

1. VRB Agenda 5.20.25

Documents:

[VILLAGE_REVIEW_BOARD_AGENDA_052025.PDF](#)

2. 25-007 13 Market Ln

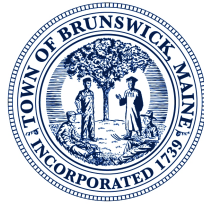
Documents:

[13 MARKET VRB PACKET.PDF](#)

3. 25-009 60 Maine St

Documents:

[60 MAINE ST VRB PACKET.PDF](#)



Town of Brunswick, Maine

Planning & Development Department

85 UNION STREET, BRUNSWICK, ME 04011

VILLAGE REVIEW BOARD AGENDA

Tuesday, May 20, 2025 @ 6:30 P.M.

Brunswick Town Council Chambers

There is an opportunity to attend this meeting in person or view the meeting via Zoom

How to watch and comment via Zoom

Please follow the link below to join the webinar:

<https://us02web.zoom.us/j/87168139567?pwd=TtI5H8naUePDXIuYVobShhxtSNvANg.1>

Passcode: y5KJbX

The public may provide comment via email (jerdman@brunswickme.gov) prior to the meeting OR they may provide live comment at the meeting via Zoom or in person. Comments are allowed during the public comment period, during public hearings, and on other items and matters at the discretion of the Council Chair.

1. **Case No. VRB 25-007 13 Market Lane:** At the request of the applicant and owner, Lucas Lincoln, the Village Review Board will review and act upon a request for a Certificate of Appropriateness to relocate an entry door, replace existing windows and add a new window location. The property is located at 13 Market Lane (Map U08, Lot 71) within the Growth Residential Use 7 (GR7) Zoning District and the Village Review Overlay (VRO).
2. **Case No. VRB 25-009 60 Maine Street:** At the request of the applicant, Morning Glory Natural Foods, on behalf of the owners, Craig Urquhart and Susan Tarpinian, the Village Review Board will review and act upon a request for a Certificate of Appropriateness for structural modifications to create a receiving area at the rear of the building. The property is located at 60 Maine Street (Map U13, Lot 23) within the Growth Mixed Use 6 (GM6) Zoning District and the Village Review Overlay (VRO).
3. **Staff Approvals:**
None
4. **Other Business**
5. **Adjourn**

Town of Brunswick, Maine

DEPARTMENT OF PLANNING AND DEVELOPMENT

DRAFT FINDINGS OF FACT REQUEST FOR CERTIFICATE OF APPROPRIATENESS FOR ADDITIONS AND ALTERATIONS VILLAGE REVIEW BOARD

PROJECT NAME: 13 Market Lane Windows and Entry

CASE NUMBER: VRB 25-007

LOCATION: Map U08, Lot 71; 13 Market Lane

**OWNER &
APPLICANT:** Lucas Lincoln
13 Market Lane
Brunswick, ME 04011

REVIEW DATE: May 20, 2025

PROJECT SUMMARY

The applicant is requesting a Certificate of Appropriateness for Alterations to replace (and relocate) an existing second floor window with an egress window, add an additional window and opening on the second floor, and relocate and replace the side porch entrance. The existing second story window is disrepair and also requires an update to meet fire code. The two proposed Andersen 400 Series windows will match the windows on the west side of the house in size, style and placement. In addition, the applicant intends to match the original mouldings. The porch entrance is proposed to be moved from the south to the east side of the porch facing the driveway. The proposed entrance, a wooden 2-lite four panel entry door with sidelights, will require the removal of three existing first story windows. An Andersen 400 WDH2832 double hung window is proposed to replace the former storm door. The home is a contributing colonial-style structure constructed circa 1800 and we have no historical survey on file for the property.

REVIEW STANDARDS, SECTION 5.2.8.C, TOWN OF BRUNSWICK ZONING ORDINANCE

(1) General Standard

- a. **All Certificates of Appropriateness for new construction, additions, alterations, relocations or demolition shall be in accordance with applicable requirements of this Ordinance.**

The proposed modifications to the property require a building permit in addition to a Certificate of Appropriateness as there are structural changes to the building.

- b. **In meeting the standards of this Ordinance, the applicant may obtain additional guidance from the *U.S. Secretary of Interior's Standards for Rehabilitating Historic Buildings* and the *Village Review Zone Design Guidelines*.**

The Village Review Overlay District Design Guidelines encourage repair of original windows over replacement. For replacement windows, the guidelines state that “the first and best option to maintain historic character is to look for a replacement in kind – a window that matches the size, material, muntin configuration, and detail of the existing window.”

(2) New Construction and Additions and Alterations to Existing Structures

- a. In approving applications for a Certificate of Appropriateness for new construction, additions or alterations to contributing resources, the reviewing entity shall make findings that the following standards have been satisfied:**

- i. Any additions or alterations shall be designed in a manner to minimize the overall effect on the historic integrity of the contributing resource.**

The applicant proposes to use Andresen 400 series casement windows with a two over one grid pattern to match the existing windows. As noted, the windows will remain the same size and will match the configuration of the windows on the west side of the house. The applicant intends to match the original window mouldings that are on the west side.

- ii. Alterations shall remain visually compatible with the existing streetscape.**

The proposed revisions are no less compatible with the existing streetscape.

- iii. Concealing of distinctive historic or architectural character-defining features is prohibited. If needed, the applicant may replace any significant features with in-kind replacement and/or accurate reproductions.**

The east side of the house that the applicant is altering has seen changes previously and the first-floor porch is not original to the structure. There is no concealing of character-defining features proposed. The applicant proposes recreating the window mouldings on the upstairs windows to match the original windows on the west side.

- iv. New construction or additions shall be visually compatible with existing mass, scale and materials of the surrounding contributing resources.**

Not applicable.

- v. When constructing additions, the applicant shall maintain the structural integrity of existing structures.**

Not applicable.

- b. In approving applications for a Certificate of Appropriateness for new construction of, or additions to commercial, multi-family and other non-residential structures, the Village Review Board shall make findings that the following additional standards have been satisfied.**

- i. Where practicable, new off-street parking shall be located to the rear of the principal building and shall be accessed from a secondary street. In cases**

where off-street parking currently exists in a front or side yard, the parking area shall be screened from the public right-of-way with landscaping or fencing.

Not applicable.

- ii. Site plans shall identify pedestrian ways and connections from parking areas to public rights-of-way.**

Not applicable.

- iii. All dumpsters and mechanical equipment shall be located no less than 25 feet away from a public right-of-way, unless required by a public utility, and shall be screened from public view.**

Not applicable.

- iv. Roof-top mounted heating, ventilation, air conditioning and energy producing equipment shall be screened from the view of any public right-of-way or incorporated into the structural design to the extent that either method does not impede functionality. Parapets, projecting cornices, awnings or decorative roof hangs are encouraged. Flat roofs without cornices are prohibited.**

Not applicable.

- v. The use of cinder block, concrete and concrete block is prohibited on any portion of a structure that is visible from the building's exterior, with the exception of use in the building's foundation.**

Not applicable.

- vi. The use of vinyl, aluminum or other non-wood siding is permitted as illustrated in the Village Review Board Design Guidelines. Asphalt and asbestos siding are prohibited.**

Not applicable.

- vii. Buildings with advertising icon images built into their design ("trademark buildings") are prohibited.**

Not applicable.

- viii. No building on Maine Street shall have a horizontal expanse of more than 40 feet without a pedestrian entry.**

Not applicable.

- ix. No building on Maine Street shall have more than 15 feet horizontally of windowless wall.**

Not applicable.

- x. **All new buildings and additions on Maine Street shall be built to the front property line. This may be waived if at least 60 percent of the building's front facade is on the property line, and the area in front of the setback is developed as a pedestrian space.**

Not applicable.

- xi. **If adding more than 50 percent new floor area to a structure located on Maine Street, the addition shall be at least two (2) stories high and/or not less than 20 feet tall at the front property line.**

Not applicable.

- xii. **The first-floor facade of any portion of a building that is visible from Maine Street shall include a minimum of 50 percent glass. Upper floors shall have a higher percentage of solid wall, between 15 percent and 40 percent glass.**

Not applicable.

- c. **Proposed additions or alterations to noncontributing resources shall be designed to enhance or improve the structure's compatibility with nearby contributing resources as compared to the existing noncontributing resources.**

The building is a contributing structure and therefore this standard is not applicable.

(3) Signs

Signs shall comply with the requirements of Section 4.13 (Signs) with consideration given to the Village Review Zone Design Guidelines.

No new signage is proposed as part of this project; not applicable.

(4) Demolition and Relocation

- a. **Demolition or partial demolition or relocation of a contributing or, if visible from a public right-of-way, a noncontributing resource, excluding incidental or noncontributing accessory buildings and structures located on the same property, shall be prohibited unless the application satisfies at least one of the following criteria.**

- i. **The structure poses an imminent threat to public health or safety. An application must be accompanied by a report from a qualified structural engineer for review by the Codes Enforcement Officer and photographs depicting the current condition of the building.**

There is no demolition proposed and therefore this standard is not applicable.

- ii. **The condition of the structure is such that it cannot be adapted for any other**

permitted use, whether by the current owner or by a purchaser, resulting in a reasonable economic return, regardless of whether that return represents the most profitable return possible, provided that the applicant can document he/she has not contributed significantly to the deterioration of the structure. An opinion shall be provided from an architect, licensed engineer, developer, real estate consultant or appraiser or from a professional experienced in historic rehabilitation, as to the economic feasibility for restoration, renovation, or rehabilitation of the contributing resource versus demolition or relocation of same.

Not applicable.

- b. Demo, partial demolition or relocation of a noncontributing resource visible from a public right-of-way, shall be approved by the Village Review Board if it is determined that the proposed replacement structure or reuse of the property is deemed more appropriate and compatible with the surrounding contributing resources than the resource proposed for demolition.**

Not applicable.

DRAFT MOTIONS
MAP U08, LOT 71 (13 MARKET LANE)
REQUEST FOR A CERTIFICATE OF APPROPRIATENESS FOR ALTERATIONS
VILLAGE REVIEW BOARD
REVIEW DATE: MAY 20, 2025

Draft Motion 1: That the Certificate of Appropriateness application is deemed complete.

Motion: Second: Vote:

Draft Motion 2: That the Board approves the **Certificate of Appropriateness for Alterations** to replace and relocate a second story window and the side porch entrance, as well as add a new window location in the single-family home located at Map U08, Lot 71; 13 Market Lane, as outlined in the application and as satisfied by Subsection 5.2.8.C with the following condition:

1. That the Board's review and approval does hereby refer to these findings of fact, the plans and materials submitted by the applicant and the written and oral comments of the applicant, his representatives, reviewing officials, and members of the public as reflected in the public record. Any changes to the approved plan not called for in these conditions of approval or otherwise approved by the Director of Planning and Development as a minor modification, shall require further review and approval in accordance with the Brunswick Zoning Ordinance.

Motion: Second: Vote:

Received: _____
By: _____

VRB Case #: _____

**VILLAGE REVIEW OVERLAY
CERTIFICATE OF APPROPRIATENESS
APPLICATION**

1. Project Applicant:

Name: Lucas Lincoln
Address: 13 Market Lane
04011 Brunswick ME
Phone Number: 207-504-4946
Email Address: lucas.lincoln@gmail.com

2. Project Property Owner:

Name: _____
Address: SAME
Phone Number: _____
Email Address: _____

3. Authorized Representative: (If different than applicant)

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

4. Physical Location of Property Being Affected:

Address: 13 Market Lane

5. Tax Assessor's Map # U08 Lot # 71 of subject property.

6. Underlying Zoning District GR7

7. Type of Activity (check all that apply):

- ☐ Additions and New Construction
☒ Structural Alteration
☐ Demolition/Moving of Structure
☐ Sign Permit

8. Describe the location and nature of the proposed change(s), including a brief description of the proposed construction, reconstruction, alteration, demolition, proposed re-use, or other change (use separate sheet if necessary):

See attached

Applicant Name (printed): Lucas Lincoln

Applicant Signature: [Signature]

Property Owner Name (printed): _____

Property Owner Signature: _____

**VILLAGE REVIEW OVERLAY
APPLICATION FOR CERTIFICATE OF COMPLIANCE
APPLICATION CHECK-LIST**

This checklist will be completed by the Department of Planning and Development. The Department requires that all application materials be submitted in BOTH hard copy and digital format. In addition, for Major Review applications, EIGHT (8) HARD COPIES are required after your application is considered complete by Department staff. Your project will not be placed on the Village Review Board's agenda until this determination is made. For assistance, please contact the Department of Planning and Development at (207)725-6660.

- ☒ Completed application form
- N/A ☒ A copy of the building survey prepared by the Pejepscot Historical Society pertaining to the structure under review (provided by Department Staff).
- ☒ A drawing showing the design, texture, and location of any construction, alteration, demolition for which a certificate is required. The drawing shall include plans and exterior elevations drawn to scale, with sufficient detail to show their relations to exterior appearances and the architectural design of the building. Drawings need not be prepared by an architect or engineer, but shall be clear, complete, and specific.
- ☒ A site plan or photographs showing the relationship of the changes to the surroundings.
- N/A ☐ If architectural features are to be removed or replaced (including but not limited to original windows, siding, roofing material and other design elements), provide photographic documentation or a written assessment from a preservation professional or contractor explaining the condition of the material and reason for removal/replacement.
- ☒ Photographs of the building(s) involved, its context, and detailed photos of immediate area.
- ☒ List all proposed materials and products, and clearly identify their location on the drawings. Indicate texture of material, if applicable.
- ☒ Provide manufacturer's product information and, if possible, bring material samples to the meeting.
- ☒ Provide information such as dimensions, photographs or source for salvaged or reused materials.
- ☐ For demolition applications, provide detailed information addressing standards contained in Subsections 5.2.8.C (4) of the Brunswick Zoning Ordinance.

This application was certified as being complete on 5/6/25 (date) by LUIS DREXLER of the Department of Planning and Development.

THIS APPLICATION WAS:

- ☐ Granted
- ☐ Granted With Conditions
- ☐ Denied
- ☒ Forwarded to Village Review Board
- ☒ Building Permit Required
- ☐ Building Permit NOT Required

Applicable Comments: _____


Signature of Department Staff Reviewing Application

COMPLIANCE WITH ZONING STANDARDS

Notice: *This form is to be completed by the Codes Enforcement Officer
and filed with the application.*

This is to certify that the application for Certificate of Appropriateness submitted by
LUCAS LINCOLN, relating to property designated on Assessors Tax Map # U08 and
Lot # 71 has been reviewed by the Codes Enforcement Officer and has been found to be in
compliance with all applicable zoning standards:

Comments: _____

Signed:  Date: 5-15-25
Print: Taylor Burdin
Code Enforcement Officer

Lucas Lincoln
13 Market Ln
Brunswick, ME 0401

Ms Julie Erdman
Director of Planning and Development
Town of Brunswick, Maine
85 Union Street
Brunswick, Maine 04011

May 05, 2025

RE 13 Market Ln Village Design Review

Dear Ms. Erdman

Please accept this application packet for a Village Review Board Certificate of Appropriateness. I am proposing the following changes to my property:

- The replacement of an existing window with an egress window on the 2nd floor,
- The introduction of a new window and opening on the 2nd floor.
- Moving the enclosed-porch entrance from the south side to the east side of the porch.

The two windows will be located in the 2nd story, east facing wall of the house, overlooking the driveway.

At present, the east wall has one window on the 2nd story, offset from center. This window is in disrepair and requires replacement – the frame has rotted away at the sill and the sashes no longer fit in the frame (which also exhibits damage).

The windows are to be casement windows of the Anderson 400 series (CW135) to match the size and style of the house while simultaneously satisfying fire department egress requirements. They will have a simulated meeting rail with a split top pane. The windows mirror the 2 windows on the 2nd-story west wall of the house, both in terms of size, style, and placement. This proposed change will give our house a symmetry between the east and west walls, and a symmetry on the east wall. A tour of Brunswick and Topsham demonstrates such an arrangement – with 2 windows on each gabled end at the 2nd story – is prevalent for high-posted colonial capes such as ours.

Regarding the 1st floor changes: Currently, entrance to the enclosed porch is done through a storm-door on the south side. We are requesting to move this entrance to the east side, with the introduction of a wooden entry door with sidelights. Photos of the proposed door are attached. The current storm door entry would be removed and an Anderson 400 WDH2832 double-hung installed in it's place.

The entire east side porch and gable end will be re-sided with new replacement shakes during this improvement, with renewal of shakes on all sides coming thereafter.

I have attached the relevant documentation for the changes, including photos of the site; drawings of the intended differences, and renderings which show the changes in question.

I appreciate your consideration and review.
Sincerely,

Lucas Lincoln





Figure 1: West Gable – view from Market Ln



Figure 2: East Gable – view from Market Ln



Figure 3: East side



Figure 4: West side



Figure 5: Window sill has rotted away under storm window flashing



Figure 6: Rot on opposite bottom corner



Figure 7: Window condition



Figure 8: Window condition



Figure 9: Site Plan: Lot 71 is 13 Market Lane. House is structure on left of lot.



Figure 10: Looking west on Market Ln, past 13 Market Ln mid-right



Figure 11: Looking east on Market Ln, past 13 Market Ln mid-left



Figure 12: View from 13 Market Ln, facing east on Market Ln

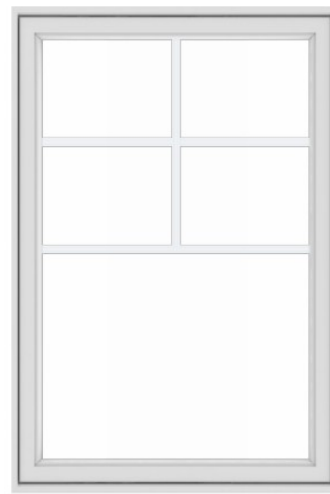


Figure 13: View from 13 Market Ln, facing west on Market Ln

400 SERIES CASEMENT WINDOW



Interior



Exterior

Summary

Product ID#	CW135
Unit Width	28 3/8"
Unit Height	40 13/16"

Figure 14: Window example - Note the grille proposed differs from photo. Proposed is to include a simulated meeting bar and is 2/1 with vertical split (rather than 4/1 as in photo).

Existing 2nd floor windows are also 28" x 40"



Figure 15: 36" Entry door – wood, with sidelights



CASEMENT & AWNING WINDOWS

Alignment Grid	22-23
Tables of Sizes	24-28
Specifications	29-32
Custom Sizes	33
Grille Patterns	34
Window Details	35-36
Joining Details	36
Combination Designs	181
Product Performance	197

CUSTOM SIZING
in 1/8" (3) increments



Dimensions in parentheses are in millimeters.

CASEMENT & AWNING WINDOWS

FEATURES

FRAME

- A** A seamless one-piece, rigid vinyl frame cover is secured to the exterior of the frame to protect the wood frame from moisture and maintain an attractive appearance while minimizing maintenance.
 - B** The seamless rigid vinyl cover extends 1 3/8" (35) around the perimeter of the unit, creating a flange to help seal the unit to the structure.
 - C** Wood frame members are treated with a water-repellent preservative for long-lasting protection and performance.
 - D** Interior stops are unfinished pine. Low-maintenance prefinished white, dark bronze and black** interiors are also available.
- SASH**
- E** Rigid vinyl encases the entire sash – a vinyl weld protects each sash corner for superior weathertightness. It maintains an attractive appearance and minimizes maintenance.
 - F** Wood core members provide excellent structural stability and energy efficiency.
 - G** Vinyl closed-cell foam weatherstrip is factory installed on the perimeter of the sash.

GLASS

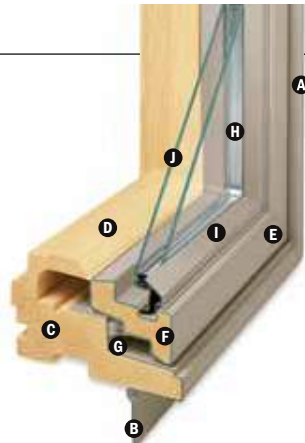
- H** In addition to stainless steel glass spacers, black or white glass spacers are now available to allow the spacer to blend in with the unit color.
- I** A glazing bead and silicone provide superior weathertightness and durability.
- J** High-Performance options include:
 - Low-E4® glass
 - Low-E4 HeatLock® glass
 - Low-E4 SmartSun™ glass
 - Low-E4 SmartSun HeatLock glass
 - Low-E4 Sun glass

Tempered and other glass options are available. Contact your Andersen supplier.

A removable translucent film helps shield the glass from damage during delivery and construction, and simplifies finishing at the job site.

Patterned Glass

Patterned glass options are available. See page 12 for more details.



HARDWARE

Smooth Control Hardware System



The smooth control hardware system employs a worm gear drive for easy operation. Units with a wash mode have hinges that move the sash away from the frame to provide easier glass

cleaning. CXW15, CXW155, CXW16 and CXW25 sizes not available with wash mode. Hardware option and finish must be specified. Operator handle and cover sold separately.

Single-Actuation Casement Lock



On casement windows, a single-actuation lock easily releases all locking points on the casement sash while the reach-out action eliminates binding when closing. The lock handle is offered in finishes that coordinate with your specified hardware option.

Awning Sash Locks



Awning sash locks provide an added measure of security and weathertightness. Hardware style and finish options are compatible with Andersen® casement windows to ensure consistency in appearance when used in window combination designs.

StormWATCH[®] PROTECTION

400 Series casement and awning windows are available with Stormwatch® Protection. For more details, visit andersenwindows.com/coastal.

Performance Grade (PG) Upgrades

Performance upgrades are available for select sizes of standard, non-impact casement and awning windows,

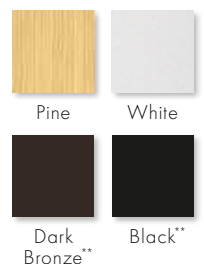
allowing these units to achieve higher performance ratings. Performance Grade (PG) ratings are more comprehensive than Design Pressure (DP) ratings for measuring product performance. Visit andersenwindows.com for up-to-date performance information of individual products. Contact your Andersen supplier for availability.

EXTERIOR & INTERIOR OPTIONS

EXTERIOR COLORS



INTERIOR OPTIONS



HARDWARE OPTIONS Sold Separately



CONTEMPORARY FOLDING

Black | Bright Brass | Gold Dust
Oil Rubbed Bronze | **Satin Nickel**
Stone | White



TRADITIONAL FOLDING

Antique Brass | Black | Bright Brass
Distressed Bronze | Distressed Nickel
Gold Dust | Oil Rubbed Bronze
Satin Nickel | Stone | White

Folding handles avoid interference with window treatments.



CLASSIC SERIES™

Stone | White



ESTATE™

Antique Brass | Bright Brass
Brushed Chrome | Distressed Bronze
Distressed Nickel | Oil Rubbed Bronze
Polished Chrome | Satin Nickel

HARDWARE FINISHES



Naturally occurring variations in grain, color and texture of wood make each window one of a kind. All wood interiors are unfinished unless a finish is specified. Distressed bronze and oil rubbed bronze are "living" finishes that will change with time and use.

