

914 W Cabarrus St

Address

Boylan Heights

Historic District

Historic Property

COA-0067-2023

Certificate Number

5/31/2023

Date of Issue

11/30/2023

Expiration Date

CERTIFICATE OF APPROPRIATENESS PLACARD

for Raleigh Historic Resources

Project Description:

Make changes to previously approved COA-0015-2023: change roof covering to metal, replace window on west elevation; install storm windows, replace porch floor boards in kind

This card must be kept posted in a location within public view until all phases of the described project are complete. The work must conform with the code of the City of Raleigh and laws of the state of North Carolina. When your project is complete, you are required to ask for a final zoning inspection in a historic district area. Telephone the RHDC office at 832-7238 and commission staff will coordinate the inspection with the inspections Department. If you do not call for this final inspection, your Certificate of Appropriateness is null and void.

Signature

Colletti RIC

Raleigh Historic Development Commission

Pending the resolution of appeals, commencement of work is at your own risk.

	Type or print	the follo	wing:		
Applicant name: Lynn Sears (Sear	s Family LLC)				
Mailing address: P O Box 33483					
City: - Raleigh	State: NC			Zip code: 27636	
Date: 5-18-2023	Da		aytime phone #: 919-427-0045		
Email address: Lsears@searscon	ract.com				
Applicant signature:	22				
Minor work (staff review) – one copy			Office Use Only		
Major work (COA committed)	ee review) – ten	Tra	ansaction	ı#:	
copies		File	e #: <u>CO</u> /	A-0067-2023	
Additions > 25% of	building sq. footag	e Fe	Fee:		
New buildings		An	Amount paid:		
Demolition of building or structure		Re	Received date:		
All other		Re	Received by:		
Post approval re-review of conditions of					
approval					
Property street address: 914 W. (Cabarrus Street				
Historic district: Boylan Heights					
Historic property/Landmark name	e (if applicable):				
Owner name: Sears Family LLC					
Owner mailing address: P O Box	33483 Raleigh, NC	27636			
For applications that require real and stamped envelopes for owas well as the property owner.	ners for all prope			jor work), provide addressed et on all sides of the property,	
Property Owner Name &	k Address		Propert	y Owner Name & Address	

I understand that all major work applications that require review by the Raleigh Historic Development Commission's COA Committee must be submitted by 4 p.m. on the date of the application deadline; otherwise, consideration will be delayed until the following committee meeting. An incomplete application will not be accepted.

Will you be applying for rehabilitation tax credits for this project?	Office Use Only
Yes No	Type of work: 60, 70, 84
Did you consult with staff prior to filing the application?	
Yes No	

Design Guidelines: please cite the applicable sections of the design guidelines (www.rhdc.org).				
Section/Page	Topic	Brief description of work (attach additional sheets as needed).		
		1- New metal roof at rear mudroom 2- Replace window		
		3- New Storm Windows 4-New porch floorboards to match existing		
		See attached project description		

	Minor Work Approval (office use only)	
Upon being signed and dated below by t Certificate of Appropriateness. It is valid	he Planning Director or designee, this application	on becomes the Minor Work
Please post the enclosed placard form o Certificate shall not relieve the applicant,	f the certificate as indicated at the bottom of the contractor, tenant, or property owner from obta subject to an appeals period of 30 days from the	e card. Issuance of a Minor Work aining any other permit required by
Signature (City of Raleigh) Collect	te p r	Date 05/31/2023



Minor Work Submittal 5-18-2023 914 W. Cabarrus St. Boylan Heights

Project Description and Description of Materials

House is a one-story bungalow with an attached front porch circa 1922 according to the National Register Nomination of Boylan Heights. A new enclosure of rear screened porch for a mudroom was recently constructed and approved COA-

- 1- New standing seam metal roof to be installed on rear mudroom. Existing asphalt shingle to be removed and replaced with new standing seam metal roof; the low slope of the existing asphalt roof makes replacement technically not feasible for long-term weatherproofing. Roof surface is not visible to the street.
- 2- Remove west elevation window and install new wood awning window; replace wood trim with new wood trim to match adjacent original window trim.
- 3- Install new low- profile storm windows at all window locations on main house (See guideline 2.10.2, 2.10.4).
- 4-Replace front porch floorboards with new to run to match existing original floorboards. Existing floorboards are patched with new that does not match original and are in poor condition.

Relevant Guidelines

2.7 Windows and Doors:

- .6 If a historic window or door unit is deteriorated beyond repair, replace the unit in kind, matching the design and the dimension of the original sash or panels, pane configuration, architectural trim, detailing, and materials. Consider compatible substitute materials only if using the original material is not technically feasible.
- .9 If additional windows or doors are necessary for a new use, install them on a rear or non-character-defining facade of the building, but only if they do not compromise the architectural integrity of the building.
- .11 It is not appropriate to remove original doors, windows, shutters, blinds, hardware, and trim from a character-defining facade.

2.10.2 Sustainability & Energy Retrofit Guidelines

- .2 Increase the thermal efficiency of historic buildings by observing appropriate traditional practices, such as weatherstripping and caulking, and by introducing energy-efficient features, such as awnings, operable shutters, and storm windows and doors, where appropriate.
- .4 If desired, introduce narrow-profile exterior or interior storm windows so that they do not obscure or damage the existing sash and frame. Select exterior storm windows with a painted or baked-enamel finish color that is compatible with the sash color. Bare aluminum storm windows may be appropriate for post-1945 buildings. For double-hung windows, operable storm window dividers should align with the existing meeting rails.



