

Location: 310 S. Hanson Street
Zoning District: Tax Map 105, Grid 0EA, Parcel 2253
Request: R-10A
In-Kind Roof Replacement

3) Application Number: 2022-836
Applicant: Charles R. Martin
Location: 101 E Dover Street
Tax Map 104, Grid 0EA, Parcel 1195
Zoning District: CB
Request: HVAC

Consent Docket

Adjournment.



TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

Historic District Commission Staff Report

Meeting Date: 1/9/2023

Staff Contact: Nicholas Johnson, Planner, njohnson@eastonmd.gov

Property Address: 220 S Harrison Street

Application Number: 2022-018

Request: Renovations

Staff Recommendation: Approve ☐ Deny ☐ Table ☒

Staff Comments:

The applicant is revising their original application that was approved by the HDC on February 28, 2022. Changes include

- The removal of a proposed dormer
- A change in footprint to the proposed sunroom
- Changes to window and door layout on the rear addition
- The removal of a rear window
- Changes to the approved materials for windows, roof, and doors.

Historic District Guidelines:

Guideline 42: Make Sensitive Replacements (Doors)

c. Doors located on the front façade of historic properties are typically solid wood.

Replacement doors for front façades should be wood. Alternative materials, provided they are smooth and painted, may be used for doors located on the sides or rear of the property. See Appendix B for additional information on Substitute Materials.

d. If the location of a door to be replaced is not under a protective cover, then an alternate material may be considered for increased durability. The design must be compatible with the architectural style of the property and should mimic the appearance of the original door.

Guideline 70: Roof Material



TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

b. Where total replacement of all roofing material is required, the new roofing should match the existing material or be a roofing material that is consistent with the building's architectural style.

e. The specifications for a standing seam metal roof should be 1.5" (inches) or less for the rib seam height, the maximum panel width should be 16" (inches) or less, the panels should be flat, and the rib ends should be closed. Hip and ridge caps may be no wider than 6" (inches).

STAFF RECOMENDATION:

Staff recommends **continuing** this application for future discussion. The applicant is proposing to use a membrane roofing material instead of the originally approved metal roof. A more appropriate material should be used for the flat portion of the roof. The applicant is also proposing fiberglass doors on two of the house's frontages. These three doors appear to be covered and should continue being wooden doors as previously approved.



TOWN OF EASTON
PLANNING AND ZONING
14 SOUTH HARRISON STREET, EASTON, MD 21601

Application #:	2022-0018
Date Received:	12/27/2022
Fee Paid:	-
HDC Meeting Date:	01/09/2023
Date Property Posted:	

HISTORIC DISTRICT COMMISSION HEARING APPLICATION

APPLICATION TYPE (PLEASE CIRCLE)

ROOFING DEMOLITION SIGNAGE FENCING OTHER
NEW CONSTRUCTION/ADDITION **EXTERIOR ALTERATIONS**
FOR TREE REMOVAL(S) - PLEASE USE THE TREE REMOVAL APPLICATION

PROPERTY INFORMATION

ADDRESS **220 S. HARRISON ST.**
☒ Contributing ☐ Non-Contributing YEAR BUILT: **1920** NATIONAL REGISTAR #

PROPERTY INFORMATION

OWNER NAME **CATHERINE JOYCE**
TELEPHONE NO. **703-801-2844** EMAIL **catherine.joyce01@gmail.com**

Applicant or Agent

NAME **JAMES SEBASTIAN, ALCHEMYWORKS, INC.**
TELEPHONE NO. **410-693-9049** EMAIL **jim@alchemy-works.net**

Description of Proposal (include additional sheets, as necessary)

AMEND EXISTING HDC APPROVAL. PROPOSING DIFFERENT WINDOW BRANDS, DIFFERENT ROOF MATERIALS, DELETE DORMER, DELETE EXPANSION OF SUNROOM, DELETE SCREEN PORCH STAIRS AND LANDING, SLIGHT CHANGE TO GARGE DOOR

Specific Requirements

- The payment of fees is due at the time of application submittal.
As of July 1, 2021, the fees are as follows:
Commercial - \$200 Residential - \$75 Signs - \$75 Staff Approval \$25
- Provide 7 hard copies plus 1 digital copy of the application and all supplemental information.
- Disclose any easements or deed restrictions pertaining to the property and any improvements including the details of said easements or restrictions.
- Disclose any tax credits and or grants being considered for the project.

The Historic District Commission (HDC) reserves the right to request reasonable additional information or design drawings that further clarify proposals. In cases where professional design services are warranted, the HDC may require the applicant to retain a licensed design consultant.

If the applicant or their designee is not present for the scheduled meeting the Commission may elect to refrain from discussing and voting on the scheduled agenda item.

Any modifications during review shall warrant an updated application.

I hereby certify that I have reviewed the Easton Historic District Guidelines as published

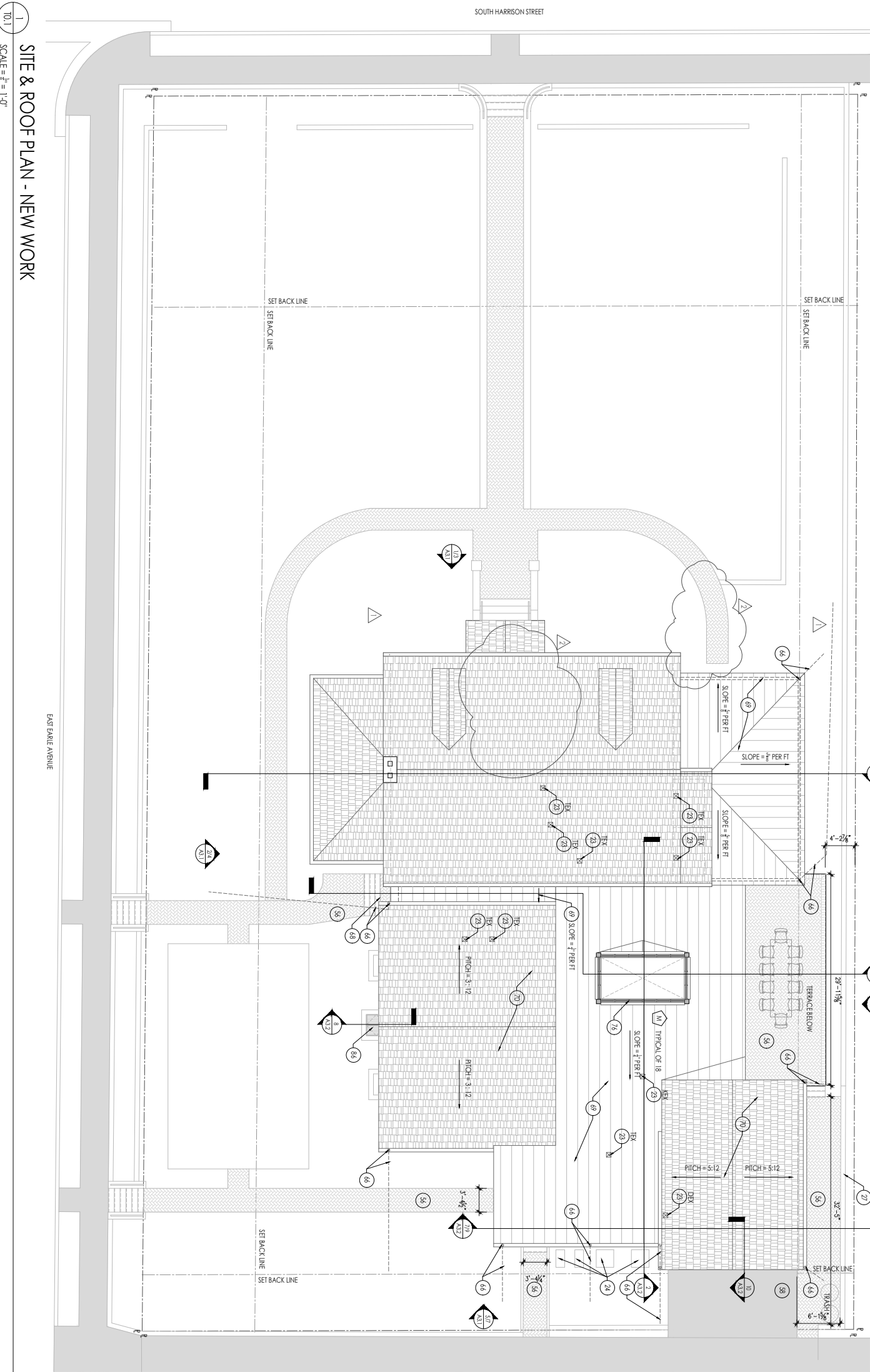
Signature of Applicant or Agent

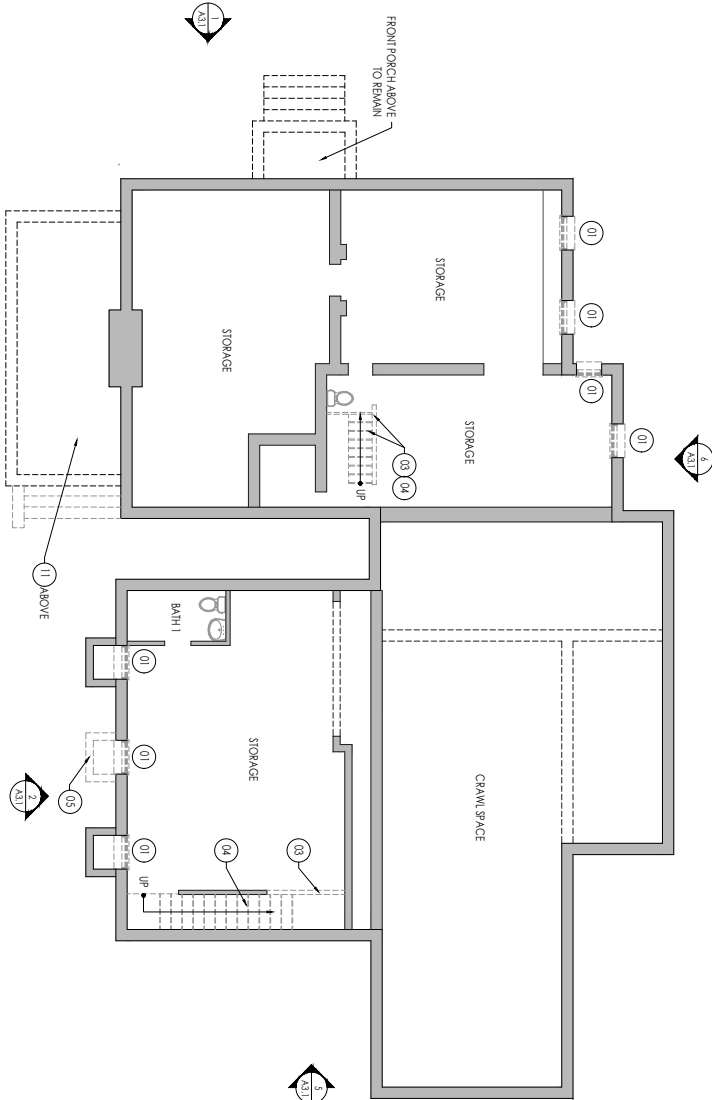
Date

Printed Name of Applicant or Agent

12-25-22	
JAMES M. SEBASTIAN, JR.	

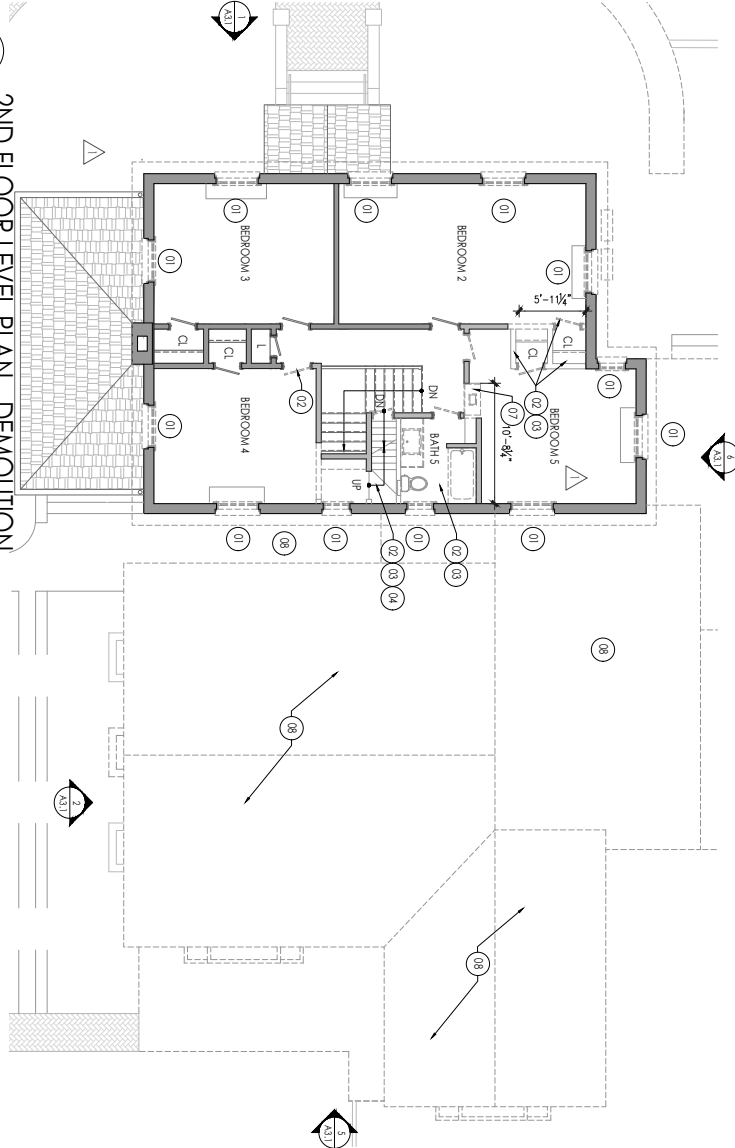
Revised 4.4.2022

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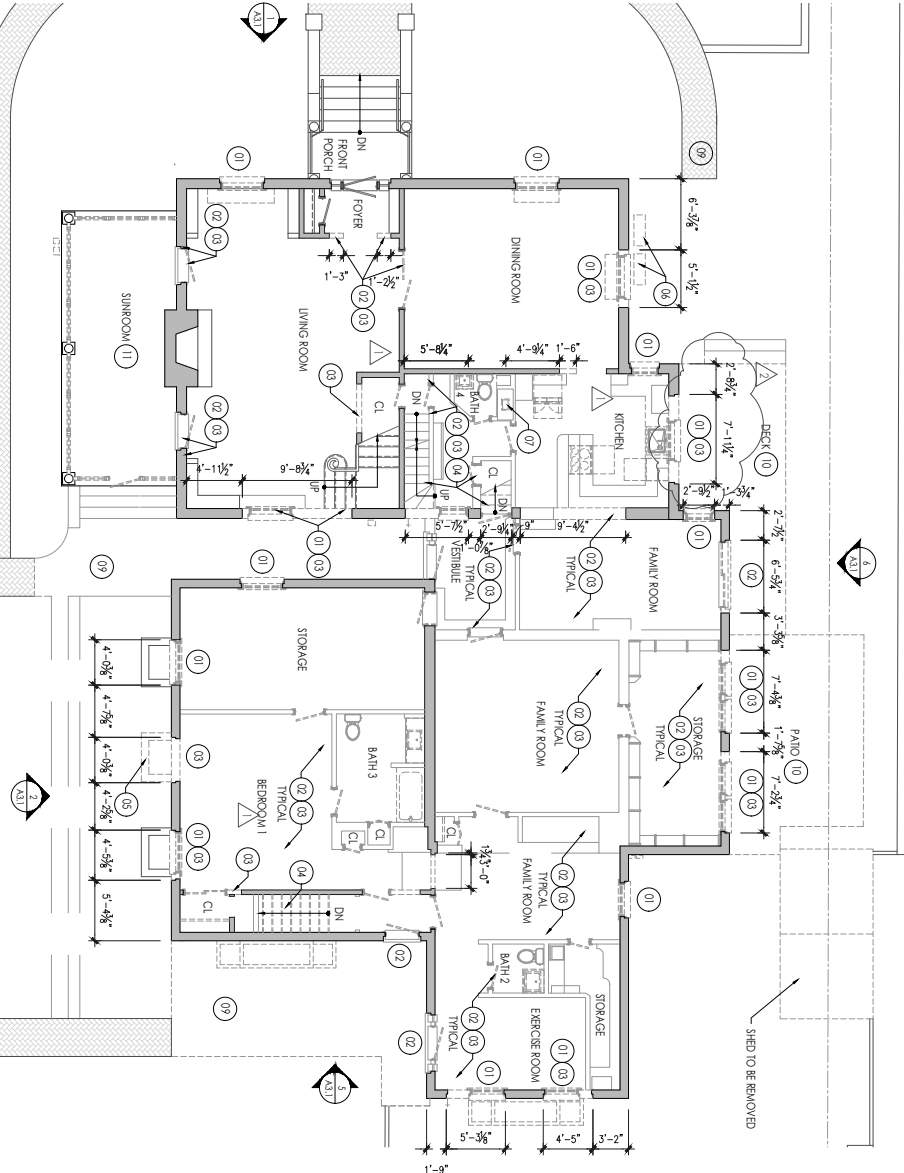
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BASEMENT LEVEL PLAN - DEMOLITION

SCALE = $\frac{1}{8}'' = 1'-0''$



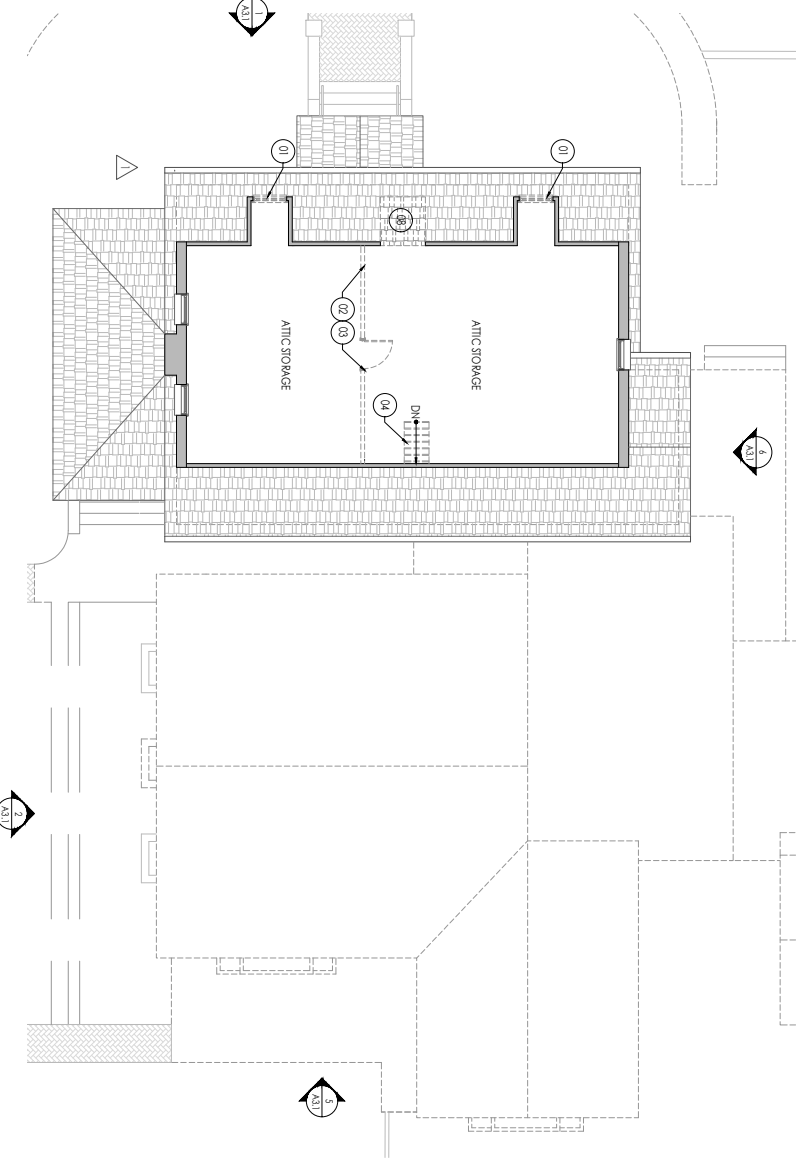
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2ND FLOOR LEVEL PLAN - DEMOLITION

SCALE = $\frac{1}{8}'' = 1'-0''$



2
1ST FLOOR LEVEL PLAN - DEMOLITION

SCALE = $\frac{1}{8}'' = 1'-0''$



4
3RD FLOOR LEVEL PLAN - DEMOLITION

SCALE = $\frac{1}{8}'' = 1'-0''$

- KEY NOTES:
- 01 WINDOW TO BE REMOVED
 - 02 DOOR TO BE REMOVED
 - 03 WALL TO BE REMOVED / ENCAULATED - FOR LOAD BEARING WALLS SEE STRUCTURAL DWGS FOR SUPPORT & PROVIDE REMOVAL BRACING/STRENGTHENING CONSTRUCTIONS AS REQD
 - 04 EXTERIOR WALLS TO BE REMOVED / REINFORCED
 - 05 AREA W/INTO BE REPLACED
 - 06 HVAC UNIT TO BE REUSED
 - 07 JOINED FLOOR TO BE REMOVED
 - 08 ROOFING & SUPPORTING STRUCTURE TO BE REMOVED
 - 09 PAVING TO BE REMOVED / RELOCATED / REMOVED
 - 10 PAINT / DECK TO BE REMOVED
 - 11 SUNROOM TO BE REMOVED
- TYPICAL DEMOLITION NOTES:
- REMOVE ALL RADONIDS
 - REMOVE ALL PLUMBING FIXTURES
 - REMOVE ALL MASONRY COUNTERS
 - REMOVE ALL APPLIANCES
 - REMOVE ALL REAR MASONRY PLANTERS
 - REMOVE ALL EXTERIOR SHUTTERS
 - SAVAGE IRONIC TO EXTENT POSSIBLE FOR REUSE

ARCHITECT: 525 north parkside street alexandria, va 22314
phone: 703.589.4550
info@conkeyarchitects.com

Conkey | architects

CLIENT:
Catherine Joyce
118 Quay Street
Alexandria, VA 22314

STRUCTURAL ENGINEER:
Baker Ingram Associates
205 East Water Street
Suite 104
Centerville, MD 21617

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NO.	DRAWING ISSUE	DATE:
1	OWNER REGISTERED REV.	7/21/2022
1	OWNER REGISTERED REV.	7/21/2022
1	ISSUED FOR PERM.	7/12/2022



PROJECT NAME:

Proposed Alterations to
220 S. Harrison Street
Easton, MD 21601

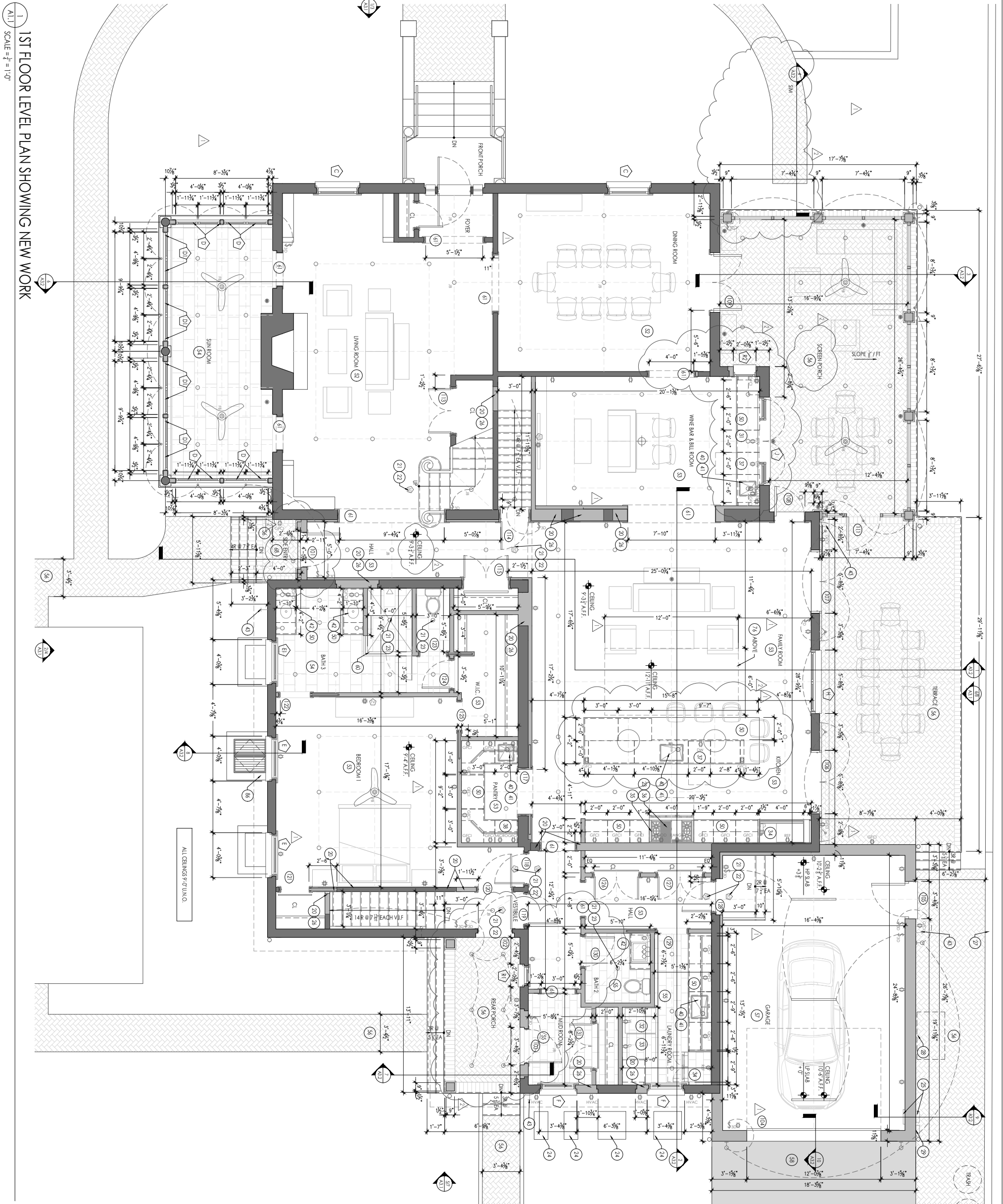
DEMOLITION PLANS

DRAWING NUMBER:

A0.1

PROJECT NUMBER: 2101.630
PLOT DATE: 15 NOVEMBER 2022

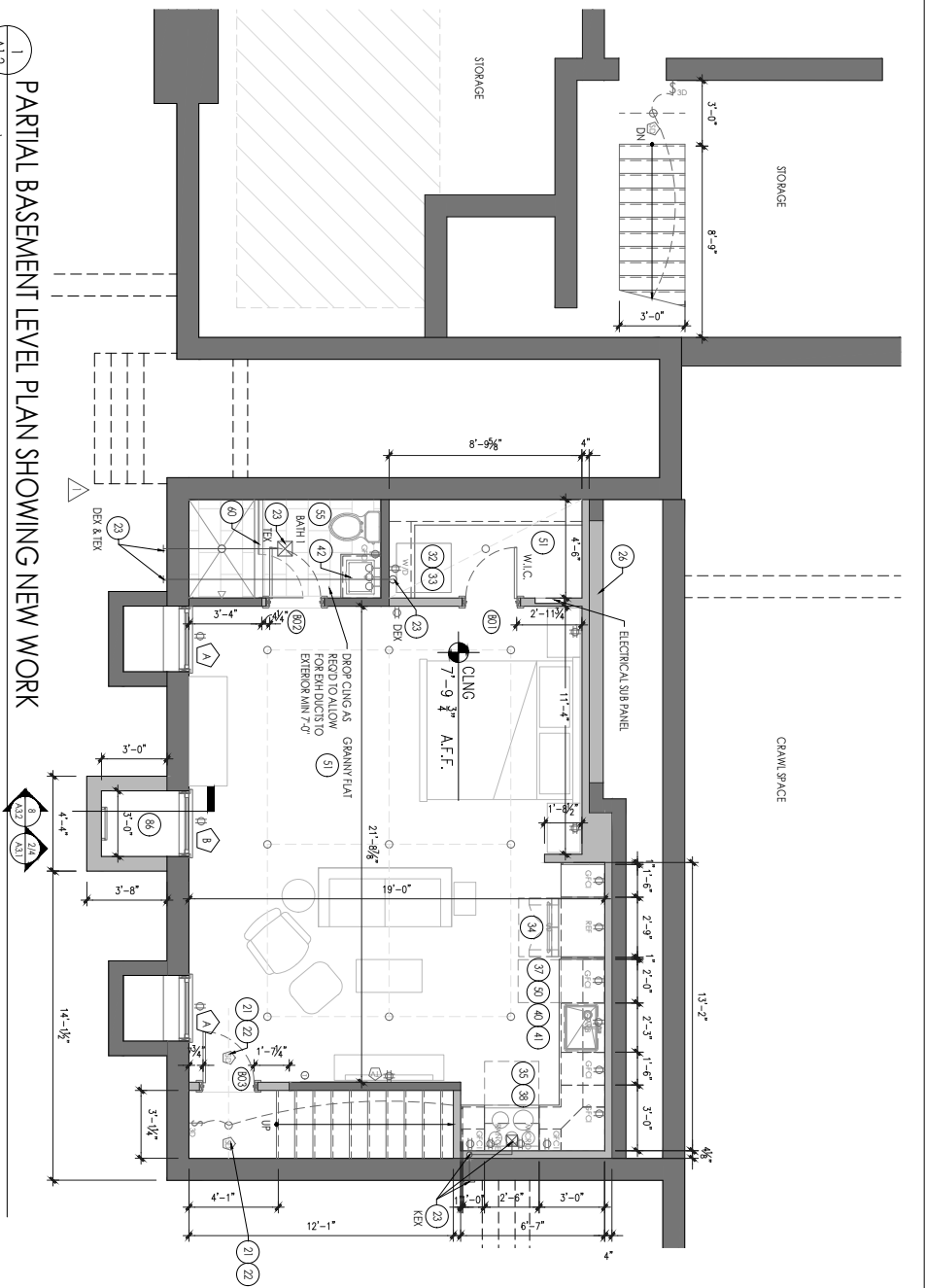
- SHADING KEY:
- MECHANICAL
- NOTES:
- COORDINATE NEW LIGHTING LOCATIONS WITH EXISTING DUCTWORK & STRUCTURE.
 - ALL NEW PARTITIONS ARE TO BE 2 X 4 AND STUDS W/ $\frac{1}{2}''$ GYPSUM.
 - ALL EXISTING ELECTRICAL DEVICES TO BE CHECKED & REPAIRED AS REQD. - ADD DEVICES AS REQD. - EXISTING DEVICES NOT SHOWN.
 - NEW ELECTRICAL OUTLETS TO BE PLACED AS GRAPHICALLY INDICATED. - CENTER BELOW SWITCHES OR FIXTURES UNLESS INDICATED.
 - ALL TYPICAL NEW WALL ELECTRICAL OUTLETS TO BE MOUNTED 18" A.F.F. UNLESS OTHERWISE NOTED.
 - ALL NEW ELECTRICAL OUTLETS IN KITCHEN TO BE MOUNTED IN RACKWAY UNDER UPPER CABINETS UNLESS OTHERWISE NOTED.
 - SWITCHES FOR NEW DECORATIVE LIGHTING NOT SHOWN - CONTRACTOR TO COORD. W/ HOMEOWNER ON FINAL LOCATIONS, TYPES AND CIRCUITS.
 - ALL NEW WALL SWITCHES TO BE MOUNTED 48" A.F.F. UNLESS OTHERWISE NOTED.
 - REPAIR / PATCH / PAINT / REFINISHING AS REQD. FOR CONSTRUCTION OF RENOVATION WORK OUTLINED.
 - PROVIDE GNB ENCLOSURE PER IRC 302.6 FOR FIRE SEPARATION BETWEEN GARAGE & HABITABLE SPACES.
 - COORD. FINISHED STAIRCASES AS REQD.
 - REMOVE ALL EXISTING STAIRCASES UNLESS OTHERWISE NOTED.
 - REMOVE ALL EXISTING STAIRCASES UNLESS OTHERWISE NOTED.
 - ALL ITEMS NOT LABELED ARE ASSUMED EXISTING TO REMAIN - PROTECT AS REQD. DURING CONSTRUCTION.
 - PROVIDE 1/4" FTD W/ SHELVING W/ 5.5. KODI @ ALL CORNERS & CLOSURES UNLESS OTHERWISE NOTED.
 - PROVIDE 1/4" FTD W/ SHELVING @ OTHER CLOSURES UNLESS OTHERWISE NOTED.



