



Department of Doing
Planning Division
PO Box 490, Station 11
Gainesville, FL 32602-0490

306 N.E. 6th Avenue
P: (352) 334-5022
P: (352) 334-5023
F: (352) 334-2648

TO: Historic Preservation Board

Item Number: OB1

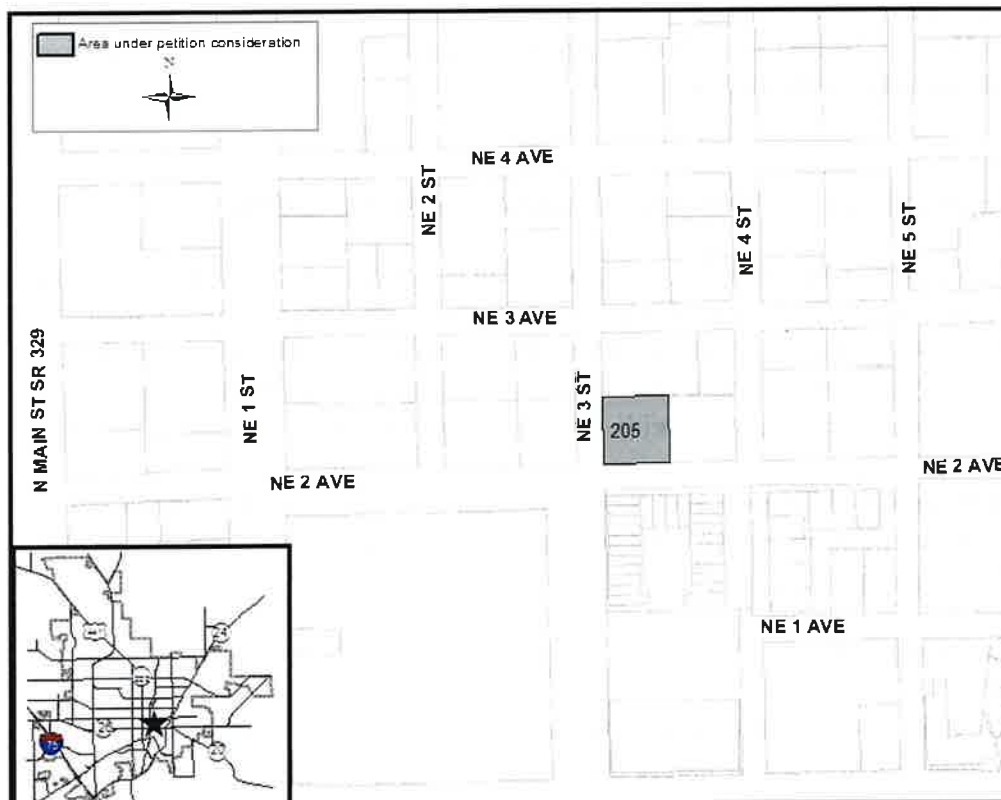
FROM: Department of Doing, Planning Staff

DATE: October 3, 2017

SUBJECT: Petition HP-17-38. Shane Smalley, Atlantic Roofing, agent for Perry Properties, owners. Certificate of Appropriateness for installation of metal roofing. Located at 205 NE 3rd Street. This building is contributing to the Northeast Residential Historic District.

Recommendation

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



Conditions of Approval

Staff's recommendation of approval for the petition is based on the following conditions:

1. The roof shall be 5-V Crimp and that the finish will be Galvalume or a light to medium gray paint finish.

Project Description

The property is located at 205 NE 3rd Street. The contributing structure was built in 1940, according to the Alachua County Property Appraisers Office. The property is zoned RMF-5. The building is a contributing structure to the Northeast Residential Historic District.

The applicant is proposing to reroof the existing shingle roof with a 26 gauge Galvalume 5-V Crimp metal roof system. This will involve the installation of a self-adhered base sheet and a new galvanized drip edge and ridge cap for the metal roof chimney flashing. The front bay windows have existing metal roofing which is to be coated as part of this project.

