Product Evaluation Report

Product Manufacturer	Product Name, Model and/or Description
CENTRIA 1550 Coraopolis Heights Road Suite 500 Moon Township, PA 15108	Versapanel Wall Panel

Code: Current Edition of the Florida Building Code including the 9th Edition (2026) Florida Building Code

Compliance Method: Product Approval Rule 61G20-3.005(1)(d) – Product Evaluation Report by a Licensed Professional Engineer

Product Name, Model and/or Designation: Products covered by this evaluation include the following.

- Versapanel Wall Panel
  - 1.75" Panel Thickness
    - 36" Panel Width
    - 22 GA and 26 GA Steel Exterior and Interior Skins
    - Huntsman Rubitherm Polyisocyanurate (PIR) Insulating Foam Core
  - 2.5" Panel Thickness
    - 36" Panel Width
    - 22 GA and 26 GA Steel Exterior and Interior Skins
    - Huntsman Rubitherm Polyisocyanurate (PIR) Insulating Foam Core
  - 4" Panel Thickness
    - 36" Panel Width
    - 22 GA and 26 GA Steel Exterior and Interior Skins
    - Huntsman Rubitherm Polyisocyanurate (PIR) Insulating Foam Core

Installation Drawings:

- Centria Installation Instructions. Versapanel Wall Panel – 1.75", 2.5" and 4" Panel Thickness, Original Issue, dated 7/26/19, Signed and Sealed by Robert J. Amoruso, P.E.

Engineering Analysis & Evaluation:

- Centria Foam Panel Design and Analysis Program CFPA 5.0, Version 2017.
  - Centria "Explanatory Calculations for Centria's In-House Foam Panel Analysis Program, signed and sealed by John Pflugh, FL P.E. No. 73494, dated 9/18/19. Program results verified by engineering analysis.
  - Allowable Stress Design used.
- See Appendix A, B and C for Panel Load/Span analysis results.
  - Appendix A, 26 GA Steel Exterior and Interior Skins, 1.75" panel thickness, 36" panel width.
  - Appendix B, 26 GA Steel Exterior and Interior Skins, 2.5" panel thickness, 36" panel width.
  - Appendix C, 26 GA Steel Exterior and Interior Skins, 4" panel thickness, 36" panel width.
- Appendix A, B and C for Panel Load/Span analysis results based on the following:
  - Load span tables are based on 26 GA Steel Exterior and 26 GA Interior skin thickness. This envelops 22/22, 22/26 and 26/22 Exterior/Interior options.
  - Centria Foam Panel Design and Analysis Program CFPA 5.0, Version 2017
  - Farabaugh Engineering and Testing, Inc., Report No. T330-16, dated 11/03/2017.

Test Reports:

- PERFORMANCE TESTING
  - Test report on Uniform Negative Load Test per ASTM E72-02 for Versapanel 1.75”, 2.5” and 4” at 22ga and 26ga, prepared by Farabaugh Engineering and Testing, Inc., Report No. T330-16, dated 11/03/2017, signed by Daniel G. Farabaugh, P.E.

- MATERIAL TESTS

  - Intertek Report No. H2598.01-106-31, 09/05/17, Huntsman WR40633 and Baytherm 871 Foam Core Insulation for Versawall 2",Versapanel 1.75", and MetalWrap 2" insulation panels, ASTM D1929-16, *Standard Test Method for Determining Ignition Temperature of Plastics*
    - Self-Ignition Temperature = 500ºC (932ºF) (Huntsman WR40633 Versapanel 1.75")
    - Flash Ignition Temperature = 450ºC (842ºF) (Huntsman WR40633 Versapanel 1.75")
  - Intertek Report No. 103133595SAT-001A, June 30, 2017, WR40633 Huntsman foam", ASTM E84-16 TEST FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS (UL 723, UBC 8-1, NFPA 255)
    - Flame spread index = 20
    - Smoke developed index = 300
  - Intertek Report No. 103167166SAT-010A, August 2, 2017, Huntsman foam", ASTM E84-16 TEST FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS (UL 723, UBC 8-1, NFPA 255)
    - Flame spread index = 25
    - Smoke developed index = 250

Material Test Results - Conformance to Florida Building Code:

Code mandated material requirements shown below have been met for the Huntsman Rubitherm Polyisocyanurate (PIR) Insulating Foam Core material. Note that Flash Ignition Temperature is not a code mandated requirement.

- Surface-burning characteristics per ASTM E84 or UL 723
  - Flame spread index $\leq$ 75
  - Smoke-developed index $\leq$ 450

- Self-ignition temperature per ASTM D1929
  - Self-ignition temperature $\geq$ 650°F (343°C)

Test Standards Used:

- ASTM D1929-16
- ASTM E84-16

Limitations & Conditions of Use:

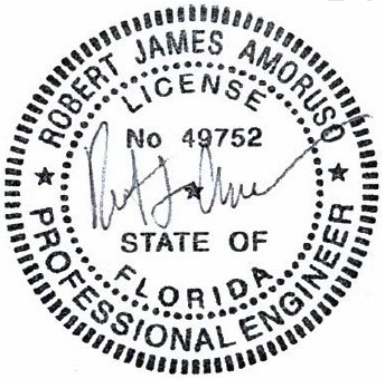
- This product HAS NOT been evaluated for use inside the High Velocity Hurricane Zone (HVHZ).
- This product HAS NOT been tested for Impact Resistant.
- Refer to Product Installation Instructions noted above for:
  - Maximum allowable wind loads at related maximum allowable size(s).
  - Overall dimensions and material/grade of main product components, accessories, etc.
  - Illustrated diagrams of the attachment of the product to substrate structure.
  - Anchor type(s), size(s), substrate(s), embedment, edge distance, and spacing/locations.

- Site wind pressures shall be determined by a licensed professional engineer in accordance with the current edition of the Florida Building Code (and/or ASCE 7 as referenced in the current edition of the Florida Building Code) for components and cladding based on allowable stress design.
- Site conditions not covered in this product evaluation document are subject to additional engineering analysis by a licensed professional engineer or registered architect as required by the authority having jurisdiction.
- Adequacy of the existing structural substrates as a main wind force resisting system capable of withstanding and transferring applied product loads to the foundation is the responsibility of the licensed professional engineer or registered architect acting as the design professional of record for the project of installation.

Certificate of Independence per Product Approval Rule 61G20-3.009

Robert J. Amoruso, P.E., does not have, nor will acquire, any financial interest in the company manufacturing or distributing product(s) covered by this Product Evaluation Report.

Robert J. Amoruso, P.E., does not have, nor will acquire any financial interest in any other entity involved in the approval process or testing of the product(s) covered by this Product Evaluation Report.



Digitally signed by Robert J Amoruso
Date: 2026.09.22 14:00:44 -04'00'

Evaluated by:
Robert J. Amoruso, P.E.
FL P.E. License No. 49752

Appendix No.	Panel Load/Span	No. of Pages
A	26 GA Steel Exterior and Interior Skins, 1.75” panel thickness, 36” panel width.	9
B	26 GA Steel Exterior and Interior Skins, 2.5” panel thickness, 36” panel width.	9
C	26 GA Steel Exterior and Interior Skins, 4” panel thickness, 36” panel width.	9

VP - 1.75 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	11' - 10"	Deflection	10' - 3"	Bending	10' - 9"	Bending
25.00	10' - 2"	End clip	9' - 4"	Bending	9' - 9"	Bending
30.00	7' - 11"	End clip	8' - 8"	Bending	8' - 11"	Bending
35.00	6' - 6"	End clip	8' - 1"	Bending	8' - 4"	Bending
40.00	5' - 6"	End clip	7' - 0"	End clip	7' - 0"	End clip
45.00	4' - 9"	End clip	5' - 10"	End clip	5' - 11"	End clip
50.00	4' - 3"	End clip	5' - 0"	End clip	5' - 2"	End clip
55.00	3' - 9"	End clip	4' - 5"	End clip	4' - 6"	End clip
60.00	3' - 5"	End clip	3' - 11"	End clip	4' - 0"	End clip
65.00	3' - 1"	End clip	3' - 6"	End clip	3' - 7"	End clip
70.00	2' - 10"	End clip	3' - 2"	End clip	3' - 3"	End clip
75.00	2' - 8"	End clip	2' - 11"	End clip	3' - 0"	End clip
80.00	2' - 6"	End clip	2' - 8"	End clip	2' - 9"	End clip
85.00	2' - 4"	End clip	2' - 6"	End clip	2' - 7"	End clip
90.00	2' - 2"	End clip	2' - 4"	End clip	2' - 5"	End clip
95.00	2' - 1"	End clip	2' - 2"	End clip	2' - 3"	End clip
100.00	1' - 11"	End clip	2' - 0"	End clip	2' - 1"	End clip
105.00	1' - 10"	End clip	1' - 11"	End clip	2' - 0"	End clip
110.00	1' - 9"	End clip	1' - 10"	End clip	1' - 11"	End clip
115.00	1' - 8"	End clip	1' - 9"	End clip	1' - 9"	End clip
120.00	1' - 7"	End clip	1' - 8"	End clip	1' - 8"	End clip

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 0.5582 in^4/Ft S_{bf} = 0.2322 in^3/Ft S_{bl} = 0.5091 in^3/Ft

