

Historic District Review Board

Special Meeting Agenda

Cape Charles Civic Center

via Electronic Communications

January 5, 2021 3:00 P.M.

1. Call to Order; Roll Call
 - A. Roll call and establish a quorum
2. Public Comment: Agenda Items Only
3. Special Meeting Order of Business
 - A. Application for a Certificate of Appropriateness to demo and reconstruct a rear addition on a single-family detached dwelling at 212 Randolph Avenue – tax map #83A3-1-640.
 - B. Application for a Certificate of Appropriateness to replace a front porch on a single-family detached dwelling at 220 Jefferson Avenue – tax map #83A1-1-209.
 - C. Application for a Certificate of Appropriateness to extend an existing porch and to add screening on a single-family detached dwelling at 416 Randolph Avenue – tax map #83A3-1-596.
 - D. Application for a Certificate of Appropriateness to construct an addition on a single-family detached dwelling at 623 Jefferson Avenue – tax map #83A1-1-14A.
 - E. Pre-Application for a Certificate of Appropriateness to replace windows on a single-family detached dwelling at 208 Bay Avenue – tax map #83A3-2-6-11.
 - F. Pre-Application for a Certificate of Appropriateness to construct sign on a commercial building at 325 Mason Avenue – tax map #83A3-2-8-7.
 - G. Pre-Application for a Certificate of Appropriateness to enclose a deck on a single-family detached dwelling at 6 Randolph Avenue – tax map #83A3-2-2-82.
 - H. Pre-Application for a Certificate of Appropriateness to construct a two-story single-family detached dwelling on lot 369 Tazewell Avenue – tax map #83A3-1-369.
4. Adjourn



CERTIFICATE OF APPROPRIATENESS APPLICATION

Town of Cape Charles
2 Plum Street
Cape Charles, VA 23310
757-331-2036 Fax: 757-331-4820
planner@capecharles.org

PERMIT CHECKLIST - all documents can be emailed to the above email

- | | |
|---|---|
| ☐ Completed application | ☐ Photos/elevations of existing structure |
| ☐ Letter of intent clearly explaining project | ☐ Photos/elevations of proposed project |
| ☐ Existing site plan or survey | ☐ Proposed materials/spec sheets, samples |
| ☐ Proposed site plan or survey (if applicable) | ☐ Payment of fees (new construction >2,000 square feet \$500; new construction up to 2,000 square feet \$300; all other \$150; modification \$250) |

PROPERTY INFORMATION

Name of Project: DOBSON RESIDENCE RENOVATION
Property Address: 212 RANDOLPH AVE C.C
Brief Description of Project: MISC. DEMO & RECONSTRUCTION OF REAR ADDITIONS
Zoning District: R1 Current Use: SINGLE FAM. Proposed Use: SINGLE FAM

OWNER INFORMATION

Name and Company: DE & AMY DOBSON
Mailing Address: 1117 E. MARKET ST CHARLOTTESVILLE, VA 22902
Phone Number: 540 218 7546 Email: AMYDOB7@YAHOO.COM

APPLICANT INFORMATION

☐ check here if applicant is owner

Name: LEON PARHAM - ARCHITECT
Mailing Address: 5377 MOCKHORN BAY DR CC. 23310
Phone Number: 757 331 0591 Email: TRKTEK@ICLOUD.COM

CERTIFICATION OF APPLICANT

I hereby certify that I have the authority to make the foregoing application, that the information given is true and correct, and that the construction or improvements will conform to the regulations in the Virginia Statewide Building Code, all pertinent Town Ordinances, including fire, sewer and water ordinances, and private building restrictions, if any, which may be imposed on the property by deed. Furthermore, I certify that the changes to the improvement before or during construction will be provided to the Zoning Administrator and Building Official before such changes are constructed.

Signature of Applicant: [Signature] Date: 11/9/20

Note: There is a required 30-day wait period between approval of a Certificate of Appropriateness and issuance of the permit for construction.

Parham Architect
5377 Mockhorn Bay Drive
Cape Charles, VA 23310
757-331-0591
rktek@icloud.com
www.parhamarchitect.com

12/4/2020

Via: email tracy.outten@capecharles.org

Re: Residence renovation for the Dodsons, 212 Randolph Avenue, Cape Charles, VA

Tracy Outten Planning
Cape Charles, VA

Dear Tracy:

In regard to the above proposed residence renovation, I believe we put off a decision on the roofing material at the previous meeting to allow for investigation.

Since then I have looked at a number of repairs or “restorations” in town of similar metal tile roofs, which all seem to pretty rough to me, nothing that I would accept. I consulted my “go to” roofer who has worked with new metal tile roofs and he pointed out that the new addition rear roof could not be that type of shingle due to the slope, would require standing seam if it were metal. I also had a similar conversation with Kerry in that regard as well. The standing seam would not be compatible with the existing or new tile.

I am back to proposing all existing and new roof to be standing seam roof per original application.

Let me know if you have any questions. Thanks for the consideration.

Sincerely,

Leon F Parham R.A., NCARB



PARHAM

210 HARBOR AVENUE, CAPE CHARLES VIRGINIA 23310-3217
757.331.8133 ... rktek@icloud.com
PARHAM ARCHITECT, R A, NCARB

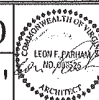
Dodson Residence Addition/Alteration
212 RANDOLPH AVENUE, CAPE CHARLES, VA

PRELIMINARY ELEVATIONS

LP

7/6/20

1/8"=1'

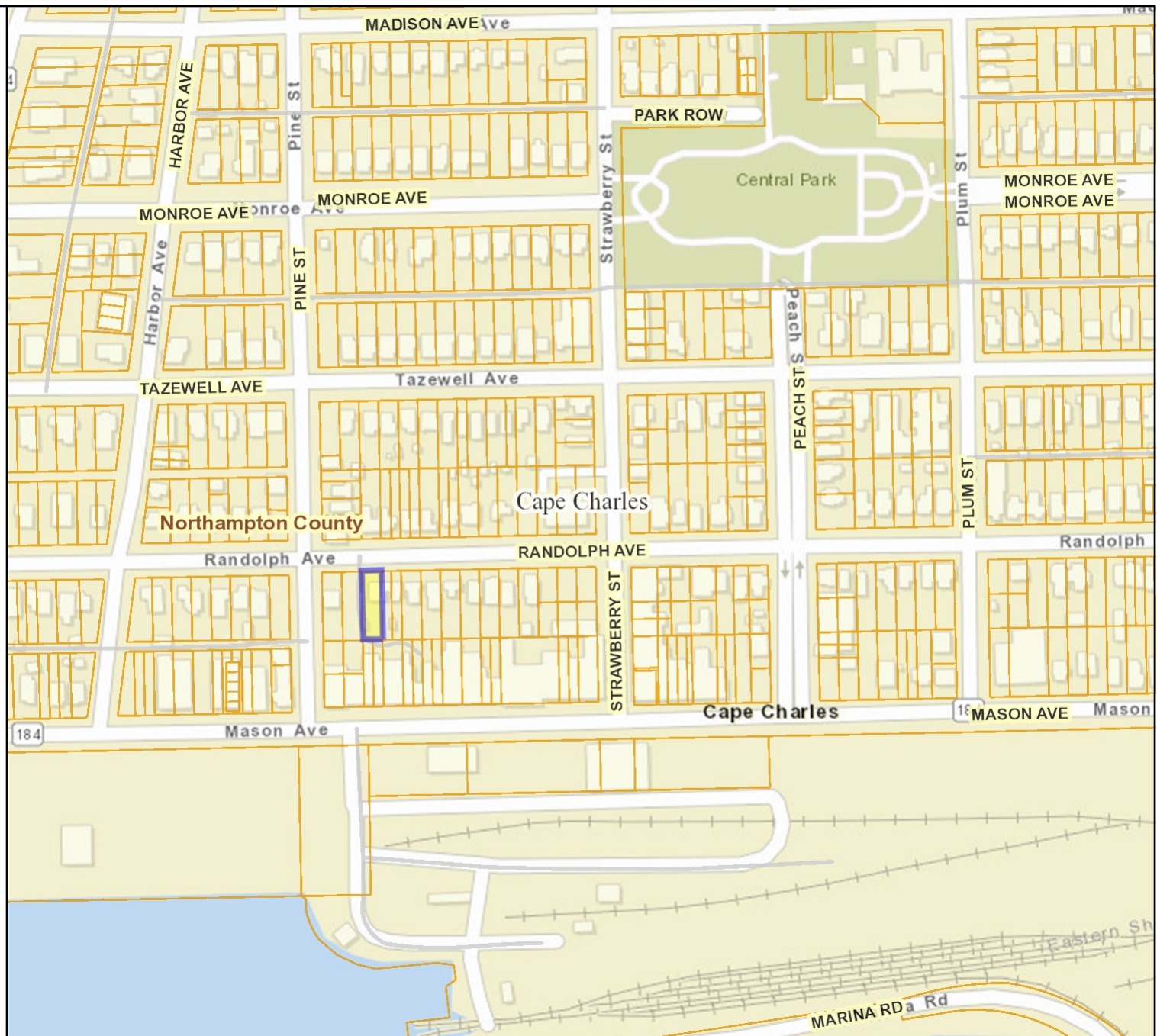


SK-2'

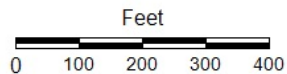
Northampton County, Virginia

Legend

- County Boundaries
- Town Names
- Route Numbers
- Road Labels
- Parcels
- Driveways



Map Printed from Northampton
<http://northampton.mapsdirect.net/>



Title: 212 Randolph Avenue

Date: 10/28/2020

DISCLAIMER: This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records, information, and data obtained from various sources, and Northampton County is not responsible for its accuracy or how current it may be.



HISTORIC DISTRICT REVIEW BOARD

STAFF REPORT

Meeting Date: January 5, 2021

Item #: 3B

Prepared By:	Staff
Site Address:	220 Jefferson Ave (Tax Map # 83A1-1-14A)
Applicant:	Michael Hoag
Owner:	Michael Hoag
Proposed Development:	Re-construct a front porch on a single-family dwelling
Current Zoning:	<u>Single-Family Residential (R-1)</u>: This zoning district is intended to provide quiet, medium density, single-family residential development plus provide open areas where similar residential development appears likely to occur. The regulations for this district are designed to stabilize and protect the essential characteristics of the district, to promote and encourage a suitable environment for family life where there are children, and to restrict all activities of a commercial nature...” <u>Historic District Overlay</u>: The purpose of this district is to provide for protection against destruction or encroachment upon historic areas, buildings, monuments, or other features, or buildings and structures of recognized architectural significance which contribute or will contribute to the cultural, social, economic, political, artistic, or architectural heritage of the Town of Cape Charles and the Commonwealth of Virginia. It is the purpose of the district to preserve the designated historic areas and historic landmarks and other historic or architectural features, and their surroundings within a reasonable distance, from destruction, damage, defacement, and obvious incongruous development or uses of land and to ensure that buildings, structures, streets, walkways, or signs shall be erected, reconstructed, altered, or restored so as to be kept architecturally compatible with the character of the general area in which they are located and with the historic buildings or structures within the district.

Description of Proposed Project:

The subject property is a 40 x 140 lot with an existing two-story single-family home. The applicant had previously removed the front deck and steps. A stop work order was issued and the applicant applied for the appropriate approval of the project through the Historic District Review Board. The request is to replace the deteriorating front porch, steps and railing. The total square footage of the porch is 18 feet by 6.5 feet.

The following materials proposed for the project include: pressure treated lumber for deck supports; TimberTech/Azek pvc tongue and groove deck boards; vinyl or composite railing; brick steps; and reusing the pre-existing handrail. A change of materials, following approval, must be approved by the HDRB through a new application for modification.

It appears the pre-existing steps were closer than the prevailing front setback, therefore, the steps must be considered non-conforming and replaced on the exact footprint of the pre-existing steps in order to be located as close to the front property line as possible. A variance must be approved by the BZA to allow additional encroachment.

Staff Recommendation:

Review the attached materials and discuss any questions or concerns regarding the application. Decide whether the Board finds that a Certificate of Appropriateness is approved for the application.

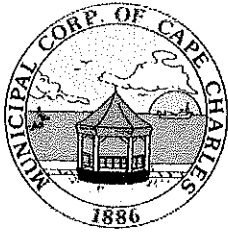
Attachments:

Attachment 1 – Application and Documents

Attachment 2 – Location Map







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Town of Cape Charles
2 Plum Street
Cape Charles, VA 23310
757-331-2036 Fax: 757-331-4820
planner@capecharles.org

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PROPERTY INFORMATION

Name of Project: Front porch and steps replacement
Property Address: 220 Jefferson Ave.
Brief Description of Project: Stabilize + Replace Porch / Front Steps
Zoning District: R-1 Current Use: Residential Proposed Use: Residential

OWNER INFORMATION

Name and Company: Michael Hoag
Mailing Address: PO Box 268, Cape Charles, VA 23310
Phone Number: 757-647-6712 Email: mhoag202@gmail.com

APPLICANT INFORMATION

☒ check here if applicant is owner

Name: Michael Hoag
Mailing Address: PO Box 268, Cape Charles, VA 23310
Phone Number: 757-647-6712 Email: mhoag202@gmail.com

CERTIFICATION OF APPLICANT

I hereby certify that I have the authority to make the foregoing application, that the information given is true and correct, and that the construction or improvements will conform to the regulations in the Virginia Statewide Building Code, all pertinent Town Ordinances, including fire, sewer and water ordinances, and private building restrictions, if any, which may be imposed on the property by deed. Furthermore, I certify that the changes to the improvement before or during construction will be provided to the Zoning Administrator and Building Official before such changes are constructed.

Signature of Applicant: Michael Hoag Date: 11.18.2020

Note: There is a required 30-day wait period between approval of a Certificate of Appropriateness and issuance of the permit for construction.

Town of Cape Charles Planning & Zoning Department
2 Plum St. • Cape Charles, VA 23310 • 757-331-2036 • capecharles.org

To: Allyson Finchum, Cape Charles Town Planner & Zoning Administrator

Via: Tracy Outten, Planning Technician

From: Michael Hoag

A handwritten signature in black ink, appearing to read "mhoag", enclosed within a hand-drawn oval.

Date: November 18, 2020

Subject: Letter of Intent for Certificate of Appropriateness and Building Permit

The purpose of this letter is to detail a project for the removal and replacement of the front porch decking, steps, and railing for my home at 220 Jefferson Ave.

The front porch is elevated approximately 5 feet from ground level and measures 18'x 6.5' (117 sq/ft). The tongue and groove deck boards of the front porch were rotting out from age and it was becoming unsafe to walk on the porch. Upon inspection of the framing members supporting the porch deck it was evident that they too were deteriorating, were not compliant with current building code, and were in need of replacement. (see attached photos)

The front steps leading up to the porch also were not compliant with current building code. The first step consisted of an 8"x 8" concrete block and the remaining steps were wood. The risers and tread lengths of the wooden steps were inconsistent and were a hazard to navigate. (see attached photos)

This project will consist of the following steps and all materials used will be architecturally compatible with the other structures in the general area:

- Reframe porch deck supports using 6x6, 4x6, & 2x8 pressure treated lumber
- Replace tongue and groove porch deck boards with TimberTech/Azek pvc tongue and groove deck boards (Slate Gray)
- Replace porch railing with vinyl or composite railing (White)
- Replace non-compliant wood and concrete steps with brick steps compliant with current building code
- Replace handrail on steps with existing handrail removed from wooden steps

I have already removed the existing porch and steps and the new porch was scheduled to be replaced on November 19th. Currently, when I open my front door, there is a five-foot drop to the ground. (see attached photo) I know that ignorance of the Historic District Guidelines (HDG) is no excuse on my part. However, I did not think I needed review and approval to address and rectify a safety hazard with my home.

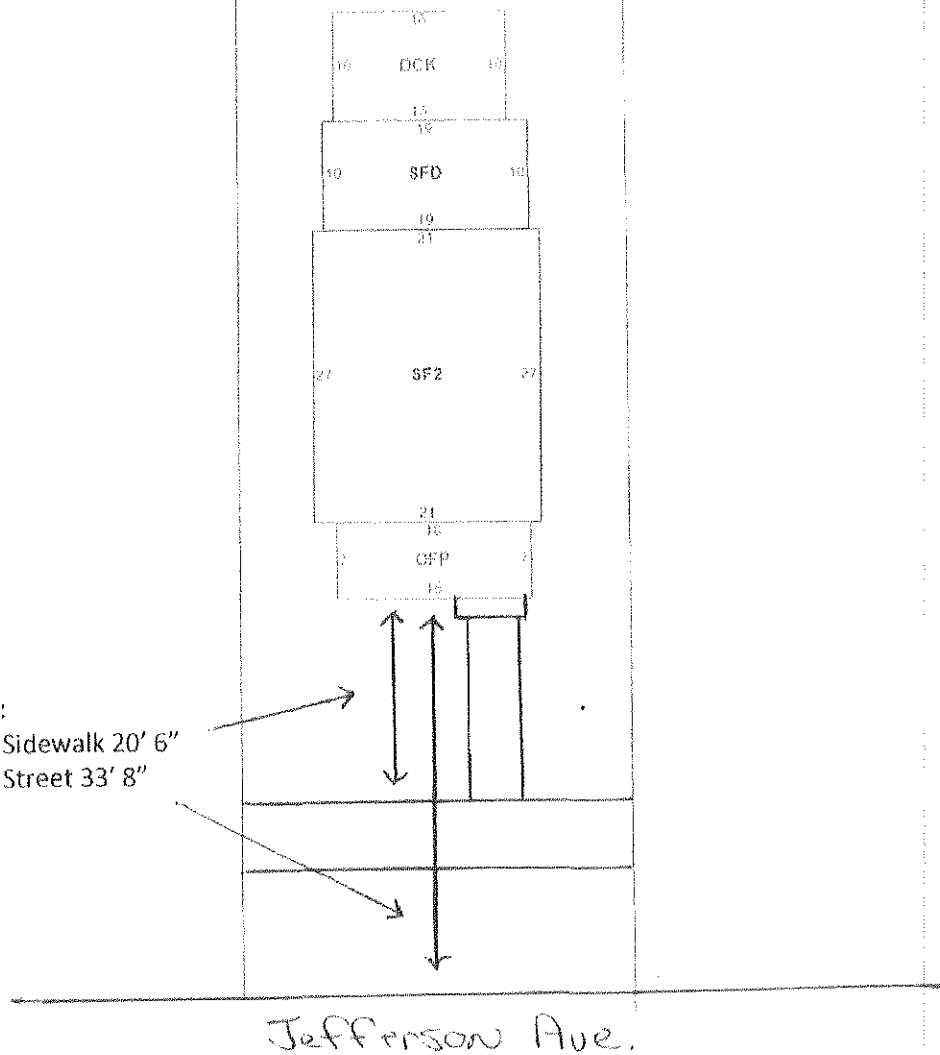
In reviewing the Historic District Guidelines today, I saw that you, as Zoning Administrator, has the authority to approve minor additions or alterations, which is what my project is (p. 17). It is essentially rectifying an unsafe situation by building a new 117 sq/ft porch deck and steps on the front of my house. All of the materials I am using meet the intent of the Historic District Guidelines and will greatly improve and enhance the appearance of my home.

Currently, my front door cannot be used as a means of egress in the event of a fire or other emergency and I would prefer not going another 2-4 weeks with limited egress from my home. I am not asking for any special exemptions or exceptions from the review process, but this is a small project and per the Historic District Guidelines you have the authority to approve it.

The main goal of this project is for the safety of my family and guests by improving the structural stability of the front porch and making the front steps easier to navigate. Approval of this project will achieve that goal, it will meet the intent of the Historic District Guidelines, and will preserve the historical and architectural aspects of my home. Your timely review and approval of this application is greatly appreciated. Thank you in advance for your time and consideration.

220 Jefferson Ave.
Lot Size 40' x 140'

Setbacks:
Porch to Sidewalk 20' 6"
Porch to Street 33' 8"



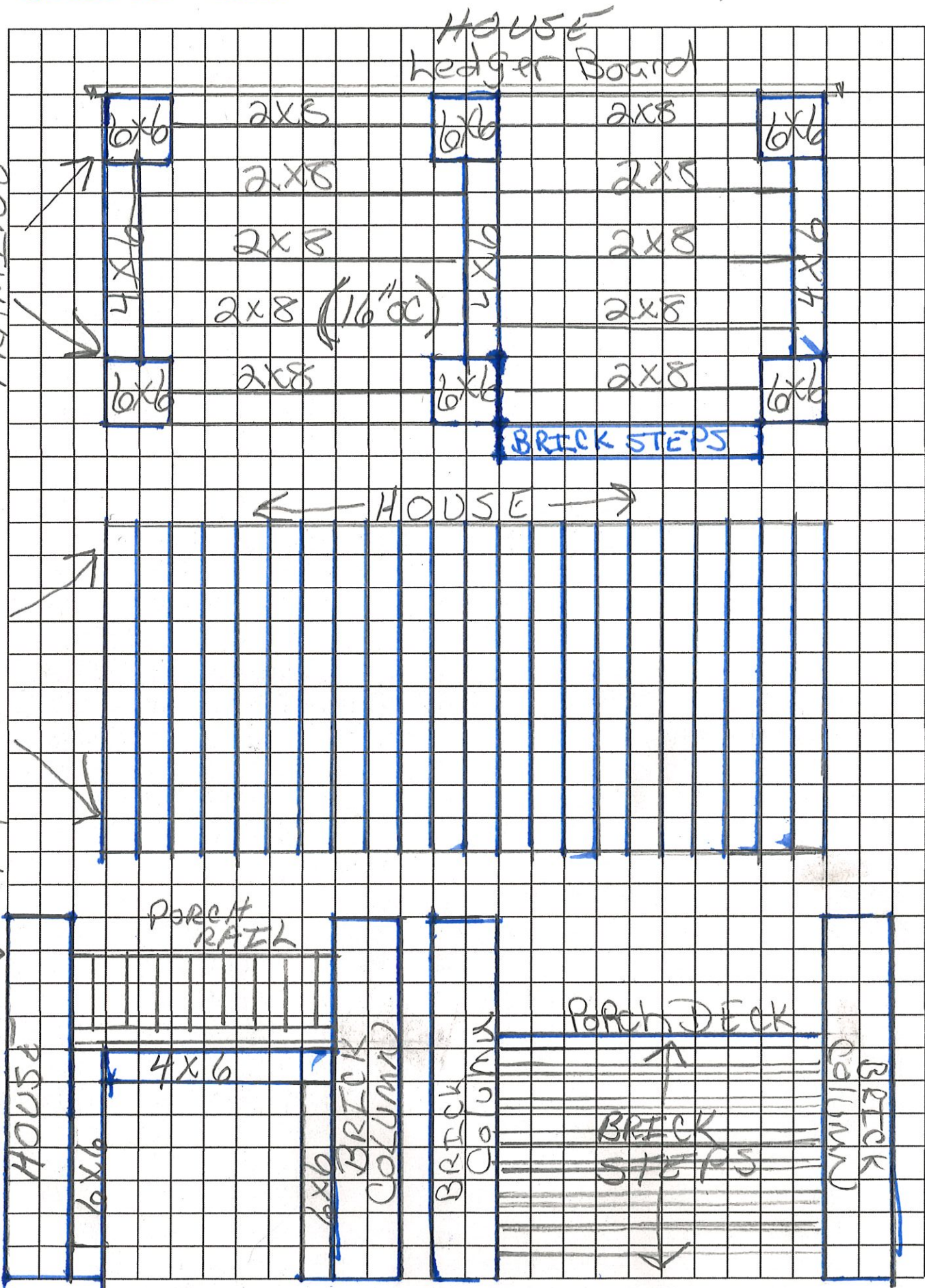
220 Jefferson Ave.

TOP VIEW

FRAMING

Tongue + Groove
Deckings to Run
Perpendicular to House

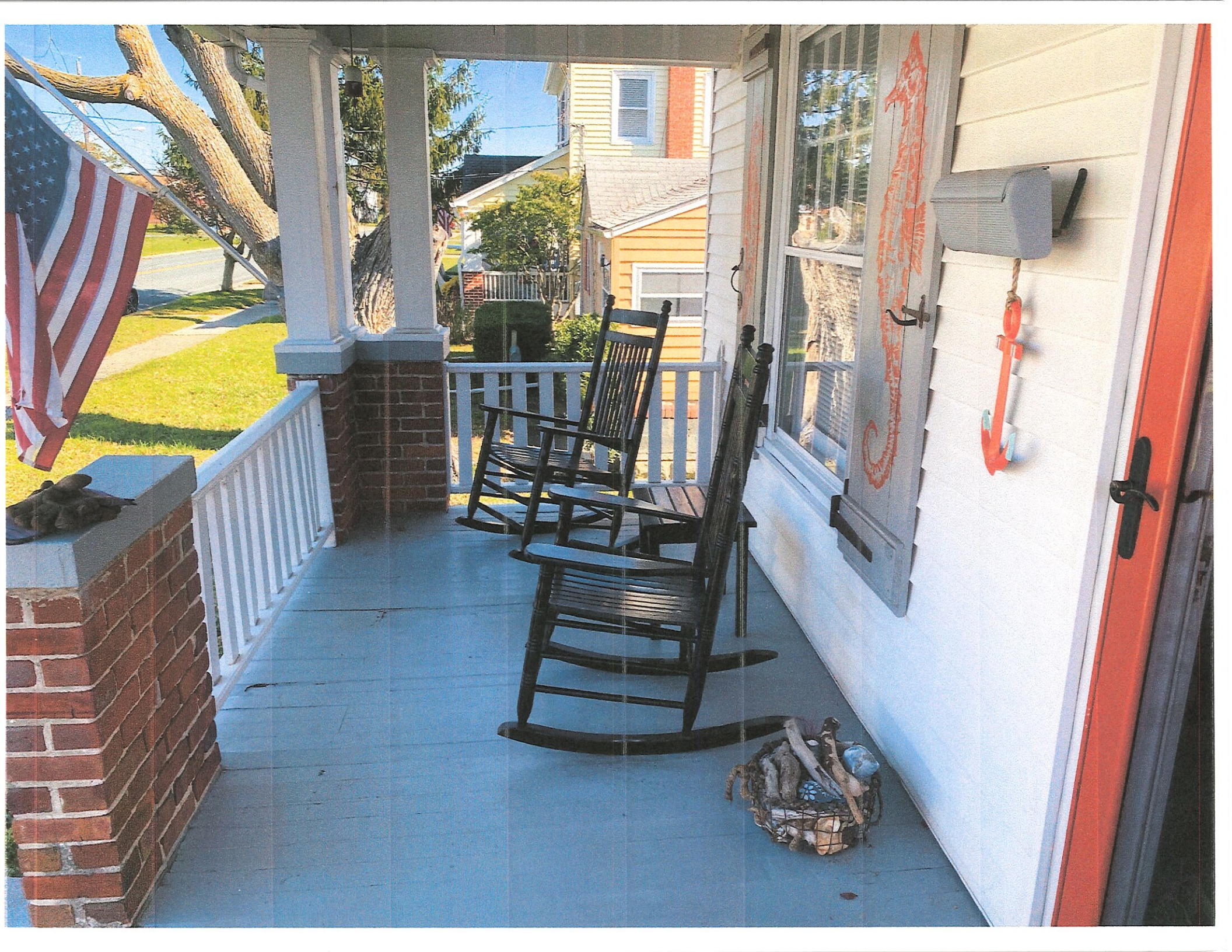
SIDE VIEW



FRONT VIEW
BRICK STEPS







TOP



TOP



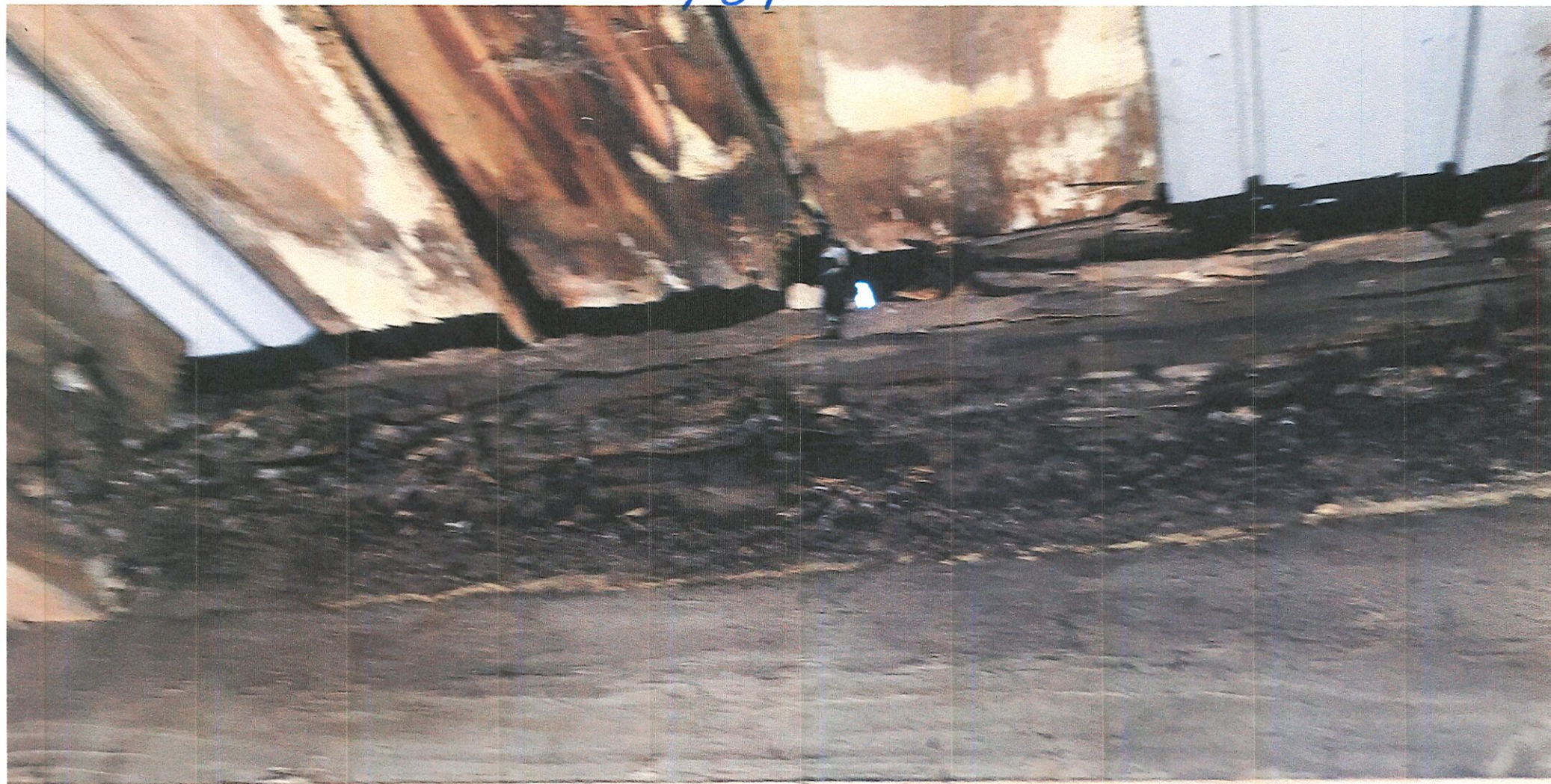
TOP



TOP



Top







FREE SAMPLES

REQUEST A QUOTE

LOGIN

CART 0

SEARCH

FOR PROS

Design ▾

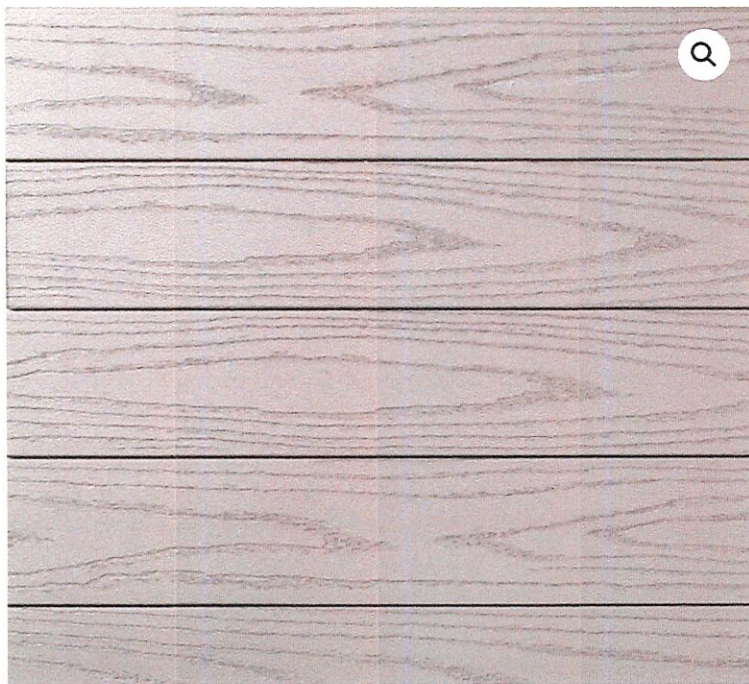
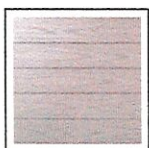
Products ▾

Why TimberTech ▾

Resources ▾

Outdoor Living Ideas

Get Started ▾



[Home](#) > [Products](#) > [Porch](#) > Porch Collection

Porch Collection

Amp up your curb appeal – you deserve it. TimberTech's high-performance, capped-polymer porch boards are designed with a tongue-and-groove system so that there's minimal gapping between boards. Give your porch a beautiful, stylish floor, with the added benefits of composite decking.

Available in standard width. Coastline®, Mahogany, Weathered Teak®, and Dark Hickory also available in wide width.

Porch Color



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GOT IT





FREE SAMPLES

REQUEST A QUOTE

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CART 0

SEARCH

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[Home](#) > [Products](#) > [Railing](#) > [Traditional Composite Railing](#) > [Classic Composite Series](#) > RadianceRail®

RadianceRail®

The Classic Composite Series is a simple system with endless design options to compliment any home. Offering four top rails to choose from and multiple infill options, customize the look to suit your style. You can't go wrong with this long-lasting, beautiful railing.

Configure your railing to suit your style. [See options.](#)

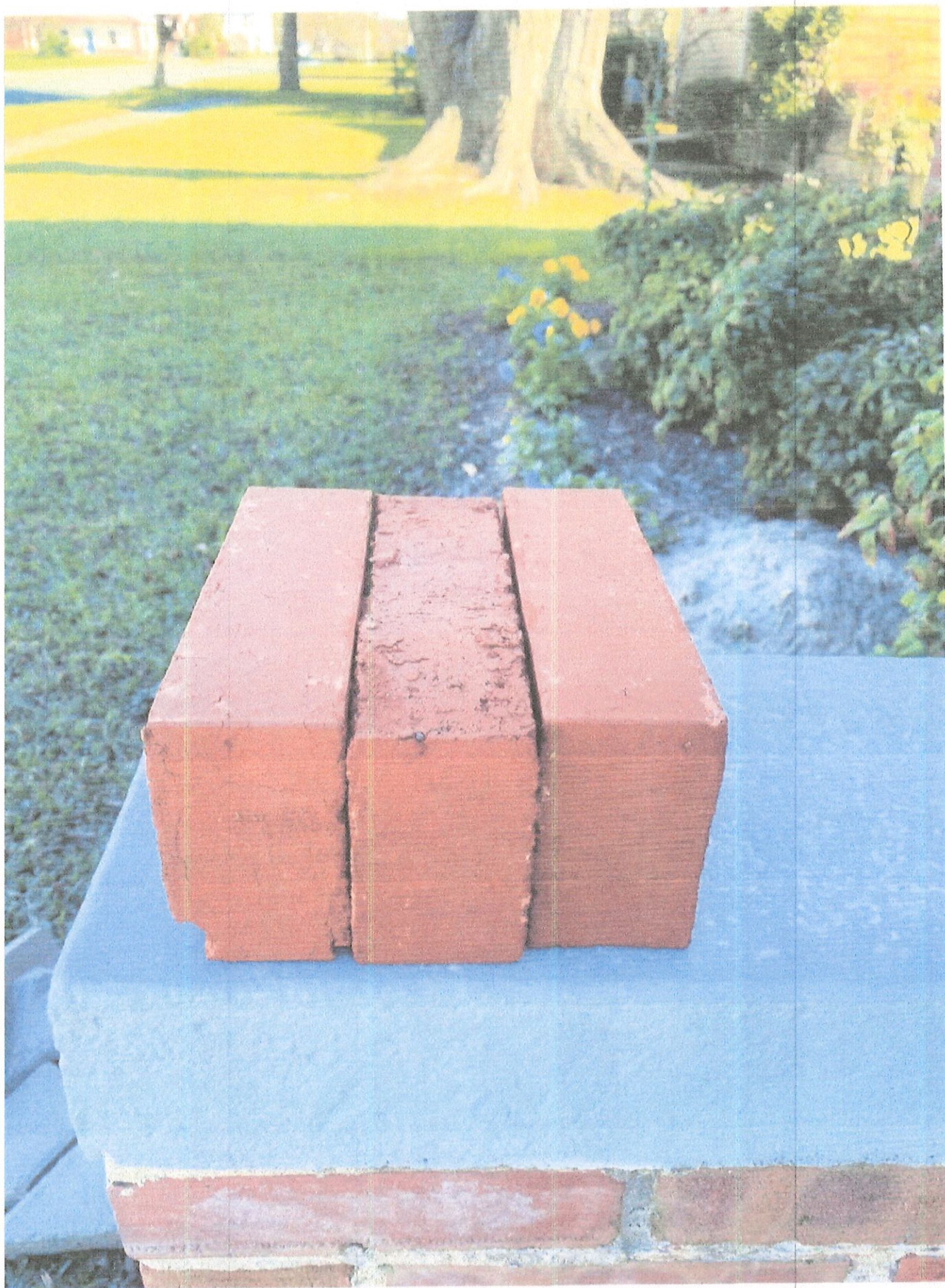
Classic Composite Series Kona®, Slate Gray and Brownstone colors will be discontinued for 2021. Please verify availability with your local dealer before ordering. Use our [Where To Buy tool](#) to find your local dealer.