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.

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

Consideration of a Certificate of Appropriateness application is pursuant to Section 30-112 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:

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.*

The roof shape of the building, structure or object shall be visually compatible with the buildings to which it is visually related. It is important to identify, retain and preserve roofs and their functional and decorative features that are important in defining the overall historic character of the building. This includes the roof's shape as hipped, gambrel or mansard; decorative features such as cupolas, cresting and chimneys; and roofing materials such as slate, clay and tile.

Roofs are highly visibly components of historic buildings in Gainesville's Historic Districts. They are an integral part of a building's overall design and often help define its architectural style. Examples include mansard and belvederes, which are primary features of the Second Empire and the Airplane Bungalow styles, respectively. Materials such as clay tile and ornamental metals, which cover roofs in Gainesville are also significant and should be preserved in the course of rehabilitating a building.

Roof forms comprise an important part of streetscapes in the historic district and create a unified rhythm with neighboring buildings. The most numerous residential roof types are gable, hip, or a combination. Other common examples are pyramidal, gambrel, and clipped gable (jerkinhead). Flat roofs with parapets predominate in commercial buildings in the Pleasant Street District.

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.

Rooftop additions are another common change to historic buildings. They are generally not suitable for smaller buildings of three stories or less or for buildings with very distinctive rooflines. They can, however, meet Standard 9 if certain conditions are met. The addition should be designed to be distinguished from the historic portion of the building; be set back from the wall plane; and be placed so it is inconspicuous when viewed from the street.

Recommended

1. Alterations to the configuration or shape of a historic roof should be confined to portions of the building not visible from the right-of-way.
2. Repointing of chimney mortar joints shall match the existing composition, joint size, and profile.
3. Retain and preserve the roof's shape, historic roofing materials and features.
4. Preserve the original roof form in the course of rehabilitation.
5. Provide adequate roof drainage and insure that the roofing material provides a weather tight covering for the structure.
6. Replace deteriorated roof surfacing with matching materials or new materials, such as composition shingles or tabbed asphalt shingles, in dark shades that match the original in composition, size, shape, color, and texture.
7. Retain or replace where necessary dormer windows, cupolas, cornices, brackets, chimneys, cresting, weather vanes, and other distinctive architectural or stylistic features that give a roof its essential character.
8. Design rooftop additions, when required for a new use that are set back from a wall plane and are as inconspicuous as possible when viewed from the street.

Not Recommended

1. Removal of existing chimneys is discouraged. Removal of historic or architectural roofing features should be avoided, if possible. If removal is unavoidable, replacement material should match the existing fabric in composition, design, color, texture and other visual qualities.
2. Mortar with high Portland cement content shall not be used.
3. Masonry surfaces shall not be sandblasted.
4. Avoid applying paint or other coatings to roofing materials, which historically have not been painted.

Respectfully submitted,



Andrew Persons
Interim Principal Planner

Prepared by:



Jason Simmons
Planner

List of Exhibits

- Exhibit 1 Application**
- Exhibit 2 Photos**
- Exhibit 3 Product Information**

CERTIFICATE OF APPROPRIATENESS APPLICATION

Planning & Development Services 306 N.E. 6th Avenue Gainesville, Florida 32601 352.334.5022 Fax 352.334.3259 www.cityofgainesville.org/planningdepartment

REQUIREMENTS

CONTACT THE HISTORIC PRESERVATION OFFICE FOR A PRE-APPLICATION CONFERENCE 334.5022

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

PLEASE PROVIDE ONE (1) DISK OR USB FLASH DRIVE CONTAINING ALL OF THE FOLLOWING:

1 ORIGINAL SET OF PLANS TO SCALE SHOWING ALL DIMENSIONS AND SETBACKS.

LIST IN DETAIL YOUR PROPOSED REPAIR AND/OR RENOVATION

A SITE PLAN OR CERTIFIED SURVEY

PHOTOGRAPHS OF EXISTING CONDITIONS

ANY ADDITIONAL BACKUP MATERIALS AS NECESSARY

AFTER THE PRE-CONFERENCE, TURN IN YOUR COMPLETED COA APPLICATION TO THE PLANNING OFFICE (RM 210, THOMAS CENTER-B), PAY APPROPRIATE FEES, AND PICK UP PUBLIC NOTICE SIGN TO BE POSTED 10 DAYS IN ADVANCE OF THE MEETING.

