



City of Tarpon Springs, Florida

Heritage Preservation Board

324 East Pine Street

Tarpon Spring, Florida 34689

(727) 938-3711

<http://www.ctsfl.us/agenda.htm>

REGULAR SESSION AGENDA MONDAY, SEPTEMBER 9, 2024 6:30 PM - CITY HALL AUDITORIUM

CALL TO ORDER

ROLL CALL

PUBLIC COMMENTS

MINUTES

1. June 3, 2024, Minutes for Approval

QUASI-JUDICIAL ANNOUNCEMENT AND SWEARING IN OF SPEAKERS

APPLICATION(S)

1. **Application 24.50:** 36 N Spring Boulevard: Certificate of Approval (CA) to replace windows on the contributing structure.
2. **Application 24.55:** Hibiscus House: 227 Hibiscus Street: Certificate of Approval to Install New Metal Roof

BOARD AND STAFF COMMENTS

ADJOURNMENT

This meeting is open to the public. Any person who decides to appeal any decision of the Board with respect to any matter considered at this meeting will need a record of the proceedings, and for such purpose may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based. The City of Tarpon Springs is committed to providing reasonable accommodation for access for the disabled. Anyone needing assistance regarding this meeting should contact the City Clerk's Office at (727) 938-3711, fax a written request to (727) 942-5619, or email a written request to cityclerk@ctsfl.us at least two days prior to the meeting. For further information regarding this meeting, please contact the Planning and Zoning Department at (727) 942-5611 or clanford@ctsfl.us



**MINUTES
HERITAGE PRESERVATION BOARD
CITY OF TARPON SPRINGS, FLORIDA
JUNE 3, 2024**

THE Heritage Preservation Board OF THE CITY OF TARPON SPRINGS, FLORIDA, MET IN Regular Session
Agenda IN THE CITY HALL AUDITORIUM/COMMISSION CHAMBERS, 324 E. PINE STREET, ON Monday, June 3,
2024 AT 6:30 PM WITH THE FOLLOWING PRESENT:

Chairperson Jean Dinoff
Member Michelle Ryan
Member Rita Kaplan
Member Kathleen Hallett

ABSENT/EXCUSED: Vice-Chairperson Philip Mrozinski
Member William Sprecher

ALSO PRESENT: CAROLINE LANFORD, AICP, CTP, PRINCIPAL PLANNER
DANIEL LEWIS, ESQUIRE, BOARD ATTORNEY
KIMBERLY CREIGHTON, BOARD SECRETARY

1. CALL TO ORDER

Chairperson Dinoff called the meeting to order at 6:30 P.M.

2. ROLL CALL

Board Secretary Creighton called the roll.

3. PUBLIC COMMENTS

There were no members of the public who wished to make comment.

4. MINUTES

- a. April 1, 2024, Minutes for Approval

MOTION: Member Hallett

SECOND: Member Kaplan

Approve minutes from April 1, 2024, as presented.

Vote on Motion – Upon roll call vote, the motion Passed as follows:

Yes: Member Kaplan
Member Ryan
Member Hallett
Chairperson Dinoff

No: None

5. QUASI-JUDICIAL ANNOUNCEMENT AND SWEARING IN OF SPEAKERS

Board Attorney Lewis read the Quasi-Judicial Announcement and swore in all who wished to testify. He asked if there was any ex parte communication; there was none.

6. APPLICATION(S)

- a. **Application 23.153: 158 Read Street:** Certificate of Approval (CA) to demolish the contributing altered structure on the property.

Staff:

Caroline Lanford provided background information and noted that Staff recommended approval of the project as presented by the applicant. The applicant has provided a sufficient analysis comparing the renovation option to the replacement option for the existing residence. Ms. Lanford further noted that if the HPB approved the demolition, they should require photographic record of the demolition for historic documentation.

If the Heritage Preservation Board (HPB) approved the application, the following conditions were recommended:

1. The parameters of DRGM Guideline 41 will be followed.
2. The Certificate of Approval will expire in three (3) years if a building permit has not been issued for the project.

Applicant:

Anthony Martierie, 405 Inness Drive, noted that he had been sworn in, and that the property had flooded twice in the past two years. Robin Hancock, 623 E Tarpon Avenue noted that she had been sworn in.

- b. **Application 24-20:317 S Spring Boulevard:** Request for Certificate of Approval for a Driveway.

Withdrawn by Applicant

- c. **Application 24-22: 20-26 Hibiscus Street:** Applicant is requesting an after-the-fact Certificate of Approval (CA) to alter previously approved façade plans at the contributing structure located in the Tarpon Springs Historic District.

Staff:

Caroline Lanford gave background information and noted that Staff recommended denial of the project as presented by the applicant, based on substantial inconsistency with the review criteria as detailed in the staff report. The subject construction activities replaced historic storefronts with contemporary-styled storefronts, in direct and significant conflict with the Secretary of the Interior's *Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings*, Article VII of the Land Development Code, the Smart Code, and the Historic Preservation Element of the Comprehensive Plan. Additionally, the subject construction activities exhibit repeated disregard for lawful procedure and the powers and duties of the HPB.

If the HPB granted the CA, Ms. Lanford noted that the following conditions were recommended:

1. The project was ineligible for Community Redevelopment Area Façade Improvement Grant funds.
2. The Certificate of Approval would expire in three (3) years if a building permit has not been issued for the project.

Applicant:

Nikki Vavlas, 101-105 E Tarpon Avenue, noted that she had been sworn in. She further noted that she had improved the appearance of the streets and that she had water intrusion issues so she needed to make improvements to the buildings.

Bill Larsen, 20 Read Street, noted that he was sworn in, that he represented the applicant, and that he was perplexed and confused because he thought he was doing everything correctly.

7. BOARD AND STAFF COMMENTS

There were no Board or Staff comments.

8. ADJOURNMENT

Chairperson Dinoff adjourned the meeting at 07:51 PM.



CITY OF TARPON SPRINGS
HERITAGE PRESERVATION BOARD
August 5, 2024
36 N Spring Boulevard, Jacob Disston House
STAFF REPORT

Application No. / Project Title: 24-50 / Ryan

Staff: Caroline E. Lanford, AICP CTP
Principal Planner

Applicant / Owner: Michelle Ryan

Property Size: 23,825 square feet

Current Zoning: Special Area Plan – T4c Residential District

Current Land Use: Single-Family Residential

Location / Parcel ID: 36 N Spring Blvd. / 12-27-15-89982-065-0007

Architectural Type/District Status: Queen Anne Revival / Contributing

BACKGROUND SUMMARY:

The applicant is seeking a Certificate of Approval to replace wood windows with vinyl replicas at the contributing structure at the subject property.

The Florida Master Site File (FMSF) form for this structure (8PI1618) lists this two-story, Queen Anne Revival style, residential property as the Jacob Disston House. Built ca. 1888, the structure is named after its architect and original inhabitant, brother of Hamilton Disston, the founder of Tarpon Springs. Jacob Disston is an important figure in the history of Tarpon Springs and Florida for his role as a major backer of what became Florida Power Corporation. The structure is a contributing structure to the National Register and Local Historic Districts and may be eligible for individual listing on the National Register of Historic Places.

The Jacob Disston House has asymmetrical massing typical of the Queen Anne style. The complex roof configuration combines a low slope front gable roof at the off-center entry leading to a first story wrap porch with a hip roof supported by brick columns with wood details, second level steeply pitched front gables with side dormers and second level porch, and a steeply pitched hip roof projection on the south elevation. The residence is located on a corner lot with a rusticated block site wall and includes a contributing two-story rear garage ca. 1925.

PRELIMINARY STAFF RECOMMENDATION:

Staff recommends **denial** of the project as presented by the applicant based on the review criteria as described in this staff report. If the Heritage Preservation Board (HPB) approves the application, the following conditions are recommended:



1. Tinted glass will not be used.
2. The Certificate of Approval will expire in three (3) years if a building permit has not been issued for the project.

HISTORIC DISTRICT CONSIDERATIONS:

- When considering this application, the Heritage Preservation Board (Board) is encouraged to refer to the Historic District Design Review Guidelines Manual (DRGM), especially 1, 2, 3, 4, 54, and 55. The DRGM can be accessed at the following link: <https://www.ctsfl.us/wp-content/uploads/2021/03/Historic-District-Design-Review-Guidelines-Manual.pdf>

REVIEW STANDARDS / STAFF ANALYSIS – CERTIFICATE OF APPROVAL

Pursuant to Section 109.01, Standards for Review:

- It shall be the intent of this Article to promote maintenance, restoration, adaptive reuses appropriate to the property, and compatible contemporary designs that are harmonious with the exterior and landscape features of neighboring buildings, sites, and streetscapes.
- In reviewing an application for a Certificate of Approval, the Board shall consider the following criteria:

(1) The height and width of any proposed alteration or new construction shall be consistent with that of adjacent contributing structures and with those structures of similar character and architectural style found throughout the immediate neighborhood or the district.

ANALYSIS: Not applicable to this project.

(2) The width and height of windows, doors, and entries shall be consistent with the character of the building's original architectural style. Repair or replacement of missing architectural features such as windows, mullions, doors, entries, hand rails, etc., should be based on accurate duplications, substantiated by historic, physical or pictorial evidence rather than on conjectural designs or the availability of different architectural elements from other buildings or structures.

ANALYSIS: The proposed replacement windows would retain historic dimensions, consistent with the original architecture. Proposed replacement windows would replicate the style of historical windows and include prairie style, single hung, double hung, horizontal roller, and picture windows. Although prairie style windows are typically associated with the Craftsman style, the applicant has provided photographic evidence of the use of prairie style windows in the subject structure at some point in its history.

(3) The relationship of a structure within an historic or cultural preservation district to the open space between it and the street and to other buildings or scenic views, vistas or streetscapes characterizing the area, shall be protected through a site plan review process addressing setbacks, roof lines, garage placement, parking and access analysis and the use of landscaping.

ANALYSIS: Not applicable to this project.



(4) The shape and texture of the roof shall replicate the shape, texture and type of roof distinguishing the building's original architecture and on structures of similar style and age within the Historic and Cultural Preservation District.

ANALYSIS: Not applicable to this project.

(5) The size and mass (or shape) of the building after alteration shall be reflective of the building's original architectural style. The size and mass (or shape) of a proposed structure (new construction) should reflect the character of contributing buildings within the District as well as those immediately surrounding the subject property and shall include review of architectural elements such as roof lines, fenestration, and other components of facade design.

ANALYSIS: Not applicable to this project.

(6) Landscaping shall be utilized as a means to enhance the architectural character and appearance of the structure or traditional cultural property and to protect and define open spaces and pedestrian ways within Historic and Cultural Preservation Districts.

ANALYSIS: Not applicable to this project.

(7) Distinctive architectural features shall be repaired rather than replaced, wherever possible. Architectural details, including color, materials, texture, and site lighting shall be treated so as to make the building, structure, or traditional cultural property consistent with the property's original architectural style and character. New materials should replicate the material being replaced in composition, design, color, texture and other visual qualities.

ANALYSIS: The proposed project would replace original wood windows with replica vinyl windows. The applicant has expressed that continued maintenance of the wood windows is not feasible due to continuing problems with rot and the significant costs associated with replacing with new wood windows. Although the proposed project would destroy original materials, the proposed vinyl replacement windows would replicate the visual qualities of original wood windows.

(8) All buildings, structures, sites and traditional cultural properties shall be recognized as products of their own time. Alterations, modifications or other changes to a structure or traditional cultural property shall not attempt to create an earlier appearance than the original date of construction. Changes that may have taken place in the course of time are evidence of the history and development of the subject property and may have acquired significance in their own right. This significance shall be recognized and respected.

ANALYSIS: Not applicable to this project.

(9) The renovation of contributing structures in an historic or cultural district or designated sites shall meet the Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings.

ANALYSIS: This project does not strictly comply with the Secretary's Standards, in particular:



2. *The historic character of a property will be retained and preserved. The removal of distinctive materials or alteration of features, spaces and spatial relationships that characterize a property will be avoided.*

5. *Distinctive materials, features, finishes, and construction techniques or examples of craftsmanship that characterize a property will be preserved.*

6. *Deteriorated historic features will be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature will match the old in design, color, texture and, where possible, materials. Replacement of missing features will be substantiated by documentary and physical evidence.*

9. *New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work will be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment.*

(10) The proposed project shall conform to other requirements of this Code and be in compliance with the applicable goals, objectives, and policies of the Comprehensive Plan.

ANALYSIS: The proposed project is expected to be constructed in compliance with the Land Development Code and the Florida Building Code. The proposed project can be interpreted as balancing the goals, objectives, and policies of the Comprehensive Plan by increasing the longevity of the structure although the proposed project does not fully comply with the Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings.

(11) The impact upon archaeological sites shall preserve the integrity of the site.

ANALYSIS: No archaeological sites will be impacted.

PUBLIC CORRESPONDENCE:

The property owners within 500 feet were sent written notification in accordance with Section 109.00(B) of the City of Tarpon Springs Comprehensive Zoning and Land Development Code. Staff has not received any formal responses to these notices. The adjacent property owner contacted staff via telephone and in person during the site visit, and questions about the proposed project were answered.

ATTACHMENTS:

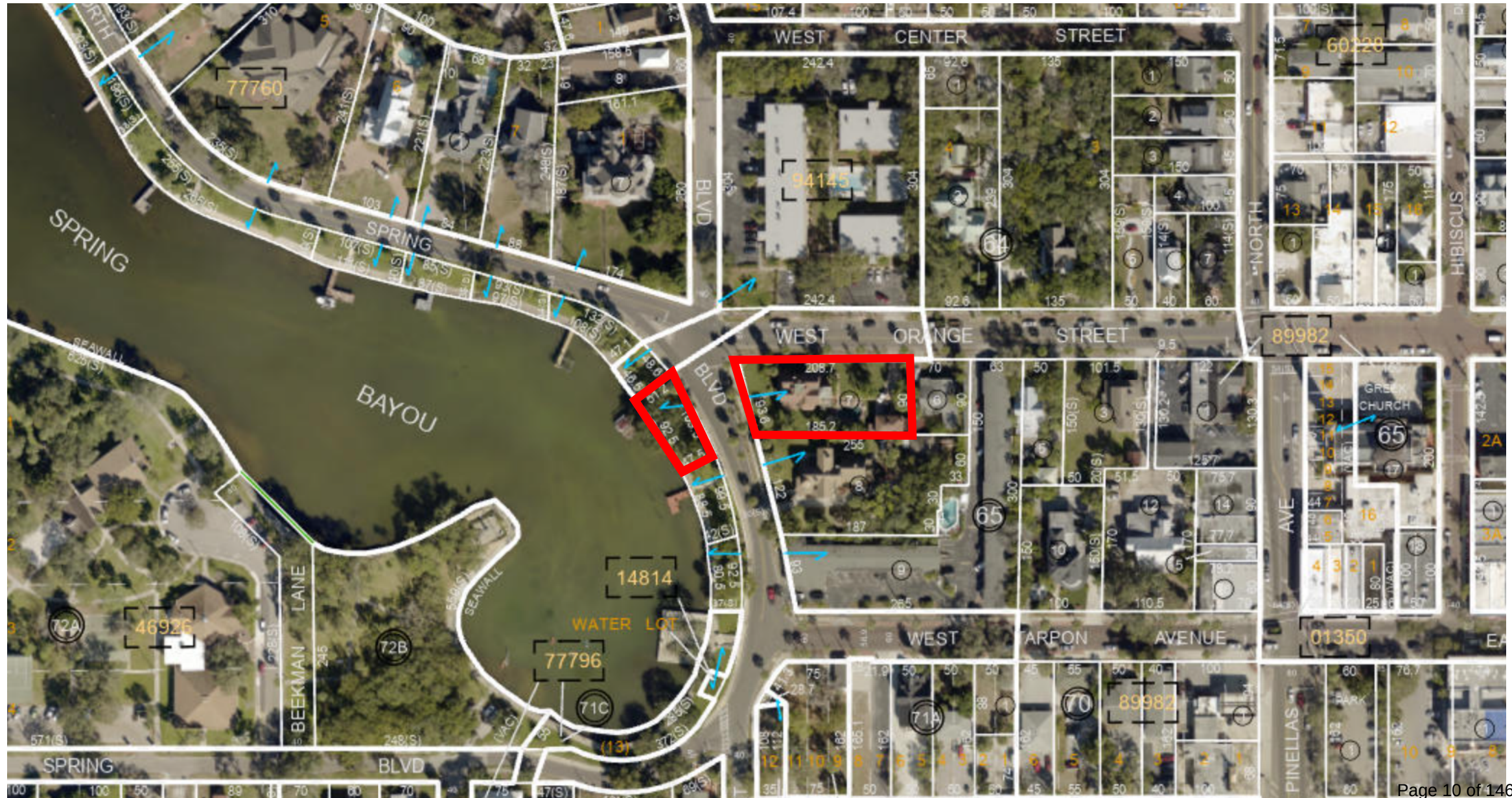
- Slide Presentation
- Florida Master Site File Form #8PI1618
- Application and supporting materials

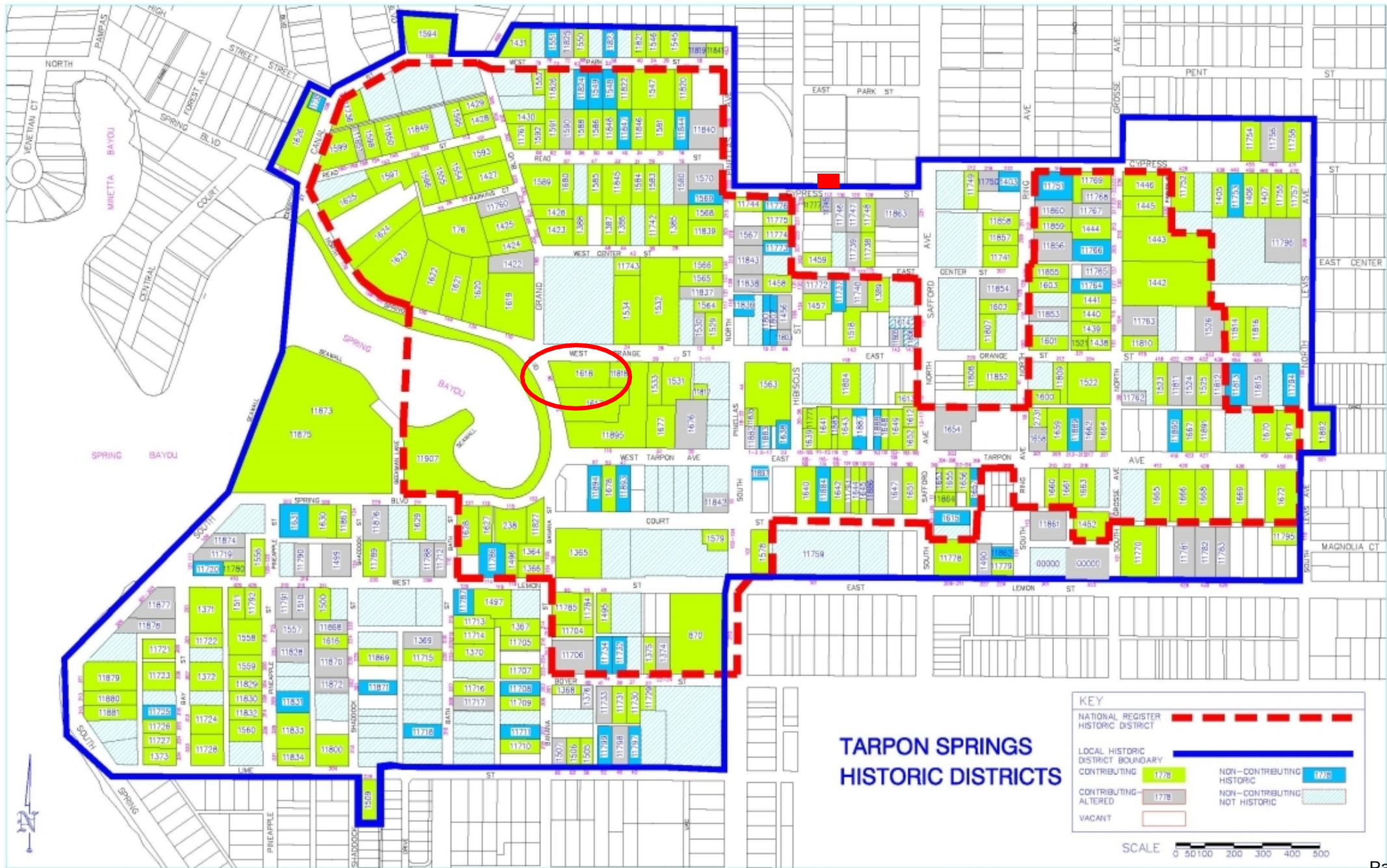
RYAN APPLICATION #24-50

Heritage Preservation Board, August 5, 2024

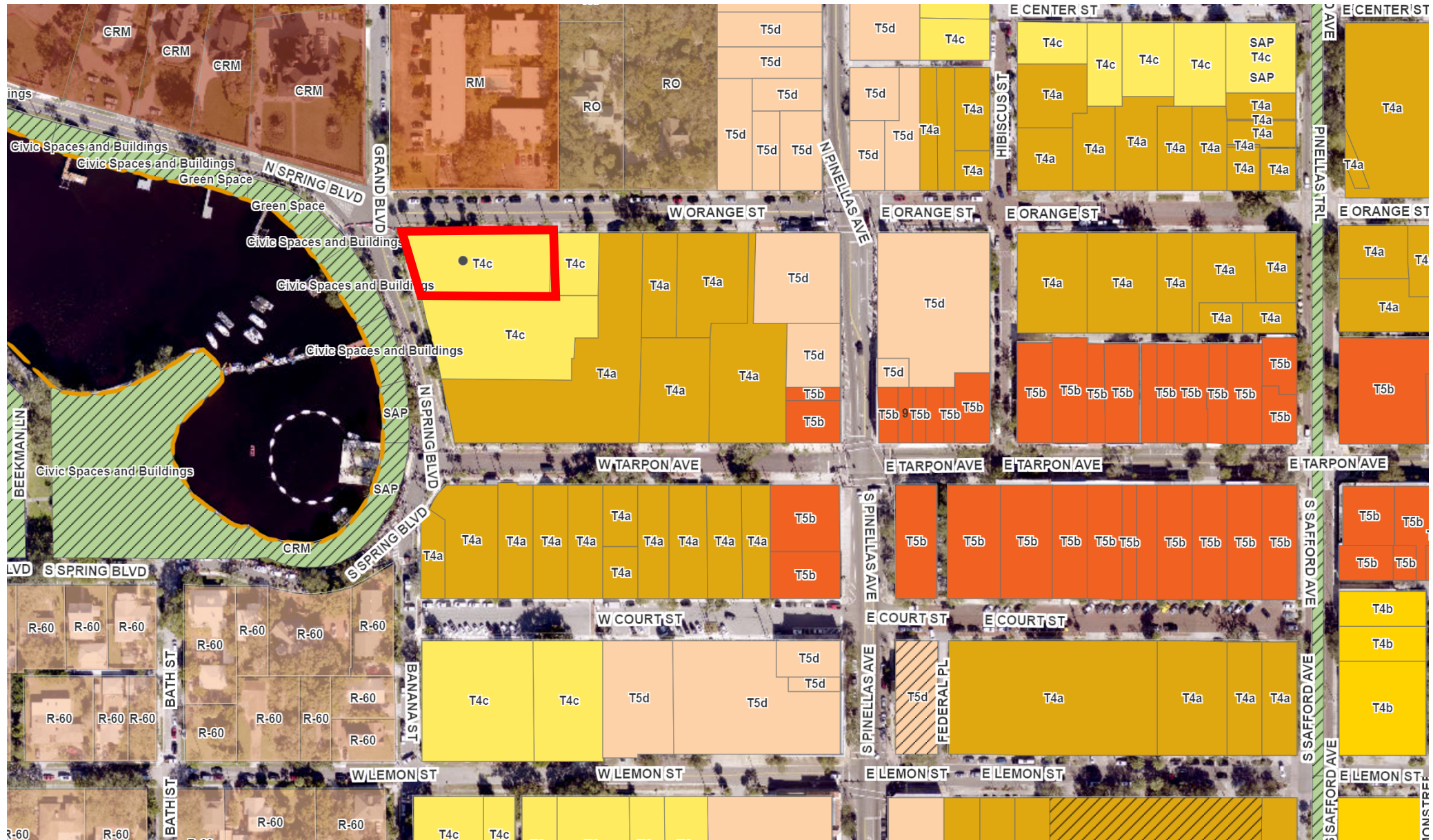


LOCATION AND CONTEXT





ZONING CONTEXT



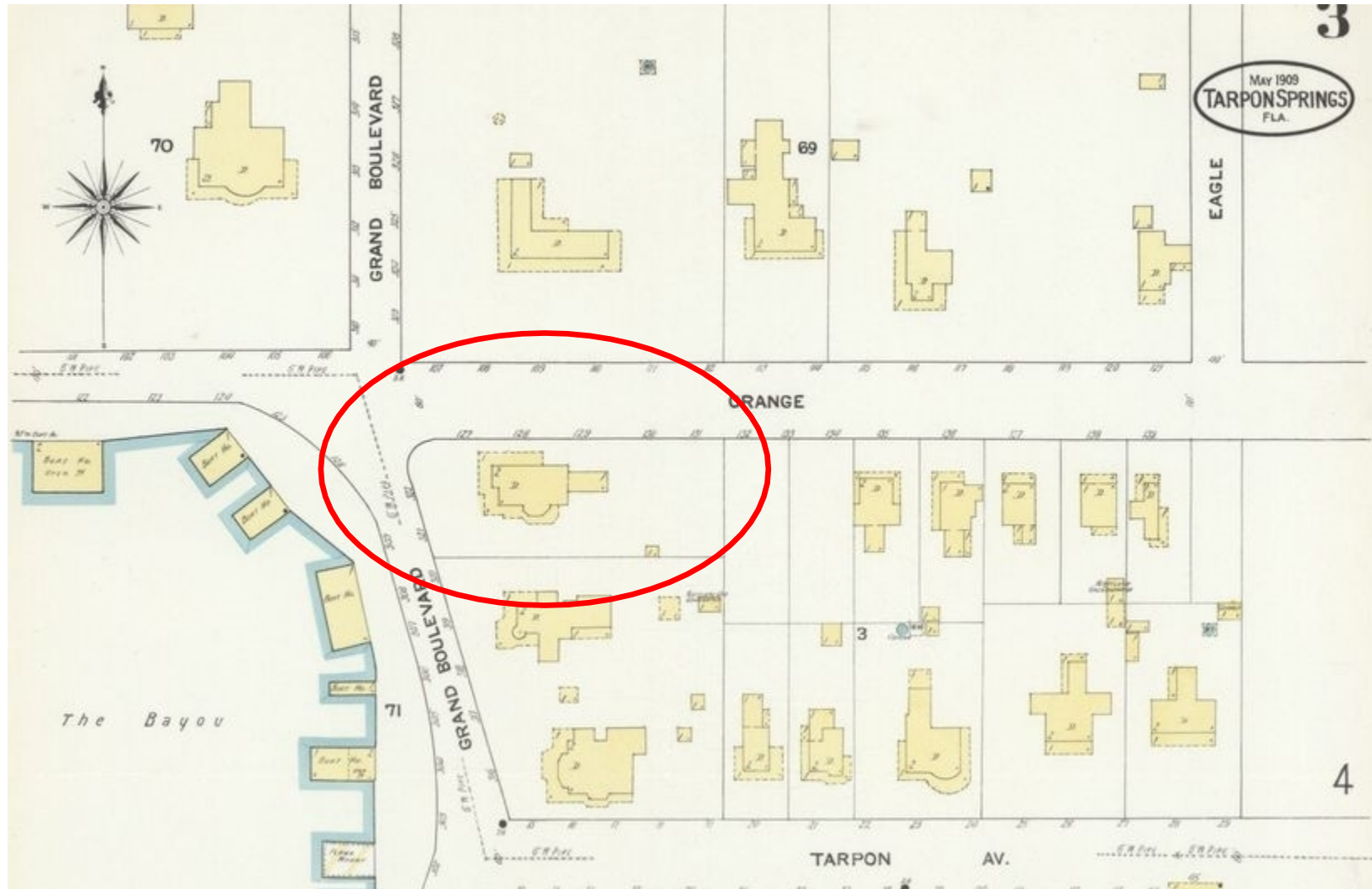
REQUEST

- Certificate of Approval for:
 - Window replacement
- Lot Size: 23,825 square feet
- Current Zoning: Special Area Plan – T4c Residential District
- Current Land Use: Single-Family Residential
- Location / Parcel ID: 36 N Spring Blvd. / 12-27-15-89982-065-0007
- Architectural Type/Style: Queen Anne Revival
- District Status: Contributing
- Florida Master Site File: 8PI1618
- Applicant: Michelle Ryan

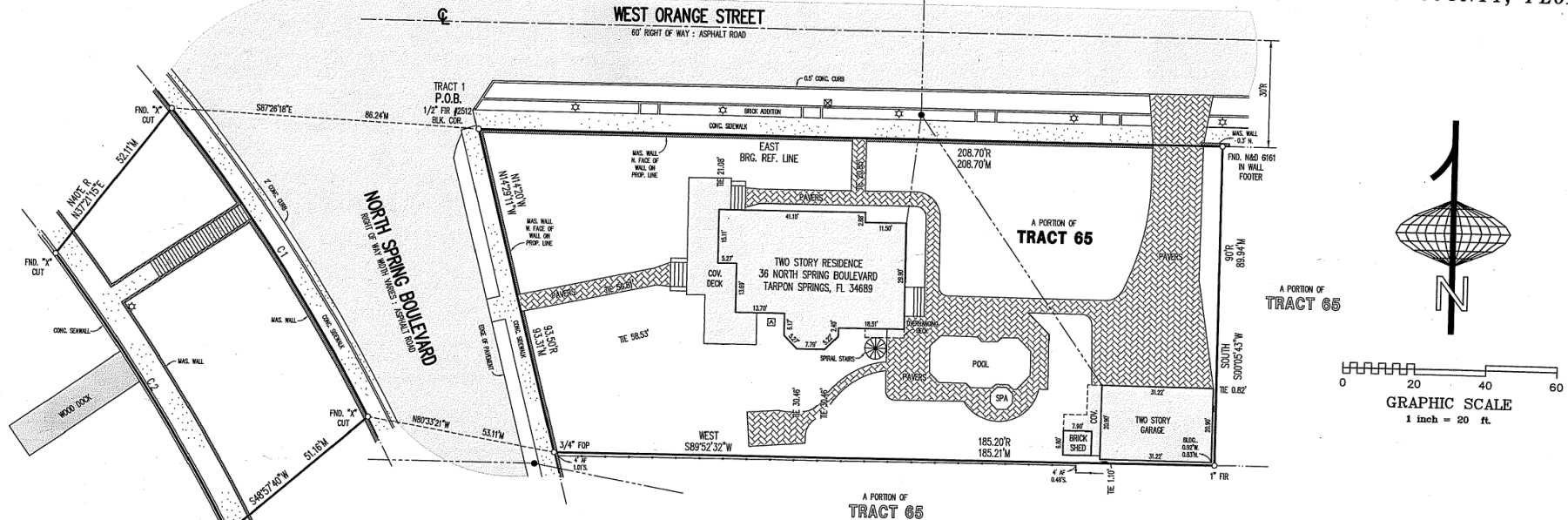
36 N. SPRING BOULEVARD – FLORIDA MASTER SITE FILE



1909 SANBORN



SECTION 12, TWP. 27 S., RNG. 15 E., PINELLAS COUNTY, FLORIDA



SURVEY ABBREVIATIONS

[illegible]

PROPERTY DESCRIPTION:

TRACT 1: BEGINNING AT THE NORTHWEST CORNER OF BLOCK 65, ACCORDING TO THE MAP OF THE TOWN OF TARPON SPRINGS, FLORIDA AS RECORDED IN PLAT BOOK 4, PAGE 8 OF THE PUBLIC RECORDS OF HILLSBOROUGH COUNTY, FLORIDA (OF WHICH PINELLAS COUNTY WAS FORMERLY A PART); RUN THENCE EAST ALONG THE SOUTH LINE OF ORANGE STREET 208.7 FEET; THENCE SOUTH 90 FEET; THENCE WEST 185.2 FEET MORE OR LESS TO THE EAST LINE OF SPRING BOULEVARD; THENCE NORTH 14°20' WEST ALONG THE EAST LINE OF THE SPRING BOULEVARD 93 FEET 6 INCHES TO THE POINT OF BEGINNING.

TRACT 2: BEGINNING AT A POINT ARRIVED AT BY MEASURING ALONG THE SHORE OF SPRING BAYOU, 193.5 FEET NORTHERLY FROM THE INTERSECTION OF SPRING BAYOU WITH A WESTERLY PROJECTION OF THE NORTH LINE OF A AVENUE ACCORDING TO MAP OF THE TOWN OF TARPON SPRINGS; RUN THENCE ALONG THE SAID SHORE LINE IN A NORTHERLY DIRECTION 92 FEET FIVE INCHES; THENCE EAST 40° NORTH TO A POINT ON THE POINT OF SPRING BAYOU; THENCE SOUTHEASTLY TO A POINT SOUTHEASTLY ALONG SAID BOUNDARY LINE OF SPRING BOULEVARD, 103.5 FEET; ALLOWANCE IS MADE FOR SHORE FRONTAGE WITHOUT BOUNDARY CONFLICT, HOWEVER, THAT THIS LOCATION IS SO PLACED THAT DEED, RECORDED IN DEED BOOK P, PAGE 163, 187, 170 AND 165, PUBLIC RECORDS OF HILLSBOROUGH COUNTY, FLORIDA (OF WHICH PINELLAS COUNTY WAS FORMERLY A PART).

FLOOD ZONE:

THE ABOVE DESCRIBED PROPERTY APPEARS TO BE IN ZONE X, IN ACCORDANCE WITH THE FIRM MAP OF PINELLAS COUNTY, FLORIDA, MAP NUMBER 12103C 0019 G, REVISED SEPTEMBER 3, 2003.

PREPARED FOR:

CITIBANK, N.A., ITS SUCCESSORS AND OR ASSIGNS
BILLIE J. RYAN AND MICHELLE D. RYAN HUSBAND AND WIFE
BILIRAKIS LAW GROUP, LLC
OLD REPUBLIC TITLE INSURANCE COMPANY

BOUNDARY SURVEY

CERTIFICATION: I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE SURVEY SHOWN HEREON SUBSTANTIALLY MEETS THE MINIMUM TECHNICAL STANDARDS FOR LAND SURVEYING DESCRIBED IN THE STATE OF FLORIDA RULE 6A-17, F.A.C. FURTHERMORE, THIS CERTIFICATION SHALL NOT EXTEND TO ANY OTHER PERSONS OR PARTIES OTHER THAN THOSE NAMED ON THIS SURVEY AND SHALL NOT BE VALID AND BINDING AGAINST THE UNDERSIGNED SURVEYOR WITHOUT THE ORIGINAL RAISED SEAL AND SIGNATURE OF THE FLORIDA LICENSED SURVEYOR AND MAPPER.


GREGORY A. SHIMP, PROFESSIONAL SURVEYOR & MAPPER No. 6161

JOB NUMBER: 160147	DATE SURVEYED: 4/22/2016
DRAWING FILE: 160147.DWG	DATE DRAWN: 4/23/2016
LAST REVISION: N/A	X REFERENCE: N/A

 **GREGORY A. SHIMP, PSM, LLC**
PROFESSIONAL SURVEYOR & MAPPER
8237 CRESCENT MOON DRIVE, NEW PORT RICHEY, FL 34655
PHONE (727) 859-2161 FAX (727) 493-5599
www.gregshimp.com gregshimp@gmail.com

CURVE TABLE				
CURVE	RADIUS	ARC	CHORD	CHORD BEARING
C1	501.35'M	103.50'R 92.42'R	102.80'M	S33°44'42"E M
C2	530.30'M	92.55'M	92.43'M	N32°50'48"W M

LEGEND

- ☆ - LIGHT POLE
 ● - UTILITY POLE
 — - OVERHEAD UTILITY WIRE(S)
 ☒ - WATER METER
 ☐ - A/C UNIT

*** OTHER COMMONLY RECOGNIZED AND/OR ACCEPTED ABBREVIATIONS ARE ALSO UTILIZED BUT NOT SPECIFIED HEREON.

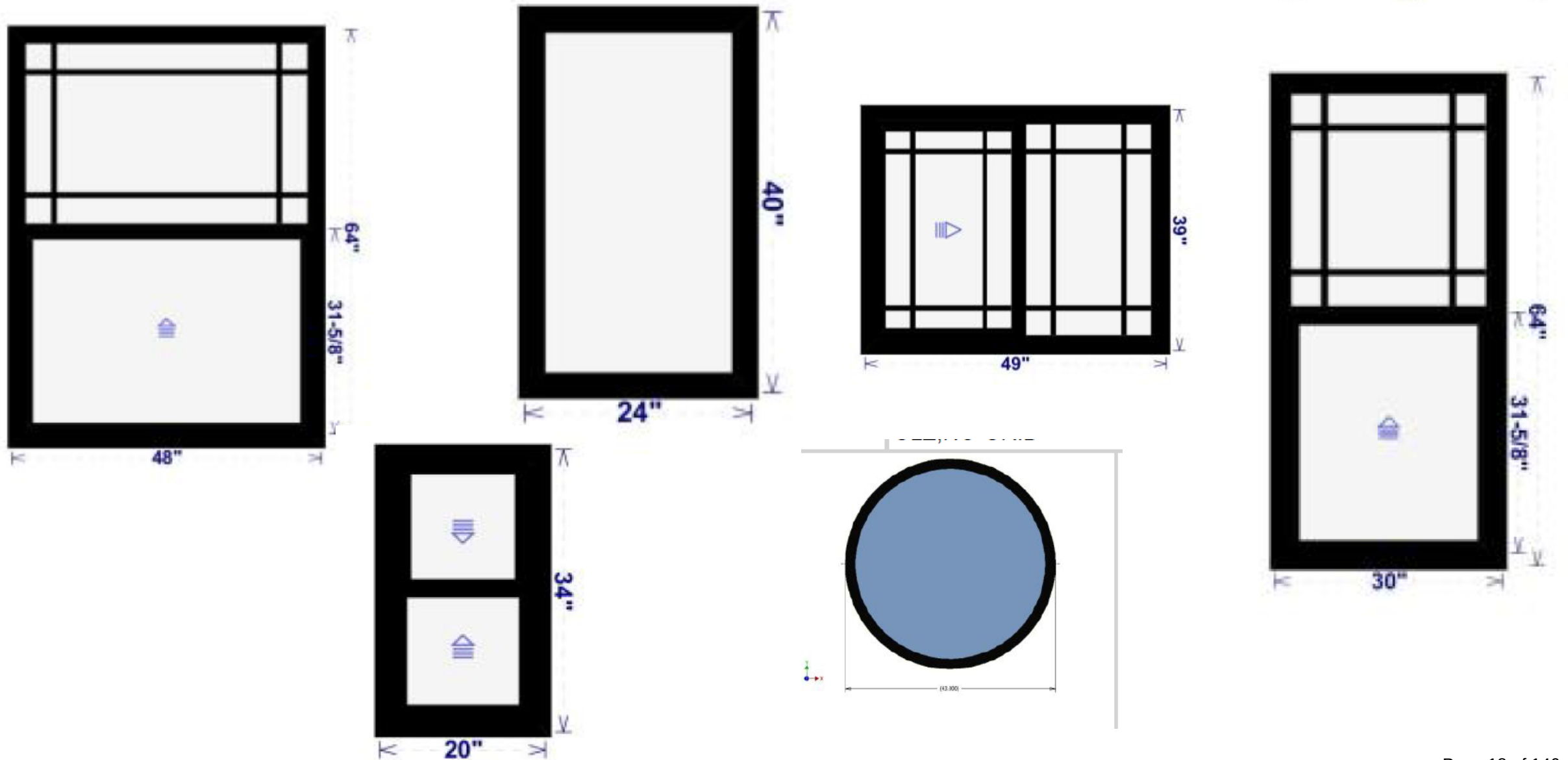
GENERAL NOTES

1. UNLESS OTHERWISE STATED, THE PROPERTY DESCRIPTION SHOWN HEREIN WAS PROVIDED BY THE CLIENT, OR CLIENT'S DESIGNATED AGENT.
2. EXCEPT AS SHOWN HEREIN.
3. UNDERGROUND IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO BUILDING FOUNDATIONS, HAVE NOT BEEN LOCATED.
4. ACCESSIBLE ABOVE GROUND IMPROVEMENTS (E.G. BUILDING OVERHANGS, THOSE WITHIN SECURED AREAS, ETC.) HAVE NOT BEEN LOCATED EXCEPT AS SHOWN HEREIN.
5. UNLESS OTHERWISE STATED, THIS SURVEY IS PREPARED WITHOUT THE BENEFIT OF A TITLE SEARCH AND MAY BE SUBJECT TO ADDITIONAL EASEMENTS, RIGHT-OF-WAYS, AND OTHER MATTERS OF RECORD.
6. THERE ARE NO VISIBLE ENCROACHMENTS, EXCEPT AS SHOWN HEREIN.
7. BASIS OF BEARINGS IS PLAT, UNLESS OTHERWISE STATED.
8. ALL BUILDING TIES, PROPERTY MARKER LOCATIONS AND OTHER SITE IMPROVEMENT LOCATIONS SHOWN HEREIN ARE INTENDED TO BE PERPENDICULAR TO ADJACENT BOUNDARY LINES, UNLESS OTHERWISE STATED.
9. THE PROPERTY BOUNDARY AND/OR PLAT TIE LOCATIONS SHOWN HEREIN ARE BASED ON RECORDS SCALED FROM THE REFERENCED MAP AND ARE APPROXIMATE. THE TRUE FLOOD ZONE LINES MUST BE DETERMINED BY AN ENGINEER.
10. THIS SURVEY DOES NOT DETERMINE OR IMPLY OWNERSHIP.
11. THERE MAY BE ADDITIONAL RESTRICTIONS OR EASEMENTS OF RECORD THAT ARE NOT SHOWN HEREIN THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.



HISTORICAL PHOTO PROVIDED BY APPLICANT

PROPOSED PROJECT



PROPOSED PROJECT



PROPOSED PROJECT



PROPOSED PROJECT



STANDARDS FOR REVIEW – CERTIFICATE OF APPROVAL

- 1) New construction consistency.
- 2) Windows, doors and entries.
- 3) Neighborhood and district context.
- 4) Roof shape and texture.
- 5) Size and massing / shape.
- 6) Landscaping.
- 7) Architectural features.
- 8) Adherence to period of construction.
- 9) Adherence to Secretary's Guidelines.
- 10) Conformance with other City code requirements.
- 11) Impact upon archeological sites.

