27	16.92		
	24	-	-	0.65*	2.87*	7.44	-	-	1.56*	4.22	9.97	-	-	1.96*	5.14	12.29	-	2.29*	5.68	13.84		
18	12	-	-	2.50*	4.58	8.93	-	0.47*	3.47	5.96	11.31	-	0.74	4.06	7.12	13.61	-	4.39	7.77	15.33		
	16	-	-	1.34*	3.33*	7.43	-	-	2.21*	4.59	9.72	-	-	2.70*	5.59	11.87	-	3.00	6.20	13.49		
	24	-	-	-	1.14*	4.80*	-	-	-	2.19*	6.92*	-	-	0.31*	2.93*	8.82	-	0.55*	3.42*	10.23		
20	12	-	-	1.44*	3.17*	6.74	-	-	2.21*	4.30	8.76	-	-	2.75*	5.28	10.70	-	3.03	5.96	12.42		
	16	-	-	0.31*	1.94*	5.26*	-	-	0.97*	2.94*	7.17	-	-	1.36*	3.75*	8.96	-	1.60*	4.33*	10.51		
	24	-	-	-	-	2.70*	-	-	-	0.59*	4.43*	-	-	-	1.10*	5.94*	-	-	1.49*	7.19*		
22	12	-	-	0.61*	2.03*	4.92*	-	-	1.21*	2.93*	6.61	-	-	1.63*	3.69*	8.23	-	1.87*	4.29*	9.69		
	16	-	-	-	0.85*	3.51*	-	-	-	1.63*	5.09*	-	-	0.26*	2.21*	6.54*	-	0.45*	2.69*	7.82		
	24	-	-	-	-	-	-	-	-	-	2.47*	-	-	-	-	3.65*	-	-	-	4.61*		
24	12	-	-	-	1.15*	3.50*	-	-	-	1.85*	4.88*	-	-	0.71*	2.42*	6.18*	-	0.93*	2.93*	7.35		
	16	-	-	-	-	2.17*	-	-	-	-	3.44*	-	-	-	1.02*	4.59*	-	-	1.38*	5.58*		
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.55		

Wall Height (ft.)	O.C. (in.)	40 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	-	5.08	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					
	16	-	4.78	9.19	13.60	24.20	-	6.17	11.65	17.22	28.09	-	6.40	11.92	17.35	30.44	-	12.18	17.75	32.60					
	24	-	4.18	8.60	12.97	23.51	-	5.51	10.99	16.52	27.38	-	5.75	11.28	16.69	29.73	-	11.55	17.10	31.87					
9	12	-	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					
	16	-	4.45	8.86	13.24	23.43	-	5.75	11.18	16.64	27.21	-	6.00	11.43	16.81	29.62	-	11.70	17.19	31.84					
	24	-	3.68	8.10	12.44	22.56	-	4.92	10.35	15.75	26.32	-	5.19	10.63	15.97	28.71	-	10.91	16.36	30.91					
10	12	-	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					
	16	-	4.07	8.47	12.82	22.53	-	5.29	10.66	15.99	26.24	-	5.55	10.88	16.20	28.71	-	11.17	16.56	30.98					
	24	-	3.14	7.53	11.83	21.46	-	4.28	9.64	14.90	25.14	-	4.56	9.90	15.16	27.59	-	10.20	15.55	29.83					
11	12	-	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					
	16	-	3.66	8.04	12.35	21.55	-	4.78	10.09	15.17	25.18	-	5.07	10.29	15.52	27.72	-	10.59	15.87	30.03					
	24	-	2.54	6.90	11.14	20.26	-	3.58	8.87	13.87	23.86	-	3.89	9.12	14.28	26.36	-	9.43	14.66	28.63					
12	12	-	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					
	16	-	3.20	7.56	11.83	20.49	-	4.24	9.47	14.28	24.05	-	4.54	9.64	14.79	26.65	-	9.97	15.13	28.99					
	24	-	1.89	6.22	10.38	18.98	-	2.85	8.04	12.76	22.49	-	3.17	8.28	13.33	25.05	-	8.61	13.70	27.33					
13	12	-	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					
	16	-	2.72	7.03	11.00	19.37	-	3.67	8.81	13.34	22.83	-	3.99	8.96	14.01	25.52	-	9.30	14.33	27.72					
	24	-	1.22	5.48	9.35	17.64	-	2.10	7.16	11.61	21.04	-	2.42	7.39	12.32	23.65	-	7.74	12.68	25.79					
14	12	-	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	-	2.19	6.47	10.11	18.20	-	3.09	8.06	12.36	21.56	-	3.41	8.25	13.18	24.32	-	8.60	13.49	26.35					
	24	-	0.51	4.69	8.27	16.25	-	1.33	6.21	10.43	19.53	-	1.66	6.48	11.26	22.19	-	6.83	11.61	24.16					
16	12	-	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					
	16	-	1.08	5.01	8.30	15.76	-	1.89	6.51	10.35	18.89	-	2.22	6.75	11.40	21.81	-	7.12	11.69	23.45					
	24	-	-	2.92	6.13	13.39	-	-	4.29	8.05	16.41	-	0.11	4.62	9.04	19.15	-	4.98	9.38	20.74					
18	12	-	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					
	16	-	0.01	3.53	6.51	13.28	-	0.71	4.88	8.35	16.15	-	1.02	5.23	9.42	18.84	-	5.60	9.81	20.43					
	24	-	-	1.24*	4.10	10.59	-	-	2.42	5.76	13.31	-	-	2.81	6.71	15.75	-	3.14	7.13	17.26					
20	12	-	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					
	16	-	-	2.19	4.84	10.88	-	-	3.34	6.45	13.46	-	-	3.76	7.47	15.85	-	4.12	7.97	17.43					
	24	-	-	-	2.28*	7.99	-	-	0.75*	3.69	10.37	-	-	1.14*	4.53	12.47	-	1.41*	4.99	13.91					
22	12	-	-	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					
	16	-	-	1.03*	3.35	8.66	-	-	1.99*	4.73	10.95	-	-	2.43	5.68	13.03	-	2.72	6.21	14.56					
	24	-	-	-	0.73*	5.67*	-	-	-	1.89*	7.72	-	-	-	2.58*	9.48	-	-	3.02*	10.80					
24	12	-	-	1.43*	3.55	8.40	-	-	2.34*	4.85	10.53	-	-	2.86	5.88	12.50	-	3.12	6.46	14.11					
	16	-	-	0.05*	2.06*	6.69	-	-	0.84*	3.23*	8.68	-	-	1.23*	4.07	10.46	-	1.46*	4.58	11.92					
	24	-	-	-	-	3.68*	-	-	-	0.39*	5.42*	-	-	-	0.89*	6.85*	-	-	1.25*	8.04					

Wall Height (ft.)	O.C. (in.)	50 psf FACTORED LATERAL LOAD - MAXIMUM BRIDGING SPACING = 48"																(SHEATHED)		
		362S162 - (mils)								400S162 - (mils)								400S200 - (mils)		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	43	54	68	97
8	12	1.29	2.68	6.28	8.86	13.08	1.62	3.13	7.10	10.04	15.31	2.08	4.03	8.64	12.25	18.66	4.41	8.81	13.26	21.89
	16	0.56	1.91	5.43	7.97	12.11	0.91	2.39	6.29	9.20	14.36	1.37	3.24	7.79	11.36	17.69	3.64	8.02	12.38	20.94
	24	-	0.50	3.89	6.33	10.31	-	1.01	4.78	7.61	12.56	0.06	1.77	6.19	9.67	15.85	2.17	6.51	10.70	19.12
9	12	0.65	1.90	5.06	7.35	11.05	0.99	2.38	5.93	8.62	13.30	1.43	3.20	7.46	10.65	16.44	3.62	7.71	11.86	19.77
	16	-	1.05	4.13	6.36	9.97	0.19	1.53	5.01	7.64	12.20	0.62	2.29	6.46	9.61	15.30	2.70	6.76	10.80	18.62
	24	-	-	2.48*	4.58	8.00	-	-	3.33	5.86	10.16	-	0.63	4.64	7.69	13.18	1.01	5.01	8.82	16.45
10	12	0.07*	1.18	3.93	5.90	9.14	0.39	1.65	4.80	7.22	11.32	0.80	2.38	6.16	9.06	14.21	2.81	6.57	10.29	17.33
	16	-	0.28*	2.96	4.86	7.99	-	0.73	3.81	6.15	10.11	-	1.38	5.08	7.91	12.94	1.78	5.51	9.09	16.03
	24	-	-	1.27*	3.04*	5.95	-	-	2.04*	4.25	7.93	-	-	3.14	5.84	10.64	-	3.58	6.91	13.64
11	12	-	0.55*	2.93	4.61	7.40	-	0.98	3.76	5.90	9.46	0.22*	1.61	4.95	7.54	12.07	2.02	5.45	8.77	14.95
	16	-	-	1.96*	3.57*	6.24	-	0.01*	2.73	4.79	8.19	-	0.56*	3.82	6.33	10.73	0.91	4.31	7.47	13.54
	24	-	-	0.29*	1.77*	4.20*	-	-	0.93*	2.84*	5.95	-	-	1.83*	4.19*	8.33	-	2.27*	5.16	11.02
12	12	-	-	2.09*	3.51	5.88	-	0.38*	2.83	4.71	7.76	-	0.92*	3.86	6.15	10.10	1.28	4.45	7.35	12.71
	16	-	-	1.14*	2.49*	4.74	-	-	1.80*	3.59*	6.48	-	-	2.71*	4.91	8.73	0.12*	3.24	5.99	11.26
	24	-	-	-	0.75*	2.76*	-	-	0.01	1.64*	4.25*	-	-	0.73*	2.77*	6.32	-	1.12*	3.62*	8.69
13	12	-	-	1.39*	2.58*	4.59	-	-	2.04*	3.67*	6.27	-	0.31*	2.91*	4.91	8.33	0.61*	3.53	6.06	10.67
