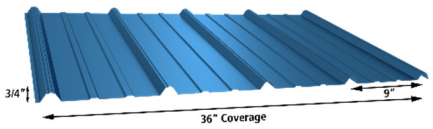
FL47180.02-R1

GulfRib™



Gulf Coast Supply & Manufacturing 14229 SW 2nd Pl G30, Newberry FL 32669

Product Description: Rib/Ag exposed fastener panel with nominal 36" max coverage and nominal rib height of 3/4".

Product Material: 29ga (min) steel (corrosion resistant per FBC 2203.2 where required)

Fastener: #12 x 1.5" fastener with sealing washer.

Maximum Allowable Loads & Installation Requirements:

System No	Structural Support	Panel	Panel Attachment	Allowable Pressure (psf)
GR-1	16ga steel	29ga (min) Rib panel	#12 fastener in 9"-9"-9"-6"-3" pattern. Fastener rows/girts at 60" o.c.	**+28.6** **-31.2**
GR-2	16ga steel	29ga (min) Rib panel	#12 fastener in 9"-9"-9"-6"-3" pattern. Fastener rows/girts at 24" o.c.	**+156.1** **-119.65**

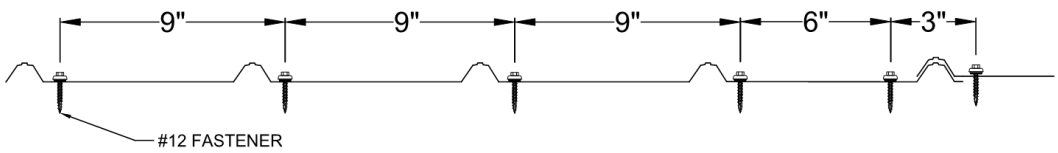
A factor of safety of 2 has been applied.

Evaluated by:
David Eng, PE
Timberlake Cove, LLC
1317 Edgewater Dr, Ste 2339
Orlando FL
FL PE 81377 | FL CA 37675
www.TimberLakeCove.com

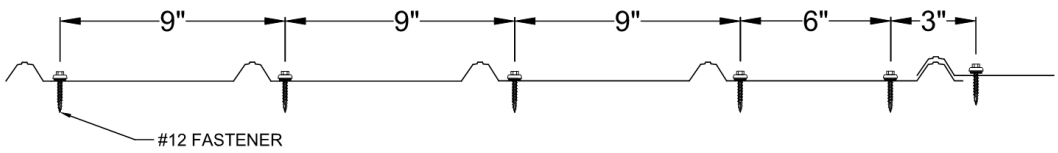
DAVID E. ENG
LICENSE
No. 81377
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Digitally signed by David E Eng
Date: 2025.03.18 16:26:47-04'00'

GR-1: 60" OC



GR-2: 24" OC



Compliance Statement: This product as described has demonstrated compliance with Florida Building Code 2023, 1403.3 (**non-HVHZ**, wind resistance only) as required by FL Rule 61G20-3, method 1D.

This product as described has been tested and demonstrated compliance with:
• ASTM E-1592 - Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference

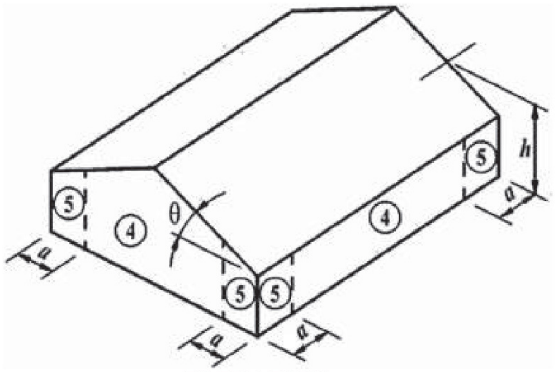
Technical Documentation:

- Force Engineering (TST-5328), ASTM E1592, report 117-006T-25A-D.

