



INTRODUCING TURTLE RIB

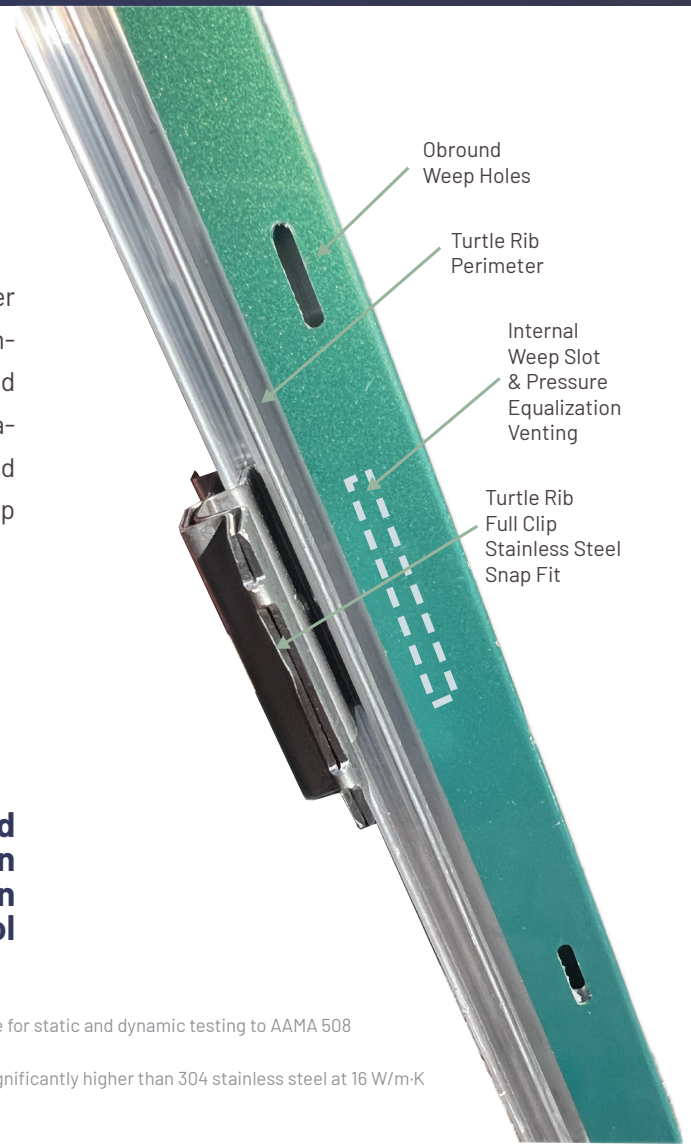
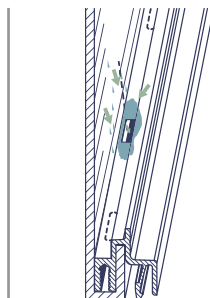
An innovative and code-compliant panel system – patent pending.

A versatile and effective rain-screen¹ panel system designed for maximum adaptability and performance. With compliance achieved in most jurisdictions², it features revolutionary stainless-steel snap-fit clips available in full, half, and parapet styles that simplify installation and minimize heat transfer³ during a fire. The fabrication process is clean and efficient, without gaskets nor caulking and produces no drill shavings at the assembly table, ensuring a scratch-free finished panel surface. Experience faster fabrication, better optimization, and enhanced design adaptability with Turtle Rib's cutting-edge panel system.

Photo Credit: Shawn Talbot via naturallywood.com

HOW IT WORKS

Turtle Rib's frame surfaces are precisely engineered to divert water – whether from condensation or rainwater – away from the assembly through a series of machine-punched slots, gutter chases, and obround CNC-cut weep holes. As shown in the diagram, condensation or wind driven rain collects and drains through channels and gutters out the weep holes. When properly configured, these weep holes and slots will permit pressure equalization.