A_c = 21.71 in^2/Ft G_c = 751 psi E = 2.95x10^7 psi

F_b = 21100 LB w/Safety Factor = 1.875 F_v = 33.2 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 6358 LB w/Safety Factor = 6 Interior Fastening = 6358 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.13 psf.
5. This table assumes minimum 1/4" Steel Supports with a single fastener pullout capacity of 3179 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 1.75 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	11' - 10"	Deflection	10' - 3"	Bending	10' - 9"	Bending
25.00	10' - 2"	End clip	9' - 4"	Bending	9' - 9"	Bending
30.00	7' - 11"	End clip	8' - 8"	Bending	8' - 11"	Bending
35.00	6' - 6"	End clip	8' - 1"	Bending	8' - 4"	Bending
40.00	5' - 6"	End clip	7' - 0"	End clip	7' - 0"	End clip
45.00	4' - 9"	End clip	5' - 10"	End clip	5' - 11"	End clip
50.00	4' - 3"	End clip	5' - 0"	End clip	5' - 2"	End clip
55.00	3' - 9"	End clip	4' - 5"	End clip	4' - 6"	End clip
60.00	3' - 5"	End clip	3' - 11"	End clip	4' - 0"	End clip
65.00	3' - 1"	End clip	3' - 6"	End clip	3' - 7"	End clip
70.00	2' - 10"	End clip	3' - 2"	End clip	3' - 3"	End clip
75.00	2' - 8"	End clip	2' - 11"	End clip	3' - 0"	End clip
80.00	2' - 6"	End clip	2' - 8"	End clip	2' - 9"	End clip
85.00	2' - 4"	End clip	2' - 6"	End clip	2' - 7"	End clip
90.00	2' - 2"	End clip	2' - 4"	End clip	2' - 5"	End clip
95.00	2' - 1"	End clip	2' - 2"	End clip	2' - 3"	End clip
100.00	1' - 11"	End clip	2' - 0"	End clip	2' - 1"	End clip
105.00	1' - 10"	End clip	1' - 11"	End clip	2' - 0"	End clip
110.00	1' - 9"	End clip	1' - 10"	End clip	1' - 11"	End clip
115.00	1' - 8"	End clip	1' - 9"	End clip	1' - 9"	End clip
120.00	1' - 7"	End clip	1' - 8"	End clip	1' - 8"	End clip

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 0.5582 in^4/Ft S_{bf} = 0.2322 in^3/Ft S_{bl} = 0.5091 in^3/Ft

A_c = 21.71 in^2/Ft G_c = 751 psi E = 2.95x10^7 psi

F_b = 21100 LB w/Safety Factor = 1.875 F_v = 33.2 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 5320 LB w/Safety Factor = 6 Interior Fastening = 5320 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.13 psf.
5. This table assumes minimum 3/16" Steel Supports with a single fastener pullout capacity of 2660 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 1.75 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	11' - 10"	Deflection	10' - 3"	Bending	10' - 9"	Bending
25.00	10' - 2"	End clip	9' - 4"	Bending	9' - 9"	Bending
30.00	7' - 11"	End clip	8' - 8"	Bending	8' - 11"	Bending
35.00	6' - 6"	End clip	8' - 1"	Bending	8' - 4"	Bending
40.00	5' - 6"	End clip	7' - 0"	End clip	7' - 0"	End clip
45.00	4' - 9"	End clip	5' - 10"	End clip	5' - 11"	End clip
50.00	4' - 3"	End clip	5' - 0"	End clip	5' - 2"	End clip
55.00	3' - 9"	End clip	4' - 5"	End clip	4' - 6"	End clip
60.00	3' - 5"	End clip	3' - 11"	End clip	4' - 0"	End clip
65.00	3' - 1"	End clip	3' - 6"	End clip	3' - 7"	End clip
70.00	2' - 10"	End clip	3' - 2"	End clip	3' - 3"	End clip
75.00	2' - 8"	End clip	2' - 11"	End clip	3' - 0"	End clip
80.00	2' - 6"	End clip	2' - 8"	End clip	2' - 9"	End clip
85.00	2' - 4"	End clip	2' - 6"	End clip	2' - 7"	End clip
90.00	2' - 2"	End clip	2' - 4"	End clip	2' - 5"	End clip
95.00	2' - 1"	End clip	2' - 2"	End clip	2' - 3"	End clip
100.00	1' - 11"	End clip	2' - 0"	End clip	2' - 1"	End clip
105.00	1' - 10"	End clip	1' - 11"	End clip	2' - 0"	End clip
110.00	1' - 9"	End clip	1' - 10"	End clip	1' - 11"	End clip
115.00	1' - 8"	End clip	1' - 9"	End clip	1' - 9"	End clip
120.00	1' - 7"	End clip	1' - 8"	End clip	1' - 8"	End clip

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 0.5582 in^4/Ft S_{bf} = 0.2322 in^3/Ft S_{bl} = 0.5091 in^3/Ft

A_c = 21.71 in^2/Ft G_c = 751 psi E = 2.95x10^7 psi

F_b = 21100 LB w/Safety Factor = 1.875 F_v = 33.2 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 3684 LB w/Safety Factor = 6 Interior Fastening = 3684 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.13 psf.
5. This table assumes minimum 3/16" Aluminum Supports with a single fastener pullout capacity of 1842 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 1.75 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	11' - 10"	Deflection	10' - 3"	Bending	10' - 9"	Bending
25.00	10' - 2"	End clip	9' - 4"	Bending	9' - 9"	Bending
30.00	7' - 11"	End clip	8' - 8"	Bending	8' - 11"	Bending
35.00	6' - 6"	End clip	8' - 1"	Bending	8' - 4"	Bending
40.00	5' - 6"	End clip	7' - 0"	End clip	7' - 0"	End clip
45.00	4' - 9"	End clip	5' - 10"	End clip	5' - 11"	End clip
50.00	4' - 3"	End clip	5' - 0"	End clip	5' - 2"	End clip
55.00	3' - 9"	End clip	4' - 5"	End clip	4' - 6"	End clip
60.00	3' - 5"	End clip	3' - 11"	End clip	4' - 0"	End clip
65.00	3' - 1"	End clip	3' - 6"	End clip	3' - 7"	End clip
70.00	2' - 10"	End clip	3' - 2"	End clip	3' - 3"	End clip
75.00	2' - 8"	End clip	2' - 11"	End clip	3' - 0"	End clip
80.00	2' - 6"	End clip	2' - 8"	End clip	2' - 9"	End clip
85.00	2' - 4"	End clip	2' - 6"	End clip	2' - 7"	End clip
90.00	2' - 2"	End clip	2' - 4"	End clip	2' - 5"	End clip
95.00	2' - 1"	End clip	2' - 2"	End clip	2' - 3"	End clip
100.00	1' - 11"	End clip	2' - 0"	End clip	2' - 1"	End clip
105.00	1' - 10"	End clip	1' - 11"	End clip	2' - 0"	End clip
110.00	1' - 9"	End clip	1' - 10"	End clip	1' - 11"	End clip
115.00	1' - 8"	End clip	1' - 9"	End clip	1' - 9"	End clip
120.00	1' - 7"	End clip	1' - 8"	End clip	1' - 8"	End clip

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 0.5582 in^4/Ft S_{bf} = 0.2322 in^3/Ft S_{bl} = 0.5091 in^3/Ft

A_c = 21.71 in^2/Ft G_c = 751 psi E = 2.95x10^7 psi

F_b = 21100 LB w/Safety Factor = 1.875 F_v = 33.2 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 3560 LB w/Safety Factor = 6 Interior Fastening = 3560 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.13 psf.
5. This table assumes minimum 1/8" Steel Supports with a single fastener pullout capacity of 1780 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 1.75 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	11' - 10"	Deflection	8' - 9"	Int Fastener	9' - 7"	Int Fastener
25.00	10' - 2"	End clip	7' - 1"	Int Fastener	7' - 8"	Int Fastener
30.00	7' - 11"	End clip	6' - 0"	Int Fastener	6' - 5"	Int Fastener
35.00	6' - 6"	End clip	5' - 3"	Int Fastener	5' - 7"	Int Fastener
40.00	5' - 6"	End clip	4' - 8"	Int Fastener	4' - 10"	Int Fastener
45.00	4' - 9"	End clip	4' - 2"	Int Fastener	4' - 4"	Int Fastener
50.00	4' - 3"	End clip	3' - 10"	Int Fastener	3' - 11"	Int Fastener
55.00	3' - 9"	End clip	3' - 6"	Int Fastener	3' - 7"	Int Fastener
60.00	3' - 5"	End clip	3' - 3"	Int Fastener	3' - 4"	Int Fastener
65.00	3' - 1"	End clip	3' - 0"	Int Fastener	3' - 1"	Int Fastener
70.00	2' - 10"	End clip	2' - 10"	Int Fastener	2' - 10"	Int Fastener
75.00	2' - 8"	End clip	2' - 8"	Int Fastener	2' - 8"	Int Fastener
80.00	2' - 6"	End clip	2' - 6"	Int Fastener	2' - 6"	Int Fastener
85.00	2' - 4"	End clip	2' - 4"	Int Fastener	2' - 4"	Int Fastener
90.00	2' - 2"	End clip	2' - 3"	Int Fastener	2' - 3"	Int Fastener
95.00	2' - 1"	End clip	2' - 1"	Int Fastener	2' - 2"	Int Fastener
100.00	1' - 11"	End clip	2' - 0"	Int Fastener	2' - 0"	Int Fastener
105.00	1' - 10"	End clip	1' - 11"	Int Fastener	1' - 11"	Int Fastener
110.00	1' - 9"	End clip	1' - 10"	End clip	1' - 10"	Int Fastener
115.00	1' - 8"	End clip	1' - 9"	End clip	1' - 9"	Int Fastener
120.00	1' - 7"	End clip	1' - 8"	End clip	1' - 8"	Int Fastener

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 0.5582 in^4/Ft S_{bf} = 0.2322 in^3/Ft S_{bl} = 0.5091 in^3/Ft

