

PRODUCT EVALUATION REPORT	
Project No.: ACE-2026-157	Report No.: ACE-PER-1155, Rev. 1

Product Description: Exposed Fastener Perforated Aluminum or Stainless-Steel Wall Panels

Product Manufacturer: Centria, 700 State Highway 121 Bypass, Suite 200, Lewisville, TX 75067

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 Category/Sub-Category: Structural Components/Structural Wall

SCOPE: Evaluate CENTRIA's Exposed Fastener Perforated Aluminum or Stainless-Steel Wall Panels for conformance to the 9th Edition (2026) Florida Building Code excluding the High Velocity Hurricane Zone (HVHZ).

DESCRIPTION OF PRODUCT – INSTALLATION REQUIREMENTS:

See Reference 1 for a description of the product, its installation and other pertinent data related to its approved use.

CODE CONFORMANCE:

The 9th Edition (2026) Florida Building Code (FBC) requirements specific to this product that have been met by engineering evaluation (Reference 2.a) and depicted on the manufacturer's installation drawings (Reference 1) are the following.

- 1403.3 Exterior Walls – Wind Resistance
- 1404.5 Exterior Walls – Metal
- Table 1405.2 Minimum Thickness of Weather Coverings
 - Steel must meet or exceed 0.0149" in thickness. Met – see Appendix 1.
 - Aluminum must meet or exceed 0.019" in thickness. Met – see Appendix 1.
- 1405.17 Exterior Walls - Fasteners
- Table 1604.3 Deflection Limits
 - Exterior Walls/Flexible Finishes, deflection for wind loading limited to L/120. Met – see Appendix 2.
- 1609 Wind Loads
- 2002.1 Materials - General
- 2210.1 Cold-Formed Steel, General

The engineering evaluation (Reference 2.a) is based on AISI S100-07/S2-10 or AISI S100-12, North American Specification for the Design of Cold-formed Steel Structural Members or ADM1-2005, 2010 or 2015. The engineering evaluation determines Wind Pressure Loading in PSF. Safety factors are as

prescribed in AISI S100-07/S2-10 or AISI S100-12 and ADM1-2005, 2010 or 2015. Fastener allowable is based on a safety factor of 3. Deflection limitation based on L/120 or L/180.

Testing and engineering evaluation results are summarized in tables in Appendix 2 of this report.

Appendix 1 summarizes the Exposed Fastener Perforated Aluminum or Stainless-Steel Wall Panels material parameters.

See ACE-EER-1155 (Reference 2.b) for equivalency evaluation of AISI S100-07/S2-10 and 12; and ADM-2005, ADM-2010 or ADM-2015.

LIMITATIONS AND CONDITIONS OF USE:

This product evaluation report contains or refers to specifications, technical details and installation details and/or methods that pertain to the proper use and/or installation of the product specified herein. Specific limitations and conditions of its use, including but not limited to the following, are contained in Reference 1 and are the subject of Product Approval in accordance with the State of Florida Product Approval Rule 61G20-3.

- Design Pressure Rating (psf)
- Installation substrate requirements.
- Installation anchor requirements.
- Installation restrictions.
- Product description.
- Product components.

REFERENCES & SUPPORTING DOCUMENTS:

1) Manufacturer's Installation Instructions:

- a) Exposed Fastener Perforated Stainless Steel Wall Panel Installation Drawing, Style-Rib, Econolap $\frac{3}{4}$ ", BR5-36, MR3-36 Styles, signed and sealed by Robert. J. Amoruso, P.E.
- b) Exposed Fastener Perforated Aluminum Wall Panel Installation Drawing, BR5-36, MR3-36 Styles, signed and sealed by Robert. J. Amoruso, P.E.
- c) Exposed Fastener Perforated Aluminum Wall Panel Installation Drawing, Style Rib, signed and sealed by Robert. J. Amoruso, P.E.

2) Reports and Calculations

- a) Report No. ACE-PER-1155, Appendix 2, Panel Span Analysis for Centria Exposed Fastener Aluminum or Stainless-Steel Wall Panels to AISI S100-07/S2-10 or AISI S100-12, North American Specification for the Design of Cold-formed Steel Structural Members or ADM-2005, 2010 or 2015 by Robert J. Amoruso, P.E.
 - i) See Report No. ACE-EER-1155 for equivalency evaluation of AISI S100-07/S2-10 and AISI S100-1.
 - ii) See Report No. ACE-EER-1155 for equivalency evaluation of ADM1 2005, 2010 and 2012.
- b) Report No. ACE-EER-1155, Equivalency Evaluation for Exposed Fastener Aluminum or Stainless-Steel Wall Panels to the 9th Edition (2026) FBC & FRC, Signed & Sealed by Robert J. Amoruso, P.E.

- 3) 9th Edition (2026) Florida Building Code (FBC), Building Volume
- a) 1403.3 Exterior Walls – Wind Resistance
 - b) 1404.5 Exterior Walls – Metal
 - c) Table 1405.2 Minimum Thickness of Weather Coverings
 - i) Steel must meet or exceed 0.0149” in thickness.
 - ii) Aluminum must meet or exceed 0.019” in thickness.
 - d) 1405.17 Exterior Walls - Fasteners
 - e) Table 1604.3 Deflection Limits
 - i) Exterior Walls/Flexible Finishes, deflection for wind loading limited to L/120.
 - f) 1609 Wind Loads
 - g) 2002.1 Structural Aluminum Construction
 - h) 2010.1 Cold-Formed Steel, General
- 4) Standards used in evaluation.
- a) North American Specification for the Design of Cold-formed Steel Structural Members
 - i) AISI S100-07/S2-10
 - ii) AISI S100-12
 - b) Aluminum Design Manual – Part 1 by the Aluminum Association.
 - i) ADM 2005
 - ii) ADM 2010
 - iii) ADM 2015

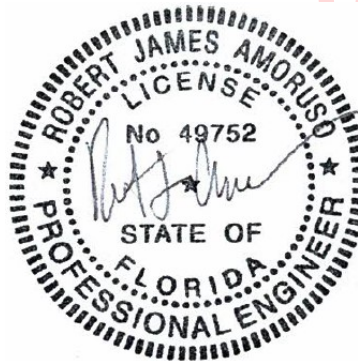
APPENDICES:

- Appendix 1: Exposed Fastener Perforated Aluminum or Stainless-Steel Wall Panel Summary Matrix Table Key – 2 pages
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- Appendix 2: Exposed Fastener Perforated Aluminum or Stainless-Steel Wall Panel Load/Span Tables – 18 pages

**Certificate of Independence per Product
Approval Rule 61G20-3.009**

Robert J. Amoruso, P.E., does not have, nor will he 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 he 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