Color



This site uses cookies to ensure you get the best experience. [LEARN MORE](#)

GOT IT



Other historic homes in the 200 block of Jefferson Avenue with brick steps and vinyl railing.

211 Jefferson Ave



217 Jefferson Ave



224 Jefferson Ave



From: [Mike Hoag](#)
To: [Tracy Outten](#)
Subject: Fwd: 220 Jefferson Avenue - COA HDRB
Date: Sunday, December 6, 2020 7:29:36 PM
Attachments: [7BF70ADE-E9B3-433D-B9EE-7640294FED30.heic](#)
[3F32CEC2-7810-4E82-9885-4512B5459194.heic](#)
[9CAAEE1CD-ACCE-4940-8AA6-0C0379E43F05.heic](#)
[2B513BDA-B57E-4820-84AF-E91F22199BAE.heic](#)
[E8BC2987-E856-4CEA-AD1F-47A72451AF1C.heic](#)

Hi Tracy,

Per your request the distance from my porch to the sidewalk is 15' 2 1/2". Please see the attached photo. I also included pictures of some homes within a 400' radius of mine that have brick steps that extend beyond the brick columns. Let me know if you need anything else. Thanks.

Mike Hoag
757-647-6712

----- Forwarded message -----

From: **Mike Hoag** <mhoag202@gmail.com>
Date: Sun, Dec 6, 2020 at 7:25 PM
Subject: Re: 220 Jefferson Avenue - COA HDRB
To: Tracy Outten <tracy.outten@capecharles.org>

Hi Tracy,

On Fri, Dec 4, 2020 at 11:01 AM Tracy Outten <tracy.outten@capecharles.org> wrote:

Hi Mike,

Would you please send me the measurement from the bottom step to the sidewalk?

Tracy

Tracy Outten, CMC

Planning Technician

Town of Cape Charles

2 Plum Street

Cape Charles, Virginia 23310

757-331-3259, ext. 24

www.capecharles.org





205

PEACOCK
COTTAGE
Garden Hose Co.
H2020-1000
www.hoseco.com



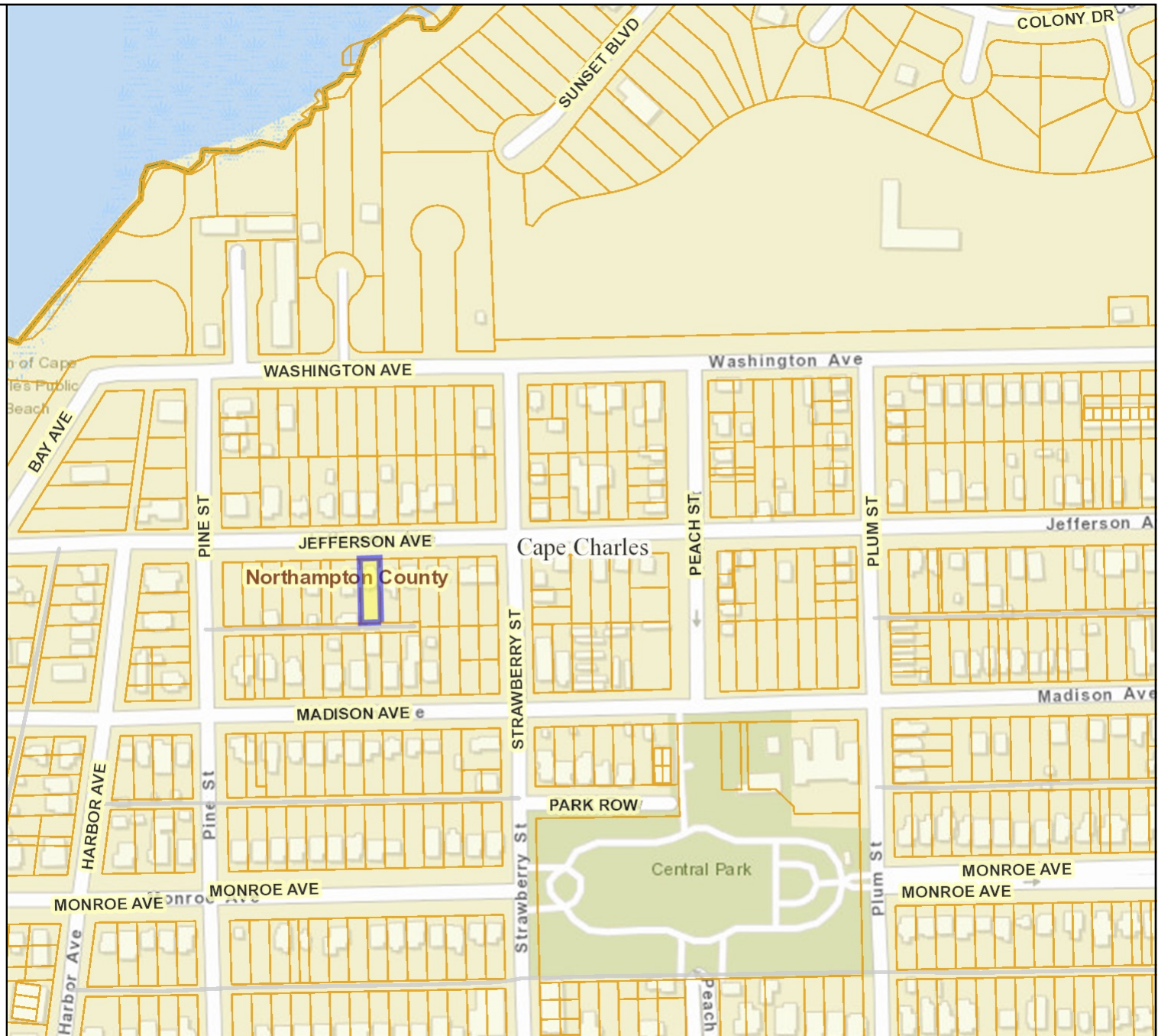




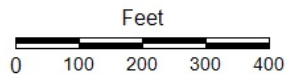
Northampton County, Virginia

Legend

-  County Boundaries
-  Town Names
-  Route Numbers
-  Road Labels
-  Parcels
-  Driveways



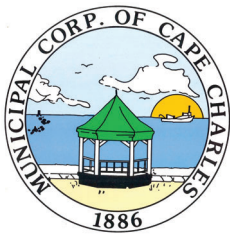
Map Printed from Northampton
<http://northampton.mapsdirect.net/>



Title: 220 Jefferson Avenue

Date: 11/20/2020

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PROPERTY INFORMATION

Name of Project: Pearlberg Back Porch Extension
Property Address: 416 Randolph Ave Cape Charles, VA 23310
Brief Description of Project: Extension of existing porch, screen in entire porch
Zoning District: HD Current Use: Porch Proposed Use: Porch

OWNER INFORMATION

Name and Company: June Pearlberg
Mailing Address: 405 Mt. Carmel Road East Fallowfield, PA 19320
Phone Number: (610)764-4793 Email: jmop@msn.com

APPLICANT INFORMATION

☒ check here if applicant is owner

Name: _____
Mailing Address: _____
Phone Number: _____ Email: _____

CERTIFICATION OF APPLICANT

I hereby certify that I have the authority to make the foregoing application, that the information given is true and correct, and that the construction or improvements will conform to the regulations in the Virginia Statewide Building Code, all pertinent Town Ordinances, including fire, sewer and water ordinances, and private building restrictions, if any, which may be imposed on the property by deed. Furthermore, I certify that the changes to the improvement before or during construction will be provided to the Zoning Administrator and Building Official before such changes are constructed.

Signature of Applicant: June O Pearlberg Date: October 31, 2020

Note: There is a required 30-day wait period between approval of a Certificate of Appropriateness and issuance of the permit for construction.

Town of Cape Charles Planning & Zoning Department
2 Plum St. • Cape Charles, VA 23310 • 757-331-2036 • capecharles.org

From: [june.pearlberg](#)
To: [Tracy Outten](#)
Subject: Pearlberg Porch 416 Randolph-Revised letter of intent and materials list
Date: Sunday, November 8, 2020 8:18:33 AM

Regarding porch extension 416
Randolph:

The Intent of this project is to
extend the back porch length by
16 feet maintaining the original
roof line, screen entire porch
structure for personal use.

Materials list:

Concrete footers x 6

6x6 pressure treated posts x6

Pressure treated floor joists

Pressure treated ceiling joists

Plywood ceiling panels

Roofing paper

Asphalt roofing shingles

Azek 5.25 inch deck flooring

Pressure treated 2x4
Screen Tight Porch Screening System-
"No See um" mesh screening -

Please advise if further info
needed.

Thank you

June Pearlberg

[610-764-4793](tel:610-764-4793)

030001254

Made with Scanner for Me

ON 4-1-03, WE SURVEYED THE PROPERTY
AT THE TITLE LINES AND PHYSICAL IMPROVEMENTS ARE
IMPROVEMENTS STAND STRICTLY WITHIN THE TITLE LINES
AND THERE ARE NO ENCROACHMENTS OR VISIBLE EASEMENTS EXCEPT AS SHOWN.

M.S.A., P.C.

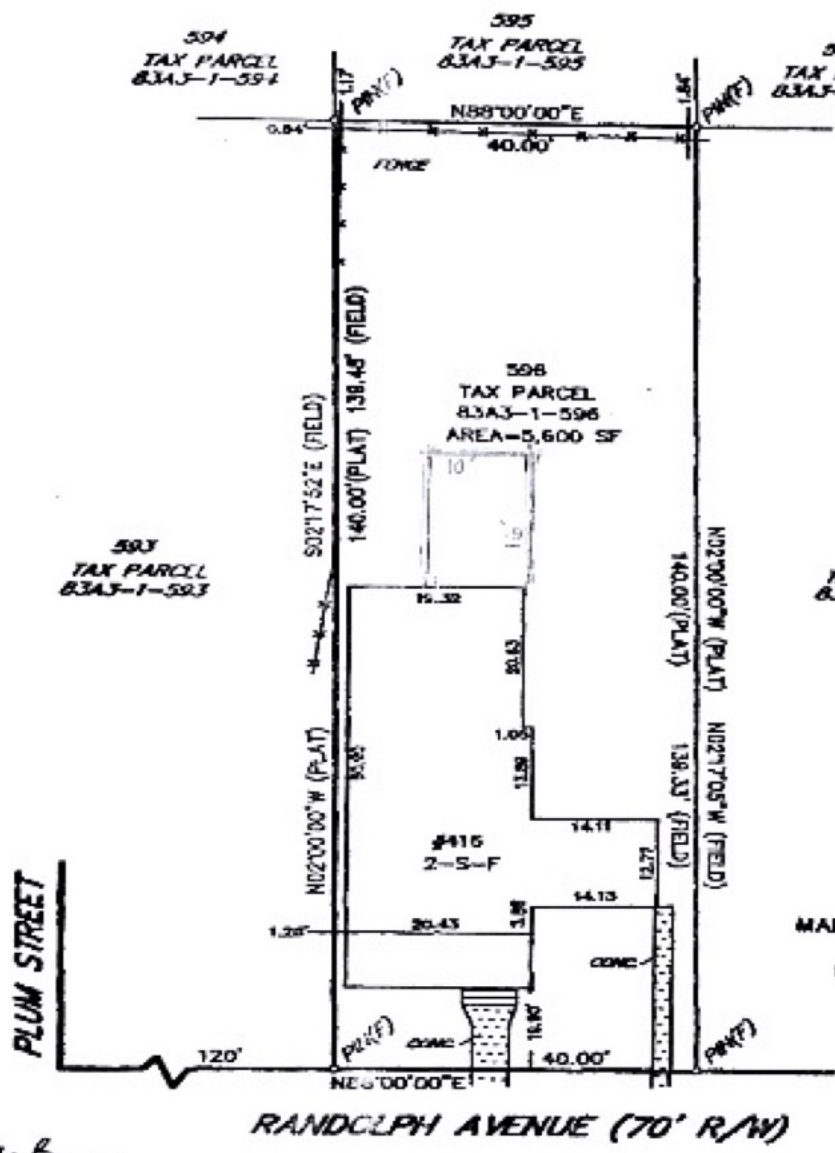
- NOTES:
1. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT AND MAY NOT SHOW ANY/ALL EASEMENTS OR RESTRICTIONS THAT MAY AFFECT SAID PROPERTY AS SHOWN.
 2. FLOOD ZONE INFORMATION SHOWN HEREON IS NOT GUARANTEED AND WAS APPROXIMATELY SCALED FROM F.E.M.A. FLOOD MAPS. WALKER-STEPHENSON & ASSOCIATES, P.C. IS NOT A PARTY IN DETERMINING THE REQUIREMENTS FOR FLOOD INSURANCE ON THE PROPERTY SHOWN HEREON FOR FURTHER INFORMATION AND TO CONFIRM THE FLOOD ZONE FOR THIS PROPERTY, CONTACT THE LOCAL COMMUNITY FLOOD OFFICIAL.
 3. ELEVATIONS SHOWN HEREON REFER TO M.S.L. D. 1929. THIS PROPERTY APPEARS TO FALL IN FLOOD ZONE(S) AS (F10) COMMUNITY NO. 090105.
- PANEL 10 DATED: FEB 2, 1993
- FLOOD ZONE DETERMINATION IS BASED ON THE FLOOD INSURANCE RATE MAPS AND DOES NOT IMPLY THAT THIS PROPERTY WILL OR WILL NOT BE FREE FROM FLOODING OR DAMAGE.

BY: Walter R. Stephenson

COMMONWEALTH OF VIRGINIA
WALTER R. STEPHENSON
886
LAND SURVEYOR

REFERENCES
DB 41 PG. 484

DB 41 PG. 488-486



Pearlberg
416 Randolph Ave

PHYSICAL SURVEY
OF
LOT 596
MAP OF THE TOWN OF CAPE CHARLES
CAPEVILLE DISTRICT
NORTHAMPTON COUNTY, VIRGINIA
FOR
RICHARD G. WAGNER
AND
AMY D. WAGNER

Cela Burge
Iron Manager
for
Iron of Cape Charles
404423

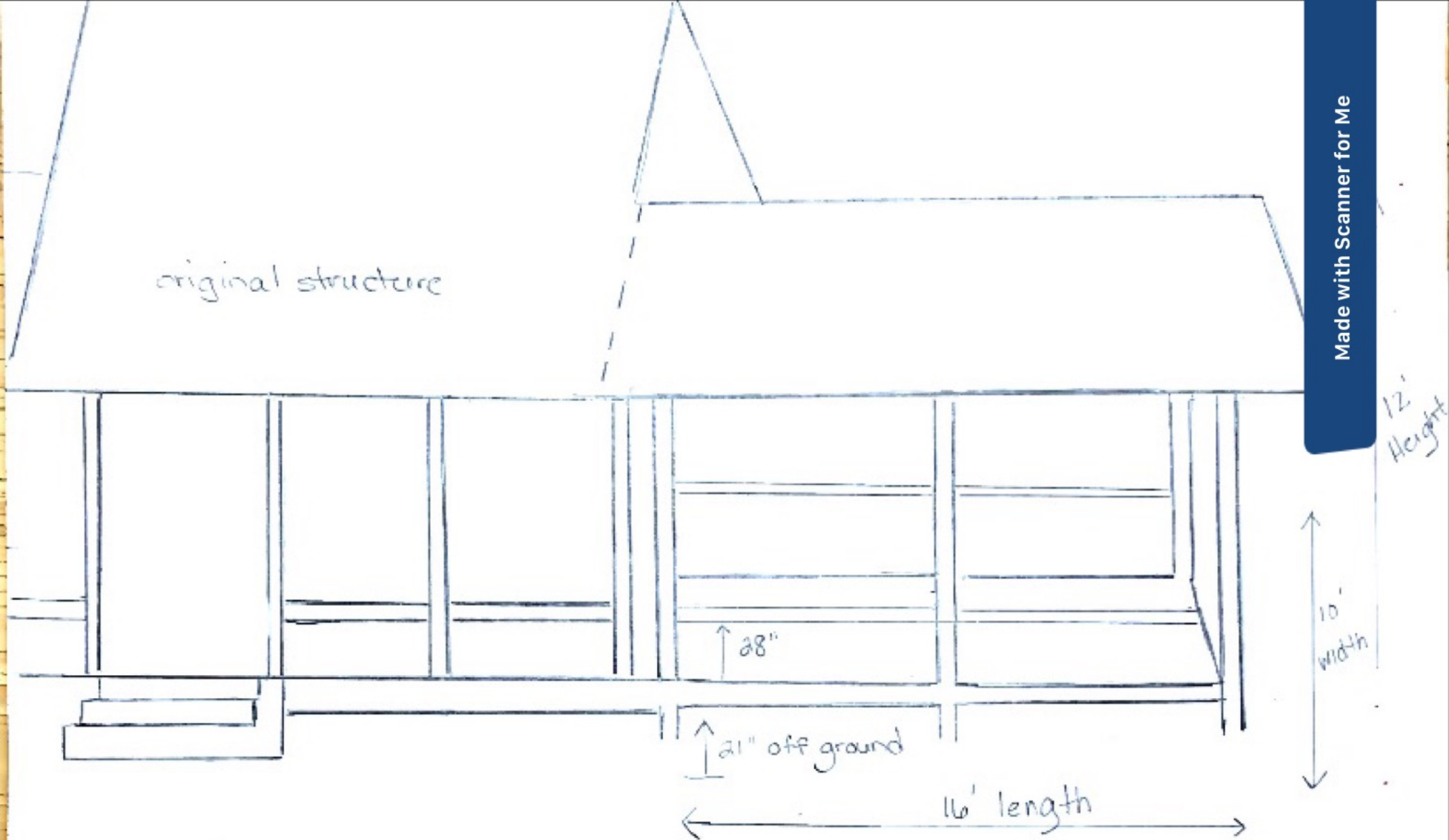


MSA, P.C.
Landscape Design • Planning • Surveying
Engineering • Environmental Sciences
10305 LANFORD HWY., EASTVILLE, VA 23047
PHONE (757) 476-2622 • FAX (757) 476-2624



DWN BY: DJC
FB: CS 289 PG.65

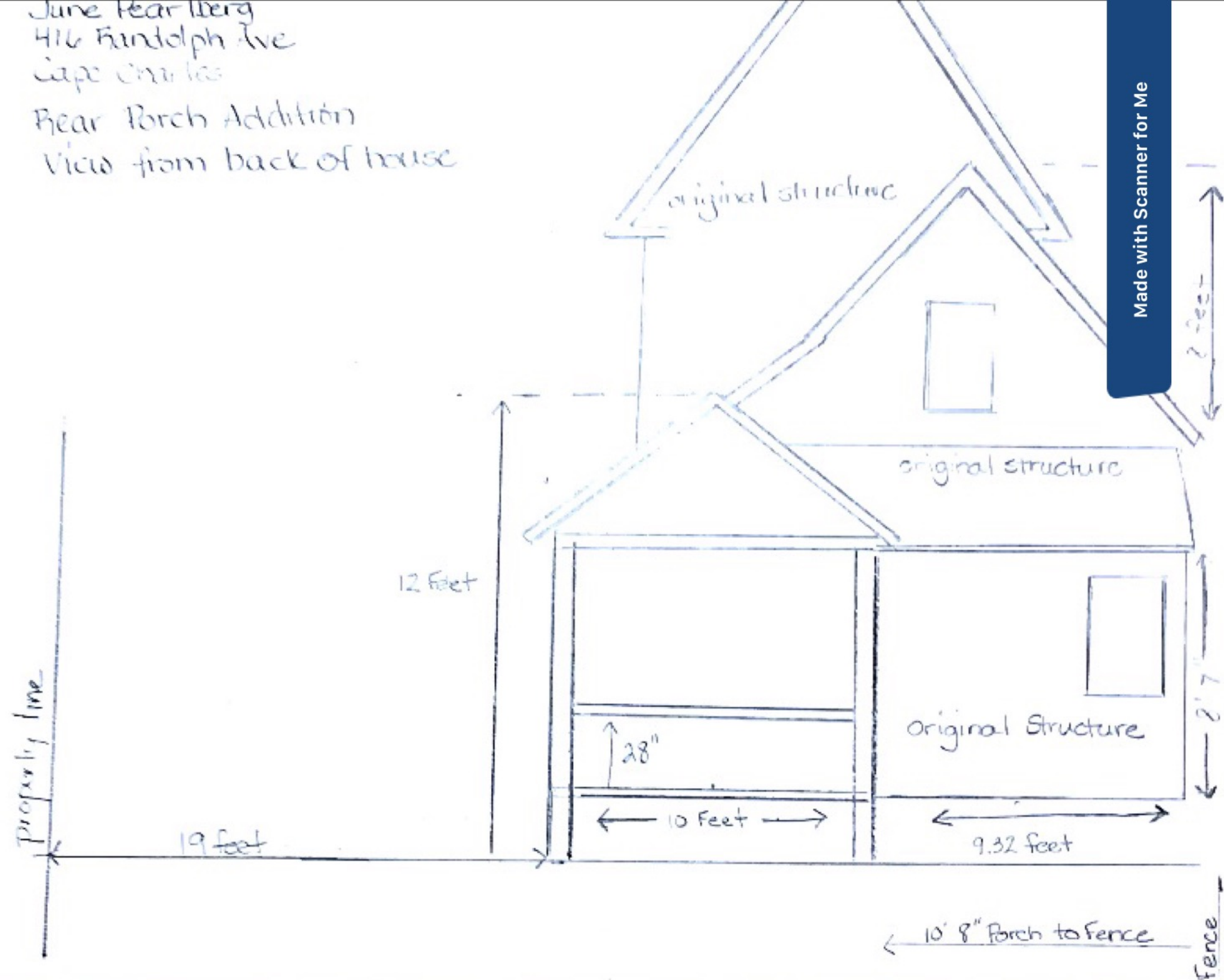
JOB# 03749
SCALE: 1"=20'



JUNE Pearlberg
 416 Randolph Avenue
 Cape Charles
 Rear Porch Addition
 Side View

Total Square Footage = 160 sq. feet
 Footers 3 foot depth ± poured concrete

June Pearlberg
416 Randolph Ave
Cape Charles
Rear Porch Addition
View from back of house



**June Pearlberg
416 Randolph Ave.
Cape Charles, VA 23310**

Rear Porch. Specifications and Materials List

Specifications

- 10' x 16'; total 160 square feet
- 12' ceiling height on center
- 21" deck height from ground
- 19' from property on right hand side
- 51' from back property line
- 10' 8" from property on left hand side; (fenced side of property)
- 2 – steps from ground to deck. Risers no greater than 8" and tread depth of 9" on fence side of the porch.

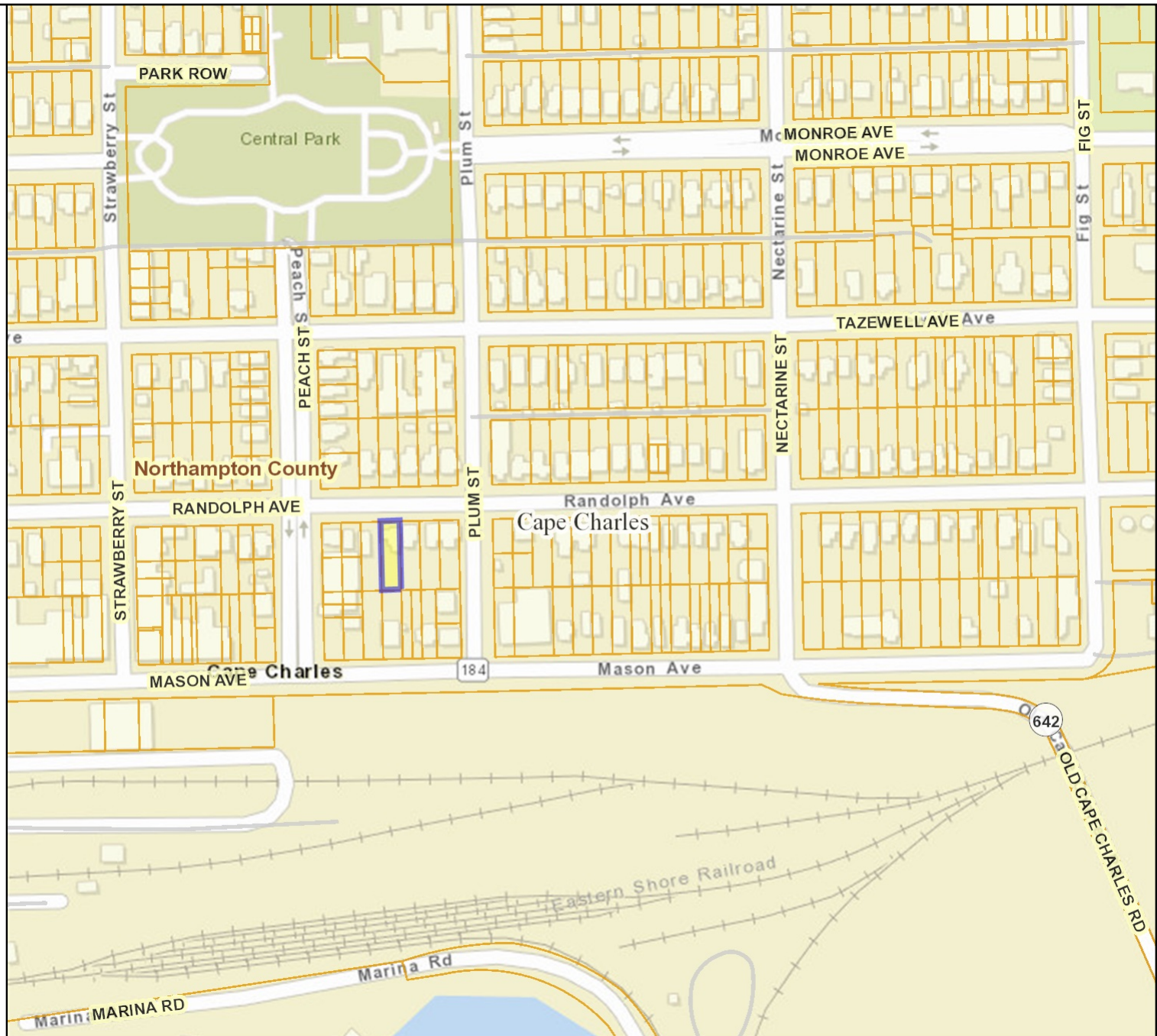
Materials List

- Asphalt roofing shingles – green to match existing roof
- 4' x 8' plywood roof panels
- 6 x 6; 3' deep poured concrete footers
- 2 x 10 floor joists, spaced 16" on center; with joist hangers
- 2 x 6 ceiling beams, spaced 16" on center
- 5 ½" wide "Azek" decking boards to match existing porch deck
- "Screen Tight"™ System with "No See Um" Black screen to enclose entire porch
- 4 x 4 railing @28" height above deck

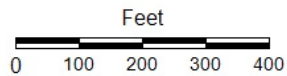
Northampton County, Virginia

Legend

- County Boundaries
- Town Names
- Route Numbers
- Road Labels
- Parcels
- Driveways



Map Printed from Northampton
<http://northampton.mapsdirect.net/>



Title: 416 Randolph Avenue

Date: 11/6/2020

DISCLAIMER: This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records, information, and data obtained from various sources, and Northampton County is not responsible for its accuracy or how current it may be.



HISTORIC DISTRICT REVIEW BOARD

STAFF REPORT

Meeting Date: January 5, 2021

Item #: 3D

Prepared By:	Staff
Site Address:	623 Jefferson Ave (Tax Map # 83A1-1-14A)
Applicant:	William Manning
Owner:	Lisa Watts
Proposed Development:	Construct an addition on the rear of a single-family dwelling
Current Zoning:	<u>Single-Family Residential (R-1)</u>: This zoning district is intended to provide quiet, medium density, single-family residential development plus provide open areas where similar residential development appears likely to occur. The regulations for this district are designed to stabilize and protect the essential characteristics of the district, to promote and encourage a suitable environment for family life where there are children, and to restrict all activities of a commercial nature...” <u>Historic District Overlay</u>: The purpose of this district is to provide for protection against destruction or encroachment upon historic areas, buildings, monuments, or other features, or buildings and structures of recognized architectural significance which contribute or will contribute to the cultural, social, economic, political, artistic, or architectural heritage of the Town of Cape Charles and the Commonwealth of Virginia. It is the purpose of the district to preserve the designated historic areas and historic landmarks and other historic or architectural features, and their surroundings within a reasonable distance, from destruction, damage, defacement, and obvious incongruous development or uses of land and to ensure that buildings, structures, streets, walkways, or signs shall be erected, reconstructed, altered, or restored so as to be kept architecturally compatible with the character of the general area in which they are located and with the historic buildings or structures within the district.

Description of Proposed Project:

The subject property is a 20 x 140 lot with an existing two-story single-family home. The rear portion of the property was required to be removed by the Town due to safety concerns. A building permit was issued on January 19, 2019 to remove the rear portion of the home. The applicant would like to add a 221 square foot, one-story addition and small deck where the previously removed portion of the home was located. The project was deferred at the May 21, 2019 meeting to allow the applicant to provide more details for the foundation, siding, windows, and deck. The Historic District Review Board approved the application as presented and a Certificate of Appropriateness was approved on June 18, 2019.

The authorized work did not commence within the 12-month period following approval and the Certificate of Appropriateness expired. The applicant applied for a new Certificate of Appropriateness on December 19, 2020.

The following materials proposed for the addition remain the same as formerly approved: 30-year architectural shingles for the roof; white wood trim, vented on soffit area, solid on gables; 3.5" wood corners; brick piers with lattice framework between the piers for the foundation; Thermal-true one-over-one windows with white trim; 60" full-view 19 light French door in the rear.

The home is currently located one foot away from the property line. A variance from the side yard setback requirement of 5 feet for the proposed addition and deck was approved by the Board of Zoning Appeals on July 17, 2019.

Staff Recommendation:

Review the attached materials and discuss any questions or concerns regarding the application. Decide whether the Board finds that a Certificate of Appropriateness is approved for the application.

Attachments:

Attachment 1 – Application and Documents

Attachment 2 – Location Map



CERTIFICATE OF APPROPRIATENESS APPLICATION

Town of Cape Charles
2 Plum Street
Cape Charles, VA 23310
757-331-3259 x24

plannertech@capecharles.org

PERMIT CHECKLIST - all documents can be emailed to the above email

- | | |
|--|--|
| ☒ Completed application | ☒ Photos/elevations of existing structure |
| ☒ Letter of intent clearly explaining project | ☒ Photos/elevations of proposed project |
| ☒ Existing site plan or survey | ☒ Proposed materials/spec sheets, samples |
| ☒ Proposed site plan or survey (if applicable) | ☒ Payment of fees (new construction >2,000 square feet \$500; new construction up to 2,000 square feet \$300; all other \$150; modification \$250) |

PROPERTY INFORMATION

Name of Project: addition for Lisa Watts
Property Address: 623 Jefferson ave
Brief Description of Project: 13' x 17' a frame addition to back of house
Zoning District: _____ Current Use: single family Proposed Use: single family

OWNER INFORMATION

Name and Company: William E Manning Construction LLC
Mailing Address: 3146 Yarmouth Dr. Cape Charles VA 23310
Phone Number: 757 286 1025 Email: wemcon1@yahoo.com

APPLICANT INFORMATION

☐ check here if applicant is owner

Name: Lisa Watts
Mailing Address: 623 Jefferson ave Cape Charles VA 23310
Phone Number: 301-343 9444 Email: lwatts343@gmail.com

CERTIFICATION OF APPLICANT

I hereby certify that I have the authority to make the foregoing application, that the information given is true and correct, and that the construction or improvements will conform to the regulations in the Virginia Statewide Building Code, all pertinent Town Ordinances, including fire, sewer and water ordinances, and private building restrictions, if any, which may be imposed on the property by deed. Furthermore, I certify that the changes to the improvement before or during construction will be provided to the Zoning Administrator and Building Official before such changes are constructed.

Signature of Applicant: William E Manning Date: 12/19/2020

Note: There is a required 30-day wait period between approval of a Certificate of Appropriateness and issuance of the permit for construction.

Town of Cape Charles Planning & Zoning Department
2 Plum St. • Cape Charles, VA 23310 • 757-331-2036 • capecharles.org

William E. Manning Construction LLC

3146 Yarmouth Dr. Cape Charles VA. 23310

757-286-1025, (wemcont@yahoo.com)

To the Zoning Board of Cape Charles:

This letter is in request to replace the old addition at 623 Jefferson Ave with a new 221 sq. ft. addition using the same footprint as the old one. The materials and design used will be as close to the old addition as possible. The windows are 32" x 56" double-hung wood. The siding will be white vinyl to match existing. The foundation will be 8x8x16 CMU stucco.

We are asking that you allow Lisa Watts to build this addition in the same location as shown on the Plot drawing. There would not be any hardships placed on the neighboring homes for we are not seeking any additional sq. footage. The addition is to replace the old one that was removed. If you have any questions regarding this, please feel free to contact me or Lisa Watts at 301-343-9444. This addition was approved on July 17, 2019. Due to circumstances out of my control I was unable to start construction of addition within my deadline. I am asking that the board to re-approve this addition as it was approved before.

Thank you,

William Manning

12/19/2020

SURVEYORS CERTIFICATION

I, CRAIG P. CROCKETT, A LICENSED LAND SURVEYOR, HEREBY CERTIFY THAT THIS PLAT WAS MADE BY ME AT THE REQUEST OF THE OWNERS AND THAT THIS SURVEY IS ENTIRELY WITHIN THE BOUNDARIES OF LAND COVERED BY THE DEED DESCRIBED HEREON AND THAT MONUMENTATION IS ACTUALLY IN PLACE OR WILL BE SET AT POINTS MARKED AS SHOWN HEREON AND THAT THEIR LOCATIONS ARE CORRECTLY SHOWN. THIS SURVEY IS CORRECT AND COMPLIES WITH THE MINIMUM PROCEDURES AND STANDARDS ESTABLISHED BY THE VIRGINIA BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS, AND LANDSCAPE ARCHITECTS. THIS PLAT IS BASED ON A CURRENT FIELD SURVEY.