DESIGN GUIDELINES REVIEW MANUAL

City of Tarpon Springs Design Review Guidelines Manual



Guideline 55. Replacement Windows

- If 50% or more of the windows are deteriorated or missing, then the wholesale replacement of all windows is permitted, provided that the new windows shall match the key design elements of the original windows. Replacement windows can be wood, anodized aluminum (not raw aluminum), or vinyl.
- Where window replacement is necessary, the new window should match the historic window in location, size, type, glazing pattern, profile, and color. The number of windowpanes, and the approximate muntin and mullion profile of the replacement window should also match the historic window.
- Maintain the historic window opening size and surrounding trim and surrounds including but not limited to sash, frame, and sill.
- Retain the window type indigenous to the historic style of the building. For example, do not replace a historic double-hung window with a new casement window.
- Tinted glass is not permitted.

Best Choice

Maintain and preserve your existing historic wood windows.

Good Alternative

- Replace in-kind i.e. a wood window with the same configuration, dimensions, and key design elements. This includes matching the muntin, mullion, sill, and trim profiles and dimensions
- Replace a single-hung window with a double-hung or vice-versa as long as all other elements match
- It is also acceptable to replace a wood window with aluminum clad or composite/fiberglass as long as the configuration, dimensions, profiles, and design elements all match

It is generally not appropriate to:

- increase or decrease the historic opening to accommodate smaller or larger windows, or remove or cover surrounding trim, including wood or masonry details
- use removable, snap-in, or “between the glass” muntins on primary buildings

NOTE: Vinyl or vinyl clad windows are acceptable replacements only on mid-20th century properties, on non-visible elevations, and on non-contributing properties.



PRELIMINARY STAFF RECOMMENDATION

Staff recommends **denial** of Application #24-50 due to inconsistency with review criteria and the Design Guidelines Review Manual. If the HPB approves the project, the following conditions are recommended:

1. No tinted glass will be used.
2. The Certificate of Approval will expire in three (3) years if a building permit has not been issued for the project.

The project was publicly noticed. No responses to the notices have been received.



HISTORICAL STRUCTURE FORM

FLORIDA MASTER SITE FILE

Consult Guide To Historical Structure Forms for detailed instructions

Site # 8PI1618

Recorder # 189

Recorder Date 2/17/09

Original ☐Update ☒

Site Name Jacob Disston House Other Names

Project Name Historic Resources Survey of Tarpon Springs

Historic Contexts Post-Reconstruction National Register Category Building

LOCATION and IDENTIFICATION

Address 36 N Spring Boulevard

Vicinity of E side of Spring between Orange and Tarpon

City Tarpon Springs County Pinellas

Ownership Private-individual Subdivision Block # Lot #

MAPPING

USGS Map TARPON SPRINGS Township 27S Range 15E Section 12

Quarter Qtr Qtr Irregular Section ☐ UTM Zone 17

Easting 327319 Northing 3114747 Land Grant Unknown

Latitude Longitude Plat or Other Map Aerial Photographs

HISTORY

Architect/Builder Jacob Disston Construction Date 1888 Circa ☒Alterations ☒ Date c.1910 Type/Location brick veneer replaced with wood sidingAdditions ☒ Date c.1980 Type/Location rear two story flat roof with stucco and a round window with a two story porch/deckMoved ☐ Original Location

Use Original Private residence Use Present Private residence

DESCRIPTION

Style Queen Anne Revival Exterior Plan Irregular Interior Plan Unknown Stories 2

Structural System Brick Exterior Fabric Brick; Stucco

Foundation Continuous Foundation Materials Brick Foundation Infill N/A

No. of Porches 2 Locations/Features separate hipped roof wraps west and south sides (one story); second floor porch with gable roof at west elevation

Main Entrance (stylistic details): off-center entry under main porch

Outbldgs. ☒ Number 1 Nature/Location (Describe below)
two story rear three car garage c.1925 (contributing)

Roof Type Gable; Hip Roofing Materials Composition shingles

Secondary Structures ☒ Comments Gable dormer Location westChimneys ☒ Number 1 Orientation North Location Wall Material BrickWood Windows ☒ Type DHS Light # 8/1Metal Windows ☐ Type Light #

Exterior Ornament rafter tails, concrete sills

Condition Good Surroundings Residential

Narrative (general, interior, landscape, context; 3 lines only)

This two-story brick residence has a steep pitched roof with minimal overhang. The irregular massed house has multiple roof lines. A low slope front gable supported by brick columns is located at the entry stairs to the hipped roof wrap porch. A second level gable roof porch is located at the south side of the main elevation. The residence is located on a corner lot with a rusticated block site wall. The house was built by Jacob Disston, brother of Hamilton Disston, founder of Tarpon Springs, for use as a winter residence.

Archaeological Remains Present ☐ FMSF Archaeological Site Form Completed (if yes, attach) ☐

Consult Guide To Historical Structure Forms for detailed instructions

RECORDER'S EVALUATION OF SITE

Individually Eligible for National Register? Yes ☐ No ☐ Likely, Need Information ☒ Insufficient Information ☐Potential Contributor to Nat. Reg. District? Yes ☒ No ☐ Likely, Need Information ☐ Insufficient Information ☐

Areas of Significance

Community planning & development

Summary of Significance

This resource is an example of residential architecture in Tarpon Springs during the Post-Reconstruction-era and is representative of the development of the City of Tarpon Springs. Although this building has undergone some minor alterations, the majority of architectural details remain and the overall historic massing is retained. Therefore, this building would be considered a contributing resource to the NRHP and Local Tarpon Springs Historic District.

DHR USE ONLY		OFFICIAL EVALUATIONS	DHR USE ONLY	
NR DATE ____/____/____	KEEPER-NR ELIGIBILITY ☐ yes ☐ no		Date	____/____/____
DELIST DATE ____/____/____	SHPO-NR ELIGIBILITY: ☐ yes ☐ no ☐ potentially elig. ☐ insufficient info		Date	____/____/____
	LOCAL DESIGNATION: _____		Date	____/____/____
	Local office _____			
National Register Criteria for Evaluation ☐ a ☐ b ☐ c ☐ d (See National Register Bulletin 15, p. 2)				

DOCUMENTATION

Research Methods Florida Site File for past architectural surveys; Florida Site File search; Local library; Tax records; Pedestrian; Sanborn maps

Bibliographic References Olausen, Stephen A. FMSF form for 8PI1618. on file, Florida Department of State, Division of Historic Resources, Tallahassee, Florida.

Location of Negatives Janus Research

Negative Numbers Roll 2885, #133, Facing E

RECORDER INFORMATION

Recorder Name Janus Research

Recorder Affiliation JANUS RESEARCH, 1107 N. Ward Street, Tampa, Florida 33607 Telephone 813-636-8200

- REQUIRED:**
1. USGS 7.5' MAP WITH STRUCTURES PINPOINTED IN RED
 2. LARGE SCALE STREET OR PLAT MAP
 3. PHOTO OF MAIN FACADE, PREFERABLY B&W, AT LEAST 3x5



SKETCH MAP





Location of 8PI1618

USGS Quadrangle: Tarpon Springs (1973 PR 1987)

CITY OF TARPON SPRINGS, FLORIDA
Heritage Preservation Board
Application for Certificate of Approval

Return to:
 Planning & Zoning Department
 324 E. Pine Street
 Tarpon Springs, FL 34689
 (727) 942-5611

(Please type or print clearly)

Property Owner(s)

Name Michelle Ryan		Email Mryan@satexas.com	
Address 36 n spring blvd			
City Tarpon springs		State FL	Zip 34689
Phone 2106027833	Fax		Cellular

Applicant

Name Michelle Ryan		Email	
Address			
City		State	Zip
Phone	Fax		Cellular

Agent (if applicable)

Name N/A		Email	
Address			
City		State	Zip
Phone	Fax		Cellular

General Information

Property Location or Address 36 n spring blvd			
Legal Description (attach additional sheets as necessary)			
Tax Parcel Number(s) 12-27-15-89982-065-0007	Current Designations of Property <table border="1"> <tr> <td>Land Use Category</td> <td>Zoning District</td> </tr> </table>	Land Use Category	Zoning District
Land Use Category	Zoning District		
Current Use of Property Residential	Contributing Structure? ☐ YES ☐ NO		

Type of Proposed Activity: [please check all that apply]

- | | | | |
|-------------------------------------|---|--|--|
| ☐ Demolition | ☐ Relocation * | ☐ Structural Addition | ☐ Driveway |
| ☐ Renovation | ☐ New Construction | ☐ New Roof | ☒ Other <u>Windows</u> |

*** If Relocation, please indicate new location:**

New Property Location or Address			
Legal Description (attach additional sheets as necessary)			
Tax Parcel Number(s)	Current Designations of Property <table border="1"> <tr> <td>Land Use Category</td> <td>Zoning District</td> </tr> </table>	Land Use Category	Zoning District
Land Use Category	Zoning District		

CITY OF TARPON SPRINGS, FLORIDA
Heritage Preservation Board
Application for Certificate of Approval

General Building Information

Year Built 1888	Architectural Style Queen Ann	Porches? ☒ YES ☐ NO
Original Use Residence	Present Use Residence	Proposed Use
Roof Type & Material		Exterior Siding Material

Previous Additions or Modifications: [please describe and include dates]

See historical structure form

Description of Proposed Work:

Would like to start replacing windows. We take such weather in the front and back of the house. The wood will not hold up and we have painted the house 3 times in 6 years. We have 50+ windows. Unfortunately its not cost effective to put in wood windows and we have Recieved quotes from Andersen and had Pella as well. Both would be in excess of \$300k. We will need to go with a vinyl window and are looking at black to give the house an upgraded look from white vinyl

For relocation or demolition, describe the property's physical condition, steps taken to save the property and whether renovation would be economically feasible:

Windows have been reworked twice, I have rebuilt windows multiple times but the glass just fell out of one. Our electric bill is over \$800 a month, we would also like to do impact its to hard to board the house since its so tall.

Requirements for Submission:

Please submit those items which have been checked by City staff:

- ☐ Completed original application with digital copies of all application documents
- ☐ \$50.00 application fee plus advertisement costs which will be invoiced upon calculation by Staff
- ☐ \$50.00 application fee for signs only
- ☐ Property survey, signed and sealed by a professional land surveyor
- ☐ Architectural floor plans and elevations (10 copies)
- ☐ Site Plan for new construction (10 copies)
- ☐ Landscaping plan (10 copies)
- ☐ Details of exterior modifications

CITY OF TARPON SPRINGS, FLORIDA
Heritage Preservation Board
Application for Certificate of Approval

AFFIDAVIT

I (we), the undersigned, certify ownership of the property within this application, that said ownership has been fully divulged, whether such ownership by contingent or absolute, and that the name of all parties to an existing contract for sale or any options are filed with this application.

I (we) certify that Michelle Ryan is (are) duly designated as the agent(s) for the owner, that the agent(s) is (are) authorized to provide subject matter on the application contained herein, whether verbal or written, and appear at any public hearing(s) involving this petition.

AGENT

I (we) assent to the City's Comprehensive Plan as it applies to the property. Further, it is understood that this application must be complete and accurate and the appropriate fee paid prior to processing.

Date: _____	Title Holder/Property Owner: _____
Date: _____	Title Holder/Property Owner: _____
Date: _____	Title Holder/Property Owner: _____
Date: <u>June 14, 2024</u>	Title Holder/Property Owner: _____



STATE OF FLORIDA)
COUNTY OF PINELLAS)

The foregoing instrument was acknowledged before me this _____ day of _____, A.D., 20 ____ by _____, who is personally known to me or who has produced _____ as identification and who did (did not) take an oath.

PROPERTY OWNER NAME PRINTED

NOTARY PUBLIC

Name: _____
Signature: _____
Stamp: _____

CITY OF TARPON SPRINGS, FLORIDA
Heritage Preservation Board
Application for Certificate of Approval

In reviewing an application for a Certificate of Approval, the Board shall consider the following Standards for Review:

- (1) The height and width of any proposed alteration or new construction shall be consistent with that of adjacent contributing structures and with those structures of similar character and architectural style found throughout the immediate neighborhood or the district.*
- (2) The width and height of windows, doors, and entries shall be consistent with the character of the building's original architectural style. Repair or replacement of missing architectural features such as windows, mullions, doors, entries, hand rails, etc., should be based on accurate duplications, substantiated by historic, physical or pictorial evidence rather than on conjectural designs or the availability of different architectural elements from other buildings or structures.*
- (3) The relationship of a structure within an historic or cultural preservation district to the open space between it and the street and to other buildings or scenic views, vistas or streetscapes characterizing the area, shall be protected through a site plan review process addressing setbacks, roof lines, garage placement, parking and access analysis and the use of landscaping.*
- (4) The shape and texture of the roof shall replicate the shape, texture and type of roof distinguishing the building's original architecture and on structures of similar style and age within the Historic and Cultural Preservation District.*
- (5) The size and mass (or shape) of the building after alteration shall be reflective of the building's original architectural style. The size and mass (or shape) of a proposed structure (new construction) should reflect the character of contributing buildings within the District as well as those immediately surrounding the subject property and shall include review of architectural elements such as roof lines, fenestration, and other components of facade design.*
- (6) Landscaping shall be utilized as a means to enhance the architectural character and appearance of the structure or traditional cultural property and to protect and define open spaces and pedestrian ways within Historic and Cultural Preservation Districts.*
- (7) Distinctive architectural features shall be repaired rather than replaced, wherever possible. Architectural details, including color, materials, texture, and site lighting shall be treated so as to make the building, structure, or traditional cultural property consistent with the property's original architectural style and character. New materials should replicate the material being replaced in composition, design, color, texture and other visual qualities.*
- (8) All buildings, structures, sites and traditional cultural properties shall be recognized as products of their own time. Alterations, modifications or other changes to a structure or traditional cultural property shall not attempt to create an earlier appearance than the original date of construction. Changes which may have taken place in the course of time are evidence of the history and development of the subject property and may have acquired significance in their own right. This significance shall be recognized and respected.*
- (9) The renovation of contributing structures in an historic or cultural district or designated sites shall meet the Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings.*
- (10) The proposed project shall conform with the other requirements of this Code and be in compliance with the applicable goals, objectives, and policies of the Comprehensive Plan.*
- (11) The impact upon archaeological sites shall preserve the integrity of the site.*

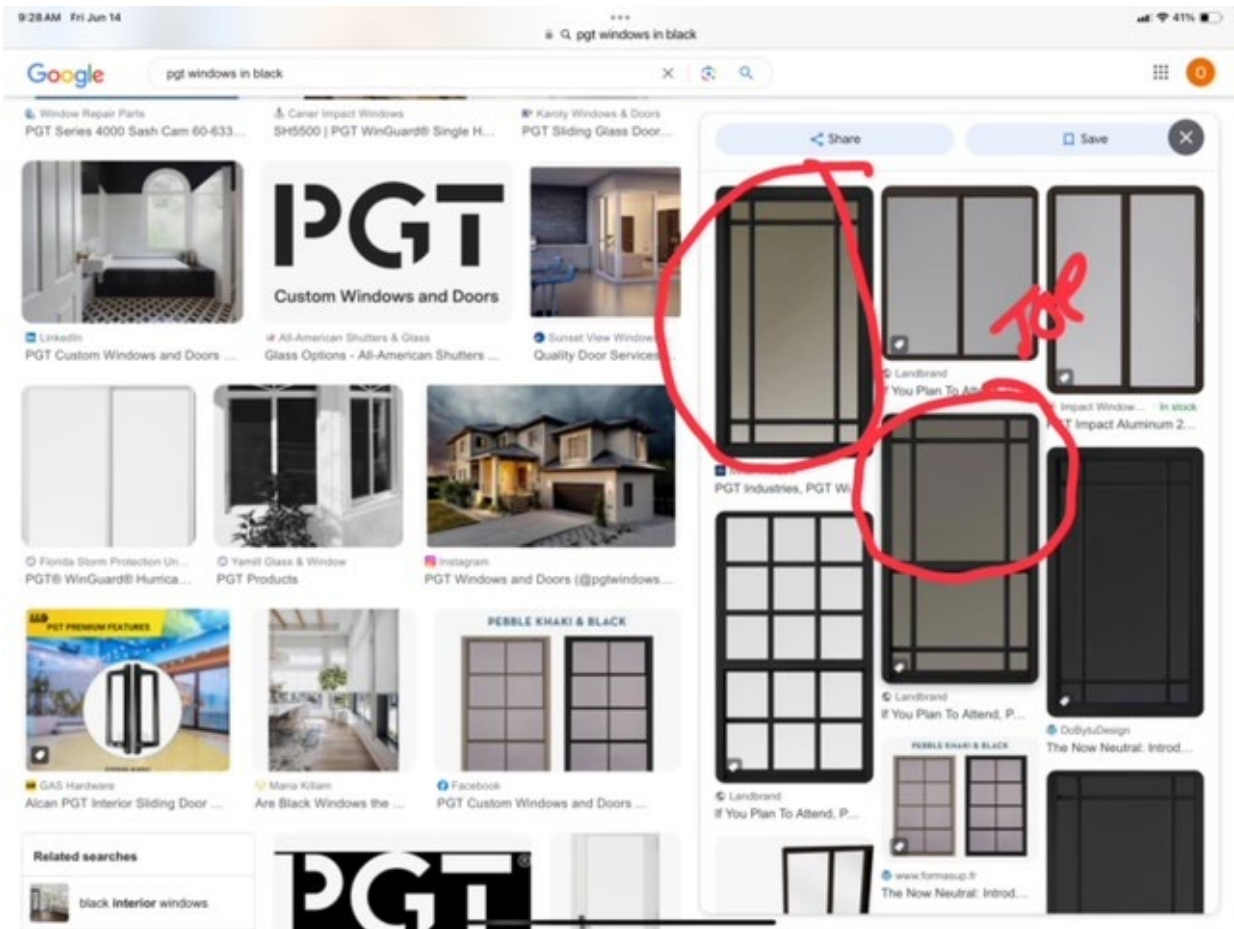
From: [Michelle D Ryan](#)
To: [Kim Creighton](#); [Caroline Lanford](#)
Subject: Application for new windows
Date: Friday, June 14, 2024 10:55:37 AM
Attachments: [Certificate-of-Approval-Application-1.pdf](#)

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Good morning Im attaching an application to install new impact windows over the next year, unfortunately when we priced the wood they were over \$300k for a clad wood window. We have reworked our windows 3 times since 2016 and added window tint to help off set the electric bill that is over \$800 but the front and the back of the house just keep rotting out. My back round window from the addition is rotted out for the second time and we have painted it and protected several times. That one window was almost \$9k from pella and 12k from Andersen. No one has that kind of budget with the upkeep on these houses. In order to maintain some of the look were going to upgrade to a black vinyl window on the outside so that they dont look stark white and stick out from the house. I also thought we would take the grid pattern back to what it was in the attached photo which was prairie style. Some of the windows that are picture windows will have grids like the picture below while the single hungs will have top grids, the picture is hard to see if there is actually a bottom grill. The sides of the house will stay clear light.

As much as it pains me to do, for the long term it's what's best for the house to maintain its strength, last for another 100 years and so we can afford to stay here in our retirement.

Let me know what other documentation you may need. I would like to get on next months meeting if possible, the back window Im really worried about especially during hurricane season. I wish I had gotten to this sooner but with everything going on with my dad the last 8 months have been a challenge.





Michelle Ryan

NFRC Report

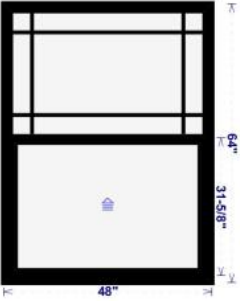
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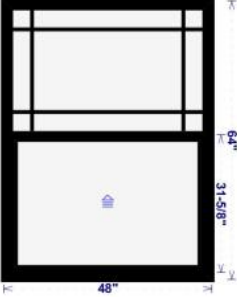
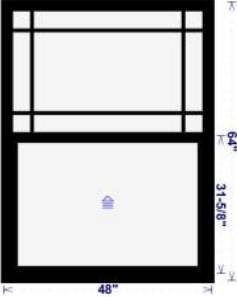
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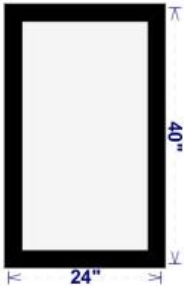
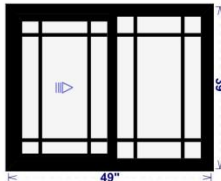
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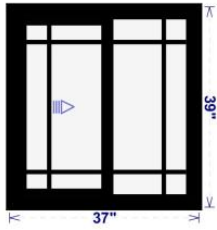
Job Address:

www.pgtwindows.com

Line #	Item Description	Quantity	Location
0001 (1.00)	SH5500 VINYL SINGLE HUNG 5500 48.X64.X.,STD,5/8" FL,K/W,EQUAL,7/8 LIG,CL,ARG,ES Max,13/16" GBG,NONE,DBL,SWEEP,BVK-BOXED,CMFRT LFT HNDL	Ordered: 1.00 PO Number:	
 Certification Type: MIAMI Frame Type: .625FLANGE Window Style: STD Size Ref: ACTUAL Height: 64.0000 Rough Masonry: 49 3/4 X 65 Egress Opening: 43 3/4 X 27 3/8 (8.3079 SQFT) Balance Type: CONSTANT Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: GBGF0813 - 13/16" Flat Grid Between Grid Location: UNIT Grid Pattern Bottom: NONE Reinf. Upgrade: MIAMIMAXIMP1 - Reinforcement Screen Frame Type: EXTRUDED WOCD: N Upgrade Hardware Finish: N Lift Rail: N Anchor Group: C.HU54.55.1 Vent Ht: 31.6430 PositiveDesignPressure: 65.0000 PANumber: FL239 CondensationResistance: 59.0000 SolarHeatGainCoeff: 0.1900 VTCOG: 0.6300 NOA Selection: 23-0707.12 Vent Configuration: EQUAL Size Selection: CUSTOM Width: 48.0000 Actual Size: 48 X 64 Wood Frame Opening: 48 1/4 X 64 1/4 Frame Color: K/W - Black Exterior/White Interior Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Grid Style: CUSTOMLP Grid Pattern Top: 9LP Brittany Square Size: 4.0000 Screen Type: BVK - BetterVue Charcoal Vent Latch: N Lock Type: SWEEP - Sweep Latch Comfort Lift: Y Lock Quantity: 2.0000 Boxing Options: BS - Box Screen CAR#: 23-0707.12 NegativeDesignPressure: 70.0000 EnergyStar: 1.0000 UF: 0.3100 VT: 0.4300 CPD: PGT-K-208-02138-00134			
0002 (2.00)	SH5500 VINYL SINGLE HUNG 5500 48.X64.X.,STD,5/8" FL,K/W,EQUAL,7/8 LIG,CL,ARG,ES Max,13/16" GBG,NONE,DBL,SWEEP,BVK-BOXED,CMFRT LFT HNDL	Ordered: 1.00	

		Certification Type: MIAMI Frame Type: .625FLANGE Window Style: STD Size Ref: ACTUAL Height: 64.0000 Rough Masonry: 49 3/4 X 65 Egress Opening: 43 3/4 X 27 3/8 (8.3079 SQFT) Balance Type: CONSTANT Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: GBGF0813 - 13/16" Flat Grid Between Grid Location: UNIT Grid Pattern Bottom: NONE Reinf. Upgrade: MIAMIMAXIMP1 - Reinforcement Screen Frame Type: EXTRUDED WOCD: N Upgrade Hardware Finish: N Lift Rail: N Anchor Group: C.HU54.55.1 Vent Ht: 31.6430 PositiveDesignPressure: 65.0000 PANumber: FL239 CondensationResistance: 59.0000 SolarHeatGainCoeff: 0.1900 VTCOG: 0.6300	NOA Selection: 23-0707.12 Vent Configuration: EQUAL Size Selection: CUSTOM Width: 48.0000 Actual Size: 48 X 64 Wood Frame Opening: 48 1/4 X 64 1/4 Frame Color: K/W - Black Exterior/White Interior Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Grid Style: CUSTOMLP Grid Pattern Top: 9LP Brittany Square Size: 4.0000 Screen Type: BVK - BetterVue Charcoal Vent Latch: N Lock Type: SWEEP - Sweep Latch Comfort Lift: Y Lock Quantity: 2.0000 Boxing Options: BS - Box Screen CAR#: 23-0707.12 NegativeDesignPressure: 70.0000 EnergyStar: 1.0000 UF: 0.3100 VT: 0.4300 CPD: PGT-K-208-02138-00134
0003 (3.00)	SH5500 VINYL SINGLE HUNG 5500 48.X64.X.,STD,5/8" FL,K/W,EQUAL,7/8 LIG,CL,ARG,ES Max,13/16" GBG,NONE,DBL,SWEEP,BVK-BOXED,CMFRT LFT HNDL	Ordered: 1.00	
		Certification Type: MIAMI Frame Type: .625FLANGE Window Style: STD Size Ref: ACTUAL Height: 64.0000 Rough Masonry: 49 3/4 X 65 Egress Opening: 43 3/4 X 27 3/8 (8.3079 SQFT) Balance Type: CONSTANT Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: GBGF0813 - 13/16" Flat Grid Between Grid Location: UNIT Grid Pattern Bottom: NONE Reinf. Upgrade: MIAMIMAXIMP1 - Reinforcement Screen Frame Type: EXTRUDED WOCD: N Upgrade Hardware Finish: N Lift Rail: N Anchor Group: C.HU54.55.1 Vent Ht: 31.6430 PositiveDesignPressure: 65.0000 PANumber: FL239 CondensationResistance: 59.0000 SolarHeatGainCoeff: 0.1900 VTCOG: 0.6300	NOA Selection: 23-0707.12 Vent Configuration: EQUAL Size Selection: CUSTOM Width: 48.0000 Actual Size: 48 X 64 Wood Frame Opening: 48 1/4 X 64 1/4 Frame Color: K/W - Black Exterior/White Interior Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Grid Style: CUSTOMLP Grid Pattern Top: 9LP Brittany Square Size: 4.0000 Screen Type: BVK - BetterVue Charcoal Vent Latch: N Lock Type: SWEEP - Sweep Latch Comfort Lift: Y Lock Quantity: 2.0000 Boxing Options: BS - Box Screen CAR#: 23-0707.12 NegativeDesignPressure: 70.0000 EnergyStar: 1.0000 UF: 0.3100 VT: 0.4300 CPD: PGT-K-208-02138-00134
0004 (4.00)	PW5520 PW5520 VINYL PICTURE WINDOW 24.X40.,5/8" FL,K/W,7/8 LIG,CL,ARG,ES Max,OUTSIDE GLZ,NO GRID	Ordered: 1.00	

	Certification Type: MIAMI Frame Type: .625FLANGE Size Ref: ACTUAL Height: 40.0000 Rough Masonry Opening: 25 3/4 X 41 Frame Color: K/W - Black Exterior/White Interior Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: NONE - NO Grid CAR#: 23-0816.06 NegativeDesignPressure: 50.0000 EnergyStar: 123.0000 UF: 0.2400 VT: 0.5300 CPD: PGT-K-206-02896-00001	NOA Selection: 23-0816.06 Size Selection: CUSTOM Width: 24.0000 Actual Size: 24 X 40 Wood Frame Opening: 24 1/4 X 40 1/4 Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Boxing Options: N - None PositiveDesignPressure: 50.0000 PANumber: FL243 CondensationResistance: 61.0000 SolarHeatGainCoeff: 0.2300 VTCOG: 0.6300
0005 (5.00)	HR5510 VINYL HORIZONTAL ROLLER 5510 49.X39.,5/8" FL,K/W,7/8 LIG,CL,ARG,ES Max,13/16" GBG,9LP,XO,EQUAL,BVK-BOXED,SWEEP	Ordered: 1.00
	Certification Type: MIAMI Frame Type: .625FLANGE Vent Configuration: EQUAL Size Ref: ACTUAL Height: 39.0000 Rough Masonry Opening: 50 3/4 X 40 Egress Opening: 19 9/16 X 34 1/16 SQFT 4.619 Glass Family: LI - Laminated Insulating Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: GBGF0813 - 13/16" Flat Grid Between Grid Style: 9LP Grid Summary: LEFT Brittany Square Size: 4.0000 Screen Type: BVK - BetterVue Charcoal Vent Latch: N Lock Type: SWEEP - Sweep Latch Anchor Group: C.HR54.55.1 CAR#: 23-0707.08 NegativeDesignPressure: 70.0000 EnergyStar: 1.0000 UF: 0.2900 VT: 0.4100 CPD: PGT-K-205-02294-00002	NOA Selection: 23-0707.08 Unit Configuration: XO Size Selection: CUSTOM Width: 49.0000 Actual Size: 49 X 39 Wood Frame Opening: 49 1/4 X 39 1/4 Frame Color: K/W - Black Exterior/White Interior Glass Type: 1/8" - 5/16" Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Grid Color: K/W Grid Location: UNIT Grid Summary: RIGHT Reinf. Upgrade: MIAMIMAXIMP3 - Reinforcement Screen Frame Type: EXTRUDED Window Opening Control Device: N Upgrade Hardware Finish: N Boxing Options: BS - Box Screen PositiveDesignPressure: 65.0000 PANumber: FL242 CondensationResistance: 59.0000 SolarHeatGainCoeff: 0.1900 VTCOG: 0.6300
0006 (6.00)	HR5510 VINYL HORIZONTAL ROLLER 5510 37.X39.,5/8" FL,K/W,7/8 LIG,CL,ARG,ES Max,13/16" GBG,6LP,XO,EQUAL,BVK-BOXED,SWEEP	Ordered: 1.00



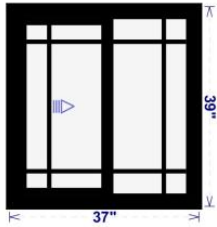
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Frame Type: .625FLANGE
Vent Configuration: EQUAL
Size Ref: ACTUAL
Height: 39.0000
Rough Masonry Opening: 38 3/4 X 40
Egress Opening: 13 9/16 X 34 1/16 SQFT 3.1997
Glass Family: LI - Laminated Insulating
Interlayer Type: PVB090
Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN
Glass Color: CL - CLEAR
Argon Gas: ARGON
Grid Type: GBGF0813 - 13/16" Flat Grid Between
Grid Style: 6LP
Grid Summary: LEFT
Brittany Square Size: 4.0000
Screen Type: BVK - BetterVue Charcoal
Vent Latch: N
Lock Type: SWEEP - Sweep Latch
Anchor Group: C.HR54.55.1
CAR#: 23-0707.08
NegativeDesignPressure: 70.0000
EnergyStar: 1.0000
UF: 0.2900
VT: 0.4100
CPD: PGT-K-205-02294-00002

NOA Selection: 23-0707.08
Unit Configuration: XO
Size Selection: CUSTOM
Width: 37.0000
Actual Size: 37 X 39
Wood Frame Opening: 37 1/4 X 39 1/4
Frame Color: K/W - Black Exterior/White Interior
Glass Type: 1/8" - 5/16"
Glass Makeup: LIA207AA5
Does unit need to meet Turtle Code: NO
Low E: ENERGY SHIELD MAX
Privacy Glass: NONE - NONE
Grid Color: K/W
Grid Location: UNIT
Grid Summary: RIGHT
Reinf. Upgrade: MIAMIMAXIMP3 - Reinforcement
Screen Frame Type: EXTRUDED
Window Opening Control Device: N
Upgrade Hardware Finish: N
Boxing Options: BS - Box Screen
PositiveDesignPressure: 65.0000
PANumber: FL242
CondensationResistance: 59.0000
SolarHeatGainCoeff: 0.1900
VTCOG: 0.6300

0007
(7.00)

HR5510 VINYL HORIZONTAL ROLLER 5510
37.X39.,5/8" FL,K/W,7/8 LIG,CL,ARG,ES Max,13/16"
GBG,6LP,XO,EQUAL,BVK-BOXED,SWEEP

Ordered:
1.00



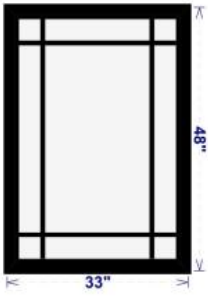
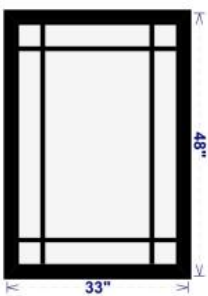
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Frame Type: .625FLANGE
Vent Configuration: EQUAL
Size Ref: ACTUAL
Height: 39.0000
Rough Masonry Opening: 38 3/4 X 40
Egress Opening: 13 9/16 X 34 1/16 SQFT 3.1997
Glass Family: LI - Laminated Insulating
Interlayer Type: PVB090
Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN
Glass Color: CL - CLEAR
Argon Gas: ARGON
Grid Type: GBGF0813 - 13/16" Flat Grid Between
Grid Style: 6LP
Grid Summary: LEFT
Brittany Square Size: 4.0000
Screen Type: BVK - BetterVue Charcoal
Vent Latch: N
Lock Type: SWEEP - Sweep Latch
Anchor Group: C.HR54.55.1
CAR#: 23-0707.08
NegativeDesignPressure: 70.0000
EnergyStar: 1.0000
UF: 0.2900
VT: 0.4100
CPD: PGT-K-205-02294-00002

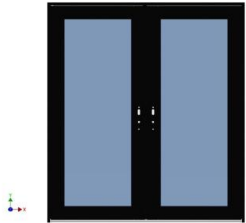
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Unit Configuration: XO
Size Selection: CUSTOM
Width: 37.0000
Actual Size: 37 X 39
Wood Frame Opening: 37 1/4 X 39 1/4
Frame Color: K/W - Black Exterior/White Interior
Glass Type: 1/8" - 5/16"
Glass Makeup: LIA207AA5
Does unit need to meet Turtle Code: NO
Low E: ENERGY SHIELD MAX
Privacy Glass: NONE - NONE
Grid Color: K/W
Grid Location: UNIT
Grid Summary: RIGHT
Reinf. Upgrade: MIAMIMAXIMP3 - Reinforcement
Screen Frame Type: EXTRUDED
Window Opening Control Device: N
Upgrade Hardware Finish: N
Boxing Options: BS - Box Screen
PositiveDesignPressure: 65.0000
PANumber: FL242
CondensationResistance: 59.0000
SolarHeatGainCoeff: 0.1900
VTCOG: 0.6300

0008
(8.00)

PW5520 PW5520 VINYL PICTURE WINDOW
33.X48.,5/8" FL,K/W,7/8 LIG,CL,ARG,ES Max,OUTSIDE GLZ,13/16"
GBG,9LP

Ordered:
1.00

	Certification Type: MIAMI Frame Type: .625FLANGE Size Ref: ACTUAL Height: 48.0000 Rough Masonry Opening: 34 3/4 X 49 Frame Color: K/W - Black Exterior/White Interior Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: GBGF0813 - 13/16" Flat Grid Between Grid Style: 9LP Boxing Options: N - None PositiveDesignPressure: 50.0000 PANumber: FL243 CondensationResistance: 61.0000 SolarHeatGainCoeff: 0.2100 VTCOG: 0.6300	NOA Selection: 23-0816.06 Size Selection: CUSTOM Width: 33.0000 Actual Size: 33 X 48 Wood Frame Opening: 33 1/4 X 48 1/4 Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Grid Color: K/W Brittany Square Size: 4.0000 CAR#: 23-0816.06 NegativeDesignPressure: 50.0000 EnergyStar: 123.0000 UF: 0.2400 VT: 0.4700 CPD: PGT-K-206-02896-00002
0009 (9.00)	PW5520 PW5520 VINYL PICTURE WINDOW 33.X48.,5/8" FL,K/W,7/8 LIG,CL,ARG,ES Max,OUTSIDE GLZ,13/16" GBG,9LP	Ordered: 1.00
	Certification Type: MIAMI Frame Type: .625FLANGE Size Ref: ACTUAL Height: 48.0000 Rough Masonry Opening: 34 3/4 X 49 Frame Color: K/W - Black Exterior/White Interior Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: GBGF0813 - 13/16" Flat Grid Between Grid Style: 9LP Boxing Options: N - None PositiveDesignPressure: 50.0000 PANumber: FL243 CondensationResistance: 61.0000 SolarHeatGainCoeff: 0.2100 VTCOG: 0.6300	NOA Selection: 23-0816.06 Size Selection: CUSTOM Width: 33.0000 Actual Size: 33 X 48 Wood Frame Opening: 33 1/4 X 48 1/4 Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Grid Color: K/W Brittany Square Size: 4.0000 CAR#: 23-0816.06 NegativeDesignPressure: 50.0000 EnergyStar: 123.0000 UF: 0.2400 VT: 0.4700 CPD: PGT-K-206-02896-00002
0010 (10.00)	PW5520 PW5520 VINYL PICTURE WINDOW 73.X24.,5/8" FL,K/W,7/8 LIG,CL,ARG,ES Max,OUTSIDE GLZ,NO GRID	Ordered: 1.00
	Certification Type: MIAMI Frame Type: .625FLANGE Size Ref: ACTUAL Height: 24.0000 Rough Masonry Opening: 74 3/4 X 25 Frame Color: K/W - Black Exterior/White Interior Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: NONE - NO Grid Boxing Options: N - None PositiveDesignPressure: 50.0000 PANumber: FL243 CondensationResistance: 61.0000 SolarHeatGainCoeff: 0.2300 VTCOG: 0.6300	NOA Selection: 23-0816.06 Size Selection: CUSTOM Width: 73.0000 Actual Size: 73 X 24 Wood Frame Opening: 73 1/4 X 24 1/4 Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Brittany Square Size: 4.0000 CAR#: 23-0816.06 NegativeDesignPressure: 50.0000 EnergyStar: 123.0000 UF: 0.2400 VT: 0.5300 CPD: PGT-K-206-02896-00001
0011 (11.00)	FD5555 FRENCH DOOR SERIES 5555 71.75X79.75,6068,K/W,CL,L7,1-3/16 TLIG,ARGON,NO GRID,OUTSWING,1.375EXTERIOR,XX,ACT R PANEL/INACT L,DUMMY,N,KD FRM,LIT211AA5	Ordered: 1.00



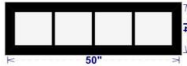
Certification Type: MIAMI
Assembly Type: XX
Size Code: 6068.0000
Assembly Sz: 71 3/4 x 79 3/4
Frame Color: K/W - Black Exterior/White Interior
Threshold Type: 1.375EXTERIOR
Glass Family: LI - Laminated Insulating
Does unit need to meet Turtle Code: NO
Door Glass Color: CLEAR
Argon Gas: ARGON
Grid Type: NONE - NO Grid
Send Inactive Hardware: Y
Hardware Style: 800LVR
Hinge Color: ORB - Oil Rubbed Bronze
5/8 Add-on Flange: N
KD: Y
PositiveDesignPressure: 50.0000
PANumber: FL-253
CondensationResistance: 60.0000
SolarHeatGainCoeff: 0.1600
VTCOG: 0.6200

NOA Selection: 23-0717.01
Size Selection: NOMINAL
Actual Size: 71 3/4 X 79 3/4
Opening Size: 72 X 80
Door Swing: OUTSWING
Primary Panel: RIGHT
Door Glass: 1 3/16" IG (1/8TMP-11/16 ARG-5/16
Glass Color: CL - CLEAR
Low E: ENERGY SHIELD MAX
Privacy Glass: NONE - NONE
Inactive Hardware Prep: DUMMY
Hardware Color: ORBPVD - Oil Rubbed Bronze PVD
Keyed Hardware Alike: N
Anchor Group: C.FD54.55.1
Boxing Options: N - None
CAR#: 23-0717.01
NegativeDesignPressure: 50.0000
EnergyStar: NONE
UF: 0.3000
VT: 0.3600
CPD: PGT-K-198-01061-00004

0012
(12.00)

PW5520 PW5520 VINYL PICTURE WINDOW
50.X14.,5/8" FL,K/W,7/8 LIG,CL,ARG,ES Max,OUTSIDE GLZ,13/16"
GBG,3V0H

Ordered:
1.00



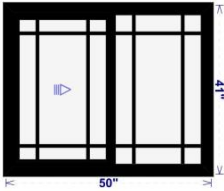
Certification Type: MIAMI
Frame Type: .625FLANGE
Size Ref: ACTUAL
Height: 14.0000
Rough Masonry Opening: 51 3/4 X 15
Frame Color: K/W - Black Exterior/White Interior
Interlayer Type: PVB090
Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN
Glass Color: CL - CLEAR
Argon Gas: ARGON
Grid Type: GBGF0813 - 13/16" Flat Grid Between
Grid Style: U.COL.BARS
Boxing Options: N - None
PositiveDesignPressure: 50.0000
PANumber: FL243
CondensationResistance: 61.0000
SolarHeatGainCoeff: 0.2100
VTCOG: 0.6300

NOA Selection: 23-0816.06
Size Selection: CUSTOM
Width: 50.0000
Actual Size: 50 X 14
Wood Frame Opening: 50 1/4 X 14 1/4
Glass Family: LI - Laminated Insulating
Glass Makeup: LIA207AA5
Does unit need to meet Turtle Code: NO
Low E: ENERGY SHIELD MAX
Privacy Glass: NONE - NONE
Grid Color: K/W
Grid Pattern: - 4A1D LITES (3V0H BARS)
CAR#: 23-0816.06
NegativeDesignPressure: 50.0000
EnergyStar: 123.0000
UF: 0.2400
VT: 0.4700
CPD: PGT-K-206-02896-00002

0013
(13.00)

HR5510 VINYL HORIZONTAL ROLLER 5510
50.X41.,5/8" FL,K/W,7/8 LIG,CL,ARG,ES Max,13/16"
GBG,9LP,XO,EQUAL,BVK-BOXED,SWEEP

Ordered:
1.00



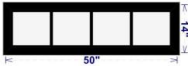
Certification Type: MIAMI
Frame Type: .625FLANGE
Vent Configuration: EQUAL
Size Ref: ACTUAL
Height: 41.0000
Rough Masonry Opening: 51 3/4 X 42
Egress Opening: 20 1/16 X 36 1/16 SQFT 5.0154
Glass Family: LI - Laminated Insulating
Interlayer Type: PVB090
Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN
Glass Color: CL - CLEAR
Argon Gas: ARGON
Grid Type: GBGF0813 - 13/16" Flat Grid Between
Grid Style: 9LP
Grid Summary: LEFT
Brittany Square Size: 4.0000
Screen Type: BVK - BetterVue Charcoal
Vent Latch: N
Lock Type: SWEEP - Sweep Latch
Anchor Group: C.HR54.55.1
CAR#: 23-0707.08
NegativeDesignPressure: 70.0000
EnergyStar: 1.0000
UF: 0.2900
VT: 0.4100
CPD: PGT-K-205-02294-00002

NOA Selection: 23-0707.08
Unit Configuration: XO
Size Selection: CUSTOM
Width: 50.0000
Actual Size: 50 X 41
Wood Frame Opening: 50 1/4 X 41 1/4
Frame Color: K/W - Black Exterior/White Interior
Glass Type: 1/8" - 5/16"
Glass Makeup: LIA207AA5
Does unit need to meet Turtle Code: NO
Low E: ENERGY SHIELD MAX
Privacy Glass: NONE - NONE
Grid Color: K/W
Grid Location: UNIT
Grid Summary: RIGHT
Reinf. Upgrade: MIAMIMAXIMP3 - Reinforcement
Screen Frame Type: EXTRUDED
Window Opening Control Device: N
Upgrade Hardware Finish: N
Boxing Options: BS - Box Screen
PositiveDesignPressure: 65.0000
PANumber: FL242
CondensationResistance: 59.0000
SolarHeatGainCoeff: 0.1900
VTCOG: 0.6300