MAKE SURE YOUR APPLICATION HAS ALL THE REQUIREMENTS.

FAILURE TO COMPLETE THE APPLICATION AND SUBMIT THE NECESSARY DOCUMENTATION WILL RESULT IN DEFERRAL OF YOUR PETITION TO THE NEXT MONTHLY

PROJECT TYPE: Addition [] Alteration [] Demolition [] New Construction [] Relocation [] Repair [] Fence [] Re-roof [x] Other []

PROJECT LOCATION:

Historic District: Duck Pond Site Address: 205 NE 3rd ST Gainesville FL 32601 Tax Parcel #: 14741-000-000

Table with 2 columns: OWNER and APPLICANT OR AGENT. Includes fields for Name, Corporation or Company, Street Address, City State Zip, Home Telephone Number, Cell Phone Number, Fax Number, and E-Mail Address.

TO BE COMPLETED BY CITY STAFF

(PRIOR TO SUBMITTAL)

Fee: \$ EZ Fee: \$ 57.88 pd [x]

HP # 17-38 Contributing Y [x] N Zoning RMP-5 Pre-Conference Y [x] N Application Complete Y [x] N Enterprise Zone Y [x] N

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

Request for Modification of Setbacks Y [] N [x]

Received By Cleary Larkin Date Received 8/7/2017

RECEIVED

STAMP

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 AVE., 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 POSED 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 *Penny Properties*
Applicant or Agent *[Signature]*

Date *6/9/17*
Date *6/9/17*

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.

Single Family Dwelling
Existing materials are Shingle
(Pictures Attached)

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.

Re-Roof with 26ga. 5V crimp galvanized metal
Total of 2800 sq. ft.
Also install self-adhered bay sheet
New Galvanized Drip Edge and Ridge Cap - Flash Chimney
FRONT bay windows roofing to be coated - existing metal roofing

DEMOLITIONS AND RELOCATIONS (If Applicable)

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 (If Applicable)

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.

CERTIFICATE OF APPROPRIATENESS

(TO BE COMPLETED BY CITY STAFF)

IF STAFF APPROVAL ALLOWS THE ISSUANCE OF THE CERTIFICATE OF APPROPRIATENESS, THE BASIS FOR THE DECISION WAS:

This meets the *Secretary of Interior's Standards for Rehabilitation* and the *City of Gainesville's Historic Preservation Rehabilitation and Design Guidelines*.

HISTORIC PRESERVATION PLANNER _____ DATE _____

THE HISTORIC PRESERVATION BOARD CONSIDERED THE APPLICATION OF HP _____ AT THE _____ MEETING. THERE WERE _____ MEMBERS PRESENT.

THE APPLICATION WAS APPROVED DENIED BY A _____ VOTE, SUBJECT TO THE FOLLOWING CONDITIONS:

THE BASIS FOR THIS DECISION WAS:

This meets the *Secretary of Interior's Standards for Rehabilitation* and the *City of Gainesville's Historic Preservation Rehabilitation and Design Guidelines*.

CHAIRPERSON _____ DATE _____

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.

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.

TAX SAVINGS FOR HOMEOWNERS OF HISTORIC PROPERTIES

The improvements to your historic property may qualify for a property tax exemption. The City of Gainesville permits an Ad Valorem property tax exemption for renovations, rehabilitations, and restorations to contributing properties within Historic Districts.