2.5 Roofs

.5 If full replacement of a deteriorated historic roofing material or feature is necessary, replace it in kind, matching the original in scale, detail, pattern, design, material, color, and details such as ridge and hip caps. Consider compatible substitute materials only if using the original material is not technically feasible.

2.8 Entrances, Porches, and Balconies

.4 If replacement of a deteriorated historic detail or element of an entrance, porch, or balcony feature is necessary, replace only the deteriorated detail or element in kind rather than the entire feature. Match the original in design, dimension, and material. Consider compatible substitute materials only if using the original material is not technically feasible.

914 W CABARRUS EXISTING CONDITIONS PHOTOS



STREETSCAPE-FRONT ELEVATION



RIGHT-FRONT ELEVATION - VIEW FROM STREET



FRONT PORCH FLOOR BOARDS DETERIORATED AND REPAIRED INADEQUATELY



RIGHT ELEVATION, REAR ROOF OF ENCLOSED PORCH NOT VISIBLE TO STREET



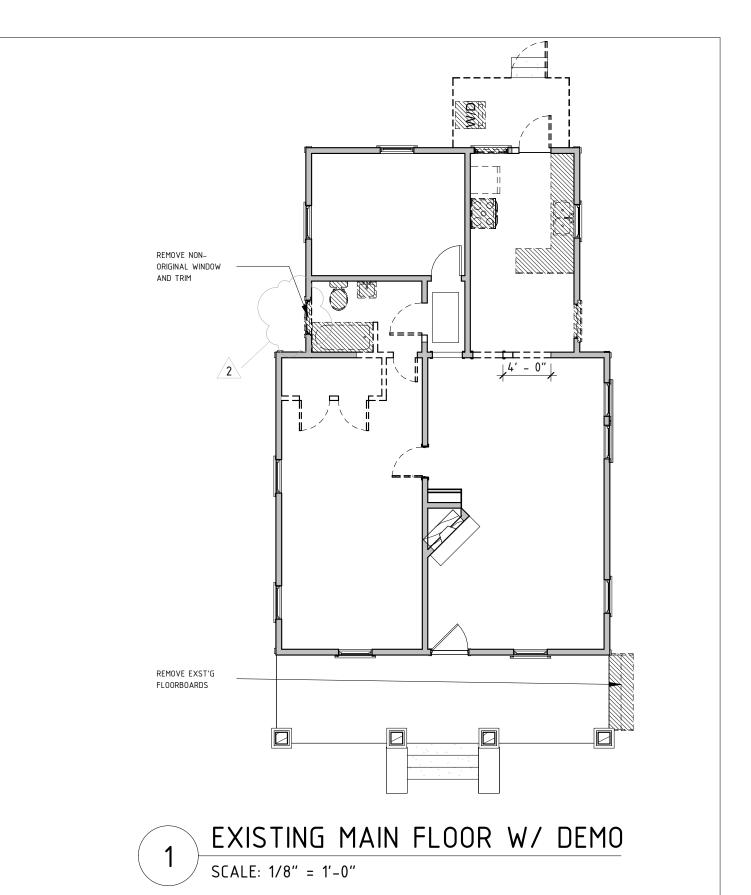
REAR ELEVATION- EXISTING ASPHALT LOW SLOPE SHINGLE ROOF TO BE REPLACED WITH METAL STANDING SEAM ROOF



RIGHT ELEVATION- EXISTING WINDOW TO BE REMOVED



CLOSE UP VIEW- EXISTING WINDOW TO BE REMOVED



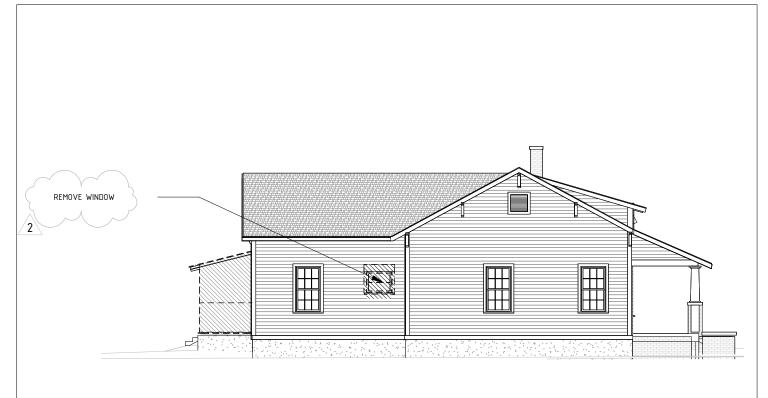
914 W. Cabarrus St.