0014
(14.00)

PW5520 PW5520 VINYL PICTURE WINDOW
50.X14.,5/8" FL,K/W,7/8 LIG,CL,ARG,ES Max,OUTSIDE GLZ,13/16"
GBG,3V0H

Ordered:
1.00



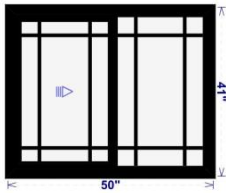
Certification Type: MIAMI
Frame Type: .625FLANGE
Size Ref: ACTUAL
Height: 14.0000
Rough Masonry Opening: 51 3/4 X 15
Frame Color: K/W - Black Exterior/White Interior
Interlayer Type: PVB090
Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN
Glass Color: CL - CLEAR
Argon Gas: ARGON
Grid Type: GBGF0813 - 13/16" Flat Grid Between
Grid Style: U.COL.BARS
Boxing Options: N - None
PositiveDesignPressure: 50.0000
PANumber: FL243
CondensationResistance: 61.0000
SolarHeatGainCoeff: 0.2100
VTCOG: 0.6300

NOA Selection: 23-0816.06
Size Selection: CUSTOM
Width: 50.0000
Actual Size: 50 X 14
Wood Frame Opening: 50 1/4 X 14 1/4
Glass Family: LI - Laminated Insulating
Glass Makeup: LIA207AA5
Does unit need to meet Turtle Code: NO
Low E: ENERGY SHIELD MAX
Privacy Glass: NONE - NONE
Grid Color: K/W
Grid Pattern: - 4A1D LITES (3V0H BARS)
CAR#: 23-0816.06
NegativeDesignPressure: 50.0000
EnergyStar: 123.0000
UF: 0.2400
VT: 0.4700
CPD: PGT-K-206-02896-00002

0015
(15.00)

HR5510 VINYL HORIZONTAL ROLLER 5510
50.X41.,5/8" FL,K/W,7/8 LIG,CL,ARG,ES Max,13/16"
GBG,9LP,XO,EQUAL,BVK-BOXED,SWEEP

Ordered:
1.00



Certification Type: MIAMI
Frame Type: .625FLANGE
Vent Configuration: EQUAL
Size Ref: ACTUAL
Height: 41.0000
Rough Masonry Opening: 51 3/4 X 42
Egress Opening: 20 1/16 X 36 1/16 SQFT 5.0154
Glass Family: LI - Laminated Insulating
Interlayer Type: PVB090
Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN
Glass Color: CL - CLEAR
Argon Gas: ARGON
Grid Type: GBGF0813 - 13/16" Flat Grid Between
Grid Style: 9LP
Grid Summary: LEFT
Brittany Square Size: 4.0000
Screen Type: BVK - BetterVue Charcoal
Vent Latch: N
Lock Type: SWEEP - Sweep Latch
Anchor Group: C.HR54.55.1
CAR#: 23-0707.08
NegativeDesignPressure: 70.0000
EnergyStar: 1.0000
UF: 0.2900
VT: 0.4100
CPD: PGT-K-205-02294-00002

NOA Selection: 23-0707.08
Unit Configuration: XO
Size Selection: CUSTOM
Width: 50.0000
Actual Size: 50 X 41
Wood Frame Opening: 50 1/4 X 41 1/4
Frame Color: K/W - Black Exterior/White Interior
Glass Type: 1/8" - 5/16"
Glass Makeup: LIA207AA5
Does unit need to meet Turtle Code: NO
Low E: ENERGY SHIELD MAX
Privacy Glass: NONE - NONE
Grid Color: K/W
Grid Location: UNIT
Grid Summary: RIGHT
Reinf. Upgrade: MIAMIMAXIMP3 - Reinforcement
Screen Frame Type: EXTRUDED
Window Opening Control Device: N
Upgrade Hardware Finish: N
Boxing Options: BS - Box Screen
PositiveDesignPressure: 65.0000
PANumber: FL242
CondensationResistance: 59.0000
SolarHeatGainCoeff: 0.1900
VTCOG: 0.6300

0016
(16.00)

SH5500 VINYL SINGLE HUNG 5500
30.X64.X.,STD,5/8" FL,K/W,EQUAL,7/8 LIG,CL,ARG,ES Max,13/16"
GBG,NONE,DBL,SWEEP,BVK-BOXED,CMFRT LFT HNDL

Ordered:
1.00



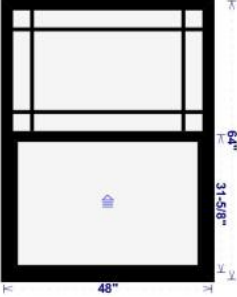
Certification Type: MIAMI
Frame Type: .625FLANGE
Window Style: STD
Size Ref: ACTUAL
Height: 64.0000
Rough Masonry: 31 3/4 X 65
Egress Opening: 25 3/4 X 27 3/8 (4.8898 SQFT)
Balance Type: CONSTANT
Interlayer Type: PVB090
Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN
Glass Color: CL - CLEAR
Argon Gas: ARGON
Grid Type: GBGF0813 - 13/16" Flat Grid Between
Grid Location: UNIT
Grid Pattern Bottom: NONE
Reinf. Upgrade: MIAMIMAXIMP1 - Reinforcement
Screen Frame Type: EXTRUDED
WOCD: N
Upgrade Hardware Finish: N
Lift Rail: N
Anchor Group: C.HU54.55.1
Vent Ht: 31.6430
PositiveDesignPressure: 65.0000
PANumber: FL239
CondensationResistance: 59.0000
SolarHeatGainCoeff: 0.1900
VTCOG: 0.6300

NOA Selection: 23-0707.12
Vent Configuration: EQUAL
Size Selection: CUSTOM
Width: 30.0000
Actual Size: 30 X 64
Wood Frame Opening: 30 1/4 X 64 1/4
Frame Color: K/W - Black Exterior/White Interior
Glass Family: LI - Laminated Insulating
Glass Makeup: LIA207AA5
Does unit need to meet Turtle Code: NO
Low E: ENERGY SHIELD MAX
Privacy Glass: NONE - NONE
Grid Style: CUSTOMLP
Grid Pattern Top: 9LP
Brittany Square Size: 4.0000
Screen Type: BVK - BetterVue Charcoal
Vent Latch: N
Lock Type: SWEEP - Sweep Latch
Comfort Lift: Y
Lock Quantity: 2.0000
Boxing Options: BS - Box Screen
CAR#: 23-0707.12
NegativeDesignPressure: 70.0000
EnergyStar: 1.0000
UF: 0.3100
VT: 0.4300
CPD: PGT-K-208-02138-00134

0017
(17.00)

SH5500 VINYL SINGLE HUNG 5500
48.X64.X.,STD,5/8" FL,K/W,EQUAL,7/8 LIG,CL,ARG,ES Max,13/16"
GBG,NONE,DBL,SWEEP,BVK-BOXED,CMFRT LFT HNDL

Ordered:
1.00

	Certification Type: MIAMI Frame Type: .625FLANGE Window Style: STD Size Ref: ACTUAL Height: 64.0000 Rough Masonry: 49 3/4 X 65 Egress Opening: 43 3/4 X 27 3/8 (8.3079 SQFT) Balance Type: CONSTANT Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: GBGF0813 - 13/16" Flat Grid Between Grid Location: UNIT Grid Pattern Bottom: NONE Reinf. Upgrade: MIAMIMAXIMP1 - Reinforcement Screen Frame Type: EXTRUDED WOCD: N Upgrade Hardware Finish: N Lift Rail: N Anchor Group: C.HU54.55.1 Vent Ht: 31.6430 PositiveDesignPressure: 65.0000 PANumber: FL239 CondensationResistance: 59.0000 SolarHeatGainCoeff: 0.1900 VTCOG: 0.6300	NOA Selection: 23-0707.12 Vent Configuration: EQUAL Size Selection: CUSTOM Width: 48.0000 Actual Size: 48 X 64 Wood Frame Opening: 48 1/4 X 64 1/4 Frame Color: K/W - Black Exterior/White Interior Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Grid Style: CUSTOMLP Grid Pattern Top: 9LP Brittany Square Size: 4.0000 Screen Type: BVK - BetterVue Charcoal Vent Latch: N Lock Type: SWEEP - Sweep Latch Comfort Lift: Y Lock Quantity: 2.0000 Boxing Options: BS - Box Screen CAR#: 23-0707.12 NegativeDesignPressure: 70.0000 EnergyStar: 1.0000 UF: 0.3100 VT: 0.4300 CPD: PGT-K-208-02138-00134
0018 (18.00)	SH5500 VINYL SINGLE HUNG 5500 30.X64.X.,STD,5/8" FL,K/W,EQUAL,7/8 LIG,CL,ARG,ES Max,13/16" GBG,NONE,DBL,SWEEP,BVK-BOXED,CMFRT LFT HNDL	Ordered: 1.00
	Certification Type: MIAMI Frame Type: .625FLANGE Window Style: STD Size Ref: ACTUAL Height: 64.0000 Rough Masonry: 31 3/4 X 65 Egress Opening: 25 3/4 X 27 3/8 (4.8898 SQFT) Balance Type: CONSTANT Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: GBGF0813 - 13/16" Flat Grid Between Grid Location: UNIT Grid Pattern Bottom: NONE Reinf. Upgrade: MIAMIMAXIMP1 - Reinforcement Screen Frame Type: EXTRUDED WOCD: N Upgrade Hardware Finish: N Lift Rail: N Anchor Group: C.HU54.55.1 Vent Ht: 31.6430 PositiveDesignPressure: 65.0000 PANumber: FL239 CondensationResistance: 59.0000 SolarHeatGainCoeff: 0.1900 VTCOG: 0.6300	NOA Selection: 23-0707.12 Vent Configuration: EQUAL Size Selection: CUSTOM Width: 30.0000 Actual Size: 30 X 64 Wood Frame Opening: 30 1/4 X 64 1/4 Frame Color: K/W - Black Exterior/White Interior Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Grid Style: CUSTOMLP Grid Pattern Top: 9LP Brittany Square Size: 4.0000 Screen Type: BVK - BetterVue Charcoal Vent Latch: N Lock Type: SWEEP - Sweep Latch Comfort Lift: Y Lock Quantity: 2.0000 Boxing Options: BS - Box Screen CAR#: 23-0707.12 NegativeDesignPressure: 70.0000 EnergyStar: 1.0000 UF: 0.3100 VT: 0.4300 CPD: PGT-K-208-02138-00134
0019 (19.00)	SH5500 VINYL SINGLE HUNG 5500 36.X64.X.,STD,5/8" FL,K/W,EQUAL,7/8 LIG,CL,ARG,ES Max,13/16" GBG,NONE,DBL,SWEEP,BVK-BOXED,CMFRT LFT HNDL	Ordered: 1.00

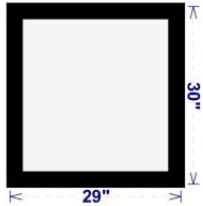


Certification Type: MIAMI
 Frame Type: .625FLANGE
 Window Style: STD
 Size Ref: ACTUAL
 Height: 64.0000
 Rough Masonry: 37 3/4 X 65
 Egress Opening: 31 3/4 X 27 3/8 (6.0291 SQFT)
 Balance Type: CONSTANT
 Interlayer Type: PVB090
 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN
 Glass Color: CL - CLEAR
 Argon Gas: ARGON
 Grid Type: GBGF0813 - 13/16" Flat Grid Between
 Grid Location: UNIT
 Grid Pattern Bottom: NONE
 Reinf. Upgrade: MIAMIMAXIMP1 - Reinforcement
 Screen Frame Type: EXTRUDED
 WOCD: N
 Upgrade Hardware Finish: N
 Lift Rail: N
 Anchor Group: C.HU54.55.1
 Vent Ht: 31.6430
 PositiveDesignPressure: 65.0000
 PANumber: FL239
 CondensationResistance: 59.0000
 SolarHeatGainCoeff: 0.1900
 VTCOG: 0.6300

NOA Selection: 23-0707.12
 Vent Configuration: EQUAL
 Size Selection: CUSTOM
 Width: 36.0000
 Actual Size: 36 X 64
 Wood Frame Opening: 36 1/4 X 64 1/4
 Frame Color: K/W - Black Exterior/White Interior
 Glass Family: LI - Laminated Insulating
 Glass Makeup: LIA207AA5
 Does unit need to meet Turtle Code: NO
 Low E: ENERGY SHIELD MAX
 Privacy Glass: NONE - NONE
 Grid Style: CUSTOMLP
 Grid Pattern Top: 9LP
 Brittany Square Size: 4.0000
 Screen Type: BVK - BetterVue Charcoal
 Vent Latch: N
 Lock Type: SWEEP - Sweep Latch
 Comfort Lift: Y
 Lock Quantity: 2.0000
 Boxing Options: BS - Box Screen
 CAR#: 23-0707.12
 NegativeDesignPressure: 70.0000
 EnergyStar: 1.0000
 UF: 0.3100
 VT: 0.4300
 CPD: PGT-K-208-02138-00134

0020
(20.00) **PW5520** PW5520 VINYL PICTURE WINDOW
 29.X30.,5/8" FL,K/W,7/8 LIG,CL,ARG,ES Max,OUTSIDE GLZ,NO
 GRID

Ordered:
 1.00

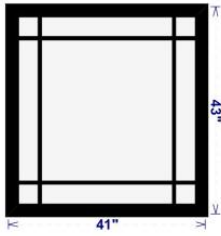


Certification Type: MIAMI
 Frame Type: .625FLANGE
 Size Ref: ACTUAL
 Height: 30.0000
 Rough Masonry Opening: 30 3/4 X 31
 Frame Color: K/W - Black Exterior/White Interior
 Interlayer Type: PVB090
 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN
 Glass Color: CL - CLEAR
 Argon Gas: ARGON
 Grid Type: NONE - NO Grid
 CAR#: 23-0816.06
 NegativeDesignPressure: 50.0000
 EnergyStar: 123.0000
 UF: 0.2400
 VT: 0.5300
 CPD: PGT-K-206-02896-00001

NOA Selection: 23-0816.06
 Size Selection: CUSTOM
 Width: 29.0000
 Actual Size: 29 X 30
 Wood Frame Opening: 29 1/4 X 30 1/4
 Glass Family: LI - Laminated Insulating
 Glass Makeup: LIA207AA5
 Does unit need to meet Turtle Code: NO
 Low E: ENERGY SHIELD MAX
 Privacy Glass: NONE - NONE
 Boxing Options: N - None
 PositiveDesignPressure: 50.0000
 PANumber: FL243
 CondensationResistance: 61.0000
 SolarHeatGainCoeff: 0.2300
 VTCOG: 0.6300

0021
(21.00) **PW5520** PW5520 VINYL PICTURE WINDOW
 41.X43.,5/8" FL,K/W,7/8 LIG,CL,ARG,ES Max,OUTSIDE GLZ,13/16"
 GBG,9LP

Ordered:
 1.00



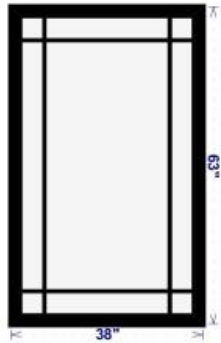
Certification Type: MIAMI
Frame Type: .625FLANGE
Size Ref: ACTUAL
Height: 43.0000
Rough Masonry Opening: 42 3/4 X 44
Frame Color: K/W - Black Exterior/White Interior
Interlayer Type: PVB090
Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN
Glass Color: CL - CLEAR
Argon Gas: ARGON
Grid Type: GBGF0813 - 13/16" Flat Grid Between
Grid Style: 9LP
Boxing Options: N - None
PositiveDesignPressure: 50.0000
PANumber: FL243
CondensationResistance: 61.0000
SolarHeatGainCoeff: 0.2100
VTCOG: 0.6300

NOA Selection: 23-0816.06
Size Selection: CUSTOM
Width: 41.0000
Actual Size: 41 X 43
Wood Frame Opening: 41 1/4 X 43 1/4
Glass Family: LI - Laminated Insulating
Glass Makeup: LIA207AA5
Does unit need to meet Turtle Code: NO
Low E: ENERGY SHIELD MAX
Privacy Glass: NONE - NONE
Grid Color: K/W
Brittany Square Size: 4.0000
CAR#: 23-0816.06
NegativeDesignPressure: 50.0000
EnergyStar: 123.0000
UF: 0.2400
VT: 0.4700
CPD: PGT-K-206-02896-00002

0022
(22.00)

PW5520 PW5520 VINYL PICTURE WINDOW
38.X63.,5/8" FL,K/W,7/8 LIG,CL,ARG,ES Max,OUTSIDE GLZ,13/16"
GBG,9LP

Ordered:
1.00



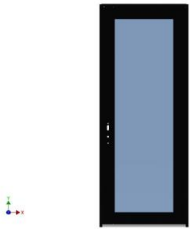
Certification Type: MIAMI
Frame Type: .625FLANGE
Size Ref: ACTUAL
Height: 63.0000
Rough Masonry Opening: 39 3/4 X 64
Frame Color: K/W - Black Exterior/White Interior
Interlayer Type: PVB090
Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN
Glass Color: CL - CLEAR
Argon Gas: ARGON
Grid Type: GBGF0813 - 13/16" Flat Grid Between
Grid Style: 9LP
Boxing Options: N - None
PositiveDesignPressure: 50.0000
PANumber: FL243
CondensationResistance: 61.0000
SolarHeatGainCoeff: 0.2100
VTCOG: 0.6300

NOA Selection: 23-0816.06
Size Selection: CUSTOM
Width: 38.0000
Actual Size: 38 X 63
Wood Frame Opening: 38 1/4 X 63 1/4
Glass Family: LI - Laminated Insulating
Glass Makeup: LIA207AA5
Does unit need to meet Turtle Code: NO
Low E: ENERGY SHIELD MAX
Privacy Glass: NONE - NONE
Grid Color: K/W
Brittany Square Size: 4.0000
CAR#: 23-0816.06
NegativeDesignPressure: 50.0000
EnergyStar: 123.0000
UF: 0.2400
VT: 0.4700
CPD: PGT-K-206-02896-00002

0023
(23.00)

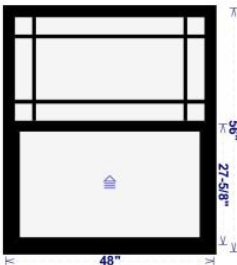
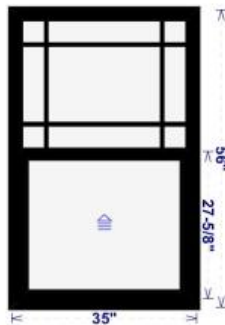
FD5555 FRENCH DOOR SERIES 5555
36.X90.,K/W,CL,L7,1-3/16 TLIG,ARGON,NO
GRID,OUTSWING,1.375EXTERIOR,X,HNG RT,N,LIT211AA5

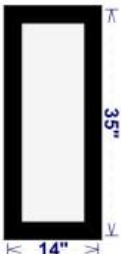
Ordered:
1.00

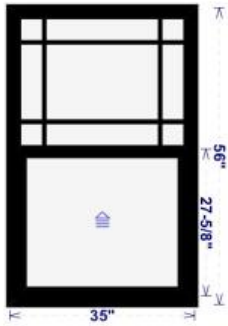


Certification Type: MIAMI
Assembly Type: X
Door Width: 36.0000
Actual Size: 36 X 90
Opening Size: 36 1/4 X 90 1/4
Door Swing: OUTSWING
Hinge Side: RIGHT
Door Glass: 1 3/16" IG (1/8TMP-11/16 ARG-5/16
Glass Color: CL - CLEAR
Low E: ENERGY SHIELD MAX
Privacy Glass: NONE - NONE
Hardware Color: ORBPVD - Oil Rubbed Bronze PVD
Keyed Hardware Alike: N
Anchor Group: C.FD54.55.1
Boxing Options: N - None
CAR#: 23-0717.01
NegativeDesignPressure: 50.0000
EnergyStar: NONE
UF: 0.3000
VT: 0.3600
CPD: PGT-K-198-01061-00004

NOA Selection: 23-0717.01
Size Selection: CUSTOM
Door Height: 90.0000
Assembly Sz: 36 x 90
Frame Color: K/W - Black Exterior/White Interior
Threshold Type: 1.375EXTERIOR
Glass Family: LI - Laminated Insulating
Does unit need to meet Turtle Code: NO
Door Glass Color: CLEAR
Argon Gas: ARGON
Grid Type: NONE - NO Grid
Hardware Style: 800LVR
Hinge Color: ORB - Oil Rubbed Bronze
5/8 Add-on Flange: N
KD: N
PositiveDesignPressure: 50.0000
PANumber: FL-253
CondensationResistance: 60.0000
SolarHeatGainCoeff: 0.1600
VTCOG: 0.6200

0024 (24.00)	SH5500 VINYL SINGLE HUNG 5500 48.X56.X.,STD,5/8" FL,K/W,EQUAL,7/8 LIG,CL,ARG,ES Max,13/16" GBG,NONE,DBL,SWEEP,BVK-BOXED,CMFRT LFT HNDL	Ordered: 1.00	
		Certification Type: MIAMI Frame Type: .625FLANGE Window Style: STD Size Ref: ACTUAL Height: 56.0000 Rough Masonry: 49 3/4 X 57 Egress Opening: 43 3/4 X 23 3/8 (7.0926 SQFT) Balance Type: CONSTANT Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: GBGF0813 - 13/16" Flat Grid Between Grid Location: UNIT Grid Pattern Bottom: NONE Reinf. Upgrade: MIAMIMAXIMP1 - Reinforcement Screen Frame Type: EXTRUDED WOCD: N Upgrade Hardware Finish: N Lift Rail: N Anchor Group: C.HU54.55.1 Vent Ht: 27.6430 PositiveDesignPressure: 65.0000 PANumber: FL239 CondensationResistance: 59.0000 SolarHeatGainCoeff: 0.1900 VTCOG: 0.6300	NOA Selection: 23-0707.12 Vent Configuration: EQUAL Size Selection: CUSTOM Width: 48.0000 Actual Size: 48 X 56 Wood Frame Opening: 48 1/4 X 56 1/4 Frame Color: K/W - Black Exterior/White Interior Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Grid Style: CUSTOMLP Grid Pattern Top: 9LP Brittany Square Size: 4.0000 Screen Type: BVK - BetterVue Charcoal Vent Latch: N Lock Type: SWEEP - Sweep Latch Comfort Lift: Y Lock Quantity: 2.0000 Boxing Options: BS - Box Screen CAR#: 23-0707.12 NegativeDesignPressure: 70.0000 EnergyStar: 1.0000 UF: 0.3100 VT: 0.4300 CPD: PGT-K-208-02138-00134
0025 (25.00)	SH5500 VINYL SINGLE HUNG 5500 35.X56.X.,STD,5/8" FL,K/W,EQUAL,7/8 LIG,CL,ARG,ES Max,13/16" GBG,NONE,DBL,SWEEP,BVK-BOXED,CMFRT LFT HNDL	Ordered: 1.00	
		Certification Type: MIAMI Frame Type: .625FLANGE Window Style: STD Size Ref: ACTUAL Height: 56.0000 Rough Masonry: 36 3/4 X 57 Egress Opening: 30 3/4 X 23 3/8 (4.9851 SQFT) Balance Type: CONSTANT Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: GBGF0813 - 13/16" Flat Grid Between Grid Location: UNIT Grid Pattern Bottom: NONE Reinf. Upgrade: MIAMIMAXIMP1 - Reinforcement Screen Frame Type: EXTRUDED WOCD: N Upgrade Hardware Finish: N Lift Rail: N Anchor Group: C.HU54.55.1 Vent Ht: 27.6430 PositiveDesignPressure: 65.0000 PANumber: FL239 CondensationResistance: 59.0000 SolarHeatGainCoeff: 0.1900 VTCOG: 0.6300	NOA Selection: 23-0707.12 Vent Configuration: EQUAL Size Selection: CUSTOM Width: 35.0000 Actual Size: 35 X 56 Wood Frame Opening: 35 1/4 X 56 1/4 Frame Color: K/W - Black Exterior/White Interior Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Grid Style: CUSTOMLP Grid Pattern Top: 9LP Brittany Square Size: 4.0000 Screen Type: BVK - BetterVue Charcoal Vent Latch: N Lock Type: SWEEP - Sweep Latch Comfort Lift: Y Lock Quantity: 2.0000 Boxing Options: BS - Box Screen CAR#: 23-0707.12 NegativeDesignPressure: 70.0000 EnergyStar: 1.0000 UF: 0.3100 VT: 0.4300 CPD: PGT-K-208-02138-00134
0026 (26.00)	PW5520 PW5520 VINYL PICTURE WINDOW 14.X35.,5/8" FL,K/W,7/8 LIG,CL,ARG,ES Max,OUTSIDE GLZ,NO GRID	Ordered: 1.00	

	Certification Type: MIAMI Frame Type: .625FLANGE Size Ref: ACTUAL Height: 35.0000 Rough Masonry Opening: 15 3/4 X 36 Frame Color: K/W - Black Exterior/White Interior Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: NONE - NO Grid Boxing Options: N - None PositiveDesignPressure: 50.0000 PANumber: FL243 CondensationResistance: 61.0000 SolarHeatGainCoeff: 0.2300 VTCOG: 0.6300	NOA Selection: 23-0816.06 Size Selection: CUSTOM Width: 14.0000 Actual Size: 14 X 35 Wood Frame Opening: 14 1/4 X 35 1/4 Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Brittany Square Size: 4.0000 CAR#: 23-0816.06 NegativeDesignPressure: 50.0000 EnergyStar: 123.0000 UF: 0.2400 VT: 0.5300 CPD: PGT-K-206-02896-00001
0027 (27.00)	PW5520 PW5520 VINYL PICTURE WINDOW 14.X35.,5/8" FL,K/W,7/8 LIG,CL,ARG,ES Max,OUTSIDE GLZ,NO GRID	Ordered: 1.00
	Certification Type: MIAMI Frame Type: .625FLANGE Size Ref: ACTUAL Height: 35.0000 Rough Masonry Opening: 15 3/4 X 36 Frame Color: K/W - Black Exterior/White Interior Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: NONE - NO Grid Boxing Options: N - None PositiveDesignPressure: 50.0000 PANumber: FL243 CondensationResistance: 61.0000 SolarHeatGainCoeff: 0.2300 VTCOG: 0.6300	NOA Selection: 23-0816.06 Size Selection: CUSTOM Width: 14.0000 Actual Size: 14 X 35 Wood Frame Opening: 14 1/4 X 35 1/4 Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Brittany Square Size: 4.0000 CAR#: 23-0816.06 NegativeDesignPressure: 50.0000 EnergyStar: 123.0000 UF: 0.2400 VT: 0.5300 CPD: PGT-K-206-02896-00001
0028 (28.00)	SH5500 VINYL SINGLE HUNG 5500 35.X56.X.,STD,5/8" FL,K/W,EQUAL,7/8 LIG,CL,ARG,ES Max,13/16" GBG,NONE,DBL,SWEEP,BVK-BOXED,CMFRT LFT HNDL	Ordered: 1.00



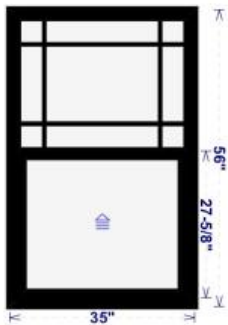
Certification Type: MIAMI
Frame Type: .625FLANGE
Window Style: STD
Size Ref: ACTUAL
Height: 56.0000
Rough Masonry: 36 3/4 X 57
Egress Opening: 30 3/4 X 23 3/8 (4.9851 SQFT)
Balance Type: CONSTANT
Interlayer Type: PVB090
Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN
Glass Color: CL - CLEAR
Argon Gas: ARGON
Grid Type: GBGF0813 - 13/16" Flat Grid Between
Grid Location: UNIT
Grid Pattern Bottom: NONE
Reinf. Upgrade: MIAMIMAXIMP1 - Reinforcement
Screen Frame Type: EXTRUDED
WOCD: N
Upgrade Hardware Finish: N
Lift Rail: N
Anchor Group: C.HU54.55.1
Vent Ht: 27.6430
PositiveDesignPressure: 65.0000
PANumber: FL239
CondensationResistance: 59.0000
SolarHeatGainCoeff: 0.1900
VTCOG: 0.6300

NOA Selection: 23-0707.12
Vent Configuration: EQUAL
Size Selection: CUSTOM
Width: 35.0000
Actual Size: 35 X 56
Wood Frame Opening: 35 1/4 X 56 1/4
Frame Color: K/W - Black Exterior/White Interior
Glass Family: LI - Laminated Insulating
Glass Makeup: LIA207AA5
Does unit need to meet Turtle Code: NO
Low E: ENERGY SHIELD MAX
Privacy Glass: NONE - NONE
Grid Style: CUSTOMLP
Grid Pattern Top: 9LP
Brittany Square Size: 4.0000
Screen Type: BVK - BetterVue Charcoal
Vent Latch: N
Lock Type: SWEEP - Sweep Latch
Comfort Lift: Y
Lock Quantity: 2.0000
Boxing Options: BS - Box Screen
CAR#: 23-0707.12
NegativeDesignPressure: 70.0000
EnergyStar: 1.0000
UF: 0.3100
VT: 0.4300
CPD: PGT-K-208-02138-00134

0029
(29.00)

SH5500 VINYL SINGLE HUNG 5500
35.X56.X.,STD,5/8" FL,K/W,EQUAL,7/8 LIG,CL,ARG,ES Max,13/16"
GBG,NONE,DBL,SWEEP,BVK-BOXED,CMFRT LFT HNDL

Ordered:
1.00



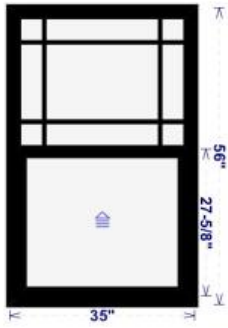
Certification Type: MIAMI
Frame Type: .625FLANGE
Window Style: STD
Size Ref: ACTUAL
Height: 56.0000
Rough Masonry: 36 3/4 X 57
Egress Opening: 30 3/4 X 23 3/8 (4.9851 SQFT)
Balance Type: CONSTANT
Interlayer Type: PVB090
Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN
Glass Color: CL - CLEAR
Argon Gas: ARGON
Grid Type: GBGF0813 - 13/16" Flat Grid Between
Grid Location: UNIT
Grid Pattern Bottom: NONE
Reinf. Upgrade: MIAMIMAXIMP1 - Reinforcement
Screen Frame Type: EXTRUDED
WOCD: N
Upgrade Hardware Finish: N
Lift Rail: N
Anchor Group: C.HU54.55.1
Vent Ht: 27.6430
PositiveDesignPressure: 65.0000
PANumber: FL239
CondensationResistance: 59.0000
SolarHeatGainCoeff: 0.1900
VTCOG: 0.6300

NOA Selection: 23-0707.12
Vent Configuration: EQUAL
Size Selection: CUSTOM
Width: 35.0000
Actual Size: 35 X 56
Wood Frame Opening: 35 1/4 X 56 1/4
Frame Color: K/W - Black Exterior/White Interior
Glass Family: LI - Laminated Insulating
Glass Makeup: LIA207AA5
Does unit need to meet Turtle Code: NO
Low E: ENERGY SHIELD MAX
Privacy Glass: NONE - NONE
Grid Style: CUSTOMLP
Grid Pattern Top: 9LP
Brittany Square Size: 4.0000
Screen Type: BVK - BetterVue Charcoal
Vent Latch: N
Lock Type: SWEEP - Sweep Latch
Comfort Lift: Y
Lock Quantity: 2.0000
Boxing Options: BS - Box Screen
CAR#: 23-0707.12
NegativeDesignPressure: 70.0000
EnergyStar: 1.0000
UF: 0.3100
VT: 0.4300
CPD: PGT-K-208-02138-00134

0030
(30.00)

SH5500 VINYL SINGLE HUNG 5500
35.X56.X.,STD,5/8" FL,K/W,EQUAL,7/8 LIG,CL,ARG,ES Max,13/16"
GBG,NONE,DBL,SWEEP,BVK-BOXED,CMFRT LFT HNDL

Ordered:
1.00

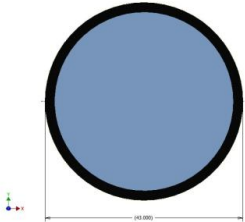


Certification Type: MIAMI
 Frame Type: .625FLANGE
 Window Style: STD
 Size Ref: ACTUAL
 Height: 56.0000
 Rough Masonry: 36 3/4 X 57
 Egress Opening: 30 3/4 X 23 3/8 (4.9851 SQFT)
 Balance Type: CONSTANT
 Interlayer Type: PVB090
 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN
 Glass Color: CL - CLEAR
 Argon Gas: ARGON
 Grid Type: GBGF0813 - 13/16" Flat Grid Between
 Grid Location: UNIT
 Grid Pattern Bottom: NONE
 Reinf. Upgrade: MIAMIMAXIMP1 - Reinforcement
 Screen Frame Type: EXTRUDED
 WOCD: N
 Upgrade Hardware Finish: N
 Lift Rail: N
 Anchor Group: C.HU54.55.1
 Vent Ht: 27.6430
 PositiveDesignPressure: 65.0000
 PANumber: FL239
 CondensationResistance: 59.0000
 SolarHeatGainCoeff: 0.1900
 VTCOG: 0.6300

NOA Selection: 23-0707.12
 Vent Configuration: EQUAL
 Size Selection: CUSTOM
 Width: 35.0000
 Actual Size: 35 X 56
 Wood Frame Opening: 35 1/4 X 56 1/4
 Frame Color: K/W - Black Exterior/White Interior
 Glass Family: LI - Laminated Insulating
 Glass Makeup: LIA207AA5
 Does unit need to meet Turtle Code: NO
 Low E: ENERGY SHIELD MAX
 Privacy Glass: NONE - NONE
 Grid Style: CUSTOMLP
 Grid Pattern Top: 9LP
 Brittany Square Size: 4.0000
 Screen Type: BVK - BetterVue Charcoal
 Vent Latch: N
 Lock Type: SWEEP - Sweep Latch
 Comfort Lift: Y
 Lock Quantity: 2.0000
 Boxing Options: BS - Box Screen
 CAR#: 23-0707.12
 NegativeDesignPressure: 70.0000
 EnergyStar: 1.0000
 UF: 0.3100
 VT: 0.4300
 CPD: PGT-K-208-02138-00134

0031
(31.00) **AR5520** VINYL ARCHITECTURAL 5520
 43.X43.X.X.,5/8" FL,K/W,FC,7/8 LIG,CL,ARG,ES Max,OUTSIDE
 GLZ,NO GRID

Ordered:
 1.00



Certification Type: MIAMI
 Shape: FC
 Size Selection: CUSTOM
 Width: 43.0000
 Rough Masonry Opening: 44 3/4 X 44
 Frame Color: K/W - Black Exterior/White Interior
 Glass Type: 1/8" - 5/16"
 Glass Makeup: LIA207AA5
 Does unit need to meet Turtle Code: NO
 Low E: ENERGY SHIELD MAX
 Privacy Glass: NONE - NONE
 Grid Type: NONE - NO Grid
 Boxing Options: N - None
 PositiveDesignPressure: 50.0000
 PANumber: FL243
 CondensationResistance: 61.0000
 SolarHeatGainCoeff: 0.2300
 VTCOG: 0.6300

NOA Selection: 23-0816.06
 Frame Type: .625FLANGE
 Size Ref: ACTUAL
 Actual Size: 43 X 43
 Wood Frame Opening: 43 1/4 X 43 1/4
 Glass Family: LI - Laminated Insulating
 Interlayer Type: PVB090
 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN
 Glass Color: CL - CLEAR
 Argon Gas: ARGON
 Glass Spacer Type: TB
 Grid Color: K/W
 CAR#: 23-0816.06
 NegativeDesignPressure: 50.0000
 EnergyStar: 123.0000
 UF: 0.2400
 VT: 0.5300
 CPD: PGT-K-206-02896-00001

0032
(32.00) **FD5555** FRENCH DOOR SERIES 5555
 31.5X79.75,2668,K/W,CL,L7,1-3/16 TLIG,ARGON,NO
 GRID,OUTSWING,1.375EXTERIOR,X,HNG RT,N,LIT211AA5

Ordered:
 1.00

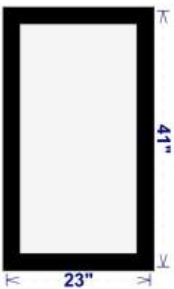
	Certification Type: MIAMI Assembly Type: X Size Code: 2668.0000 Assembly Sz: 31 1/2 x 79 3/4 Frame Color: K/W - Black Exterior/White Interior Threshold Type: 1.375EXTERIOR Glass Family: LI - Laminated Insulating Does unit need to meet Turtle Code: NO Door Glass Color: CLEAR Argon Gas: ARGON Grid Type: NONE - NO Grid Hardware Style: 800LVR Hinge Color: ORB - Oil Rubbed Bronze 5/8 Add-on Flange: N KD: N PositiveDesignPressure: 50.0000 PANumber: FL-253 CondensationResistance: 60.0000 SolarHeatGainCoeff: 0.1600 VTCOG: 0.6200	NOA Selection: 23-0717.01 Size Selection: NOMINAL Actual Size: 31 1/2 X 79 3/4 Opening Size: 31 3/4 X 80 Door Swing: OUTSWING Hinge Side: RIGHT Door Glass: 1 3/16" IG (1/8TMP-11/16 ARG-5/16 Glass Color: CL - CLEAR Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Hardware Color: ORBPVD - Oil Rubbed Bronze PVD Keyed Hardware Alike: N Anchor Group: C.FD54.55.1 Boxing Options: N - None CAR#: 23-0717.01 NegativeDesignPressure: 50.0000 EnergyStar: NONE UF: 0.3000 VT: 0.3600 CPD: PGT-K-198-01061-00004
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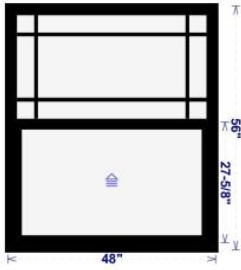
0033 (33.00)	FD5555 FRENCH DOOR SERIES 5555 31.5X79.75,2668,K/W,CL,L7,1-3/16 TLIG,ARGON,NO GRID,OUTSWING,1.375EXTERIOR,X,HNG RT,N,LIT211AA5	Ordered: 1.00	
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	Certification Type: MIAMI Assembly Type: X Size Code: 2668.0000 Assembly Sz: 31 1/2 x 79 3/4 Frame Color: K/W - Black Exterior/White Interior Threshold Type: 1.375EXTERIOR Glass Family: LI - Laminated Insulating Does unit need to meet Turtle Code: NO Door Glass Color: CLEAR Argon Gas: ARGON Grid Type: NONE - NO Grid Hardware Style: 800LVR Hinge Color: ORB - Oil Rubbed Bronze 5/8 Add-on Flange: N KD: N PositiveDesignPressure: 50.0000 PANumber: FL-253 CondensationResistance: 60.0000 SolarHeatGainCoeff: 0.1600 VTCOG: 0.6200	NOA Selection: 23-0717.01 Size Selection: NOMINAL Actual Size: 31 1/2 X 79 3/4 Opening Size: 31 3/4 X 80 Door Swing: OUTSWING Hinge Side: RIGHT Door Glass: 1 3/16" IG (1/8TMP-11/16 ARG-5/16 Glass Color: CL - CLEAR Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Hardware Color: ORBPVD - Oil Rubbed Bronze PVD Keyed Hardware Alike: N Anchor Group: C.FD54.55.1 Boxing Options: N - None CAR#: 23-0717.01 NegativeDesignPressure: 50.0000 EnergyStar: NONE UF: 0.3000 VT: 0.3600 CPD: PGT-K-198-01061-00004
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0034 (34.00)	PW5520 PW5520 VINYL PICTURE WINDOW 23.X41.,5/8" FL,K/W,7/8 LIG,CL,ARG,ES Max,OUTSIDE GLZ,NO GRID	Ordered: 1.00	
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	Certification Type: MIAMI Frame Type: .625FLANGE Size Ref: ACTUAL Height: 41.0000 Rough Masonry Opening: 24 3/4 X 42 Frame Color: K/W - Black Exterior/White Interior Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: NONE - NO Grid CAR#: 23-0816.06 NegativeDesignPressure: 50.0000 EnergyStar: 123.0000 UF: 0.2400 VT: 0.5300 CPD: PGT-K-206-02896-00001	NOA Selection: 23-0816.06 Size Selection: CUSTOM Width: 23.0000 Actual Size: 23 X 41 Wood Frame Opening: 23 1/4 X 41 1/4 Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Boxing Options: N - None PositiveDesignPressure: 50.0000 PANumber: FL243 CondensationResistance: 61.0000 SolarHeatGainCoeff: 0.2300 VTCOG: 0.6300
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0035 (35.00)	PW5520 PW5520 VINYL PICTURE WINDOW 23.X41.,5/8" FL,K/W,7/8 LIG,CL,ARG,ES Max,OUTSIDE GLZ,NO GRID	Ordered: 1.00	
	Certification Type: MIAMI Frame Type: .625FLANGE Size Ref: ACTUAL Height: 41.0000 Rough Masonry Opening: 24 3/4 X 42 Frame Color: K/W - Black Exterior/White Interior Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: NONE - NO Grid CAR#: 23-0816.06 NegativeDesignPressure: 50.0000 EnergyStar: 123.0000 UF: 0.2400 VT: 0.5300 CPD: PGT-K-206-02896-00001	NOA Selection: 23-0816.06 Size Selection: CUSTOM Width: 23.0000 Actual Size: 23 X 41 Wood Frame Opening: 23 1/4 X 41 1/4 Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Boxing Options: N - None PositiveDesignPressure: 50.0000 PANumber: FL243 CondensationResistance: 61.0000 SolarHeatGainCoeff: 0.2300 VTCOG: 0.6300	
0036 (36.00)	SH5500 VINYL SINGLE HUNG 5500 29.X56.X.,STD,5/8" FL,K/W,EQUAL,7/8 LIG,CL,ARG,ES Max,13/16" GBG,NONE,DBL,SWEEP,BVK-BOXED,CMFRT LFT HNDL	Ordered: 1.00	
	Certification Type: MIAMI Frame Type: .625FLANGE Window Style: STD Size Ref: ACTUAL Height: 56.0000 Rough Masonry: 30 3/4 X 57 Egress Opening: 24 3/4 X 23 3/8 (4.0124 SQFT) Balance Type: CONSTANT Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: GBGF0813 - 13/16" Flat Grid Between Grid Location: UNIT Grid Pattern Bottom: NONE Reinf. Upgrade: MIAMIMAXIMP1 - Reinforcement Screen Frame Type: EXTRUDED WOCD: N Upgrade Hardware Finish: N Lift Rail: N Anchor Group: C.HU54.55.1 Vent Ht: 27.6430 PositiveDesignPressure: 65.0000 PANumber: FL239 CondensationResistance: 59.0000 SolarHeatGainCoeff: 0.1900 VTCOG: 0.6300	NOA Selection: 23-0707.12 Vent Configuration: EQUAL Size Selection: CUSTOM Width: 29.0000 Actual Size: 29 X 56 Wood Frame Opening: 29 1/4 X 56 1/4 Frame Color: K/W - Black Exterior/White Interior Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Grid Style: CUSTOMLP Grid Pattern Top: 9LP Brittany Square Size: 4.0000 Screen Type: BVK - BetterVue Charcoal Vent Latch: N Lock Type: SWEEP - Sweep Latch Comfort Lift: Y Lock Quantity: 2.0000 Boxing Options: BS - Box Screen CAR#: 23-0707.12 NegativeDesignPressure: 70.0000 EnergyStar: 1.0000 UF: 0.3100 VT: 0.4300 CPD: PGT-K-208-02138-00134	
0037 (37.00)	SH5500 VINYL SINGLE HUNG 5500 48.X56.X.,STD,5/8" FL,K/W,EQUAL,7/8 LIG,CL,ARG,ES Max,13/16" GBG,NONE,DBL,SWEEP,BVK-BOXED,CMFRT LFT HNDL	Ordered: 1.00	



