



CONSTRUCTION MATERIALS

TECHNOLOGIES

LABORATORY TEST REPORT

Report for: Global Innovation, LLC
496 SW Ring Court
Lake City, FL 32025

Attention: Nick Rimert

Assembly:	Endureed "Regions"	Manufacturer:	Global Innovation, LLC
Project No.:	CCR-009-02-01	Source:	Global Innovation, LLC
Date Received:	See Sampling	Date Tested:	August 4, 2016

Purpose: Determine the simulated wind uplift pressure resistance for the specified roof assembly in accordance with ***UL 1897 UPLIFT TESTS FOR ROOF COVERING SYSTEMS***.

Test Methods: Testing was conducted as described in *UL 1897-04 UPLIFT TESTS FOR ROOF COVERING SYSTEMS* using a 12' x 12' negative pressure chamber mounted over the test specimen.

Sampling: The following materials were received by PRI.

<u>Product</u>	<u>Source</u>	<u>Date</u>
Endureed "Regions"	Lake City, FL	Jul. 27, 2016
11 ga. x 1-3/4" SS ring shank roofing nails	Lake City, FL	Jul. 27, 2016
SOPREMA Elastophene Stick HR FR GR	Lake City, FL	Jul. 27, 2016

All other roofing components were procured by PRI Construction Materials Technologies LLC through local distribution.

Conditioning: Specimens were cured less than 28 days prior to testing.

CCR-009-02-01A PRI-CMT Accreditations: IAS TL-189; Miami-Dade 14-1215.01; Florida TST5878; LADBS TA24819; CRRC

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Results: Testing was performed at ambient conditions. Test pressures were increased by 15 psf increments and maintained at each interval for 1 minute. Results are shown below. Installation photographs are contained in Appendix A. Raw data are attached in Appendix B.

Table 1. Uplift Results for Assembly #1

Component:	Description	Attachment	Attachment Detail	Passing Uplift Pressure (psf)
Deck:	APA rated 15/32 CAT PS1-09, CDX plywood sheathing over nominal No. 2 wood rafters/trusses at 24-inch o.c.	0.113" x 2-3/8" ring shank nails	6" o.c. at the perimeter and along intermediate supports	165
Roof Covering:	Elastophene Stick HR FR GR Min. 2.75" wide laps	Self-adhered	Fully bonded	
Surfacing:	Endureed "Regions" Min. 8-inch exposure Panels abutted end-to-end	11 ga. x 1.75" SS ring shank roofing nails	Four (4) nails per panel placed in predrilled holes approximately 1.25-1.75" from either end and 13" o.c. between end nails	

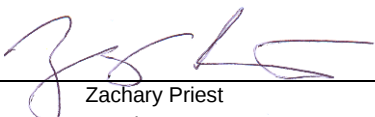
Remarks: None.

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Statement of Compliance:

Testing was conducted in accordance with **UL 1897 Uplift Tests for Roof Covering Systems**.

Signed: 
Zachary Priest
Director

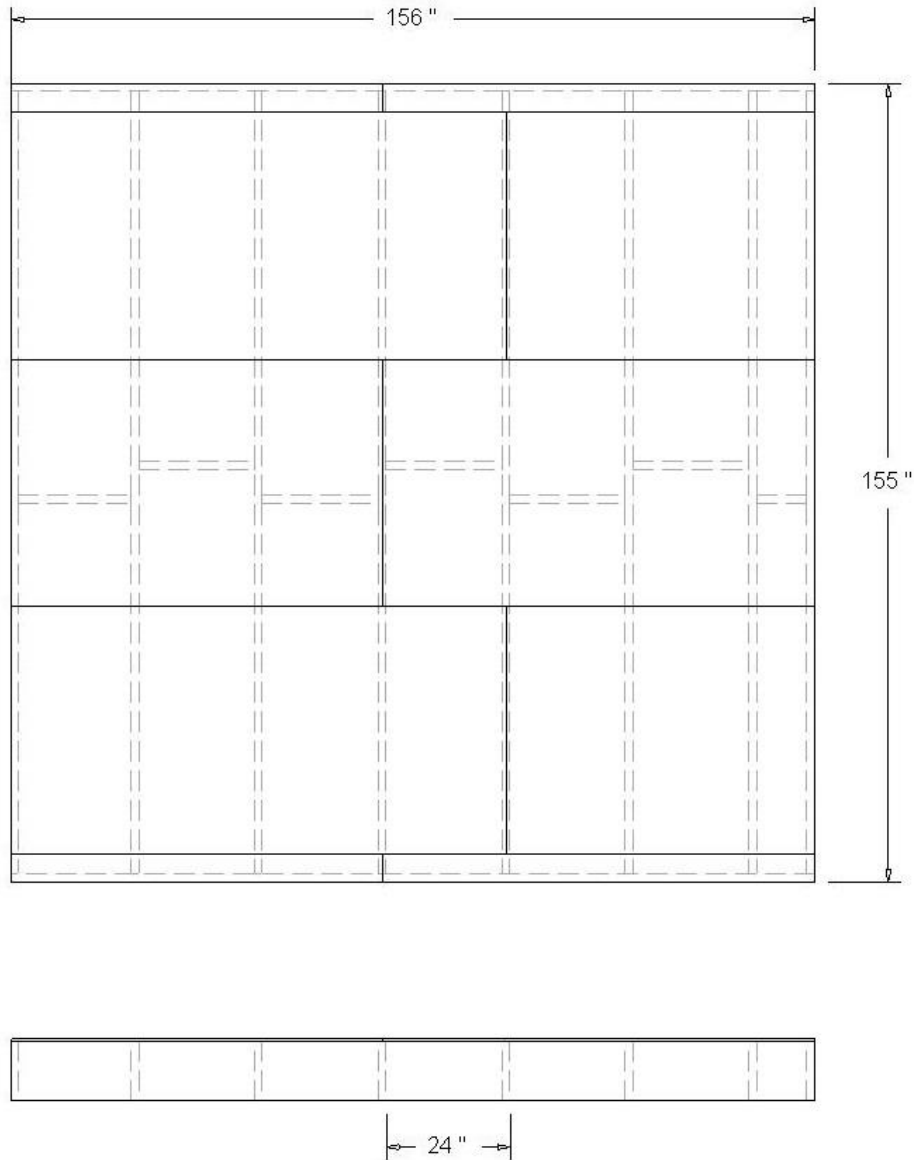
Report Issue History:

