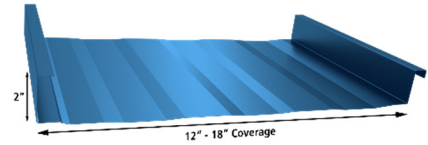


24ga (min) **Mega Loc**
over 16ga (min) purlins



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

Product Description: Mechanical seam panel with 18" max coverage and nominal rib height of 2".

Product Material: 24ga (min) steel *Corrosion resistant per FBC 1507.4.3 where required.*

Fastener: #10 x 1-inch fastener, 2 per clip. *Compliant with FBC 1506.6 where required.*

Clip: NC-33033 floating clip or similar.

Substrate/Deck: 16ga (min) purlins. *Open frame/structural panel; no deck required.*

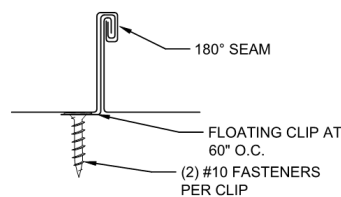
Maximum Allowable Loads & Installation Requirements:

Method	Clip/Purlin Spacing	Panel Seam	Allowable Pressure
Method A	(2) #10 fasteners per clip, clips at 60" o.c.	180° seam	-45 PSF
Method B	(2) #10 fasteners per clip, clips at 12" o.c.	180° seam	-120 PSF

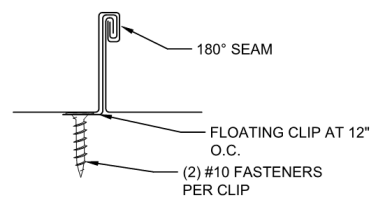
A factor of safety of 2 has been applied.

Linear interpolation between 60" and 12" purlin spacing is permitted.

METHOD A

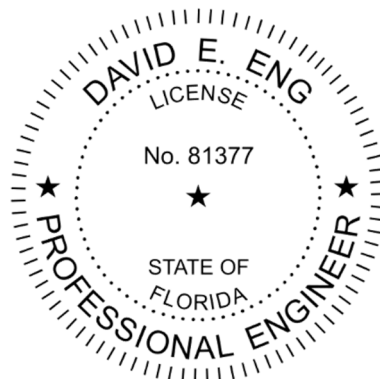


METHOD B



Evaluated by:

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



Underlayment: Comply with local building code or FBC 1507.1.1 where required.

Slope: Comply with local building code or FBC 1507.4.2 where required.

Re-Roofing: This panel may be installed over a single layer of existing shingles as permitted by local building code or FBC 1511, provided the existing roof meets the conditions required by the applicable code.

Technical Documentation: This product has been tested to the ASTM E1592 standard by Force Engineering (TST-5328), report 117-0247T-07A, B.

Compliance Statement: This product as described has demonstrated compliance with Florida Building Code 2023, 1504.3.2 (non-HVHZ) as required by FL Rule 61G20-3, method 1D.

This product as described has been tested and demonstrated compliance with:

- ASTM E1592 Standard Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference

Design Process: Compare the maximum allowable loads on page 1 to the ASD uplift pressures for the project to determine sufficiency and installation requirements.

Alternatively, as an option, 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 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 deck and roof structure (to include attachment of plywood or wood plank) 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.

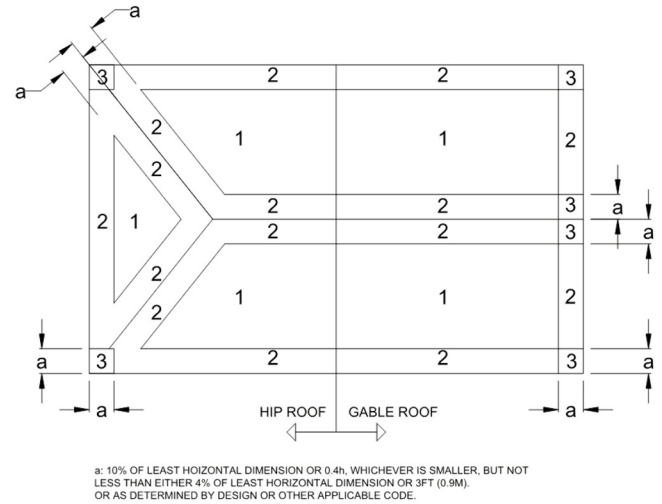
Use of Load Tables: These load tables are provided as a courtesy to provide *one* possible prescriptive option for a generic, typical structure without calculating the design pressures.

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.

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.



ROOF ZONES FOR GENERIC BUILDING

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 12:12**
 Have a mean Roof Height of **30 feet or less**

FL44688.01 24ga MegaLoc on 16ga purlins

Wind	105	110	120	130	140	150	160	170	180	190	200
Zone 1:	60"	60"	60"	60"	60"	60"	48"	48"	36"	36"	36"
Zone 2:	60"	60"	60"	48"	48"	36"	36"	24"	24"	12"	12"
Zone 3:	60"	60"	48"	48"	36"	36"	24"	24"	12"	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 12:12, or gable roof with slope between 4.4:12 & 12:12**
 Have a mean Roof Height of **30 feet or less**

FL44688.01 24ga MegaLoc on 16ga purlins

Wind	105	110	120	130	140	150	160	170	180	190	200
Zone 1:	60"	60"	60"	60"	60"	60"	48"	48"	48"	36"	36"
Zone 2:	60"	60"	60"	60"	48"	48"	36"	36"	36"	24"	24"
Zone 3:	60"	60"	48"	48"	48"	36"	36"	24"	12"	12"	NR

Use purlin spacing shown

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 12:12**
 Have a mean Roof Height of **30 feet or less**

FL44688.01 24ga MegaLoc on 16ga purlins

Wind	105	110	120	130	140	150	160	170	180	190	200
Zone 1:	60"	60"	48"	48"	36"	36"	24"	24"	12"	12"	NR
Zone 2:	48"	48"	36"	36"	24"	12"	NR	NR	NR	NR	NR
Zone 3:	48"	36"	24"	24"	12"	NR	NR	NR	NR	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 less than 7°, hip roof with max slope of 12:12, or gable roof with slope between 4.4:12 & 12:12**
 Have a mean Roof Height of **30 feet or less**

FL44688.01 24ga MegaLoc on 16ga purlins

Wind	105	110	120	130	140	150	160	170	180	190	200
Zone 1:	60"	60"	60"	48"	48"	36"	36"	24"	24"	12"	NR
Zone 2:	48"	48"	48"	36"	36"	24"	12"	12"	NR	NR	NR
Zone 3:	48"	48"	36"	24"	12"	12"	NR	NR	NR	NR	NR