



City of Gainesville
Department of Doing
Planning Division

PO Box 490, Station 11
Gainesville, FL 32627-0490
306 NE 6th Avenue
P: (352) 334-5022
F: (352) 334-2648

HISTORIC PRESERVATION BOARD STAFF REPORT

PUBLIC HEARING DATE: April 03, 2018

ITEM NO: 3

PROJECT NAME AND NUMBER: HP-18-28 26 SE 9th Street

APPLICATION TYPE: Quasi-Judicial: re-roof metal

RECOMMENDATION: Staff recommends approval of the application with the condition that the roof be standing seam or 5V Crimp and that the finish be Galvalume or a light to medium gray paint finish.

CITY PROJECT CONTACT: Cleary Larkin

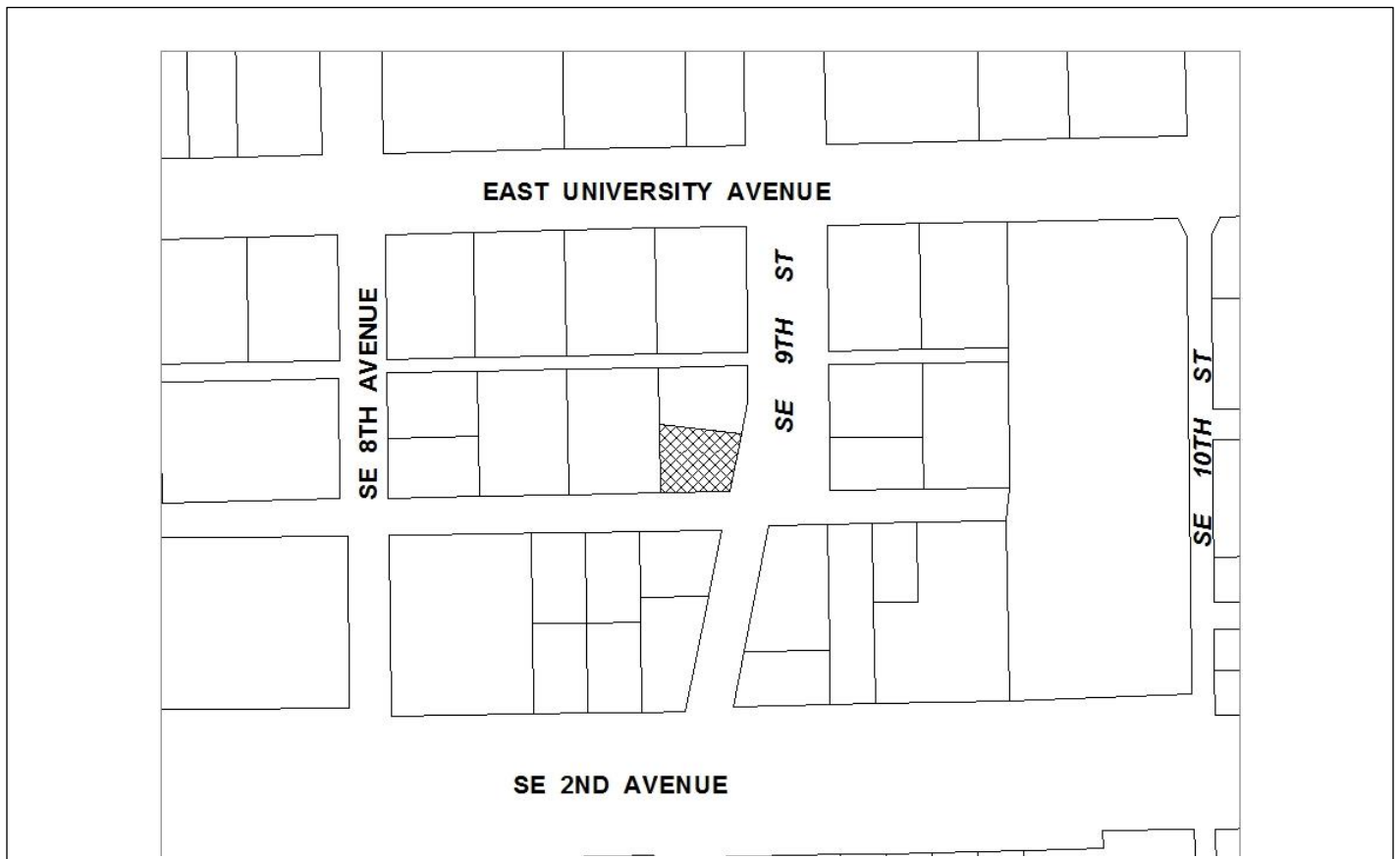


Figure 1: Location Map

APPLICATION INFORMATION:

Agent/Applicant: Crozier & Sons Roofing, Inc.