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

Exposed Fastener Perforated Stainless Steel and Aluminum Wall Panels - Panel Description and Load/Span Table Matrix																
Appendix 2 Page No.	Panel Description								Fasteners				Section Properties (Reduced)			
	SERIES	Description	Configuration	Perforations (%)	IPA Perforations No.	Perforations (Description)	Material	Gauge	Size (#14 used in evaluation)	Support Structure Thickness (GA or IN)	Qty	FS	Weight (psf)	IPA Reduction Factor (I & S)	I (in ⁴)	S (in ³)
1	BR5-36 (40% Perforated)	Stainless Steel Exposed Fastener Metal Wall Panel (40% Perforated)	36" effective width and 5 ribs, each 1-1/2" high	40	113	1/8" dia, 3/16" OC, 40% Area	SS 38 ksi	20	1/4" diameter, #14 screws with 5/8" diameter combination washers.	16 GA	3	3	1.86	0.333/0.310	0.047	0.063
2	BR5-36 (40% Perforated)	Stainless Steel Exposed Fastener Metal Wall Panel (40% Perforated)	36" effective width and 5 ribs, each 1-1/2" high	40	113	1/8" dia, 3/16" OC, 40% Area	SS 38 ksi	20	1/4" diameter, #14 screws with 5/8" diameter combination washers.	3/16"	3	3	1.86	0.333/0.310	0.047	0.063
3	Econolap 3/4 (40% Perforated)	Stainless Steel Exposed Fastener Metal Wall Panel (40% Perforated)	34-2/3" effective width and 13 ribs, each 3/4" high	40	125	3/8" dia, 9/16" OC, 40% Area	SS 38 ksi	20	1/4" diameter, #14 screws with 5/8" diameter combination washers.	16 GA	4	3	1.85	0.333/0.310	0.012	0.032
4	Econolap 3/4 (40% Perforated)	Stainless Steel Exposed Fastener Metal Wall Panel (40% Perforated)	34-2/3" effective width and 13 ribs, each 3/4" high	40	125	3/8" dia, 9/16" OC, 40% Area	SS 38 ksi	20	1/4" diameter, #14 screws with 5/8" diameter combination washers.	3/16"	4	3	1.85	0.333/0.310	0.012	0.032
5	MR3-36 (40% Perforated)	Stainless Steel Exposed Fastener Metal Wall Panel (40% Perforated)	36" effective width and 3 ribs, each 3" high	40	125	3/8" dia, 9/16" OC, 40% Area	SS 38 ksi	20	1/4" diameter, #14 screws with 5/8" diameter combination washers.	16 GA	3	3	1.98	0.333/0.310	0.224	0.117
6	MR3-36 (40% Perforated)	Stainless Steel Exposed Fastener Metal Wall Panel (40% Perforated)	36" effective width and 3 ribs, each 3" high	40	125	3/8" dia, 9/16" OC, 40% Area	SS 38 ksi	20	1/4" diameter, #14 screws with 5/8" diameter combination washers.	3/16"	3	3	1.98	0.333/0.310	0.224	0.117
7	Style-Rib (40% Perforated)	Stainless Steel Exposed Fastener Metal Wall Panel (40% Perforated)	36" effective width and 5 ribs, each 1-1/2" high	40	125	3/8" dia, 9/16" OC, 40% Area	SS 38 ksi	20	1/4" diameter, #14 screws with 5/8" diameter combination washers.	16 GA	3	3	1.78	0.333/0.310	0.047	0.063
8	Style-Rib (40% Perforated)	Stainless Steel Exposed Fastener Metal Wall Panel (40% Perforated)	36" effective width and 5 ribs, each 1-1/2" high	40	125	3/8" dia, 9/16" OC, 40% Area	SS 38 ksi	20	1/4" diameter, #14 screws with 5/8" diameter combination washers.	3/16"	3	3	1.78	0.333/0.310	0.047	0.063
9	MR3-36 (40% Perforated)	Aluminum Exposed Fastener Metal Wall Panel (40% Perforated)	36" effective width and 3 ribs, each 3" deep	40	125	3/8" dia, 9/16" OC, 40% Area	3003-H14 Aluminun	0.040"	1/4" diameter, #14 screws with 5/8" diameter combination washers.	16 GA	3	3	0.74	0.333/0.310	0.218	0.237
10	MR3-36 (40% Perforated)	Aluminum Exposed Fastener Metal Wall Panel (40% Perforated)	36" effective width and 3 ribs, each 3" deep	40	125	3/8" dia, 9/16" OC, 40% Area	3003-H14 Aluminun	0.040"	1/4" diameter, #14 screws with 5/8" diameter combination washers.	3/16"	3	3	0.74	0.333/0.310	0.218	0.237

Exposed Fastener Perforated Stainless Steel and Aluminum Wall Panels - Panel Description and Load/Span Table Matrix																
Appendix 2 Page No.	Panel Description								Fasteners				Section Properties (Reduced)			
	SERIES	Description	Configuration	Perforations (%)	IPA Perforations No.	Perforations (Description)	Material	Gauge	Size (#14 used in evaluation)	Support Structure Thickness (GA or IN)	Qty	FS	Weight (psf)	IPA Reduction Factor (I & S)	I (in ⁴)	S (in ³)
11	MR3-36 (40% Perforated)	Aluminum Exposed Fastener Metal Wall Panel (40% Perforated)	36" effective width and 3 ribs, each 3" deep	40	125	3/8" dia, 9/16" OC, 40% Area	3003-H14 Aluminun	0.040"	1/4" diameter, #14 screws with 5/8" diameter combination washers.	16 GA	6	3	0.74	0.333/0.310	0.218	0.237
12	MR3-36 (40% Perforated)	Aluminum Exposed Fastener Metal Wall Panel (40% Perforated)	36" effective width and 3 ribs, each 3" deep	40	125	3/8" dia, 9/16" OC, 40% Area	3003-H14 Aluminun	0.040"	1/4" diameter, #14 screws with 5/8" diameter combination washers.	3/16"	6	3	0.74	0.333/0.310	0.218	0.237
13	BR5-36 (40% Perforated)	Aluminum Exposed Fastener Metal Wall Panel (40% Perforated)	36" effective width and 5 ribs, each 1-1/2" deep	40	125	3/8" dia, 9/16" OC, 40% Area	3003-H14 Aluminun	0.040"	1/4" diameter, #14 screws with 5/8" diameter combination washers.	16 GA	3	3	0.7	0.333/0.310	0.066	0.132
14	BR5-36 (40% Perforated)	Aluminum Exposed Fastener Metal Wall Panel (40% Perforated)	36" effective width and 5 ribs, each 1-1/2" deep	40	125	3/8" dia, 9/16" OC, 40% Area	3003-H14 Aluminun	0.040"	1/4" diameter, #14 screws with 5/8" diameter combination washers.	3/16"	3	3	0.7	0.333/0.310	0.066	0.132
15	BR5-36 (40% Perforated)	Aluminum Exposed Fastener Metal Wall Panel (40% Perforated)	36" effective width and 5 ribs, each 1-1/2" deep	40	125	3/8" dia, 9/16" OC, 40% Area	3003-H14 Aluminun	0.040"	1/4" diameter, #14 screws with 5/8" diameter combination washers.	16 GA	5	3	0.7	0.333/0.310	0.066	0.132
16	BR5-36 (40% Perforated)	Aluminum Exposed Fastener Metal Wall Panel (40% Perforated)	36" effective width and 5 ribs, each 1-1/2" deep	40	125	3/8" dia, 9/16" OC, 40% Area	3003-H14 Aluminun	0.040"	1/4" diameter, #14 screws with 5/8" diameter combination washers.	3/16"	5	3	0.7	0.333/0.310	0.066	0.132
17	Style-Rib (40% Perforated)	Aluminum Exposed Fastener Metal Wall Panel (40% Perforated)	36" effective width and 5 ribs, each 1-1/2" high	40	125	3/8" dia, 9/16" OC, 40% Area	3003-H14 Aluminun	0.040"	1/4" diameter, #14 screws with 5/8" diameter combination washers.	16 GA	3	3	0.67	0.333/0.310	0.055	0.081
18	Style-Rib (40% Perforated)	Aluminum Exposed Fastener Metal Wall Panel (40% Perforated)	36" effective width and 5 ribs, each 1-1/2" high	40	125	3/8" dia, 9/16" OC, 40% Area	3003-H14 Aluminun	0.040"	1/4" diameter, #14 screws with 5/8" diameter combination washers.	16 GA	5	3	0.67	0.333/0.310	0.055	0.081

WIND LOAD/SPAN TABLE FOR BR5-36 - 20 Ga. 40% PERFORATED*



3 Fasteners per Panel
Safety Factor = 3.00 (Fasteners)

$I_{min} = 0.047 \text{ in}^4/\text{ft}$
 $S_{min} = 0.063 \text{ in}^3/\text{ft}$

Deflection @ L/120
 $F_y = 38 \text{ ksi (SS)}$

Load		Single Span	Double Span	Triple Span	Load		Single Span	Double Span	Triple Span
20	Stress	6.57 g	6.57 g	7.34 g	65	Stress	3.64 g	3.53 a	4.01 a
psf	Defl.	6.75	9.04	8.33	psf	Defl.	4.56	6.11	5.63
25	Stress	5.87 g	5.87 g	6.57 g	70	Stress	3.51 g	3.28 a	3.72 a
psf	Defl.	6.26	8.39	7.74	psf	Defl.	4.44	5.96	5.49
30	Stress	5.36 g	5.36 g	6.00 g	75	Stress	3.39 g	3.06 a	3.47 a
psf	Defl.	5.89	7.90	7.28	psf	Defl.	4.34	5.82	5.36
35	Stress	4.96 g	4.96 g	5.55 g	80	Stress	3.28 g	2.87 a	3.26 a
psf	Defl.	5.60	7.50	6.92	psf	Defl.	4.25	5.70	5.25
40	Stress	4.64 g	4.64 g	5.19 g	85	Stress	3.19 g	2.70 a	3.07 a
psf	Defl.	5.36	7.18	6.61	psf	Defl.	4.17	5.58	5.14
45	Stress	4.38 g	4.38 g	4.89 g	90	Stress	3.10 g	2.55 a	2.90 a
psf	Defl.	5.15	6.90	6.36	psf	Defl.	4.09	5.48	5.05
50	Stress	4.15 g	4.15 g	4.64 g	95	Stress	3.01 g	2.41 a	2.74 a
psf	Defl.	4.97	6.68	6.14	psf	Defl.	4.01	5.38	4.96
55	Stress	3.96 g	3.96 g	4.43 g	100	Stress	2.94 g	2.29 a	2.61 a
psf	Defl.	4.82	6.45	5.95	psf	Defl.	3.95	5.29	4.87
60	Stress	3.79 g	3.79 g	4.24 g	105	Stress	2.87 g	2.18 a	2.48 a
psf	Defl.	4.68	6.27	5.78	psf	Defl.	3.88	5.20	4.80

Explanatory Notes For Load/Span Tables:

- Numbers in the tables indicate distance in feet between adjacent structural girts.
- Span length limitation factors:
Stress limitation uses $.541 \times F_y$ as design stress for wind load.
Deflection limitation uses span / 120.
- Panel weight = 1.86 psf.
- Load/Span tables are based on #14 fasteners with 5/8 in. ϕ combination washers fastened to 16 Ga. minimum thickness steel structural girts.
- Key to failure modes:
a - Fastener pullout from structural girt.
b - Fastener pullover.
g - Bending of panel.
- *Panel is perforated with 1/8" ϕ holes spaced 3/16" on center yielding 40% free area.