GENERAL NOTES:

1. OWNERS: LISA M. WATTS, WARREN W. WATTS, III & JOSEPH G. WATTS

2. TAX PARCEL: 83A3-1-14A

3. SOURCE OF TITLE: INST. 140001305

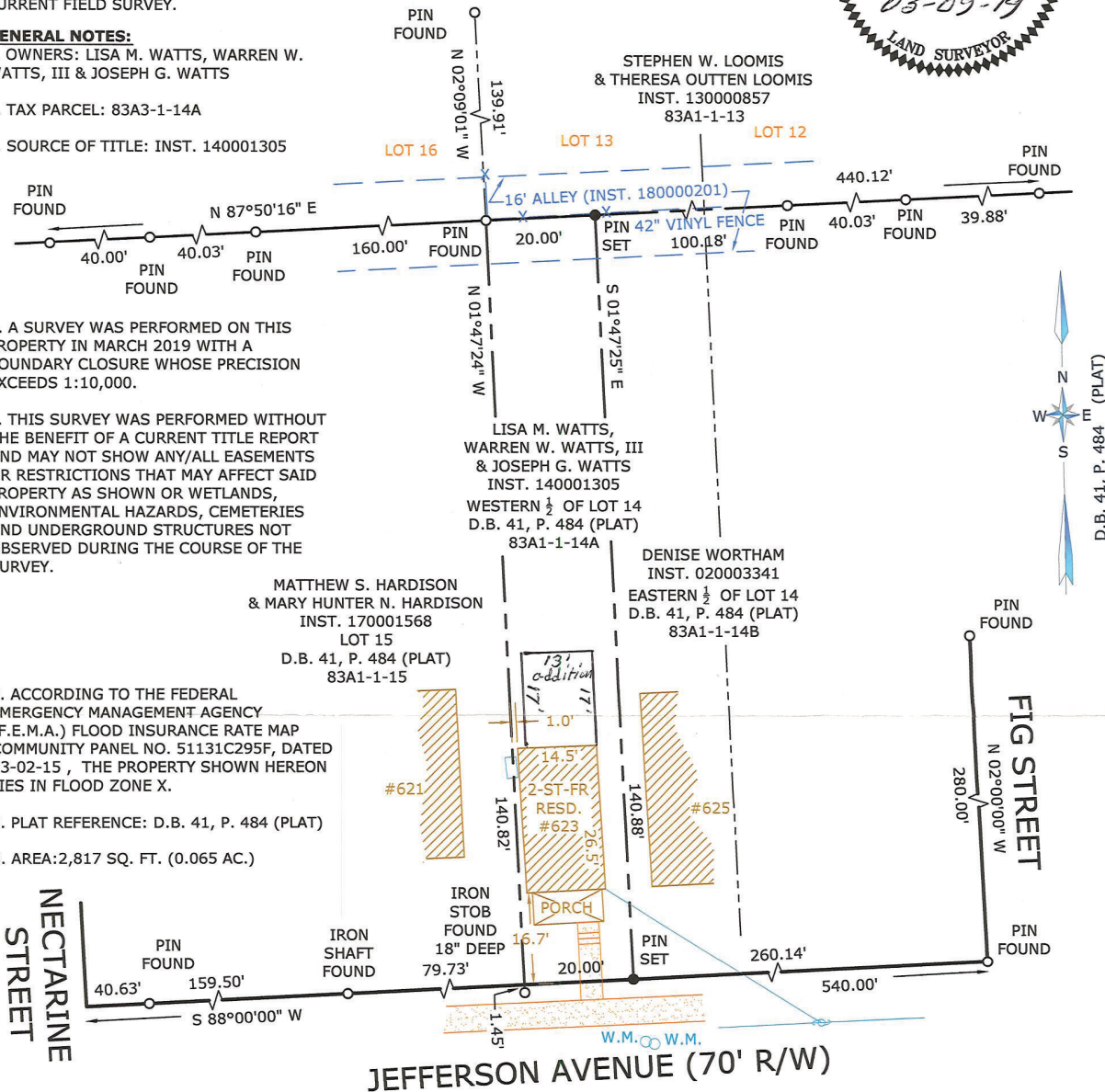
4. A SURVEY WAS PERFORMED ON THIS PROPERTY IN MARCH 2019 WITH A BOUNDARY CLOSURE WHOSE PRECISION EXCEEDS 1:10,000.

5. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND MAY NOT SHOW ANY/ALL EASEMENTS OR RESTRICTIONS THAT MAY AFFECT SAID PROPERTY AS SHOWN OR WETLANDS, ENVIRONMENTAL HAZARDS, CEMETERIES AND UNDERGROUND STRUCTURES NOT OBSERVED DURING THE COURSE OF THE SURVEY.

6. ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (F.E.M.A.) FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 51131C295F, DATED 03-02-15, THE PROPERTY SHOWN HEREON LIES IN FLOOD ZONE X.

7. PLAT REFERENCE: D.B. 41, P. 484 (PLAT)

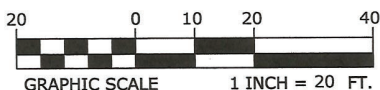
8. AREA: 2,817 SQ. FT. (0.065 AC.)



APPROVED FOR RECORDATION

ZACH PONDS
PLANNER, TOWN OF CAPE CHARLES

DATE



PHYSICAL SURVEY
THE WESTERN 1/2 OF LOT 14
MAP OF THE TOWN OF
CAPE CHARLES

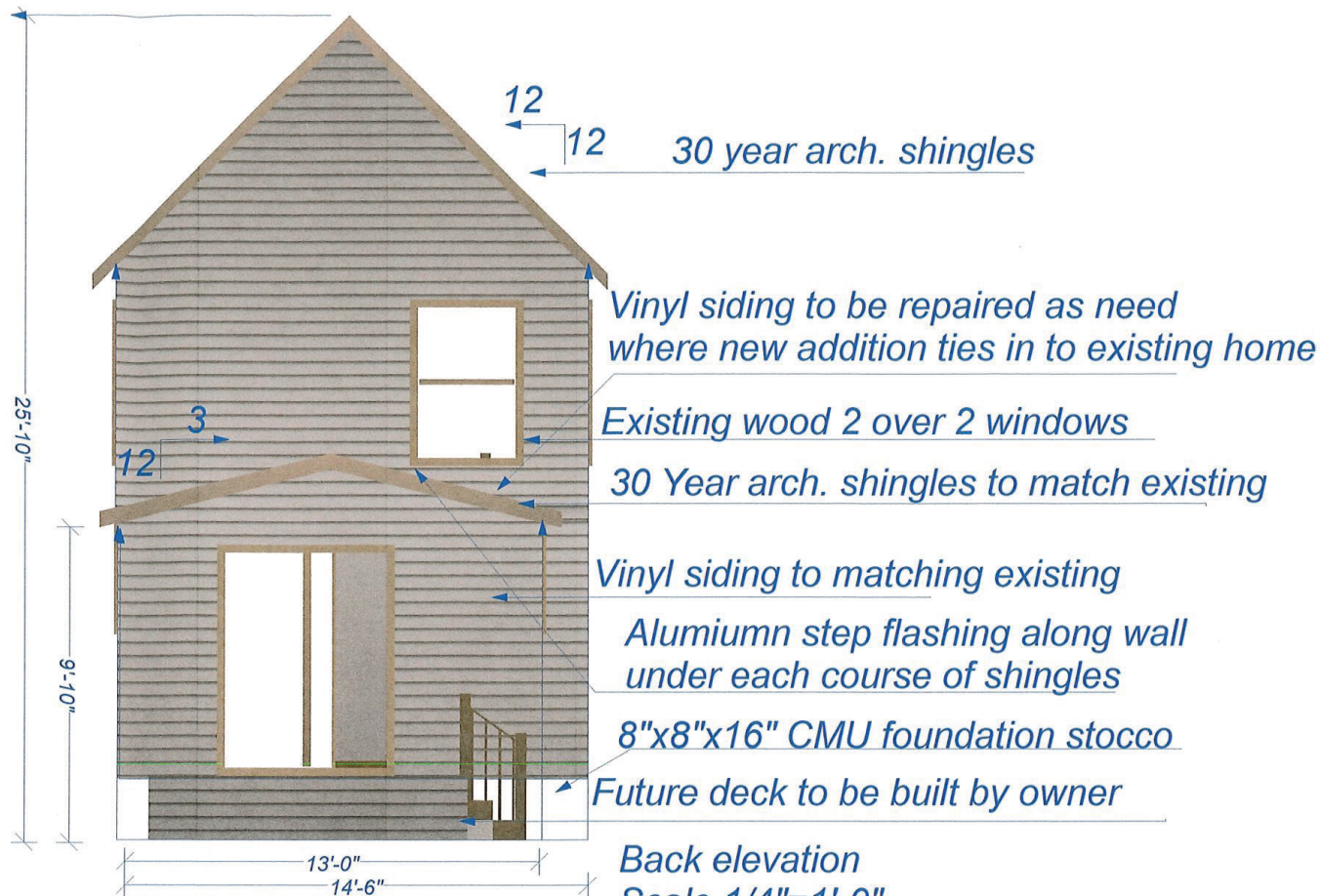
CAPEVILLE DISTRICT
NORTHAMPTON COUNTY, VIRGINIA
MADE FOR LISA M. WATTS,
WARREN W. WATTS, III, & JOSEPH G. WATTS
SCALE: 1" = 20' MARCH 9, 2019



POINT NORTH

POINT NORTH SURVEYING LLC
P.O. Box 701, (757) 709-3008
Onley, VA. 23418 pointnorthsurveying@gmail.com

DRAWN BY: CROCKETT FIELD BOOK: F.B. 18, P. 2
BACKTRAV: CROCKETT PROJECT NO: 19030

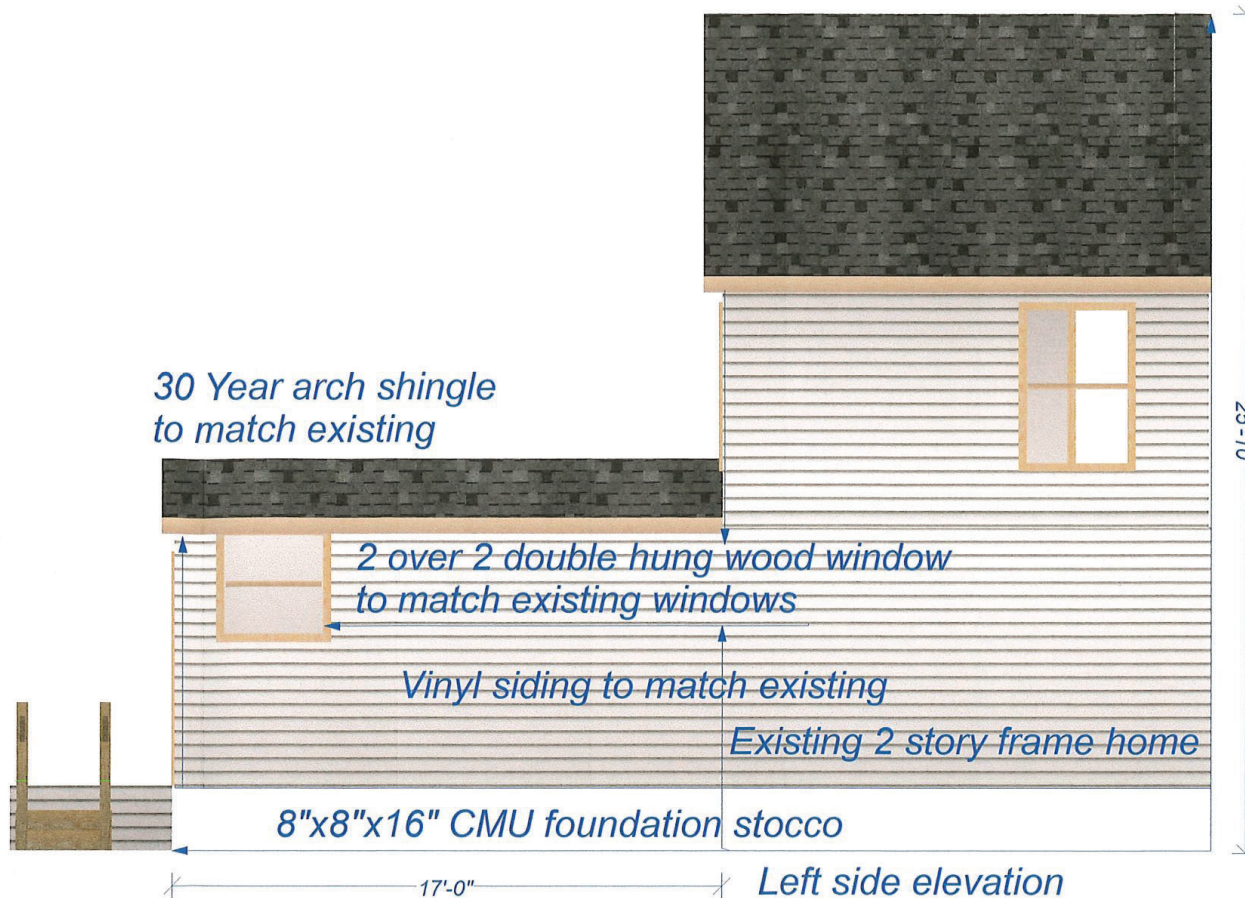


Back elevation
Scale 1/4"=1'-0"

Lisa Watts Owner

William E. Manning contractor
623 Jeffreson Ave.

All construction will be done to 2015 IBC
as well as state & local building codes



Left side elevation

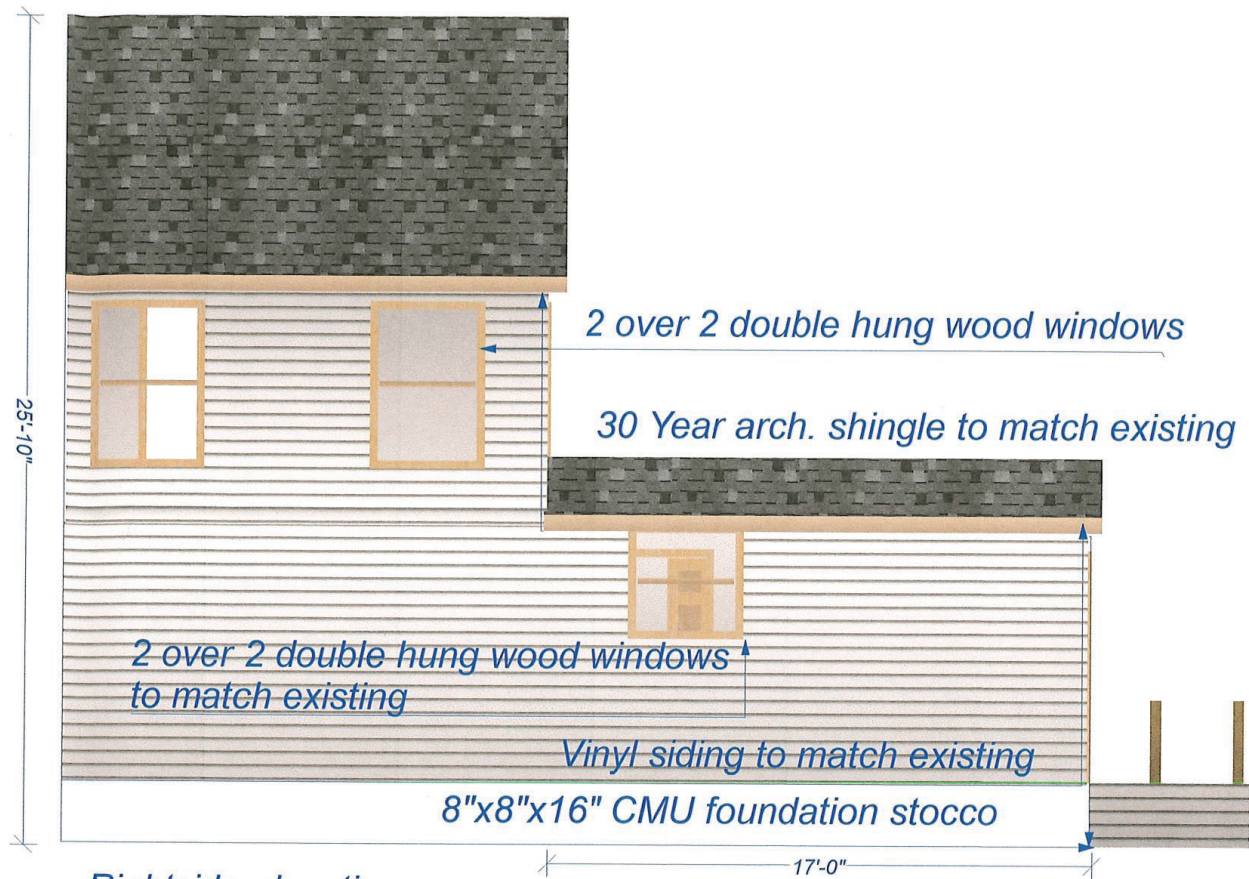
Scale 1/4"=1'-0"

Lisa Watts owner

William E Manning contractor

623 Jefferson Ave.

All construction will be done to 2015 IBC
as well as state & local building codes



Rightside elevation

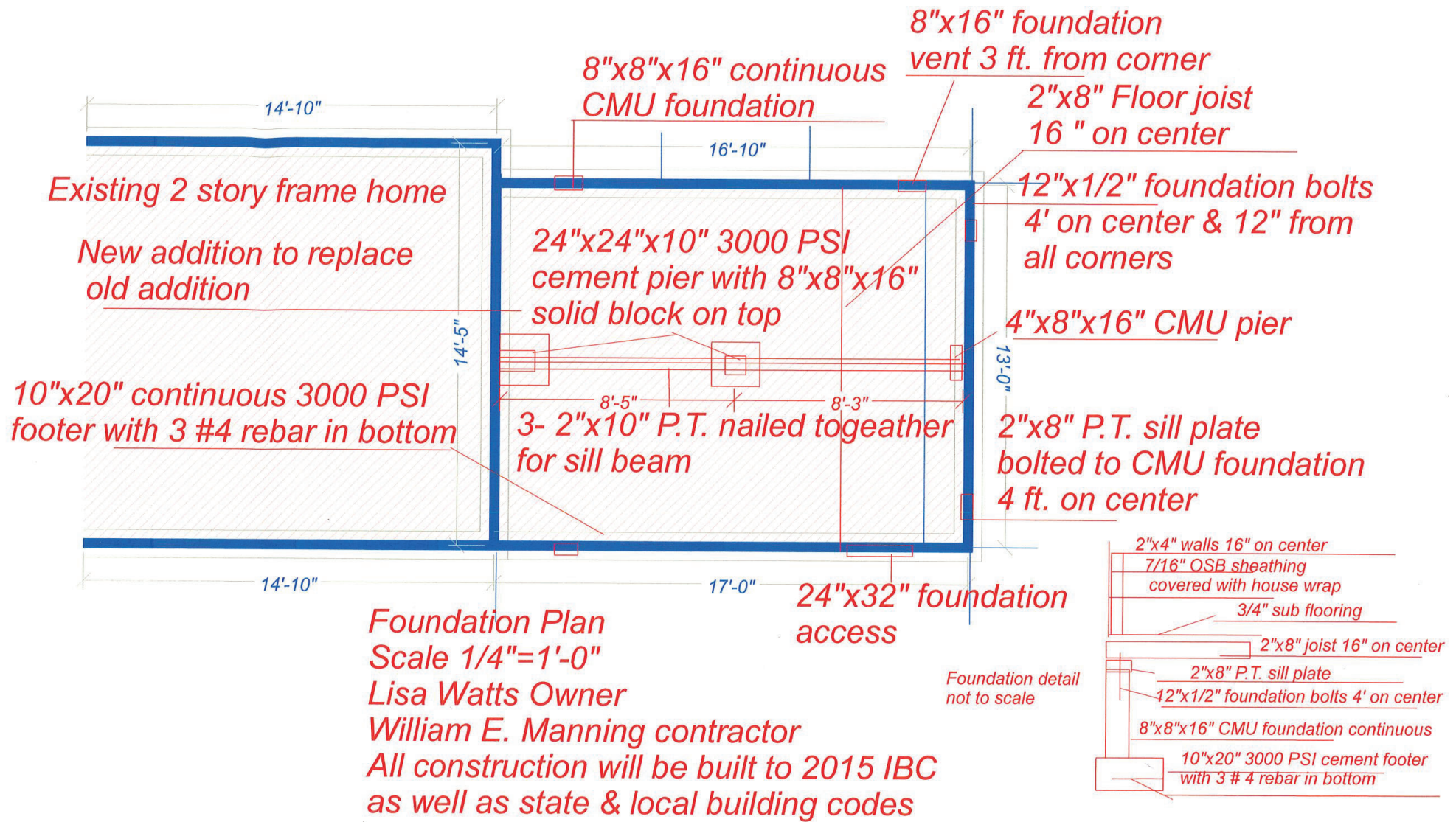
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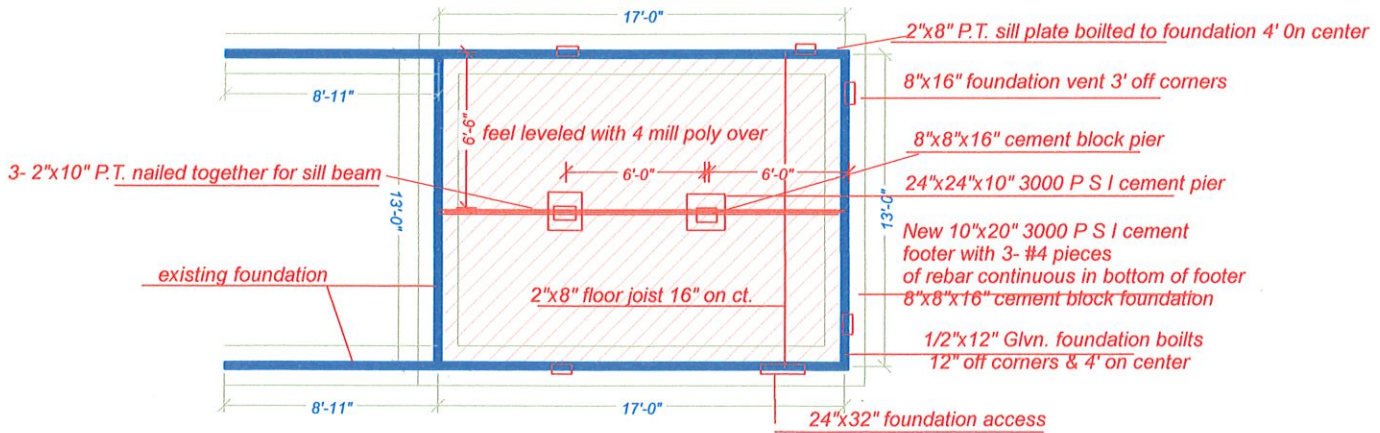
Lisa Watts owner

William E. Manning contractor

623 Jefferson Ave. addition

*All construction will be done to 2015 IBC
as well as state & local building codes*

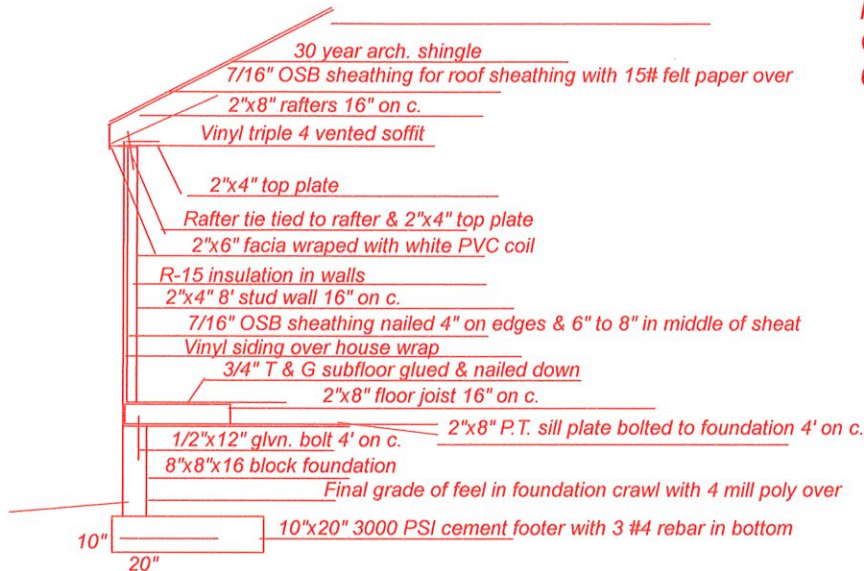




Foundation Plan scale 1/8"=1'-0"

Owner Lisa Watts

625 Jeffersom Ave.



Framing Detail

Not to scale

Email Submitted by William Manning, Contractor

RE: 623 Jefferson Avenue Material Specifications

Material specs for 623 Jefferson Ave. Owner Lisa Watts

The siding will be white double 5 vinyl. Wind strength 110 mph.

The windows are going to be wood double hung insulated glass one over one.

The trim on the outside of windows will be 1 inch thick 4 inches wide. To match existing window trim.

The roofing will be 30-year architect shingles to match existing.

The foundation will be 8-inch x 8-inch x 16 inch c m u stucco finish.

The owner will be putting the siding on the addition and making the repairs to the siding along the gable wall where addition is built.

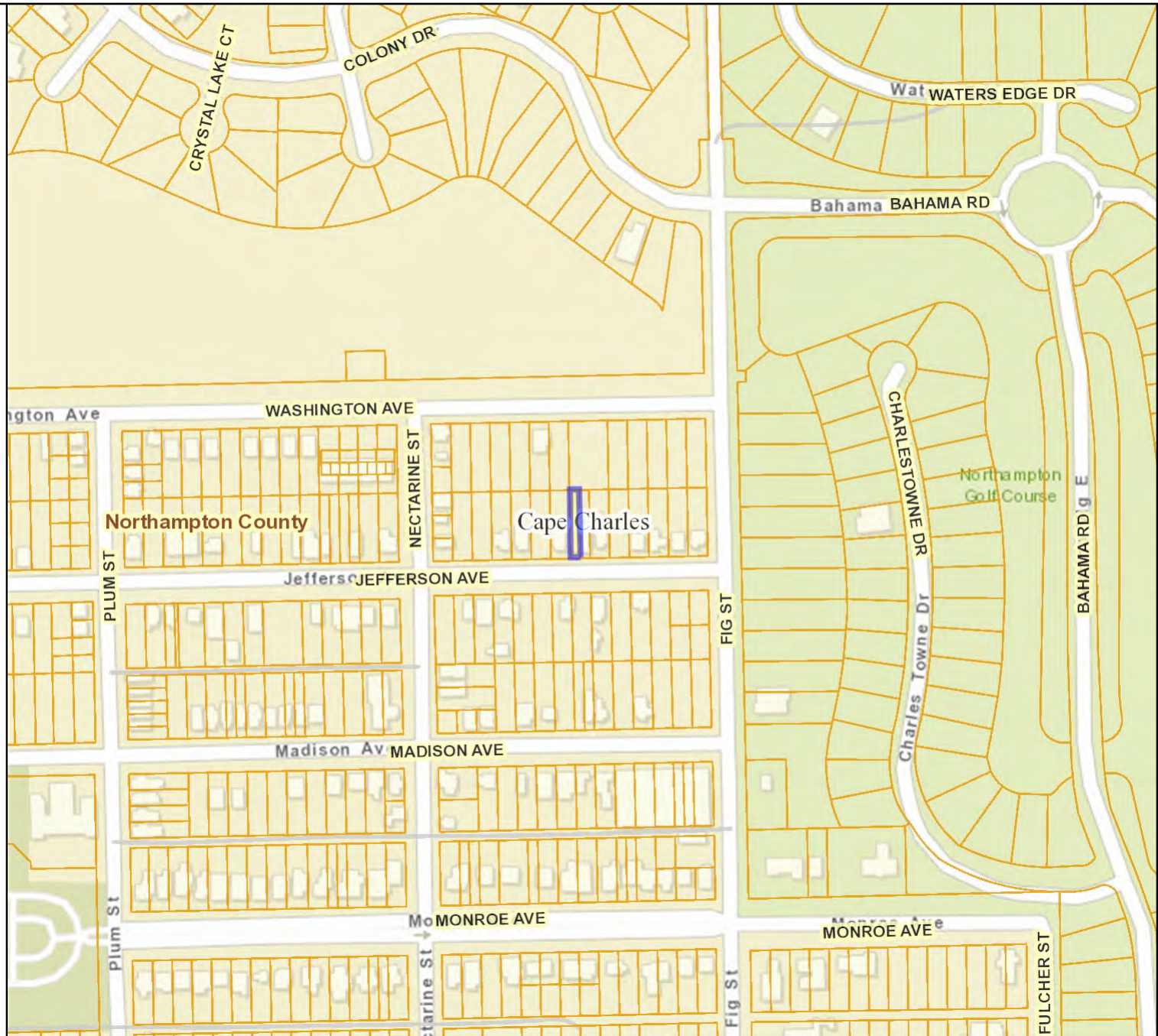
The soffit will be of 1 x 8 fascia 3/8" ac plywood with 12" x 4" vents 6 ft. Apart.

The sliding door on back of addition is going to be white vinyl with 1" x 4" exterior trim to match other exterior doors and windows.

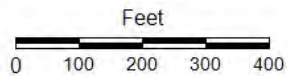
Northampton County, Virginia

Legend

- County Boundaries
- Town Names
- Route Numbers
- Road Labels
- Parcels
- Driveways



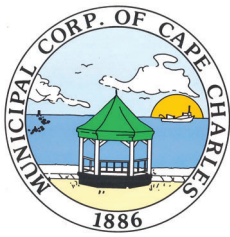
Map Printed from Northampton
<http://northampton.mapsdirect.net/>



Title: 623 Jefferson Ave

Date: 5/13/2019

DISCLAIMER: This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records, information, and data obtained from various sources, and Northampton County is not responsible for its accuracy or how current it may be.



PRE-APPLICATION INFORMATION FORM

Town of Cape Charles
2 Plum Street
Cape Charles, VA 23310
757-331-2036 Fax: 757-331-4820
planner@capecharles.org

APPLICANT INFORMATION

Name: Darin Alperin
Mailing Address: 208 Bay Ave. Cape Charles, VA. 23310
Phone Number: 484-723-3572 Email: alperindarin@gmail.com

PROJECT SUMMARY

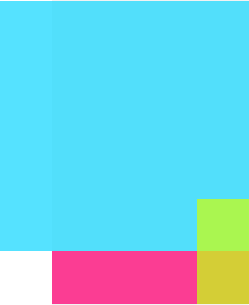
Address of Project: 208 Bay Ave.
Application Type (rezoning, variance, etc.): Certificate of Appropriateness - HRB
Total Acreage of Project: .15

Detailed Description (Include proposed use(s) and square footage of floor area for each use):
Replace all windows on the 2nd floor. New windows will be Pella Architect Series
wood inside, wood outside and are full frame replacement. 16 window total will be
replaced. Brick molding will be replaced with similar profile. All work to be done by
Pella. Windows will be white interior and white exterior.

Signature of Applicant: Darin Alperin Digitally signed by Darin Alperin
Date: 2020.11.28 14:21:38 -05'00' Date: 28Nov2020

For Internal Use Only:

Pre-Application Meeting Date: _____
Staff Printed Name: _____ Signed: _____
HDRB Rep Printed Name: _____ Signed: _____



Darin Alperin

Home Owner

☎ 484-723-3572

@ alperindarin@gmail.com

Dear Planner,

Suzanne Baker (wife) and I intend to replace 16 windows of our 208 Bay Ave residence. There are currently three different types of windows installed. Multiple windows of varying types have been replaced by prior owners since 1921, leaving a mish-mash of vinyl one over one insert replacements, original double hung wood sashes, and vinyl simulated divided lights. All of the windows are drafty and ill fitting. During times of high wind and rain, water blows into the house; during time of high dry wind, sand blows into the house. Our intention is to return the home's windows to all wood exterior and interior and simultaneously dramatically decrease our carbon footprint, one floor at a time, starting with the 12 second floor windows and two stairwells (2 windows per staircase, all on North wall).

The replacement windows are Pella, Architect Series Wood/Wood. The windows are double pane glass with dividers between the pane and wood dividers on the interior and exterior. These are full-frame replacements and therefore require replacing all exterior trim, which we intend to replace with wood (painted white). Trim will be the same profile as existing wood. Work is contracted with Pella Mid-Atlantic, contingent on our obtaining a Certificate of Appropriateness.