*Visit andersenwindows.com/warranty for details.

**Products with dark bronze and black interiors have matching exteriors.

Dimensions in parentheses are in millimeters.

Printing limitations prevent exact replication of colors and finishes.

See your Andersen supplier for actual color and finish samples.

ACCESSORIES Sold Separately

FRAME

Extension Jamb



Standard jamb depth is 2 7/8" (73). Extension jambs are available in unfinished pine or prefinished white, dark bronze and black. Some sizes may be veneered.

Factory-applied and non-applied interior extension jambs are available in 1/16" (1.5) increments between 4 9/16" (116) and 7 1/8" (181). Extension jambs can be factory applied to either three sides (stool and apron application) or four sides (picture frame casing).

Thick Replacement Extension Jambs

To help preserve original alignment of trim and paint lines in replacement situations, special 1 1/8" (29) thick replacement extension jambs are available. Factory-applied and non-applied extension jambs are available in 1/16" (1.5) increments between 4 9/16" (116) and 7 1/8" (181). Non-applied extension jambs are available in 12' (3658) lineals. Detail on page 34.

Drywall Return Bead



A drywall return bead is available in a narrow or wide dimension with unfinished pine or prefinished white, dark bronze and black interiors. Can be ordered factory applied or in non-applied lineals. Detail on page 34.

HARDWARE

Corrosion-Resistant Components



Corrosion-resistant hinge and operator arm hardware is designed for applications in harsh and corrosive environments such as heavy industrial or coastal areas.

Window Opening Control Device



A window opening control device is available, which limits sash travel to less than 4" (102) when the window is first opened. Available factory applied, or as a field-applied kit in white, stone and black.

Power Operator for Awning Windows



Awning windows can be ordered with an operator enhanced by PowerAssist™ technology that opens and closes the window with the touch of a button. Easy to install, the 24-volt system features a concealed window power drive, battery backup in case of a power outage and a moisture sensor that automatically closes the window when it rains. A wireless remote control is available (sold separately).

The PowerAssist system is controlled by a wall-mounted console, which includes a power box, battery, touch pad and mounting bracket. Windows can be ordered factory prepped to save time, or they can be ordered as a field kit. Power driver requires field installation. PowerAssist technology eliminates the need for sash locks. Available for windows up to 5' (1524) wide. Not available for units with Stormwatch® Protection or performance upgrades.

SPECIAL USE OPERATOR HANDLES

Available in Classic Series™ design only.

Compact Operator Handle



Specially designed for use in situations where blinds or other window treatments interfere with standard operator handle. Available in white or stone finish.

Easy-Grip Handle

Larger knob makes it easier to grip and operate. Available in white or stone finish.



Operator Spline Cover



An operator spline cover is an attractive cap that covers the roto operator stud when the handle has been removed to control access or operation of the window. The operator spline cover should not be used on any window designated or intended for emergency escape or rescue. Please consult your local building code official for local egress code requirements.

Metal T-Handle



Our smallest operator handle, the metal T-handle, may make it more difficult for young children (5 and under) to open the window. For more information on child safety, write:

Andersen Corporation
LookOut For Kids® Program
100 Fourth Avenue North
Bayport, MN 55003
Call 800-313-8889 or email
lofk@andersencorp.com.

GLASS

Andersen® Art Glass

Andersen art glass panels come in a variety of original patterns. See art glass section starting on page 173 for more information or visit andersenwindows.com/artglass.

INSECT SCREENS

TruScene® Insect Screens



Andersen TruScene insect screens let in over 25% more fresh air** and provide 50% greater clarity than conventional Andersen insect screens, all while keeping out unwanted small insects. For casement and awning windows, frames are available in white, stone, dark bronze and black, or with pine veneer frame interiors to blend with the wood interior of the window.

Conventional Insect Screens

Conventional insect screens have charcoal powder-coated aluminum screen mesh. Available with frames in white, stone, dark bronze and black.

GRILLES

Grilles are available in a variety of configurations and widths. For casement and awning window grille patterns, see page 34.

EXTERIOR TRIM

Available with Andersen exterior trim. See exterior trim section starting on page 175.

CAUTION:

- Painting and staining may cause damage to rigid vinyl.
- 400 Series windows in Terratone color may be painted any color lighter than Terratone color using quality oil-based or latex paint.
- Do not paint 400 Series windows in white, canvas, Sandtone, dark bronze, forest green or black exterior colors.
- Andersen does not warrant the adhesion or performance of homeowner-applied paint over vinyl or other factory-coated surfaces.
- For vinyl painting instructions and preparation, contact your Andersen supplier.
- Do not paint weatherstrip.
- Creosote-based stains should not come in contact with Andersen products.
- Abrasive cleaners or solutions containing corrosive solvents should not be used on Andersen products.



















































































































































































*Visit andersenwindows.com/warranty for details.

**TruScene insect screens let in over 25% more fresh air than standard Andersen fiberglass insect screens.

Dimensions in parentheses are in millimeters.

CASEMENT & AWNING WINDOWS














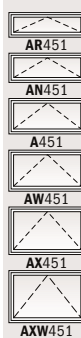



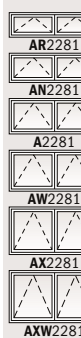
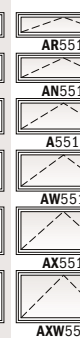
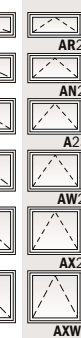
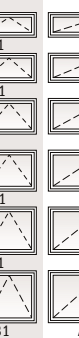
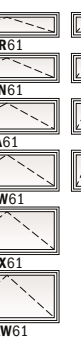

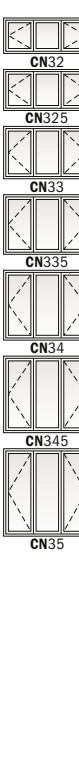





Alignment Grid for Standard-Size Casement, Awning, Picture, Transom, Half Circle, Quarter Circle and Arch Windows

	1'-5"	1'-8 1/2"	2'-0 1/8"	2'-4 3/8"	2'-7 1/2"	2'-9 3/4"	2'-11 15/16"	3'-4 3/4"	3'-4 13/16"	4'-0"				
Specialty	(432)	(521)	(613)	(721)	(800)	(857)	(913)	(1035)	(1037)	(1219)				
See the specialty window section starting on page 117 for these and other specialty shapes and sizes.			   	   	 		   			  				
Transom														
1'-0" (305)	 CTR1510	 CTR1810	 CTR2010	 CTR2410	 CTR2810	 CTR2910	 CTR3010	 PTR3010	 CTR3410  CTR21810	 PTR3510	 CTR4010  CTR22010	 PTR4010		
Awning														
1'-5" (432)														
1'-8 1/2" (521)														
2'-0 1/8" (613)														
2'-4 3/8" (721)														
2'-7 1/2" (800)														
2'-11 15/16" (913)														
3'-4 3/4" (1035)														
Casement, Awning and Picture														
2'-0 1/8" (613)														
2'-4 3/8" (721)														
2'-11 15/16" (913)														
3'-4 13/16" (1037)														
4'-0" (1219)			 				 						 	
4'-4 13/16" (1341)														
4'-11 7/8" (1521)							 		 					
5'-4 13/16" (1646)														
5'-11 7/8" (1826)			 				   		 		 			

*Dimensions in parentheses are in millimeters.

*Actual height of 4'-11 13/16" (1519).

**Actual height of 5'-11 5/8" (1819).

4'-4 13/16" (1341)	4'-8 1/2" (1435)   CTCW2	4'-11 7/8" (1521)	5'-1" (1549)	5'-2 3/4" (1594)  CTCX2	5'-4 13/16" (1646)	5'-11 5/8" (1819)	5'-11 7/8" (1826)  CTC3	7'-0 5/8" (2149)
 PTR4510	 CTR4810 CTR22410	 PTR5010	 CTR5110 CTR31810	 CTR5210 CTR22810	 PTR5510	 CTR51110 CTR23010	 CTR6010 CTR32010	 PTR6010 CTR7010 CTR32410
 AR451 AN451 A451 AW451 AX451 AXW451	 AR2251 AN2251 A2251 AW2251 AX2251	 AR51 AN51 A51 AW51 AX51 AXW51	 AR2281 AN2281 A2281 AW2281 AX2281 AXW2281	 AR551 AN551 A551 AW551 AX551 AXW551	 AR231 AN231 A231 AW231 AX231 AXW231	 AR61 AN61 A61 AW61 AX61 AXW61	 AR321 AN321 A321 AW321 AX321 AXW321	 AR3251 AN3251 A3251 AW3251 AX3251
	 CW22 CW225 CW23 CW235 CW24 CW245 CW25 CW255 CW26		 CN32 CN325 CN33 CN335 CN34 CN345 CN35	 CX23 CX235 CX24 CX245 CX25	 P5530 P5535 P5540 P5545 P5550	 CXW23 CXW235 CXW24 CXW245 CXW25	 C32 C325 C33 C335 C34 C345 C35	 CW32 CW325 CW33 CW335 CW34 CW345 CW35

* Dimensions in parentheses are in millimeters.

Similar jamb profiles enable these standard-size windows to be combined in multiple combinations. Custom-size windows are also available.

Window widths and heights shown. See individual size charts for additional dimensions.

In addition to venting configurations shown, other standard configurations are available.

CASEMENT & AWNING WINDOWS

Table of Casement and Transom Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-5"	1'-8 1/2"	2'-0 1/8"	2'-4 3/8"	2'-7 1/2"	2'-11 15/16"	2'-9 3/4"	3'-4 3/4"	4'-0"	4'-8 1/2"
	(432)	(521)	(613)	(721)	(800)	(913)	(857)	(1035)	(1219)	(1435)
Minimum Rough Opening	1'-5 1/2"	1'-9"	2'-0 5/8"	2'-4 7/8"	2'-8"	3'-0 1/2"	2'-10 1/4"	3'-5 1/4"	4'-0 1/2"	4'-9"
	(445)	(533)	(625)	(733)	(813)	(927)	(870)	(1048)	(1232)	(1448)
Unobstructed Glass (casement, single sash only)	12 5/8"	16 1/8"	19 3/4"	24"	27 1/8"	31 9/16"	12 5/8"	16 1/8"	19 3/4"	24"
	(321)	(410)	(502)	(610)	(689)	(802)	(321)	(410)	(502)	(610)
Unobstructed Glass (transom, single sash only)	12 3/16"	15 11/16"	19 5/16"	23 9/16"	26 11/16"	31 1/8"	28 15/16"	35 15/16"	43 3/16"	51 11/16"
	(310)	(398)	(491)	(599)	(678)	(791)	(735)	(913)	(1097)	(1313)
CUSTOM WIDTHS – 17" to 84 5/8"										
1'-0"										
	CTR1510	CTR1810	CTR2010	CTR2410	CTR2810	CTR3010	CTR2910	CTR3410	CTR4010	CTR4810
1'-0 1/2"										
	CTR21810							CTR22010	CTR22410	
CUSTOM WIDTHS – 17" to 35 15/16"										
2'-0 1/8"										
	CR12	CN12	C12	CW12*				CN22	C22	CW22*
2'-4 3/8"										
	CR125	CN125	C125	CW125*	CX125			CN225	C225	CW225*
2'-11 15/16"										
	CR13	CN13	C13	CW13*	CX13	CXW13		CR23	CN23	C23
3'-4 13/16"										
	CR135	CN135	C135	CW135*	CX135*	CXW135*		CR235	CN235	C235
4'-0"										
	CR14	CN14	C14	CW14*	CX14*	CXW14*		CR24	CN24	C24
4'-4 13/16"										
	CR145	CN145	C145	CW145*	CX145*	CXW145*		CR245	CN245	C245
4'-11 7/8"										
	CR15	CN15	C15	CW15*	CX15*	CXW15*		CR25	CN25	C25
5'-4 13/16"										
	CR155	CN155	C155	CW155*	CX155*	CXW155*		CR255	CN255	C255
5'-11 7/8"										
	CR16	CN16	C16	CW16*	CX16*	CXW16*		CR26	CN26	C26

*"Window Dimension" always refers to outside frame-to-frame dimension.

**"Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 210-211 for more details.











• Dimensions in parentheses are in millimeters.






















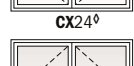
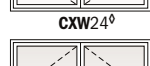
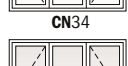
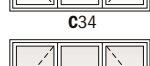
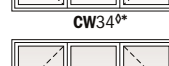





ØMeet or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610) with appropriate hinge specified. See tables on pages 29-30.

*Meet clear opening width of 20" (508) using hinge with wash mode and control bracket (bracket can be pivoted for cleaning position) and meet clear opening width of 22" (559) using hinge for widest clear opening.

**Available with straight-arm operators (hinged for widest clear opening) only.

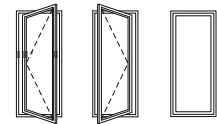
5'-2 3/4" (1594)	5'-11 5/8" (1819)	5'-1" (1549)	5'-11 7/8" (1826)	7'-0 5/8" (2149)
5'-3 1/4" (1607)	6'-0 1/8" (1832)	5'-1 1/2" (1562)	6'-0 3/8" (1838)	7'-1 1/8" (2162)
27 1/8" (689)	31 9/16" (802)	16 1/8" (410)	19 3/4" (502)	24" (610)
57 15/16" (1472)	66 13/16" (1697)	56 3/16" (1427)	67 1/16" (1703)	79 13/16" (2027)

 CTR5210	 CTR51110	 CTR5110	 CTR6010	 CTR7010
 CTR22810	 CTR23010	 CTR31810	 CTR32010	 CTR32410

		 CN32	 C32	 CW32*
		 CN325	 C325	 CW325*
 CX23	 CXW23	 CN33	 C33	 CW33*
 CX235°	 CXW235°	 CN335	 C335	 CW335**
 CX24°	 CXW24°	 CN34	 C34	 CW34°*
 CX245°	 CXW245°	 CN345	 C345	 CW345°*
 CX25°	 CXW25°**	 CN35	 C35	 CW35°*



Custom-size windows are available in 1/8" (3) increments. Windows can also be custom sized to match standard sizes ending in a sixteenth of an inch. **Single windows only.** See page 33 for custom sizes and specifications.



Left Right Stationary

Choose left, right or stationary as viewed from the exterior. In addition to venting shown in table, other standard configurations are available for single, twin and triple windows. Transom (CTR) windows are stationary only.

Twin and triple windows shown have one continuous outer frame.

Transom (CTR) windows can be used over casement or awning windows, and may be rotated 90° and used as a sidelight with casement, awning or picture windows.

Grille patterns shown on page 34.

*"Window Dimension" always refers to outside frame-to-frame dimension.

**"Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 210-211 for more details.

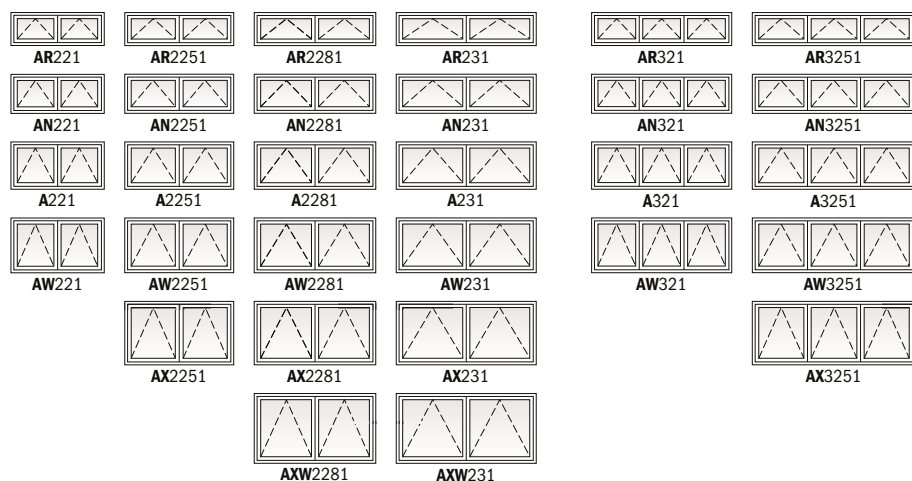
• Dimensions in parentheses are in millimeters.

◊ Meet or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610) with appropriate hinge specified. See tables on pages 29-30.

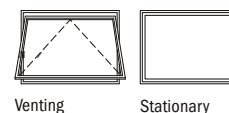
*Meet clear opening width of 20" (508) using hinge with wash mode and control bracket (bracket can be pivoted for cleaning position) and meet clear opening width of 22" (559) using hinge for widest clear opening.

**Available with straight-arm operators (hinged for widest clear opening) only.

4'-0"	4'-8 1/2"	5'-2 3/4"	5'-11 5/8"	5'-11 7/8"	7'-0 5/8"
(1219)	(1435)	(1594)	(1826)	(1826)	(2149)
4'-0 1/2"	4'-9"	5'-3 1/4"	6'-0 1/8"	6'-0 3/8"	7'-1 1/8"
(1232)	(1448)	(1607)	(1832)	(1838)	(2162)
19 5/16"	23 9/16"	26 11/16"	31 1/8"	19 5/16"	23 9/16"
(491)	(598)	(678)	(1703)	(491)	(598)



Custom-size windows are available in 1/8" (3) increments. Windows can also be custom sized to match standard sizes ending in a sixteenth of an inch. **Single windows only.** See page 33 for custom sizes and specifications.



Choose venting or stationary. **AXW551** and **AXW61** windows are stationary only. In addition to venting shown in table, other standard configurations are available for twin, triple and stacked windows.

Twin, triple and stacked windows shown have one continuous outer frame.

Awning windows must be installed to vent as shown, and should not be rotated and used as a hopper.

Transom (CTR) windows (shown on pages 24-25) can be used over casement or awning windows, and may be rotated 90° and used as a sidelight with casement, awning or picture windows.

Grille patterns shown on page 34.

• "Window Dimension" always refers to outside frame-to-frame dimension.
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 210-211 for more details.
 • Dimensions in parentheses are in millimeters.

CASEMENT & AWNING WINDOWS

Table of Picture and Transom Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Unit Dimension	2'-11 15/16" (913)	3'-4 13/16" (1037)	4'-0" (1219)	4'-4 13/16" (1341)	4'-11 7/8" (1521)	5'-4 13/16" (1646)	5'-11 7/8" (1826)
Minimum Rough Opening	3'-0 1/2" (927)	3'-5 3/8" (1051)	4'-0 1/2" (1232)	4'-5 3/8" (1356)	5'-0 3/8" (1534)	5'-5 3/8" (1660)	6'-0 3/8" (1838)
Unobstructed Glass	31 1/8" (791)	36" (914)	43 3/16" (1097)	48" (1219)	55 1/16" (1399)	60" (1524)	67 1/16" (1703)

Unit Dimension	CUSTOM WIDTHS – 36" to 71 7/8"						
	PTR3010	PTR3510	PTR4010	PTR4510	PTR5010	PTR5510	PTR6010
1'-0" (305)							
1'-0 1/2" (318)							
1'-6 3/8" (391)							
2'-0" (488)							
2'-11 15/16" (913)							
3'-0" (914)							
3'-4 13/16" (1037)							
3'-5 3/8" (1051)							
3'-6 3/8" (1065)							
3'-11 7/8" (1189)							
4'-0" (1219)							
4'-0 1/2" (1232)							
4'-4 13/16" (1341)							
4'-5 3/8" (1356)							
4'-6 3/8" (1370)							
4'-11 7/8" (1521)							
5'-0 3/8" (1534)							
5'-4 13/16" (1646)							
5'-5 3/8" (1660)							
5'-6 3/8" (1674)							
5'-11 7/8" (1826)							
6'-0 3/8" (1838)							
6'-6 3/8" (1962)							
6'-11 7/8" (2086)							
7'-0" (2091)							
7'-6 3/8" (2215)							
7'-11 7/8" (2339)							
8'-0" (2344)							
8'-6 3/8" (2468)							
8'-11 7/8" (2592)							
9'-0" (2597)							
9'-6 3/8" (2721)							
9'-11 7/8" (2845)							
10'-0" (2850)							
10'-6 3/8" (2974)							
10'-11 7/8" (3098)							
11'-0" (3103)							
11'-6 3/8" (3227)							
11'-11 7/8" (3351)							
12'-0" (3356)							
12'-6 3/8" (3480)							
12'-11 7/8" (3604)							
13'-0" (3609)							
13'-6 3/8" (3733)							
13'-11 7/8" (3857)							
14'-0" (3862)							
14'-6 3/8" (3986)							
14'-11 7/8" (4110)							
15'-0" (4115)							
15'-6 3/8" (4239)							
15'-11 7/8" (4363)							
16'-0" (4368)							
16'-6 3/8" (4492)							
16'-11 7/8" (4616)							
17'-0" (4621)							
17'-6 3/8" (4745)							
17'-11 7/8" (4869)							
18'-0" (4874)							
18'-6 3/8" (4998)							
18'-11 7/8" (5122)							
19'-0" (5127)							
19'-6 3/8" (5251)							
19'-11 7/8" (5375)							
20'-0" (5380)							
20'-6 3/8" (5504)							
20'-11 7/8" (5628)							
21'-0" (5633)							
21'-6 3/8" (5757)							
21'-11 7/8" (5881)							
22'-0" (5886)							
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22'-11 7/8" (6134)							
23'-0" (6139)							
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24'-0" (6392)							
24'-6 3/8" (6516)							
24'-11 7/8" (6640)							
25'-0" (6645)							
25'-6 3/8" (6769)							
25'-11 7/8" (6893)							
26'-0" (6898)							
26'-6 3/8" (7022)							
26'-11 7/8" (7146)							
27'-0" (7151)							
27'-6 3/8" (7275)							
27'-11 7/8" (7399)							
28'-0" (7404)							
28'-6 3/8" (7528)							
28'-11 7/8" (7652)							
29'-0" (7657)							
29'-6 3/8" (7781)							
29'-11 7/8" (7905)							
30'-0" (7910)							
30'-6 3/8" (8034)							
30'-11 7/8" (8158)							
31'-0" (8163)							
31'-6 3/8" (8287)							
31'-11 7/8" (8411)							
32'-0" (8416)							
32'-6 3/8" (8540)							
32'-11 7/8" (8664)							
33'-0" (8669)							
33'-6 3/8" (8793)							
33'-11 7/8" (8917)							
34'-0" (8922)							
34'-6 3/8" (9046)							
34'-11 7/8" (9170)							
35'-0" (9175)							
35'-6 3/8" (9299)							
35'-11 7/8" (9423)							
36'-0" (9428)							
36'-6 3/8" (9552)							
36'-11 7/8" (9676)							
37'-0" (9681)							
37'-6 3/8" (9805)							
37'-11 7/8" (9929)							
38'-0" (9934)							
38'-6 3/8" (10058)							
38'-11 7/8" (10182)							
39'-0" (10187)							
39'-6 3/8" (10311)							
39'-11 7/8" (10435)							
40'-0" (10440)							
40'-6 3/8" (10564)							
40'-11 7/8" (10688)							
41'-0" (10693)							
41'-6 3/8" (10817)							
41'-11 7/8" (10941)							
42'-0" (10946)							
42'-6 3/8" (11070)							
42'-11 7/8" (11194)							
43'-0" (11199)							
43'-6 3/8" (11323)							
43'-11 7/8" (11447)							
44'-0" (11452)							
44'-6 3/8" (11576)							
44'-11 7/8" (11700)							
45'-0" (11705)							
45'-6 3/8" (11829)							
45'-11 7/8" (11953)							
46'-0" (11958)							
46'-6 3/8" (12082)							
46'-11 7/8" (12206)							
47'-0" (12211)							
47'-6 3/8" (12335)							
47'-11 7/8" (12459)							
48'-0" (12464)							
48'-6 3/8" (12588)							
48'-11 7/8" (12712)							
49'-0" (12717)							
49'-6 3/8" (12841)							
49'-11 7/8" (12965)							
50'-0" (12970)							
50'-6 3/8" (13094)							
50'-11 7/8" (13218)							
51'-0" (13223)							
51'-6 3/8" (13347)							
51'-11 7/8" (13471)							
52'-0" (13476)							
52'-6 3/8" (13600)							
52'-11 7/8" (13724)							
53'-0" (13729)							
53'-6 3/8" (13853)							
53'-11 7/8" (13977)							
54'-0" (13982)							
54'-6 3/8" (14106)							
54'-11 7/8" (14230)							
55'-0" (14235)							
55'-6 3/8" (14359)							
55'-11 7/8" (14483)							
56'-0" (14488)							
56'-6 3/8" (14612)							
56'-11 7/8" (14736)							
57'-0" (14741)							
57'-6 3/8" (14865)							
57'-11 7/8" (14989)							
58'-0" (14994)							
58'-6 3/8" (15118)							
58'-11 7/8" (15242)							
59'-0" (15247)							
59'-6 3/8" (15371)							
59'-11 7/8" (15495)							
60'-0" (15500)							
60'-6 3/8" (15624)							
60'-11 7/8" (15748)							
61'-0" (15753)							
61'-6 3/8" (15877)							
61'-11 7/8" (15999)							
62'-0" (16004)							
62'-6 3/8" (16128)							
62'-11 7/8" (16252)							
63'-0" (16257)							
63'-6 3/8" (16381)							
63'-11 7/8" (16505)							
64'-0" (16510)							
64'-6 3/8" (16634)							
64'-11 7/8" (16758)							
65'-0" (16763)							
65'-6 3/8" (16887)							
65'-11 7/8" (17011)							
66'-0" (17016)							
66'-6 3/8" (17140)							
66'-11 7/8" (17264)							
67'-0" (17269)							
67'-6 3/8" (17393)							
67'-11 7/8" (17517)							
68'-0" (17522)							
68'-6 3/8" (17646)							
68'-11 7/8" (17770)							
69'-0" (17775)							
69'-6 3/8" (17899)							
69'-11 7/8" (18023)							
70'-0" (18028)							
70'-6 3/8" (18152)							
70'-11 7/8" (18276)							
71'-0" (18281)							
71'-6 3/8" (18405)							
71'-11 7/8" (18529)							
72'-0" (18534)							

