

**EVALUATION REPORT OF
ISOCINDU ISOPARETE WALL PANELS**

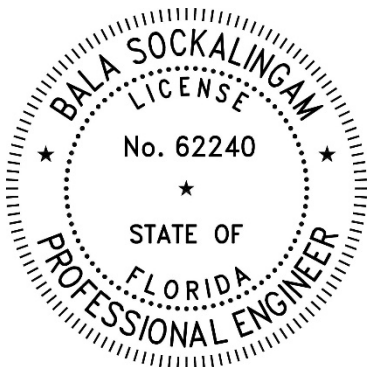
**FLORIDA BUILDING CODE 8TH EDITION (2023)
FLORIDA PRODUCT APPROVAL
FL 42066.1-R1
STRUCTURAL COMPONENTS
STRUCTURAL WALL**

**Prepared For:
ISOCINDU S.A DE C.V
Av. Libre Comercio 137
Puerto Interior, Santa Fe III
Silao, Mexico
Telephone: 52 472 800 7241**

**Prepared By:
Bala Sockalingam, Ph.D., P.E.
Florida Professional Engineer #62240
1216 N Lansing Ave., Suite C
Tulsa, OK 74106
Telephone: (918) 492-5992**

**This report consists of
Evaluation Report (3 Pages including cover)
Installation Details (1 Page)**

**Report No. C2732-1
Date: 9.18.2023**



This item has been digitally signed and sealed by Bala Sockalingam, PE, on the date indicated.

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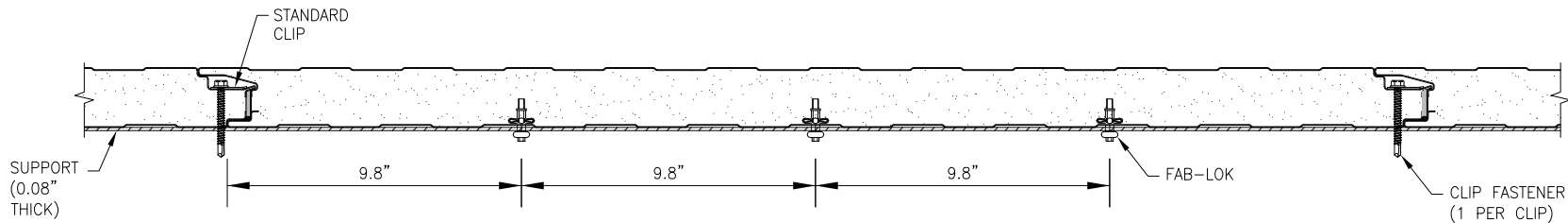
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Manufacturer:	ISOCINDU S.A DE C.V
Product Name:	Isoparete Wall Panels
Panel Description:	Isoparete panels are factory-assembled, metal faced, sandwich panels with a chemically bonded continuously foamed-in-placed foam plastic core. Coverage width: 39-3/8" (1000 mm). Panel thickness: 1-5/8", 2", 2.5", 3", 4", 5" & 6".
Panel Core:	Continuously polyisocyanurate (ISO) core designated as Rubitherm WR 40648 & WR 40544 and Cyclopentane blowing agent. Nominal core density is 2.25 pcf with flame spread index of 25 or less and smoke-developed index of 450 or less when tested in accordance with ASTM E84-16.
Exterior skin:	Min. 26 ga., 37 ksi galvanized coated steel (ASTM A653) with 'Box', 'Plissé or Striated' or 'Piano or Flat' profiles with embossed or smooth finish as per FBC 2023 Section 1405.2.
Interior skin:	Min. 26 ga., 37 ksi galvanized coated steel (ASTM A653) with 'Box' profile with embossed or smooth finish as per FBC 2023 Section 1405.2.
Support Description:	Min 0.08" thick, 50 ksi steel section (Must be designed by others)
Design Pressure: (Factor of Safety = 2)	±35 psf at support spacing of 46.9" or 1190 mm o.c.
Panel Clips:	Standard clip (3-1/8" long, 1-3/16" wide, 1/16" deep, 14 ga. G90 galvanized steel)
Panel Attachment:	Standard clip fastened to min. 0.08" thick steel supports with one EJOT JT3-6-5.5 self-drilling screw. In addition to standard clip fastening, the panels are installed with (3) Fab-Lok fasteners per panel at all supports. Fab-Lok fasteners are spaced at maximum 9.8" or 250 mm from the panel sidelap. Clips and fasteners are corrosion resistant. The panels can be installed in either horizontal or vertical directions.
Expansion Fasteners:	Elco's Fab-Lok® FAS/FAC 10-4, 10-8 or 10-12 expansion fasteners to fasten the interior skin to support.
Test Standards:	Wall assemblies were tested in accordance with FM 4881 'Approval Standard for Class 1 Exterior Wall Systems'. The test procedure in the above test standard complies with the testing requirements of ASTM E330-14 "Standard Test Method for Structural Performance of