Sincerely,

Darin Alperin













Contract - Detailed

Pella Window and Door Showroom of Lewes
34634 Bay Crossing Blvd. Unit 2
Lewes, DE 19958
Phone: (302) 257-5544 **Fax:** (302) 645-4526

Sales Rep Name: Finnegan, Kenneth
Sales Rep Phone: 302-858-2472
Sales Rep Fax:
Sales Rep E-Mail: kfinnegan@pellamidatlantic.com

Customer Information	Project/Delivery Address	Order Information
Darin Alperin 208 Bay Ave Lewes, DE 19958-1114 Primary Phone: (484) 7233572 Mobile Phone: Fax Number: E-Mail: alperindarin@gmail.com Great Plains #: 1006031452 Customer Number: 1007027645 Customer Account: 1006031452	*Darin Alperin - 208 Bay Ave, Cape Charles, VA, US 208 Bay Ave Lot # Cape Charles, VA 19958 County:	Quote Name: *Darin Alperin - 208 Bay Ave, Cape Charles, VA, Order Number: 71084SSZN Quote Number: 13431141 Order Type: Installed Sales Payment Terms: Tax Code: MDINSTALL8 Quoted Date: 11/27/2020

Customer Notes: 16 Architect Series Wood/Wood Windows, White/White, Low-E Glass w/Argon Gas,
ILT Grilles Top Sash Only (14-3x3, 2-4x3), Full Frame Replacement (keeping interior trim intact, exterior trim to match existing)

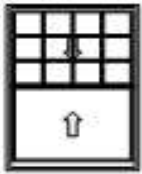
Line #	Location:	Attributes	Qty
10	Setup/Break Down	RPSET202 - INSTALL for 1000+	1

RIWLSP20 - Lead Safe Removal Pfit Installation per opening

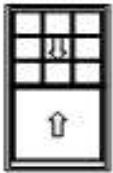
Qty 16

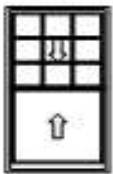
Line #	Location:	Attributes	
15	Stairs	Architect, Traditional, Double Hung	Qty 2
 Viewed From Exterior			
PK # 2076 1: Non-Standard SizeNon-Standard Size Double Hung, Equal General Information: Standard, Luxury, Wood, Pine, 4 3/8", 4 3/16" Exterior Color / Finish: Primed, Primed Wood Interior Color / Finish: Prefinished White Paint Interior Sash / Panel: Putty Glaze, Ogee, Standard, No Sash Lugs Glass: Insulated Dual Low-E Advanced Low-E Insulating Glass Argon Non High Altitude Hardware Options: Spoon-Style Lock, White, No Window Opening Control Device, No Limited Opening Hardware, No Sash Lift, No Integrated Sensor Screen: Half Screen, Standard EnduraClad, White, Standard, InView™ Performance Information: U-Factor 0.29, SHGC 0.25, VLT 0.47, CPD PEL-N-234-00255-00001, Performance Class CW, PG 45, Calculated Positive DP Rating 45, Calculated Negative DP Rating 45, Year Rated 08 11, Egress Meets Typical 5.7 sqft (E) (United States Only) Grille: ILT, No Custom Grille, 7/8", Traditional (3W3H / 0W0H), Putty Glaze, Ogee			
RIW210 - Full Tear Out Installation - Single Unit			Qty 1
PSPAINTRR01 - PAINTRR01 Window w/muntin & trim <96 UI			Qty 1

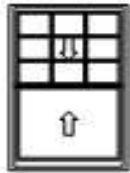
Line #	Location:	Attributes	
20	Master Closet	Architect, Traditional, Double Hung	Qty 1
 Viewed From Exterior			
PK # 2076 1: Non-Standard SizeNon-Standard Size Double Hung, Equal General Information: Standard, Luxury, Wood, Pine, 4 3/8", 4 3/16" Exterior Color / Finish: Primed, Primed Wood Interior Color / Finish: Prefinished White Paint Interior Sash / Panel: Putty Glaze, Ogee, Standard, No Sash Lugs Glass: Insulated Dual Low-E Advanced Low-E Insulating Glass Argon Non High Altitude Hardware Options: Spoon-Style Lock, White, No Window Opening Control Device, No Limited Opening Hardware, No Sash Lift, No Integrated Sensor Screen: Half Screen, Standard EnduraClad, White, Standard, InView™ Performance Information: U-Factor 0.29, SHGC 0.25, VLT 0.47, CPD PEL-N-234-00255-00001, Performance Class CW, PG 45, Calculated Positive DP Rating 45, Calculated Negative DP Rating 45, Year Rated 08 11, Egress Meets Typical 5.7 sqft (E) (United States Only) Grille: ILT, No Custom Grille, 7/8", Traditional (3W3H / 0W0H), Putty Glaze, Ogee			
RIW210 - Full Tear Out Installation - Single Unit			Qty 1
PSPAINTRR01 - PAINTRR01 Window w/muntin & trim <96 UI			Qty 1

Line #	Location:	Attributes	
25	Master Closet	Architect, Traditional, Double Hung	Qty 1
			
PK # 2076 1: Non-Standard SizeNon-Standard Size Double Hung, Equal General Information: Standard, Luxury, Wood, Pine, 4 3/8", 4 3/16" Exterior Color / Finish: Primed, Primed Wood Interior Color / Finish: Prefinished White Paint Interior Sash / Panel: Putty Glaze, Ogee, Standard, No Sash Lugs Glass: Insulated Dual Low-E Advanced Low-E Insulating Glass Argon Non High Altitude Hardware Options: Spoon-Style Lock, White, No Window Opening Control Device, No Limited Opening Hardware, No Sash Lift, No Integrated Sensor Screen: Half Screen, Standard EnduraClad, White, Standard, InView™ Performance Information: U-Factor 0.29, SHGC 0.25, VLT 0.47, CPD PEL-N-234-00255-00001, Performance Class CW, PG 45, Calculated Positive DP Rating 45, Calculated Negative DP Rating 45, Year Rated 08 11, Egress Meets Typical 5.7 sqft (E) (United States Only) Grille: ILT, No Custom Grille, 7/8", Traditional (4W3H / 0W0H), Putty Glaze, Ogee			
Viewed From Exterior			
RIW210 - Full Tear Out Installation - Single Unit		Qty	1
PSPAINTRR01 - PAINTRR01 Window w/muntin & trim <96 UI		Qty	1

Line #	Location:	Attributes	
30	Master	Architect, Traditional, Double Hung	Qty 1
			
PK # 2076 1: Non-Standard SizeNon-Standard Size Double Hung, Equal General Information: Standard, Luxury, Wood, Pine, 4 3/8", 4 3/16" Exterior Color / Finish: Primed, Primed Wood Interior Color / Finish: Prefinished White Paint Interior Sash / Panel: Putty Glaze, Ogee, Standard, No Sash Lugs Glass: Insulated Dual Low-E Advanced Low-E Insulating Glass Argon Non High Altitude Hardware Options: Spoon-Style Lock, White, No Window Opening Control Device, No Limited Opening Hardware, No Sash Lift, No Integrated Sensor Screen: Half Screen, Standard EnduraClad, White, Standard, InView™ Performance Information: U-Factor 0.29, SHGC 0.25, VLT 0.47, CPD PEL-N-234-00255-00001, Performance Class CW, PG 45, Calculated Positive DP Rating 45, Calculated Negative DP Rating 45, Year Rated 08 11, Egress Meets Typical 5.7 sqft (E) (United States Only) Grille: ILT, No Custom Grille, 7/8", Traditional (4W3H / 0W0H), Putty Glaze, Ogee			
Viewed From Exterior			
RIW210 - Full Tear Out Installation - Single Unit		Qty	1
PSPAINTRR01 - PAINTRR01 Window w/muntin & trim <96 UI		Qty	1

Line #	Location:	Attributes	
35	Master	Architect, Traditional, Double Hung	Qty 2
			
PK # 2076 1: Non-Standard SizeNon-Standard Size Double Hung, Equal General Information: Standard, Luxury, Wood, Pine, 4 3/8", 4 3/16" Exterior Color / Finish: Primed, Primed Wood Interior Color / Finish: Prefinished White Paint Interior Sash / Panel: Putty Glaze, Ogee, Standard, No Sash Lugs Glass: Insulated Dual Low-E Advanced Low-E Insulating Glass Argon Non High Altitude Hardware Options: Spoon-Style Lock, White, No Window Opening Control Device, No Limited Opening Hardware, No Sash Lift, No Integrated Sensor Screen: Half Screen, Standard EnduraClad, White, Standard, InView™ Performance Information: U-Factor 0.29, SHGC 0.25, VLT 0.47, CPD PEL-N-234-00255-00001, Performance Class CW, PG 45, Calculated Positive DP Rating 45, Calculated Negative DP Rating 45, Year Rated 08 11, Egress Meets Typical 5.7 sqft (E) (United States Only) Grille: ILT, No Custom Grille, 7/8", Traditional (3W3H / 0W0H), Putty Glaze, Ogee			
Viewed From Exterior			
RIW210 - Full Tear Out Installation - Single Unit		Qty	1
PSPAINTRR01 - PAINTRR01 Window w/muntin & trim <96 UI		Qty	1

Line #	Location:	Attributes	
40	BR1	Architect, Traditional, Double Hung	Qty 4
			
PK # 2076 1: Non-Standard SizeNon-Standard Size Double Hung, Equal General Information: Standard, Luxury, Wood, Pine, 4 3/8", 4 3/16" Exterior Color / Finish: Primed, Primed Wood Interior Color / Finish: Prefinished White Paint Interior Sash / Panel: Putty Glaze, Ogee, Standard, No Sash Lugs Glass: Insulated Dual Low-E Advanced Low-E Insulating Glass Argon Non High Altitude Hardware Options: Spoon-Style Lock, White, No Window Opening Control Device, No Limited Opening Hardware, No Sash Lift, No Integrated Sensor Screen: Half Screen, Standard EnduraClad, White, Standard, InView™ Performance Information: U-Factor 0.29, SHGC 0.25, VLT 0.47, CPD PEL-N-234-00255-00001, Performance Class CW, PG 45, Calculated Positive DP Rating 45, Calculated Negative DP Rating 45, Year Rated 08 11, Egress Meets Typical 5.7 sqft (E) (United States Only) Grille: ILT, No Custom Grille, 7/8", Traditional (3W3H / 0W0H), Putty Glaze, Ogee			
Viewed From Exterior			
RIW210 - Full Tear Out Installation - Single Unit		Qty	1
PSPAINTRR01 - PAINTRR01 Window w/muntin & trim <96 UI		Qty	1

Line #	Location:	Attributes	
45	Bath	Architect, Traditional, Double Hung	Qty 1
			
	PK # 2076	1: Non-Standard SizeNon-Standard Size Double Hung, Equal General Information: Standard, Luxury, Wood, Pine, 4 3/8", 4 3/16" Exterior Color / Finish: Primed, Primed Wood Interior Color / Finish: Prefinished White Paint Interior Sash / Panel: Putty Glaze, Ogee, Standard, No Sash Lugs Glass: Insulated Dual Low-E Advanced Low-E Insulating Glass Argon Non High Altitude Hardware Options: Spoon-Style Lock, White, No Window Opening Control Device, No Limited Opening Hardware, No Sash Lift, No Integrated Sensor Screen: Half Screen, Standard EnduraClad, White, Standard, InView™ Performance Information: U-Factor 0.29, SHGC 0.25, VLT 0.47, CPD PEL-N-234-00255-00001, Performance Class CW, PG 45, Calculated Positive DP Rating 45, Calculated Negative DP Rating 45, Year Rated 08 11, Egress Does not meet typical United States egress, but may comply with local code requirements Grille: ILT, No Custom Grille, 7/8", Traditional (3W3H / 0W0H), Putty Glaze, Ogee	
		RIW210 - Full Tear Out Installation - Single Unit	Qty 1
		PSPAINTRR01 - PAINTRR01 Window w/muntin & trim <96 UI	Qty 1

Line #	Location:	Attributes	
50	BR2	Architect, Traditional, Double Hung	Qty 1
			
	PK # 2076	1: Non-Standard SizeNon-Standard Size Double Hung, Equal General Information: Standard, Luxury, Wood, Pine, 4 3/8", 4 3/16" Exterior Color / Finish: Primed, Primed Wood Interior Color / Finish: Prefinished White Paint Interior Sash / Panel: Putty Glaze, Ogee, Standard, No Sash Lugs Glass: Insulated Dual Low-E Advanced Low-E Insulating Glass Argon Non High Altitude Hardware Options: Spoon-Style Lock, White, No Window Opening Control Device, No Limited Opening Hardware, No Sash Lift, No Integrated Sensor Screen: Half Screen, Standard EnduraClad, White, Standard, InView™ Performance Information: U-Factor 0.29, SHGC 0.25, VLT 0.47, CPD PEL-N-234-00255-00001, Performance Class CW, PG 45, Calculated Positive DP Rating 45, Calculated Negative DP Rating 45, Year Rated 08 11, Egress Meets Typical 5.7 sqft (E) (United States Only) Grille: ILT, No Custom Grille, 7/8", Traditional (3W3H / 0W0H), Putty Glaze, Ogee	
		RIW210 - Full Tear Out Installation - Single Unit	Qty 1
		PSPAINTRR01 - PAINTRR01 Window w/muntin & trim <96 UI	Qty 1

Line #	Location:	Attributes	
55	BR2	Architect, Traditional, Double Hung	Qty 1
 Viewed From Exterior PK # 2076 1: Non-Standard SizeNon-Standard Size Double Hung, Equal General Information: Standard, Luxury, Wood, Pine, 4 3/8", 4 3/16" Exterior Color / Finish: Primed, Primed Wood Interior Color / Finish: Prefinished White Paint Interior Sash / Panel: Putty Glaze, Ogee, Standard, No Sash Lugs Glass: Insulated Dual Low-E Advanced Low-E Insulating Glass Argon Non High Altitude Hardware Options: Spoon-Style Lock, White, No Window Opening Control Device, No Limited Opening Hardware, No Sash Lift, No Integrated Sensor Screen: Half Screen, Standard EnduraClad, White, Standard, InView™ Performance Information: U-Factor 0.29, SHGC 0.25, VLT 0.47, CPD PEL-N-234-00255-00001, Performance Class CW, PG 45, Calculated Positive DP Rating 45, Calculated Negative DP Rating 45, Year Rated 08 11, Egress Meets Typical for ground floor 5.0 sqft (E1) (United States Only) Grille: ILT, No Custom Grille, 7/8", Traditional (3W3H / 0W0H), Putty Glaze, Ogee			
		RIW210 - Full Tear Out Installation - Single Unit	Qty 1
		PSPAINTRR01 - PAINTRR01 Window w/muntin & trim <96 UI	Qty 1

Line #	Location:	Attributes	
60	Upstairs landing	Architect, Traditional, Double Hung	Qty 2
 Viewed From Exterior PK # 2076 1: Non-Standard SizeNon-Standard Size Double Hung, Equal General Information: Standard, Luxury, Wood, Pine, 4 3/8", 4 3/16" Exterior Color / Finish: Primed, Primed Wood Interior Color / Finish: Prefinished White Paint Interior Sash / Panel: Putty Glaze, Ogee, Standard, No Sash Lugs Glass: Insulated Dual Low-E Advanced Low-E Insulating Glass Argon Non High Altitude Hardware Options: Spoon-Style Lock, White, No Window Opening Control Device, No Limited Opening Hardware, No Sash Lift, No Integrated Sensor Screen: Half Screen, Standard EnduraClad, White, Standard, InView™ Performance Information: U-Factor 0.29, SHGC 0.25, VLT 0.47, CPD PEL-N-234-00255-00001, Performance Class CW, PG 45, Calculated Positive DP Rating 45, Calculated Negative DP Rating 45, Year Rated 08 11, Egress Does not meet typical United States egress, but may comply with local code requirements Grille: ILT, No Custom Grille, 7/8", Traditional (3W3H / 0W0H), Putty Glaze, Ogee			
		RIW210 - Full Tear Out Installation - Single Unit	Qty 1
		PSPAINTRR01 - PAINTRR01 Window w/muntin & trim <96 UI	Qty 1

Thank You For Purchasing Pella® Products

PELLA WARRANTY:

Pella products are covered by Pella's limited warranties in effect at the time of sale. All applicable product warranties are incorporated into and become a part of this contract. Please see the warranties for complete details, taking special note of the two important notice sections regarding installation of Pella products and proper management of moisture within the wall system. Neither Pella Corporation nor the Seller will be bound by any other warranty unless specifically set out in this contract. However, Pella Corporation will not be liable for branch warranties which create obligations in addition to or obligations which are inconsistent with Pella written warranties.

Clear opening (egress) information does not take into consideration the addition of a Rolscreen [or any other accessory] to the product. You should consult your local building code to ensure your Pella products meet local egress requirements.

Per the manufacturer's limited warranty, unfinished mahogany exterior windows and doors must be finished upon receipt prior to installing and refinished annually, thereafter. Variations in wood grain, color, texture or natural characteristics are not covered under the limited warranty.

INSYNCTIVE PRODUCTS: In addition, Pella Insynctive Products are covered by the Pella Insynctive Products Software License Agreement and Pella Insynctive Products Privacy Policy in effect at the time of sale, which can be found at [Insynctive.pella.com](https://www.pella.com/insynctive). By installing or using Your Insynctive Products you are acknowledging the Insynctive Software Agreement and Privacy Policy are part of the terms of sale.

Notice of Collection of Personal Information: We may collect your personal information when you interact with us. Under the California Consumer Privacy Act (CCPA), California residents have specific rights to request this information, request to delete this information, and opt out of the sharing or sale of this information to third parties. To learn more about our collection practices and your rights under the CCPA please visit our link <https://www.pella.com/california-rights-policy/> at pella.com.

ARBITRATION AND CLASS ACTION WAIVER ("ARBITRATION AGREEMENT")

YOU and Pella and its subsidiaries and the Pella Branded Distributor **AGREE TO ARBITRATE DISPUTES ARISING OUT OF OR RELATING TO YOUR PELLA PRODUCTS (INCLUDES PELLA GOODS AND PELLA SERVICES) AND WAIVE THE RIGHT TO HAVE A COURT OR JURY DECIDE DISPUTES. YOU WAIVE ALL RIGHTS TO PROCEED AS A MEMBER OR REPRESENTATIVE OF A CLASS ACTION, INCLUDING CLASS ARBITRATION, REGARDING DISPUTES ARISING OUT OF OR RELATING TO YOUR PELLA PRODUCTS.** You may opt out of this Arbitration Agreement by providing notice to Pella no later than ninety (90) calendar days from the date You purchased or otherwise took ownership of Your Pella Goods. To opt out, You must send notice by e-mail to pellawebsupport@pella.com, with the subject line: "Arbitration Opt Out" or by calling (877) 473-5527. Opting out of the Arbitration Agreement will not affect the coverage provided by any applicable limited warranty pertaining to Your Pella Products. For complete information, including the full terms and conditions of this Arbitration Agreement, which are incorporated herein by reference, please visit www.pella.com/arbitration or e-mail to pellawebsupport@pella.com, with the subject line: "Arbitration Details" or call (877) 473-5527. D'ARBITRAGE ET RENONCIATION AU RECOURS COLLECTIF ("convention d'arbitrage") EN FRANÇAIS SEE PELLA.COM/ARBITRATION. DE ARBITRAJE Y RENUNCIA COLECTIVA ("acuerdo de arbitraje") EN ESPAÑOL VER PELLA.COM/ARBITRATION.

Seller shall not be held liable for failure or delay in the performance of its obligations under this Agreement, if such performance is hindered or delayed by the occurrence of an act or event beyond the Seller's reasonable control (force majeure event), including but not limited to earthquakes, unusually severe weather and other Acts of God, fire, strikes and labor unrest, epidemics, riots, war, civil unrest, and government interventions. Seller shall give timely notice of a force majeure event and take such reasonable action to mitigate the impacts of such an event.

Product Performance Information:

U-Factor, Solar Heat Gain Coefficient (SHGC), and Visible Light Transmittance (VLT) are certified by the National Fenestration Rating Council (NFRC). Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any products and does not warrant the suitability of any product for

any specific use.

Design Pressure (DP), Performance Class, and Performance Grade (PG) are certified by a third party organization, in many cases the Window and Door Manufacturers Association (WDMA). The certification requires the performance of at least one product of the product line to be tested in accordance with the applicable performance standards and verified by an independent party. The certification indicates that the product(s) of the product line passed the applicable tests. The certification does not apply to mulled and/or product combinations unless noted. Actual product results will vary and change over the products life.

For more performance information along with information on Florida Product Approval System (FPAS) Number and Texas Dept. of Insurance (TDI) number go to www.pella.com/performance.

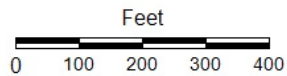
Northampton County, Virginia

Legend

- County Boundaries
- Town Names
- Route Numbers
- Road Labels
- Parcels
- Driveways



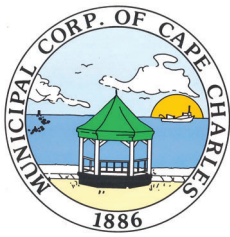
Map Printed from Northampton
<https://parcelviewer.geodecisions.com/Northampton/>



Title: 208 Bay Avenue

Date: 12/3/2020

DISCLAIMER: This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records, information, and data obtained from various sources, and Northampton County is not responsible for its accuracy or how current it may be.



PRE-APPLICATION INFORMATION FORM

Town of Cape Charles
2 Plum Street
Cape Charles, VA 23310
757-331-2036 Fax: 757-331-4820
planner@capecharles.org

APPLICANT INFORMATION

Name: Signs of Success, Inc - Gina Paulson
Mailing Address: 529 N. Birdneck Road, VA Beach, VA 23451
Phone Number: 757-481-4788 Email: gina@signsofsuccessvb.com

PROJECT SUMMARY

Address of Project: 325 Mason Street, Cape Charles
Application Type (rezoning, variance, etc.): Design Review - Sign Permit
Total Acreage of Project: _____

Detailed Description (Include proposed use(s) and square footage of floor area for each use):
8" high x 1/2" thick non-lighted acrylic letters painted metallic gold to be installed to
front panel of new metal canopy.

Signature of Applicant: *Gina S. Paulson* Date: 11/30/20

For Internal Use Only:

Pre-Application Meeting Date: _____
Staff Printed Name: _____ Signed: _____
HDRB Rep Printed Name: _____ Signed: _____

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529 N. Birdneck Road
Virginia Beach, VA 23451
Fax (757) 481-4966
gina@signsofsuccessvb.com

SIGNS OF SUCCESS, INC.

(757) 481.4788

November 30, 2020

City of Cape Charles
Design Review Board

RE: 325 Mason Street - Signage

This is a Letter of Intent. We are working with Beth Lusk, owner of Moonrise Jewelry. We are proposing to install non-lighted 8" high x 1/2" thick acrylic letters painted metallic gold. They will be installed on front "panel" of new metal canopy with studs (metal canopy was previously approved by the Design Review Board).

Please let me know if there is anything else you may need to complete the approval process.

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Sincerely,
Gina S. Paulson

Signs of Success, Inc.
529 N. Birdneck Road
Virginia Beach, VA 23451

EMAIL: Gina@signsofsuccessvb.com

SPECIALISTS IN QUALITY - OVER 30 YEARS OF EXPERIENCE
VISIT OUR WEBSITE AT: www.signsofsuccessonline.com

FLASHING RAISED
INTO EXISTING
JOINT

CROWN

SCOTIA

BULLNOSE

EXISTING STD
BEAM WITH
BLOCKING AS
REQUIRED

RESTORED
TRANSOM

NEW CORNICE

$1\frac{1}{2}" = 1'-0"$

BACK LIT LETTERS

TRIGLYPH MOULDING
@ 12" OC

EXISTING CLEAR
GLASS

EXISTING
ALUMINUM
FRAMES -
PAINT

PANEL MOULD

PULL SCALE

EXISTING BRICK - CLEAN

EXISTING WINDOWS -
REPAIR AS REQUIRED

NEW CORNICE SECURED TO
EXISTING STEEL BEAM

CANOPY SUPPORT RODS

EXISTING RESTORED WOOD
FRAME TRANSOM WINDOWS

NEW CANOPY WITH MEMBRANE
ROOF & SMOOTH CEILING

FAUX GAS LANTERNS

CEMENTIOUS FLAT PANELS W/
PANEL MOULDING - PAINT

ALUMINUM SILL - PAINT

CEMENTIOUS FLAT PANELS
W/ PANEL MOULDING -
PAINT

NEW SOLID DOOR W/ BEVELED
OVAL GLASS AND FLAT PANELS

MOONRISE JEWELRY

325 MASON AVENUE
FAIRFAX, VIRGINIA

SOUTH ELEVATION

SCALE = $\frac{1}{4}" = 1'-0"$

SIGNS OF SUCCESS, INC

PROJECT: Moonrise Jewelry - Cape Charles, VA

December 11, 2020

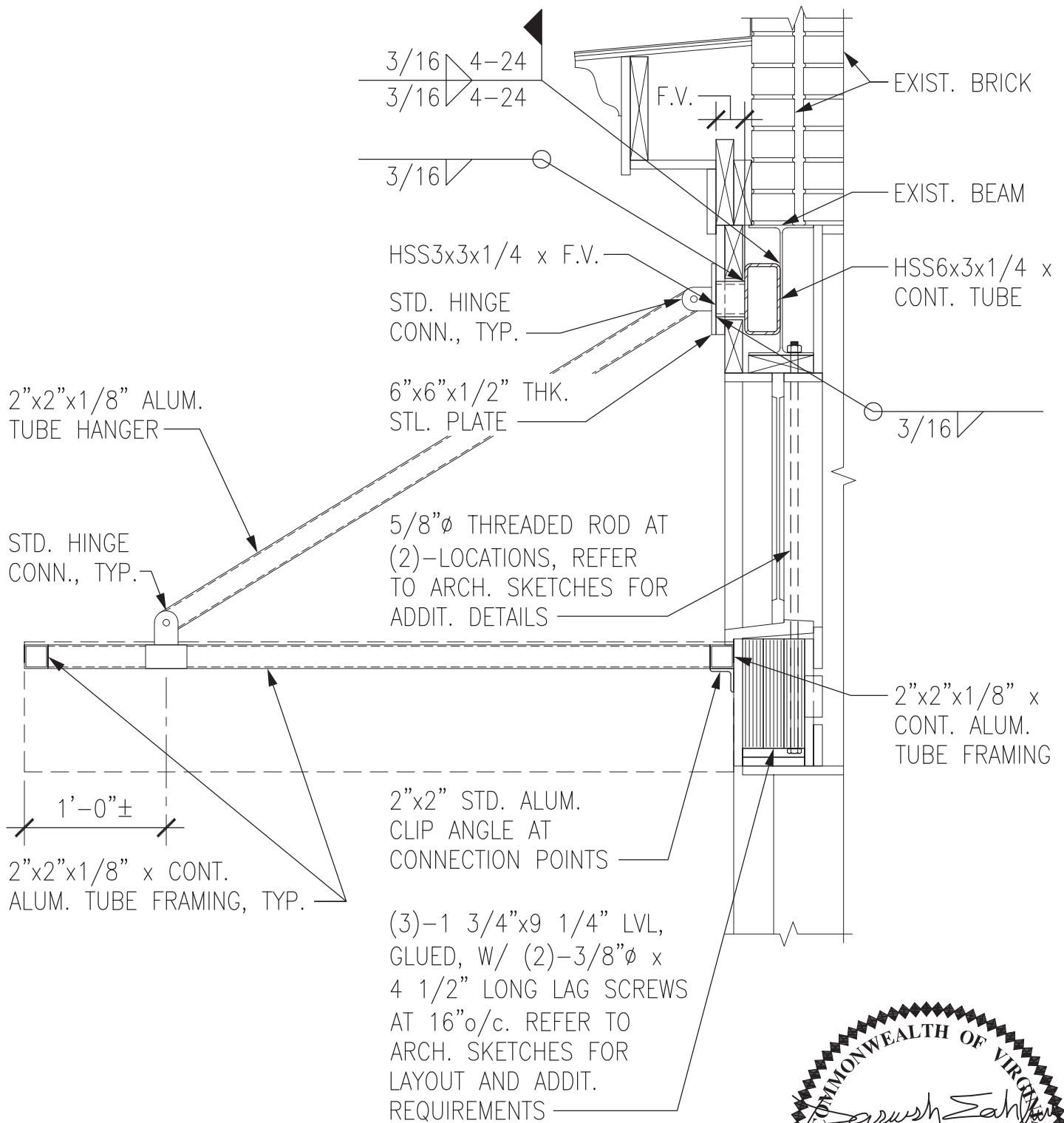
Canopy Panel: 12" high x 240" wide

Letters/Logo: 8" high x 1/2" thick flat cut acrylic painted metallic gold - gloss finish

Installation: Stud mount (approx 80 stud holes)

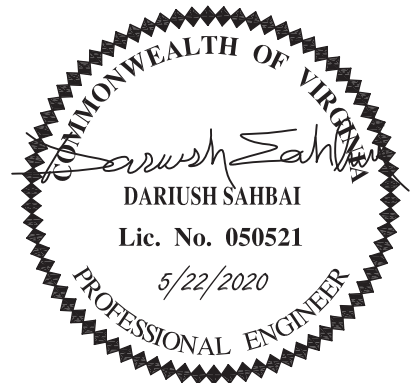


MOONRISE JEWELRY



SECTION AT NEW CANOPY

NOT TO SCALE



CANOPY FOR
MOONRISE JEWELRY
CAPE CHARLES, VIRGINIA 23310

SKS-01

SCALE: --

REFERENCE SHEET: --

McPHERSON
DESIGN
GROUP
STRUCTURAL ENGINEERS
4371 Center Drive, Suite 100 • Norfolk, Virginia 23502-4102
Phone (757) 965-2000 • Facsimile (757) 965-2001
www.mdg-eng.com

CAD: JDD	ENG: DS	DATE: 05.22.2020	PROJ NO: 20-034
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SECTION

Part I – General**1.1 Scope**

A. Furnish letters and hardware necessary to install Laser Cut Acrylic, shown on drawings and herein specified.

1.2 Submittals

A. Manufacturer's illustrated product literature and specifications.

B. Installation instructions

1.3 Quality Assurance

A. Manufacturer to have a minimum of 25 years experience in manufacturing letters.

B. All letters to be manufactured by one manufacturer.

Part II – Products**2.1 Acceptable Manufacturer or Manufacturer's Representative**

A. Gemini Incorporated

103 Mensing Way

Cannon Falls, MN 55009

Phone: 800-538-8377 or 507-263-3957

Fax: 800-421-1256 or 507-263-4887

Email: sales@geminisignproducts.com

Web: www.geminisignproducts.com

2.2 Materials (Impact-modified acrylic)

A. Gemini manufactures impact-modified extruded acrylic sheet, in multiple standard pigmented colors 1/8" to 1/2" thick and 3/4" – 1-1/2" thick Cast Acrylic sheet that can be liquid painted. Gemini's acrylic offers good rigidity, tensile strength, and is resistant to chemicals & corrosion - UV inhibitors help prevent colors from fading - Impact modifiers added to help prevent material from breaking.

2.3 General Construction.

A. Gemini's Laser cut acrylic letters & logos are cut from impact modified extruded acrylic sheet, pigmented or painted.

Extruded gauges: 1/8", 3/16", 1/4", 3/8", and 1/2" thickness. Pigmented or painted, standard or custom colors.

Cast gauges: 3/4", 1" & 1-1/2" thickness. Painted any standard or custom color.

B. Laser cut with a slight radius on all inside and outside corners. Filet sizes are based on part sizes and gauge. This radius helps to prevent letters from cracking during shipment and installation. Radius average = .050".

C. Computerized vector files are imported and cleaned to properly cut a quality product. The degree of cleaning is more critical with a laser to produce a quality finished product.

D. Largest single piece that can be laser cut and shipped is 46" x 93". Larger shapes can be cut in pieces. Letters can be laser cut as small as 3/4" high (with 1/8" thick material). Larger letters will typically require a thicker gauge material.

E. Laser cutting will produce a smooth edge (return). Edge finish will vary based on pigmented color or paint.

F. Laser cut acrylic panels and logos are available painted or custom printed with 1200 dpi resolution – UV resistant ink.

G. Impact Strength of 1.2, with a HN Flammability Rating. Vicat Softening Temperature of 227°F. Flame Spread Index 115. Smoke Develop Index 550. Self Ignition Temperature 833.

2.4 Mounting Hardware

A. Mounting options: plain, double face 25mil tape, studs, pads, or a combination of the two for typical mounting options. Letters 3/8" and thicker can be precision drilled & tapped for a Flush Stud mount. Optional spacers available.

B. Studs: Laser cut acrylic letters and logos are typically stud mounted with 6-32 or 10-24 studs. 5056 Aluminum alloy studs are standard. Stainless Steel 302 alloy studs - optional. 2" long studs are standard – longer studs available upon request.

C. Decorative Metal Stand-Offs, available for mounting acrylic panels. Clear Anodized Aluminum Stand-Offs are 1/2" or 1" diameter, with 3/4" or 1-1/2" stand-off options.

2.5 Manufacture

A. Letters/Logos shall be made of Laser Cut Acrylic.

B. Letter shall be _____ letter style and shall be _____ inches high, as indicated on drawings.

C. Mounting shall be _____ and a perfect pattern or drill pattern, designating stud locations are / are not required for mounting on a _____ surface.

Part III – Execution**3.1 Installation**

A. A qualified installer shall install Laser Cut Acrylic Letters and Logos.

3.2 Warranty

A. Letters should be guaranteed for the life of the business against defects.

3.3 Maintenance

A. Cleaning as needed per manufacturer recommendations.

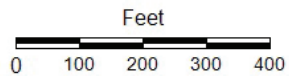
Northampton County, Virginia

Legend

-  County Boundaries
-  Town Names
-  Route Numbers
-  Road Labels
-  Parcels
-  Driveways



Map Printed from Northampton
<https://parcelviewer.geodecisions.com/Northampton/>



Title: 325 Mason Avenue

Date: 12/3/2020

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PRE-APPLICATION INFORMATION FORM

Town of Cape Charles
2 Plum Street
Cape Charles, VA 23310
757-331-2036 Fax: 757-331-4820
planner@capecharles.org

APPLICANT INFORMATION

Name: David Gomer
Mailing Address: 6 Randolph Ave.
Phone Number: 757-647-1001 Email: dgomer@verizon.net

PROJECT SUMMARY

Address of Project: 6 Randolph Ave
Application Type (rezoning, variance, etc.): COA
Total Acreage of Project: 0.0061983

Detailed Description (Include proposed use(s) and square footage of floor area for each use):

Take an existing 14 x 19 foundation (brick)
which supports a deck and enclose it
roughly 240 sq. ft. of conditioned space w/
metal roof and Hardie board siding

Signature of Applicant: David Gomer Date: 11/23/20

For Internal Use Only:

Pre-Application Meeting Date: _____

Staff Printed Name: _____ Signed: _____

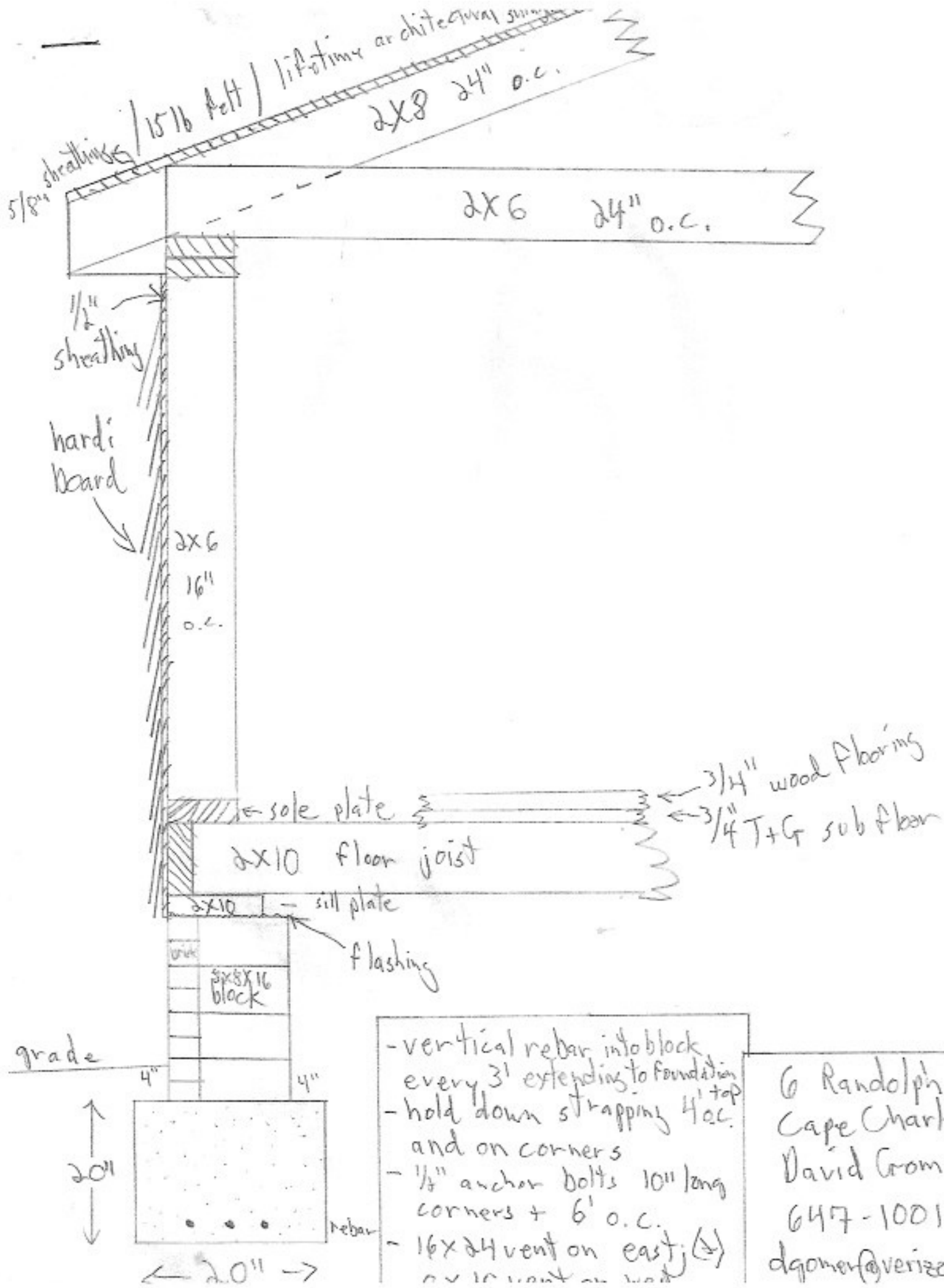
HDRB Rep Printed Name: _____ Signed: _____

