

WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

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PRODUCT EVALUATION

PRODUCT: NORTHSTAR FIBERGLASS WALL PANEL SYSTEM

MANUFACTURER: NORTHSTAR TECHNOLOGIES GROUP, INC.
365 FIFTH AVENUE S
NAPLES, FL 34102

To all concerned,

The Northstar Fiberglass Wall Panel System, manufactured by Northstar Technologies Group, Inc. consists of fiber-reinforced polymer panels fastened over a cold-formed steel frame assembly. The panels have been tested per TAS 201, 202, and 203 by Intertek B&C with results shown in test report L4423.01-450-44, and per ASTM E84 and E2768 by ICC-NTA, with results shown in test reports NTGI042921-111BR2 and NTGI042921-111AR2 (Fire ratings or fire resistance is not a part of this review) .

Technical Documentation:

1. Drawing "2025224" dated 2/8/25, signed and sealed by Scott Wolters, PE.
2. Test Report listed above by Intertek B&C, signed & sealed by Vinu Abraham PE.
3. Supplemental Calculations to support "2025224", signed and sealed by Scott Wolters, PE.

I have reviewed this submittal per the requirements of FAC Product Approval Rule Chapter 61G20-3.005 (4). Based on the limitations listed below and those provided in the documents above, this product meets all the requirements of the 8th Edition (2023) Florida Building Code generally, and chapters 14,16, and 26 specifically, for use outside of the High Velocity Hurricane Zone.

Limitations: The Northstar Panel System is approved for use outside of the HVHZ. It is large and small missile impact resistant, shutters are not required in windborne debris regions.

<u>Overall Dimensions:</u>	Maximum Frame Height:	Unlimited
	Maximum Frame Width:	Unlimited
	Maximum Stud Spacing:	24" O.C. for Vertical Studs 48" O.C. for Horizontal Studs
	Maximum Panel Dimensions:	96" x 47 3/4" (Panels may be installed horizontally or vertically)
	Maximum Design Pressure:	+90/-85 psf

Other Limitations:

1. Design of the metal stud framing system is by others and is not a part of this evaluation. 18 Ga, $F_u=58$ ksi framing is required, at a minimum, to prevent fastener pull-out. The framing system must be designed to safely transfer imposed loads from the panels to the building structure.
2. Fire classification is not a part of this evaluation.
3. This system is approved for use as a wall cladding system only. Diaphragm forces or support for vertical loads is not a part of this evaluation.

If you have any questions or need more information concerning this approval please contact me.

Thank you,


Scott Wolters
FL PE# 62354
FEB 25 2025