3/22/13

WIND LOAD/SPAN TABLE FOR BR5-36 - 20 Ga. 40% PERFORATED*



3 Fasteners per Panel

Safety Factor = 3.00 (Fasteners)

$I_{min} = 0.047 \text{ in}^4/\text{ft}$

$S_{min} = 0.063 \text{ in}^3/\text{ft}$

Deflection @ L/120

$F_y = 38 \text{ ksi (SS)}$

Load		Single Span	Double Span	Triple Span	Load		Single Span	Double Span	Triple Span
20	Stress	6.57 g	6.57 g	7.34 g	65	Stress	3.64 g	3.64 g	4.07 g
psf	Defl.	6.75	9.04	8.33	psf	Defl.	4.56	6.11	5.63
25	Stress	5.87 g	5.87 g	6.57 g	70	Stress	3.51 g	3.51 g	3.92 g
psf	Defl.	6.26	8.39	7.74	psf	Defl.	4.44	5.96	5.49
30	Stress	5.36 g	5.36 g	6.00 g	75	Stress	3.39 g	3.39 g	3.79 g
psf	Defl.	5.89	7.90	7.28	psf	Defl.	4.34	5.82	5.36
35	Stress	4.96 g	4.96 g	5.55 g	80	Stress	3.28 g	3.28 g	3.67 g
psf	Defl.	5.60	7.50	6.92	psf	Defl.	4.25	5.70	5.25
40	Stress	4.64 g	4.64 g	5.19 g	85	Stress	3.19 g	3.19 g	3.56 g
psf	Defl.	5.36	7.18	6.61	psf	Defl.	4.17	5.58	5.14
45	Stress	4.38 g	4.38 g	4.89 g	90	Stress	3.10 g	3.10 g	3.46 g
psf	Defl.	5.15	6.90	6.36	psf	Defl.	4.09	5.48	5.05
50	Stress	4.15 g	4.15 g	4.64 g	95	Stress	3.01 g	3.01 g	3.37 g
psf	Defl.	4.97	6.66	6.14	psf	Defl.	4.01	5.38	4.96
55	Stress	3.96 g	3.96 g	4.43 g	100	Stress	2.94 g	2.94 g	3.28 g
psf	Defl.	4.82	6.45	5.95	psf	Defl.	3.95	5.29	4.87
60	Stress	3.79 g	3.79 g	4.24 g	105	Stress	2.87 g	2.87 g	3.20 g
psf	Defl.	4.68	6.27	5.78	psf	Defl.	3.88	5.20	4.80

Explanatory Notes For Load/Span Tables:

- Numbers in the tables indicate distance in feet between adjacent structural girts.
- Span length limitation factors:
Stress limitation uses $.541 \times F_y$ as design stress for wind load.
Deflection limitation uses $\text{span} / 120$.
- Panel weight = 1.86 psf.
- Load/Span tables are based on #14 fasteners with 5/8 in. ϕ combination washers fastened to 3/16" minimum thickness steel structural girts.
- Key to failure modes:
a - Fastener pullout from structural girt.
b - Fastener pullover.
g - Bending of panel.
- *Panel is perforated with 1/8" ϕ holes spaced 3/16" on center yielding 40% free area.

3/22/13

WIND LOAD/SPAN TABLE FOR Econolap 3/4 - 20 Ga. 40% PERFORATED*



4 Fasteners per Panel
Safety Factor = 3.00 (Fasteners)

$I_{min} = 0.012 \text{ in}^4/\text{ft}$
 $S_{min} = 0.032 \text{ in}^3/\text{ft}$

Deflection @ L/120
 $F_y = 38 \text{ ksi (SS)}$

Load		Single Span	Double Span	Triple Span	Load		Single Span	Double Span	Triple Span
20	Stress	4.70 g	4.70 g	5.26 g	65	Stress	2.61 g	2.61 g	2.92 g
psf	Defl.	4.24	5.68	5.23	psf	Defl.	2.86	3.83	3.53
25	Stress	4.21 g	4.21 g	4.70 g	70	Stress	2.51 g	2.51 g	2.81 g
psf	Defl.	3.93	5.27	4.86	psf	Defl.	2.79	3.74	3.45
30	Stress	3.84 g	3.84 g	4.29 g	75	Stress	2.43 g	2.43 g	2.72 g
psf	Defl.	3.70	4.96	4.57	psf	Defl.	2.73	3.66	3.37
35	Stress	3.56 g	3.56 g	3.98 g	80	Stress	2.35 g	2.35 g	2.63 g
psf	Defl.	3.52	4.71	4.34	psf	Defl.	2.67	3.58	3.30
40	Stress	3.33 g	3.33 g	3.72 g	85	Stress	2.28 g	2.28 g	2.55 g
psf	Defl.	3.36	4.51	4.15	psf	Defl.	2.62	3.51	3.23
45	Stress	3.14 g	3.14 g	3.51 g	90	Stress	2.22 g	2.22 g	2.48 g
psf	Defl.	3.23	4.33	3.99	psf	Defl.	2.57	3.44	3.17
50	Stress	2.98 g	2.98 g	3.33 g	95	Stress	2.16 g	2.16 g	2.41 g
psf	Defl.	3.12	4.18	3.86	psf	Defl.	2.52	3.38	3.11
55	Stress	2.84 g	2.84 g	3.17 g	100	Stress	2.10 g	2.10 g	2.35 g
psf	Defl.	3.02	4.05	3.74	psf	Defl.	2.48	3.32	3.06
60	Stress	2.72 g	2.72 g	3.04 g	105	Stress	2.05 g	2.05 g	2.30 g
psf	Defl.	2.94	3.94	3.63	psf	Defl.	2.44	3.27	3.01

Explanatory Notes For Load/Span Tables:

- Numbers in the tables indicate distance in feet between adjacent structural girts.
- Span length limitation factors:
Stress limitation uses $.541 \times F_y$ as design stress for wind load.
Deflection limitation uses span / 120.
- Panel weight = 1.85 psf.
- Load/Span tables are based on #14 fasteners with 5/8 in. ϕ combination washers fastened to 16 Ga. minimum thickness steel structural girts.
- Key to failure modes:
a - Fastener pullout from structural girt.
b - Fastener pullover.
g - Bending of panel.
- *Panel is perforated with 3/8" ϕ holes spaced 9/16" on center yielding 40% free area.

3/25/13

WIND LOAD/SPAN TABLE FOR Econolap 3/4 - 20 Ga. 40% PERFORATED*



4 Fasteners per Panel

Safety Factor = 3.00 (Fasteners)

$I_{min} = 0.012 \text{ in}^4/\text{ft}$

$S_{min} = 0.032 \text{ in}^3/\text{ft}$

Deflection @ L/120

$F_y = 38 \text{ ksi (SS)}$

Load		Single Span	Double Span	Triple Span	Load		Single Span	Double Span	Triple Span
20	Stress	4.70 g	4.70 g	5.26 g	65	Stress	2.61 g	2.61 g	2.92 g
psf	Defl.	4.24	5.68	5.23	psf	Defl.	2.86	3.83	3.53
25	Stress	4.21 g	4.21 g	4.70 g	70	Stress	2.51 g	2.51 g	2.81 g
psf	Defl.	3.93	5.27	4.86	psf	Defl.	2.79	3.74	3.45
30	Stress	3.84 g	3.84 g	4.29 g	75	Stress	2.43 g	2.43 g	2.72 g
psf	Defl.	3.70	4.96	4.57	psf	Defl.	2.73	3.66	3.37
35	Stress	3.56 g	3.56 g	3.98 g	80	Stress	2.35 g	2.35 g	2.63 g
psf	Defl.	3.52	4.71	4.34	psf	Defl.	2.67	3.58	3.30
40	Stress	3.33 g	3.33 g	3.72 g	85	Stress	2.28 g	2.28 g	2.55 g
psf	Defl.	3.36	4.51	4.15	psf	Defl.	2.62	3.51	3.23
45	Stress	3.14 g	3.14 g	3.51 g	90	Stress	2.22 g	2.22 g	2.48 g
psf	Defl.	3.23	4.33	3.99	psf	Defl.	2.57	3.44	3.17
50	Stress	2.98 g	2.98 g	3.33 g	95	Stress	2.16 g	2.16 g	2.41 g
psf	Defl.	3.12	4.18	3.86	psf	Defl.	2.52	3.38	3.11
55	Stress	2.84 g	2.84 g	3.17 g	100	Stress	2.10 g	2.10 g	2.35 g
psf	Defl.	3.02	4.05	3.74	psf	Defl.	2.48	3.32	3.06
60	Stress	2.72 g	2.72 g	3.04 g	105	Stress	2.05 g	2.05 g	2.30 g
psf	Defl.	2.94	3.94	3.63	psf	Defl.	2.44	3.27	3.01

Explanatory Notes For Load/Span Tables:

- Numbers in the tables indicate distance in feet between adjacent structural girts.
- Span length limitation factors:
Stress limitation uses $.541 \times F_y$ as design stress for wind load.
Deflection limitation uses span / 120.
- Panel weight = 1.85 psf.
- Load/Span tables are based on #14 fasteners with 5/8 in. ϕ combination washers fastened to 3/16" minimum thickness steel structural girts.
- Key to failure modes:
a - Fastener pullout from structural girt.
b - Fastener pullover.
g - Bending of panel.
- *Panel is perforated with 3/8" ϕ holes spaced 9/16" on center yielding 40% free area.