	16	-	-	-	1.61*	3.49*	-	-	1.02*	2.56*	5.01	-	-	1.78*	3.69*	6.97	-	2.28*	4.68	9.21
	24	-	-	-	-	1.60*	-	-	1.37*	-	2.84*	-	-	-	1.58*	4.60*	-	0.13*	2.29*	6.66*
14	12	-	-	0.82*	1.82*	3.50*	-	-	-	2.77*	4.98	-	-	2.09*	3.84*	6.78	0.02*	2.65*	4.81	8.85
	16	-	-	-	-	2.46*	-	-	-	1.70*	3.76*	-	-	0.99*	2.65*	5.45*	-	1.41*	3.45*	7.42
	24	-	-	-	-	-	-	-	-	-	1.68*	-	-	-	-	3.17*	-	-	1.13*	4.94*
16	12	-	-	-	-	1.95*	-	-	-	1.37*	2.97*	-	-	0.85*	2.13*	4.31*	-	1.21*	2.79*	5.88
	16	-	-	-	-	-	-	-	-	-	1.88*	-	-	-	-	3.10*	-	-	1.56*	4.57*
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.32*
18	12	-	-	-	-	-	-	-	-	-	1.65*	-	-	-	-	2.64*	-	-	1.42*	3.81*

Wall Height (ft.)	O.C. (in.)	50 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	2.76	4.60	9.57	13.47	21.86	3.22	5.57	10.86	16.01	25.62	-	5.84	11.06	16.24	28.18	-	11.36	16.60	30.50
	16	2.23	4.06	9.00	12.88	21.22	2.71	5.02	10.30	15.40	24.98	-	5.30	10.52	15.67	27.55	-	10.83	16.05	29.86
	24	1.19	3.01	7.87	11.74	19.95	1.71	3.93	9.19	14.20	23.72	-	4.23	9.46	14.54	26.31	-	9.78	14.94	28.59
9	12	2.28	4.06	8.89	12.56	20.63	2.75	5.01	10.22	15.01	24.30	-	5.31	10.38	15.46	26.98	-	10.70	15.80	29.36
	16	1.63	3.40	8.17	11.83	19.83	2.12	4.33	9.51	14.25	23.50	-	4.63	9.70	14.74	26.18	-	10.04	15.10	28.54
	24	0.38	2.12	6.78	10.42	18.25	0.90	2.99	8.12	12.77	21.93	-	3.32	8.39	13.32	24.61	-	8.73	13.72	26.92
10	12	1.77	3.48	8.04	11.57	19.29	2.25	4.41	9.50	13.93	22.86	-	4.73	9.63	14.59	25.97	-	9.97	14.91	27.93
	16	1.00	2.70	7.19	10.70	18.31	1.50	3.59	8.64	13.01	21.89	-	3.92	8.81	13.71	24.68	-	9.17	14.06	26.92
	24	-	1.20	5.57	9.03	16.42	0.07	2.02	6.97	11.25	19.99	-	2.35	7.24	11.99	22.76	-	7.61	12.39	24.95
11	12	1.24	2.88	7.16	10.53	17.85	1.72	3.77	8.66	12.78	21.32	-	4.11	8.82	13.65	24.26	-	9.19	13.95	26.30
	16	0.37	1.98	6.18	9.52	16.71	0.86	2.82	7.65	11.71	20.16	-	3.16	7.87	12.59	23.08	-	8.24	12.94	25.10
	24	-	0.29	4.35	7.62	14.53	-	1.03	5.73	9.69	17.95	-	1.36	6.04	10.58	20.81	-	6.42	10.98	22.78
12	12	0.71	2.27	6.26	9.46	16.36	1.18	3.11	7.77	11.59	19.70	-	3.46	7.98	12.63	22.78	-	8.36	12.93	24.58
	16	-	1.26	5.17	8.33	15.05	0.22	2.04	6.62	10.38	18.37	-	2.38	6.89	11.42	21.40	-	7.28	11.75	23.19
	24	-	-	3.17	6.22	12.61	-	0.06	4.49	8.13	15.87	-	0.37	4.83	9.12	18.78	-	5.21	9.53	20.53
13	12	0.19	1.66	5.37	8.38	14.83	0.65	2.44	6.86	10.38	18.03	-	2.80	7.11	11.53	21.12	-	7.51	11.85	22.79
	16	-	0.57	4.19	7.14	13.39	-	1.27	5.59	9.05	16.55	-	1.61	5.89	10.16	19.56	-	6.29	10.53	21.21
	24	-	-	2.06	4.87	10.72	-	-	3.27	6.61	13.80	-	-	3.64	7.62	16.64	-	4.01	8.05	18.25
14	12	-	1.08	4.51	7.32	13.30	0.13	1.79	5.88	9.18	16.34	-	2.14	6.23	10.33	19.28	-	6.64	10.75	20.96
	16	-	-	3.27	6.00	11.75	-	0.54	4.53	7.76	14.73	-	0.85	4.91	8.85	17.56	-	5.30	9.30	19.22
	24	-	-	1.03*	3.61	8.92	-	-	2.10*	5.17	11.79	-	-	2.50	6.13	14.41	-	2.85	6.60	15.99
16	12	-	0.01*	2.94	5.34	10.38	-	0.57	4.06	6.91	13.07	-	0.87	4.52	8.03	15.64	-	4.92	8.61	17.33
	16	-	-	1.62*	3.92	8.69	-	-	2.62*	5.37	11.29	-	-	3.05	6.37	13.72	-	3.41	6.93	15.33
	24	-	-	-	1.41*	5.69*	-	-	0.08*	2.63*	8.12	-	-	0.44*	3.41*	10.29	-	0.71*	3.91	11.74
18	12	-	-	1.62*	3.63*	7.79	-	-	2.51*	4.92	10.10	-	-	3.03	5.96	12.29	-	3.33	6.58	13.94
	16	-	-	0.30*	2.19*	6.06	-	-	1.06*	3.34*	8.26	-	-	1.46*	4.21*	10.29	-	1.73*	4.76	11.80
	24	-	-	-	-	3.07*	-	-	-	0.60*	5.06*	-	-	-	1.16*	6.79*	-	-	1.57*	8.05
20	12	-	-	0.58*	2.23*	5.61*	-	-	1.26*	3.26*	7.55	-	-	1.70*	4.11*	9.38	-	1.95*	4.72	10.97
	16	-	-	-	0.83*	3.93*	-	-	-	1.72*	5.74*	-	-	0.11*	2.36*	7.39*	-	0.31*	2.85*	8.78
	24	-	-	-	-	-	-	-	-	-	2.62*	-	-	-	-	3.96*	-	-	-	5.00*
22	12	-	-	-	1.13*	3.84*	-	-	0.30*	1.94*	5.45*	-	-	0.59*	2.57*	6.95*	-	0.79*	3.07*	8.27
	16	-	-	-	-	2.24*	-	-	-	-	3.72*	-	-	-	0.89*	5.03*	-	-	1.24*	6.14*
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50*
24	12	-	-	-	-	2.48*	-	-	-	-	3.79*	-	-	-	1.35*	4.97*	-	-	1.75*	6.01*
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.17*	-	-	-	4.00*
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Wall Height (ft.)	O.C. (in.)	50 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	-	4.86	9.27	13.68	24.28	-	6.26	11.73	17.31	28.18	-	6.48	12.00	17.44	30.53	-	12.26	17.83	32.70	
	16	-	4.48	8.90	13.28	23.85	-	5.84	11.32	16.87	27.74	-	6.08	11.60	17.02	30.08	-	11.87	17.42	32.24	
	24	-	3.73	8.15	12.50	22.99	-	5.02	10.50	16.00	26.85	-	5.27	10.81	16.20	29.19	-	11.08	16.61	31.32	
9	12	-	4.54	8.95	13.34	23.54	-	5.86	11.29	16.75	27.32	-	6.10	11.53	16.91	29.73	-	11.80	17.29	31.95	
	16	-	4.06	8.48	12.84	22.99	-	5.34	10.77	16.19	26.76	-	5.59	11.03	16.39	29.16	-	11.31	16.77	31.37	
	24	-	3.12	7.53	11.84	21.90	-	4.31	9.73	15.09	25.65	-	4.58	10.03	15.34	28.03	-	10.32	15.75	31.21	
10	12	-	4.19	8.59	12.95	22.66	-	5.41	10.79	16.13	26.38	-	5.68	11.01	16.33	28.85	-	11.29	16.69	31.12	
	16	-	3.60	8.00	12.32	21.99	-	4.78	10.15	15.44	25.69	-	5.05	10.39	15.68	28.15	-	10.69	16.05	30.40	
	24	-	2.45	6.84	11.09	20.66	-	3.53	8.89	14.10	24.32	-	3.83	9.18	14.40	26.75	-	9.48	14.80	28.97	
11	12	-	3.80	8.18	12.51	21.71	-	4.93	10.25	15.33	25.35	-	5.22	10.43	15.68	27.89	-	10.74	16.03	30.21	
	16	-	3.09	7.47	11.74	20.90	-	4.18	9.48	14.52	24.52	-	4.47	9.70	14.90	27.04	-	10.01	15.26	29.33	
	24	-	1.72	6.07	10.25	19.31	-	2.70	7.97	12.91	22.88	-	3.02	8.25	13.37	25.36	-	8.58	13.76	27.60	
12	12	-	3.37	7.73	12.01	20.68	-	4.42	9.65	14.47	24.24	-	4.72	9.82	14.98	26.85	-	10.14	15.31	29.20	
	16	-	2.54	6.88	11.10	19.73	-	3.54	8.75	13.52	23.26	-	3.85	8.96	14.06	25.84	-	9.28	14.41	28.16	
	24	-	0.94	5.24	9.33	17.88	-	1.84	6.99	11.66	21.35	-	2.17	7.27	12.26	23.87	-	7.61	12.65	26.11	
13	12	-	2.91	7.23	11.21	19.59	-	3.88	9.02	13.56	23.06	-	4.19	9.16	14.23	25.75	-	9.50	14.54	27.96	
	16	-	1.96	6.25	10.17	18.50	-	2.87	7.97	12.47	21.93	-	3.20	8.17	13.16	24.58	-	8.51	13.50	26.75	
	24	-	0.14	4.35	8.16	16.38	-	0.96	5.96	10.36	19.73	-	1.29	6.25	11.08	22.29	-	6.60	11.47	24.38	
14	12	-	2.41	6.70	10.35	18.45	-	3.31	8.30	12.61	21.82	-	3.64	8.47	13.43	24.60	-	8.82	13.72	26.63	
	16	-	1.34	5.57	9.18	17.21	-	2.19	7.12	11.38	20.54	-	2.52	7.35	12.21	23.25	-	7.71	12.54	25.24	
	24	-	-	3.43	6.96	14.83	-	0.08	4.88	9.04	18.06	-	0.40	5.21	9.87	20.64	-	5.56	10.25	22.56	