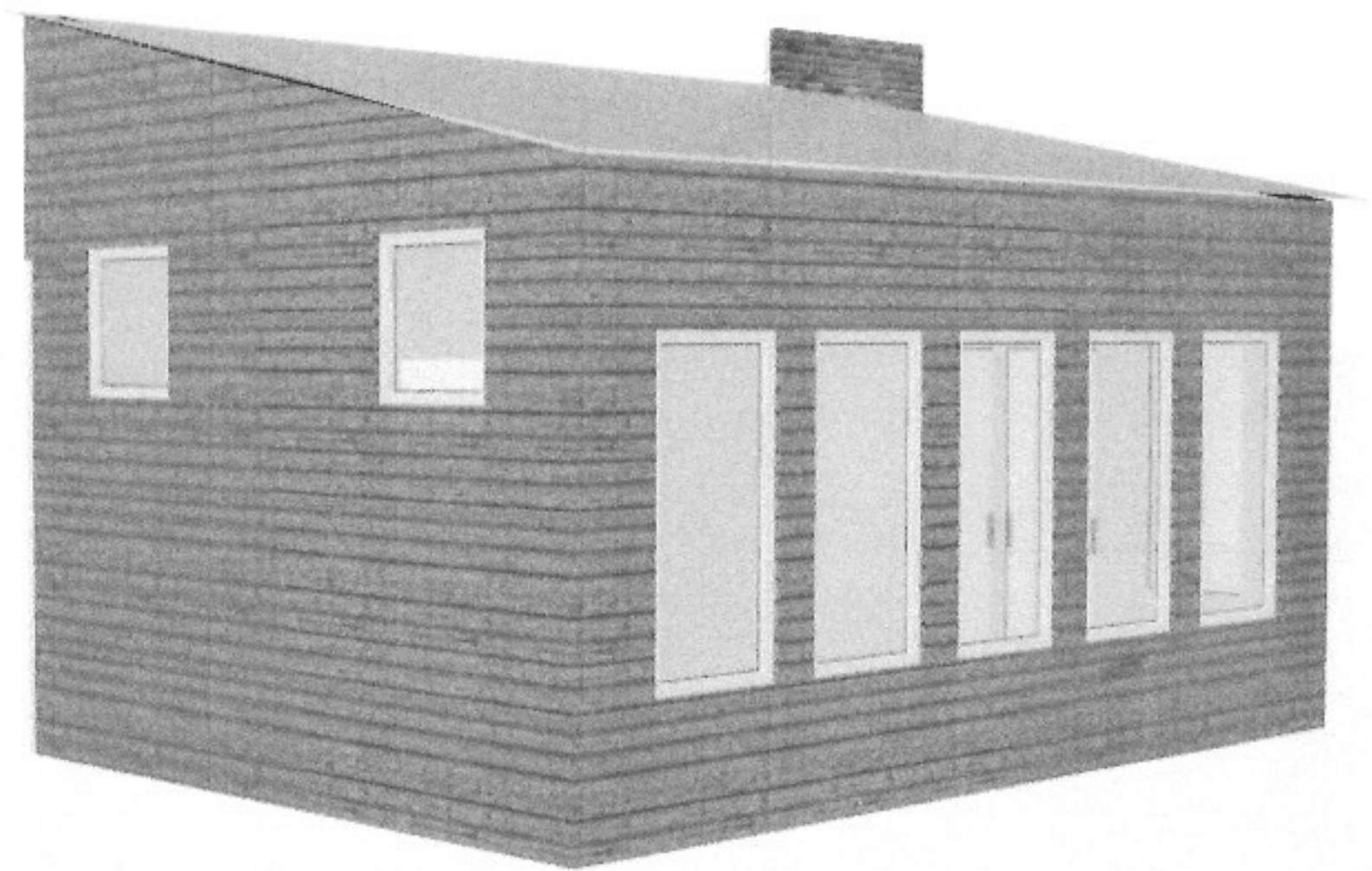
Dave Gomer
6 Randolph Ave.
Cape Charles, Va. 23310
757-647-1001

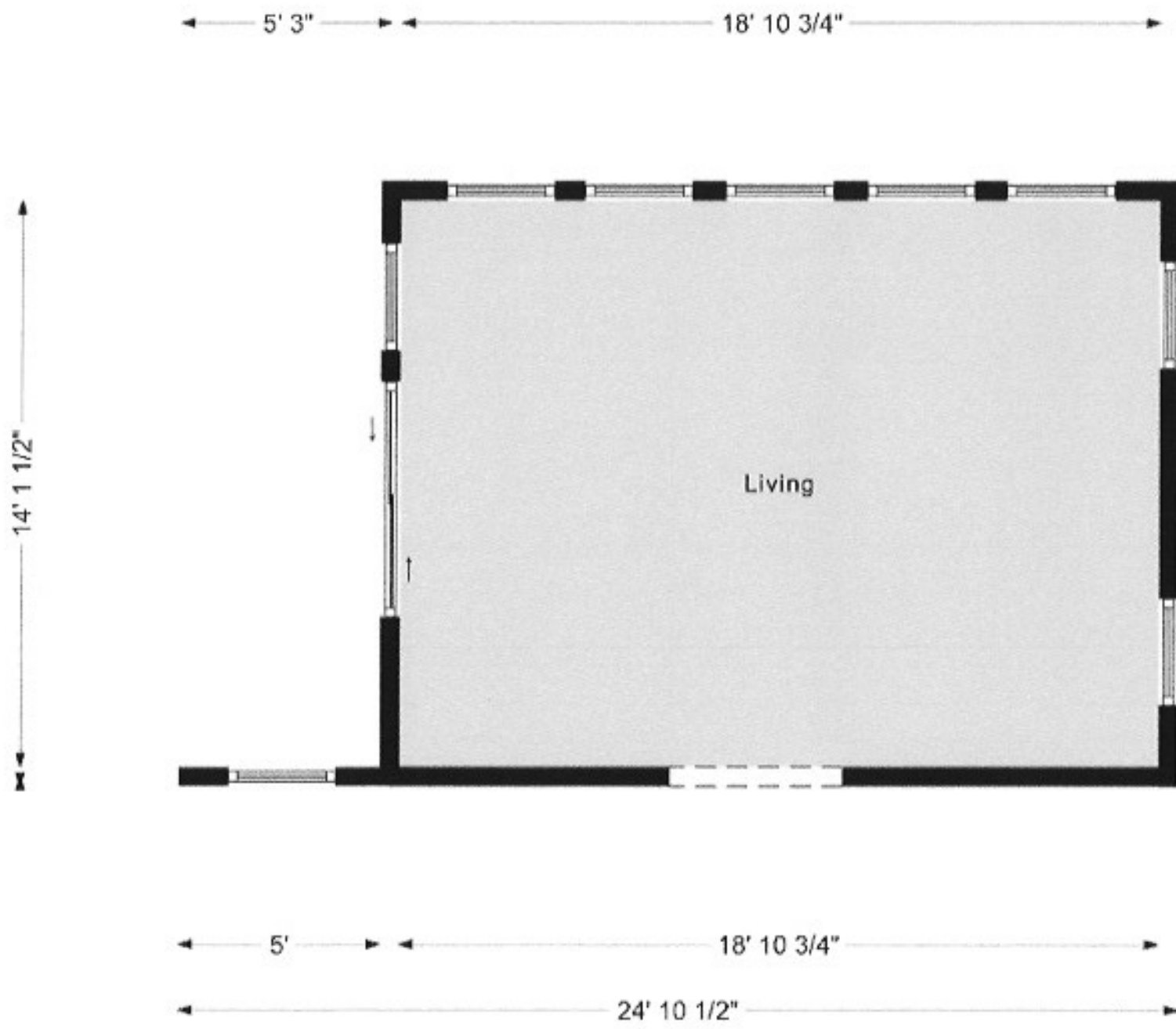
11/23/20

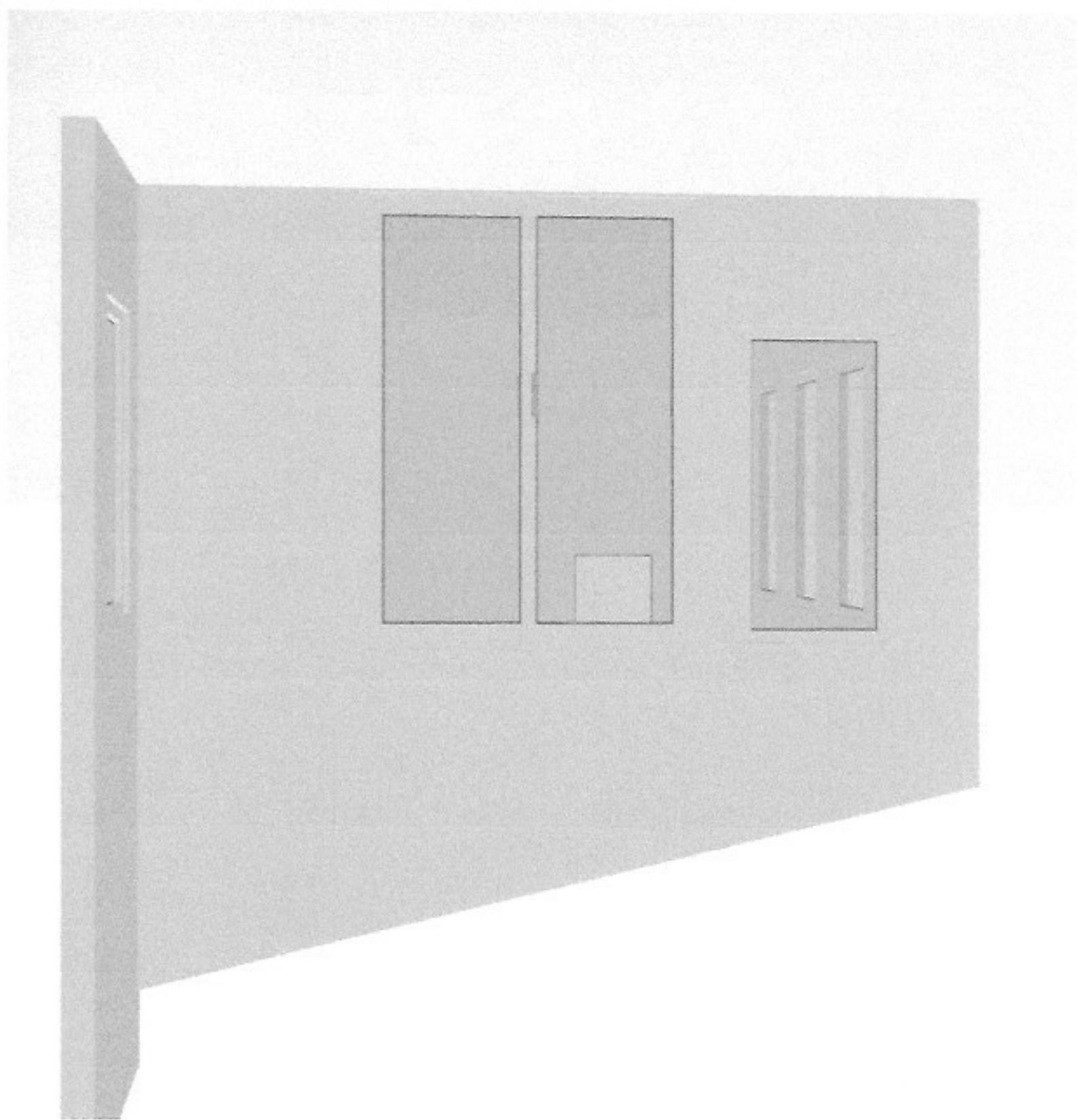
LETTER OF INTENT – 6 RANDOLPH AVE.

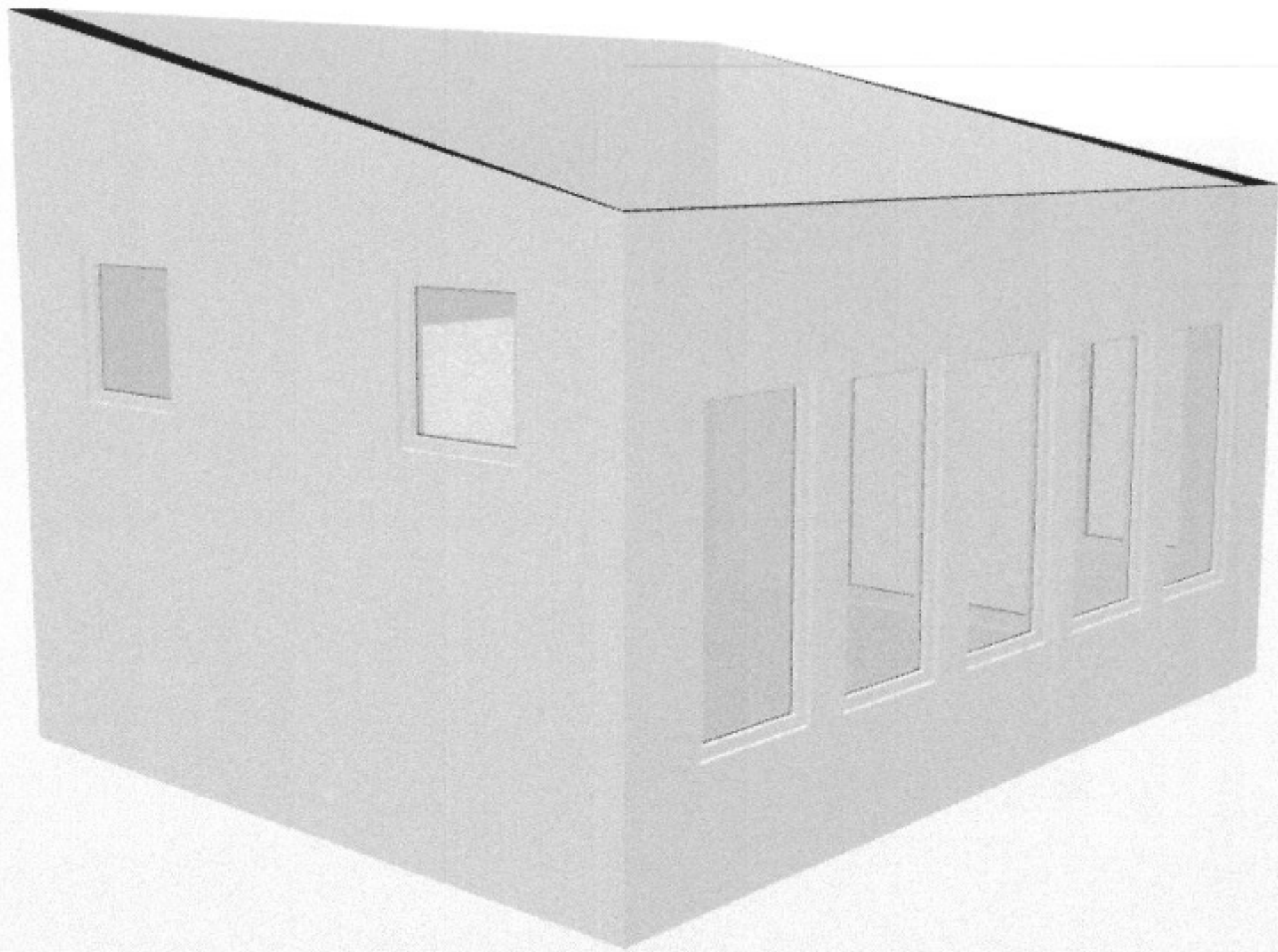
We currently have a brick and block foundation which was inspected and built to code when we renovated the complete structure back in 2012. We were going to build the sunroom back then but elected to put it off until now. The existing deck is roughly 14' 2" x 18' 11". We plan on using Hardie board siding, Andersen windows and a metal standing seam roof. All exterior trim will be Azek.











From: dgomer@verizon.net
To: [Tracy Outten](#)
Subject: 6 Randolph Ave
Date: Saturday, November 28, 2020 11:14:23 AM

Hi Tracy.

This is web address for the spec sheet for the metal roof and Hardie board siding we are considering. We would use the 16" with striations metal roof and the 7" exposure Hardieplank lap siding (smooth).

Thanks,

Dave

Roof:
<https://www.metalsales.us.com/wp-content/uploads/2020/01/specificationdata-verticalseam-2019-3.pdf>

Siding:
<https://www.jameshardie.com/homeowner/pdf/ner-405.pdf>



SPECIFICATION DATA

Metal Sales Manufacturing Corporation

This specification data sheet is provided by Metal Sales as a technical support tool incident to the sale of its Vertical Seam Roof Panel products. Contact Metal Sales for more information on these and other products.

Telephone: 800.406.7387
metalsales.us.com

Section 07 41 13 - METAL ROOF PANELS

1. PRODUCT NAME

Vertical Seam structural standing seam steel roof panels

2. MANUFACTURER

Metal Sales Manufacturing Corporation
545 South 3rd Street, Suite 200
Louisville, KY 40202
Toll Free: 800.406.7387
Phone: 502.855.4300
Fax: 502.855.4200
Web: metalsales.us.com
E-Mail: rgage@metalsales.us.com

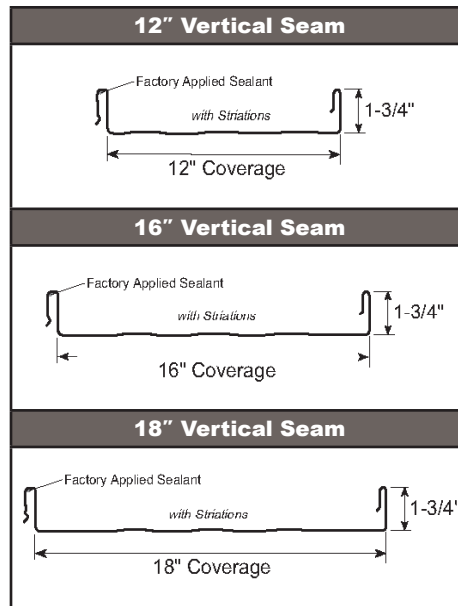
3. MANUFACTURER DESCRIPTION

Basic Use

For more than 50 years, Metal Sales has earned a reputation as the premier provider of metal building components and accessories. Metal Sales maintains the industry's largest professional sales and service team, supported by 21 branches located throughout the United States and offers a full line of high quality metal roof and wall panels for agricultural, commercial, architectural, industrial and residential projects of every shape and size for both new construction and retrofit applications. Metal Sales is dedicated to leading the metal building component industry, by setting new standards for operating efficiency, product design, active service management and lasting value.

Manufacturer Memberships and Affiliations

CRRC - Cool Roof Rating Council
MCA - Metal Construction Association
CSI - Construction Specifications Institute
NRCA - National Roofing Contractors Association
ILFI - International Living Future Institute
ENERGY STAR® Partner



4. TECHNICAL DATA

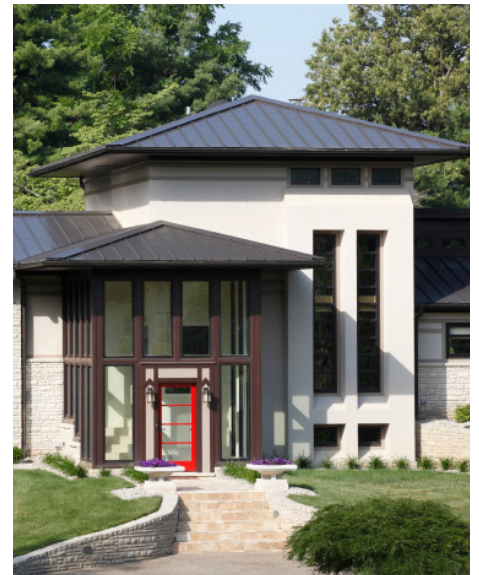
Applicable Standards

ASTM International (ASTM)

- ASTM A 653 - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
- ASTM A 792 - Standard Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process.
- ASTM D 2244 - Standard Practice for Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates.
- ASTM D 4214 - Standard Test Methods for Evaluating the Degree of Chalking of Exterior Paint Films.
- ASTM E 119 - Standard Test Methods for Fire Tests of Building Construction and Materials.
- ASTM E 1592 - Standard Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference.
- ASTM E 1646 - Standard Test Method for Water Penetration of Exterior Metal Roof Panel Systems by Uniform Static Air Pressure Difference.
- ASTM E 1680 - Standard Test Method for Rate of Air Leakage through Exterior Metal Roof Panel Systems.

Sheet Metal and Air Conditioning Contractors' National Association (SMACNA):

- "Architectural Sheet Metal Manual."



Keith Residence, Elizabethtown, KY

Underwriters Laboratories:

- UL 263 - Fire Tests of Building Construction and Materials.
- UL 580 - Tests For Uplift Resistance of Roof Assemblies.
- UL 790 - Standard Test Methods for Fire Tests of Roof Coverings.
- UL 2218 - Impact Resistance of Prepared Roof Covering Materials.

Approval Organizations:

Miami-Dade County.
2014 Florida Building Code.
ICC Evaluation Service.
Texas Department of Insurance.
UL.

Physical Properties:

Test reports are available to design professionals upon request.

Note: Industry designation for material thickness is moving away from "gauge" to "nominal thickness" in inches. Manufacturer's available panel thickness is 0.022 inch (formerly 26 ga.) or 0.028 inch (formerly 24 ga.) or 0.034 inch (formerly 22 ga.). Manufacturer recommends use of a "minimum coated thickness" requirement of 0.018 inch (0.46 mm) instead of 26 ga., 0.023 inch (0.58 mm) instead of 24 ga., and 0.0296 inch (0.75 mm) instead of 22 ga.

Technical Properties for Vertical Seam:

- ▶ Panel Coverage: 12 inches (304.8 mm), 16 inches (406.4 mm) or 18 inches (457.2 mm).
- ▶ Rib Height: 1-3/4 inches (44.5 mm).
- ▶ Material: Aluminum-zinc alloy-coated steel sheet, ASTM A 792, Class AZ50 coating designation, Grade 50, structural quality, 0.022 inch (0.56 mm), 0.028 inch (0.71 mm) or 0.034 inch (0.86 mm) nominal thickness.
- ▶ Minimum Roof Slope Capability: 3:12 over Open Framing.
- ▶ Minimum Roof Slope Capability: 1:12 over Solid Substrate.
- ▶ Sealant: Factory-applied side lap sealant.
- ▶ Attachment: Concealed clip designed for thermal movement.
- ▶ Side Lap: Snap-together panel system.
Insulation Capacity: Accommodate blanket insulation 1/2 inch (12.7 mm) to 4 inches (101.6 mm) thickness.
- ▶ Application: Applied over open framing or solid substrate.
- ▶ Surface Finish: PVDF, MS Colorfast45® or Acrylic-Coated Galvalume.
- ▶ Color: See list of available colors. Contact Metal Sales for more information.
- ▶ Testing: Fire Resistance Rating: UL 790 Class A Fire Resistance Rating and UL 263 per assembly. Impact Resistance: UL 2218 Class 4.
Air Infiltration: Tested according to ASTM E 1680.
Water Infiltration: Tested according to ASTM E 1646.
Wind Uplift Resistance: Tested according to ASTM E 1592 and in compliance with UL 580, Class 90.
- ▶ Code and Testing Agency Approvals:
Miami-Dade County Approved (NOA 18-1227.01).
2017 Florida Building Code Approved: FL11560.10, FL11560.11, FL11560.12, FL11560.13, FL11560.14, FL14645.6 and FL14645.7.
ICC Evaluation Report: ESR-2385.
Texas Department of Insurance: RC-412.
UL Construction #436, 446, 448.

Environmental Considerations

Construction metals generally are readily recyclable at the end of their service life. The raw materials used in manufacture of standing seam panels also come from recycled sources. Post industrial and post consumer recycled content varies.



Lafayette Library and Learning Center, Lafayette, CA

Fire Performance

Flame-Spread Index: 25 or less (Class A), or 200 or less (Class C).
Smoke-Developed Index: 450 or less.

5. INSTALLATION**Handling and Storage**

Handle and store product according to Metal Sales recommendations. Deliver materials in original, unopened, undamaged containers with identification labels intact. Store materials above ground, under waterproof covering, protected from exposure to harmful weather conditions and at temperature and humidity conditions recommended by manufacturer. Provide proper ventilation of metal panel system to prevent condensation build-up between each panel and trim or flashing component. Store metal panel products in manufacturer's unopened packaging until ready for installation. Exercise caution in unloading and handling metal panel system to prevent bending, warping, twisting and surface damage.

Preparation

Install substrate boards over roof deck and sheathing over entire roof surface using recommended fasteners. Install furring, eave angles, sub-purlins and other miscellaneous roof panel support members and anchor according to metal roof panel manufacturer's recommendations. Ensure panel support is in-plane. Limit in-plane variance to no more than a total of 1/4 inch (6mm) on 10 feet (3.05 m).

Underlayment Installation

Install self-adhering sheet underlayment and felt underlayment as required. Apply slip sheet over underlayment prior to installing metal roof panels. Install flashing in compliance with requirements in Division 07 Section "Sheet Metal Flashing and Trim."

Thermal Insulation Installation

Install polyethylene vapor retarder if required. Install board insulation if required, in compliance with installation requirements in Division 07 Section "Thermal Insulation."

Install blanket insulation if required, in compliance with installation requirements in Division 07 Section "Thermal Insulation."

Metal Roof Panel Installation

Verify that site conditions are acceptable for installation. Do not proceed with installation until unacceptable conditions are corrected. Comply with panel manufacturer's installation instructions including but not limited to special techniques, interface with other work and integration of systems. Fasten metal roof panels to supports with concealed clips at each standing-seam joint at location, spacing and using proper fasteners as recommended by panel manufacturer. Comply with installation tolerances as required.

Accessory Installation

Install accessories using techniques recommended by manufacturer and which will assure positive anchorage to building and weather tight mounting. Provide for thermal movement. Coordinate installation with flashings and other components. For Flashing and Trim, comply with performance requirements, manufacturer's written installation instructions and the SMACNA "Architectural Sheet Metal Manual." Provide concealed fasteners where possible, and install units to true level. Install work with laps, joints and seams that will be permanently watertight. Metal Sales recommends S-5! non-penetrating systems for the attachment of snow guards and solar panels.

Field Quality Control

If requested by Owner, provide manufacturer's field service consisting of product use recommendations and periodic site visits for inspection of product installation in accordance with manufacturer's instructions.

Precautions, Cleaning and Protection

Touch-up paint is used to cover and protect unexpected scratches on the paint finish that may occur during installation of panel. Touch-up paint will not weather as well or at the same rate as the original system. Test in an area that will not be noticeable. Metallic paint colors are available at an additional charge. Minor differences in color and appearance are normal and to be expected.

To minimize possible differences in appearance, an entire project should be painted at one time, from one batch of paint, using the same application equipment. Additionally, fabricated panels, flat sheet and flashings should be oriented in the same direction.

After installation remove temporary coverings and protection of adjacent work areas. Repair or replace any installed products that have been damaged. Clean installed panels in accordance with manufacturer's instructions prior to Owner's acceptance. Remove and lawfully dispose of construction debris from Project site. Protect installed product and finish surfaces from damage during construction.

Building Codes

Current data on building code requirements and product compliance may be obtained from Metal Sales technical support specialists. Installation must comply with the requirements of authority having jurisdiction.

6. AVAILABILITY AND COST**Availability**

Metal Sales products are nationally distributed and supported from 21 convenient locations nationwide, including Alaska. Metal Sales has the ability to ship worldwide. Contact Metal Sales for information on local availability.

Cost

Budget installed cost information may be obtained from a local Metal Sales distributor or through the manufacturer.

7. WARRANTIES**Weather Tightness Warranty**

Metal Sales Weather Tightness Warranty is available in several forms. Request sample warranty documents from manufacturer for review and editing assistance. Warranty Period is optionally 5, 10 or 20 years.

Type 1 Warranty:

Side lap warranty only, with dollar limit.

Type 2 Warranty:

Trim and side lap warranty, with dollar limit.

Type 3 Warranty:

Side lap warranty only, with no dollar limit.

Type 4 Warranty:

Trim and side lap warranty, with no dollar limit.

Premier Plus Warranty:

Single-source warranty, with no dollar limit.

Paint Finish Warranty

Metal Sales standard PVDF Fluorocarbon System Warranty for film integrity, chalk rating, fade rating and perforation in which manufacturer agrees to repair or replace panels that show evidence of deterioration within specified warranty period. Deterioration shall include, but is not limited to, color fading of more than 5 Hunter units when tested according to ASTM D 2244, chalking in excess of a No. 8 rating when tested according to ASTM D 4214 or cracking, checking, peeling or failure of paint to adhere to bare metal. Warranty Period for film integrity is 45 years, for chalk and fade rating is 35 years and for perforation is 25 years on AZ50 material. Metal Sales warranty excludes surface deterioration due to physical damage and exposure to salt air environments.

Metal Sales MS Colorfast45® warranty for film integrity, chalk rating, fade rating and perforation in which manufacturer agrees to repair or replace panels that show evidence of deterioration within specified warranty period. Deterioration shall include, but is not limited to, color fading of more than 5 Hunter units on vertical applications or more than 6 Hunter units on non-vertical applications when tested according to ASTM D 2244, chalking in excess of a No. 8 rating on vertical applications or a No. 7 rating on non-vertical applications when tested according to ASTM D 4214, cracking, checking, peeling or failure of paint to adhere to bare metal or perforation. Warranty Period for film integrity is 45 years, for chalk and fade rating is 30 years and for perforation is 25 years on AZ50 material. Metal Sales warranty excludes surface deterioration due to physical damage and exposure to salt air environments.

8. MAINTENANCE

No specific maintenance is required for properly installed Metal Sales standing seam panel products. Periodic roof inspection to verify system integrity, drainage functionality and repair of storm damage is advised.

9. TECHNICAL SERVICES

Technical assistance, including more detailed information, product literature, test results, project lists, assistance in preparing project specifications and arrangements for application supervision, is available by contacting Metal Sales.

10. FILING SYSTEMS

Additional product information is available from the manufacturer upon request. Metal Sales product information may be found in McGraw-Hill Sweets, BSD SpecLink and Arcom MasterSpec.



Tradewinds Model Home, FL

HardiePlank® Lap Siding Product Description

HardiePlank® lap siding is factory-primed fiber-cement lap siding available in a variety of styles and textures. Please see your local James Hardie® product dealer for product availability. HardiePlank lap siding comes in 12 ft. lengths. Nominal widths from 5 1/4 in to 12 in. create a range of exposures from 4 in to 10 3/4 in

HardiePlank lap siding is also available with ColorPlus® Technology as one of James Hardie's prefinished products. ColorPlus® Technology is a factory applied, oven-baked finish available on a variety of James Hardie siding and trim products. See your local dealer for details and availability of products, colors, and accessories.

The HZ5® product line is right at home in climates with freezing temperatures, seasonal temperature variations, snow and ice. HZ5® boards are the result of our generational evolution of our time-tested products. We've evolved our substrate composition to be specifically designed to perform in conditions found in these climates. To ensure that its beauty matches its durability, we've engineered the surface for higher performance, giving it superior paint adhesion and moisture resistance. In addition, we've added a drip edge to the HardiePlank® HZ5® lap siding product to provide improved water management in conditions specific to HZ5® climates.



Select Cedarmill®



Smooth



Beaded Cedarmill®



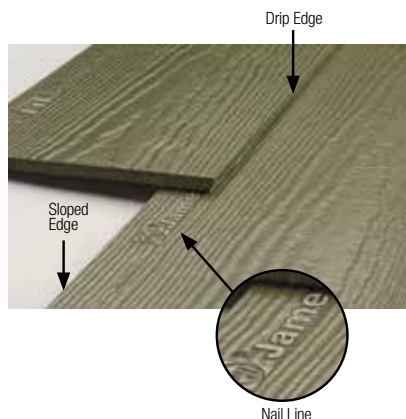
Beaded Smooth



Custom Colonial Roughsawn®



Custom Colonial Smooth®

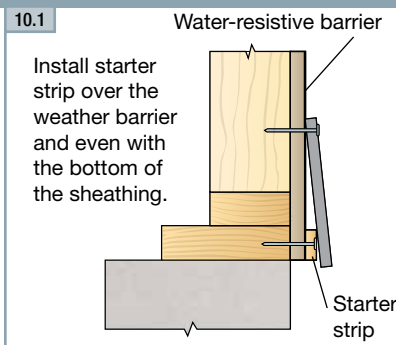


Installation of HardiePlank® Lap Siding

INSTALL A STARTER STRIP

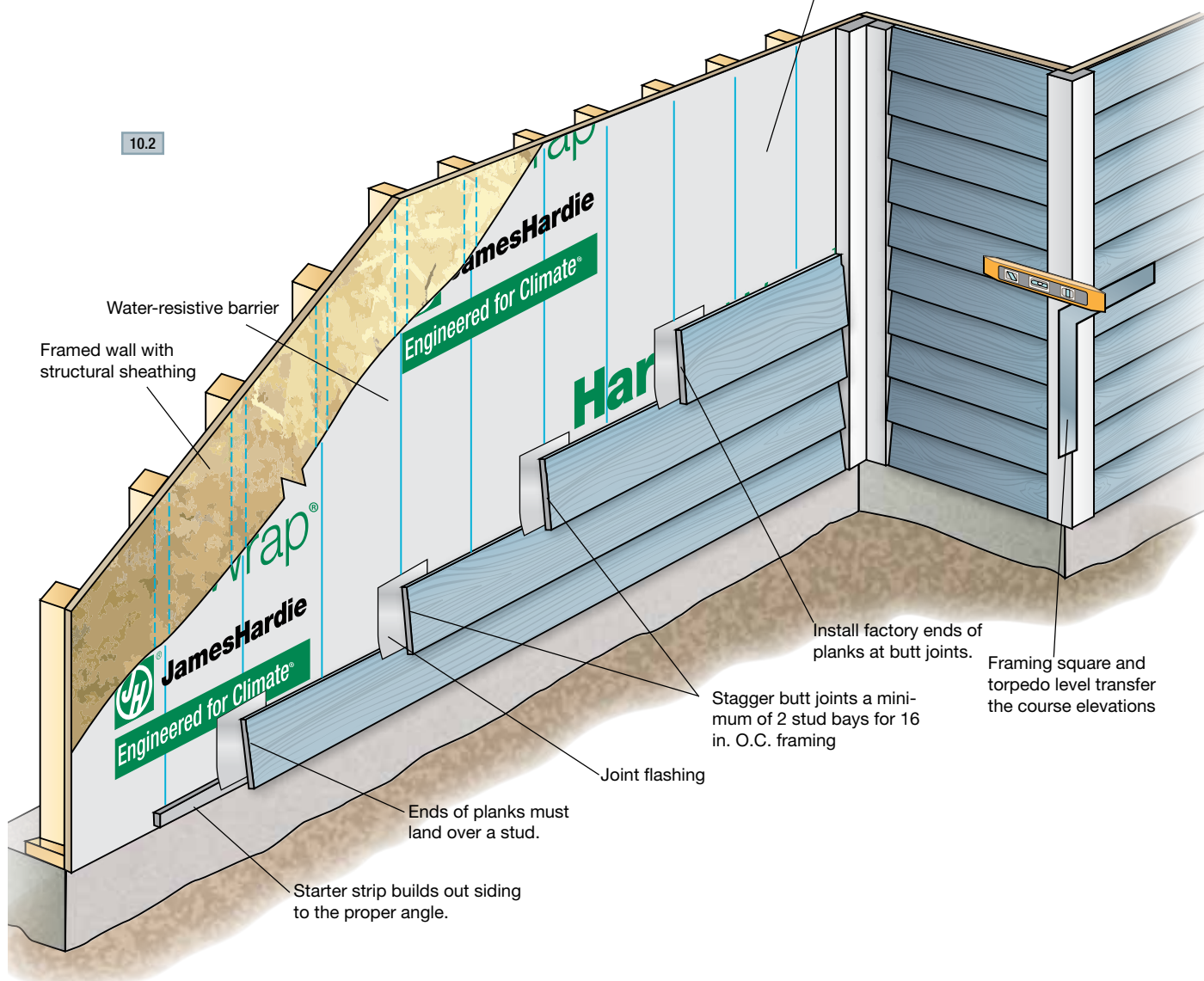
HardiePlank® lap siding requires a starter strip beneath the first course to set it on the proper angle and to create a proper drip edge at the bottom of the siding. Starter strips are easily made by ripping 1 ¼ in. pieces of HardiePlank siding from full or partial planks.

The bottom of the starter strip should be installed even with the bottom of the mudsill or the bottom edge of the sheathing. The strip must be installed over the water-resistive barrier, but occasional gaps should be left in the starter strip to allow any accumulated moisture behind the siding to drain away safely.



TIP: For accurate fastening, snap vertical chalk lines on the water-resistive barrier at the center of every stud location.

OVERVIEW OF HARDIEPLANK LAP SIDING

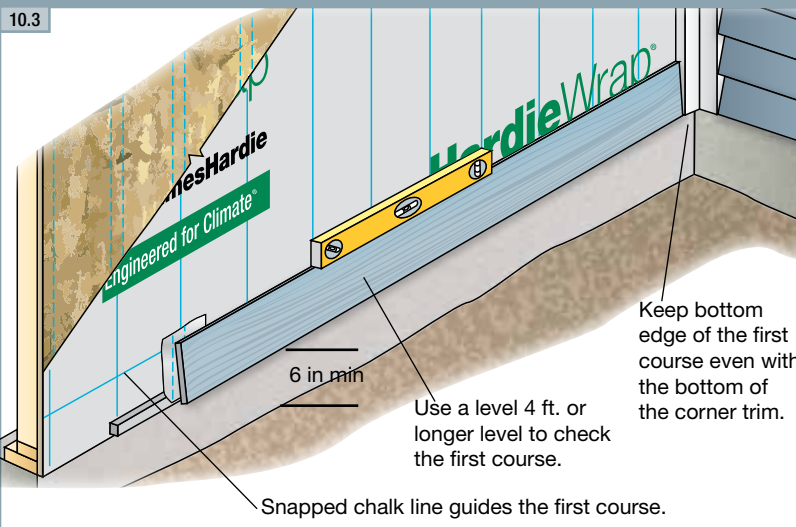


INSTALLING THE PLANKS

The first course of HardiePlank® siding is critical to the proper installation of the plank on the rest of the building. The first course should start at the lowest point of the house and within required clearances. Special attention should be made to ensure that it's straight and level. Attention should also be paid to staggering any butt joints in the planks so that the installation is attractive while making efficient use of material.

