CITY OF WILMINGTON NORTH CAROLINA

CERTIFICATE OF APPROPRIATENESS APPLICATION
MAJOR WORK

APPLICATION SUBMITTAL REQUIREMENTS

- Applications are due by 1:00 PM and are submitted by appointment only. Please call 910-254-0900 to schedule an appointment
- Do not drop off, email or mail in an application for major work.
- Application fees must be paid at the time of submission. If you wish to pay over the phone, please call 910-254-0900 to make arrangements for credit card payments
- Applications will be reviewed for completeness before they are accepted. Incomplete applications will not be scheduled for HPC review.
- A pre-application meeting is required for all major works applications; applications cannot be accepted without a pre-application meeting. Meetings may be scheduled by calling 910-254-0900.
- All applicable items listed on the submittal checklist are required for an application to be considered complete.

Historic Preservation Commission Meetings

Meeting Date	Submission Deadline
January 11	12/05/2023
February 8	01/03/2024
March 14	02/06/2024
April 11	03/05/2024
May 9	04/02/2024
June 13	05/07/2024
July 11	06/04/2024
August 8	07/03/2024
September 12	08/06/2024
October 10	09/03/2024
November 14	10/08/2024
December 12	11/05/2024
January 9, 2025	12/03/2024

RECEIVED
AUG 06 2024
PLANNING DEPARTMENT

City of Wilmington
Planning and Development
Historic Preservation
929 N Front Street
1st Floor | P.O. Box 1810
Wilmington NC 28401

(910) 254-0900
Preservation@wilmingtonnc.gov

Application Fees

Estimated Project Cost	Application Fee
Up to $ 17,999	None
$ 18,000 - $ 24,999	$ 20
$ 25,000 - $ 49,999	$ 25
$ 50,000 - $ 99,000	$ 35
$ 100,000 - $ 499,000	$ 50
$500,000 or more	$ 100

Approval of After-the-Fact (work completed without a COA) requires application submittal and a fee of $100

CITY OF WILMINGTON
NORTH CAROLINA

CERTIFICATE OF APPROPRIATENESS APPLICATION
MAJOR WORK

PLEASE TYPE OR PRINT

Street Address: 420 Church Street

Tax Parcel Number: R050405-035002-000

Property Owner Information

If the applicant is not the property owner, an agent form (below) is required to be signed by the property owner and submitted with an application. Application must be signed by all legal property owners.

Owner name(s): Wild Old Women & One Guy, LLC (Sue Lauffer Boone)

Mailing Address: 413 Andersen St, Wilmington, NC 28401

Phone: 954-600-1999 Email address: SueLauffer01@AOL.COM

Signature: [signature]

Date: 7/30/24

AGENT FORM ***(This section is required if the applicant is anyone other than the property owner)***

I _____ the undersigned owner, do hereby appoint

_____ to act on my behalf for the purpose of petitioning the city of Wilmington Historic Preservation Commission for a certificate of appropriateness, as applicable to the property described in the attached petition.

I do hereby covenant and agree with the city of Wilmington that said person (agent) has the authority to do the following acts for or on behalf of the owner:

- Submit property petition and require supplemental materials
- Appear at public meetings to give testimony and make commitments on behalf of the owner
- Accept conditions or recommendations made for the issuance of the certificate of appropriateness on the owner's property
- Act on the owner's behalf without limitations with regard to any and all things directly or indirectly connected with or arising out of any petition for a certificate of appropriate-

This appointment agreement shall continue in effect until final disposition of the petition submitted in conjunction with this appointment.

RECEIVED
AUG 06 2024
PLANNING DEPARTMENT

Owner(s) name(s): _____

Owner(s) signature: _____ Date: _____

Designated agent name: _____

Designated agent address: _____

Designated agent phone: _____ Email address: _____

CITY OF WILMINGTON NORTH CAROLINA

CERTIFICATE OF APPROPRIATENESS APPLICATION
MAJOR WORK

SUBMITTAL CHECKLIST

If the information is not included with the application, the request cannot be scheduled for review by the commission.

RECEIVED AUG 06 2024 PLANNING DEPARTMENT

Signed Application Form

Agent Form (as needed)

Project Narrative

- Brief detailed description of the project, including a description of how the proposed changes are consistent with the Wilmington Design Standards for Historic Districts

Tax Map

- This can be found online at New Hanover County GIS Portal
- (https://www.nhcgov.com/844/GIS-Maps-Data)

8 x 85¢ = $6.80

Adjacent Property Owners

- List of adjacent property owners with mailing addresses is provided by staff.
- Stamped envelopes addressed to each property owner's mailing address

Proposed Building Materials

- Product sheets for each type of material proposed (including windows, doors, roof, siding, etc.)
- Material Sheet Checklist if applicable
- May include brochures or manufacturer's specification sheets

Digital Photos (all photos may be emailed)

- A keyed site plan or lot diagram showing existing structures, features and conditions
- A close up of the proposed work area.

New Construction, Major Alterations, Additions

These scopes will require additional information including but not limited to the following:

- Site plan, drawn to scale with existing and proposed buildings, setbacks, parking areas, driveways, trees to be removed or preserved, fences and landscaping.
- Architectural drawings, drawn to scale including elevations and floor plans.
- Additional information that helps determine whether the project is consistent with Design Standards.
- Three dimensional models (optional)

The applicant is responsible for supplying all information necessary to enable the Historic Preservation Commission (HPC) to understand the proposal and potential impacts on the historic district or overlay.

Without sufficient information, the Commission may continue or deny the request.

CITY OF WILMINGTON NORTH CAROLINA

CERTIFICATE OF APPROPRIATENESS APPLICATION
MAJOR WORK

NEW CONSTRUCTION INFORMATION

Complete one sheet for each new building or structure in order to address all of the project components

Building Element	Proposed Materials, Dimensions, Color
Roof (Roof Pitch / Material / Color)	
Main	Metal Roof
Front Porch / Side Porch / Rear Porch	Metal Roof
Height (avg. grade to peak of roof)	5/12
Cladding	
Body of building	Wood
Additional (Reveal, Finish, Mortar Color)	
Foundation	
Materials (including color and height)	Block on new footers with Brick Veneer. Staggered
Porch (Materials & Dimensions)	
Columns (capital and base)	Brick with wire mesh behind on
Stairs and Railing (include dimensions)	EAST + NORTH foundations.
Decking (floorboards)	Lattice + wire on South + West
Balustrade / railing (top cap and bottom)	Wood 2"x4" Walls -
Balustrade - individual balusters	Wood 2x2
Ceiling (material, design, dimensions)	Bead Board
Screens (only on rear)	N/A
Deck (Materials and Dimensions)	
Posts	
Balustrade / railing (top cap and bottom)	
Balustrade - individual balusters	
Foundation (height and materials)	
Entry steps and railings	
Doors (Materials and Dimensions)	
Front entry	Restore Original Door (36") and move to Church St. side
Sides (specify location)	5 Ave Side remove door + replace with window
Rear	French door - wood.
Windows (Materials, Style, Dimensions)	
Front	Wood 6 over 6, double hung
Sides	56" x 33"
Rear	
Gutters and Downspouts	
Driveway	
Dimensions	
Curb, Apron and Runner Materials	
Any Additional Materials	

RECEIVED
AUG 06 2024
PLANNING DEPARTMENT

The restoration of 420 Church Street will transform the structure from what is almost falling down to a beautiful home that Wilmington can be proud of.

During the years, several small additions have been added on the south and west sides of the building. These structures have separated from the original main structure and will be completely removed and replaced with a new structure that will evenly extend from the house. This will also allow for a better roof design so water does not pond on the roof.

Restoration

1. Completely empty the house of all debris
2. Remove the entire roof structure and chimneys
3. Remove windows and doors and any bad siding boards
4. Remove all sheetrock (or plaster) down to studs

At this point, most of the weight will have been removed from the structure.

5. Lift the main structure up off of the existing piers.
6. Clear out everything under the house, piers, garbage, old pipes, ducts, electrical, insulation, etc.
7. Pour new concrete footings, construct new concrete block piers to code and plate piers with ½ inch brick.
8. Replace any or all of the sill plates as required
9. Lower the main structure down onto the new piers, securing the house to the piers.
10. Replace any interior wood as necessary. Construct new walls inside existing house and add new addition that is replacing the multiple old additions. per the new design and to carry the weight of the new roof.
11. Install new roof trusses, sheathing and new metal roof. Build replica chimneys and plate with brick.
12. Repair or replace exterior siding boards as necessary, install new wood windows, soffits and facia. The door currently facing 5th Ave. will be restored and relocated to the Church Street entrance. That opening on 5th from the door will be a window.

13. Rebuild porch top to bottom. We are requesting a composite board be used for the porch deck only. This is due to the vast amount of deck space that is exposed to the elements. It is a fact that treated wood that is currently sold only has a warranty of 90 days. The composite product will last for years and years.
14.Paint the entire exterior.
15.Design and implement all landscaping, brick walls, etc. At the same time, totally reconstruct the interior.

Electrical
Plumbing
HVAC
Insulation
Sheetrock and finish
Bathrooms
Hardwood floors installed
Paint entire interior
Finish onto hardwood floors
Install kitchen complete
Install interior trim and doors
Paint all trim and doors
Install appliances, hardware, bath accessories, etc.