The amount of the exemption shall be determined by the Alachua County Property Appraiser based upon its usual process for post-construction inspection and appraisal of property following rehabilitation or renovation. The duration of the exemption shall continue regardless of any change in the authority of the City to grant such exemptions or any change in ownership of the property. In order to retain an exemption, however, the historic character of the property, and improvements which qualified the property for an exemption, must be maintained over the period for which the exemption was granted.

This is an excerpt from the Code of Ordinances ARTICLE IV. TAX EXEMPTION FOR HISTORIC PROPERTIES Sec. 25-61—66

An Overview of the Application Process:

An applicant (owner of record or authorized agent) seeking an ad valorem tax exemption for historic properties must file with the city manager or designee the two-part Historic Preservation Property Tax Exemption Application with "Part 1: Preconstruction Application" (Part 1) completed. In addition, the applicant shall submit the following:

- A completed application for a Certificate of Appropriateness for the qualifying restoration, renovation, or rehabilitation.
- An application fee of not more than five hundred dollars (\$500.00) to be determined by the city manager or designee based on the estimated cost of the work to be performed and the administrative costs to be incurred by the city in processing the application and monitoring compliance.

The City of Gainesville Historic Preservation Board (HPB) shall review Part 1 applications for exemptions. The HPB shall determine whether the property is an eligible property and whether the Part 1 proposed improvement is consistent with the Secretary of Interior's *Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings* and is therefore an eligible improvement.

Upon completion of work specified in the "Part 1" application, the applicant shall submit a "Part 2: Final Application for Review of Completed Work" (Part 2). The HPB shall conduct an inspection of the subject property to determine whether or not the completed improvements are in compliance with the work described and conditions imposed in the approved Part 1 application. Appropriate documentation may include paid contractor's bills and canceled checks, as well as an inspection request by the applicant within two (2) years following approval of the Part 1 application.

On completion of review of the Part 2 application, the HPB shall recommend that the city commission grant or deny the exemption. The recommendation and reasons therefore, shall be provided in writing to the applicant and to the city commission.

A majority vote of the city commission shall be required to approve a Part 2 application and authorize the ad valorem tax exemption. If the exemption is granted, the city commission shall adopt an ordinance.

The property owner shall have the historic preservation exemption covenant recorded in the official records of Alachua County, and shall provide a certified copy of the recorded historic preservation exemption covenant to the city manager or designee.

The effective date of the ad valorem tax exemption shall be January 1 of the year following the year in which the application is approved by the city commission and a historic preservation exemption covenant has been transmitted to the Alachua County Appraiser. Please submit Part 2 applications by the **October** Historic Preservation Board deadline in order to ensure enough time for it to go before the City Commission and be processed by the Tax Appraiser's office.

To qualify for an exemption, the property owner must enter into a covenant with the City of Gainesville for the term for which the exemption is granted. The covenant shall be binding on the current property owner, transferees, and their heirs, successors, or assigns.

Violation of the covenant or agreement will result in the property owner being subject to the payment of the differences between the total amount of taxes which would have been due in March in each of the previous years in which the covenant or agreement was in effect had the property not received the exemption and the total amount of taxes actually paid in those years, plus interest on the difference calculated as provided in F.S. § 212.12(3), as amended.

Please review City of Gainesville's Code of Ordinances Section 25-61 for qualification and process information.

This information is available online at www.municode.com for the City of Gainesville, FL Chapter 25 Section 25-61—25-65.

For an application form, please contact the Planning Department at (352) 334-5022 or (352) 334-5023.



PLANNING

P.O. Box 490, Station 11
Gainesville, Florida 32602-0490

352.334.5022

352.334-5023

Fax: 352.334.3259

www.cityofgainesville.org/planningdepartment

Owners Name: <u>Penny Properties</u>			
Address: <u>205 NE 3rd St, Gville, 32601</u>		Phone:	
		Email:	
Agent Name: <u>Charles Cooper</u>			
Address: <u>Dallas, TX 75205</u>		Phone: <u>(214) 212-6395</u>	
<u>3545 Milton Ave</u>		Email: <u>JCharlesCooper@yahoo.com</u>	
Parcel No.: <u>14741 000 000</u>			
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: J. Charles Cooper

Date: 6-9-17

The foregoing affidavit is acknowledged before me this 9th day of June, 2017, by Charles Cooper, who is/are personally known to me, or who has/have produced known as identification.