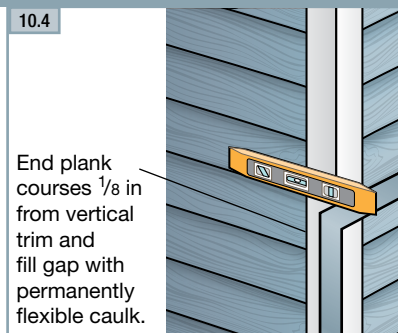
1. Use a level (4 ft. or longer) or chalked level line to be sure that the first course is level. As installation proceeds up the wall, periodically check the level and straightness of the courses. When correcting for flatness over products such as exterior insulation, use drywall shims. It is good practice to snap a chalk line every 3 to 5 courses to keep the planks straight and level.
2. Position the bottom edge of the first course of siding a minimum $\frac{1}{4}$ in below the edge of the starter strip (maintain required clearances) and secure.
3. Run the siding to the HardieTrim® board leaving a $\frac{1}{8}$ in. gap between the siding and trim.

The bottom of the siding should be kept even with the bottom of the trim, or if desired, the trim may extend below the bottom of the siding. But the siding should never hang below the trim. ***When installing the first course make sure ground clearances are in accordance with James Hardie requirements and those of local codes.**



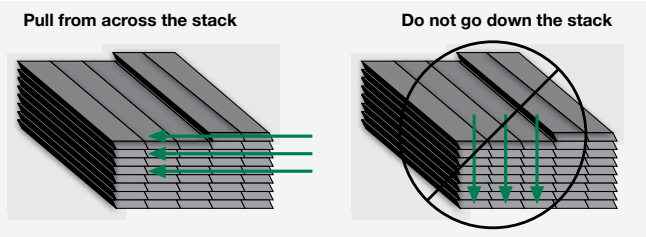
PLANK ALIGNMENT AT CORNERS

For the best looking installation, make sure that the heights of the plank courses match on both sides of a corner. Use a framing square, speed square or a level to match up the plank heights. Check every few courses to make sure proper heights are being maintained.



HANDLING

IMPORTANT: To prevent damage to the drip edge, extra care should be taken when removing planks from the pallet, while handling, and when installing with a lap gauge. Planks are interlocked together on the pallet, therefore they should be removed from the pallet horizontally (side to side) to allow planks to unlock themselves from one another.



TIP: When taking planks from the pallet installation, avoid repeating the texture pattern by working across the pallet. Two to four planks can be removed from a stack at one time. But then material should be taken from adjacent stacks, again working across the pallet. Texture repeat is typically a concern on large walls with few breaks such as windows or doors.

Installation of HardiePlank® Lap Siding (cont.)

BLIND NAILING (nailing through top of plank)

Blind nailing is recommended for installing any type of HardiePlank® lap siding including ColorPlus® siding. With blind nailing, each course covers the fasteners on the course below, which provides a better looking installation.

For blind nailing HardiePlank lap siding, James Hardie recommends driving fasteners 1 in. from the top edge of the plank. Additionally fasteners should be

placed no closer than 3/8 in from the ends of the plank.

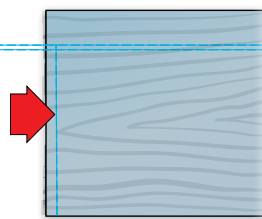
HardiePlank® HZ5® Lap Siding is manufactured with a nail line that should be used as a guide for proper nail placement when blind nailing. This nail line should not be used as a lap line.

Avoid placing fasteners near the top edge of the plank. This practice, called “high nailing”, may lead to loose planks, unwanted gaps or rattling. **Pin-backed corners may be done for aesthetic purposes only. Finish nails are recommended for pin-backs. Headed siding nails are allowed. Place pin-backs no closer than 1in. from plank ends & 3/4in. from plank edge into min. 3/8in. wood structural panel. Pin-backs are not a substitute for blind or face nailing**

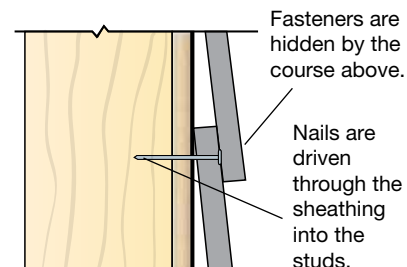
10.5 Blind nailing measurements

Nails for blind nailing shall be between 3/4 in and 1 in. from the top of the board.

Keep nails 3/8 in from ends of boards.



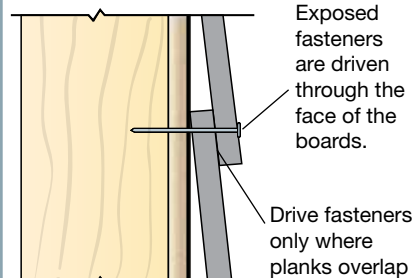
10.6 Blind nailing



FACE NAILING (nailing through the overlap at the bottom of the plank)

Although blind nailing is recommended by James Hardie, face nailing may be required for certain installations including: installations in high wind areas, fastening into OSB or equivalent sheathing without penetrating a stud, or when dictated by specific building codes. Refer to Appendix D for related code matters.

10.7 Face nailing



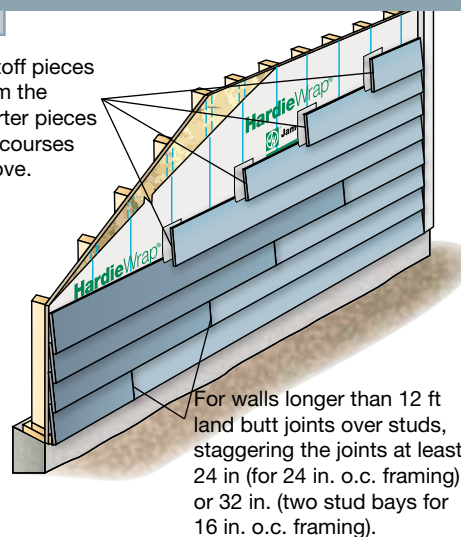
STAGGERING THE BUTT JOINTS

For walls longer than 12 ft, it is necessary to butt joint additional lengths of HardiePlank siding. These butt joints should be staggered to avoid noticeable patterns, which is determined by the placement of the first course. Butt joints between consecutive courses should be spaced apart by at least two stud bays for 16 in. o.c. framing or one bay for 24 in. o.c. framing.

While random placement of the planks is usually the most aesthetically pleasing, a progressive stagger pattern can make the job easier and faster without the pattern becoming too noticeable. With this strategy, the cut off piece for one course becomes the starter piece for a course above, making efficient use of materials and ensuring that all butt joints land on studs. The pattern can be modified for different stud placement.

10.8

Cutoff pieces form the starter pieces for courses above.



For walls longer than 12 ft land butt joints over studs, staggering the joints at least 24 in (for 24 in. o.c. framing) or 32 in. (two stud bays for 16 in. o.c. framing).

JOINT FLASHING

One or more of the following joint treatment options are required by code (as referenced 2009 IRC R703.10.2)

- A. Joint Flashing (James Hardie recommended)
- B. Caulking* (Caulking is not recommended for ColorPlus for aesthetic reasons as the Caulking and ColorPlus will weather differently. For the same reason, do not caulk nail heads on ColorPlus products.)
- C. "H" jointer cover

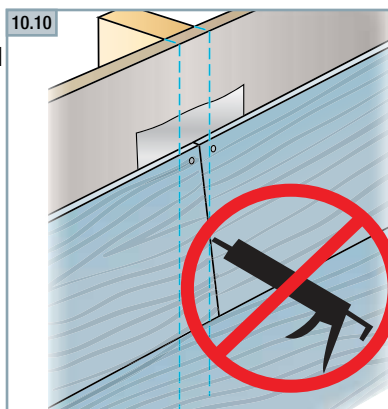
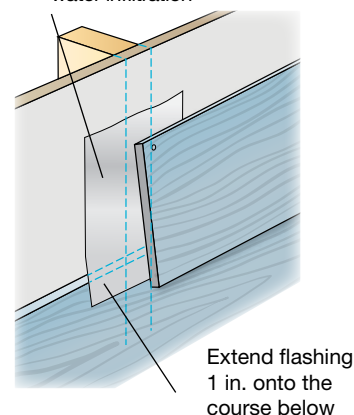
Flashing behind butt joints provides an extra level of protection against the entry of water at the joint. James Hardie recommends 6 in. wide flashing that overlaps the course below by 1 in. Some local building codes may require different size flashing.

Joint-flashing material must be durable, waterproof materials that do not react with cement products. Examples of suitable material include finished coil stock and code compliant water-resistive barriers. Other products may also be suitable.

TIP: Joint flashing can be quickly and easily made by cutting a 6 in. wide section off a roll of housewrap. Tape the roll tightly at the cut mark and cut the section off using a miter saw with a carbide blade. Individual sheets then can be cut to length with a utility knife.

TIP: Use light-colored joint flashing when using light-colored ColorPlus lap siding or other siding with a light-colored finish. Dark-color joint flashings should be used on siding with dark finishes.

10.9 Flashing behind to add an additional layer of protection from water infiltration

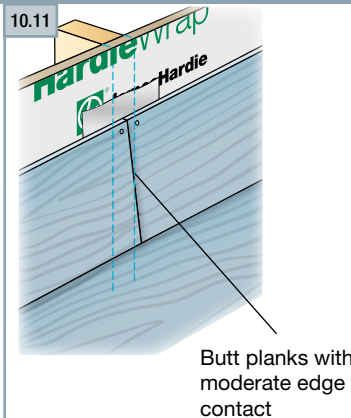


Caulking at HardiePlank lap siding butt joints is not recommended for ColorPlus for aesthetic reasons as the caulking and ColorPlus will weather differently. For the same reason, do not caulk exposed nail heads. Refer to the ColorPlus touch-up section for details

JOINT PLACEMENT AND TREATMENT

Butt joints in HardiePlank lap siding should always land on a stud. Butt joints between studs are not recommended and should be avoided. Whenever possible, factory-finished ends should be used at butt joints.

Place cut ends where the siding meets a corner, door, window trim, or other break in the wall where the joint is to be caulked. If cut ends are used in a butt joint between planks, James Hardie requires sealing cut ends for all products. For ColorPlus products, use the color-matched edge coater to seal the cut end.



COLORPLUS® TIP: When installing HardiePlank lap siding with ColorPlus Technology, position the plank in the immediate area where the plank is to be fastened. Do not place the plank on the course below and slide into position. Doing so may scuff or scratch the ColorPlus finish on the installed piece.

Installation of HardiePlank® Lap Siding (cont.)

CONTINUING THE INSTALLATION

Once the initial course of HardiePlank® siding is fastened to the wall, continue installing successive courses with full 12 ft. pieces (follow the stagger pattern for longer walls), or until a window, door or other opening interrupts the course (fig 10.12). Notch planks as needed to fit around windows and doors. Again, be sure to seal all cut edges. Avoid placing butt joints directly above or below windows or above doors. Separate the joint from the opening by at least one course of siding.

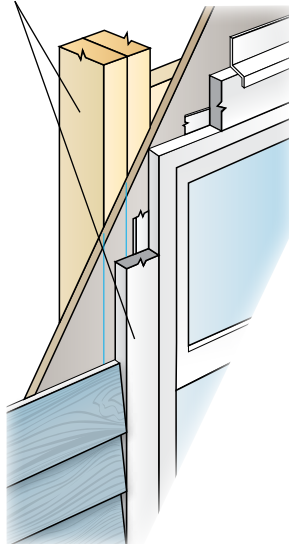
Where butt joints land on a stud, make sure there is enough stud space for plank on both sides of the joint to land properly. Optimally both sides of a butt joint should land in the middle of a stud with 3/4 in landing space for each side. The minimum stud space for a plank to land is 3/8 in

Pay special attention to window, doors, and corners that have been trimmed before the siding goes on. Vertical trim boards may cover the king studs beside windows or doors, or they may cover up corner studs leaving no room for nailing the siding. In these places add extra studs as needed.

If corners are trimmed with HardieTrim® 5/4, 4/4 boards, it may be necessary to measure and cut the first pieces of siding to make sure the butt joints land on studs.

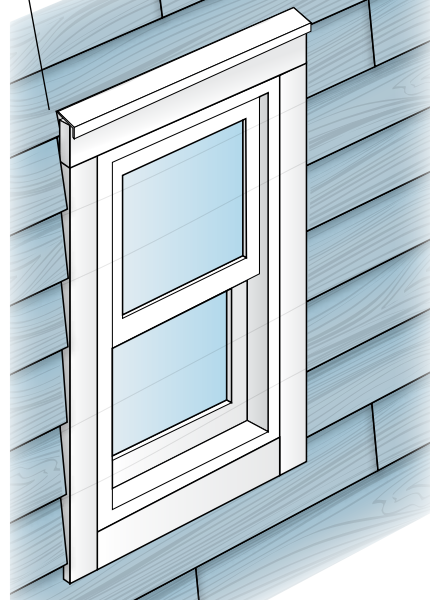
10.12 Planking around windows

Add an extra stud if necessary for nailing the ends of the planks.



Notch plank around window trim and flashing.

Keep butt joints more than one course away from top of window.



COLORPLUS TIP: HardiePlank lap siding with ColorPlus Technology is shipped with a protective laminate slip sheet, which should be left in place during cutting and fastening to reduce marring and scratching. The sheet should be removed immediately after each plank is installed.



INSTALLING HARDIEPLANK® SIDING ON GABLE WALLS

Siding gable walls can be challenging, and some of the keys to siding gable walls efficiently are determining the angle or pitch of the roof, properly staging materials, and ensuring that the plank lengths are measured accurately.

To estimate the amount of siding needed to complete a gable end, use the estimating tools located in Appendix C.

Stage enough material on the pump jacks or scaffolding to complete the gable end, but take care not to overload the staging. When possible, a cut table should be located on the pump jacks or scaffolding, which frees up crew members to work on other walls.

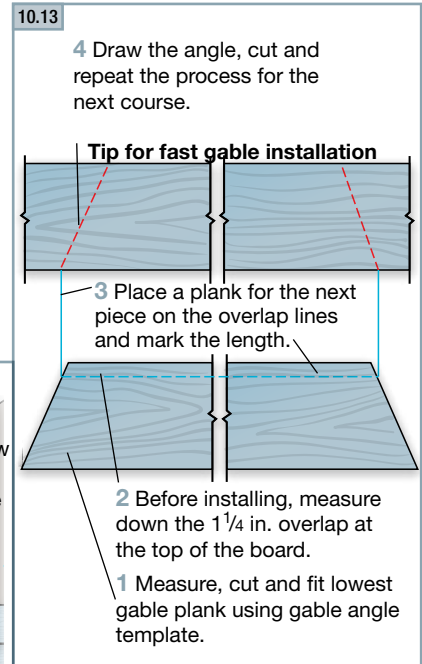
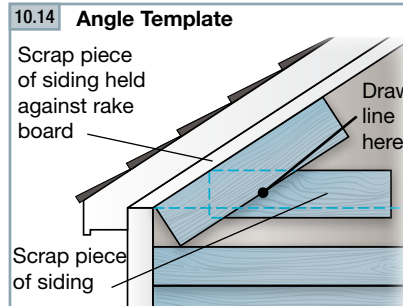
To cut planks for the gable:

1. Tack up a small scrap piece of siding where the first gable course is going.
2. Hold a second small piece of siding against the eave or rake board.
3. Trace the angle onto the scrap.
4. Cut that line and label the scrap as the template for the gable angle. The template can then be used to transfer the angle onto the larger pieces for cutting and installation.
5. Periodically check the angle as you progress up the wall.

The quickest way to measure and cut consecutive courses of siding for a gable is to work off the previous piece.

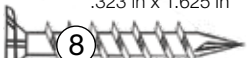
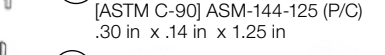
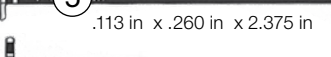
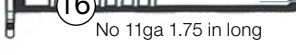
1. Cut and fit the lowest course of siding.
2. Before installing, lay it flat and measure down 1 1/4 in. from the top edge of the plank for the course overlap. Make a mark on both ends.
3. Set a piece of uncut siding on top of the first piece, aligning the bottom edge with the overlap marks. Transfer the length directly to the uncut piece.
4. Draw the gable angle with the template, cut the angle and then repeat the process for the next course.

TIP: Stainless steel fasteners are recommended when installing James Hardie® products.



HARDIEPLANK® SIDING FASTENER SPECIFICATIONS

The Fastener Specifications table shows fastener options for a variety of different nailing substrates. Please refer to the applicable ESR report online (see back page) to determine which fastener meets your wind load design criteria.

Fastener Substrate			Approved Fastener	Fastener Type
wood studs	blind nail	16 in o.c.		 ② .113 in x .267 in x 2 in — 6D common
		24 in o.c.	③ ⑨ ⑩	 ③ .093 in x .222 in. x 2 in — 6D siding nail
	face nail	16 in o.c.	② ⑤	 ⑨ No 11ga 1.25 in long — roofing nail
		24 in o.c.	② ⑤	 ⑦ Ribbed Bugle-Head No. 8 .323 in x 1.625 in — screws
steel studs*	blind nail	16 in o.c.		 ⑧ Ribbed Wafer-Head No. 8 (.375 in x 1.25 in)
		24 in o.c.	⑧ ⑬	 ⑫ [AKN-100] .100 in x .25 in x 1.5 in — ET&F
	face nail	16 in o.c.		 ⑬ [AGS-100] .100 in x .313 in x 1.5 in
		24 in o.c.	⑦ ⑫	 ⑭ [ASTM C-90] ASM-144-125 (P/C) .30 in x .14 in x 1.25 in — masonry nail
		Direct to Masonry	⑭	 ⑤ .113 in x .260 in x 2.375 in — 8D common
		7/16 in OSB or equivalent (face nailed)	④	 ⑯ No 11ga 1.75 in long — roofing nail
			 ④ .091 in. x .221 in. x 1.5 in — 4D siding nail	

*When blind fastening 9.5 in or wider product onto steel studs, use screws.

● indicates recommended fasteners



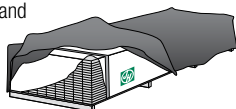
HardiePlank® Lap Siding

EFFECTIVE SEPTEMBER 2019

IMPORTANT: FAILURE TO FOLLOW JAMES HARDIE WRITTEN INSTALLATION INSTRUCTIONS AND COMPLY WITH APPLICABLE BUILDING CODES MAY VIOLATE LOCAL LAWS, AFFECT BUILDING ENVELOPE PERFORMANCE AND MAY AFFECT WARRANTY COVERAGE. FAILURE TO COMPLY WITH ALL HEALTH AND SAFETY REGULATIONS WHEN CUTTING AND INSTALLING THIS PRODUCT MAY RESULT IN PERSONAL INJURY. BEFORE INSTALLATION, CONFIRM YOU ARE USING THE CORRECT HARDIEZONE® PRODUCT INSTRUCTIONS BY VISITING HARDIEZONE.COM OR CALL 1-866-942-7343 (866-9-HARDIE)

STORAGE & HANDLING:

Store flat and keep dry and covered prior to installation. Installing siding wet or saturated may result in shrinkage at butt joints. Carry planks on edge. Protect edges and corners from breakage. James Hardie is not responsible for damage caused by improper storage and handling of the product.



CUTTING INSTRUCTIONS

OUTDOORS

- Position cutting station so that airflow blows dust away from the user and others near the cutting area.
- Cut using one of the following methods:
 - Best: Circular saw equipped with a HardieBlade® saw blade and attached vacuum dust collection system. Shears (manual, pneumatic or electric) may also be used, not recommended for products thicker than 7/16 in.
 - Better: Circular saw equipped with a dust collection feature (e.g. Roan® saw) and a HardieBlade saw blade.
 - Good: Circular saw equipped with a HardieBlade saw blade.

INDOORS

DO NOT grind or cut with a power saw indoors. Cut using shears (manual, pneumatic or electric) or the score and snap method, not recommended for products thicker than 7/16 in.

- DO NOT dry sweep dust; use wet dust suppression or vacuum to collect dust.
- For maximum dust reduction, James Hardie recommends using the "Best" cutting practices. Always follow the equipment manufacturer's instructions for proper operation.
- For best performance when cutting with a circular saw, James Hardie recommends using HardieBlade® saw blades.
- Go to jameshardiepros.com for additional cutting and dust control recommendations.

IMPORTANT: The Occupational Safety and Health Administration (OSHA) regulates workplace exposure to silica dust. For construction sites, OSHA has deemed that cutting fiber cement with a circular saw having a blade diameter less than 8 inches and connected to a commercially available dust collection system per manufacturer's instructions results in exposures below the OSHA Permissible Exposure Limit (PEL) for respirable crystalline silica, without the need for additional respiratory protection.

If you are unsure about how to comply with OSHA silica dust regulations, consult a qualified industrial hygienist or safety professional, or contact your James Hardie technical sales representative for assistance. James Hardie makes no representation or warranty that adopting a particular cutting practice will assure your compliance with OSHA rules or other applicable laws and safety requirements.

IMPORTANT: To prevent damage to the drip edge, extra care should be taken when removing planks from the pallet, while handling, and when installing with a lap gauge. Please see additional handling requirements on page 4.

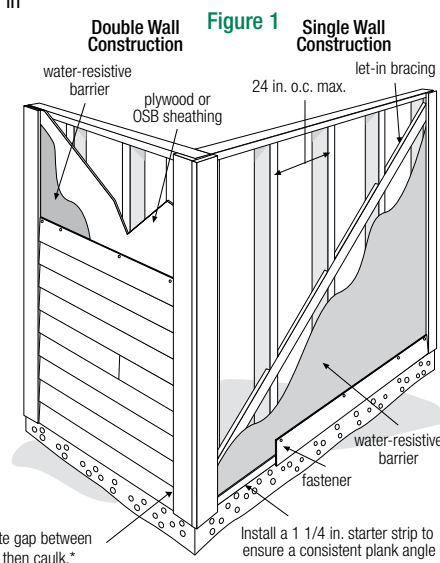
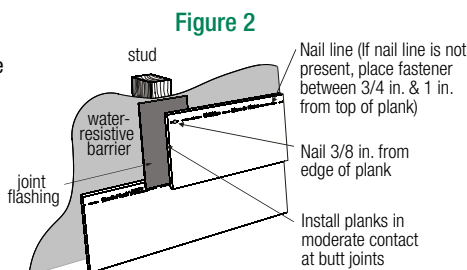
GENERAL REQUIREMENTS:

- HardiePlank® lap siding can be installed over braced wood or steel studs, 20 gauge (33 mils) minimum to 16 gauge (54 mils) maximum, spaced a maximum of 24 in. o.c. or directly to minimum 7/16 in thick OSB sheathing. See General Fastening Requirements. Irregularities in framing and sheathing can mirror through the finished application. Correct irregularities before installing siding.
- Information on installing James Hardie products over non-nailable substrates (ex: gypsum, foam, etc.) can be located in JH Tech Bulletin 19 at www.jamehardie.com
- A water-resistive barrier is required in accordance with local building code requirements. The water-resistive barrier must be appropriately installed with penetration and junction flashing in accordance with local building code requirements. James Hardie will assume no responsibility for water infiltration. James Hardie does manufacture HardieWrap® Weather Barrier, a non-woven non-perforated housewrap¹, which complies with building code requirements.
- Adjacent finished grade must slope away from the building in accordance with local building codes - typically a minimum of 6 in. in the first 10 ft..
- Do not use HardiePlank lap siding in Fascia or Trim applications.
- Do not install James Hardie products, such that they may remain in contact with standing water.
- HardiePlank lap siding may be installed on flat vertical wall applications only.
- For larger projects, including commercial and multi-family projects, where the span of the wall is significant in length, the designer and/or architect should take into consideration the coefficient of thermal expansion and moisture movement of the product in their design. These values can be found in the Technical Bulletin "Expansion Characteristics of James Hardie® Siding Products" at www.jameshardie.com.
- James Hardie Building Products provides installation /wind load information for buildings with a maximum mean roof height of 85 feet. For information on installations above 60 feet, please contact JH technical support.

INSTALLATION: JOINT TREATMENT

One or more of the following joint treatment options are required by code (as referenced 2009 IRC R703.10.2)

- Joint Flashing (James Hardie recommended)
- Caulking* (Caulking is not recommended for ColorPlus for aesthetic reasons as the Caulking and ColorPlus will weather differently. For the same reason, do not caulk nail heads on ColorPlus products.)
- "H" jointer cover



Note: Field painting over caulking may produce a sheen difference when compared to the field painted PrimePlus. *Refer to Caulking section in these instructions.

¹For additional information on HardieWrap® Weather Barrier, consult James Hardie at 1-866-4Hardie or www.hardiewrap.com

SELECT CEDARMILL® | SMOOTH | BEADED CEDARMILL® | BEADED SMOOTH

Visit jameshardiepros.com for the most recent version.



HS11117 P1/4 09/19

CLEARANCE AND FLASHING REQUIREMENTS

Figure 3
Roof to Wall

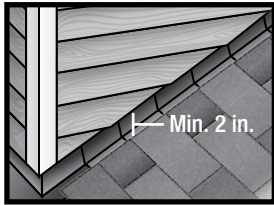


Figure 4
Horizontal Flashing

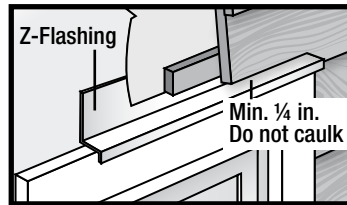


Figure 5
Kickout Flashing

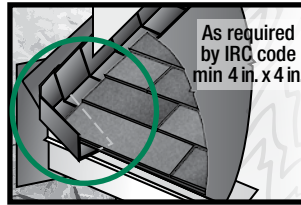


Figure 6
Slabs, Path, Steps to Siding

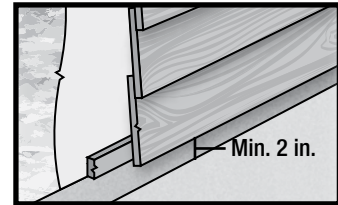


Figure 7
Deck to Wall

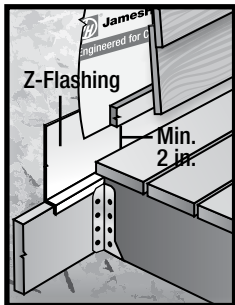


Figure 8
Ground to Siding

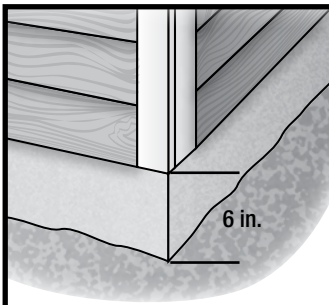


Figure 9
Gutter to Siding

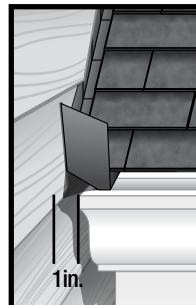


Figure 10
Sheltered Areas

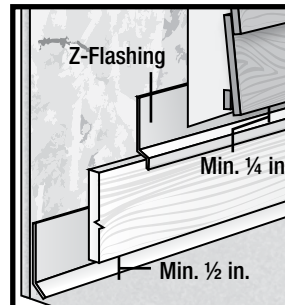


Figure 11
Mortar/Masonry

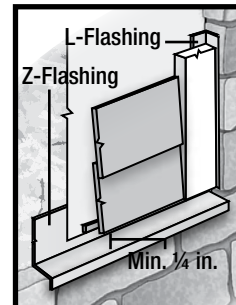


Figure 12
Drip Edge

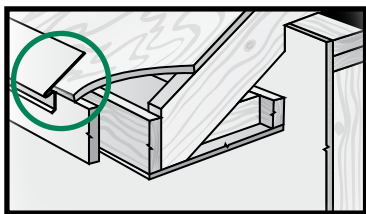


Figure 13
Block Penetration

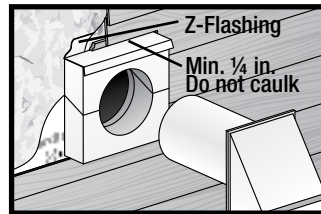
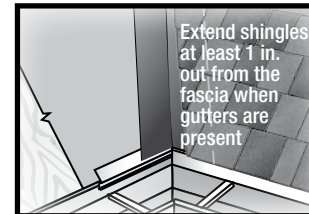


Figure 14
Valley/Shingle Extension



FASTENER REQUIREMENTS*

Refer to the applicable ESR report online to determine which fastener meets your wind load design criteria.

Blind Nailing is the preferred method of installation for HardiePlank® lap siding products. Face nailing should only be used where required by code for high wind areas and must not be used in conjunction with Blind nailing (Please see JH Tech bulletin 17 for exemption when doing a repair).

BLIND NAILING

Nails - Wood Framing

- Siding nail (0.09 in. shank x 0.221 in. HD x 2 in. long)
- 11ga. roofing nail (0.121 in. shank x 0.371 in. HD x 1.25 in. long)

Screws - Steel Framing

- Ribbed Wafer-head or equivalent (No. 8 x 1 1/4 in. long x 0.375 in. HD) Screws must penetrate 3 threads into metal framing.

Nails - Steel Framing

- ET & F Panelfast® nails or equivalent (0.10 in. shank x 0.313 in. HD x 1-1/2 in. long) Nails must penetrate minimum 1/4 in. into metal framing.

OSB minimum 7/16 in.

- Siding nail (0.09 in. shank x 0.215 in. HD x 1-1/2 in. long)
- Ribbed Wafer-head or equivalent (No. 8 x 1 5/8 in. long x 0.375 in. HD).

FACE NAILING

Nails - Wood Framing

- 6d (0.113 in. shank x 0.267 in. HD x 2 in. long)
- Siding nail (0.09" shank x 0.221" HD x 2" long)

Screws - Steel Framing

- Ribbed Bugle-head or equivalent (No. 8-18 x 1-5/8 in. long x 0.323 in. HD) Screws must penetrate 3 threads into metal framing.

Nails - Steel Framing

- ET & F pin or equivalent (0.10 in. shank x 0.25 in. HD x 1-1/2 in. long) Nails must penetrate minimum 1/4 in. into metal framing.

OSB minimum 7/16 in.

- Siding nail (0.09 in. shank x 0.221 in. HD x 1-1/2 in. long)

*Also see General Fastening Requirements; and when considering alternative fastening options refer to James Hardie's Technical Bulletin USTB 5 - Fastening Tips for HardiePlank Lap Siding.

FASTENER REQUIREMENTS *continued*

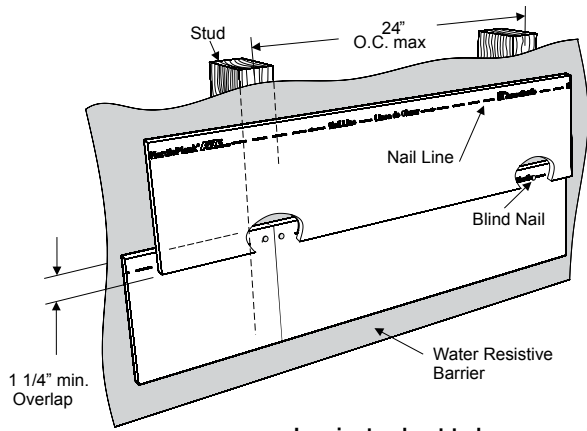
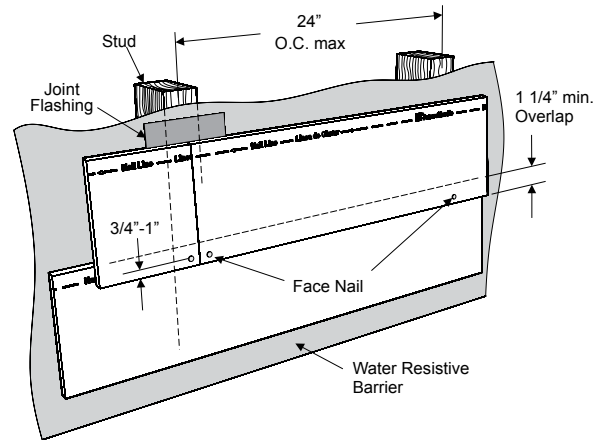
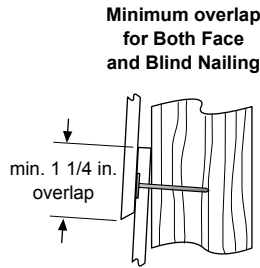


Figure 14 **Figure 15**



Laminate sheet to be removed immediately after installation of each course for ColorPlus® products.

Pin-backed corners may be done for aesthetic purposes only. Finish nails are recommended for pin-backs. Headed siding nails are allowed. Place pin-backs no closer than 1 in. from plank ends and 3/4 in. from plank edge into min. 3/8 in. wood structural panel. Pin-backs are not a substitute for blind or face nailing.

GENERAL FASTENING REQUIREMENTS

Fasteners must be corrosion resistant, galvanized, or stainless steel. Electro-galvanized are acceptable but may exhibit premature corrosion. James Hardie recommends the use of quality, hot-dipped galvanized nails. James Hardie is not responsible for the corrosion resistance of fasteners. Stainless steel fasteners are recommended when installing James Hardie® products near the ocean, large bodies of water, or in very humid climates.

Manufacturers of ACQ and CA preservative-treated wood recommend spacer materials or other physical barriers to prevent direct contact of ACQ or CA preservative-treated wood and aluminum products. Fasteners used to attach HardieTrim Tabs to preservative-treated wood shall be of hot dipped zinc-coated galvanized steel or stainless steel and in accordance to 2009 IRC R317.3 or 2009 IBC 2304.9.5

- Consult applicable product evaluation or listing for correct fasteners type and placement to achieve specified design wind loads.
- NOTE: Published wind loads may not be applicable to all areas where Local Building Codes have specific jurisdiction. Consult James Hardie Technical Services if you are unsure of applicable compliance documentation.
- Drive fasteners perpendicular to siding and framing.
- Fastener heads should fit snug against siding (no air space).
- NOTE: Whenever a structural member is present, HardiePlank should be fastened with even spacing to the structural member. The tables allowing direct to OSB or plywood should only be used when traditional framing is not available.

CUT EDGE TREATMENT

Caulk, paint or prime all field cut edges. James Hardie touch-up kits are required to touch-up ColorPlus products.

CAULKING

For best results use an Elastomeric Joint Sealant complying with ASTM C920 Grade NS, Class 25 or higher or a Latex Joint Sealant complying with ASTM C834. Caulking/Sealant must be applied in accordance with the caulking/sealant manufacturer's written instructions.

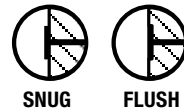
Note: some caulking manufacturers do not allow "tooling".

PAINTING

DO NOT use stain, oil/alkyd base paint, or powder coating on James Hardie® products. Factory-primed James Hardie products must be painted within 180 days of installation. 100% acrylic topcoats are recommended. Do not paint when wet. For application rates refer to paint manufacturers specifications. Back-rolling is recommended if the siding is sprayed.

PNEUMATIC FASTENING

James Hardie products can be hand nailed or fastened with a pneumatic tool. Pneumatic fastening is highly recommended. Set air pressure so that the fastener is driven snug with the surface of the siding. A flush mount attachment on the pneumatic tool is recommended. This will help control the depth the nail is driven. If setting the nail depth proves difficult, choose a setting that under drives the nail. (Drive under driven nails snug with a smooth faced hammer - Does not apply for installation to steel framing).