3/25/13

WIND LOAD/SPAN TABLE FOR MR3-36 - 20 Ga. 40% PERFORATED*



3 Fasteners per Panel
Safety Factor = 3.00 (Fasteners)

$I_{min} = 0.224 \text{ in}^4/\text{ft}$
 $S_{min} = 0.117 \text{ in}^3/\text{ft}$

Deflection @ L/120
 $F_y = 38 \text{ ksi (SS)}$

Load		Single Span	Double Span	Triple Span	Load		Single Span	Double Span	Triple Span
20	Stress	8.94 g	8.94 g	9.99 g	65	Stress	4.96 g	3.53 a	4.01 a
psf	Defl.	11.37	15.23	14.04	psf	Defl.	7.67	10.28	9.48
25	Stress	7.99 g	7.99 g	8.94 g	70	Stress	4.78 g	3.28 a	3.72 a
psf	Defl.	10.55	14.14	13.03	psf	Defl.	7.49	10.03	9.25
30	Stress	7.30 g	7.30 g	8.16 g	75	Stress	4.61 g	3.06 a	3.47 a
psf	Defl.	9.93	13.31	12.26	psf	Defl.	7.32	9.81	9.04
35	Stress	6.76 g	6.55 a	7.45 a	80	Stress	4.47 g	2.87 a	3.26 a
psf	Defl.	9.43	12.64	11.65	psf	Defl.	7.16	9.60	8.84
40	Stress	6.32 g	5.73 a	6.52 a	85	Stress	4.34 g	2.70 a	3.07 a
psf	Defl.	9.02	12.09	11.14	psf	Defl.	7.02	9.40	8.67
45	Stress	5.96 g	5.10 a	5.79 a	90	Stress	4.21 g	2.55 a	2.90 a
psf	Defl.	8.67	11.63	10.71	psf	Defl.	6.89	9.23	8.50
50	Stress	5.65 g	4.59 a	5.21 a	95	Stress	4.10 g	2.41 a	2.74 a
psf	Defl.	8.38	11.22	10.34	psf	Defl.	6.76	9.06	8.35
55	Stress	5.39 g	4.17 a	4.74 a	100	Stress	4.00 g	2.29 a	2.61 a
psf	Defl.	8.11	10.87	10.02	psf	Defl.	6.65	8.91	8.21
60	Stress	5.16 g	3.82 a	4.34 a	105	Stress	3.90 g	2.18 a	2.48 a
psf	Defl.	7.88	10.56	9.73	psf	Defl.	6.54	8.77	8.08

Explanatory Notes For Load/Span Tables:

- Numbers in the tables indicate distance in feet between adjacent structural girts.
- Span length limitation factors:
Stress limitation uses $.541 \times F_y$ as design stress for wind load.
Deflection limitation uses span / 120.
- Panel weight = 1.98 psf.
- Load/Span tables are based on #14 fasteners with 5/8 in. ϕ combination washers fastened to 16 Ga. minimum thickness steel structural girts.
- Key to failure modes:
a - Fastener pullout from structural girt.
b - Fastener pullover.
g - Bending of panel.
- *Panel is perforated with 3/8" ϕ holes spaced 9/16" on center yielding 40% free area.

3/25/13

WIND LOAD/SPAN TABLE FOR MR3-36 - 20 Ga. 40% PERFORATED*



3 Fasteners per Panel
Safety Factor = 3.00 (Fasteners)

$I_{min} = 0.224 \text{ in}^4/\text{ft}$
 $S_{min} = 0.117 \text{ in}^3/\text{ft}$

Deflection @ L/120
 $F_y = 38 \text{ ksi (SS)}$

Load		Single Span	Double Span	Triple Span	Load		Single Span	Double Span	Triple Span
20	Stress	8.94 g	8.94 g	9.99 g	65	Stress	4.96 g	4.96 g	5.54 g
psf	Defl.	11.37	15.23	14.04	psf	Defl.	7.67	10.28	9.48
25	Stress	7.99 g	7.99 g	8.94 g	70	Stress	4.78 g	4.78 g	5.34 g
psf	Defl.	10.55	14.14	13.03	psf	Defl.	7.49	10.03	9.25
30	Stress	7.30 g	7.30 g	8.16 g	75	Stress	4.61 g	4.61 g	5.16 g
psf	Defl.	9.93	13.31	12.26	psf	Defl.	7.32	9.81	9.04
35	Stress	6.76 g	6.76 g	7.55 g	80	Stress	4.47 g	4.47 g	5.00 g
psf	Defl.	9.43	12.64	11.65	psf	Defl.	7.16	9.60	8.84
40	Stress	6.32 g	6.32 g	7.07 g	85	Stress	4.34 g	4.34 g	4.85 g
psf	Defl.	9.02	12.09	11.14	psf	Defl.	7.02	9.40	8.67
45	Stress	5.96 g	5.96 g	6.66 g	90	Stress	4.21 g	4.21 g	4.71 g
psf	Defl.	8.67	11.63	10.71	psf	Defl.	6.89	9.23	8.50
50	Stress	5.65 g	5.65 g	6.32 g	95	Stress	4.10 g	4.10 g	4.58 g
psf	Defl.	8.38	11.22	10.34	psf	Defl.	6.76	9.06	8.35
55	Stress	5.39 g	5.39 g	6.03 g	100	Stress	4.00 g	3.91 b	4.45 b
psf	Defl.	8.11	10.87	10.02	psf	Defl.	6.65	8.91	8.21
60	Stress	5.16 g	5.16 g	5.77 g	105	Stress	3.90 g	3.73 b	4.23 b
psf	Defl.	7.88	10.56	9.73	psf	Defl.	6.54	8.77	8.08

Explanatory Notes For Load/Span Tables:

- Numbers in the tables indicate distance in feet between adjacent structural girts.
- Span length limitation factors:
Stress limitation uses $.541 \times F_y$ as design stress for wind load.
Deflection limitation uses span / 120.
- Panel weight = 1.98 psf.
- Load/Span tables are based on #14 fasteners with 5/8 in. ϕ combination washers fastened to 3/16" minimum thickness steel structural girts.
- Key to failure modes:
a - Fastener pullout from structural girt.
b - Fastener pullover.
g - Bending of panel.
- *Panel is perforated with 3/8" ϕ holes spaced 9/16" on center yielding 40% free area.

3/25/13

WIND LOAD/SPAN TABLE FOR

Style-Rib - 20 Ga.

40% PERFORATED*



3 Fasteners per Panel
Safety Factor = 3.00 (Fasteners)

$I_{min} = 0.047 \text{ in}^4/\text{ft}$
 $S_{min} = 0.063 \text{ in}^3/\text{ft}$

Deflection @ L/120
 $F_y = 38 \text{ ksi (SS)}$

Load		Single Span	Double Span	Triple Span	Load		Single Span	Double Span	Triple Span
20	Stress	6.58 g	6.58 g	7.36 g	65	Stress	3.65 g	3.53 a	4.01 a
	psf Defl.	6.76	9.06	8.35		psf Defl.	4.57	6.12	5.64
25	Stress	5.89 g	5.89 g	6.58 g	70	Stress	3.52 g	3.28 a	3.72 a
	psf Defl.	6.28	8.41	7.75		psf Defl.	4.45	5.97	5.50
30	Stress	5.38 g	5.38 g	6.01 g	75	Stress	3.40 g	3.06 a	3.47 a
	psf Defl.	5.91	7.92	7.30		psf Defl.	4.35	5.83	5.38
35	Stress	4.98 g	4.98 g	5.56 g	80	Stress	3.29 g	2.87 a	3.26 a
	psf Defl.	5.61	7.52	6.93		psf Defl.	4.26	5.71	5.26
40	Stress	4.66 g	4.66 g	5.21 g	85	Stress	3.19 g	2.70 a	3.07 a
	psf Defl.	5.37	7.19	6.63		psf Defl.	4.17	5.60	5.16
45	Stress	4.39 g	4.39 g	4.91 g	90	Stress	3.10 g	2.55 a	2.90 a
	psf Defl.	5.16	6.92	6.37		psf Defl.	4.10	5.49	5.06
50	Stress	4.16 g	4.16 g	4.66 g	95	Stress	3.02 g	2.41 a	2.74 a
	psf Defl.	4.98	6.68	6.15		psf Defl.	4.02	5.39	4.97
55	Stress	3.97 g	3.97 g	4.44 g	100	Stress	2.94 g	2.29 a	2.61 a
	psf Defl.	4.83	6.47	5.96		psf Defl.	3.95	5.30	4.88
60	Stress	3.80 g	3.80 g	4.25 g	105	Stress	2.87 g	2.18 a	2.48 a
	psf Defl.	4.69	6.28	5.79		psf Defl.	3.89	5.21	4.81