Property Owner(s): JEH Associates

SITE INFORMATION:

Address: 26 SE 9th Street

Parcel Number(s): 12640-001-000

Existing Use(s): Single-Family Residential

Zoning Designation(s): Urban 3

Historic District: Southeast

Historic District Status: Contributing

Date of construction: c. 1935 (ACPA)

PURPOSE AND DESCRIPTION:

JEH Associates, owner. Crosier & Sons Roofing, Inc., applicant. Replace existing modified roofing material with metal roofing. Located at 26 SE 9th Street. This building is contributing to the Southeast Residential Historic District.

STAFF REVIEW AND RECOMMENDATION:

EXISTING

The existing house is a one-story, wood-sided vernacular cottage, with minimal architectural detailing. The gable-end of the roof is facing the street. The existing roofing is non-historic, architectural shingle, with an existing modified overlay roofing on top. (See Exhibit 2)

PROPOSED

The applicant is proposing to move the existing roof and update the decking per code requirements. The applicant proposes a new synthetic underlayment and 1x4 purlins at 24" o.c. The proposed roofing is a Galfrib 26-gauge metal panel roofing System from GulfCoast Supply; panels are ¾ inch ribs every nine inches. (See Exhibits 1, 3)

REVIEW

Roofs are a highly visible component of historic buildings and are an integral part of a building's overall design and architectural style. The Historic Preservation Board discussed and adopted a

policy on April 2, 2013 concerning styles of metal roofing which would be allowed within the historic districts. The Historic Preservation Board approves metal roofing on a case-by-case basis depending on the style and use of the building. Recommended metal roofing for most buildings in the historic district is a 5v crimp or standing seam metal, as spacing of these roofs is more sympathetic with historic metal roofs, and exposed fasteners are not as numerous or visible.

Basis for Approval – Secretary of the Interior’s Standards for Rehabilitation

Consideration of a Certificate of Appropriateness application is pursuant to Section 30-3.5 of the Land Development Code and the Secretary of Interior’s Standards for Rehabilitation which serves as the basis for the City of Gainesville’s Historic Preservation Rehabilitation and Design Guidelines. The Historic Preservation Board shall adhere to the preservation principles of maintaining historic fabric and compatibility with surrounding properties.

The ***Historic Preservation Rehabilitation and Design Guidelines***, based on the Secretary of Interior Standards for Rehabilitation, which has become the authoritative guidelines for rehabilitation, list the following:

Roof and Roof Structures

Applicable Secretary Standards

- 2. The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.*
- 4. Most properties change over time; those changes that have acquired historic significance in their own right shall be retained and preserved.*
- 5. Distinctive features, finishes and construction techniques or examples of craftsmanship that characterize a historic property shall be preserved.*
- 6. Deteriorated historic features shall be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature shall match the old in design, color, texture and other visual qualities and, where possible, materials. Replacement of missing features shall be substantiated by documentary, physical or pictorial evidence.*
- 9. New additions, exterior alterations or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale and architectural features to protect the historic integrity of the property and its environment.*

In planning roof repairs, it is important to identify significant features and materials and treat them with sensitivity under Standards 2 and 5. Under Standard 6, significant features and materials should be repaired rather than replaced. If replacement of a deteriorated feature is necessary, the new materials should closely match the original.

Roofs perform an essential function in keeping a building weather tight. As a result, they are particularly subject to change. In the local district the most common original roofing materials were embossed or crimped sheet metal and sawn wood shingles. Virtually all-original wood shingle coverings have been removed and often replaced with ornamental sheet metal. Such historic changes to roofs have gained significance in their own right and should be respected under Standard 4.

Where existing roofing material is non-original and not significant, there is greater flexibility. The existing roof may be retained, or replaced in a manner known to be accurate based on documentation or physical evidence, or treated in a contemporary style in compliance with Standards 6 and 9. In reviewing replacement of non-historic roof surfacing, it is important to keep in mind, Standard 9. Even if the existing surfacing is inappropriate, the replacement material must be compatible with the overall design of the building.

RECOMMENDATION

Staff recommends approval of the application with the condition that the roof be standing seam or 5V Crimp and that the finish be Galvalume or a light to medium gray paint finish.

