EVALUATION REPORT OF
KIRBY BUILDING SYSTEMS
'A-PANEL'

FLORIDA BUILDING CODE 8TH EDITION (2023)
FLORIDA PRODUCT APPROVAL
FL 47402.1
PANEL WALLS
SIDING

Prepared For:
Kirby Building Systems
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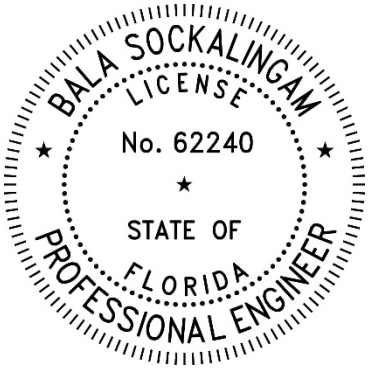
This report consists of
Evaluation Report (3 Pages including cover)
Installation Details (2 Pages)

Report No. C2890-3
Date: 3.26.2025



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

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Manufacturer:	Kirby Building Systems
Manufacturing Locations:	200 Whetstone Road, Swansea, SC 29160 600 Apache Trail, Terrell, TX 75160 124 Kirby Drive, Portland, TN 37148
Product Name:	A-Panel
Panel Description:	36" wide coverage with (4) 1.25" deep inverted ribs
Materials:	Min 24 ga. with galvanized coated steel (ASTM A653) or Galvalume coated steel (ASTM A792) or painted steel (ASTM A755) as per FBC 2023 Section 1405.2 and 2222.4.3. Yield Stress 80 ksi.
Support Description:	Min 16 ga., min 50 ksi steel section (Must be designed by others)
Design Pressures:	±50 psf at support spacing of 5' ±112 psf at support spacing of 2'
Panel Allowable:	For use in HVHZ with deflection limit of L/240 Maximum bending moment at support: 156.3 lb.ft/ft Maximum bending moment at midspan: 87.9 lb.ft/ft Maximum reaction at support: 253.3 lb/ft Panel EI: 1291557 lb.in^2/ft
Panel Attachment:	#12-14 x 1-1/4" long self-drilling hex-head screws with washer. Corrosion resistant as per FBC 2023 Section 1405.17.
At interior supports	at 12" o.c. across panel width
At panel ends	at 12" o.c. across panel width
Sidelap Attachment:	¼"-14 x 7/8" long self-drilling screws with washer at max. 12" o.c. Corrosion resistant as per FBC 2023 Section 1405.17.
Test Standards:	Wall assembly tested in accordance with TAS 201-94 "Impact Test Procedures", TAS 202-94 "Criteria for Testing Impact & Non-Impact Resistant Building Envelope Components using Uniform Static Air Pressure" and TAS 203-94 "Criteria for Testing Products Subject to Cyclic Wind Pressure Loading".
Code Compliance:	The product described herein has demonstrated compliance with the requirements of High Velocity Hurricane Zone of FBC 2023, Sections 1404.5 and 1405.1.
Product Limitations:	Design wind loads shall be determined for each project in accordance with FBC 2023 Section 1609 or 1620 or ASCE 7-22

using allowable stress design. The maximum panel span listed herein shall not be exceeded. The design pressure for other support spacing may be computed using rational analysis prepared by a Florida Professional Engineer. This evaluation report is applicable in High Velocity Hurricane Zone.

Supporting Documents: TAS 201, 202 & 203 Test Report
Farabaugh Engineering and Testing Inc.
Project No. T160-25, Reporting Date 3/19/2025

(Kirby Building Systems is authorized to use Nucor Building Group's Test Reports)