16	12	-	1.33	5.28	8.58	16.07	-	2.16	6.80	10.65	19.21	-	2.49	7.03	11.71	22.16	-	7.40	11.99	23.80	
	16	-	0.08	3.94	7.19	14.56	-	0.83	5.38	9.18	17.63	-	1.14	5.67	10.20	20.46	-	6.03	10.52	22.08	
	24	-	-	1.46	4.60	11.72	-	-	2.74	6.42	14.65	-	-	3.12	7.36	17.24	-	3.45	7.74	18.79	
18	12	-	0.30	3.84	6.83	13.63	-	1.02	5.21	8.69	11.65	-	1.34	5.55	9.78	19.25	-	5.93	10.16	20.85	
	16	-	-	2.36	5.27	11.90	-	-	3.62	7.02	14.70	-	-	3.99	8.03	17.26	-	4.34	8.44	18.82	
	24	-	-	-	2.43*	8.73	-	-	0.73*	3.98	11.33	-	-	1.13	4.83	13.59	-	1.42	5.26	15.04	
20	12	-	-	2.51	5.18	11.27	-	-	3.69	6.82	13.88	-	0.23	4.12	7.87	16.30	-	4.48	8.37	17.90	
	16	-	-	0.95*	3.52	9.39	-	-	2.00	5.03	11.87	-	-	2.41	5.96	14.11	-	2.72	6.44	15.62	
	24	-	-	-	0.55*	6.01*	-	-	-	1.82*	8.26	-	-	-	2.52*	10.15	-	-	2.94	11.48	
22	12	-	-	-	1.36*	3.70	9.07	-	-	2.35	5.11	11.38	-	-	2.80	6.10	13.51	-	3.11	6.64	15.06
	16	-	-	-	1.99*	7.11	-	-	-	0.62*	3.26*	9.28	-	-	0.99*	4.07	11.19	-	1.24*	4.56	12.62
	24	-	-	-	-	3.65*	-	-	-	-	5.55*	-	-	-	0.50*	7.09*	-	-	-	0.86*	8.26
24	12	-	-	-	0.38*	2.42*	7.10	-	-	1.20*	3.62*	9.12	-	-	1.62*	4.51	10.95	-	1.86*	5.03	12.45
	16	-	-	-	0.71*	5.12*	-	-	-	-	1.75*	6.99*	-	-	-	2.42*	8.59	-	-	2.85*	9.91
	24	-	-	-	-	1.68*	-	-	-	-	-	3.25*	-	-	-	4.45*	-	-	-	-	5.44*

Wall Height (ft.)	O.C. (in.)	60 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	0.85	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
	16	0.01	1.32	4.80	7.29	11.37	0.38	1.82	5.67	8.55	13.62	0.83	2.64	7.13	10.67	16.94	3.04	7.40	11.69	20.20
	24	-	-	3.04	5.42	9.31	-	0.24	3.93	6.71	11.54	-	0.94	5.29	8.72	14.80	1.34	5.65	9.74	18.07
9	12	1.16	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
	16	-	0.41*	3.44	5.62	9.16	-	0.89	4.31	6.90	11.36	0.01	1.61	5.71	8.82	14.42	2.01	6.04	9.98	17.73
	24	-	-	1.58*	3.61*	6.93	-	-	2.41	4.87	9.03	-	-	3.64	6.63	11.99	0.07	4.04	7.71	15.24
10	12	-	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
	16	-	-	2.25*	4.10	7.14	-	0.04*	3.07	5.36	9.21	-	0.64	4.27	7.05	11.99	1.01	4.71	8.19	15.04
	24	-	-	0.37*	2.06*	4.85*	-	-	1.08*	3.21*	6.74	-	-	2.09*	4.72	9.37	-	2.52*	5.72	12.32
11	12	-	-	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
	16	-	-	1.26*	2.81*	5.38	-	-	1.97*	3.97	7.26	-	-	2.98*	5.43	9.73	0.08*	3.46	6.51	12.50
	24	-	-	-	0.81*	3.11*	-	-	-	1.79*	4.74*	-	-	0.77*	3.04*	7.04	-	1.17*	3.92*	9.65
12	12	-	-	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
	16	-	-	0.45*	1.76*	3.91*	-	-	1.05*	2.77*	5.55	-	-	1.88*	4.01*	7.72	-	2.35*	5.00	10.18
	24	-	-	-	-	1.71*	-	-	-	0.61*	3.06*	-	-	-	1.63*	5.02*	-	-	2.36*	7.31*
13	12	-	-	0.82*	1.99*	3.91*	-	-	1.41*	2.99*	5.50	-	-	2.21*	4.16*	7.49	-	2.76*	5.21	9.77
	16	-	-	-	-	2.69*	-	-	0.28*	1.76*	4.10*	-	-	0.96*	2.80*	5.97*	-	1.37*	3.67*	8.14
	24	-	-	-	-	-	-	-	-	-	1.68*	-	-	-	-	3.34*	-	-	1.03*	5.31*
14	12	-	-	-	1.26*	2.86*	-	-	0.76*	2.11*	4.23*	-	-	1.42*	3.10*	5.96	-	1.89*	3.98*	7.97
	16	-	-	-	-	1.71*	-	-	-	-	2.88*	-	-	-	1.79*	4.49*	-	0.51*	2.47*	6.38*
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.96*	-	-	-	3.63*
16	12	-	-	-	-	-	-	-	-	-	2.30*	-	-	-	1.47*	3.57*	-	-	2.03*	5.08*
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.24*	-	-	-	3.62*
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.97*	-	-	-	3.08*
	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"															(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*	-	-	-	-	5.77*	-	-	-	4.77*		
	16	-	-	-	-	-	-	-	-	-	2.47*	-	-	-	-	3.65*	-	-	-	2.55*		
	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)				800S250 - (mils)				800S300 - (mils)			
		43	54	68	97	43	54	68	97	43	54	68	97	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	
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
	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
	24	-	-	2.24*	4.55	8.35	-	-	3.13	5.86	10.56	-	0.15	4.43	7.80	13.78	0.54
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
	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
	24	-	-	0.74*	2.70*	5.91	-	-	1.54*	3.94	7.95	-	-	2.69	5.62	10.86	0.54
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
	16	-	-	1.59*	3.38*	6.34	-	-	2.37*	4.61	8.35	-	-	3.51	6.23	11.08	0.28
	24	-	-	-	1.15*	3.81*	-	-	0.18*	2.24*	5.62	-	-	1.10*	3.66*	8.18	-
11	12	-	-	1.78*	3.38*	6.02	-	-	2.53*	4.58	7.95	-	0.36*	3.60	6.10	10.47	0.70
	16	-	-	0.60*	2.11*	4.58*	-	-	1.27*	3.20*	6.37	-	-	2.20*	4.59	8.79	-
	24	-	-	-	-	2.10*	-	-	-	0.81*	3.61*	-	-	-	1.97*	5.82*	-
12	12	-	-	0.96*	2.30*	4.53*	-	-	1.61*	3.38*	6.24	-	-	2.50*	4.68	8.47	-
	16	-	-	-	1.07*	3.13*	-	-	0.34*	2.01*	4.67*	-	-	1.10*	3.17*	6.77	-
	24	-	-	-	-	-	-	-	-	-	1.95*	-	-	-	0.57*	3.82*	-
13	12	-	-	-	1.43*	3.28*	-	-	0.83*	2.35*	4.78*	-	-	1.56*	3.46*	6.71	-
	16	-	-	-	-	1.95*	-	-	-	1.01*	3.24*	-	-	0.20*	1.98*	5.04*	-
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.17*	-
14	12	-	-	-	-	2.27*	-	-	-	1.50*	3.54*	-	-	0.79*	2.43*	5.20*	-
	16	-	-	-	-	-	-	-	-	-	2.07*	-	-	-	0.99*	3.59*	-
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	12	-	-	-	-	-	-	-	-	-	1.68*	-	-	-	-	2.88*	-
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	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	183 210	137 154	92 115	268 155	201 107	134 68	86 53	65 40	43 27	153 99	115 66	77 49	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 95	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 19	40 13	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	12 7	72 18	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 12	59 16	44 8	29 19	79 14	60 10	40 26	120 20	90 13	60
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Uniformly distributed single span load (psf) with $k_{\phi} = 0$

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

Span (ft.)	Stud Designation	1000S250-54			1000S250-68			1000S250-97			-			1000S300-54			1000S300-68			1000S300-97			-		
		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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Strength L/360	424	318	212	*	483	322	*	*	*	-	-	-	424	318	212	*	499	333	*	*	*	-	-	-
		532	399	266	*	509	339	*	*	*	-	-	-	559	419	280	*	544	363	*	*	*	-	-	-
