

Evaluation Report – 451UT Center Tall Sill
August 18, 2026

Product Description: Trifab 451UT Storefront, Non-Impact, Center, Tall Sill

Manufacturer: Kawneer Company, 555 Guthridge Court, Norcross, Georgia, 30092

Statement of Compliance: This report evaluates the above-listed product per the requirements of FAC Product Approval Rule Chapter 61G20-3.005 (4). This product complies with the requirements of the 9th Edition (2026) Florida Building Code for use outside the HVHZ. The product testing standards performed are outlined below.

Technical Documentation:

- 1) This report, prepared by Lucas A. Turner, P.E., at 2428 Old Natchez Trc. Trl., Camden, TN
- 2) Approval drawing 451UT-Cntr-TallSill (Rev. 2), signed and sealed by Lucas A. Turner, P.E.
- 3) Test reports K3733.01/02/03/04/05/06-550-47 by Intertek Lithia Springs, GA, with testing performed with equivalency to: AAMA 501-25, ASTM E 283-12/19, ASTM E 330-14/21, ASTM E 331-23, and ASTM E 547-16
- 4) Supplemental Calculations to support 451UT-Cntr-TallSill, signed and sealed by Lucas A. Turner, P.E.

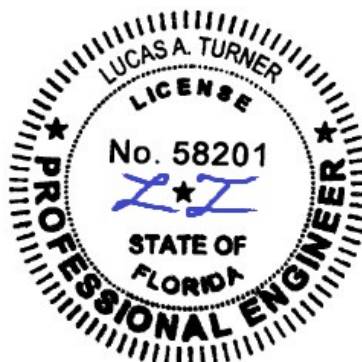
Installation: Units must be installed according to approval document 451UT-Cntr-TallSill.

Limitations of Use: This product:

- May be used in the configurations, panel sizes, maximum glass DLO sizes, and design pressures as shown in 451UT-Cntr-TallSill
- Is non-impact resistant and requires the use of shutters in windborne debris regions
- May not be used in the High Velocity Hurricane Zone
- Requires glazing as indicated in 451UT-Cntr-TallSill
- Requires 6063-T6 aluminum extrusions as indicated in 451UT-Cntr-TallSill

Coastal Compliance:

- Assembly and Installation fastener criteria other than described below shall be in accordance with 451UT-Cntr-TallSill.
- Fasteners used in locations less than or equal to 300 ft from a saltwater coastline, where any portion of the fastener is located to the exterior of the Water-Resistive Barrier (WRB) of the wall construction, or is a Weather-Exposed Surface, or as otherwise required by the Authority Having Jurisdiction (AHJ), shall meet the criteria of FBC Sect. 1711.1.1.1



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Lucas A. Turner, P.E.
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- For wood and metal installation substrates, requires stainless steel, 100 ksi min. ult. (cold worked).
- For concrete/masonry substrates requires 1/4" Simpson Strong-Tie Type 316 Stainless-Steel Titen Turbo or 1/4" Dewalt Aggre-Gator 300 Series SS fasteners.
 - In 2.67 ksi min. solid concrete, requires 1-1/2" min. embedment, Titen Turbo requires 2-1/2" min. edge distance, and Aggre-Gator requires 1-1/2" min. edge distance.
 - In grout-filled CMU, ASTM C-90, requires 2" min. embedment, and 2" min. edge distance.
- Fasteners used in locations less than or equal to 300 ft from a saltwater coastline, where the entire fastener is located to the interior of the WRB of the wall construction, or determined by the Registered Design Professional or AHJ for the project to be located within the Unconditioned Interior of the wall construction, or as otherwise required by the AHJ, shall meet the criteria of FBC Sect. 1711.1.1.2^{††}.
- Fasteners used in locations greater than 300 ft and up to 3000 ft from a saltwater coastline, in any Exterior/Interior location of the wall construction, or as otherwise required by the AHJ, shall meet the criteria of FBC Sect. 1711.1.1.2^{††}

^{††} Carbon steel fasteners A, B, E, and F as indicated in Table 1 meet these criteria with coatings provided by the manufacturer. Climaseal on ITW TEKS fasteners also meet these corrosion resistance criteria. Other fasteners must be galvanized or otherwise coated in accordance with one of the standards provided in FBC Sect. 1711.1.1.2.

Certification of Independence: I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in Kawneer Company or in any company manufacturing or distributing products for which this report is being issued. I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in any other entity involved in the testing or approval process of this product.