REV 2: 5-18-2023

SD-2.1 1/31/2023

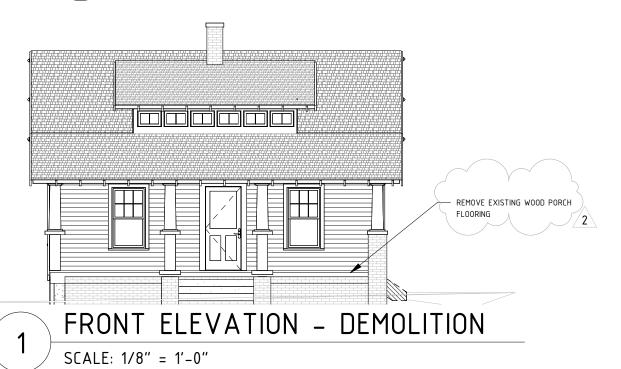
DEMO PLAN





2 LEFT ELEVATION - DEMOLITION

SCALE: 3/32'' = 1'-0''



914 W. Cabarrus St. DEMO ELEVATIONS

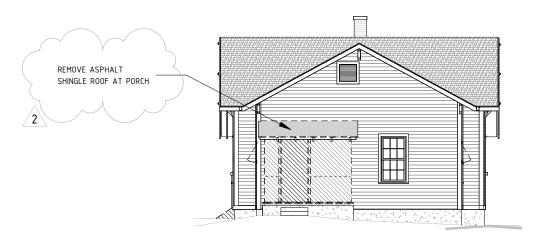
SEARS FAMILY LLC are



REV 2: 5-18-2023

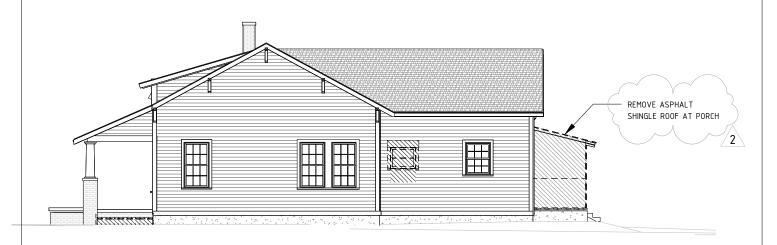
SD-2.2

01/31/23



NORTH ELEVATION - DEMOLITION

SCALE: 3/32" = 1'-0"





EAST ELEVATION - DEMOLITION

SCALE: 3/32" = 1'-0"

REV 2: 5-18-2023

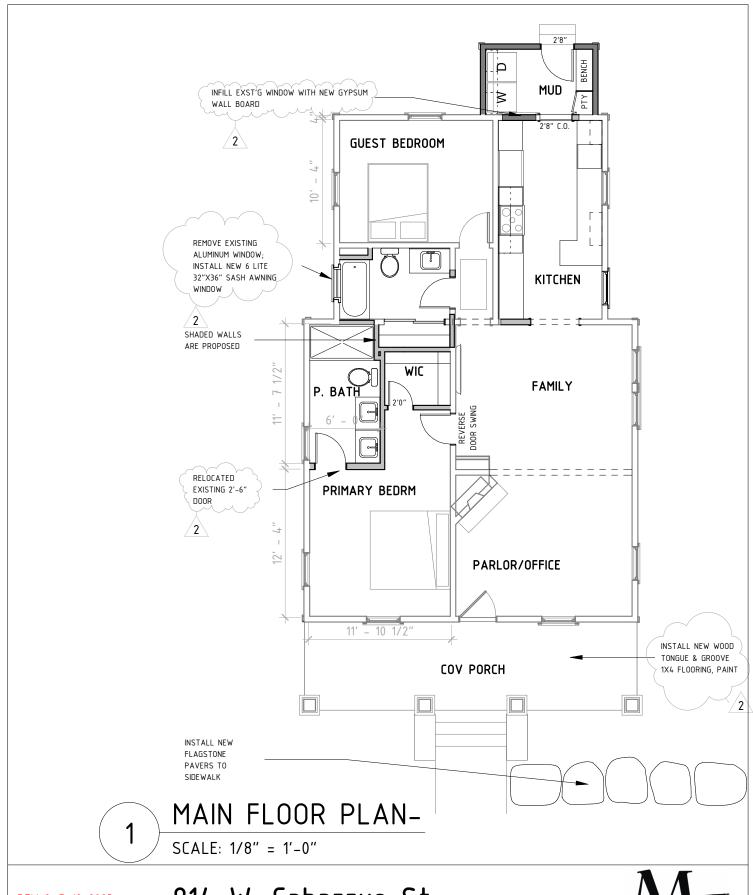
SD-2.3 01/31/23

914 W. Cabarrus St. **DEMO ELEVATIONS**



SEARS FAMILY LLC

919 829 4969



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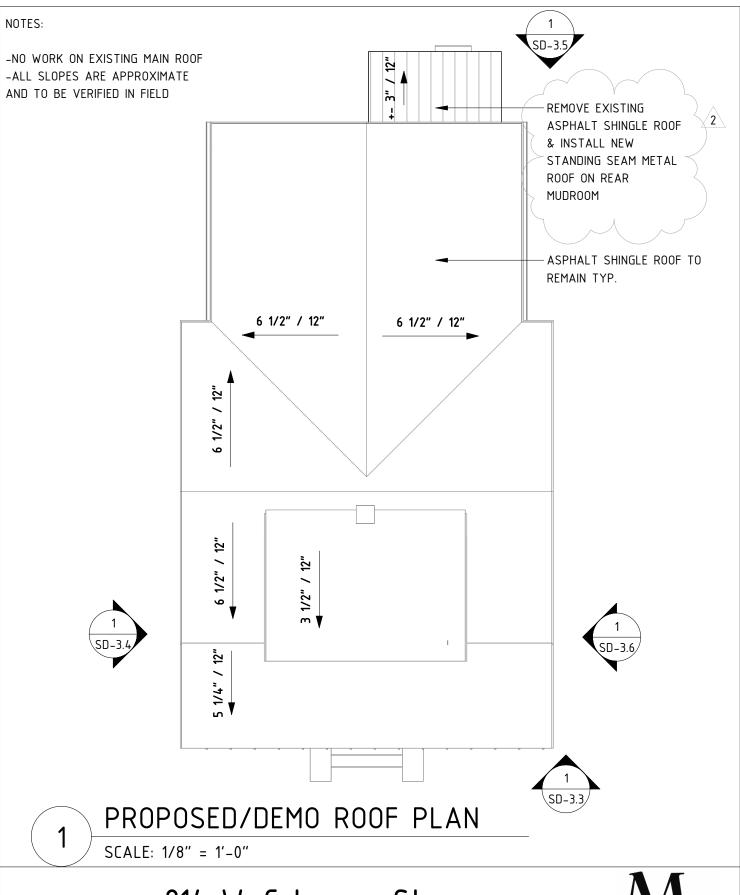
SD-3.1