11	Strength L/360	384	288	192	*	399	266	*	*	435	-	-	-	386	289	193	*	413	275	*	*	452	-	-	-
		400	300	200	*	382	255	*	*	358	-	-	-	420	315	210	*	409	273	*	*	392	-	-	-
12	Strength L/360	323	242	161	447	336	224	*	*	365	-	-	-	333	250	166	462	347	231	*	*	380	-	-	-
		308	231	154	393	294	196	*	*	275	-	-	-	324	243	162	420	315	210	*	*	302	-	-	-
13	Strength L/360	275	206	138	381	286	191	*	467	311	-	-	-	284	213	142	394	295	197	*	485	324	-	-	-
		242	182	121	309	232	154	*	325	217	-	-	-	254	191	127	330	248	165	*	356	237	-	-	-
14	Strength L/360	237	178	119	329	247	164	*	403	268	-	-	-	245	183	122	340	255	170	*	418	279	-	-	-
		194	145	97	247	185	124	*	260	173	-	-	-	204	153	102	265	198	132	*	285	190	-	-	-
15	Strength L/360	207	155	103	286	215	143	468	351	234	-	-	-	213	160	107	296	222	148	486	365	243	-	-	-
		158	118	79	201	151	100	282	212	141	-	-	-	166	124	83	215	161	108	309	232	154	-	-	-
16	Strength L/360	182	136	91	252	189	126	411	308	206	-	-	-	187	140	94	260	195	130	427	320	214	-	-	-
		130	97	65	166	124	83	232	174	116	-	-	-	136	102	68	177	133	89	254	191	127	-	-	-
17	Strength L/360	161	121	80	223	167	111	364	273	182	-	-	-	166	124	83	230	173	115	378	284	189	-	-	-
		108	81	54	138	104	69	194	145	97	-	-	-	114	85	57	148	111	74	212	159	106	-	-	-
18	Strength L/360	144	108	72	199	149	99	325	244	162	-	-	-	148	111	74	205	154	103	338	253	169	-	-	-
		91	68	46	116	87	58	163	122	82	-	-	-	96	72	48	124	93	62	179	134	89	-	-	-
19	Strength L/360	129	97	64	178	134	89	292	219	146	-	-	-	133	100	66	184	138	92	303	227	151	-	-	-
		78	58	39	99	74	49	139	104	69	-	-	-	82	61	41	106	79	53	152	114	76	-	-	-
20	Strength L/360	116	87	58	161	121	81	263	197	132	-	-	-	120	90	60	166	125	83	273	205	137	-	-	-
		67	50	33	85	64	42	119	89	60	-	-	-	70	52	35	91	68	45	130	98	65	-	-	-
21	Strength L/360	105	79	53	146	110	73	239	179	119	-	-	-	109	82	54	151	113	75	248	186	124	-	-	-
		57	43	29	73	55	37	103	77	51	-	-	-	60	45	30	78	59	39	113	84	56	-	-	-
22	Strength L/360	96	72	48	133	100	67	217	163	109	-	-	-	99	74	50	138	103	69	226	169	113	-	-	-
		50	37	25	64	48	32	89	67	45	-	-	-	53	39	26	68	51	34	98	73	49	-	-	-
23	Strength L/360	88	66	44	122	91	61	199	149	99	-	-	-	91	68	45	126	94	63	207	155	103	-	-	-
		44	33	22	56	42	28	78	59	39	-	-	-	46	34	23	60	45	30	86	64	43	-	-	-
24	Strength L/360	81	61	40	112	84	56	183	137	91	-	-	-	83	62	42	116	87	58	190	142	95	-	-	-
		38	29	19	49	37	25	69	52	34	-	-	-	40	30	20	53	39	26	75	57	38	-	-	-
25	Strength L/360	74	56	37	103	77	52	168	126	84	-	-	-	77	58	38	107	80	53	175	131	87	-	-	-
		34	26	17	43	33	22	61	46	30	-	-	-	36	27	18	46	35	23	67	50	33	-	-	-
26	Strength L/360	69	52	34	95	71	48	156	117	78	-	-	-	71	53	35	98	74	49	162	121	81	-	-	-
		30	23	15	39	29	19	54	41	27	-	-	-	32	24	16	41	31	21	59	44	30	-	-	-
27	Strength L/360	64	48	32	88	66	44	144	108	72	-	-	-	66	49	33	91	68	46	150	113	75	-	-	-
		27	20	14	34	26	17	48	36	24	-	-	-	28	21	14	37	28	18	53	40	26	-	-	-
28	Strength L/360	59	44	30	82	62	41	134	101	67	-	-	-	61	46	31	85	64	42	139	105	70	-	-	-
		24	18	12	31	23	15	43	33	22	-	-	-	25	19	13	33	25	17	47	36	24	-	-	-
29	Strength L/360	55	41	28	77	57	38	125	94	63	-	-	-	57	43	29	79	59	40	130	98	65	-	-	-
		22	16	11	28	21	14	39	29	20	-	-	-	23	17	11	30	22	15	43	32	21	-	-	-
30	Strength L/360	52	39	26	72	54	36	117	88	58	-	-	-	53	40	27	74	55	37	122	91	61	-	-	-
		20	15	10	25	19	13	35	26	18	-	-	-	21	16	10	27	20	13	39	29	19	-	-	-
31	Strength L/360	48	36	24	67	50	34	110	82	55	-	-	-	50	37	25	69	52	35	114	85	57	-	-	-
		18	13	9	23	17	11	32	24	16	-	-	-	19	14	9	24	18	12	35	26	17	-	-	-
32	Strength L/360	45	34	23	63	47	31	103	77	51	-	-	-	47	35	23	65	49	33	107	80	53	-	-	-
		16	12	8	21	16	10	29	22	15	-	-	-	17	13	9	22	17	11	32	24	16	-	-	-
33	Strength L/360	43	32	21	59	44	30	97	72	48	-	-	-	44	33	22	61	46	31	100	75	50	-	-	-
		15	11	7	19	14	9	26	20	13	-	-	-	16	12	8	20	15	10	29	22	15	-	-	-
34	Strength L/360	40	30	20	56	42	28	91	68	46	-	-	-	41	31	21	58	43	29	95	71	47	-	-	-
		14	10	7	17	13	9	24	18	12	-	-	-	14	11	7	18	14	9	27	20	13	-	-	-
35	Strength L/360	38	28	19	53	39	26	86	64	43	-	-	-	39	29	20	54	41	27	89	67	45	-	-	-
		12	9	6	16	12	8	22	17	11	-	-	-	13	10	7	17	13	8	24	18	12	-	-	-
36	Strength L/360	36	27	18	50	37	25	81	61	41	-	-	-	37	28	18	51	39	26	84	63	42	-	-	-
		11	9	6	15	11	7	20	15	10	-	-	-	12	9	6	16	12	8	22	17	11	-	-	-
37	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Stud Designation	1200S162-68			1200S162-97			1200S200-68			1200S200-97			1200S250-68			1200S250-97			1200S300-68			1200S300-97		
Span (ft.)	Strength Or Deflection	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	434 461	326 346	217 230	*	*	366 336	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Strength L/360	370 362	278 272	185 181	*	467 396	311 264	428 411	321 308	214 206	*	*	355 298	457 455	342 341	228 227	*	*	379 334	475 511	356 383	237 256	*	*	395 367
14	Strength L/360	319 290	239 218	160 145	*	403 317	269 211	369 329	277 247	185 165	*	459 358	306 239	394 364	295 273	197 182	*	490 401	327 268	409 409	307 307	205 205	*	*	340 294
15	Strength L/360	278 236	209 177	139 118	468 344	351 258	234 172	322 268	241 201	161 134	*	400 291	267 194	343 296	257 222	171 148	*	427 326	285 218	356 333	267 250	178 166	*	445 358	296 239
16	Strength L/360	244 194	183 146	122 97	411 283	308 213	206 142	283 221	212 165	141 110	469 320	352 240	234 160	301 244	226 183	151 122	*	375 269	250 179	313 274	235 206	157 137	*	391 295	261 197
17	Strength L/360	216 162	162 122	108 81	364 236	273 177	182 118	251 184	188 138	125 92	415 267	311 200	208 133	267 203	200 152	134 102	443 299	332 224	222 149	277 229	208 171	139 114	462 328	346 246	231 164
18	Strength L/360	193 137	145 102	97 68	325 199	244 149	162 100	223 155	168 116	112 77	370 225	278 169	185 112	238 171	179 128	119 86	395 252	296 189	198 126	248 193	186 144	124 96	412 277	309 207	206 138
19	Strength L/360	173 116	130 87	87 58	292 169	219 127	146 85	201 132	150 99	100 66	332 191	249 143	166 96	214 146	160 109	107 73	355 214	266 161	177 107	222 164	167 123	111 82	370 235	277 176	185 118
