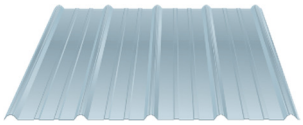
FL6095.09-R7

Super Pro

29ga Super Pro on 7/16” OSB



Product Description

Exposed fastener panel with 36” coverage with nominal rib height of 0.75”. Main ribs at 9” on center with mini-ribs/striations optional.

Product Material

29ga (min) steel

29ga is nominally 0.0145” with yield strength of at least 50ksi, and shall be corrosion resistant per FBC 1507.4.3

Fastener

#9 x 1.5-inch fastener with sealing washer

Compliant with FBC 1506.6.

Substrate/Deck

7/16” OSB (min)

Manufactured By

RPS Metal Roofing & Siding, Inc
710 3rd Ave, Welaka, FL 32193
386-866-3342 | www.rpsmetalroofing.com

Evaluated by

David Eng, PE
Timberlake Cove, LLC
1317 Edgewater Dr Ste 2339 | Orlando FL 32804
FL PE 81377 | FL CA 33344
www.TimberLakeCove.com

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

This item has been digitally signed and sealed by D.E. Eng, PE, on the date indicated. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies

Digitally signed by David E Eng
Date: 2023.08.13 17:31:36-04'00'

Maximum Allowable Loads & Installation Requirements:

Method A: #9 x 1.5" fastener in 6"-3" pattern (two fasteners per rib) at 24" o.c.: **63.5 PSF**
Method B: #9 x 1.5" fastener in 6"-3" pattern (two fasteners per rib) at 6" o.c.: **123.5 PSF**
A factor of safety of 2 has been applied.

Underlayment: Comply with FBC 1507.1.1 where required.

Slope: Comply with FBC 1507.4.2 where required.

Re-Roofing: This panel may be installed over a single layer of existing shingles as permitted by FBC 1511, provided the requirements of FBC 1511 and/or other applicable codes are met.

Technical Documentation: This product has been tested to the UL 580 standard by Force Engineering (TST-5328), report 118-00575T-05 & 118-0111T-09B FL6095.03-R5.

Compliance Statement: This product as described has demonstrated compliance with Florida Building Code 2023, Section 1504.3.2, as required by FL Rule 61G20-3, method 1D.
This product as described has been tested and demonstrated compliance with:
• UL580 – Test for Uplift Resistance of Roof Assemblies
• UL 1897 – Uplift test for roof covering systems

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 & Limitations: Design of deck and roof structure shall be completed by others. Fire classification and shear diaphragm design are 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.

Design Process: The load tables in this report provides one prescriptive option for the fastening requirement for the applicable wind loads for roofs within the parameters described. For roofs 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 and conforms to wind-borne debris provisions and is a regular shaped building
- 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

Use of Load Tables

These load tables are provided as a courtesy to provide one possible prescriptive option for a generic, typical structure without calculating the design pressures.

For structures outside the parameters of these load tables (e.g. height above 30 feet), calculate the required allowable design pressure and compare to the maximum allowable loads shown on page 2. These load tables shall not be construed to in any way limit the installation of this product to the cases shown.

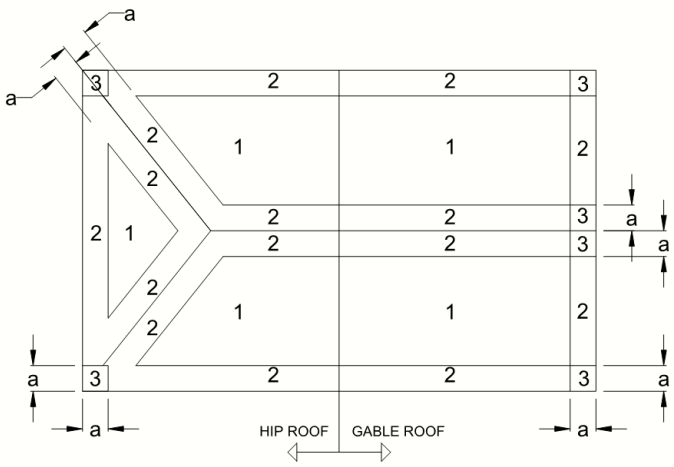
Contact the manufacturer for further information, or consult a licensed design professional

Instructions:

Select the appropriate load table that applies to the structure in question.