914 W. Cabarrus St. PROPOSED PLAN



SEARS FAMILY LLC

1-31-2023



REV 2: 5-18-2023

914 W. Cabarrus St.

SD-3.2

1-31-2023

PROPOSED ROOF PLAN SEARS FAMILY LLC Architecture

919 829 4969

PROPOSED SOUTH ELEVATION

914 W. Cabarrus St.

REV 2: 5-18-2023

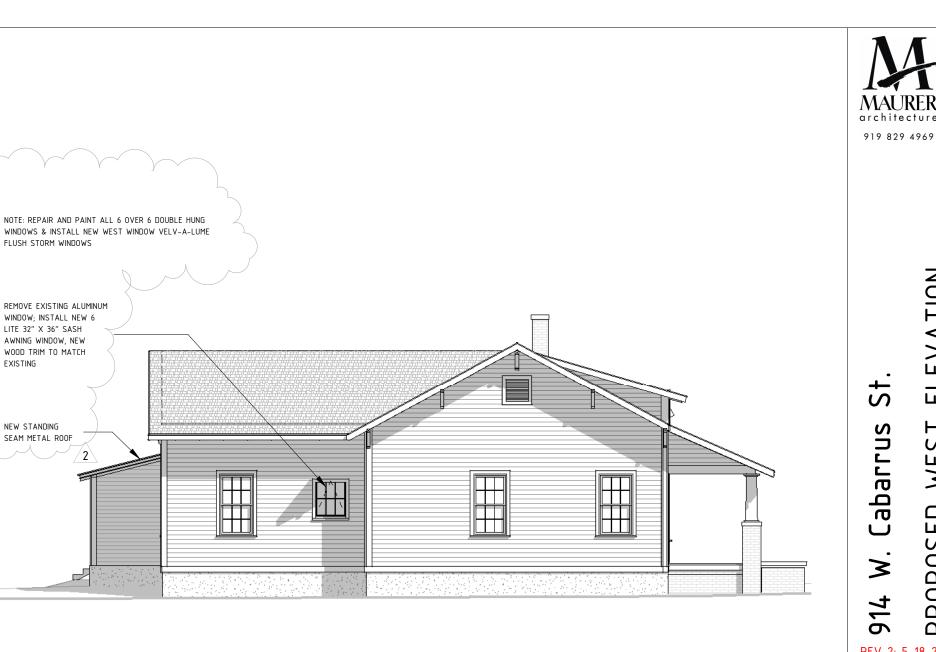
1-31-2023

SD-3.3



1

BUILDING ELEVATION - PROPOSED SOUTH





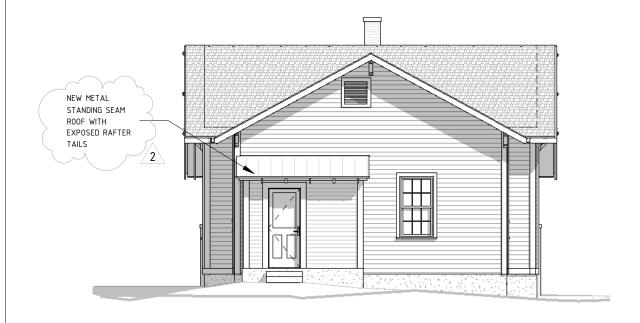
REV 2: 5-18-2023

1-31-2023

SD-3.4

BUILDING ELEVATION - PROPOSED WEST





914 W. Cabarrus St. PROPOSED ELEVATIONS

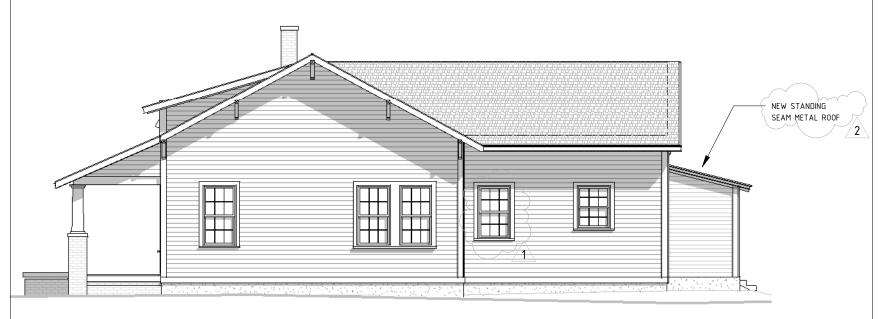
REV 2: 5-11-2023

1-31-2023

SD-3.5

BUILDING ELEVATION - PROPOSED NORTH SD





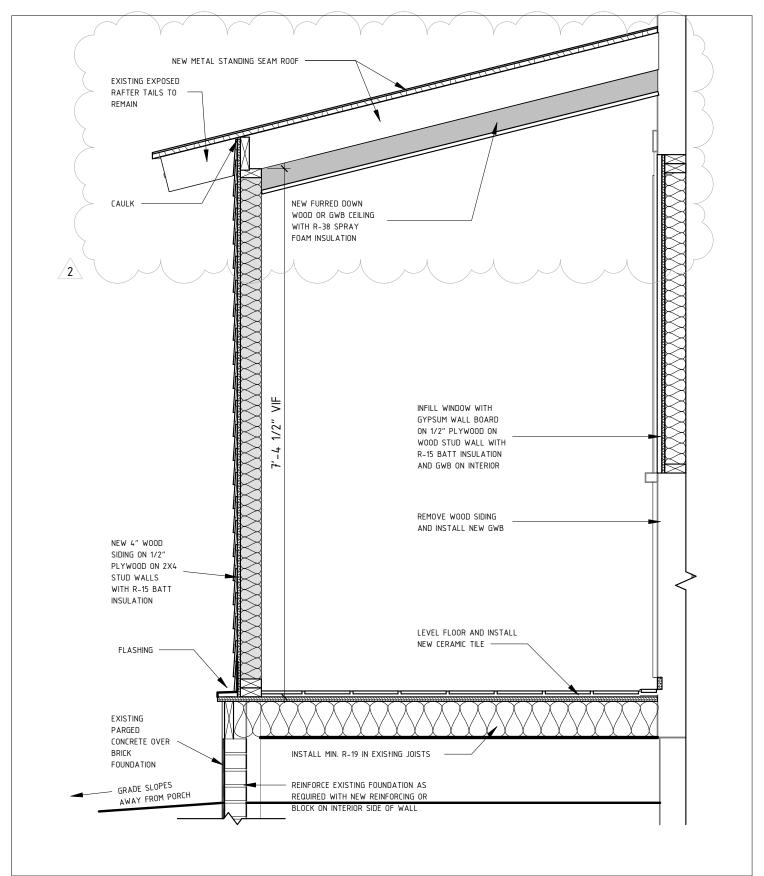
914 W. Cabarrus St. PROPOSED ELEVATIONS

REV 2: 5-18-2023

1-31-2023

SD-3.6

BUILDING ELEVATION - PROPOSED EAST SD

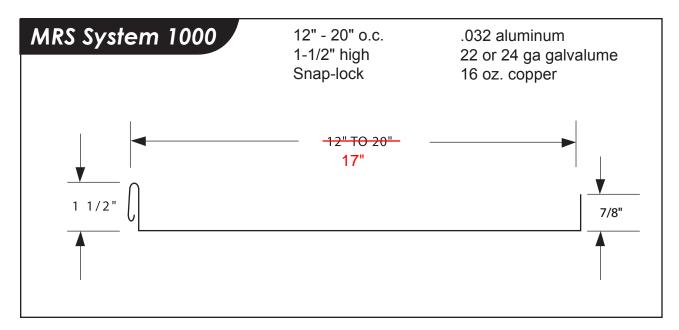


REV 2: 5-18-2023

REAR PORCH DETAIL SD-4 01/31/23

914 W. Cabarrus St.





ASTM E1592 Tested

Ideal for residential applications

Material: .032 Aluminum, 22 or 24 ga Galvalume, 16 oz. Copper

12" to 20" o.c.

Features: Striations (Recommended)

Flat

Stress Ribs

Requirements: Solid Substrate

Ice & Water Shield or Synthetic Underlayment

Minimum Roof Pitch: 3" on 12"

Finish: Kynar 500



7687 Mikron Drive Stanley, NC 28164 Tel: 704-820-3110 Fax: 704-820-0113 370 Allied Drive, Unit C Conway, SC 29526 Tel: 843-347-6673 Fax: 843-347-6693 3214 Hanover Road Johnson City, TN 37604 Tel: 423-434-0535 Fax: 423-434-0537



Website: www.metalroofingsystems.biz











METALLIC COLORS



*COPPER





NON-PAINTED



ACRYLIC COATED GALVALUME®

* CONTACT YOUR REPRESENTATIVE FOR EXACT COLOR CHIP SAMPLE



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"Available at a slight price premium.

Colors shown are matched as accurately as possible, but may vary slightly from finished product. These rich and vibrant colors are produced with either Kynar 500 ° or Hylar 5000 ° resins, which provide superior color retention, and allow us to offer non-prorated coating warranties for most applications. Coating warranty varies for Regal Red, Matte Black, Copper, Silver, Champagne, and Pre-Weathered Galvalume. Metallics are warranted for chip, crack, and peel only. Please contact your representative for more information.