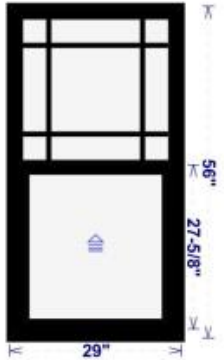
Certification Type: MIAMI
Frame Type: .625FLANGE
Window Style: STD
Size Ref: ACTUAL
Height: 56.0000
Rough Masonry: 49 3/4 X 57
Egress Opening: 43 3/4 X 23 3/8 (7.0926 SQFT)
Balance Type: CONSTANT
Interlayer Type: PVB090
Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN
Glass Color: CL - CLEAR
Argon Gas: ARGON
Grid Type: GBGF0813 - 13/16" Flat Grid Between
Grid Location: UNIT
Grid Pattern Bottom: NONE
Reinf. Upgrade: MIAMIMAXIMP1 - Reinforcement
Screen Frame Type: EXTRUDED
WOCD: N
Upgrade Hardware Finish: N
Lift Rail: N
Anchor Group: C.HU54.55.1
Vent Ht: 27.6430
PositiveDesignPressure: 65.0000
PANumber: FL239
CondensationResistance: 59.0000
SolarHeatGainCoeff: 0.1900
VTCOG: 0.6300

NOA Selection: 23-0707.12
Vent Configuration: EQUAL
Size Selection: CUSTOM
Width: 48.0000
Actual Size: 48 X 56
Wood Frame Opening: 48 1/4 X 56 1/4
Frame Color: K/W - Black Exterior/White Interior
Glass Family: LI - Laminated Insulating
Glass Makeup: LIA207AA5
Does unit need to meet Turtle Code: NO
Low E: ENERGY SHIELD MAX
Privacy Glass: NONE - NONE
Grid Style: CUSTOMLP
Grid Pattern Top: 9LP
Brittany Square Size: 4.0000
Screen Type: BVK - BetterVue Charcoal
Vent Latch: N
Lock Type: SWEEP - Sweep Latch
Comfort Lift: Y
Lock Quantity: 2.0000
Boxing Options: BS - Box Screen
CAR#: 23-0707.12
NegativeDesignPressure: 70.0000
EnergyStar: 1.0000
UF: 0.3100
VT: 0.4300
CPD: PGT-K-208-02138-00134

0038
(38.00)

SH5500 VINYL SINGLE HUNG 5500
29.X56.X.,STD,5/8" FL,K/W,EQUAL,7/8 LIG,CL,ARG,ES Max,13/16"
GBG,NONE,DBL,SWEEP,BVK-BOXED,CMFRT LFT HNDL

Ordered:
1.00



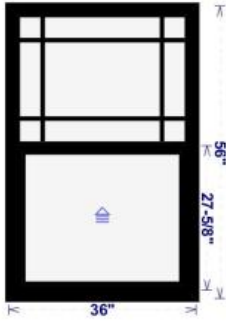
Certification Type: MIAMI
Frame Type: .625FLANGE
Window Style: STD
Size Ref: ACTUAL
Height: 56.0000
Rough Masonry: 30 3/4 X 57
Egress Opening: 24 3/4 X 23 3/8 (4.0124 SQFT)
Balance Type: CONSTANT
Interlayer Type: PVB090
Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN
Glass Color: CL - CLEAR
Argon Gas: ARGON
Grid Type: GBGF0813 - 13/16" Flat Grid Between
Grid Location: UNIT
Grid Pattern Bottom: NONE
Reinf. Upgrade: MIAMIMAXIMP1 - Reinforcement
Screen Frame Type: EXTRUDED
WOCD: N
Upgrade Hardware Finish: N
Lift Rail: N
Anchor Group: C.HU54.55.1
Vent Ht: 27.6430
PositiveDesignPressure: 65.0000
PANumber: FL239
CondensationResistance: 59.0000
SolarHeatGainCoeff: 0.1900
VTCOG: 0.6300

NOA Selection: 23-0707.12
Vent Configuration: EQUAL
Size Selection: CUSTOM
Width: 29.0000
Actual Size: 29 X 56
Wood Frame Opening: 29 1/4 X 56 1/4
Frame Color: K/W - Black Exterior/White Interior
Glass Family: LI - Laminated Insulating
Glass Makeup: LIA207AA5
Does unit need to meet Turtle Code: NO
Low E: ENERGY SHIELD MAX
Privacy Glass: NONE - NONE
Grid Style: CUSTOMLP
Grid Pattern Top: 9LP
Brittany Square Size: 4.0000
Screen Type: BVK - BetterVue Charcoal
Vent Latch: N
Lock Type: SWEEP - Sweep Latch
Comfort Lift: Y
Lock Quantity: 2.0000
Boxing Options: BS - Box Screen
CAR#: 23-0707.12
NegativeDesignPressure: 70.0000
EnergyStar: 1.0000
UF: 0.3100
VT: 0.4300
CPD: PGT-K-208-02138-00134

0039
(39.00)

SH5500 VINYL SINGLE HUNG 5500
36.X56.X.,STD,5/8" FL,K/W,EQUAL,7/8 LIG,CL,ARG,ES Max,13/16"
GBG,NONE,DBL,SWEEP,BVK-BOXED,CMFRT LFT HNDL

Ordered:
1.00

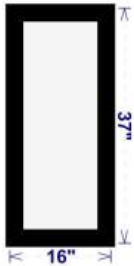


Certification Type: MIAMI
 Frame Type: .625FLANGE
 Window Style: STD
 Size Ref: ACTUAL
 Height: 56.0000
 Rough Masonry: 37 3/4 X 57
 Egress Opening: 31 3/4 X 23 3/8 (5.1472 SQFT)
 Balance Type: CONSTANT
 Interlayer Type: PVB090
 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN
 Glass Color: CL - CLEAR
 Argon Gas: ARGON
 Grid Type: GBGF0813 - 13/16" Flat Grid Between
 Grid Location: UNIT
 Grid Pattern Bottom: NONE
 Reinf. Upgrade: MIAMIMAXIMP1 - Reinforcement
 Screen Frame Type: EXTRUDED
 WOCD: N
 Upgrade Hardware Finish: N
 Lift Rail: N
 Anchor Group: C.HU54.55.1
 Vent Ht: 27.6430
 PositiveDesignPressure: 65.0000
 PANumber: FL239
 CondensationResistance: 59.0000
 SolarHeatGainCoeff: 0.1900
 VTCOG: 0.6300

NOA Selection: 23-0707.12
 Vent Configuration: EQUAL
 Size Selection: CUSTOM
 Width: 36.0000
 Actual Size: 36 X 56
 Wood Frame Opening: 36 1/4 X 56 1/4
 Frame Color: K/W - Black Exterior/White Interior
 Glass Family: LI - Laminated Insulating
 Glass Makeup: LIA207AA5
 Does unit need to meet Turtle Code: NO
 Low E: ENERGY SHIELD MAX
 Privacy Glass: NONE - NONE
 Grid Style: CUSTOMLP
 Grid Pattern Top: 9LP
 Brittany Square Size: 4.0000
 Screen Type: BVK - BetterVue Charcoal
 Vent Latch: N
 Lock Type: SWEEP - Sweep Latch
 Comfort Lift: Y
 Lock Quantity: 2.0000
 Boxing Options: BS - Box Screen
 CAR#: 23-0707.12
 NegativeDesignPressure: 70.0000
 EnergyStar: 1.0000
 UF: 0.3100
 VT: 0.4300
 CPD: PGT-K-208-02138-00134

0040
(40.00) **PW5520** PW5520 VINYL PICTURE WINDOW
 16.X37.,5/8" FL,K/W,7/8 LIG,CL,ARG,ES Max,OUTSIDE GLZ,NO
 GRID

Ordered:
 1.00

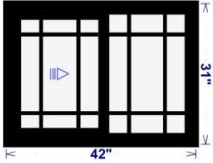


Certification Type: MIAMI
 Frame Type: .625FLANGE
 Size Ref: ACTUAL
 Height: 37.0000
 Rough Masonry Opening: 17 3/4 X 38
 Frame Color: K/W - Black Exterior/White Interior
 Interlayer Type: PVB090
 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN
 Glass Color: CL - CLEAR
 Argon Gas: ARGON
 Grid Type: NONE - NO Grid
 CAR#: 23-0816.06
 NegativeDesignPressure: 50.0000
 EnergyStar: 123.0000
 UF: 0.2400
 VT: 0.5300
 CPD: PGT-K-206-02896-00001

NOA Selection: 23-0816.06
 Size Selection: CUSTOM
 Width: 16.0000
 Actual Size: 16 X 37
 Wood Frame Opening: 16 1/4 X 37 1/4
 Glass Family: LI - Laminated Insulating
 Glass Makeup: LIA207AA5
 Does unit need to meet Turtle Code: NO
 Low E: ENERGY SHIELD MAX
 Privacy Glass: NONE - NONE
 Boxing Options: N - None
 PositiveDesignPressure: 50.0000
 PANumber: FL243
 CondensationResistance: 61.0000
 SolarHeatGainCoeff: 0.2300
 VTCOG: 0.6300

0041
(41.00) **HR5510** VINYL HORIZONTAL ROLLER 5510
 42.X31.,5/8" FL,K/W,7/8 LIG,CL,ARG,ES Max,13/16"
 GBG,9LP,XO,EQUAL,BVK-BOXED,SWEEP

Ordered:
 1.00

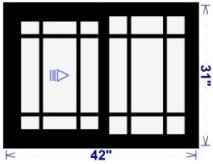


Certification Type: MIAMI
Frame Type: .625FLANGE
Vent Configuration: EQUAL
Size Ref: ACTUAL
Height: 31.0000
Rough Masonry Opening: 43 3/4 X 32
Egress Opening: 16 1/16 X 26 1/16 SQFT 2.9007
Glass Family: LI - Laminated Insulating
Interlayer Type: PVB090
Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN
Glass Color: CL - CLEAR
Argon Gas: ARGON
Grid Type: GBGF0813 - 13/16" Flat Grid Between
Grid Style: 9LP
Grid Summary: LEFT
Brittany Square Size: 4.0000
Screen Type: BVK - BetterVue Charcoal
Vent Latch: N
Lock Type: SWEEP - Sweep Latch
Anchor Group: C.HR54.55.1
CAR#: 23-0707.08
NegativeDesignPressure: 70.0000
EnergyStar: 1.0000
UF: 0.2900
VT: 0.4100
CPD: PGT-K-205-02294-00002

NOA Selection: 23-0707.08
Unit Configuration: XO
Size Selection: CUSTOM
Width: 42.0000
Actual Size: 42 X 31
Wood Frame Opening: 42 1/4 X 31 1/4
Frame Color: K/W - Black Exterior/White Interior
Glass Type: 1/8" - 5/16"
Glass Makeup: LIA207AA5
Does unit need to meet Turtle Code: NO
Low E: ENERGY SHIELD MAX
Privacy Glass: NONE - NONE
Grid Color: K/W
Grid Location: UNIT
Grid Summary: RIGHT
Reinf. Upgrade: MIAMIMAXIMP3 - Reinforcement
Screen Frame Type: EXTRUDED
Window Opening Control Device: N
Upgrade Hardware Finish: N
Boxing Options: BS - Box Screen
PositiveDesignPressure: 65.0000
PANumber: FL242
CondensationResistance: 59.0000
SolarHeatGainCoeff: 0.1900
VTCOG: 0.6300

0042
(42.00) **HR5510** VINYL HORIZONTAL ROLLER 5510
42.X31.,5/8" FL,K/W,7/8 LIG,CL,ARG,ES Max,13/16"
GBG,9LP,XO,EQUAL,BVK-BOXED,SWEEP

Ordered:
1.00

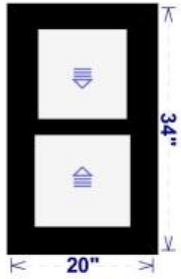


Certification Type: MIAMI
Frame Type: .625FLANGE
Vent Configuration: EQUAL
Size Ref: ACTUAL
Height: 31.0000
Rough Masonry Opening: 43 3/4 X 32
Egress Opening: 16 1/16 X 26 1/16 SQFT 2.9007
Glass Family: LI - Laminated Insulating
Interlayer Type: PVB090
Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN
Glass Color: CL - CLEAR
Argon Gas: ARGON
Grid Type: GBGF0813 - 13/16" Flat Grid Between
Grid Style: 9LP
Grid Summary: LEFT
Brittany Square Size: 4.0000
Screen Type: BVK - BetterVue Charcoal
Vent Latch: N
Lock Type: SWEEP - Sweep Latch
Anchor Group: C.HR54.55.1
CAR#: 23-0707.08
NegativeDesignPressure: 70.0000
EnergyStar: 1.0000
UF: 0.2900
VT: 0.4100
CPD: PGT-K-205-02294-00002

NOA Selection: 23-0707.08
Unit Configuration: XO
Size Selection: CUSTOM
Width: 42.0000
Actual Size: 42 X 31
Wood Frame Opening: 42 1/4 X 31 1/4
Frame Color: K/W - Black Exterior/White Interior
Glass Type: 1/8" - 5/16"
Glass Makeup: LIA207AA5
Does unit need to meet Turtle Code: NO
Low E: ENERGY SHIELD MAX
Privacy Glass: NONE - NONE
Grid Color: K/W
Grid Location: UNIT
Grid Summary: RIGHT
Reinf. Upgrade: MIAMIMAXIMP3 - Reinforcement
Screen Frame Type: EXTRUDED
Window Opening Control Device: N
Upgrade Hardware Finish: N
Boxing Options: BS - Box Screen
PositiveDesignPressure: 65.0000
PANumber: FL242
CondensationResistance: 59.0000
SolarHeatGainCoeff: 0.1900
VTCOG: 0.6300

0043
(43.00) **DH5560** VINYL DOUBLE HUNG 5560
20.X34.X.,5/8" FL,K/W,EQUAL,7/8 LIG,CL,ARG,ES Max,NO
GRID,SGL,SWEEP,BVK-BOXED,CMFRT LFT HNDL

Ordered:
1.00



Certification Type: MIAMI
 Frame Type: .625FLANGE
 Size Selection: CUSTOM
 Width: 20.0000
 Actual Size: 20 X 34
 Wood Frame Opening: 20 1/4 X 34 1/4
 Frame Color: K/W - Black Exterior/White Interior
 Glass Family: LI - Laminated Insulating
 Glass Makeup: LIA207AA5
 Does unit need to meet Turtle Code: NO
 Low E: ENERGY SHIELD MAX
 Privacy Glass: NONE - NONE
 Brittany Square Size: 4.0000
 Screen Type: BVK - BetterVue Charcoal
 Screen Configuration: FULL
 WOCD: N
 Upgrade Hardware Finish: N
 Comfort Lift: Y
 Lock Quantity: 1.0000
 Boxing Options: BS - Box Screen
 CAR#: 23-0816.18
 NegativeDesignPressure: 70.0000
 EnergyStar: 1.0000
 UF: 0.3000
 VT: 0.4500
 CPD: PGT-K-204-02294-00001

NOA Selection: 23-0816.18
 Vent Configuration: EQUAL
 Size Ref: ACTUAL
 Height: 34.0000
 Rough Masonry: 21 3/4 X 35
 Egress Opening: 15 1/16 X 9 1/16 SQFT (0.9445)
 Balance Type: CONSTANT
 Interlayer Type: PVB090
 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN)
 Glass Color: CL - CLEAR
 Argon Gas: ARGON
 Grid Type: NONE - NO Grid
 Reinf. Upgrade: MIAMIMAXIMP1 - Reinforcement
 Screen Frame Type: EXTRUDED
 Vent Latch: N
 Lock Type: SWEEP - Sweep Latch
 Top Sash Comfort Lift: CONTPULLRAIL
 Lift Rail: N
 Anchor Group: C.HU54.55.1
 Vent Ht: 16.2345
 PositiveDesignPressure: 65.0000
 PANumber: FL14705
 CondensationResistance: 58.0000
 SolarHeatGainCoeff: 0.2000
 VTCOG: 0.6300

From: [Michelle Ryan](#)
To: [Kim Creighton](#); [Caroline Lanford](#)
Subject: Ryan window requested info
Date: Saturday, July 13, 2024 1:02:54 PM

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Here is the information you asked for showing what type of windows are going where HS stands for horizontal sliders picture I believe it's just a P and then SH is single hung. Thanks





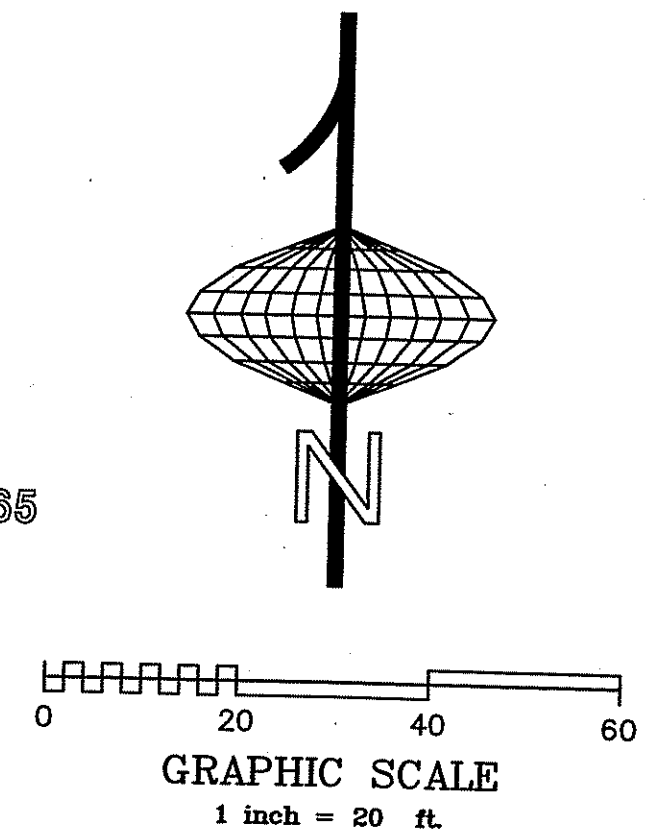
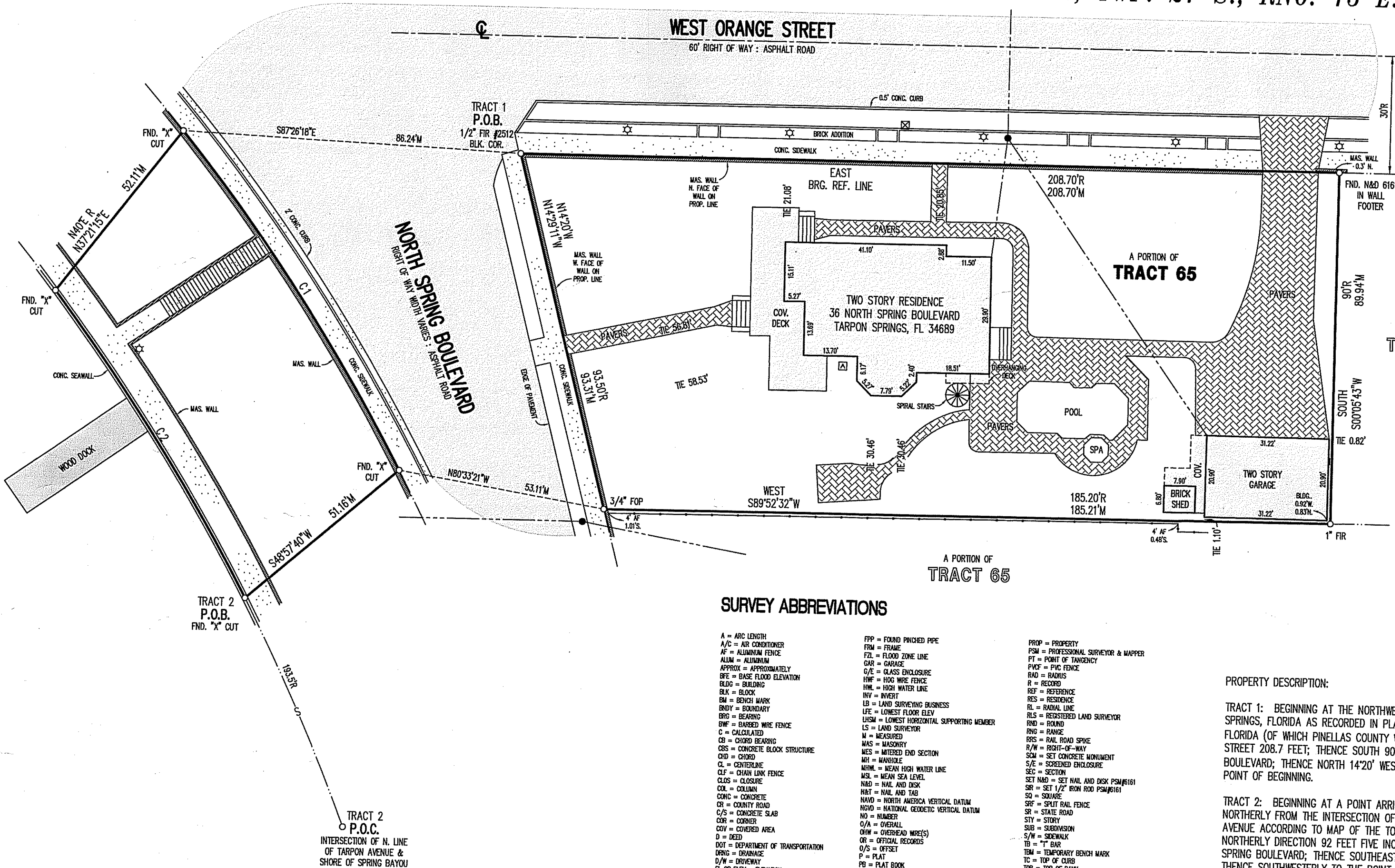






Michelle Ryan
210-602-7833

SECTION 12, TWP. 27 S., RNG. 15 E., PINELLAS COUNTY, FLORIDA



SURVEY ABBREVIATIONS

A = ARC LENGTH	FPP = FOUND PINCHED PIPE	PROP = PROPERTY
A/C = AIR CONDITIONER	FRM = FRAME	PSM = PROFESSIONAL SURVEYOR & MAPPER
AF = ALUMINUM FENCE	FZL = FLOOD ZONE LINE	PT = POINT OF TANGENCY
ALUM = ALUMINUM	GAR = GARAGE	PVCF = PVC FENCE
APPROX = APPROXIMATELY	G/E = GLASS ENCLOSURE	RAD = RADIUS
BFE = BASE FLOOD ELEVATION	HWF = HIGH WATER FENCE	R = RECORD
BLDG = BUILDING	INV = INVERT	REF = REFERENCE
BLK = BLOCK	LB = LAND SURVEYING BUSINESS	RES = RESIDENCE
BM = BENCH MARK	LFE = LOWEST FLOOR ELEV	RL = RADIAL LINE
BNDY = BOUNDARY	LHSM = LOWEST HORIZONTAL SUPPORTING MEMBER	RLS = REGISTERED LAND SURVEYOR
BNG = BEARING	LS = LAND SURVEYOR	RND = ROUND
BWF = BARBED WIRE FENCE	M = MEASURED	RNG = RANGE
C = CALCULATED	MES = MEASURED END SECTION	RNS = RAIL ROAD SPIKE
CB = CHORD BEARING	MSL = MEAN SEA LEVEL	R/W = RIGHT-OF-WAY
CBS = CONCRETE BLOCK STRUCTURE	N&D = NAIL AND DISK	SCM = SET CONCRETE MONUMENT
CDD = CHORD	N&T = NAIL AND TAG	S/E = SCREENED ENCLOSURE
CL = CENTERLINE	NAVD = NORTH AMERICA VERTICAL DATUM	SEC = SECTION
CLF = CHAIN LINK FENCE	NOVD = NATIONAL GEODETIC VERTICAL DATUM	SET N&D = SET NAIL AND DISK PSM#161
CLOS = CLOSURE	NO = NUMBER	SRI = SET 1/2" IRON ROD PSM#161
COL = COLUMN	O/A = OVERALL	SO = SQUARE
CONC = CONCRETE	OW = OVERHEAD WIRE(S)	SRI = SPLIT RAIL FENCE
CR = COUNTY ROAD	OR = OFFICIAL RECORDS	SR = STATE ROAD
C/S = CONCRETE SLAB	O/S = OFFSET	STY = STORY
COR = CORNER	P = PLAT	SUB = SUBDIVISION
COV = COVERED AREA	PD = PLAT BOOK	S/W = SIDEWALK
D = DEED	PC = POINT OF CURVE	TB = T BAR
DOT = DEPARTMENT OF TRANSPORTATION	PCC = POINT OF COMPOUND CURVE	TC = TOP OF CURB
DRG = DRAINAGE	PCP = PERMANENT CONTROL POINT	TOB = TOP OF BANK
D/W = DRIVEWAY	PE = PACE	TOS = TOP OF SLOPE
EL OR ELEV = ELEVATION	PK = PARKER KALON	TRANS = TRANSFORMER
EOP = EDGE OF PAVEMENT	PL = PROPERTY LINE	TWP = TOWNSHIP
EDW = EDGE OF WATER	POB = POINT OF BEGINNING	TYP = TYPICAL
ESMT = EASEMENT	POL = POINT ON LINE	UG = UNDERGROUND
FCM = FOUND CONCRETE MONUMENT	PP = POWER POLE	UTL = UTILITY
FES = FLARED END SECTION	PRC = POINT OF REVERSE CURVATURE	WD = WOOD
FIP = FOUND IRON PIPE	PRM = PERMANENT REFERENCE MONUMENT	WF = WOOD FENCE
FIR = FOUND IRON ROD		WFI = WROUGHT IRON FENCE
FL = FLOW LINE		WT = WITNESS
FID = FIELD		WRF = WIRE FENCE
FID = FOUND		WV = WATER VALVE
FID = FOUND OPEN PIPE		
FPC = FLORIDA POWER CORP.		

*** ABBREVIATIONS MAY ALSO BE CONCATENATED AS REQUIRED.
 *** OTHER COMMONLY RECOGNIZED AND/OR ACCEPTED ABBREVIATIONS ARE ALSO UTILIZED BUT NOT SPECIFIED HEREON.

GENERAL NOTES

- UNLESS OTHERWISE STATED, THE PROPERTY DESCRIPTION SHOWN HEREON WAS PROVIDED BY THE CLIENT, OR CLIENT'S DESIGNATED AGENT.
- UNDERGROUND IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO BUILDING FOUNDATIONS, HAVE NOT BEEN LOCATED EXCEPT AS SHOWN HEREON.
- INACCESSIBLE ABOVE GROUND IMPROVEMENTS (E.G. BUILDING OVERHANGS, THOSE WITHIN SECURED AREAS, ETC.), HAVE NOT BEEN LOCATED EXCEPT AS SHOWN HEREON.
- UNLESS OTHERWISE STATED, THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE SEARCH AND MAY BE SUBJECT TO ADDITIONAL EASEMENTS, RIGHT-OF-WAYS, AND OTHER MATTERS OF RECORD.
- THERE ARE NO VISIBLE ENCROACHMENTS, EXCEPT AS SHOWN HEREON.
- BASIS OF BEARINGS IS PLAT, UNLESS OTHERWISE SHOWN OR STATED.
- ALL BUILDING TIES, PROPERTY MARKER LOCATIONS AND OTHER SITE IMPROVEMENT LOCATIONS SHOWN HEREON ARE MEASURED PERPENDICULAR TO ADJACENT BOUNDARY LINES, UNLESS OTHERWISE STATED.
- FLOOD ZONE DESIGNATION AND/OR FLOOD ZONE LINES (IF ANY) SHOWN HEREON HAVE BEEN SCALED FROM THE REFERENCED MAP AND ARE APPROXIMATE. THE TRUE FLOOD ZONE LINES MUST BE DETERMINED BY AN ENGINEER.
- THIS SURVEY DOES NOT DETERMINE OR IMPLY OWNERSHIP.
- THERE MAY BE ADDITIONAL RESTRICTIONS, EASEMENTS OR OTHER MATTERS OF RECORD THAT ARE NOT SHOWN HEREON THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.

PROPERTY DESCRIPTION:

TRACT 1: BEGINNING AT THE NORTHWEST CORNER OF BLOCK 65, ACCORDING TO THE MAP OF THE TOWN OF TARPON SPRINGS, FLORIDA AS RECORDED IN PLAT BOOK 4, PAGE 8 OF THE PUBLIC RECORDS OF HILLSBOROUGH COUNTY, FLORIDA (OF WHICH PINELLAS COUNTY WAS FORMERLY A PART); RUN THENCE EAST ALONG THE SOUTH LINE OF ORANGE STREET 208.7 FEET; THENCE SOUTH 90 FEET; THENCE WEST 185.2 FEET MORE OR LESS TO THE EAST LINE OF SPRING BOULEVARD; THENCE NORTH 14°20' WEST ALONG THE EAST LINE OF THE SPRING BOULEVARD 93 FEET 6 INCHES TO THE POINT OF BEGINNING.

TRACT 2: BEGINNING AT A POINT ARRIVED AT BY MEASURING ALONG THE SHORE OF SPRING BAYOU, 193.5 FEET NORTHERLY FROM THE INTERSECTION OF SPRING BAYOU WITH A WESTERLY PROJECTION OF THE NORTH LINE OF TARPON AVENUE ACCORDING TO MAP OF THE TOWN OF TARPON SPRINGS; RUN THENCE ALONG THE SAID SHORE LINE IN A NORTHERLY DIRECTION 92 FEET FIVE INCHES; THENCE EAST 40' NORTH TO A POINT ON THE WEST BOUNDARY LINE OF SPRING BOULEVARD; THENCE SOUTHEASTERLY ALONG SAID WEST BOUNDARY LINE OF SPRING BOULEVARD, 103.5 FEET; THENCE SOUTHWESTERLY TO THE POINT OF BEGINNING. PROVIDED, HOWEVER, THAT THIS LOCATION IS SO PLACED THAT ALLOWANCE IS MADE FOR SHORE FRONTAGE WITHOUT BOUNDARY CONFLICT, AS SUCH FRONTAGES ARE DESCRIBED IN DEED, RECORDED IN DEED BOOK P, PAGE 163, 187, 170 AND 165, PUBLIC RECORDS OF HILLSBOROUGH COUNTY, FLORIDA (OF WHICH PINELLAS COUNTY WAS FORMERLY A PART).

FLOOD ZONE:

THE ABOVE DESCRIBED PROPERTY APPEARS TO BE IN ZONE X, IN ACCORDANCE WITH THE FIRM MAP OF PINELLAS COUNTY, FLORIDA, MAP NUMBER 12103C 0019 G, REVISED SEPTEMBER 3, 2003.

PREPARED FOR:

CITIBANK, N.A., IT'S SUCCESSORS AND OR ASSIGNS
 BILLIE J. RYAN AND MICHELLE D. RYAN HUSBAND AND WIFE
 BILIRAKIS LAW GROUP, LLC
 OLD REPUBLIC TITLE INSURANCE COMPANY

BOUNDARY SURVEY

CERTIFICATION: I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE SURVEY SHOWN HEREON SUBSTANTIALLY MEETS THE MINIMUM TECHNICAL STANDARDS FOR LAND SURVEYING DESCRIBED IN THE STATE OF FLORIDA RULE 6J-17, F.A.C. FURTHERMORE, THIS CERTIFICATION SHALL NOT EXTEND TO ANY OTHER PERSONS OR PARTIES OTHER THAN THOSE NAMED ON THIS SURVEY AND SHALL NOT BE VALID AND BINDING AGAINST THE UNDERSIGNED SURVEYOR WITHOUT THE ORIGINAL RAISED SEAL AND SIGNATURE OF THE FLORIDA LICENSED SURVEYOR AND MAPPER.

GREGORY A. SHIMP, PROFESSIONAL SURVEYOR & MAPPER No. 6161

JOB NUMBER: 160147 DATE SURVEYED: 4/22/2016
 DRAWING FILE: 160147.DWG DATE DRAWN: 4/23/2016
 LAST REVISION: N/A X REFERENCE: N/A

GREGORY A. SHIMP, PSM, LLC
 PROFESSIONAL SURVEYOR & MAPPER
 8237 CRESCENT MOON DRIVE, NEW PORT RICHEY, FL 34655
 PHONE (727) 859-2161 FAX (727) 493-5599
 www.gregshimp.com gregshimp@gmail.com

CURVE TABLE				
CURVE	RADIUS	ARC	CHORD	CHORD BEARING
C1	501.35'M	103.50'R	102.80'M	S33°44'42"E M
C2	530.30'M	92.42'R	92.43'M	N32°50'48"W M



CITY OF TARPON SPRINGS
HERITAGE PRESERVATION BOARD
SEPTEMBER 9, 2024

STAFF REPORT, August 26, 2024

Application No. / Project Title: 24.55 / Hibiscus House

Staff: Caroline Lanford, AICP CTP
Principal Planner

Applicant / Owner: Arry's Roofing (Emily Croat, Agent) / Boca Grande North
Land Trust / Chestnut Land Trust Services LLC, Owner

Property Size: 4,996 square feet

Current Zoning: Special Area Plan, Uptown Character District

Current Land Use: Vacation Rental

Location / Parcel ID: 227 Hibiscus Street / 12-27-15-60228-000-0040

Architectural Type/District Status: Frame Vernacular / Contributing

BACKGROUND SUMMARY:

The applicant is seeking a Certificate of Approval to replace the existing shingle roof with a standing seam metal roof at the subject property, a frame vernacular structure that Florida Master Site File (FMSF) 8PI11775 dates as circa 1919. This building features decorative pattern shingles in the gable end, a steep roof pitch and a full-length porch. Although the structure has been altered over time, it retains enough integrity to be considered a contributing resource in both the local and National Register of Historic Places districts.

PRELIMINARY STAFF RECOMMENDATION:

Staff recommends **denial** of the project as presented by the applicant based on inconsistency with the review criteria as stated in this staff report.

However, if the HPB should recommend approval for the project, staff recommends the following conditions:

1. The historic rooflines must be maintained.
2. The Certificate of Approval will expire in three (3) years if a building permit has not been issued for the project.

HISTORIC DISTRICT CONSIDERATIONS:



1. When considering this application, the Heritage Preservation Board (HPB) is encouraged to refer to the Historic District Design Review Guidelines Manual (DRGM), especially 2, 3, 4, 63, and 64. The DRGM can be accessed at the following link: <https://www.ctsfl.us/wp-content/uploads/2021/03/Historic-District-Design-Review-Guidelines-Manual.pdf>

REVIEW STANDARDS / STAFF ANALYSIS – CERTIFICATE OF APPROVAL

Pursuant to Section 109.01, Standards for Review:

- (A) It shall be the intent of this Article to promote maintenance, restoration, adaptive reuses appropriate to the property, and compatible contemporary designs that are harmonious with the exterior and landscape features of neighboring buildings, sites, and streetscapes.
- (B) In reviewing an application for a Certificate of Approval, the Board shall consider the following criteria:

(1) The height and width of any proposed alteration or new construction shall be consistent with that of adjacent contributing structures and with those structures of similar character and architectural style found throughout the immediate neighborhood or the district.

ANALYSIS: Not applicable to this project.

(2) The width and height of windows, doors, and entries shall be consistent with the character of the building's original architectural style. Repair or replacement of missing architectural features such as windows, mullions, doors, entries, hand rails, etc., should be based on accurate duplications, substantiated by historic, physical or pictorial evidence rather than on conjectural designs or the availability of different architectural elements from other buildings or structures.

ANALYSIS: Not applicable to this project.

(3) The relationship of a structure within an historic or cultural preservation district to the open space between it and the street and to other buildings or scenic views, vistas or streetscapes characterizing the area, shall be protected through a site plan review process addressing setbacks, roof lines, garage placement, parking and access analysis and the use of landscaping.

ANALYSIS: No alterations to the historic roofline are proposed in the application. The change of materials from shingles to standing seam metal will alter the appearance of the historic streetscape. The building adjacent to the subject property to the south has a shingle roof, and the building immediately to the north has a metal roof. Both shingle and metal roofs are extant throughout the district and the immediate vicinity. The streetscape would be altered by the change of the roof material. The HPB should determine if the alteration is significantly adverse.

(4) The shape and texture of the roof shall replicate the shape, texture and type of roof distinguishing the building's original architecture and on structures of similar style and age within the Historic and Cultural Preservation District.

ANALYSIS: The application for a Certificate of Approval does not propose any additional changes to the historic shape of the existing roof. The proposed project would alter the texture and type of the



existing roof. There are many frame vernacular buildings in the vicinity of the subject property with metal roofs. The HPB should determine if the alteration of materials is significantly adverse.

(5) The size and mass (or shape) of the building after alteration shall be reflective of the building's original architectural style. The size and mass (or shape) of a proposed structure (new construction) should reflect the character of contributing buildings within the District as well as those immediately surrounding the subject property and shall include review of architectural elements such as roof lines, fenestration, and other components of facade design.

ANALYSIS: Not applicable to this project.

(6) Landscaping shall be utilized as a means to enhance the architectural character and appearance of the structure or traditional cultural property and to protect and define open spaces and pedestrian ways within Historic and Cultural Preservation Districts.

ANALYSIS: Not applicable to this project.

(7) Distinctive architectural features shall be repaired rather than replaced, wherever possible. Architectural details, including color, materials, texture, and site lighting shall be treated so as to make the building, structure, or traditional cultural property consistent with the property's original architectural style and character. New materials should replicate the material being replaced in composition, design, color, texture and other visual qualities.

ANALYSIS: The DRGM provides guidance for roofs primarily in Chapter 4.17: "The roof is one of the prominent defining features of historic buildings" (page 138). Guideline 63 is particularly applicable to the proposed project:

Guideline 63. Roofing Material

- a. Retain and repair the historic roof materials where feasible. Repairs can include replacing panels or sealing pinholes with an elastomeric/silicone material.
- b. If all roofing material is to be removed, then the new roofing material shall match the existing or be characteristic of the architectural style in terms of material, size, and pattern.
- c. Requests for substitute roofing materials will be reviewed on a case-by-case basis.

Repair versus Replacement:

The applicant has been informed that replacing the existing shingle roof with a new shingle roof could be approved at a staff level. The applicant has rejected the option of repair and/or replacement with like materials, in favor of complete replacement with metal standing seam roofing. Metal roofs are consistent with the frame vernacular architecture found throughout the Tarpon Springs local historic district. The HPB should satisfy themselves that the conditions of "b" of Guideline 63 is met.

Comparative Quality of Materials:

Characteristic of the architectural style: The current roof is shingle, consistent with the period of construction.

The 1913 and 1919 Sanborn Maps show different structures at this property and the 1926 Sanborn shows the property as vacant. There are no freely available Sanborn maps that show this building, and



historical information about original roofing material is unavailable. The DRGM notes the following with respect to frame vernacular roofs: "Roofs are typically gable or hipped (earliest examples are steeply sloped); or original roofing materials were usually standing seam metal or asbestos shingles, however many of the houses now feature composition shingles" (page 32).

Size/Dimension: The current roof is composed of uniform sized shingles, and the proposed replacement will be large panels of significantly different size and dimensions than the existing shingle roof.

Thickness: The replacement panels will be of similar thickness as the current shingles.

Finish / Texture: The current shingles have a matte finish and granular texture. The application does not specify a finish, but the texture would be smooth rather than granular. The change of material from asphalt to metal would result in a change of texture, and depending on product choices, finish.

Color: The applicant has not provided a product sheet indicating color. Although the HPB cannot specify a required color, the use of a matte finish gray would minimize the aesthetic alteration if the HPB determines that the change of material is not a significant deviation from the original architectural style.

(8) All buildings, structures, sites and traditional cultural properties shall be recognized as products of their own time. Alterations, modifications or other changes to a structure or traditional cultural property shall not attempt to create an earlier appearance than the original date of construction. Changes that may have taken place in the course of time are evidence of the history and development of the subject property and may have acquired significance in their own right. This significance shall be recognized and respected.

ANALYSIS: Not applicable to this project.

(9) The renovation of contributing structures in an historic or cultural district or designated sites shall meet the Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings.

ANALYSIS: The following standards are applicable to this project:

2. The historic character of a property shall be retained and preserved. The removal of historic materials or alterations of features and spaces that characterize a property shall be avoided.

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 proposed project does not strictly meet the Secretary's standards, as the change of roofing material would alter a distinguishing feature of the building. However, a standing seam metal roof is compatible with the architectural style of the building.

(10) The proposed project shall conform to other requirements of this Code and be in compliance with the applicable goals, objectives, and policies of the Comprehensive Plan.

ANALYSIS: The project does not strictly comply with Article VII of the City of Tarpon Springs Comprehensive Zoning and Land Development Code or the Historic Preservation Element of the Comprehensive Plan due to the change of materials. The project complies with other articles of the Comprehensive Zoning and Land Development Code.

(11) The impact upon archaeological sites shall preserve the integrity of the site.

ANALYSIS: No archaeological sites will be impacted.

PUBLIC CORRESPONDENCE:

The property owners within 500 feet were sent written notification in accordance with Section 109.00(B) of the City of Tarpon Springs Comprehensive Zoning and Land Development Code. Staff has not received any responses to these notices.