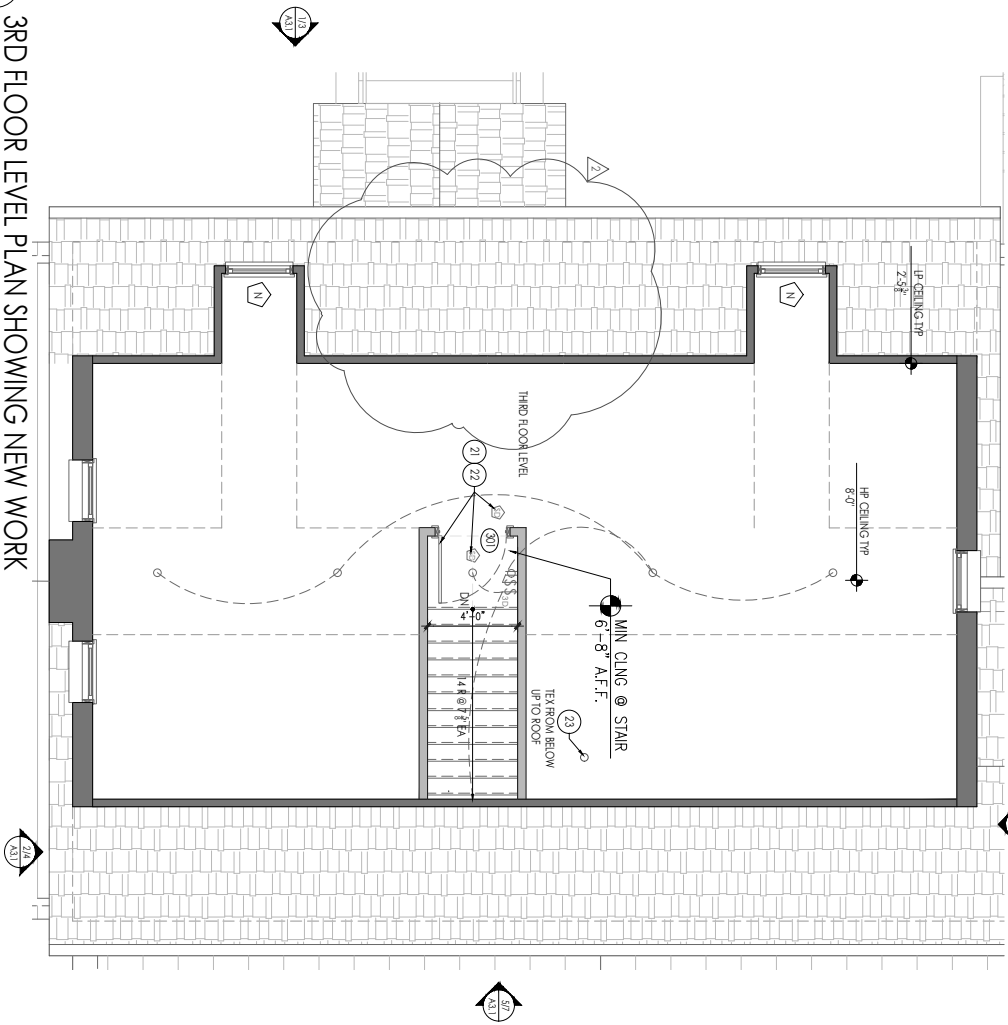
1 1ST FLOOR LEVEL PLAN SHOWING NEW WORK
SCALE = 1/8" = 1'-0"

KEY NOTES:		ACCOMPANYING: 325 North Potomac Street Alexandria, VA 22314 info@conkeyarchitects.com
20. AGENT/REPAIR INDICATED		CLIENT: Catherine Joyce 118 Quay Street Alexandria, VA 22314
21. CENTER ITEM AS INDICATED		STRUCTURAL ENGINEER: Baker Ingram Associates 205 East Water Street Suite 104 Centerville, MD 21617
22. COMMUNICATING MOVE / CO. DIRECTORS		COPYRIGHT © THESE DRAWINGS AND SPECIFICATIONS, AND THE IDEAS AND ARRANGEMENTS HEREIN, ARE THE PROPERTY OF THE ARCHITECT. NO PART THEREOF SHALL BE COPIED, DISCLOSED TO OTHERS, OR USED IN CONNECTION WITH ANY WORK OR PURPOSE OTHER THAN THAT FOR THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT. CONSTITUTIONAL EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.
23. EXHAUST TO EXTERIOR		
24. OUTDOOR HVAC EQUIPMENT		
25. RELOCATED ELECTRICAL WIRING - COORDINATE AS REQ'D W/ UTILTY		
26. PROVIDE WALL NAIL @ EXISTING CORNER - FINISHES TO ALIGN & MATCH EXISTING		
27. PROVIDE EXISTING WALL - SEE STRUCTURAL FOR DETAILS		
28. PROVIDE QUICK RELEASE FOR GAS CORK LOCATION		
29. GAS METER - COORDINATE W/ LOCAL UTILITY		
30. APPLIANCE - BEVERAGE CENTER		
31. APPLIANCE - WASHER		
32. APPLIANCE - DRYER		
33. APPLIANCE - REFRIGERATOR W/ ICE MAKER		
34. APPLIANCE - RANGE		
35. APPLIANCE - RANGE HOD		
36. APPLIANCE - DISHWASHER		
37. APPLIANCE - MICROWAVE OVER		
38. FINISH - KITCHEN / BATH SINK & FLOORS		
39. FINISH - GARAGE FLOOR - PROVIDE AIR SWITCH & STANDS & STAIRS - SINK FLOORS - FINISHES TO ALIGN & MATCH EXISTING		
40. FINISH - UPPER & LOWER CLOSET W/ STONE COUNTERTOP FINISHES TO MATCH EXISTING		
41. FINISH - WOOD FLOORING ON 3RD FLOOR / STRUCTURE TO MATCH EXISTING		
42. FINISH - TILE FLOORING		
43. FINISH - BRICK PAVING TO MATCH EXISTING		
44. FINISH - CONCRETE SLAB W/ INSULATION - SEE STRUCTURAL FOR DETAILS		
45. FINISH - CONCRETE SLAB ON GRADE		
46. FINISH - CUSTOM BLENDED REARER GLASS SHOWER ENCLOSURE		
47. FINISH - CUSTOM BLENDED REARER GLASS SHOWER ENCLOSURE		
48. EXTERIOR - OPERABLE COMPOSITE PANEL SHUTTERS		
49. EXTERIOR - PORTAL GUTTER & DOWNSPOUT - EXTEND DOWNSPOUT LEADER AWAY FROM STRUCTURE AS INDICATED		
50. EXTERIOR - MASONRY SLOOP		
51. EXTERIOR - PRE-FINISHED LOW SLOPE ROOFING		
52. EXTERIOR - SHINGLED SLOPE ROOFING		
53. EXTERIOR - BRICK JACK ARCH W/ LIFTED BRICK & LINTEL		
54. EXTERIOR - SCREENING & NEW PORCH		
55. EXTERIOR - FID COMPOSITE PANEL PANELS & COLUMNS		
56. EXTERIOR - FID FIBER CEMENT SIDING & A.P.P. TRIM		
57. EXTERIOR - ROOF TOP MONITOR W/ COMPOSITE PANEL & WINDOWS		
58. EXTERIOR - FLASHING		
59. EXTERIOR - CONT WATERPROOFING MANSARD		
60. EXTERIOR - CONT WATER RESISTIVE / VAPOR BARRIER		
61. EXTERIOR - INSULATION		
62. EXTERIOR - NOT BRACING / BRACING W/ GWS & INSULATION AS SHOWN		
63. EXTERIOR - BLOCKING AS REQ'D		
64. EXTERIOR - SHEATHING		
65. EXTERIOR - FLOORING / FOUNDATION - SEE STRUCTURAL DIVS FOR DETAILS		
66. EXTERIOR - FLOORING TO MATCH EXISTING ADJ.		
67. EXTERIOR - MASONRY / ASL. WAY W/ FID FIBER CEMENT & EXTERIOR FID FIBER CEMENT OVER EXISTING FOUNDATION - SEE STRUCTURAL DIVS FOR DETAILS		
68. EXTERIOR - MASONRY / EXTERIOR / EXTERIOR / EXTERIOR / EXTERIOR MATCH EXISTING ADJ. - USE EXISTING BRICK TO BRICK POSSIBLE MATCH EXISTING ADJ. - USE EXISTING BRICK TO BRICK POSSIBLE		
69. EXTERIOR - RE-FLASHING PER STRUCTURAL DIVS		
70. EXTERIOR - FID COMPOSITE PANEL PANELS		
71. EXTERIOR - FOUNDATION DRAINAGE SYSTEM - MAINTAIN EXISTING		
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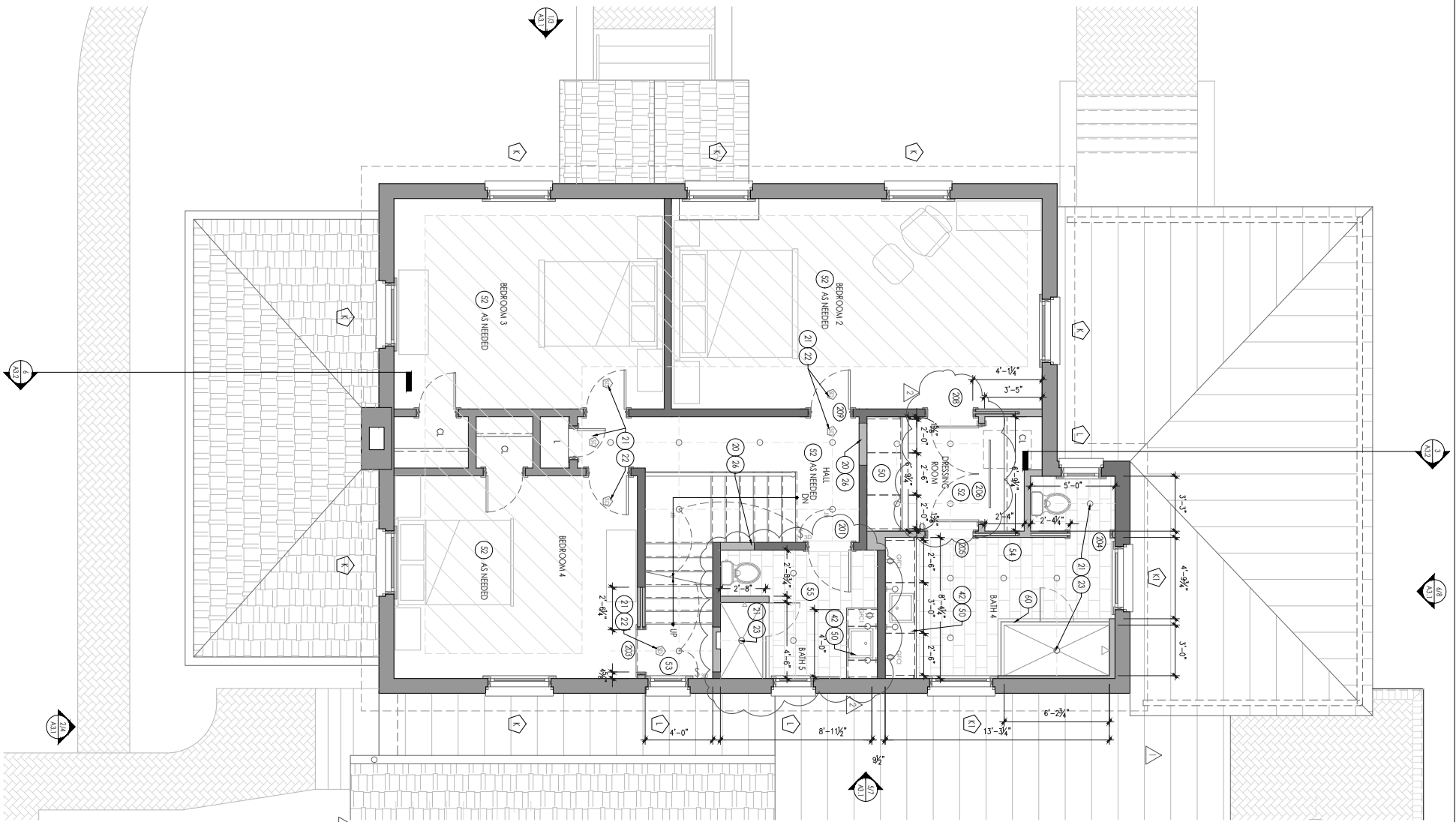
KEY PLAN: PLAN NORTH: 	
PROJECT NAME: Proposed Alterations to 2250 S. Harrison Street Easton, MD 21601	
DRAWING TITLE: 1ST FLOOR LEVEL PLAN	
DRAWING NUMBER: A1.1	
PROJECT NUMBER: 2101.620	PLOT DATE: 15 NOVEMBER 2022



PARTIAL BASEMENT LEVEL PLAN SHOWING NEW WORK

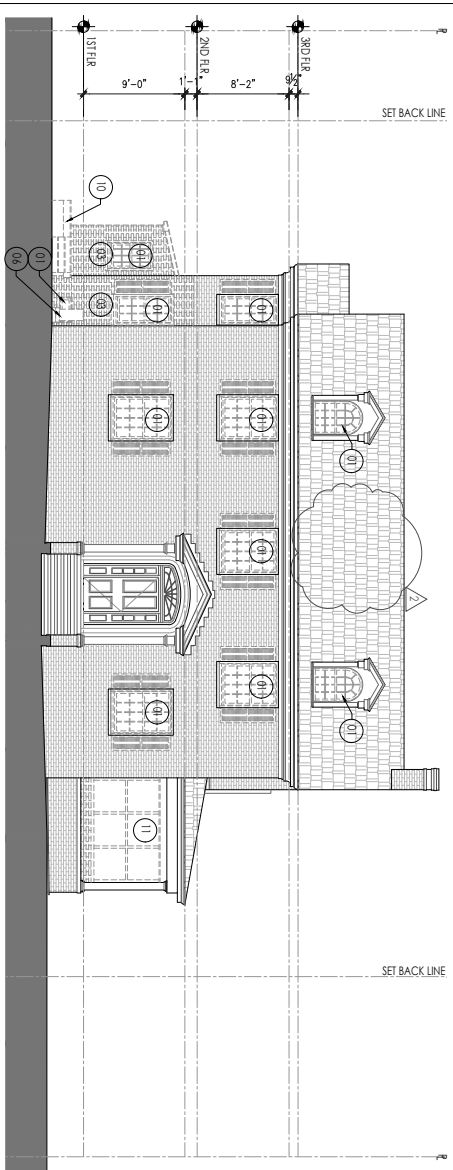


3RD FLOOR LEVEL PLAN SHOWING NEW WORK

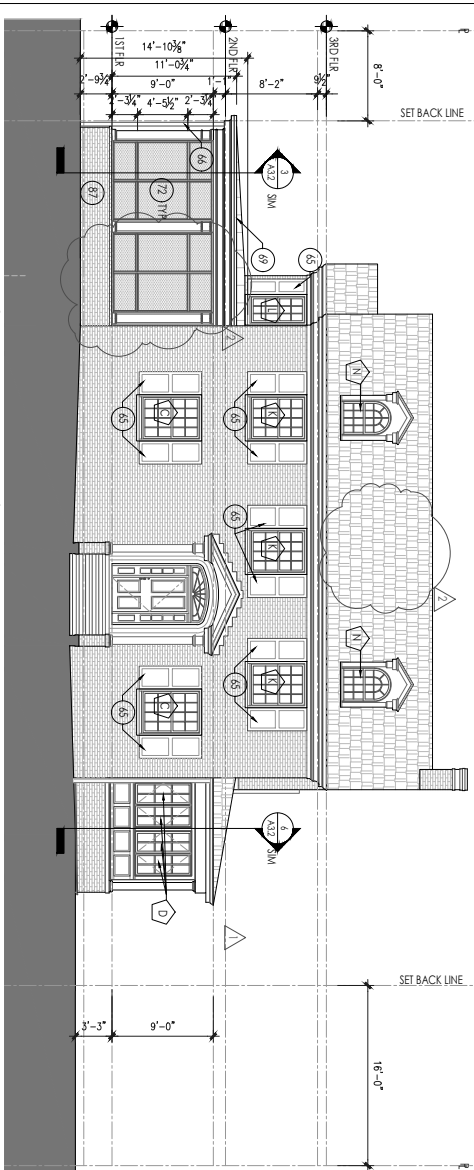


2ND FLOOR LEVEL PLAN SHOWING NEW WORK

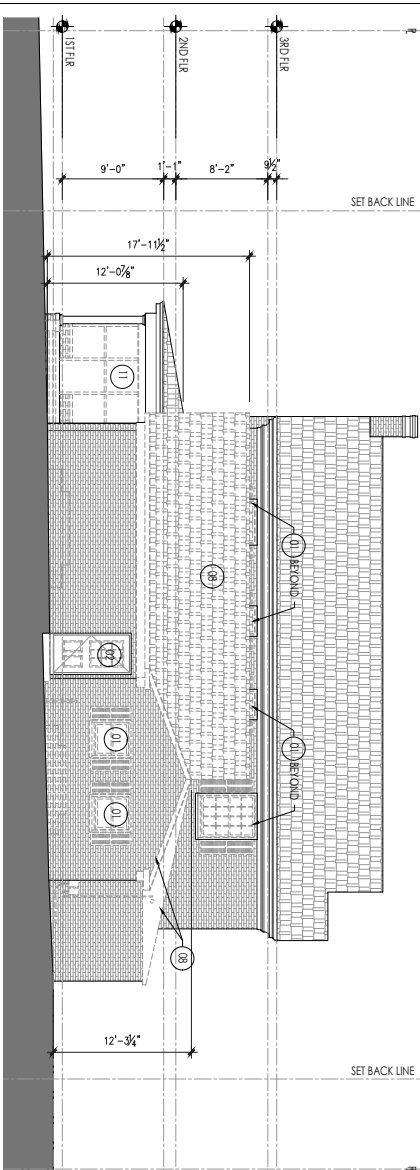
KEY NOTES:		ARCHITECT:
20. ALIGNMENTS INDICATED		325 north police street
21. CENTER LINE AS NOTED		alexandria, VA 22314
22. COMMUNICATING SMOKE / CO DETECTORS		phone: 703.591.4250
23. REPAIRS TO EXISTING		info@conkeyarchitects.com
24. OUTDOOR HVAC EQUIPMENT		
25. RELOCATE ELECTRICAL METER - COORDINATE A REED W/ UTILITY		
26. PROVIDE WALL NAIL & EXISTING ONLY - INSETS TO MATCH & MATCH EXISTING		
27. PROVIDE EXISTING WALL - SEE STRUCT DINGS FOR DETAILS		
28. PROVIDE QUICK RECONNECT FOR GAS GRILL LOCATION		
29. GAS METER COORDINATE W/ LOCAL UTILITY		
30. APPLIANCE - REFRIGERATOR CUPPER		
31. APPLIANCE - WASHER		
32. APPLIANCE - DRYER		
33. APPLIANCE - REFRIGERATOR W/ ICE MAKER		
34. APPLIANCE - HANCE		
35. APPLIANCE - HANCE HOOD		
36. APPLIANCE - DISHWASHER		
37. APPLIANCE - SINK, FAUCET & VANITY CABINET		
38. APPLIANCE - WINDOW OPEN		
39. FUTURE - HITCHHIK / BALKSINK & FAUCET		
40. FUTURE - GARAGE DOOR - PROVIDE AS SHOWN @ ISLANDS & ISLANDS		
41. FUTURE - HALLWAY		
42. FUTURE - SINK, FAUCET & VANITY CABINET		
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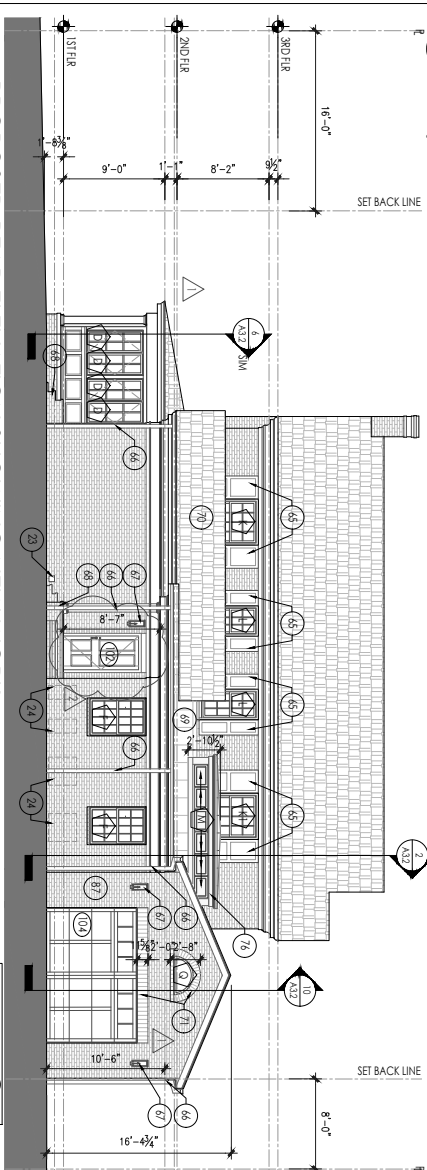
EXISTING FRONT (S. HARRISON ST.) ELEVATION SHOWING PROPOSED DEMOLITION



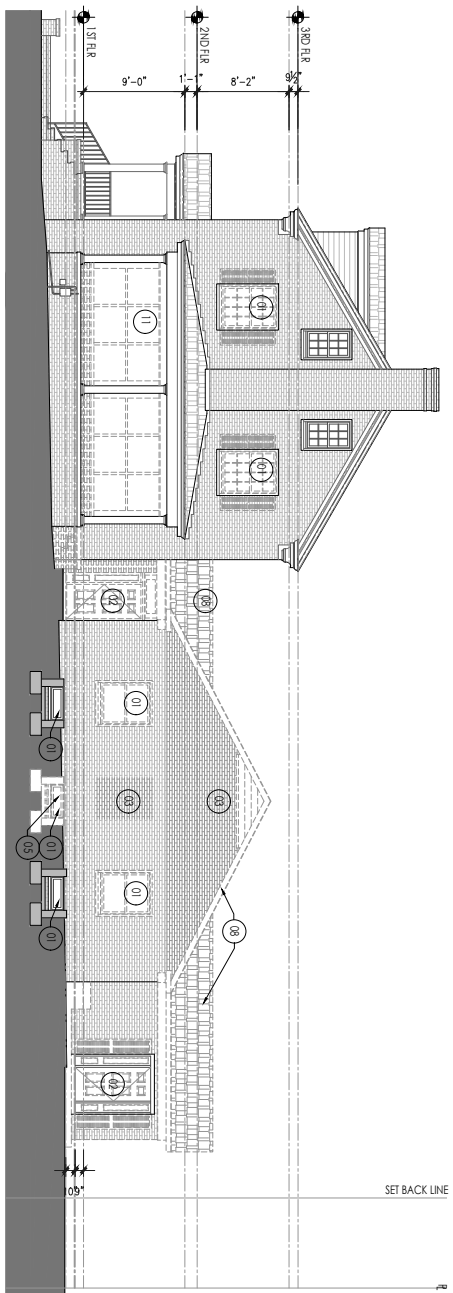
PROPOSED FRONT (S. HARRISON ST.) ELEVATION SHOWING NEW WORK



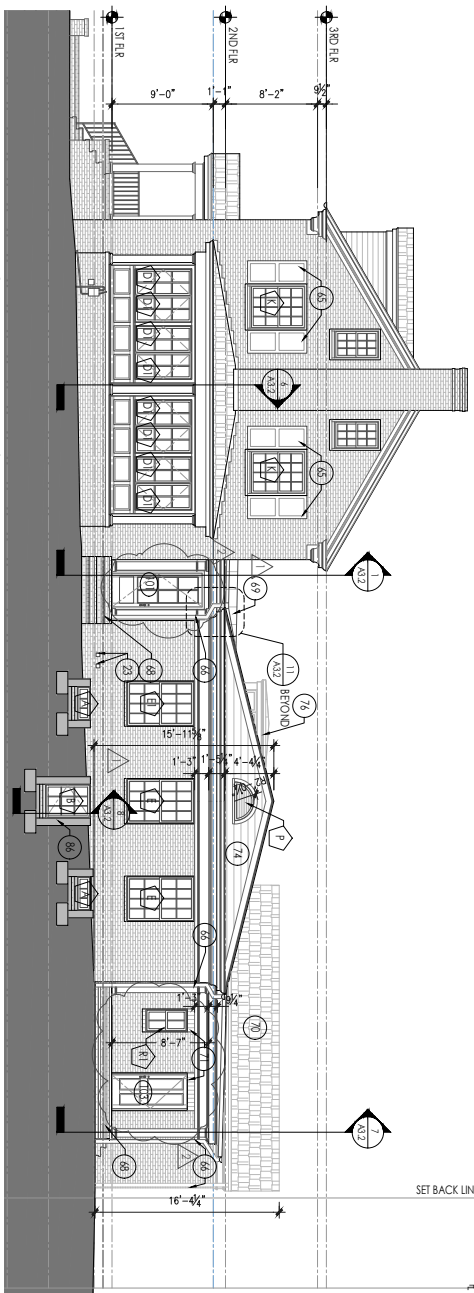
EXISTING REAR ELEVATION SHOWING PROPOSED DEMOLITION



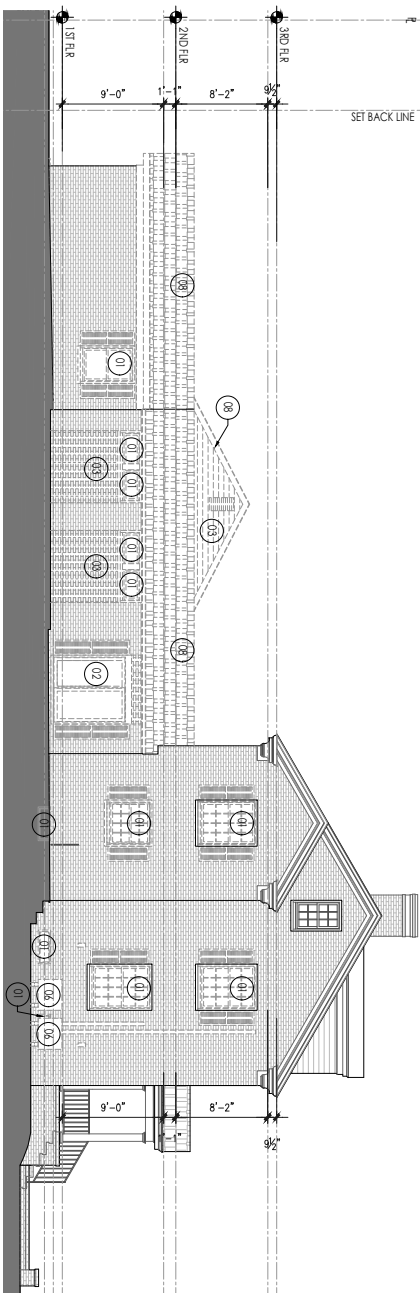
PROPOSED REAR ELEVATION SHOWING NEW WORK



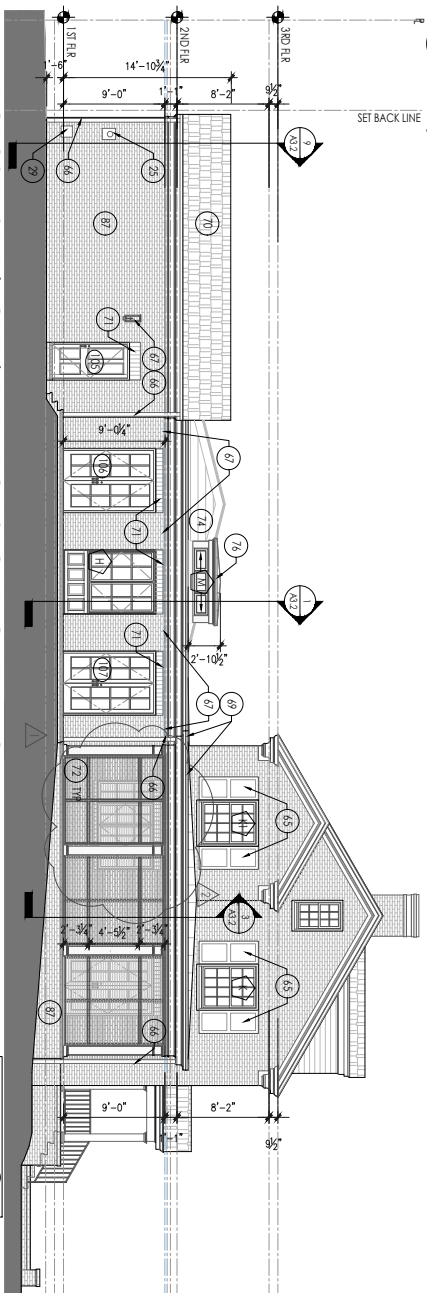
EXISTING SIDE (EAST EARLEST.) ELEVATION SHOWING PROPOSED DEMOLITION



PROPOSED SIDE (EAST EARLE ST.) ELEVATION SHOWING NEW WORK

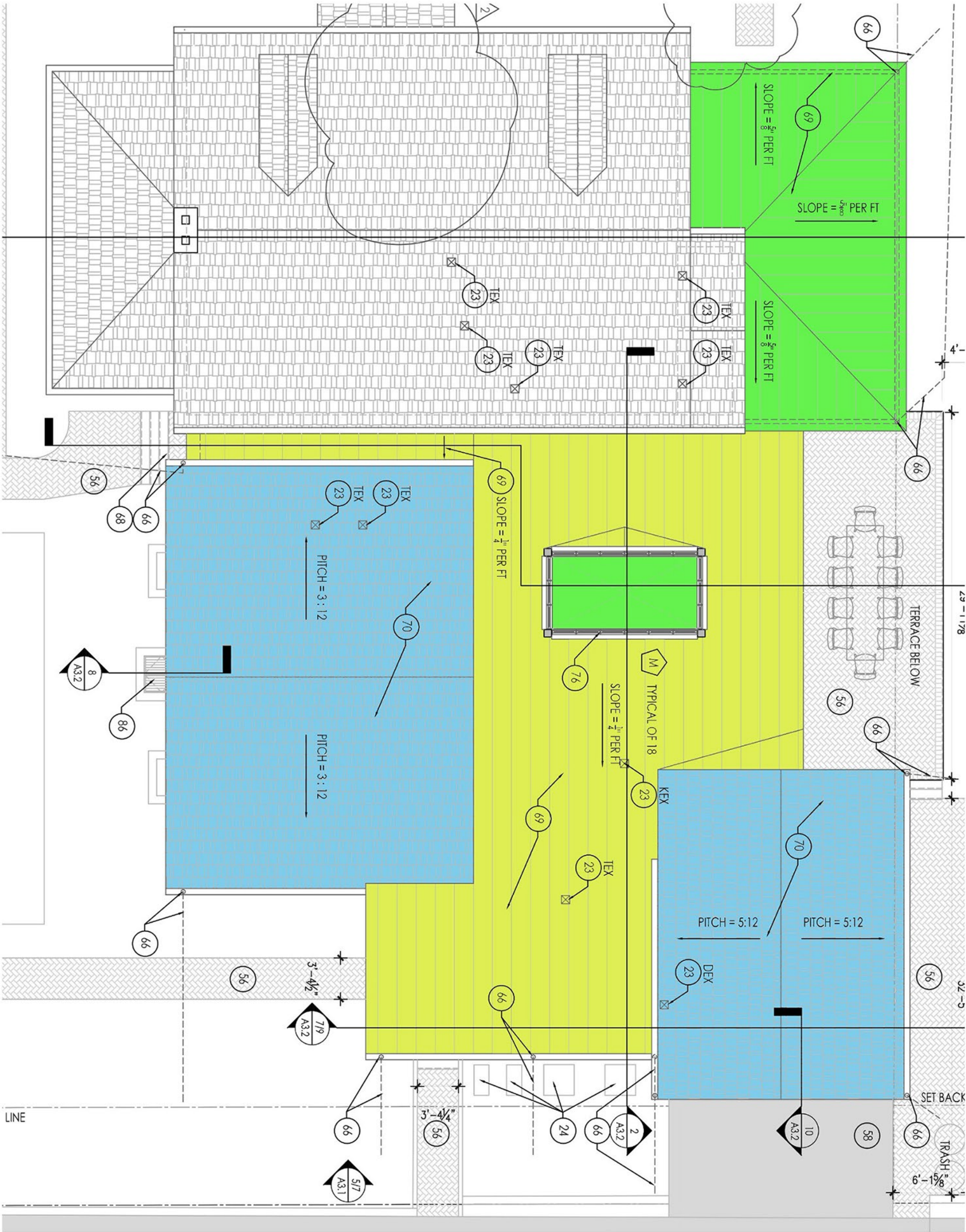


EXISTING SIDE (NORTH) ELEVATION SHOWING PROPOSED DEMOLITION



PROPOSED SIDE (NORTH) ELEVATION SHOWING NEW WORK

[illegible]