20	Strength L/360	156 100	117 75	78 50	263 145	197 109	132 73	181 113	136 85	91 56	300 164	225 123	150 82	193 125	145 94	96 62	320 184	240 138	160 92	200 140	150 105	100 70	334 202	250 151	167 101
21	Strength L/360	142 86	106 64	71 43	239 125	179 94	119 63	164 98	123 73	82 49	272 142	204 106	136 71	175 108	131 81	87 54	290 159	218 119	145 79	182 121	136 91	91 61	303 174	227 131	151 87
22	Strength L/360	129 75	97 56	65 37	218 109	163 82	109 55	150 85	112 64	75 42	248 123	186 92	124 62	159 94	120 70	80 47	265 138	198 103	132 69	166 105	124 79	83 53	276 152	207 114	138 76
23	Strength L/360	118 65	89 49	59 33	199 95	149 72	100 48	137 74	103 56	68 37	227 108	170 81	113 54	146 82	109 62	73 41	242 121	182 91	121 60	152 92	114 69	76 46	252 133	189 99	126 66
24	Strength L/360	109 58	81 43	54 29	183 84	137 63	91 42	126 65	94 49	63 33	208 95	156 71	104 47	134 72	100 54	67 36	222 106	167 80	111 53	139 81	104 61	70 41	232 117	174 88	116 58
25	Strength L/360	100 51	75 38	50 25	168 74	126 56	84 37	116 58	87 43	58 29	192 84	144 63	96 42	123 64	93 48	62 32	205 94	154 70	104 47	128 72	96 54	64 36	213 103	160 77	107 52
26	Strength L/360	93 45	69 34	46 23	156 66	117 50	78 33	107 51	80 39	54 26	178 75	133 56	89 37	114 57	86 43	57 28	189 84	142 63	95 42	119 64	89 48	59 32	197 92	148 69	99 46
27	Strength L/360	86 40	64 30	43 20	144 59	108 44	72 29	99 46	74 34	50 23	165 67	123 50	82 33	106 51	79 38	53 25	176 75	132 56	88 37	110 57	83 43	55 29	183 82	137 61	92 41
28	Strength L/360	80 36	60 27	40 18	134 53	101 40	67 26	92 41	69 31	46 21	153 60	115 45	77 30	98 46	74 34	49 23	163 67	122 50	82 33	102 51	77 38	51 26	170 73	128 55	85 37
29	Strength L/360	74 33	56 24	37 16	125 48	94 36	63 24	86 37	65 28	43 19	143 54	107 40	71 27	92 41	69 20	46 30	152 60	114 45	76 30	95 46	72 35	48 23	159 66	119 50	79 33
30	Strength L/360	70 29	52 22	35 15	117 43	88 32	58 21	80 33	60 25	40 17	133 49	100 36	67 24	86 37	64 28	43 18	142 54	107 41	71 27	89 42	67 31	45 21	148 60	111 45	74 30
31	Strength L/360	65 27	49 20	33 13	110 39	82 29	55 19	75 30	57 23	38 15	125 44	94 33	62 22	80 34	60 25	40 17	133 49	100 37	67 25	83 38	63 28	42 19	139 54	104 41	69 27
32	Strength L/360	61 24	46 18	31 12	103 35	77 27	51 18	71 28	53 21	35 14	117 40	88 30	59 20	75 30	57 23	38 15	125 45	94 34	63 22	78 34	59 26	39 17	130 49	98 37	65 25
33	Strength L/360	57 22	43 17	29 11	97 32	73 24	48 16	66 25	50 19	33 13	110 36	83 27	55 18	71 28	53 21	35 14	118 41	88 31	59 20	74 31	55 23	37 16	123 45	92 34	61 22
34	Strength L/360	54 20	41 15	27 10	91 30	68 22	46 15	63 23	47 17	31 11	104 33	78 25	52 17	67 25	50 19	33 13	111 37	83 28	55 19	69 29	52 21	35 14	115 41	87 31	58 21
35	Strength L/360	51 19	38 14	26 9	86 27	64 20	43 14	59 21	44 16	30 11	98 31	73 23	49 15	63 23	47 17	31 12	105 34	78 26	52 17	65 26	49 20	33 13	109 38	82 28	54 19
36	Strength L/360	48 17	36 13	24 9	81 25	61 19	41 12	56 19	42 15	28 10	93 28	69 21	46 14	60 21	45 16	30 11	99 31	74 24	49 16	62 24	46 18	31 12	103 35	77 26	51 17
37	Strength L/360	46 16	34 12	23 8	77 23	58 17	38 11	53 18	40 13	26 9	88 26	66 19	44 13	56 20	42 15	28 10	94 29	70 22	47 14	59 22	44 17	29 11	97 32	73 24	49 16
38	Strength L/360	43 15	32 11	22 7	73 21	55 16	36 11	50 16	38 12	25 8	83 24	62 18	42 12	53 18	40 14	27 9	89 27	67 20	44 13	56 20	42 15	28 10	92 29	69 22	46 15
39	Strength L/360	-	-	-	-	-	-	48 15	36 11	24 8	79 22	59 17	38 11	25 17	14 13	25 8	84 25	63 19	42 12	53 19	40 14	26 9	88 27	66 20	44 14
40	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Stud Designation	1400S162-68			1400S162-97			1400S200-68			1400S200-97			1400S250-68			1400S250-97			1400S300-68			1400S300-97		
Span (ft.)	Strength Or Deflection	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	207 154	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 72	91 54	61 36	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 29	60 20	40 18	136 58	102 43	68 29	87 51	65 32	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 18	137 59	103 44	69 29	85 42	64 31	43 21	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 27	30 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 20	50 23	34 15	113 44	85 33	57 22	72 33	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	51 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 18	32 13	108 38	81 29	54 19
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	-	-	-	-	-	-	51 20	39 15	26 10	87 30	65 22	43 15	55 22	42 17	28 11	93 33	70 25	47 16	58 23	44 18	29 12	98 36	73 40	49 19

	Stud Designation	600S162-43			600S162-54			600S162-68			600S162-97			600S200-43			600S200-54			600S200-68			600S200-97		
Span (ft.)	Strength Or Deflection	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	577 808	433 606	289 404	*	*	497 499	*	*	666 615	*	*	*	634 936	475 702	317 468	*	*	497 579	*	*	*	*	*	*
6	Strength L/360	401 468	301 351	200 234	*	563 433	375 289	*	*	462 356	*	*	*	465 542	348 406	232 271	*	622 503	415 335	*	*	538 414	*	*	*
7	Strength L/360	295 295	221 221	147 147	551 364	414 273	276 182	*	510 336	340 224	*	*	462 305	341 341	256 256	171 171	621 422	466 317	311 211	*	593 391	395 261	*	*	541 357
8	Strength L/360	226 197	169 148	113 99	422 244	317 183	211 122	520 300	390 225	260 150	*	531 307	354 204	261 229	196 171	131 114	476 283	357 212	238 141	605 349	454 262	303 175	*	*	414 239
9	Strength L/360	178 139	134 104	89 69	334 171	250 128	167 86	411 211	308 158	205 105	*	420 215	280 144	206 161	155 120	103 80	376 199	282 149	188 99	478 245	359 184	239 123	*	491 252	327 168
10	Strength L/360	144 101	108 76	72 51	270 125	203 94	135 62	333 154	250 115	166 77	453 209	340 157	227 105	167 117	125 88	84 59	304 145	228 109	152 72	387 179	290 134	194 89	*	398 184	265 122
11	Strength L/360	119 76	89 57	60 38	223 94	167 70	112 47	275 116	206 87	138 58	375 157	281 118	187 79	138 88	104 66	69 44	252 109	189 82	126 54	320 134	240 101	160 67	438 184	329 138	219 92
12	Strength L/360	100 58	75 44	50 29	188 162	141 86	94 54	231 130	173 98	116 67	315 121	236 91	157 61	116 68	87 51	58 34	211 84	159 63	106 42	269 104	202 78	134 52	368 142	276 106	184 71
13	Strength L/360	85 46	64 34	43 23	160 57	120 43	86 28	197 70	148 52	98 35	268 95	201 71	134 48	98 53	74 40	49 27	180 66	135 49	90 33	229 81	172 61	115 41	314 111	235 84	157 56