Determine the design wind speed for the project location.

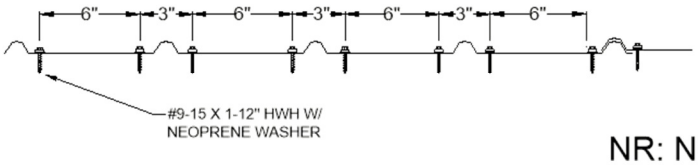
Use the attachment method indicated for that windspeed within each roof zone.



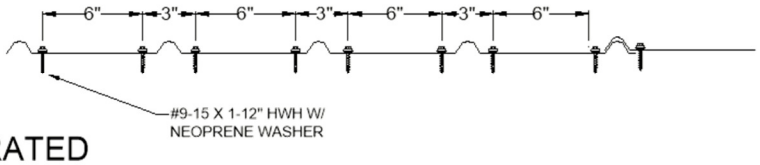
a: 10% OF LEAST HOIZONTAL DIMENSION OR 0.4h, WHICHEVER IS SMALLER, BUT NOT LESS THAN EITHER 4% OF LEAST HORIZONTAL DIMENSION OR 3FT (0.9M). OR AS DETERMINED BY DESIGN OR OTHER APPLICABLE CODE.

ROOF ZONES FOR GENERIC BUILDING

METHOD A: 24" OC



METHOD B: 6" OC



NR: NOT RATED

CONSULT DESIGN PROFESSIONAL AS NECESSARY

Use this load table for structures which meet the following criteria:
Are located in **Exposure B** area
Have either a **flat roof, or gable/hip roof** with **max slope of 45°**
Have a mean Roof Height of **30 feet or less**

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Wind	105	110	120	130	140	150	160	170	180	190	200
Zone 1:	A	A	A	A	A	A	A	A	B	B	B
Zone 2:	A	A	A	A	A	A	B	B	B	B	B
Zone 3:	A	A	A	A	B	B	B	B	B	NR	NR

Use this load table for structures which meet the following criteria:
Are located in **B, C, or D exposure** area
Have either **a flat roof, or gable/hip roof** with **max slope of 45°**
Have a mean Roof Height of **30 feet or less**

FL6095.09: 29ga Super Pro on 7/16" OSB

Wind	105	110	120	130	140	150	160	170	180	190	200
Zone 1:	A	A	A	A	B	B	B	B	B	B	NR
Zone 2:	A	A	A	B	B	B	B	NR	NR	NR	NR
Zone 3:	A	B	B	B	B	NR	NR	NR	NR	NR	NR

Use this load table for structures which meet the following criteria:
Are located in **Exposure B** area
Have either a **flat roof less than 7°, hip roof** with
max slope of 45°, or gable roof with slope between 20° and 45°
Have a mean Roof Height of **30 feet or less**

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Wind	105	110	120	130	140	150	160	170	180	190	200
Zone 1:	A	A	A	A	A	A	A	A	A	B	B
Zone 2:	A	A	A	A	A	A	A	B	B	B	B
Zone 3:	A	A	A	A	A	B	B	B	B	B	NR

Use this load table for structures which meet the following criteria:
Are located in **B, C, or D exposure** area
Have either a **flat roof less than 7°, hip roof** with
max slope of 45°, or gable roof with slope between 20° and 45°
Have a mean Roof Height of **30 feet or less**

FL6095.09: 29ga Super Pro on 7/16" OSB

Wind	105	110	120	130	140	150	160	170	180	190	200
Zone 1:	A	A	A	A	A	B	B	B	B	B	B
Zone 2:	A	A	A	B	B	B	B	B	NR	NR	NR
Zone 3:	A	A	B	B	B	B	NR	NR	NR	NR	NR