**220 S. HARRISON ST.
PROPOSED ROOFS**

**PAC-CLAD STANDING
SEAM ROOF
(AS APPROVED)**

**MULE-HIDE .060
TPO (WHITE)**

**CERTAINTEED
GRAND MANOR
ARCHITECTURAL SHINGLES**

AS BUILT



1
A3.1

EXISTING FRONT (S. HARRISON ST.) ELEVATION SHOWING PROPOSED DEMOLITION

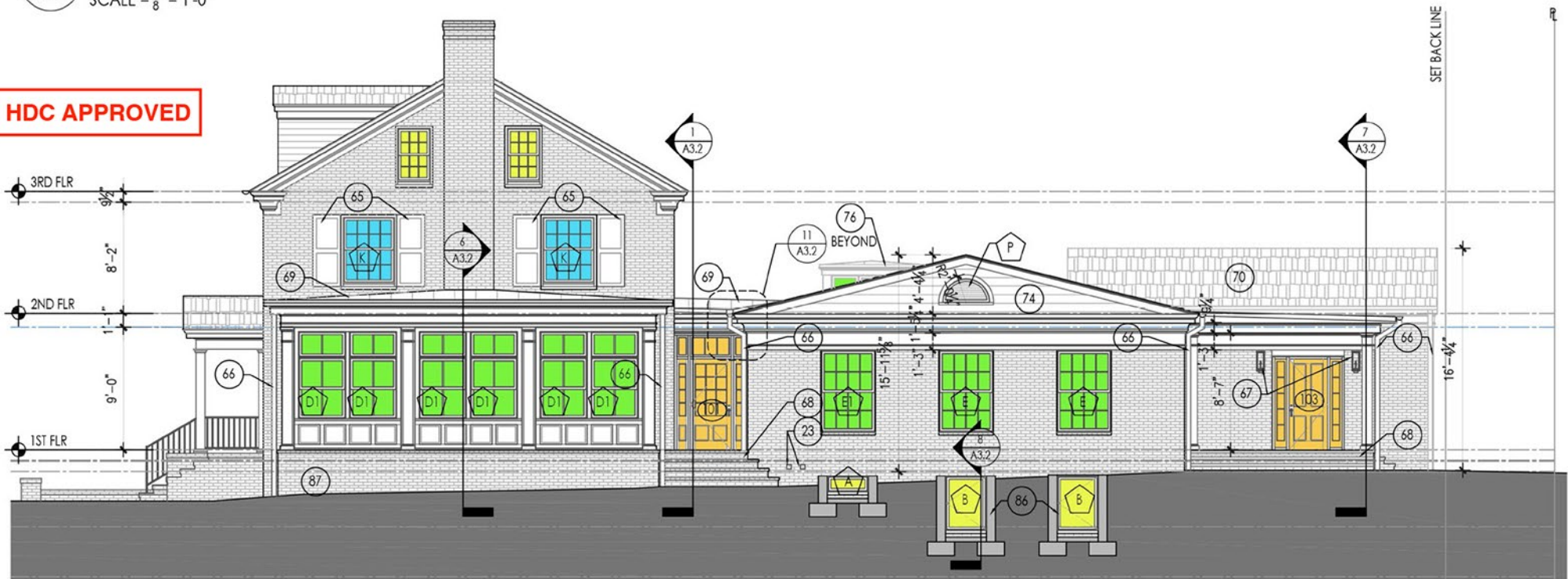
SCALE = $\frac{1}{8}" = 1'-0"$

HDC APPROVED

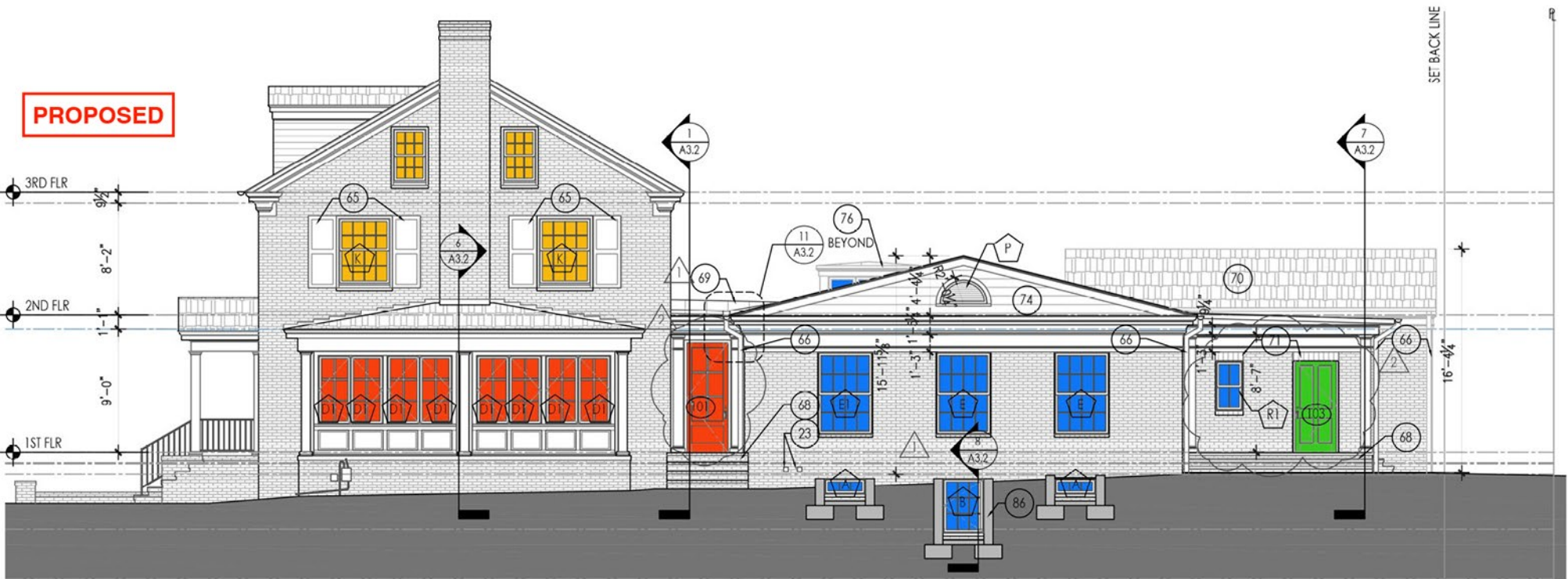




2 EXISTING SIDE (EAST EARLE ST.) ELEVATION SHOWING PROPOSED DEMOLITION
 A3.1 SCALE = $\frac{1}{8}" = 1'-0"$



4 PROPOSED SIDE (EAST EARLE ST.) ELEVATION SHOWING NEW WORK
 A3.1 SCALE = $\frac{1}{8}" = 1'-0"$ ALL NEW TRIM TO BE 73 TYP



4 PROPOSED SIDE (EAST EARLE ST.) ELEVATION SHOWING NEW WORK
 A3.1 SCALE = $\frac{1}{8}" = 1'-0"$ ALL NEW TRIM TO BE 73 TYP

HDC APPROVED

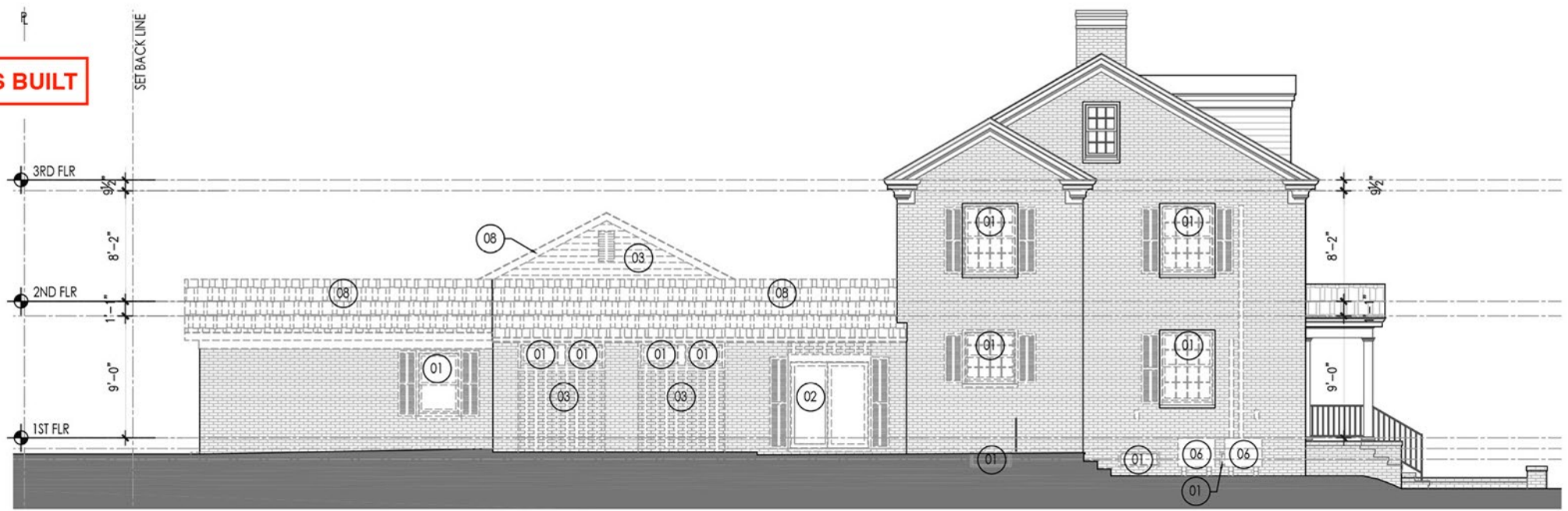
- MARVIN ULTIMATE ALUMINUM CLAD WINDOWS
- MARVIN ELEVATE FIBERGLASS CLAD INSERT WINDOWS
- SIMPSON WOOD DOORS

PROPOSED

- LOEWEN ALUMINUM DOORS/WINDOWS
- WINDSOR REVIVE ALUMINUM CLAD POCKET WINDOWS
- WINDSOR PINNACLE ALUMINUM CLAD FULL FRAME WINDOWS
- THERMATRU FIBERGLASS DOORS



AS BUILT



6 EXISTING SIDE (NORTH) ELEVATION SHOWING PROPOSED DEMOLITION
A3.1 SCALE = $\frac{1}{8}" = 1'-0"$

HDC APPROVED



8 PROPOSED SIDE (NORTH) ELEVATION SHOWING NEW WORK
A3.1 SCALE = $\frac{1}{8}" = 1'-0"$

ALL NEW TRIM TO BE (73) TYP

PROPOSED



8 PROPOSED SIDE (NORTH) ELEVATION SHOWING NEW WORK
A3.1 SCALE = $\frac{1}{8}" = 1'-0"$

ALL NEW TRIM TO BE (73) TYP

HDC APPROVED

-  MARVIN ULTIMATE ALUMINUM CLAD WINDOWS
-  MARVIN ELEVATE FIBERGLASS CLAD INSERT WINDOWS
-  SIMPSON WOOD DOORS

PROPOSED

-  LOEWEN ALUMINUM DOORS/WINDOWS
-  WINDSOR REVIVE ALUMINUM CLAD POCKET WINDOWS
-  WINDSOR PINNACLE ALUMINUM CLAD FULL FRAME WINDOWS
-  THERMATRU FIBERGLASS DOORS

GRAND MANOR[®]

Luxury Roofing Shingles



The Peak of Perfection

Some roofs say more. About you. About your style. About the home that uniquely showcases your life.

Grand Manor says it all with a style and grace that is exceptional from every angle. The luxurious multi-layered laminated shingle replicates the look of slate with the confidence backed by a lifetime warranty.

Your home becomes your castle with one of the heaviest shingles we've ever made. CertainTeed developed Grand Manor to endure all types of weather and always look its best, even on the steepest slopes.

STRIKING LOOKS

Deep shadows and random tabs are the secrets behind the design genius in Grand Manor. The result is a shingle with the incredibly authentic depth and dimension of slate.

LASTING BEAUTY

Our exclusive Super Shingle® construction design results in a shingle that, once installed, offers virtually five layers of protection. Made of the industry's most durable roofing materials, you'll have a roof with unsurpassed defense against the elements.

StreakFighter® PROTECTION

The ultimate in stain protection, CertainTeed's StreakFighter technology uses the power of science to repel algae before it can take hold and spread. StreakFighter's granular blend includes naturally algae-resistant copper to combat the ugly black streaking caused by algae and help your roof maintain its beauty for years to come.

With Grand Manor on your home, you'll have the assurance of being protected by one of CertainTeed's finest, most durable luxury shingles—and the confidence of knowing that whenever you look up at your roof, you'll see something beautiful.



GRAND MANOR® COLOR PALETTE



Colonial Slate



Gatehouse Slate



Stonegate Gray



Weathered Wood



Elegance Defined with Style and Grace

GRAND MANOR®

- Authentic depth and dimension of natural slate
- Dynamic color options
- Super Shingle® construction offers five layers of protection
- Streakfighter® protection against algae



Black Pearl



Brownstone



Georgian Brick



Sherwood Forest

Strength with Style

GRAND MANOR®

- Class A fire resistance
- Algae resistance
- 110 MPH wind warranty, upgradeable to 130 MPH
- Lifetime-limited warranty



SPECIFICATIONS

- Two full-size, fiberglass-based shingles with randomly applied tabs
- Authentic depth and dimension of natural slate
- Virtual five-layer coverage when applied

CertainTeed products are tested to ensure the highest quality and comply with the following industry standards:

Fire Resistance:

- UL Class A
- UL certified to meet ASTM D3018 Type 1

Wind Resistance:

- UL certified to meet ASTM D3018 Type 1
- ASTM D3161 Class F

Tear Resistance:

- UL certified to meet ASTM D3462
- CSA standard A123.5

Wind Driven Rain Resistance:

- Miami-Dade Product Control Acceptance: Please reference www.certainteed.com to determine approved products by manufacturing location.

Quality Standards:

- ICC-ES-ESR-1389 & ESR-3537

WARRANTY

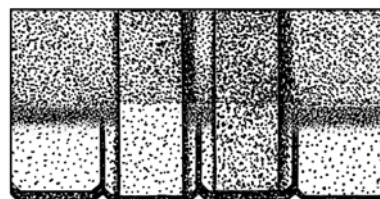
- Lifetime limited transferable warranty against manufacturing defects on residential applications
- 50-year limited transferable warranty against manufacturing defects on group-owned or commercial applications
- **StreakFighter®** 15-year algae-resistance warranty
- 10-year SureStart™ protection
- 15-year 110 MPH wind-resistance warranty
- Wind warranty upgrade to 130 MPH available. CertainTeed starter and CertainTeed hip and ridge required.

See actual warranty for specific details and limitations.

Grand Manor® Shingles

PRODUCT INFORMATION

This product is the super heavyweight of laminated shingles. The difference is in the size and quality built-in by design. An 8" tab area, complete with two full-sized one-piece base shingles with random tabs and accented by shadow lines, gives an authentic, natural look with true depth and dimension. They are most aesthetically appealing when used on slopes of 9" per foot or greater. When applied with underlayment, Grand Manor produces at least five layers of roof protection and the quality is reminiscent of handcrafted workmanship. It is designed to resist blow off in high wind conditions up to 110-mph with normal installation and 130-mph with special installation.



Grand Manor shingles are algae-resistant (AR), commonly called fungus, and help protect against dark or black discoloration, sometimes called staining or streaking, caused by blue-green algae.

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

Limitations: Use on roofs with slopes 2" per foot or greater. However, slopes greater than 9" per foot best show the product design. Low slope applications (2:12 to < 4:12) require additional underlayment. In areas where icing along the 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.

On slopes greater than 21" per foot, apply three spots of roofing cement under the shingle and an additional fastener in each laminated tab according to application instructions provided on the shingle package.

Product Composition: Grand Manor shingles are composed of a fiber glass mat base. Ceramic-coated mineral granules are tightly embedded in carefully refined, water-resistant asphalt. The laminated tabs are firmly adhered in a special tough asphaltic cement. These fiber glass based shingles have self-sealing adhesive applied.

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
Miami-Dade Product Control Approved
Florida Product Approval # FL5444
Meets TDI Windstorm Requirements

TECHNICAL DATA

Weight/Square (approx.):	425 lb.
Dimensions (overall):	18" x 36"
Shingles/Square:	50
Weather Exposure:	8"



Product Data Sheet

TPO-c MEMBRANE

(Standard, FR and CLEAN Film)

PRODUCT DESCRIPTION

Revision Date: May 2022

Mule-Hide TPO-c Membrane is a polyester reinforced, .045" or .060 thick, polyolefin based, thermoplastic, heat-weldable membrane. High breaking strength, tearing strength, and puncture resistance is achieved by encapsulating a strong polyester fabric between the top and bottom plies. Mule-Hide TPO-c FR membrane is formulated with additional flame retardant (compared to Standard) for higher slope fire code approvals. The TPO-c membrane is also available in a 0.80" thickness (see Product Data Sheet for TPO-c EXTRA). The membrane is environmentally friendly and safe to install. All Mule-Hide TPO membranes include MHP Weathering Package, an industry leading, state of the art weather package that enables Mule-Hide TPO membranes to withstand the extreme weatherability testing which simulates exposure to severe climates.



BASIC USES

The TPO-c membrane is used in mechanically attached and fully adhered roofing systems in new construction, reroofing and recover (retrofit) applications. It may also be used as flexible membrane flashings for walls, curbs, etc, when installing TPO-c membrane roofing systems. The system must be installed over acceptable roof insulation or other suitable substrate. See the Mule-Hide TPO Specifications Manual for complete specifications and details.

Optional CLEAN Film

The TPO-c membrane is available with an optional CLEAN Film (Standard colors only), a temporary protective film factory applied to the top surface of the membrane. By protecting the membrane surface from scuffs and dirt accumulation during installation, this protective film can save labor and time by helping to eliminate the need for roof cleaning upon project completion. CLEAN Film can be left in place for up to 90 days. Durable and easy to remove, CLEAN Film helps to improve the aesthetics and long-term reflectivity and is ideal for use on re-roofing, re-cover and new construction projects. CLEAN Film is available on TPO-c 60 mil membranes supplied in 6' x 100' and 10' x 100' rolls.

BENEFITS & SUPPLEMENTAL STATEMENTS

- Wide window of weldability
- Outstanding puncture resistance
- Chlorine-free with no halogenated flame retardants
- UL 2218 Class 4 hail rating available on select systems
- Excellent low temperature impact resistance
- Excellent chemical resistance to acids, bases, restaurant oils and greases
- Plasticizer-free, does not contain liquid or polymeric plasticizer
- Exceptional resistance to solar UV, ozone and oxidation
- Low water vapor permeance and water absorption
- Hot melt extrusion processed for complete scrim encapsulation
- Non woven reinforcement fabric for smooth surface and greater thickness-over-scrim
- Polyester reinforcing fabric which is resistant to degradation by bacteria, mildew and fungi
- TPO-c is 100% recyclable
- Meets and exceeds requirements of ASTM D6878 Standard Specification for Thermal Plastic Polyolefin Based Sheet Roofing
- CLEAN Film guards the TPO membrane surface from scuffs and dirt accumulation during installation, helping to improve the roof systems appearance and maintain long-term reflectivity.
- CLEAN Film can be left in place for up to 90 days due to its excellent heat and UV resistance.
- Mule-Hide's tan and white TPO membranes are CRRC listed and California Title 24 compliant and can contribute toward LEED® (Leadership in Energy and Environmental Design) credits.

TPO-c Membrane

(Standard, FR & CLEAN Film)

SPECIFICATIONS

Standard Colors: **White**, Gray and Tan

Colorway Colors: Medium Bronze, Patina Green, Rock Brown, Slate Gray & Terra Cotta.

Material: .045-inch (Standard Colors only) and .060-inch (nominal) thick polyester reinforced thermoplastic

Sizes: Standard Colors as 4', 6', 8', 10' and 12' sheet widths by 100'

Colorway Colors as 5' and 10' sheet widths by 100'

Weights: 45 Mil - 0.23 lb/ft² (1.1 kg/m²) typical, 60 Mil - 0.29 lb/ft² (1.4 kg/m²) typical

Physical Properties*	Test Method	Requirement	45-mil	60-mil
Thickness Tolerance on nominal, %	ASTM D-751	+15, -10	±10	±10
Thickness over scrim, in. (mm) (avg. of 3 areas)	ASTM D-6878 Optical Method	0.015 min. (0.380)	0.018 typical (0.457)	0.024 typical (0.610)
Breaking Strength, lbf (kN)	ASTM D-751 (Grab Method)	220 (976 N) minimum	225 (1.0) min. 320 (1.4) typical	250 (1.1) min. 360 (1.6) typical
Elongation at break of fabric, %	ASTM D-751 (Grab Method)	15 minimum	15 minimum 25 typical	15 minimum 25 typical
Tear Strength, lbf (N) 8 by 8 in. specimen	ASTM D-751 (B Tongue Tear)	55 (245) minimum	55 (245) min. 130 (578) typical	55 (245) min. 130 (578) typical
Brittleness point, °F (°C)	ASTM D-2137	-40 (-40) maximum	-40 °F (-40 °C) max. -50 °F (-46 °C) typical	-40 °F (-40 °C) max. -50 °F (-46 °C) typical
Linear Dimensional Change (shrinkage) % change	ASTM D-1204 6 hours @ 158° F (70° C)	±1 maximum	+/-1 max - 0.2 typical	+/-1 max - 0.2 typical
Ozone resistance, 100 pphm, 168 hrs.	ASTM D-1149	PASS	PASS	PASS
Factory seam strength, lbf/in (kN/m)	ASTM D-751	66 (290) min	66 (290) minimum	66 (290) minimum
Field seam strength, lbf/in. (kN/m) Seams tested in peel	ASTM D-1876	No requirement	25 (4.4) min. 50 (8.8) typical	25 (4.4) min. 60 (10.5) typical
Water vapor permeance, Perms	ASTM E-96 proc. B	No requirement	0.10 max. 0.05 typical	0.10 max. 0.05 typical
Water Absorption Resistance, mass % Top surface only	ASTM D-471 @ 158°F, 166 hours	No requirement	3.0 max. 0.90 typical	3.0 max. 0.90 typical
Puncture resistance, lbf (N)	FTM 101C Method 2031	No requirement	250 (1.1) min. 325 (1.4) typical	300 (1.3) min. 350 (1.6) typical
Properties after heat aging - ASTM D573, 32 weeks at 240°F or 8 weeks at 275 °F No cracking when bent around 3" dia. mandrel Weight change, %	PASS No Cracking ±1.5 max	PASS No Cracking ±1.0 max	PASS No Cracking ±1.0 max	PASS No Cracking ±1.0 max
*Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.				

INSTALLATION INSTRUCTIONS

- Approved insulation shall be attached to the roof deck with an approved insulation adhesive or approved fasteners and plates. Install insulation with its largest dimension perpendicular to the direction of the membrane seams where possible.
- Mechanically Attached Roofing System
 - Perimeter sheets to be installed in an approved pattern along all exterior roof edges.
 - Mechanical fasteners and plates are installed in the seams of both the perimeter sheets and field sheets and into the roof deck. Use approved fasteners and maintain proper penetration for specific roof decks.
- Fully Adhered Roofing System
 - Perimeter sheets are not required.
 - The membrane is required to be mechanically attached at the base of all vertical surfaces, roof edges, and angle changes.
 - The field of the roof is fully adhered to the substrate with Mule-Hide TPO Bonding Adhesive.
- Remove CLEAN Film from areas that are to be heat-welded together. In areas not requiring heat-welding, CLEAN Film can be left in place for up to 90 days. Upon completion of the TPO roofing system, remove the CLEAN film and discard.
- All seams are hot air welded and checked by probing.
- All details will be done in accordance with Mule-Hide details.
- On projects where a Mule-Hide System Warranty is requested, an authorized Mule-Hide representative shall inspect all completed work. This is only a brief summary and not the complete specification. The Mule-Hide Specifications, Details, Technical Bulletins, and associated documents should be thoroughly reviewed prior to starting any project. Contact the Mule-Hide Technical Department for additional information.

TPO-c Membrane (Standard, FR & CLEAN Film)

PRECAUTIONS

- Maximum sustained temperature not to exceed 160°F (71°C) for TPO membrane.
- Use proper stacking procedures to ensure roll stability. Avoid creasing the membrane.
- Surfaces may be slippery when wet, or due to frost and ice build-up. Exercise caution to prevent falls.
- Mule-Hide TPO membranes are highly reflective to sunlight. Workers should dress appropriately, wear sunscreen, and wear sunglasses that filter out UV light.
- Exercise care when working near roof edge as edges may not be visible when surrounding area is covered with snow.
- Store Mule-Hide membrane in original wrappings in a cool, shaded area. Cover with light-colored, breathable, waterproof tarpaulins. Mule-Hide membrane that has been exposed to the weather must be prepared with Weathered Membrane Cleaner prior to hot air welding.
- Use proper stacking procedures to ensure sufficient stability of the rolls.
- Take care not to stand or place heavy objects on the edge of folded-over membrane, as this could cause a hard crease in the membrane.
- Do not use razor blades or other sharp tools to cut the CLEAN Film while it is still adhered to the TPO membrane as damage to the underlying membrane may occur. Pull the protective film away from the membrane prior to cutting.
- Remove CLEAN Film by pulling towards the center of the roof. Do not remove the film by pulling towards the roof edge.
- A static electricity charge may develop when removing the CLEAN Film from the surface of the membrane sheet. To avoid the possibility of ignition, lids must be closed on any flammable products and fire extinguishers should be readily available.
- Color membranes will 'fade' over time mainly due to the ultraviolet portion of sunlight. Since most roof surfaces are exposed to variable sunlight, some areas will be more susceptible to color changes caused by UV fading. Warranties for color membranes do not cover fading of colors.

EXTREME TESTING FOR SEVERE CLIMATES

ASTM Standard D6878 is the material specification for Thermoplastic Polyolefin-Based Sheet Roofing. It covers material property requirements for TPO roof sheeting and includes initial and aged properties after heat and xenon-arc exposure. As stated in the standard, "the tests and property limits used to characterize the sheet are values intended to ensure minimum quality for the intended purpose." Mule-Hide's goal is to provide TPO that delivers maximum performance for the intended purpose of roofing membranes. Maximum performance requires the membrane to far exceed the requirements of ASTM Standard D6878.

Heat Aging accelerates the oxidation rate the roughly doubles for each 18°F (10°C) increase in roof membrane temperature. Oxidation (reaction with oxygen) is one of the primary chemical degradation mechanisms of roofing materials.

HEAT AGING		
Test Method	ASTM Requirement	Typical Results
ASTM Test - 240° F (116° C), No Visible Cracks	32 Weeks**	>128 Weeks
**Heat exposure comparable to 3,120 weeks (60 years) at 185°F for 8 hours per day.		
Test specimen is 2" by 6" piece of 45-mil membrane un-backed, placed in circulating hot-air oven		
Criterion-no visible cracks after bending aged test sample around 3" diameter mandrel.		
Heat Aging accelerates the oxidation rate that roughly doubles for each 10° C (18° F) increase in roof membrane temperature.		
Oxidation (reaction with oxygen) is one of the primary chemical degradation mechanisms of roofing materials.		

Q-Trac testing combines accelerated weathering with real-world conditions using an array of ten mirrors to reflect and concentrate full spectrum sunlight onto membrane test specimens. The Q-Trac device automatically tracks the sun's path from morning to night. Also, it adjusts to compensate for seasonal changes in the sun's altitude. Eight years in Q-Trac testing is equal to 40 years of real-world exposure. Mule-Hide requires its TPO membranes to pass the equivalent of 40 year exposure in the Q-Trac.

Q-Trac Testing		
Test Method	ASTM Requirement	Mule-Hide Requirement
ASTM Test N/A	N/A	Equivalent of 40 years exposure
Environmental Cycling subjects the membrane to repeated cycles of heat aging, hot-water immersion and xenon-arc exposure.		
Test specimen is 2.75" by 5.5" piece of membrane with edges sealed.		
- 10 days heat aging at 240° F (116° C) followed by - 5 days water immersion at 158° F (70° C) followed by - 5,040 kJ/m² (2000 hours at 0.70 W/m² irradiance) xenon-arc exposure		
Criterion – after 3 completed cycles, test specimens shall remain flexible and not have any cracking under 10x magnifications while wrapped around a 3" diameter mandrel.		