Design Process: Compare the maximum allowable loads to the ASD uplift pressures for the project to determine sufficiency and installation requirements. Alternatively, as an option, the load tables in this report may be used to identify the pressure required for structures within the parameters described.
For structures outside of the listed parameters, design wind loads shall be determined as required by FBC 1609, ASCE 7, or other design code in force, using allowable stress. These load tables are based on ASCE 7-22. Use of these tables assumes that the structure is: Enclosed, partially enclosed, or partially open and conforms to wind-borne debris provisions and is a regular shaped building and is not subject to across-wind loading, vortex shedding, or instability; nor does it have a site location for which channeling or buffeting warrant consideration
Engineering analysis may be completed by other licensed engineers for project specific approval by local authorities having jurisdiction.

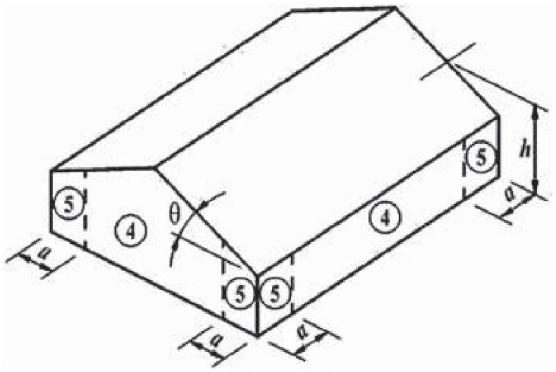
Certification of Independence: David Eng, PE and Timberlake Cove, LLC do not have, nor will acquire a financial interest in any company manufacturing or distributing products under this evaluation. The same entities do not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.
Exclusions and Limitations: Design of structure shall be completed by others. Fire classification and shear diaphragm design are outside the scope of this evaluation. Accelerated weathering/salt spray is outside the scope of this evaluation. This report is limited to compliance with structural wind load requirements of FBC 1504.3.2, as required by Rule 61G20-3. Neither Timberlake Cove nor the manufacturer shall be responsible for any conclusions, interpretations, or designs made by others based on this evaluation report. This report is limited solely to documenting compliance with Rule 61G20-3, and makes no express or implied warranty regarding performance of this product. Installation shall be subject to the local building code and authority having jurisdiction; this report shall not be construed to supersede local codes in force.

Allowable Design Pressures required for walls in **Exposure B**										
Building Type	**Zone**	**Structure Height (ft)**	**Ultimate Windspeed (mph)**							
			120	**130**	**140**	**150**	**160**	**170**	**180**	**190**	**200**
Enclosed or Partially Open	**4**	**20**	-14.9	-17.5	-20.3	-23.3	-26.5	-29.9	-33.6	-37.4	-41.4
		25	-15.9	-18.6	-21.6	-24.8	-28.2	-31.9	-35.7	-39.8	-44.1
		30	-16.8	-19.8	-22.9	-26.3	-29.9	-33.8	-37.9	-42.2	-46.8
		40	-17.8	-20.9	-24.2	-27.8	-31.7	-35.7	-40.1	-44.6	-49.5
		50	-19.0	-22.3	-25.9	-29.7	-33.8	-38.2	-42.8	-47.7	-52.8
		60	-20.0	-23.4	-27.2	-31.2	-35.5	-40.1	-44.9	-50.1	-55.5
	5	**20**	-18.4	-21.6	-25.1	-28.8	-32.7	-37.0	-41.4	-46.2	-51.2
		25	-19.6	-23.0	-26.7	-30.6	-34.9	-39.3	-44.1	-49.1	-54.5
		30	-20.8	-24.4	-28.3	-32.5	-37.0	-41.7	-46.8	-52.1	-57.8
		40	-22.0	-25.8	-29.9	-34.3	-39.1	-44.1	-49.5	-55.1	-61.1
		50	-23.5	-27.5	-31.9	-36.7	-41.7	-47.1	-52.8	-58.8	-65.2
		60	-24.7	-28.9	-33.6	-38.5	-43.8	-49.5	-55.5	-61.8	-68.5
Partially Enclosed	**4**	**20**	-19.2	-22.6	-26.2	-30.1	-34.2	-38.6	-43.3	-48.2	-53.4
		25	-20.5	-24.0	-27.9	-32.0	-36.4	-41.1	-46.1	-51.3	-56.9
		30	-21.7	-25.5	-29.6	-33.9	-38.6	-43.6	-48.9	-54.4	-60.3
		40	-23.0	-26.9	-31.2	-35.9	-40.8	-46.1	-51.7	-57.5	-63.8
		50	-24.5	-28.8	-33.4	-38.3	-43.6	-49.2	-55.1	-61.4	-68.1
		60	-25.7	-30.2	-35.0	-40.2	-45.8	-51.7	-57.9	-64.5	-71.5
	5	**20**	-22.7	-26.7	-30.9	-35.5	-40.4	-45.6	-51.1	-57.0	-63.1
		25	-24.2	-28.4	-32.9	-37.8	-43.0	-48.6	-54.4	-60.7	-67.2
		30	-25.7	-30.1	-34.9	-40.1	-45.6	-51.5	-57.7	-64.3	-71.3
		40	-27.1	-31.8	-36.9	-42.4	-48.2	-54.4	-61.0	-68.0	-75.4
		50	-29.0	-34.0	-39.4	-45.3	-51.5	-58.1	-65.2	-72.6	-80.5
		60	-30.4	-35.7	-41.4	-47.5	-54.1	-61.1	-68.5	-76.3	-84.5