STOCK AVAILABILITY MATRIX **GALVALUME ALUMINUM** 24 ga. ISR **EMI** 3yr. SRI .040 .050 .063 L Aged Copper 0.47 0.85 0.46 53 Ash Gray L 0.39 0.84 0.39 41 L Bone White 0.47 0.83 58 N/A 0.25 0.85 0.23 23 Burgundy L Champagne Metallic 0.37 0.80 0.35 37 Charcoal Gray 0.29 0.84 0.28 28 L Colonial Red 0.30 0.85 0.29 30 Copper Metallic L 0.49 0.86 0.47 56 Dark Bronze 0.26 0.84 0.25 24 Ш Dove Grav 0.49 0.86 N/A 56 Evergreen 0.27 0.86 0.26 26 Hartford Green 0.26 0.85 0.25 24 L Hemlock Green 0.29 29 0.86 Mansard Brown 0.27 0.86 0.25 26 Matte Black 0.29 27 0.83 0.27 П Medium Bronze 0.30 0.87 0.28 31 Patina Green 0.28 0.87 0.28 28 Pre-weathered Galvalume® 0.30 0.79 0.28 27 Regal Blue 0.26 0.85 0.25 24 Regal Red L 0.42 0.83 0.41 45 L Regal White 0.67 0.86 0.67 81 Sandstone 0.54 0.86 0.53 63 L * Sierra Tan 0.35 0.86 0.34 37 L Silver Metallic 0.59 0.79 67 0.60 Slate Blue 0.29 0.85 0.28 28 L Slate Grav 0.33 0.84 0.33 33 П Stone White 0.60 0.86 0.56 71 L Surrey Beige 0.42 0.85 0.41 46 L Terra Cotta 0.35 0.86 0.35 37 Acrylic Coated Galvalume® Ш 0.67

* IF DESIRED COLOR IS NOT LISTED ON MATRIX PLEASE CONTACT METAL ROOFING SYSTEMS FOR AVAILABILITY

NOTES

- All metal is painted with a .20 mil primer and .70 -.90 mil Top Coat of 70% Kynar 500 or Hylar 5000. The reverse side has a .20 primer and .30 - .40 backer coating.
- 22 gauge steel available upon request.
- For low slope roofing to meet Energy Star requirements the ISR must be ≥ 0.65. After 3 years, the solar
 reflectance must be ≥0.50.
- For steep slope roofing to meet Energy Star requirements the ISR must be ≥ 0.25. After 3 years, the solar reflectance must be ≥0.15.
- For low slope roofing to meet LEED 2009 requirements the SRI must be \geq 78.
- For steep slope roofing to meet LEED 2009 requirements the SRI for 100% of the roof must be ≥ 29.
- Low slope is defined as ≤2:12.
- Steep slope is defined as >2:12.

KEY		
•	Stocked Item	
*	Energy Star Compliant	
	LEED 2009 Compliant	
ISR	Initial Solar Reflectance	
EM	Emissivity	
SRI	Solar Reflectance Index	

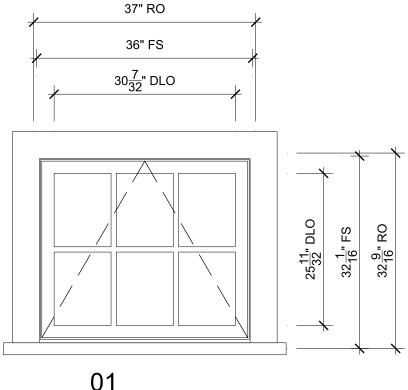




Oil canning is an aesthetic issue and is an inherent part of light gauge cold formed metal products. By using coil that has been processed properly, designing for thermal movement, following stringent specifications for installation and proper handling most oil canning can be eliminated. Oil canning is not grounds for coil/panel rejection.

Galvalume^a is a registered trademark of BIEC. Hylar 5000 is a registered trademark of Solvay Solexis, Inc. Kynar 500 is a registered trademark of Atofina. Inc.





U1SCALE: 3/4" = 1'-0"







Divided Lite

SPECIFICATIONS

Line #: 1

Product Line: Ultimate Wood Unit Description: Awning Rough Opening: 37" X 32 9/16" Frame Size: 36" X 32 1/16"

Masonry Opening: 44 5/8" X 37 7/16" Sash Opening: 37" X 32 9/16" Inside Opening: 37" X 32 9/16"

Exterior Finish: Primed

Glass Information: IG - 3/4", Low E2 w/Argon, Black Divider Type: 7/8" Rectangular SDL W/ Spacer - Black Hardware Type: Folding Handle, No Sash Travel Limiter

Screen Type: Aluminum Screen

Jamb Depth: 4 9/16"

Exterior Casing: 5/4 Flat Casing Subsill: Simulated Thick Subsill

FOR DESIGN INTENT ONLY, NOT FOR MANUFACTURE.



PROJ/JOB: 914 W CABARRUS / JBK CONST

DIST/DEALER: AMERICAN CEDAR & MILLWORK-RALEIGH

DRAWN: TIM HARRIS

QUOTE#: AA4YG76

PK VER: 0004.02.01

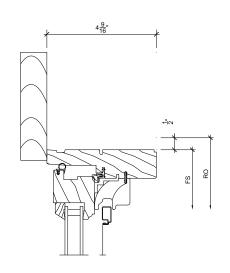
CREATED: 05/12/2023

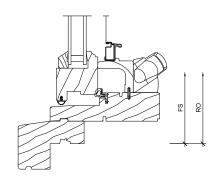
REVISION:

SHEET

1

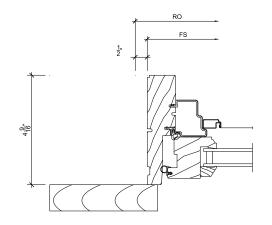
OF 2

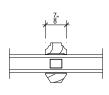




1 Head SCALE: 3" = 1'-0"

3 Sill 2 SCALE: 3" = 1'-0"





2 Jamb SCALE: 3" = 1'-0"

Divided Lite

SCALE: 3" = 1'-0"