TPO-c Membrane

(Standard, FR & CLEAN Film)

SUPPLEMENTAL APPROVALS, STATEMENTS AND CHARACTERISTICS

- 1) TPO-c meets and exceeds the requirements of **ASTM D6878** Standard Specification for Thermoplastic Polyolefin Based Sheet Roofing.
- 2) Radiative Properties for Cool Roof Rating Council (CRRC) and LEED.
- 3) CRRC Product ID: TPO-c White 0670-0009
- 4) Mule-Hide TPO-c membranes conform to requirements of the U.S.E.P.A. Toxic Leachate Test (40 CFR part 136) performed by an independent analytical laboratory.
- 5) TPO-c was tested for dynamic puncture resistance per ASTM D5635-04 using the most recently modified impact head. 45-mil was watertight after an impact energy of 12.5 J (9.2 ft-lbf) and 60-mil was watertight after an impact energy of 22.5 J (16.6 ft-lbf)
- 6) NSF-P151 Certification for rainwater catchment systems components. (Plant 91/White Only)

RADIATIVE PROPERTIES for CRRC and LEED				
DESCRIPTION	TEST METHOD	WHITE TPO-c	TAN TPO-c	GRAY TPO-c
CRRC initial solar reflectance	ASTM C1549	0.79	0.71	0.46
CRRC solar reflectance after 3 years	ASTM C1549 (un-cleaned)	0.70	0.64	0.43
CRRC initial thermal emittance	ASTM C1371	0.90	0.86	0.89
CRRC thermal emittance after 3 years	ASTM C1371 (un-cleaned)	0.86	0.87	0.88
CRRC SRI (Solar Reflectance Index)	ASTM E1980	99	86	53
CRRC SRI (Solar Reflectance Index after 3 yrs)	ASTM E1980	85	77	48
CRRC Product ID Number		0670-0009	0670-0016	0670-0017

RADIATIVE PROPERTIES (Initial) FOR COLORWAY COLORS			
Color	Reflectance	Emittance	SRI
Medium Bronze	0.28	0.86	29
Rock Brown	0.25	0.87	26
Slate Gray	0.38	0.87	42
Terra Cotta	0.25	0.86	25
Patina Green	0.25	0.88	25

Solar Reflectance Index (SRI) is calculated per ASTM E 1980. The SRI is a measure of the roof's ability to reject solar heat, as shown by a small temperature rise. It is defined so that a standard black (reflectance 0.05, emittance 0.90) is 0 and a standard white (reflectance 0.80, emittance 0.90) is 100. Materials with the highest SRI values are the coolest choices for roofing. Due to the way SRI is defined, particularly hot materials can even take slightly negative values, and particularly cool materials can even exceed 100.

LEED Information	
Pre-consumer Recycled Content	10%
Post-consumer Recycled Content	0%
Manufacturing Location	Senatobia, MS Tooele, UT Carlisle, PA
Solar Reflectance Index (SRI)	99 (white) 86 (tan)

PROTECTION & SAFETY

Mule-Hide maintains Safety Data Sheets on all of its non-exempt products. Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees and customers. Mule-Hide's Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Mule-Hide products in your facilities.

ADDITIONAL INFORMATION

The information given on this PDS is subject to change without notice. Always check the Mule-Hide website at www.mulehide.com for the latest information, changes and updates or contact Mule-Hide Products Company at 800-786-1492.



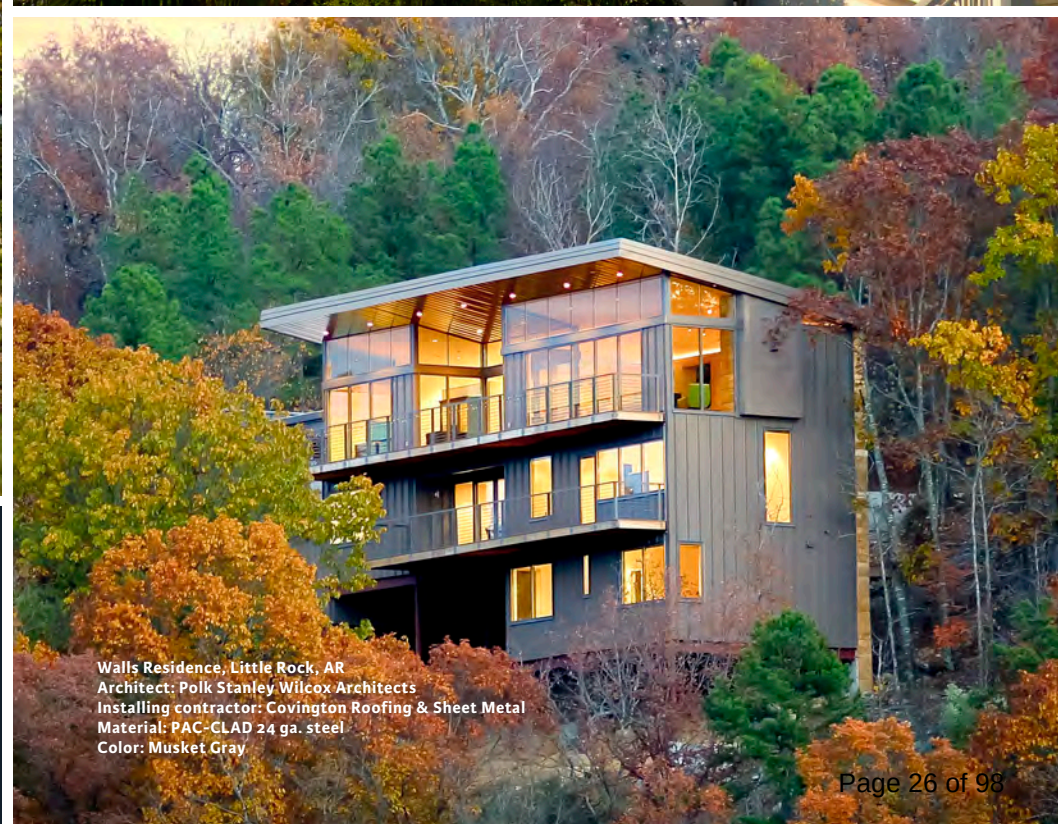
RESIDENTIAL



PRE-FINISHED METAL ROOFING

Cover Photo:
Residence, Burr Ridge, IL
Architect: Michael Buss Architects
Installing contractor: Complete Flashings
Builder: McNaughton Brothers Construction
Material: Snap-Clad .032 aluminum
Color: Charcoal

Residence, Ponte Vedra Beach, FL
Architect: Jaycox Reinel Architects
General contractor: C. F. Knight Inc.
Roofing fabricator: Thorne Metal Systems
Material: PAC-CLAD Slate Gray .040 aluminum



Walls Residence, Little Rock, AR
Architect: Polk Stanley Wilcox Architects
Installing contractor: Covington Roofing & Sheet Metal
Material: PAC-CLAD 24 ga. steel
Color: Musket Gray



PAC-CLAD
P E T E R S E N

AN ELEGANT PALETTE

Petersen's extensive color palette includes options that are complementary to most architectural styles, building materials including brick, stone and wood, plus exterior products such as siding, windows and doors.

▲★ PATINA GREEN	▲★ TEAL	▲★ HEMLOCK GREEN	FOREST GREEN	HARTFORD GREEN
▲★ EVERGREEN	▲★ HUNTER GREEN	▲★ ARCADIA GREEN	▲★ MILITARY BLUE	BERKSHIRE BLUE
▲ GRAPHITE	▲★ CHARCOAL	INTERSTATE BLUE	▲★ SLATE BLUE	AWARD BLUE
MATTE BLACK	▲★ DARK BRONZE	▲ BURNISHED SLATE	▲★ AGED BRONZE	▲★ MEDIUM BRONZE
▲★ MANSARD BROWN	BURGUNDY	▲★ TERRA COTTA	▲★ COLONIAL RED	▲★ CARDINAL RED
MIDNIGHT BRONZE	▲★ MUSKET GRAY	▲★ SIERRA TAN	▲★ SANDSTONE	▲★ ALMOND
▲★ SLATE GRAY	▲★ CITYSCAPE	▲★ GRANITE	▲★ STONE WHITE	▲★ BONE WHITE

Premium Colors

▲●★ ANODIC CLEAR	▲●★ SILVERSMITH	●▲★ SILVER	●▲★ CHAMPAGNE	●▲★ COPPER PENNY
●▲★ ZINC	●▲★ WEATHERED ZINC	★ WEATHERED STEEL	★ WEATHERED COPPER	●▲★ AGED COPPER

▲ Cool Colors ● Metallic Colors ★ Energy Star Colors ★ Premium Colors

Due to limitations of the printing process, color representation on the grid above is not 100% accurate. Please request a free color guide from your Petersen rep, architect or contractor to confirm your color choice before placing an order.

COLOR SELECTION TO BE FROM MFR'S STANDARD COLORS



Design: Stuart Cohen & Julie Hacker Architects
Photo: Tony Soluri Photography

A home with a metal roof stands with more pride than neighboring homes, and for good reason. The beauty of a metal roof is superior to the asphalt shingles most homeowners think of when envisioning a residential roof. A metal roof will perform better, too. The properties of metal combined with the incredible solar reflectivity of our superior PAC-CLAD paint coating can reduce the cost of heating and cooling a home. Additionally, a metal roof will last much longer and endure better than an asphalt or wood roof. While neighbors

complain about replacing their non-metal roofs, those living under metal roofs will beam with pride that theirs looks as good as the day it was installed.

SEE IT ON YOUR HOME TODAY

Drop a photo of any home into our online visualization tool to see how Petersen's PAC-CLAD products will look on it. Visit pac-clad.com and click on PAC E-Tools to work with the visualizer. Or, ask your contractor for assistance.

A LIFETIME INVESTMENT

Alvhem, Centreville, MD
Owner: Robert Dahl
Architect: Torchio Architects
Installing contractor: CitiRoof Corp.
Profile: Precision Series HWP
Color: Matte Black
Photo: Buchanan Studios Inc.

When considering a metal roof, discussions should focus on lifetime value, not upfront cost. A metal roof is for homeowners who appreciate its value. The price of a metal roof, which comes with an estimated lifetime of 50 years if properly maintained, can be up to three times the installed cost of other materials. In return for the investment, the made-in-the-USA metal roof will last 3 or 4 times longer than a typical residential roof.

METAL EXPERIENCE MATTERS

When choosing an architect or contractor, experience matters. A metal roof is a different animal that requires a specialized skill set to properly specify and install. Choosing architects and contractors with metal roof experience will maximize your metal roof's performance, and add a level of comfort to your decision.

NEW CONSTRUCTION OR REMODELING

A metal roof will look beautiful and perform well on a home built from the ground up, or on a home undergoing an exterior remodel or simple roof replacement. A good architect or designer can blend a Petersen metal roof or siding with any architectural style or color.

STEEL OR ALUMINUM

Petersen's PAC-CLAD metal roofing and siding products are available in either steel or aluminum. An experienced Petersen rep, architect or contractor will guide homeowners toward the material that's best for their home.

A GREEN, SUSTAINABLE PRODUCT

A Petersen metal roof is made with recycled content, qualifying it as a "green" or recycled-content product. It is also 100% recyclable at the end of its useful life, unlike other roofing materials which are routinely disposed of by the ton in landfills.

LITERALLY COOL COLORS

A PAC-CLAD metal roof from Petersen is available in 35 colors that are rated by the Cool Roof Rating Council, plus 31 that are Energy Star-rated. Coating technology that is specifically formulated for PAC-CLAD products reflects sunlight and cools a roof by emitting radiation to its surroundings. The roof stays cooler and reduces the amount of heat conducted to a home, saving up to 40% of a typical home's annual energy costs.

WARRANTY COVERAGE

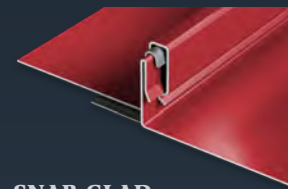
Petersen offers a limited 30-year finish warranty on its PAC-CLAD painted metal roof and siding panels. A weathertight warranty is available on selected metal roof products.

BEAUTIFUL PROFILES

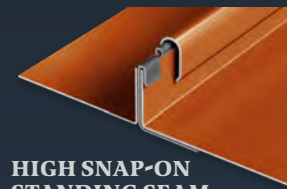


Private residence, Florida
Architect: T. S. Adams Studio Architects
Installing contractor: Cartercraft Roofing
Profiles: PAC-150, Flush panel
Colors: Weathered Zinc, Champagne

Metal Roofing



SNAP-CLAD



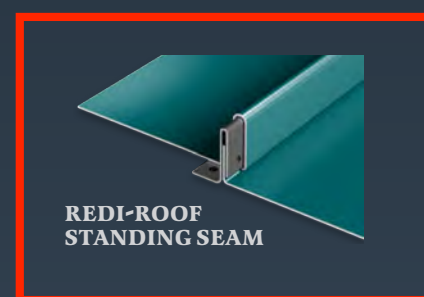
**HIGH SNAP-ON
STANDING SEAM**



**PAC-150
90° SINGLE LOCK**

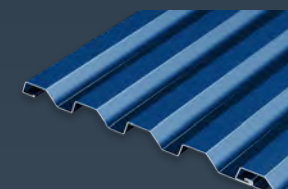


**PAC-150
180° DOUBLE LOCK**

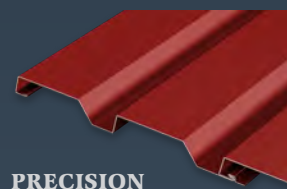


**REDI-ROOF
STANDING SEAM**

Siding



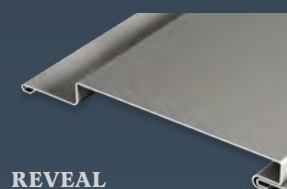
**PRECISION
SERIES HWP**



**PRECISION
SERIES
HIGHLINE 16-C**

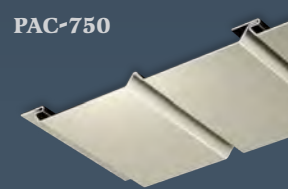


**FLUSH
PANEL**

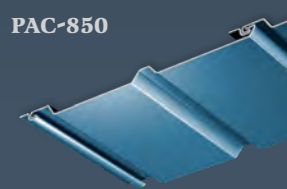


**REVEAL
PANEL**

Soffit Panels



PAC-750



PAC-850

Soffit panels come in solid, full-vented and half-vented variations.



Loewen

WINDOW & DOOR TECHNICAL GUIDE

Details, Sizing & Specifications

WOOD SPECIES

Authenticity is at the core of our product design, we continuously utilize genuine materials.

Coastal Douglas Fir - Our Standard

Douglas Fir is North America’s most plentiful softwood species; Loewen provides Coastal Douglas Fir as our standard because it is the best species for luxury projects. Coastal Douglas Fir is the premium grade of Douglas Fir, being the strongest and most durable of all the soft woods. Not only does it give our products a rich, warm texture, it is also remarkably tough and resilient. By choosing Coastal Douglas Fir as our standard we promise a beautiful future for our customers.

FEATURES

- The strength of Coastal Douglas Fir lies in its high natural resistance to moisture absorption, decay, and insect infestation
- Coastal Douglas Fir out-performs other Douglas Fir species and vastly outperforms other soft wood species (such as pine, etc.)
- Solid Coastal Douglas Fir is our standard where it is an upgrade for others; when offered as an upgrade, many of our competitors typically only provide it as a thin veneer over lesser materials

Available in many window and door configurations:	
Windows	Awning, Casement, Double Hung, Direct Set, Timber Curtain Wall, Specialty shapes and Custom configurations
Doors	Terrace Swing, Sliding Patio, Bifold, MultiSlide and LiftSlide



ALUMINUM CLADDING

Our extruded aluminum cladding is intricately detailed and withstands serious impact without sustaining damage.

Loewen uses only pre-finished extruded aluminum cladding to better protect window and door exteriors and eliminate the need for painting. Our thick extruded aluminum cladding retains its shape, resists denting and lasts longer than roll-formed aluminum. In addition, Loewen’s window cladding is set away from the underlying wood, creating an airspace that improves performance.

FEATURES

- Withstands serious impact without sustaining damage
- Allows intricate extrusion detailing
- Provides the malleability necessary to clad many sizes and shapes
- Delivers unequaled environmental durability
- Provides a stable substrate that enhances paint and anodized performance

Available in many window and door configurations:	
Windows	Awning, Casement, Double Hung, Direct Set, Timber Curtain Wall, Specialty shapes and Custom configurations
Doors	Terrace Swing, Sliding Patio, Bifold, MultiSlide and LiftSlide



Performance

Our windows and doors are among the highest performing in the industry. Performance keeps homes comfortable and energy efficient, and strength protects against the worst nature can deliver. We achieve this through a commitment to produce the highest quality products possible, using only the highest quality materials. Loewen provides solutions ideal for diverse environments from the cold, harsh North to sunny South and tropical storm threatened regions

Loewen products are engineered to comply with and exceed building codes in North America. Each test is conducted by an independent agency and is based on extreme conditions and varying product sizes. Code compliance is a fundamental aspect of our product design. Many of our products meet the performance requirements for Energy Star™. The National Fenestration Rating Council empirically shows that Loewen products are among the industry’s best in terms of thermal performance.



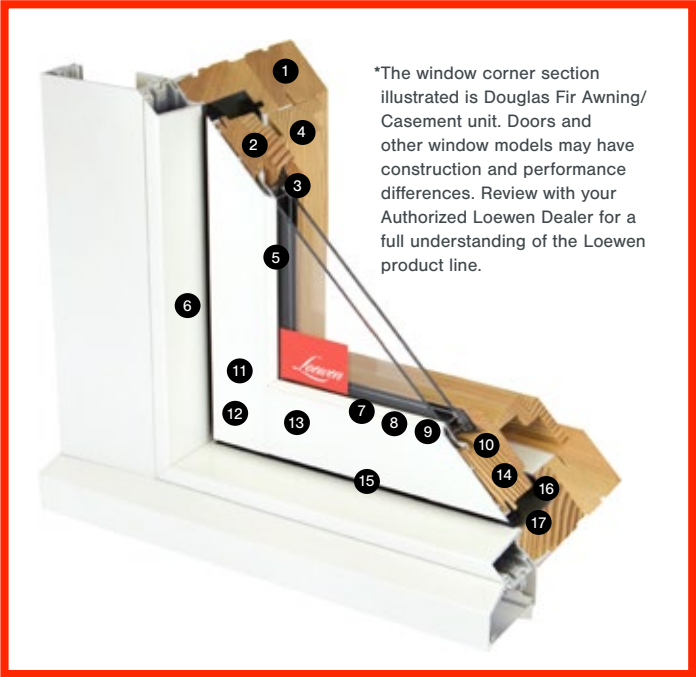
Steve Wisenbaker Architects

LOEWEN BASICS

Loewen windows are highly customizable. Whether you are retrofitting an elegant traditional home or seeking a contemporary look, Loewen has the ideal solution.

Loewen engineering results in uncommon strength and durability, enabling dramatic design, innovation and inspiration.

- | | |
|----|---|
| 1 | Coastal Douglas Fir for strength and rigidity (other species available). |
| 2 | Laminated sash for enhanced structural stability and a tight weather seal. |
| 3 | Dual seal on glass units for long hermetic seal life. |
| 4 | Natural clear wood interior, ideal for staining or painting. |
| 5 | Profiled sash edge for a finished look and integration with Simulated Divided Lite (SDL) bars. |
| 6 | Optional extruded aluminum cladding, for low maintenance, available in a wide range of colors (Cyprium cladding available). |
| 7 | No metal-to-glass contact, ensures improved energy efficiency. |
| 8 | Triple seal glazing system available on metal clad units to effectively block moisture infiltration. |
| 9 | Hidden venting channel allows condensation to escape, increasing seal and sash life. |
| 10 | Authentic stile and rail construction. No mitered sash corners. |



- | | |
|----|---|
| 11 | Mortise and tenon sash corner joinery, for structural stability. |
| 12 | Tall bottom rail available to create a custom architectural look reminiscent of traditional joinery and to enhance structural stability and strength. |
| 13 | Airspace between wood and window cladding, for air circulation and added insulation value. |
| 14 | Secondary weatherstrip to deflect wind-driven rain from primary seal. |
| 15 | Continuous primary weather-stripping, for maximum protection against air and water infiltration. |
| 16 | Polypropylene liner for added protection from the weather. |

Standard Paint Palette (AAMA 2605)

We have worked with industry professionals and designers to define our palette of exterior metal clad colors and finishes. These paints meet the specifications of the American Architectural Manufacturers Association (AAMA) 2605. The qualities of this paint provide robust weathering, fade, and chalk resistance and a beautiful finish that lasts for decades when cared for properly.

AAMA 2605 / 70% Kynar Finishes

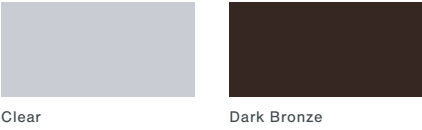


Anodized Finishes (AAMA 611)

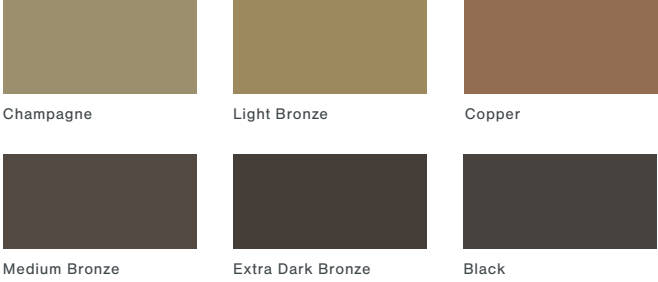
A durable alternative to painted coatings, our Anodized Finishes offer a rich matte look that reduces sunlight glare and allows the aluminum to maintain its metallic appearance. In addition to the aesthetically desirable etching, our Anodized Finishing also increases resistance to abrasion.

**Anodized finishes are not recommended in coastal environments*

STANDARD ANODIZED FINISHES



ADDITIONAL ANODIZED FINISHES



Due to technical print limitations colors and finishes may not be exactly as shown

Additional Custom Paint Palette (AAMA 2605)

When personal style or design dictates a unique color solution, just tell us what your wish is. Our standard range of aluminum clad colors is enhanced with the choice of true custom color specification. The integral cross matching system and color approval process ensures that you get the exact color you want every time.

AAMA 2605 / 70% Kynar Finishes



Due to technical print limitations colors and finishes may not be exactly as shown

DIVIDED LITES AND GRILLES

Simulated Divided Lite (SDL) bars add a distinctive design feature to full-size panes of glass. Wood or metal bars securely bonded to the outer surfaces of the sealed glass unit simulate the appearance of traditional true divided lites.

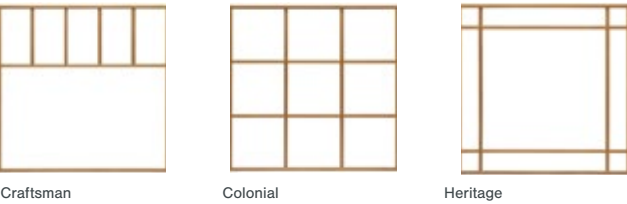
Available with straight or radius bars.

Additional airspace bars (between the glass) complete a convincing reproduction of a multi-paned window or door. Our spacer bars function among the best in the industry and provide an intriguing aesthetic appearance in stainless steel or black color options. Wide shadow bars fill more of the airspace replicating the look of True Divided Lites. Narrow shadow bars also provide a similar appearance while allowing for improved sealed unit performance.

Exterior Bar Options

	Ogee	Putty
Cross Section		
5/8" [16]		
3/4" [19]		
7/8" [22]		
1-1/8" [30]		
2" [51]		

Simulated Divided Lite (SDL) Standard Patterns



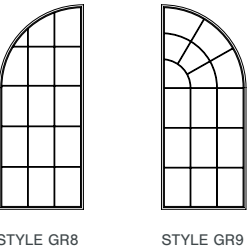
Extended Half Round



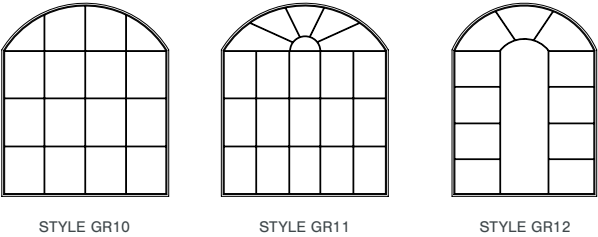
Extended Half Ellipse



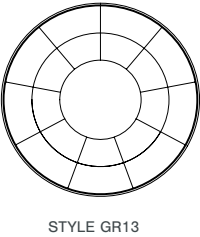
Extended Quarter Round



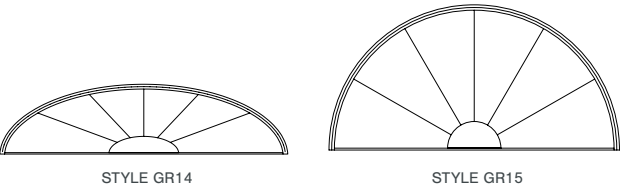
Extended Full Chord



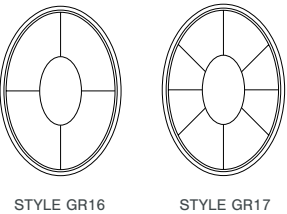
Full Round



Sunburst



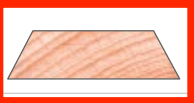
Oval



Note: Number of grille bars and spacing is determined by the size of the unit. Grille type may not be available in all units. Custom patterns available for approval.

Information is subject to change without notice. | CAD download and installation instructions: www.loewen.com

Awning & Casement Units
Types of Simulated Divided Lite

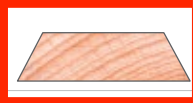
Application	Available SDL	5/8" [16mm]	3/4" [19mm]	7/8" [22mm]	1-1/8" [30mm]	2" [50mm]
MC Exterior	Ogee					
Interior	Ogee					
MC Exterior	Putty					
NC Exterior / Interior	Putty					
Interior	Square					
Interior	Impact Ogee					
NC Exterior	Ogee					



Note: MC = Metal Clad, NC = Non Clad

Information is subject to change without notice. | CAD download and installation instructions: www.loewen.com

Double/Single Hung Units
Types of Simulated Divided Lite

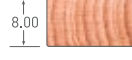
Application	Available SDL	5/8" [16mm]	3/4" [19mm]	7/8" [22mm]	1-1/8" [30mm]	2" [50mm]
MC Exterior	Ogee					
Interior	Ogee					
MC Exterior	Putty					
NC Exterior / Interior	Putty					
Interior	Square					
Interior	Impact Ogee					
NC Exterior	Ogee					



Note: MC = Metal Clad, NC = Non Clad

Information is subject to change without notice. | CAD download and installation instructions: www.loewen.com

Terrace/French & Bifold Door Unit
Types of Simulated Divided Lite

Application	Available SDL	5/8" [16mm]	3/4" [19mm]	7/8" [22mm]	1-1/8" [30mm]	2" [50mm]
MC Exterior	Ogee					
Interior	Ogee					
MC Exterior	Putty					
NC Exterior / Interior	Putty					
Interior	Square					
Interior	Impact Ogee [MP]					
Interior	Impact Ogee [MP]					
NC Exterior	Ogee					

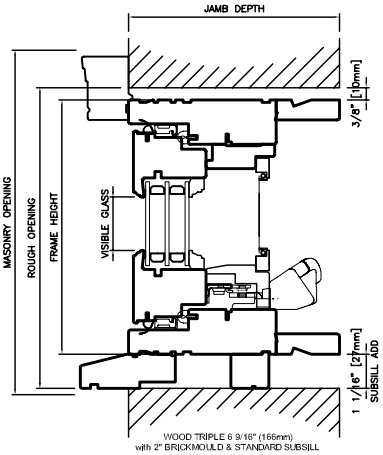
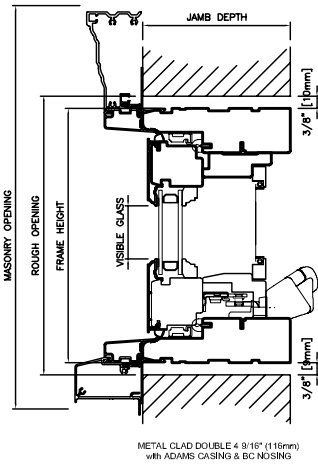
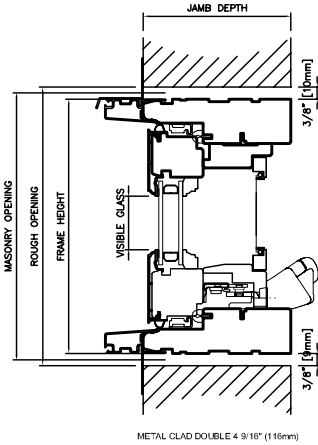


Note: MC = Metal Clad, NC = Non Clad

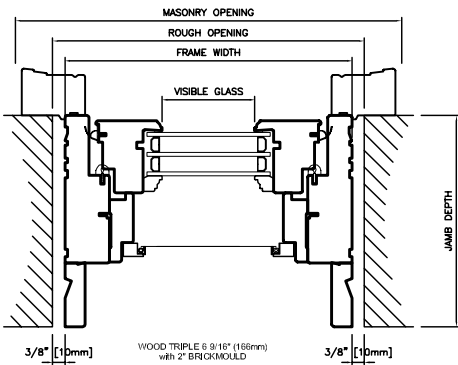
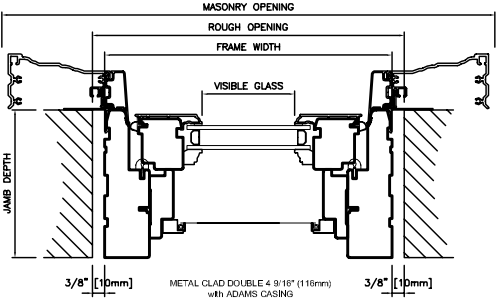
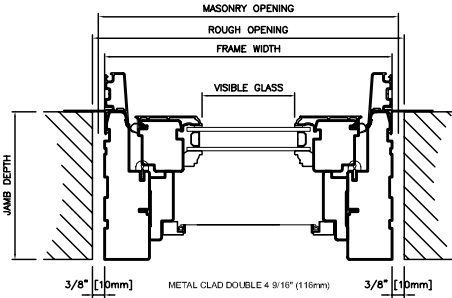
Information is subject to change without notice. | CAD download and installation instructions: www.loewen.com

Casing, Jamb & Opening
Definitions

Head & Sill Detail



Plan View



Information is subject to change without notice. | CAD download and installation instructions: www.loewen.com

Metal Clad Casing, Sill Nose & Accessories



Direct Mull Cover



1/4" Spread Mull Cover



1" Spread Mull Cover



1 1/2" Spread Mull Cover



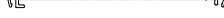
2" Spread Mull Cover



2 1/2" Spread Mull Cover



3" Spread Mull Cover



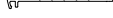
4" Spread Mull Cover



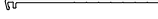
6" Spread Mull Cover



1" Frame Expander



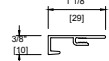
2" Frame Expander



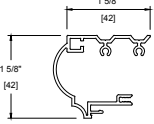
3" Frame Expander



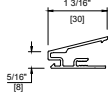
4" Frame Expander



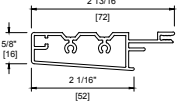
Kerf Casing



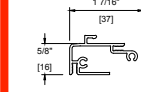
Nose & Cove Casing



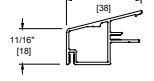
Double Hung Multi-Lite Sill Nose



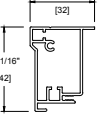
2" Clad Frame Extension



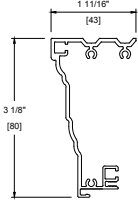
Standard Sill Nose



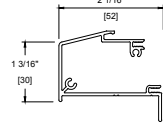
Double Hung Standard Sill Nose



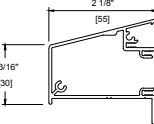
2" Brickmould



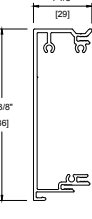
Adams Casing



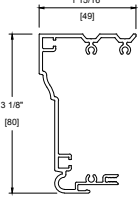
BC Sill Nose



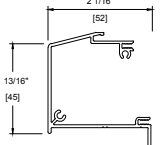
Double Hung BC Sill Nose



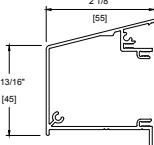
3 1/2" Flat Casing



Williamsburg Casing



Heritage Sill Nose



Double Hung Heritage Sill Nose



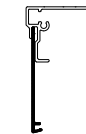
Adjustable Brickmould



H-Clip



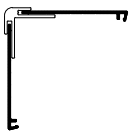
L-Clip



Add frame expander for custom height brickmould.



Add frame expander for custom mull cover.