LIST OF EXHIBITS:

- | | |
|-------------------------|---------------------------|
| <u>Exhibit 1</u> | COA Application |
| <u>Exhibit 2</u> | Photographs |
| <u>Exhibit 3</u> | Proposed Materials |



HISTORIC PRESERVATION BOARD

COA APPLICATION

■ REQUIREMENTS

Planning & Development Services 306 N.E. 6th Avenue

Gainesville, Florida 32601

352.334.5022 Fax 352.334.3259

www.cityofgainesville.org/planningdepartment

DID YOU REMEMBER?

CONTACT THE HISTORIC PRESERVATION OFFICE FOR A PRELIMINARY DESIGN REVIEW APPOINTMENT. 334.5022

REVIEW THE CHECKLIST FOR A COMPLETE SUBMITTAL (If all requirements are not submitted it could delay your approval.)

PROVIDE 1 ORIGINAL SET OF PLANS TO SCALE (no larger than 11" x 17", writing to be legible) SHOWING ALL DIMENSIONS AND SETBACKS.

LIST IN DETAIL YOUR PROPOSED REPAIR AND/OR RENOVATION

ATTACH A SITE PLAN OR CERTIFIED SURVEY

PROVIDE PHOTOGRAPHS OF EXISTING CONDITIONS

IF YOUR COA IS A HISTORIC PRESERVATION BOARD APPROVAL, 10 COLLATED REDUCED INDIVIDUAL SETS OF THE PLANS WILL BE NEEDED FOR SUBMITTAL.

AFTER THE PRE-CONFERENCE, TURN IN YOUR COMPLETED COA APPLICATION TO THE PLANNING COUNTER (1ST FLOOR, THOMAS CENTER-B), PAY APPROPRIATE FEES, AND PICK UP PUBLIC NOTICE SIGN TO BE POSTED 10 DAYS IN ADVANCE OF THE MEETING.

CHECKLIST REMINDER

MAKE SURE YOUR APPLICATION HAS ALL THE REQUIREMENTS ATTACHED.

FAILURE TO TIMELY COMPLETE THE APPLICATION, COMPLY WITH THE INSTRUCTIONS, AND SUBMIT THE NECESSARY DOCUMENTATION WILL RESULT IN DEFERRAL OF YOUR PETITION TO THE NEXT MONTHLY MEETING.

RECEIVED
STAMP

PROJECT TYPE: Addition ☐ Alteration ☐ Demolition ☐ New Construction ☐ Relocation ☐
Repair ☐ Fence ☐ Re-roof ☐ Other ☐

PROJECT LOCATION:

Historic District: 26 SE 9th St.Site Address: 26 SE 9th St.Tax Parcel # 12640-001-000

OWNER

Jelt Associates
Owner(s) Name

Corporation or Company

625 NE 6th St.

Street Address

Gainesville, FL 32601

City State Zip

239-438-5394

Home Telephone Number

Cell Phone Number

Fax Number

E-Mail Address

APPLICANT OR AGENT

Clayton L. Crosier
Applicant NameCrosier & Son Roofing
Corporation or Company6721 NW 18th Dr.

Street Address

Gainesville, FL 32653

City State Zip

Home Telephone Number

352-372-0200

Cell Phone Number

Fax Number

352-372-0583

E-Mail Address

clayton@crosierroofing.com

TO BE COMPLETED BY CITY STAFF

Fee: \$ 121.50

(PRIOR TO SUBMITTAL AT PLANNING COUNTER)

EZ Fee: \$ 60.75HP # 18-00028Contributing Y X N

Zoning

Pre-Conference Y N

Application Complete Y N

Received By

Date Received

Request for Modification of Setbacks

Y N

- ☐ Staff Approval—No Fee (HP Planner initial _____)
- ☐ Single-Family requiring Board approval (See Fee Schedule)
- ☐ Multi-Family requiring Board approval (See Fee Schedule)
- ☐ Ad Valorem Tax Exemption (See Fee Schedule)
- ☐ After-The-Fact Certificate of Appropriateness (See Fee Schedule)
- ☐ Account No. 001-660-6680-3405
- ☐ Account No. 001-660-6680-1124 (Enterprise Zone)
- ☐ Account No. 001-660-6680-1125 (Enterprise—Credit)

PROJECT DESCRIPTION

1. DESCRIBE THE EXISTING CONDITIONS AND MATERIALS Describe the existing structure(s) on the subject property in terms of the construction materials and site conditions as well as the surrounding context.