A_c = 21.71 in^2/Ft G_c = 751 psi E = 2.95x10^7 psi

F_b = 21100 LB w/Safety Factor = 1.875 F_v = 33.2 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 1884 LB w/Safety Factor = 6 Interior Fastening = 1884 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.13 psf.
5. This table assumes minimum 1/8" Aluminum Supports with a single fastener pullout capacity of 942 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 1.75 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	11' - 10"	Deflection	10' - 3"	Bending	10' - 9"	Bending
25.00	10' - 2"	End clip	9' - 4"	Bending	9' - 9"	Bending
30.00	7' - 11"	End clip	8' - 8"	Bending	8' - 11"	Bending
35.00	6' - 6"	End clip	8' - 1"	Bending	8' - 4"	Bending
40.00	5' - 6"	End clip	7' - 0"	End clip	7' - 0"	End clip
45.00	4' - 9"	End clip	5' - 10"	End clip	5' - 11"	End clip
50.00	4' - 3"	End clip	5' - 0"	End clip	5' - 2"	End clip
55.00	3' - 9"	End clip	4' - 5"	End clip	4' - 6"	End clip
60.00	3' - 5"	End clip	3' - 11"	End clip	4' - 0"	End clip
65.00	3' - 1"	End clip	3' - 6"	End clip	3' - 7"	End clip
70.00	2' - 10"	End clip	3' - 2"	End clip	3' - 3"	End clip
75.00	2' - 8"	End clip	2' - 11"	End clip	3' - 0"	End clip
80.00	2' - 6"	End clip	2' - 8"	End clip	2' - 9"	End clip
85.00	2' - 4"	End clip	2' - 6"	End clip	2' - 7"	End clip
90.00	2' - 2"	End clip	2' - 4"	End clip	2' - 5"	End clip
95.00	2' - 1"	End clip	2' - 2"	End clip	2' - 3"	End clip
100.00	1' - 11"	End clip	2' - 0"	End clip	2' - 1"	End clip
105.00	1' - 10"	End clip	1' - 11"	End clip	2' - 0"	End clip
110.00	1' - 9"	End clip	1' - 10"	End clip	1' - 11"	End clip
115.00	1' - 8"	End clip	1' - 9"	End clip	1' - 9"	End clip
120.00	1' - 7"	End clip	1' - 8"	End clip	1' - 8"	End clip

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 0.5582 in^4/Ft S_{bf} = 0.2322 in^3/Ft S_{bl} = 0.5091 in^3/Ft

A_c = 21.71 in^2/Ft G_c = 751 psi E = 2.95x10^7 psi

F_b = 21100 LB w/Safety Factor = 1.875 F_v = 33.2 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 3362 LB w/Safety Factor = 6 Interior Fastening = 3362 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.13 psf.
5. This table assumes minimum 12 Ga. Steel Supports with a single fastener pullout capacity of 1681 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 1.75 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	11' - 10"	Deflection	10' - 3"	Bending	10' - 9"	Bending
25.00	10' - 2"	End clip	9' - 1"	Int Fastener	9' - 9"	Bending
30.00	7' - 11"	End clip	7' - 8"	Int Fastener	8' - 4"	Int Fastener
35.00	6' - 6"	End clip	6' - 8"	Int Fastener	7' - 2"	Int Fastener
40.00	5' - 6"	End clip	5' - 11"	Int Fastener	6' - 4"	Int Fastener
45.00	4' - 9"	End clip	5' - 4"	Int Fastener	5' - 8"	Int Fastener
50.00	4' - 3"	End clip	4' - 10"	Int Fastener	5' - 1"	Int Fastener
55.00	3' - 9"	End clip	4' - 5"	End clip	4' - 6"	End clip
60.00	3' - 5"	End clip	3' - 11"	End clip	4' - 0"	End clip
65.00	3' - 1"	End clip	3' - 6"	End clip	3' - 7"	End clip
70.00	2' - 10"	End clip	3' - 2"	End clip	3' - 3"	End clip
75.00	2' - 8"	End clip	2' - 11"	End clip	3' - 0"	End clip
80.00	2' - 6"	End clip	2' - 8"	End clip	2' - 9"	End clip
85.00	2' - 4"	End clip	2' - 6"	End clip	2' - 7"	End clip
90.00	2' - 2"	End clip	2' - 4"	End clip	2' - 5"	End clip
95.00	2' - 1"	End clip	2' - 2"	End clip	2' - 3"	End clip
100.00	1' - 11"	End clip	2' - 0"	End clip	2' - 1"	End clip
105.00	1' - 10"	End clip	1' - 11"	End clip	2' - 0"	End clip
110.00	1' - 9"	End clip	1' - 10"	End clip	1' - 11"	End clip
115.00	1' - 8"	End clip	1' - 9"	End clip	1' - 9"	End clip
120.00	1' - 7"	End clip	1' - 8"	End clip	1' - 8"	End clip

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 0.5582 in^4/Ft S_{bf} = 0.2322 in^3/Ft S_{bl} = 0.5091 in^3/Ft

A_c = 21.71 in^2/Ft G_c = 751 psi E = 2.95x10^7 psi

F_b = 21100 LB w/Safety Factor = 1.875 F_v = 33.2 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 2460 LB w/Safety Factor = 6 Interior Fastening = 2460 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.13 psf.
5. This table assumes minimum 14 Ga. Steel Supports with a single fastener pullout capacity of 1230 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 1.75 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	11' - 10"	Deflection	7' - 11"	Int Fastener	8' - 8"	Int Fastener
25.00	10' - 2"	End clip	6' - 6"	Int Fastener	7' - 0"	Int Fastener
30.00	7' - 11"	End clip	5' - 6"	Int Fastener	5' - 10"	Int Fastener
35.00	6' - 6"	End clip	4' - 9"	Int Fastener	5' - 0"	Int Fastener
40.00	5' - 6"	End clip	4' - 3"	Int Fastener	4' - 5"	Int Fastener
45.00	4' - 9"	End clip	3' - 10"	Int Fastener	3' - 11"	Int Fastener
50.00	4' - 3"	End clip	3' - 6"	Int Fastener	3' - 7"	Int Fastener
55.00	3' - 9"	End clip	3' - 2"	Int Fastener	3' - 3"	Int Fastener
60.00	3' - 5"	End clip	2' - 11"	Int Fastener	3' - 0"	Int Fastener
65.00	3' - 1"	End clip	2' - 9"	Int Fastener	2' - 9"	Int Fastener
70.00	2' - 10"	End clip	2' - 7"	Int Fastener	2' - 7"	Int Fastener
75.00	2' - 8"	End clip	2' - 5"	Int Fastener	2' - 5"	Int Fastener
80.00	2' - 6"	End clip	2' - 3"	Int Fastener	2' - 3"	Int Fastener
85.00	2' - 4"	End clip	2' - 2"	Int Fastener	2' - 2"	Int Fastener
90.00	2' - 2"	End clip	2' - 0"	Int Fastener	2' - 0"	Int Fastener
95.00	2' - 1"	End clip	1' - 11"	Int Fastener	1' - 11"	Int Fastener
100.00	1' - 11"	End clip	1' - 10"	Int Fastener	1' - 10"	Int Fastener
105.00	1' - 10"	End clip	1' - 9"	Int Fastener	1' - 9"	Int Fastener
110.00	1' - 9"	End clip	1' - 8"	Int Fastener	1' - 8"	Int Fastener
115.00	1' - 8"	End clip	1' - 7"	Int Fastener	1' - 7"	Int Fastener
120.00	1' - 7"	End clip	1' - 6"	Int Fastener	1' - 6"	Int Fastener

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 0.5582 in^4/Ft S_{bf} = 0.2322 in^3/Ft S_{bl} = 0.5091 in^3/Ft

A_c = 21.71 in^2/Ft G_c = 751 psi E = 2.95x10^7 psi

F_b = 21100 LB w/Safety Factor = 1.875 F_v = 33.2 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 1700 LB w/Safety Factor = 6 Interior Fastening = 1700 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.13 psf.
5. This table assumes minimum 16 Ga. Steel Supports with a single fastener pullout capacity of 850 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 1.75 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	11' - 6"	End Fastener	5' - 1"	Int Fastener	5' - 4"	Int Fastener
25.00	9' - 3"	End Fastener	4' - 2"	Int Fastener	4' - 4"	Int Fastener
30.00	7' - 8"	End Fastener	3' - 6"	Int Fastener	3' - 7"	Int Fastener
35.00	6' - 6"	End clip	3' - 1"	Int Fastener	3' - 1"	Int Fastener
40.00	5' - 6"	End clip	2' - 8"	Int Fastener	2' - 9"	Int Fastener
45.00	4' - 9"	End clip	2' - 5"	Int Fastener	2' - 5"	Int Fastener
50.00	4' - 3"	End clip	2' - 2"	Int Fastener	2' - 3"	Int Fastener
55.00	3' - 9"	End clip	2' - 0"	Int Fastener	2' - 0"	Int Fastener
60.00	3' - 5"	End clip	1' - 10"	Int Fastener	1' - 10"	Int Fastener
65.00	3' - 1"	End clip	1' - 9"	Int Fastener	1' - 9"	Int Fastener
70.00	2' - 10"	End clip	1' - 7"	Int Fastener	1' - 7"	Int Fastener
75.00	2' - 8"	End clip	1' - 6"	Int Fastener	1' - 6"	Int Fastener
80.00	2' - 6"	End clip	1' - 5"	Int Fastener	1' - 5"	Int Fastener
85.00	2' - 4"	End clip	1' - 4"	Int Fastener	1' - 4"	Int Fastener
90.00	2' - 2"	End clip	1' - 3"	Int Fastener	1' - 3"	Int Fastener
95.00	2' - 1"	End clip	1' - 2"	Int Fastener	1' - 2"	Int Fastener
100.00	1' - 11"	End clip	1' - 2"	Int Fastener	1' - 2"	Int Fastener
105.00	1' - 10"	End clip	1' - 1"	Int Fastener	1' - 1"	Int Fastener
110.00	1' - 9"	End clip	1' - 0"	Int Fastener	1' - 0"	Int Fastener
115.00	1' - 8"	End clip	1' - 0"	Int Fastener	1' - 0"	Int Fastener
120.00	1' - 7"	End clip	0' - 11"	Int Fastener	0' - 11"	Int Fastener