ELEVATION

Allowable Design Pressures required for walls in **Exposure C**										
Building Type	**Zone**	**Mean Roof Height (ft)**	**Ultimate Windspeed (mph)**							
			120	**130**	**140**	**150**	**160**	**170**	**180**	**190**	**200**
Enclosed or Partially Open	**4**	**20**	-21.7	-25.4	-29.5	-33.8	-38.5	-43.5	-48.7	-54.3	-60.2
		25	-22.6	-26.5	-30.8	-35.3	-40.2	-45.4	-50.9	-56.7	-62.8
		30	-23.6	-27.7	-32.1	-36.8	-41.9	-47.3	-53.1	-59.1	-65.5
		40	-25.0	-29.4	-34.1	-39.1	-44.5	-50.2	-56.3	-62.7	-69.5
		50	-26.2	-30.8	-35.7	-41.0	-46.6	-52.6	-59.0	-65.8	-72.9
		60	-27.2	-31.9	-37.0	-42.5	-48.3	-54.6	-61.2	-68.2	-75.5
	5	**20**	-26.7	-31.4	-36.4	-41.8	-47.5	-53.7	-60.2	-67.0	-74.3
		25	-27.9	-32.8	-38.0	-43.6	-49.6	-56.0	-62.8	-70.0	-77.6
		30	-29.1	-34.2	-39.6	-45.5	-51.8	-58.4	-65.5	-73.0	-80.9
		40	-30.9	-36.3	-42.0	-48.3	-54.9	-62.0	-69.5	-77.4	-85.8
		50	-32.4	-38.0	-44.1	-50.6	-57.6	-65.0	-72.9	-81.2	-89.9
		60	-33.6	-39.4	-45.7	-52.4	-59.7	-67.4	-75.5	-84.1	-93.2
Partially Enclosed	**4**	**20**	-27.9	-32.8	-38.0	-43.6	-49.6	-56.0	-62.8	-70.0	-77.6
		25	-29.2	-34.2	-39.7	-45.6	-51.8	-58.5	-65.6	-73.1	-81.0
		30	-30.4	-35.7	-41.4	-47.5	-54.0	-61.0	-68.4	-76.2	-84.4
		40	-32.3	-37.9	-43.9	-50.4	-57.4	-64.7	-72.6	-80.9	-89.6
		50	-33.8	-39.7	-46.0	-52.8	-60.1	-67.9	-76.1	-84.8	-93.9
		60	-35.1	-41.1	-47.7	-54.8	-62.3	-70.4	-78.9	-87.9	-97.4
	5	**20**	-33.0	-38.7	-44.9	-51.6	-58.7	-66.2	-74.2	-82.7	-91.7
		25	-34.5	-40.4	-46.9	-53.8	-61.3	-69.2	-77.5	-86.4	-95.7
		30	-35.9	-42.2	-48.9	-56.1	-63.9	-72.1	-80.8	-90.1	-99.8
		40	-38.1	-44.7	-51.9	-59.6	-67.8	-76.5	-85.8	-95.6	-105.9
		50	-40.0	-46.9	-54.4	-62.4	-71.0	-80.2	-89.9	-100.2	-111.0
		60	-41.4	-48.6	-56.4	-64.7	-73.6	-83.1	-93.2	-103.9	-115.1