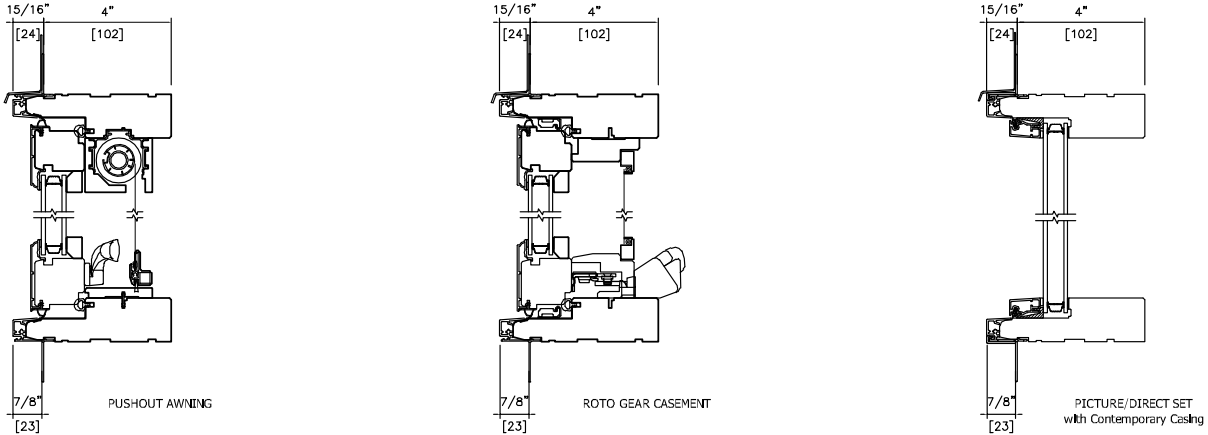
Add frame expander for custom corner cover.

Note: • Other jamb widths available.

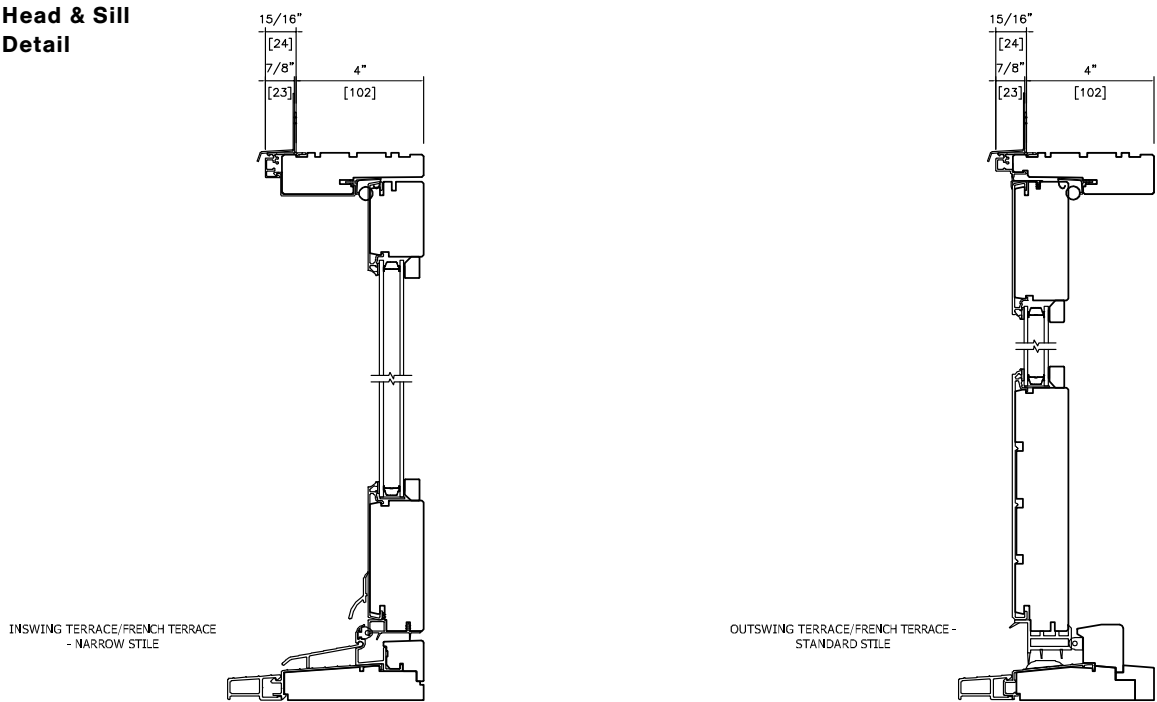
Information is subject to change without notice. | CAD download and installation instructions: www.loewen.com

Contemporary Frame Cladding

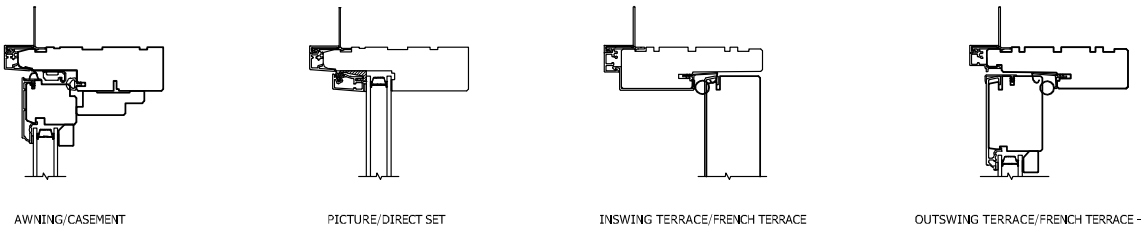
Head & Sill Detail



Head & Sill Detail



Casing

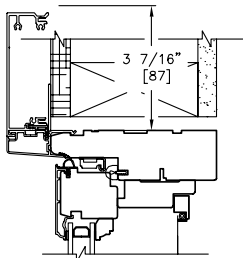


Information is subject to change without notice. | CAD download and installation instructions: www.loewen.com

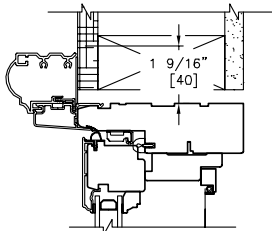
Masonry Opening
Metal Clad

Casing Options

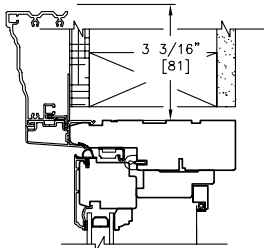
31/2" Flat Casing.
Add 3 7/16" (87mm) to
Frame Dimensions at
Head & Sides.



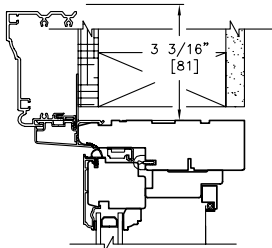
Nose & Cove Casing.
Add 1 9/16" (40mm) to
Frame Dimensions at
Head & Sides.



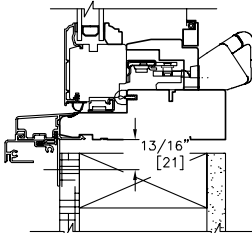
Adams Casing.
Add 3 3/16" (81mm) to
Frame Dimensions at
Head & Sides.



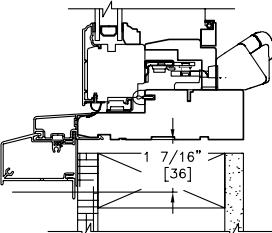
Williamsburg Casing.
Add 3 3/16" (81mm) to
Frame Dimensions at
Head & Sides.



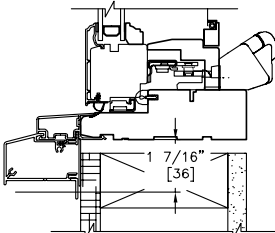
Sill Nose Options



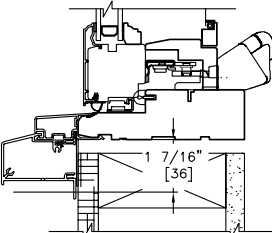
Standard Sill Nose.
Add 13/16" (21mm) to
Frame Dimension at Sill.



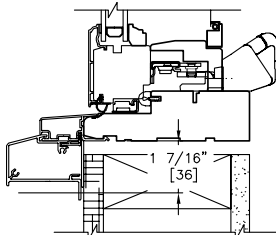
BC Sill Nose.
Add 1 7/16" (36mm) to
Frame Dimension at Sill.



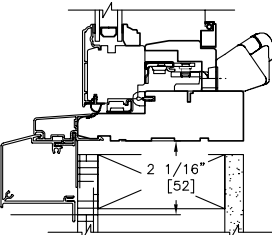
BC Sill Nose.
Add 1 7/16" (36mm) to
Frame Dimension at Sill.



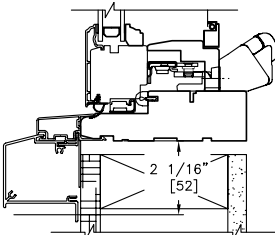
BC Sill Nose.
Add 1 7/16" (36mm) to
Frame Dimension at Sill.



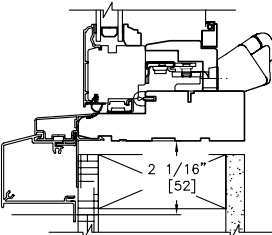
BC Sill Nose.
Add 1 7/16" (36mm) to
Frame Dimension at Sill.



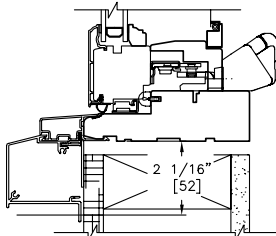
Heritage Sill Nose.
Add 2 1/16" (52mm) to
Frame Dimension at Sill.



Heritage Sill Nose.
Add 2 1/16" (52mm) to
Frame Dimension at Sill.



Heritage Sill Nose.
Add 2 1/16" (52mm) to
Frame Dimension at Sill.



Heritage Sill Nose.
Add 2 1/16" (52mm) to
Frame Dimension at Sill.

EXAMPLE #1: CA1 7515 with 2" Brickmould & Standard sill nose.
Frame dimensions, 29 1/2" (750mm) x 59 1/16" (1500mm).
Masonry width = 29 1/2" (750mm) + [1 11/16" (43mm) x 2] = 32 7/8" (836mm)
Masonry height = 59 1/16" (1500mm) + 1 11/16" (43mm) + 13/16" (21mm) = 61 9/16" (1564mm)

EXAMPLE #2: CA1 0918 with Adams casing & BC sill nose.
Frame dimensions, 35 7/16" (900mm) x 70 7/8" (1800mm).
Masonry width = 35 7/16" (900mm) + [3 3/16" (81mm) x 2] = 41 13/16" (1062mm)
Masonry height = 70 7/8" (1800mm) + 3 3/16" (81mm) + 1 7/16" (36mm) = 75 1/2" (1917mm)

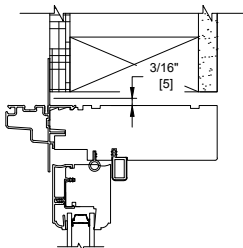
Note: • Other jamb widths available.

Information is subject to change without notice. | CAD download and installation instructions: www.loewen.com

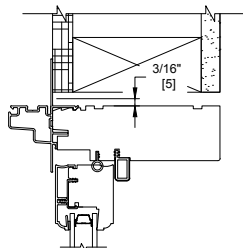
Masonry Opening
Metal Clad - Double Hung

Casing Options

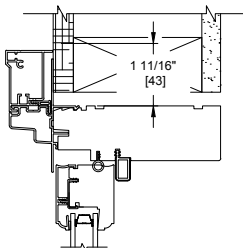
Frame Cladding Only.
Add 3/16" (5mm) to
Frame Dimensions at
Head & Sides.



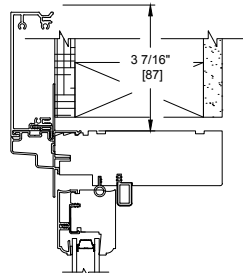
Frame Cladding Only.
Add 3/16" (5mm) to
Frame Dimensions at
Head & Sides.



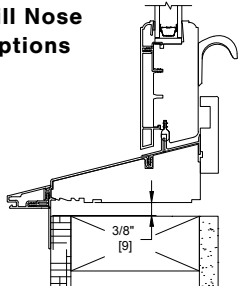
2" Brickmould.
Add 1 11/16" (43mm) to
Frame Dimensions at
Head & Sides.



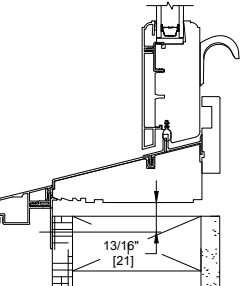
31/2" Flat Casing.
Add 3 7/16" (87mm) to
Frame Dimensions at
Head & Sides.



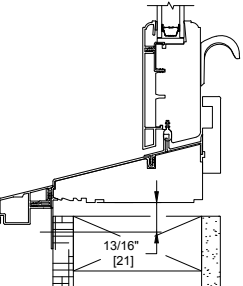
Sill Nose
Options



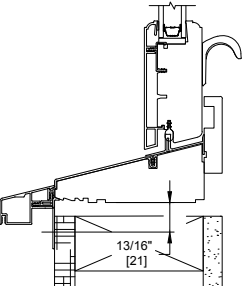
Multi Lite Sill Nose.
Add 3/8" (9mm) to Frame
Dimension at Sill.



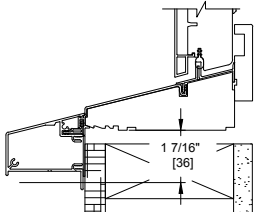
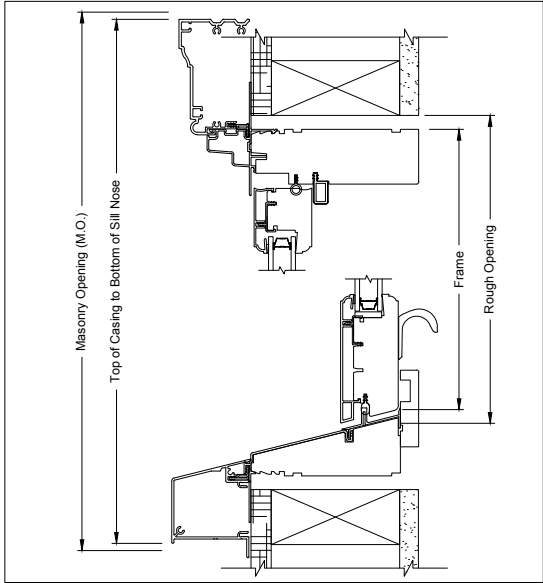
Standard Sill Nose.
Add 13/16" (21mm) to
Frame Dimension at Sill.



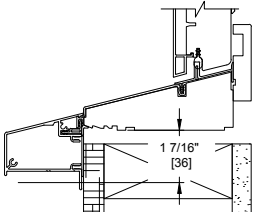
Standard Sill Nose.
Add 13/16" (21mm) to
Frame Dimension at Sill.



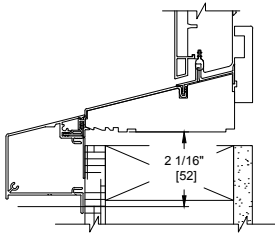
Standard Sill Nose.
Add 13/16" (21mm) to
Frame Dimension at Sill.



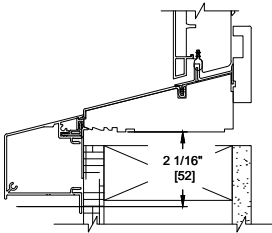
BC Sill Nose.
Add 1 7/16" (36mm) to
Frame Dimension at Sill.



BC Sill Nose.
Add 1 7/16" (36mm) to
Frame Dimension at Sill.



Heritage Sill Nose.
Add 2 1/16" (52mm) to
Frame Dimension at Sill.



Heritage Sill Nose.
Add 2 1/16" (52mm) to
Frame Dimension at Sill.

Note: • Other jamb widths available.

Information is subject to change without notice. | CAD download and installation instructions: www.loewen.com



WINDSOR
WINDOWS & DOORS

REMODELING

Window and Patio Door Replacement



The History of Windsor Windows & Doors

Windsor Windows & Doors began in Des Moines, Iowa, in 1946. Today, the company is a strong contender in the residential and light commercial building market. For nearly 75 years, Windsor has built a strong reputation among architects, builders, contractors and homeowners by crafting some of the finest windows and doors available, at fair prices.

Windsor is owned by Woodgrain Millwork, Inc., the largest manufacturer of mouldings and interior doors in the United States. Windsor has streamlined its manufacturing processes, invested in state-of-the-art equipment, engineered innovative new designs and expanded the product offering within Windsor's four distinct product lines:

1. **PINNACLE:** Wood clad and primed wood windows and patio doors
2. **LEGEND:** Cellular PVC windows
3. **NEXT DIMENSION:** Vinyl windows and patio doors
4. **REVIVE™:** Wood clad, hybrid and vinyl pocket replacement windows

Windsor's corporate headquarters is in West Des Moines, Iowa, with a 340,000-square-foot manufacturing plant as well as a 167,000-square-foot facility in Norwalk, Iowa. Windsor also operates a 200,000-square-foot production facility in Monroe, North Carolina.



CHOOSE YOUR PRODUCT LINE

REPLACEMENT OPTIONS

Pocket Replacement Window

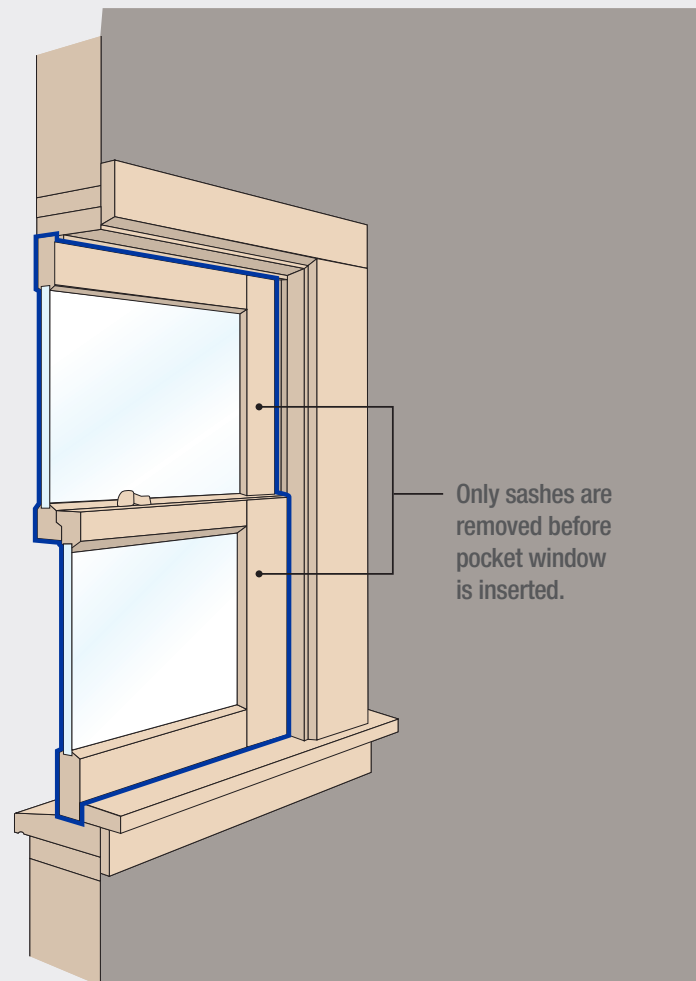
Designed for convenience, ease of operation and energy efficiency, Windsor's Pocket Replacement Windows make replacement quick and easy. This product line offers faster, less-complicated installations while preserving your home's design details assuring a precise fit.

HOW IT'S DONE:

Only the existing window sashes are removed. Then, the replacement window is installed into the existing window frame, resulting in a slightly smaller glass area.

Why choose this type of window replacement:

- Your home's interior trim, paint, plaster or wallpaper, and exterior siding, stucco or brickwork, are typically not disturbed – that means no extra costs to repair or replace them.
- Your window is built to order in the size you need for a precise fit.
- Easy installation – pocket replacement windows are quick and minimally invasive to install from the inside or the outside of your home.



Full Frame Window

If your home is showing significant rot or deterioration to the exterior wood components of the window openings, your window replacement will most likely involve a complete frame tear out. The extent of construction for this replacement is similar to that for window installation in new home construction.

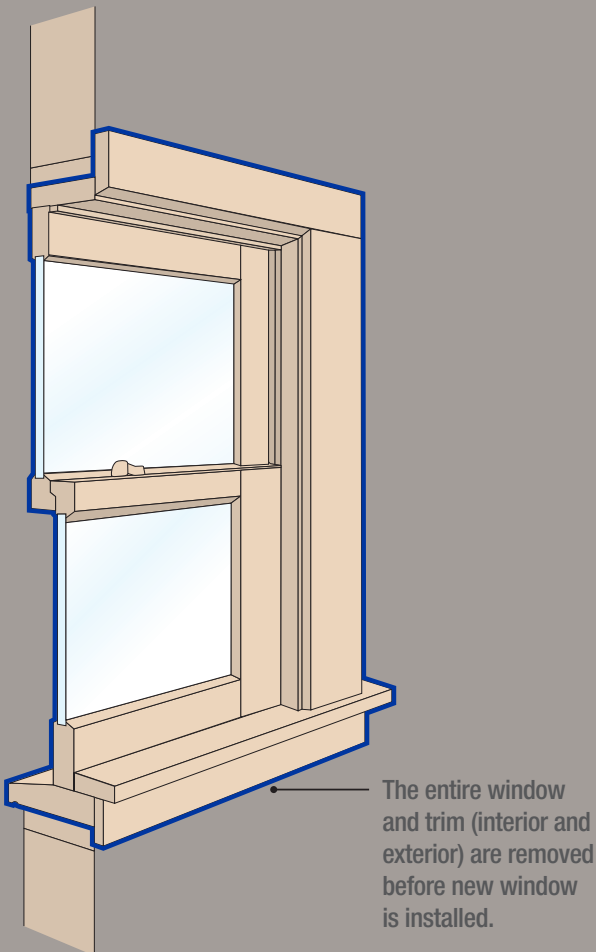
In this remodel, the entire window is removed, including exterior trim and windowsills, as well as interior window trim, leaving only the rough opening. Because of additional materials and labor required in a complete frame tear out, the cost will be more than that of a standard pocket style replacement. However, the results bring many benefits, including upgraded materials with more weather tested options, and more visible glass.

HOW IT'S DONE:

The entire existing window is removed – including sashes, frame and trim.

Why choose this type of window replacement:

- Your existing window frame is damaged.
- You want to change the window style or size of your window opening.



CHOOSE YOUR MATERIALS



WOOD CLAD

**Heavy-duty aluminum exterior
+ The beauty of natural wood
on the interior**

Match the craftsmanship of your home's interior trim with Windsor's wood clad option. The powder-coated extruded aluminum exterior is extremely durable – withstanding the harshest weather conditions – while the wood construction complements your home's interior.

Limited 20/10 warranty



HYBRID

**Heavy-duty aluminum frame exterior
+ High-density cellular PVC sashes**

Windsor's hybrid option combines the best of materials and beauty, providing solid protection against dents and chips and utmost style. You can even paint it like real wood to express your home's style.

Limited 20/10 warranty



VINYL

If effortless care is what you're seeking in a window, vinyl is the answer. This option offers smooth operation, weather tight fit and virtually care-free maintenance.

Limited lifetime warranty

Aluminum cladding refers to the covering on the exterior of a window and door unit. The aluminum covers the entire exterior of the window or door, protecting the product from the outside elements and reducing the amount of maintenance required. We use only heavy-duty .050 extruded aluminum cladding, versus thin roll form aluminum. It is sturdier and more resistant to exterior damage, including dents and chips. Aluminum cladding is available in a wide variety of colors, including custom color matching, and does not need to be painted.

On the interior of a window or door unit, you can enjoy the strength and beauty of natural wood. Windsor offers a variety of interior wood species including Clear Select Pine, Natural Alder and Douglas Fir so you can choose the option that best complements your home's decor.

Aluminum cladding refers to the covering on the exterior of a window and door unit. The aluminum covers the entire exterior of the window or door, protecting the product from the outside elements and reducing the amount of maintenance required. We use only heavy-duty .050 extruded aluminum cladding, versus thin roll form aluminum. It is sturdier and more resistant to exterior damage, including dents and chips. Aluminum cladding is available in a wide variety of colors, including custom color matching, and does not need to be painted.

Cellular PVC is a vinyl extrusion that uses a cutting-edge process to improve the density of the material. The end result is a highly-engineered, high-endurance material with the look of painted wood and the no-rot performance of cellular PVC.

Looking for windows that are effortless to care for? Windsor vinyl windows offer superior energy efficiency, low maintenance and high performance, which is why they're backed by a limited lifetime warranty. Smooth operation, excellent weather resistance, exceptional strength and a guarantee against fading, peeling and chipping make our vinyl products the smart choice that you can enjoy for a lifetime.

Vinyl is a man-made material that is very resistant to moisture and humidity and can be manufactured in a variety of colors. Windsor offers a painted vinyl option with an exterior applied with one of seven standard colors utilizing AquaSurTech™ paint (color options may vary based on white or clay vinyl). The AquaSurTech™ formula is engineered to provide superior adhesion to PVC vinyl profiles and certified to meet the most stringent paint standard for vinyl extrusions.

POCKET REPLACEMENT WINDOW

Wood Clad

FEATURE	BENEFIT
Extruded aluminum cladding	Holds up in the toughest weather conditions
Corners screwed, silicone injected and keyed	Ensures the highest quality product every time
Narrow sitelines	Provides maximum viewing area
Many hardware finishes and grille options	Fits a range of projects, from historic to modern
Single lever lock with multiple locking points	Provides tight seals for energy efficiency



Hybrid

FEATURE	BENEFIT
Narrow sitelines	Provides maximum viewing area
Single lever lock with multiple locking points	Creates tight seals for energy efficiency



Vinyl

FEATURE	BENEFIT
Fusion welded frame and sash	Maximizes strength and quality
Vinyl exterior and interior	Assures low maintenance
Truth hardware comes standard	Industry leading hardware at no extra cost
Single lever lock with multiple locking points	Creates tight seals for energy efficiency

FULL FRAME WINDOW

Wood Clad

FEATURE	BENEFIT
Extruded aluminum cladding	Holds up in the toughest weather conditions
Recessed locks and keepers	Keeps views unobstructed
EZ Tilt operation	Enables quick, easy cleaning and removal of sash
Block and tackle balances	Provides easy operation time after time



Hybrid

FEATURE	BENEFIT
Extruded aluminum frame cladding	Offers maintenance-free care inside and out
EZ Tilt operation	Enables quick, easy cleaning and removal of sash
Block and tackle balances	Provides easy operation time after time



Vinyl

FEATURE	BENEFIT
EZ Tilt operation	Enables quick, easy cleaning and removal of sash
Block and tackle balances	Provides easy operation time after time
Integral lift/pull handle	Allows easy access and operation



Wood Clad | PINNACLE SELECT

FEATURE	BENEFIT
Extruded aluminum cladding	Holds up in the toughest weather conditions
Available in both push out and crank out styles as well as a French push out	Provides options to meet your unique lifestyle and your home's decor
Supports triple-glazed insulating glass (IG)	Delivers maximum energy efficiency
Retractable roll screen option	Roll screen is ready for use at any time but concealed when not needed



Retractable screens have a solid wood pull at the bottom for easy operation. Spring-loaded units pull down from the top and lock into place at the sill.

CASEMENT



Wood Clad | PINNACLE

FEATURE	BENEFIT
Corners are silicone injected and corner keyed	Ensures the highest quality product every time
Narrow sitelines	Provides maximum viewing area
Many hardware, interior stop and grille options	Offers appropriate options for many projects, from historic to modern
Single lever lock with multiple locking points for tight seals	Securely seals the window against drafts



Vinyl | NEXT DIMENSION SIGNATURE

FEATURE	BENEFIT
Low-maintenance white or clay exterior/interior	Holds up in the toughest weather conditions
Single lever lock with multiple locking points for tight seals	Securely seals the window against drafts

DOUBLE HUNG

Wood Clad | PINNACLE

FEATURE	BENEFIT
Extruded aluminum cladding	Holds up in the toughest weather conditions
EZ Tilt operation	Assures quick, easy cleaning and removal of sash
Recessed locks and keepers	Keeps view undisturbed
Block and tackle balances	Provides easy operation time after time



Vinyl | NEXT DIMENSION CLASSIC

FEATURE	BENEFIT
EZ Tilt operation	Assures quick, easy cleaning and removal of sash
Both sashes operate	Affords superior air flow when open
Lock and keeper and check rail interlock	Creates high-performance seal
Block and tackle balances	Provides easy operation time after time

DIRECT SET/ARCH TOP

Wood Clad | PINNACLE

FEATURE	BENEFIT
Extruded aluminum cladding	Holds up in the toughest weather conditions
Geometric shapes: Triangles, rectangles, trapezoids, octagons and many others	Offers multiple choices for virtually limitless design creativity and product application
Radius shapes: Half rounds, extended half rounds, equal/unequal leg arch, circles, ovals and many others	Low profile option available in radius and direct set



Vinyl | NEXT DIMENSION

FEATURE	BENEFIT
Vinyl exterior/interior	Provides low-maintenance care
Geometric shapes: Triangles, rectangles, trapezoids, octagons and many others	Offers multiple choices for virtually limitless design creativity and product application
Radius shapes: Half rounds, extended half rounds, equal/unequal leg arch, circles, ovals and many others	

WOOD CLAD AND HYBRID ACCESSORIES

GRILLES All of our **wood** and cellular PVC (CPVC) Windsor **Divided Lite bars** are hand-fitted to ensure a perfect fit.



7/8" & 1-1/4"
Perimeter Grille



7/8" & 1-1/4"
Stick Grille



3/4" & 1"
Profiled Inner Grille



13/16" Flat Inner Grille
(Not available on Select)



7/8" & 1-1/4"
Exterior Clad Ogee
Windsor Divided Lite



7/8" & 1-1/4"
Exterior CPVC Ogee
Windsor Divided Lite
(Primed only)



5/8", 7/8", 1-1/4" & 2"
Tall Putty
Windsor Divided Lite



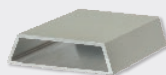
5/8", 7/8", 1-1/4" & 2"
Short Putty
Windsor Divided Lite



5/8", 7/8", 1-1/4" & 2"
Short Tall and Short
Contemporary Windsor
Divided Lite



5/8", 7/8", 1-1/4" & 2"
Tall Interior Contemporary
Windsor Divided Lite



2" Tall Putty
Simulated Check Rail



2" Exterior Low Profile
Simulated Check Rail



2" CPVC Simulated
Check Rail *(Primed only)*



3-3/8"
Simulated Mid Rail

EXTERIOR TRIM

Clad Exterior Casing Options



WM 180
Brickmould



WM 180 Solid
Back Brickmould



Williamsburg



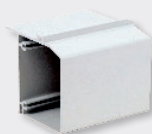
3-1/2"
Flat



3/8"
Subsill



1-1/4"
Subsill



2-1/4"
Subsill



Traditional Flush Fin
*(Casement/awning with
3-1/4" frame only)*

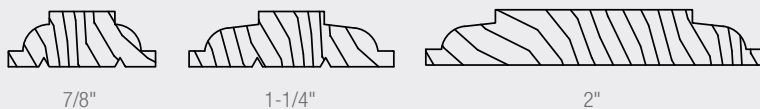


Contemporary Flush Fin
*(Casement/awning with
3-1/4" frame only)*

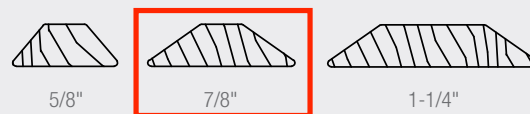
WOOD CLAD AND HYBRID ACCESSORIES

GRILLE PROFILES

Interior Grilles – Ogee



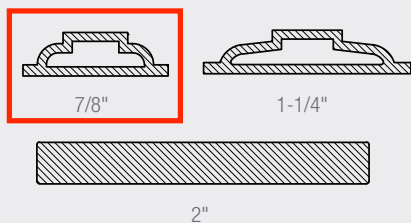
Interior Grilles – Putty



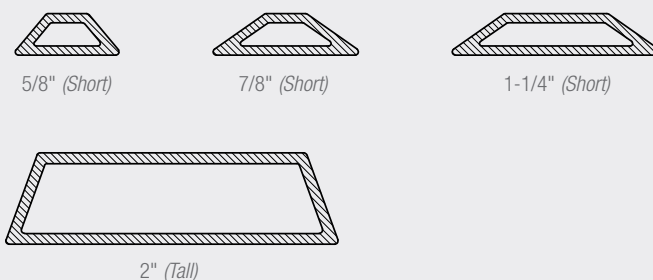
Interior Grilles – Contemporary



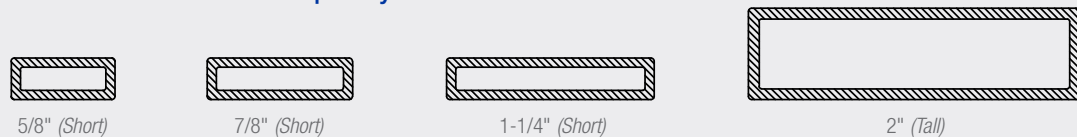
Exterior Grilles – Putty



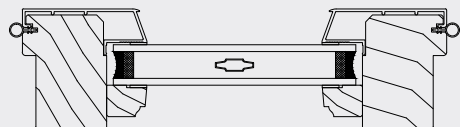
Exterior Grilles – Ogee



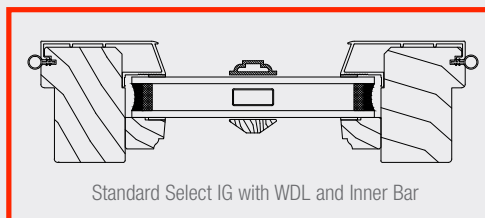
Exterior Grilles – Contemporary



GRILLE SECTIONS



Standard Select IG with Inner Grille

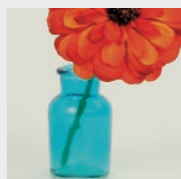


Standard Select IG with WDL and Inner Bar

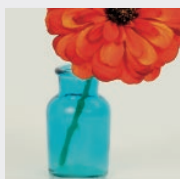
GLASS AND GRILLE ACCESSORIES

GLASS *Special order item.