Casement Window Opening and Area Specifications

Window Number	Clear Opening Area		Clear Opening in Full Open Position			Glass Area Sq. Ft./ (m ²)	Vent Area		Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m ²)
	Hinge for Widest Clear Opening Sq. Ft./ (m ²)	Hinge with Wash Mode Sq. Ft./ (m ²)	Hinge for Widest Clear Opening Inches/ (mm)	Hinge with Wash Mode Inches/ (mm)	Height Inches/ (mm)		Hinge for Widest Clear Opening Sq. Ft./ (m ²)	Hinge with Wash Mode Sq. Ft./ (m ²)		
CR12	—	1.0 (0.09)	—	7 5/16" (186)	19 1/4" (489)	1.7 (0.16)	—	1.5 (0.14)	60 9/16" (1538)	2.8 (0.26)
CR125	—	1.2 (0.11)	—	7 5/16" (186)	23 1/16" (595)	2.0 (0.19)	—	1.8 (0.17)	56 3/8" (1432)	3.3 (0.31)
CR13	—	1.6 (0.15)	—	7 5/16" (186)	31 1/16" (789)	2.7 (0.25)	—	2.4 (0.22)	48 3/4" (1238)	4.2 (0.39)
CR135	—	1.8 (0.17)	—	7 5/16" (186)	35 15/16" (913)	3.1 (0.29)	—	2.7 (0.25)	43 7/8" (1114)	4.8 (0.45)
CR14	—	2.2 (0.20)	—	7 5/16" (186)	43 1/8" (1095)	3.8 (0.35)	—	3.3 (0.31)	36 11/16" (932)	5.7 (0.53)
CR145	—	2.4 (0.22)	—	7 5/16" (186)	47 15/16" (1218)	4.2 (0.39)	—	3.6 (0.33)	31 1/8" (810)	6.2 (0.58)
CR15	—	2.8 (0.26)	—	7 5/16" (186)	55" (1397)	4.8 (0.45)	—	4.2 (0.39)	24 13/16" (630)	7.1 (0.66)
CR155	—	3.1 (0.29)	—	7 5/16" (186)	59 15/16" (1522)	5.2 (0.48)	—	4.5 (0.42)	19 1/8" (505)	7.7 (0.72)
CR16	—	3.4 (0.32)	—	7 5/16" (186)	67" (1702)	5.9 (0.55)	—	5.1 (0.47)	12 12 1/16" (325)	8.5 (0.79)
CR23	—	1.6 (0.15)	—	7 5/16" (186)	31 1/16" (789)	5.4 (0.50)	—	4.7 (0.44)	48 3/4" (1238)	8.4 (0.78)
CR235	—	1.8 (0.17)	—	7 5/16" (186)	35 15/16" (913)	6.3 (0.59)	—	5.4 (0.50)	43 7/8" (1114)	9.6 (0.89)
CR24	—	2.2 (0.20)	—	7 5/16" (186)	43 1/8" (1095)	7.6 (0.71)	—	6.5 (0.60)	36 11/16" (932)	11.3 (1.05)
CR245	—	2.4 (0.22)	—	7 5/16" (186)	47 15/16" (1218)	8.4 (0.78)	—	7.3 (0.68)	31 7/8" (810)	12.4 (1.15)
CR25	—	2.8 (0.26)	—	7 5/16" (186)	55" (1397)	9.6 (0.89)	—	8.3 (0.77)	24 13/16" (630)	14.2 (1.32)
CR255	—	3.1 (0.29)	—	7 5/16" (186)	59 15/16" (1522)	10.5 (0.98)	—	9.1 (0.85)	19 1/8" (505)	15.4 (1.43)
CR26	—	3.4 (0.32)	—	7 5/16" (186)	67" (1702)	11.7 (1.09)	—	10.2 (0.95)	12 13/16" (325)	17.0 (1.58)
CN12	—	1.5 (0.14)	—	10 13/16" (275)	19 1/4" (489)	2.2 (0.20)	—	1.9 (0.18)	60 9/16" (1538)	3.4 (0.32)
CN125	—	1.8 (0.17)	—	10 13/16" (275)	23 1/16" (595)	2.6 (0.24)	—	2.3 (0.21)	56 3/8" (1432)	4.0 (0.37)
CN13	—	2.3 (0.21)	—	10 13/16" (275)	31 1/16" (789)	3.5 (0.33)	—	3.1 (0.29)	48 3/4" (1238)	5.1 (0.47)
CN135	—	2.7 (0.25)	—	10 13/16" (275)	35 15/16" (913)	4.0 (0.37)	—	3.6 (0.33)	43 7/8" (1114)	5.8 (0.54)
CN14	—	3.2 (0.30)	—	10 13/16" (275)	43 1/8" (1095)	4.8 (0.45)	—	4.3 (0.40)	36 11/16" (932)	6.8 (0.63)
CN145	—	3.6 (0.33)	—	10 13/16" (275)	47 15/16" (1218)	5.4 (0.50)	—	4.8 (0.45)	31 1/8" (810)	7.5 (0.70)
CN15	—	4.1 (0.38)	—	10 13/16" (275)	55" (1397)	6.2 (0.58)	—	5.5 (0.51)	24 13/16" (630)	8.5 (0.79)
CN155	—	4.5 (0.42)	—	10 13/16" (275)	59 15/16" (1522)	6.7 (0.62)	—	6.0 (0.56)	19 1/8" (505)	9.2 (0.86)
CN16	—	5.0 (0.47)	—	10 13/16" (275)	67" (1702)	7.5 (0.70)	—	6.7 (0.62)	12 13/16" (325)	10.2 (0.95)
CN22	—	1.5 (0.14)	—	10 13/16" (275)	19 1/4" (489)	4.4 (0.41)	—	3.8 (0.35)	60 9/16" (1538)	6.8 (0.63)
CN225	—	1.8 (0.17)	—	10 13/16" (275)	23 1/16" (595)	5.2 (0.48)	—	4.6 (0.43)	56 3/16" (1432)	8.0 (0.74)
CN23	—	2.3 (0.21)	—	10 13/16" (275)	31 1/16" (789)	7.0 (0.65)	—	6.2 (0.58)	48 3/4" (1238)	10.2 (0.95)
CN235	—	2.7 (0.25)	—	10 13/16" (275)	35 15/16" (913)	8.0 (0.74)	—	7.2 (0.67)	43 7/8" (1114)	11.5 (1.07)
CN24	—	3.2 (0.30)	—	10 13/16" (275)	43 1/8" (1095)	9.7 (0.90)	—	8.6 (0.80)	36 11/16" (932)	13.6 (1.26)
CN245	—	3.6 (0.33)	—	10 13/16" (275)	47 15/16" (1218)	10.7 (0.99)	—	9.6 (0.89)	31 1/8" (810)	15.0 (1.39)
CN25	—	4.1 (0.38)	—	10 13/16" (275)	55" (1397)	12.3 (1.14)	—	11.0 (1.02)	24 13/16" (630)	16.9 (1.57)
CN255	—	4.5 (0.42)	—	10 13/16" (275)	59 15/16" (1522)	13.4 (1.25)	—	12.0 (1.12)	19 1/8" (505)	18.4 (1.71)
CN26	—	5.0 (0.47)	—	10 13/16" (275)	67" (1702)	15.0 (1.39)	—	13.4 (1.25)	12 13/16" (325)	20.3 (1.89)
CN32	—	1.5 (0.14)	—	10 13/16" (275)	19 1/4" (489)	6.6 (0.61)	—	3.8 (0.35)	60 9/16" (1538)	10.2 (0.95)
CN325	—	1.8 (0.17)	—	10 13/16" (275)	23 1/16" (595)	7.8 (0.73)	—	4.6 (0.43)	56 3/8" (1432)	12.0 (1.12)
CN33	—	2.3 (0.21)	—	10 13/16" (275)	31 1/16" (789)	10.5 (0.98)	—	6.2 (0.58)	48 3/4" (1238)	15.3 (1.42)
CN335	—	2.7 (0.25)	—	10 13/16" (275)	35 15/16" (913)	12.0 (1.12)	—	7.2 (0.67)	43 7/8" (1114)	17.4 (1.62)
CN34	—	3.2 (0.30)	—	10 13/16" (275)	43 1/8" (1095)	14.4 (1.34)	—	8.6 (0.80)	36 11/16" (932)	20.4 (1.90)
CN345	—	3.6 (0.33)	—	10 13/16" (275)	47 15/16" (1218)	16.2 (1.51)	—	9.6 (0.89)	31 1/8" (810)	22.5 (2.09)
CN35	—	4.1 (0.38)	—	10 13/16" (275)	55" (1397)	18.6 (1.73)	—	11.0 (1.02)	24 13/16" (630)	25.5 (2.37)
CN355	—	4.5 (0.42)	—	10 13/16" (275)	59 15/16" (1522)	20.1 (1.87)	—	12.0 (1.11)	19 1/8" (505)	27.6 (2.57)
CN36	—	5.0 (0.47)	—	10 13/16" (275)	67" (1702)	22.5 (2.09)	—	13.4 (1.24)	12 13/16" (325)	30.6 (2.84)
C12	2.5 (0.23)	1.9 (0.18)	18 5/16" (465)	14 7/16" (367)	19 1/4" (489)	2.6 (0.24)	2.5 (0.23)	2.4 (0.22)	60 9/16" (1538)	4.0 (0.37)
C125	3.0 (0.28)	2.4 (0.22)	18 5/16" (465)	14 7/16" (367)	23 1/16" (595)	3.2 (0.30)	3.0 (0.28)	2.9 (0.27)	56 3/8" (1432)	4.7 (0.44)
C13	4.0 (0.37)	3.1 (0.29)	18 5/16" (465)	14 7/16" (367)	31 1/16" (789)	4.3 (0.40)	4.0 (0.37)	3.9 (0.36)	48 3/4" (1238)	6.0 (0.56)
C135	4.6 (0.43)	3.6 (0.33)	18 5/16" (465)	14 7/16" (367)	35 15/16" (913)	4.9 (0.46)	4.6 (0.43)	4.5 (0.42)	43 7/8" (1114)	6.8 (0.63)
C14	5.5 (0.51)	4.3 (0.40)	18 5/16" (465)	14 7/16" (367)	43 1/8" (1095)	5.9 (0.55)	5.5 (0.51)	5.4 (0.50)	36 11/16" (932)	8.0 (0.74)
C145	6.1 (0.57)	4.8 (0.45)	18 5/16" (465)	14 7/16" (367)	47 15/16" (1218)	6.6 (0.61)	6.1 (0.57)	6.0 (0.56)	31 1/8" (810)	8.8 (0.82)
C15	7.0 (0.65)	5.5 (0.51)	18 5/16" (465)	14 7/16" (367)	55" (1397)	7.5 (0.70)	7.0 (0.65)	6.9 (0.64)	24 13/16" (630)	10.0 (0.93)
C155	7.6 (0.71)	6.0 (0.56)	18 5/16" (465)	14 7/16" (367)	59 15/16" (1522)	8.2 (0.76)	7.6 (0.71)	7.5 (0.70)	19 1/8" (505)	10.9 (1.01)
C16	8.5 (0.79)	6.7 (0.62)	18 5/16" (465)	14 7/16" (367)	67" (1702)	9.2 (0.86)	8.5 (0.79)	8.4 (0.78)	12 13/16" (325)	12.0 (1.12)
C22	2.5 (0.23)	1.9 (0.18)	18 5/16" (465)	14 7/16" (367)	19 1/4" (489)	5.2 (0.48)	5.0 (0.46)	4.8 (0.45)	60 9/16" (1538)	8.0 (0.74)
C225	3.0 (0.28)	2.4 (0.22)	18 5/16" (465)	14 7/16" (367)	23 1/16" (595)	6.4 (0.59)	6.0 (0.56)	5.8 (0.54)	56 3/8" (1432)	9.4 (0.87)
C23	4.0 (0.37)	3.1 (0.29)	18 5/16" (465)	14 7/16" (367)	31 1/16" (789)	8.5 (0.79)	7.9 (0.73)	7.8 (0.73)	48 3/4" (1238)	12.0 (1.12)
C235	4.6 (0.43)	3.6 (0.33)	18 5/16" (465)	14 7/16" (367)	35 15/16" (913)	9.9 (0.92)	9.2 (0.86)	9.0 (0.84)	43 7/8" (1114)	13.6 (1.26)
C24	5.5 (0.51)	4.3 (0.40)	18 5/16" (465)	14 7/16" (367)	43 1/8" (1095)	11.8 (1.10)	11.0 (1.02)	10.8 (1.00)	36 11/16" (932)	16.0 (1.49)
C245	6.1 (0.57)	4.8 (0.45)	18 5/16" (465)	14 7/16" (367)	47 15/16" (1218)	13.1 (1.22)	12.2 (1.13)	12.0 (1.12)	31 1/8" (810)	17.6 (1.64)
C25	7.0 (0.65)	5.5 (0.51)	18 5/16" (465)	14 7/16" (367)	55" (1397)	15.1 (1.40)	14.0 (1.30)	13.8 (1.28)	24 13/16" (630)	20.0 (1.86)

* "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
 • Dimensions in parentheses are in millimeters or square meters.

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CASEMENT & AWNING WINDOWS

Casement Window Opening and Area Specifications (continued)