ATTACHMENTS:

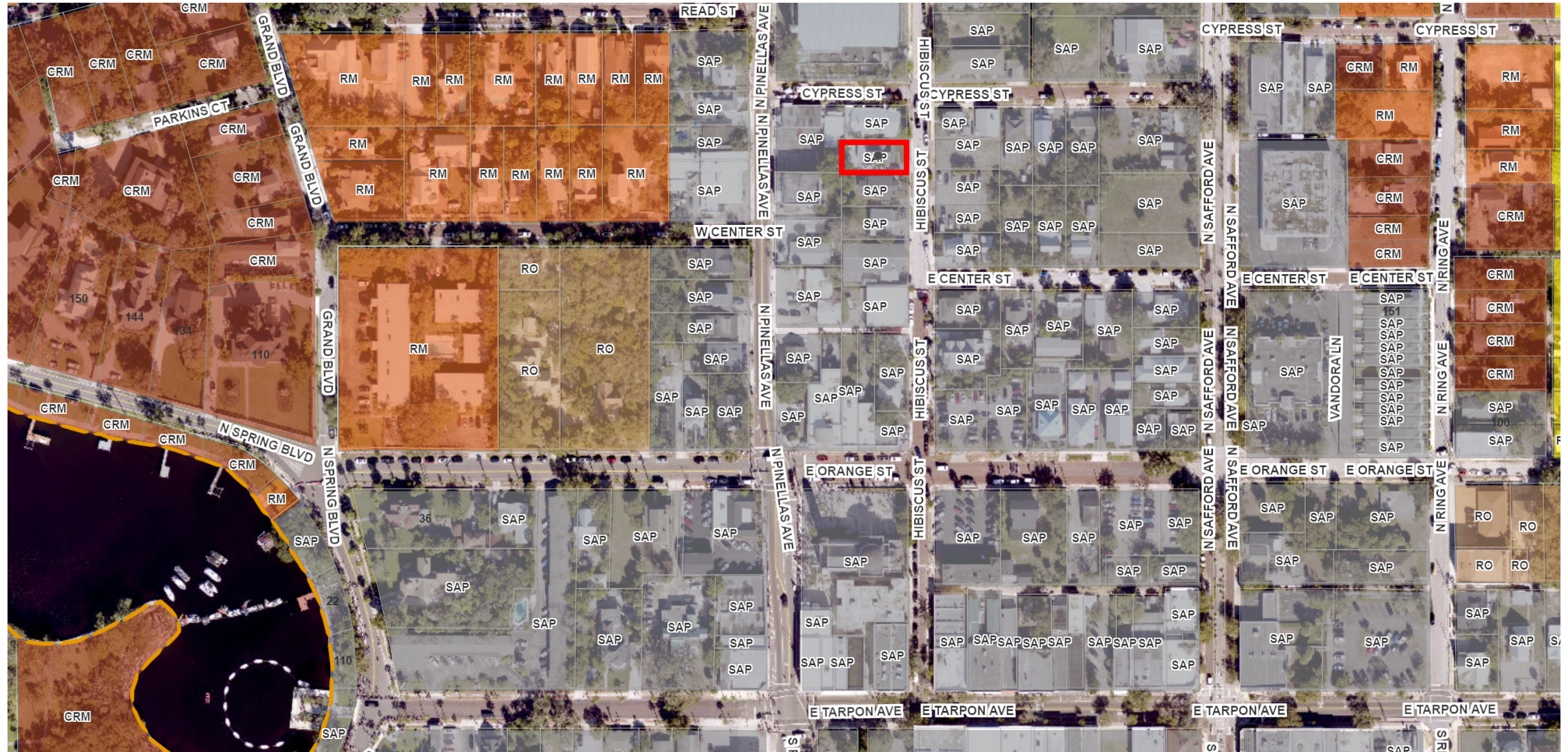
1. Slide Presentation
2. Florida Master Site File Form #8PI11775
3. Application and supporting materials

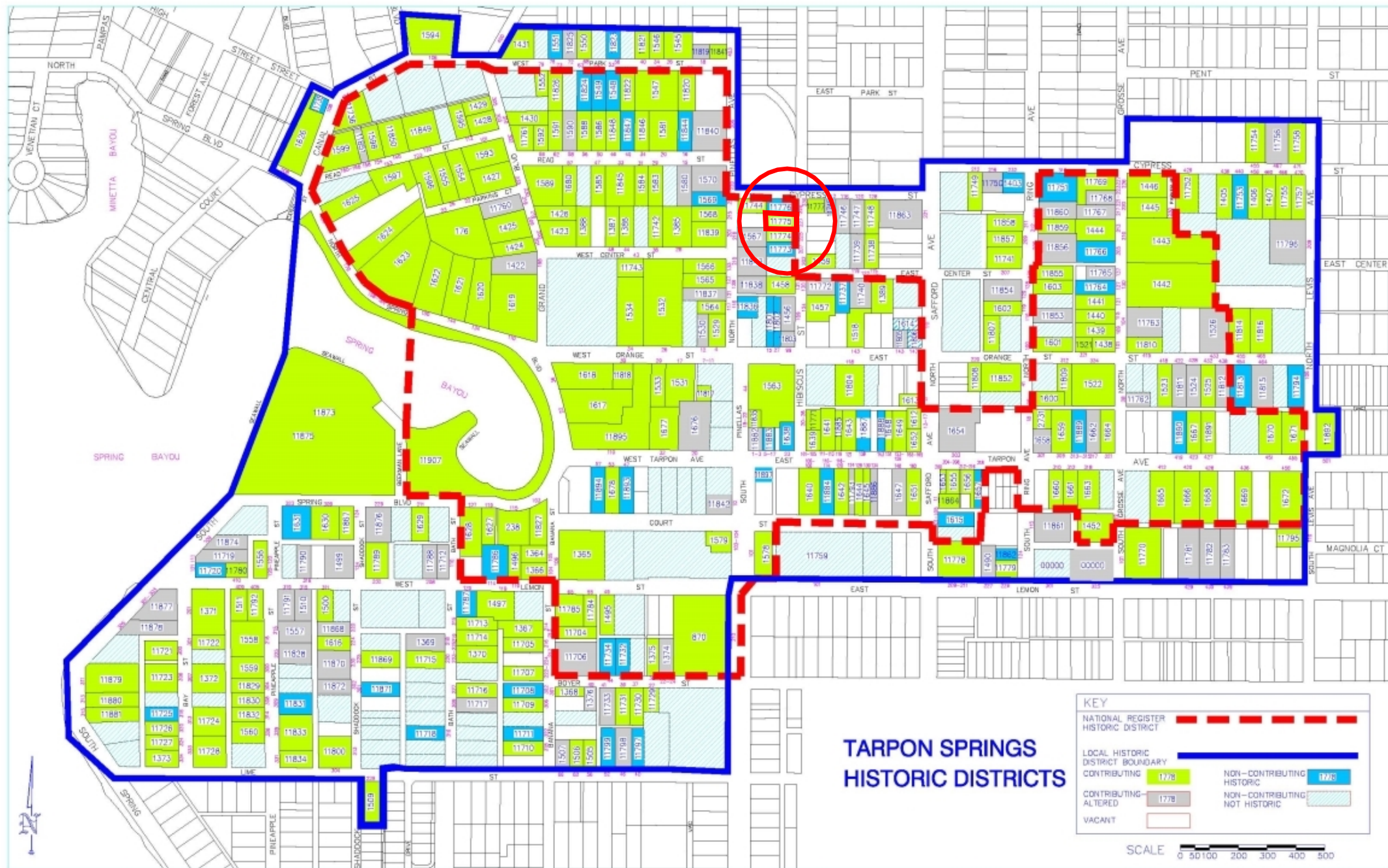
HIBISCUS HOUSE APPLICATION #24-55

Heritage Preservation Board, September 9, 2024



LOCATION AND CONTEXT



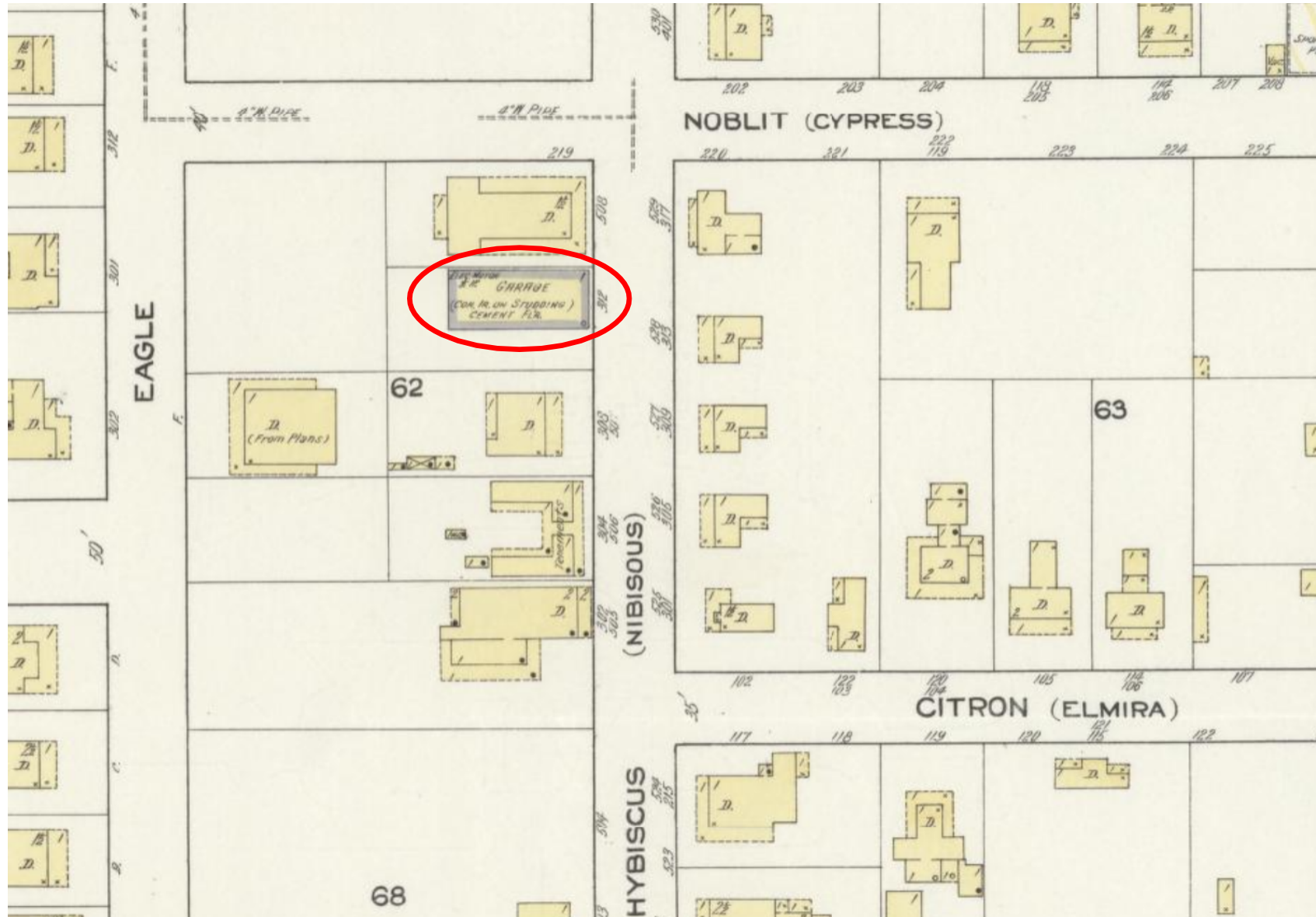




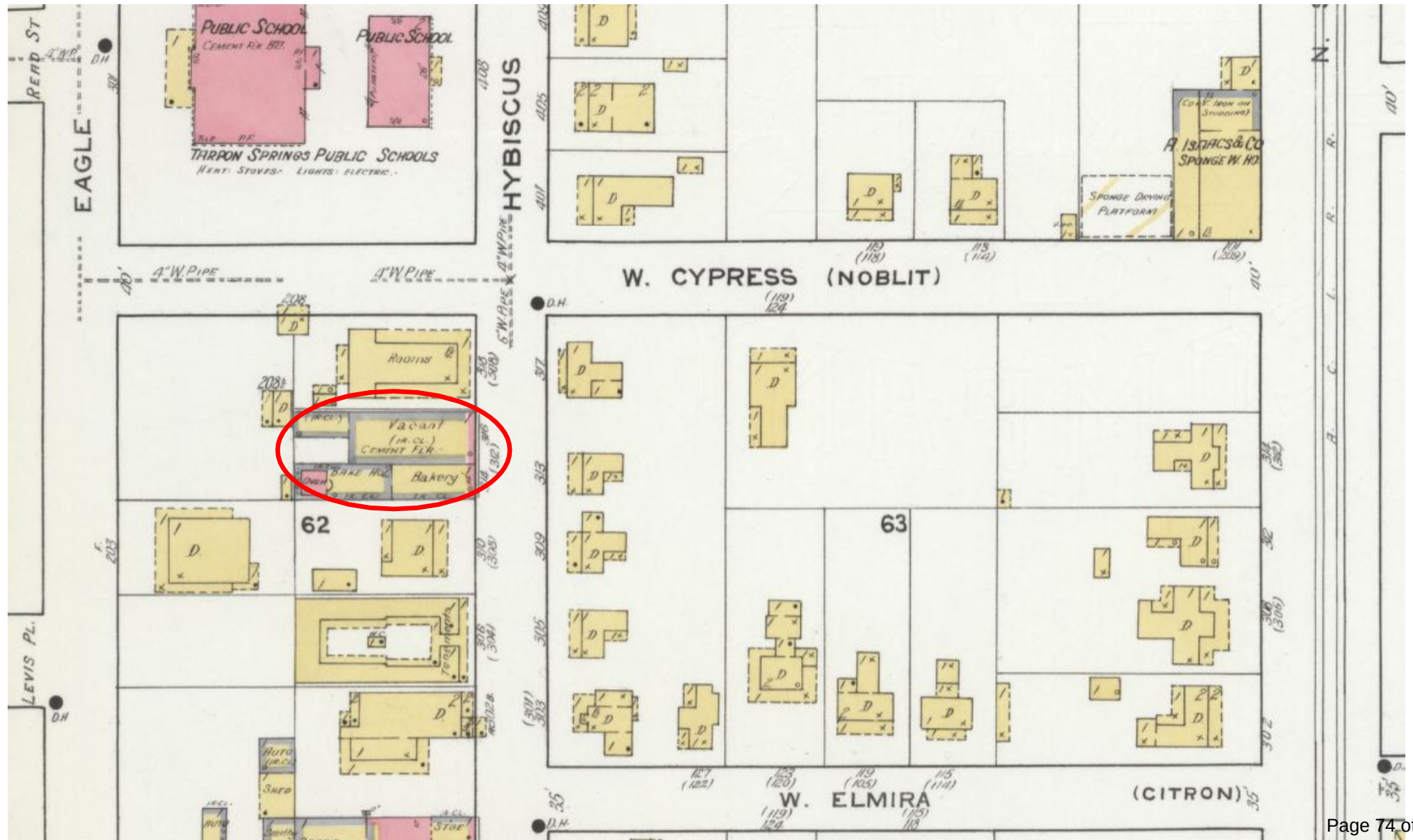
REQUEST

- Certificate of Approval for:
 - Remove existing shingle roof and install a standing seam metal roof.
- Lot Size: 4,996 square feet
- Architectural Type/Style: Frame Vernacular
- District Status: Contributing
- Florida Master Site File: 8PI11775
- Applicant: Emily Croat (agent)
- Property Owner: Boca Grande North Land Trust / Chestnut Land Trust Services LLC

1913 SANBORN MAP



1919 SANBORN MAP



1926 SANBORN MAP



FLORIDA MASTER SITE FILE



227 HIBISCUS STREET FAÇADE



227 HIBISCUS STREET



227 HIBISCUS STREET – CONTEXT NORTH



227 HIBISCUS STREET – CONTEXT NORTH



227 HIBISCUS STREET – CONTEXT SOUTH



227 HIBISCUS STREET – CONTEXT SOUTH



227 HIBISCUS STREET – PROPOSED PROJECT



26GA PermaShield over 15/32 Plywood

Premier Metal Roof Manufacturing
17613 S. Hwy 475 | Summerfield FL 34491
www.PMRoof.com | 352-356-1609

Product Description

Screw strip, snap lock metal roof panel. Panel coverage is 16" (max) with nominal rib height of 1"

Product Material: 26ga (min) steel

26ga is nominally 0.0185" with yield strength of at least 50ksi, and shall be corrosion resistant per FBC 1507.4.3 where required

Fastener: #10 x 1 inch pancake fastener

Compliant with FBC 1506.6 where required.

Substrate/Deck: 15/32" (min) plywood

Maximum Allowable Loads & Installation Requirements:

Method A: #10 x 1.0" fastener every other hole ($\pm 10"$ oc): 71 PSF

Method B: #10 x 1.0" fastener every hole ($\pm 5"$ oc) WITH sealant: 116 PSF

A factor of safety of 2 has been applied.



PERMASHIELD
Screw Strip Standing Seam



STANDARDS FOR REVIEW – CERTIFICATE OF APPROVAL

- 1) New construction consistency.
- 2) Windows, doors and entries.
- 3) Neighborhood and district context.
- 4) Roof shape and texture.
- 5) Size and massing / shape.
- 6) Landscaping.
- 7) Architectural features.
- 8) Adherence to period of construction.
- 9) Adherence to Secretary's Guidelines.
- 10) Conformance with other City code requirements.
- 11) Impact upon archeological sites.

STANDARDS FOR REVIEW – ADHERENCE TO THE SECRETARY’S GUIDELINES

2 The historic character of a property will be retained and preserved. The removal of distinctive materials or alteration of features, spaces and spatial relationships that characterize a property will be avoided.

5 Distinctive materials, features, finishes, and construction techniques or examples of craftsmanship that characterize a property will be preserved.

6 Deteriorated historic features will be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature will match the old in design, color, texture and, where possible, materials. Replacement of missing features will be substantiated by documentary and physical evidence.

9 New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work will be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment.

Guideline 63. Roofing Material

- Retain and repair the historic roof materials where feasible. Repairs can include replacing panels or sealing pinholes with an elastomeric/silicone material.
- If all roofing material is to be removed, then the new roofing material shall match the existing or be characteristic of the architectural style in terms of material, size, and pattern.
- Requests for substitute roofing materials will be reviewed on a case-by-case basis.
- When replacing asphalt shingles, heavyweight architectural shingles are preferred.
- Repair of isolated sections of a roof must match the existing in material composition, style, size, and color.

Best Choice

Replace a historic standing seam metal roof with a new standing seam metal roof

Good Alternative

Replace a slate roof with new synthetic slate shingles that mimic the texture and pattern of the historic slate roof

Not Appropriate

Replacing a slate roof with a new standing seam metal roof



Frame Vernacular (ca. 1880–1940)

The term "vernacular" refers to a structure that is not pure in its design style, but loosely based on the design features of one or more styles. Frame Vernacular buildings use wood as the dominant structural and exterior elements. They were often constructed using the balloon framing technique, which used corner posts and horizontal members consisting of two-by-four posts nailed together. Floors were hung on the wall studs and, on multi-story buildings, the wall studs rose continuously from the floor to the roof.

Frame Vernacular construction was very common from the late 1800s through the 1940s. Vernacular style structures have square, rectangular, and "L" shape floor plans and are one or two-stories in height. Frame Vernacular is the most common style in the District and in the City of Tarpon Springs. Most of the Frame Vernacular houses within the Tarpon Springs Historic District are residential and were originally erected as winter cottages. Today, nearly all are occupied year-round by permanent Tarpon Springs residents.

Many Frame Vernacular houses built in the late 1910s and 1920s demonstrate Craftsman style elements including exposed rafter ends and wide, overhanging roof eaves.

Examples of Frame Vernacular houses from the 1930s and 1940s are even more modest than their predecessors and display modest roof overhangs and even fewer decorative elements. Most of the Frame Vernacular houses within the Tarpon Springs Historic District were constructed prior to 1915, with the earliest built around 1883.

Common Characteristics:

- One- or two-stories.
- Square, rectangular, or "L" shape in plan.
- Wood is the dominant structural and exterior element. (Often used balloon framing technique¹)
- Balloon Frame set on pier foundations made of brick, concrete, or reticulated concrete block.
- Roofs: are typically gable or hipped (earliest examples are steeply sloped); or original roofing materials were usually standing seam metal or asbestos shingles, however many of the houses now feature composition shingles.
- Exterior cladding is horizontal wood siding including weatherboard, clapboard or drop siding with corner boards.
- Windows are typically one-over-one or two-over-two, double-hung wood sash windows.
- Nearly all Frame Vernacular houses within the historic district feature porches which are most often supported by wood posts. They usually run the full length of the façade or wrap-around two or three sides.
- Detailing on houses tends to be basic and understated including the use of decorative shingles in front gables or simple ornamental railings on porches.



PRELIMINARY STAFF RECOMMENDATION

Staff recommends **denial** of Application #24-55. Should the HPB approve the application, staff recommends the following conditions:

1. The historic roofline must be maintained.
2. The Certificate of Approval will expire in three (3) years if a building permit has not been issued for the project.

The project was publicly noticed. No responses to the notices have been received.



HISTORICAL STRUCTURE FORM

FLORIDA MASTER SITE FILE

Consult Guide To Historical Structure Forms for detailed instructions

Site # 8PI11775

Recorder # 146

Recorder Date 2/16/09

Original ☒Update ☐

Site Name 227 N Hibiscus Street Other Names

Project Name Historic Resources Survey of Tarpon Springs

Historic Contexts WWI and Aftermath National Register Category Building

LOCATION and IDENTIFICATION

Address 227 N Hibiscus Street

Vicinity of W side of Hibiscus between Cypress and Center

City Tarpon Springs County Pinellas

Ownership Private-individual Subdivision Block # Lot #

MAPPING

USGS Map TARPON SPRINGS Township 27S Range 15E Section 12

Quarter Qtr Qtr Irregular Section ☐ UTM Zone 17

Easting 327551 Northing 3114908 Land Grant Unknown

Latitude Longitude Plat or Other Map Aerial Photographs

HISTORY

Architect/Builder Unknown Construction Date 1919 Circa ☒Alterations ☒ Date c.1970+ Type/Location windows replaced, shutters added, porch posts alteredAdditions ☒ Date Unknown Type/Location rear shed roof, wood frameMoved ☐ Original Location

Use Original Private residence Use Present Private residence

DESCRIPTION

Style Frame Vernacular Exterior Plan Rectangular Interior Plan Unknown Stories 1.5

Structural System Wood frame Exterior Fabric Drop siding; Wood shingles

Foundation Piers Foundation Materials Poured concrete Foundation Infill N/A

No. of Porches 1 Locations/Features full width, separate shed roof with wood deck and 8x8 wood posts

Main Entrance (stylistic details): center entry under main porch

Outbldgs. ☐ Number Nature/Location (Describe below)

Roof Type Gable Roofing Materials Composition shingles

Secondary Structures ☒ Comments Gable dormer Location north sideChimneys ☐ Number 0 Orientation N/A Location N/A Material Not applicableWood Windows ☒ Type DHS Light # 2/2Metal Windows ☒ Type SHS Light # 2/2

Exterior Ornament rafter tails, wood surrounds, shutters (faux)

Condition Good Surroundings Residential

Narrative (general, interior, landscape, context; 3 lines only)

This structure features decorative pattern shingles in the gable end and a steep roof pitch.

Archaeological Remains Present ☐ FMSF Archaeological Site Form Completed (if yes, attach) ☐

Consult Guide To Historical Structure Forms for detailed instructions

RECORDER'S EVALUATION OF SITE

Individually Eligible for National Register? Yes ☐ No ☒ Likely, Need Information ☐ Insufficient Information ☐
 Potential Contributor to Nat. Reg. District? Yes ☒ No ☐ Likely, Need Information ☐ Insufficient Information ☐

Areas of Significance

Community planning & development

Summary of Significance

This resource is an example of residential architecture in Tarpon Springs during the World War I and Aftermath-era and is representative of the development of the City of Tarpon Springs. Although this building has undergone some minor alterations, the majority of architectural details remain and the overall historic massing is retained. Therefore, this building would be considered a contributing resource to the NRHP and Local Tarpon Springs Historic District.

DHR USE ONLY		OFFICIAL EVALUATIONS	DHR USE ONLY	
NR DATE ____/____/____	KEEPER-NR ELIGIBILITY ☐ yes ☐ no		Date	____/____/____
DELIST DATE ____/____/____	SHPO-NR ELIGIBILITY: ☐ yes ☐ no ☐ potentially elig. ☐ insufficient info		Date	____/____/____
	LOCAL DESIGNATION: _____		Date	____/____/____
	Local office _____			
National Register Criteria for Evaluation ☐ a ☐ b ☐ c ☐ d (See National Register Bulletin 15, p. 2)				

DOCUMENTATION

Research Methods Florida Site File for past architectural surveys; Florida Site File search; Local library; Tax records; Pedestrian; Sanborn maps

Bibliographic References

Location of Negatives Janus Research **Negative Numbers** Roll 2885, #14, Facing NW

RECORDER INFORMATION

Recorder Name Janus Research

Recorder Affiliation JANUS RESEARCH, 1107 N. Ward Street, Tampa, Florida 33607 Telephone 813-636-8200

REQUIRED:

1. USGS 7.5' MAP WITH STRUCTURES PINPOINTED IN RED
2. LARGE SCALE STREET OR PLAT MAP
3. PHOTO OF MAIN FACADE, PREFERABLY B&W, AT LEAST 3x5



SKETCH MAP





Location of 8PI11775

USGS Quadrangle: Tarpon Springs (1973 PR 1987)

CITY OF TARPON SPRINGS, FLORIDA
Heritage Preservation Board
Application for Certificate of Approval

Return to:
 Planning & Zoning Department
 324 E. Pine Street
 Tarpon Springs, FL 34689
 (727) 942-5611

(Please type or print clearly)

Property Owner(s)

Name CHESTNUT LAND TRUST		Email	
Address 911 CHESTNUT STREET			
City CLEARWATER		State FL	Zip 33756
Phone	Fax	Cellular	

Applicant

Name ARRYS ROOFING SVC / JAMES HOUSH		Email ecroat@arrysroofing.com	
Address 401 E SPRUCE STREET			
City TARPON SPRINGS		State FL	Zip 34689
Phone 7279389565	Fax	Cellular	

Agent (if applicable)

Name		Email	
Address			
City		State	Zip
Phone	Fax	Cellular	

General Information

Property Location or Address 227 HIBISCUS STREET					
Legal Description (attach additional sheets as necessary) NOBLITT'S G.E.LOT 4					
Tax Parcel Number(s) 12-27-15-60228-000-0040	<table border="1"> <tr> <th align="center" colspan="2">Current Designations of Property</th> </tr> <tr> <td>Land Use Category SINGLE FAMILY</td> <td>Zoning District</td> </tr> </table>	Current Designations of Property		Land Use Category SINGLE FAMILY	Zoning District
Current Designations of Property					
Land Use Category SINGLE FAMILY	Zoning District				
Current Use of Property	Contributing Structure? ☐ YES ☐ NO				

Type of Proposed Activity: [please check all that apply]

- | | | | |
|-------------------------------------|---|--|--------------------------------------|
| ☐ Demolition | ☐ Relocation * | ☐ Structural Addition | ☐ Driveway |
| ☐ Renovation | ☐ New Construction | ☒ New Roof | ☐ Other _____ |

*** If Relocation, please indicate new location:**

New Property Location or Address					
Legal Description (attach additional sheets as necessary)					
Tax Parcel Number(s)	<table border="1"> <tr> <th align="center" colspan="2">Current Designations of Property</th> </tr> <tr> <td>Land Use Category</td> <td>Zoning District</td> </tr> </table>	Current Designations of Property		Land Use Category	Zoning District
Current Designations of Property					
Land Use Category	Zoning District				

CITY OF TARPON SPRINGS, FLORIDA
Heritage Preservation Board
Application for Certificate of Approval

General Building Information

Year Built 1910	Architectural Style	Porches? ☐ YES ☐ NO
Original Use	Present Use	Proposed Use
Roof Type & Material SHINGLE	Exterior Siding Material	

Previous Additions or Modifications: [please describe and include dates]

Description of Proposed Work:

T/O SHINGLE ROOF, RE-NAIL DECK TO CODE, DRY IN WITH POLYGLASS MTS (FL5259.2), INSTALL PREMIER PERMA SHIELD METAL METAL ROOF PANELS (FL30343.2). 17 SQ, 10/12 & 4/12, 2 STORY.

For relocation or demolition, describe the property's physical condition, steps taken to save the property and whether renovation would be economically feasible:

Requirements for Submission:

Please submit those items which have been checked by City staff:

- ☐ Completed original application with digital copies of all application documents
- ☐ \$50.00 application fee plus advertisement costs which will be invoiced upon calculation by Staff
- ☐ \$50.00 application fee for signs only
- ☐ Property survey, signed and sealed by a professional land surveyor
- ☐ Architectural floor plans and elevations (10 copies)
- ☐ Site Plan for new construction (10 copies)
- ☐ Landscaping plan (10 copies)
- ☐ Details of exterior modifications

CITY OF TARPON SPRINGS, FLORIDA
Heritage Preservation Board
Application for Certificate of Approval

AFFIDAVIT

I (we), the undersigned, certify ownership of the property within this application, that said ownership has been fully divulged, whether such ownership by contingent or absolute, and that the name of all parties to an existing contract for sale or any options are filed with this application.

I (we) certify that Arus Borina / Janes Borina AGENT is (are) duly designated as the agent(s) for the owner, that the agent(s) is (are) authorized to provide subject matter on the application contained herein, whether verbal or written, and appear at any public hearing(s) involving this petition.

I (we) assent to the City's Comprehensive Plan as it applies to the property. Further, it is understood that this application must be complete and accurate and the appropriate fee paid prior to processing.

Date: 7/9/24

Title Holder/Property Owner: Matthew Horst

Date: _____

Title Holder/Property Owner: _____

Date: _____

Title Holder/Property Owner: _____

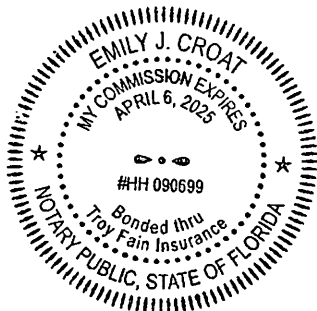
Date: _____

Title Holder/Property Owner: _____

STATE OF FLORIDA)

COUNTY OF PINELLAS)

The foregoing instrument was acknowledged before me this 9 day of July, A.D., 2024
by Matthew Horst, who is personally known to me or who has produced
PROPERTY OWNER NAME PRINTED
_____ as identification and who did (did not) take an oath.



NOTARY PUBLIC

Name: _____

Signature: _____

Stamp: _____

CITY OF TARPON SPRINGS, FLORIDA
Heritage Preservation Board
Application for Certificate of Approval

In reviewing an application for a Certificate of Approval, the Board shall consider the following Standards for Review:

- (1) The height and width of any proposed alteration or new construction shall be consistent with that of adjacent contributing structures and with those structures of similar character and architectural style found throughout the immediate neighborhood or the district.*
- (2) The width and height of windows, doors, and entries shall be consistent with the character of the building's original architectural style. Repair or replacement of missing architectural features such as windows, mullions, doors, entries, hand rails, etc., should be based on accurate duplications, substantiated by historic, physical or pictorial evidence rather than on conjectural designs or the availability of different architectural elements from other buildings or structures.*
- (3) The relationship of a structure within an historic or cultural preservation district to the open space between it and the street and to other buildings or scenic views, vistas or streetscapes characterizing the area, shall be protected through a site plan review process addressing setbacks, roof lines, garage placement, parking and access analysis and the use of landscaping.*
- (4) The shape and texture of the roof shall replicate the shape, texture and type of roof distinguishing the building's original architecture and on structures of similar style and age within the Historic and Cultural Preservation District.*
- (5) The size and mass (or shape) of the building after alteration shall be reflective of the building's original architectural style. The size and mass (or shape) of a proposed structure (new construction) should reflect the character of contributing buildings within the District as well as those immediately surrounding the subject property and shall include review of architectural elements such as roof lines, fenestration, and other components of facade design.*
- (6) Landscaping shall be utilized as a means to enhance the architectural character and appearance of the structure or traditional cultural property and to protect and define open spaces and pedestrian ways within Historic and Cultural Preservation Districts.*
- (7) Distinctive architectural features shall be repaired rather than replaced, wherever possible. Architectural details, including color, materials, texture, and site lighting shall be treated so as to make the building, structure, or traditional cultural property consistent with the property's original architectural style and character. New materials should replicate the material being replaced in composition, design, color, texture and other visual qualities.*
- (8) All buildings, structures, sites and traditional cultural properties shall be recognized as products of their own time. Alterations, modifications or other changes to a structure or traditional cultural property shall not attempt to create an earlier appearance than the original date of construction. Changes which may have taken place in the course of time are evidence of the history and development of the subject property and may have acquired significance in their own right. This significance shall be recognized and respected.*
- (9) The renovation of contributing structures in an historic or cultural district or designated sites shall meet the Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings.*
- (10) The proposed project shall conform with the other requirements of this Code and be in compliance with the applicable goals, objectives, and policies of the Comprehensive Plan.*
- (11) The impact upon archaeological sites shall preserve the integrity of the site.*

Permit Number _____

Parcel ID Number 12-27-15-60228-000-0040

NOTICE OF COMMENCEMENT

State of Florida

County of Pinellas

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property (legal description) NOBLITT'S, G.E. LOT 4

a. Street (job) Address 227 HIBISCUS ST TARPON SPRINGS, FL 34689

2. General description of improvements ROOF REPLACEMENT

3. Owner Information or Lessee Information if the Lessee contracted for the improvement

a. Name and address BOCA GRANDE NORTH LAND TRUST CHESTNUT LAND TRUST SERVICES

b. Name and address of fee simple titleholder (if different than Owner listed above) 911 Chestnut St.

c. Interest in property OWNER Clearwater, FL 33756

4. Contractor Information

a. Name and address ARRYS ROOFING SVC INC 401 E SPRUCE STREET, TARPON SPRINGS, F

b. Telephone No. _____

5. Surety (if applicable, a copy of the payment bond is attached)

a. Name and address _____

b. Telephone No. _____

c. Amount of Bond \$ _____

6. Lender

a. Name and address _____

b. Telephone No. _____

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7, Florida Statutes

a. Name and address _____

b. Telephone No. _____

8. In addition to himself or herself, Owner designates _____ of _____
to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

a. Telephone No. of Person or entity designated by Owner _____

9. Expiration date of notice of commencement (the expiration date may not be before the completion of construction and final payment to the contractor, but will be one (1) year from the date of recording unless a different date is specified _____, 20____)

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

Under penalty of perjury, I declare that I have read the foregoing notice of commencement and that the facts stated therein are true to the best of my knowledge and belief.

(Signature of Owner or Lessee, or Owner's or Lessee's Authorized Officer/Director/Partner/Manager)

Matthew Housh
(Print Name and Provide Signatory's Title/Office)

The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ on-line notarization, this 11th day of Jun, 2024 by Matthew Housh, as Owner

(type of authority, e.g. officer, trustee, attorney in fact) for _____

(name of party on behalf of whom instrument was executed).

Personally known ☒ OR Produced Identification ☐ Type of Identification Produced FLDL

SIGNATURE OF NOTARY

Emily J. Crout
PRINT NAME

HH090699

NOA Revised 10-2022

**CITY OF TARPON SPRINGS, FLORIDA
BUILDING PERMIT APPLICATION**

Print clearly or type. All boxes must be completed or marked N/A.

Rev 12/2023

Job Address 227 Hibiscus St.	Lot 4	Block	Subdivision Noblitt's
Parcel No. 12.27.15.60228.000.0040	Flood Zone & BFE *review section XI		Zoning District
Description of Work metal Re. Roof. 17A, 10/12.4/12 FL5259.2 1STORY FL30843.2			Value of Construction (as per FBC 109.3) (total cost including labor and materials) \$ 9,350 - ☐ Check if over \$1,000,000 and see Section X for Public Art Acknowledgment guidelines.

Will a Private Provider be Utilized for this Project? Yes ☐ No ☒	Will the Private Provider be utilized for plan review? ☐	Will the Private Provider be utilized for Inspections? ☐
Contractor (Company Name) Arrys Roofing SVC		Phone (727) 938-9565
Company Address 401 E. Spruce St.	City Tarpon Springs	State FL Zip 34689
Email Address (Primary contact for this application) ecroat@arrysroofing.com		
License Holder Name James Housh	State (DBPR) License No. CC1326986	County (PCCLB) License No. 1CC1326986

Property Owner's Name Chestnut Land Trust SVC LLC	Phone ()
Property Owner's Address 911 Chestnut St.	City Clearwater State FL Zip 33756
Email Address	

Tenant or Lessee Name INDICATE TYPE OF BUSINESS:	Phone ()
Address	City State Zip

Architect/Engineer's Name	Florida License No.
Address	City State Zip

IMPORTANT NOTICES TO APPLICANT:

I. The code in effect in this jurisdiction is the 2023 Florida Building Code, 8th Edition.

II. In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management districts, state agencies, or federal agencies.

III. An application for a permit for any proposed work shall be deemed to have been abandoned, becoming null and void 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued, except that the building official is

**CITY OF TARPON SPRINGS, FLORIDA
BUILDING PERMIT APPLICATION**

authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing prior to the abandonment date and justifiable cause demonstrated, as per FBC 105.3.2.

IV. A permit issued shall be construed to be a license to proceed with the work and not as authority to violate, cancel, alter, or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction, or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced, as per FBC 105.4.1.

V. Every permit issued shall become invalid unless the work on the site authorized by such permit is commenced within 180 days after its issuance or if the work authorized on the site by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced. Failure to obtain an approved inspection within 180 days of the previously approved inspection shall constitute suspension or abandonment. The building official is authorized to grant, in writing, one or more extensions of time for periods not more than 180 days each. The extension shall be requested in writing, and justifiable cause demonstrated. Permits issued for the demolition of a structure shall expire sixty (60) days from the date of issuance. For a justifiable cause, one (1) extension of time for a period not exceeding thirty (30) days may be allowed. Such request shall be in writing to the building official.

VI. Application is hereby made to obtain a permit to do the work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards of all laws regulating construction in this jurisdiction. I understand that a separate permit must be secured for ELECTRICAL WORK, PLUMBING, SIGNS, WELLS, POOLS, FURNACES, BOILERS, HEATERS, TANKS, and AIR CONDITIONERS, etc.

VII. OWNER'S AFFIDAVIT: I certify that all the foregoing information is accurate and that all work will be done in compliance with all applicable laws and local ordinances regulating construction and zoning.

VIII. WARNING TO OWNER: Your failure to record a NOTICE OF COMMENCEMENT may result in your paying twice for improvements to your property. A Notice of Commencement must be recorded and certified and submitted to the Building Department prior to the first inspection. A Notice of Commencement is required for any job valued greater than \$5,000 (greater than \$15,000 to repair or replace an existing heating or air-conditioning system), as per F.S. 713.135.

IX. IF YOU INTEND TO OBTAIN FINANCING, consult with your lender or an attorney before commencing work or recording your NOTICE OF COMMENCEMENT.

X. PUBLIC ART ACKNOWLEDGEMENT – Article XVII of the Comprehensive Zoning and Land Development Code. Sec 296.00 ART DESIGN STANDARDS FOR DEVELOPMENT AND REDEVELOPMENT of projects with a valuation of \$1,000,000 or more.

XI. FLOOD – Article VI of the Code of Ordinances, Section 6-64.4. PERMITS. For development wholly or partially within any flood hazard area, you may be required to pay an additional Floodplain Development permit fee, which will be determined and applied during plan review. A sealed survey with elevations, an elevation certificate, or other floodplain development documentation may be required.

XII. ASBESTOS –The enforcing agency shall require each building permit for demolition or renovation of an existing structure to contain an asbestos notification statement that indicates the owners' or operators' responsibility to comply with the provisions of section 469.003, FS and notify that department, as per FBC 105.9.

By signing below the property owner/agent and contractor do hereby acknowledge that they have read and understand the above.

X *James H. Croft*
Signature of Property Owner/Agent

Sworn to and subscribed before me by *James H. Croft*
this 18 day of Jan, 2024.

☒ Personally known to me, or
☐ Produced identification: _____

Notary's Signature *Emily J. Croft*
NOTARY STAMP:

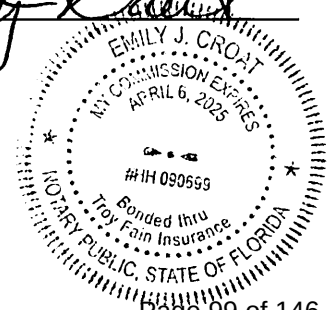


X *James H. Croft*
Signature of Contractor

Sworn to and subscribed before me by *James H. Croft*
this 18 day of Jan, 2024.

☒ Personally known to me, or
☐ Produced identification: _____

Notary's Signature *Emily J. Croft*
NOTARY STAMP:



**CITY OF TARPON SPRINGS, FLORIDA
BUILDING PERMIT APPLICATION**

Print clearly or type. All boxes must be completed or marked N/A.

Rev 12/2023

Job Address 227 Hibiscus St.	Lot 4	Block	Subdivision Noblitt's
Parcel No. 12.27.15.60228.000.0040	Flood Zone & BFE *review section XI		Zoning District
Description of Work metal Re-Roof. 17x, 10/12.4/12 FL5259.2 1STORY FL30843.2			Value of Construction (as per FBC 109.3) (total cost including labor and materials) \$ 9,850 — ☐ Check if over \$1,000,000 and see Section X for Public Art Acknowledgment guidelines.

Will a Private Provider be Utilized for this Project? Yes ☐ No ☒	Will the Private Provider be utilized for plan review? ☐	Will the Private Provider be utilized for Inspections? ☐	
Contractor (Company Name) Arrys Roofing SVC		Phone (727) 938-9565	
Company Address 401 E. Spruce St.	City Tarpon Springs	State FL	Zip 34689
Email Address (Primary contact for this application) ecroat@arrysroofing.com			
License Holder Name James Housh	State (DBPR) License No. CC1326986	County (PCCLB) License No. 1CC1326986	

Property Owner's Name Chestnut Land Trust SVC LLC		Phone ()	
Property Owner's Address 911 Chestnut St.	City Clearwater	State FL	Zip 33756
Email Address			

Tenant or Lessee Name INDICATE TYPE OF BUSINESS:		Phone ()	
Address	City	State	Zip

Architect/Engineer's Name		Florida License No.	
Address	City	State	Zip

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**CITY OF TARPON SPRINGS, FLORIDA
BUILDING PERMIT APPLICATION**

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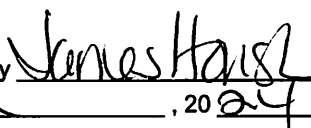
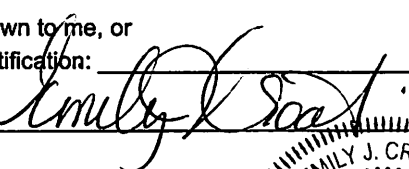
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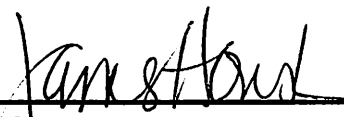
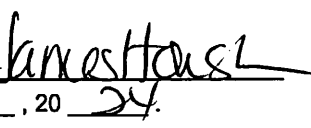
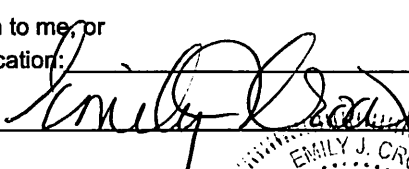
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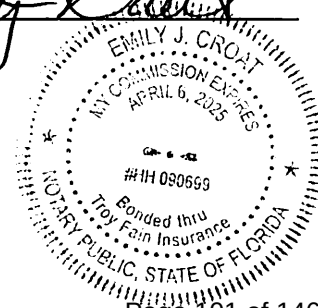
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By signing below the property owner/agent and contractor do hereby acknowledge that they have read and understand the above.