Issue #	Date	Pages	Revision Description (if applicable)
Original	08/16/2016	6	NA

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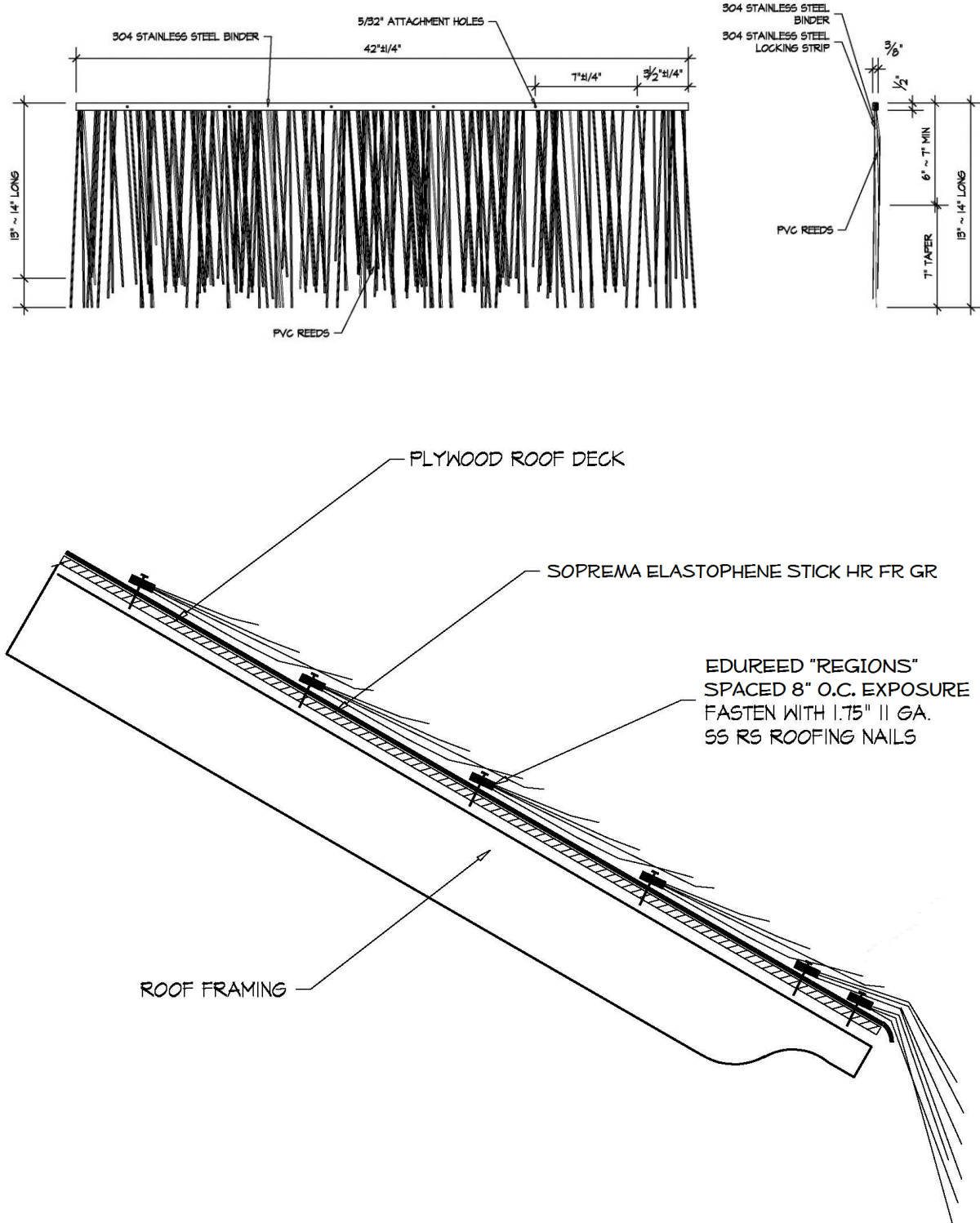
**Deck Layout for all Assemblies
(Dimensions in inches)**

Direction of plywood grain →



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Raw Data from Uplift Testing for Assembly #1

Property	Results
Max Passing Load, (psf)	165
Failing Load, (psf)	180
Failing Time, (sec)	30
Failure Mode	Lap delaminate
Est. Design Pressure, (psf)	-82.5
Load per Fastener, (lbf)	N/A



END OF REPORT

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