Explanatory Notes For Load/Span Tables:

- Numbers in the tables indicate distance in feet between adjacent structural girts.
- Span length limitation factors:
 - Stress limitation uses $.541 \times F_y$ as design stress for wind load.
 - Deflection limitation uses span / 120.
- Panel weight = 1.78 psf.
- Load/Span tables are based on #14 fasteners with 5/8 in. $\varnothing$ combination washers fastened to 16 Ga. minimum thickness steel structural girts.
- Key to failure modes:
 - a - Fastener pullout from structural girt.
 - b - Fastener pullover.
 - g - Bending of panel.
- *Panel is perforated with 3/8" $\varnothing$ holes spaced 9/16" on center yielding 40% free area.

3/25/13

WIND LOAD/SPAN TABLE FOR

Style-Rib - 20 Ga.

40% PERFORATED*



3 Fasteners per Panel
Safety Factor = 3.00 (Fasteners)

$I_{min} = 0.047 \text{ in}^4/\text{ft}$
 $S_{min} = 0.063 \text{ in}^3/\text{ft}$

Deflection @ L/120
 $F_y = 38 \text{ ksi (SS)}$

Load		Single Span	Double Span	Triple Span	Load		Single Span	Double Span	Triple Span
20	Stress	6.58 g	6.58 g	7.36 g	65	Stress	3.65 g	3.65 g	4.08 g
psf	Defl.	6.76	9.06	8.35	psf	Defl.	4.57	6.12	5.64
25	Stress	5.89 g	5.89 g	6.58 g	70	Stress	3.52 g	3.52 g	3.94 g
psf	Defl.	6.28	8.41	7.75	psf	Defl.	4.45	5.97	5.50
30	Stress	5.38 g	5.38 g	6.01 g	75	Stress	3.40 g	3.40 g	3.80 g
psf	Defl.	5.91	7.92	7.30	psf	Defl.	4.35	5.83	5.38
35	Stress	4.98 g	4.98 g	5.56 g	80	Stress	3.29 g	3.29 g	3.68 g
psf	Defl.	5.61	7.52	6.93	psf	Defl.	4.26	5.71	5.26
40	Stress	4.66 g	4.66 g	5.21 g	85	Stress	3.19 g	3.19 g	3.57 g
psf	Defl.	5.37	7.19	6.63	psf	Defl.	4.17	5.60	5.16
45	Stress	4.39 g	4.39 g	4.91 g	90	Stress	3.10 g	3.10 g	3.47 g
psf	Defl.	5.16	6.92	6.37	psf	Defl.	4.10	5.49	5.06
50	Stress	4.16 g	4.16 g	4.66 g	95	Stress	3.02 g	3.02 g	3.38 g
psf	Defl.	4.98	6.68	6.15	psf	Defl.	4.02	5.39	4.97
55	Stress	3.97 g	3.97 g	4.44 g	100	Stress	2.94 g	2.94 g	3.29 g
psf	Defl.	4.83	6.47	5.96	psf	Defl.	3.95	5.30	4.88
60	Stress	3.80 g	3.80 g	4.25 g	105	Stress	2.87 g	2.87 g	3.21 g
psf	Defl.	4.69	6.28	5.79	psf	Defl.	3.89	5.21	4.81

Explanatory Notes For Load/Span Tables:

- Numbers in the tables indicate distance in feet between adjacent structural girts.
- Span length limitation factors:
Stress limitation uses $.541 \times F_y$ as design stress for wind load.
Deflection limitation uses span / 120.
- Panel weight = 1.78 psf.
- Load/Span tables are based on #14 fasteners with 5/8 in. ϕ combination washers fastened to 3/16" minimum thickness steel structural girts.
- Key to failure modes:
a - Fastener pullout from structural girt.
b - Fastener pullover.
g - Bending of panel.
- *Panel is perforated with 3/8" ϕ holes spaced 9/16" on center yielding 40% free area.

3/25/13

WIND LOAD/SPAN TABLE FOR

°MR3-36 - .040

40% PERFORATED*



3 Fasteners per Panel
Safety Factor = 3.00 (Fasteners)

$I_{min} = 0.218 \text{ in}^4/\text{ft}$
 $S_{min} = 0.237 \text{ in}^3/\text{ft}$

Deflection @ L/120
Alloy = 3003-H14

Load		Single Span	Double Span	Triple Span	Load		Single Span	Double Span	Triple Span
20	Stress	6.16 g	5.57 b	6.33 b	65	Stress	3.42 g	1.71 b	1.95 b
psf	Defl.	7.88	10.56	9.73	psf	Defl.	5.32	7.13	6.57
25	Stress	5.51 g	4.46 b	5.07 b	70	Stress	3.29 g	1.59 b	1.81 b
psf	Defl.	7.32	9.81	9.04	psf	Defl.	5.19	6.96	6.41
30	Stress	5.03 g	3.72 b	4.22 b	75	Stress	3.18 g	1.49 b	1.69 b
psf	Defl.	6.89	9.23	8.50	psf	Defl.	5.07	6.80	6.27
35	Stress	4.65 g	3.18 b	3.62 b	80	Stress	3.08 g	1.39 b	1.58 b
psf	Defl.	6.54	8.77	8.08	psf	Defl.	4.97	6.65	6.13
40	Stress	4.35 g	2.79 b	3.17 b	85	Stress	2.99 g	1.31 b	1.49 b
psf	Defl.	6.26	8.38	7.73	psf	Defl.	4.87	6.52	6.01
45	Stress	4.10 g	2.48 b	2.81 b	90	Stress	2.90 g	1.24 b	1.41 b
psf	Defl.	6.01	8.06	7.43	psf	Defl.	4.77	6.40	5.90
50	Stress	3.89 g	2.23 b	2.53 b	95	Stress	2.83 g	1.17 b	1.33 b
psf	Defl.	5.81	7.78	7.17	psf	Defl.	4.69	6.28	5.79
55	Stress	3.71 g	2.03 b	2.30 b	100	Stress	2.75 g	1.11 b	1.27 b
psf	Defl.	5.63	7.54	6.95	psf	Defl.	4.61	6.18	5.69
60	Stress	3.55 g	1.86 b	2.11 b	105	Stress	2.65 b	1.06 b	1.21 b
psf	Defl.	5.47	7.32	6.75	psf	Defl.	4.54	6.08	5.60

Explanatory Notes For Load/Span Tables:

- Numbers in the tables indicate distance in feet between adjacent structural girts.
- Span length limitation factors:
Stress limitation uses the Aluminum Association specification for wind load.
Deflection limitation uses span / 120.
- Panel weight = 0.74 psf.
- Load/Span tables are based on #14 fasteners with 5/8 in. ϕ combination washers fastened to 16 Ga. minimum thickness steel structural girts.
- Key to failure modes:
a - Fastener pullout from structural girt.
b - Fastener pullover.
g - Bending of panel.
- *Panel is perforated with 3/8" ϕ holes spaced 9/16" on center yielding 40% free area.