X 
Signature of Property Owner/Agent
Sworn to and subscribed before me by 
this 18 day of Jan, 2024.
☒ Personally known to me, or
☐ Produced identification: _____
Notary's Signature 
NOTARY STAMP:



X 
Signature of Contractor
Sworn to and subscribed before me by 
this 18 day of Jan, 2024.
☒ Personally known to me, or
☐ Produced identification: _____
Notary's Signature 
NOTARY STAMP:





City of Tarpon Springs

Comment Report

324 E. Pine Street, Tarpon Springs, FL, 34689 Telephone: 727-942-5617

Project	24-1341 HIBISCUS HOUSE RE-ROOF
Project Address	227 HIBISCUS St TARPON SPRINGS, FL 34689 United States
Files and Attachments	Product Approval Spec Sheet.pdf 1st Submittal

Instructions

The comments listed below require correction or clarification. Each line item includes a comment and sheet number, if applicable, for easy reference to the marked up plans. Please resubmit all revised plans using the same filename as the original submittal unless otherwise noted.

Planning and Zoning

[Comment 00001 | Product Approval Spec Sheet.pdf]

Caroline Lanford

The subject property is a contributing structure in the local historic district. A Certificate of Approval from the Heritage Preservation Board is required for a change of roofing materials. Either revise plans to replace roof with shingles or submit an application for a Certificate of Approval.

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administration Code 61G20-3.006, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a permit. We recommend you contact your local supplier should you not know the product approval number for any of the applicable listed products.

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1.EXTERIOR DOORS			
A.SWINGING			
B. SLIDING			
C. SECTIONAL			
D. ROLL UP			
E. AUTOMATIC			
F. OTHER			
2. WINDOWS			
A. SINGLE HUNG			
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. DOUBLE HUNG			
E. FIXED			
F. AWNING			
G. PASS THROUGH			
H. PROJECTED			
I.MULLION			
J.WIND BREAKER			
K. DUAL ACTION			
L. IMPACT WINDOWS			
3.PANEL WALL			
A. SIDING			
B.SOFFITS			
C. SHAKE			
D. STOREFRONTS			
E. CURTAIN WALLS			
F.WALL LOUVER			
G. GLASS BLOCK			
H. MEMBRANE			
I. GREENHOUSE			
J. VINYL SIDING			
K. SIDING OPTIONAL			
4. ROOFING PROD.			
A. ASPHALT SHINGLES			
B. UNDERLAYMENT	Polyglass	MTS	FL5859.2
C. ROOFING FASTENING			
D. ROOF FASTENING	Premier	PermaShield	FL30343.2
E.METAL ROOF			
F. ROOFING TILES			
G.ROOFING INSULATION			
H. WATERPROOFING			
I.BUILT UP ROOFING ROOF SYSTEMS			
J. RIDGE VENT			
K. SGL PLY ROOF SYSTEM			
L. ROOFING SLATE			

FLORIDA DEPARTMENT OF

Business & Professional Regulation



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Product Approval

USER: Public User

Product Approval Menu > Product or Application Search > Application List

OFFICE OF THE SECRETARY

Search Criteria

Refine Search

Code Version	2023	FL#	5259
Application Type	ALL	Product Manufacturer	ALL
Category	ALL	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired	ALL
Product Model, Number or Name	ALL	Product Description	ALL
Approved for use in HVHZ	ALL	Approved for use outside HVHZ	ALL
Impact Resistant	ALL	Design Pressure	ALL
Other	ALL		

Search Results - Applications				
FL#	Type	Manufacturer	Validated By	Status
FL5259-R41 History	Revision	POLYGLASS USA Category: Roofing Subcategory: Underlayments	John W. Knezevich, PE (954) 772-6224	Approved

*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

Contact Us :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

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Product Approval Accepts:



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USER: Public User[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail****OFFICE OF THE
SECRETARY**

FL #	FL5259-R41
Application Type	Revision
Code Version	2023
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer	POLYGLASS USA
Address/Phone/Email	1111 W. Newport Center Drive Deerfield Beach, FL 33442 (954) 233-1330 Ext 242 malpert@polyglass.com
Authorized Signature	Maury Alpert malpert@polyglass.com
Technical Representative	TECH REP
Address/Phone/Email	1111 West Newport Center Drive Deerfield Beach, FL 33442 (866) 802-8017 uspolyglasstechnical@polyglass.com
Quality Assurance Representative	QA REP
Address/Phone/Email	1111 West Newport Center Drive Deerfield Beach, FL 33442 (888) 410-1375 uspolyglasstechnical@polyglass.com
Category	Roofing
Subcategory	Underlayments
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer ☐ Evaluation Report - Hardcopy Received
Florida Engineer or Architect Name who developed the Evaluation Report	Robert Nieminen
Florida License	PE-59166
Quality Assurance Entity	UL LLC
Quality Assurance Contract Expiration Date	12/04/2026
Validated By	John W. Knezevich, PE ☒ Validation Checklist - Hardcopy Received
Certificate of Independence	FL5259_R41_COI_2023_07_COI_NIEMINEN.pdf

Referenced Standard and Year (of Standard)

Standard	Year
ASTM D1970	2017
ASTM D226	2017
ASTM D2626	2012
ASTM D3746	2015
ASTM D4601	2012
ASTM D4798	2011

ASTM D6163	2016
ASTM D6164	2016
ASTM D6222	2016
ASTM D6509	2016
FM 4474	2011
FRSA/TRI, 7th Edition	2023
TAS 103	2020
UL 1897	2015

Equivalence of Product Standards
Certified By

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted 09/08/2023
Date Validated 09/15/2023
Date Pending FBC Approval 09/19/2023
Date Approved 12/12/2023

Summary of Products

FL #	Model, Number or Name	Description
5259.1	Polyglass Roof Underlayments (HVHZ)	Roof underlayments for use in FBC HVHZ jurisdictions.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: No Impact Resistant: N/A Design Pressure: +N/A/-622.5 Other: 1.) The design pressure in this application relates to one underlayment system having documented uplift per Section 7 of TAS 103. Refer to PEER Section 5.8 for other systems and associated maximum design pressures. 2.) Refer to PEER Section 5 for other limits of use.		Installation Instructions FL5259_R41_II_2023_09_08_FINAL_PEER-PLYG-002.B_HVHZ_FL5259-R41.pdf Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes Evaluation Reports FL5259_R41_AE_2023_09_08_FINAL_PEER-PLYG-002.B_HVHZ_FL5259-R41.pdf Created by Independent Third Party: Yes
5259.2	Polyglass Roof Underlayments (NON-HVHZ)	Roof underlayments, for use in FBC NON-HVHZ jurisdictions.
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-622.5 Other: 1.) The design pressure in this application relates to one underlayment system for use in tile roof systems per FRSA/TRI Manual. Refer to PEER Section 5.8 for other systems and associated maximum design pressures. 2.) Refer to PEER Section 5 for other limits of use.		Installation Instructions FL5259_R41_II_2023_09_15_FINAL_PEER-PLYG-002.A_NON-HVHZ_FL5259-R41.pdf Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes Evaluation Reports FL5259_R41_AE_2023_09_15_FINAL_PEER-PLYG-002.A_NON-HVHZ_FL5259-R41.pdf Created by Independent Third Party: Yes

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[Next](#)

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Product Approval Accepts:





NEMO|etc.

Certificate of Authorization #32455
353 Christian Street, Unit #13
Oxford, CT 06478
(203) 262-9245

ENGINEER

EVALUATE

TEST

CONSULT

P.E. EVALUATION REPORT (PEER)

Polyglass USA, Inc.

1111 West Newport Center Drive
Deerfield Beach, FL 33442
(954) 233-1330

PEER-PLYG-002.A-R38

FL5259-R41 (NON-HVHZ)

Date of Issuance: 02/24/2009

Revision 38: 09/15/2023

SCOPE:

This P.E. Evaluation Report (henceforth 'PEER') is issued under F.A.C. [Rule 61G20-3](#) and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for use of the product under the Florida Building Code. The product described herein has been evaluated for compliance with the 8th Edition (2023) Florida Building Code [sections noted herein](#).

DESCRIPTION: Polyglass Roof Underlayments (NON-HVHZ)

LABELING: Labeling shall be in accordance with the requirements the Accredited Quality Assurance Agency noted herein and [FBC 1507.1.1](#).

CONTINUED COMPLIANCE: This PEER is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our PEERs by the named client constitutes agreement to notify NEMO ETC, LLC of any changes to the product(s), the Quality Assurance or the production facility location(s). NEMO ETC, LLC requires a complete review of its PEER relative to updated Code requirements with each Code Cycle.

ADVERTISEMENT: The Florida Product Approval Number (FL#) preceded by the words "NEMO P.E. Evaluated" may be displayed in advertising literature. If any portion of the PEER is displayed, then it shall be done in its entirety.

INSPECTION: Upon request, a copy of this entire PEER shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This PEER consists of pages 1 through 17.

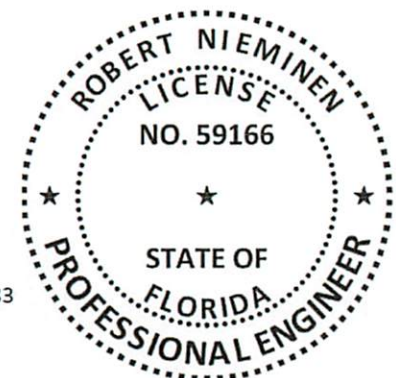
Prepared by:

Digitally signed by
Robert Nieminen
Date: 2023.09.15
'08:36:16 -04'00

This item has been digitally signed and sealed by Robert Nieminen, P.E.

Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copies.

Robert Nieminen, Florida P.E. 59166, FBC ANE1983
NEMO ETC, LLC, Florida CA #32455



CERTIFICATION OF INDEPENDENCE:

1. NEMO ETC, LLC does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
2. NEMO ETC, LLC is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
3. Robert Nieminen, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the PEERs are being issued.
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ROOFING COMPONENT EVALUATION:
1. SCOPE:

Product Category: Roofing
Sub-Category: Underlayment
Product Approval Method: Method 1, Option D – Codified Material, Evaluation by Engineer
Compliance Statement: Roof Underlayments, as produced by Polyglass USA, Inc., have demonstrated compliance with the following sections of the 8th Edition (2023) Florida Building Code through testing in accordance with the following Standards. Compliance is subject to the [Installation Requirements](#) and [Limitations of Use](#) set forth herein.

2. STANDARDS:

SECTION	PROPERTY	STANDARD	YEAR
1504.3.1	Wind resistance	FM 4474	2011
1504.3.1	Wind resistance	UL 1897	2015
1504.7	Impact resistance	ASTM D3746	2015
1507.1.1 / R905.1.1	Material standard	ASTM D226	2017
T1507.10.2 / TR905.9.2	Material standard	ASTM D2626	2012
1507.1.1, 1507.2.9.2 / R905.1.1, R905.2.8.2	Material standard	ASTM D1970	2017
1507.3.3 / R905.3.3	Material standard	FRSA/TRI, Seventh Edition	2023
1507.10.2	Material standard	ASTM D4601	2012
1507.11.2 / R905.11.2	Material standard	ASTM D6163	2016
1507.11.2 / R905.11.2	Material standard	ASTM D6164	2016
1507.11.2 / R905.11.2	Material standard	ASTM D6222	2016
1507.11.2 / R905.11.2	Material standard	ASTM D6509	2016
TAS 110	Accelerated Weathering	ASTM D4798	2011
TAS 110	Material standard	TAS 103	2020 (from 2023 Code)

3. REFERENCES:

ENTITY	EXAMINATION	REFERENCE	DATE	ENTITY	EXAMINATION	REFERENCE	DATE
ERD (TST 6049)	ASTM D6164	P37590.03.13-3A	03/06/13	NEMO (TST 6049)	ASTM D1970	4j-PLYG-22-SSUDL-01.A	09/08/22
ERD (TST 6049)	ASTM D1970 (adhesion)	P45370.09.13	09/18/13	NEMO (TST 6049)	ASTM D1970	4j-PLYG-22-SSUDL-02.A	09/08/22
ERD (TST 6049)	ASTM D1623, TAS 103, TAS 114(C)	P45270.05.14	05/12/14	NEMO (TST 6049)	ASTM D4798, D3746	4j-PLYG-22-SSUDL-06.A	06/14/23
ERD (TST 6049)	ASTM D1623	P46520.10.14	10/03/14	NEMO (TST 6049)	FRSA/TRI	4j-PLYG-22-SSUDL-01.B	03/31/23
ERD (TST 6049)	FRSA/TRI	P44360.10.14-R1	10/07/14	NEMO (TST6049)	ASTM D6509	4q-PLYG-22-SSMBB-01.A	06/14/23
ERD (TST 6049)	FRSA/TRI	PLYG-SC7550.03.15	03/24/15	NEMO (TST6049)	ASTM D226, D2626	4j-PLYG-23-SSMBB-05	06/23/23
ERD (TST 6049)	ASTM D1623	P40390.04.15	04/03/15	NEMO (TST6049)	ASTM D6164	4q-PLYG-22-SSMBB-01.D	07/28/23
ERD (TST 6049)	ASTM D1623, TAS 103	PLYG-SC10130.06.16-2	06/27/16	PRI (TST5878)	ASTM D4601	MSA-039-02-03	09/27/17
ERD (TST 6049)	ASTM D1970, D4798	PLYG-SC10130.06.16-1	06/27/16	PRI (TST5878)	ASTM D1623, TAS 103	DAPF-002-01	03/08/18
ERD (TST 6049)	FRSA/TRI	PLYG-SC10130.06.16-3	06/27/16	ERD (TST 6049)	Wind Uplift	11757.04.01-1-R1	04/25/01
ERD (TST 6049)	FRSA/TRI (tile slippage)	PLYG-SC13040.12.16	12/27/16	ERD (TST 6049)	Wind Uplift	11757.08.01-1	08/13/01
ERD (TST 6049)	FRSA/TRI (tile slippage)	PLYG-SC12115.08.17	08/08/17	ERD (TST 6049)	Wind Uplift	11776.06.02	01/16/03
ERD (TST 6049)	FRSA/TRI	PLYG-SC13035.08.17	10/31/17	ERD (TST 6049)	Wind Uplift	P1740.01.07	01/04/07
NEMO (TST 6049)	ASTM D1970	4-PLYG-18-004.03.18	03/29/18	ERD (TST 6049)	Wind Uplift	P1738.02.07-R2	02/05/07
NEMO (TST 6049)	ASTM D1623, TAS 103	4S-ICP-18-001.07.18-R1	07/23/18	ERD (TST 6049)	Wind Uplift	P9260.03.08	03/21/08
NEMO (TST 6049)	ASTM D6163	4S-PLYG-18-002.01.19-A	01/24/19	ERD (TST 6049)	Wind Uplift	P30540.11.09-R1	11/23/09
NEMO (TST 6049)	ASTM D6222	4S-PLYG-18-002.05.19-C	05/20/19	ERD (TST 6049)	TAS 117(B), TAS 114(C)	P11030.11.09-2	11/30/09
NEMO (TST 6049)	FRSA/TRI	4S-PLYG-18-004.10.19-G	10/08/19	ERD (TST 6049)	TAS 114(J)	P39680.03.13	03/04/13
NEMO (TST 6049)	FRSA/TRI	4S-PLYG-18-004.10.19-I	10/08/19	ERD (TST 6049)	Wind Uplift	P41630.08.13	08/06/13
NEMO (TST 6049)	FRSA/TRI	4S-PLYG-18-004.10.19-L	10/09/19	ERD (TST 6049)	Wind Uplift	P11751.05.03-R1	11/26/13
NEMO (TST 6049)	FRSA/TRI	4S-PLYG-18-004.12.19-F	12/18/19	ERD (TST 6049)	Wind Uplift	P11781.11.03-R1	11/26/13
NEMO (TST 6049)	FRSA/TRI	4j-PLYG-19-SSUDL-02.A	01/02/20	ERD (TST 6049)	Wind Uplift	PLYG-SC8905.05.16-1	05/17/16
NEMO (TST 6049)	ASTM D6222	4S-PLYG-18-002.12.19-K-R1	01/07/20	ERD (TST 6049)	UL1897	PLYG-SC12025.10.16	10/12/16
NEMO (TST 6049)	ASTM D1970, D4798	4S-PLYG-18-004.01.20.H	01/14/20	FM (TST 1867)	Wind Uplift	FM 3004091	01/12/00



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ENTITY	EXAMINATION	REFERENCE	DATE	ENTITY	EXAMINATION	REFERENCE	DATE
NEMO (TST 6049)	ASTM D1970, D4798	4S-PLYG-18-004.01.20.K	01/14/20	FM (TST1867)	FM 4470/4474	PR454230 (DATA)	01/26/22
NEMO (TST 6049)	ASTM D6164	4S-PLYG-18-004.01.20.B	01/16/20	NEMO (TST 6049)	Wind Uplift	4L-PLYG-18-003.01.19	01/11/19
NEMO (TST 6049)	FRSA/TRI (tile slippage)	4S-PLYG-18-004.01.20.A	01/16/20	NEMO (TST6049)	UL1897	4a-PLYG-23-LSWUS-05.A	09/01/23
NEMO (TST 6049)	ASTM D1623, TAS 103	4p-DOW-19-SSLAP-01.A-R2	02/10/20	Polyglass USA	Materials Affidavit	Polystick Compound	08/18/11
NEMO (TST 6049)	FRSA/TRI	PLYG-SC15855.05.20.A	05/29/20	Polyglass USA	Materials Affidavit	Polystick Compound	01/13/21
NEMO (TST 6049)	FRSA/TRI	4j-PLYG-20-SSUDL-01	07/06/20	PRI (TST5878)	UL1897	708T0058-1	01/13/21
NEMO (TST 6049)	ASTM D6222	4q-PLYG-19-SSMBB-05.A	07/23/20	PRI (TST5878)	UL1897	708T0058-6	02/17/21
NEMO (TST 6049)	ASTM D4798, D1623	4j-PLYG-19-SSUDL-05.A	09/10/20	PRI (TST5878)	UL1897	708T0058-7	02/25/21
NEMO (TST 6049)	ASTM D1970	4j-PLYG-20-SSUDL-05.A	09/30/20	PRI (TST5878)	UL1897	708T0193.4	06/13/23
NEMO (TST 6049)	FRSA/TRI	4j-PLYG-20-SSUDL-05.C	09/30/20	PRI (TST5878)	UL1897	708T0193.1	06/15/23
NEMO (TST 6049)	FRSA/TRI	4j-PLYG-20-SSUDL-11.A	10/21/20	PRI (TST5878)	UL1897	708T0193.2	06/15/23
NEMO (TST 6049)	ASTM D1970, D4798	4S-PLYG-18-004.12.19.D	10/27/20	PRI (TST5878)	UL1897	708T0193.3	06/15/23
NEMO (TST 6049)	FRSA/TRI	4j-PLYG-19-SSUDL-01.A	11/18/20	PRI (TST5878)	UL1897	708T0167.1	06/20/23
NEMO (TST 6049)	ASTM D1623, TAS 103	4p-ICP-20-SSLAP-01.A	12/15/20	PRI (TST5878)	UL1897	708T0167.2	06/20/23
NEMO (TST 6049)	ASTM D1623, TAS 103	4p-ICP-20-SSLAP-03.A-R1	03/04/21	PRI (TST5878)	UL1897	708T0168.1	06/20/23
NEMO (TST 6049)	ASTM D4798, D1623	4j-PLYG-20-SSUDL-13.A	03/15/21	PRI (TST5878)	UL1897	708T0168.2	06/20/23
NEMO (TST 6049)	ASTM D1623, TAS 103	4j-PLYG-20-SSUDL-07.A	10/29/21	UL (QUA9625)	Traceability	ML File R14571	05/13/14
NEMO (TST 6049)	ASTM D1623, TAS 103	4j-PLYG-20-SSUDL-09.A	10/29/21	UL (QUA9625)	Quality Control	Service Confirmation (FL)	09/13/18
NEMO (TST 6049)	ASTM D1970, D4798	4j-PLYG-21-SSUDL-03.A	10/29/21	UL (QUA9625)	Quality Control	Service Confirmation (TX)	11/07/19
NEMO (TST 6049)	ASTM D1970	4j-PLYG-21-SSUDL-04.B	01/17/22	UL (QUA9625)	Quality Control	Service Confirmation (Italy)	04/24/23
NEMO (TST 6049)	ASTM D1970, D4798	4j-PLYG-21-SSUDL-03.A	04/21/22	UL (QUA9625)	Quality Control	Order 14853192 (Serbia)	06/15/23
NEMO (TST 6049)	FRSA/TRI	4j-PLYG-21-SSUDL-04.A.R1	07/05/22	UL (QUA9625)	Quality Control	Florida BCIS	Current

4. PRODUCT DESCRIPTION:

TABLE 1: EVALUATED UNDERLAYMENTS

PRODUCT	MATERIAL STANDARD	PLANT(S)	DESCRIPTION
Elastobase V	ASTM D6163	FL	Fiberglass-reinforced, SBS modified bitumen base sheet
Elastobase P	ASTM D6164	FL	Polyester-reinforced, SBS modified bitumen base sheet
Elastoflex S6 G	ASTM D6164 FRSA/TRI	FL, PA	Polyester-reinforced, SBS modified bitumen cap sheet
Elastoflex S6 G FR	ASTM D6164 FRSA/TRI	FL	Polyester-reinforced, SBS modified bitumen cap sheet
HydraGuard Dual Pro	ASTM D1970	FL	Nominal 60-mil thick dual-layer rubberized asphalt waterproofing membrane, fiberglass reinforced, with a polyester fabric surface
HydraGuard Tile Pro	ASTM D1970 FRSA/TRI TAS 103	FL	Nominal 60-mil thick dual-layer rubberized asphalt waterproofing membrane, fiberglass reinforced, with a polyester fabric surface
PolyAnchor HV	ASTM D226, D2626	Serbia	Nominal 55-mil thick, modified bitumen, glass-mat reinforced nailable anchor sheet and roof underlayment
Polyflex G	ASTM D6222 FRSA/TRI	FL	Polyester-reinforced, APP modified bitumen cap sheet
Polyflex G FR	ASTM D6222 FRSA/TRI	FL	Polyester-reinforced, APP modified bitumen cap sheet
Polyflex SA P	ASTM D6222 FRSA/TRI	FL, TX	Polyester-reinforced, APP modified bitumen cap sheet
Polyflex SA P FR	ASTM D6222 FRSA/TRI	FL, TX	Polyester-reinforced, APP modified bitumen cap sheet
Polybase V	ASTM D6509	FL	Fiberglass-reinforced, APP modified bitumen base sheet
Polyglass G2 Base Sheet	ASTM D4601	AL	Fiberglass-reinforced, asphaltic base sheet
Polystick IR-Xe	ASTM D1970	FL, PA, TX	Nominal 60-mil thick rubberized asphalt waterproofing membrane, glass fiber reinforced, with an aggregate surface

TABLE 1: EVALUATED UNDERLAYMENTS

PRODUCT	MATERIAL STANDARD	PLANT(S)	DESCRIPTION
Polystick MTS Plus	ASTM D1970 FRSA/TRI TAS 103	FL, NV, PA, TX, Ponte di Piave TV (Italy)	Nominal 60-mil thick rubberized asphalt waterproofing membrane, glass fiber reinforced, surfaced with polyolefinic film surface
Polystick TU Max	ASTM D1970 FRSA/TRI TAS 103	FL, PA, TX	Nominal 60-mil thick rubberized asphalt waterproofing membrane with a 190 g/m ² polyester fabric surface
Polystick TU P	FRSA/TRI TAS 103	FL, PA, TX	Nominal 130-mil thick rubberized asphalt waterproofing membrane, glass-fiber/polyester reinforced, with a granular surface
Polystick TU Plus	ASTM D1970 FRSA/TRI TAS 103	FL, PA, TX, Ponte di Piave TV (Italy)	Nominal 80-mil thick rubberized asphalt waterproofing membrane, glass fiber reinforced, with a polyester fabric surface
Polystick XFR	ASTM D1970 FRSA/TRI TAS 103	NV, TX	Nominal 80-mil thick rubberized asphalt waterproofing membrane, glass fiber reinforced, surfaced with a textured film surface

5. LIMITATIONS:

- 5.1 This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this PEER, or previous versions thereof, is/was used for permitting or design guidance. PEERs are not to be construed as representing any attributes not specifically listed, nor are PEERs to be construed as an endorsement of the subject, or a recommendation for its use. There is no warranty by NEMO ETC, LLC or Robert Nieminen, P.E., express or implied, as to any finding or other matter in this PEER, or as to any product covered by the PEER.
- 5.2 This PEER is not for use in FBC High Velocity Hurricane Zone jurisdictions, as defined in FBC Chapter 2 (Broward and Miami-Dade Counties).
- 5.3 This PEER pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.
- 5.4 This PEER does not include evaluation of fire classification. Refer to **FBC 1505** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.
- 5.5 **Polyglass Roof Underlayments** may be used with any prepared roof cover where the product is specifically referenced within FBC approval documents. If not listed, a request may be made to the Authority Having Jurisdiction for approval based on this evaluation combined with supporting data for the prepared roof covering.
- 5.6 Allowable Roof Covers:

TABLE 2: ROOF COVER OPTIONS

<u>FBC NON-HVHZ:</u>	1507.2	1507.3		1507.4 & 1507.5	1507.7	1507.8 & 1507.9
UNDERLAYMENT	ASPHALT SHINGLES	CLAY AND CONCRETE TILE		METAL	SLATE OR SLATE- TYPE SHINGLES	WOOD
		MECHANICAL ATTACH	ADHESIVE-SET			
Elastobase V	Yes (Alternate to D226, Type II)	Yes (as Base Sheet, See Table 4B)	Yes (as Base Sheet, See Table 4B)	Yes (Alternate to D226, Type II)	Yes (Alternate to D226, Type II)	Yes (Alternate to D226, Type II)
Elastobase P	Yes (Alternate to D226, Type II)	Yes (as Base Sheet, See Table 4B)	Yes (as Base Sheet, See Table 4B)	Yes (Alternate to D226, Type II)	Yes (Alternate to D226, Type II)	Yes (Alternate to D226, Type II)
PolyAnchor HV	Yes (Alternate to D226, Type II)	Yes (as Base Sheet, See Table 4B)	Yes (as Base Sheet, See Table 4B)	Yes (as Base Sheet beneath Polystick)	No	No
Polybase V	No	Yes (as Base Sheet, See Table 4B)	Yes (as Base Sheet, See Table 4B)	No	No	No

TABLE 2: ROOF COVER OPTIONS						
<u>FBC NON-HVHZ:</u>	1507.2	1507.3		1507.4 & 1507.5	1507.7	1507.8 & 1507.9
UNDERLAYMENT	ASPHALT SHINGLES	CLAY AND CONCRETE TILE		METAL	SLATE OR SLATE-TYPE SHINGLES	Wood
		MECHANICAL ATTACH	ADHESIVE-SET			
Polyglass G2 Base	No	Yes (as Base Sheet, See Table 4B)	Yes (as Base Sheet, See Table 4B)	No	No	No
Elastoflex S6 G	No	Yes	Yes (Table 2A)	No	No	No
Elastoflex S6 G FR	No	Yes	No	No	No	No
HydraGuard Dual Pro	Yes	No	No	Yes	Yes	Yes ¹
HydraGuard Tile Pro	Yes	Yes	Yes (Table 2A)	Yes	Yes	Yes ¹
Polyflex G	No	Yes	Yes (Table 2A)	No	No	No
Polyflex G FR	No	Yes	No	No	No	No
Polyflex SA P	No	Yes	Yes (Table 2A)	No	No	No
Polyflex SA P FR	No	Yes	Yes (Table 2A)	No	No	No
Polystick IR-Xe	Yes	No	No	No	Yes	Yes ¹
Polystick MTS Plus	Yes	Yes	No	Yes	Yes	Yes ¹
Polystick TU Max	No	Yes	Yes (Table 2A)	Yes	No	Yes ¹
Polystick TU P	No	Yes	Yes (Table 2A)	No	No	Yes ¹
Polystick TU Plus	Yes	Yes	Yes (Table 2A)	Yes	Yes	Yes ¹
Polystick XFR	Yes	Yes	No	Yes	Yes	Yes ¹

5.6.1 Adhesive-set tile is limited to use of the following underlayment / tile-adhesive combinations.

TABLE 2A: ALLOWABLE UNDERLAYMENT / TILE-ADHESIVE COMBINATIONS ²					
UNDERLAYMENT	TILE-ADHESIVE OPTIONS AND FLORIDA PRODUCT APPROVAL				
	DAP GLOBAL		DUPONT DE NEMOURS	ICP CONSTRUCTION	
	STORMBOND	STORMBOND 2	TILE BOND	POLYSET AH-160	POLYSET RTA-1
	FL14506	FL14506	FL22525	FL6332	FL6276
Elastoflex S6 G	No	No	No	Yes	Yes
Polyflex G	No	No	No	No	Yes
Polyflex SA P	No	No	No	Yes	Yes
Polyflex SA P FR	No	No	No	No	Yes
Polystick TU Max	No	Yes	Yes	Yes	Yes
Polystick TU P	Yes	Yes	No	Yes	Yes
Polystick TU Plus, HydraGuard Tile Pro	No	Yes	Yes	Yes	Yes

¹ Used as min. 3 ¼-inch wide joint-strips per FBC 1507.1.1.1(2) / FBC R905.1.1.1(2) or installed in full-coverage atop ASTM D226, Type II felt, Elastobase V, Elastobase P or PolyAnchor HV mechanically attached in accordance with FBC Table 1507.1.1.1 or FBC Residential Table R905.1.1.1.

² Refer to Tile Manufacturer's or Adhesive Manufacturer's Florida Product Approval for Overturning Moment Resistance Performance.

5.7 Allowable Substrates:

TABLE 3: SUBSTRATE OPTIONS FOR ADHERED UNDERLAYMENTS				
UNDERLAYMENT	APPLICATION	SUBSTRATES (DESIGNED TO MEET WIND LOADS FOR PROJECT)		
		TYPE	PRIMER	MATERIAL(S)
HydraGuard Dual Pro, HydraGuard Tile Pro, Polystick IR-Xe, Polystick MTS Plus, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick XFR, Polyflex SA P or Polyflex SA P FR	self-adhering	Deck / sheathing	(Optional) ASTM D41	plywood, OSB, Southern Yellow Pine or Huber Engineered Woods "ZIP System" Panels
			ASTM D41	structural concrete
		Insulation	(Optional) ASTM D41 or WB-3000	ASTM C1289 Type II Class 1 polyisocyanurate, ASTM C1289 Type V polyisocyanurate-composite, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board
		Base Sheet	N/A	ASTM D226, Type II felt, Elastobase V, Elastobase P or PolyAnchor HV
Elastoflex S6 G or Elastoflex S6 G FR	hot asphalt	Deck	ASTM D41	structural concrete
		Insulation	(Optional) ASTM D41	DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board
		Base Sheet	N/A	ASTM D226, Type II felt, Elastobase V, Elastobase P or Polyglass G2 Base
Polyflex G or Polyflex G FR	torch-applied	Deck	ASTM D41	structural concrete
		Insulation	(Optional) ASTM D41	DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board
		Base Sheet	N/A	Elastobase V, Elastobase P, Polyglass G2 Base or Polybase V

5.8 Attachment Limitations:

5.8.1 For use under mechanically attached NON-TILE prepared roof coverings, attachment shall be in accordance with the manufacturer's installation instructions subject to the following limitations:

- For mechanically attached underlayments or base sheets over wood sheathing, attachment shall be not less than **FBC 1507.1.1** or **R905.1.1**.
- For mechanically attached underlayments or base sheets over insulated steel deck, fasteners shall consist of FBC Approved steel-deck roofing screws fitted with stress plates (Category: Roofing; Subcategory: Roofing Fasteners), spaced as noted in **1507.1.1** or **R905.1.1**. Screws and stress plates shall come from the same Product Manufacturer.

5.8.2 Wind Resistance for Underlayment Systems in Tile Roof Applications:

The following wind uplift limitations apply to tile underlayment systems. The Maximum Design Pressure ('MDP') is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per **FBC 1504.9** has already been applied).

5.8.2.1 Direct-to-Deck:

The maximum design pressure for the selected assembly shall meet or exceed that required under **FRSA/TRI Manual, 7th Edition**, Appendix A or the critical (highest) design pressure determined in accordance with **FBC 1609** or **FBC Residential Chapter 3**.

TABLE 4A: ALLOWABLE DESIGN PRESSURES, DIRECT-TO-DECK UNDERLAYMENT IN TILE ROOF APPLICATIONS						
SYSTEM No.	DECK	PRIMER	JOINT TREATMENT	BASE PLY	CAP PLY	MDP (psf)
UDL-1.	OSB, APA rated sheathing, 24/16, Exposure 1, PS2, 7/16 category	None	Min. 4-inch wide strips of Elastoflex SA-V over all OSB joints	Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-52.5

**TABLE 4A: ALLOWABLE DESIGN PRESSURES,
DIRECT-TO-DECK UNDERLAYMENT IN TILE ROOF APPLICATIONS**

SYSTEM No.	DECK	PRIMER	JOINT TREATMENT	BASE PLY	CAP PLY	MDP (PSF)
UDL-2.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category or nominal 1-inch SYP wood plank	None	None	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-90.0
UDL-3.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category or nominal 1-inch SYP wood plank	PG100 or ASTM D41	None	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed within the seldedge-edge side laps using 12 ga. x 1¼" ring shank nails through 32 ga., 1-5/8" diameter tin caps spaced 12-inch o.c.	-97.5
UDL-4.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category or nominal 1-inch SYP wood plank	WB-3000	None	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed within the seldedge-edge side laps using 12 ga. x 1¼" ring shank nails through 32 ga., 1-5/8" diameter tin caps spaced 12-inch o.c.	-105.0
UDL-5.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category	(Optional) PG100 or ASTM D41	Min. 4-inch wide strips of Elastoflex SA-V over all plywood joints	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-135.0
UDL-6.	Nominal 1-inch wood plank	(Optional) PG100 or ASTM D41	None	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-150.0
UDL-7.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category	None	None	None	Polystick TU Max, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed within the seldedge-edge side laps using 12 ga. x 1¼" ring shank nails through 32 ga., 1-5/8" diameter tin caps spaced 12-inch o.c.	-165.0
UDL-8.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category	(Optional) PG100 at 0.5 gal/sq.	None	Polystick MTS Plus, self-adhered and back-nailed within the seldedge-edge side laps using 12 ga. x 1¼" ring shank nails through 32 ga., 1-5/8" diameter tin caps spaced 12-inch o.c.	Polystick TU Max, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed within the seldedge-edge side laps using 12 ga. x 1¼" ring shank nails through 32 ga., 1-5/8" diameter tin caps spaced 12-inch o.c.	-202.5
UDL-9.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category	PG100 at 0.5 gal/sq.	None	None	Polystick TU Max, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed within the seldedge-edge side laps using 12 ga. x 1¼" ring shank nails through 32 ga., 1-5/8" diameter tin caps spaced 12-inch o.c.	-255.0
UDL-10.	Structural concrete	PG100 or ASTM D41	None	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	HydraGuard Tile Pro, Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-202.5
UDL-11.	Structural concrete	PG100 or ASTM D41	None	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c. or Polyflex G, torch-applied and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-622.5

5.8.2.2 Mechanically-Attached Base Sheet:

The maximum design pressure for the selected assembly shall meet or exceed that required under **FRSA/TRI Manual, 7th Edition**, Appendix A or the critical (highest) design pressure determined in accordance with **FBC 1609** or **FBC Residential Chapter 3**.

Alternatively, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 design pressure determined in accordance with **FBC 1609** or **FBC Residential Chapter 3**. Elevated pressure zones shall employ an attachment density by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are [ANSI/SPRI WD1](#), [FM Loss Prevention Data Sheet](#) 1-29 or [Roofing Application Standard](#) RAS 117 or RAS 137. Assemblies marked with an asterisk* carry the limitations set forth in Section 2.2.10.1 of [FM Loss Prevention Data Sheet](#) 1-29 for enhancements.

**TABLE 4B: ALLOWABLE DESIGN PRESSURES,
2-PLY UNDERLAYMENT SYSTEMS IN TILE ROOF APPLICATIONS**

SYSTEM No.	DECK	BASE SHEET		BASE PLY	CAP PLY	MDP (PSF)
		TYPE	ATTACH			
UDL-12.	OSB, APA rated sheathing, 32/16, Exposure 1, PS2, 15/32 category	Elastobase V (poly-film top surface)	11 ga. x 1.25-inch long x 1-inch head diameter round metal cap nails; 6-inch o.c. at the 3-inch wide side laps and 6-inch o.c. at two (2) equally spaced staggered center rows.	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-30.0*
UDL-13.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category	Elastobase V (poly-film top surface)	11 ga. x 1.25-inch long x 1-inch head diameter round metal cap nails; 6-inch o.c. at the 3-inch wide side laps and 6-inch o.c. at two (2) equally spaced staggered center rows.	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-37.5*
UDL-14.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category	PolyAnchor HV	11 ga. x 1.25-inch long x 1-inch head diameter round metal cap nails; 6-inch o.c. at the 2-inch wide side laps and 6-inch o.c. at three (3) equally spaced staggered center rows.	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed using 11 ga. x 1.25-inch long x 1-inch head diameter round metal cap nails, max. 12-inch o.c.	-37.5
UDL-15.	Plywood, APA rated sheathing, 40/20, Exposure 1, PS1, 19/32 category	PolyAnchor HV	11 ga. x 1.25-inch long x 1-inch head diameter round metal cap nails; 8-inch o.c. at the 2-inch wide side laps and 8-inch o.c. at two (2) equally spaced staggered center rows.	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed using 11 ga. x 1.25-inch long x 1-inch head diameter round metal cap nails, max. 12-inch o.c.	-37.5
UDL-16.	Plywood, APA rated sheathing, 40/20, Exposure 1, PS1, 19/32 category	One (1) layer ASTM D226, Type II felt	11 ga. x 1.25-inch x 3/8-inch head diameter annular ring shank roofing nails with 32 ga., 1-5/8-inch diameter tin caps; 4-inch o.c. at the 2-inch wide side laps and 4-inch o.c. at two (2) equally spaced staggered center rows.	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-45.0*
UDL-17.	Plywood, APA rated sheathing, 40/20, Exposure 1, PS1, 19/32 category	Two (2) layers ASTM D226, Type II felt	11 ga. x 1.25-inch long x 3/8-inch head diameter annular ring shank roofing nails with 32 ga., 1-5/8-inch diameter tin caps; 9-inch o.c. at the 2-inch wide side laps and 9-inch o.c. at two (2) equally spaced staggered center rows.	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-45.0*

**TABLE 4B: ALLOWABLE DESIGN PRESSURES,
2-PLY UNDERLAYMENT SYSTEMS IN TILE ROOF APPLICATIONS**

SYSTEM No.	DECK	BASE SHEET		BASE PLY	CAP PLY	MDP (PSF)
		TYPE	ATTACH			
UDL-18.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category	Elastobase V (sanded top surface for hot-asphalt or torch-applied cap or poly-film surface for torch-applied cap)	Simplex MAXX Cap Fasteners (NOA 18-1227.05); 9-inch o.c. at the 2-inch wide side laps and 18-inch o.c. at two (2) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c. or Polyflex G, torch-applied and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-45.0
UDL-19.	OSB, APA rated sheathing, 24/16, Exposure 1, PS2, 7/16 category	Elastobase V (poly-film top surface)	12 ga. annular ring shank nails with 32 ga., 1-5/8" diameter tin caps; 6-inch o.c. at the 3-inch wide side laps and 6-inch o.c. at four (4) equally spaced staggered center rows.	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-45.0
UDL-20.	OSB, APA rated sheathing, 24/16, Exposure 1, PS2, 7/16 category	Elastobase V (sand top surface)	12 ga. annular ring shank nails with 32 ga., 1-5/8" diameter tin caps; 6-inch o.c. at the 3-inch wide side laps and 6-inch o.c. at four (4) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-45.0
UDL-21.	OSB, APA rated sheathing, 24/16, Exposure 1, PS2, 7/16 category	Elastobase V or Polybase V	12 ga. annular ring shank nails with 32 ga., 1-5/8" diameter tin caps; 6-inch o.c. at the 3-inch wide side laps and 6-inch o.c. at four (4) equally spaced staggered center rows.	None	Polyflex G, torch-applied and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-45.0
UDL-22.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category	Elastobase V (sanded top surface for hot-asphalt or torch-applied cap or poly-film surface for torch-applied cap)	Simplex MAXX Cap Fasteners (NOA 18-1227.05); 9-inch o.c. at the 2-inch wide side laps and 12-inch o.c. at two (2) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c. or Polyflex G, torch-applied and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-52.5
UDL-23.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category	Elastobase V (poly-film top surface)	Simplex Original Cap Nails; 6-inch o.c. at the 3-inch wide side laps and 6-inch o.c. at four (4) equally spaced staggered center rows.	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-52.5
UDL-24.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category	Elastobase V (sanded top surface for hot-asphalt or torch-applied cap or poly-film surface for torch-applied cap)	Simplex Original Cap Nails; 6-inch o.c. at the 3-inch wide side laps and 6-inch o.c. at four (4) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c. or Polyflex G, torch-applied and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-52.5
UDL-25.	Plywood, APA rated sheathing, 40/20, Exposure 1, PS1, 19/32 category	Elastobase V (sanded top surface for hot-asphalt or torch-applied cap or poly-film surface for torch-applied cap)	11 ga. x 1.25-inch long x 3/8-inch head diameter annular ring shank roofing nails with 32 ga., 1-5/8-inch diameter tin caps; 8-inch o.c. at the 4-inch wide side laps and 8-inch o.c. at three (3) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c. or Polyflex G, torch-applied and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-60.0