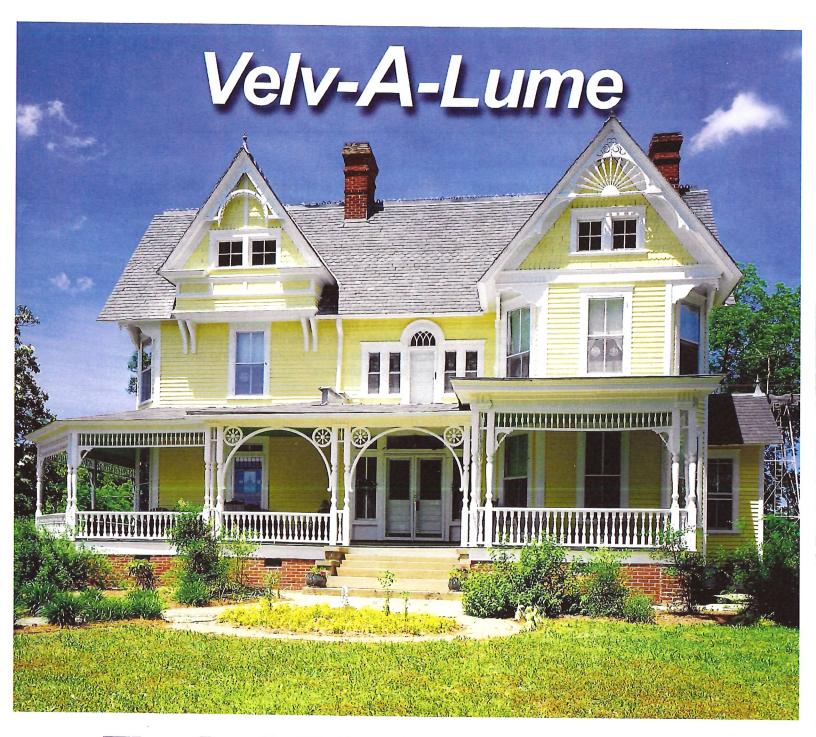


PROJ/JOB: 914 W CABARRUS / JBK CONST
DIST/DEALER: AMERICAN CEDAR & MILLWORK-RALEIGH
DRAWN: TIM HARRIS
QUOTE#: AA4YG76 PK VER: 0004.02.01 CRI

CREATED: 05/12/2023 REVISION:

SHEET 2

OF 2



The Invisible Storm Window



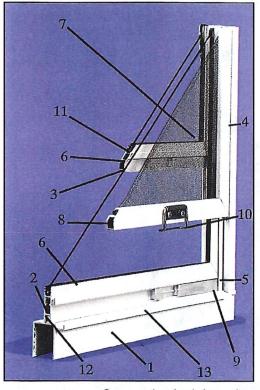
Velv-A-Lume

The Invisible Storm Window

VELV-A-LUME Historical Storm Windows have been used to solve difficult window situations for many years in both residential and commercial buildings. With historic renovations on the rise all across the nation, there is a need for a storm window that will provide protection to the original windows as well as increase their thermal efficiency – without changing the historic look. Designed and produced with this exact purpose in mind, the VELV-A-LUME is the perfect solution for many historic window projects.

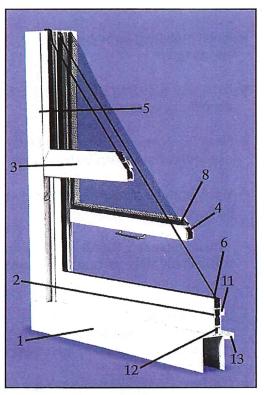
The combination of strong tubular aluminum extrusions, tongue and groove sash seal, and close tolerances between sash and frame make the VELV-A-LUME Storm Window a serious performer. As a result, VELV-A-LUME Storm Windows have been installed in many state, local, and federal projects, including office buildings, colleges, police barracks, highway department buildings, and hospitals, as well as veterans administration and military reservation facilities. Available as both an outside or inside mount window, the VELV-A-LUME has been installed on numerous warehouse or factory to loft-style apartment conversion projects with great success.

In many historic renovations, existing architectural details such as windows must be preserved due to restrictions and guidelines enacted by localities. The VELV-A-LUME Storm Window has been used extensively in these situations. Designed to fit flush within the existing window opening, it's often difficult to detect that a storm window has been installed. VELV-A-LUME Storm Windows are butt construction, expander style windows. An expander window is unique in that it can be fitted into a window opening that is out of square and still fit perfectly, allowing the sash and frame to remain square and operate with ease. A unique receptor system is also available for masonry openings, as well as radius top fixed windows to fit many openings. VELV-A-LUME...the ideal choice for "invisible" protection.



KEY

- 1. Sill Main Frame
- 2. Lower Sash Frame Tubular Extrusion
- Upper Sash Frame Tubular Extrusion
- Insect Screen Frame Tubular Extrusion
- 5. Frame Jamb
- 6. Glazing Vinyl
- 7. Aluminum Insect Screen (Fiberglass Optional)
- Lower Screen Frame Tubular Extrusion
- Flush Finger-Tip Operated Sash Slide Bolt
- Screen Latch Handle Stainless Steel
- 11. Sash Interlock
- 12. Tongue and Groove Type Seal
- 13. Screen Track with Latch Lip



Corner section of main frame of storm window, showing both top and bottom sash and screen, each in separate tracks. (Note: all screen rails and bottom of both insert rails are tubular extrusions to assure more strength and rigidity.)