Units with 1-1/4" OA triple IG are only available in LoE 366/180, obscure, satin etch, glue chip, rain and reed glass.



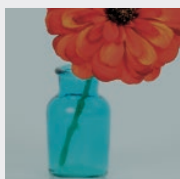
LoE 366 (Standard)



Dual Low-E



LoE 180



LoE 240



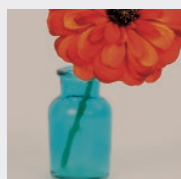
LoE 272



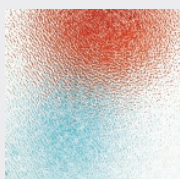
Clear



Gray Tint



Bronze Tint



Obscure



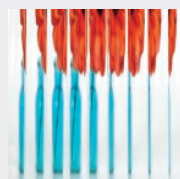
Satin Etch



Glue Chip*

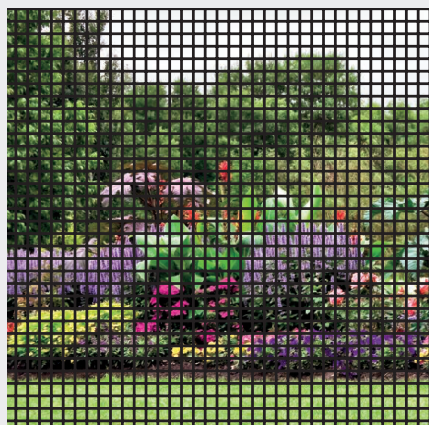


Rain*

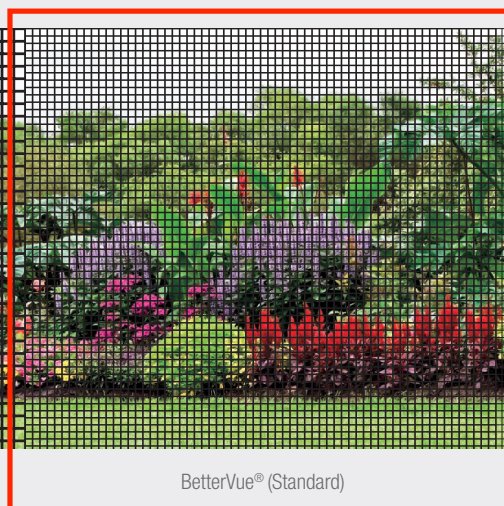


Reed*

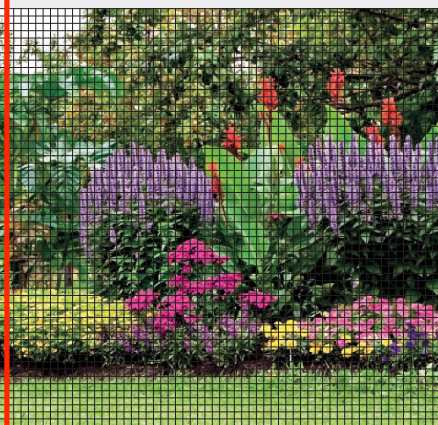
SCREENS



Conventional Screen Mesh

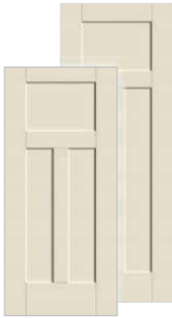


BetterVue® (Standard)



UltraVue®

Fiber-Classic® & Smooth-Star®

 Smooth S755 2'8" x 6'8" 2'10" x 6'8" 3'0" x 6'8"	 Oak FC862 2'8" x 8'0" 2'10" x 8'0" 3'0" x 8'0"	 Smooth S31 2'8" x 6'8" 2'10" x 6'8" 3'0" x 6'8"	 Smooth S831 2'8" x 8'0" 2'10" x 8'0" 3'0" x 8'0"	 Oak FC808 2'8" x 6'8" 2'10" x 6'8" 3'0" x 6'8"	 Smooth S960 2'8" x 6'8" 2'10" x 6'8" 3'0" x 6'8"	 Smooth S4800 2'8" x 6'8" 2'10" x 6'8" 3'0" x 6'8"	 Smooth S84800 2'8" x 8'0" 2'10" x 8'0" 3'0" x 8'0"	
 Mahogany FCM600 2'8" x 6'8" 2'10" x 6'8" 3'0" x 6'8"	 Smooth S600 2'8" x 6'8" 2'10" x 6'8" 3'0" x 6'8"	 Smooth S8600 2'8" x 8'0" 2'10" x 8'0" 3'0" x 8'0"	 Mahogany FCM134 2'8" x 6'8" 2'10" x 6'8" 3'0" x 6'8"	 Smooth S11 2'8" x 6'8" 2'10" x 6'8" 3'0" x 6'8"	 Mahogany FCM60 2'8" x 6'8" 2'10" x 6'8" 3'0" x 6'8"	 Mahogany FCM860 2'8" x 8'0" 2'10" x 8'0" 3'0" x 8'0"	 Oak FC60 2'6" x 6'8" ‡ 2'8" x 6'8" ‡ 2'10" x 6'8" ‡ 3'0" x 6'8" ‡	 Oak FC860 2'8" x 8'0" 2'10" x 8'0" 3'0" x 8'0"
 Smooth S210 2'6" x 6'8" 2'8" x 6'8" ‡ 2'10" x 6'8" ‡ 3'0" x 6'8" ‡	 Smooth S810 2'6" x 8'0" 2'8" x 8'0" 2'10" x 8'0" 3'0" x 8'0"	 Mahogany FCM1000 2'0" x 6'8" 2'4" x 6'8" 2'6" x 6'8" ‡ 2'8" x 6'8" ‡ 2'10" x 6'8" ‡ 3'0" x 6'8" ‡	 Mahogany FCM81000 2'0" x 8'0" 2'4" x 8'0" 2'6" x 8'0" 2'8" x 8'0" 2'10" x 8'0" 3'0" x 8'0"	 Oak 1000 2'0" x 6'8" 2'4" x 6'8" ‡ 2'6" x 6'8" ‡ 2'8" x 6'8" ‡ 2'10" x 6'8" ‡ 3'0" x 6'8" ‡	 Oak 81000 2'0" x 8'0" 2'4" x 8'0" 2'6" x 8'0" 2'8" x 8'0" 2'10" x 8'0" 3'0" x 8'0"	 Smooth S100 2'0" x 6'8" ‡ 2'4" x 6'8" ‡ 2'6" x 6'8" ‡ 2'8" x 6'8" ‡ 2'10" x 6'8" ‡ 3'0" x 6'8" ‡ 3'6" x 6'8"	 Smooth S81000 2'0" x 8'0" 2'4" x 8'0" 2'6" x 8'0" 2'8" x 8'0" 2'10" x 8'0" 3'0" x 8'0" 3'6" x 8'0"	

190 Note: See page 293 for important product details that may help with your purchase decision.

Entry & Patio Door Systems

Feature	Classic Craft.	Fiber-Classic. & Pulse. Wood-Grained	Smooth-Star. & Pulse. Smooth	Profiles. & Pulse. Steel (6'8")	Traditions & Pulse. Steel (8'0")
Skin Material	Fiberglass	Fiberglass	Fiberglass	24-Gauge Steel	6'8": 25-Gauge Steel / 8'0": 24-Gauge Steel
Skin Texture	Fir, Walnut, Mahogany, Oak Grain; High-Detail Smooth	Mahogany, Oak Grain	High-Detail Smooth	Smooth	Smooth
Exterior Finish	Stain or Paint	Stain or Paint	Paint	Paint	Paint
Interior Finish	Stain or Paint	Stain or Paint	Paint	Paint	Paint
Panel – Top Rail	Composite	Composite	Composite	Wood	Wood
Panel – Bottom Rail	Composite	Composite	Composite	Composite	Composite
Lock Stile	4" Full-Length Engineered Lumber	6'8": 1-¼" Engineered Lumber 8'0": 3- ¹⁵ / ₁₆ " Full-Length Engineered Lumber	6'8": 1-¼" Engineered Lumber 8'0": 3- ¹⁵ / ₁₆ " Full-Length Engineered Lumber	1-¼" Wood	1-¼" Wood
Lock Block	4" Full-Length Engineered Lumber Stile	22-½" Wood	12-½" Wood	12-½" Wood	6'8": 12-½" Wood / 8'0": 22-½" Wood
Height Options	6'8", 7'0" & 8'0"	6'6", 6'8", 7'0" & 8'0"	6'6", 6'8", 7'0" & 8'0"	6'6", 6'8" & 7'0"	6'6", 6'8" & 8'0"
Width Options	2'6", 2'8", 2'10", 3'0" & 3'6"	2'0", 2'4", 2'6", 2'8", 2'10" & 3'0"	2'0", 2'4", 2'6", 2'8", 2'10", 3'0" & 3'6"	2'0", 2'4", 2'6", 2'8", 2'10", 3'0" & 3'6"	2'0", 2'4", 2'6", 2'8", 2'10" & 3'0"
Panel Options	Single, Double or Triple	Single, Double or Triple	Single, Double or Triple	Single, Double or Triple	Single, Double or Triple
Sidelite Options	12" & 14"	10", 12" & 14"	10", 12" & 14"	10", 12" & 14"	10", 12" & 14"
Glass Options	SMC Frame; Deco / Privacy & Textured / Low-E IG	BTS Frame, PVC Frame; Deco / Privacy & Textured / Low-E / Clear IG	BTS Frame, PVC Frame; Deco / Privacy & Textured / Low-E / Clear IG	BTS Frame, PVC Frame; Deco / Privacy & Textured / Low-E / Clear IG	BTS Frame, PVC Frame; Deco / Privacy & Textured / Low-E / Clear IG
Sill*	Inswing: Composite Adjustable Outswing: Composite Outswing	Inswing: Basic Composite Adjustable Outswing: Composite Outswing	Inswing: Basic Composite Adjustable Outswing: Composite Outswing	Inswing: Basic Fixed Outswing: Aluminum	Inswing: Basic Fixed Outswing: Aluminum
Weatherstrip – Hinge	Medium-Reach	Medium-Reach	Medium-Reach	Medium-Reach	Medium-Reach
Weatherstrip – Lock	Medium-Reach	Long-Reach	Long-Reach	Long-Reach or Magnetic	Long-Reach or Magnetic
Weatherstrip – Head	Medium-Reach	Long-Reach	Long-Reach	Long-Reach or Magnetic	Long-Reach or Magnetic
Multi-Point Lock	Recommended	Recommended	Recommended	–	–
Security Strike Plate	Recommended	Recommended	Recommended	Recommended	Recommended
Hinges*	Classic Craft Ball-Bearing	Self-Aligning	Self-Aligning	Self-Aligning	Self-Aligning
Frame*	Composite Door Frame	Composite Door Frame	Composite Door Frame	Rot-Resistant	Primed Pine
Screens & Screen Accessories Available Colors: Bronze, White	2" Frame, 3" Frame	2" Frame, 3" Frame	2" Frame, 3" Frame	2" Frame, 3" Frame	2" Frame, 3" Frame
Residential Limited Warranty	Transferable Lifetime	Lifetime	Lifetime	10 Years	Door: 5 Years / Glass: 10 Years / Pulse 8'0": 10 Years

For dimensional data, see your Therma-Tru seller or visit thermatru.com for a copy of the Therma-Tru Unit & Rough Opening Sizing Booklet.

Smooth-Star Door System Specifications

DOOR PANELS	Faces: 1/16-inch minimum thickness, proprietary fiberglass-reinforced thermoset composite, surface lightly textured, accepts most exterior and interior paints. Door edges: machinable kiln-dried pine, primed, lock edge reinforced with engineered lumber core, lockset area reinforced with solid blocking for hardware backup. Door bottom edge: moisture- and decay-resistant composite. Core: foamed-in-place polyurethane, density 1.9 pcf minimum. Except where certification does not permit, standard factory sizes may be end trimmed in shop or field to suit replacement door size requirements.
OPTIONAL FACTORY-GLAZED GLASS OR GLASS INSERTS	Factory-glazed: perimeter moldings flush with skin and made as integral part of skin. Glass minimum 1/8-inch tempered, two panes with sealed airspace between typically 3/8-inch to 1/2-inch. Options for grooved, etched, Low-E, or grille between glass (GBG). Optional removable wood grilles. Optional permanent external lite dividers. Inserts (lites): perimeter frames in raised-molding patterns, molded from composite, wood-grained in natural hardwood patterns, paintable, screw-fastened to doors, screw holes concealed with grained plugs in matching material. Tested to withstand high service temperatures resulting from exposure behind storm doors or dark finishes. Glass minimum 1/8-inch tempered, two panes with sealed airspace between, airspace typically 1/4-inch to 3/4-inch. Options for leaded decorative glass panel or wrought iron grille in air space between tempered glass panes with brass, brushed nickel or black nickel coming finishes. Wrought iron grille available in matte black only. Options for grooved, etched, Low-E, grille between glass (GBG), or mini-blinds. Optional removable wood grilles. Optional permanent external lite dividers.
OPTIONAL DECORATIVE PANELS	Molded from proprietary fiberglass-reinforced composite, surface lightly textured, accepts most exterior and interior paints, fastened with very high bond tape.
GASKETING, WEATHERSTRIPPING	Jacketed thermoset open-cell foam, press-fit in kerfs at jamb stops in frames. Extruded thermoplastic elastomer, finned and chambered design, press-fit into bottom kerf of doors. Corner pads at bottom margin corners from jacketed thermoset open-cell foam.
HINGES, STRIKES, MULTI-POINT LOCKING SYSTEM	Steel, with a variety of finishes. Screws plated and finished to match hardware. Standard hinge size 4 x 4 x .098 inches. Strikes are proprietary adjustable type, permitting in-out adjustment of door in frame, up to 3/16 inch. Multi-point locking system is available in manual shootbolt or tongue versions.
FRAMES	Milled from 5/4 kiln-dried pine, profiled with 1/2-inch stop, standard depth 4-9/16 inches. Other frame depths available to match wall constructions. Exterior casing brickmould in WM180 pattern available. Optional frames in exterior grade red oak with matching brickmould. Optional rot resistant jambs.
SILL, SWING-IN, SWING OUT, SIDELITE OPTIONS	Wide range of sill options: fixed threshold, adjustable threshold, and public access available in bronze, mill, satin nickel and brass finishes. Double-door models: double door available with both leaves active and locking astragal available. Sidelite options: flush-glazed or lite insert models, with embossed panel & glass moldings, in 10 inch, 12-inch and 14-inch widths. Sidelite systems available with mullions separating doors from sidelites, and continuous sills and frame head, or as separately framed and cased units joined together.
TRANSOM OPTIONS	Transom frames, either rectangular, elliptical or half round, match door frames and have matching exterior brickmould. Transom frames in primed pine or clear northern red oak to match door frame option. Clear, Low-E, or etched insulated glass. Options for leaded decorative glass panel or wrought iron grille in air space between tempered glass panes with brass, brushed nickel or black nickel coming finishes. Wrought iron grille available in matte black only.



TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

Historic District Commission Staff Report

Meeting Date: 1/9/2023

Staff Contact: Nicholas Johnson, Planner, njohnson@eastonmd.gov

Property Address: 331 E Dover Street

Application Number: 2022-0828

Request: Windows

Staff Recommendation: Approve ☒ Deny ☐ Table ☐

Staff Comments:

The applicant is proposing to do an “in-kind” vinyl window replacement and install a new commercial vent. In 1996, the HDC approved the installation of vinyl siding and with aluminum window trim on the original front portion of this building due to the “nature of the building and its surroundings.” This approval however, does not state what material windows were on the historic building or its brick addition. The HDC property survey states that this is a contributing structure due the 1910 portion’s commercial front. The brick addition (where the proposed windows will be located) was not built until sometime in the mid 1900’s and the original structure is noted to have modern siding and windows.

Historic District Guidelines:

Guideline 85. Vents and Hoods

- a. Install vents and hoods on non-visible elevations.
- b. Avoid installing vents and hoods in location that damage important historic features, such as windows, trim, or ornamental elements.

Guideline 90. Make Sensitive Replacements (Windows)

- a. Replace windows that cannot be repaired in-kind. Replacement windows must match the original windows in size, proportion, design, and style. The number of window panes and the muntin and mullion profiles should match the historic window.
- b. Replacement units for historic divided light (multi-pane) windows must have the appearance of a true divided light. Simulated divided light windows with three dimensional muntins are usually appropriate. “Snap-in” or “between-the-glass” vinyl



**TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601**

muntins do not simulate a historic appearance and will not be approved for windows within the historic district.

c. Maintain the window type. For example, replacing a double-hung window with a casement window is not preferred.

d. Maintain the historic window opening size and surrounding trim. Altering the window opening to accommodate larger or smaller windows is not preferred.

e. Where inappropriate replacements were previously installed, and the original window appearance is unknown, neighboring buildings may provide clues to appropriate configurations. In general, a style of window that is in keeping with the architectural style of the building is most appropriate. Where the style of window cannot be determined, a one-over-one window configuration is usually most appropriate.

f. Windows constructed of hollow core or extruded vinyl components should not be used. Other alternative materials, including fiberglass composite or aluminum-clad, may be appropriate in some circumstances. See Appendix B for additional information on substitute materials.

g. Certain rare or unique windows should not be replaced or altered. This determination will be made by the HDC.

Appendix B Vinyl Windows

Vinyl windows are made of PVC (polyvinyl chloride) and are commonly marketed as replacement windows. Vinyl windows are problematic for use in historic districts because as they are not typically available in proportions or finishes that are needed to match the original windows in historic buildings. Because of the way the product is made, vinyl windows tend to have narrow stiles and rails which do not match the thicker proportions found on historic wood windows. Vinyl windows are not paintable and are the least durable of the window types listed here. They are susceptible to sun damage and tend to fade and warp with UV exposure. These units have a typical lifespan of only ten to fifteen years.

Vinyl windows are not appropriate for use in the historic district.

Appendix B Vinyl-Clad Windows

Vinyl clad windows are similar to aluminum- and fiberglass-clad windows, in that they are wood or composite windows with a vinyl facing. Vinyl-clad windows are not paintable and are not typically repairable.

Vinyl clad windows may be appropriate for use in some properties constructed in the mid-20th century, on noncontributing buildings, or on nonvisible elevations (such as the rear or obscured side) or contributing buildings.



TOWN OF EASTON
PLANNING & ZONING
 14 S Harrison Street, Easton MD 21601

STAFF RECOMENDATION:

Staff recommends **approving** this application based on the finding that in 1996, the HDC determined that vinyl windows were appropriate for **this building**. An approval should also be based on the finding that the proposed windows will be located on a non-historic addition to a contributing structure. The HDC may choose to suggest that the applicant use vinyl-clad windows since the guidelines state that “vinyl clad windows may be appropriate for use in some properties constructed in the mid-20th century.”



TAX ID		ADDRESS		OWNER NAME			
2101021575		331 E DOVER ST		CHEZ LAFITTE GALERIE & SALON, LLC			
YEAR BUILT		PHYSICAL CONDITION					
1910		EXCELLENT					
ARCHITECTURAL STYLE				ADDITION(S)			
NATIONAL FOLK				MID 20TH C. REAR BRICK SECTION			
NHL DISTRICT	NR DISTRICT	NR LISTED	MEETS NR CRITERIA	1980 NR RATING	MD INVENTORY	CONTRIBUTING	NC CODE
				B		Y	
NOTES							
A LOT OF NEW MATERIAL INCLUDING SIDING + WINDOWS, BUT RETAINS ITS VERY NICE COMMERCIAL FRONT.							



RECEIVED

DEC 05 2022

TOWN OF EASTON
PLANNING AND ZONING TOWN OF EASTON
14 SOUTH HARRISON STREET, EASTON, MD 21601

Application #: 2022-828
Date Received: 12/05/2022
Fee Paid: \$200.00
HDC Meeting Date: 01/09/2023
Date Property Posted:

HISTORIC DISTRICT COMMISSION HEARING APPLICATION

APPLICATION TYPE (PLEASE CIRCLE)

ROOFING DEMOLITION SIGNAGE FENCING OTHER

NEW CONSTRUCTION/ADDITION

EXTERIOR ALTERATIONS

FOR TREE REMOVAL(S) - PLEASE USE THE TREE REMOVAL APPLICATION

PROPERTY INFORMATION

ADDRESS 331 Dover Street Easton

☐ Contributing

☐ Non-Contributing

YEAR BUILT: _____

NATIONAL REGISTAR # _____

PROPERTY INFORMATION

OWNER NAME Mathew Peters

TELEPHONE NO. 410 924 4024

EMAIL mateo@chesmrc.org

Applicant or Agent

NAME Brandon Barrow

TELEPHONE NO. 410 827 5743

EMAIL beaverdambuilders@yahoo.com

Description of Proposal (include additional sheets, as necessary)

Remove existing vinyl windows with 6 over 6 grills
Install new vinyl windows to match 6 over 6 grills
with windows
Repaint deteriorating brick joints using same color
mortar (400 sq ft worst areas) (Oyster shell mortar)
Install commercial hood vent to be hidden behind brick on Roof

Specific Requirements

- The payment of fees is due at the time of application submittal.
As of July 1, 2021, the fees are as follows:
Commercial - \$200 Residential - \$75 Signs - \$75 Staff Approval \$25
- Provide 7 hard copies plus 1 digital copy of the application and all supplemental information.
- Disclose any easements or deed restrictions pertaining to the property and any improvements including the details of said easements or restrictions.
- Disclose any tax credits and or grants being considered for the project.

The Historic District Commission (HDC) reserves the right to request reasonable additional information or design drawings that further clarify proposals. In cases where professional design services are warranted, the HDC may require the applicant to retain a licensed design consultant.

If the applicant or their designee is not present for the scheduled meeting the Commission may elect to refrain from discussing and voting on the scheduled agenda item.

Any modifications during review shall warrant an updated application.

I hereby certify that I have reviewed the Easton Historic District Guidelines as published

Signature of Applicant or Agent

Date

Printed Name of Applicant or Agent

Brandon Barrow
12/15/2022
Brandon Barrow

Revised 4.4.2022

Renovations

- ☐ Elevations or photographs of the existing conditions
- ☐ Elevation of the proposed changes
- ☐ Cut sheet for all proposed materials – Be sure to include all of the following that apply and any other additional materials:
 - ☐ Windows
 - ☐ Doors
 - ☐ Trim, fascia, soffit, etc
 - ☐ Decking/ porch flooring materials
 - ☐ Roofing Materials, gutters

Windows

Restoration of existing windows is the Commission's first choice. However, the Commission recognizes it may not always be practical to replace windows. For contributing buildings the front façade and any other façade facing a primary right of way are required to be wood windows. Aluminum, or fiberglass clad wood windows may be approved by the Commission on side or rear façades of contributing buildings. For non-contributing buildings clad wood windows will be considered on all elevations. Note: National Register Buildings are held to the highest of standards.

- ☒ Photograph or scaled elevation of all elevations of the building with each window that is to be replaced clearly labeled.
- ☒ Manufacturers cut sheet for each window to be replaced. Clearly labeled where it will be installed on the building.
- ☒ Materials for the windows must be clearly identified on the cut sheet
- ☒ Please note if existing trim/shutters are to remain or if new are to be installed, please include list of all new materials and cut sheets. *Trims will remain the same*
There will be no shutters as existing pictures show

Roofing

Note: National Register Buildings are held to the highest of standards.

- ☐ Photographs or scaled elevations showing the existing roofing material to be replaced.
- ☐ Manufacturers cut sheet for each type of roofing to be replaced. Clearly labeled where it will be installed on the building.
- ☐ Please note if existing trim, fascia, soffit, or gutters are to remain or if new are to be installed, please include list of all new materials and cut sheets.

Signs

- ☐ Dimensioned scale drawings of the sign. Identify all materials to be used, color(s), lettering (including size and font style) and wording
- ☐ Photograph depicting the proposed location for the signage
- ☐ Lighting detail
- ☐ Construction and or mounting details



8401 Ocean Gateway, Easton MD 21601
Phone: 410.822.4880
Fax: 410.822.3986

Quote Date: 2/1/2022



Customer Name:

Address:

Phone:

Fax:

Customer Information:

Project Name: BEAVERDAM BUILDERS

Quote Name: MRC

Quote Number: 4118139

Order Date: Quote Not Ordered

PO Number:

Comments:

ITEM & SIZES	LOCATION / TAG	PRODUCT DESCRIPTION	UNIT PRICE / EXTENDED PRICE
--------------	----------------	---------------------	-----------------------------

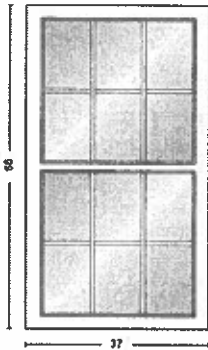
Line Item: 100-1

None Assigned

Quantity: 3

RO Size: 37.5" X 66.5"

Unit Size: 37" X 66"



*** PRODUCT ***

Row 1 1555 Double Hung - Vent - 1 Units - 37W x 66H

*** DIMENSIONS ***

37W x 66H

*** FRAME ***

East, Vinyl, Frame Type - Finless, Foam Tape, Head Expander,
Exterior Color - White

*** GLASS ***

Glazing Type - Insulated, Glass Tint - Clear, Low-E, Argon Gas, Glass
Strength - SSB

*** GRILLES ***

Grille Type - GBG, Grille Thickness/Style - 11/16" Sculptured, Grille
Pattern - Colonial

Bottom Glass: Number Wide - 3, Number High - 2

Top Glass: Number Wide - 3, Number High - 2

*** SCREEN ***

Screen - Extruded Full, Screen Mesh Type - Clarity

*** WRAPPING ***

Extension Jamb - None

*** NFRC ***

Series 1555::DoubleHung, U-Factor::0.28, SHGC::0.26, VT::0.46

*** Performance ***

Series 1555::DoubleHung, Calculated Positive DP Rating::35.3,

Calculated Negative DP Rating::50.13, DP Rule ID::1650 DH, Rating

Type::DesignPressure, Performance Grade::LC-PG35*, Water

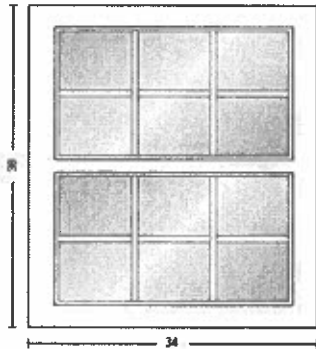
Rating::5.43, FL ID::20840, STC Rating::28, OITC Data::23

Unit Price: \$407.42

1555 Double Hung - Vent - No Call Width - No Call Height

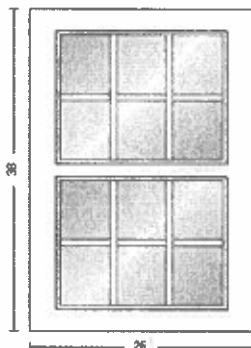
Extended Price: \$1,222.26

ITEM & SIZES	LOCATION / TAG	PRODUCT DESCRIPTION	UNIT PRICE / EXTENDED PRICE
Line Item: 200-1 Quantity: 2 RO Size: 34.5" X 38.5" Unit Size: 34" X 38"	None Assigned	*** PRODUCT *** Row 1 1555 Double Hung - Vent - 1 Units - 34W x 38H *** DIMENSIONS *** 34W x 38H *** FRAME *** East, Vinyl, Frame Type - Finless, Foam Tape, Head Expander, Exterior Color - White *** GLASS *** Glazing Type - Insulated, Glass Tint - Clear, Low-E, Argon Gas, Glass Strength - SSB *** GRILLES *** Grille Type - GBG, Grille Thickness/Style - 11/16" Sculptured, Grille Pattern - Colonial Bottom Glass: Number Wide - 3, Number High - 2 Top Glass: Number Wide - 3, Number High - 2 *** SCREEN *** Screen - Extruded Full, Screen Mesh Type - Clarity *** WRAPPING *** Extension Jambs - None *** NFRC *** Series 1555::DoubleHung, U-Factor::0.28, SHGC::0.26, VT::0.46 *** Performance *** Series 1555::DoubleHung, Calculated Positive DP Rating::50.13, Calculated Negative DP Rating::55.14, DP Rule ID::1650 DH, Rating Type::DesignPressure, Performance Grade::R-PG40*, Water Rating::6.06, FL ID::20840, STC Rating::28, OITC Data::23	Unit Price: \$371.06 Extended Price: \$742.12