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 0.5582 in^4/Ft S_{bf} = 0.2322 in^3/Ft S_{bl} = 0.5091 in^3/Ft

A_c = 21.71 in^2/Ft G_c = 751 psi E = 2.95x10^7 psi

F_b = 21100 LB w/Safety Factor = 1.875 F_v = 33.2 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 1036 LB w/Safety Factor = 6 Interior Fastening = 1036 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.13 psf.
5. This table assumes minimum 18 Ga. Steel Supports with a single fastener pullout capacity of 518 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 2.50 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	13' - 11"	End clip	12' - 10"	Bending	13' - 7"	Bending
25.00	11' - 2"	End clip	11' - 8"	Bending	12' - 3"	Bending
30.00	9' - 2"	End clip	10' - 10"	Bending	11' - 3"	Bending
35.00	7' - 7"	End clip	9' - 9"	End clip	9' - 7"	End clip
40.00	6' - 6"	End clip	8' - 1"	End clip	8' - 1"	End clip
45.00	5' - 8"	End clip	6' - 10"	End clip	6' - 11"	End clip
50.00	5' - 1"	End clip	5' - 11"	End clip	6' - 1"	End clip
55.00	4' - 7"	End clip	5' - 2"	End clip	5' - 4"	End clip
60.00	4' - 2"	End clip	4' - 8"	End clip	4' - 10"	End clip
65.00	3' - 9"	End clip	4' - 2"	End clip	4' - 4"	End clip
70.00	3' - 6"	End clip	3' - 10"	End clip	4' - 0"	End clip
75.00	3' - 3"	End clip	3' - 6"	End clip	3' - 8"	End clip
80.00	3' - 0"	End clip	3' - 3"	End clip	3' - 4"	End clip
85.00	2' - 10"	End clip	3' - 0"	End clip	3' - 1"	End clip
90.00	2' - 8"	End clip	2' - 10"	End clip	2' - 11"	End clip
95.00	2' - 6"	End clip	2' - 8"	End clip	2' - 9"	End clip
100.00	2' - 5"	End clip	2' - 6"	End clip	2' - 7"	End clip
105.00	2' - 3"	End clip	2' - 4"	End clip	2' - 5"	End clip
110.00	2' - 2"	End clip	2' - 3"	End clip	2' - 4"	End clip
115.00	2' - 1"	End clip	2' - 2"	End clip	2' - 2"	End clip
120.00	2' - 0"	End clip	2' - 0"	End clip	2' - 1"	End clip

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 0.9904 in^4/Ft S_{bf} = 0.3591 in^3/Ft S_{bl} = 0.6637 in^3/Ft

A_c = 30.71 in^2/Ft G_c = 624 psi E = 2.95x10^7 psi

F_b = 21769 LB w/Safety Factor = 1.875 F_v = 30.6 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 6358 LB w/Safety Factor = 6 Interior Fastening = 6358 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.32 psf.
5. This table assumes minimum 1/4" Steel Supports with a single fastener pullout capacity of 3179 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 2.50 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	13' - 11"	End clip	12' - 10"	Bending	13' - 7"	Bending
25.00	11' - 2"	End clip	11' - 8"	Bending	12' - 3"	Bending
30.00	9' - 2"	End clip	10' - 10"	Bending	11' - 3"	Bending
35.00	7' - 7"	End clip	9' - 9"	End clip	9' - 7"	End clip
40.00	6' - 6"	End clip	8' - 1"	End clip	8' - 1"	End clip
45.00	5' - 8"	End clip	6' - 10"	End clip	6' - 11"	End clip
50.00	5' - 1"	End clip	5' - 11"	End clip	6' - 1"	End clip
55.00	4' - 7"	End clip	5' - 2"	End clip	5' - 4"	End clip
60.00	4' - 2"	End clip	4' - 8"	End clip	4' - 10"	End clip
65.00	3' - 9"	End clip	4' - 2"	End clip	4' - 4"	End clip
70.00	3' - 6"	End clip	3' - 10"	End clip	4' - 0"	End clip
75.00	3' - 3"	End clip	3' - 6"	End clip	3' - 8"	End clip
80.00	3' - 0"	End clip	3' - 3"	End clip	3' - 4"	End clip
85.00	2' - 10"	End clip	3' - 0"	End clip	3' - 1"	End clip
90.00	2' - 8"	End clip	2' - 10"	End clip	2' - 11"	End clip
95.00	2' - 6"	End clip	2' - 8"	End clip	2' - 9"	End clip
100.00	2' - 5"	End clip	2' - 6"	End clip	2' - 7"	End clip
105.00	2' - 3"	End clip	2' - 4"	End clip	2' - 5"	End clip
110.00	2' - 2"	End clip	2' - 3"	End clip	2' - 4"	End clip
115.00	2' - 1"	End clip	2' - 2"	End clip	2' - 2"	End clip
120.00	2' - 0"	End clip	2' - 0"	End clip	2' - 1"	End clip

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 0.9904 in^4/Ft S_{bf} = 0.3591 in^3/Ft S_{bl} = 0.6637 in^3/Ft

A_c = 30.71 in^2/Ft G_c = 624 psi E = 2.95x10^7 psi

F_b = 21769 LB w/Safety Factor = 1.875 F_v = 30.6 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 5320 LB w/Safety Factor = 6 Interior Fastening = 5320 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.32 psf.
5. This table assumes minimum 3/16" Steel Supports with a single fastener pullout capacity of 2660 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 2.50 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	13' - 11"	End clip	12' - 10"	Bending	13' - 7"	Bending
25.00	11' - 2"	End clip	11' - 8"	Bending	12' - 3"	Bending
30.00	9' - 2"	End clip	10' - 10"	Bending	11' - 3"	Bending
35.00	7' - 7"	End clip	9' - 9"	End clip	9' - 7"	End clip
40.00	6' - 6"	End clip	8' - 1"	End clip	8' - 1"	End clip
45.00	5' - 8"	End clip	6' - 10"	End clip	6' - 11"	End clip
50.00	5' - 1"	End clip	5' - 11"	End clip	6' - 1"	End clip
55.00	4' - 7"	End clip	5' - 2"	End clip	5' - 4"	End clip
60.00	4' - 2"	End clip	4' - 8"	End clip	4' - 10"	End clip
65.00	3' - 9"	End clip	4' - 2"	End clip	4' - 4"	End clip
70.00	3' - 6"	End clip	3' - 10"	End clip	4' - 0"	End clip
75.00	3' - 3"	End clip	3' - 6"	End clip	3' - 8"	End clip
80.00	3' - 0"	End clip	3' - 3"	End clip	3' - 4"	End clip
85.00	2' - 10"	End clip	3' - 0"	End clip	3' - 1"	End clip
90.00	2' - 8"	End clip	2' - 10"	End clip	2' - 11"	End clip
95.00	2' - 6"	End clip	2' - 8"	End clip	2' - 9"	End clip
100.00	2' - 5"	End clip	2' - 6"	End clip	2' - 7"	End clip
105.00	2' - 3"	End clip	2' - 4"	End clip	2' - 5"	End clip
110.00	2' - 2"	End clip	2' - 3"	End clip	2' - 4"	End clip
115.00	2' - 1"	End clip	2' - 2"	End clip	2' - 2"	End clip
120.00	2' - 0"	End clip	2' - 0"	End clip	2' - 1"	End clip

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 0.9904 in^4/Ft S_{bf} = 0.3591 in^3/Ft S_{bl} = 0.6637 in^3/Ft

A_c = 30.71 in^2/Ft G_c = 624 psi E = 2.95x10^7 psi

F_b = 21769 LB w/Safety Factor = 1.875 F_v = 30.6 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 3684 LB w/Safety Factor = 6 Interior Fastening = 3684 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.32 psf.
5. This table assumes minimum 3/16" Aluminum Supports with a single fastener pullout capacity of 1842 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 2.50 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	13' - 11"	End clip	12' - 10"	Bending	13' - 7"	Bending
25.00	11' - 2"	End clip	11' - 8"	Bending	12' - 3"	Bending
30.00	9' - 2"	End clip	10' - 10"	Bending	11' - 3"	Bending
35.00	7' - 7"	End clip	9' - 6"	Int Fastener	9' - 7"	End clip
40.00	6' - 6"	End clip	8' - 1"	End clip	8' - 1"	End clip
45.00	5' - 8"	End clip	6' - 10"	End clip	6' - 11"	End clip
50.00	5' - 1"	End clip	5' - 11"	End clip	6' - 1"	End clip
55.00	4' - 7"	End clip	5' - 2"	End clip	5' - 4"	End clip
60.00	4' - 2"	End clip	4' - 8"	End clip	4' - 10"	End clip
65.00	3' - 9"	End clip	4' - 2"	End clip	4' - 4"	End clip
70.00	3' - 6"	End clip	3' - 10"	End clip	4' - 0"	End clip
75.00	3' - 3"	End clip	3' - 6"	End clip	3' - 8"	End clip
80.00	3' - 0"	End clip	3' - 3"	End clip	3' - 4"	End clip
85.00	2' - 10"	End clip	3' - 0"	End clip	3' - 1"	End clip
90.00	2' - 8"	End clip	2' - 10"	End clip	2' - 11"	End clip
95.00	2' - 6"	End clip	2' - 8"	End clip	2' - 9"	End clip
100.00	2' - 5"	End clip	2' - 6"	End clip	2' - 7"	End clip
105.00	2' - 3"	End clip	2' - 4"	End clip	2' - 5"	End clip
110.00	2' - 2"	End clip	2' - 3"	End clip	2' - 4"	End clip
115.00	2' - 1"	End clip	2' - 2"	End clip	2' - 2"	End clip
120.00	2' - 0"	End clip	2' - 0"	End clip	2' - 1"	End clip

