26ga (min) 1.75” Snaplock over 15/32” (min) plywood

Product Description

1.75” Snaplock style standing seam panel with 16” max coverage and nominal rib height of 1.5”

Product Material

26ga (min) steel, Corrosion resistant per FBC 1507.4.3 where required

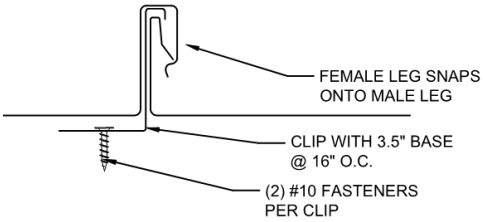
Fastener

#10 x 1” fastener, 2 per clip, Compliant with FBC 1506.6 where required.

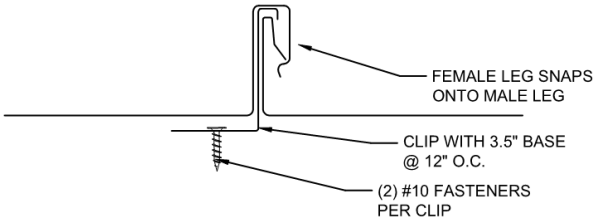
Clip

3.5”-long 18ga clip

METHOD A



METHOD B



Substrate/Deck

15/32” (min) plywood or **3/4” (min) thick wood plank (min S.G. of 0.42)**

Manufactured by:

AMERICAN METAL SUPPLY LLC | 2719 Alt Us Hwy 27 S | Sebring FL
Or approved manufacturing partner

Evaluated by:

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

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

Digitally signed by David E Eng
Date: 2026.01.30 10:09:54-07'00'

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

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.

Maximum Allowable Loads & Installation Requirements:

Method A: (2) #10 x 1" fasteners per clip and clips at 16" o.c.: **93.5 PSF**
Method B: (2) #10 x 1" fasteners per clip and clips at 12" o.c.: **131 PSF**
A factor of safety of 2 has been applied.

Technical Documentation:
This product has been tested to the UL 580 standard by Intertek Testing (TST-1527), report P8893.01-450-44.

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:
• UL580 – Test for Uplift Resistance of Roof Assemblies
• UL 1897 – Uplift test for roof covering systems

Design Process:
Compare the maximum allowable loads on page 2 to the ASD uplift pressures for the project to determine sufficiency and installation requirements.

As an option, reference the optional design pressure table in this report to determine the design pressure. 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 design. The design pressure table is based on ASCE 7-22. Use of the 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.

OPTIONAL DESIGN PRESSURE TABLES

Allowable Design Pressures required for Gable and Hip Roofs in **Exposure B** with roof slope between 2:12 and 12:12

Zone	Mean Roof Height (ft)	Ultimate Windspeed (mph)								
		120	130	140	150	160	170	180	190	200
1	20	-25.4	-29.8	-34.6	-39.7	-45.2	-51.0	-57.2	-63.7	-70.6
	25	-27.1	-31.7	-36.8	-42.3	-48.1	-54.3	-60.9	-67.8	-75.1
	30	-28.7	-33.7	-39.0	-44.8	-51.0	-57.6	-64.6	-71.9	-79.7
	40	-30.3	-35.6	-41.3	-47.4	-53.9	-60.9	-68.2	-76.0	-84.2
	50	-32.4	-38.0	-44.1	-50.6	-57.6	-65.0	-72.9	-81.2	-89.9
	60	-34.0	-39.9	-46.3	-53.2	-60.5	-68.3	-76.5	-85.3	-94.5
2	20	-33.6	-39.4	-45.7	-52.5	-59.7	-67.4	-75.5	-84.2	-93.3
	25	-35.7	-41.9	-48.6	-55.8	-63.5	-71.7	-80.4	-89.6	-99.3
	30	-37.9	-44.5	-51.6	-59.2	-67.4	-76.1	-85.3	-95.0	-105.3
	40	-40.1	-47.0	-54.5	-62.6	-71.2	-80.4	-90.2	-100.4	-111.3
	50	-42.8	-50.2	-58.2	-66.8	-76.0	-85.8	-96.2	-107.2	-118.8
	60	-44.9	-52.7	-61.2	-70.2	-79.9	-90.2	-101.1	-112.7	-124.8
3	20	-44.1	-51.7	-60.0	-68.8	-78.3	-88.4	-99.1	-110.5	-122.4
	25	-46.9	-55.0	-63.8	-73.3	-83.4	-94.1	-105.5	-117.6	-130.3
	30	-49.7	-58.4	-67.7	-77.7	-88.4	-99.8	-111.9	-124.7	-138.2
	40	-52.6	-61.7	-71.6	-82.2	-93.5	-105.5	-118.3	-131.8	-146.1
	50	-56.1	-65.9	-76.4	-87.7	-99.8	-112.7	-126.3	-140.7	-156.0
	60	-59.0	-69.2	-80.3	-92.2	-104.9	-118.4	-132.7	-147.9	-163.8