Window Number	Clear Opening Area		Clear Opening in Full Open Position				Glass Area Sq. Ft./ (m ²)	Vent Area		Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m ²)
	Hinge for Widest Clear Opening Sq. Ft./ (m ²)	Hinge with Wash Mode Sq. Ft./ (m ²)	Hinge for Widest Clear Opening Inches/(mm)	Hinge with Wash Mode Inches/(mm)	Height Inches/(mm)	Hinge for Widest Clear Opening Sq. Ft./ (m ²)		Hinge with Wash Mode Sq. Ft./ (m ²)			
C255	7.6 (0.71)	6.0 (0.56)	18 5/16" (465)	14 7/16" (367)	59 15/16" (1522)	16.4 (1.52)	15.3 (1.42)	15.0 (1.39)	19 7/8" (505)	21.6 (2.01)	
C26	8.5 (0.79)	6.7 (0.62)	18 5/16" (465)	14 7/16" (367)	67" (1702)	18.4 (1.71)	17.1 (1.59)	16.8 (1.56)	12 13/16" (325)	24.0 (2.23)	
C32	2.5 (0.23)	1.9 (0.18)	18 5/16" (465)	14 7/16" (367)	19 1/4" (489)	7.8 (0.73)	5.0 (0.46)	4.8 (0.45)	60 9/16" (1538)	12.0 (1.12)	
C325	3.0 (0.28)	2.4 (0.22)	18 5/16" (465)	14 7/16" (367)	23 7/16" (595)	9.6 (0.89)	6.0 (0.56)	5.8 (0.54)	56 3/8" (1432)	14.1 (1.31)	
C33	4.0 (0.37)	3.1 (0.29)	18 5/16" (465)	14 7/16" (367)	31 1/16" (789)	12.8 (1.19)	7.9 (0.73)	7.8 (0.73)	48 3/4" (1238)	17.9 (1.66)	
C335	4.6 (0.43)	3.6 (0.33)	18 5/16" (465)	14 7/16" (367)	35 15/16" (913)	14.8 (1.38)	9.2 (0.86)	9.0 (0.84)	43 7/8" (1114)	20.4 (1.90)	
C34	5.5 (0.51)	4.3 (0.40)	18 5/16" (465)	14 7/16" (367)	43 1/8" (1095)	17.7 (1.64)	11.0 (1.02)	10.8 (1.00)	36 11/16" (932)	24.0 (2.23)	
C345	6.1 (0.57)	4.8 (0.45)	18 5/16" (465)	14 7/16" (367)	47 15/16" (1218)	19.7 (1.83)	12.2 (1.13)	12.0 (1.12)	31 7/8" (810)	26.4 (2.45)	
C35	7.0 (0.65)	5.5 (0.51)	18 5/16" (465)	14 7/16" (367)	55" (1397)	22.6 (2.10)	14.0 (1.30)	13.8 (1.28)	24 13/16" (630)	29.9 (2.78)	
CW12*	3.0 (0.28)	2.5 (0.23)	22 9/16" (573)	18 11/16" (475)	19 1/4" (489)	3.2 (0.30)	3.0 (0.28)	3.0 (0.28)	60 9/16" (1538)	4.8 (0.45)	
CW125*	3.7 (0.34)	3.0 (0.28)	22 9/16" (573)	18 11/16" (475)	23 7/16" (595)	3.9 (0.36)	3.7 (0.34)	3.6 (0.33)	56 3/8" (1432)	5.6 (0.52)	
CW13*	4.9 (0.46)	4.0 (0.37)	22 9/16" (573)	18 11/16" (475)	31 1/16" (789)	5.2 (0.48)	4.9 (0.46)	4.8 (0.45)	48 3/4" (1238)	7.1 (0.66)	
CW135 0*	5.7 (0.53)	5.1 (0.47)	22 9/16" (573)	20" (508)	36 3/8" (924)	6.0 (0.56)	5.7 (0.53)	5.5 (0.51)	43 7/8" (1114)	8.0 (0.74)	
CW14 0*	6.8 (0.63)	6.0 (0.56)	22 9/16" (573)	20" (508)	43 1/8" (1095)	7.2 (0.67)	6.8 (0.63)	6.6 (0.61)	36 11/16" (932)	9.5 (0.88)	
CW145 0*	7.5 (0.70)	6.7 (0.62)	22 9/16" (573)	20" (508)	47 15/16" (1218)	8.0 (0.74)	7.5 (0.70)	7.3 (0.68)	31 7/8" (810)	10.4 (0.97)	
CW15 0*	8.6 (0.80)	7.6 (0.71)	22 9/16" (573)	20" (508)	55" (1397)	9.2 (0.86)	8.6 (0.80)	8.4 (0.78)	24 13/16" (630)	11.8 (1.10)	
CW155 0*	9.4 (0.87)	8.3 (0.77)	22 9/16" (573)	20" (508)	59 15/16" (1522)	10.0 (0.93)	9.4 (0.87)	9.1 (0.85)	19 7/8" (505)	12.8 (1.19)	
CW16 0*	10.5 (0.98)	9.3 (0.86)	22 9/16" (573)	20" (508)	67" (1702)	11.2 (1.04)	10.5 (0.98)	10.2 (0.95)	12 13/16" (325)	14.2 (1.32)	
CW22*	3.0 (0.28)	2.5 (0.23)	22 9/16" (573)	18 11/16" (475)	19 1/4" (489)	6.4 (0.59)	6.0 (0.56)	6.0 (0.56)	60 9/16" (1538)	9.6 (0.89)	
CW225*	3.7 (0.34)	3.0 (0.28)	22 9/16" (573)	18 11/16" (475)	23 7/16" (595)	7.8 (0.72)	7.4 (0.69)	7.2 (0.67)	56 3/8" (1432)	11.2 (1.04)	
CW23*	4.9 (0.46)	4.0 (0.37)	22 9/16" (573)	18 11/16" (475)	31 1/16" (789)	10.4 (0.97)	9.8 (0.91)	9.6 (0.89)	48 3/4" (1238)	14.1 (1.31)	
CW235 0*	5.7 (0.53)	5.1 (0.47)	22 9/16" (573)	20" (508)	36 3/8" (924)	12.0 (1.12)	11.4 (1.06)	11.1 (1.03)	43 7/8" (1114)	16.0 (1.49)	
CW24 0*	6.8 (0.63)	6.0 (0.56)	22 9/16" (573)	20" (508)	43 1/8" (1095)	14.4 (1.34)	13.5 (1.25)	13.1 (1.22)	36 11/16" (932)	18.8 (1.75)	
CW245 0*	7.5 (0.70)	6.7 (0.62)	22 9/16" (573)	20" (508)	47 15/16" (1218)	16.0 (1.49)	15.0 (1.39)	14.6 (1.36)	31 7/8" (810)	20.8 (1.93)	
CW25 0*	8.6 (0.80)	7.6 (0.71)	22 9/16" (573)	20" (508)	55" (1397)	18.3 (1.70)	17.3 (1.61)	16.7 (1.55)	24 13/16" (630)	23.5 (2.18)	
CW255 0*	9.4 (0.87)	8.3 (0.77)	22 9/16" (573)	20" (508)	59 15/16" (1522)	20.0 (1.86)	18.8 (1.75)	18.2 (1.69)	19 7/8" (505)	25.6 (2.38)	
CW26 0*	10.5 (0.98)	9.3 (0.86)	22 9/16" (573)	20" (508)	67" (1702)	22.3 (2.07)	21.0 (1.95)	20.4 (1.90)	12 13/16" (325)	28.2 (2.62)	
CW32*	3.0 (0.28)	2.5 (0.23)	22 9/16" (573)	18 11/16" (475)	19 1/4" (489)	9.6 (0.89)	6.0 (0.56)	6.0 (0.56)	60 9/16" (1538)	14.4 (1.34)	
CW325*	3.7 (0.34)	3.0 (0.28)	22 9/16" (573)	18 11/16" (475)	23 7/16" (595)	11.7 (1.09)	7.4 (0.69)	7.2 (0.67)	56 3/8" (1432)	16.8 (1.56)	
CW33*	4.9 (0.46)	4.0 (0.37)	22 9/16" (567)	18 11/16" (475)	31 1/16" (789)	15.6 (1.45)	9.8 (0.91)	9.6 (0.89)	48 3/4" (1238)	21.1 (1.96)	
CW335 0*	5.7 (0.53)	5.1 (0.47)	22 9/16" (567)	20" (508)	36 3/8" (924)	18.0 (1.67)	11.4 (1.06)	11.1 (1.03)	43 7/8" (1114)	24.0 (2.23)	
CW34 0*	6.8 (0.63)	6.0 (0.56)	22 9/16" (567)	20" (508)	43 1/8" (1095)	21.6 (2.01)	13.6 (1.26)	13.1 (1.22)	36 11/16" (932)	28.2 (2.62)	
CW345 0*	7.5 (0.70)	6.7 (0.62)	22 9/16" (567)	20" (508)	47 15/16" (1218)	24.0 (2.23)	15.0 (1.39)	14.6 (1.36)	31 7/8" (810)	31.0 (2.88)	
CW35 0*	8.6 (0.80)	7.6 (0.71)	22 9/16" (567)	20" (508)	55" (1397)	27.6 (2.56)	17.2 (1.60)	16.7 (1.55)	24 13/16" (630)	35.2 (3.27)	
CX125	4.2 (0.39)	3.5 (0.33)	25 11/16" (653)	21 13/16" (554)	23 7/16" (595)	4.4 (0.41)	4.2 (0.39)	4.1 (0.38)	56 3/8" (1432)	6.2 (0.58)	
CX13	5.5 (0.52)	4.7 (0.44)	25 11/16" (653)	21 13/16" (554)	31 1/16" (789)	5.9 (0.54)	5.5 (0.52)	5.4 (0.51)	48 3/4" (1238)	7.9 (0.73)	
CX135 0	6.4 (0.60)	5.4 (0.51)	25 11/16" (653)	21 13/16" (554)	35 15/16" (913)	6.8 (0.63)	6.4 (0.60)	6.3 (0.59)	43 7/8" (1114)	8.9 (0.83)	
CX14 0	7.7 (0.72)	6.5 (0.61)	25 11/16" (653)	21 13/16" (554)	43 1/8" (1095)	8.1 (0.76)	7.7 (0.72)	7.6 (0.70)	36 11/16" (932)	10.5 (0.98)	
CX145 0	8.6 (0.80)	7.3 (0.67)	25 11/16" (653)	21 13/16" (554)	47 15/16" (1218)	9.0 (0.84)	8.6 (0.80)	8.4 (0.78)	31 7/8" (810)	11.6 (1.07)	
CX15 0	9.8 (0.91)	8.3 (0.77)	25 11/16" (653)	21 13/16" (554)	55" (1397)	10.4 (0.96)	9.8 (0.91)	9.7 (0.90)	24 13/16" (630)	13.1 (1.22)	
CX155 0	10.7 (0.99)	9.1 (0.84)	25 11/16" (653)	21 13/16" (554)	59 15/16" (1522)	11.3 (1.05)	10.7 (0.99)	10.5 (0.98)	19 7/8" (505)	14.2 (1.32)	
CX16 0	12.0 (1.11)	10.1 (0.94)	25 11/16" (653)	21 13/16" (554)	67" (1702)	12.6 (1.17)	12.0 (1.11)	11.8 (1.09)	12 13/16" (325)	15.7 (1.46)	
CX23	5.5 (0.52)	4.7 (0.44)	25 11/16" (653)	21 13/16" (554)	31 1/16" (789)	11.7 (1.09)	11.1 (1.03)	10.9 (1.01)	48 3/4" (1238)	15.7 (1.46)	
CX235 0	6.4 (0.60)	5.4 (0.51)	25 11/16" (653)	21 13/16" (554)	35 15/16" (913)	13.6 (1.26)	12.8 (1.19)	12.6 (1.17)	43 7/8" (1114)	17.8 (1.65)	
CX24 0	7.7 (0.72)	6.5 (0.61)	25 11/16" (653)	21 13/16" (554)	43 1/8" (1095)	16.3 (1.51)	15.4 (1.43)	15.1 (1.41)	36 11/16" (932)	20.9 (1.94)	
CX245 0	8.6 (0.80)	7.3 (0.67)	25 11/16" (653)	21 13/16" (554)	47 15/16" (1218)	18.1 (1.68)	17.1 (1.59)	16.8 (1.56)	31 7/8" (810)	23.0 (2.14)	
CX25 0	9.8 (0.91)	8.3 (0.77)	25 11/16" (653)	21 13/16" (554)	55" (1397)	20.7 (1.93)	19.6 (1.82)	19.3 (1.79)	24 13/16" (630)	26.1 (2.42)	
CXW13 0	6.5 (0.60)	5.6 (0.53)	30 1/8" (765)	26 1/4" (667)	31 1/16" (789)	6.8 (0.63)	6.5 (0.60)	6.1 (0.57)	48 3/4" (1238)	9.0 (0.84)	
CXW135 0	7.5 (0.70)	6.6 (0.61)	30 1/8" (765)	26 1/4" (667)	35 15/16" (913)	7.9 (0.73)	7.5 (0.70)	7.0 (0.65)	43 7/8" (1114)	10.2 (0.95)	
CXW14 0	9.0 (0.84)	7.9 (0.73)	30 1/8" (765)	26 1/4" (667)	43 1/8" (1095)	9.5 (0.88)	9.0 (0.84)	8.4 (0.78)	36 11/16" (932)	12.0 (1.12)	
CXW145 0	10.0 (0.93)	8.8 (0.82)	30 1/8" (765)	26 1/4" (667)	47 15/16" (1218)	10.5 (0.98)	10.0 (0.93)	9.4 (0.87)	31 7/8" (810)	13.2 (1.23)	
CXW15 0**	11.5 (1.07)	—	30 1/8" (765)	—	55" (1397)	12.1 (1.12)	11.5 (1.07)	—	24 13/16" (630)	14.9 (1.38)	
CXW155 0**	12.6 (1.17)	—	30 1/8" (765)	—	59 15/16" (1522)	13.1 (1.22)	12.6 (1.17)	—	19 7/8" (505)	16.2 (1.51)	
CXW16 0**	14.0 (1.30)	—	30 1/8" (765)	—	67" (1702)	14.7 (1.37)	14.0 (1.30)	—	12 13/16" (325)	17.9 (1.66)	
CXW23	6.5 (0.60)	5.6 (0.53)	30 1/8" (765)	26 1/4" (667)	31 1/16" (789)	13.6 (1.26)	13.0 (1.21)	12.2 (0.57)	48 3/4" (1238)	17.9 (1.66)	
CXW235 0	7.5 (0.70)	6.5 (0.61)	30 1/8" (765)	26 1/4" (667)	35 15/16" (913)	15.8 (1.47)	15.0 (1.39)	14.0 (0.57)	43 7/8" (1114)	20.3 (1.89)	
CXW24 0	9.0 (0.84)	7.9 (0.73)	30 1/8" (765)	26 1/4" (667)	43 1/8" (1059)	19.0 (1.77)	18.0 (1.67)	16.8 (0.57)	36 11/16" (932)	23.9 (2.22)	
CXW245 0	10.0 (0.93)	8.7 (0.81)	30 1/8" (765)	26 1/4" (667)	47 15/16" (1218)	21.0 (1.95)	20.0 (1.86)	18.8 (0.57)	31 7/8" (810)	26.3 (2.44)	
CXW25 0**	11.5 (1.07)	—	30 1/8" (765)	—	55" (1397)	24.2 (2.25)	23.0 (2.14)	—	24 13/16" (630)	29.8 (2.77)	

*Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
*Dimensions in parentheses are in millimeters or square meters.
0Meet or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610) with appropriate hinge specified.
*Meet clear opening width of 20" (508) using hinge with wash mode and control bracket (bracket can be pivoted for cleaning position) and meet clear opening width of 22" (559) using hinge for widest clear opening.
**Available with straight-arm operators (hinged for widest clear opening) only.

Awning Window Opening and Area Specifications

Window Number	Clear Opening Area Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Area Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m ²)
		Width Inches/(mm)	Depth Inches/(mm)				
AR21	0.9 (0.08)	19 1/2" (495)	6 3/8" (162)	1.7 (0.16)	0.9 (0.08)	67 7/16" (1713)	2.8 (0.26)
AR251	1.1 (0.10)	23 3/4" (603)	6 3/8" (162)	2.0 (0.19)	1.1 (0.10)	67 7/16" (1713)	3.3 (0.31)
AR281	1.2 (0.11)	26 7/8" (683)	6 3/8" (162)	2.3 (0.21)	1.2 (0.11)	67 7/16" (1713)	3.7 (0.34)
AR31	1.4 (0.13)	31 5/16" (795)	6 3/8" (162)	2.7 (0.25)	1.4 (0.13)	67 7/16" (1713)	4.2 (0.39)
AR351	1.6 (0.15)	36 3/16" (919)	6 3/8" (162)	3.1 (0.29)	1.6 (0.15)	67 7/16" (1713)	4.8 (0.45)
AR41	1.9 (0.18)	43 3/8" (1102)	6 3/8" (162)	3.8 (0.35)	1.9 (0.18)	67 7/16" (1713)	5.7 (0.53)
AR451	2.1 (0.20)	48 3/16" (1224)	6 3/8" (162)	4.2 (0.39)	2.1 (0.20)	67 7/16" (1713)	6.2 (0.58)
AR51	2.5 (0.23)	55 1/2" (1410)	6 3/8" (162)	4.8 (0.45)	2.5 (0.23)	67 7/16" (1713)	7.1 (0.66)
AR551	2.7 (0.25)	60 3/16" (1529)	6 3/8" (162)	5.2 (0.48)	2.7 (0.25)	67 7/16" (1713)	7.7 (0.72)
AR61	3.0 (0.28)	67 1/2" (1715)	6 3/8" (162)	5.9 (0.55)	3.0 (0.28)	67 7/16" (1713)	8.5 (0.79)
AR221	0.9 (0.08)	19 1/2" (495)	6 3/8" (162)	3.4 (0.32)	1.7 (0.16)	67 7/16" (1713)	5.6 (0.52)
AR2251	1.1 (0.10)	23 3/4" (603)	6 3/8" (162)	4.0 (0.37)	2.1 (0.20)	67 7/16" (1713)	6.6 (0.61)
AR2281	1.2 (0.11)	26 7/8" (683)	6 3/8" (162)	4.6 (0.43)	2.4 (0.22)	67 7/16" (1713)	7.4 (0.69)
AR231	1.4 (0.13)	31 5/16" (795)	6 3/8" (162)	5.4 (0.50)	2.8 (0.26)	67 7/16" (1713)	8.4 (0.78)
AR321	0.9 (0.08)	19 1/2" (495)	6 3/8" (162)	5.1 (0.47)	2.6 (0.24)	67 7/16" (1713)	8.4 (0.78)
AR3251	1.1 (0.10)	23 3/4" (603)	6 3/8" (162)	6.0 (0.56)	3.2 (0.29)	67 7/16" (1713)	9.9 (0.92)
AN21	0.9 (0.08)	19 1/2" (495)	6 7/16" (164)	2.2 (0.20)	0.9 (0.08)	63 15/16" (1624)	3.4 (0.32)
AN251	1.1 (0.10)	23 3/4" (603)	6 7/16" (164)	2.6 (0.24)	1.1 (0.10)	63 15/16" (1624)	4.0 (0.37)
AN281	1.2 (0.11)	26 7/8" (683)	6 7/16" (164)	3.0 (0.28)	1.2 (0.11)	63 15/16" (1624)	4.5 (0.42)
AN31	1.4 (0.13)	31 5/16" (795)	6 7/16" (164)	3.5 (0.33)	1.4 (0.13)	63 15/16" (1624)	5.1 (0.47)
AN351	1.6 (0.15)	36 3/16" (919)	6 7/16" (164)	4.0 (0.37)	1.6 (0.15)	63 15/16" (1624)	5.8 (0.54)
AN41	1.9 (0.18)	43 3/8" (1102)	6 7/16" (164)	4.8 (0.45)	1.9 (0.18)	63 15/16" (1624)	6.8 (0.63)
AN451	2.2 (0.20)	48 3/16" (1224)	6 7/16" (164)	5.4 (0.50)	2.2 (0.20)	63 15/16" (1624)	7.5 (0.70)
AN51	2.5 (0.23)	55 1/2" (1410)	6 7/16" (164)	6.2 (0.58)	2.5 (0.23)	63 15/16" (1624)	8.5 (0.79)
AN551	2.7 (0.25)	60 3/16" (1529)	6 7/16" (164)	6.7 (0.62)	2.7 (0.25)	63 15/16" (1624)	9.2 (0.86)
AN61	3.0 (0.28)	67 1/2" (1715)	6 7/16" (164)	7.5 (0.70)	3.0 (0.28)	63 15/16" (1624)	10.2 (0.95)
AN221	0.9 (0.08)	19 1/2" (495)	6 7/16" (164)	4.4 (0.41)	1.7 (0.16)	63 15/16" (1624)	6.8 (0.63)
AN2251	1.1 (0.10)	23 3/4" (603)	6 7/16" (164)	5.2 (0.48)	2.1 (0.20)	63 15/16" (1624)	8.0 (0.74)
AN2281	1.2 (0.11)	26 7/8" (683)	6 7/16" (164)	6.0 (0.56)	2.4 (0.22)	63 15/16" (1624)	9.0 (0.84)
AN231	1.4 (0.13)	31 5/16" (795)	6 7/16" (164)	7.0 (0.65)	2.8 (0.26)	63 15/16" (1624)	10.2 (0.95)
AN321	0.9 (0.08)	19 1/2" (495)	6 7/16" (164)	6.6 (0.61)	2.6 (0.24)	63 15/16" (1624)	10.2 (0.95)
AN3251	1.1 (0.10)	23 3/4" (603)	6 7/16" (164)	7.8 (0.73)	3.2 (0.30)	63 15/16" (1624)	12.0 (1.12)
A21	0.9 (0.08)	19 1/2" (495)	6 1/2" (165)	2.6 (0.24)	0.9 (0.08)	60 5/16" (1532)	4.0 (0.37)
A251	1.1 (0.10)	23 3/4" (603)	6 1/2" (165)	3.2 (0.30)	1.1 (0.10)	60 5/16" (1532)	4.8 (0.45)
A281	1.2 (0.11)	26 7/8" (683)	6 1/2" (165)	3.7 (0.34)	1.2 (0.11)	60 5/16" (1532)	5.3 (0.49)
A31	1.4 (0.13)	31 5/16" (795)	6 1/2" (165)	4.3 (0.40)	1.4 (0.13)	60 5/16" (1532)	6.0 (0.56)
A351	1.6 (0.15)	36 3/16" (919)	6 1/2" (165)	4.9 (0.46)	1.6 (0.15)	60 5/16" (1532)	6.8 (0.63)
A41	2.0 (0.18)	43 3/8" (1102)	6 1/2" (165)	5.9 (0.55)	2.0 (0.18)	60 5/16" (1532)	8.0 (0.74)
A451	2.2 (0.20)	48 3/16" (1224)	6 1/2" (165)	6.6 (0.61)	2.2 (0.20)	60 5/16" (1532)	8.8 (0.82)
A51	2.5 (0.23)	55 1/2" (1410)	6 1/2" (165)	7.5 (0.70)	2.5 (0.23)	60 5/16" (1532)	10.0 (0.93)
A551	2.7 (0.25)	60 3/16" (1529)	6 1/2" (165)	8.2 (0.76)	2.7 (0.25)	60 5/16" (1532)	10.9 (1.01)
A61	3.0 (0.28)	67 1/2" (1715)	6 1/2" (165)	9.2 (0.86)	3.0 (0.28)	60 5/16" (1532)	12.0 (1.12)
A221	0.9 (0.08)	19 1/2" (495)	6 1/2" (165)	5.2 (0.48)	1.8 (0.16)	60 5/16" (1532)	8.0 (0.74)
A2251	1.1 (0.10)	23 3/4" (603)	6 1/2" (165)	6.4 (0.60)	2.1 (0.20)	60 5/16" (1532)	9.6 (0.89)
A2281	1.2 (0.11)	26 7/8" (683)	6 1/2" (165)	7.4 (0.69)	2.4 (0.23)	60 5/16" (1532)	10.6 (0.99)
A231	1.4 (0.13)	31 5/16" (795)	6 1/2" (165)	8.6 (0.80)	2.8 (0.26)	60 5/16" (1532)	12.0 (1.12)
A321	0.9 (0.08)	19 1/2" (495)	6 1/2" (165)	7.8 (0.73)	2.6 (0.25)	60 5/16" (1532)	12.0 (1.12)
A3251	1.1 (0.10)	23 3/4" (603)	6 1/2" (165)	9.6 (0.89)	3.2 (0.30)	60 5/16" (1532)	14.4 (1.34)
AW21	0.9 (0.08)	19 1/2" (495)	6 1/2" (165)	3.2 (0.30)	0.9 (0.08)	56 1/16" (1424)	4.8 (0.45)
AW251	1.1 (0.10)	23 3/4" (603)	6 1/2" (165)	3.9 (0.36)	1.1 (0.10)	56 1/16" (1424)	5.6 (0.52)
AW281	1.2 (0.11)	26 7/8" (683)	6 1/2" (165)	4.4 (0.41)	1.2 (0.11)	56 1/16" (1424)	6.2 (0.58)
AW31	1.4 (0.13)	31 5/16" (795)	6 1/2" (165)	5.2 (0.48)	1.4 (0.13)	56 1/16" (1424)	7.1 (0.66)
AW351	1.6 (0.15)	36 3/16" (919)	6 1/2" (165)	6.0 (0.56)	1.6 (0.15)	56 1/16" (1424)	8.0 (0.74)
AW41	2.0 (0.18)	43 3/8" (1102)	6 1/2" (165)	7.2 (0.67)	2.0 (0.18)	56 1/16" (1424)	9.5 (0.88)
AW451	2.2 (0.20)	48 3/16" (1224)	6 1/2" (165)	8.0 (0.74)	2.2 (0.20)	56 1/16" (1424)	10.4 (0.97)
AW51	2.5 (0.23)	55 1/2" (1410)	6 1/2" (165)	9.2 (0.86)	2.5 (0.23)	56 1/16" (1424)	11.8 (1.10)
AW551	2.7 (0.25)	60 3/16" (1529)	6 1/2" (165)	10.0 (0.93)	2.7 (0.25)	56 1/16" (1424)	12.8 (1.19)
AW61	3.0 (0.28)	67 1/2" (1715)	6 1/2" (165)	11.2 (1.04)	3.0 (0.28)	56 1/16" (1424)	14.2 (1.32)
AW221	0.9 (0.08)	19 1/2" (495)	6 1/2" (165)	6.4 (0.60)	1.8 (0.16)	56 1/16" (1424)	9.6 (0.89)
AW2251	1.1 (0.10)	23 3/4" (603)	6 1/2" (165)	7.8 (0.73)	2.1 (0.20)	56 1/16" (1424)	11.2 (1.04)

* "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
 * Dimensions in parentheses are in millimeters or square meters.

continued on next page

Picture Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
P3030	6.8 (0.63)	9.0 (0.84)
P3035	7.8 (0.73)	10.2 (0.95)
P3040	9.4 (0.87)	12.0 (1.12)
P3045	10.4 (0.97)	13.2 (1.23)
P3050	12.0 (1.12)	14.9 (1.38)
P3055	13.0 (1.21)	16.2 (1.51)
P3060	14.6 (1.36)	17.9 (1.66)
P3530	7.8 (0.73)	10.2 (0.95)
P3535	9.0 (0.84)	11.6 (1.08)
P3540	10.8 (1.00)	13.6 (1.26)
P3545	12.1 (1.12)	15.0 (1.39)
P3550	13.8 (1.28)	17.0 (1.58)
P3555	15.1 (1.40)	18.4 (1.71)
P3560	16.8 (1.56)	20.4 (1.90)
P4030	9.4 (0.87)	12.0 (1.12)
P4035	10.8 (1.00)	13.6 (1.26)
P4040	13.0 (1.21)	16.0 (1.49)
P4045	14.5 (1.35)	17.6 (1.64)
P4050	16.6 (1.54)	20.0 (1.86)
P4055	18.1 (1.68)	21.6 (2.01)
P4060	20.2 (1.88)	24.0 (2.23)
P4530	10.4 (0.97)	13.2 (1.23)
P4535	12.1 (1.12)	15.0 (1.39)
P4540	14.5 (1.35)	17.6 (1.64)
P4545	16.1 (1.50)	19.4 (1.80)
P4550	18.4 (1.71)	22.0 (2.04)
P4555	20.1 (1.87)	23.8 (2.21)
P4560	22.4 (2.08)	26.4 (2.45)
P5030	12.0 (1.12)	14.9 (1.38)
P5035	13.8 (1.28)	17.0 (1.58)
P5040	16.6 (1.54)	20.0 (1.86)
P5045	18.4 (1.71)	22.0 (2.04)
P5050	21.1 (1.96)	24.9 (2.31)
P5055	23.0 (2.14)	26.9 (2.50)
P5060	25.7 (2.39)	29.9 (2.78)
P5530	13.0 (1.21)	16.2 (1.51)
P5535	15.1 (1.40)	18.4 (1.71)
P5540	18.1 (1.68)	21.6 (2.01)
P5545	20.1 (1.87)	23.8 (2.21)
P5550	23.0 (2.14)	26.9 (2.50)
P6030	14.6 (1.36)	17.9 (1.66)
P6035	16.8 (1.56)	20.4 (1.90)
P6040	20.2 (1.88)	24.0 (2.23)
P6045	22.4 (2.08)	26.4 (2.45)
P6050	25.7 (2.39)	29.9 (2.78)

* Dimensions in parentheses are in square meters.