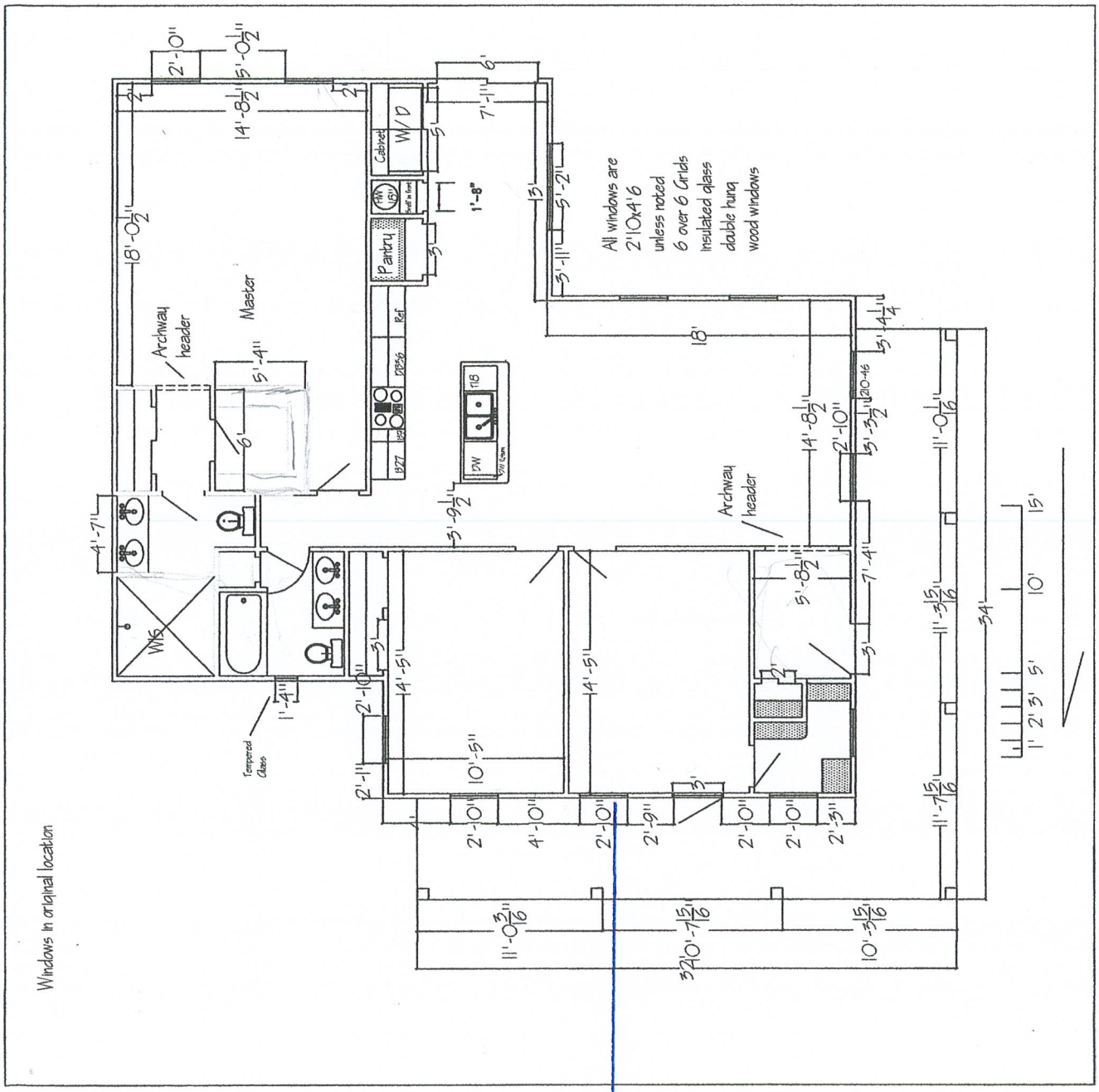
All required permits will be in place prior to start of construction.

WALA ! Totally restored historic Home !