14	Strength L/360	74 37	55 28	37 18	138 45	103 34	69 23	170 56	127 42	85 28	231 76	173 57	116 38	85 43	64 32	43 21	155 53	116 40	78 26	198 65	148 49	99 33	270 89	203 67	135 45
15	Strength L/360	64 30	48 22	32 15	120 37	90 28	60 18	148 46	111 34	74 23	201 62	151 47	101 31	74 35	56 26	37 17	135 43	101 32	68 21	172 53	129 40	86 26	236 73	177 54	118 36
16	Strength L/360	56 25	42 18	28 12	106 30	79 23	53 15	130 38	98 28	65 19	177 51	133 38	89 26	65 29	49 21	33 14	119 35	89 27	59 18	151 44	113 30	76 22	207 60	155 45	104 30
17	Strength L/360	50 21	37 15	25 10	93 25	70 19	47 13	115 31	86 23	58 16	157 43	118 32	78 21	58 24	43 18	29 12	105 29	79 22	53 15	134 36	101 27	67 18	183 50	138 37	92 25
18	Strength L/360	45 17	33 13	22 9	83 21	63 16	42 11	103 26	77 20	51 13	140 36	105 27	70 18	52 20	39 15	26 10	94 25	70 19	47 12	120 31	90 23	60 15	164 42	123 31	82 71
19	Strength L/360	40 15	30 11	20 7	75 18	56 14	37 9	92 22	69 17	46 11	126 31	94 23	63 15	46 17	35 13	23 9	84 21	63 16	42 11	107 26	80 20	54 13	147 36	110 27	73 18
20	Strength L/360	36 13	27 9	18 6	68 16	51 12	34 8	83 19	62 14	42 10	113 26	85 20	57 13	42 15	31 11	21 7	76 18	57 14	38 9	97 22	73 17	48 11	133 31	99 23	66 15
21	Strength L/360	33 11	25 8	16 5	61 13	46 10	31 7	75 17	57 12	38 8	103 23	77 17	51 11	38 13	28 9	19 6	69 16	52 12	35 8	88 19	66 14	44 10	120 26	90 20	60 13
22	Strength L/360	30 9	22 7	15 5	56 12	42 9	28 6	69 14	52 11	34 7	94 20	70 15	47 10	35 11	26 8	17 5	63 14	47 10	31 7	80 17	60 13	40 8	110 23	82 17	55 11
23	Strength L/360	-	-	-	51 10	38 8	26 5	63 13	47 9	31 6	86 17	64 13	43 9	32 10	24 7	16 5	58 12	43 9	29 6	73 15	55 11	37 7	100 20	75 15	50 10
24	Strength L/360	-	-	-	47 9	35 7	23 5	58 11	43 8	29 6	79 15	59 11	39 8	-	-	-	53 10	40 8	26 5	67 13	50 10	34 6	92 18	69 13	46 9
25	Strength L/360	-	-	-	-	-	-	53 10	40 7	27 5	73 13	54 10	36 7	-	-	-	49 9	37 7	24 5	62 11	46 9	31 6	85 16	64 12	42 8
26	Strength L/360	-	-	-	-	-	-	-	-	-	67 12	50 9	34 6	-	-	-	-	-	-	57 10	43 8	29 5	78 14	59 10	39 7
27	Strength L/360	-	-	-	-	-	-	-	-	-	62 11	47 8	31 5	-	-	-	-	-	-	53 9	40 7	27 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Stud Designation	800S162-43			800S162-54			800S162-68			800S162-97			800S200-43			800S200-54			800S200-68			800S200-97		
Span (ft.)	Strength Or Deflection	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	448	336	224	*	*	445	*	*	693	*	*	*	448	336	224	*	*	445	*	*	*	*	*	*
		905	679	453	*	*	562	*	*	712	*	*	*	1070	803	535	*	*	664	*	*	*	*	*	*
7	Strength L/360	384	288	192	*	564	376	*	*	509	*	*	*	384	288	192	*	572	382	*	*	588	*	*	*
		570	428	285	*	531	354	*	*	448	*	*	*	674	506	337	*	627	418	*	*	518	*	*	*
8	Strength L/360	315	236	158	576	432	288	*	585	390	*	*	538	336	252	168	*	501	334	*	*	450	*	*	*
		382	286	191	474	356	237	*	451	300	*	*	414	452	339	226	*	420	280	*	*	347	*	*	*
9	Strength L/360	249	187	125	455	341	227	616	462	308	*	*	425	298	224	149	554	416	277	*	534	356	*	*	490
		268	201	134	333	250	167	422	316	211	*	*	291	317	238	159	393	295	197	*	365	244	*	*	335
10	Strength L/360	202	151	101	368	276	184	499	374	249	*	516	344	248	186	124	449	337	225	577	432	288	*	*	397
		196	147	98	243	182	121	308	231	154	*	318	212	231	173	116	287	215	143	355	266	178	*	*	244
11	Strength L/360	167	125	83	305	228	152	412	309	206	*	426	284	205	154	102	371	278	186	477	357	238	*	492	328
		147	110	73	182	137	91	231	173	116	*	239	159	174	130	87	215	162	108	267	200	133	*	275	184
12	Strength L/360	140	105	70	256	192	128	346	260	173	478	358	239	172	129	86	312	234	156	400	300	200	*	413	276
		113	85	57	141	105	70	178	133	89	245	184	123	134	100	67	166	124	83	205	154	103	*	212	141
13	Strength L/360	119	90	60	218	164	109	295	221	148	407	305	204	147	110	73	266	199	133	341	256	171	470	352	235
		89	67	44	111	83	55	140	105	70	193	145	96	105	79	53	130	98	65	162	121	81	222	167	111
14	Strength L/360	103	77	51	188	141	94	255	191	127	351	263	176	126	95	63	229	172	115	294	221	147	405	304	202
		71	53	36	89	66	44	112	84	56	154	116	77	84	63	42	104	78	52	129	97	65	178	134	89
15	Strength L/360	90	67	45	164	123	82	222	166	111	306	229	153	110	83	55	200	150	100	256	192	128	353	265	176
		58	43	29	72	54	36	91	68	46	126	94	63	69	51	34	85	64	42	105	79	53	145	109	72
16	Strength L/360	79	59	39	144	108	72	195	146	97	269	202	134	97	73	48	175	132	88	225	169	113	310	233	155
		48	36	24	59	44	30	75	56	38	103	78	52	56	42	28	70	52	35	87	65	43	119	89	60
17	Strength L/360	70	52	35	127	96	64	173	129	86	238	179	119	86	64	43	155	117	78	200	150	100	275	206	137
		40	30	20	49	37	25	63	47	31	86	65	43	47	35	24	58	44	29	72	54	36	99	75	50
18	Strength L/360	62	47	31	114	85	57	154	115	77	212	159	106	77	57	38	139	104	69	178	133	89	245	184	122
		34	25	17	42	31	21	53	40	26	73	54	36	40	30	20	49	37	25	61	46	30	84	63	42
19	Strength L/360	56	42	28	102	77	51	138	104	69	191	143	95	69	51	34	124	93	62	160	120	80	220	165	110
		29	21	14	35	27	18	45	34	22	62	46	31	34	25	17	42	31	21	52	39	26	71	53	36
20	Strength L/360	50	38	25	92	69	46	125	94	62	172	129	86	62	46	31	112	84	56	144	108	72	198	149	99
		24	18	12	30	23	15	38	29	19	53	40	26	29	22	14	36	27	18	44	33	22	61	46	31
21	Strength L/360	46	34	23	84	63	42	113	85	57	156	117	78	56	42	28	102	76	51	131	98	65	180	135	90
		21	16	11	26	20	13	33	25	17	46	34	23	25	19	12	31	23	15	38	29	19	53	40	26
22	Strength L/360	42	31	21	76	57	38	103	77	52	142	107	71	51	38	26	93	70	46	119	89	60	164	123	82
		18	14	9	23	17	11	29	22	14	40	30	20	22	16	11	27	20	13	33	25	17	46	34	23
23	Strength L/360	38	29	19	70	52	35	94	71	47	130	98	65	47	35	23	85	64	42	109	82	55	150	113	75
		16	12	8	20	15	10	25	19	13	35	26	17	19	14	10	24	18	12	29	22	15	40	30	20
24	Strength L/360	35	26	18	64	48	32	87	65	43	119	90	60	43	32	22	78	58	39	100	75	50	138	103	69
		14	11	7	18	13	9	22	17	11	31	23	15	17	13	8	21	16	10	26	19	13	35	27	18
25	Strength L/360	32	24	16	59	44	29	80	60	40	110	83	55	40	30	20	72	54	36	92	69	46	127	95	63
		13	9	6	16	12	8	20	15	10	27	20	14	15	11	7	18	14	9	23	17	11	31	23	16
26	Strength L/360	30	22	15	55	41	27	74	55	37	102	76	51	37	27	18	66	50	33	85	64	43	117	88	59