CASEMENT & AWNING WINDOWS

Awning Window Opening and Area Specifications (continued)

Window Number	Clear Opening Area Sq. Ft./ (m²)		Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m²)	Vent Area Sq. Ft./ (m²)	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m²)
			Width Inches/(mm)	Depth Inches/(mm)				
AW2281	1.2	(0.11)	26 7/8" (683)	6 1/2" (165)	8.8 (0.82)	2.4 (0.23)	56 1/16" (1424)	12.4 (1.15)
AW231	1.4	(0.13)	31 5/16" (795)	6 1/2" (165)	10.4 (0.97)	2.8 (0.26)	56 1/16" (1424)	14.2 (1.32)
AW321	0.9	(0.08)	19 1/2" (495)	6 1/2" (165)	9.6 (0.89)	2.6 (0.25)	56 1/16" (1424)	14.4 (1.34)
AW3251	1.1	(0.10)	23 3/4" (603)	6 1/2" (165)	11.7 (1.09)	3.2 (0.30)	56 1/16" (1424)	16.8 (1.56)
AX251	1.1	(0.10)	23 3/4" (603)	6 1/2" (165)	4.4 (0.41)	1.1 (0.10)	53 15/16" (1370)	6.2 (0.58)
AX281	1.2	(0.11)	26 7/8" (683)	6 1/2" (165)	5.0 (0.47)	1.2 (0.11)	53 15/16" (1370)	6.9 (0.64)
AX31	1.4	(0.13)	31 5/16" (795)	6 1/2" (165)	5.9 (0.54)	1.4 (0.13)	53 15/16" (1370)	7.9 (0.73)
AX351	1.6	(0.15)	36 3/16" (919)	6 1/2" (165)	6.8 (0.63)	1.6 (0.15)	53 15/16" (1370)	8.9 (0.83)
AX41	2.0	(0.18)	43 3/8" (1102)	6 1/2" (165)	8.1 (0.76)	2.0 (0.18)	53 15/16" (1370)	10.5 (0.98)
AX451	2.2	(0.20)	48 3/16" (1224)	6 1/2" (165)	9.0 (0.84)	2.2 (0.20)	53 15/16" (1370)	11.6 (1.07)
AX51	2.5	(0.23)	55 1/2" (1410)	6 1/2" (165)	10.4 (0.96)	2.5 (0.23)	53 15/16" (1370)	13.1 (1.22)
AX551	2.7	(0.25)	60 3/16" (1529)	6 1/2" (165)	11.3 (1.05)	2.7 (0.25)	53 15/16" (1370)	14.2 (1.32)
AX61	3.0	(0.28)	67 1/2" (1715)	6 1/2" (165)	12.6 (1.17)	3.0 (0.28)	53 15/16" (1370)	15.7 (1.46)
AX2251	1.1	(0.10)	23 3/4" (603)	6 1/2" (165)	8.9 (0.82)	2.1 (0.20)	53 15/16" (1370)	12.4 (1.15)
AX2281	1.2	(0.11)	26 7/8" (683)	6 1/2" (165)	10.0 (0.93)	2.4 (0.23)	53 15/16" (1370)	13.8 (1.28)
AX231	1.4	(0.13)	31 5/16" (795)	6 1/2" (165)	11.7 (1.09)	2.8 (0.26)	53 15/16" (1370)	15.7 (1.46)
AX3251	1.1	(0.10)	23 3/4" (603)	6 1/2" (165)	13.3 (1.24)	3.2 (0.30)	53 15/16" (1370)	18.6 (1.73)
AXW281	1.2	(0.11)	26 7/8" (683)	6 1/2" (165)	5.8 (0.54)	1.2 (0.11)	48 1/2" (1232)	7.9 (0.73)
AXW31	1.4	(0.13)	31 5/16" (795)	6 1/2" (165)	6.8 (0.63)	1.4 (0.13)	48 1/2" (1232)	9.0 (0.84)
AXW351	1.6	(0.15)	36 3/16" (919)	6 1/2" (165)	7.9 (0.73)	1.6 (0.15)	48 1/2" (1232)	10.2 (0.95)
AXW41	2.0	(0.18)	43 3/8" (1102)	6 1/2" (165)	9.5 (0.88)	2.0 (0.18)	48 1/2" (1232)	12.0 (1.12)
AXW451	2.2	(0.20)	48 3/16" (1224)	6 1/2" (165)	10.5 (0.98)	2.2 (0.20)	48 1/2" (1232)	13.2 (1.23)
AXW51	2.5	(0.23)	55 1/2" (1410)	6 1/2" (165)	12.1 (1.12)	2.5 (0.23)	48 1/2" (1232)	14.9 (1.38)
AXW551	2.7	(0.25)	60 3/16" (1529)	6 1/2" (165)	13.1 (1.22)	2.7 (0.25)	48 1/2" (1232)	16.2 (1.51)
AXW61	3.0	(0.28)	67 1/2" (1715)	6 1/2" (165)	14.7 (1.37)	3.0 (0.28)	48 1/2" (1232)	17.9 (1.66)
AXW2281	1.2	(0.11)	26 7/8" (683)	6 1/2" (165)	11.6 (1.08)	2.4 (0.23)	48 1/2" (1232)	15.8 (1.47)
AXW231	1.4	(0.13)	31 5/8" (795)	6 1/2" (165)	13.6 (1.26)	2.8 (0.26)	48 1/2" (1232)	18.0 (1.67)
A335*	1.4	(0.13)	31 5/16" (795)	6 1/2" (165)	7.0 (0.65)	1.3 (0.12)	43 11/16" (1110)	10.2 (0.95)
A3535	1.6	(0.14)	36 3/16" (943)	6 1/2" (165)	8.1 (0.75)	1.6 (0.15)	43 11/16" (1110)	11.5 (1.07)
AP32V	1.4	(0.12)	31 5/16" (795)	6 1/2" (165)	9.4 (0.87)	1.4 (0.13)	36 7/16" (926)	12.0 (1.12)
AP352V	1.6	(0.14)	36 3/16" (919)	6 1/2" (165)	10.9 (1.01)	1.6 (0.15)	36 7/16" (926)	13.6 (1.26)
AP42V	2.0	(0.17)	43 3/8" (1102)	6 1/2" (165)	13.1 (1.22)	2.0 (0.18)	36 7/16" (926)	16.0 (1.49)
A212	0.9	(0.08)	19 1/2" (495)	6 1/2" (165)	5.2 (0.48)	1.8 (0.16)	60 5/16" (1532)	8.0 (0.74)
A213	0.9	(0.08)	19 1/2" (495)	6 1/2" (165)	7.8 (0.73)	2.6 (0.25)	60 5/16" (1532)	12.0 (1.12)
A312	1.4	(0.13)	31 5/16" (795)	6 1/2" (165)	8.6 (0.80)	2.8 (0.26)	60 5/16" (1532)	12.0 (1.12)
A313	1.4	(0.13)	31 5/16" (795)	6 1/2" (165)	12.9 (1.20)	4.2 (0.39)	60 5/16" (1532)	18.0 (1.67)
PA3050**	1.4	(0.13)	31 5/16" (795)	6 1/2" (165)	4.3 (0.40)	1.4 (0.13)	60 5/16" (1532)	6.0 (0.56)
PA3060**	1.4	(0.13)	31 5/16" (795)	6 1/2" (165)	4.3 (0.40)	1.4 (0.13)	60 5/16" (1532)	6.0 (0.56)
PA3550**	1.6	(0.15)	36 3/16" (919)	6 1/2" (165)	4.9 (0.46)	1.6 (0.15)	60 5/16" (1532)	6.8 (0.63)
PA3560**	1.6	(0.15)	36 3/16" (919)	6 1/2" (165)	4.9 (0.46)	1.6 (0.15)	60 5/16" (1532)	6.8 (0.63)
PA4060**	2.0	(0.18)	43 3/8" (1102)	6 1/2" (165)	5.9 (0.55)	2.0 (0.18)	60 5/16" (1532)	8.0 (0.74)
AXW312	1.4	(0.13)	31 1/3" (795)	6 1/2" (165)	13.6 (1.26)	2.8 (0.26)	48 1/2" (1232)	18.0 (1.67)

*"Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
* Dimensions in parentheses are in millimeters or square meters.
* Clear opening area of 5.8 sq. ft. or 0.54 m² and clear opening height of 26 1/2" (673) can be obtained by detaching operator from sash.
**Dimensions and calculations are for bottom venting sash.

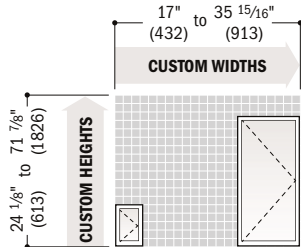
Transom Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m²)	Overall Window Area Sq. Ft./ (m²)
CTR1510	0.7 (0.07)	1.4 (0.13)
CTR1810	0.8 (0.07)	1.7 (0.16)
CTR21810	1.7 (0.16)	3.4 (0.32)
CTR31810	2.6 (0.24)	5.1 (0.47)
CTR2010	1.0 (0.09)	2.0 (0.19)
CTR22010	2.1 (0.19)	4.0 (0.37)
CTR32010	3.1 (0.29)	6.0 (0.56)
CTR2410	1.2 (0.11)	2.4 (0.22)
CTR22410	2.5 (0.24)	4.7 (0.44)
CTR32410	3.8 (0.35)	7.1 (0.66)
CTR2810	1.4 (0.13)	2.6 (0.24)
CTR22810	2.9 (0.27)	5.2 (0.49)
CTR3010	1.6 (0.15)	3.0 (0.28)
CTR23010	3.3 (0.31)	6.0 (0.55)
CTR5110	2.8 (0.26)	5.1 (0.47)
CTR2910	1.5 (0.14)	2.8 (0.26)
CTR3410	1.8 (0.17)	3.4 (0.32)
CTR4010	2.2 (0.20)	4.0 (0.37)
CTR4810	2.6 (0.24)	4.7 (0.44)
CTR5210	2.9 (0.27)	5.2 (0.48)
CTR51110	3.4 (0.32)	6.0 (0.56)
CTR6010	3.4 (0.32)	6.0 (0.56)
CTR7010	4.0 (0.37)	7.1 (0.66)
PTR3010	1.6 (0.15)	3.0 (0.28)
PTR3510	1.8 (0.17)	3.4 (0.32)
PTR4010	2.2 (0.20)	4.0 (0.37)
PTR4510	2.4 (0.22)	4.4 (0.41)
PTR5010	2.8 (0.26)	5.0 (0.47)
PTR5510	3.0 (0.28)	5.4 (0.50)
PTR6010	3.4 (0.32)	6.0 (0.56)

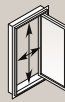

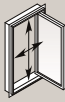

*Dimensions in parentheses are in square meters.

Custom Sizes and Specification Formulas

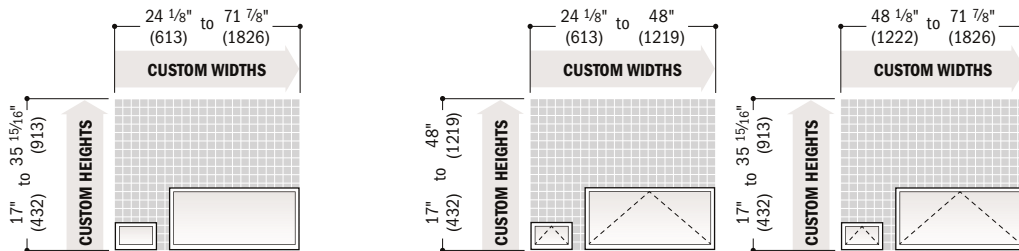
Casement Windows (stationary and venting)

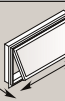





Available in 1/8" (3) increments between minimum and maximum widths and heights. Windows can also be custom sized to match standard sizes ending in a sixteenth of an inch. Some restrictions apply; contact your Andersen supplier. Custom sizing is available for single windows only. To achieve custom-size 2- or 3-wide combinations, join custom-size single windows. For minimum rough opening dimensions for joined windows, see specific joining instruction guides. Measurement guide for custom-size windows can be found at andersenwindows.com/measure.

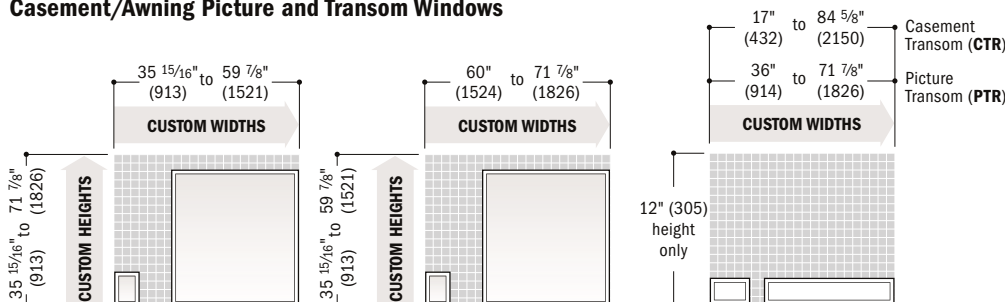
Clear Opening 	Width = window width – 5.81" (148) = (window width – 9.66" (245)) x 1.07 = window width – 9.70" (246) Height = window height – 4.43" (113) = window height – 4.85" (123)	Min. R.O. 	Width = window width + 1/2" (13) Height = window height + 1/2" (13)
Vent Opening 	Width = window width – 5.81" (148) = window width – 6.10" (155) Height = window height – 4.43" (113) = window height – 4.85" (123)	Unobst. Gls. 	Width = window width – 4.40" (112) Height = window height – 4.95" (126)



Awning Windows (stationary and venting)



Clear Opening 	Width = window width – 4.53" (115) Depth = 6.38" (162) = 6.44" (164) = 6.50" (165)	Min. R.O. 	Width = window width + 1/2" (13) Height = window height + 1/2" (13)
Vent Opening 	Width = window width – 4.53" (115) Depth = 6.38" (162) = 6.44" (164) = 6.50" (165)	Unobst. Gls. 	Width = window width – 4.81" (122) Height = window height – 4.51" (115)

Casement/Awning Picture and Transom Windows



Min. R.O. 	Width = window width – 1/2" (13) Height = window height – 1/2" (13)
Unobst. Gls. 	Width = window width – 4.80" (122) Height = window height – 4.80" (122)

- Dimensions in parentheses are in millimeters.
- **Clear Opening** formulas provide dimensions for determining area available for egress. **Vent Opening** formulas provide dimensions for determining area available for passage of air. **Min. R.O.** (minimum rough opening) formulas provide minimum rough opening width and height dimensions. **Unobst. Gls.** (unobstructed glass) formulas provide dimensions for determining area available for passage of light.
- Refer to andersenwindows.com/measure for detailed instructions on how to properly measure for custom-size windows.

CASEMENT & AWNING WINDOWS

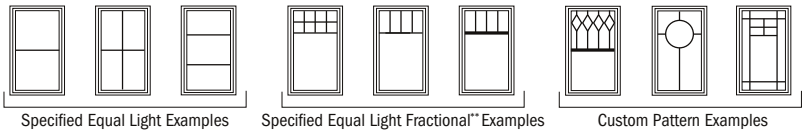
Grille Patterns

	Diamond*	Prairie A	Specified Equal Light with Simulated Meeting Rail	Colonial	Modified Colonial	Modified Colonial with Simulated Meeting Rail	Tall Fractional	Tall Fractional with Simulated Meeting Rail	Short Fractional	Short Fractional with Simulated Meeting Rail	Victorian
Casement											
Awning											
Picture											
Transom											

*Available only in Simulated Divided Light (SDL) configuration and only in 3/4" (19) and 7/8" (22) widths.

Number of lights and overall pattern varies with window size.

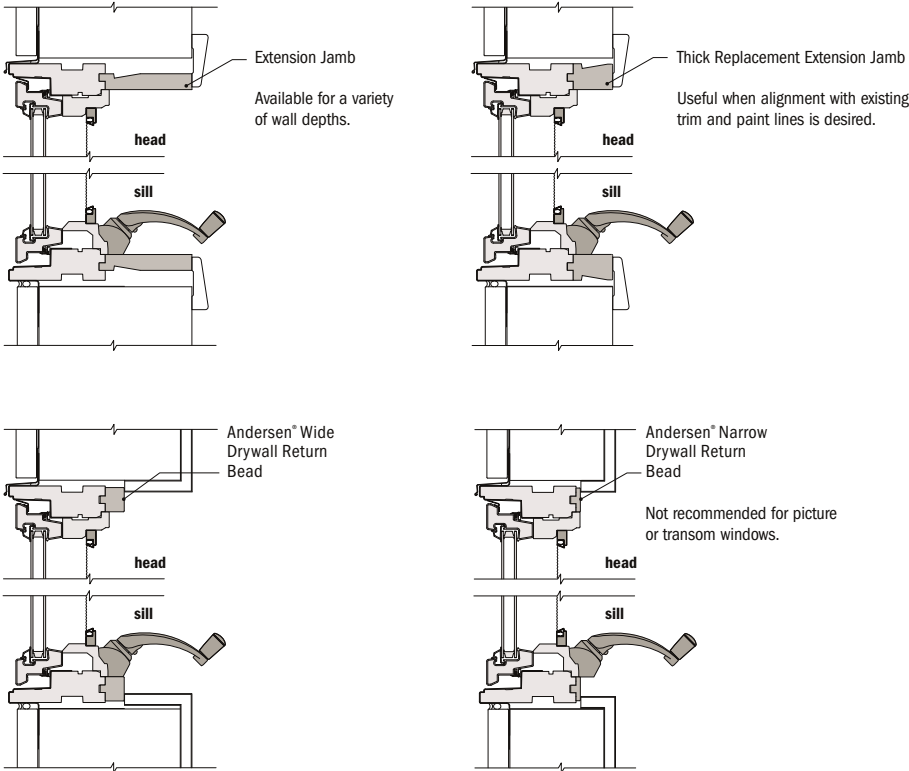
Patterns not available in all configurations. Specified equal light and custom patterns are also available. For more grille options, see page 14 or visit andersenwindows.com/grilles.



**Daylight opening dimensions are available at 8" (203), 10" (254), 12" (305), center and custom dimensions.

Interior Trim Options

Extension jamb and drywall return bead applications shown. See page 21 for more information.



* Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
* Dimensions in parentheses are in millimeters.
* Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

Julie Erdman

From: Lucas Lincoln <lucas.lincoln@gmail.com>
Sent: Monday, May 12, 2025 1:45 PM
To: Julie Erdman
Subject: Re: VRB Application - 13 Market Lane

CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Julie,

Thank you for following up. Yes, we would be trying to match the moulding "crowns" as on the west side and as exists currently on the single east window.

The plan is for a pair of matching casements on the east side, with mirrored openings (both opening from house center outward).

Best,
Lucas

On Mon, May 12, 2025, 13:37 Julie Erdman <jerdman@brunswickme.gov> wrote:

Hi Lucas,

I am wrapping up the VRB findings for 13 Market and wondering if you have any intention to match the mouldings on the east side of the house to the west side? Specifically, I'm thinking about the lintel moulding over the windows. It appears that the same moulding still exists on the second story east side window currently. I could see the board wanting to maintain that, at least for the second story windows.

Are both of the new windows going to be casements?

Thanks!

Julie

Town of Brunswick, Maine

DEPARTMENT OF PLANNING AND DEVELOPMENT

DRAFT FINDINGS OF FACT REQUEST FOR CERTIFICATE OF APPROPRIATENESS FOR ADDITIONS AND ALTERATIONS VILLAGE REVIEW BOARD

PROJECT NAME: 60 Maine Street Loading Dock (Morning Glory)

CASE NUMBER: VRB 25-009

LOCATION: Map U13, Lot 23; 60 Maine Street

APPLICANT: Morning Glory Natural Foods
60 Maine Street
Brunswick, ME 04011

OWNERS: C & S Partnership LLC
Craig Urquhart & Susan Tarpinian
60 Maine Street
Brunswick, ME 04011

REVIEW DATE: May 20, 2025

PROJECT SUMMARY

The applicant, Morning Glory Natural Foods, is requesting a Certificate of Appropriateness for Alterations to convert the rear office addition into a loading dock/receiving area. The same footprint will be used but the exterior walls will be rebuilt, the floor leveled, and a receiving door added. Two existing windows will be removed, and new siding and trim will be installed that will resemble the existing. The present siding is asbestos cement and will need to be abated; the proposed replacement siding is Maibek Contemporary Genuine Wood Siding and the proposed trim is Lifespan Solid Select which is a pre-primed and treated wood product. The grocery building is an Italianate contributing structure circa 1857 and is part of the nationally registered Maine Street Commercial Historic District.

REVIEW STANDARDS, SECTION 5.2.8.C, TOWN OF BRUNSWICK ZONING ORDINANCE

(1) General Standard

- a. **All Certificates of Appropriateness for new construction, additions, alterations, relocations or demolition shall be in accordance with applicable requirements of this Ordinance.**

The proposed modifications to the property require a building permit in addition to a Certificate of Appropriateness as there are structural changes to the building.

- b. **In meeting the standards of this Ordinance, the applicant may obtain additional**

Buildings and the Village Review Zone Design Guidelines.

The Village Review Overlay District Design Guidelines encourage the use of original material when repairing or replacing elements such as exterior cladding and trim. The cement siding on the structure presently is not original to the building; the applicant intends to replace it with wood, which is an appropriate cladding.

(2) New Construction and Additions and Alterations to Existing Structures

- a. In approving applications for a Certificate of Appropriateness for new construction, additions or alterations to contributing resources, the reviewing entity shall make findings that the following standards have been satisfied:**

- i. Any additions or alterations shall be designed in a manner to minimize the overall effect on the historic integrity of the contributing resource.**

The applicant proposes to modify the rear of the structure, visible from Gilman Avenue, which is a later addition to the historic building. It is a strictly functional appendage and does not bear the same architectural details as the main structure. No historic integrity will be lost as part of this project, and it will provide utility to the occupying business.

- ii. Alterations shall remain visually compatible with the existing streetscape.**

The proposed revisions are no less compatible with the existing streetscape.

- iii. Concealing of distinctive historic or architectural character-defining features is prohibited. If needed, the applicant may replace any significant features with in-kind replacement and/or accurate reproductions.**

As noted, the rear addition is not original to the structure and does not bear the same architectural details as the main structure. No significant features are to be concealed or replaced.

- iv. New construction or additions shall be visually compatible with existing mass, scale and materials of the surrounding contributing resources.**

Not applicable.

- v. When constructing additions, the applicant shall maintain the structural integrity of existing structures.**

Not applicable.