RECEIVED

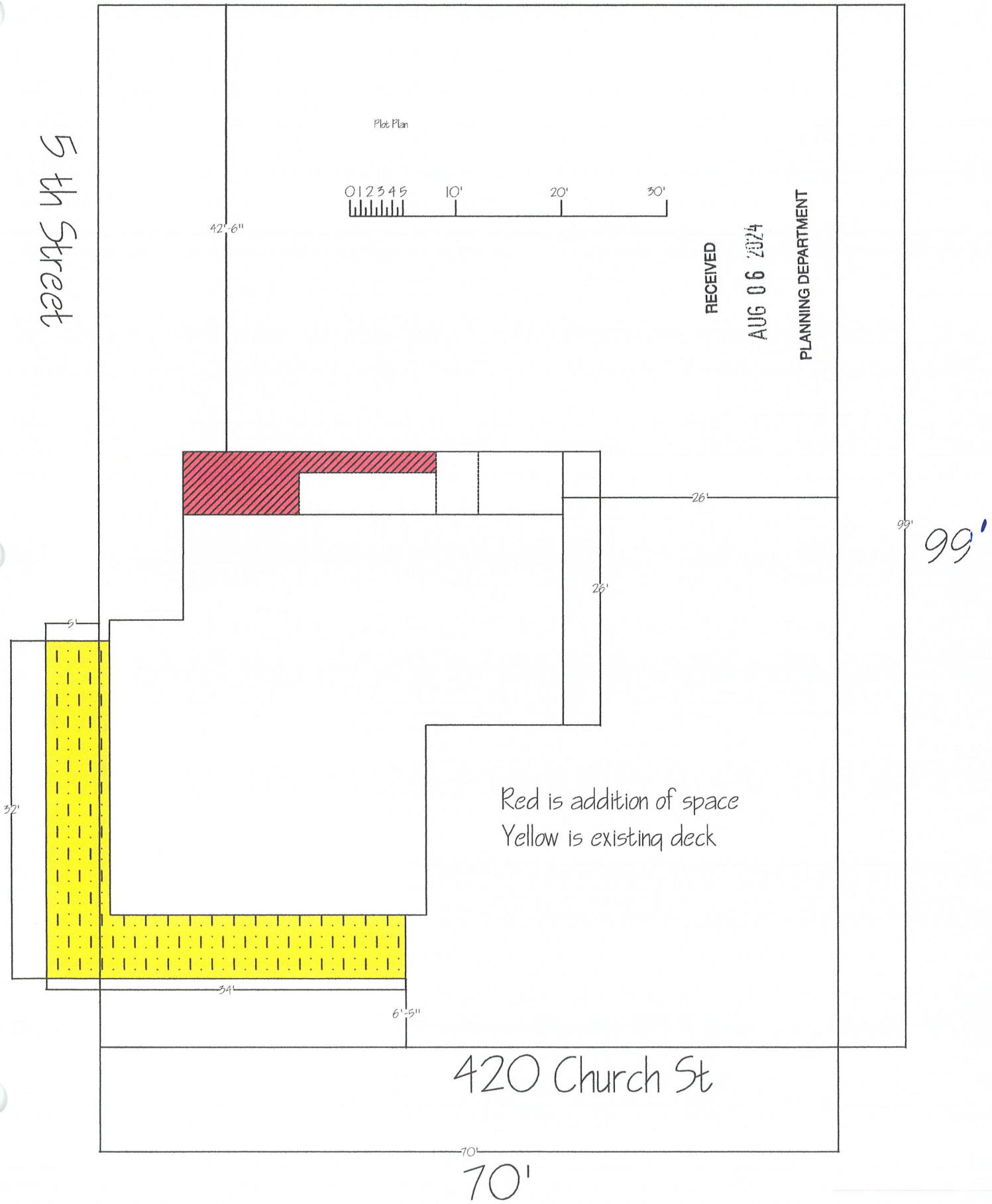
AUG 06 2024

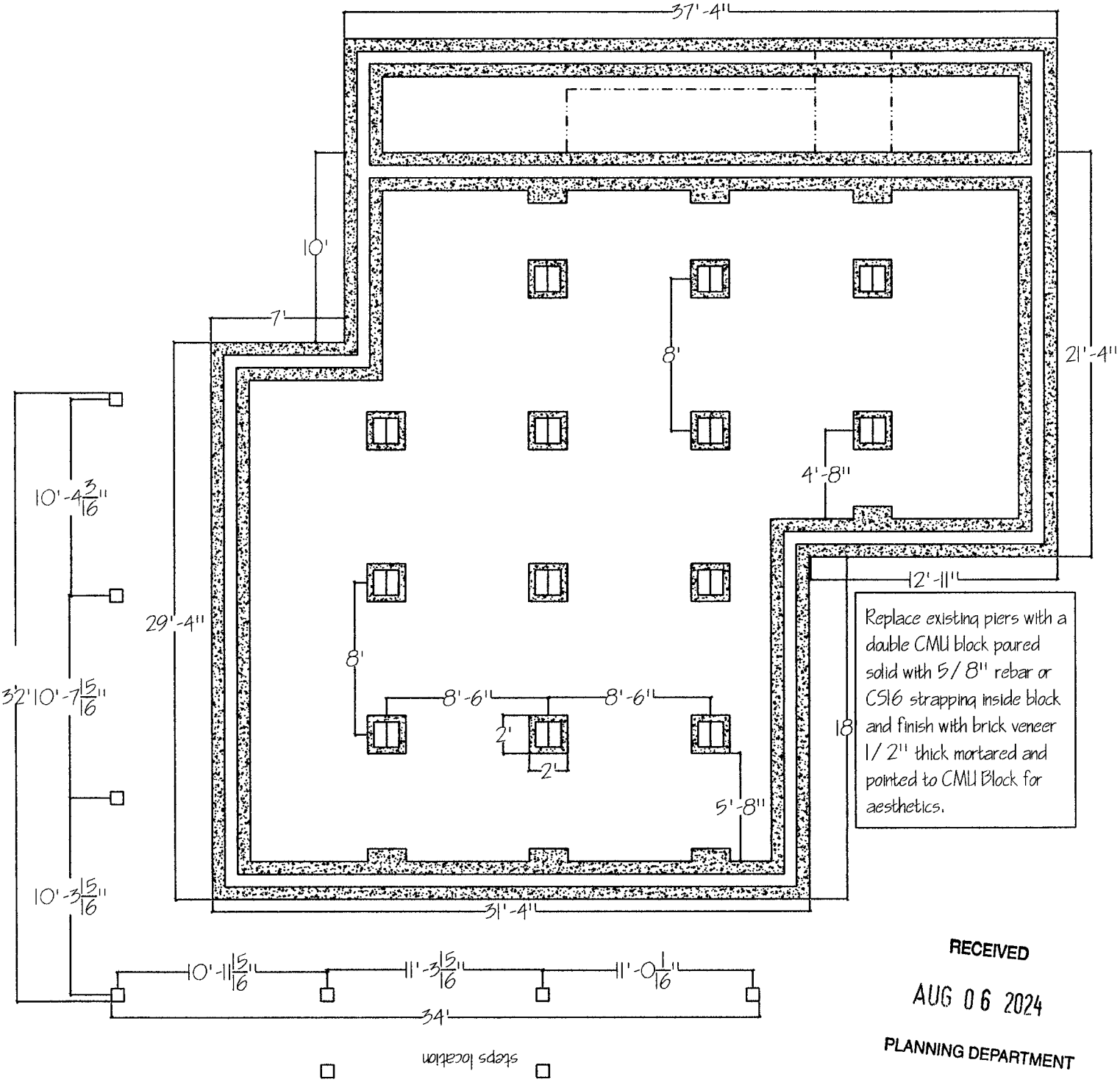
PLANNING DEPARTMENT



THIS WINDOW
REPLACES
DOOR

420 Church St
PIN# R050405-0350002-000



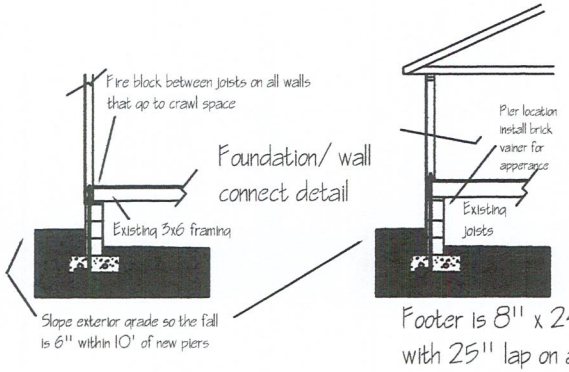


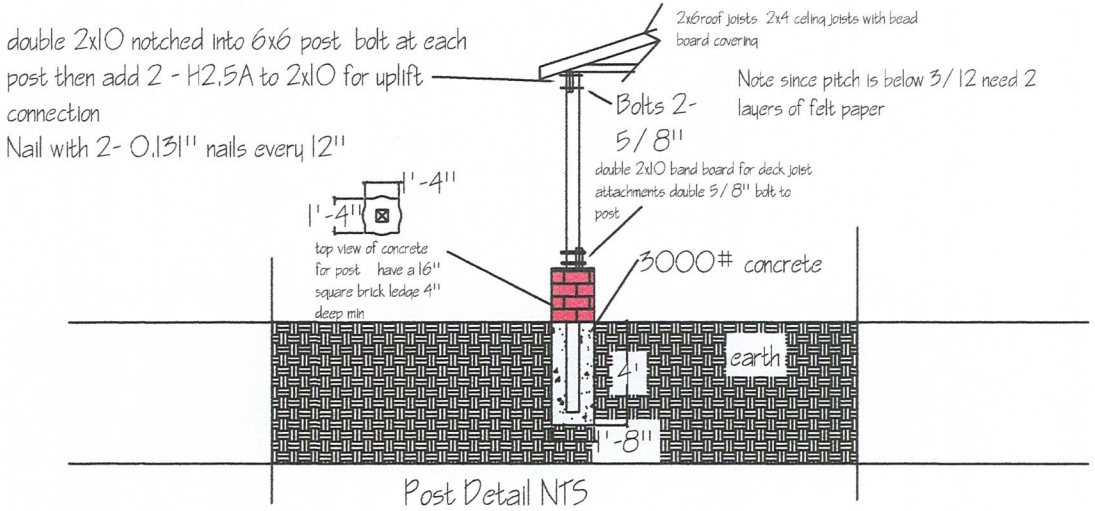
Replace existing piers with a double CMU block poured solid with 5/8" rebar or CS16 strapping inside block and finish with brick veneer 1/2" thick mortared and pointed to CMU Block for aesthetics.

420 Church St

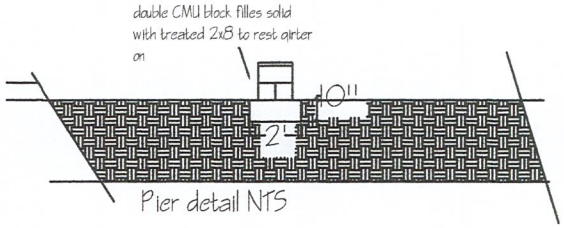
PIN# R050405-0350002-000

0 1 2 3 4 5 10' 20' 30'





Post Detail NTS

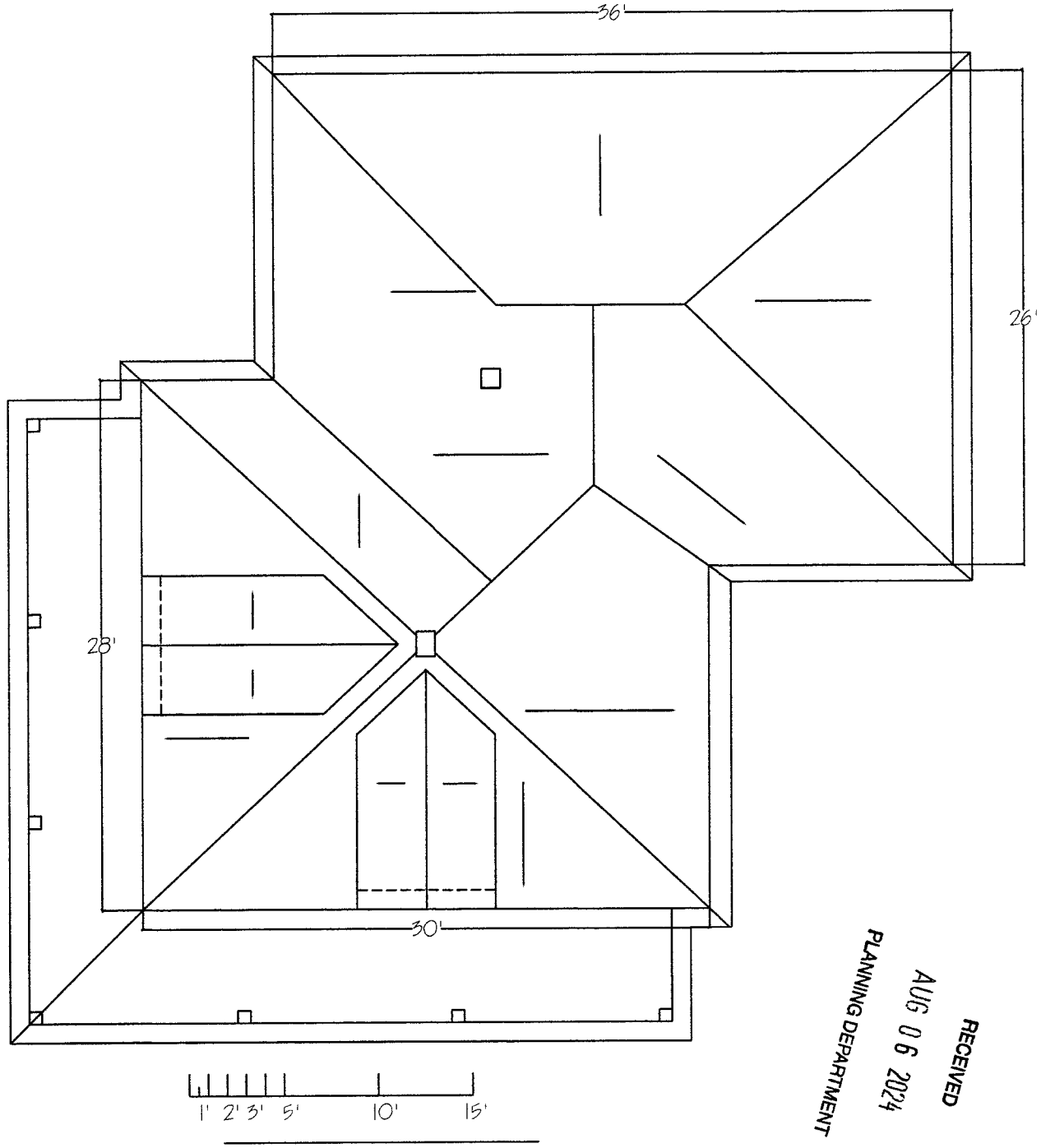


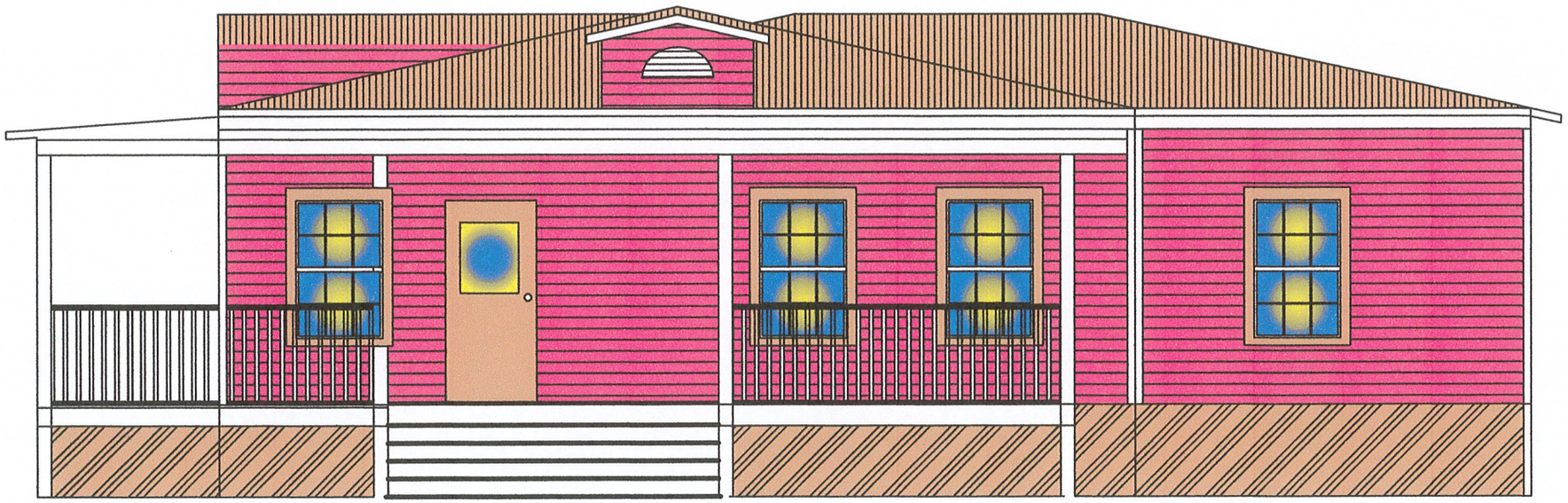
Pier detail NTS

Footer is 8" x 24" with 2 #5 rebars on chairs with 25" lap on all joints Below Grade Min 3000 PSI concrete. 5/8" - "J" bolt hooked to rebar CMU grouted solid at location. "J" locations are at each existing pier location. option use CS16 into footer then over Beam at edge. Verify that the house sites on treated lumber to isolate the concrete to existing wood beam. Attach Roof to wall framing with 2- H2.5 Simpson style Clips to resist up lift. Verify that the uplift load path is all the way to the footer. All reconstruction is to NC residential code, If necessary consult historic society for visual appearance.