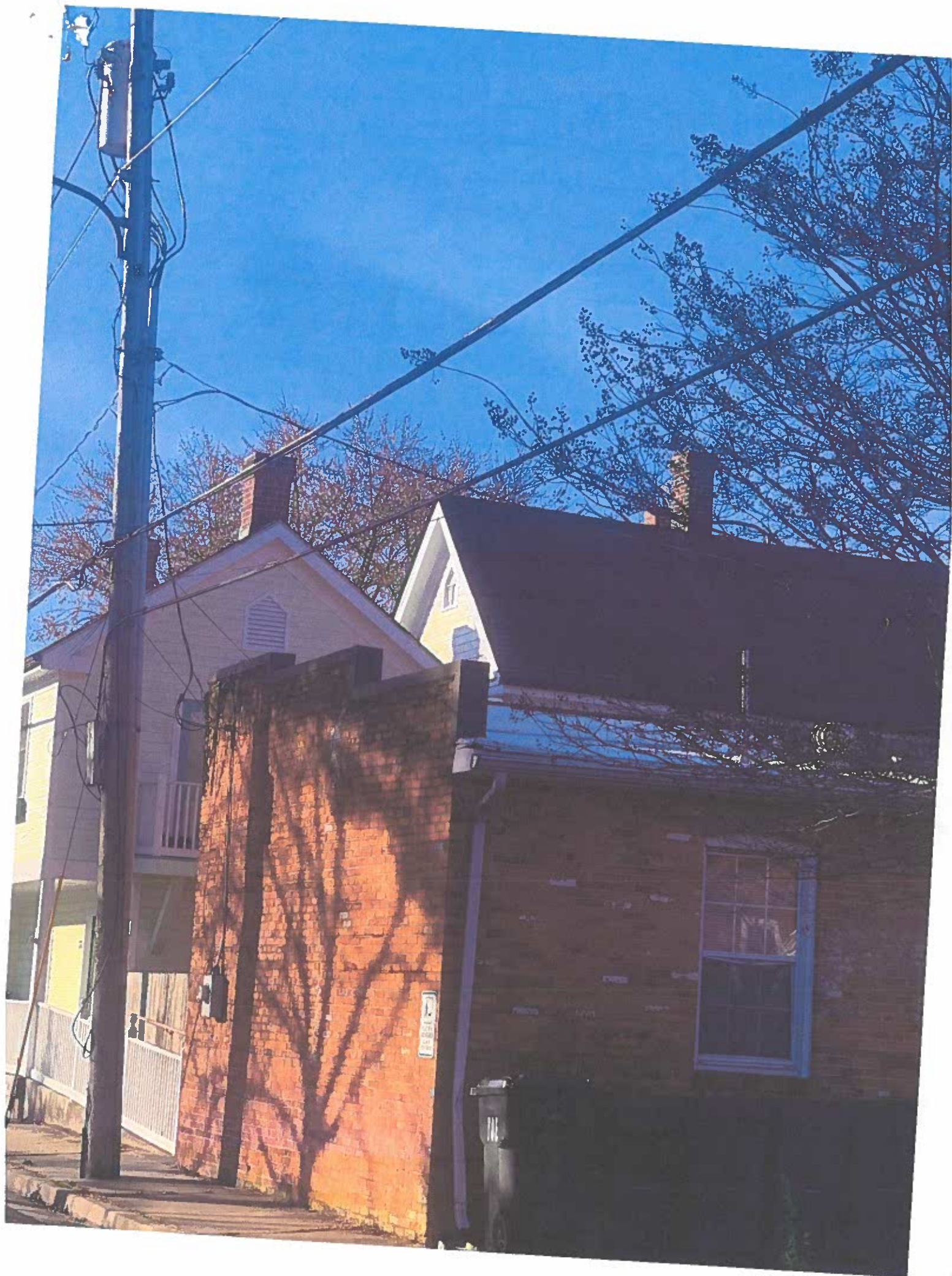


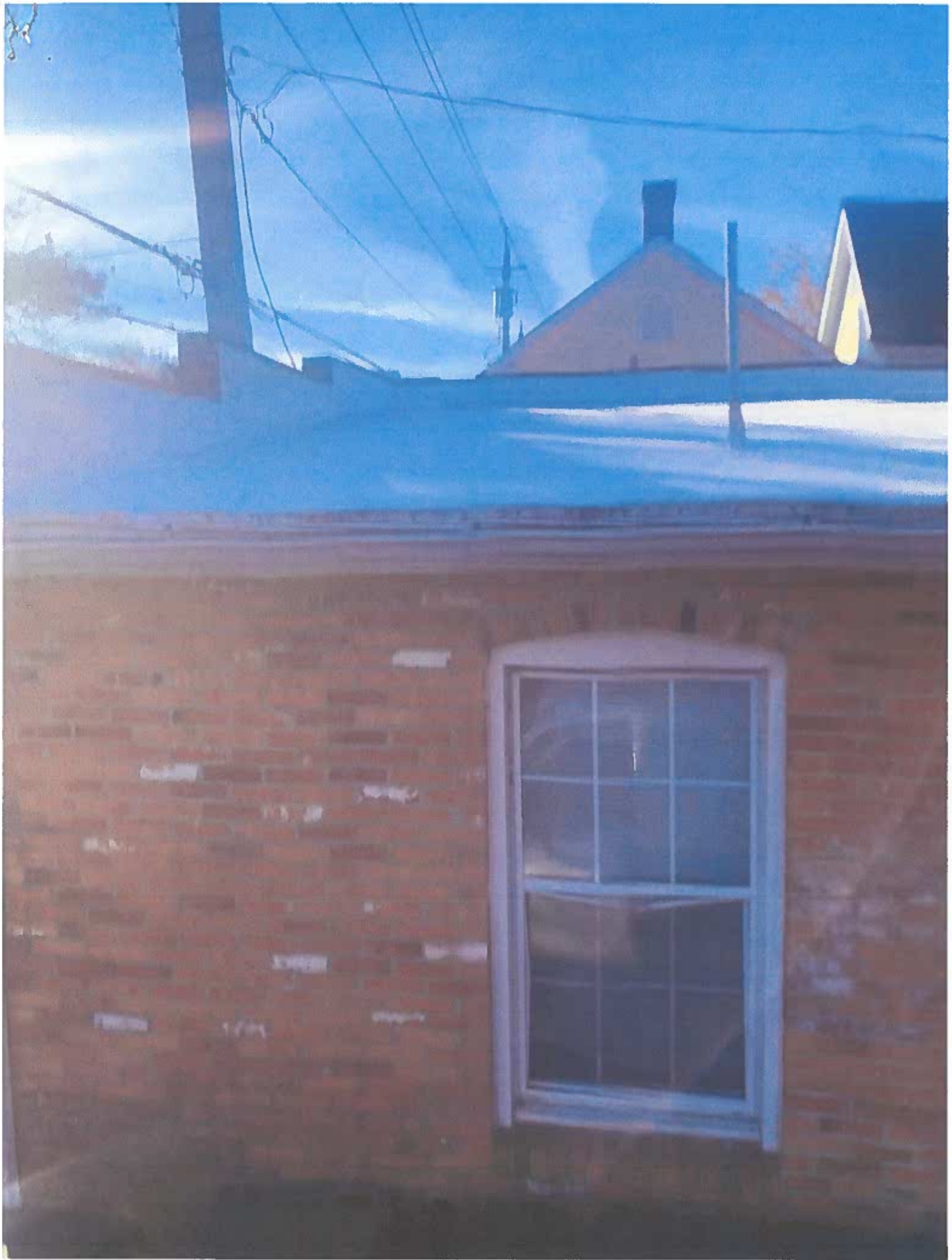
1555 Double Hung - Vent - No Call Width - No Call Height

ITEM & SIZES	LOCATION / TAG	PRODUCT DESCRIPTION	UNIT PRICE / EXTENDED PRICE
Line Item: 300-1 Quantity: 1 RO Size: 26.5" X 38.5" Unit Size: 26" X 38"	None Assigned	*** PRODUCT *** Row 1 1555 Double Hung - Vent - 1 Units - 26W x 38H *** DIMENSIONS *** 26W x 38H *** FRAME *** East, Vinyl, Frame Type - Finless, Foam Tape, Head Expander, Exterior Color - White *** GLASS *** Glazing Type - Insulated, Glass Tint - Clear, Low-E, Argon Gas, Glass Strength - SSB *** GRILLES *** Grille Type - GBG, Grille Thickness/Style - 11/16" Sculptured, Grille Pattern - Colonial Bottom Glass: Number Wide - 3, Number High - 2 Top Glass: Number Wide - 3, Number High - 2 *** SCREEN *** Screen - Extruded Full, Screen Mesh Type - Clarity *** WRAPPING *** Extension Jambs - None *** NFRC *** Series 1555::DoubleHung, U-Factor::0.28, SHGC::0.26, VT::0.46 *** Performance *** Series 1555::DoubleHung, Calculated Positive DP Rating::50.13, Calculated Negative DP Rating::55.14, DP Rule ID::1650 DH, Rating Type::DesignPressure, Performance Grade::R-PG40*, Water Rating::6.06, FL ID::20840, STC Rating::28, OITC Data::23	Unit Price: \$371.06 Extended Price: \$371.06

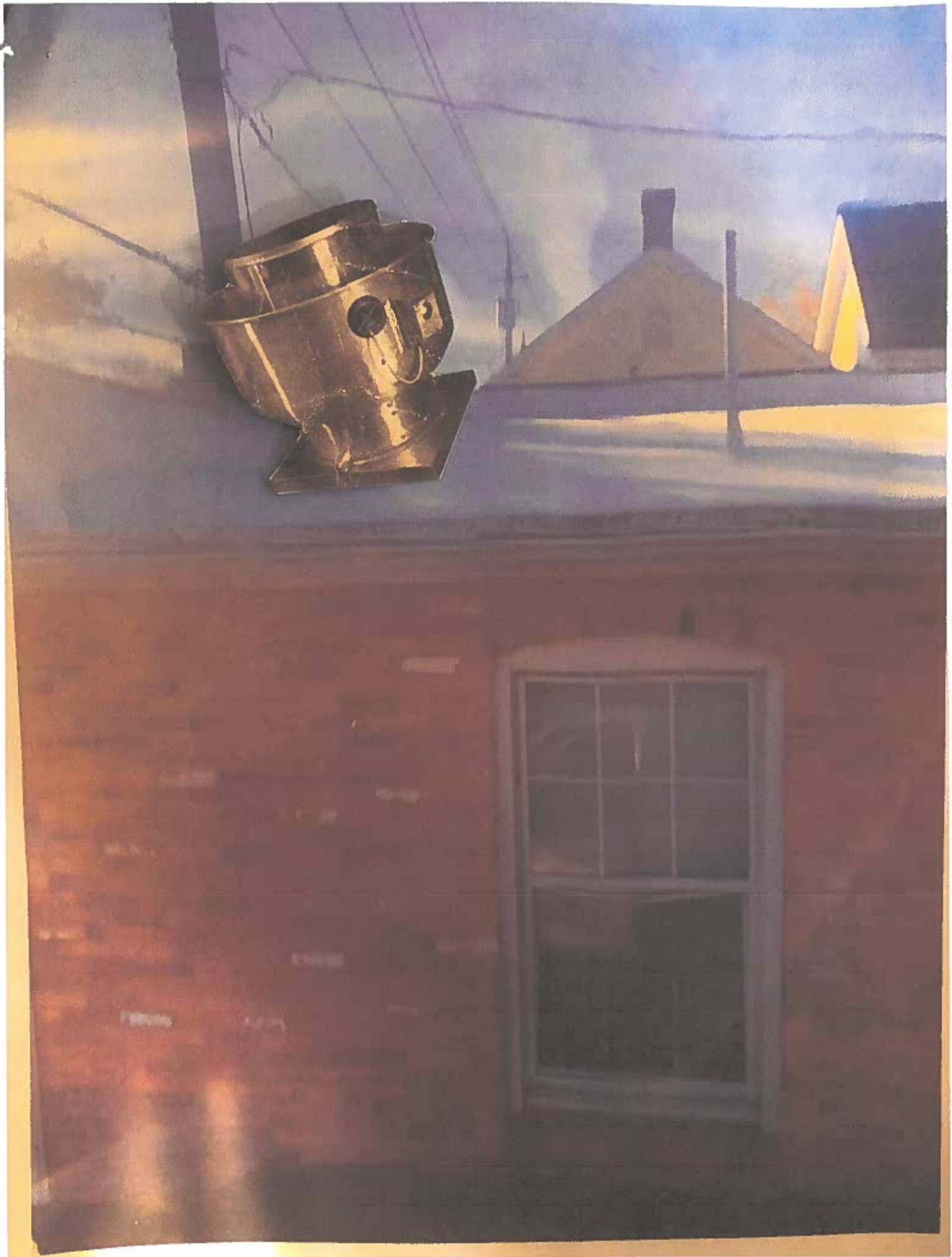


1555 Double Hung - Vent - No Call Width - No Call Height





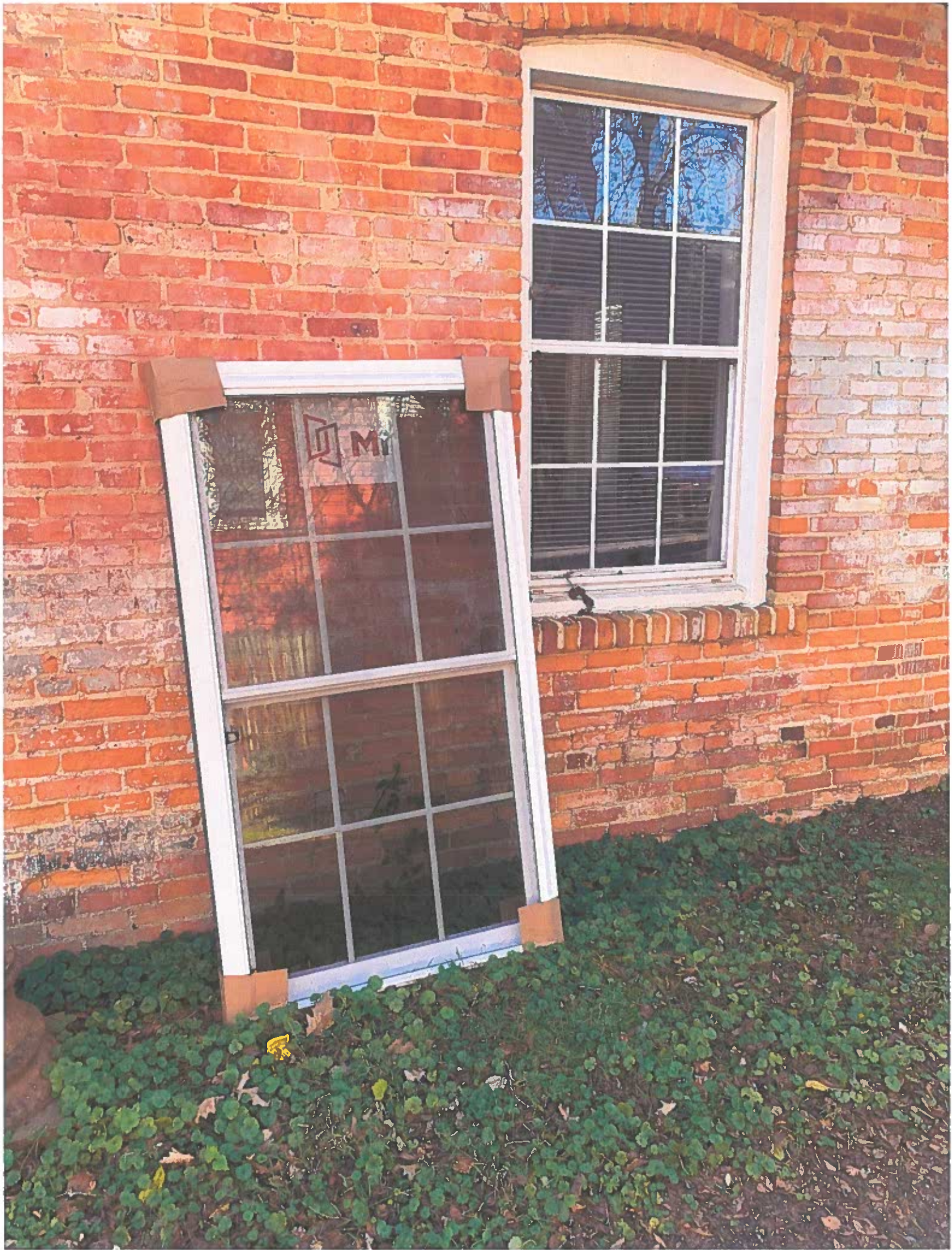
















14 S. Harrison Street
Easton, Maryland 21601
(410) 822-2525

Office of Building Inspection

Permit No: 11470
Application Date: 1-22-96
Approved By: [Signature]
Date: 2-14-96
-96

APPLICATION FOR BUILDING PERMIT

PLEASE PRINT				
1. Location of Building	NUMBER AND STREET <u>331 Dover St. Easton, MD</u>		ZONE <u>C G</u>	HISTORIC DISTRICT ☒ YES ☐ NO
	SUBDIVISION		LCT	BLOCK
				FIRE DISTRICT ☒ YES ☐ NO
Property Owner	Name <u>John K. Ross</u>	Mailing Address — Number, street, city, and state <u>6060 Boston Cliff Rd. Easton MD</u>		Zip Code <u>21601</u>
General Contractor	<u>Robert M. Knopp</u>	<u>3838 Rumsey Dr. Trappe, MD</u>		21673
Plumb. Contractor		Lic. # <u>15487</u>		
Heating & Air Cond. Contractor		Town Reg. #		
		Lic. #		

A CERTIFICATE OF USE AND OCCUPANCY IS REQUIRED to be issued by the building official BEFORE this building may be occupied. No certificate of use and occupancy will be issued until all building, plumbing and *electrical inspections have been made and approved. If the use of the building changes, a new certificate must be obtained. * Middle Department handles all electrical permits.

A permit under which no work is commenced within six months after issuance shall expire. A permit under which work commences within six months shall become invalid if the authorized work is suspended or abandoned for a period of four months after the time of commencing the work. Inspections are required for footing trenches, foundation (waterproofing—drain tile—backfill) framing and final. Twenty-four hour notice is required for all inspection requests, call 822-2525.

This application must be accompanied by plans and specifications of the proposed work and site plans drawn accurately to scale.

Footing Foundation Slab Framing Plumbing Insulation Final

A. TYPE OF IMPROVEMENT 1. ☐ New Structure 2. ☐ Addition (if residential, enter number of new housing units added, if any, in Part D-2) 3. ☐ Alteration (See 2 above) 4. ☒ Repair 5. ☐ Demolition 6. ☐ Moving (relocation) 7. ☐ Foundation Only 8. ☐ Other _____	D. PROPOSED USE (For Demolition, show most recent use) RESIDENTIAL 1. ☐ One family (incl. Semi-detached, row, town) 2. ☒ Two or more family No. of dwelling units <u>2</u> 3. ☐ Transient hotel, motel or dormitory 4. ☐ Garage 5. ☐ Carport 6. ☐ Other - Specify _____ NON-RESIDENTIAL 8. ☐ Amusement, recreational 9. ☐ Church, other Religious 10. ☐ Industrial 11. ☐ Service Station, Repair Garage 12. ☐ Hospital, Institutional 13. ☐ Office, Bank, Professional 14. ☐ Restaurant 15. ☐ School 16. ☐ Stores 17. ☐ Tanks, Towers 18. ☐ Other - Specify _____	E. PRINCIPAL TYPE OF HEATING 1. ☐ Gas 2. ☐ Oil 3. ☐ Electricity 4. ☐ Coal 5. ☐ Other—Specify _____ F. TYPE OF AIR CONDITIONING 1. ☐ Central electric 2. ☐ Individual Room 3. ☒ None G. OTHER IMPROVEMENTS 1. ☐ Electrical Work 2. ☐ Plumbing/Mechanical 3. ☐ Signs 4. ☐ Other _____ H. COST (Estimate) A. ☐ General construction _____ B. ☐ Electrical _____ C. ☐ Plumbing _____ D. ☐ Heating, air conditioning _____ E. ☐ Other (elevator, etc.) _____ TOTAL COST OF IMPROVEMENT <u>\$10,000.00</u>
B. PRINCIPAL TYPE OF FRAME 1. ☐ Masonry (wall bearing) 2. ☒ Wood Frame 3. ☐ Structural Steel 4. ☐ Reinforced Concrete 5. ☐ Other - Specify _____		
C. DIMENSIONS (In Square Feet) Unfinished Basement _____ Finished Basement _____ First Floor _____ Second Floor _____ Garage _____ Carport _____ Porch _____		

DESCRIPTION OF PROPOSED WORK: Re-side with vinyl. Customize windows, fascia + soffits.
Replace termite damaged sills. Install sister joists where necessary.
\$40.00

The applicant hereby certifies and agrees as follows:

(1) that he is authorized to make this application; (2) that the information is correct; (3) that he will comply with all regulations of The Town of Easton which are applicable hereto; (4) that he will perform no work on the above property not specifically described in this application; (5) that he grants Town officials the right to enter onto the property for the purpose of inspecting work permitted and posting notices.

Signed _____ Print Name Robert M. Knopp
Applicant (Connection with Operation)
Mailing Address 3838 Rumsey Drive Trappe MD 21673 Phone 820-4372
(Street or Post Office) (City) (State) (Zip Code)

ZONING	MAIN STRUCTURE SETBACKS Front _____ ft. Side _____ ft. Rear _____ ft.	LOT COVERAGE BY EXISTING & PROPOSED BLDGS. _____ %	OFF STREET PARKING SPACES (9' X 20' each) _____
LOT DIMENSIONS Width _____ ft. Frontage _____ ft. Depth _____ ft. Area _____ sq. ft.	ACCESSORY STRUCTURE SETBACKS Front _____ ft. Side _____ ft. Rear _____ ft.	HEIGHT (Maximum) _____ ft.	IS LOT SUBJECT TO COVENANT OR DEED RESTRICTIONS? ☐ YES ☐ NO If yes: Submit guidance that proposed construction is in compliance with covenants and/or deed restrictions.

FEES ARE NON-REFUNDABLE

To: 331 Dover Street

Date: January 22, 1996

From: Easton Historic District Commission

Subject: Certificate of Approval for:

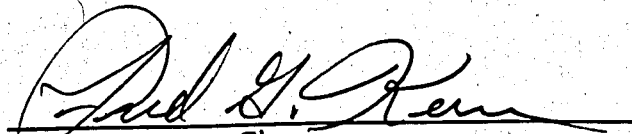
Vinyl siding with aluminum trim of windows, fascia and soffit.

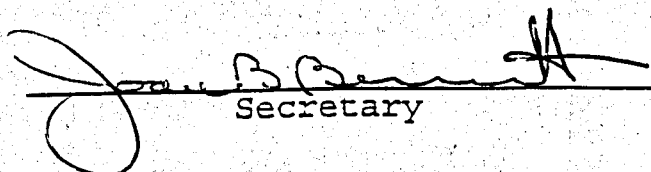
This will constitute a Certificate of Approval for the above identified application.

The comments and preferences described below are applicable to this action by the Commission.

Commission postponed any decision until all members have a chance to examine the structure which is rated "B" could be included in the National Register.

No further changes in the plans, blueprints, or written requests as submitted by the applicant, can be made without notification and/or approval of the Easton Historic District Commission.


Chairman


Secretary

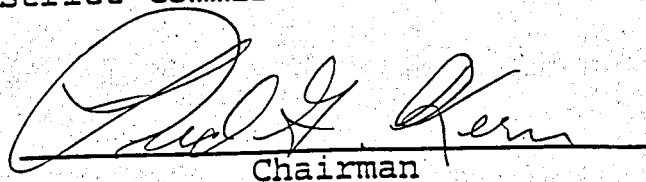
To: 331 Dover Street
Date: February 12, 1996
From: Easton Historic District Commission
Subject: Certificate of Approval for:
New vinyl siding and aluminum trim.

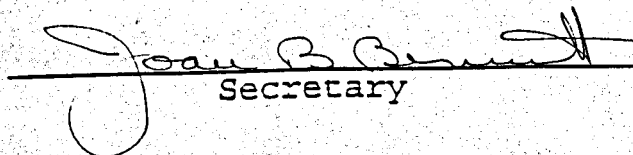
This will constitute a Certificate of Approval for the above identified application.

The comments and preferences described below are applicable to this action by the Commission.

Commission has examined the proposed building and has decided that consideration of the nature of the building and its surroundings, approval of German lap 5" vinyl siding (white) with white aluminum trim will be approved in this situation only.

No further changes in the plans, blueprints, or written requests as submitted by the applicant, can be made without notification and/or approval of the Easton Historic District Commission.


Chairman


Secretary



TOWN OF EASTON
PLANNING AND ZONING
14 SOUTH HARRISON STREET, EASTON, MD 21601

RECEIVED
DEC 14 2022
TOWN OF EASTON

Application #: 2023-001
Date Received: 12/14/2022
Fee Paid: \$25.00 PAID
HDC Meeting Date: 01/09/2023
Date Property Posted:

HISTORIC DISTRICT COMMISSION HEARING APPLICATION

APPLICATION TYPE (PLEASE CIRCLE)

ROOFING DEMOLITION SIGNAGE FENCING OTHER
NEW CONSTRUCTION/ADDITION EXTERIOR ALTERATIONS
FOR TREE REMOVAL(S) - PLEASE USE THE TREE REMOVAL APPLICATION

PROPERTY INFORMATION

ADDRESS 16 N Aurora St Easton, MD 21601
☐ Contributing ☐ Non-Contributing YEAR BUILT: NATIONAL REGISTAR #

PROPERTY INFORMATION

OWNER NAME Charlie Garrison
TELEPHONE NO. 301-602-4808 EMAIL seawg3@gmail.com

Applicant or Agent

NAME All Exteriors LLC (Catherine Nelson)
TELEPHONE NO. 410-822-2809 EMAIL cnelson@allexteriorsma.com

Description of Proposal (include additional sheets, as necessary)

Removing 1sq metal roof on porch and Replacing 1sq metal Roof.

Specific Requirements

- The payment of fees is due at the time of application submittal.
As of July 1, 2021, the fees are as follows:
Commercial - \$200 Residential - \$75 Signs - \$75 Staff Approval \$25
- Provide 7 hard copies plus 1 digital copy of the application and all supplemental information.
- Disclose any easements or deed restrictions pertaining to the property and any improvements including the details of said easements or restrictions.
- Disclose any tax credits and or grants being considered for the project.

The Historic District Commission (HDC) reserves the right to request reasonable additional information or design drawings that further clarify proposals. In cases where professional design services are warranted, the HDC may require the applicant to retain a licensed design consultant.

If the applicant or their designee is not present for the scheduled meeting the Commission may elect to refrain from discussing and voting on the scheduled agenda item.

Any modifications during review shall warrant an updated application.

I hereby certify that I have reviewed the Easton Historic District Guidelines as published

Signature of Applicant or Agent

Date

Printed Name of Applicant or Agent

Catherine Nelson
12/14/2022
Catherine Nelson

Revised 4.4.2022

Upgrade to Horizon-Loc for the ultimate protection from rain and snow.

Horizon-Loc gives you the beauty and protection of a standing seam panel at an affordable price. Its hidden fasteners give superior leak prevention and protection from rain and snow.

Horizon-Loc also features CentralGuard, our specific combination of everything that goes into making the highest-quality metal panels. The CentralGuard name is a guarantee that you have the best protection and a lifetime paint warranty.

Choose Horizon-Loc for the ultimate protection from rain and snow, plus the perfect balance of fade protection, rust blocking, and dent resistance.



Visualize it on your home.

Use our color visualizer to quickly test different color combinations for your project. Upload a photo of your home, or try out some of our sample projects.

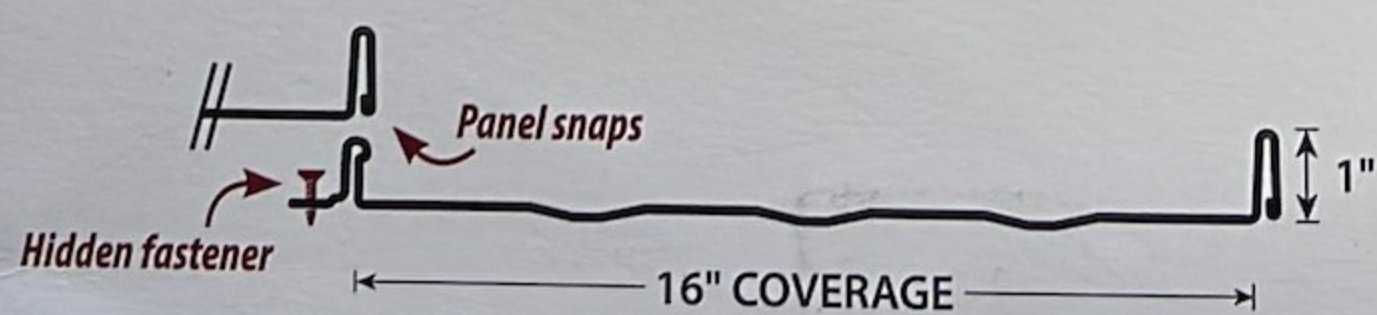


Find the color visualizer at www.centralstatesmfg.com

	PANEL-LOC PLUS PRIME CentralGuard	BEST LEAK PREVENTION HORIZON-LOC PRIME CentralGuard
LEAK PREVENTION		
Fasteners	Exposed	Hidden from elements
FADE PROTECTION		
Paint Warranty	LIFETIME	LIFETIME
Paint Thickness	1.0 mil	1.0 mil
Fade Warranty	30-YEAR	30-YEAR
Fade Protection	✓✓	✓✓
RUST BLOCKING		
Advanced Rust Blocking	✓	✓
Perforation Warranty	20-YEAR	20-YEAR
Substrate Thickness	1.60 mil	1.60 mil
DENT RESISTANCE		
Advanced Dent Resistance	✓	✓
Steel Thickness	THICK	THICKEST
Steel Gauge	29 ga.	26 ga.

Horizon-Loc features UL2218 approval for impact resistance and may qualify for a homeowners insurance discount. See your local insurance agent for qualification.

Horizon-Loc™



CENTRAL STATES
MANUFACTURING, INC.
METAL BUILDING COMPONENTS







Town of Easton
Planning and Zoning
14 S. Harrison Street Easton, MD 21601
410-822-1943
HISTORIC DISTRICT COMMISSION

ADMINISTRATIVE CERTIFICATE OF APPROPRIATENESS

Approval Date: January 9, 2022
Application Number: HD-23-01
Location: 16 N Aurora Street
Applicant: All Exteriors LLC on behalf of Charlie Garrison
Request: In-Kind Metal Roof Replacement

The applicant, All Exteriors LLC, requested approval for residential improvements at 16 N Aurora Street. The request is to remove one existing metal roof panel and replace in-kind with a Horizon-Loc metal roof panel. The replacement roof shall have 1-inch rib heights and hidden fasteners and shall be installed according to the submitted material. Given that the request complies with §28-601.E.4.d of the Town of Easton Zoning Ordinance and the Easton Historic District Design Guidelines, the application is approved as submitted.

Historic District Guideline references: 68 and 70

If the scope of work changes and or the materials and methods used are contrary to that understood by the application and any supplemental information provided, the work shall not continue until such time that the Commission is notified and said differences are considered and approved by the Commission.

“A Certificate of Appropriateness shall lapse upon the expiration of the corresponding Building Permit. For applications that require a building permit but for which none is issued, this Certificate of Appropriateness shall lapse six (6) months after issuance. In the event a building permit is not required, the Certificate of Appropriateness shall lapse six (6) months from its issuance if substantial work is not underway. For good cause shown, this period may be extended by the Commission”.

Nicholas Johnson
Representative, Historic District Commission

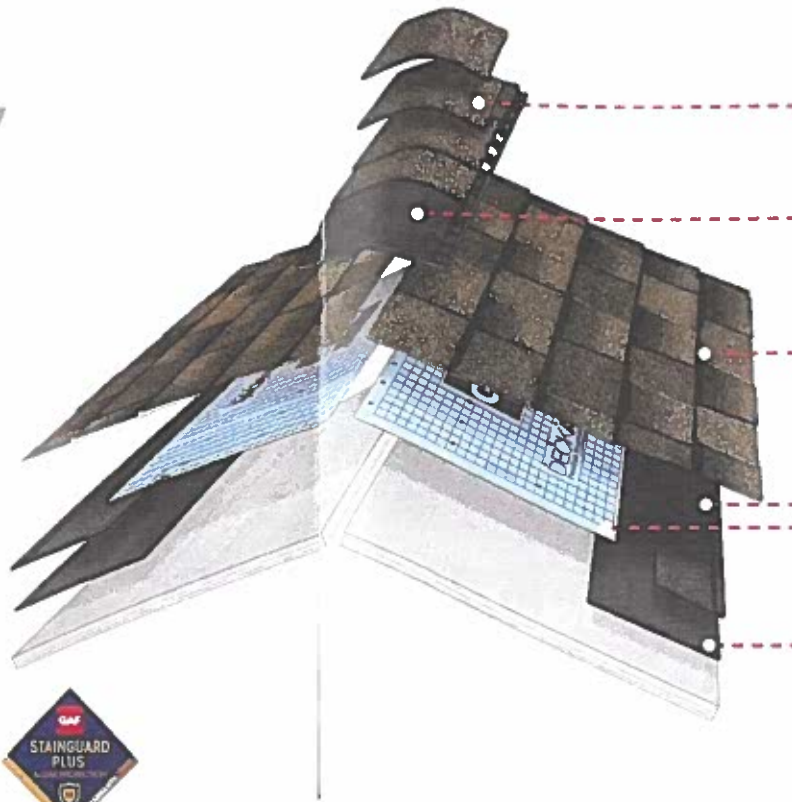
1/9/2023
Date

It's a system, built to protect

A Timberline HDZ roof is so much more than shingles. It's layers of protection, working together to help keep your home safe from rain, snow, sun, and wind.