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 0.9904 in^4/Ft S_{bf} = 0.3591 in^3/Ft S_{bl} = 0.6637 in^3/Ft

A_c = 30.71 in^2/Ft G_c = 624 psi E = 2.95x10^7 psi

F_b = 21769 LB w/Safety Factor = 1.875 F_v = 30.6 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 3560 LB w/Safety Factor = 6 Interior Fastening = 3560 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.32 psf.
5. This table assumes minimum 1/8" Steel Supports with a single fastener pullout capacity of 1780 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 2.50 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	13' - 11"	End clip	8' - 11"	Int Fastener	9' - 7"	Int Fastener
25.00	11' - 2"	End clip	7' - 3"	Int Fastener	7' - 9"	Int Fastener
30.00	9' - 2"	End clip	6' - 2"	Int Fastener	6' - 6"	Int Fastener
35.00	7' - 7"	End clip	5' - 4"	Int Fastener	5' - 7"	Int Fastener
40.00	6' - 6"	End clip	4' - 9"	Int Fastener	4' - 11"	Int Fastener
45.00	5' - 8"	End clip	4' - 3"	Int Fastener	4' - 5"	Int Fastener
50.00	5' - 1"	End clip	3' - 10"	Int Fastener	4' - 0"	Int Fastener
55.00	4' - 7"	End clip	3' - 7"	Int Fastener	3' - 7"	Int Fastener
60.00	4' - 2"	End clip	3' - 3"	Int Fastener	3' - 4"	Int Fastener
65.00	3' - 9"	End clip	3' - 1"	Int Fastener	3' - 1"	Int Fastener
70.00	3' - 6"	End clip	2' - 10"	Int Fastener	2' - 11"	Int Fastener
75.00	3' - 3"	End clip	2' - 8"	Int Fastener	2' - 8"	Int Fastener
80.00	3' - 0"	End clip	2' - 6"	Int Fastener	2' - 6"	Int Fastener
85.00	2' - 10"	End clip	2' - 4"	Int Fastener	2' - 5"	Int Fastener
90.00	2' - 8"	End clip	2' - 3"	Int Fastener	2' - 3"	Int Fastener
95.00	2' - 6"	End clip	2' - 2"	Int Fastener	2' - 2"	Int Fastener
100.00	2' - 5"	End clip	2' - 0"	Int Fastener	2' - 1"	Int Fastener
105.00	2' - 3"	End clip	1' - 11"	Int Fastener	1' - 11"	Int Fastener
110.00	2' - 2"	End clip	1' - 10"	Int Fastener	1' - 10"	Int Fastener
115.00	2' - 1"	End clip	1' - 9"	Int Fastener	1' - 9"	Int Fastener
120.00	2' - 0"	End clip	1' - 8"	Int Fastener	1' - 9"	Int Fastener

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 0.9904 in^4/Ft S_{bf} = 0.3591 in^3/Ft S_{bl} = 0.6637 in^3/Ft

A_c = 30.71 in^2/Ft G_c = 624 psi E = 2.95x10^7 psi

F_b = 21769 LB w/Safety Factor = 1.875 F_v = 30.6 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 1884 LB w/Safety Factor = 6 Interior Fastening = 1884 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.32 psf.
5. This table assumes minimum 1/8" Aluminum Supports with a single fastener pullout capacity of 942 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 2.50 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	13' - 11"	End clip	12' - 10"	Bending	13' - 7"	Bending
25.00	11' - 2"	End clip	11' - 8"	Bending	12' - 3"	Bending
30.00	9' - 2"	End clip	10' - 5"	Int Fastener	11' - 3"	Bending
35.00	7' - 7"	End clip	9' - 1"	Int Fastener	9' - 7"	End clip
40.00	6' - 6"	End clip	8' - 0"	Int Fastener	8' - 1"	End clip
45.00	5' - 8"	End clip	6' - 10"	End clip	6' - 11"	End clip
50.00	5' - 1"	End clip	5' - 11"	End clip	6' - 1"	End clip
55.00	4' - 7"	End clip	5' - 2"	End clip	5' - 4"	End clip
60.00	4' - 2"	End clip	4' - 8"	End clip	4' - 10"	End clip
65.00	3' - 9"	End clip	4' - 2"	End clip	4' - 4"	End clip
70.00	3' - 6"	End clip	3' - 10"	End clip	4' - 0"	End clip
75.00	3' - 3"	End clip	3' - 6"	End clip	3' - 8"	End clip
80.00	3' - 0"	End clip	3' - 3"	End clip	3' - 4"	End clip
85.00	2' - 10"	End clip	3' - 0"	End clip	3' - 1"	End clip
90.00	2' - 8"	End clip	2' - 10"	End clip	2' - 11"	End clip
95.00	2' - 6"	End clip	2' - 8"	End clip	2' - 9"	End clip
100.00	2' - 5"	End clip	2' - 6"	End clip	2' - 7"	End clip
105.00	2' - 3"	End clip	2' - 4"	End clip	2' - 5"	End clip
110.00	2' - 2"	End clip	2' - 3"	End clip	2' - 4"	End clip
115.00	2' - 1"	End clip	2' - 2"	End clip	2' - 2"	End clip
120.00	2' - 0"	End clip	2' - 0"	End clip	2' - 1"	End clip

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 0.9904 in^4/Ft S_{bf} = 0.3591 in^3/Ft S_{bl} = 0.6637 in^3/Ft

A_c = 30.71 in^2/Ft G_c = 624 psi E = 2.95x10^7 psi

F_b = 21769 LB w/Safety Factor = 1.875 F_v = 30.6 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 3362 LB w/Safety Factor = 6 Interior Fastening = 3362 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.32 psf.
5. This table assumes minimum 12 Ga. Steel Supports with a single fastener pullout capacity of 1681 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 2.50 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	13' - 11"	End clip	11' - 5"	Int Fastener	12' - 6"	Int Fastener
25.00	11' - 2"	End clip	9' - 3"	Int Fastener	10' - 0"	Int Fastener
30.00	9' - 2"	End clip	7' - 10"	Int Fastener	8' - 5"	Int Fastener
35.00	7' - 7"	End clip	6' - 10"	Int Fastener	7' - 3"	Int Fastener
40.00	6' - 6"	End clip	6' - 0"	Int Fastener	6' - 4"	Int Fastener
45.00	5' - 8"	End clip	5' - 5"	Int Fastener	5' - 8"	Int Fastener
50.00	5' - 1"	End clip	4' - 11"	Int Fastener	5' - 1"	Int Fastener
55.00	4' - 7"	End clip	4' - 6"	Int Fastener	4' - 8"	Int Fastener
60.00	4' - 2"	End clip	4' - 2"	Int Fastener	4' - 4"	Int Fastener
65.00	3' - 9"	End clip	3' - 11"	Int Fastener	4' - 0"	Int Fastener
70.00	3' - 6"	End clip	3' - 8"	Int Fastener	3' - 9"	Int Fastener
75.00	3' - 3"	End clip	3' - 5"	Int Fastener	3' - 6"	Int Fastener
80.00	3' - 0"	End clip	3' - 3"	Int Fastener	3' - 3"	Int Fastener
85.00	2' - 10"	End clip	3' - 0"	End clip	3' - 1"	Int Fastener
90.00	2' - 8"	End clip	2' - 10"	End clip	2' - 11"	End clip
95.00	2' - 6"	End clip	2' - 8"	End clip	2' - 9"	End clip
100.00	2' - 5"	End clip	2' - 6"	End clip	2' - 7"	End clip
105.00	2' - 3"	End clip	2' - 4"	End clip	2' - 5"	End clip
110.00	2' - 2"	End clip	2' - 3"	End clip	2' - 4"	End clip
115.00	2' - 1"	End clip	2' - 2"	End clip	2' - 2"	End clip
120.00	2' - 0"	End clip	2' - 0"	End clip	2' - 1"	End clip

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 0.9904 in^4/Ft S_{bf} = 0.3591 in^3/Ft S_{bl} = 0.6637 in^3/Ft