DO NOT



IF, THEN

WOOD FRAME



HAMMER
FLUSH

STEEL FRAME



REMOVE &
REPLACE

DO NOT



IF, THEN ADDITIONAL NAIL

FACE NAIL



COUNTERSINK
& FILL

DO NOT USE



STAPLES



COLORPLUS® TECHNOLOGY CAULKING, TOUCH-UP & LAMINATE

- Care should be taken when handling and cutting James Hardie ColorPlus® products. During installation use a wet soft cloth or soft brush to gently wipe off any residue or construction dust left on the product, then rinse with a garden hose.
- Touch up nicks, scrapes and nail heads using the ColorPlus® Technology touch-up applicator. Touch-up should be used sparingly. If large areas require touch-up, replace the damaged area with new HardiePlank® lap siding with ColorPlus® Technology.
- Laminate sheet must be removed immediately after installation of each course.
- Terminate non-factory cut edges into trim where possible, and caulk. Color matched caulks are available from your ColorPlus® product dealer.
- Treat all other non-factory cut edges using the ColorPlus Technology edge coaters, available from your ColorPlus product dealer.

Note: James Hardie does not warrant the usage of third party touch-up or paints used as touch-up on James Hardie ColorPlus products.

Problems with appearance or performance arising from use of third party touch-up paints or paints used as touch-up that are not James Hardie touch-up will not be covered under the James Hardie ColorPlus Limited Finish Warranty.

COVERAGE CHART/ESTIMATING GUIDE

Number of 12 ft. planks, does not include waste

COVERAGE AREA
LESS
OPENINGS

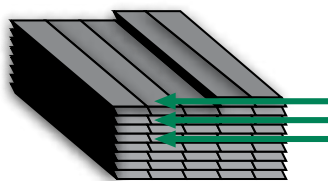
SQ (1 SQ = 100 sq.ft.)	HARDIEPLANK® LAP SIDING WIDTH									
	(exposure)	5 1/4 4	6 1/4 5	7 1/4 6	7 1/2 6 1/4	8 6 3/4	8 1/4 7	9 1/4 8	9 1/2 8 1/4	12 10 3/4
1		25	20	17	16	15	14	13	13	9
2		50	40	33	32	30	29	25	25	19
3		75	60	50	48	44	43	38	38	28
4		100	80	67	64	59	57	50	50	37
5		125	100	83	80	74	71	63	63	47
6		150	120	100	96	89	86	75	75	56
7		175	140	117	112	104	100	88	88	65
8		200	160	133	128	119	114	100	100	74
9		225	180	150	144	133	129	113	113	84
10		250	200	167	160	148	143	125	125	93
11		275	220	183	176	163	157	138	138	102
12		300	240	200	192	178	171	150	150	112
13		325	260	217	208	193	186	163	163	121
14		350	280	233	224	207	200	175	175	130
15		375	300	250	240	222	214	188	188	140
16		400	320	267	256	237	229	200	200	149
17		425	340	283	272	252	243	213	213	158
18		450	360	300	288	267	257	225	225	167
19		475	380	317	304	281	271	238	238	177
20		500	400	333	320	296	286	250	250	186

This coverage chart is meant as a guide. Actual usage is subject to variables such as building design. James Hardie does not assume responsibility for over or under ordering of product.

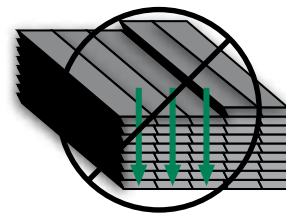
ADDITIONAL HANDLING REQUIREMENTS

IMPORTANT: To prevent damage to the drip edge, extra care should be taken when removing planks from the pallet, while handling, and when installing with a lap gauge. Planks are interlocked together on the pallet, therefore they should be removed from the pallet horizontally (side to side) to allow planks to unlock themselves from one another.

Pull from across the stack



Do not go down the stack



HS11117 P4/4 09/19

SILICA WARNING

DANGER: May cause cancer if dust from product is inhaled. Causes damage to lungs and respiratory system through prolonged or repeated inhalation of dust from product. Refer to the current product Safety Data Sheet before use. The hazard associated with fiber cement arises from crystalline silica present in the dust generated by activities such as cutting, machining, drilling, routing, sawing, crushing, or otherwise abrading fiber cement, and when cleaning up, disposing of or moving the dust. When doing any of these activities in a manner that generates dust you must (1) comply with the OSHA standard for silica dust and/or other applicable law, (2) follow James Hardie cutting instructions to reduce or limit the release of dust; (3) warn others in the area to avoid breathing the dust; (4) when using mechanical saw or high speed cutting tools, work outdoors and use dust collection equipment; and (5) if no other dust controls are available, wear a dust mask or respirator that meets NIOSH requirements (e.g. N-95 dust mask). During clean-up, use a well maintained vacuum and filter appropriate for capturing fine (respirable) dust or use wet clean-up methods - never dry sweep.

WARNING: This product can expose you to chemicals including respirable crystalline silica, which is known to the State of California to cause cancer. For more information go to P65Warnings.ca.gov.

RECOGNITION: In accordance with ICC-ES Evaluation Report ESR-2290, HardiePlank® lap siding is recognized as a suitable alternate to that specified in the 2006, 2009, 2012 & 2015 International Residential Code for One and Two-Family Dwellings, and the 2006, 2009, 2012 & 2015 International Building Code. HardiePlank lap siding is also recognized for application in the following: City of Los Angeles Research Report No. 24862, State of Florida Product Approval FL#13192, Miami-Dade County Florida NOA No. 17-0406.06, U.S. Dept. of HUD Materials Release 1263f, Texas Department of Insurance Product Evaluation EC-23, City of New York MEA 223-93-M, and California DSA PA-019. These documents should also be consulted for additional information concerning the suitability of this product for specific applications.

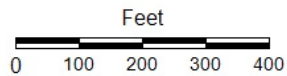
Northampton County, Virginia

Legend

- County Boundaries
- Town Names
- Route Numbers
- Road Labels
- Parcels
- Driveways



Map Printed from Northampton
<https://parcelviewer.geodecisions.com/Northampton/>



Title: 6 Randolph Avenue

Date: 12/3/2020

DISCLAIMER: This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records, information, and data obtained from various sources, and Northampton County is not responsible for its accuracy or how current it may be.



PRE-APPLICATION INFORMATION FORM

Town of Cape Charles
2 Plum Street
Cape Charles, VA 23310
757-331-2036 Fax: 757-331-4820
plannertech@capecharles.org

APPLICANT INFORMATION

Name: Mitchell Homes Inc

Mailing Address: 1650 Holly Hills Rd Powhatan, VA 23139

Phone Number: 804-290-0773 Email: dlumpkin@mitchellhomesinc.com

PROJECT SUMMARY

Address of Project: Lot #369 Tazwell

Application Type (rezoning, variance, etc.): historic review approval

Total Acreage of Project: 0.129

Detailed Description (Include proposed use(s) and square footage of floor area for each use):
construct new stick built 1876 square foot 2 story SFD with 3 bedrooms and 2 1/2 bath

Signature of Applicant: 

Date: 12/11/2020

For Internal Use Only:

Pre-Application Meeting Date: _____

Staff Printed Name: _____ Signed: _____

HDRB Rep Printed Name: _____ Signed: _____



December 11, 2020

Town of Cape Charles
2 Plum Street
Cape Charles, VA 23310

Dear Town of Cape Charles:

Mitchell Homes has been hired by Roland "Price" and Kristen Beazley to build a new residential single family – two story, 1876 square foot stick- built home on their property at Tazwell Ave Cape Charles VA 23310. The following materials will be proposed for the new build. Foundation – 8 x 8 x 16 CMU with parging and 4 x 8 brick

Siding – Handi Plank siding

Roofing – CertainTeed Landmark 30 year Dimensional shingles and standing seam metal

Windows – United Windows 3900 Series black vinyl double – hung windows, grids between glass

Doors – Plastro smooth fiberglass door with glass insert for front-entry, side-entry to be Plastro steel door,

Decorative trim – white on gables

Please feel free to call me at 804-290-0773 or email me at

dlumpkin@mitchellhomesinc.com if I can be of assistance or if anything else is needed.

We look forward to working with you during the new construction.

Sincerely,

Deborah Lumpkin
Pre-Construction Manager
Mitchell Homes, Inc

GENERAL NOTES:**1. OWNERS:**

ROLAND PRICE BEAZLEY, III
& KRISTEN HARRELL BEAZLEY

2. TAX PARCEL: 83A3-1-369**3. SOURCE OF TITLE:**

INST. 200002051

4. A SURVEY WAS PERFORMED ON THIS PROPERTY IN DECEMBER 2020 WITH A BOUNDARY CLOSURE WHOSE PRECISION EXCEEDS 1:10,000.

SURVEYORS CERTIFICATION

I, CRAIG P. CROCKETT, A LICENSED LAND SURVEYOR, HEREBY CERTIFY THAT THIS PLAT WAS MADE BY ME AT THE REQUEST OF THE OWNERS AND THAT THIS SURVEY IS ENTIRELY WITHIN THE BOUNDARIES OF LAND COVERED BY THE DEED DESCRIBED HEREON AND THAT MONUMENTATION IS ACTUALLY IN PLACE OR WILL BE SET AT POINTS MARKED AS SHOWN HEREON AND THAT THEIR LOCATIONS ARE CORRECTLY SHOWN. THIS SURVEY IS CORRECT AND COMPLIES WITH THE MINIMUM PROCEDURES AND STANDARDS ESTABLISHED BY THE VIRGINIA BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS, CERTIFIED INTERIOR DESIGNERS, AND LANDSCAPE ARCHITECTS. THIS PLAT IS BASED ON A CURRENT FIELD SURVEY.

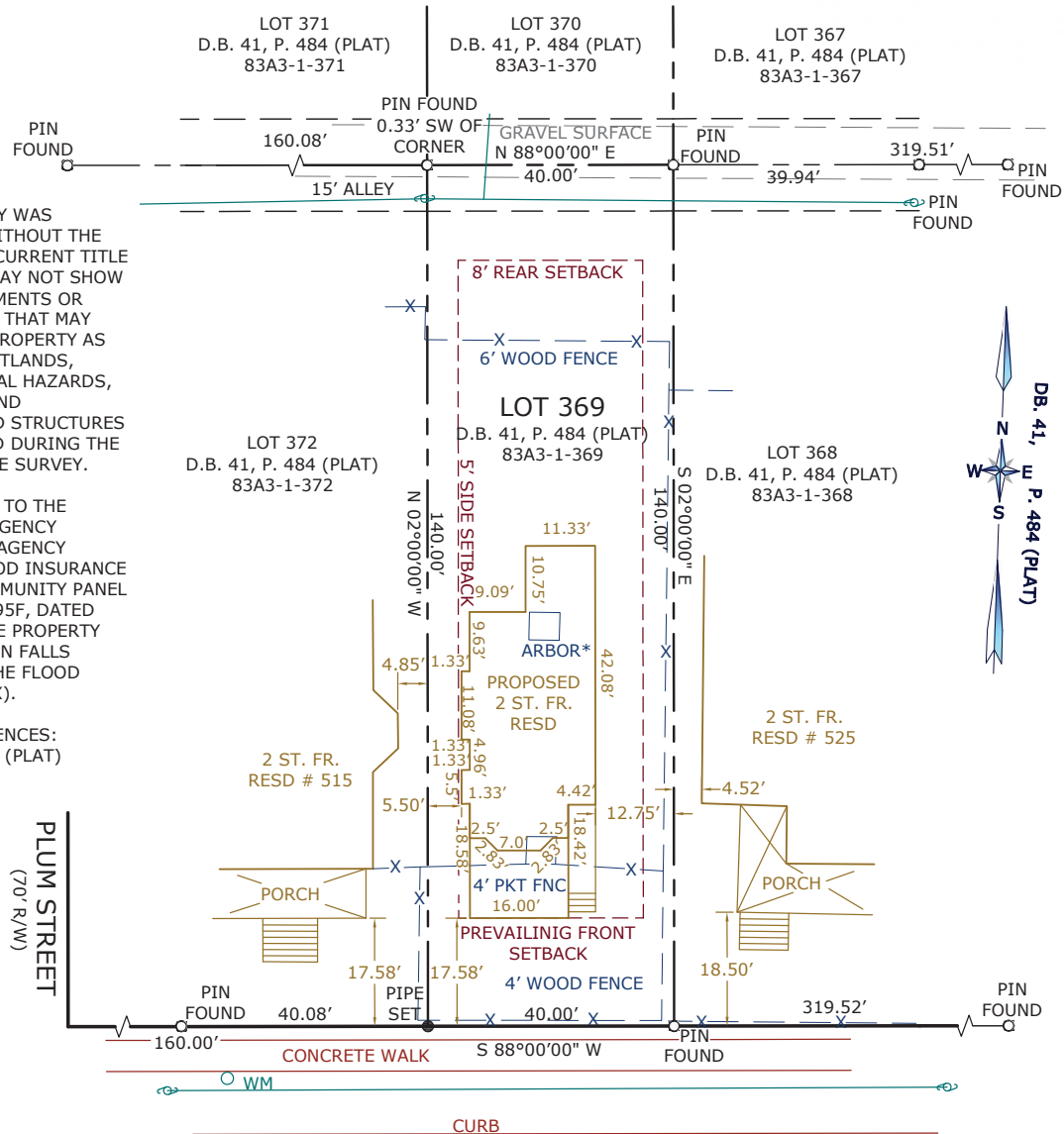


5. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND MAY NOT SHOW ANY/ALL EASEMENTS OR RESTRICTIONS THAT MAY AFFECT SAID PROPERTY AS SHOWN OR WETLANDS, ENVIRONMENTAL HAZARDS, CEMETERIES AND UNDERGROUND STRUCTURES NOT OBSERVED DURING THE COURSE OF THE SURVEY.

6. ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (F.E.M.A.) FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 51131C0295F, DATED 03-02-15, THE PROPERTY SHOWN HEREON FALLS OUTSIDE OF THE FLOOD ZONE. (ZONE X).

7. PLAT REFERENCES:
D.B. 41, P. 484 (PLAT)

8. AREA:
5,600 SQ. FT.
(0.129 AC.)



* FENCES AND ARBORS ARE TO BE REMOVED AS NECESSARY.

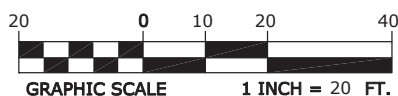
TAZEWELL AVENUE (70' R/W)

APPROVED

BUILDING AGENT
TOWN OF CAPE CHARLES

DATE

SITE PLAN
LOT 369
MAP OF THE TOWN OF
CAPE CHARLES
CAPEVILLE DISTRICT
NORTHAMPTON COUNTY, VIRGINIA
MADE FOR
ROLAND PRICE BEAZLEY, III
& KRISTEN HARRELL BEAZLEY
SCALE: 1" = 20' DECEMBER 9, 2020



POINT NORTH

POINT NORTH SURVEYING LLC

P.O. Box 701, (757) 709-3008
Onley, VA. 23418 pointnorthsurveying@gmail.com

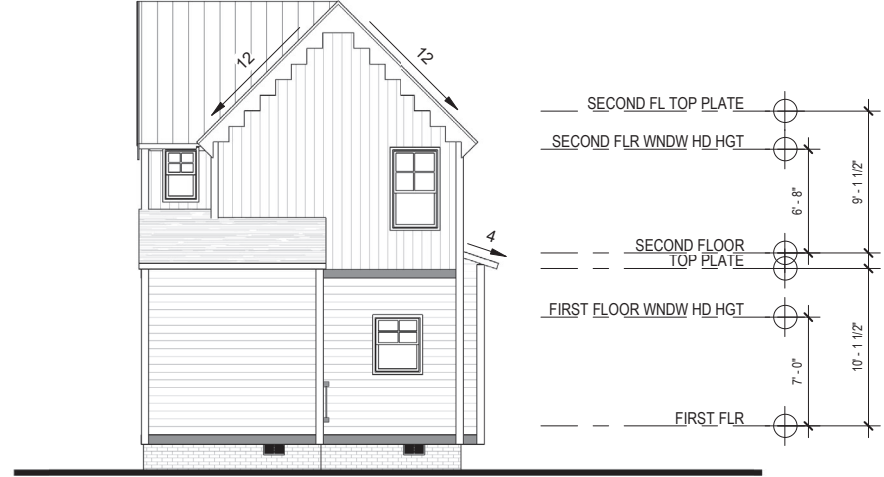
DRAWN BY: JCF FIELD BOOK: FILE COPY
BACK TRAV: JCF PROJ. NO: 20149

0 4' 8' 16'

CUSTOM PLAN

SCALE:	1/8" = 1'-0"	JOB NUMBER:	00000000
DATE:	12.10.2020	DRAWN BY:	arhodes@mitchellhomesinc.com

② REAR ELEVATION
1/8" = 1'-0"



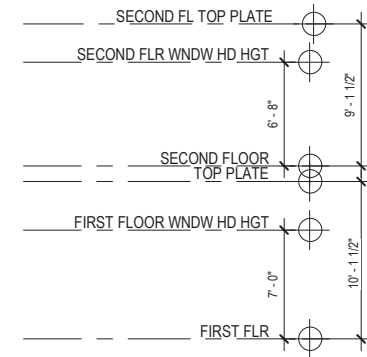
① FRONT ELEVATION
1/8" = 1'-0"



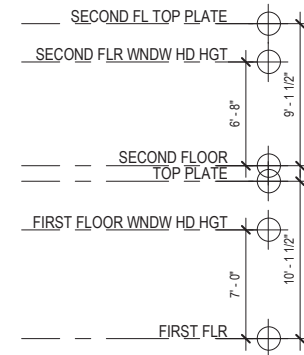
MITCHELL HOMES, INC.
1650 HOLLY HILLS ROAD POWHATAN, VA 23139
PHONE: 804-378-5211 FAX: 804-378-0811
www.MITCHELLHOMESINC.com



THE BEAZELEY RESIDENCE
FRONT & REAR ELEVATIONS
COUNTY, VA



② LEFT ELEVATION
1/8" = 1'-0"



① RIGHT ELEVATION
1/8" = 1'-0"



CUSTOM PLAN

SCALE:	1/8" = 1'-0"	JOB NUMBER:	00000000
DATE:	12.10.2020	DRAWN BY:	arhodes@mitchellhomesinc.com



December 15, 2020

Shade & Wise
Attn: Allen Thomas

Email : Allen.Thomas@shadeandwise.com

Job: Beasley Residence
Morris Cape Charles, VA

General Contractor: Mitchell Homes

GENERAL SHALE BRICK

The brick shown below manufactured by General Shale Brick, Inc., main office located in Johnson City, Tennessee, comply with the physical requirements for Type HBA, Class H40V, Grade SW, under ASTM C652 (Latest Revision) Standard Specifications for Hollow Brick.

Type Brick: Lightweight Engineer Size Nottingham Tudor
Cleaning Code "C"

Manufacturing Plant: Roanoke	General Shale Brick, Inc. 2353 Webster Road Roanoke, VA 24012
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Jim Bryja P.E., S.E.- Manager of Engineering Services

Cc: Stacey.Whitt@Generalshale.com

Light Weight Modular C652

Sign Off Samples for Run Variation

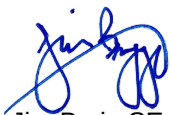
Brick samples that are presented to the design team for selection purposes or for job site field panels are typically not from the same run of brick that will ship to the project for construction.

Brick making is an art as much as it is a science. Run variations are common part of the brick business, and most masons, home builders, etc. are aware of these issues. Often someone in the process is not aware of run variations and we would like to make as many participants aware of any color variations prior to shipment and installation when the manufacturer is no longer responsible.

In an effort to avoid issues with run variation General Shale recommends that two field panels be used for brick selection and approval of production run as follows:

- 1 **Sample/Selection Panels:** Build sample panels with a minimum of 100 brick or a minimum of **48 inches** long by **48 inches** high by full thickness to verify selections made under sample submittals and to demonstrate aesthetic effects. Where masonry is to match existing, erect panels adjacent and parallel to existing surface.
- 2 **Jobsite Panel:** Build job site panel with a minimum of 100 brick or a minimum **48 inches** long by **48 inches** high by full thickness to verify final production run to demonstrate aesthetic effects. Build panels using masonry units from same production run of brick to be shipped to project. It is recommended for the sample/selection panel to be torn down before jobsite panel is constructed.

If the project team elects not to build a second panel, General Shale will send two 5-brick strap samples from the actual production run for sign off and approval. We require the distributor sign off on one strap and keep it in their possession until the job is complete. Leave the second strap with the purchasing contractor, preferably with a picture taken for record of the run sample and the job site panel in the same picture. **General Shale will accept no responsibility for color or texture variance unless the above recommendations are followed.**



Jim Bryja SE, PE
Manager Engineering Services



GENERAL SHALE RESEARCH DEPARTMENT BRICK TEST REPORT

Plant Name: Roanoke #36

Brick Size: Engineer (7 5/8" x 2 3/4" x 3 1/2")

Brick Type: Standard Body

BrickName:

Date Sampled: 5/19/2017

Date Tested: 6/6/2017

Date Completed: 6/8/2017

Sample	Weight (lbs)	IRA (g/min)	24-Hr CWA (%)	5-Hr BWA (%)	C/B	Comp Strength (psi)	Length (inches)
1	4.10	26.10	2.82	4.78	0.59	4,625	7.61
2	4.12	37.18	3.50	5.42	0.65	6,640	7.60
3	4.09	35.66	2.72	4.87	0.56	3,972	7.60
4	4.11	33.58	3.20	5.32	0.60	6,209	7.61
5	4.11	29.30	3.59	5.61	0.64	4,302	7.60
Average:	4.11	32.36	3.16	5.20	0.61	5,149	7.60

Physical Properties comply with Table 2 requirements of ASTM C652 for Grade SW.

Void Area: 25.41%

Overall Size: L 7.60

Minimum Shell Thickness: 1.03

W 3.52

H 2.69

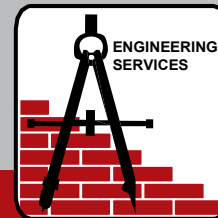
Void Area meets ASTM requirements.

Minimum Shell Thickness meets ASTM requirements.

All tests conducted in compliance with ASTM C67

IMPORTANT: PHYSICAL PROPERTY VALUES SHOWN
ON THIS REPORT ARE TYPICAL FOR THIS UNIT.
INDIVIDUAL BRICK PROPERTIES MAY VARY WITHIN
A PRODUCTION RUN AND BETWEEN DIFFERENT
PRODUCTION RUNS.

Report ID Number = 874



Brick Cleaning Information

To achieve proper appearance, brick work needs to be cleaned after installation. The EaCo Chem Low Pressure EC Jet process, using agents recommended by General Shale, is preferred. This process includes the use of the EC Jet for chemical application and rinsing. If other methods or materials are used, it is strongly suggested they be tested for suitability on disposable panels of noncritical wall areas. This is especially important when pressure washing is used.

1. Keep the wall as clean as possible during construction in order to reduce the amount of cleaning necessary later.
2. For best results cleaning should be performed as soon as possible, **but not until**, initial mortar set has occurred, (typically 2-5 days). The heavier mortar stains should be removed as completely as possible by mechanical means (paddles, scrapers, brushes, etc.)
3. Select cleaning agent according to the following brick categories:

Category A brick may be cleaned with an all-purpose commercial cleaning agent (at manufacturers recommended concentration). NMD-80 manufactured by EaCo Chem Inc. or equal is recommended.

Category B brick may be subject to metallic staining and discoloration if abusively cleaned with ordinary proprietary cleaners. EaCo Chem Inc. NMD-80 or equal is recommended (at manufacturers recommended concentration).

Category C brick have acid reactive coatings and may be subject to color range change if cleaned with acid-based cleaners. Non-acidic cleaners such as 1/2 cup tri-sodium phosphate (TSP) and 1/2 cup of laundry detergent per gallon of water is recommended for removal of general construction dirt.

Recommended Cleaning Chemicals

Manufacturer	Category A	Category B	Category C
EaCo Chem or equal	NMD-80 or equal	NMD-80 or equal	½ Cup TSP ½ Cup Laundry Detergent (Per 1 Gallon of Water)

4. If category classification is unknown, contact the local brick distributor, dealer, or General Shale representative.
5. Test clean – Select an inconspicuous wall area to confirm method and cleaning agents are satisfactory. Make adjustments as indicated.
6. Pre-wet masonry – Thoroughly pre-wet wall area to be cleaned. The moisture absorbing capacity of the masonry must be satisfied before cleaners are applied. (Low Pressure – 50 psi max -EC Jet with ball valve in the OFF position)
7. Clean – Apply cleaning agent to masonry in accordance with manufacturer instructions. For Category C, utilize bucket and brush method and scrub with stiff fiber brush. (Low Pressure – 50 psi max -EC Jet with ball valve in the ON position)
8. Rinse – (Low Pressure – 50 psi max- EC Jet with ball valve in the OFF position) Do not allow cleaning solution to dry on the wall. Rinse cleaner, dissolved mortar, and loosened dirt completely off the masonry wall with low pressure rinse.

General Shale disclaims any and all responsibility for damages resulting from cleaning methods and materials. Failure to follow above cleaning recommendations will void product warranty.

Note: Additional brick cleaning information and guidelines for pressure washing methods can be found in the BIA (Brick Institute of America) Technical Note Number 20.

Safety Data			Date Completed: 01/05/11 Latest Revision: 01/07/2016																																									
		BRICK																																										
SECTION 1 – IDENTIFICATION																																												
Manufacturer: General Shale Brick, Inc. P.O. Box 3547 Johnson City, TN 37602 (423) 282-4661			Product Name: Brick, Thin Brick and Brick Pavers Chemical Family/Name: Predominately Aluminum Silicates Formula: Mixture Product Use: Masonry building material/component																																									
Emergency Info: (423) 952-4205																																												
SECTION 2 – Hazard(s) Identification																																												
 SIGNAL WORD: Danger Bricks as shipped do not present an inhalation, ingestion or contact hazard. However, operations such as sawing and grinding may result in the following effects. ACUTE EFFECTS OF OVEREXPOSURE: Eye: May cause irritation by abrasion with dust or chips. Skin: Brick dust or chips may cause allergic reactions in hypersensitive individuals; May cause cuts and skin abrasions. Inhalation: Brick dust or chips may cause congestion and irritation in nasal and respiratory passages. Ingestion: No known acute effects. CHRONIC EFFECTS OF OVEREXPOSURE: Excessive exposures to respirable particulates (dust) over an extended period of time may result in the development of pulmonary diseases such as silicosis																																												
SECTION 3 – Composition / Information on Ingredients																																												
<table><tr><th>Ingredients</th><th>CAS #</th><th>% Weight</th><th colspan="2">Exposure Limits</th></tr><tr><td></td><td></td><td></td><td>OSHA PEL mg/m³</td><td>ACGIH TLV mg/m³</td></tr><tr><td>Aluminum Silicates</td><td>Various</td><td>50 – 85</td><td>15</td><td>10</td></tr><tr><td>Quartz</td><td>14808-60-7</td><td>Varies</td><td>10 / %SiO2 + 2 (respirable)</td><td>0.05 (respirable)</td></tr><tr><td>Chromium compounds</td><td>Various</td><td>0 – 3</td><td>Not available</td><td>Not available</td></tr><tr><td>Manganese compounds</td><td>Various</td><td>0 – 3</td><td>Not available</td><td>Not available</td></tr><tr><td>Iron Compounds as granular body additives</td><td>Various</td><td>0 – 3</td><td>Not available</td><td>Not available</td></tr><tr><td>Calcium compounds</td><td>Various</td><td>0 – 3</td><td>Not available</td><td>Not available</td></tr></table>					Ingredients	CAS #	% Weight	Exposure Limits					OSHA PEL mg/m ³	ACGIH TLV mg/m ³	Aluminum Silicates	Various	50 – 85	15	10	Quartz	14808-60-7	Varies	10 / %SiO2 + 2 (respirable)	0.05 (respirable)	Chromium compounds	Various	0 – 3	Not available	Not available	Manganese compounds	Various	0 – 3	Not available	Not available	Iron Compounds as granular body additives	Various	0 – 3	Not available	Not available	Calcium compounds	Various	0 – 3	Not available	Not available
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Calcium compounds	Various	0 – 3	Not available	Not available																																								
The above chemistries are provided for industrial hygiene and environmental purposes and are not intended to represent product specifications. This information has been compiled from data believed to be reliable. Elements such as aluminum, arsenic, boron, calcium, chromium, cobalt, copper, lead, molybdenum, nickel, tin, titanium, vanadium, and zirconium may be present in trace amounts. Brick products as shipped do not present an exposure hazard.																																												

SECTION 4 – First-Aid Measures

Inhalation:	Remove from exposure to airborne particulates. Consult a physician if breathing does not return to normal.
Skin: physician.	Wash with soap and water. If an allergic reaction causes a rash that does not heal within a few days consult a physician. Treat abrasions as any other scrape or cut with disinfectants and bandages.
Eye:	Flush with running water. Obtain medical assistance if irritation continues.
Medical Conditions Aggravated by Exposure:	Excessive dust exposure may aggravate any existing respiratory disorders or diseases. Possible complications or allergies resulting in irritation to skin, eyes, and respiratory tract may occur from excessive exposure to dusts.

SECTION 5 – Fire Fighting Measures

Bricks as shipped do not pose a fire or explosion hazard.

SECTION 6 – Accidental Release Measures

Bricks as shipped do not present a human or environmental hazard that requires special clean-up measures.

SECTION 7 – Handling and Storage

Provide adequate ventilation to maintain exposures below the OSHA PEL and ACGIH TLV for quartz and other substances.

SECTION 8 – Exposure Controls / Personal Protection

Respiratory Protection:	For airborne concentration exceeding the OSHA PEL or ACGIH TLV use a NIOSH and/or MSHA approved respirator.
Eye and Face:	Face shields should be used when sawing brick.
Skin:	Use gloves and or protective clothing if abrasions or allergic reactions are experienced.
Other:	Use of steel toe shoes is recommended when handling brick.
Other Controls:	Use of wet sawing methods is recommended anytime that bricks must be cut.

SECTION 9 – Physical and Chemical Properties

Boiling Point: NA	Melting Point: NA	Specific Gravity: 2.6
Vapor Pressure: NA	Vapor Density: NA	Soluble in Water: Negligible
Appearance and Odor: Granular solid, essentially odorless. Bricks come in a wide range of colors.		

SECTION 10 – Stability and Reactivity

Bricks as shipped are not reactive

SECTION 11 – Toxicological Information

CARCINOGENICITY:

The following carcinogenicity classifications for crystalline silica have been established by the following agencies:

OSHA: Not regulated as a carcinogen
IARC: Group 1 carcinogenic in humans
NIOSH: Carcinogen, with no further categorization
NTP: Known carcinogen

WARNING: Brick dust may contain crystalline silica, a chemical that has been determined by the agencies listed above to cause cancer.

SECTION 12 – Ecological Information

No data is currently available

SECTION 13 – Disposal Considerations

Brick in its solid form is typically considered a non-hazardous waste for disposal, but local regulation may vary, therefore all waste must be disposed/recycled/reclaimed in accordance with federal, state, and local environmental control regulations. Water containing brick solids, such as from wet sawing operations, should also be disposed of in accordance with federal, state and local environmental regulation. Brick waste should not be used as a blasting agent.

SECTION 14 – Transport Information

DOT Shipping Name: Not regulated by DOT

Canada TDG: Not regulated by TDG.

DOT Hazard Class:

Hazard Class:

Identification Number:

UN Number:

SECTION 15 – Regulatory Information

RCRA: Bricks as shipped are not hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

SARA/EPCRA: Bricks as shipped are not hazardous substances subject to the federal Emergency Planning and Community Right to Know Act (EPCRA) for inventory reporting (SARA 311/312), nor Toxic Release Inventory (SARA 313).

DOT: Bricks as shipped are not hazardous materials per Department of Transportation (DOT) regulations.

SECTION 16 – Other Information

We recommend only wet sawing of brick.

This SDS was prepared with information believed accurate at the time of preparation and was prepared and provided in good faith. However, **General Shale Brick, Inc.** assumes no responsibility as to the accuracy or suitability of such information and no warranty expressed or implied is made.

McCALLUM

TESTING LABORATORIES

Geotechnical Engineering, Materials Testing & Environmental Services

January 14, 2020

Tidewater Block, LLC
P.O. Box 1546
Suffolk, VA 23439

Attention: **Sam Finney**

Subject: **Annual CMU Testing - 8" x 8" x 16" Light Weight**
999 Kenyon Road
Suffolk, Virginia
MTL Project 206279

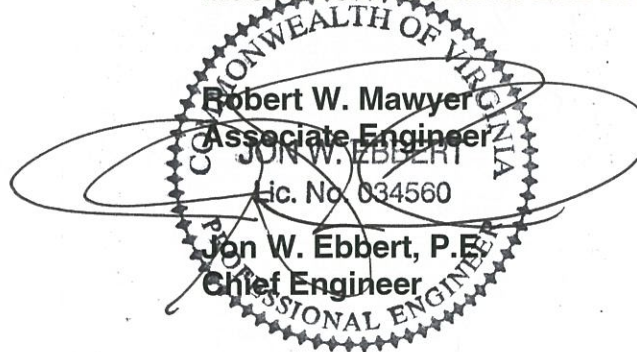
Dear **Mr. Finney**:

McCallum Testing Laboratories is pleased to present this report of testing concrete masonry units delivered to this office on December 11, 2019, by a representative of Tidewater Block, LLC. Testing was performed in accordance with the Standard Specification for Loadbearing Concrete Masonry Units (ASTM C 90-16a) and Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units (ASTM C 140-17). Attached are the results of our testing.

Should you have any questions concerning this report, please contact this office at your earliest convenience.

Very truly yours,

McCALLUM TESTING LABORATORIES



McCALLUM TESTING LABORATORIES
CONCRETE MASONRY UNIT TEST RESULTS
ASTM C 140-17

Client: Tidewater Block LLC

Date: 1-13-20

ASTM Unit Specification: ASTM C 90-16a

Name / Description of Unit: 8" x 8" x 16" Hollow Single Web – Light Weight

Nominal CMU Dimensions: Masonry Unit – 2 Hour Rating

Width: 8 in. **Height:** 8 in. **Length:** 16 in.

CMU TEST RESULTS (ASTM C 90-16a)	REQUIRED	ACTUAL
CMU Net Area Compressive Strength (psi)	2000 min.	2330
CMU Gross Area Compressive Strength (psi)	****	1210
Density (Oven Dry Condition) (pcf)	105 max	103.1
Absorption (pcf)	18 max.	11.7
Minimum Faceshell Thickness (inches)	1.25 min.	1.34
Minimum Web Thickness (inches)	0.75 min.	1.25
Equivalent Web Thickness (inches)	****	2.91
Normalized Web Area (in ² /ft ²)	6.5 min.	32.1
CMU Equivalent Thickness (inches)	****	3.96
CMU Net Cross Sectional Area (sq.in.)	****	61.40
CMU Gross Cross Sectional Area (sq.in.)	****	118.47
CMU Percent Solid (%)	****	51.82

CMU COMPRESSIVE STRENGTH TEST RESULTS (ASTM C 140-17)							
Unit No.	Avg. Width (in.)	Avg. Height (in.)	Avg. Length (in.)	Sample Weight (lbs.)	Total Load (lbs.)	Compressive Strength	
						Gross Area (psi)	Net Area (psi)
Unit #1	7.636	7.570	15.500	29.17	150,000	1270	2440
Unit #2	7.646	7.591	15.500	29.05	138,000	1160	2250
Unit #3	7.647	7.590	15.500	29.51	142,000	1200	2310
Average	7.643	7.584	15.500	29.24	143,333	1210	2330

The above test results meet or exceed the specifications of ASTM C 90-16a as tested in accordance with ASTM C 140-17. The unit density of 103.1 pcf meets the light weight classification per Table 2 of ASTM C 90-16a. The CMU equivalent thickness of the units tested meets or exceeds those requirements of ACI 216.1, Chapter 3, Table 3.1, Note B, for a certified 2 hour fire rating for units made with a combination of aggregates.