Allowable Design Pressures required for Gable and Hip Roofs in **Exposure C** with roof slope between 2:12 and 12:12

Zone	Mean Roof Height (ft)	Ultimate Windspeed (mph)								
		120	130	140	150	160	170	180	190	200
1	20	-36.9	-43.3	-50.2	-57.6	-65.6	-74.0	-83.0	-92.5	-102.5
	25	-38.5	-45.2	-52.4	-60.2	-68.5	-77.3	-86.7	-96.6	-107.0
	30	-40.2	-47.1	-54.7	-62.8	-71.4	-80.6	-90.4	-100.7	-111.6
	40	-42.6	-50.0	-58.0	-66.6	-75.8	-85.5	-95.9	-106.9	-118.4
	50	-44.7	-52.4	-60.8	-69.8	-79.4	-89.7	-100.5	-112.0	-124.1
	60	-46.3	-54.4	-63.0	-72.4	-82.3	-92.9	-104.2	-116.1	-128.6
2	20	-48.7	-57.2	-66.3	-76.1	-86.6	-97.8	-109.6	-122.2	-135.4
	25	-50.9	-59.7	-69.3	-79.5	-90.5	-102.1	-114.5	-127.6	-141.4
	30	-53.1	-62.3	-72.2	-82.9	-94.3	-106.5	-119.4	-133.0	-147.4
	40	-56.3	-66.1	-76.6	-88.0	-100.1	-113.0	-126.7	-141.2	-156.4
	50	-59.0	-69.3	-80.3	-92.2	-104.9	-118.4	-132.8	-148.0	-163.9
	60	-61.2	-71.8	-83.3	-95.6	-108.8	-122.8	-137.7	-153.4	-170.0
3	20	-64.0	-75.1	-87.1	-99.9	-113.7	-128.4	-143.9	-160.3	-177.7
	25	-66.8	-78.4	-90.9	-104.4	-118.8	-134.1	-150.3	-167.5	-185.6
	30	-69.6	-81.7	-94.8	-108.8	-123.8	-139.8	-156.7	-174.6	-193.5
	40	-73.9	-86.7	-100.6	-115.5	-131.4	-148.3	-166.3	-185.3	-205.3
	50	-77.5	-90.9	-105.4	-121.0	-137.7	-155.5	-174.3	-194.2	-215.2
	60	-80.3	-94.2	-109.3	-125.5	-142.8	-161.2	-180.7	-201.3	-223.1

Allowable Design Pressures required for Gable and Hip Roofs in **Exposure D** with roof slope between 2:12 and 12:12

Zone	Mean Roof Height (ft)	Ultimate Windspeed (mph)								
		120	130	140	150	160	170	180	190	200
1	20	-44.3	-51.9	-60.2	-69.2	-78.7	-88.8	-99.6	-111.0	-123.0
	25	-45.9	-53.9	-62.5	-71.7	-81.6	-92.1	-103.3	-115.1	-127.5
	30	-47.5	-55.8	-64.7	-74.3	-84.5	-95.4	-107.0	-119.2	-132.1
	40	-50.0	-58.7	-68.1	-78.1	-88.9	-100.4	-112.5	-125.4	-138.9
	50	-52.1	-61.1	-70.8	-81.3	-92.5	-104.5	-117.1	-130.5	-144.6
	60	-53.7	-63.0	-73.1	-83.9	-95.5	-107.8	-120.8	-134.6	-149.1
2	20	-58.5	-68.6	-79.6	-91.4	-104.0	-117.4	-131.6	-146.6	-162.4
	25	-60.6	-71.2	-82.5	-94.8	-107.8	-121.7	-136.4	-152.0	-168.5
	30	-62.8	-73.7	-85.5	-98.1	-111.7	-126.1	-141.3	-157.5	-174.5
	40	-66.1	-77.5	-89.9	-103.2	-117.4	-132.6	-148.6	-165.6	-183.5
	50	-68.8	-80.7	-93.6	-107.4	-122.2	-138.0	-154.7	-172.4	-191.0
	60	-70.9	-83.2	-96.5	-110.8	-126.1	-142.4	-159.6	-177.8	-197.0
3	20	-76.8	-90.1	-104.5	-119.9	-136.4	-154.0	-172.7	-192.4	-213.2
	25	-79.6	-93.4	-108.3	-124.4	-141.5	-159.7	-179.1	-199.5	-221.1
	30	-82.4	-96.7	-112.2	-128.8	-146.6	-165.4	-185.5	-206.7	-229.0
	40	-86.7	-101.8	-118.0	-135.5	-154.1	-174.0	-195.1	-217.4	-240.8
	50	-90.3	-105.9	-122.8	-141.0	-160.5	-181.1	-203.1	-226.3	-250.7
	60	-93.1	-109.3	-126.7	-145.5	-165.5	-186.8	-209.5	-233.4	-258.6