A_c = 30.71 in^2/Ft G_c = 624 psi E = 2.95x10^7 psi

F_b = 21769 LB w/Safety Factor = 1.875 F_v = 30.6 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 2460 LB w/Safety Factor = 6 Interior Fastening = 2460 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.32 psf.
5. This table assumes minimum 14 Ga. Steel Supports with a single fastener pullout capacity of 1230 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 2.50 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	13' - 11"	End clip	8' - 1"	Int Fastener	8' - 8"	Int Fastener
25.00	11' - 2"	End clip	6' - 7"	Int Fastener	7' - 0"	Int Fastener
30.00	9' - 2"	End clip	5' - 7"	Int Fastener	5' - 10"	Int Fastener
35.00	7' - 7"	End clip	4' - 10"	Int Fastener	5' - 1"	Int Fastener
40.00	6' - 6"	End clip	4' - 4"	Int Fastener	4' - 5"	Int Fastener
45.00	5' - 8"	End clip	3' - 11"	Int Fastener	4' - 0"	Int Fastener
50.00	5' - 1"	End clip	3' - 6"	Int Fastener	3' - 7"	Int Fastener
55.00	4' - 7"	End clip	3' - 3"	Int Fastener	3' - 3"	Int Fastener
60.00	4' - 2"	End clip	3' - 0"	Int Fastener	3' - 0"	Int Fastener
65.00	3' - 9"	End clip	2' - 9"	Int Fastener	2' - 10"	Int Fastener
70.00	3' - 6"	End clip	2' - 7"	Int Fastener	2' - 7"	Int Fastener
75.00	3' - 3"	End clip	2' - 5"	Int Fastener	2' - 5"	Int Fastener
80.00	3' - 0"	End clip	2' - 3"	Int Fastener	2' - 4"	Int Fastener
85.00	2' - 10"	End clip	2' - 2"	Int Fastener	2' - 2"	Int Fastener
90.00	2' - 8"	End clip	2' - 0"	Int Fastener	2' - 1"	Int Fastener
95.00	2' - 6"	End clip	1' - 11"	Int Fastener	1' - 11"	Int Fastener
100.00	2' - 5"	End clip	1' - 10"	Int Fastener	1' - 10"	Int Fastener
105.00	2' - 3"	End clip	1' - 9"	Int Fastener	1' - 9"	Int Fastener
110.00	2' - 2"	End clip	1' - 8"	Int Fastener	1' - 8"	Int Fastener
115.00	2' - 1"	End clip	1' - 7"	Int Fastener	1' - 7"	Int Fastener
120.00	2' - 0"	End clip	1' - 7"	Int Fastener	1' - 7"	Int Fastener

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 0.9904 in^4/Ft S_{bf} = 0.3591 in^3/Ft S_{bl} = 0.6637 in^3/Ft

A_c = 30.71 in^2/Ft G_c = 624 psi E = 2.95x10^7 psi

F_b = 21769 LB w/Safety Factor = 1.875 F_v = 30.6 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 1700 LB w/Safety Factor = 6 Interior Fastening = 1700 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.32 psf.
5. This table assumes minimum 16 Ga. Steel Supports with a single fastener pullout capacity of 850 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 2.50 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	11' - 6"	End Fastener	5' - 2"	Int Fastener	5' - 5"	Int Fastener
25.00	9' - 3"	End Fastener	4' - 3"	Int Fastener	4' - 4"	Int Fastener
30.00	7' - 8"	End Fastener	3' - 7"	Int Fastener	3' - 8"	Int Fastener
35.00	6' - 7"	End Fastener	3' - 1"	Int Fastener	3' - 2"	Int Fastener
40.00	5' - 9"	End Fastener	2' - 9"	Int Fastener	2' - 9"	Int Fastener
45.00	5' - 1"	End Fastener	2' - 6"	Int Fastener	2' - 6"	Int Fastener
50.00	4' - 7"	End Fastener	2' - 3"	Int Fastener	2' - 3"	Int Fastener
55.00	4' - 2"	End Fastener	2' - 0"	Int Fastener	2' - 1"	Int Fastener
60.00	3' - 10"	End Fastener	1' - 10"	Int Fastener	1' - 11"	Int Fastener
65.00	3' - 7"	End Fastener	1' - 9"	Int Fastener	1' - 9"	Int Fastener
70.00	3' - 3"	End Fastener	1' - 7"	Int Fastener	1' - 7"	Int Fastener
75.00	3' - 1"	End Fastener	1' - 6"	Int Fastener	1' - 6"	Int Fastener
80.00	2' - 11"	End Fastener	1' - 5"	Int Fastener	1' - 5"	Int Fastener
85.00	2' - 9"	End Fastener	1' - 4"	Int Fastener	1' - 4"	Int Fastener
90.00	2' - 7"	End Fastener	1' - 3"	Int Fastener	1' - 3"	Int Fastener
95.00	2' - 5"	End Fastener	1' - 2"	Int Fastener	1' - 2"	Int Fastener
100.00	2' - 4"	End Fastener	1' - 2"	Int Fastener	1' - 2"	Int Fastener
105.00	2' - 2"	End Fastener	1' - 1"	Int Fastener	1' - 1"	Int Fastener
110.00	2' - 1"	End Fastener	1' - 0"	Int Fastener	1' - 0"	Int Fastener
115.00	2' - 0"	End Fastener	1' - 0"	Int Fastener	1' - 0"	Int Fastener
120.00	1' - 11"	End Fastener	0' - 11"	Int Fastener	0' - 11"	Int Fastener

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 0.9904 in^4/Ft S_{bf} = 0.3591 in^3/Ft S_{bl} = 0.6637 in^3/Ft

A_c = 30.71 in^2/Ft G_c = 624 psi E = 2.95x10^7 psi

F_b = 21769 LB w/Safety Factor = 1.875 F_v = 30.6 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 1036 LB w/Safety Factor = 6 Interior Fastening = 1036 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.32 psf.
5. This table assumes minimum 18 Ga. Steel Supports with a single fastener pullout capacity of 518 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 4.00 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	10' - 0"	End clip	12' - 4"	End clip	12' - 2"	End clip
25.00	8' - 2"	End clip	9' - 7"	End clip	9' - 7"	End clip
30.00	6' - 10"	End clip	7' - 11"	End clip	8' - 0"	End clip
35.00	5' - 11"	End clip	6' - 8"	End clip	6' - 10"	End clip
40.00	5' - 2"	End clip	5' - 9"	End clip	5' - 11"	End clip
45.00	4' - 8"	End clip	5' - 1"	End clip	5' - 3"	End clip
50.00	4' - 2"	End clip	4' - 6"	End clip	4' - 8"	End clip
55.00	3' - 10"	End clip	4' - 1"	End clip	4' - 2"	End clip
60.00	3' - 6"	End clip	3' - 8"	End clip	3' - 10"	End clip
65.00	3' - 3"	End clip	3' - 5"	End clip	3' - 6"	End clip
70.00	3' - 0"	End clip	3' - 2"	End clip	3' - 3"	End clip
75.00	2' - 10"	End clip	2' - 11"	End clip	3' - 0"	End clip
80.00	2' - 8"	End clip	2' - 9"	End clip	2' - 10"	End clip
85.00	2' - 6"	End clip	2' - 7"	End clip	2' - 8"	End clip
90.00	2' - 4"	End clip	2' - 5"	End clip	2' - 6"	End clip
95.00	2' - 3"	End clip	2' - 3"	End clip	2' - 4"	End clip
100.00	2' - 2"	End clip	2' - 2"	End clip	2' - 3"	End clip
105.00	2' - 0"	End clip	2' - 1"	End clip	2' - 1"	End clip
110.00	1' - 11"	End clip	2' - 0"	End clip	2' - 0"	End clip
115.00	1' - 10"	End clip	1' - 11"	End clip	1' - 11"	End clip
120.00	1' - 9"	End clip	1' - 10"	End clip	1' - 10"	End clip

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 2.2738 in^4/Ft S_{bf} = 0.6560 in^3/Ft S_{bl} = 0.9956 in^3/Ft

A_c = 48.71 in^2/Ft G_c = 576 psi E = 2.95x10^7 psi

F_b = 20761 LB w/Safety Factor = 1.875 F_v = 23.2 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 6358 LB w/Safety Factor = 6 Interior Fastening = 6358 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.70 psf.
5. This table assumes minimum 1/4" Steel Supports with a single fastener pullout capacity of 3179 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 4.00 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	10' - 0"	End clip	12' - 4"	End clip	12' - 2"	End clip
25.00	8' - 2"	End clip	9' - 7"	End clip	9' - 7"	End clip
30.00	6' - 10"	End clip	7' - 11"	End clip	8' - 0"	End clip
35.00	5' - 11"	End clip	6' - 8"	End clip	6' - 10"	End clip
40.00	5' - 2"	End clip	5' - 9"	End clip	5' - 11"	End clip
45.00	4' - 8"	End clip	5' - 1"	End clip	5' - 3"	End clip
50.00	4' - 2"	End clip	4' - 6"	End clip	4' - 8"	End clip
55.00	3' - 10"	End clip	4' - 1"	End clip	4' - 2"	End clip
60.00	3' - 6"	End clip	3' - 8"	End clip	3' - 10"	End clip
65.00	3' - 3"	End clip	3' - 5"	End clip	3' - 6"	End clip
70.00	3' - 0"	End clip	3' - 2"	End clip	3' - 3"	End clip
75.00	2' - 10"	End clip	2' - 11"	End clip	3' - 0"	End clip
80.00	2' - 8"	End clip	2' - 9"	End clip	2' - 10"	End clip
85.00	2' - 6"	End clip	2' - 7"	End clip	2' - 8"	End clip
90.00	2' - 4"	End clip	2' - 5"	End clip	2' - 6"	End clip
95.00	2' - 3"	End clip	2' - 3"	End clip	2' - 4"	End clip
100.00	2' - 2"	End clip	2' - 2"	End clip	2' - 3"	End clip
105.00	2' - 0"	End clip	2' - 1"	End clip	2' - 1"	End clip
110.00	1' - 11"	End clip	2' - 0"	End clip	2' - 0"	End clip
115.00	1' - 10"	End clip	1' - 11"	End clip	1' - 11"	End clip
120.00	1' - 9"	End clip	1' - 10"	End clip	1' - 10"	End clip

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 2.2738 in^4/Ft S_{bf} = 0.6560 in^3/Ft S_{bl} = 0.9956 in^3/Ft