NOTARY SEAL [Signature]

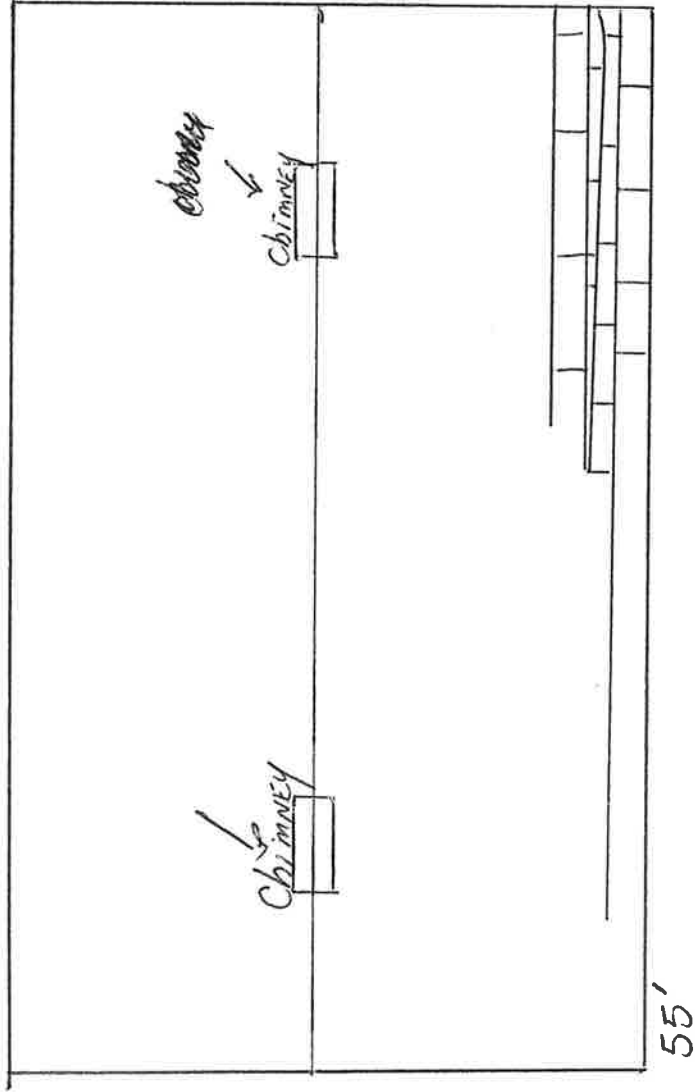
Signature of Notary Public, State of Texas





Back

55'



Front
205 NE 3rd St.





Reroof









5VCRIMP

26 GA. 5VCRIMP ROOF PANEL OVER 15/32" PLYWOOD*
FLORIDA PRODUCT APPROVAL NO. 11651.12 R2



Product Evaluation Report
GULF COAST SUPPLY & MANUFACTURING, LLC.

26 Ga. 5V Crimp Roof Panel over 15/32" Plywood

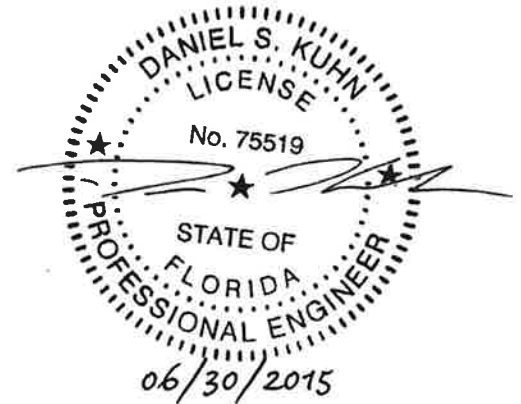
Florida Product Approval #11651.12 R2
Florida Building Code 2014
Per Rule 61G20-3
Method: 1 -D

