



ICC-ES Listing Report

Reissued June 2024

ESL-1186

This listing is subject to renewal June 2025.

CSI: DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 46 46—Fiber-Cement Siding

Product Certification System:

The ICC-ES product-certification system includes evaluating reports of tests of standard manufactured product, prepared by accredited testing laboratories and provided by the listee, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the listee's quality system.

Products: EQUITONE TECTIVA AND NATURA FIBER-CEMENT PANELS

Listee: EQUITONE

Compliance with the following standards:

- ASTM E330-14, Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference, ASTM International.
- Testing Application Standard (TAS) 202-94, Criteria for Testing Impact and Nonimpact Resistant Building Envelope Components Using Uniform Static Air Pressure, Florida Building Code Test Protocols for High-Velocity Hurricane Zones (7th Edition 2020) - International Code Council.

Description of Products:

The Equitone Tectiva and Natura panels are fiber-reinforced cement panels manufactured from Portland cement, reinforcing fibers, and additives. The Natura panels comply with ASTM C1186 as Type A, Grade III, fiber-cement sheets. The Tectiva panels comply with ASTM C1186 as Type A, Grade IV, fiber-cement sheets. The Natura panels are available in a maximum width of 1280 mm (50.394 inches) in 8 mm and 12 mm (5/16- and 1/2-inch) nominal thickness, and in a maximum length of 2424 mm (95.433 inches). The Tectiva panels are available in a maximum width of 1219 mm (48 inches) in 8 mm (5/16-inch) nominal thickness, and in a maximum length of 2499 mm (98.386 inches). The panels are available in various colors.

Assembly: **FRAMING:** One layer of 5/8-inch-thick (15.9 mm) glass mat gypsum substrate sheathing, complying with ASTM C1177, installed in the horizontal orientation. The sheathing is fastened to the 600S200-43 steel studs with No. 8 x 1 5/8-inch-long (41.3 mm) drywall screws spaced 8 inches (203 mm) on center. The overall frame assembly is 96 inches wide by 120 inches long (2438 mm by 3048 mm). Aluminum vertical top hats are fastened through the sheathing and flanges of the steel stud with No. 12 x 1 1/2 -inch long Hex Washer Head (HWH) TEK screws at 24 inches (610 mm) on center.

EQUITONE PANELS: The Equitone panels are installed over the vertical top hats with Equitone foam tape (6 x 9 mm) and Equitone Uni-rivets every 12 inches (305 mm) on center with a 3/8-inch wide (9.5 mm) reveal between panels. See Figures 1 and 2 for details.

Findings: The Equitone Tectiva and Natura panels, when installed as described in the Assembly section, have the following uniform pressure design loads noted in Table 1 below, based on testing in accordance with ASTM E330 and TAS 202.

Installation: The product must be installed in accordance with Equitone's published installation instructions and applicable codes.

Identification:

1. Equitone Tectiva and Natura Fiber-cement panels are labeled with the Equitone name, address, manufacturing address, the ICC-ES evaluation report (ESR-3910) and / or ICC-ES listing number (ESL-1186), and when applicable, the ICC-ES listing mark.
2. The report holder's contact information is the following:

EQUITONE
1731 FRED LAWSON DRIVE
MARYVILLE, TENNESSEE 37801
(865) 268-0652
www.equitone.com

Conditions of Listing:

1. The listing report addresses only conformance with the standards noted above.
2. Approval of the product's use is the sole responsibility of the local code official.
3. The listing report applies only to the Equitone Tectiva and Natura Panels tested and as submitted for review by ICC-ES.
4. Air infiltration and Water spray testing requirements under TAS 202 are outside the scope of this listing report.
5. Equitone Tectiva and Natura Panels are manufactured in Beckum, Germany and Kapelle-op-den-Bos, Belgium, under a quality control program with inspections by ICC-ES.