- b. In approving applications for a Certificate of Appropriateness for new construction of, or additions to commercial, multi-family and other non-residential structures, the Village Review Board shall make findings that the following additional standards have been satisfied.**

- i. Where practicable, new off-street parking shall be located to the rear of the principal building and shall be accessed from a secondary street. In cases**

where off-street parking currently exists in a front or side yard, the parking area shall be screened from the public right-of-way with landscaping or fencing.

Not applicable.

- ii. Site plans shall identify pedestrian ways and connections from parking areas to public rights-of-way.**

Not applicable.

- iii. All dumpsters and mechanical equipment shall be located no less than 25 feet away from a public right-of-way, unless required by a public utility, and shall be screened from public view.**

Not applicable.

- iv. Roof-top mounted heating, ventilation, air conditioning and energy producing equipment shall be screened from the view of any public right-of-way or incorporated into the structural design to the extent that either method does not impede functionality. Parapets, projecting cornices, awnings or decorative roof hangs are encouraged. Flat roofs without cornices are prohibited.**

Not applicable.

- v. The use of cinder block, concrete and concrete block is prohibited on any portion of a structure that is visible from the building's exterior, with the exception of use in the building's foundation.**

Not applicable.

- vi. The use of vinyl, aluminum or other non-wood siding is permitted as illustrated in the Village Review Board Design Guidelines. Asphalt and asbestos siding are prohibited.**

Not applicable.

- vii. Buildings with advertising icon images built into their design ("trademark buildings") are prohibited.**

Not applicable.

- viii. No building on Maine Street shall have a horizontal expanse of more than 40 feet without a pedestrian entry.**

Not applicable.

- ix. No building on Maine Street shall have more than 15 feet horizontally of windowless wall.**

Not applicable.

- x. **All new buildings and additions on Maine Street shall be built to the front property line. This may be waived if at least 60 percent of the building's front facade is on the property line, and the area in front of the setback is developed as a pedestrian space.**

Not applicable.

- xi. **If adding more than 50 percent new floor area to a structure located on Maine Street, the addition shall be at least two (2) stories high and/or not less than 20 feet tall at the front property line.**

Not applicable.

- xii. **The first-floor facade of any portion of a building that is visible from Maine Street shall include a minimum of 50 percent glass. Upper floors shall have a higher percentage of solid wall, between 15 percent and 40 percent glass.**

Not applicable. While the structure is located at 60 Maine Street, the modifications are at the rear and are only visible from Gilman Avenue, not Maine Street.

- c. **Proposed additions or alterations to noncontributing resources shall be designed to enhance or improve the structure's compatibility with nearby contributing resources as compared to the existing noncontributing resources.**

The building is a contributing structure and therefore this standard is not applicable.

(3) Signs

Signs shall comply with the requirements of Section 4.13 (Signs) with consideration given to the Village Review Zone Design Guidelines.

No new signage is proposed as part of this project; not applicable

(4) Demolition and Relocation

- a. **Demolition or partial demolition or relocation of a contributing or, if visible from a public right-of-way, a noncontributing resource, excluding incidental or noncontributing accessory buildings and structures located on the same property, shall be prohibited unless the application satisfies at least one of the following criteria.**
 - i. **The structure poses an imminent threat to public health or safety. An application must be accompanied by a report from a qualified structural engineer for review by the Codes Enforcement Officer and photographs depicting the current condition of the building.**

There is no demolition proposed and therefore this standard is not applicable.

- ii. **The condition of the structure is such that it cannot be adapted for any other permitted use, whether by the current owner or by a purchaser, resulting in a reasonable economic return, regardless of whether that return represents the most profitable return possible, provided that the applicant can document he/she has not contributed significantly to the deterioration of the structure. An opinion shall be provided from an architect, licensed engineer, developer, real estate consultant or appraiser or from a professional experienced in historic rehabilitation, as to the economic feasibility for restoration, renovation, or rehabilitation of the contributing resource versus demolition or relocation of same.**

Not applicable.

- b. **Demo, partial demolition or relocation of a noncontributing resource visible from a public right-of-way, shall be approved by the Village Review Board if it is determined that the proposed replacement structure or reuse of the property is deemed more appropriate and compatible with the surrounding contributing resources than the resource proposed for demolition.**

Not applicable.

DRAFT MOTIONS
MAP U13, LOT 23 (60 MAINE STREET)
REQUEST FOR A CERTIFICATE OF APPROPRIATENESS FOR ALTERATIONS
VILLAGE REVIEW BOARD
REVIEW DATE: MAY 20, 2025

Draft Motion 1: That the Certificate of Appropriateness application is deemed complete.

Motion: Second: Vote:

Draft Motion 2: That the Board approves the **Certificate of Appropriateness for Alterations** to modify the rear of the structure to create a loading dock for the business located at Map U13, Lot 23; 60 Maine Street, as outlined in the application and as satisfied by Subsection 5.2.8.C with the following condition:

1. That the Board's review and approval does hereby refer to these findings of fact, the plans and materials submitted by the applicant and the written and oral comments of the applicant, his representatives, reviewing officials, and members of the public as reflected in the public record. Any changes to the approved plan not called for in these conditions of approval or otherwise approved by the Director of Planning and Development as a minor modification, shall require further review and approval in accordance with the Brunswick Zoning Ordinance.

Motion: Second: Vote:

Generally it is required that:

- Any changes are appropriate for the architectural and historical character of a building. This is especially important for details such as trim, railings, windows, etc.
- Alterations or new construction respect the visual character of the streetscape and neighborhood and reflect the scale, the textures, and the overall forms and relationships of those surroundings.

Application Requirements

Please attach the following information to complete your application. A thorough application and thoughtful consideration of the project's impact to the Village Review Overlay Zone will ensure a complete and prompt review by the Staff/Board:

- ☒ Completed application form and applicable review fee.
- ☐ A copy of the building survey prepared by the Pejepscot Historical Society pertaining to the structure under review (provided by Department Staff).
- ☒ A drawing showing the design, texture, and location of any construction, alteration and/or demolition for which a certificate is required. The drawing shall include plans and exterior elevations drawn to scale, with sufficient detail to show their relations to exterior appearances and the architectural design of the building. Drawings need not be prepared by an architect or engineer, but shall be clear, complete, and specific.
- ☒ A site plan which shows the relationship of the changes to the surroundings.
- ☒ If architectural features are to be removed or replaced (including but not limited to original windows, siding, roofing material and other design elements), provide photographic documentation or a written assessment from a preservation professional or contractor explaining the condition of the material and reason for removal/replacement.
- ☒ Photographs of the building(s) involved, its context, and detailed photos of immediate area.
- ☒ List all proposed materials and products, and clearly identify their location on the drawings. Indicate texture of material, if applicable. **N/A**
- ☒ Provide manufacturer's product information and, if possible, bring material samples to the meeting. **N/A - not applicable**
- ☒ Provide information such as dimensions, photographs or source for salvaged or reused materials.

For demolition applications, all applications must also address review standards contained in Subsection 5.2.8.C (4) of the Brunswick Zoning Ordinance.

All applicants for Major Review are required to attend the Village Review Board meeting to present their application.

Notification

The Department of Planning and Development will identify all property located within a 200 foot radius of the parcel subject to review. The owners of identified property will be notified by the Planning and Development Department by first class mail at least 10 days prior to the Village Review Board meeting.

Application Fees

The following application fees shall be paid upon submittal for any project requiring a Certificate of Appropriateness:

Minor Review (Staff-level): \$75.00

Major Review (Village Review Board-level): \$150.00

Received: _____
By: _____

VRB Case #: _____

**VILLAGE REVIEW OVERLAY
CERTIFICATE OF APPROPRIATENESS
APPLICATION**

1. Project Applicant:

Name: Morning Glory Natural Foods
Address: 60 Maine Street
Brunswick, Maine 04011
Phone Number: 207-729-0546
Email Address: toby.tarpinian@gmail.com

2. Project Property Owner:

Name: Craig Urquhart
Address: 60 Maine Street
Brunswick, Maine 04011
Phone Number: 207-841-8012
Email Address: toby.tarpinian@gmail.com

3. Authorized Representative: (If different than applicant)

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

4. Physical Location of Property Being Affected:

Address: 60 Maine Street

5. Tax Assessor's Map # _____ Lot # _____ of subject property.

6. Underlying Zoning District _____

7. Type of Activity (check all that apply):

- ☐ Additions and New Construction
☒ Structural Alteration
☐ Demolition/Moving of Structure
☐ Sign Permit

8. Describe the location and nature of the proposed change(s), including a brief description of the proposed construction, reconstruction, alteration, demolition, proposed re-use, or other change (use separate sheet if necessary):

We plan on creating a receiving area in the back right corner of the building. We will be using the same current footprint. We plan on keeping the existing roof, removing the walls and rebuilding them. We will level the interior floor and add a receiving door.

The work will involve removing siding and replacing with new siding and trim that match the rest of the building. This work will greatly increase the efficiency of receiving large grocery orders for the store.

We will be removing an interior wall to make room for pallets received through the new door. The exterior appearance will change very little. I have attached a preliminary architectural drawing. This project will replace an existing ground level shed and manager office.

Applicant Name (printed): Toby Tarpinian

Applicant Signature: _____

Property Owner Name (printed): Craig Urquhart/Susan Tarpinian

Property Owner Signature: _____

Revised 12/17/2024

**VILLAGE REVIEW OVERLAY
APPLICATION FOR CERTIFICATE OF COMPLIANCE
APPLICATION CHECK-LIST**

This checklist will be completed by the Department of Planning and Development. The Department requires that all application materials be submitted in BOTH hard copy and digital format. In addition, for Major Review applications, EIGHT (8) HARD COPIES are required after your application is considered complete by Department staff. Your project will not be placed on the Village Review Board's agenda until this determination is made. For assistance, please contact the Department of Planning and Development at (207)725-6660.

- ☒ Completed application form
- ☒ A copy of the building survey prepared by the Pejepscot Historical Society pertaining to the structure under review (*provided by Department Staff*).
- ☒ A drawing showing the design, texture, and location of any construction, alteration, demolition for which a certificate is required. The drawing shall include plans and exterior elevations drawn to scale, with sufficient detail to show their relations to exterior appearances and the architectural design of the building. Drawings need not be prepared by an architect or engineer, but shall be clear, complete, and specific.
- ☒ A site plan or photographs showing the relationship of the changes to the surroundings.
- ☐ If architectural features are to be removed or replaced (including but not limited to original windows, siding, roofing material and other design elements), provide photographic documentation or a written assessment from a preservation professional or contractor explaining the condition of the material and reason for removal/replacement.
- ☒ Photographs of the building(s) involved, its context, and detailed photos of immediate area.
- ☒ List all proposed materials and products, and clearly identify their location on the drawings. Indicate texture of material, if applicable.
- ☒ Provide manufacturer's product information and, if possible, bring material samples to the meeting.
- ☐ Provide information such as dimensions, photographs or source for salvaged or reused materials.
- ☐ For demolition applications, provide detailed information addressing standards contained in Subsections 5.2.8.C (4) of the Brunswick Zoning Ordinance.

This application was certified as being complete on 5/6/25 (date) by Jessie P. Brown of the Department of Planning and Development.

THIS APPLICATION WAS:

- ☐ Granted
- ☐ Granted With Conditions
- ☐ Denied
- ☒ Forwarded to Village Review Board
- ☒ Building Permit Required
- ☐ Building Permit NOT Required

Applicable Comments: _____

Signature of Department Staff Reviewing Application

COMPLIANCE WITH ZONING STANDARDS

Notice: *This form is to be completed by the Codes Enforcement Officer and filed with the application.*

This is to certify that the application for Certificate of Appropriateness submitted by Morgan Gusey, relating to property designated on Assessors Tax Map # U13 and Lot # 23 has been reviewed by the Codes Enforcement Officer and has been found to be in compliance with all applicable zoning standards:

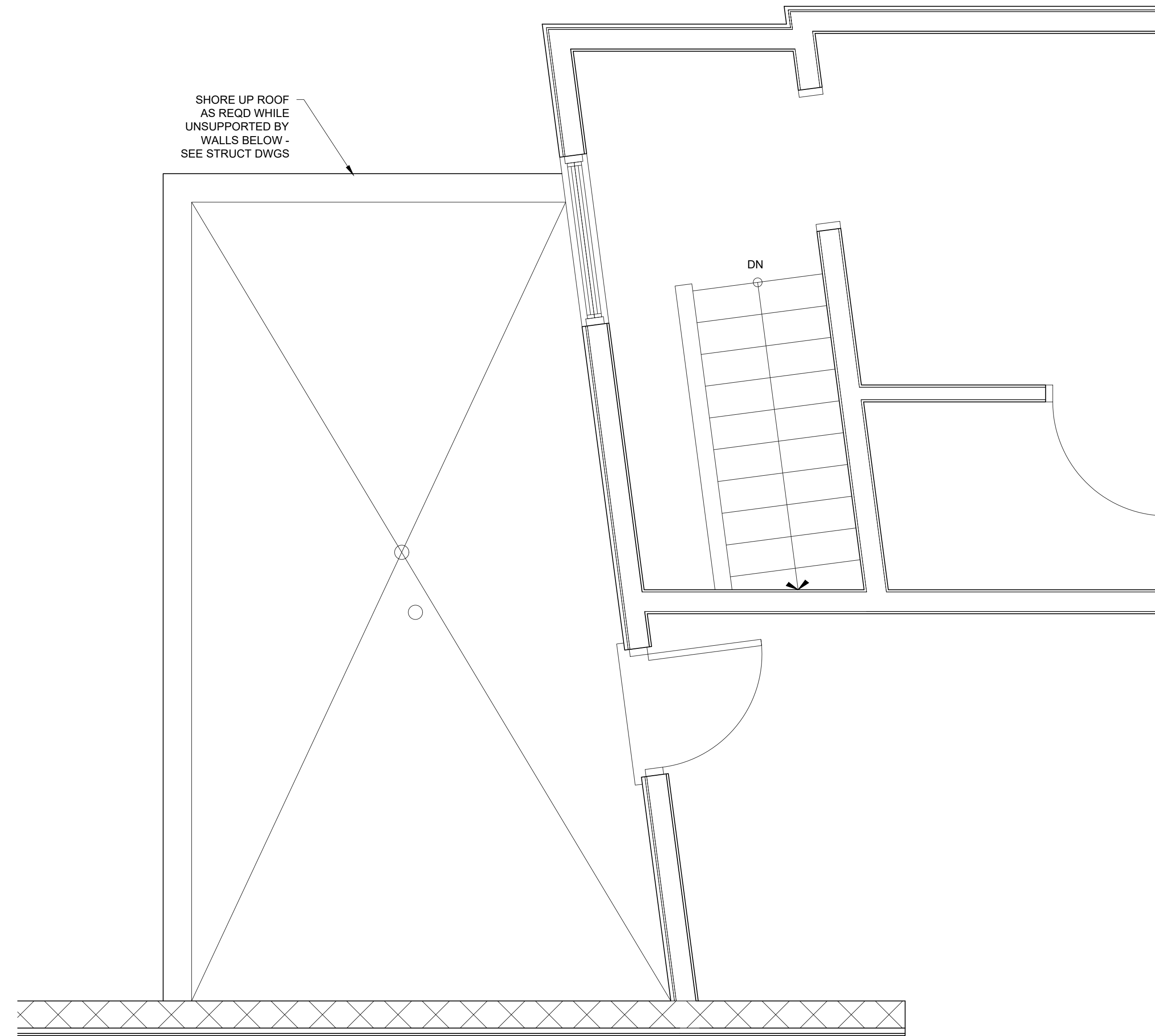
Comments: _____

Signed: _____

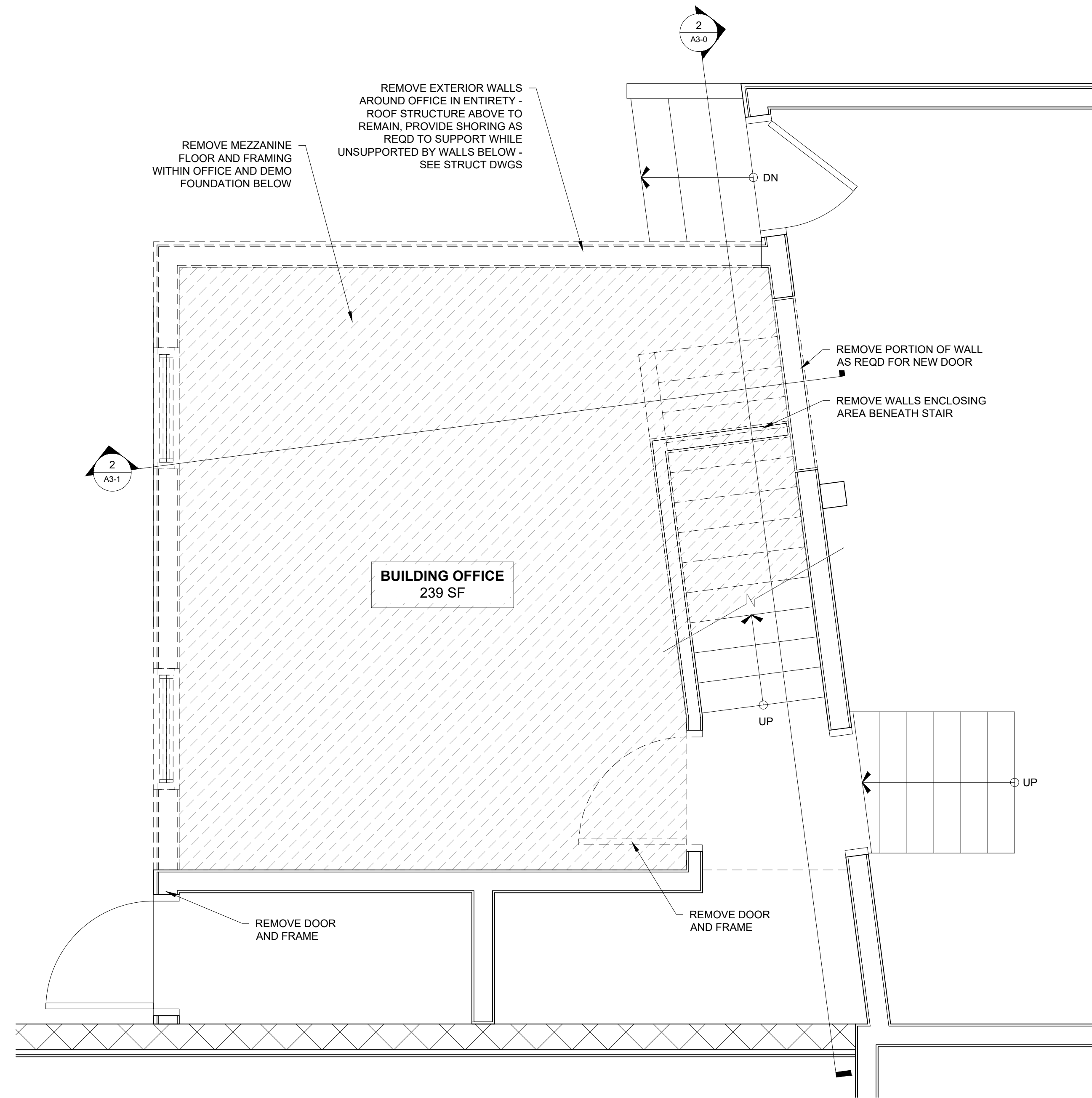
Date: _____

Print: _____

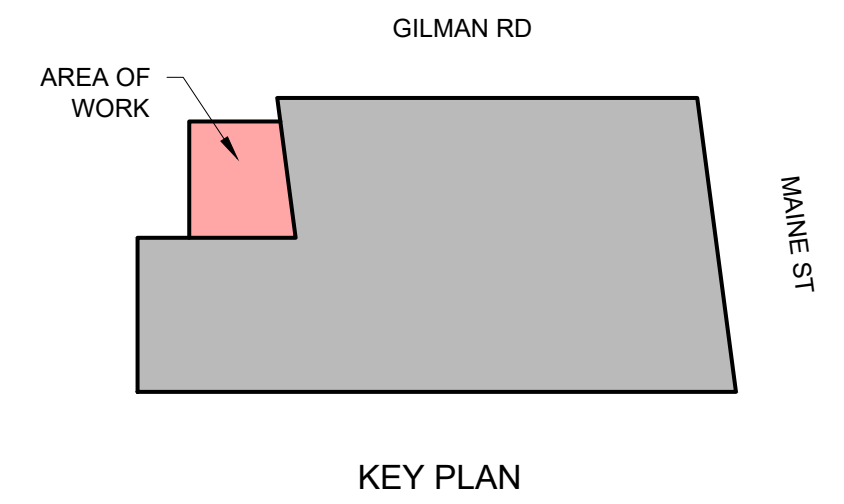
Code Enforcement Officer



2 SECOND FLOOR / ROOF AREA OF WORK PLAN - DEMO
1/4" = 1'-0"



1 FIRST FLOOR / MEZZANINE AREA OF WORK PLAN - DEMO
1/4" = 1'-0"



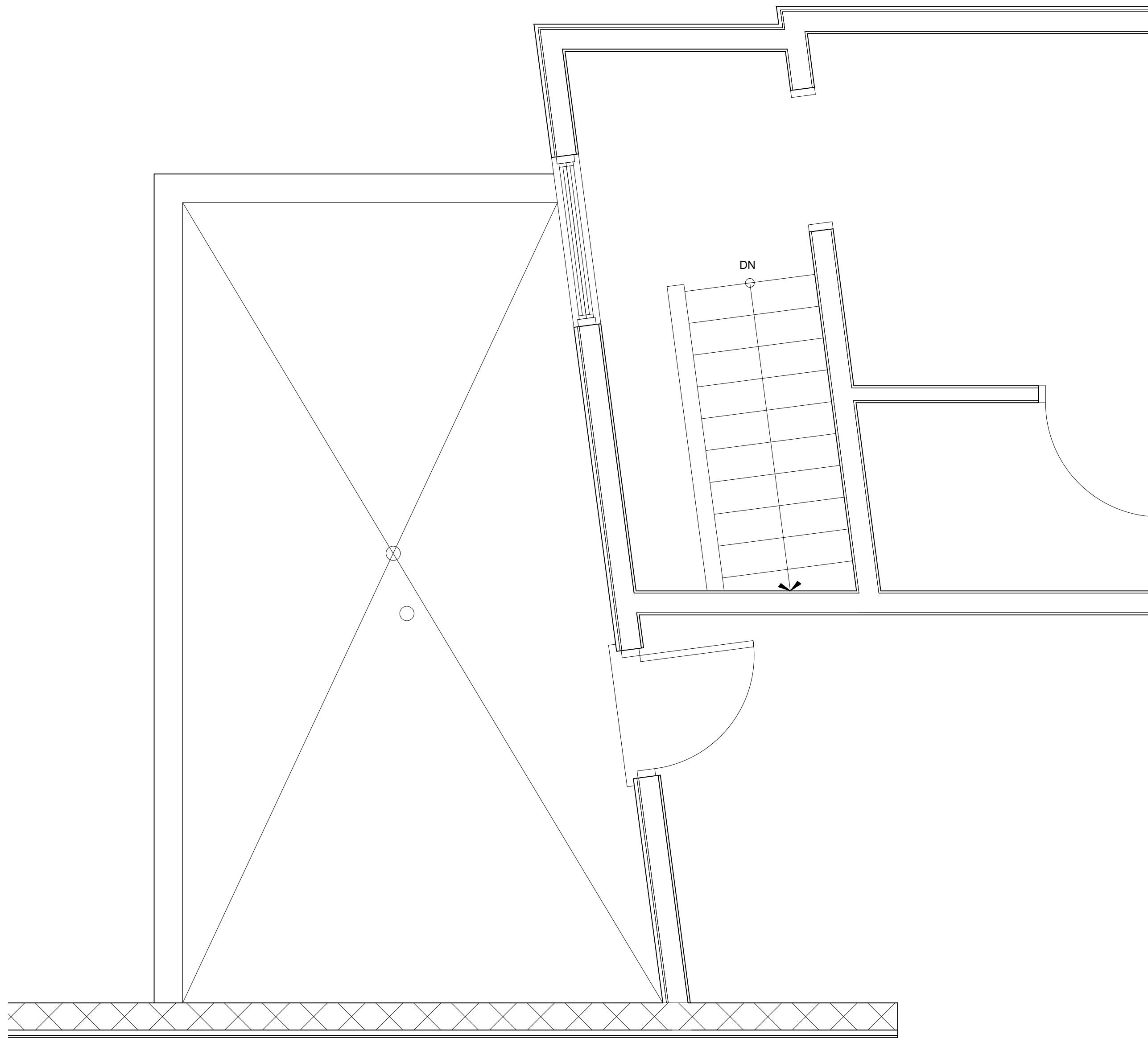
MORNING GLORY
60 MAINE STREET
BRUNSWICK, MAINE