Category: Roofing
Subcategory: Metal Roofing
Compliance Method: 61G20-3.005(1)(d)
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 Alysbury Place
Montgomery, AL 36117



Contents:
Evaluation Report Pages 1 – 5





5VCRIMP

26 GA. 5VCRIMP ROOF PANEL OVER 15/32" PLYWOOD*

FLORIDA PRODUCT APPROVAL NO. 11651.12 R2

- Compliance Statement:** The product as described in this report has demonstrated compliance with the Florida Building Code 2014, Sections 1504.3.2, 1518.9, 1523.6.5.2.4.
- Product Description:** 5V Crimp Roof Panel, 26 Ga. Steel, 24" Coverage, through fastened roof panel with fasteners in the panel flat 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: 50.0 ksi
Corrosion Resistance: Panel Material shall comply with Florida Building Code 2014, Section 1507.4.3.
- Panel Dimension(s):** Thickness: 0.018" Minimum
Width: 24" Coverage
Rib Height: 3/8" Major Rib
- Panel Fastener:** #9-15x1.5" with sealing washing through panel rib.
1/4" minimum penetration through plywood.
Corrosion Resistance: Per Florida Building Code 2014, Section 1506.6, 1507.4.4
- Substrate Description:** Minimum 15/32" thick, APA Rated plywood over supports at maximum 24" O.C. Design of 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	108.5 psf	156.5 psf
Fastener Pattern	Panel Rib	Panel Rib
Fastener Pattern Spacing	12" O.C.	6" O.C.
Design Pressure includes a Safety Factor = 2.0.		





5VCRIMP

26 GA. 5VCRIMP ROOF PANEL OVER 15/32" PLYWOOD*

FLORIDA PRODUCT APPROVAL NO. 11651.12 R2

Code Compliance:

The product described herein has demonstrated compliance with the Florida Building Code 2014, Sections 1504.3.2, 1518.9, 1523.6.5.2.4.

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:

- TAS 125-03
- UL 580-06 - Test for Uplift Resistance of Roof Assemblies
- UL 1897-04 - Uplift Test for Roof Covering Systems.
- TAS 100-95 - Test Procedure for Wind and Wind Driven Rain Resistance of Discontinuous Roof Systems
- TAS 110-00 - Accel. Weathering ASTM G 155 / Salt Spray ASTM B 117.

Reference Data:

1. TAS 125-03: UL 580-94 / 1897-98 Uplift Test
Force Engineering & Testing, Inc. (FBC Organization # TST-5328)
Report No. 117-0065T-07A-C, Dated 01/26/2007
2. TAS 100-95
Farabaugh Engineering & Testing, Inc. (FBC Organization # TST-1654)
Report No. T130-07, Dated 02/28/2007
Report No. T215-08, Dated 07/08/2008
3. TAS 110-00: Valspar Fluropon coated metal panel testing
A) ASTM G 26 by PRI Asphalt Technologies dated 01/19/2004
B) ASTM B 117 by PRI Asphalt Technologies dated 01/19/2004
4. 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. ASTM G 155 is equivalent to ASTM G26

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.





5VCRIMP

26 GA. 5VCRIMP ROOF PANEL OVER 15/32" PLYWOOD*

FLORIDA PRODUCT APPROVAL NO. 11651.12 R2

- Minimum Slope Range:** Minimum Slope shall comply with Florida Building Code 2014, including Section 1515.2 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 and RAS 133.
- Underlayment:** Per Manufacturer's installation guidelines per Florida Building Code 2014 Section 1518.2, 1518.3, 1518.4.
- Fire Barrier:** Any approved fire barrier having a current NOA. Refer to a current fire directory listing for fire ratings of this roofing system assembly as well as the location of the fire barrier within the assembly. 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.