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2-PLY UNDERLAYMENT SYSTEMS IN TILE ROOF APPLICATIONS**

SYSTEM NO.	DECK	BASE SHEET		BASE PLY	CAP PLY	MDP (PSF)
		TYPE	ATTACH			
UDL-26.	Plywood, APA rated sheathing, 40/20, Exposure 1, PS1, 19/32 category	Elastobase V (sanded top surface for hot-asphalt or torch-applied cap or poly-film surface for torch-applied cap)	OMG #12 Standard Roofgrip with OMG Flat Bottom Metal Plates (FL699); 12-inch o.c. at the 4-inch wide side laps and 12-inch o.c. at two (2) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c. or Polyflex G, torch-applied and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-60.0
UDL-27.	OSB, APA rated sheathing, 24/16, Exposure 1, PS2, 7/16 category	Elastobase V (poly-film top surface)	Simplex MAXX Cap Fasteners (NOA 18-1227.05); 8-inch o.c. at the 3-inch wide side laps and 8-inch o.c. at three (3) equally spaced staggered center rows. PG100 or ASTM D41 primer applied to stress plates.	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-60.0
UDL-28.	OSB, APA rated sheathing, 24/16, Exposure 1, PS2, 7/16 category	Elastobase V (sand top surface)	Simplex MAXX Cap Fasteners (NOA 18-1227.05); 8-inch o.c. at the 3-inch wide side laps and 8-inch o.c. at three (3) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-60.0
UDL-29.	OSB, APA rated sheathing, 24/16, Exposure 1, PS2, 7/16 category	Elastobase V or Polybase V	Simplex MAXX Cap Fasteners (NOA 18-1227.05); 8-inch o.c. at the 3-inch wide side laps and 8-inch o.c. at three (3) equally spaced staggered center rows.	None	Polyflex G, torch-applied and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-60.0
UDL-30.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category	Polyglass G2 Base or Polybase V (requires use of torch-applied underlayment)	12 ga. x 1.25-inch long x 3/8-inch head diameter annular ring shank roofing nails with 32 ga., 1-5/8-inch diameter tin caps; 8-inch o.c. at the 4-inch wide side laps and 8-inch o.c. at four (4) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c. or torch-applied or Polyflex G, torch-applied and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-67.5
UDL-31.	OSB, APA rated sheathing, 40/20, Exposure 1, PS2, 19/32 category	Elastobase V (poly-film top surface)	TRUFAST Versa-Fast Fasteners & Plates (FL4500); two (2) screws per plate installed 180° into the holes of the plate, parallel to the width direction of the sheet; 12-inch o.c. at the 4-inch wide side laps and 12-inch o.c. at two (2) equally spaced staggered center rows.	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-67.5
UDL-32.	OSB, APA rated sheathing, 40/20, Exposure 1, PS2, 19/32 category	Elastobase V (sand top surface)	TRUFAST Versa-Fast Fasteners & Plates (FL4500); two (2) screws per plate installed 180° into the holes of the plate, parallel to the width direction of the sheet; 12-inch o.c. at the 4-inch wide side laps and 12-inch o.c. at two (2) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-67.5
UDL-33.	OSB, APA rated sheathing, 40/20, Exposure 1, PS2, 19/32 category	Elastobase V or Polybase V	TRUFAST Versa-Fast Fasteners & Plates (FL4500); two (2) screws per plate installed 180° into the holes of the plate, parallel to the width direction of the sheet; 12-inch o.c. at the 4-inch wide side laps and 12-inch o.c. at two (2) equally spaced staggered center rows.	None	Polyflex G, torch-applied and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-67.5

**TABLE 4B: ALLOWABLE DESIGN PRESSURES,
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SYSTEM No.	DECK	BASE SHEET		BASE PLY	CAP PLY	MDP (PSF)
		TYPE	ATTACH			
UDL-34.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category	PolyAnchor HV	12 ga. x 1.25-inch Simplex Original Cap Nails; 6-inch o.c. at the 4-inch wide side laps and 6-inch o.c. at four (4) equally spaced staggered center rows.	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed using 12 ga. x 1.25-inch long x 3/8-inch head diameter annular ring shank roofing nails with 32 ga., 1-5/8-inch diameter tin caps, max. 12-inch o.c.	-67.5
UDL-35.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category	Polyglass G2 Base or Polybase V (requires use of torch-applied underlayment)	Dekfast DF-#14-PH3 with DF-PLT-2-7/8-H (FL20311), OMG #14 Heavy Duty with OMG Acutrak Flat Bottom Plates (FL699), Trufast HD with Trufast 3-inch Insulation Plates (FL4500) or Simplex MAXX Cap Fasteners (NOA 18-1227.05); 10-inch o.c. at the 4-inch wide side laps and 10-inch o.c. at three (3) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c. or torch-applied or Polyflex G, torch-applied and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-75.0
UDL-36.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category	PolyAnchor HV	12 ga. x 1.25-inch long x 3/8-inch head diameter annular ring shank roofing nails with 32 ga., 1-5/8-inch diameter tin caps; 6-inch o.c. at the 2-inch wide side laps and 6-inch o.c. at three (3) equally spaced staggered center rows.	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed using 12 ga. x 1.25-inch long x 3/8-inch head diameter annular ring shank roofing nails with 32 ga., 1-5/8-inch diameter tin caps, max. 12-inch o.c.	-82.5
UDL-37.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category	Elastobase V (sanded top surface for hot-asphalt or torch-applied cap or poly-film surface for torch-applied cap)	Simplex MAXX Cap Fasteners (NOA 18-1227.05); 6-inch o.c. at the 2-inch wide side laps and 6-inch o.c. at two (2) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c. or Polyflex G, torch-applied and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-90.0
UDL-38.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category	Elastobase V (sanded top surface for hot-asphalt or torch-applied cap or poly-film surface for torch-applied cap)	OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3" Round Metal Plates or OMG AccuTrak Flat Bottom Metal Plates (FL699); 6-inch o.c. at the 4-inch wide side laps and 6-inch o.c. at three (3) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c. or Polyflex G, torch-applied and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-90.0
UDL-39.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category	Elastobase V (sanded top surface)	Trufast #12 DP or Trufast #14 HD with Trufast 3" Metal Insulation Plates (FL4500); 6-inch o.c. at the 4-inch wide side laps and 6-inch o.c. at three (3) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-90.0
UDL-40.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category	Polyglass G2 Base or Polybase V (requires use of torch-applied underlayment)	Dekfast DF-#14-PH3 with DF-PLT-2-7/8-H (FL20311), OMG #14 Heavy Duty with OMG Acutrak Flat Bottom Plates (FL699), Trufast HD with Trufast 3-inch Insulation Plates (FL4500) or Simplex MAXX Cap Fasteners (NOA 18-1227.05); 9-inch o.c. at the 4-inch wide side laps and 9-inch o.c. at four (4) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c. or torch-applied or Polyflex G, torch-applied and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-90.0

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2-PLY UNDERLAYMENT SYSTEMS IN TILE ROOF APPLICATIONS**

SYSTEM No.	DECK	BASE SHEET		BASE PLY	CAP PLY	MDP (PSF)
		TYPE	ATTACH			
UDL-41.	OSB, APA rated sheathing, 24/16, Exposure 1, PS2, 7/16 category	Elastobase V (poly-film top surface)	TRUFAST Versa-Fast Fasteners & Plates (FL4500); two (2) screws per plate installed 180° into the holes of the plate, parallel to the width direction of the sheet; 9-inch o.c. at the 2-inch wide side laps and 12-inch o.c. at two (2) equally spaced staggered center rows. PG100 or ASTM D41 primer applied to stress plates.	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-90.0
UDL-42.	OSB, APA rated sheathing, 24/16, Exposure 1, PS2, 7/16 category	Elastobase V (sand top surface)	TRUFAST Versa-Fast Fasteners & Plates (FL4500); two (2) screws per plate installed 180° into the holes of the plate, parallel to the width direction of the sheet; 9-inch o.c. at the 2-inch wide side laps and 12-inch o.c. at two (2) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-90.0
UDL-43.	OSB, APA rated sheathing, 24/16, Exposure 1, PS2, 7/16 category	Elastobase V or Polybase V	TRUFAST Versa-Fast Fasteners & Plates (FL4500); two (2) screws per plate installed 180° into the holes of the plate, parallel to the width direction of the sheet; 9-inch o.c. at the 2-inch wide side laps and 12-inch o.c. at two (2) equally spaced staggered center rows.	None	Polyflex G, torch-applied and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-90.0
UDL-44.	Plywood, APA rated sheathing, 40/20, Exposure 1, PS1, 19/32 category	Elastobase V (poly-film top surface)	11 ga. x 1.25-inch x 3/8-inch head diameter annular ring shank roofing nails with 32 ga., 1-5/8-inch diameter tin caps; 4-inch o.c. at the 4-inch wide side laps and 4-inch o.c. at four (4) equally spaced staggered center rows.	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-97.5
UDL-45.	OSB, APA rated sheathing, 40/20, Exposure 1, PS2, 19/32 category	Elastobase V (poly-film top surface)	Simplex MAXX Cap Fasteners (NOA 18-1227.05); 6-inch o.c. at the 4-inch wide side laps and 6-inch o.c. at four (4) equally spaced staggered center rows. PG100 or ASTM D41 primer applied to stress plates.	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-97.5
UDL-46.	OSB, APA rated sheathing, 40/20, Exposure 1, PS2, 19/32 category	Elastobase V (sand top surface)	Simplex MAXX Cap Fasteners (NOA 18-1227.05); 6-inch o.c. at the 4-inch wide side laps and 6-inch o.c. at four (4) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-97.5
UDL-47.	OSB, APA rated sheathing, 40/20, Exposure 1, PS2, 19/32 category	Elastobase V or Polybase V	Simplex MAXX Cap Fasteners (NOA 18-1227.05); 6-inch o.c. at the 4-inch wide side laps and 6-inch o.c. at four (4) equally spaced staggered center rows.	None	Polyflex G, torch-applied and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-97.5

**TABLE 4B: ALLOWABLE DESIGN PRESSURES,
2-PLY UNDERLAYMENT SYSTEMS IN TILE ROOF APPLICATIONS**

SYSTEM No.	DECK	BASE SHEET		BASE PLY	CAP PLY	MDP (PSF)
		TYPE	ATTACH			
UDL-48.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category	Elastobase V (sanded top surface for hot-asphalt or torch-applied cap or poly-film surface for torch-applied cap)	Simplex MAXX Cap Fasteners (NOA 18-1227.05); 6-inch o.c. at the 2-inch wide side laps and 6-inch o.c. at three (3) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c. or Polyflex G, torch-applied and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-105.0
UDL-49.	OSB, APA rated sheathing, 24/16, Exposure 1, PS2, 7/16 category	Elastobase V (poly-film top surface)	TRUFAST Versa-Fast Fasteners & Plates (FL4500); two (2) screws per plate installed 180° into the holes of the plate, parallel to the width direction of the sheet; 6-inch o.c. at the 4-inch wide side laps and 6-inch o.c. at three (3) equally spaced staggered center rows. PG100 or ASTM D41 primer applied to stress plates.	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-105.0
UDL-50.	OSB, APA rated sheathing, 24/16, Exposure 1, PS2, 7/16 category	Elastobase V (sand top surface)	TRUFAST Versa-Fast Fasteners & Plates (FL4500); two (2) screws per plate installed 180° into the holes of the plate, parallel to the width direction of the sheet; 6-inch o.c. at the 4-inch wide side laps and 6-inch o.c. at three (3) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-105.0
UDL-51.	OSB, APA rated sheathing, 24/16, Exposure 1, PS2, 7/16 category	Elastobase V or Polybase V	TRUFAST Versa-Fast Fasteners & Plates (FL4500); two (2) screws per plate installed 180° into the holes of the plate, parallel to the width direction of the sheet; 6-inch o.c. at the 4-inch wide side laps and 6-inch o.c. at three (3) equally spaced staggered center rows.	None	Polyflex G, torch-applied and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-105.0
UDL-52.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category	PolyAnchor HV	12 ga. x 1.25-inch long x 3/8-inch head diameter annular ring shank roofing nails with 32 ga., 1-5/8-inch diameter tin caps; 5-inch o.c. at the 4-inch wide side laps and 5-inch o.c. at four (4) equally spaced staggered center rows.	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed using 12 ga. x 1.25-inch long x 3/8-inch head diameter annular ring shank roofing nails with 32 ga., 1-5/8-inch diameter tin caps, max. 12-inch o.c.	-105.0
UDL-53.	Plywood, APA rated sheathing, 40/20, Exposure 1, PS1, 19/32 category	Elastobase V (poly-film top surface)	11 ga. x 1.25-inch x 3/8-inch head diameter annular ring shank roofing nails with 32 ga., 1-5/8-inch diameter tin caps; 6-inch o.c. at the 4-inch wide side laps and 6-inch o.c. at four (4) equally spaced staggered center rows. PG100 or ASTM D41 primer at all tin-caps.	Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-112.5
UDL-54.	Plywood, APA rated sheathing, 40/20, Exposure 1, PS1, 19/32 category	PolyAnchor HV	12 ga. x 1.25-inch long x 3/8-inch head diameter annular ring shank roofing nails with 32 ga., 1-5/8-inch diameter tin caps; 6-inch o.c. at the 2-inch wide side laps and 6-inch o.c. at three (3) equally spaced staggered center rows.	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed using 12 ga. x 1.25-inch long x 3/8-inch head diameter annular ring shank roofing nails with 32 ga., 1-5/8-inch diameter tin caps, max. 12-inch o.c.	-112.5



**TABLE 4B: ALLOWABLE DESIGN PRESSURES,
2-PLY UNDERLAYMENT SYSTEMS IN TILE ROOF APPLICATIONS**

SYSTEM No.	DECK	BASE SHEET		BASE PLY	CAP PLY	MDP (psf)
		TYPE	ATTACH			
UDL-55.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category	Elastobase V (sanded top surface for hot-asphalt or torch-applied cap or poly-film surface for torch-applied cap)	OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3" Round Metal Plates or OMG AccuTrac Flat Bottom Metal Plates (FL699); 6-inch o.c. at the 4-inch wide side laps and 6-inch o.c. at five (5) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c. or Polyflex G, torch-applied and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-120.0
UDL-56.	Plywood, APA rated sheathing, 32/16, Exposure 1, PS1, 15/32 category	Elastobase V (sanded top surface)	Trufast #12 DP or Trufast #14 HD with Trufast 3" Metal Insulation Plates (FL4500); 6-inch o.c. at the 4-inch wide side laps and 6-inch o.c. at five (5) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-120.0
UDL-57.	Plywood, APA rated sheathing, 40/20, Exposure 1, PS1, 19/32 category	PolyAnchor HV	12 ga. x 1.25-inch long x 3/8-inch head diameter annular ring shank roofing nails with 32 ga., 1-5/8-inch diameter tin caps; 5-inch o.c. at the 4-inch wide side laps and 5-inch o.c. at three (3) equally spaced staggered center rows.	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed using 12 ga. x 1.25-inch long x 3/8-inch head diameter annular ring shank roofing nails with 32 ga., 1-5/8-inch diameter tin caps, max. 12-inch o.c.	-120.0
UDL-58.	OSB, APA rated sheathing, 40/20, Exposure 1, PS2, 19/32 category	Elastobase V (poly-film top surface)	TRUFAST Versa-Fast Fasteners & Plates (FL4500); one (1) screw per plate in the center hole; 9-inch o.c. at the 4-inch wide side laps and 9-inch o.c. at four (4) equally spaced staggered center rows. PG100 or ASTM D41 primer applied to stress plates.	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-127.5
UDL-59.	OSB, APA rated sheathing, 40/20, Exposure 1, PS2, 19/32 category	Elastobase V (sand top surface)	TRUFAST Versa-Fast Fasteners & Plates (FL4500); one (1) screw per plate in the center hole; 9-inch o.c. at the 4-inch wide side laps and 9-inch o.c. at four (4) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-127.5
UDL-60.	OSB, APA rated sheathing, 40/20, Exposure 1, PS2, 19/32 category	Elastobase V or Polybase V	TRUFAST Versa-Fast Fasteners & Plates (FL4500); one (1) screw per plate in the center hole; 9-inch o.c. at the 4-inch wide side laps and 9-inch o.c. at four (4) equally spaced staggered center rows.	None	Polyflex G, torch-applied and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	-127.5
UDL-61.	Plywood, APA rated sheathing, 40/20, Exposure 1, PS1, 19/32 category	PolyAnchor HV	12 ga. x 1.25-inch long x 3/8-inch head diameter annular ring shank roofing nails with 32 ga., 1-5/8-inch diameter tin caps; 6-inch o.c. at the 4-inch wide side laps and 6-inch o.c. at four (4) equally spaced staggered center rows.	(Optional) Polystick MTS Plus, self-adhered and back-nailed in accordance with Polyglass' installation instructions, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick MTS Plus, self-adhered and back-nailed using 12 ga. x 1.25-inch long x 3/8-inch head diameter annular ring shank roofing nails with 32 ga., 1-5/8-inch diameter tin caps, max. 12-inch o.c.	-135.0

5.9 Exposure Limitations:

TABLE 5: EXPOSURE LIMITATIONS		
UNDERLAYMENT	PREPARED ROOF COVER INSTALLATION TYPE	MAXIMUM EXPOSURE (DAYS)
Elastobase V, Elastobase P, Polyglass G2 Base, Polybase V or PolyAnchor HV	Mechanically attached	30
Polystick IR-Xe	Mechanically attached	90
HydraGuard Dual Pro, Polystick MTS Plus, Polystick TU Max, Polystick TU P or Polystick XFR	Any type (per Table 2)	180
HydraGuard Tile Pro or Polystick TU Plus	Any type (per Table 2)	360
Elastoflex S6 G, Elastoflex S6 G FR, Polyflex G, Polyflex G FR, Polyflex SA P or Polyflex SA P FR	Adhesive-set tile roof system	180
	Mechanically attached	UNLIMITED

5.10 Tile Slippage Limitations: When loading roof tiles on the underlayment, the maximum roof pitch shall be as follows. These pitch limitations can only be exceeded by using battens or loading boards during loading of the roof tiles.

TABLE 6: TILE SLIPPAGE LIMITATIONS			
UNDERLAYMENT	TILE PROFILE	STAGING METHOD	MAXIMUM STAGING PITCH
Elastoflex S6 G or S6 G FR	Flat or Lugged	6-tile stack (4 over 2)	Prohibited without battens
HydraGuard Tile Pro	Flat or Lugged	6-tile stack (4 over 2)	7:12
Polyflex G or G FR	Flat or Lugged	6-tile stack (4 over 2)	4:12
Polyflex SA P or SA P FR	Flat or Lugged	6-tile stack (4 over 2)	4:12
Polystick MTS Plus	Flat	6-tile stack (4 over 2)	5:12
	Lugged	6-tile stack (4 over 2)	4:12
Polystick TU Max	Flat	6-tile stack (4 over 2) or 10-tile stack	7:12
	Lugged	6-tile stack (4 over 2)	7:12
	Lugged	10-tile stack	6:12
Polystick TU P	Flat or Lugged	6-tile stack (4 over 2)	7:12
Polystick TU Plus	Flat or Lugged	6-tile stack (4 over 2)	7:12
	Flat or Lugged	10-tile stack	6:12
Polystick XFR	Flat or Lugged	Prohibited without battens or loading boards	N/A

6. INSTALLATION:

- 6.1 Polyglass Roof Underlayments shall be installed in accordance with Polyglass published installation instructions subject to the [Limitations of Use](#) herein and the specifics noted below.
 - 6.1.1 Consult Polyglass requirements for back-nailing at pitch of 2:12 or greater.
 - 6.1.2 All fabric-surfaced, aggregate-surfaced and granule-surfaced end-laps shall have a 6-inch wide, uniform layer of PG500 or POLYPLUS 50 applied within the end-lap.
- 6.2 Re-fasten any loose decking panels, and check for protruding nail heads. Sweep the substrate thoroughly to remove any dust and debris prior to application, and prime the substrate (if applicable).

6.3 Elastobase V, Elastobase P or PolyAnchor HV:

6.3.1 Non-Tile Applications:

Shall be installed in compliance with requirements for an approved mechanically attached underlayment (ASTM D226, Type II) in **FBC Table 1507.1.1.1** or **FBC Residential Table R905.1.1.1** for the type of prepared roof covering to be installed, and the manufacturer's installation instructions. FBC requirements take precedence over the manufacturer's installation instructions.

Elastobase V or Elastobase P may be covered with a layer of Polystick IR-Xe, Polystick MTS Plus, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick XFR, Polyflex SAP or Polyflex SA P FR, self-adhered, Elastoflex S6 G or Elastoflex S6 G FR in hot asphalt or Polyflex G or Polyflex G FR, torch applied. Roof cover limitations are those associated with the top-layer underlayment, as set forth in [Table 2](#).

PolyAnchor HV may be covered with a layer of Polystick IR-Xe, Polystick MTS Plus, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick XFR, Polyflex SAP or Polyflex SA P FR, self-adhered. Roof cover limitations are those associated with the top-layer underlayment, as set forth in [Table 2](#).

6.3.2 Tile Applications:

6.3.2.1 Elastobase V (poly-film top), Elastobase P (poly-film top) and PolyAnchor HV are limited to use as a mechanically attached base sheet in the "TWO-PLY SYSTEM" from **FRSA/TRI Manual, 7th Edition**.

Elastobase V (poly-film top), Elastobase P (poly-film top) and PolyAnchor HV shall be installed in compliance with the selected assembly from [Table 4B](#), which take precedence over the manufacturer's installation instructions.

Elastobase V (poly-film top), Elastobase P (poly-film top) and PolyAnchor HV shall be covered with Polystick MTS Plus, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick XFR, Polyflex SAP or Polyflex SA P FR, self-adhered or Polyflex G or Polyflex G FR, torch-applied. Tile roof installation method is limited by the selected Cap Sheet, as set forth in [Table 2](#).

6.3.2.2 Elastobase V (sanded-top) and Elastobase P (sanded-top) are limited to use as a mechanically attached base sheet in the "TWO-PLY SYSTEM" from **FRSA/TRI Manual, 7th Edition**.

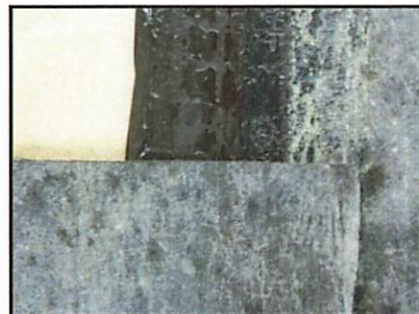
Elastobase V (sanded-top) and Elastobase P (sanded-top) shall be installed in compliance with the selected assembly from [Table 4B](#), which take precedence over the manufacturer's installation instructions.

Elastobase V (sanded-top) and Elastobase P (sanded-top) shall be covered with Elastoflex S6 G, Elastoflex S6 G FR or an FBC Approved Mineral Surfaced Cap Sheet (ASTM D6380), asphalt-applied or Polyflex G or Polyflex G FR, torch-applied. Tile roof installation method is limited by the selected Cap Sheet, as set forth in [Table 2](#).

6.4 HydraGuard Dual Pro, HydraGuard Tile Pro, Polyflex SA P, Polyflex SA P FR, Polystick IR-Xe, Polystick MTS Plus, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick XFR:

6.4.1 General:

All seal-lap seams (selvage laps) must be firmly rolled with a in accordance with Polyglass requirements to ensure full contact and adhesion. For HydraGuard Dual Pro and HydraGuard Tile Pro, align the edge of the top sheet to the end of the glue pattern (the sheet will overlap the fabric).



View of Overlap Seam of HydraGuard Dual Pro and HydraGuard Tile Pro

6.4.2 **Non-Tile Applications:**

Shall be installed in compliance with requirements for an approved self-adhering underlayment (ASTM D1970) in **FBC 1507.1.1.1** or **FBC Residential R905.1.1.1** for the type of prepared roof covering to be installed, and the manufacturer's installation instructions.

When installed over a mechanically attached base sheet of FBC Approved ASTM D226, Type II felt, Elastobase V, Elastobase P or PolyAnchor HV, the base sheet shall be fastened in accordance with **FBC 1507.1.1** or **R905.1.1**.

6.4.3 **Tile Applications (*excludes HydraGuard Dual Pro and Polystick IR-Xe*):**

Shall be installed in compliance with the requirements for Self-Adhered Membrane set forth in **FRSA/TRI Manual, 7th Edition** and the manufacturer's installation instructions.

Refer to [Section 5.8](#) herein for attachment limitations.

Refer to [Table 6](#) herein for tile staging limitations.

6.4.4 **Multi-Ply Underlayment Systems:**

Polystick MTS Plus or Polystick XFR followed by HydraGuard Tile Pro, Polyflex SA P, Polystick MTS Plus, Polystick TU Max, Polystick TU P, Polystick TU Plus or Polystick XFR is allowable for use under mechanically attached prepared roof systems. Limits of use are those associated with the top-layer material. This is not a requirement, but is allowable if a 2-ply underlayment system is desired.

Polystick MTS Plus followed by HydraGuard Tile Pro, Polyflex SA P, Polystick TU Max, Polystick TU P or Polystick TU Plus is allowable for use under adhesive-set tile systems. Limits of use are those associated with the top-layer material. This is not a requirement, but is allowable if a 2-ply underlayment system is desired.

6.5 **Elastoflex S6 G or Elastoflex S6 G FR:**

6.5.1 Shall be installed in compliance with requirements as an alternate to the "Hot Asphalt Applied Cap Sheet" in the "TWO-PLY SYSTEM" in the **FRSA/TRI Manual, 7th Edition**, and the manufacturer's installation instructions.

Refer to [Section 5.8](#) herein for attachment limitations.

Refer to [Table 6](#) herein for tile staging limitations.

6.6 **Polyflex G or Polyflex G FR:**

6.6.1 Shall be installed in compliance with requirements as an alternate to the "Heat Applied Cap Sheet" in the "TWO-PLY SYSTEM" in the **FRSA/TRI Manual, 7th Edition**, and the manufacturer's installation instructions.

Refer to [Section 5.8](#) herein for attachment limitations.

Refer to [Table 6](#) herein for tile staging limitations.

7. **BUILDING PERMIT REQUIREMENTS:**

As required by the Building Official or Authority Having Jurisdiction to properly evaluate the installation of this product.

8. **MANUFACTURING PLANTS:**

Contact the named QA entity for manufacturing facilities covered by **F.A.C. Rule 61G20-3** QA requirements. Refer to [Section 4](#) herein for products and production locations having met codified material standards.

9. **QUALITY ASSURANCE ENTITY:**

[UL, LLC – QUA9625](#); (360) 817-5512; bsai.inspections@ul.com

- END OF PEER -



Product Approval
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Search Criteria

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Code Version	2023 FL#	30343
Application Type	ALL Product Manufacturer	ALL
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Application Status	ALL Compliance Method	ALL
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Product Model, Number or Name	ALL Product Description	ALL
Approved for use in HVHZ	ALL Approved for use outside HVHZ	ALL
Impact Resistant	ALL Design Pressure	ALL
Other	ALL	

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
FL30343-R3 History	Revision	Premier Metal Category: Roofing Subcategory: Metal Roofing	James R Wally, PE (561) 379-3891	Approved

*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

Contact Us :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

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Subcategory

Compliance Method

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Florida License

Quality Assurance Entity

Quality Assurance Contract Expiration Date

Validated By

Certificate of Independence

Referenced Standard and Year (of Standard)

Equivalence of Product Standards

Certified By

Sections from the Code

FL30343-R3

Revision

2023

Approved

☐

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Roofing

Metal Roofing

Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer

☐ Evaluation Report - Hardcopy Received

David Eng

PE-81377

PRI Construction Materials Technologies, LLC

12/31/2027

James R Wally, PE

☒ Validation Checklist - Hardcopy Received

[FL30343_R3_COI_26ga_5VCrimp_plywood.pdf](#)

Standard	Year
UL 580	2006

Product Approval Method

Method 1 Option D

Date Submitted 10/09/2023
 Date Validated 10/09/2023
 Date Pending FBC Approval 10/23/2023
 Date Approved 12/13/2023

Summary of Products

FL #	Model, Number or Name	Description
30343.1	01: 26ga 5V Crimp over plywood	26ga (min) 5V Crimp over 15/32" (min) plywood
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-108.5 Other: 108.5psf with 12"-12" pattern at 12"oc		Installation Instructions FL30343_R3_II_26ga_5VCrimp_plywood.pdf Verified By: David Eng, PE 81377 Created by Independent Third Party: Yes Evaluation Reports FL30343_R3_AE_26ga_5VCrimp_plywood.pdf Created by Independent Third Party: Yes
30343.2	02: 26ga PermaShield over plywood	26ga (min) PermaShield screw strip over 15/32" (min) plywood
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-116 Other: 116psf fastener every hole WITH sealant, 71psf fastener every other hole		Installation Instructions FL30343_R3_II_26ga_PermaShield_plywood.pdf Verified By: David Eng, PE 81377 Created by Independent Third Party: Yes Evaluation Reports FL30343_R3_AE_26ga_PermaShield_plywood.pdf Created by Independent Third Party: Yes
30343.3	03: 032 Aluminum PermaShield over plywood	Nominally 032 or thicker aluminum PermaShield screw strip over 15/32" (min) plywood
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-153.5 Other: 153.5 with fastener every hole WITH sealant, 86psf with fastener every hole with OUT sealant.		Installation Instructions FL30343_R3_II_032Al_PermaShield_plywood.pdf Verified By: David Eng, PE 81377 Created by Independent Third Party: Yes Evaluation Reports FL30343_R3_AE_032Al_PermaShield_plywood.pdf Created by Independent Third Party: Yes
30343.4	04: 26ga TuffRib over plywood	26ga (min) TuffRib over 15/32" (min) plywood
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-123.5 Other: 123.5psf with 6.5"-2.5"-6.5"-2.5" fastener pattern @ 12" oc, 82.25psf with 9"-9"-9" fastener pattern @ 24" oc		Installation Instructions FL30343_R3_II_26ga_TuffRib_plywood.pdf Verified By: David Eng, PE 81377 Created by Independent Third Party: Yes Evaluation Reports FL30343_R3_AE_26ga_TuffRib_plywood.pdf Created by Independent Third Party: Yes
30343.5	05: 032 Aluminum DuraSeam over plywood	Nominally 0.032" or thicker aluminum DuraSeam over 15/32" (min) plywood
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-108.5 Other: 108.5 psf with clips @ 18" oc		Installation Instructions FL30343_R3_II_032Al_DuraSeam_plywood.pdf Verified By: David Eng, PE 81377 Created by Independent Third Party: Yes Evaluation Reports FL30343_R3_AE_032Al_DuraSeam_plywood.pdf Created by Independent Third Party: Yes
30343.6	06: 26ga DuraSeam over plywood	26ga (min) DuraSeam over 15/32" (min) plywood
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-93.5 Other: 93.5psf with clips @ 12" oc, 63.5psf with clips @ 16" oc		Installation Instructions FL30343_R3_II_26ga_DuraSeam_plywood.pdf Verified By: David Eng, PE 81377 Created by Independent Third Party: Yes Evaluation Reports FL30343_R3_AE_26ga_DuraSeam_plywood.pdf Created by Independent Third Party: Yes
30343.7	07: 29ga TuffRib over plywood	29ga (min) TuffRib over 15/32" (min) plywood Fastener in the rib
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A		Installation Instructions FL30343_R3_II_29ga_TuffRib_Plywood-rib.pdf Verified By: David Eng, PE 81377 Created by Independent Third Party: Yes

Design Pressure: +N/A/-123.5 Other: 123.5 psf with 9"-9"-9" fastener pattern @ 12" oc, 56psf @ 24" oc		Evaluation Reports FL30343_R3_AE_29ga_TuffRib_Plywood-rib.pdf Created by Independent Third Party: Yes
30343.8	08: 29ga TuffRib on 1x4 battens over plywood	29ga (min) TuffRib on 1x4 (nom) battens over 15/32" (min) plywood
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-131 Other: 131 psf with 9"-9"-9" fastener pattern @ 12" oc, 78.5psf @ 24" oc		Installation Instructions FL30343_R3_II_29ga_TuffRib_1x4.pdf Verified By: David Eng, PE 81377 Created by Independent Third Party: Yes Evaluation Reports FL30343_R3_AE_29ga_TuffRib_1x4.pdf Created by Independent Third Party: Yes
30343.9	09: 29ga TuffRib over plywood	29ga (min) TuffRib over 15/32" (min) plywood
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-93.5 Other: 93.5 psf with 9"-9"-9" fastener pattern @ 12" oc, 56psf @ 24" oc		Installation Instructions FL30343_R3_II_29ga_TuffRib_plywood.pdf Verified By: David Eng, PE 81377 Created by Independent Third Party: Yes Evaluation Reports FL30343_R3_AE_29ga_TuffRib_plywood.pdf Created by Independent Third Party: Yes

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Contact Us :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

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Product Approval Accepts:



Credit Card
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securityMETRICS

FLORIDA PRODUCT APPROVAL

26GA PermaShield over 15/32 Plywood

Premier Metal Roof Manufacturing

17613 S. Hwy 475 | Summerfield FL 34491

www.PMRoof.com | 352-356-1609

Product Description

Screw strip, snap lock metal roof panel. Panel coverage is 16" (max) with nominal rib height of 1"

Product Material: 26ga (min) steel

26ga is nominally 0.0185" with yield strength of at least 50ksi, and shall be corrosion resistant per FBC 1507.4.3 where required

Fastener: #10 x 1 inch pancake fastener

Compliant with FBC 1506.6 where required.

Substrate/Deck: 15/32" (min) plywood

Maximum Allowable Loads & Installation Requirements:

Method A: #10 x 1.0" fastener every other hole ($\pm 10"$ oc): 71 PSF

Method B: #10 x 1.0" fastener every hole ($\pm 5"$ oc) WITH sealant:

116 PSF

A factor of safety of 2 has been applied.

Evaluated by:

David Eng, PE | Timberlake Cove, LLC

1317 Edgewater Dr, Ste 2339 | Orlando FL 32804

FL PE 81377 | FL CA 33344

www.TimberLakeCove.com

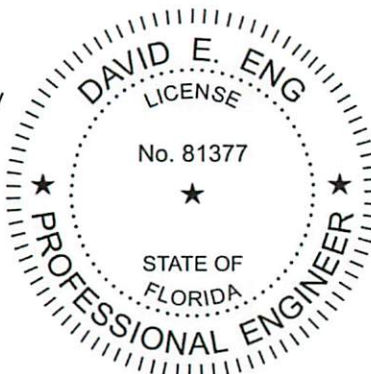


PERMA SHIELD

Screw Strip Standing Seam

Digitally signed by
David E Eng
Date: 2023.09.17
14:07:40-04'00'

This item has been digitally signed and sealed by D.E. Eng, PE, on the date indicated. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies



Underlayment: Comply with local building code or FBC 1507.1.1.

Slope: Comply with local building code or FBC 1507.4.2.

Technical Documentation:

This product has been tested to UL 580 by Intertek Testing (TST-1527), report K9550.01-450-44.

Compliance Statement:

This product as described has demonstrated compliance with Florida Building Code 2023, 1504.3.2 (**non-HVHZ**) as required by FL Rule 61G20-3, method 1D.

This product as described has been tested and demonstrated compliance with:

- UL580 – Test for Uplift Resistance of Roof Assemblies
- UL 1897 – Uplift test for roof covering systems

Certification of Independence:

David Eng, PE and Timberlake Cove, LLC do not have, nor will acquire a financial interest in any company manufacturing or distributing products under this evaluation. The same entities do not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

Exclusions and Limitations:

Design of deck and roof structure (to include attachment of plywood or wood plank) shall be completed by others. Fire classification and shear diaphragm design are outside the scope of this evaluation. This report is limited to compliance with structural wind load requirements of FBC 1504.3.2, as required by Rule 61G20-3. Neither Timberlake Cove nor the manufacturer shall be responsible for any conclusions, interpretations, or designs made by others based on this evaluation report. This report is limited solely to documenting compliance with Rule 61G20-3, and makes no express or implied warranty regarding performance of this product.

Design Process:

The load tables in this report provides *one* prescriptive option for the fastening requirement for the applicable wind loads for roofs within the parameters described. For roofs outside of the listed parameters, design wind loads shall be determined as required by FBC 1609, ASCE 7, or other design code in force, using allowable stress. These load tables are based on ASCE 7-22. Use of these tables assumes that the structure is:

- Enclosed and conforms to wind-borne debris provisions and is a regular shaped building
- Is not subject to across-wind loading, vortex shedding, or instability; nor does it have a site location for which channeling or buffeting warrant consideration

Engineering analysis may be completed by other licensed engineers for project specific approval by local authorities having jurisdiction.

Use of Load Tables:

These load tables are provided as a courtesy to provide one possible prescriptive option for a generic, typical structure without calculating the design pressures.

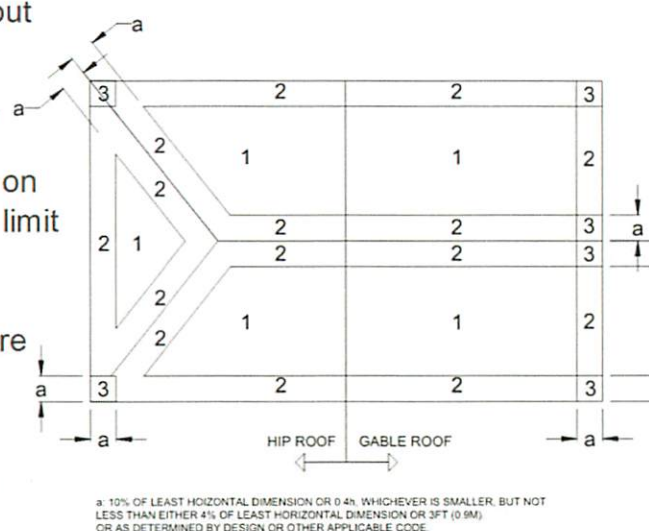
For structures outside the parameters of these load tables (e.g. height above 30 feet), calculate the required allowable design pressure and compare to the maximum allowable loads shown on page 2. These load tables shall not be construed to in any way limit the installation of this product to the cases shown. When applicable, the tables in FRC R301.2(2) and R301.2(3) may be used to determine the design uplift pressure. The FRC tables are copied below as a courtesy.

Instructions:

Select the appropriate load table that applies to the structure in question.

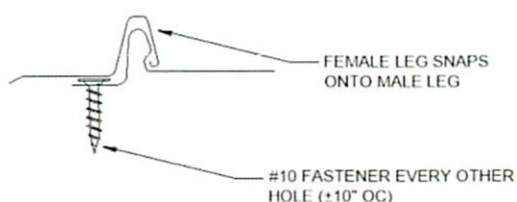
Determine the design wind speed for the project location.

Use the attachment method indicated for that windspeed within each roof zone.