A_c = 48.71 in^2/Ft G_c = 576 psi E = 2.95x10^7 psi

F_b = 20761 LB w/Safety Factor = 1.875 F_v = 23.2 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 5320 LB w/Safety Factor = 6 Interior Fastening = 5320 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.70 psf.
5. This table assumes minimum 3/16" Steel Supports with a single fastener pullout capacity of 2660 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 4.00 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	10' - 0"	End clip	12' - 4"	End clip	12' - 2"	End clip
25.00	8' - 2"	End clip	9' - 7"	End clip	9' - 7"	End clip
30.00	6' - 10"	End clip	7' - 11"	End clip	8' - 0"	End clip
35.00	5' - 11"	End clip	6' - 8"	End clip	6' - 10"	End clip
40.00	5' - 2"	End clip	5' - 9"	End clip	5' - 11"	End clip
45.00	4' - 8"	End clip	5' - 1"	End clip	5' - 3"	End clip
50.00	4' - 2"	End clip	4' - 6"	End clip	4' - 8"	End clip
55.00	3' - 10"	End clip	4' - 1"	End clip	4' - 2"	End clip
60.00	3' - 6"	End clip	3' - 8"	End clip	3' - 10"	End clip
65.00	3' - 3"	End clip	3' - 5"	End clip	3' - 6"	End clip
70.00	3' - 0"	End clip	3' - 2"	End clip	3' - 3"	End clip
75.00	2' - 10"	End clip	2' - 11"	End clip	3' - 0"	End clip
80.00	2' - 8"	End clip	2' - 9"	End clip	2' - 10"	End clip
85.00	2' - 6"	End clip	2' - 7"	End clip	2' - 8"	End clip
90.00	2' - 4"	End clip	2' - 5"	End clip	2' - 6"	End clip
95.00	2' - 3"	End clip	2' - 3"	End clip	2' - 4"	End clip
100.00	2' - 2"	End clip	2' - 2"	End clip	2' - 3"	End clip
105.00	2' - 0"	End clip	2' - 1"	End clip	2' - 1"	End clip
110.00	1' - 11"	End clip	2' - 0"	End clip	2' - 0"	End clip
115.00	1' - 10"	End clip	1' - 11"	End clip	1' - 11"	End clip
120.00	1' - 9"	End clip	1' - 10"	End clip	1' - 10"	End clip

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 2.2738 in^4/Ft S_{bf} = 0.6560 in^3/Ft S_{bl} = 0.9956 in^3/Ft

A_c = 48.71 in^2/Ft G_c = 576 psi E = 2.95x10^7 psi

F_b = 20761 LB w/Safety Factor = 1.875 F_v = 23.2 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 3684 LB w/Safety Factor = 6 Interior Fastening = 3684 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.70 psf.
5. This table assumes minimum 3/16" Aluminum Supports with a single fastener pullout capacity of 1842 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 4.00 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	10' - 0"	End clip	12' - 4"	End clip	12' - 2"	End clip
25.00	8' - 2"	End clip	9' - 7"	End clip	9' - 7"	End clip
30.00	6' - 10"	End clip	7' - 11"	End clip	8' - 0"	End clip
35.00	5' - 11"	End clip	6' - 8"	End clip	6' - 10"	End clip
40.00	5' - 2"	End clip	5' - 9"	End clip	5' - 11"	End clip
45.00	4' - 8"	End clip	5' - 1"	End clip	5' - 3"	End clip
50.00	4' - 2"	End clip	4' - 6"	End clip	4' - 8"	End clip
55.00	3' - 10"	End clip	4' - 1"	End clip	4' - 2"	End clip
60.00	3' - 6"	End clip	3' - 8"	End clip	3' - 10"	End clip
65.00	3' - 3"	End clip	3' - 5"	End clip	3' - 6"	End clip
70.00	3' - 0"	End clip	3' - 2"	End clip	3' - 3"	End clip
75.00	2' - 10"	End clip	2' - 11"	End clip	3' - 0"	End clip
80.00	2' - 8"	End clip	2' - 9"	End clip	2' - 10"	End clip
85.00	2' - 6"	End clip	2' - 7"	End clip	2' - 8"	End clip
90.00	2' - 4"	End clip	2' - 5"	End clip	2' - 6"	End clip
95.00	2' - 3"	End clip	2' - 3"	End clip	2' - 4"	End clip
100.00	2' - 2"	End clip	2' - 2"	End clip	2' - 3"	End clip
105.00	2' - 0"	End clip	2' - 1"	End clip	2' - 1"	End clip
110.00	1' - 11"	End clip	2' - 0"	End clip	2' - 0"	End clip
115.00	1' - 10"	End clip	1' - 11"	End clip	1' - 11"	End clip
120.00	1' - 9"	End clip	1' - 10"	End clip	1' - 10"	End clip

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 2.2738 in^4/Ft S_{bf} = 0.6560 in^3/Ft S_{bl} = 0.9956 in^3/Ft

A_c = 48.71 in^2/Ft G_c = 576 psi E = 2.95x10^7 psi

F_b = 20761 LB w/Safety Factor = 1.875 F_v = 23.2 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 3560 LB w/Safety Factor = 6 Interior Fastening = 3560 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.70 psf.
5. This table assumes minimum 1/8" Steel Supports with a single fastener pullout capacity of 1780 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 4.00 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	10' - 0"	End clip	9' - 1"	Int Fastener	9' - 8"	Int Fastener
25.00	8' - 2"	End clip	7' - 5"	Int Fastener	7' - 9"	Int Fastener
30.00	6' - 10"	End clip	6' - 3"	Int Fastener	6' - 6"	Int Fastener
35.00	5' - 11"	End clip	5' - 6"	Int Fastener	5' - 8"	Int Fastener
40.00	5' - 2"	End clip	4' - 10"	Int Fastener	5' - 0"	Int Fastener
45.00	4' - 8"	End clip	4' - 4"	Int Fastener	4' - 5"	Int Fastener
50.00	4' - 2"	End clip	3' - 11"	Int Fastener	4' - 0"	Int Fastener
55.00	3' - 10"	End clip	3' - 7"	Int Fastener	3' - 8"	Int Fastener
60.00	3' - 6"	End clip	3' - 4"	Int Fastener	3' - 4"	Int Fastener
65.00	3' - 3"	End clip	3' - 1"	Int Fastener	3' - 1"	Int Fastener
70.00	3' - 0"	End clip	2' - 11"	Int Fastener	2' - 11"	Int Fastener
75.00	2' - 10"	End clip	2' - 8"	Int Fastener	2' - 9"	Int Fastener
80.00	2' - 8"	End clip	2' - 7"	Int Fastener	2' - 7"	Int Fastener
85.00	2' - 6"	End clip	2' - 5"	Int Fastener	2' - 5"	Int Fastener
90.00	2' - 4"	End clip	2' - 3"	Int Fastener	2' - 3"	Int Fastener
95.00	2' - 3"	End clip	2' - 2"	Int Fastener	2' - 2"	Int Fastener
100.00	2' - 2"	End clip	2' - 1"	Int Fastener	2' - 1"	Int Fastener
105.00	2' - 0"	End clip	1' - 11"	Int Fastener	2' - 0"	Int Fastener
110.00	1' - 11"	End clip	1' - 10"	Int Fastener	1' - 10"	Int Fastener
115.00	1' - 10"	End clip	1' - 10"	Int Fastener	1' - 10"	Int Fastener
120.00	1' - 9"	End clip	1' - 9"	Int Fastener	1' - 9"	Int Fastener

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 2.2738 in^4/Ft S_{bf} = 0.6560 in^3/Ft S_{bl} = 0.9956 in^3/Ft

A_c = 48.71 in^2/Ft G_c = 576 psi E = 2.95x10^7 psi

F_b = 20761 LB w/Safety Factor = 1.875 F_v = 23.2 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 1884 LB w/Safety Factor = 6 Interior Fastening = 1884 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.70 psf.
5. This table assumes minimum 1/8" Aluminum Supports with a single fastener pullout capacity of 942 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 4.00 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	10' - 0"	End clip	12' - 4"	End clip	12' - 2"	End clip
25.00	8' - 2"	End clip	9' - 7"	End clip	9' - 7"	End clip
30.00	6' - 10"	End clip	7' - 11"	End clip	8' - 0"	End clip
35.00	5' - 11"	End clip	6' - 8"	End clip	6' - 10"	End clip
40.00	5' - 2"	End clip	5' - 9"	End clip	5' - 11"	End clip
45.00	4' - 8"	End clip	5' - 1"	End clip	5' - 3"	End clip
50.00	4' - 2"	End clip	4' - 6"	End clip	4' - 8"	End clip
55.00	3' - 10"	End clip	4' - 1"	End clip	4' - 2"	End clip
60.00	3' - 6"	End clip	3' - 8"	End clip	3' - 10"	End clip
65.00	3' - 3"	End clip	3' - 5"	End clip	3' - 6"	End clip
70.00	3' - 0"	End clip	3' - 2"	End clip	3' - 3"	End clip
75.00	2' - 10"	End clip	2' - 11"	End clip	3' - 0"	End clip
80.00	2' - 8"	End clip	2' - 9"	End clip	2' - 10"	End clip
85.00	2' - 6"	End clip	2' - 7"	End clip	2' - 8"	End clip
90.00	2' - 4"	End clip	2' - 5"	End clip	2' - 6"	End clip
95.00	2' - 3"	End clip	2' - 3"	End clip	2' - 4"	End clip
100.00	2' - 2"	End clip	2' - 2"	End clip	2' - 3"	End clip
105.00	2' - 0"	End clip	2' - 1"	End clip	2' - 1"	End clip
110.00	1' - 11"	End clip	2' - 0"	End clip	2' - 0"	End clip
115.00	1' - 10"	End clip	1' - 11"	End clip	1' - 11"	End clip
120.00	1' - 9"	End clip	1' - 10"	End clip	1' - 10"	End clip