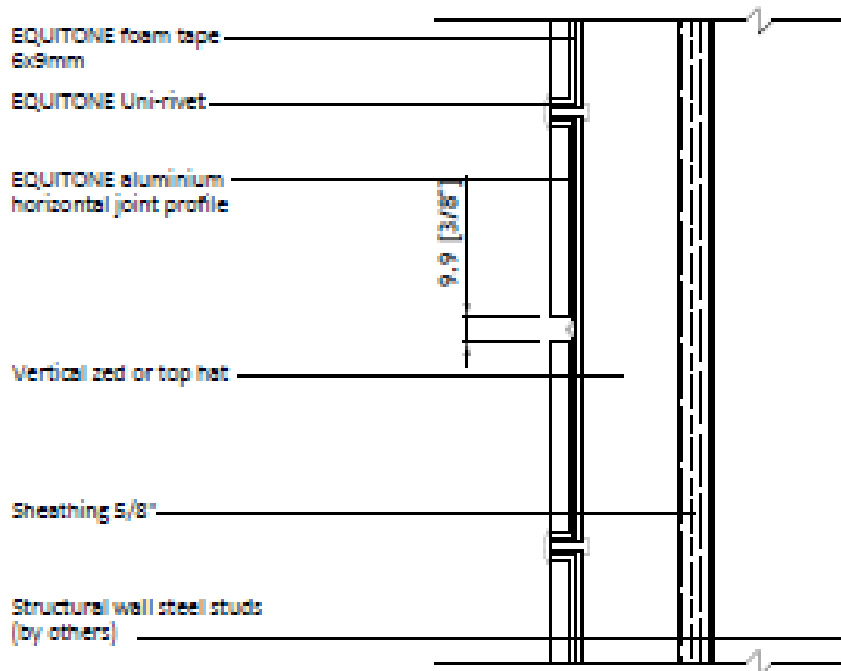
TABLE 1: UNIFORM PRESSURE DESIGN LOAD FOR EQUITONE PANELS²

UNIFORM PRESSURE DESIGN LOAD ¹	PANEL TYPES		
	Natura (8 mm thick)	Natura (12 mm thick)	Tectiva (8 mm thick)
	+ 70 psf / - 70 psf	+ 70 psf / - 70 psf	+ 70 psf / - 70 psf

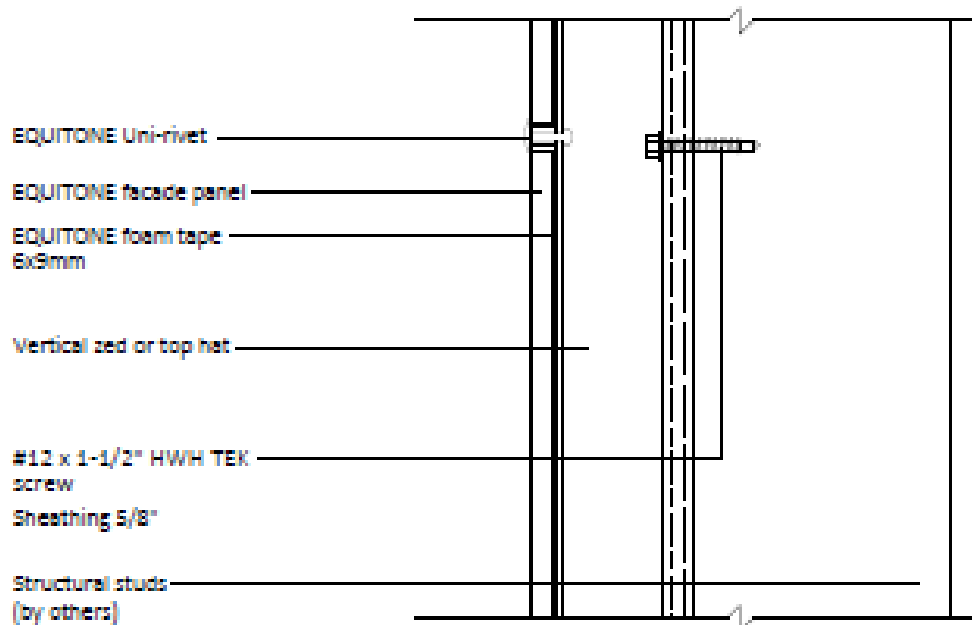
For SI: 1 psf = 0.0479 kPa; 1 inch = 25.4 mm

¹Allowable design load based on Safety Factor of 1.5.