In fact, installing 4 qualifying GAF Accessories — GAF starter strips, roof deck protection, ridge cap shingles, and either leak barrier or attic ventilation — in one roof system makes Timberline HDZ Shingles eligible for the WindProven™ limited wind warranty.¹

Timberline HDZ Shingles also feature GAF Time-Release Algae-Fighting Technology, for long-lasting algae-fighting power, and come with a 25-year StainGuard Plus™ Algae Protection Limited Warranty against blue-green algae discoloration.²



The GAF Lifetime Roofing System



Ridge Cap Shingles
The finishing touch that helps defend against leaks at the hips and ridges



Cobra® Attic Ventilation
Helps reduce attic moisture and heat



Lifetime® Shingles
Beauty and protect for years to come



Starter Strip Shingles
Helps guard against shingle blow-offs



Roof Deck Protection
Helps shield the roof deck from moisture infiltration



Leak Barrier
Helps prevent leaks caused by wind-driven rain and ice dams



Time-Release Algae-Fighting Technology releases a powerful, long-lasting common bond sealant over overlapping shingle layers. The sealant is strongest at the common bond points, the GAF Zone® — the end of the shingle's sealing strip.

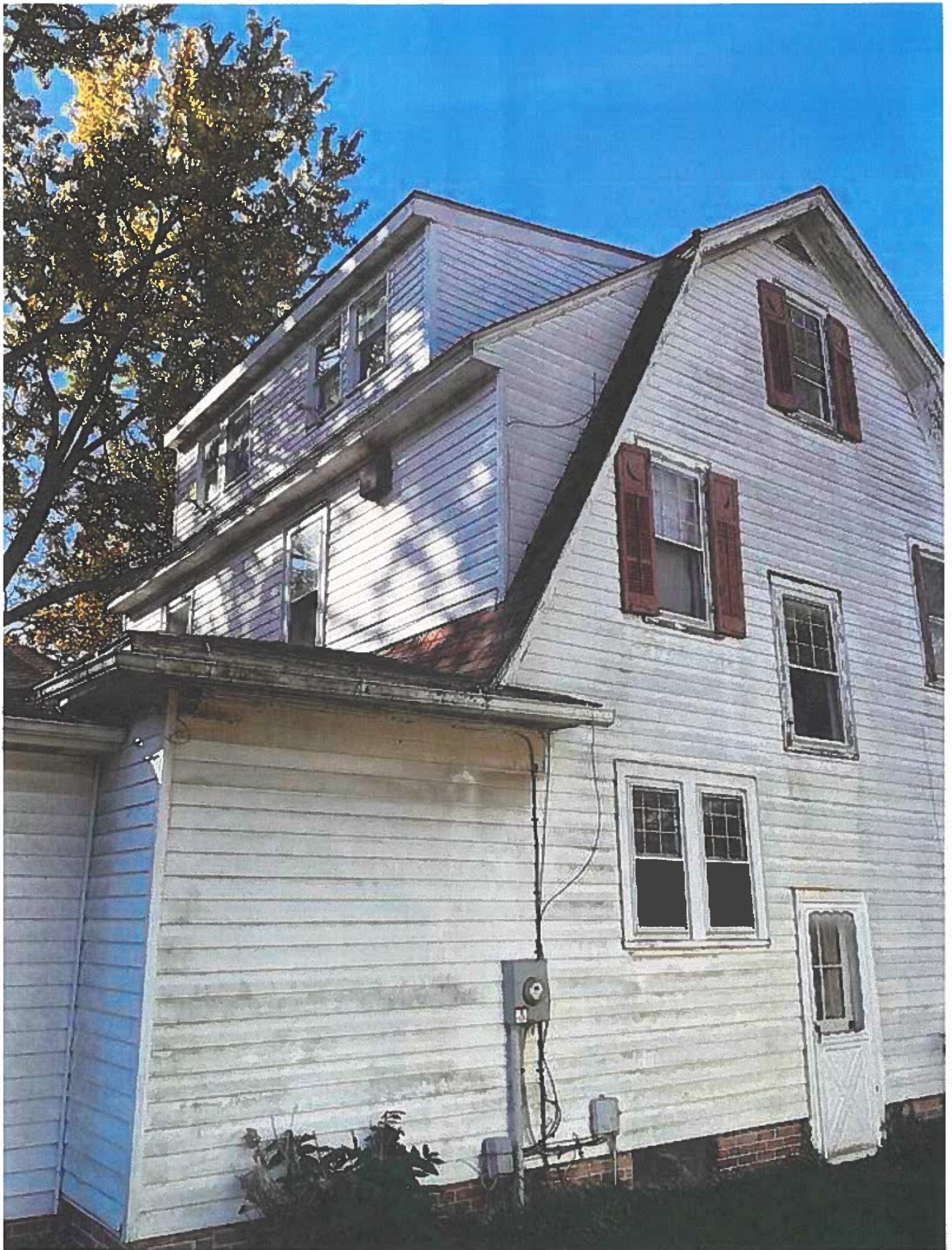
1. WindProven™ limited wind coverage is available on roofs with Timberline HDZ Shingles that are installed with GAF Accessories. Timberline HDZ Shingles are not eligible for WindProven™ coverage if they are installed without GAF Accessories. For more information, visit www.gaf.com/windproven. 2. StainGuard Plus™ Algae Protection Limited Warranty is available on roofs with Timberline HDZ Shingles that are installed with GAF Accessories. For more information, visit www.gaf.com/stainguard.

Install any GAF Lifetime® Shingles along with at least 3 qualifying GAF Accessories, and get a Lifetime limited warranty on your qualifying GAF products plus

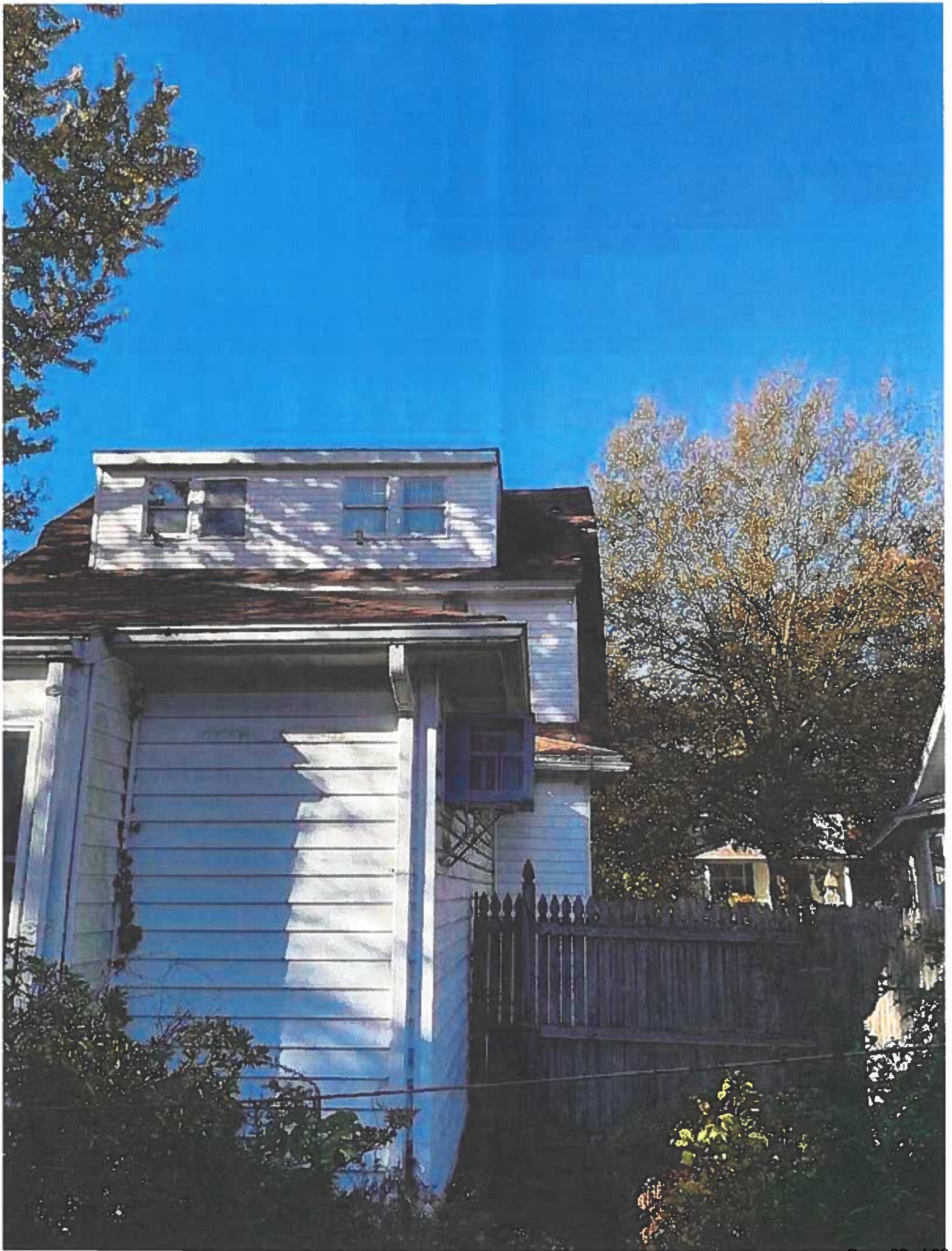
non-prorated coverage for the first 10 years. For even stronger coverage, ask your GAF factory-certified contractor about enhancing GAF warranties.

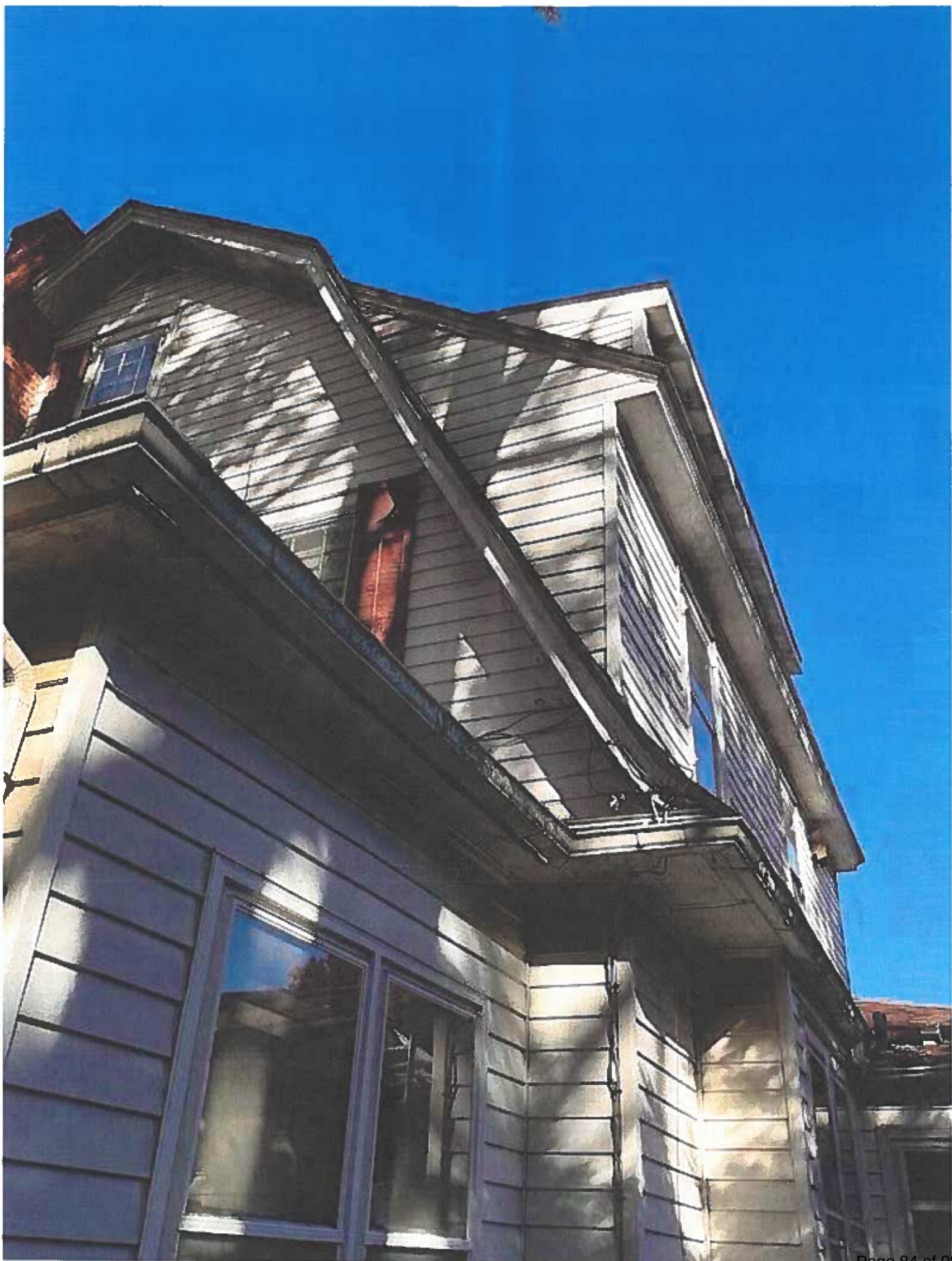


1. WindProven™ limited wind coverage is available on roofs with Timberline HDZ Shingles that are installed with GAF Accessories. Timberline HDZ Shingles are not eligible for WindProven™ coverage if they are installed without GAF Accessories. For more information, visit www.gaf.com/windproven. 2. StainGuard Plus™ Algae Protection Limited Warranty is available on roofs with Timberline HDZ Shingles that are installed with GAF Accessories. For more information, visit www.gaf.com/stainguard.





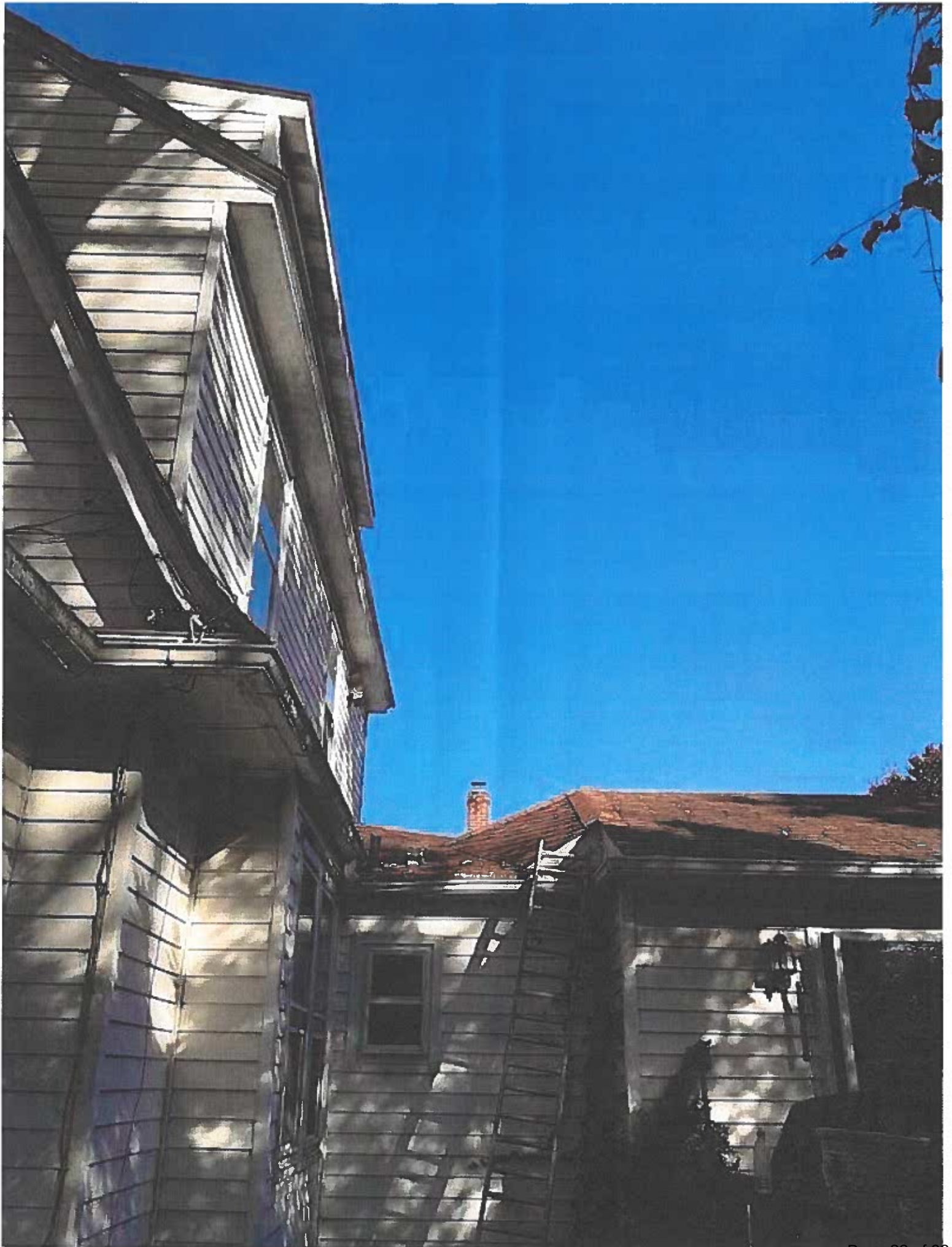
















TOWN OF EASTON
PLANNING AND ZONING
14 SOUTH HARRISON STREET, EASTON, MD 21601

Application #:	2022-836
Date Received:	12/22/22
Fee Paid:	
HDC Meeting Date:	1/9/23
Date Property Posted:	

HISTORIC DISTRICT COMMISSION HEARING APPLICATION

APPLICATION TYPE (PLEASE CIRCLE)

ROOFING DEMOLITION SIGNAGE FENCING OTHER
NEW CONSTRUCTION/ADDITION EXTERIOR ALTERATIONS
FOR TREE REMOVAL(S) - PLEASE USE THE TREE REMOVAL APPLICATION

PROPERTY INFORMATION

ADDRESS: 101 East Dover Street
☐ Contributing ☐ Non-Contributing YEAR BUILT: 54 NATIONAL REGISTAR # _____

PROPERTY INFORMATION

OWNER NAME: Dickie Wilson
TELEPHONE NO.: 410 832 1300 EMAIL: Rmartin@Tidewaterinn.com

Applicant or Agent

NAME: Charles R Martin
TELEPHONE NO.: 443-496-2360 EMAIL: Rmartin@Tidewaterinn.com

Description of Proposal (include additional sheets, as necessary)

<u>A/C units on top of the 4th/5th floor</u>
<u>units are 72" TALL with the stand</u>
<u>can't be seen from ground please see attached</u>
<u>pictures</u>

Specific Requirements

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Commercial - \$200 Residential - \$75 Signs - \$75 Staff Approval \$25
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Any modifications during review shall warrant an updated application.

I hereby certify that I have reviewed the Easton Historic District Guidelines as published

Signature of Applicant or Agent

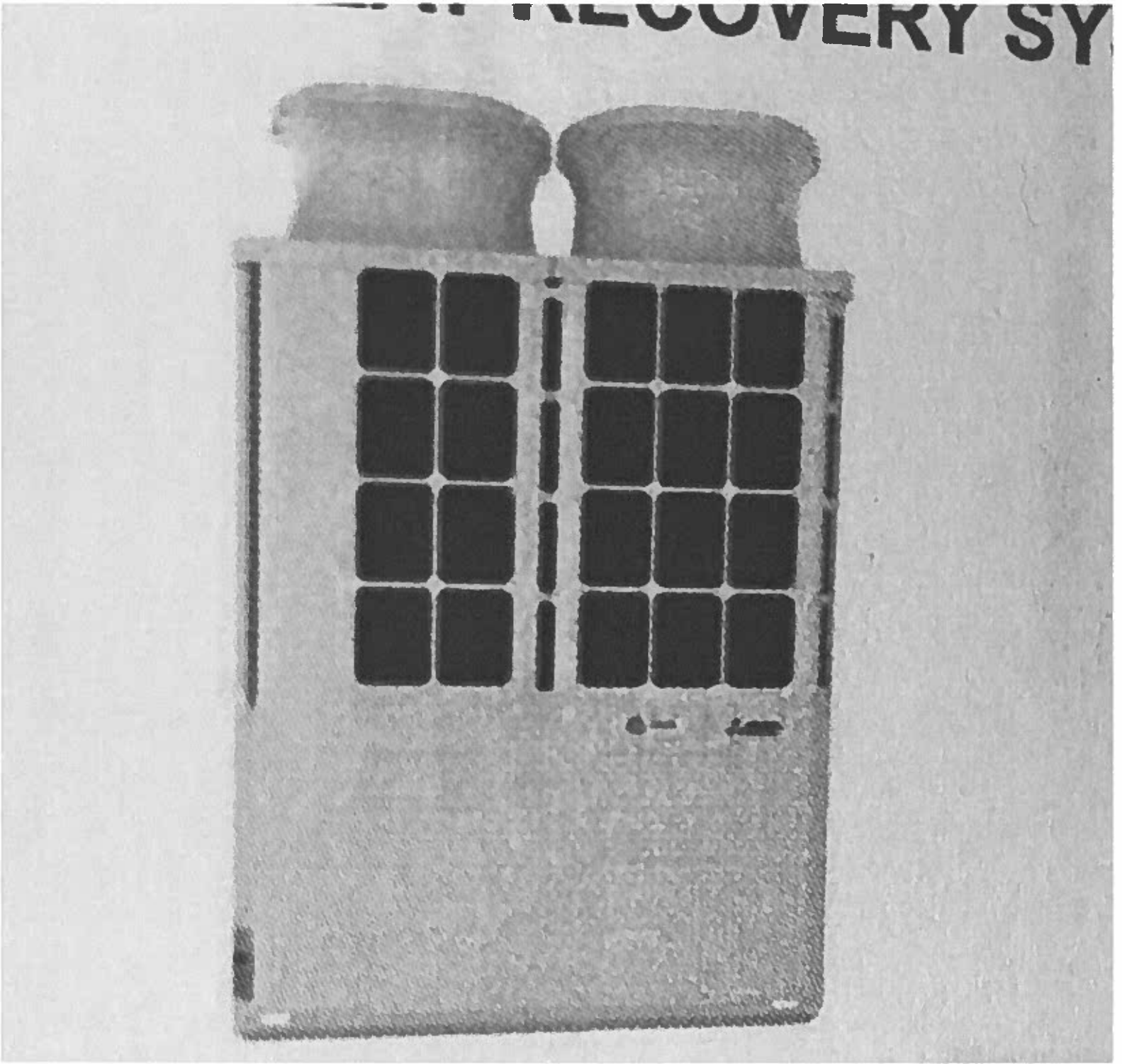
Date

Printed Name of Applicant or Agent

<u>Charles R Martin</u>
<u>Charles R Martin</u>

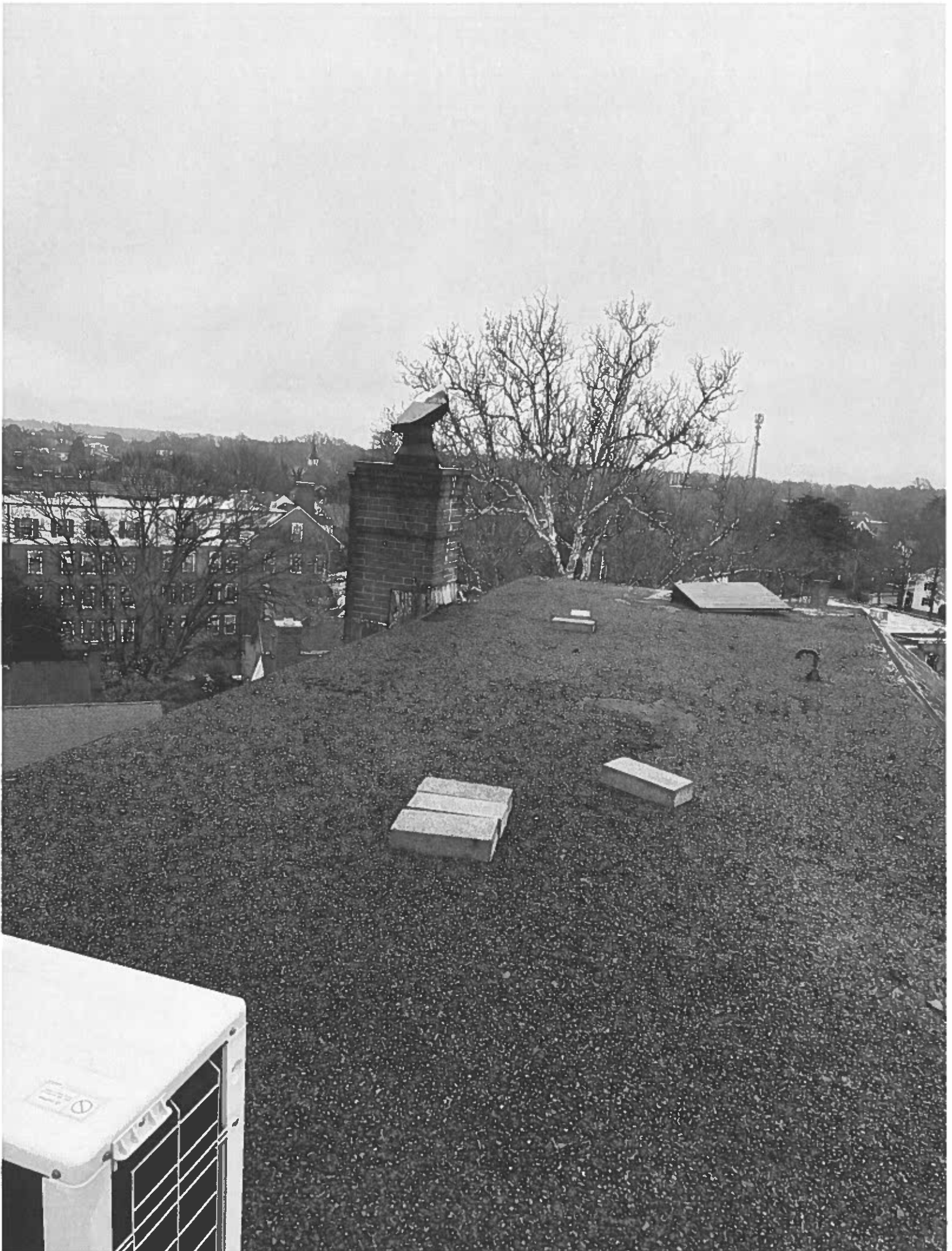
Revised 4.4.2022



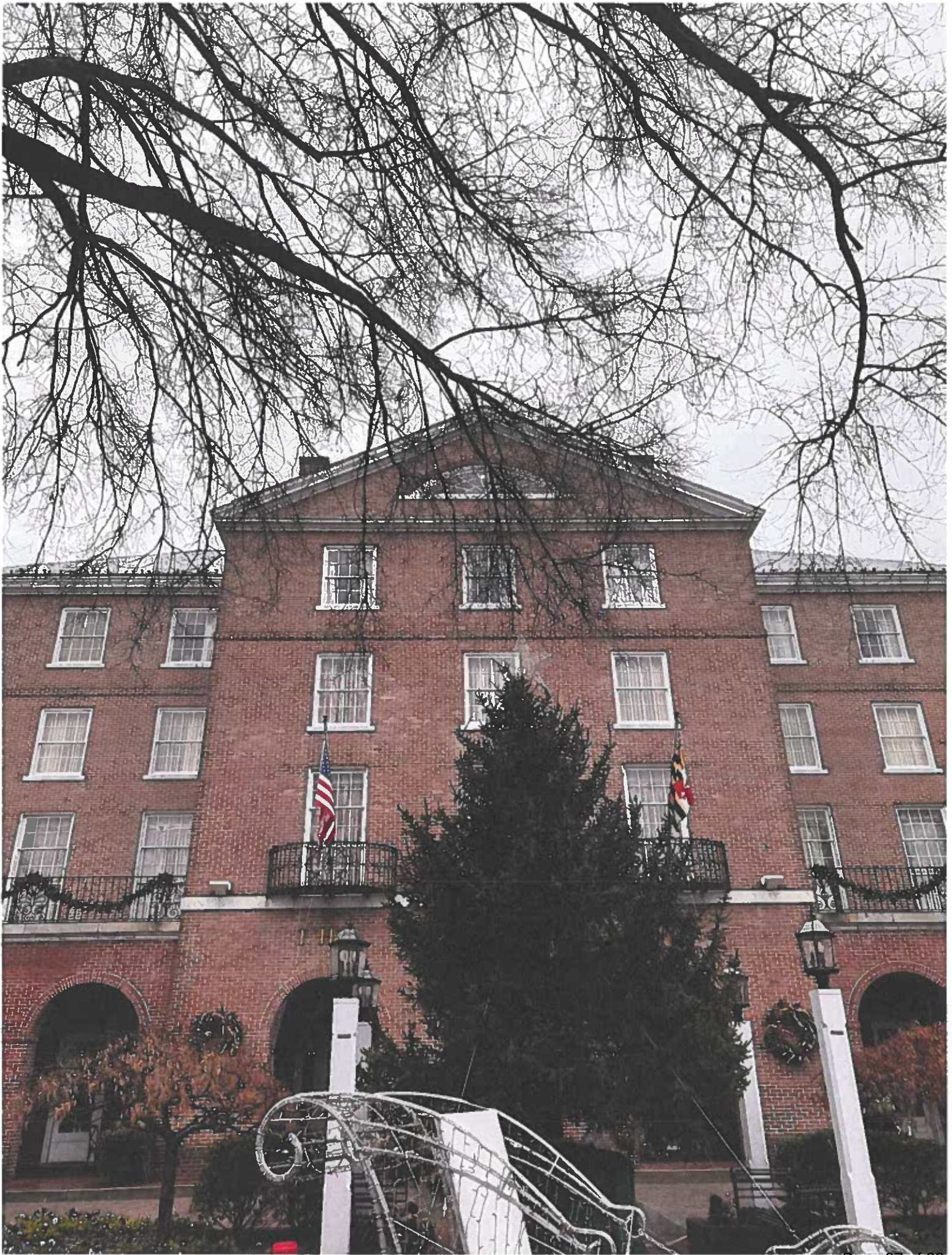


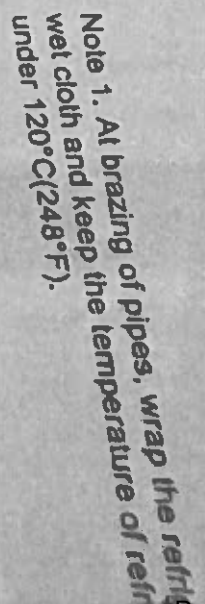












***1 Connect the refrigerant pipe to according to the Installation Ma**

Page 98 of 98