3/25/13

WIND LOAD/SPAN TABLE FOR

°MR3-36 - .040

40% PERFORATED*



3 Fasteners per Panel
Safety Factor = 3.00 (Fasteners)

$I_{min} = 0.218 \text{ in}^4/\text{ft}$
 $S_{min} = 0.237 \text{ in}^3/\text{ft}$

Deflection @ L/120
Alloy = 3003-H14

Load		Single Span	Double Span	Triple Span	Load		Single Span	Double Span	Triple Span
20	Stress	6.16 g	5.57 b	6.33 b	65	Stress	3.42 g	1.71 b	1.95 b
psf	Defl.	7.88	10.56	9.73	psf	Defl.	5.32	7.13	6.57
25	Stress	5.51 g	4.46 b	5.07 b	70	Stress	3.29 g	1.59 b	1.81 b
psf	Defl.	7.32	9.81	9.04	psf	Defl.	5.19	6.96	6.41
30	Stress	5.03 g	3.72 b	4.22 b	75	Stress	3.18 g	1.49 b	1.69 b
psf	Defl.	6.89	9.23	8.50	psf	Defl.	5.07	6.80	6.27
35	Stress	4.65 g	3.18 b	3.62 b	80	Stress	3.08 g	1.39 b	1.58 b
psf	Defl.	6.54	8.77	8.08	psf	Defl.	4.97	6.65	6.13
40	Stress	4.35 g	2.79 b	3.17 b	85	Stress	2.99 g	1.31 b	1.49 b
psf	Defl.	6.26	8.38	7.73	psf	Defl.	4.87	6.52	6.01
45	Stress	4.10 g	2.48 b	2.81 b	90	Stress	2.90 g	1.24 b	1.41 b
psf	Defl.	6.01	8.06	7.43	psf	Defl.	4.77	6.40	5.90
50	Stress	3.89 g	2.23 b	2.53 b	95	Stress	2.83 g	1.17 b	1.33 b
psf	Defl.	5.81	7.78	7.17	psf	Defl.	4.69	6.28	5.79
55	Stress	3.71 g	2.03 b	2.30 b	100	Stress	2.75 g	1.11 b	1.27 b
psf	Defl.	5.63	7.54	6.95	psf	Defl.	4.61	6.18	5.69
60	Stress	3.55 g	1.86 b	2.11 b	105	Stress	2.65 b	1.06 b	1.21 b
psf	Defl.	5.47	7.32	6.75	psf	Defl.	4.54	6.08	5.60

Explanatory Notes For Load/Span Tables:

- Numbers in the tables indicate distance in feet between adjacent structural girts.
- Span length limitation factors:
Stress limitation uses the Aluminum Association specification for wind load.
Deflection limitation uses span / 120.
- Panel weight = 0.74 psf.
- Load/Span tables are based on #14 fasteners with 5/8 in. $\varnothing$ combination washers fastened to 3/16" minimum thickness steel structural girts.
- Key to failure modes:
a - Fastener pullout from structural girt.
b - Fastener pullover.
g - Bending of panel.
- *Panel is perforated with 3/8" $\varnothing$ holes spaced 9/16" on center yielding 40% free area.

3/25/13

WIND LOAD/SPAN TABLE FOR

°MR3-36 - .040

40% PERFORATED*



6 Fasteners per Panel
Safety Factor = 3.00 (Fasteners)

$I_{min} = 0.218 \text{ in}^4/\text{ft}$
 $S_{min} = 0.237 \text{ in}^3/\text{ft}$

Deflection @ L/120
Alloy = 3003-H14

Load		Single Span	Double Span	Triple Span	Load		Single Span	Double Span	Triple Span
20	Stress	6.16 g	6.16 g	6.88 g	65	Stress	3.42 g	3.42 g	3.82 g
	psf Defl.	7.88	10.56	9.73		psf Defl.	5.32	7.13	6.57
25	Stress	5.51 g	5.51 g	6.16 g	70	Stress	3.29 g	3.18 b	3.62 b
	psf Defl.	7.32	9.81	9.04		psf Defl.	5.19	6.96	6.41
30	Stress	5.03 g	5.03 g	5.62 g	75	Stress	3.18 g	2.97 b	3.38 b
	psf Defl.	6.89	9.23	8.50		psf Defl.	5.07	6.80	6.27
35	Stress	4.65 g	4.65 g	5.20 g	80	Stress	3.08 g	2.79 b	3.17 b
	psf Defl.	6.54	8.77	8.08		psf Defl.	4.97	6.65	6.13
40	Stress	4.35 g	4.35 g	4.87 g	85	Stress	2.99 g	2.62 b	2.98 b
	psf Defl.	6.26	8.38	7.73		psf Defl.	4.87	6.52	6.01
45	Stress	4.10 g	4.10 g	4.59 g	90	Stress	2.90 g	2.48 b	2.81 b
	psf Defl.	6.01	8.06	7.43		psf Defl.	4.77	6.40	5.90
50	Stress	3.89 g	3.89 g	4.35 g	95	Stress	2.83 g	2.35 b	2.67 b
	psf Defl.	5.81	7.78	7.17		psf Defl.	4.69	6.28	5.79
55	Stress	3.71 g	3.71 g	4.15 g	100	Stress	2.75 g	2.23 b	2.53 b
	psf Defl.	5.63	7.54	6.95		psf Defl.	4.61	6.18	5.69
60	Stress	3.55 g	3.55 g	3.97 g	105	Stress	2.69 g	2.12 b	2.41 b
	psf Defl.	5.47	7.32	6.75		psf Defl.	4.54	6.08	5.60

Explanatory Notes For Load/Span Tables:

- Numbers in the tables indicate distance in feet between adjacent structural girts.
- Span length limitation factors:
Stress limitation uses the Aluminum Association specification for wind load.
Deflection limitation uses span / 120.
- Panel weight = 0.74 psf.
- Load/Span tables are based on #14 fasteners with 5/8 in. $\varnothing$ combination washers fastened to 16 Ga. minimum thickness steel structural girts.
- Key to failure modes:
a - Fastener pullout from structural girt.
b - Fastener pullover.
g - Bending of panel.
- *Panel is perforated with 3/8" $\varnothing$ holes spaced 9/16" on center yielding 40% free area.

3/25/13

WIND LOAD/SPAN TABLE FOR

°MR3-36 - .040

40% PERFORATED*



6 Fasteners per Panel

Safety Factor = 3.00 (Fasteners)

$I_{min} = 0.218 \text{ in}^4/\text{ft}$

$S_{min} = 0.237 \text{ in}^3/\text{ft}$

Deflection @ L/120

Alloy = 3003-H14

Load		Single Span	Double Span	Triple Span	Load		Single Span	Double Span	Triple Span
20	Stress	6.16 g	6.16 g	6.88 g	65	Stress	3.42 g	3.42 g	3.82 g
psf	Defl.	7.88	10.56	9.73	psf	Defl.	5.32	7.13	6.57
25	Stress	5.51 g	5.51 g	6.16 g	70	Stress	3.29 g	3.18 b	3.62 b
psf	Defl.	7.32	9.81	9.04	psf	Defl.	5.19	6.96	6.41
30	Stress	5.03 g	5.03 g	5.62 g	75	Stress	3.18 g	2.97 b	3.38 b
psf	Defl.	6.89	9.23	8.50	psf	Defl.	5.07	6.80	6.27
35	Stress	4.65 g	4.65 g	5.20 g	80	Stress	3.08 g	2.79 b	3.17 b
psf	Defl.	6.54	8.77	8.08	psf	Defl.	4.97	6.65	6.13
40	Stress	4.35 g	4.35 g	4.87 g	85	Stress	2.99 g	2.62 b	2.98 b
psf	Defl.	6.26	8.38	7.73	psf	Defl.	4.87	6.52	6.01
45	Stress	4.10 g	4.10 g	4.59 g	90	Stress	2.90 g	2.48 b	2.81 b
psf	Defl.	6.01	8.06	7.43	psf	Defl.	4.77	6.40	5.90
50	Stress	3.89 g	3.89 g	4.35 g	95	Stress	2.83 g	2.35 b	2.67 b
psf	Defl.	5.81	7.78	7.17	psf	Defl.	4.69	6.28	5.79
55	Stress	3.71 g	3.71 g	4.15 g	100	Stress	2.75 g	2.23 b	2.53 b
psf	Defl.	5.63	7.54	6.95	psf	Defl.	4.61	6.18	5.69
60	Stress	3.55 g	3.55 g	3.97 g	105	Stress	2.69 g	2.12 b	2.41 b
psf	Defl.	5.47	7.32	6.75	psf	Defl.	4.54	6.08	5.60

Explanatory Notes For Load/Span Tables:

- Numbers in the tables indicate distance in feet between adjacent structural girts.
- Span length limitation factors:
Stress limitation uses the Aluminum Association specification for wind load.
Deflection limitation uses span / 120.
- Panel weight = 0.74 psf.
- Load/Span tables are based on #14 fasteners with 5/8 in. ϕ combination washers fastened to 3/16" minimum thickness steel structural girts.
- Key to failure modes:
a - Fastener pullout from structural girt.
b - Fastener pullover.
g - Bending of panel.
- *Panel is perforated with 3/8" ϕ holes spaced 9/16" on center yielding 40% free area.