420 Church St

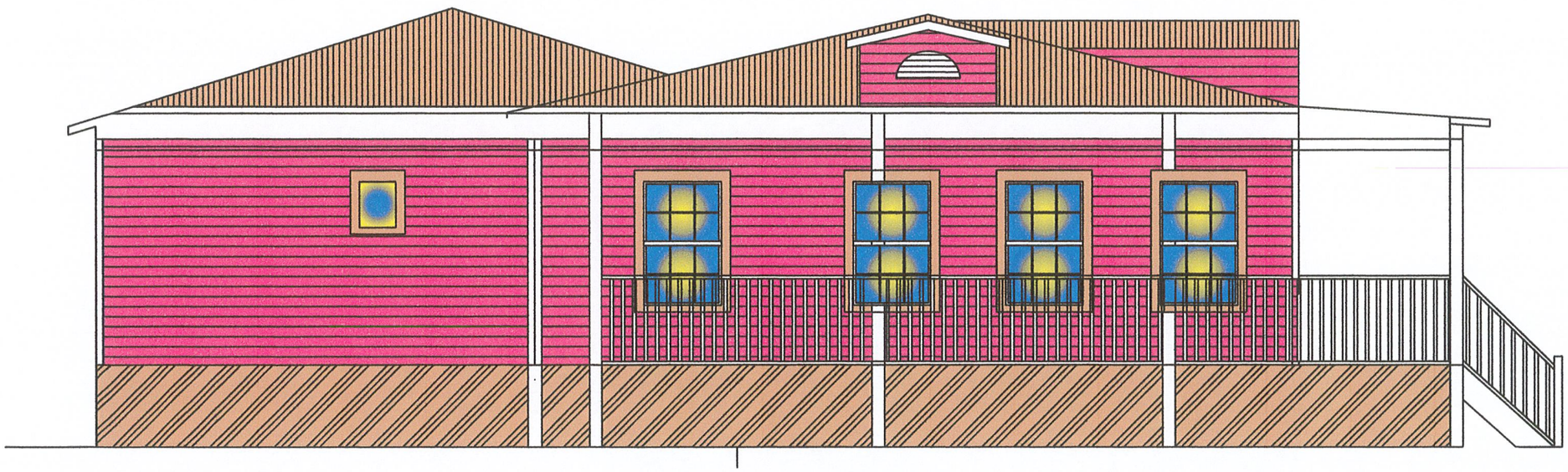
PIN# R050405-0350002-000



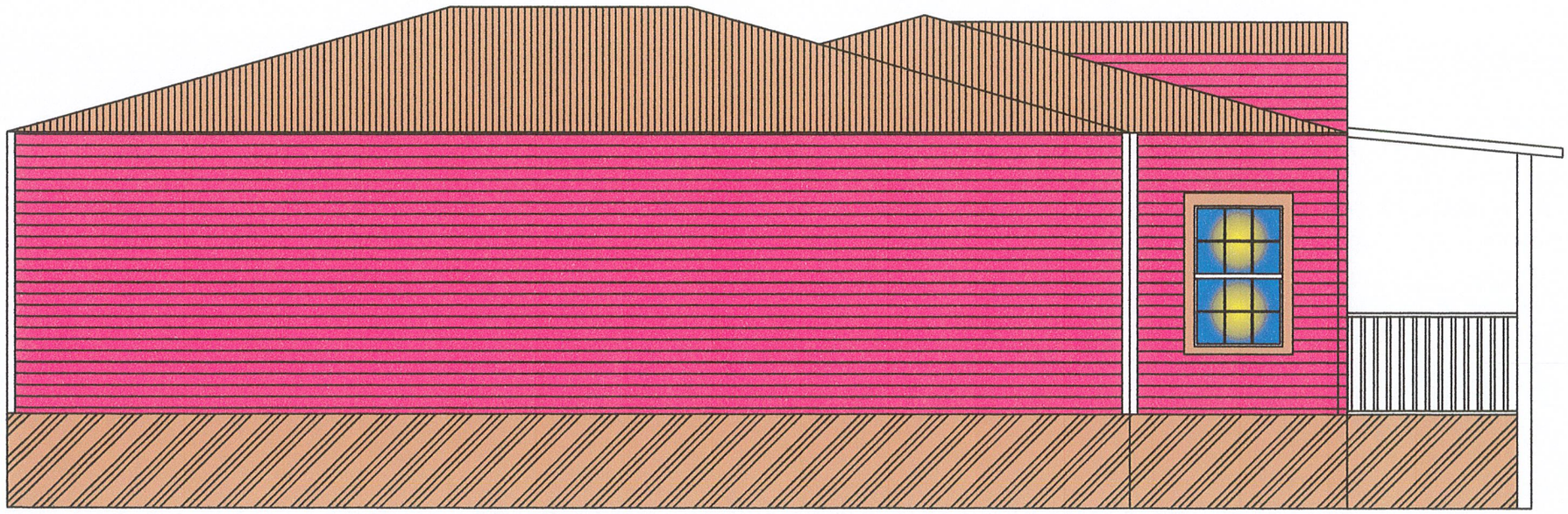


Front Steps

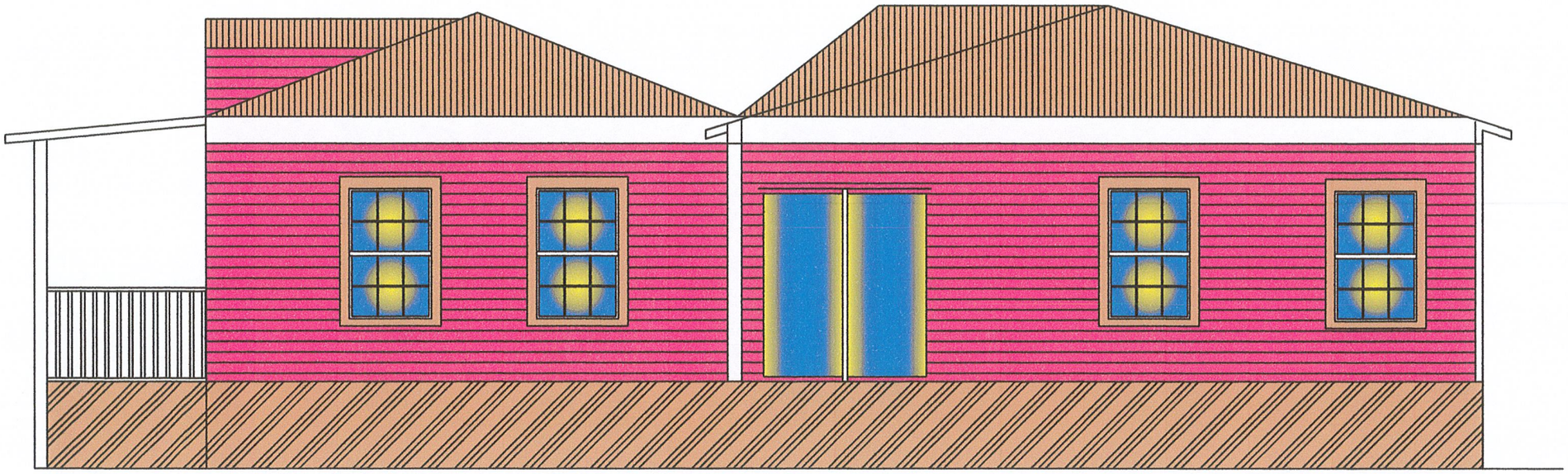
Front View less porch rail



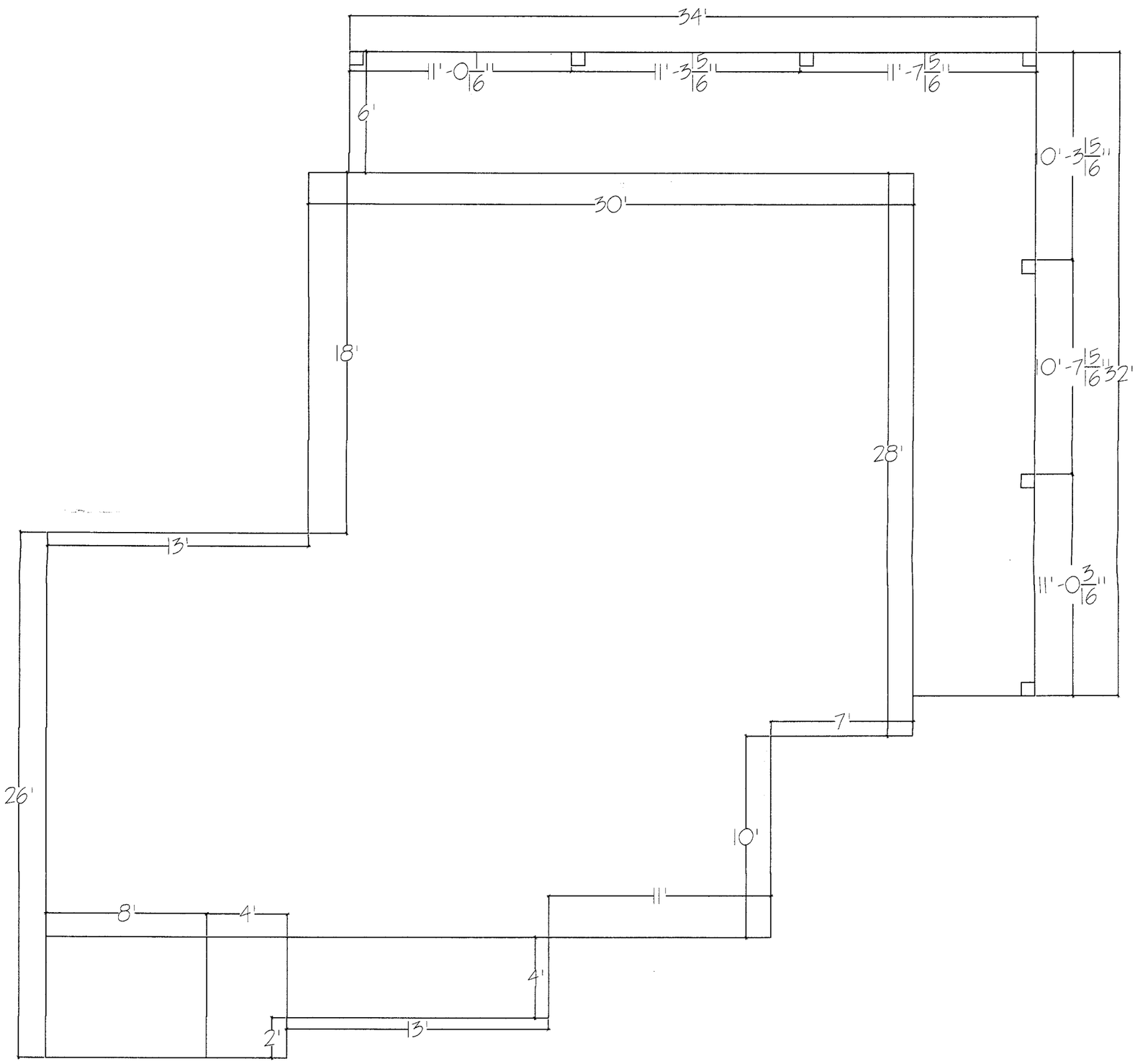
Left side no Porch Rail

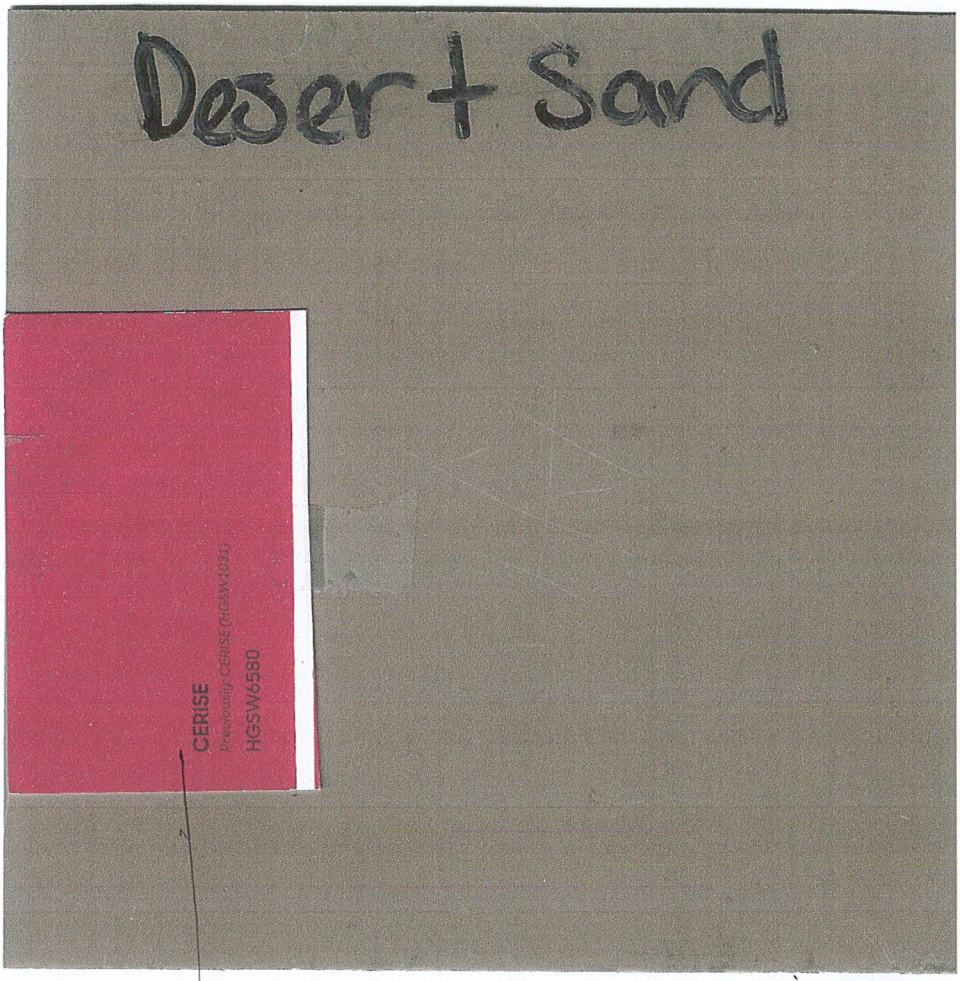


Rear View



Right side





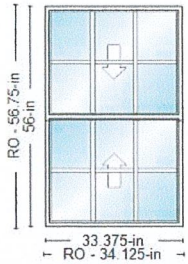
Roof color
Metal

Hardie Color

Lowe's Custom Order Quote

Quote # 209027696
Quote Name: wood windoows
Date Printed: 7/27/2024

Customer:	SUSAN BOONE	**Store:**	(445) LOWE'S OF UNIVERSITY CENTRE, NC	**Item Total:**	11
Email:		**Associate:**	STEVE BARTLEY (7151)	**PreSavings Total:**	$15,558.62
Address:	413 ANDERSON ST WILMINGTON, NC 28401	**Address:**	354 SOUTH COLLEGE RD. WILMINGTON, NC 28403-1632	**Freight Total:**	$0.00
				Labor Total:	$0.00
				Pre-Tax Total:	$13,224.86
Phone:	(954) 600-1999	**Phone:**	(910) 395-8433	**Savings Total:**	($2,333.76)



JELD-WEN 33.375-in x 56-in Wood W-5500
Double Hung
Room Location: Not Specified

Product Warranty

Line #	Item Summary	Production Time	Was Price	Now Price	Quantity	Total Savings	Pre-Tax Total
100-1	JELD-WEN 33.375-in x 56-in Wood W-5500 Double Hung	28 days	$1,414.42	$1,202.26	11	($2,333.76)	$13,224.86

Valid thru: 07/31/2024

RECEIVED
AUG 06 2024
PLANNING DEPARTMENT

Begin Line 100 Description

---- Line 100-1 ----

JELD-WEN Wood W-5500 Double Hung
Assembly = Full Unit
Energy Efficiency = Energy Star South-Central
Exterior Trim Type = No Exterior Trim
Exterior Trim Options = No
Regional Compliance = US National-WDMA/ASTM
Impact Unit? = Not Impact
Upper Sash Options = Standard Double Hung
Vent Division = Even Divide
Order By = Frame Size
Frame Width = 33 3/8
Frame Height = 56
Exterior Trim Width = 2.625
Exterior Trim Height = 2.1875

Species = Auralast Pine
Interior Finish Type = Natural
Finish - Interior = Natural
Finish - Exterior = Natural Pine
Sash to Match Exterior Finish = Yes
Finish - Sash (Exterior) = Natural Pine
STC / OITC Rating = Standard
Glazing = Insulated
Glass Energy Options = SunResist with HeatSave