Both sash are glazed with wrap-around vinyl for easier repair and strength. Special corners are used to eliminate dimples and staking marks.

On the Cover: "Person-McGhee Farm" located in Franklin County, North Carolina. Oldest part built between 1770 and 1820. Listed in National Register of Historical Places August 14, 1979. Velv-A-Lume Storm Windows installed in Spring of 1999.

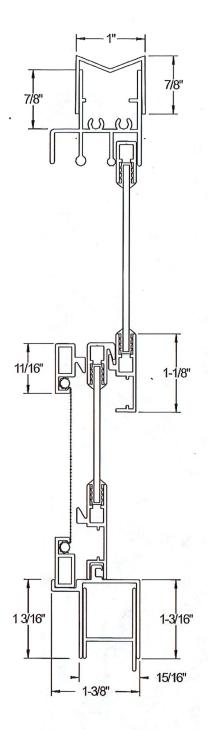


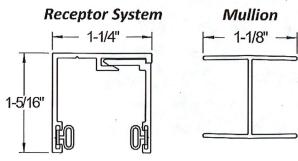
Radius top Removable Panel Fixed Units shown in Tan on the Rockefeller Norfolk Luxury Apartments, Norfolk, Virginia. The VELV-A-LUME storm window is a great performer in both commercial and residential applications.



- Flush mounting for non-obtrusive appearance
- Expander type frame for a perfect fit in almost any opening
- Most fasteners are concealed by the expanders for a clean installed look
- Wide fingertip operated sash latches for easy operation
- Tubular extruded T6063-T6 aluminum for exceptional strength and long service life
- Interlocking sash and screen with tongue and groove seal at bottom for remarkable resistance to the elements
- Electrostatically applied polyester resin paint finishes provide long lasting service







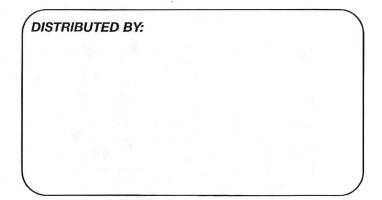
V3T Three Track Storm Window

Standard Features

- Flush mount expander style Storm Window
- T-6063 Aluminum Extrusions, .050" walls in main frame, .0465" walls in sash profiles
- 1" Expanders on jambs, 7/8" Expander on head
- Sashes and screen are side-loaded into the frame for outstanding structural strength.
- Wide fingertip operated zinc die-cast sash slide bolts
- Sash corners are securely fastened with internal self-locking zinc die-cast corner gussets – no exposed fasteners
- · Extruded full-width aluminum interlock at meeting rail
- Extruded tongue and groove sash to frame closure at frame sill for improved structure, air performance, and water control.
- Both sashes are channel glazed using a flexible vinyl glazing gasket and can be re-glazed if necessary.
- When ventilating with bottom sash fully raised, the screen interlocks with the sash for improved insect control (unless meeting rail is moved from the standard location).
- Architectural paint finish meets AAMA 2603.
 Colors available: White, Bronze, and Tan.

Optional Features

- Matching Picture Window (VPW)
- Radius Top Transom & Picture Window
- Numerous glazing options, Low-E, tempered glass
- Mullion for multiple units
- Receptor System for masonry openings
- Large Sill Expander for steeply sloped sills
- Beveled Side Expander for shallow openings
- Exterior or Interior mounting



Manufactured by:



Martinsville, Virginia 24115 Phone (276) 638-2394 www.westwindow.com

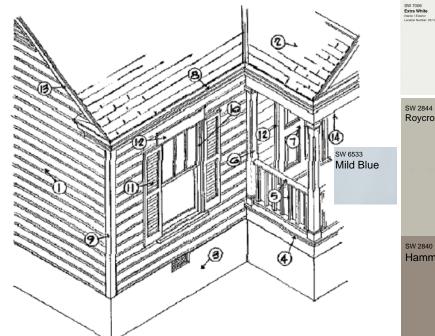
Raleigh Historic Development Commission – Certificate of Appropriateness Paint Schedule



SLATE GRAY Proposed rear shed Metal Roofing System



Existing Grey asphalt shingle to remain



SW 2844 Roycroft Mist Gray

Hammered Silver

Applicant Lynn Sears (Sears Family LLC)

Address 914 W. Cabarrus St.

Paint Manufacturer (Please submit color chips with this schedule)

Sherwin Williams

Color	Schedule	
1	Body of House	SW 2844 Roycroft Mist Gray
2	Roofing	existing grey, proposed shed in rear to be metal: Slate Gray
3	Foundation	SW 2840 Hammered Silver
4	Porch Floor	SW 2840 Hammered Silver
5	Railing	SW 7006 Extra White
6	Columns	Wood Columns: SW 7006 Extra White, Brick Base of Column: SW2840 Hammered Silver
7	Entrance Door	SW 2840 Hammered Silver
8	Cornice	SW 7006 Extra White
9	Corner Boards	SW 7006 Extra White
10	Window Sash	SW 7006 Extra White
11	Shutter	n/a
12	Door & Window	Trim SW 7006 Extra White
13	Rake	SW 7006 Extra White
14	Porch Ceiling	SW 6533 Mild Blue
15	Other	Workshop paint scheme to match house