Modified Roofing material over shingles on existing main house.

2. DESCRIBE THE PROPOSED PROJECT AND MATERIALS Describe the proposed project in terms of size, affected architectural elements, materials, and relationship to the existing structure(s). Attach further description sheets, if needed.

Remove 2 layers of existing roof
Nail off deck according to code.
Install Rhin Guard Synthetic Underlayment.
Install 1 x 4 purlins w 2" oc.
Install 26 gauge Galvalume metal panels

DEMOLITIONS AND RELOCATIONS

Especially important for demolitions, please identify any unique qualities of historic and/or architectural significance, the prevalence of these features within the region, county, or neighborhood, and feasibility of reproducing such a building, structure, or object. For demolitions, discuss measures taken to save the building/structure/object from collapse. Also, address whether it is capable of earning a reasonable economic return on its value. For relocations, address the context of the proposed future site and proposed measures to protect the physical integrity of the building.) Additional criteria for relocations and demolitions: Please describe the future planned use of the subject property once vacated and its effect on the historic context.

MODIFICATION OF EXISTING ZONING REQUIREMENTS.

Any change shall be based on competent demonstration by the petitioner of Section 30-112(d)(4)b.

Please describe the zoning modification and attach completed, required forms.

DID YOU REMEMBER?

CHECK YOUR ZONING AND
SETBACKS FOR
COMPLIANCE

REVIEW THE HISTORIC
PRESERVATION
REHABILITATION AND
DESIGN GUIDELINES

REVIEW THE SECRETARY
OF INTERIOR'S STANDARDS
FOR REHABILITATION

CHECK TO SEE IF YOU
WOULD BE ELIGIBLE FOR A
TAX EXEMPTION FOR
REHABILITATION OF A
HISTORIC PROPERTY

THE HPB MEETINGS ARE
HELD MONTHLY AT CITY
HALL, 200 EAST

UNIVERSITY AVENUE,
GAINESVILLE, FL 32601, CITY
HALL AUDITORIUM AT 5:30PM.
THE SCHEDULE OF MEETINGS
IS AVAILABLE ON THE
PLANNING DEPARTMENT
WEBSITE.

THE HISTORIC PRESERVATION
OFFICE STAFF CAN PROVIDE
ASSISTANCE AND GUIDANCE
ON THE HP BOARD'S REVIEW
PROCESS, AND ARE AVAILABLE
TO MEET WITH PROPERTY
OWNERS OR AGENTS. IF YOU
NEED ASSISTANCE, PLEASE
CONTACT THE HISTORIC
PRESERVATION PLANNER AT
(352) 334-5022 OR (352) 334-
5023.

**PERSONS WITH DISABILITIES
AND CONTACT
INFORMATION**

PERSONS WITH DISABILITIES
WHO REQUIRE ASSISTANCE TO
PARTICIPATE IN THE MEETING
ARE REQUESTED TO NOTIFY
THE EQUAL OPPORTUNITY
DEPARTMENT AT 334-5051
(TDD 334-2069) AT LEAST 48
HOURS PRIOR TO THE
MEETING DATE.
FOR ADDITIONAL
INFORMATION, PLEASE CALL
334-5022.

OVERVIEW

The Historic Preservation Board (HPB) is an advisory board to the City of Gainesville's Commission composed of citizens who voluntarily, without compensation commit their time and expertise to the stewardship of historic resources in our community.

The HPB approval is a procedure which occurs for alterations, construction, restorations, or other significant changes to the appearance of an structure in Gainesville's Historic Districts which have an impact on the significant historical, architectural, or cultural materials of the structure and/or the district. The City's historic review guidelines are available online at www.cityofgainesville.org/planningdepartment and within the Land Development Code, Section 30-112.

After submission of an application, the Historic Preservation Planner prepares a written recommendation for the board meeting which addresses whether the proposed changes are compatible with the criteria of the SECRETARY OF INTERIOR'S STANDARDS FOR REHABILITATION and the City of Gainesville's HISTORIC PRESERVATION REHABILITATION AND DESIGN GUIDELINES. Once staff has prepared and completed the staff report, an Agenda of the proposed meeting and the staff report will be posted online approximately 5 to 7 days prior to the HPB meeting and can be found at www.cityofgainesville.org/planningdepartment — Citizen Advisory Boards — Historic Preservation Board.