Glass Color = SunResist with HeatSave
Glass Type = Annealed
Neat Glass = No
Glass Thickness = Standard Default Thickness
Protective Film = Protective Film
Spacer Color = Silver Spacer
Glass Options = Argon
Glazing Stop Style = Traditional
Type of Grille = SDL W/Permantly Applied Interior Wood Grille
Grid Type = 7/8-in Putty SDL w/Perm Wood
Interior Bar Profile = Traditional Bead Bar
Location for Grid = All Lite(s)
Grid/Shadow Bar Finish = Light Bronze Shadow Bar
SDL Finish = Natural Pine
Grid Pattern = Colonial
Lites Wide - Top = 3
Lites Wide - Bottom = 3
Lites High - Top = 2
Lites High - Bottom = 2
Sash Limiter = No Sash Limiter
Rating = PG 35
Sill Nosing = No Sill Nosing
Prep for Stool = No
Hardware Finish - Interior = Chestnut Bronze
Number of Locks = 1
Storm Screen/Combo = No Combo
Screen Options = No Screen
Jamb Width = 4 9/16
Certification = None
Bottom Rail Option = Standard
Radius Top Rail = None
Jambliner = Tan Jambliner
Concealed Jambliner = Yes

Is This a Remake = No
Room Location = Not Specified
Clear Opening Dimensions = 29 5/8 -in w
24 7/16 -in h
5.03sf
U-Factor = 0.25
Solar Heat Gain Coefficient = 0.18
Visible Light Transmittance = 0.41
Condensation Resistance = 49
CPD# = JEL-N-885-01837-00001
Energy Star Qualified = North-Central; South-Central; Southern
SOS = 937072
SOS Description = WTS JW W5500 Window
Delivery Method = In-Store Pick-Up
Production Time (Does not include transit time) = 28 Days
Customer Service Number = 1-800-825-0706
Option 2
Of Measure = EA
Vendor ID = 24221
Manufacturer = JELD-WEN
Rantoul(IL)
Catalog Version Date = 06/05/2024
Catalog Version = 24.2.14.2

End Line 100 Description

Accepted by: _____ **Date:** 7/27/2024

Pre-Tax Total	$13,224.86

This quote is an estimate only and valid for 30 days on all regularly priced items. For promotional items please refer to the dates listed above. This estimate does not include tax or delivery charges. Estimated arrival will be determined at the time of purchase. All of the above quantities, dimensions, specifications and accessories have been verified and accepted by the customer.