FL# 11651.12 R2 • JUNE 15, 2015

PRODUCT EVALUATION REPORT



KUHN ENGINEERING, LLC

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



5VCRIMP

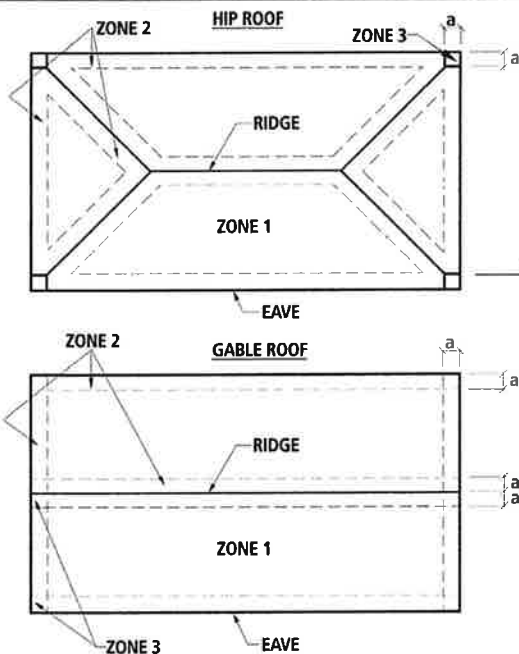
26 GA. 5VCRIMP ROOF PANEL OVER 15/32" PLYWOOD*
FLORIDA PRODUCT APPROVAL NO. 11651.12 R2

ENGINEER LOAD TABLE: 26 Ga. 5VCrimp Roof Panel over 15/32" Plywood

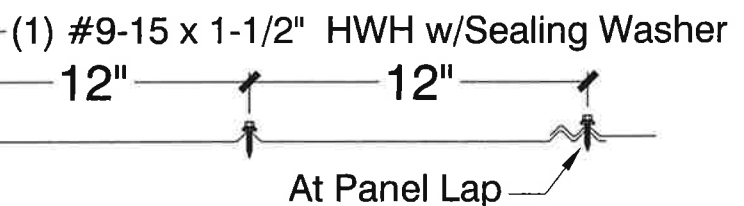
Buildings having a Roof Mean Height \leq 20'-0"; Roof Slope: 2"/12" - 12"/12" Gable or Hip Roof; Wind Speeds 120-180mph, Exposure C, Risk Category II, Enclosed Building, based on Florida Building Code 2014.

WIND SPEED	FASTENER (MIN. 1/4" Penetration)	SUBSTRATE (MIN. 15/32")	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"	Plywood	12" TYPE 1	12" TYPE 1	12" TYPE 1	12" TYPE 1	12" TYPE 1	12" TYPE 1	12" TYPE 1
ZONE 2	#9-15x1.5"	Plywood	12" TYPE 1	12" TYPE 1	12" TYPE 1	12" TYPE 1	12" TYPE 1	12" TYPE 1	12" TYPE 1
ZONE 3	#9-15x1.5"	Plywood	12" TYPE 1	12" TYPE 1	12" TYPE 1	12" TYPE 1	12" TYPE 1	12" TYPE 1	12" TYPE 1

- 1.) PANEL DESCRIPTION: 5V CRIMP, MIN. 26 GA., GRADE 50, 24" COVERAGE, 3/8" TALL.
- 2.) PANEL FASTENER: #9-15X1.5" HWH WITH SEALING WASHER W/ MIN. 1/4" PENETRATION.
- 3.) MAXIMUM ALLOWABLE PANEL UPLIFT PRESSURE: 108.5 PSF@ 12" O.C. FASTENER SPACING TYPE 1 FASTENER PATTERN, 156.5 PSF @ 6" O.C. FASTENER SPACING TYPE 2 FASTENER PATTERN BASED ON TAS 125, UL 580/UL 1897 TESTING.
- 4.) PLYWOOD DECKING: MIN. 15/32" THICK PLYWOOD MUST BE DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE 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



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.



FL# 11651.12 R2 • JUNE 15, 2015

PRODUCT EVALUATION REPORT



KUHN ENGINEERING, LLC

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