Public notice signage is required to be posted at the property by the applicant no later than 10 days prior to the scheduled Historic Preservation Board meeting. The notarized Public Notice Signage Affidavit must be submitted once the sign is posted.

The applicant and/or owner of the property should be present at the Historic Preservation Board meeting and be prepared to address inquiries from the board members and/or the general public. The HPB meeting is a quasi-judicial public hearing with procedural requirements. The review body may approve, approve with conditions, or deny projects. It is not necessary for owners to be present at the HPB meeting if your COA has been staff approved.

In addition to a Certificate of Appropriateness (COA), a building permit may be required for construction from the Building Department. This is a separate process with submittal requirements. Building permits will not be issued without proof of a COA and the Historic Preservation Planner signing the building permit. After the application approval, the COA is valid for one year.

Please post the CERTIFICATE OF APPROPRIATENESS at or near the front of the building.

CERTIFICATION

BY SIGNING BELOW, I CERTIFY THAT THE INFORMATION CONTAINED IN THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AT THE TIME OF THE APPLICATION. I ACKNOWLEDGE THAT I UNDERSTAND AND HAVE COMPLIED WITH ALL OF THE SUBMITTAL REQUIREMENTS AND PROCEDURES AND THAT THIS APPLICATION IS A COMPLETE SUBMITTAL. I FURTHER UNDERSTAND THAT AN INCOMPLETE APPLICATION SUBMITTAL MAY CAUSE MY APPLICATION TO BE DEFERRED TO THE NEXT POSTED DEADLINE DATE.

1. I/We hereby attest to the fact that the above supplied parcel number(s) and legal description(s) is (are) the true and proper identification of the area of this petition.
2. I/We authorize staff from the Planning and Development Services Department to enter onto the property in question during regular city business hours in order to take photos which will be placed in the permanent file.+
3. I/We understand that Certificates of Appropriateness are only valid for one year from issuance.
4. It is understood that the approval of this application by the Historic Preservation Board or staff in no way constitutes approval of a Building Permit for construction from the City of Gainesville's Building Department.
5. The COA review time period will not commence until your application is deemed complete by staff and may take up to 10 days to process.
6. Historic Preservation Board meetings are conducted in a quasi-judicial hearing and as such ex-parte communications are prohibited (Communication about your project with a Historic Preservation Board member).

SIGNATURES

Owner

Applicant or Agent



Date

Date

2/27/18 5



PROPERTY OWNER AFFIDAVIT

Owners Name:

JEH Associates

Address:

26 SE 9th St.

Phone: 239-438-5394

Email:

Agent Name:

Crosier & Son Roofing, Inc.

Address:

6721 NW 18th Dr. Gainesville,

Phone: 352-372-0200

Email: Debbie@crosierroofing.com

Parcel No.: 12640-001-000

Acreage:

S:

T:

R:

I hereby certify that: I am the owner of the subject property or a person having a legal or equitable interest therein. I authorize the above listed agent to act on my behalf for the purposes of this application.

Property owner signature: [Signature]

Printed name: Elizabeth W. Hausauer

Date: 2/28/18

The foregoing affidavit is acknowledged before me this 28th day of Feb., 2018 by Lis Hausauer, who is/are personally known to me, or who has/have produced Id. D.B. as identification.

NOTARY SEAL

Signature of Notary Public, State of Fla.

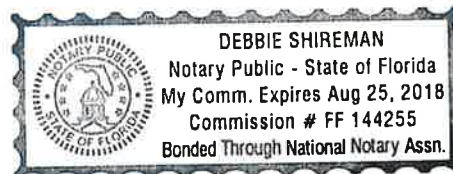






EXHIBIT 2





FLORIDA PRODUCT APPROVAL

GULFRIB™26 GAUGE GULFRIB™ PANEL OVER 1X4 WOOD PURLINS OVER 15/32" PLYWOOD
FLORIDA PRODUCT APPROVAL NO. 11651.21 R2**Product Evaluation Report**
GULF COAST SUPPLY & MANUFACTURING, LLC.**26 Ga. GulfRib™ Roof Panel over 1x4 Wood Purlins over 15/32" Plywood****Florida Product Approval #11651.21 R2**

Florida Building Code 2014

Per Rule 61G20-3

Method: 1 -D

Category: Roofing**Subcategory: Metal Roofing**

Compliance Method: 61G20-3.005(1)(d)

NON HVHZ

Product Manufacturer:
Gulf Coast Supply & Manufacturing, LLC.