²Air Infiltration and Water Spray testing requirement under TAS 202 are outside the scope of this listing report.

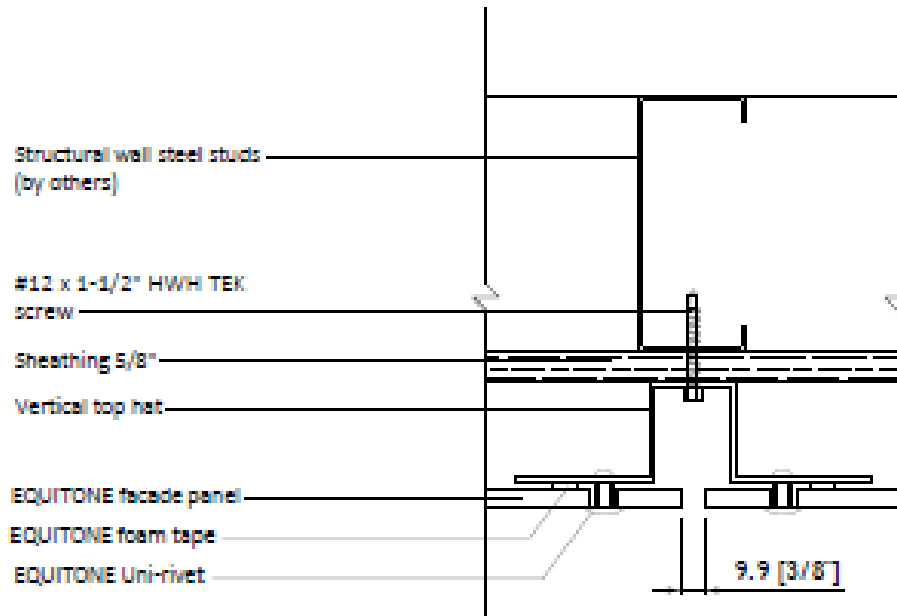


horizontal joint - side section view

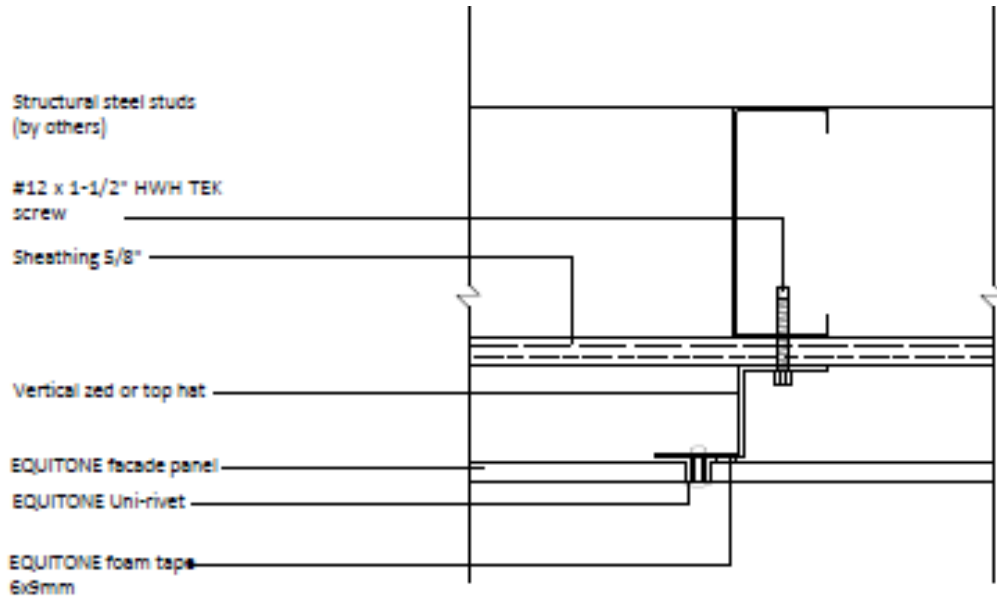


side section view

FIGURE 1: SIDE SECTIONS



vertical joint - plan section view



plan section view

FIGURE 2: PLAN SECTIONS