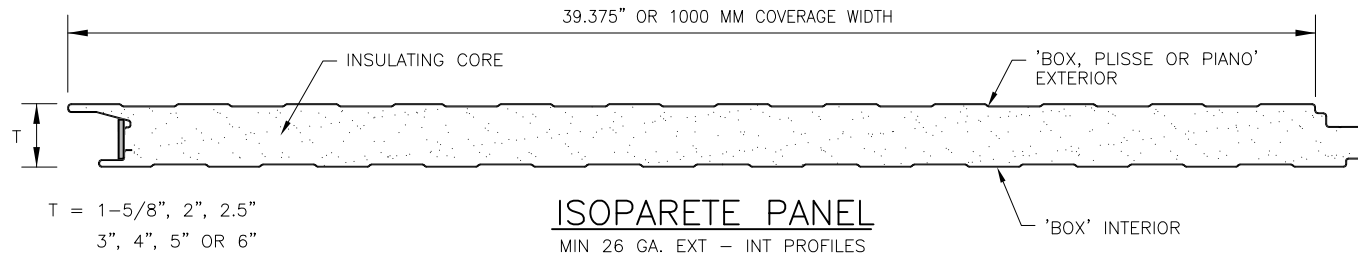
Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference”.

- Test Equivalency: Foam core used in Isoparete panels was tested in accordance with ASTM E84-16 as reported in ICC-ES ESL-1282 report. ASTM E84-16 procedures utilized in this report comply with test procedures prescribed in ASTM E84-18b.
- Code Compliance: The product described herein has demonstrated compliance with FBC 2023 Section 1404.5 and 2603.3. Weather-resistive barrier is not required when butyl sealant and gasket are applied in the panel sidelap in accordance with manufacturer instruction.
- Product Limitations: Design wind loads shall be determined for each project in accordance with FBC 2023 Section 1609 or ASCE 7-22 using allowable stress design. The design pressure for reduced support spacing may be computed using rational analysis prepared by a Florida Professional Engineer. The maximum support spacing listed herein shall not be exceeded. This evaluation report is not applicable in High Velocity Hurricane Zone.
- Supporting Documents: FM 4881 Test Report
FM Approvals
Project No. 0003056859, Reporting Date 6/13/2017

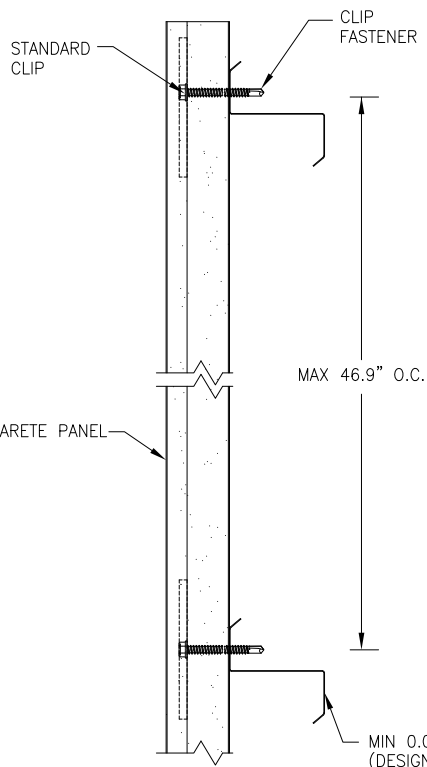
ASTM E84 Test Report
ICC-ES Listing Report
ESL-1282, Reporting Date January 2022