14429 SW 2nd Place, Suite G30

Newberry, FL 32669

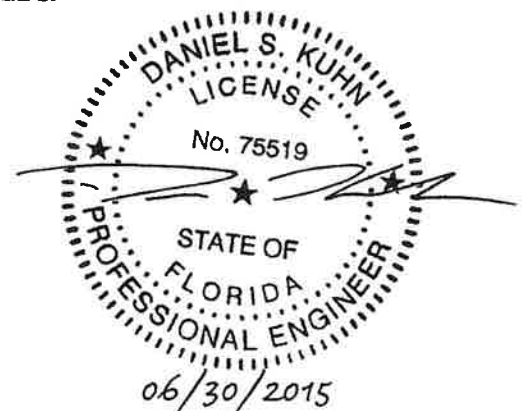
Engineer Evaluator:**Dan Kuhn, P.E. #75519**

Florida Evaluation ANE ID: 10743

Validator:**Locke Bowden, P.E. #49704**

9450 Alysbery Place

Montgomery, AL 36117

**Contents:****Evaluation Report Pages 1 – 5**

FL# 11651.21 R2 • JUNE 15, 2015

PRODUCT EVALUATION REPORT**KUHN ENGINEERING, LLC**

11670 ISLAND LAKES LANE, BOCA RATON, FL 33498 • FL COA #30464



FLORIDA PRODUCT APPROVAL

GULFRIB™

26 GAUGE GULFRIB™ PANEL OVER 1X4 WOOD PURLINS OVER 15/32" PLYWOOD
 FLORIDA PRODUCT APPROVAL NO. 11651.21 R2

- Compliance Statement:** The product as described in this report has demonstrated compliance with the Florida Building Code 2014, Sections 1504.3.2, 1504.7.
- Product Description:** GulfRib™, 3/4" Rib Roof Panel, Minimum 26 Ga. Steel, 36" Coverage, through fastened roof panel over Minimum 1x4 Wood Purlins over minimum 15/32" Plywood Decking. Non Structural application.
- Panel Material/Standards:** Material: Minimum 26 Ga. Steel, ASTM A792 or ASTM A653 G90 conforming to Florida Building Code 2014 Section 1507.4.3.
 Paint Finish Optional
 Yield Strength: Min. 80.0ksi
 Corrosion Resistance: Panel Material shall comply with Florida Building Code 2014, Section 1507.4.3.
- Panel Dimension(s):** Thickness: 0.018" Minimum
 Width: 36" Coverage
 Rib Height: 3/4" Major Rib at 9" O.C.
- Panel Fastener:** #9-15x1.5" HWH with sealing washing or approved equal
 1/4" minimum penetration through plywood.
 Corrosion Resistance: Per Florida Building Code 2014, Section 1506.6, 1507.4.4
- Substrate Description:** Minimum 1x4 No. 2 SYP wood purlins over min. 15/32" thick, APA Rated plywood over supports at maximum 24" O.C. The 1x4 wood purlins shall be fastened to the plywood with minimum 8D x 2 1/2" Ring Shank Nails at 4" O.C. Design of 1x4 wood purlins, plywood and plywood supports are outside the scope of this evaluation. Must be designed in accordance w/ Florida Building Code 2014.

Design Uplift Pressures:**Table "A"**

Maximum Total Uplift Design Pressure	109.25 psf	164.25 psf
Fastener Pattern	9"-9"-9"-9"	9"-9"-9"-9"
Fastener Spacing	24" O.C.	12" O.C.
Design Pressure includes a Safety Factor = 2.0.		

FL# 11651.21 R2 • JUNE 15, 2015

PRODUCT EVALUATION REPORT**KUHN ENGINEERING, LLC**

11670 ISLAND LAKES LANE, BOCA RATON, FL 33498 • FL COA #30464



FLORIDA PRODUCT APPROVAL

GULFRIB™

26 GAUGE GULFRIB™ PANEL OVER 1X4 WOOD PURLINS OVER 15/32" PLYWOOD
 FLORIDA PRODUCT APPROVAL NO. 11651.21 R2

Code Compliance:

The product described herein has demonstrated compliance with the Florida Building Code 2014, Sections 1504.3.2, 1504.7.

Evaluation Report Scope:

The product evaluation is limited to compliance with the structural wind load requirements of the Florida Building Code 2014, as relates to Rule 61G20-3.