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 2.2738 in^4/Ft S_{bf} = 0.6560 in^3/Ft S_{bl} = 0.9956 in^3/Ft

A_c = 48.71 in^2/Ft G_c = 576 psi E = 2.95x10^7 psi

F_b = 20761 LB w/Safety Factor = 1.875 F_v = 23.2 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 3362 LB w/Safety Factor = 6 Interior Fastening = 3362 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.70 psf.
5. This table assumes minimum 12 Ga. Steel Supports with a single fastener pullout capacity of 1681 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 4.00 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	10' - 0"	End clip	11' - 7"	Int Fastener	12' - 2"	End clip
25.00	8' - 2"	End clip	9' - 5"	Int Fastener	9' - 7"	End clip
30.00	6' - 10"	End clip	7' - 11"	End clip	8' - 0"	End clip
35.00	5' - 11"	End clip	6' - 8"	End clip	6' - 10"	End clip
40.00	5' - 2"	End clip	5' - 9"	End clip	5' - 11"	End clip
45.00	4' - 8"	End clip	5' - 1"	End clip	5' - 3"	End clip
50.00	4' - 2"	End clip	4' - 6"	End clip	4' - 8"	End clip
55.00	3' - 10"	End clip	4' - 1"	End clip	4' - 2"	End clip
60.00	3' - 6"	End clip	3' - 8"	End clip	3' - 10"	End clip
65.00	3' - 3"	End clip	3' - 5"	End clip	3' - 6"	End clip
70.00	3' - 0"	End clip	3' - 2"	End clip	3' - 3"	End clip
75.00	2' - 10"	End clip	2' - 11"	End clip	3' - 0"	End clip
80.00	2' - 8"	End clip	2' - 9"	End clip	2' - 10"	End clip
85.00	2' - 6"	End clip	2' - 7"	End clip	2' - 8"	End clip
90.00	2' - 4"	End clip	2' - 5"	End clip	2' - 6"	End clip
95.00	2' - 3"	End clip	2' - 3"	End clip	2' - 4"	End clip
100.00	2' - 2"	End clip	2' - 2"	End clip	2' - 3"	End clip
105.00	2' - 0"	End clip	2' - 1"	End clip	2' - 1"	End clip
110.00	1' - 11"	End clip	2' - 0"	End clip	2' - 0"	End clip
115.00	1' - 10"	End clip	1' - 11"	End clip	1' - 11"	End clip
120.00	1' - 9"	End clip	1' - 10"	End clip	1' - 10"	End clip

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 2.2738 in^4/Ft S_{bf} = 0.6560 in^3/Ft S_{bl} = 0.9956 in^3/Ft

A_c = 48.71 in^2/Ft G_c = 576 psi E = 2.95x10^7 psi

F_b = 20761 LB w/Safety Factor = 1.875 F_v = 23.2 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 2460 LB w/Safety Factor = 6 Interior Fastening = 2460 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.70 psf.
5. This table assumes minimum 14 Ga. Steel Supports with a single fastener pullout capacity of 1230 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 4.00 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	10' - 0"	End clip	8' - 3"	Int Fastener	8' - 9"	Int Fastener
25.00	8' - 2"	End clip	6' - 9"	Int Fastener	7' - 1"	Int Fastener
30.00	6' - 10"	End clip	5' - 9"	Int Fastener	5' - 11"	Int Fastener
35.00	5' - 11"	End clip	5' - 0"	Int Fastener	5' - 1"	Int Fastener
40.00	5' - 2"	End clip	4' - 5"	Int Fastener	4' - 6"	Int Fastener
45.00	4' - 8"	End clip	4' - 0"	Int Fastener	4' - 0"	Int Fastener
50.00	4' - 2"	End clip	3' - 7"	Int Fastener	3' - 8"	Int Fastener
55.00	3' - 10"	End clip	3' - 3"	Int Fastener	3' - 4"	Int Fastener
60.00	3' - 6"	End clip	3' - 0"	Int Fastener	3' - 1"	Int Fastener
65.00	3' - 3"	End clip	2' - 10"	Int Fastener	2' - 10"	Int Fastener
70.00	3' - 0"	End clip	2' - 7"	Int Fastener	2' - 8"	Int Fastener
75.00	2' - 10"	End clip	2' - 5"	Int Fastener	2' - 6"	Int Fastener
80.00	2' - 8"	End clip	2' - 4"	Int Fastener	2' - 4"	Int Fastener
85.00	2' - 6"	End clip	2' - 2"	Int Fastener	2' - 2"	Int Fastener
90.00	2' - 4"	End clip	2' - 1"	Int Fastener	2' - 1"	Int Fastener
95.00	2' - 3"	End clip	1' - 11"	Int Fastener	1' - 11"	Int Fastener
100.00	2' - 2"	End clip	1' - 10"	Int Fastener	1' - 10"	Int Fastener
105.00	2' - 0"	End clip	1' - 9"	Int Fastener	1' - 9"	Int Fastener
110.00	1' - 11"	End clip	1' - 8"	Int Fastener	1' - 8"	Int Fastener
115.00	1' - 10"	End clip	1' - 7"	Int Fastener	1' - 7"	Int Fastener
120.00	1' - 9"	End clip	1' - 7"	Int Fastener	1' - 7"	Int Fastener

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 2.2738 in^4/Ft S_{bf} = 0.6560 in^3/Ft S_{bl} = 0.9956 in^3/Ft

A_c = 48.71 in^2/Ft G_c = 576 psi E = 2.95x10^7 psi

F_b = 20761 LB w/Safety Factor = 1.875 F_v = 23.2 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 1700 LB w/Safety Factor = 6 Interior Fastening = 1700 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.70 psf.
5. This table assumes minimum 16 Ga. Steel Supports with a single fastener pullout capacity of 850 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.

VP - 4.00 " - 26 Ga./26 Ga. - 36.00 Horizontal

Wind Load Analysis

CENTRIA

Allowable Loads for Panels of Equal Spans

	Single Span		Double Span		Triple Span	
Load	**Span**	**Governing Factor**	**Span**	**Governing Factor**	**Span**	**Governing Factor**
20.00	10' - 0"	End clip	5' - 3"	Int Fastener	5' - 5"	Int Fastener
25.00	8' - 2"	End clip	4' - 4"	Int Fastener	4' - 5"	Int Fastener
30.00	6' - 10"	End clip	3' - 8"	Int Fastener	3' - 8"	Int Fastener
35.00	5' - 11"	End clip	3' - 2"	Int Fastener	3' - 2"	Int Fastener
40.00	5' - 2"	End clip	2' - 9"	Int Fastener	2' - 10"	Int Fastener
45.00	4' - 8"	End clip	2' - 6"	Int Fastener	2' - 6"	Int Fastener
50.00	4' - 2"	End clip	2' - 3"	Int Fastener	2' - 3"	Int Fastener
55.00	3' - 10"	End clip	2' - 1"	Int Fastener	2' - 1"	Int Fastener
60.00	3' - 6"	End clip	1' - 11"	Int Fastener	1' - 11"	Int Fastener
65.00	3' - 3"	End clip	1' - 9"	Int Fastener	1' - 9"	Int Fastener
70.00	3' - 0"	End clip	1' - 7"	Int Fastener	1' - 8"	Int Fastener
75.00	2' - 10"	End clip	1' - 6"	Int Fastener	1' - 6"	Int Fastener
80.00	2' - 8"	End clip	1' - 5"	Int Fastener	1' - 5"	Int Fastener
85.00	2' - 6"	End clip	1' - 4"	Int Fastener	1' - 4"	Int Fastener
90.00	2' - 4"	End clip	1' - 3"	Int Fastener	1' - 3"	Int Fastener
95.00	2' - 3"	End clip	1' - 2"	Int Fastener	1' - 2"	Int Fastener
100.00	2' - 2"	End clip	1' - 2"	Int Fastener	1' - 2"	Int Fastener
105.00	2' - 0"	End clip	1' - 1"	Int Fastener	1' - 1"	Int Fastener
110.00	1' - 11"	End clip	1' - 0"	Int Fastener	1' - 0"	Int Fastener
115.00	1' - 10"	End clip	1' - 0"	Int Fastener	1' - 0"	Int Fastener
120.00	1' - 9"	End clip	0' - 11"	Int Fastener	0' - 11"	Int Fastener

1. Section properties, ultimate values, and safety factors used to generate this table:

I_c = 2.2738 in^4/Ft S_{bf} = 0.6560 in^3/Ft S_{bl} = 0.9956 in^3/Ft

A_c = 48.71 in^2/Ft G_c = 576 psi E = 2.95x10^7 psi

F_b = 20761 LB w/Safety Factor = 1.875 F_v = 23.2 psi w/Safety Factor = 1.875

End Clip varies with span; Safety Factor = 1.875 Interior Clip = 2,084 LB w/Safety Factor = 1.875

End Fastening = 1036 LB w/Safety Factor = 6 Interior Fastening = 1036 LB w/Safety Factor = 6

2. An allowable deflection of L/180 was used to generate this table.
3. Panels must be checked independently for thermal stress and manufacturing and shipping considerations.
4. The calculated weight of the panel is 2.70 psf.
5. This table assumes minimum 18 Ga. Steel Supports with a single fastener pullout capacity of 518 lbs.
6. This table assumes 1 interior clip with 2 fastener(s) and 1 end clip with 2 fastener(s).
7. Table based on Allowable Stress Design (ASD).
8. All clip fasteners must be ¼-inch diameter, 300 series stainless steel or CENTRIA approved.
9. Tables are based on allowable stress design, Using CENTRIA Foam Panel Analysis CFPA 5.0 version 2017, prepared on September 19, 2019 by rpkeck.