		11	8	6	14	10	7	17	13	9	24	18	12	13	10	7	16	12	8	20	15	10	28	21	14
27	Strength L/360	28	21	14	51	38	25	68	51	34	94	71	47	34	26	17	62	46	31	79	59	40	109	82	54
		10	7	5	12	9	6	16	12	8	22	16	11	12	9	6	15	11	7	18	14	9	25	19	12
28	Strength L/360	-	-	-	47	35	23	64	48	32	88	66	44	32	24	16	57	43	29	74	55	37	101	76	51
		-	-	-	11	8	6	14	11	7	19	14	10	11	8	5	13	10	7	16	12	8	22	17	11
29	Strength L/360	-	-	-	44	33	22	59	44	30	82	61	41	29	22	15	53	40	27	69	51	34	94	71	47
		-	-	-	10	7	5	13	9	6	17	13	9	9	7	5	12	9	6	15	11	7	20	15	10
30	Strength L/360	-	-	-	-	-	-	55	42	28	76	57	38	-	-	-	50	37	25	64	48	32	88	66	44
		-	-	-	-	-	-	11	9	6	16	12	8	-	-	-	11	8	5	13	10	7	18	14	9
31	Strength L/360	-	-	-	-	-	-	52	39	26	72	54	36	-	-	-	47	35	23	60	45	30	83	62	41
		-	-	-	-	-	-	10	8	5	14	11	7	-	-	-	10	7	5	12	9	6	16	12	8
32	Strength L/360	-	-	-	-	-	-	49	37	24	67	50	34	-	-	-	-	-	-	56	42	28	78	58	39
		-	-	-	-	-	-	9	7	5	13	10	6	-	-	-	-	-	-	11	8	5	15	11	7
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	-	-	-</																					

	Stud Designation	800S250-43			800S250-54			800S250-68			800S250-97			800S300-54			800S300-68			800S300-97			-		
Span (ft.)	Strength Or Deflection	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	336	224	*	*	445	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
		1210	905	604	*	*	724	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
7	Strength L/360	384	288	192	*	*	382	*	*	614	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
		760	570	380	*	*	456	*	*	581	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
8	Strength L/360	336	252	168	*	501	334	*	*	482	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
		509	382	255	*	458	305	*	*	389	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
9	Strength L/360	298	224	149	564	423	282	*	572	381	*	*	559	568	426	284	*	*	397	*	*	*	-	-	-
		358	268	179	429	322	214	*	410	273	*	*	383	459	344	229	*	*	294	*	*	*	-	-	-
10	Strength L/360	260	195	130	457	343	229	617	463	309	*	*	453	460	345	230	*	482	322	*	*	495	-	-	-
		261	196	130	313	235	156	399	299	199	*	*	279	334	251	167	*	322	215	*	*	308	-	-	-
11	Strength L/360	215	161	107	378	283	189	510	383	255	*	562	374	380	285	190	*	399	266	*	*	409	-	-	-
		196	147	98	235	176	117	300	225	150	*	314	210	251	188	126	*	242	161	*	*	231	-	-	-
12	Strength L/360	180	135	90	317	238	159	429	322	214	*	472	315	320	240	160	447	335	223	*	*	344	-	-	-
		151	113	75	181	136	90	231	173	115	*	242	161	193	145	97	248	186	124	*	*	178	-	-	-
13	Strength L/360	154	115	77	270	203	135	365	274	183	536	402	268	272	204	136	381	285	190	*	440	293	-	-	-
		119	89	59	142	107	71	181	136	91	254	190	127	152	114	76	195	147	98	*	210	140	-	-	-
14	Strength L/360	133	99	66	233	175	117	315	236	158	462	347	231	235	176	117	328	246	164	*	379	253	-	-	-
		95	71	48	114	85	57	145	109	73	203	152	102	122	91	61	156	117	78	*	168	112	-	-	-
15	Strength L/360	115	87	58	203	152	102	274	206	137	403	302	201	205	153	102	286	214	143	440	330	220	-	-	-
		77	58	39	93	69	46	118	89	59	165	124	83	99	74	50	127	95	64	182	137	91	-	-	-
16	Strength L/360	101	76	51	179	134	89	241	181	121	354	265	177	180	135	90	251	188	126	387	290	194	-	-	-
		64	48	32	76	57	38	97	73	49	136	102	68	82	61	41	105	79	52	150	113	75	-	-	-
17	Strength L/360	90	67	45	158	119	79	214	160	107	313	235	157	159	119	80	223	167	111	343	257	171	-	-	-
		53	40	27	64	48	32	81	61	41	114	85	57	68	51	34	87	66	44	125	94	63	-	-	-
18	Strength L/360	80	60	40	141	106	71	191	143	95	280	210	140	142	107	71	199	149	99	306	229	153	-	-	-
		45	34	22	54	40	27	68	51	34	96	72	48	57	43	29	74	55	37	106	79	53	-	-	-
19	Strength L/360	72	54	36	127	95	63	171	128	86	251	188	125	127	96	64	178	134	89	274	206	137	-	-	-
		38	29	19	46	34	23	58	44	29	81	61	41	49	37	24	63	47	31	90	67	45	-	-	-
20	Strength L/360	65	49	32	114	86	57	154	116	77	226	170	113	115	86	58	161	121	80	248	186	124	-	-	-
		33	24	16	39	29	20	50	37	25	70	52	35	42	31	21	54	40	27	77	58	38	-	-	-
21	Strength L/360	59	44	29	104	78	52	140	105	70	205	154	103	104	78	52	146	109	73	225	169	112	-	-	-
		28	21	14	34	25	17	43	32	22	60	45	30	36	27	18	46	35	23	67	50	33	-	-	-
22	Strength L/360	54	40	27	94	71	47	128	96	64	187	140	94	95	71	48	133	100	66	205	154	102	-	-	-
		24	18	12	29	22	15	37	28	19	52	39	26	31	24	16	40	30	20	58	43	29	-	-	-
23	Strength L/360	49	37	25	86	65	43	117	88	58	171	128	86	87	65	43	122	91	61	187	140	94	-	-	-
		21	16	11	26	19	13	33	25	16	46	34	23	27	21	14	35	26	18	51	38	25	-	-	-
24	Strength L/360	45	34	23	79	60	40	107	80	54	157	118	79	80	60	40	112	84	56	172	129	86	-	-	-
		19	14	9	23	17	11	29	22	14	40	30	20	24	18	12	31	23	16	45	33	22	-	-	-
25	Strength L/360	42	31	21	73	55	37	99	74	49	145	109	72	74	55	37	103	77	51	159	119	79	-	-	-
		17	13	8	20	15	10	26	19	13	36	27	18	21	16	11	27	21	14	39	30	20	-	-	-
26	Strength L/360	38	29	19	68	51	34	91	69	46	134	101	67	68	51	34	95	71	48	147	110	73	-	-	-
		15	11	7	18	13	9	23	17	11	32	24	16	19	14	10	24	18	12	35	26	18	-	-	-
27	Strength L/360	36	27	18	63	47	31	85	64	42	124	93	62	63	47	32	88	66	44	136	102	68	-	-	-
		13	10	7	16	12	8	20	15	10	28	21	14	17	13	8	22	16	11	31	23	16	-	-	-
28	Strength L/360	33	25	17	58	44	29	79	59	39	116	87	58	59	44	29	82	62	41	126	95	63	-	-	-
		12	9	6	14	11	7	18	14	9	25	19	13	15	11	8	20	15	10	28	21	14	-	-	-
29	Strength L/360	31	23	15	54	41	27	73	55	37	108	81	54	55	41	27	76	57	38	118	88	59	-	-	-
		11	8	5	13	10	6	16	12	8	23	17	11	14	10	7	18	13	9	25	19	13	-	-	-
30	Strength L/360	29	22	14	51	38	25	69	51	34	101	75	50	51	38	26	71	54	36	110	83	55	-	-	-
		10	7	5	12	9	6	15	11	7	21	15	10	12	9	6	16	12	8	23	17	11	-	-	-
31	Strength L/360	-	-	-	48	36	24	64	48	32	94	71	47	48	36	24	67	50	33	103	77	52	-	-	-
		-	-	-	10	8	5	13	10	7	19	14	9	11	8	6	14	11	7	21	16	10	-	-	-
32	Strength L/360	-	-	-	45	33	22	60	45	30	88	66	44	45	34	22	63	47	31	97	73	48	-	-	-
		-	-	-	10	7	5	12	9	6	17	13	9	10	8	5	13	10	7	19	14	9	-	-	-
33	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	42	32	21	59	44	30	91	68	45	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	9	7	5	12	9	6</						