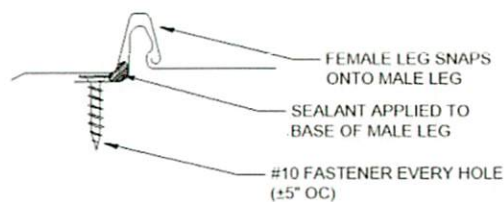


ROOF ZONES FOR GENERIC BUILDING

METHOD A



METHOD B



Load Tables

Use this load table for structures which meet the following criteria:
Are located in **Exposure B** area
Has a **gable roof** with **max slope of 45° (±12:12)**
Have a mean roof height of **15 feet or less**

FL30343.02 26ga PermaShield on 15/32" plywood

Wind	120	130	140	150	160	170	180	190	200
Zone 1:	A	A	A	A	A	A	A	A	A
Zone 2:	A	A	A	A	A	A	A	B	B
Zone 3:	A	A	A	A	B	B	B	B	B

Use this load table for structures which meet the following criteria:
Are located in **Exposure B** area
Has a **hip roof** with **max slope of 45° (±12:12)**
Have a mean roof height of **15 feet or less**

FL30343.02 26ga PermaShield on 15/32" plywood

Wind	120	130	140	150	160	170	180	190	200
Zone 1:	A	A	A	A	A	A	A	A	A
Zone 2:	A	A	A	A	A	A	A	A	B
Zone 3:	A	A	A	A	A	A	A	B	B

Use this load table for structures which meet the following criteria:
Are located in **Exposure B** area
Has a **gable roof** with **max slope of 45° (±12:12)**
Have a mean roof height of **30 feet or less**

FL30343.02 26ga PermaShield on 15/32" plywood

Wind	120	130	140	150	160	170	180	190	200
Zone 1:	A	A	A	A	A	A	A	B	B
Zone 2:	A	A	A	A	A	B	B	B	B
Zone 3:	A	A	A	B	B	B	B	NR	NR

Use this load table for structures which meet the following criteria:
Are located in **Exposure B** area
Has a **hip roof** with **max slope of 45° (±12:12)**
Have a mean roof height of **30 feet or less**

FL30343.02 26ga PermaShield on 15/32" plywood

Wind	120	130	140	150	160	170	180	190	200
Zone 1:	A	A	A	A	A	A	A	A	B
Zone 2:	A	A	A	A	A	A	B	B	B
Zone 3:	A	A	A	A	A	B	B	B	B

Use this load table for structures which meet the following criteria:
Are located in **Exposure C** area
Have either a **flat roof**, or **gable/hip roof** with **max slope of 45° (±12:12)**
Have a mean roof height of **15 feet or less**

FL30343.02 26ga PermaShield on 15/32" plywood

Wind	120	130	140	150	160	170	180	190	200
Zone 1:	A	A	A	A	A	A	B	B	B
Zone 2:	A	A	A	B	B	B	B	B	NR
Zone 3:	A	A	B	B	B	NR	NR	NR	NR

Use this load table for structures which meet the following criteria:
Are located in **D exposure** area
Have either a **flat roof**, or **gable/hip roof** with **max slope of 45° (±12:12)**
Have a mean roof height of **30 feet or less**

FL30343.02 26ga PermaShield on 15/32" plywood

Wind	120	130	140	150	160	170	180	190	200
Zone 1:	A	A	A	B	B	B	B	NR	NR
Zone 2:	A	B	B	B	B	NR	NR	NR	NR
Zone 3:	B	B	B	NR	NR	NR	NR	NR	NR

Use this load table for structures which meet the following criteria:
Are located in **Exposure B** area
Have either a **hip roof** with **max slope of 45° (±12:12)**
or **gable roof** with **slope between 27° and 45° (±6.1:12 - 12:12)**
Have a mean roof height of **15 feet or less**

FL30343.02 26ga PermaShield on 15/32" plywood

Wind	120	130	140	150	160	170	180	190	200
Zone 1:	A	A	A	A	A	A	B	B	B
Zone 2:	A	A	A	A	B	B	B	B	NR
Zone 3:	A	A	B	B	B	B	NR	NR	NR

Use this load table for structures which meet the following criteria:
Are located in **D exposure** area
Have either a **hip roof** with **max slope of 45° (±12:12)**
or **gable roof** with **slope between 27° and 45° (±6.1:12 - 12:12)**
Have a mean roof height of **30 feet or less**

FL30343.02 26ga PermaShield on 15/32" plywood

Wind	120	130	140	150	160	170	180	190	200
Zone 1:	A	A	A	A	B	B	B	B	NR
Zone 2:	A	A	B	B	B	NR	NR	NR	NR
Zone 3:	B	B	B	B	NR	NR	NR	NR	NR

FBC Residential, Chapter 3

<https://codes.iccsafe.org/content/FLRC2023P1/chapter-3-building-planning>

TABLE R301.2(2)
COMPONENT AND CLADDING LOADS FOR A BUILDING WITH A MEAN ROOF HEIGHT OF 30 FEET LOCATED IN EXPOSURE B (ASD) (psf) a, b, c, d, e, f, g

WIND SPEED AND LEADING LOSS FOR A BUILDING WITH A MEAN ROOF HEIGHT OF 30 FEET LOCATED IN EXPOSURE B (30)																														
Zone	Effective Wind Area	90		95		100		105		110		115		120		130		140		150		160		170		180				
		POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG			
Gable Roof < 7 degrees	1'	10	3.6	-8	4	-8.9	4.4	-9.9	4.8	-10.9	5.3	-12	5.8	-13.1	6.3	-14.2	7.4	-16.7	8.6	-19.4	9.9	-22.2	11.2	-25.3	12.7	-28.5	14.2	-32		
	1'	20	3.3	-8	3.7	-8.9	4.1	-9.9	4.5	-10.9	5	-12	5.4	-13.1	5.9	-14.2	7	-16.7	8.1	-19.4	9.3	-22.2	10.5	-25.3	11.9	-28.5	13.3	-32		
	1'	50	3	-8	3.4	-8.9	3.8	-9.9	4.1	-10.9	4.5	-12	5	-13.1	5.4	-14.2	6.3	-16.7	7.4	-19.4	8.4	-22.2	9.6	-25.3	10.8	-28.5	12.2	-32		
	1'	100	2.8	-8	3.1	-8.9	3.5	-9.9	3.8	-10.9	4.2	-12	4.6	-13.1	5	-14.2	5.9	-16.7	6.8	-19.4	7.8	-22.2	8.9	-25.3	10	-28.5	11.3	-32		
	1	10	3.6	-13.9	4	-15.5	4.4	-17.2	4.8	-19	5.3	-20.8	5.8	-22.7	6.3	-24.8	7.4	-29.1	8.6	-33.7	9.9	-38.7	11.2	-44	12.7	-49.7	14.2	-55.7		
	1	20	3.3	-13	3.7	-14.5	4.1	-16.1	4.5	-17.7	5	-19.4	5.4	-21.2	5.9	-23.1	7	-27.1	8.1	-31.5	9.3	-36.1	10.5	-41.1	11.9	-46.4	13.3	-52		
	1	50	3	-11.8	3.4	-13.1	3.8	-14.6	4.1	-16.1	4.5	-17.6	5	-19.3	5.4	-21	6.3	-24.6	7.4	-28.5	8.4	-32.8	9.6	-37.3	10.8	-42.1	12.2	-47.2		
	1	100	2.8	-10.9	3.1	-12.1	3.5	-13.4	3.8	-14.8	4.2	-16.2	4.6	-17.8	5	-19.3	5.9	-22.7	6.8	-26.3	7.8	-30.2	8.9	-34.4	10	-38.8	11.3	-43.5		
	2	10	3.6	-18.4	4	-20.5	4.4	-22.7	4.8	-25	5.3	-27.4	5.8	-30	6.3	-32.7	7.4	-38.3	8.6	-44.5	9.9	-51	11.2	-58.1	12.7	-65.6	14.2	-73.5		
	2	20	3.3	-17.2	3.7	-19.2	4.1	-21.2	4.5	-23.4	5	-25.7	5.4	-28.1	5.9	-30.6	7	-35.9	8.1	-41.6	9.3	-47.8	10.5	-54.3	11.9	-61.3	13.3	-68.8		
	2	50	3	-15.6	3.4	-17.4	3.8	-19.3	4.1	-21.3	4.5	-23.4	5	-25.5	5.4	-27.8	6.3	-32.6	7.4	-37.8	8.4	-43.4	9.6	-49.4	10.8	-55.8	12.2	-62.5		
	2	100	2.8	-14.4	3.1	-16.1	3.5	-17.8	3.8	-19.7	4.2	-21.6	4.6	-23.6	5	-25.7	5.9	-30.1	6.8	-35	7.8	-40.1	8.9	-45.7	10	-51.6	11.3	-57.8		
	3	10	3.6	-25	4	-27.9	4.4	-30.9	4.8	-34.1	5.3	-37.4	5.8	-40.9	6.3	-44.5	7.4	-52.2	8.6	-60.6	9.9	-69.6	11.2	-79.1	12.7	-89.4	14.2	-100		
	3	20	3.3	-22.7	3.7	-25.3	4.1	-28	4.5	-30.9	5	-33.9	5.4	-37	5.9	-40.3	7	-47.3	8.1	-54.9	9.3	-63	10.5	-71.7	11.9	-80.9	13.3	-90.7		
	3	50	3	-19.6	3.4	-21.8	3.8	-24.1	4.1	-26.6	4.5	-29.2	5	-31.9	5.4	-34.8	6.3	-40.8	7.4	-47.3	8.4	-54.3	9.6	-61.8	10.8	-69.8	12.2	-78.2		
	3	100	2.8	-17.2	3.1	-19.2	3.5	-21.2	3.8	-23.4	4.2	-25.7	4.6	-28.1	5	-30.6	5.9	-35.9	6.8	-41.6	7.8	-47.8	8.9	-54.3	10	-61.3	11.3	-68.8		
Gable Roof > 7 to 20 degrees	1	10	5.8	-16.2	6.4	-18	7.1	-19.9	7.9	-22	8.6	-24.1	9.4	-26.4	10.3	-28.7	12.1	-33.7	14	-39.1	16.1	-44.9	18.3	-51	20.6	-57.6	23.1	-64.6		
	1	20	5.3	-13.9	5.9	-15.5	6.5	-17.1	7.2	-18.9	7.9	-20.7	8.6	-22.7	9.4	-24.7	11	-29	12.7	-33.6	14.6	-38.6	16.6	-43.9	18.8	-49.5	21.1	-55.5		
	1	50	4.6	-10.9	5.1	-12.1	5.7	-13.4	6.2	-14.8	6.8	-16.3	7.5	-17.8	8.2	-19.4	9.6	-22.7	11.1	-26.4	12.7	-30.3	14.5	-34.4	16.4	-38.9	18.3	-43.6		
	1	100	4.1	-8.6	4.5	-9.6	5	-10.7	5.5	-11.7	6.1	-12.9	6.6	-14.1	7.2	-15.3	8.5	-18	9.8	-20.9	11.3	-24	12.9	-27.3	14.5	-30.8	16.3	-34.5		
	2	10	5.8	-21.3	6.4	-23.8	7.1	-26.3	7.9	-29	8.6	-31.9	9.4	-34.8	10.3	-37.9	12.1	-44.5	14	-51.6	16.1	-59.3	18.3	-67.4	20.6	-76.1	23.1	-85.4		
	2	20	5.3	-18.4	5.9	-20.5	6.5	-22.7	7.2	-25.1	7.9	-27.5	8.6	-30.1	9.4	-32.8	11	-38.4	12.7	-44.6	14.6	-51.2	16.6	-58.2	18.8	-65.7	21.1	-73.7		
	2	50	4.6	-14.6	5.1	-16.2	5.7	-18	6.2	-19.8	6.8	-21.8	7.5	-23.8	8.2	-25.9	9.6	-30.4	11.1	-35.3	12.7	-40.5	14.5	-46.1	16.4	-52	18.3	-58.3		
	2	100	4.1	-11.7	4.5	-13	5	-14.4	5.5	-15.9	6.1	-17.4	6.6	-19	7.2	-20.7	8.5	-24.3	9.8	-28.2	11.3	-32.4	12.9	-36.8	14.5	-41.6	16.3	-46.6		
	3	10	5.8	-28	6.4	-31.2	7.1	-34.6	7.9	-38.1	8.6	-41.8	9.4	-45.7	10.3	-49.8	12.1	-58.4	14	-67.8	16.1	-77.8	18.3	-88.5	20.6	-99.9	23.1	-112		
	3	20	5.3	-24	5.9	-26.7	6.5	-29.6	7.2	-32.7	7.9	-35.8	8.6	-39.2	9.4	-42.7	11	-50.1	12.7	-58.1	14.6	-66.6	16.6	-75.8	18.8	-85.6	21.1	-96		
	3	50	4.6	-18.7	5.1	-20.8	5.7	-23.1	6.2	-25.4	6.8	-27.9	7.5	-30.5	8.2	-33.2	9.6	-39	11.1	-45.2	12.7	-51.9	14.5	-59.1	16.4	-66.7	18.3	-74.7		
	3	100	4.1	-14.7	4.5	-16.3	5	-18.1	5.5	-20	6.1	-21.9	6.6	-24	7.2	-26.1	8.5	-30.6	9.8	-35.5	11.3	-40.8	12.9	-46.4	14.5	-52.3	16.3	-58.7		
	Gable Roof > 20 to 27 degrees	1	10	5.8	-12.4	6.4	-13.9	7.1	-15.4	7.9	-16.9	8.6	-18.6	9.4	-20.3	10.3	-22.1	12.1	-26	14	-30.1	16.1	-34.6	18.3	-39.3	20.6	-44.4	23.1	-49.8	
		1	20	5.3	-11.2	5.9	-12.5	6.5	-13.9	7.2	-15.3	7.9	-16.8	8.6	-18.4	9.4	-20	11	-23.5	12.7	-27.2	14.6	-31.2	16.6	-35.5	18.8	-40.1	21.1	-45	
		1	50	4.6	-9.7	5.1	-10.8	5.7	-11.9	6.2	-13.1	6.8	-14.4	7.5	-15.8	8.2	-17.2	9.6	-20.2	11.1	-23.4	12.7	-26.8	14.5	-30.5	16.4	-34.5	18.3	-38.6	
		1	100	4.1	-8.5	4.5	-9.4	5	-10.4	5.5	-11.5	6.1	-12.6	6.6	-13.8	7.2	-15	8.5	-17.7	9.8	-20.5	11.3	-23.5	12.9	-26.7	14.5	-30.2	16.3	-33.8	
2		10	5.8	-19.9	6.4	-22.1	7.1	-24.5	7.9	-27	8.6	-29.7	9.4	-32.4	10.3	-35.3	12.1	-41.4	14	-48	16.1	-55.2	18.3	-62.8	20.6	-70.8	23.1	-79.4		
2		20	5.3	-17	5.9	-18.9	6.5	-20.9	7.2	-23.1	7.9	-25.3	8.6	-27.7	9.4	-30.1	11	-35.4	12.7	-41	14.6	-47.1	16.6	-53.6	18.8	-60.5	21.1	-67.8		
2		50	4.6	-13.1	5.1	-14.6	5.7	-16.2	6.2	-17.9	6.8	-19.6	7.5	-21.4	8.2	-23.3	9.6	-27.4	11.1	-31.8	12.7	-36.5	14.5	-41.5	16.4	-46.8	18.3	-52.5		
2		100	4.1	-10.2	4.5	-11.4	5	-12.6	5.5	-13.9	6.1	-15.3	6.6	-16.7	7.2	-18.2	8.5	-21.3	9.8	-24.7	11.3	-28.4	12.9	-32.3	14.5	-36.5	16.3	-40.9		
3		10	5.8	-23.6	6.4	-26.3	7.1	-29.1	7.9	-32.1	8.6	-35.2	9.4	-38.5	10.3	-41.9	12.1	-49.2	14	-57	16.1	-65.4	18.3	-74.5	20.6	-84.1	23.1	-94.2		
3		20	5.3	-20	5.9	-22.3	6.5	-24.7	7.2	-27.2	7.9	-29.9	8.6	-32.6	9.4	-35.5	11	-41.7	12.7	-48.4	14.6	-55.5	16.6	-63.2	18.8	-71.3	21.1	-80		
3		50	4.6	-15.3	5.1	-17	5.7	-18.9	6.2	-20.8	6.8	-22.8	7.5	-24.9	8.2	-27.2	9.6	-31.9	11.1	-37	12.7	-42.4	14.5	-48.3	16.4	-54.5	18.3	-61.1		
3		100	4.1	-11.7	4.5	-13	5	-14.5	5.5	-15.9	6.1	-17.5	6.6	-19.1	7.2	-20.8	8.5	-24.4	9.8	-28.3	11.3	-32.5	12.9	-37	14.5	-41.8	16.3	-46.8		
Gable Roof > 27 to 45 degrees		1	10	8	-14.7	8.9	-16.3	9.9	-18.1	10.9	-20	12	-21.9	13.1	-24	14.2	-26.1	16.7	-30.6	19.4	-35.5	22.2	-40.8	25.3	-46.4	28.5	-52.3	32	-58.7	
		1	20	7.3	-12.4	8.2	-13.9	9	-15.4	10	-16.9	10.9	-18.6	11.9	-20.3	13	-22.1	15.3	-26	17.7	20.1	-23.4	23.1	-26.3	26.1	-29.3	31.1	-34.4	35.9	-38.8
		1	50	6.4	-9.5	7.1	-10.6	7.9	-11.7	8.7	-12.9	9.6	-14.2	10.5	-15.5	11.4	-16.9	13.4	-19.8	15.5	-23	17.8	-26.4	20.3	-30	22.9	-33.9	25.6	-38	
		1	100	5.7	-7.3	6.4	-8.1	7.1	-9	7.8	-8.9	8.6	-10.8	9.3	-11.9	10.2	-12.9	11.9	-15.1	13.9	-17.6	15.9	-20.2	18.1	-22.9	20.4	-25.9	22.9	-29	
	2	10	8	-16.2	8.9	-18	9.9	-19.9	10.9	-22	12	-24.1	13.1	-26.4	14.2	-28.7	16.7	-33.7	19.4	-39.1	22.2	-44.9	25.3	-51	28.5	-57.6	32	-64.6		
	2	20																												

FBC Residential, Chapter 3

<https://codes.iccsafe.org/content/FLRC2023P1/chapter-3-building-planning>

	Zone	Effective Wind Area	90		95		100		105		110		115		120		130		140		150		160		170		180	
			POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG
Hip Roof > 20 to 27 degrees	1	10	6.5	-11.7	7.3	-13	8	-14.5	8.9	-15.9	9.7	-17.5	10.6	-19.1	11.6	-20.8	13.6	-24.4	15.8	-28.3	18.1	-32.5	20.6	-37	23.3	-41.8	26.1	-46
	1	20	5.6	-10.4	6.3	-11.6	6.9	-12.8	7.7	-14.1	8.4	-15.5	9.2	-16.9	10	-18.4	11.7	-21.6	13.6	-25.1	15.6	-28.8	17.8	-32.8	20.1	-37	22.5	-41.5
	1	50	4.4	-8.6	5	-9.6	5.5	-10.6	6.1	-11.7	6.6	-12.8	7.3	-14	7.9	-15.3	9.3	-17.9	10.8	-20.8	12.4	-23.9	14.1	-27.2	15.9	-30.7	17.8	-34
	1	100	3.6	-7.3	4	-8.1	4.4	-9	4.8	-9.9	5.3	-10.8	5.8	-11.9	6.3	-12.9	7.4	-15.1	8.6	-17.6	9.9	-20.2	11.2	-22.9	12.7	-25.9	14.2	-29
	2	10	6.5	-16.2	7.3	-18	8	-19.9	8.9	-22	9.7	-24.1	10.6	-26.4	11.6	-28.7	13.6	-33.7	15.8	-39.1	18.1	-44.9	20.6	-51	23.3	-57.6	26.1	-64
	2	20	5.6	-13.9	6.3	-15.5	6.9	-17.2	7.7	-18.9	8.4	-20.8	9.2	-22.7	10	-24.7	11.7	-29	13.6	-33.7	15.6	-38.7	17.8	-44	20.1	-49.7	22.5	-55
	2	50	4.4	-11	5	-12.2	5.5	-13.5	6.1	-14.9	6.6	-16.4	7.3	-17.9	7.9	-19.5	9.3	-22.9	10.8	-26.6	12.4	-30.5	14.1	-34.7	15.9	-39.2	17.8	-43
	2	100	3.6	-8.7	4	-9.7	4.4	-10.8	4.8	-11.9	5.3	-13.1	5.8	-14.3	6.3	-15.5	7.4	-18.2	8.6	-21.2	9.9	-24.3	11.2	-27.6	12.7	-31.2	14.2	-35
	3	10	6.5	-16.2	7.3	-18	8	-19.9	8.9	-22	9.7	-24.1	10.6	-26.4	11.6	-28.7	13.6	-33.7	15.8	-39.1	18.1	-44.9	20.6	-51	23.3	-57.6	26.1	-64
	3	20	5.6	-13.9	6.3	-15.5	6.9	-17.2	7.7	-18.9	8.4	-20.8	9.2	-22.7	10	-24.7	11.7	-29	13.6	-33.7	15.6	-38.7	17.8	-44	20.1	-49.7	22.5	-55
	3	50	4.4	-11	5	-12.2	5.5	-13.5	6.1	-14.9	6.6	-16.4	7.3	-17.9	7.9	-19.5	9.3	-22.9	10.8	-26.6	12.4	-30.5	14.1	-34.7	15.9	-39.2	17.8	-43
	3	100	3.6	-8.7	4	-9.7	4.4	-10.8	4.8	-11.9	5.3	-13.1	5.8	-14.3	6.3	-15.5	7.4	-18.2	8.6	-21.2	9.9	-24.3	11.2	-27.6	12.7	-31.2	14.2	-35
Hip Roof = 45 degrees	1	10	6.5	-12.4	7.3	-13.9	8	-15.4	8.9	-16.9	9.7	-18.6	10.6	-20.3	11.6	-22.1	13.6	-26	15.8	-30.1	18.1	-34.6	20.6	-39.3	23.3	-44.4	26.1	-49
	1	20	5.6	-10.7	6.3	-11.9	6.9	-13.2	7.7	-14.5	8.4	-15.9	9.2	-17.4	10	-19	11.7	-22.2	13.6	-25.8	15.6	-29.6	17.8	-33.7	20.1	-38	22.5	-42
	1	50	4.4	-8.3	5	-9.3	5.5	-10.3	6.1	-11.3	6.6	-12.4	7.3	-13.6	7.9	-14.8	9.3	-17.3	10.8	-20.1	12.4	-23.1	14.1	-26.2	15.9	-29.6	17.8	-33
	1	100	3.6	-6.5	4	-7.3	4.4	-8	4.8	-8.9	5.3	-9.7	5.8	-10.6	6.3	-11.6	7.4	-13.6	8.6	-15.8	9.9	-18.1	11.2	-20.6	12.7	-23.3	14.2	-26
	2	10	6.5	-14.7	7.3	-16.3	8	-18.1	8.9	-20	9.7	-21.9	10.6	-24	11.6	-26.1	13.6	-30.6	15.8	-35.5	18.1	-40.8	20.6	-46.4	23.3	-52.3	26.1	-58
	2	20	5.6	-12.4	6.3	-13.9	6.9	-15.4	7.7	-16.9	8.4	-18.6	9.2	-20.3	10	-22.1	11.7	-26	13.6	-30.1	15.6	-34.6	17.8	-39.3	20.1	-44.4	22.5	-49
	2	50	4.4	-9.5	5	-10.6	5.5	-11.7	6.1	-12.9	6.6	-14.2	7.3	-15.5	7.9	-16.9	9.3	-19.8	10.8	-23	12.4	-26.4	14.1	-30	15.9	-33.9	17.8	-38
	2	100	3.6	-7.3	4	-8.1	4.4	-9	4.8	-9.9	5.3	-10.8	5.8	-11.9	6.3	-12.9	7.4	-15.1	8.6	-17.6	9.9	-20.2	11.2	-22.9	12.7	-25.9	14.2	-29
	3	10	6.5	-19.1	7.3	-21.3	8	-23.6	8.9	-26	9.7	-28.6	10.6	-31.2	11.6	-34	13.6	-39.9	15.8	-46.3	18.1	-53.1	20.6	-60.4	23.3	-68.2	26.1	-76
	3	20	5.6	-16	6.3	-17.8	6.9	-19.7	7.7	-21.8	8.4	-23.9	9.2	-26.1	10	-28.4	11.7	-33.4	13.6	-38.7	15.6	-44.4	17.8	-50.5	20.1	-57.1	22.5	-64
	3	50	4.4	-11.9	5	-13.2	5.5	-14.6	6.1	-16.1	6.6	-17.7	7.3	-19.4	7.9	-21.1	9.3	-24.8	10.8	-28.7	12.4	-33	14.1	-37.5	15.9	-42.3	17.8	-47
	3	100	3.6	-8.7	4	-9.7	4.4	-10.8	4.8	-11.9	5.3	-13.1	5.8	-14.3	6.3	-15.5	7.4	-18.2	8.6	-21.2	9.9	-24.3	11.2	-27.6	12.7	-31.2	14.2	-35
Walls	4	10	8.7	-9.5	9.7	-10.6	10.8	-11.7	11.9	-12.9	13.1	-14.2	14.3	-15.5	15.5	-16.9	18.2	-19.8	21.2	-22.9	24.3	-26.3	27.6	-30	31.2	-33.8	35	-37
	4	20	8.3	-9.1	9.3	-10.1	10.3	-11.2	11.4	-12.4	12.5	-13.6	13.6	-14.8	14.8	-16.2	17.4	-19	20.2	-22	23.2	-25.2	26.4	-28.7	29.8	-32.4	33.4	-36
	4	50	7.8	-8.6	8.7	-9.5	9.7	-10.6	10.7	-11.7	11.7	-12.8	12.8	-14	13.9	-15.2	16.3	-17.9	18.9	-20.7	21.7	-23.8	24.7	-27.1	27.9	-30.6	31.3	-34
	4	100	7.4	-8.2	8.3	-9.1	9.2	-10.1	10.1	-11.1	11.1	-12.2	12.1	-13.3	13.2	-14.5	15.5	-17.1	18	-19.8	20.7	-22.7	23.5	-25.8	26.5	-29.2	29.7	-32
	5	10	8.7	-11.7	9.7	-13	10.8	-14.5	11.9	-15.9	13.1	-17.5	14.3	-19.1	15.5	-20.8	18.2	-24.4	21.2	-28.3	24.3	-32.5	27.6	-37	31.2	-41.8	35	-46
	5	20	8.3	-10.9	9.3	-12.2	10.3	-13.5	11.4	-14.9	12.5	-16.3	13.6	-17.8	14.8	-19.4	17.4	-22.8	20.2	-26.4	23.2	-30.3	26.4	-34.5	29.8	-39	33.4	-43
	5	50	7.8	-9.9	8.7	-11	9.7	-12.2	10.7	-13.4	11.7	-14.8	12.8	-16.1	13.9	-17.6	16.3	-20.6	18.9	-23.9	21.7	-27.4	24.7	-31.2	27.9	-35.2	31.3	-39
	5	100	7.4	-9.1	8.3	-10.1	9.2	-11.2	10.1	-12.4	11.1	-13.6	12.1	-14.8	13.2	-16.2	15.5	-19	18	-22	20.7	-25.2	23.5	-28.7	26.5	-32.4	29.7	-36

For SI: 1 foot = 304.8 mm, 1 square foot = 0.0929 m², 1 mile per hour = 0.447 m/s, 1 pound per square foot = 0.0479 kPa.

a.The effective wind area shall be equal to the span length multiplied by an effective width. This width shall be permitted to be not less than one-third the span length. For cladding fasteners, the effective wind area shall not be greater than the area that is tributary to an individual fastener.

b.For effective wind areas between those given, the load shall be interpolated or the load associated with the lower effective wind area shall be used.

c.Table values shall be adjusted for height and exposure by multiplying by the adjustment coefficient in Table R301.2(3).

d.See Figure R301.2(7) for location of zones.

e.Plus and minus signs signify pressures acting toward and away from the building surfaces.

f.Positive and negative design wind pressures shall not be less than 10 psf.

g.Roof overhang loads shall be determined by summing the applicable roof zone pressure with the adjacent wall zone pressure.

h.Table values have been multiplied by 0.6 to convert component and cladding pressures to ASD.

TABLE R301.2(3)
HEIGHT AND EXPOSURE

MEAN ROOF HEIGHT(ft)	EXPOSURE CATEGORY			
	B	C	D	
15	0.82	1.21	1.47	
20	0.89	1.29	1.55	
25	0.94	1.35	1.61	
30	1	1.4	1.66	
35	1.05	1.45	1.7	
40	1.06	1.49	1.74	
45	1.1	1.53	1.78	
50	1.13	1.56	1.81	
55	1.16	1.59	1.84	
60	1.19	1.62	1.87	

Permit Number _____
Parcel ID Number 12-27-15-60228-000-0040

NOTICE OF COMMENCEMENT

State of Florida
County of Pinellas

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property (legal description) NOBLITT'S, G.E. LOT 4

a. Street (job) Address 227 HIBISCUS ST TARPON SPRINGS, FL 34689

2. General description of improvements ROOF REPLACEMENT

3. Owner Information or Lessee Information if the Lessee contracted for the improvement

a. Name and address BOCA GRANDE NORTH LAND TRUST CHESTNUT LAND TRUST SERVICES

b. Name and address of fee simple titleholder (if different than Owner listed above) 911 Chestnut St.

c. Interest in property OWNER Clearwater, FL 33756

4. Contractor Information

a. Name and address ARRYS ROOFING SVC INC 401 E SPRUCE STREET, TARPON SPRINGS, FL

b. Telephone No. _____

5. Surety (if applicable, a copy of the payment bond is attached)

a. Name and address _____

b. Telephone No. _____

c. Amount of Bond \$ _____

6. Lender

a. Name and address _____

b. Telephone No. _____

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7, Florida Statutes

a. Name and address _____

b. Telephone No. _____

8. In addition to himself or herself, Owner designates _____ of _____

to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

a. Telephone No. of Person or entity designated by Owner _____

9. Expiration date of notice of commencement (the expiration date may not be before the completion of construction and final payment to the contractor, but will be one (1) year from the date of recording unless a different date is specified _____, 20 _____)

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

Under penalty of perjury, I declare that I have read the foregoing notice of commencement and that the facts stated therein are true to the best of my knowledge and belief.

[Signature]
(Signature of Owner or Lessee, or Owner's or Lessee's Authorized Officer/Director/Partner/Manager)

Matthew Housh
(Print Name and Provide Signatory's Title/Office)

The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ on-line notarization, this 11 day of June, 2024 by Matthew Housh, as Owner

(type of authority, e.g. officer, trustee, attorney in fact) for _____

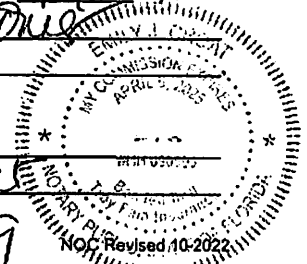
(name of party on behalf of whom instrument was executed).

Personally known ☒ OR Producer Identification ☐ Type of Identification Produced FLN

SIGNATURE OF NOTARY [Signature]

PRINT NAME Matthew Housh

HH090699



AFFIDAVIT

Permit Number: _____ Tax Folio Number: _____

Property Address: 227 Hibiscus St.

STATE OF FLORIDA
COUNTY OF Pinellas

Before me, the undersigned authority, duly authorized to take acknowledgments and administer oaths, personally appeared James Hargreaves, (hereinafter Affiant), who after being duly sworn, deposes and says:

1. Affiant is the (check one): ☒ Owner of the above described property;
☐ the Owner's Authorized Agent
2. A Notice of Commencement, as required pursuant to Section 713.13 of the Florida Statutes, has been filed for recording in the official public records of Pinellas County, Florida, as it relates to improvements to be made to that certain real property described herein.
3. A copy of said recorded Notice of Commencement is attached hereto.

Affiant Signature: James Hargreaves

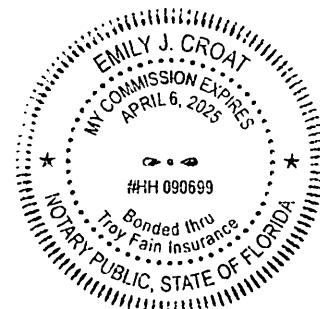
Print Name: James Hargreaves

Sworn to and subscribed before me on this 14 day of Jan, 2024
by James Hargreaves, who is personally known to me or has produced
_____ as identification.

Notary Public Signature: Emily J. Croat

Print Name: Emily J. Croat

My Commission Expires: 4.6.25





Date: 06/16/24
Name: CHESTNUT LAND TRUST
Address: 911 CHESTNUT STREET
City: CLEARWATER, FL 33756
Phone: 727-938-9565
Job Location: 227 HIBISCUS STREET

Our current schedule is:
_____ to _____ weeks
from the day we receive your
signed contract in our office.
(Weather permitting)

We hereby submit specifications and estimates for:

1. SUBMITTALS

- A. When applicable, submit copies of manufacturer product data sheets, detail drawings, recommended installation procedures, conforming Product Approvals and samples for each type of roofing product, including profile and color.
- B. Installation drawings shall show methods of installation, elevations, and plans of roof and wall panels, sections and details, specified loads, flashings, roof curbs, vents, sealants, interfaces with all materials not supplied by the metal roofing system manufacturer, and proposed identification of components parts and their finishes.

2. QUALITY ASSURANCE

- A. Manufacturer Qualifications: Only the highest quality metal roofing products and components used from superior partnering manufacturers to reduce risks and promote longevity.
- B. Installer Qualifications: Installer must be approved for installation of all roofing products to be installed under this section. All installers have been trained and tested by completing NRCA, FRSA and various manufacturer certification programs.

3. REGULATORY REQUIREMENTS

- A. Install all roofing products in accordance with all federal, state and local building codes, as well as the Sheet Metal and Air Conditioning Contractors' National Association, Inc. (SMACNA), and the National Roofing Contractors Association (NRCA).
- B. All work shall be performed in a manner consistent with current OSHA guidelines.

4. SCHEDULING & PROJECT CONDITIONS

- A. Review all pertinent requirements for the project, including but not limited to, scheduling, product delivery, storage, and handling, weather considerations, project duration, and requirements for the specified warranty. Proceed with work only when existing and forecasted weather conditions will permit work to be performed in accordance with Manufacturer recommendations.

5. EXECUTION

A. EXAMINATION & PREPARATION

- 1) Complete removal of all existing roof system components is required for extended, Manufacturer backed warranties; re-cover applications are not acceptable. Remove all existing SHINGLES roofing down to the roof deck. Any additional roofing layers discovered will be an additional charge of \$ N/A per layer, per square.
- 2) Verify that the deck is dry, solid, clean, and smooth, and is structurally sound and free of deteriorated decking. If applicable, re-nail roof deck as per current Florida and local building codes. Defects that need to be corrected before work can commence will be brought to the attention of the General Contractor or Owner in writing and addressed by them.
- 3) If applicable, install crickets on the upslope side of all chimneys wider than 24" and/or on all roofs steeper than 6/12 pitch.
- 4) Clean and dispose of all roofing debris from rooftop and ground premises, protecting the original condition of the yard, driveways, and landscaping.

B. INSTALLATION OF UNDERLAYMENTS

- 1) Dry-In roof with POLYGASS (Highest Quality) single ply, Self-Adhered Underlayment system directly to the compatible deck, which serves as a "secondary water barrier" (the primary water barrier will be the metal and flashing system).
- 2) Install eaves edge (drip edge) metal flashing tight with fascia boards; lap joints 4 inches and seal with butyl around perimeter of roof. All flashings will be sealed from the outside elements with a "profile specific" closure strip or an applicable sealant application method. Match color of perimeter flashings to the metal system being installed.
- 3) Pre-formed ribbed valley metal and wall flashing systems to be installed on top of the underlayment system, correctly tied into the underlayment system to elevate the tile out of the water flow, which reduces the likelihood of debris accumulation that promotes leaks.
- 4) All penetrations and other vulnerable leak areas are to be flashed according to manufacturer, SMACNA and NRCA application instructions and construction details. Remove all existing flashings as necessary and seal flashings with applicable sealant. Remove and install all new penetrations passing through the panel, as to shed water on top of the metal and not under. The flashing seal must be made directly to the (Metal Roof) penetration. If applicable, paint to compliment the new roof system.

C. INSTALLATION OF METAL SYSTEM

- 1) Install the metal roof system in accordance with manufacturer's instructions and approved shop drawings.
- 2) The metal roof system selected shall be designed by the Manufacturer as a complete system. Design load application shall be in accordance with ASCE-7, current version.
- 3) Install the metal roof system so that it is weather tight and allows for thermal movements.
- 4) Do not allow panels or trim to come into contact with dissimilar materials.
- 5) Field cutting of panels, trim, and/or flashing shall be accomplished by hand or electric shears. At no time shall a hot/friction saw be used.
- 6) Accessories and their fasteners shall be capable of resisting the specified design wind uplift forces and shall allow for thermal movement of the roof panel system. Exposed fasteners shall not restrict free movement of the roof panel system resulting from thermal forces, except as designed points of roof panel fixity.

D. INSTALLATION OF ATTIC VENTILATION

- 1) Ventilation must meet or exceed current F.H.A., H.U.D. and local code requirements.
- 2) Install _____ number of Attic Breeze (Highest Quality) solar powered ventilator designed to allow the passage of damaging hot air and moisture out of attics. Color: _____
- 3) Alternate Venting Solution: _____

E. PROTECTION

- 1) Protect installed products from foot traffic until completion of the project. All foot traffic should be kept to a minimum and only walk on the roof when absolutely required; never step on the rib portion of the roof panel.
- 2) Any roof areas that are not completed by the end of the workday are to be protected from moisture and contaminants.

6. WARRANTY

- A. _____ Year 100% Workmanship Guarantee within the scope of this contract and all Manufacturers' written warranties will be issued upon completion of contract. Consult with Manufacturer for specific project warranty requirements.



RESIDENTIAL • COMMERCIAL • NEW CONSTRUCTION • RE-ROOFING • REPAIR • MAINTENANCE — Avoid Mistakes... Protect Your Investment... Trust Experience!

Name: CHESTNUT LAND TRUST

Metal System #1 - Manufacturer: PREMIER METALS

Style: PERMA SHIELD

Color: GALVALUME

Subtotal Price: \$ 9,350.00

Metal System #2 - Manufacturer: _____

Style: _____

Color: _____

Subtotal Price: \$ _____

Metal System #3 - Manufacturer: _____

Style: _____

Color: _____

Subtotal Price: \$ _____

Options:

#1 - Attic Insulation Upgrade

(Add Owens-Corning insulation during roofing project)

This option can provide significant tax credit and an ongoing average savings of 20% on your monthly energy bill.

• Install insulation with R-Value of 38

• Install insulation with R-Value of 49

• Install insulation with R-Value of 60

Subtotal Price: \$ _____

Subtotal Price: \$ _____

Subtotal Price: \$ _____

#2 - Guttering Upgrade - Install Rain Removal Systems, Guttering & Downspouts for Your Home

Subtotal Price: \$ _____

#3 - Chimney Cap Upgrade - DOES NOT INCLUDE TERMINATION VENT CAP

(Custom built, streamlined & non-ponding cap.)

• Galvanized Chimney Cap

• Stainless Steel Chimney Cap

Subtotal Price: \$ _____

Subtotal Price: \$ _____

#4 - Maintenance Program (See Maintenance Program Addendum for details.)

Subtotal Price: \$ _____

Additional Work to Be Done:

WE PROPOSE hereby to furnish material and labor — complete in accordance with above specifications, for the sum of:

Contract Price: \$ 9,350.00 [Initial] _____

Additional Option(s) specified above: _____ \$ _____ [Initial] _____

_____ \$ _____ [Initial] _____

_____ \$ _____ [Initial] _____

_____ \$ _____ [Initial] _____

_____ \$ _____ [Initial] _____

_____ \$ _____ [Initial] _____

TOTAL CONTRACT PRICE: \$ 9,350

NOTE: The roofing industry is currently experiencing extreme price volatility in asphalt-related products. Because firm prices cannot be obtained from suppliers, prices are subject to change. If there is an increase in the price of asphalt-related products, charge to the Contractor subsequent to making this Contract, the Contract shall be increased to reflect the additional cost to the Contractor, upon submittal of written documentation thereof.

[Signature] 6/16
Estimator - Arry's Roofing Services, Inc. / Date

[Signature] 6/16
*Customer/Owner / Date

*NOTE: I HAVE READ AND UNDERSTAND THIS PROPOSAL, THE TERMS AND CONDITIONS AND ALL DOCUMENTS REFERENCED THEREIN AND AGREE TO BE BOUND BY THEIR TERMS.

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administration Code 61G20-3.006, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a permit. We recommend you contact your local supplier should you not know the product approval number for any of the applicable listed products.

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1.EXTERIOR DOORS			
A.SWINGING			
B. SLIDING			
C. SECTIONAL			
D. ROLL UP			
E. AUTOMATIC			
F. OTHER			
2. WINDOWS			
A. SINGLE HUNG			
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. DOUBLE HUNG			
E. FIXED			
F. AWNING			
G. PASS THROUGH			
H. PROJECTED			
I.MULLION			
J.WIND BREAKER			
K. DUAL ACTION			
L. IMPACT WINDOWS			
3.PANEL WALL			
A. SIDING			
B.SOFFITS			
C. SHAKE			
D. STOREFRONTS			
E. CURTAIN WALLS			
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G. GLASS BLOCK			
H. MEMBRANE			
I. GREENHOUSE			
J. VINYL SIDING			
K. SIDING OPTIONAL			
4. ROOFING PROD.			
A. ASPHALT SHINGLES			
B. UNDERLAYMENT	Polyglass	MTS	FL5859.2
C. ROOFING FASTENING			
D. ROOF FASTENING			
E.METAL ROOF	Premier	PermaShield	FL30343.2
F. ROOFING TILES			
G.ROOFING INSULATION			
H. WATERPROOFING			
I.BUILT UP ROOFING ROOF SYSTEMS			
J. RIDGE VENT			
K. SGL PLY ROOF SYSTEM			
L. ROOFING SLATE			

Permit Number _____
Parcel ID Number 12-27-15-60228-000-0040

NOTICE OF COMMENCEMENT

State of Florida
County of Pinellas

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property (legal description) NOBLITT'S, G.E. LOT 4

a. Street (job) Address 227 HIBISCUS ST TARPON SPRINGS, FL 34689

2. General description of improvements ROOF REPLACEMENT

3. Owner Information or Lessee Information If the Lessee contracted for the improvement

a. Name and address BOCA GRANDE NORTH LAND TRUST CHESTNUT LAND TRUST SERVICES

b. Name and address of fee simple titleholder (if different than Owner listed above) 911 Chestnut St.

c. Interest in property OWNER Clearwater, FL 33756

4. Contractor Information

a. Name and address ARRY'S ROOFING SVC INC 401 E SPRUCE STREET, TARPON SPRINGS, FL

b. Telephone No. _____

5. Surety (if applicable, a copy of the payment bond is attached)

a. Name and address _____

b. Telephone No. _____

c. Amount of Bond \$ _____

6. Lender

a. Name and address _____

b. Telephone No. _____

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7, Florida Statutes

a. Name and address _____

b. Telephone No. _____

8. In addition to himself or herself, Owner designates _____ of _____

to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

a. Telephone No. of Person or entity designated by Owner _____

9. Expiration date of notice of commencement (the expiration date may not be before the completion of construction and final payment to the contractor, but will be one (1) year from the date of recording unless a different date is specified _____, 20____)

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

Under penalty of perjury, I declare that I have read the foregoing notice of commencement and that the facts stated therein are true to the best of my knowledge and belief.

(Signature of Owner or Lessee, or Owner's or Lessee's Authorized Officer/Director/Partner/Manager)

Matthew Housh
(Print Name and Provide Signatory's Title/Office)

The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ on-line notarization, this 11 day of June, 2024 by Matthew Housh, as Owner

(type of authority, e.g. officer, trustee, attorney in fact) for _____

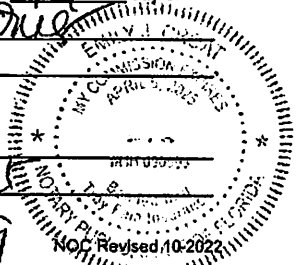
(name of party on behalf of whom instrument was executed).

Personally known ☒ OR Produced Identification ☐ Type of Identification Produced FLN

SIGNATURE OF NOTARY

PRINT NAME

Matthew Housh
HH090699



AFFIDAVIT

Permit Number: _____ Tax Folio Number: _____

Property Address: 227 Hibiscus St.

STATE OF FLORIDA
COUNTY OF Pinellas

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☐ the Owner's Authorized Agent
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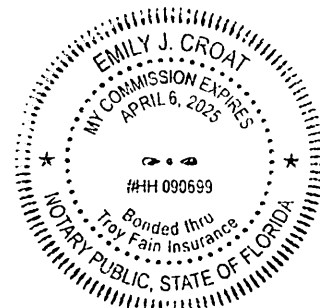
Print Name: James Hargis

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by James Hargis, who is personally known to me or has produced
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Notary Public Signature: Emily J. Croat

Print Name: Emily J. Croat

My Commission Expires: 4.6.25





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- 1) Ventilation must meet or exceed current F.H.A., H.U.D. and local code requirements.
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6. WARRANTY

- A. _____ Year 100% Workmanship Guarantee within the scope of this contract and all Manufacturers' written warranties will be issued upon completion of contract. Consult with Manufacturer for specific project warranty requirements.



METAL CONTRACT FORM
ARRY'S PREMIER SYSTEM

RESIDENTIAL • COMMERCIAL • NEW CONSTRUCTION • RE-ROOFING • REPAIR • MAINTENANCE — Avoid Mistakes... Protect Your Investment... Trust Experience!

Name: CHESTNUT LAND TRUST

Metal System #1 - Manufacturer: PREMIER METALS

Style: PERMA SHIELD

Color: GALVALUME

Subtotal Price: \$ 9,350.00

Metal System #2 - Manufacturer: _____

Style: _____

Color: _____

Subtotal Price: \$ _____

Metal System #3 - Manufacturer: _____

Style: _____

Color: _____

Subtotal Price: \$ _____

Options:

#1 - Attic Insulation Upgrade

(Add Owens-Corning Insulation during roofing project)

This option can provide significant tax credit and an ongoing average savings of 20% on your monthly energy bill.

• Install insulation with R-Value of 38

• Install insulation with R-Value of 49

• Install insulation with R-Value of 60

Subtotal Price: \$ _____

Subtotal Price: \$ _____

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#2 - Guttering Upgrade - Install Rain Removal Systems, Guttering & Downspouts for Your Home

Subtotal Price: \$ _____

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(Custom built, streamlined & non-ponding cap.)

• Galvanized Chimney Cap

• Stainless Steel Chimney Cap

Subtotal Price: \$ _____

Subtotal Price: \$ _____

#4 - Maintenance Program (See Maintenance Program Addendum for details.)

Subtotal Price: \$ _____

Additional Work to Be Done: _____

WE PROPOSE hereby to furnish material and labor — complete in accordance with above specifications, for the sum of:

Contract Price: \$ 9,350.00 [Initial] _____

Additional Option(s) specified above: _____ \$ _____ [Initial] _____

_____ \$ _____ [Initial] _____

_____ \$ _____ [Initial] _____

_____ \$ _____ [Initial] _____

_____ \$ _____ [Initial] _____

_____ \$ _____ [Initial] _____

TOTAL CONTRACT PRICE: \$ 9,350

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[Signature] 6/16
Estimator - Arry's Roofing Services, Inc. / Date

[Signature] 6/16
*Customer/Owner / Date

*NOTE: I HAVE READ AND UNDERSTAND THIS PROPOSAL, THE TERMS AND CONDITIONS AND ALL DOCUMENTS REFERENCED THEREIN AND AGREE TO BE BOUND BY THEIR TERMS.

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J.WIND BREAKER			
K. DUAL ACTION			
L. IMPACT WINDOWS			
3.PANEL WALL			
A. SIDING			
B.SOFFITS			
C. SHAKE			
D. STOREFRONTS			
E. CURTAIN WALLS			
F.WALL LOUVER			
G. GLASS BLOCK			
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I. GREENHOUSE			
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K. SIDING OPTIONAL			
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C. ROOFING FASTENING			
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E.METAL ROOF			
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L. ROOFING SLATE			