****** Special order configured products returned or canceled after 72 hours from purchase are subject to a 20% restocking fee. ******

ÆRATIS

Performance Characteristics

Aeratis Legacy Testing Data

Performance Characteristic		ASTM Method		Results
Flame Spread		ASTM E84		Meets W.U.I. Requirements
ADA Slip Test		ASTM F1679		.82 dry/.72 wet
Coefficient of Expansion		ASTM D696		1.91 x 10-5 in/in/°F (-120F - 200F)
Compression Parallel		ASTM D198		2605 psi
Shear		ASTM 143		4939 psi
Screw Withdrawal		ASTM D1761		806 lbs
Decay Resistance		ASTM D1413		No Decay
Termite Resistance		ASTM D3345		10 - Highest Rating
Weatherability - 2000 hours		ASTM D2565		95% of Baseline MOR
50 Cycle Freeze Thaw		AC 174		98% of Baseline MOR
Water Absorption		ASTM 570		1.12%
Modulus of Rupture		ASTM D6109		16" O.C. - 4149
Modulus of Elasticity		ASTM D6109		16" O.C. - 572,000
Freeze-Thaw Resitance		ASTM D7032/D6109		Change < 10% Pass

Aeratis Heritage Testing Data

Performance Characteristic		ASTM Method		Results
Flame Spread		ASTM E84		Class B or better
ADA Slip Test		ASTM F1679		.82 dry/.72 wet
Coefficient of Expansion		ASTM D696		1.91 x 10-5 in/in/°F
Compression Parallel		ASTM D198		2605 psi
Shear		ASTM 143		2939 psi
Screw Withdrawal		ASTM D1761		806 lbs
Decay Resistance		ASTM D1413		No Decay
Termite Resistance		ASTM D3345		10 - Highest Rating
Weatherability - 2000 hours		ASTM D2565		91% of Baseline MOR
50 Cycle Freeze Thaw		AC 174		93% of Baseline MOR
Water Absorption		ASTM 570		1.21%
Modulus of Rupture		ASTM D6109		16" O.C. - 3,000
Modulus of Elasticity		ASTM D6109		16" O.C. - 370,000
Freeze-Thaw Resitance		ASTM D7032/D6109		Change < 10% Pass

Aeratis Traditions Testing Data

Performance Characteristic		ASTM Method		Results
Flame Spread		ASTM E84		Class B or better
Coefficient of Expansion		ASTM D696		1.91 x 10-5 in/in/°F
Compression Parallel		ASTM D198		2605 psi
Shear		ASTM 143		2939 psi
Screw Withdrawal		ASTM D1761		806 lbs
Decay Resistance		ASTM D1413		No Decay
Termite Resistance		ASTM D3345		10 - Highest Rating
Water Absorption		ASTM 570		1.21%
Modulus of Rupture		ASTM D6109		16" O.C. - 2300
Modulus of Elasticity		ASTM D6109		16"O.C. - 362,000
Freeze-Thaw Resitance		ASTM D7032/D6109		Change < 10% Pass

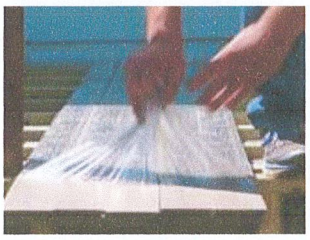
ÆRATIS

Aeratis T&G Installation Guide

AERATIS INSTALLATION INSTRUCTIONS

Aeratis Products must be installed in accordance with installation instructions to qualify for, and maintain the product warranty. These recommendations and requirements are in no way meant to supersede local or national building codes. Before installing, check all applicable building codes. For videos and other resources, please visit the Aeratis website(www.aeratis.com).

AERATIS PROTECTIVE FILM AND PRODUCT INSPECTION

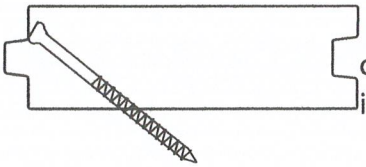


In an effort to effectively communicate with end users, each board of Aeratis is shipped with a protective/ installation reminder film. Notice that all Aeratis porch boards are double-sided. Make sure to read and remove the film PRIOR TO INSTALLATION. Make sure to inspect each Aeratis board prior to installation. If the board is damaged on one side, simply flip the board over and use the other side. If the board is damaged on both sides, please set the board aside for replacement. The installation of a damaged board is not covered under the Aeratis Warranty.

GENERAL INFORMATION AND ACCLIMATION

Aeratis products may be installed on either covered or uncovered porch applications. For best results, pay close attention to the slope and ventilation suggestions as this can help limit standing water and extend the life of your joists system.

Store Aeratis porch flooring in the environment in which the product is going to be installed for a minimum of 24 hours prior to installation. Make sure the boards are supported, at a minimum, every 24" during storage. It is best practice to remove the protective film and inspect each board at this stage of your project. (NEVER leave the protective film exposed to light and UV longer than 24 hours as in certain conditions this can potentially cause some discoloration.)



It is best practice to use a KDAT (Kiln Dried After Treating) joists or provide ample amount of drying time for the joists prior to installation. It is common for treated wood to be delivered moist or even wet. As these joists dry, they may shrink. This issue can manifest itself in the visual appearance of the porch floor in the form of gapping. To reduce the risk of shrinking or unsightly joints appearing where the boards meet, it is best practice to lay all of the Aeratis boards out on your structure, or flat surface, and allow them to reach an ambient temperature, in addition to using dried wood joists.

TOOLS

For cutting and ripping Aeratis products, you can use a standard miter saw, circular saw, jigsaw or table saw with carbide saw blades (make sure the blade is sharp). A standard router and router bits may also be used. The best method of installing Aeratis is by using a pneumatic flooring nailer. This can be purchased or rented at a local rental center. You will need a screw gun and the correct bit for the screws selected to be used on the starter, finishing and potentially, for the boards that are over the ledger board next to the house. **Please note: you cannot use a hand help finish nailer to install Aeratis, this will void the warranty.**

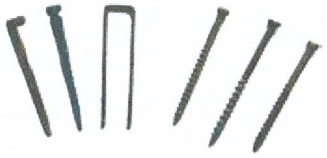
ÆRATIS

Aeratis T&G Installation Guide

FASTENERS

While no specific brand of fastener is **required**, we recommend stainless-steel as the best-practice choice in all installations. Also, when it comes to the size screw, we recommend the #7 over the #8. This provides a greater margin of error for the installer. However, we do recommend the use of a pneumatic nailer over the screws. The pneumatic nail guns are more consistent and help create a much better installation than screws. This is because of the variation of agle that can come with human error when using screws to install.

- GRK #7 or #8 x 2" stainless-steel trim-head screws (Pheinox™ RT Composite™) or the GRK #7 or #8 x 2" Climatek coated Trim™ Head (uses T-10 starhead bit)
- Simpson Strong Tie type 305 Stainless-steel (Trim-head Decking Screw 305 or 316 #6, 7, or 8).
- Pneumatic flooring nailer with T or L barbed cleat nails (best practice to use a construction adhesive if you are using a pneumatic nailer) 2" stainless-steel is best practice.
- **Pneumatic flooring stapler with 2" 15 or 18-gauge 1/2" crown stainless-steel flooring staples with construction adhesive is the #1 recommended fastening method to install Aeratis T&G products.**
- Finish nails installed by hand or by hand nailer **CANNOT** be used when installing Aeratis porch boards. This will void the warranty.



Please note, you cannot use a hand-held pneumatic stapler, framing gun or finish nailer. Aeratis is too dense and the nails may not penetrate the material, nor does it have the holding power needed for exterior flooring. Also, FINISH NAILS are **not acceptable** fastener and the use of finish nails will void the warranty. In addition, all boards are 1" longer than stated and must be squared on the jobsite.

PREPARATION

Aeratis recommends leaving a 1/4" gap where the product meets any wall, column, or vertical surface. Leaving this gap will allow spacing for the porch/home to settle or move with the changing of temperature and weather. When Aeratis porch flooring is fastened to a wood joists it should be installed in a well-ventilated application creating continuous airflow around the joists. FAILURE TO DO SO CAN ACCELERATE THE DECAY OF YOUR WOOD Joists. If your installation is a waterproof install, make sure you completely seal up any gaps where your Aeratis boards meet structures using a clear 100% silicone product.

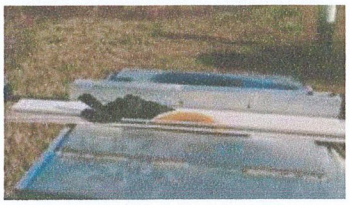
Aeratis porch flooring must be properly supported with structural blocking and framing under columns or structural supports to prevent sagging and possible structural failure over time. Also, make sure all joists are flush with one another and are continuously sloped away from the main structure. If one joists is higher or lower than the others, it may be reflected in the porch surface. Please note: most joists can crown after installation. Many of these joists can crown 1/8 of an inch. If he proper slope is not observed, it can result in a level surface with ponding water.

Install Aeratis porch flooring on joists no greater than 16" on center (10" on center for stair applications). it is highly recommended to install Aeratis perpendicular to the main structure. This will help promote water runoff away from the structure and reduce ponding or puddling. If you are looking to make your installation

ÆRATIS

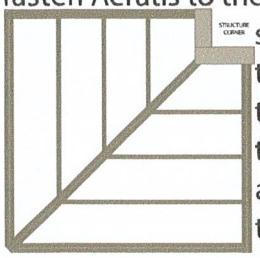
Aeratis T&G Installation Guide

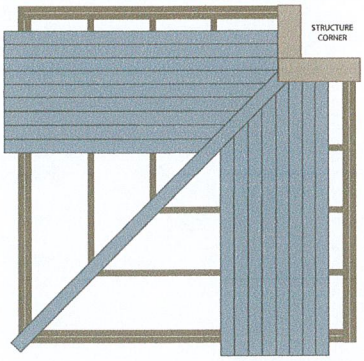
waterproof, you are **required** to run the Aeratis boards perpendicular to the structure (Boards should not be installed parallel to the structure on a waterproof installation). It is best practice to slope Aeratis 1/4" per foot away from the structure to maintain continuous drainage away from the main structure.



INSTALLATION

Square your first board to the house and fasten into place (you may want to consider ripping the groove off of this first board if it is going to be exposed). If you are using screws to fasten Aeratis to the joists, insert the screw just above the tongue at a 45° angle or less and counter sink the screw a minimum of 1/16" into the material. NOTE: If the tongue cracks, you are putting too much pressure on the tongue and you should reduce the angle of your screw. Take the next Aeratis plank, line up the groove to the tongue and slide it into place. Make sure the boards are completely snug together and the bottom surface is flush with the joists and then fasten it to the joists. Also, your fastener must be completely counter sunk into the material. The tongue and groove must be completely clear of all debris for each board to go together completely. It is best practice to leave an overhang between 2" to 2-1/2" beyond the rim joists.



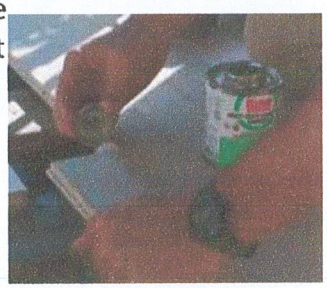


CORNER APPLICATIONS

It is recommended that you run one or two Aeratis boards from the corner of the house off the edge of the porch, then butt all other boards to the angled board. it is best to secure this board at an angle every 12 inches on both sides of the board. Securing just one side of the "breaker board" is not acceptable. Additional framing may be needed in wrap-around applications.