3/25/13

WIND LOAD/SPAN TABLE FOR

°BR5-36 - .040

40% PERFORATED*



3 Fasteners per Panel
Safety Factor = 3.00 (Fasteners)

$I_{min} = 0.066 \text{ in}^4/\text{ft}$
 $S_{min} = 0.132 \text{ in}^3/\text{ft}$

Deflection @ L/120
Alloy = 3003-H14

Load		Single Span		Double Span		Triple Span		Load		Single Span		Double Span		Triple Span	
20	Stress	4.73	g	4.73	g	5.29	g	65	Stress	2.62	g	1.71	b	1.95	b
psf	Defl.	5.29		7.09		6.54		psf	Defl.	3.57		4.79		4.41	
25	Stress	4.23	g	4.23	g	4.73	g	70	Stress	2.53	g	1.59	b	1.81	b
psf	Defl.	4.91		6.59		6.07		psf	Defl.	3.49		4.67		4.31	
30	Stress	3.86	g	3.72	b	4.22	b	75	Stress	2.44	g	1.49	b	1.69	b
psf	Defl.	4.62		6.20		5.71		psf	Defl.	3.41		4.57		4.21	
35	Stress	3.58	g	3.18	b	3.62	b	80	Stress	2.37	g	1.39	b	1.58	b
psf	Defl.	4.39		5.89		5.43		psf	Defl.	3.34		4.47		4.12	
40	Stress	3.34	g	2.79	b	3.17	b	85	Stress	2.29	g	1.31	b	1.49	b
psf	Defl.	4.20		5.63		5.19		psf	Defl.	3.27		4.38		4.04	
45	Stress	3.15	g	2.48	b	2.81	b	90	Stress	2.23	g	1.24	b	1.41	b
psf	Defl.	4.04		5.41		4.99		psf	Defl.	3.21		4.30		3.96	
50	Stress	2.99	g	2.23	b	2.53	b	95	Stress	2.17	g	1.17	b	1.33	b
psf	Defl.	3.90		5.23		4.82		psf	Defl.	3.15		4.22		3.89	
55	Stress	2.85	g	2.03	b	2.30	b	100	Stress	2.12	g	1.11	b	1.27	b
psf	Defl.	3.78		5.06		4.67		psf	Defl.	3.10		4.15		3.82	
60	Stress	2.73	g	1.86	b	2.11	b	105	Stress	2.06	g	1.06	b	1.21	b
psf	Defl.	3.67		4.92		4.53		psf	Defl.	3.05		4.08		3.76	

Explanatory Notes For Load/Span Tables:

- Numbers in the tables indicate distance in feet between adjacent structural girts.
- Span length limitation factors:
Stress limitation uses the Aluminum Association specification for wind load.
Deflection limitation uses span / 120.
- Panel weight = 0.70 psf.
- Load/Span tables are based on #14 fasteners with 5/8 in. ϕ combination washers fastened to 16 Ga. minimum thickness steel structural girts.
- Key to failure modes:
a - Fastener pullout from structural girt.
b - Fastener pullover.
g - Bending of panel.
- *Panel is perforated with 3/8" ϕ holes spaced 9/16" on center yielding 40% free area.

3/25/13

WIND LOAD/SPAN TABLE FOR

°BR5-36 - .040

40% PERFORATED*



3 Fasteners per Panel
Safety Factor = 3.00 (Fasteners)

$I_{min} = 0.066 \text{ in}^4/\text{ft}$
 $S_{min} = 0.132 \text{ in}^3/\text{ft}$

Deflection @ L/120
Alloy = 3003-H14

Load		Single Span	Double Span	Triple Span	Load		Single Span	Double Span	Triple Span
20	Stress	4.73 g	4.73 g	5.29 g	65	Stress	2.62 g	1.71 b	1.95 b
psf	Defl.	5.29	7.09	6.54	psf	Defl.	3.57	4.79	4.41
25	Stress	4.23 g	4.23 g	4.73 g	70	Stress	2.53 g	1.59 b	1.81 b
psf	Defl.	4.91	6.59	6.07	psf	Defl.	3.49	4.67	4.31
30	Stress	3.86 g	3.72 b	4.22 b	75	Stress	2.44 g	1.49 b	1.69 b
psf	Defl.	4.62	6.20	5.71	psf	Defl.	3.41	4.57	4.21
35	Stress	3.58 g	3.18 b	3.62 b	80	Stress	2.37 g	1.39 b	1.58 b
psf	Defl.	4.39	5.89	5.43	psf	Defl.	3.34	4.47	4.12
40	Stress	3.34 g	2.79 b	3.17 b	85	Stress	2.29 g	1.31 b	1.49 b
psf	Defl.	4.20	5.63	5.19	psf	Defl.	3.27	4.38	4.04
45	Stress	3.15 g	2.48 b	2.81 b	90	Stress	2.23 g	1.24 b	1.41 b
psf	Defl.	4.04	5.41	4.99	psf	Defl.	3.21	4.30	3.96
50	Stress	2.99 g	2.23 b	2.53 b	95	Stress	2.17 g	1.17 b	1.33 b
psf	Defl.	3.90	5.23	4.82	psf	Defl.	3.15	4.22	3.89
55	Stress	2.85 g	2.03 b	2.30 b	100	Stress	2.12 g	1.11 b	1.27 b
psf	Defl.	3.78	5.06	4.67	psf	Defl.	3.10	4.15	3.82
60	Stress	2.73 g	1.86 b	2.11 b	105	Stress	2.06 g	1.06 b	1.21 b
psf	Defl.	3.67	4.92	4.53	psf	Defl.	3.05	4.08	3.76

Explanatory Notes For Load/Span Tables:

- Numbers in the tables indicate distance in feet between adjacent structural girts.
- Span length limitation factors:
Stress limitation uses the Aluminum Association specification for wind load.
Deflection limitation uses span / 120.
- Panel weight = 0.70 psf.
- Load/Span tables are based on #14 fasteners with 5/8 in. $\varnothing$ combination washers fastened to 3/16" minimum thickness steel structural girts.
- Key to failure modes:
a - Fastener pullout from structural girt.
b - Fastener pullover.
g - Bending of panel.
- *Panel is perforated with 3/8" $\varnothing$ holes spaced 9/16" on center yielding 40% free area.

3/25/13

WIND LOAD/SPAN TABLE FOR

°BR5-36 - .040

40% PERFORATED*



5 Fasteners per Panel

Safety Factor = 3.00 (Fasteners)

$I_{min} = 0.066 \text{ in}^4/\text{ft}$

$S_{min} = 0.132 \text{ in}^3/\text{ft}$

Deflection @ L/120

Alloy = 3003-H14

Load		Single Span	Double Span	Triple Span	Load		Single Span	Double Span	Triple Span
20	Stress	4.73 g	4.73 g	5.29 g	65	Stress	2.62 g	2.62 g	2.93 g
psf	Defl.	5.29	7.09	6.54	psf	Defl.	3.57	4.79	4.41
25	Stress	4.23 g	4.23 g	4.73 g	70	Stress	2.53 g	2.53 g	2.83 g
psf	Defl.	4.91	6.59	6.07	psf	Defl.	3.49	4.67	4.31
30	Stress	3.86 g	3.86 g	4.32 g	75	Stress	2.44 g	2.44 g	2.73 g
psf	Defl.	4.62	6.20	5.71	psf	Defl.	3.41	4.57	4.21
35	Stress	3.58 g	3.58 g	4.00 g	80	Stress	2.37 g	2.32 b	2.64 b
psf	Defl.	4.39	5.89	5.43	psf	Defl.	3.34	4.47	4.12
40	Stress	3.34 g	3.34 g	3.74 g	85	Stress	2.29 g	2.19 b	2.48 b
psf	Defl.	4.20	5.63	5.19	psf	Defl.	3.27	4.38	4.04
45	Stress	3.15 g	3.15 g	3.53 g	90	Stress	2.23 g	2.06 b	2.35 b
psf	Defl.	4.04	5.41	4.99	psf	Defl.	3.21	4.30	3.96
50	Stress	2.99 g	2.99 g	3.34 g	95	Stress	2.17 g	1.96 b	2.22 b
psf	Defl.	3.90	5.23	4.82	psf	Defl.	3.15	4.22	3.89
55	Stress	2.85 g	2.85 g	3.19 g	100	Stress	2.12 g	1.86 b	2.11 b
psf	Defl.	3.78	5.06	4.67	psf	Defl.	3.10	4.15	3.82
60	Stress	2.73 g	2.73 g	3.05 g	105	Stress	2.06 g	1.77 b	2.01 b
psf	Defl.	3.67	4.92	4.53	psf	Defl.	3.05	4.08	3.76

Explanatory Notes For Load/Span Tables:

- Numbers in the tables indicate distance in feet between adjacent structural girts.
- Span length limitation factors:
Stress limitation uses the Aluminum Association specification for wind load.
Deflection limitation uses span / 120.
- Panel weight = 0.70 psf.
- Load/Span tables are based on #14 fasteners with 5/8 in. ϕ combination washers fastened to 16 Ga. minimum thickness steel structural girts.
- Key to failure modes:
a - Fastener pullout from structural girt.
b - Fastener pullover.
g - Bending of panel.
- *Panel is perforated with 3/8" ϕ holes spaced 9/16" on center yielding 40% free area.