Performance Standards:

The product described herein has demonstrated compliance with:

- UL 580-06 - Test for Uplift Resistance of Roof Assemblies
- UL 1897-04 - Uplift Test for Roof Covering Systems.
- FM 4471-1992, Section 4.4 Foot Traffic Resistance Test

Reference Data:

1. UL 580-94 / 1897-98 Uplift Test
Force Engineering & Testing, Inc. (FBC Organization # TST-5328)
Report No. 117-0062T-07D & E, Dated 02/19/2007
2. FM 4471-95, Section 4.4 Foot Traffic Resistance Test
Force Engineering & Testing, Inc. (FBC Organization # TST-5328)
Report No. 117-0238T-09D, Dated 07/21/2009
3. Certificate of Independence
By Dan Kuhn, P.E. (FL# 75519) @ Kuhn Engineering, LLC
(FBC Organization # ANE ID: 10743)

Test Standard Equivalence:

1. The UL 580-94 test standard is equivalent to the UL 580-06 test standard.
2. The UL 1897-98 test standard is equivalent to the UL 1897-04 test standard.
3. The FM 4471-95 test standard is equivalent to the FM 4471-1992 test standard.

Quality Assurance Entity:

The manufacturer has established compliance of roof panel products in accordance with the Florida Building Code and Rule 61G20-3.005(3) for manufacturing under a quality assurance program audited by an approved quality assurance entity.

Minimum Slope Range:

Minimum Slope shall comply with Florida Building Code 2014, including Section 1507.4.2 and in accordance with Manufacturers recommendations. For slopes less than 3:12, lap sealant must be used in the panel side laps.

Installation:

Install per Manufacturer's recommended details.

Underlayment:

Shall comply with Florida Building Code 2014 section 1507.4.5.1 and 1507.4.5.2.

FL# 11651.21 R2 • JUNE 15, 2015

PRODUCT EVALUATION REPORT

KUHN ENGINEERING, LLC

11670 ISLAND LAKES LANE, BOCA RATON, FL 33498 • FL COA #30464

FLORIDA PRODUCT APPROVAL

**GULFRIB**TM26 GAUGE GULFRIBTM PANEL OVER 1X4 WOOD PURLINS OVER 15/32" PLYWOOD
FLORIDA PRODUCT APPROVAL NO. 11651.21 R2**Roof Panel Fire Classification:** Fire classification is not part of this acceptance.**Shear Diaphragm:** Shear Diaphragm values are outside the scope of this report.**Design Procedure:** For roofs within the parameters listed on the load table, fastening pattern must at a minimum meet those listed for the applicable wind zone. For all roofs outside the parameters listed on the load table, design wind loads shall be determined for each project in accordance with FBC 2014 Section 1609 or ASCE 7-10 using allowable stress design. The maximum fastener spacing listed herein shall not be exceeded. This evaluation report is not applicable in High Velocity Hurricane Zone. Refer to current NOA or HVHZ evaluation report for use of this product in High Velocity Hurricane Zone.

FL# 11651.21 R2 • JUNE 15, 2015

PRODUCT EVALUATION REPORT**KUHN ENGINEERING, LLC**

11670 ISLAND LAKES LANE, BOCA RATON, FL 33498 • FL COA #30464



ENGINEER'S LOAD TABLE SPEC

GULFRIB™
 26 GAUGE GULFRIB™ PANEL OVER 1X4 WOOD PURLINS OVER 15/32" PLYWOOD
 FLORIDA PRODUCT APPROVAL NO. 11651.21 R2

ENGINEER LOAD TABLE: 26 Ga. Gulfrib™ Panel over 1x4 Wood Purlins over 15/32" Plywood

 Buildings having a Roof Mean Height $\leq 20'-0"$; Roof Slope: 2"/12" - 12"/12" Gable or Hip Roof; Wind Speeds 120-180mph, Exposure C, Risk Category II, Enclosed Building, based on Florida Building Code 2014.