TRIM

Attach the desired Aeratis trim pieces using Aeratis approved PVC GLUE and a trim head screw every two feet. It is always best practice to allow your trim pieces and Universal Porch Plank (UPP), if used, to be in direct sunlight, uncovered and un-stacked and in direct sun for 24 to 48 hours prior to cutting and installing. Trim pieces should be installed with 2" #7 trim head screws and PVC glue. Make sure NOT to get any glue on the surface of the trim boards. Aeratis trim pieces should not be installed using a trim nail or finish nail.



MITER JOINTS AND BUTT JOINTS

Secure miter joints and butt joints with screws, and only use an Aeratis approved HOT PVC GLUE. This will help reduce the possibility of gapping in the event of settling, or changes over time, in the framing structure. Face screws can be avoided if glue is used and two trim head screws are used at the joint at a 45° degree angle, pulling the two boards together. You must glue the board with the butt-joint to the adjacent boards on either side of the butt-joint. If possible, it is better to change the direction of the boards using a sleeper system on top of the framing rather than install with butt-joints. Gapping at a butt-joint is not covered under the Aeratis warranty.

ÆRATIS

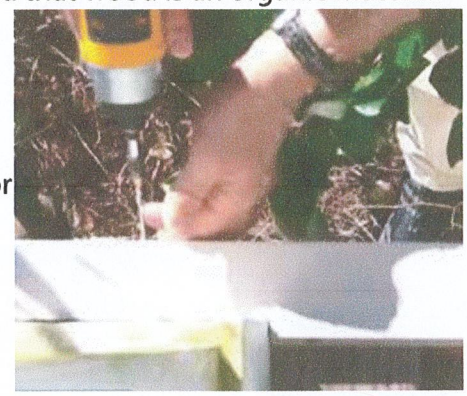
Aeratis T&G Installation Guide

PARALLEL VS PERPENDICULAR

It is always best practice to make sure your Aeratis boards are run perpendicular to the structure (make sure the boards are running the same direction as the desired direction of runoff water.) If you are running the boards parallel, you will want to make sure that you pay close attention to the acclimation and butt-joint video at **https://www.aeratis.com/installation_videos**. If you are installing Aeratis parallel to the structure, you are **required** to glue on all butt joints with an Aeratis approved PVC glue. PLEASE VISIT BUTT JOINT INSTALLATION VIDEO AT **https://www.aeratis.com/installation_videos** . Make sure you order the PVC glue at the same time you order your Aeratis boards. Make a special note: YOU WILL HAVE TO SQUARE THE ENDS OF EACH BOARD BEFORE INSTALLING IN AN APPLICATION USING BUTT JOINTS. Failure to address butt joints properly can result in gapping and **will void your Aeratis warranty**. If you have questions about the right way to secure a butt joint, see additional information at www.aeratis.com.

VENTILATION

It is best practice to ventilate your wooden faming structure. Keep in mind that wood is an organic material and is subject to deterioration under overly wet or dry conditions. If your joists are kept too wet or moist, the holding power of the fasteners could be compromised. If the wood is kept too dry, dry-rot can occur and your fasteners can fail. Aeratis does not require ventilation to maintain the warranty, however, pay close attention to the ventilation requirements for the products used as the substrate.



STARTING AND ENDING BOARDS

If a picture frame boards or a trim pieces are not going to be utilized to cover the end boards, the first and last board will need to be modified if you don't want the tongue and groove to be visible. This can be done by ripping the tongue off the last board and the groove off of the first board. Use #7 2" screws to fasten these boards securely to the joists.

PICTURE FRAMING

It is recommended to only use Aeratis UPP for picture-frame installations. It is recommended to secure the framing to support the picture-framing first. Then install the Aeratis T&G boards using a recommended installation method. While the T&G boards are being installed, it is required to remove the protective film from the UPP boards and store them in direct sunlight unstacked for 48 hours minimum. If you can put them on a dark surface such as a roof or an asphalt drive-way it would be best. Once the picture-frame boards have been acclimated in direct sun, follow miter and butt-joint installation instructions above.

INSTALLATION QUESTIONS

If you have any questions as to whether or not your specific application will be warrantied, you can fill out our pre-installation warranty on the Aeratis website at www.aeratis.com. If your installation is not pre-approved, a member of our staff will contact you with suggestions on how to modify your install so it is completely warrantied. As always, additional information is available at www.aeratis.com.

ÆRATIS

Aeratis T&G Installation Guide

LOW-E-GLASS ADVISORY

Please note: For uncovered porch projects with multiple low-e-glass window we offering the following recommendations. These recommendations are not to supersede your local or any national building code requirements.

In many cases across the US synthetic manufactures will void the warranty of any synthetics installed near or in the path of direct reflection from low-e glass. Aeratis is offering a strong suggestion for installations that have a high concentration of sunlight reflection directly onto the porch floor. Please keep in mind, these are not requirements however, following them can help reduce the possibility of having issues caused by low-e glass.

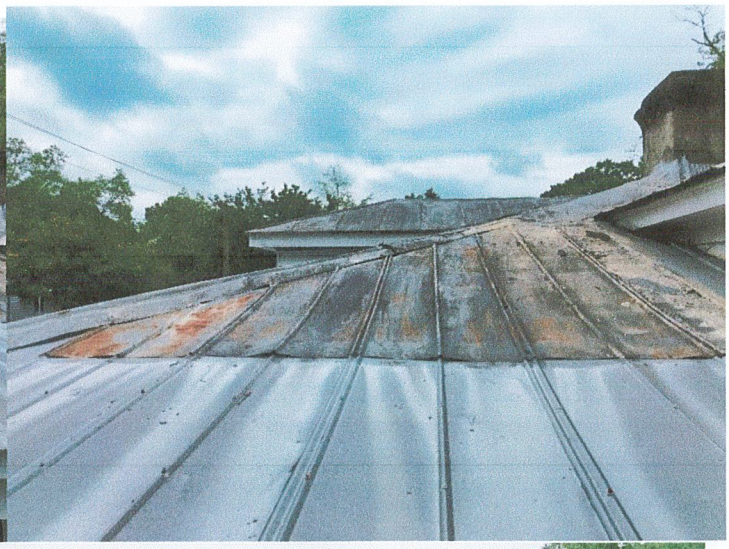
Check the project prior to installation. Note the location of the window or windows on the house adjacent to the porch. Make a special note of the direction of the windows. If the windows are southern facing, check to see if there are trees or bushes obstructing the direct path of the suns rays to the window. If there window received full sun, we recommend adding additional blocking to all joist within the first 36" from the rim joist. The reason for this is, as the sun's rays are reflecting off the low-e-glass they are intensified and redirected to the floor in many cases. This practice should be consider as best practice for all materials used adjacent to any areas of high intensity low-e-glass reflection.

Please understand, with the increased intensity of the sunlight or UV rays, this could potentially cause the area in the direct path of the UV rays to fade at a different rate than the rest of the porch.

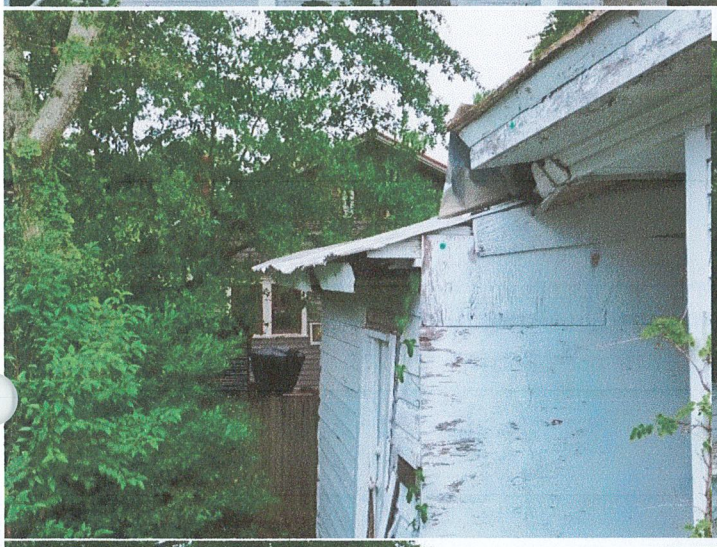
HVAC DRAINAGE ADVISORY

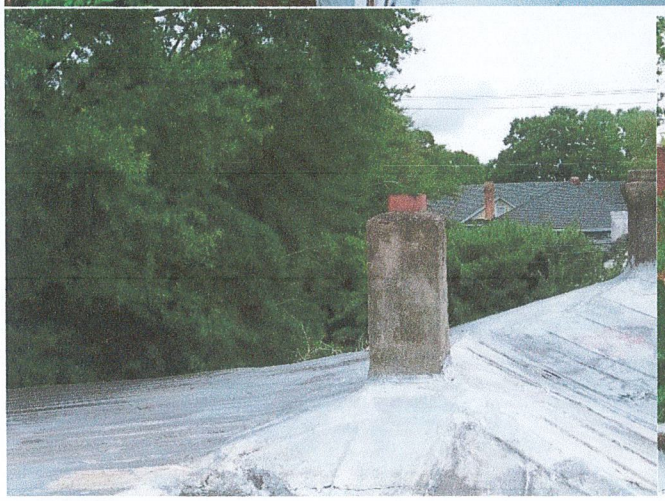
Please note: for covered and uncovered application for residential and commercial use, it is essential to make sure a HVAC drainage system is installed so HVAC units do not dischard nitrogen rich moisture onto the surface of the boards and allowed to pond or puddle. A drainage line should be installed to carry the discharged moisture through the floor and down to the ground level and disposed of in accordaace with local building codes.