3/25/13

WIND LOAD/SPAN TABLE FOR

°BR5-36 - .040

40% PERFORATED*



5 Fasteners per Panel
Safety Factor = 3.00 (Fasteners)

$I_{min} = 0.066 \text{ in}^4/\text{ft}$
 $S_{min} = 0.132 \text{ in}^3/\text{ft}$

Deflection @ L/120
Alloy = 3003-H14

Load		Single Span	Double Span	Triple Span	Load		Single Span	Double Span	Triple Span
20	Stress	4.73 g	4.73 g	5.29 g	65	Stress	2.62 g	2.62 g	2.93 g
psf	Defl.	5.29	7.09	6.54	psf	Defl.	3.57	4.79	4.41
25	Stress	4.23 g	4.23 g	4.73 g	70	Stress	2.53 g	2.53 g	2.83 g
psf	Defl.	4.91	6.59	6.07	psf	Defl.	3.49	4.67	4.31
30	Stress	3.86 g	3.86 g	4.32 g	75	Stress	2.44 g	2.44 g	2.73 g
psf	Defl.	4.62	6.20	5.71	psf	Defl.	3.41	4.57	4.21
35	Stress	3.58 g	3.58 g	4.00 g	80	Stress	2.37 g	2.32 b	2.64 b
psf	Defl.	4.39	5.89	5.43	psf	Defl.	3.34	4.47	4.12
40	Stress	3.34 g	3.34 g	3.74 g	85	Stress	2.29 g	2.19 b	2.48 b
psf	Defl.	4.20	5.63	5.19	psf	Defl.	3.27	4.38	4.04
45	Stress	3.15 g	3.15 g	3.53 g	90	Stress	2.23 g	2.06 b	2.35 b
psf	Defl.	4.04	5.41	4.99	psf	Defl.	3.21	4.30	3.96
50	Stress	2.99 g	2.99 g	3.34 g	95	Stress	2.17 g	1.96 b	2.22 b
psf	Defl.	3.90	5.23	4.82	psf	Defl.	3.15	4.22	3.89
55	Stress	2.85 g	2.85 g	3.19 g	100	Stress	2.12 g	1.86 b	2.11 b
psf	Defl.	3.78	5.06	4.67	psf	Defl.	3.10	4.15	3.82
60	Stress	2.73 g	2.73 g	3.05 g	105	Stress	2.06 g	1.77 b	2.01 b
psf	Defl.	3.67	4.92	4.53	psf	Defl.	3.05	4.08	3.76

Explanatory Notes For Load/Span Tables:

- Numbers in the tables indicate distance in feet between adjacent structural girts.
- Span length limitation factors:
Stress limitation uses the Aluminum Association specification for wind load.
Deflection limitation uses span / 120.
- Panel weight = 0.70 psf.
- Load/Span tables are based on #14 fasteners with 5/8 in. ϕ combination washers fastened to 3/16" minimum thickness steel structural girts.
- Key to failure modes:
a - Fastener pullout from structural girt.
b - Fastener pullover.
g - Bending of panel.
- *Panel is perforated with 3/8" ϕ holes spaced 9/16" on center yielding 40% free area.

3/25/13

WIND LOAD/SPAN TABLE FOR

Style-Rib - .040 Aluminum

40% PERFORATED*



3 Fasteners per Panel

Safety Factor = 3.00 (Fasteners)

$I_{min} = 0.055 \text{ in}^4/\text{ft}$

$S_{min} = 0.081 \text{ in}^3/\text{ft}$

Deflection Ratio = $L/180$

Alloy = 3003-H14

Load		Single Span	Double Span	Triple Span		Load		Single Span	Double Span	Triple Span
20	Stress	4.92 g	4.92 g	5.51 g		65	Stress	2.73 g	1.71 b	1.95 b
psf	Defl.	4.35	5.83	5.37		psf	Defl.	2.93	3.93	3.63
25	Stress	4.40 g	4.40 g	4.92 g		70	Stress	2.63 g	1.59 b	1.81 b
psf	Defl.	4.03	5.41	4.99		psf	Defl.	2.86	3.84	3.54
30	Stress	4.02 g	3.72 b	4.22 b		75	Stress	2.54 g	1.49 b	1.69 b
psf	Defl.	3.80	5.09	4.69		psf	Defl.	2.80	3.75	3.46
35	Stress	3.72 g	3.18 b	3.62 b		80	Stress	2.46 g	1.39 b	1.58 b
psf	Defl.	3.61	4.83	4.46		psf	Defl.	2.74	3.67	3.38
40	Stress	3.48 g	2.79 b	3.17 b		85	Stress	2.39 g	1.31 b	1.49 b
psf	Defl.	3.45	4.62	4.26		psf	Defl.	2.68	3.60	3.32
45	Stress	3.28 g	2.48 b	2.81 b		90	Stress	2.32 g	1.24 b	1.41 b
psf	Defl.	3.32	4.45	4.10		psf	Defl.	2.63	3.53	3.25
50	Stress	3.11 g	2.23 b	2.53 b		95	Stress	2.26 g	1.17 b	1.33 b
psf	Defl.	3.20	4.29	3.96		psf	Defl.	2.59	3.47	3.19
55	Stress	2.97 g	2.03 b	2.30 b		100	Stress	2.20 g	1.11 b	1.27 b
psf	Defl.	3.10	4.16	3.83		psf	Defl.	2.54	3.41	3.14
60	Stress	2.84 g	1.86 b	2.11 b		105	Stress	2.15 g	1.06 b	1.21 b
psf	Defl.	3.01	4.04	3.72		psf	Defl.	2.50	3.35	3.09

Explanatory Notes For Load/Span Tables:

- Numbers in the tables indicate distance in feet between adjacent structural girts using allowable stress design loads (ASD).
- Span length limitation factors:
Stress limitation uses the Aluminum Association specification for wind load.
Deflection limitation uses span / 180.
- Panel weight = 0.67 psf.
- Load/Span tables are based on #14 fasteners with 5/8 in. $\varnothing$ combination washers fastened to 16 Ga. minimum thickness steel structural girts.
- Key to failure modes:
a - Fastener pullout from structural girt.
b - Fastener pullover.
g - Bending of panel.

6. *Panel is perforated with 3/8" $\varnothing$ holes spaced 9/16" on center

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Project No. ACE-2026-157

Report No. ACE-PER-1155, Rev. 1

APPENDIX 2

WIND LOAD/SPAN TABLE FOR

Style-Rib - .040 Aluminum

40% PERFORATED*



5 Fasteners per Panel

Safety Factor = 3.00 (Fasteners)

$I_{min} = 0.055 \text{ in}^4/\text{ft}$

$S_{min} = 0.081 \text{ in}^3/\text{ft}$

Deflection Ratio = $L/180$

Alloy = 3003-H14

Load		Single Span	Double Span	Triple Span		Load		Single Span	Double Span	Triple Span
20	Stress	4.92 g	4.92 g	5.51 g		65	Stress	2.73 g	2.73 g	3.05 g
psf	Defl.	4.35	5.83	5.37		psf	Defl.	2.93	3.93	3.63
25	Stress	4.40 g	4.40 g	4.92 g		70	Stress	2.63 g	2.63 g	2.94 g
psf	Defl.	4.03	5.41	4.99		psf	Defl.	2.86	3.84	3.54
30	Stress	4.02 g	4.02 g	4.50 g		75	Stress	2.54 g	2.48 b	2.81 b
psf	Defl.	3.80	5.09	4.69		psf	Defl.	2.80	3.75	3.46
35	Stress	3.72 g	3.72 g	4.16 g		80	Stress	2.46 g	2.32 b	2.64 b
psf	Defl.	3.61	4.83	4.46		psf	Defl.	2.74	3.67	3.38
40	Stress	3.48 g	3.48 g	3.89 g		85	Stress	2.39 g	2.19 b	2.48 b
psf	Defl.	3.45	4.62	4.26		psf	Defl.	2.68	3.60	3.32
45	Stress	3.28 g	3.28 g	3.67 g		90	Stress	2.32 g	2.06 b	2.35 b
psf	Defl.	3.32	4.45	4.10		psf	Defl.	2.63	3.53	3.25
50	Stress	3.11 g	3.11 g	3.48 g		95	Stress	2.26 g	1.96 b	2.22 b
psf	Defl.	3.20	4.29	3.96		psf	Defl.	2.59	3.47	3.19
55	Stress	2.97 g	2.97 g	3.32 g		100	Stress	2.20 g	1.86 b	2.11 b
psf	Defl.	3.10	4.16	3.83		psf	Defl.	2.54	3.41	3.14
60	Stress	2.84 g	2.84 g	3.18 g		105	Stress	2.15 g	1.77 b	2.01 b
psf	Defl.	3.01	4.04	3.72		psf	Defl.	2.50	3.35	3.09

Explanatory Notes For Load/Span Tables:

- Numbers in the tables indicate distance in feet between adjacent structural girts using allowable stress design loads (ASD).
- Span length limitation factors:
Stress limitation uses the Aluminum Association specification for wind load.
Deflection limitation uses span / 180.
- Panel weight = 0.67 psf.
- Load/Span tables are based on #14 fasteners with 5/8 in. $\varnothing$ combination washers fastened to 16 Ga. minimum thickness steel structural girts.
- Key to failure modes:
a - Fastener pullout from structural girt.
b - Fastener pullover.
g - Bending of panel.

6. *Panel is perforated with 3/8" $\varnothing$ holes spaced 9/16" on center

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APPENDIX 2