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 56	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	1000S250-54			1000S250-68			1000S250-97			-			1000S300-54			1000S300-68			1000S300-97			-		
		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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Strength L/360	424 532	318 399	212 266	* *	622 509	415 339	* *	* *	* *	-	-	-	424 559	318 419	212 280	* *	630 544	420 363	* *	* *	* *	-	-	-
11	Strength L/360	386 400	289 300	193 200	* *	514 382	343 255	* *	* *	511 358	-	-	-	386 420	289 315	193 210	* *	521 409	347 273	* *	* *	557 392	-	-	-
12	Strength L/360	354 308	265 231	177 154	576 393	432 294	288 196	* *	* *	429 275	-	-	-	354 324	265 243	177 162	583 420	437 315	292 210	* *	* *	468 302	-	-	-
13	Strength L/360	326 242	245 182	163 121	491 309	368 232	245 154	* *	549 325	366 217	-	-	-	326 254	245 191	163 127	497 330	373 248	248 165	* *	599 356	399 237	-	-	-
14	Strength L/360	287 194	216 145	144 97	423 247	317 185	212 124	* *	473 260	316 173	-	-	-	291 204	218 153	145 102	429 265	321 198	214 132	* *	516 285	344 190	-	-	-
15	Strength L/360	250 158	188 118	125 79	369 201	277 151	184 100	550 282	412 212	275 141	-	-	-	253 166	190 124	127 83	373 215	280 161	187 108	600 309	450 232	300 154	-	-	-
16	Strength L/360	220 130	165 97	110 65	324 166	243 124	162 83	483 232	362 174	242 116	-	-	-	223 136	167 102	111 68	328 177	246 133	164 89	527 254	395 191	264 127	-	-	-
17	Strength L/360	195 108	146 81	97 54	287 138	215 104	144 69	428 194	321 145	214 97	-	-	-	197 114	148 85	99 57	291 148	218 111	145 74	467 212	350 159	233 106	-	-	-
18	Strength L/360	174 91	130 68	87 46	256 116	192 87	128 58	382 163	286 82	191 82	-	-	-	176 96	132 72	88 48	259 124	194 93	130 62	416 179	208 134	208 89	-	-	-
19	Strength L/360	156 78	117 58	78 39	230 99	172 74	115 49	343 139	257 104	171 69	-	-	-	158 82	118 61	79 41	233 106	174 53	116 53	374 152	280 114	187 76	-	-	-
20	Strength L/360	141 67	106 50	70 33	207 85	156 64	104 42	309 119	232 89	155 60	-	-	-	143 70	107 52	71 35	210 91	157 68	105 45	337 130	253 98	169 65	-	-	-
21	Strength L/360	128 57	96 43	64 29	188 73	141 55	94 37	280 103	210 77	140 51	-	-	-	129 60	97 45	65 30	190 78	143 39	95 59	306 113	229 84	153 56	-	-	-
22	Strength L/360	116 50	87 37	58 25	171 64	129 48	86 32	256 89	192 67	128 45	-	-	-	118 53	88 39	59 26	174 68	130 51	87 34	279 98	209 73	139 49	-	-	-
23	Strength L/360	106 44	80 33	53 22	157 56	118 42	78 28	234 78	175 59	117 39	-	-	-	108 46	81 34	54 23	159 60	119 45	79 30	255 86	191 64	128 43	-	-	-
24	Strength L/360	98 38	73 29	49 19	144 49	108 37	72 25	215 69	161 52	107 34	-	-	-	99 40	74 20	50 10	146 53	109 26	73 18	234 75	176 38	117 38	-	-	-
25	Strength L/360	90 34	68 26	45 17	133 43	100 33	66 22	198 61	148 46	99 30	-	-	-	91 36	68 27	46 18	134 46	101 35	67 23	216 67	162 50	108 33	-	-	-
26	Strength L/360	83 30	62 23	42 15	123 39	92 29	61 19	183 54	137 41	91 27	-	-	-	84 32	63 24	42 16	124 41	93 31	62 21	200 59	150 44	100 30	-	-	-
27	Strength L/360	77 27	58 20	39 14	114 34	85 26	57 17	170 48	127 36	85 24	-	-	-	78 28	59 21	39 14	115 37	86 28	58 18	185 53	139 40	93 26	-	-	-
28	Strength L/360	72 24	54 18	36 12	106 31	79 23	53 15	158 43	118 33	79 22	-	-	-	73 25	55 19	36 13	107 33	80 25	54 17	172 47	129 36	86 24	-	-	-
29	Strength L/360	67 22	50 16	33 11	99 28	74 21	49 14	147 39	110 29	74 20	-	-	-	68 23	51 17	34 11	100 30	75 22	50 15	160 43	120 32	80 21	-	-	-
30	Strength L/360	63 20	47 15	31 10	92 25	69 19	46 13	137 35	103 26	69 18	-	-	-	63 21	48 16	32 10	93 27	70 20	47 13	150 39	112 29	75 19	-	-	-
31	Strength L/360	59 18	44 13	29 9	86 23	65 17	43 11	129 32	97 24	64 16	-	-	-	59 19	45 14	30 9	87 24	66 18	44 12	140 35	105 26	70 17	-	-	-
32	Strength L/360	55 16	41 12	28 8	81 21	61 16	41 10	121 29	91 22	60 15	-	-	-	56 17	42 13	28 9	82 22	62 17	41 11	132 32	99 24	66 16	-	-	-
33	Strength L/360	52 15	39 11	26 7	76 19	57 14	38 9	114 26	85 20	57 13	-	-	-	52 16	39 12	26 8	77 20	58 15	39 10	124 29	93 22	62 15	-	-	-
34	Strength L/360	49 14	37 10	24 7	72 17	54 13	36 9	107 24	80 18	54 12	-	-	-	49 14	37 11	25 7	73 18	54 14	36 9	117 27	88 20	58 13	-	-	-
35	Strength L/360	46 12	34 9	23 6	68 16	51 12	34 8	101 22	76 17	50 11	-	-	-	47 13	35 10	23 7	69 17	51 13	34 8	110 24	83 18	55 12	-	-	-
36	Strength L/360	43 11	33 9	22 6	64 15	48 11	32 7	95 20	72 15	48 10	-	-	-	44 12	33 9	22 6	65 16	49 12	32 8	104 22	78 17	52 11	-	-	-
37	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	Strength L/360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Stud Designation	1200S162-68			1200S162-97			1200S200-68			1200S200-97			1200S250-68			1200S250-97			1200S300-68			1200S300-97		
Span (ft.)	Strength Or Deflection	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 16	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 18	47 14	31 9	105 27	78 20	52 13	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Stud Designation	1400S162-68			1400S162-97			1400S200-68			1400S200-97			1400S250-68			1400S250-97			1400S300-68			1400S300-97		
Span (ft.)	Strength Or Deflection	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	184 139	576 411	432 308	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 52	89 26	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	94 35	114 50	86 38	57 25	199 76	149 57	99 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 20	166 59	124 49	83 29	101 42	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	78 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 21	53 14	39 31	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



BAILEY METAL PRODUCTS LIMITED

MONTREAL	TORONTO	CALGARY	EDMONTON	VANCOUVER
525 Avenue Edward VII Dorval QC H9P 1E7 Tel: 514-735-3455 800-263-3455 Fax: 514-735-5052	One Caldari Road Concord ON L4K 3Z9 Tel: 905-738-9267 800-668-2154 Fax: 905-738-5712	3924 27th Street NE Calgary AB T1Y 5K7 Tel: 403-248-3536 800-665-2013 Fax: 403-248-0288	5710 Roper Rd. NW, Ste. 101 Edmonton AB T6B 3G7 Tel: 780-462-5757 800-563-1751 Fax: 780-450-3378	7715 Anvil Way Surrey BC V3W 6A2 Tel: 604-590-5100 800-818-2666 Fax: 604-599-5371

sales@bmp-group.com • www.bmp-group.com