WIND SPEED	FASTENER (MIN. 1/4" Penetration)	SUBSTRATE	120	130	140	150	160	170	180
			ON CENTER SPACING	ON CENTER SPACING	ON CENTER SPACING	ON CENTER SPACING	ON CENTER SPACING	ON CENTER SPACING	ON CENTER SPACING
ZONE 1	#9-15X1.5"	1x4 Wood Purlins	24", TYPE 1	24", TYPE 1	24", TYPE 1	24", TYPE 1	24", TYPE 1	24", TYPE 1	24", TYPE 1
ZONE 2	#9-15X1.5"	1x4 Wood Purlins	24", TYPE 1	24", TYPE 1	24", TYPE 1	24", TYPE 1	24", TYPE 1	24", TYPE 1	24", TYPE 1
ZONE 3	#9-15X1.5"	1x4 Wood Purlins	24", TYPE 1	24", TYPE 1	24", TYPE 1	24", TYPE 1	24", TYPE 1	24", TYPE 1	24", TYPE 1

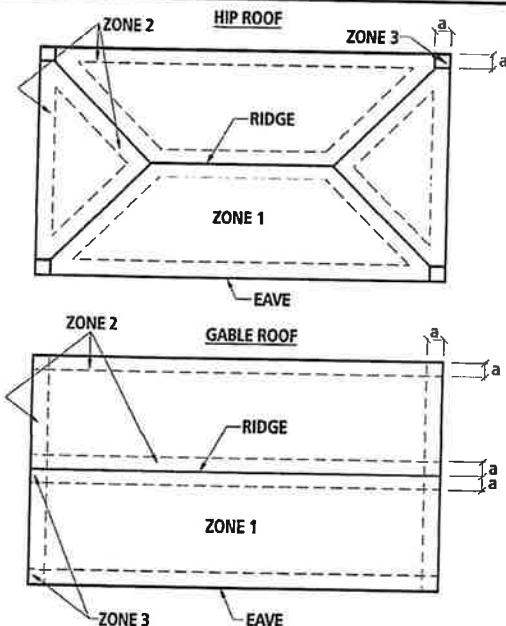
 1.) **PANEL DESCRIPTION:** GULFRIB™, MIN. 26 GA., GRADE 80, 36" COVERAGE, 3/4" TALL.

 2.) **PANEL FASTENER:** #9-15X1.5" HWH WITH SEALING WASHER OR APPROVED EQUAL

 3.) **MAXIMUM ALLOWABLE PANEL UPLIFT PRESSURE:** 109.25 PSF @ 24" O.C. FASTENER SPACING TYPE 1 FASTENER PATTERN, 164.25 PSF @ 12" O.C. FASTENER SPACING TYPE 2 FASTENER PATTERN BASED ON TAS 125, UL 580/UL 1897 TESTING.

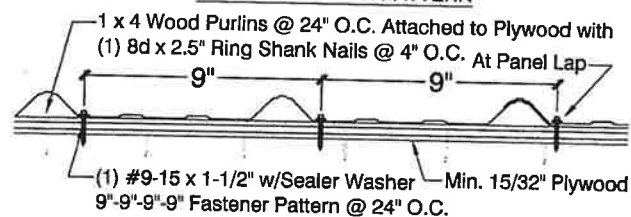
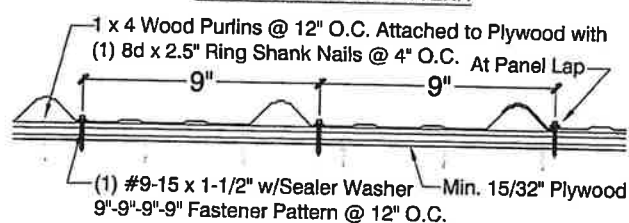
 4.) **SUBSTRATE:** 1X4 WOOD PURLINS OVER MIN. 1/2" THICK PLYWOOD. WOOD PURLINS ATTACHED TO PLYWOOD W/ MIN. 8D X 2 1/2" RING SHANK NAILS AT 4" O.C. PURLINS AND PLYWOOD MUST BE DESIGNED IN ACCORDANCE WITH FBC 2014

 5.) **ROOF SLOPE:** ON ROOF SLOPES LESS THAN 3:12, LAP SEALANT MUST BE USED IN PANEL SIDE LAPS.

 6.) **LOAD TABLE** BASED ON WIND PRESSURES CALCULATED PER ASCE 7-10 ($KD = 0.85$) MULTIPLIED BY 0.6 PER FLORIDA BUILDING CODE 2014


FL# 11651.21 R2 • JUNE 15, 2015

Note: Dimension (a) is defined as 10% of the minimum width of the building or 40% of the mean height of the roof, whichever is smaller, however, (a) cannot be less than either 4% of the minimum width of the building or 3 feet.

TYPE 1 FASTENER PATTERN**TYPE 2 FASTENER PATTERN****PRODUCT EVALUATION REPORT**
KUHN ENGINEERING, LLC

11670 ISLAND LAKES LANE, BOCA RATON, FL 33498 • FL COA #30464