420 Church Street Roof 7/26/2024

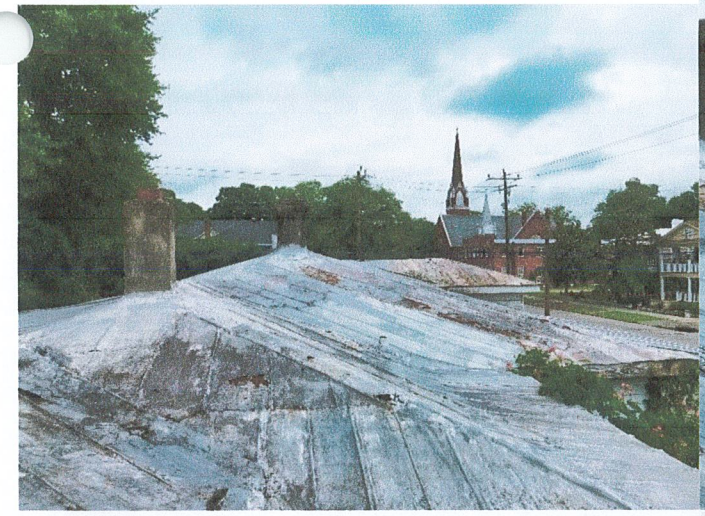


420 Church Street Roof 7/26/2024

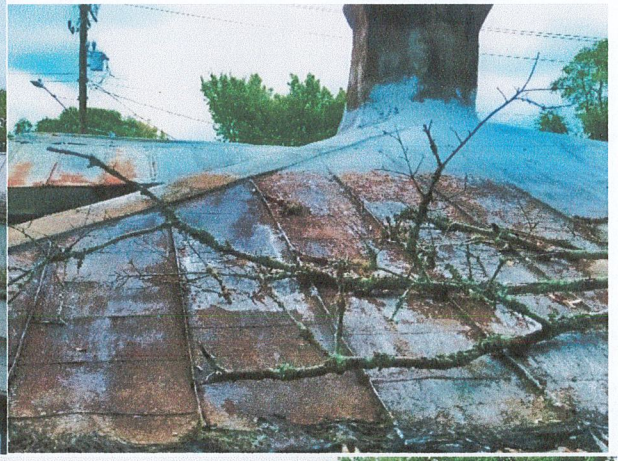




420 Church Street Roof 7/26/2024

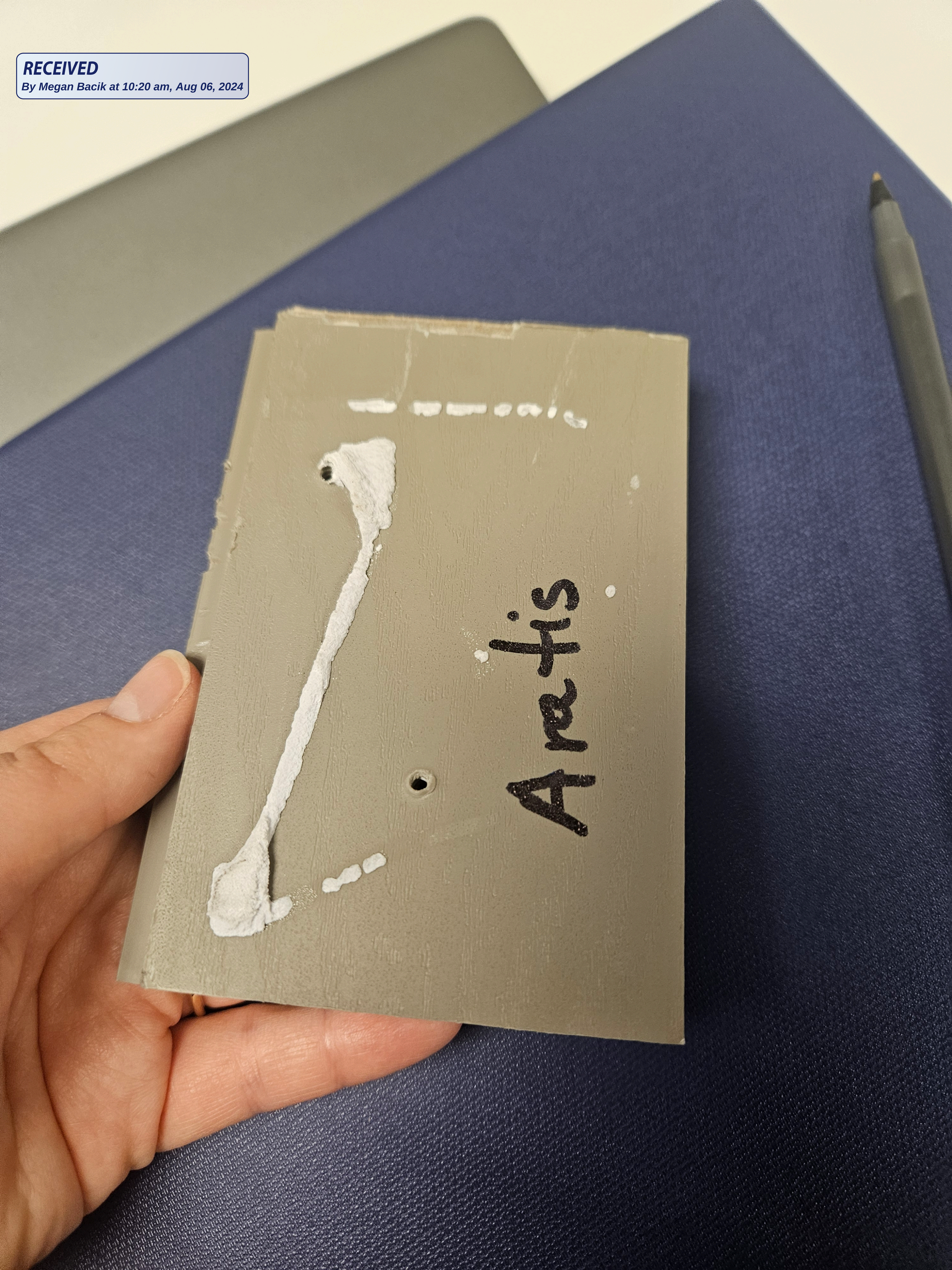


420 Church Street Roof 7/26/2024

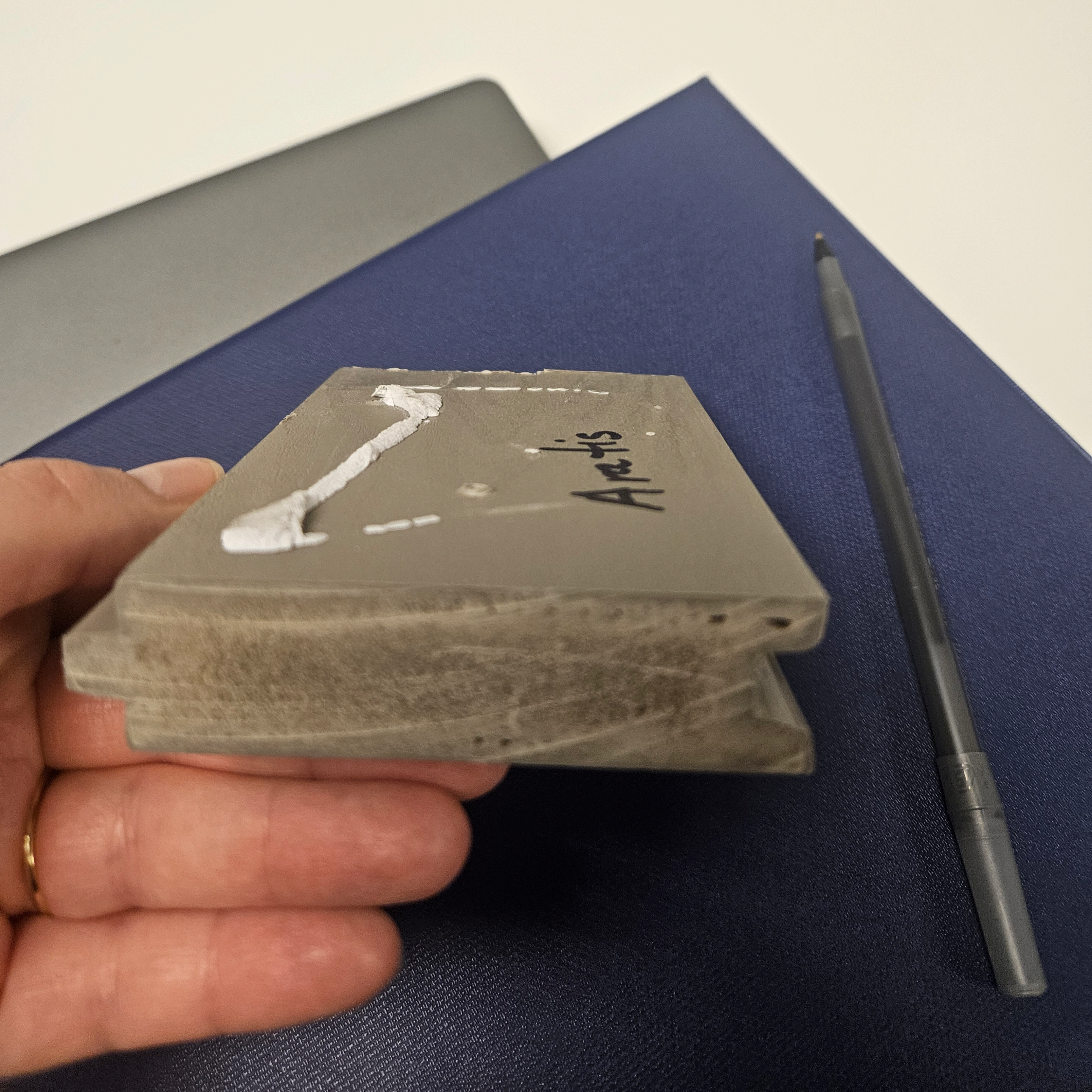


420 Church Street Roof 7/26/2024

RECEIVED
By Megan Bacik at 10:20 am, Aug 06, 2024



RECEIVED
By Megan Bacik at 10:20 am, Aug 06, 2024



RECEIVED
By Megan Bacik at 10:20 am, Aug 06, 2024

RECEIVED
By Megan Bacik at 10:20 am, Aug 06, 2024

420 Church

From: suelauffer01@aol.com (suelauffer01@aol.com)

To: miles@hms12.com

Date: Tuesday, July 23, 2024 at 12:43 PM EDT

Mil

Sue Lauffer Boone
Wild Old Women, LLC
cell-954.600.1999
SueLauffer01@aol.com

RECEIVED
AUG 06 2024
PLANNING DEPARTMENT

(No Subject)

From: suelauffer01@aol.com (suelauffer01@aol.com)

To: miles@hms12.com

Date: Tuesday, July 23, 2024 at 12:53 PM EDT