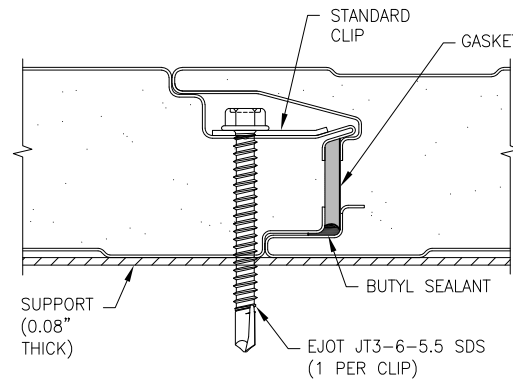
TYPICAL PANEL INSTALLATION X-SECTION



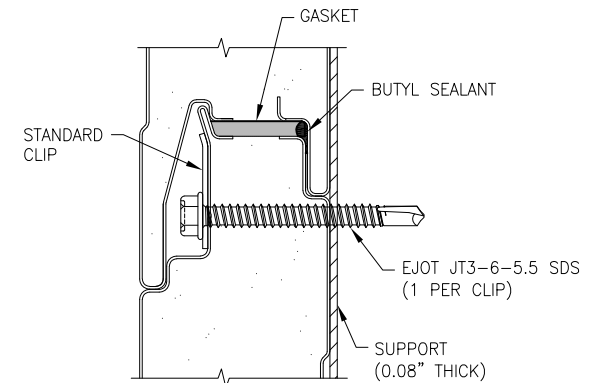
ISOPARETE PANEL
MIN 26 GA. EXT - INT PROFILES



SECTION VIEW



VERTICAL DIRECTION



HORIZONTAL DIRECTION

PANEL SIDELAP

GENERAL NOTES:

1. THIS STRUCTURAL WALL PANEL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE (FBC). THE DESIGN PRESSURES AS DETERMINED FROM SECTION 1609 AND ASCE 7-22 MUST BE MULTIPLIED BY 0.6.
2. PANELS ARE MAX 39.375" (1000 MM), CONSIST OF MIN. 26 GA. (t = 0.018" MIN.) EXTERIOR OR INTERIOR STEEL SKINS (Fy = MIN. 37 KSI) AND ARE SANDWICHED WITH FOAMED-IN-PLACE NON-CFC 2.25 LB/CU. FT. DENSITY POLYISOCYANURATE.
3. PANELS SHALL BE INSTALLED OVER WALL STRUCTURE AS SPECIFIED ON THIS DRAWING.
4. PANELS MUST BE INSTALLED OVER MIN. 2 SUPPORTS. HORIZONTAL SEAMS MAY BE PRESENT AT CENTERLINE OF SUPPORTS PROVIDING THE SEAMS ARE FLASHED & PROPERLY SEALED PER ISOCINDU SPECIFICATIONS AND EACH PANEL END IS SECURED PER THIS DRAWING.
5. REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED FOR EACH PROJECT. THIS PANEL SYSTEM MAY NOT BE INSTALLED WHEN THE REQUIRED DESIGN WIND LOADS ARE GREATER THAN THE ALLOWABLE WIND LOADS.
6. ALL SCREWS SHALL BE CORROSION RESISTANT SCREWS.
7. THE SUPPORTING STRUCTURE, OVER WHICH THE PANELS ARE TO BE INSTALLED, MUST BE MINIMUM 0.08" STEEL WITH MIN. Fy = 50 KSI.
8. THESE WALL PANELS SHALL NOT BE CONSIDERED TO OR BE USED FOR TRANSFER OF DIAPHRAGM ACTION OF WALL TO SUPPORTING STRUCTURE.

DRAWN BY: B.S.	CHECKED BY: B.C.
PLOT:	DATE: 5/3/2023
DATE	
BY	
REVISION DESCRIPTION	
NO	
DRAWING TITLE ISOPARETE WALL PANELS CONSULTANTS BALA SOCKALINGAM, PH.D., P.E. 1216 N LANSING AVE, SUITE C TULSA, OK 74106 PHONE: 918-492-5992 FAX: 866-366-1543	
MANUFACTURER ISOCINDU SA DE CV Av. Libre Comercio 137 Puerto Interior, Santa Fe III Silao, Mexico 52 472 500 7281	
DRAWING NO. 2732-1	REV.
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