HardiePlank® Lap Siding

Submittal Form

01

Submitted to:

Project Name:

Submitted by:

Date:

☐ HZ5® Product Zone ☐ HZ10® Product Zone

Product Width: ☐ 5-1/4in ☐ 6-1/4in ☐ 7-1/4in ☐ 8in ☐ 8-1/4in ☐ 9-1/4in ☐ 12in

Product Finish: ☐ Primed ☐ ColorPlus® Technology

Product Texture: ☐ Smooth ☐ Select Cedarmill® ☐ Colonial Roughsawn®
☐ Colonial Smooth® ☐ Rustic Cedar

HardiePlank® Lap Siding

Specification Sheet

01

DIVISION: 07 00 00 THERMAL AND MOISTURE PROTECTION

SECTION: 07 46 46 FIBRE CEMENT SIDING

HARDIEPLANK® LAP SIDING

Manufacturer

James Hardie Building Products, Inc

The products are manufactured at the following locations, with quality control inspections by ICC-ES:

- Cleburne, Texas
- Plant City, Florida
- Reno, Nevada
- Waxahachie, Texas
- Peru, Illinois
- Pulaski, Virginia
- Tacoma, Washington
- Fontana, California

Compliance with the following codes

- 2012, 2009 and 2006 International Building Code® (IBC)
- 2012, 2009 and 2006 International Residential Code® (IRC)

Features

- Noncombustible
- Dimensionally Stable
- Resists damage from pests
- Weather Resistant-Engineered for Climate®
- Impact resistant
- Sustainable

Use

James Hardie fiber-cement lap siding is used as exterior wall covering. The product complies with IBC Section 1404.10 and IRC Section R703.10. The product may be used on exterior walls of buildings of Type I, II, III and IV construction (IBC)

Description

HardiePlank lap siding is a single-faced, cellulose fiber-reinforced cement (fiber-cement) product. HardiePlank lap siding complies with ASTM C1186, as Grade II, Type A; has a flame-spread index of 0 and a smoke-developed index of 5 when tested in accordance with ASTM E84; and is classified as noncombustible when tested in accordance with ASTM E136.

Available Sizes

Product	Width (in)	Length	Thickness (in)
HardiePlank lap siding*	5-1/4, 6-1/4, 7-1/4, 8, 8-1/4, 9-1/4, 12	12 feet	5/16

* HZ5: 9-1/4, 12 only available primed HZ10: 5-1/4, 9-1/4, 12 only available primed.

Texture & Finish

HardiePlank lap siding comes in a variety of textures and finishes. The product is available in smooth or wood grain texture. Additional textures are available on a regional basis. Finish options are primed for field paint, or factory finished with ColorPlus® Technology. Color availability varies by region.

Engineered for Climate®

HardiePlank lap siding is engineered for performance to specific weather conditions by climate zones as identified by the following map.



Performance Properties

	General Property	Test Method	Unit or Characteristic	Requirement	Result
PHYSICAL ATTRIBUTES	Dimensional Tolerances	ASTM C1185	Length	± 0.5% or ± 1/4 in	Pass
			Width	± 0.5% or ± 1/4 in	
			Thickness	± 0.04 in	
			Squareness	Δ in diagonals ≤ 1/32 in/ft of sheet length. Opposite sheet sides shall not vary in length by more than 1/32 in/ft	
			Edge Straightness	≤ 1/32 in/ft of length	
	Density, lb/ft³	ASTM C1185		As reported	83
	Water Absorption, % by mass	ASTM C1185		As reported	36
	Water Tightness	ASTM C1185	Physical Observations	No drop formation	Pass
FLEXURAL STRENGTH	ASTM C1185	Wet conditioned, psi	>1015 psi	Pass	
		Equilibrium conditioned, psi	>1450 psi		
		THERMAL	ASTM C177	Thermal Conductivity (BTU/(hr·ft²·F))/inch	
Actual Thermal Conductivity (K _{eff})	As reported			6.62	
Thermal Resistance R=1/ K _{eff}				0.48	
Actual Thermal Resistance (R)				0.15	
DURABILITY	Warm Water Resistance	ASTM C1185	Physical Observations	No visible cracks or structural alteration	Pass
	Heat/Rain Resistance	ASTM C1185	Physical Observations	No visible cracks or structural alteration	Pass
	Freeze/Thaw Resistance	ASTM C1185	Physical Observations	No visible cracks or structural alteration	Pass
			Mass Loss, %	≤ 3.0%	
			Freeze/Thaw, % strength retention	≥ 80%	
UV Accelerated Weathering Test	ASTM G23	Physical Observations	No cracking, checking, or crazing	Pass	
FIRE CHARACTERISTICS	Surface Burning Characteristics	ASTM E84	Flame Spread Index (FSI)		0
			Smoke Developed Index (SDI)		≤ 5
			Fuel Contributed		0
			NFPA Class		A
			Uniform Building Code Class	As reported	1
			International Building Code® class		A
	Noncombustibility	ASTM E136	Noncombustible	Pass/fail	Pass
	Fire Resistance Rated Construction	ASTM E119	Fire Resistance Rating	1-hour	Note 1

Note 1: listed on Warnock Hersey and ESR 2290

Installation

Install HardiePlank lap siding in accordance with:

- HardiePlank lap siding installation instructions
- ICC-ES ESR 2290
- Requirements of authorities having jurisdiction

Warranty

HardiePlank lap siding: 30-year, Non-Prorated, Limited Warranty
ColorPlus Technology: 15-year Limited Finish Warranty

Sustainable Design Contribution

- Regionally sourced content- varies by project location
- Avoidance of certain chemicals or Red List Compliance

Detailed product information for LEED projects, or other state or regional sustainability programs is available through James Hardie Technical Services.

Storage and Handling

Store flat and keep dry and covered prior to installation.

Technical Services

Contact James Hardie Technical Services online at JamesHardie.com, or by phone at (800)426-4051

P2



Additional Installation Information, Warranties, and Warning are available at JamesHardie.com

1 866 442 7343 | www.jameshardie.com

IMPORTANT: Failure to install and finish this product in accordance with applicable building codes and James Hardie written application instructions may affect system performance, violate local building codes, void the product-only warranty and lead to personal injury.

DESIGN ADVICE: Any information or assistance provided by James Hardie in relation to specific projects must be approved by the relevant specialists engaged for the project eg. builder, architect or engineer. James Hardie will not be responsible in connection with any such information or assistance.

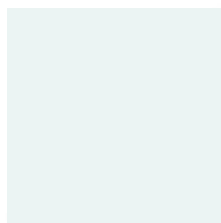
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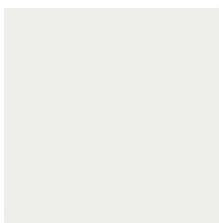
Your Roof. For Life.™

Residential/Post Frame Color Chart

- SMP[✓] Paint System
- 29 & 26 Gauge Galvalume® Steel Substrate
- 45-Year Industry Leading, Written Warranty on Painted Products with No Coastal Set Back



Arctic White*
TSR[†] = 63%



White
TSR = 46%



Ivory
TSR = 58%



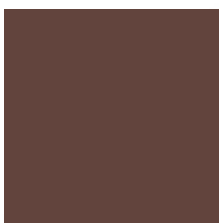
Light Stone
TSR = 51%



Sahara Tan
TSR = 36%



Pearl Gray
TSR = 35%



Cocoa Brown
TSR = 29%



Burnished Slate
TSR = 32%



Light Brown
TSR = 36%



Clay
TSR = 32%



Charcoal Gray
TSR = 31%



Black
TSR = 25%



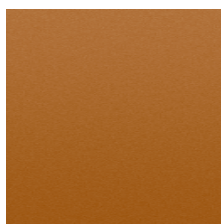
Patriot Red
TSR = 36%



Barn Red
TSR = 32%



Burgundy
TSR = 25%



Copper Metallic‡
TSR = 46%



Gallery Blue
TSR = 25%



Royal Blue
TSR = 31%



Evergreen
TSR = 26%



Marine Green
TSR = 30%

Non-Painted



**Acrylic Coated
Galvalume**
TSR = 55%



Denotes Energy Star™ certified high reflectance color which can reduce cooling costs.

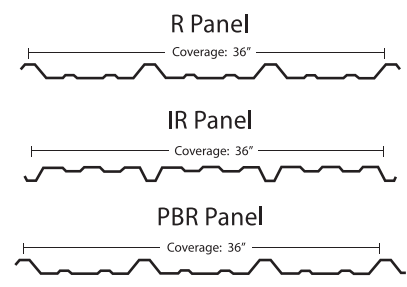
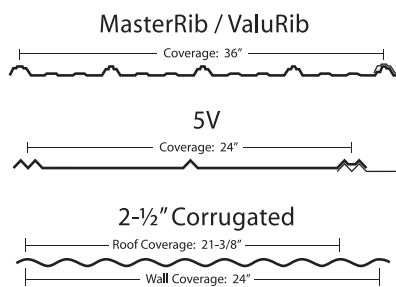
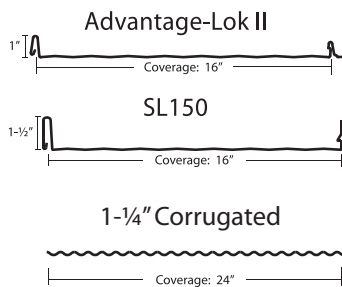


Union utilizes the most advanced Siliconized Modified Polyester paint system in the industry, based on Akzo Nobel's Ceram-A-Star 1050 technology.

Note: Colors shown have been matched as accurately as possible to actual finish. For exact color match, please request a metal color sample. Availability of colors and materials is subject to change. Most panels are available in bare galvanized or bare galvalume.

[†] TSR = Total Solar Reflectance. An Energy Star™ certified color must meet the following TSR requirements: 25% initial, 15% after 3 years of exposure testing.

[‡] Premium color. To ensure proper color match, orders for metallic colors should be placed so that they come from the same batch.



PANEL	GAUGE	Arctic White*	Barn Red	Black	Burgundy	Burnished Slate	Charcoal Grey	Clay	Cocoa Brown	Copper Metallic	Evergreen	Gallery Blue	Ivory	Light Brown	Light Stone	Marine Green	Patriot Red	Pearl Gray	Royal Blue	Sahara Tan	White	Acrylic Coated Galvalume
Advantage Lok II	26	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SL150	26	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MasterRib	29	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MasterRib	26	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
^S ValuRib**	29	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5V	29	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5V	26	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1-1/4" Corrugated	29	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2-1/2" Corrugated	29	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2-1/2" Corrugated	26	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
R Panel	26	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IR Panel	26	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PBR Panel	26	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

*Arctic White ValuRib is available only in Yukon OK, Janesville WI and Scranton PA **Others available in Ocala FL, Morrison TN, and Fayetteville NC ^SValuRib colors are not Energy Star certified. Copper is a metallic paint with higher cost than SMP.

PERFORMANCE DATA

COLOR	INITIAL SOLAR REFLECTANCE	3YR.TOTAL SOLAR REFLECTANCE	INITIAL THERMAL EMITTANCE	SOLAR REFLECTANCE INDEX
Arctic White	0.65	0.63	0.87	78
Barn Red	0.32	0.32	0.87	33
Black	0.25	0.25	0.85	24
Burgundy	0.25	0.25	0.87	24
Burnished Slate	0.31	0.32	0.88	32
Charcoal Gray	0.30	0.31	0.88	31
Clay	0.33	0.32	0.87	35
Cocoa Brown	0.28	0.29	0.89	29
Copper Metallic	0.46	0.46	0.86	52
Evergreen	0.26	0.26	0.88	26
Gallery Blue	0.25	0.25	0.87	24
Ivory	0.60	0.58	0.87	71
Light Brown	0.35	0.36	0.88	38
Light Stone	0.52	0.51	0.87	60
Marine Green	0.30	0.30	0.87	31
Patriot Red	0.35	0.36	0.88	38
Pearl Gray	0.37	0.35	0.87	40
Royal Bue	0.30	0.31	0.87	31
Sahara Tan	0.36	0.36	0.87	39
White	0.56	0.46	0.87	66
Acrylic Coated Galvalume	0.67	0.55	0.14	56

ENERGY STAR Requirements

Initial Solar Reflectivity
Steep Slope Roofs (>2:12) ≥ 0.25
Low Slope Roofs (≤2:12) ≥ 0.65
3 Year Solar Reflectivity
Steep Slope Roofs (>2:12) = 0.15
Low Slope Roofs (≤2:12) = 0.50

LEED 2.2 Requirements

Solar Reflectance Index (SRI)
Steep Slope Roofs = ≥29
Low Slope Roofs = ≥78

Note: Colors shown have been matched as accurately as possible to actual finish. For exact color match, please request a metal color sample. Availability of colors and materials is subject to change. Most panels are available in bare galvanized or bare galvalume.

Plant Locations:

Corporate Headquarters**

701 S. King St.
Fayetteville, NC 28301
888-685-7663

Morrison, TN**

7747 Manchester Hwy.
Morrison, TN 37357
931-668-4393

Tifton, GA

3365 US Hwy 41 S.
Tifton, GA 31794
800-962-9131

Orange, VA

12435 James Madison Hwy.
Orange, VA 22690
800-762-6785

Ocala, FL**

490 Oak Rd.
Ocala, FL 34472
800-331-3584

Vicksburg, MS

1463 Interplex Circle
Ceres Industrial Complex
Vicksburg, MS 39183
888-661-0577

Dayton, OH

625 N. Third St.
Tipp City, OH 45371
877-615-9812

Oklahoma City, OK*

600 N. Sara Rd. Ste B
Yukon, OK 73099
866-373-5286

Scranton, PA*

100 Keystone Industrial
Park Road
Suite 2B
Dunmore, PA 18512
866-695-6455

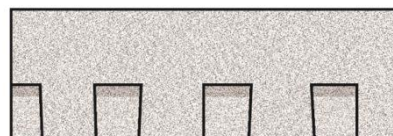
Janesville, WI*

3920 Kennedy Rd.
Janesville, WI 53545
608-563-3226

Landmark®, Landmark® Premium, Landmark® Pro Shingles, Landmark® Pro/Architect 80 (NW Region Only) Shingles

PRODUCT INFORMATION

Landmark shingles reflect the same high manufacturing standards and superior warranty protection as the rest of CertainTeed's line of roofing products. Landmark Premium (and Algae Resistant-AR), Landmark PRO (and AR) and Landmark (and AR) are built with the industry's toughest fiber glass mat base, and their strict dimensional tolerance assures consistency. Complex granule color blends and subtle shadow lines produce a distinctive color selection. Landmark is produced with the unique NailTrak® nailing feature. **Please see the installation instruction section below for important information regarding NailTrak.**



In the Northwest Region Landmark PRO (AR) is double-branded as Landmark PRO/Architect 80 (AR).

Landmark algae-resistant (AR) shingles are algae-resistant and help protect against dark or black discoloration, sometimes called staining or streaking, caused by blue-green algae. AR shingles are not available in all regions.

Colors: Please refer to the product brochure or CertainTeed website for the colors available in your region.

Limitations: Use on roofs with slopes greater than 2" per foot. Low-slope applications (2:12 to < 4:12) require additional underlayment. In areas where icing along eaves can cause the back-up of water, apply CertainTeed WinterGuard® Waterproofing Shingle Underlayment, or its equivalent, according to application instructions provided with the product and on the shingle package.

Product Composition: Landmark Series shingles are composed of a fiber glass mat base. Ceramic-coated mineral granules are tightly embedded in carefully refined, water-resistant asphalt. Two pieces of the shingle are firmly laminated together in a special, tough asphaltic cement. All Landmark shingles have self-sealing adhesive strips.

Applicable Standards

ASTM D3018 Type I

ASTM D3462

ASTM E108 Class A Fire Resistance

ASTM D3161 Class F Wind Resistance

ASTM D7158 Class H Wind Resistance

UL 790 Class A Fire Resistance

ICC-ES ESR-1389 and ESR-3537

CSA Standard A123.5 (Regional)

Miami-Dade Product Control Approved

Florida Product Approval # FL5444

Meets TDI Windstorm Requirements

Technical Data:

	Landmark (and AR)	Landmark PRO* (and AR)	Landmark Premium (and AR)
Weight/Square (approx.)	219 to 238 lb **	240 to 267 lb **	300 lb
Dimensions (overall)	13 1/4" x 38 3/4"	13 1/4" x 38 3/4"	13 1/4" x 38 3/4"
Shingles/Square (approx.)	66	66	66
Weather Exposure	5 5/8"	5 5/8"	5 5/8"

*Includes Landmark PRO AR/Architect 80

**Dependent on manufacturing location

INSTALLATION

Detailed installation instructions are supplied on each bundle of Landmark shingles and must be followed. Separate application sheets may also be obtained from CertainTeed.

Hips and Ridges: For capping hip and ridge apply CertainTeed Shadow Ridge®, Cedar Crest® or Mountain Ridge® shingles of a like color.

MAINTENANCE

These shingles do not require maintenance when installed according to manufacturer's application instructions. However, to protect the investment, any roof should be routinely inspected at least once a year. Older roofs should be looked at more frequently.

WARRANTY

Landmark Premium (and AR), Landmark PRO/Architect 80 AR, Landmark PRO (and AR), and Landmark (and AR) shingles carry a lifetime limited, transferable warranty to the consumer against manufacturing defects when applied to stated CertainTeed application instructions for this product. In addition, Landmark Premium (and AR), Landmark PRO (and AR), Landmark PRO/Architect 80 AR, and Landmark (and AR) carry 10-years of SureStart™ Protection. Landmark AR shingles carry a 10-year algae resistance warranty. Landmark Premium AR, Landmark PRO AR, and Landmark PRO/Architect 80 AR shingles carry a 15-year algae resistance warranty. For specific warranty details and limitations, refer to the warranty itself (available from the local supplier, roofing contractor or on-line at www.certainteed.com).

FOR MORE INFORMATION

Sales Support Group: 800-233-8990

Web site: www.certainteed.com

See us at our on-line specification writing tool, CertaSpec®, at www.certainteed.com/certaspec.

CertainTeed

20 Moores Road
Malvern, PA 19355

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CUSTOMER QUOTATION

84 Lumber Eagle Const. 1705
2400 Station Road
Richmond VA 23234

Phone: 804-271-9484
Fax: 804-743-9629

QUOTE DATE

12/4/2020

QUOTE#

659732

QUOTE TO:

Phone:

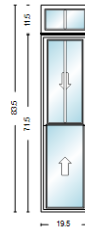
Fax:

Email:

QUOTE #	CONTACT	QUOTED BY	PROJECT NAME	QUOTE NAME
659732		84fallingcreek	BEAZLEY black ext	MITCHELL HOMES

Comments:

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
100-1	PRODUCT: Series 5900 Brickmould NC DH White/Black Vinyl Sizes Series 5900 Brickmould NC TR White/Black Vinyl Sizes Factory Mull OVERALL UNIT SIZE: 19.5" X 83.5" OVERALL ROUGH OPENING: 20" X 84" UNIT DIMS: Units 1: 19 1/2 x 71 1/2 Units 2: 19 1/2 x 11 1/2 GLASS: Units 1 Top, 1 Btm: LowE-2, Single Strength(std) Units 2: LowE-2, Double Strength GRILLES: White/Black Flat Internal 5/8 Grid, Colonial, 2W1H HARDWARE: Units 1: White Hardware, Single Lock JAMB: Primed 4 9/16" EJ	2	\$517.51	\$1,035.02



Egress: No, 3.45 Sq. Ft.

IMPORTANT NOTE: The Exterior/Interior Frame Color in the quoting tool and the actual product color may differ. Refer to the United Chip color sample for actual color.

Units 1: UValue: 0.33, SHGC: 0.28,
VT: 0.49, PG: R-PG30, DP±: Not
Rated
Units 2: UValue: 0.34, SHGC: 0.31,
VT: 0.54, PG: R-PG50, DP±: 50

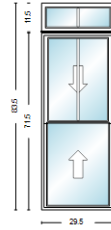
Comments: None Assigned

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
100-2	** SCREENS - Qty 1 ** Black, Full, Fiberglass Mesh, Ship Screen Separate	2	\$14.88	\$29.76
Comments: None Assigned				
LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
100-3	** Laminate - Black **	2	\$356.18	\$712.36

Comments: None Assigned

IMPORTANT: ALL PRODUCTS VIEWED INSIDE LOOKING OUT

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
200-1	PRODUCT: Series 5900 Brickmould NC DH White/Black Vinyl Sizes Series 5900 Brickmould NC TR White/Black Vinyl Sizes Factory Mull OVERALL UNIT SIZE: 29.5" X 83.5" OVERALL ROUGH OPENING: 30" X 84" UNIT DIMS: Units 1: 29 1/2 x 71 1/2 Units 2: 29 1/2 x 11 1/2 CALL SIZES: Units 1: 2-6 x 6-0 Units 2: 2-6 x 1-0 GLASS: Units 1 Top, 1 Btm: LowE-2, Single Strength(std) Units 2: LowE-2, Double Strength GRILLES: White/Black Flat Internal 5/8 Grid, Colonial, 2W1H HARDWARE: Units 1: White Hardware, Double Lock JAMB: Primed 4 9/16" EJ	2	\$510.73	\$1,021.46



Egress: Yes, 5.71 Sq. Ft.

IMPORTANT NOTE: The Exterior/Interior Frame Color in the quoting tool and the actual product color may differ. Refer to the United Chip color sample for actual color.

Units 1: UValue: 0.33, SHGC: 0.28,
 VT: 0.49, PG: R-PG30, DP±: Not
 Rated
 Units 2: UValue: 0.34, SHGC: 0.31,
 VT: 0.54, PG: R-PG50, DP±: 50

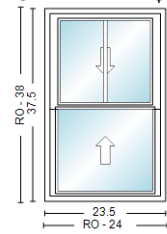
Comments: None Assigned

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
200-2	** SCREENS - Qty 1 ** Black, Full, Fiberglass Mesh, Ship Screen Separate	2	\$15.86	\$31.72
Comments: None Assigned				
LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
200-3	** Laminate - Black **	2	\$356.18	\$712.36

Comments: None Assigned

IMPORTANT: ALL PRODUCTS VIEWED INSIDE LOOKING OUT

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
300-1	PRODUCT: Series 5900 Brickmould NC DH White/Black Vinyl Sizes OVERALL ROUGH OPENING: 24" X 38" UNIT DIMS: Units 1: 23 1/2 x 37 1/2 CALL SIZES: Units 1: 2-0 x 3-2 GLASS: LowE-2, Single Strength(std) GRILLES: White/Black Flat Internal 5/8 Grid, Colonial, 2W1H HARDWARE: White Hardware, Single Lock JAMB: Primed 4 9/16" EJ	1	\$246.40	\$246.40



Egress: No, 2.07 Sq. Ft.

IMPORTANT NOTE: The Exterior/Interior Frame Color in the quoting tool and the actual product color may differ. Refer to the United Chip color sample for actual color.

UValue: 0.33, SHGC: 0.28, VT: 0.49, PG: R-PG50, DP±: 50

Comments: None Assigned

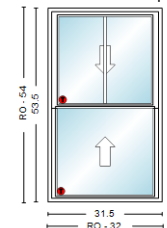
LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
300-2	** SCREENS - Qty 1 ** Black, Full, Fiberglass Mesh, Ship Screen Separate	1	\$12.58	\$12.58

Comments: None Assigned

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
300-3	** Laminate - Black **	1	\$200.34	\$200.34

Comments: None Assigned

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
400-1	PRODUCT: Series 5900 Brickmould NC DH White/Black Vinyl Sizes OVERALL ROUGH OPENING: 32" X 54" UNIT DIMS: Units 1: 31 1/2 x 53 1/2 CALL SIZES: Units 1: 2-8 x 4-6 GLASS: LowE-2, Double Strength, Tempered GRILLES: White/Black Flat Internal 5/8 Grid, Colonial, 2W1H HARDWARE: White Hardware, Double Lock JAMB: Primed 4 9/16" EJ	2	\$387.45	\$774.89



Egress: No, 4.45 Sq. Ft.

IMPORTANT NOTE: The Exterior/Interior Frame Color in the quoting tool and the actual product color may differ. Refer to the United Chip color sample for actual color.

UValue: 0.33, SHGC: 0.27, VT: 0.48, PG: R-PG50, DP±: 50

Comments: None Assigned

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
400-2	** SCREENS - Qty 1 ** Black, Full, Fiberglass Mesh, Ship Screen Separate	2	\$14.56	\$29.12

Comments: None Assigned

IMPORTANT: ALL PRODUCTS VIEWED INSIDE LOOKING OUT

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
400-3	** Laminate - Black **	2	\$200.34	\$400.68

Comments: None Assigned

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
500-1	PRODUCT: Series 5900 Brickmould NC DH White/Black Vinyl Sizes	3	\$272.90	\$818.70

OVERALL ROUGH OPENING: 32" X 54"

UNIT DIMS: Units 1: 31 1/2 x 53 1/2

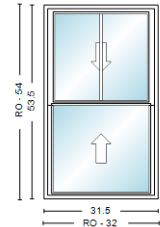
CALL SIZES: Units 1: 2-8 x 4-6

GLASS: LowE-2, Single Strength(std)

GRILLES: White/Black Flat Internal 5/8 Grid, Colonial, 2W1H

HARDWARE: White Hardware, Double Lock

JAMB: Primed 4 9/16" EJ



Egress: No, 4.45 Sq. Ft.

IMPORTANT NOTE: The Exterior/Interior Frame Color in the quoting tool and the actual product color may differ. Refer to the United Chip color sample for actual color.

UValue: 0.33, SHGC: 0.28, VT: 0.49, PG: R-PG50, DP±: 50

Comments: None Assigned

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
500-2	** SCREENS - Qty 1 ** Black, Full, Fiberglass Mesh, Ship Screen	3	\$14.56	\$43.68

Separate

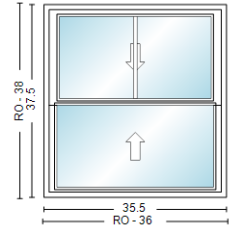
Comments: None Assigned

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
500-3	** Laminate - Black **	3	\$200.34	\$601.02

Comments: None Assigned

IMPORTANT: ALL PRODUCTS VIEWED INSIDE LOOKING OUT

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
600-1	PRODUCT: Series 5900 Brickmould NC DH White/Black Vinyl Sizes OVERALL ROUGH OPENING: 36" X 38" UNIT DIMS: Units 1: 35 1/2 x 37 1/2 CALL SIZES: Units 1: 3-0 x 3-2 GLASS: LowE-2, Single Strength(std) GRILLES: White/Black Flat Internal 5/8 Grid, Colonial, 2W1H HARDWARE: White Hardware, Double Lock JAMB: Primed 4 9/16" EJ	1	\$264.82	\$264.82



Egress: No, 3.37 Sq. Ft.

IMPORTANT NOTE: The Exterior/Interior Frame Color in the quoting tool and the actual product color may differ. Refer to the United Chip color sample for actual color.

UValue: 0.33, SHGC: 0.28, VT:
0.49, PG: R-PG50, DP±: 50

Comments: None Assigned

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
600-2	** SCREENS - Qty 1 ** Black, Full, Fiberglass Mesh, Ship Screen Separate	1	\$14.18	\$14.18

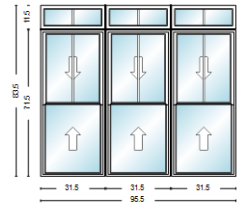
Comments: None Assigned

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
600-3	** Laminate - Black **	1	\$200.34	\$200.34

Comments: None Assigned

IMPORTANT: ALL PRODUCTS VIEWED INSIDE LOOKING OUT

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
700-1	PRODUCT: Series 5900 Brickmould NC DH Triple White/Black CHS Vinyl Sizes Series 5900 Brickmould NC TR/TR/TR White/Black Factory Mull Vinyl Sizes Factory Mull OVERALL UNIT SIZE: 95.5" X 83.5" OVERALL ROUGH OPENING: 96" X 84" UNIT DIMS: Units 1, 2, 3: 31 1/2 x 71 1/2 Units 4, 5, 6: 31 1/2 x 11 1/2 CALL SIZES: Units 1, 2, 3: 2-8 x 6-0 Units 4, 5, 6: 2-8 x 1-0 GLASS: Units 1 Top, 1 Btm, 2 Top, 2 Btm, 3 Top, 3 Btm: LowE-2, Single Strength(std) Units 4, 5, 6: LowE-2, Double Strength GRILLES: White/Black Flat Internal 5/8 Grid, Colonial, 2W1H HARDWARE: Units 1, 2, 3: White Hardware, Double Lock JAMB: Primed 4 9/16" EJ	1	\$1,654.23	\$1,654.23



Egress: Yes, 6.16 Sq. Ft.

IMPORTANT NOTE: The Exterior/Interior Frame Color in the quoting tool and the actual product color may differ. Refer to the United Chip color sample for actual color.

Units 1, 2, 3: UValue: 0.33, SHGC: 0.28, VT: 0.49, PG: Not Rated, DP±: Not Rated
 Units 4, 5, 6: UValue: 0.34, SHGC: 0.31, VT: 0.54, PG: Not Rated, DP±: Not Rated

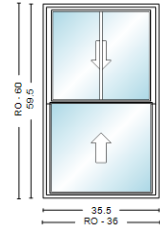
Comments: None Assigned

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
700-2	** SCREENS - Qty 3 ** Black, Full, Fiberglass Mesh, Ship Screen Separate	1	\$48.52	\$48.52
Comments: None Assigned				
LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
700-3	** Laminate - Black **	1	\$1,068.52	\$1,068.52

Comments: None Assigned

IMPORTANT: ALL PRODUCTS VIEWED INSIDE LOOKING OUT

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
800-1	PRODUCT: Series 5900 Brickmould NC DH White/Black Vinyl Sizes OVERALL ROUGH OPENING: 36" X 60" UNIT DIMS: Units 1: 35 1/2 x 59 1/2 CALL SIZES: Units 1: 3-0 x 5-0 GLASS: LowE-2, Single Strength(std) GRILLES: White/Black Flat Internal 5/8 Grid, Colonial, 2W1H HARDWARE: White Hardware, Double Lock JAMB: Primed 4 9/16" EJ	4	\$287.52	\$1,150.08



Egress: Yes, 5.76 Sq. Ft.

IMPORTANT NOTE: The Exterior/Interior Frame Color in the quoting tool and the actual product color may differ. Refer to the United Chip color sample for actual color.

UValue: 0.33, SHGC: 0.28, VT: 0.49, PG: R-PG50, DP±: 50

Comments: None Assigned

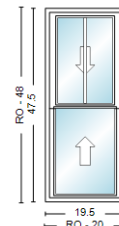
LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
800-2	** SCREENS - Qty 1 ** Black, Full, Fiberglass Mesh, Ship Screen Separate	4	\$15.70	\$62.80

Comments: None Assigned

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
800-3	** Laminate - Black **	4	\$200.34	\$801.36

Comments: None Assigned

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
900-1	PRODUCT: Series 5900 Brickmould NC DH White/Black Vinyl Sizes OVERALL ROUGH OPENING: 20" X 48" UNIT DIMS: Units 1: 19 1/2 x 47 1/2 GLASS: LowE-2, Single Strength(std) GRILLES: White/Black Flat Internal 5/8 Grid, Colonial, 2W1H HARDWARE: White Hardware, Single Lock JAMB: Primed 4 9/16" EJ	2	\$262.70	\$525.40



Egress: No, 2.17 Sq. Ft.

IMPORTANT NOTE: The Exterior/Interior Frame Color in the quoting tool and the actual product color may differ. Refer to the United Chip color sample for actual color.

UValue: 0.33, SHGC: 0.28, VT: 0.49, PG: R-PG50, DP±: 50

Comments: None Assigned

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
900-2	** SCREENS - Qty 1 ** Black, Full, Fiberglass Mesh, Ship Screen Separate	2	\$12.90	\$25.80

Comments: None Assigned

IMPORTANT: ALL PRODUCTS VIEWED INSIDE LOOKING OUT

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
900-3	** Laminate - Black **	2	\$200.34	\$400.68

Comments: None Assigned

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
1000-1	PRODUCT: Series 5900 Brickmould NC DH White/Black Vinyl Sizes	2	\$306.31	\$612.61

OVERALL ROUGH OPENING: 24" X 38"

UNIT DIMS: Units 1: 23 1/2 x 37 1/2

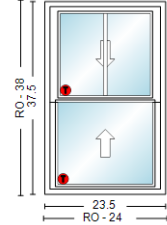
CALL SIZES: Units 1: 2-0 x 3-2

GLASS: LowE-2, Double Strength, Tempered

GRILLES: White/Black Flat Internal 5/8 Grid, Colonial, 2W1H

HARDWARE: White Hardware, Single Lock

JAMB: Primed 4 9/16" EJ



Egress: No, 2.07 Sq. Ft.

IMPORTANT NOTE: The Exterior/Interior Frame Color in the quoting tool and the actual product color may differ. Refer to the United Chip color sample for actual color.

UValue: 0.33, SHGC: 0.27, VT: 0.48, PG: R-PG50, DP±: 50

Comments: None Assigned

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
1000-2	** SCREENS - Qty 1 ** Black, Full, Fiberglass Mesh, Ship Screen Separate	2	\$12.58	\$25.16

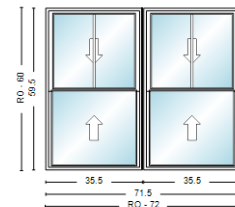
Comments: None Assigned

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
1000-3	** Laminate - Black **	2	\$200.34	\$400.68

Comments: None Assigned

IMPORTANT: ALL PRODUCTS VIEWED INSIDE LOOKING OUT

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
1100-1	PRODUCT: Series 5900 Brickmould NC DH Pair White/Black CHS Vinyl Sizes OVERALL UNIT SIZE: 71.5" X 59.5" OVERALL ROUGH OPENING: 72" X 60" UNIT DIMS: Units 1, 2: 35 1/2 x 59 1/2 CALL SIZES: Units 1, 2: 3-0 x 5-0 GLASS: LowE-2, Single Strength(std) GRILLES: White/Black Flat Internal 5/8 Grid, Colonial, 2W1H HARDWARE: White Hardware, Double Lock JAMB: Primed 4 9/16" EJ	1	\$613.67	\$613.67



Egress: Yes, 5.76 Sq. Ft.

IMPORTANT NOTE: The Exterior/Interior Frame Color in the quoting tool and the actual product color may differ. Refer to the United Chip color sample for actual color.

UValue: 0.33, SHGC: 0.28, VT: 0.49, PG: R-PG30, DP±: Not Rated

Comments: None Assigned

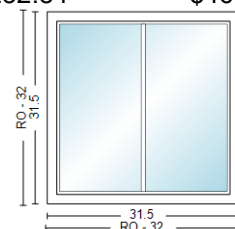
LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
1100-2	** SCREENS - Qty 2 ** Black, Full, Fiberglass Mesh, Ship Screen Separate	1	\$31.40	\$31.40

Comments: None Assigned

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
1100-3	** Laminate - Black **	1	\$400.70	\$400.70

Comments: None Assigned

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
1200-1	PRODUCT: Series 5900 Brickmould NC PW White/Black Vinyl Sizes OVERALL ROUGH OPENING: 32" X 32" UNIT DIMS: Units 1: 31 1/2 x 31 1/2 GLASS: LowE-2, Double Strength GRILLES: White/Black Flat Internal 5/8 Grid, Colonial, 2W1H JAMB: Primed 4 9/16" EJ	2	\$232.84	\$465.68



IMPORTANT NOTE: The Exterior/Interior Frame Color in the quoting tool and the actual product color may differ. Refer to the United Chip color sample for actual color.

UValue: 0.34, SHGC: 0.31, VT: 0.54, PG: R-PG50, DP±: 50

Comments: None Assigned

IMPORTANT: ALL PRODUCTS VIEWED INSIDE LOOKING OUT

LINE #	DESCRIPTION	QTY	NET PRICE	EXTENDED NET
1200-2	** Laminate - Black **	2	\$155.82	\$311.64

Comments: None Assigned

SUB-TOTAL:	\$15,748.37
FREIGHT:	\$0.00
LABOR:	\$0.00
SALES TAX:	\$0.00
TOTAL:	\$15,748.37

CUSTOMER SIGNATURE_____DATE_____

WE APPRECIATE YOUR BUSINESS!

IMPORTANT: ALL PRODUCTS VIEWED INSIDE LOOKING OUT

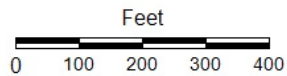
Northampton County, Virginia

Legend

- County Boundaries
- Town Names
- Route Numbers
- Road Labels
- Parcels
- Driveways



Map Printed from Northampton
<https://parcelviewer.geodecisions.com/Northampton/>



Title: Lot 369 Tazewell Avenue

Date: 12/14/2020

DISCLAIMER: This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records, information, and data obtained from various sources, and Northampton County is not responsible for its accuracy or how current it may be.