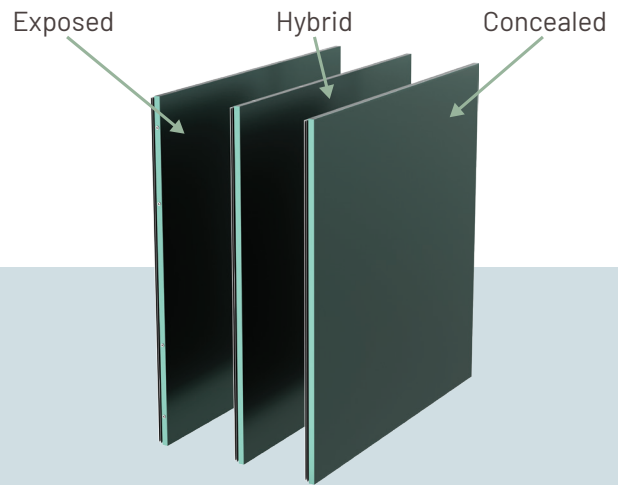
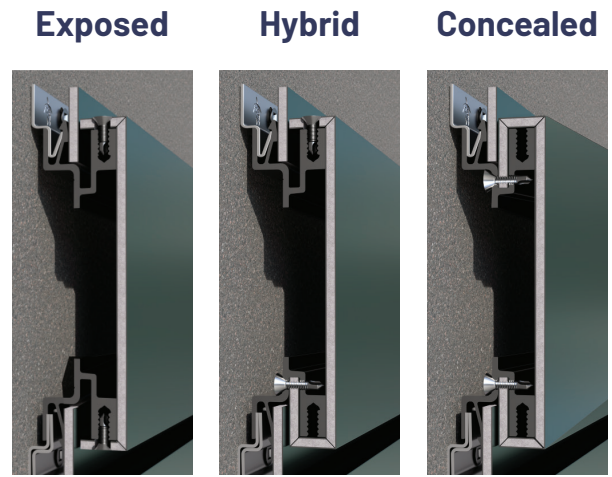
¹ Turtle Rib systems (Exposed & Concealed) tested 0% of 5% allowable moisture on membrane for static and dynamic testing to AAMA 508

² USA & Canada

³ Alloy 6063 T5 Aluminum has a thermal conductivity of approximately 200 W/m-K, which is significantly higher than 304 stainless steel at 16 W/m-K

THREE PANEL MODES

Turtle Rib's versatile design features three distinct panel modes—concealed, exposed, and hybrid—using the same set of parts. This flexibility allows for faster fabrication and better optimization, with the exposed mode highlighting the structural elements for a rugged aesthetic. The concealed mode offers a cleaner look with no visible fasteners, perfect for applications where sleek, uninterrupted surfaces are desired. Additionally, the hybrid option provides a unique, midrange-cost solution for fascia panels, combining the strengths of both concealed and exposed modes, saving on material and labor while enhancing functionality and design adaptability.



EFFECTIVE & COMPLIANT

- NFPA 285-23 compliance¹, listed in Intertek B.P. directory with distinction of being “one of the coolest walls.”
- AAMA 508-21 with 0% water on membrane for both static and dynamic, beyond the standard².
- Contributes extremely high R value / low U value with added Thermal Clip³ substructure.
- Stainless steel clip installs at panel side with a snap fit connection, saving the need to remove panels from the wall to add clips during installation.
- Pre-painted steel starter made from flashing material to color match panels/flashing.



¹ Performance observations included a flame height max of 6 feet (allowable limit: 10 feet) with exterior face temperatures peaking at 617°F (limit: 1000°F), lateral and air cavity temperatures at 311°F (limit: 1000°F), and second-story interior room temperatures maxing out at 128°F (limit: 500°F above the 80.4°F ambient temperature or 580.4°F), a minimal increase of only 47.6°F warmer than the starting temperature.

² Surpassed AAMA 508-21 standards by maintaining membrane moisture levels of less than 1% at when tested at maximum voluntary text pressure of 15 psf, both static and dynamic.

³ Exterior insulated assembly with available 2", 3", 4", 5", & 6" Thermal Clip depth as well as half sizes and multiple layer options.



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