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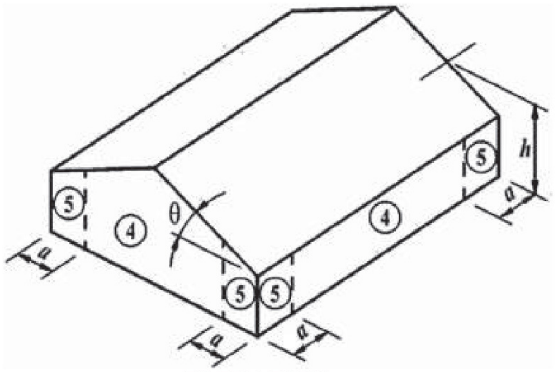
Allowable Design Pressures required for walls in **Exposure D**										
Building Type	**Zone**	**Mean Roof Height (ft)**	**Ultimate Windspeed (mph)**							
			120	**130**	**140**	**150**	**160**	**170**	**180**	**190**	**200**
Enclosed or Partially Open	**4**	**20**	-26.0	-30.5	-35.4	-40.6	-46.2	-52.2	-58.5	-65.2	-72.2
		25	-27.0	-31.6	-36.7	-42.1	-47.9	-54.1	-60.6	-67.6	-74.9
		30	-27.9	-32.8	-38.0	-43.6	-49.6	-56.0	-62.8	-70.0	-77.5
		40	-29.4	-34.5	-40.0	-45.9	-52.2	-58.9	-66.1	-73.6	-81.6
		50	-30.6	-35.9	-41.6	-47.8	-54.3	-61.3	-68.8	-76.6	-84.9
		60	-31.5	-37.0	-42.9	-49.3	-56.0	-63.3	-70.9	-79.0	-87.6
	5	**20**	-32.1	-37.7	-43.7	-50.1	-57.0	-64.4	-72.2	-80.4	-89.1
		25	-33.3	-39.0	-45.3	-52.0	-59.1	-66.8	-74.9	-83.4	-92.4
		30	-34.5	-40.4	-46.9	-53.8	-61.3	-69.2	-77.5	-86.4	-95.7
		40	-36.2	-42.5	-49.3	-56.6	-64.4	-72.7	-81.5	-90.9	-100.7
		50	-37.7	-44.3	-51.3	-58.9	-67.1	-75.7	-84.9	-94.6	-104.8
		60	-38.9	-45.7	-53.0	-60.8	-69.2	-78.1	-87.6	-97.6	-108.1
Partially Enclosed	**4**	**20**	-33.5	-39.3	-45.6	-52.3	-59.6	-67.2	-75.4	-84.0	-93.1
		25	-34.7	-40.8	-47.3	-54.3	-61.8	-69.7	-78.2	-87.1	-96.5
		30	-36.0	-42.2	-49.0	-56.2	-64.0	-72.2	-81.0	-90.2	-100.0
		40	-37.8	-44.4	-51.5	-59.1	-67.3	-76.0	-85.2	-94.9	-105.1
		50	-39.4	-46.2	-53.6	-61.6	-70.0	-79.1	-88.6	-98.8	-109.4
		60	-40.6	-47.7	-55.3	-63.5	-72.2	-81.6	-91.4	-101.9	-112.9
	5	**20**	-39.6	-46.5	-53.9	-61.9	-70.4	-79.5	-89.1	-99.3	-110.0
		25	-41.1	-48.2	-55.9	-64.2	-73.0	-82.4	-92.4	-102.9	-114.1
		30	-42.5	-49.9	-57.9	-66.4	-75.6	-85.3	-95.7	-106.6	-118.1
		40	-44.7	-52.5	-60.9	-69.9	-79.5	-89.8	-100.6	-112.1	-124.2
		50	-46.6	-54.6	-63.4	-72.7	-82.8	-93.4	-104.8	-116.7	-129.3
		60	-48.0	-56.4	-65.4	-75.0	-85.4	-96.4	-108.1	-120.4	-133.4



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