RSA
RYAN SENATORE
ARCHITECTURE
500 CONGRESS STREET, SUITE 2
PORTLAND, MAINE 04101
O: 207-747-5159
C: 207-650-6414
senatorearchitecture.com

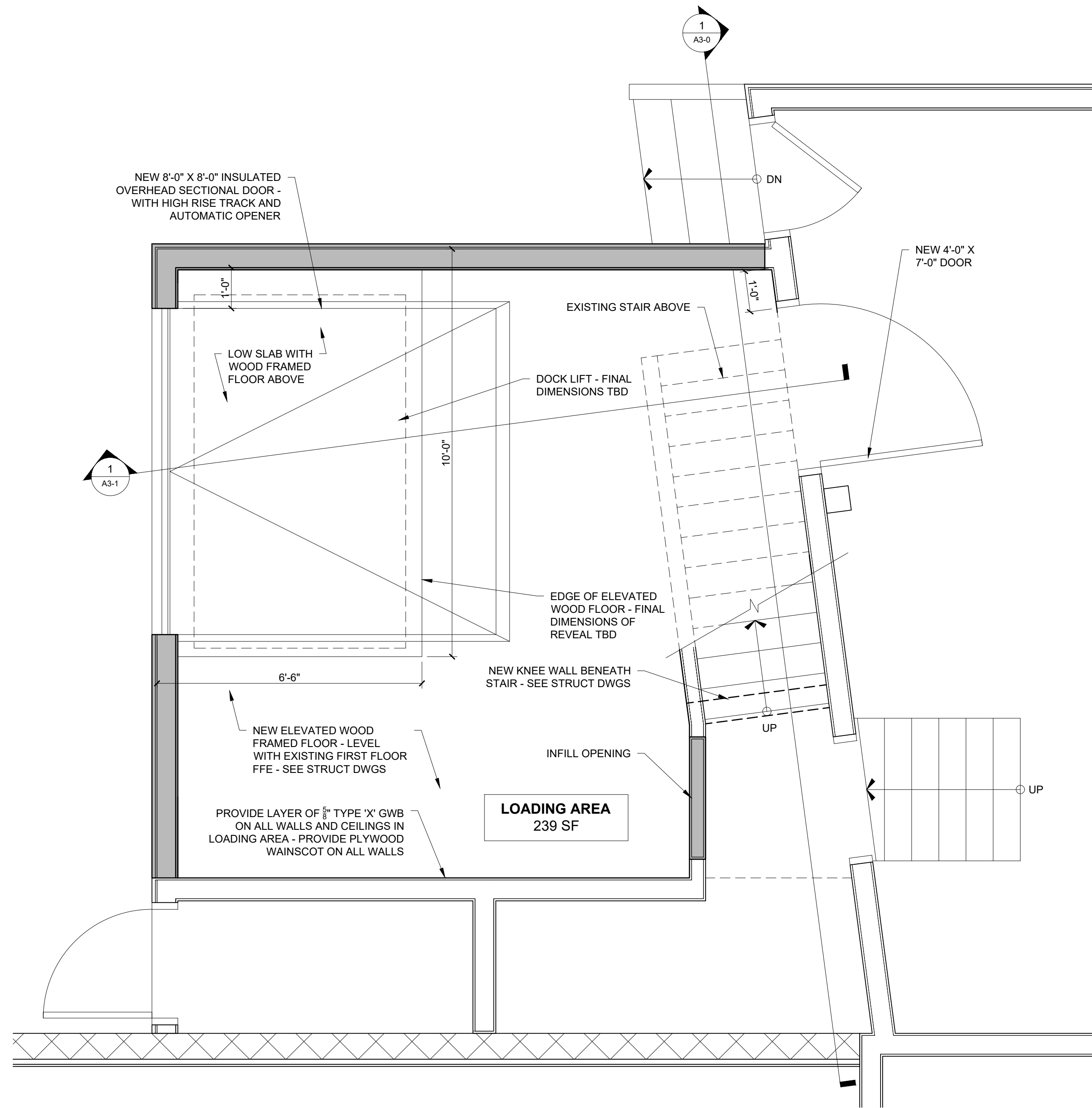
CONSULTANTS:
REVISIONS:
PROJECT PRINT ONLY
Not for Construction
05-06-25

DATE:
PROJECT No. 2513
DRAWN BY: ES
CHECKED BY: RJS
SCALE: AS NOTED
SHEET TITLE:
DEMO PLANS

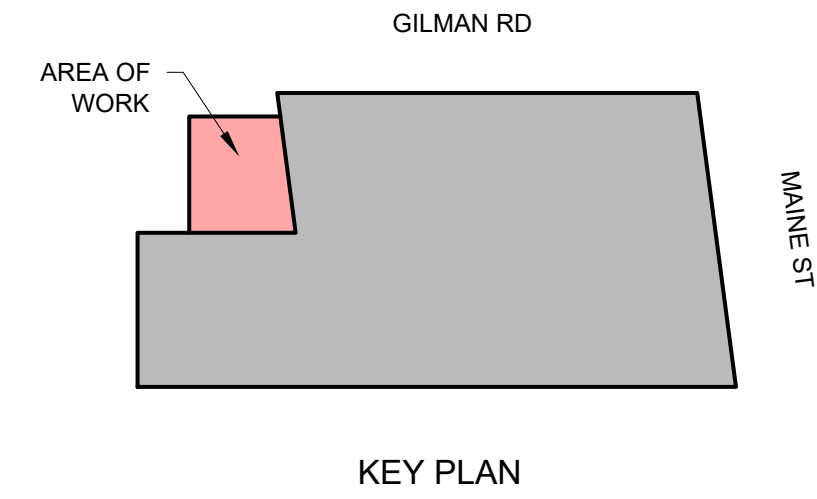
AD1-0



2 SECOND FLOOR / ROOF AREA OF WORK PLAN - PROPOSED
1/4" = 1'-0"



1 FIRST FLOOR / MEZZANINE AREA OF WORK PLAN - PROPOSED
1/4" = 1'-0"

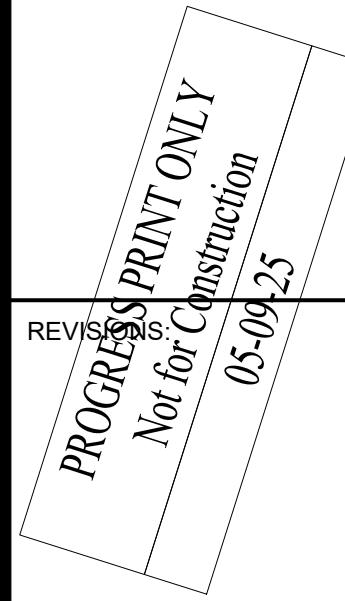


MORNING GLORY
60 MAINE STREET
BRUNSWICK, MAINE



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C: 207-650-6414
senatorearchitecture.com

CONSULTANTS:



DATE:

PROJECT No. 2513

DRAWN BY: ES

CHECKED BY: RJS

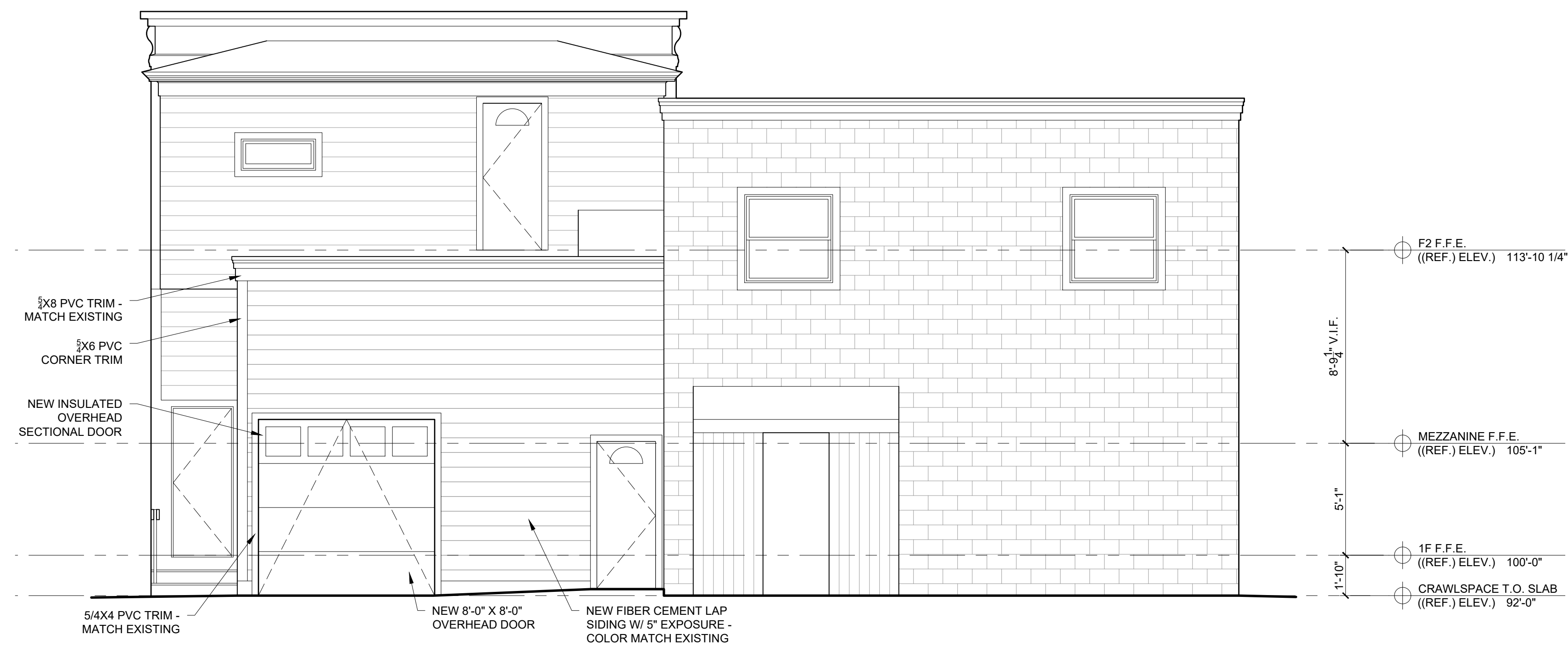
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SHEET TITLE:
NEW WORK
PLANS

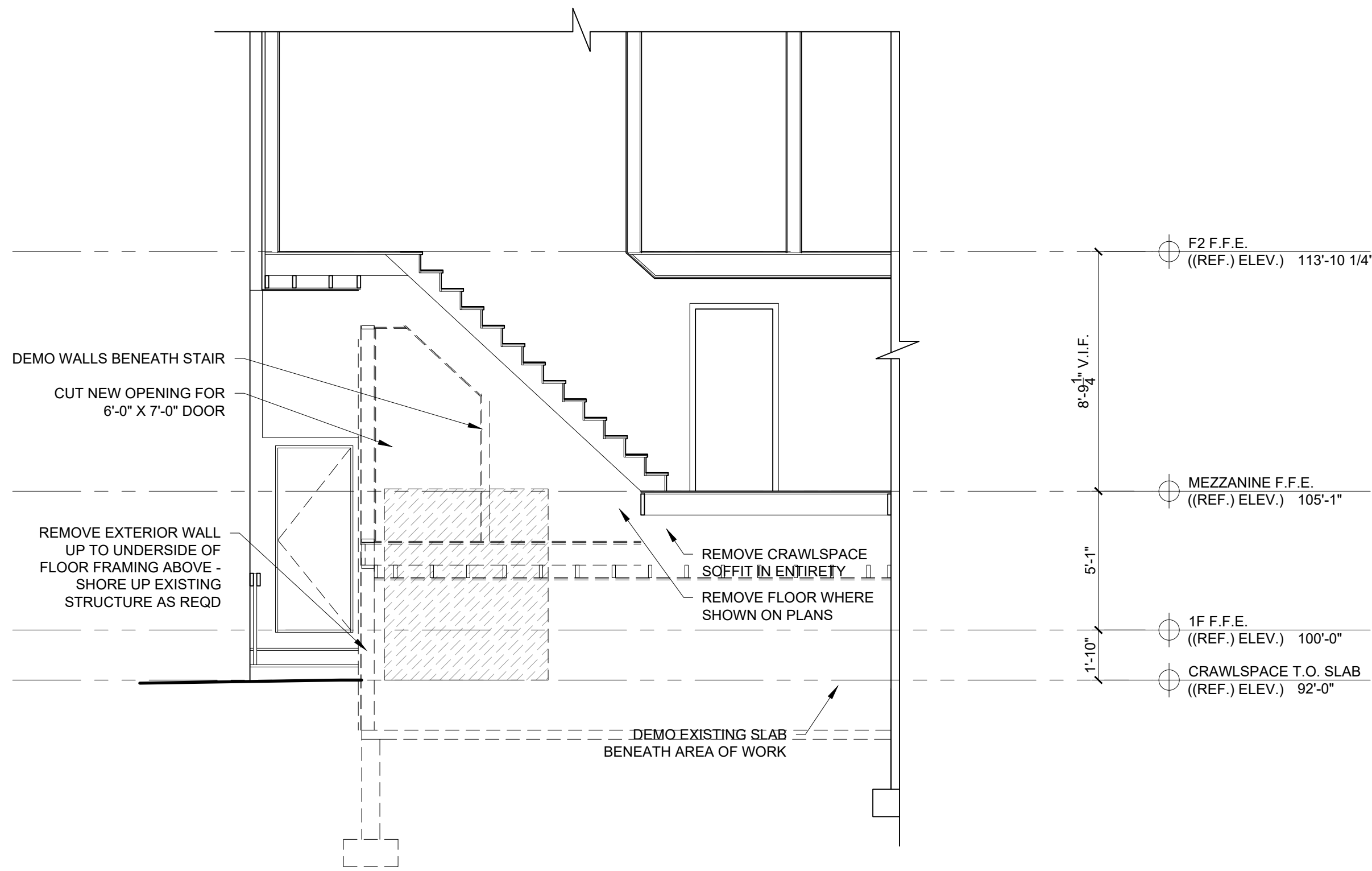
A1-0



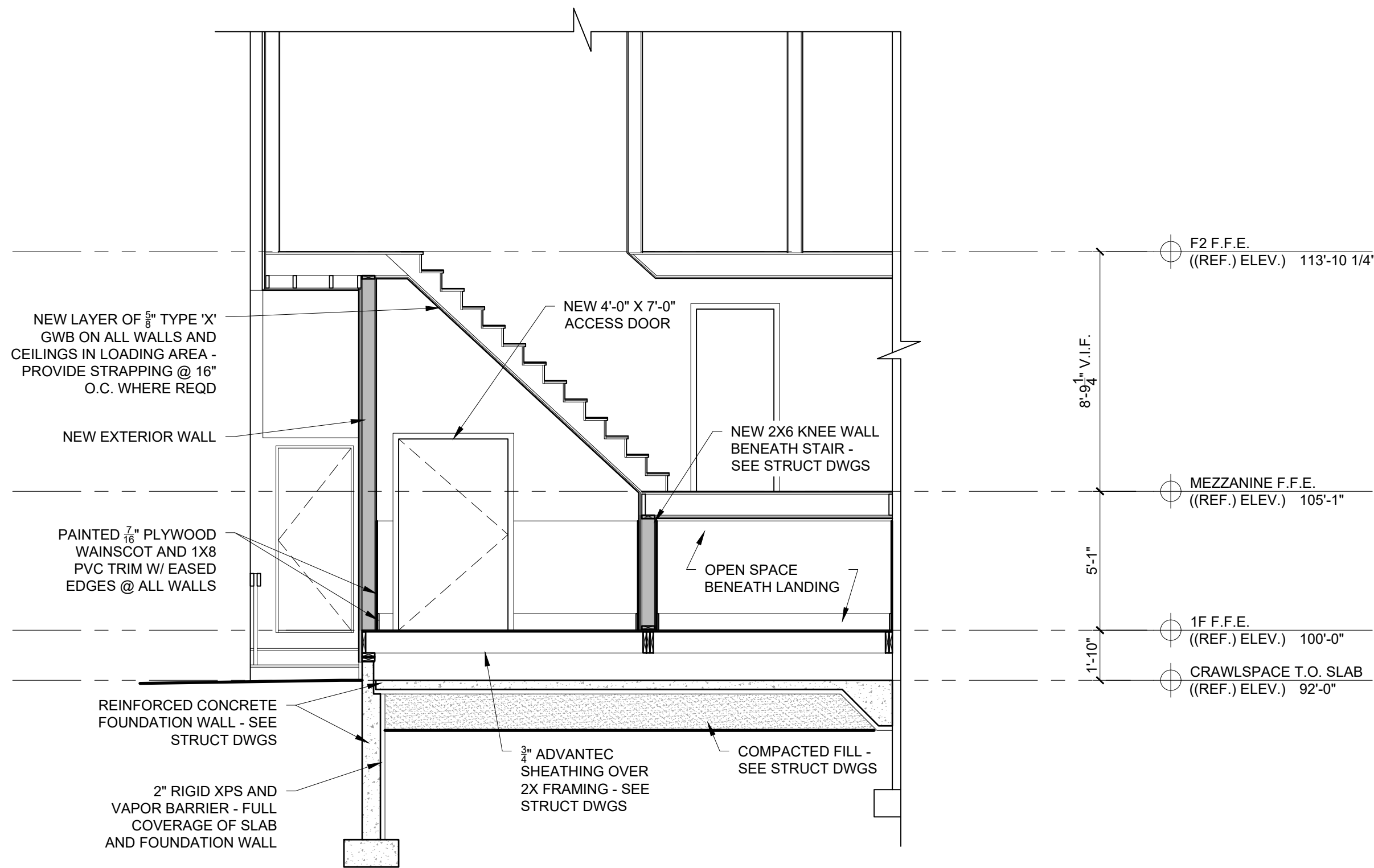
2 AREA OF WORK ELEVATION - DEMO
1/4" = 1'-0"



1 AREA OF WORK ELEVATION - PROPOSED
1/4" = 1'-0"



2 AREA OF WORK SECTION - DEMO
1/4" = 1'-0"



1 AREA OF WORK SECTION - PROPOSED
1/4" = 1'-0"

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ARCHITECTURE

MORNING GLORY
60 MAINE STREET
BRUNSWICK, MAINE

RSA

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C: 207-650-6414
senatorearchitecture.com

CONSULTANTS:

PROGRESS PRINT ONLY
Not for Construction
05-09-25

DATE:

PROJECT No. 2513

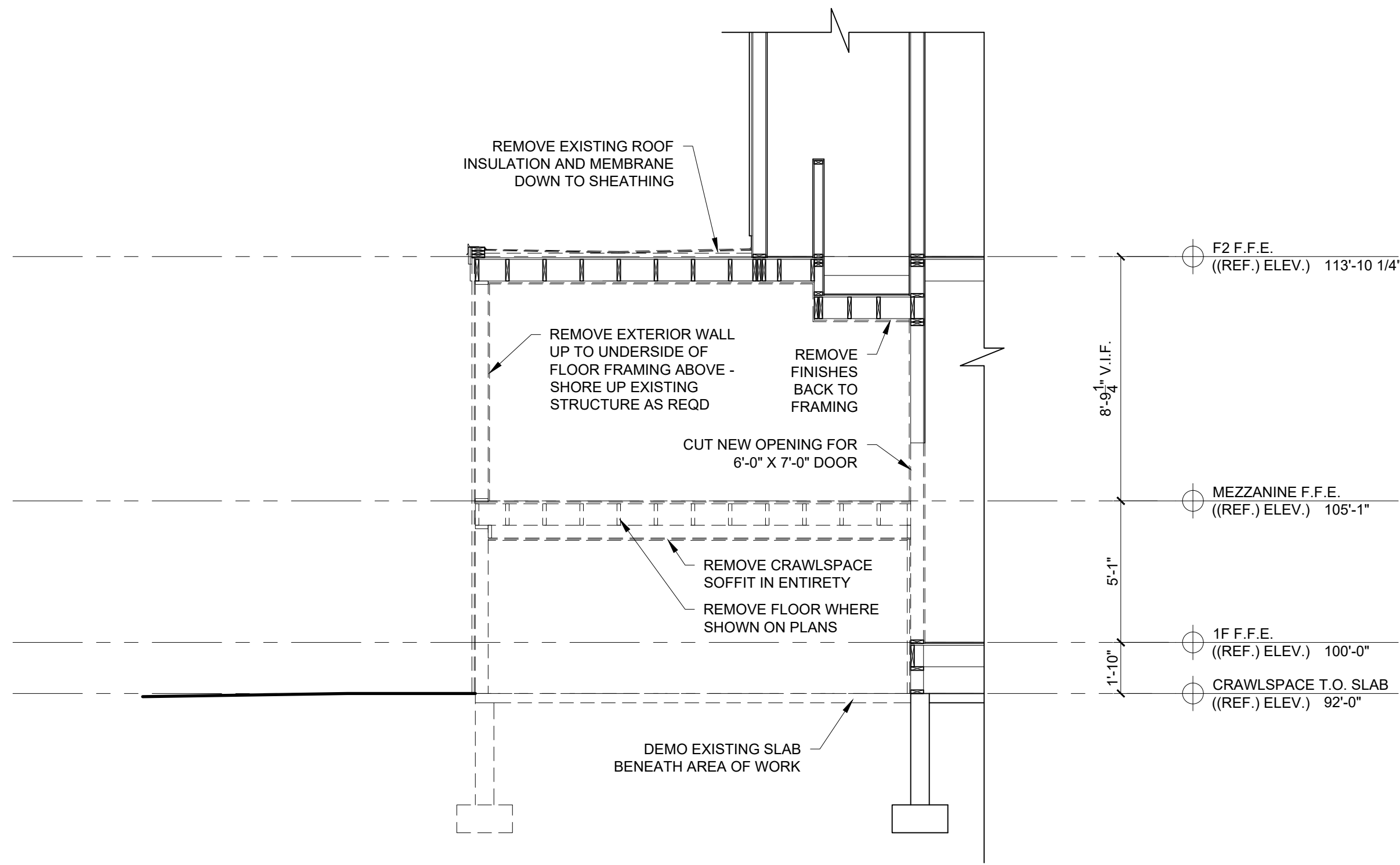
DRAWN BY: ES

CHECKED BY: RJS

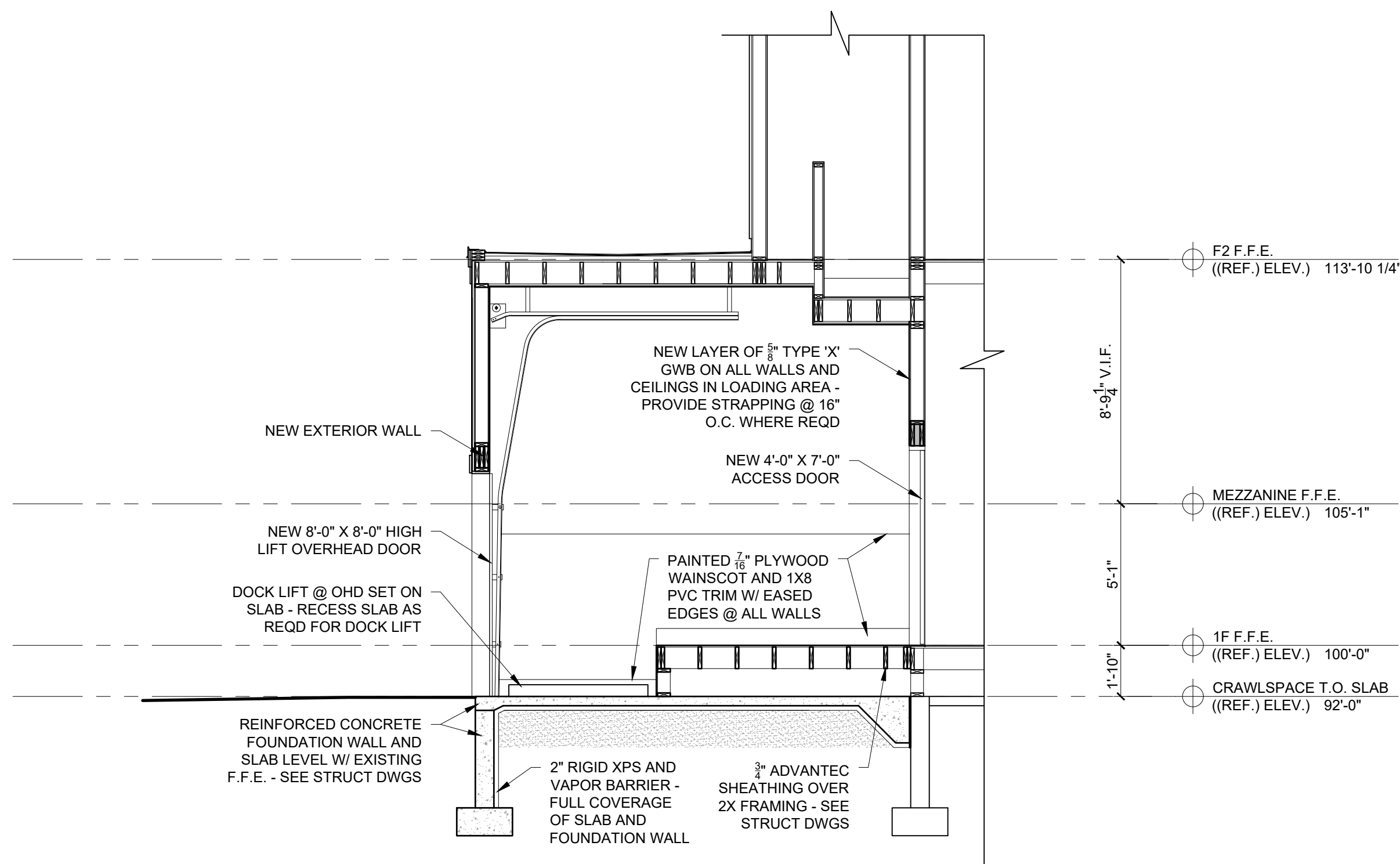
SCALE: AS NOTED

SHEET TITLE:
SECTIONS

A3-0



2 AREA OF WORK SECTION - DEMO
1/4" = 1'-0"



1 AREA OF WORK SECTION - PROPOSED
1/4" = 1'-0"

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ARCHITECTURE

MORNING GLORY
60 MAINE STREET
BRUNSWICK, MAINE

RSA

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senatorearchitecture.com

CONSULTANTS:

PROGRESS PRINT ONLY
Not for Construction
05-04-25

DATE:

PROJECT No. 2513

DRAWN BY: ES

CHECKED BY: RJS

SCALE: AS NOTED

SHEET TITLE:
SECTIONS

A3-1



NOTICE
This building is under
construction. No
occupancy allowed.
VIOLANCE
FURTHERANCE

MORNING GLORY
Natural Foods

Natural

11 GILMAN





Material Safety Data Sheet

Lifespan Primed Treated Wood Products

1. Product and Company Identification

Product Name

Lifespan Solid Select primed treated wood products.
Lifespan primed treated wood products.
LOSP Azole treated wood

Product Use

Primed, preservative treated timber products for use in above ground situations (AWPA UC3A), where insect and fungal decay resistance is required.

Manufacturer

Tenon Manufacturing Limited - A Tenon Group Company
199 Centennial Drive
Private Bag 2004
Taupo 3352
NEW ZEALAND

Telephone Number

+64 7 376 0005

Distribution and Sales

Fletcher Wood Solutions (Dba Taupo Wood Solutions)
99 Monroe Ave. NW, Suite 601
Grand Rapids, MI 49503

Telephone Number

1-866-372-9663

2. Composition/Information on Ingredients

Hazardous Ingredient	Percent	CAS #	Exposure Limits (mg/m ³)	Comments
Wood	>90%	Not Assigned	OSHA PEL-TWA 15.0 OSHA PEL-TWA 5.0 ACGIH TLV-TWA 1.0	Total Dust Respirable Dust Fraction Inhalable
Tebuconazole	>0.03%	107534-96-3	None	None
Propiconazole	>0.03%	60207-90-1	None	None
Permethrin	>0.02%	52645-53-1-5		
Vacsol WRX Conc	>0.6%	Not Assigned		
White Spirits	<6%	64742-82-1	Not Established TLV-TWA 100ppm	Suggested

This is the solvent level at completion of the treatment process, but reduces as the solvent evaporates during subsequent processing, handling and shipment.

Note

Bonded or laminated products may contain free formaldehyde in the timber (generated by the adhesive) but will be present in concentrations less than 0.1%.

3. Hazards Identification

Inhalation



Material Safety Data Sheet

Lifespan Primed Treated Wood Products

Wood dust and solvent vapours may cause irritation to nose, throat and lungs resulting in breathing difficulty. Inhalation of vapour can result in headaches, dizziness and possible nausea. Take care to avoid breathing any fumes from freshly treated timber

Eye Contact

Dust, gas and vapour may irritate the eye. Solvent vapours from freshly treated timber may cause irritation to the upper respiratory tract.

Skin Contact

Avoid skin contact with freshly treated timber as residual solvent and/or dust may cause mild dermatitis or skin sensitivity.

Ingestion

Unlikely to occur, however if swallowed abdominal discomfort and vomiting may occur.

Chronic Effects

Evidence indicates that repeated or prolonged exposure to solvent vapours could result in nervous system damage. Repeated or prolonged skin contact can cause severe dermatitis.

Repeated exposures over many years to uncontrolled dust, gas and vapours from these timbers may increase the risk of allergic dermatitis, asthma, or chronic nose or throat irritation in some people. The risk of nasal or paranasal sinus cancers may also be increased. If workplace practices noted in this MSDS are followed, no chronic health effects are anticipated.

4. First Aid Measures

Inhalation

Remove victim to fresh air. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a facemask. If breathing has stopped, apply artificial respiration at once. In event of cardiac arrest, apply cardio-pulmonary resuscitation (CPR) if trained. Seek medical advice.

Eye Contact

Irrigate with flowing water for 15 minutes. Seek medical assistance if effects persist.

Skin Contact

Wash contaminated skin with plenty of soap and water.

Ingestion

If conscious, give plenty of water to drink. Do NOT induce vomiting. Seek medical assistance. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs

First Aid Facilities

Safety shower, eyewash, CPR training, oxygen mask.

Advice to Doctor

Treat symptomatically

5. Fire Fighting Measures

Flash Point

NA

Flammable Limits

LFL = NA

UFL = NA

Flammability is the same as for other untreated wood products.

Extinguishing Media

Water, carbon dioxide, sand

Autoignition Temperature

Variable, typically 400-500°F (200-260°C).



Material Safety Data Sheet

Lifespan Primed Treated Wood Products

Special Firefighting Procedures
None.

Unusual Fire and Explosion Hazards
Depending on moisture content, and especially particle size, wood dust may explode in the presence of an ignition source. An airborne concentration of 40 grams dust per cubic meter of air is often used as the LEL for wood dusts.

6. Accidental Release Measures

Spill or Leak Procedures
Not Applicable

Waste Disposal
See Section 13

7. Handling and Storage

Precautions to be Taken in Handling and Storage

Avoid repeated or prolonged breathing of vapours and wood dust. Use in an area with sufficient natural or mechanical ventilation to avoid airborne exposure hazards. Local exhaust (extract) ventilation is the preferred method. In confined spaces, volatile solvent vapours are heavier than air - prevent concentration build-up in hollows or sumps. Do NOT enter confined spaces where vapour may have collected. Avoid eye contact and repeated or prolonged contact with the skin. Change protective clothing and gloves when signs of contamination occur. When storing product, the material should be kept off the ground. Store in a cool, dry place and away from heat, flames, sparks and other sources of ignition.

Special – Container Opening/Unloading

In the confined space of a shipping container, some remaining solvent could evaporate from the wood and collect to a noticeable degree. The following precautions should be taken when opening a container: Open the container in an exposed, elevated, non-enclosed area, open away from naked lights or flames, no smoking in the immediate vicinity, once opened leave doors open for 10 minutes to allow solvent vapours to disperse, store packs of timber so air can freely circulate and avoid solvent vapour build-up.

8. Exposure Controls/Personal Protection

Engineering Controls: Use in an area with sufficient natural or mechanical ventilation to avoid airborne exposure hazards. Local exhaust (extract) ventilation is the preferred method. In confined spaces, volatile solvent vapours are heavier than air – prevent concentration build-up in hollows or sumps. Do not enter confined spaces where vapour may have collected.

Personal Protective Equipment

Respiratory Protection

A NIOSH/MSHA approved dust respiratory is recommended when allowable exposures may be exceeded, especially when sawing or cutting. If risk of airborne solvent hazard exists from freshly treated timber, wear an organic vapour respirator to keep airborne mists and vapour concentrations below the exposure standards. [Note that an air purifying respirator does not provide protection in oxygen deficient atmospheres]. When using in poorly ventilated and confined spaces, use a fresh-air supplying respirator or a self-contained breathing apparatus. If using a respirator, ensure that the cartridges are correct for the potential air contamination and are in good working order.

Protective Gloves

Cloth, canvas, or leather gloves are recommended to minimise potential slivers or mechanical irritation from handling product.

Eye Protection

Goggles or safety glasses are recommended when machining this product and in areas with high dust levels.

Other Protective Clothing or Equipment

Protective clothing should be worn where prolonged skin contact may occur. Protective clothing should be laundered separately from household clothing and before reuse.

Personal Hygiene



Material Safety Data Sheet

Lifespan Primed Treated Wood Products

Wash hands thoroughly with soap and water before eating, drinking, using the bathroom, or using tobacco products and avoid direct hand to mouth contact with soiled hands.

9. Physical and Chemical Properties

Appearance

Products appear as standard primed solid wood.

Boiling Point

N/A

Flash Point

N/A

Vapour Pressure

N/A

Flammability Limits

N/A on dried timber

Specific Gravity

0.4 to 0.6 g/ml

Solubility in Water

Not soluble

Other Properties - pH

Not applicable

10. Stability and Reactivity

Stability

Stable

Conditions to Avoid

Avoid open flame. Product may ignite at temperatures exceeding 400°F (200°C).

Incompatibility

Avoid contact with oxidising agents.

Hazardous Decomposition or By-Products

Thermal decomposition can produce irritating and potentially toxic products including carbon monoxide, carbon dioxide, aliphatic aldehydes, resin acids, terpenes, and polycyclic aromatic hydrocarbons.

Hazardous Polymerization

Will not occur.

Sensitivity to Mechanical Impact

NA

Sensitivity to Static Discharge

NA

11. Toxicological Information

Toxicity Data

Non-available for product in purchased form.

Components - Individual component information is listed below if available:



Material Safety Data Sheet

Lifespan Primed Treated Wood Products

Wood Dust (softwood)

OSHA Hazard rating = 3.3; moderately toxic with probable oral lethal does to human. IARC has classified untreated wood dust as a Group 1 human carcinogen. The wood dust classification is based primarily on IARC's evaluation of increased risk in the occurrence of adenocarcinomas of the nasal cavities and paranasal sinuses associated with occupational exposures to untreated wood dust. The evaluation did not find sufficient evidence to associate cancers of the oropharynx, hypopharynx, lung, lymphatic and hematopoietic systems, stomach, colon, or rectum with exposure to wood dust.

Tebuconazole

Oral LD50 (bird, domestic): 1,000 mg/kg. Oral LD50 (rabbit): 1,000 mg/kg. Oral LD50 (rat): 3,352 mg/kg. Dermal LD50 (rat): 5,000 mg/kg. Tebuconazole is listed by the U.S. Environmental Protection Agency as a Group C – Possible Human Carcinogen.

Propiconazole

Oral LD50 (rat M&F): 660 mg/kg. Dermal LD50 (rat): >2,000 mg/kg. Eye irritation: irritating (rabbit). Skin irritation: non-irritating (rabbit). Sensitization: non sensitizing (guinea pig).

Permethrin

Oral LD50 (rat M&F): 430-4,000 mg/kg. Dermal LD50 (rat): >4,000 mg/kg. NOEL (dogs) 5mg/kg/day. Skin irritation: mild irritation (rabbit). Eye irritation: caused conjunctivitis (rabbit).

White Spirits

Oral LD50 (rat): >6,000 mg/kg. Dermal (rat): >2,000 mg/kg. Skin irritation: may cause slight irritation (rabbit). Eye irritation: may cause slight irritation (rabbit).

12. Ecological Information

No data available.

13. Disposal Considerations

Disposal Guidance

DO NOT BURN TREATED WOOD, Do not use chips or sawdust as mulch. Dispose of in accordance with local, state and federal regulations. Under RCRA it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets the RCRA criteria for hazardous waste. This product is typically not considered a hazardous waste but State run waste programmes may be more stringent. Check with your local or state regulators prior to disposal.

14. Transport Information

DOT Hazardous Material Classification

This material is not regulated as a hazardous material by the DOT.

15. Regulatory Information

OSHA (29 CFR 1910.1200)

This product is regulated under the Hazard Communication Standard.

RCRA (40 CFR 261)

DO NOT BURN TREATED WOOD, Do not use chips or sawdust as mulch. Dispose of in accordance with local, state and federal regulations. Under RCRA it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets the RCRA criteria for hazardous waste. This product is typically not considered a hazardous waste but State run waste programmes may be more stringent. Check with your local or state regulators prior to disposal.

16. Other Information

Date Prepared

July 31, 2013

Prepared by



Material Safety Data Sheet

Lifespan Primed Treated Wood Products

Tenon Manufacturing Limited, Technical Development Manager.

Users responsibility

The information contained in this Material Safety Data Sheet is based on the experience of occupational health and safety professionals and comes from sources believed to be accurate or otherwise technically correct. It is the users responsibility to determine if the product is suitable for the proposed application(s) and to follow necessary safety precautions. The user has the responsibility to make sure this sheet is the most up-to-date issue.

Definition of Common Terms

ACGIH	American Conference of Governmental Industrial Hygienists
C	Ceiling Limit
CAS#	Chemical Abstracts System Number
DOT	U. S. Department of Transportation
DSL	Domestic Substance List
EC50	Effective concentration that inhibits the endpoint to 50% of control population
EPA	U.S. Environmental Protection Agency
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Concentration in air resulting in death to 50% of experimental animals
LCLo	Lowest concentration in air resulting in death
LD50	Administered dose resulting in death to 50% of experimental animals
LDLo	Lowest dose resulting in death
LEL	Lower Explosive Limit
LFL	Lower Flammable Limit
MSHA	Mining Safety and Health Administration
NA	Not Applicable
NAV	Not Available
NIOSH	National Institute for Occupational Safety and Health
NOEL	No-observable Effect Level
NPRI	Canadian National Pollution Release Inventory
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
STEL	Short-Term Exposure Limit (15 minutes)
STP	Standard Temperature and Pressure
TCLo	Lowest concentration in air resulting in a toxic effect
TDG	Canadian Transportation of Dangerous Goods
TDLo	Lowest dose resulting in a toxic effect
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
TWA	Time-Weighted Average (8 hours)
UFL	Upper Flammable Limit
WHMIS	Workplace Hazardous Materials Information System

 primed pine spec sheet



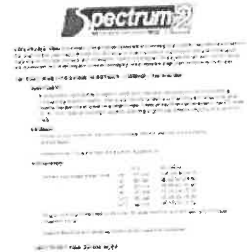
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✦ AI Overview

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Primed pine is pre-coated wood, typically pine, that has been factory-primed to provide a smooth, paint-ready surface. This process often involves multiple coats of primer, sometimes including an oil-based first coat and an acrylic latex top coat. Primed pine is commonly used for trim, furniture, and other interior applications where a smooth, paintable surface is desired. [ⓘ](#)



Key Features and Benefits:

Ready to Paint:

Primed pine eliminates the need for priming before painting, saving time and effort. [ⓘ](#)

Smooth Surface:

Multiple coats of primer create a smooth, even surface that is easy to paint and finish. [ⓘ](#)

Variety of Applications:

Primed pine is suitable for various applications, including trim, furniture, and paneling. [ⓘ](#)

Finger-Jointed Options:

Many primed pine products are finger-jointed, providing stability and allowing for longer lengths. [ⓘ](#)

Different Priming Methods:

Some products may use oil-based primers, while others use acrylic latex primers, offering different benefits. [ⓘ](#)

Exterior-Grade Options:

Some primed pine products are specifically designed for exterior use, often treated to resist rot, decay, and insects. [ⓘ](#)

Typical Specifications:

- **Species:** Typically Radiata Pine or Eastern White Pine. ⓘ
- **Priming:** Multiple coats of primer, often including an oil-based first coat and an acrylic latex top coat. ⓘ
- **Sanding:** May be sanded for a smooth, paint-ready surface. ⓘ
- **Finger-Jointing:** Some products are finger-jointed for enhanced stability and longer lengths. ⓘ
- **Trimming:** May be trimmed to remove defects, creating a higher-quality product. ⓘ
- **Sizes:** Available in various sizes, thicknesses, and lengths, depending on the product and manufacturer. ⓘ

Spectrum Eastern White Pine Primed Trim - Warren Trask Company

This material has been carefully selected to eliminate defects often found in common pine. * PRIMER. • Binned all four sides for ...

🌲 Warren Trask Company ⋮



ADVANTAGE PLUS - Kelleher Corporation

Advantage Plus™ Trim boards are S3S (surfaced three sides) and E2E (eased two edges) for a superb look. Trim boards are available ...

🏢 Kelleher Corporation ⋮



Primed Radiata Pine Boards - Forest Products Supply

Our clear primed finger-jointed radiata pine boards come from a state-of-the-art mill in Chile. They are manufactured using some o...

🌐 Forest Products Supply ⋮

Show all

Generative AI is experimental.



porta.com.au

<https://www.porta.com.au/uploads/2022/11>

Product Spec PINE FJ & Primed 150x150x6000 - Porta Timber

Taeda Pine is a soft and low density timber that is easy to work and holds nails and screws easily. Certification. Resistance to Split (Nailing). Resistance to ...

Genuine
Wood siding

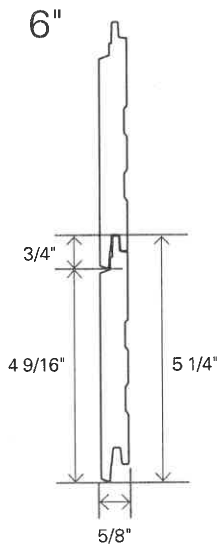


Contemporary

TEXTURED FINISH

MAIBEC URBahn® BRUSHED-FACE FINISH

MAIBEC EM+® INSTALLATION SYSTEM



NOMINAL DIMENSION	INSTALLATION SYSTEM	FINISH	ACTUAL DIMENSIONS	EXPOSED SURFACE	OVERLAP	INSTALLATION
6"	Maibec em+®	Textured and Maibec URBahn® brushed-face	5/8" x 5 1/4"	4 9/16"	3/4"	Horizontally and vertically**

General Specifications

SPECIES

- Spruce - Fir (SPF) / Sound tight knot

MANUFACTURING

- Kiln-dried (KD) between 12% to 16% humidity

PACKAGING

- 4' to 16' random lengths in bundles

AVAILABLE COLOURS

Textured finish

- Maibec Natural tones

Maibec URBahn® brushed-face finish

- Maibec Natural tones

FACTORY-STAINING

- Siding is factory-coated on all six sides in a controlled environment for maximum stain absorption and retention. This also provides increased protection from the damaging effects of the sun and the elements.
- Low-volatile organic compounds (VOCs) water-based stains

For exterior use only.

* SEE THE CALCULATION METHOD UNDER THE SUPPORT TAB MAIBEC.COM

** THIS PROFILE CAN BE INSTALLED HORIZONTALLY, VERTICALLY OR DIAGONALLY. HOWEVER, VERTICAL AND DIAGONAL INSTALLATIONS MAY RESULT IN MORE VISIBLE STAPLES THAN A HORIZONTAL INSTALLATION.

Contemporary

Preparing the Wall for Installation

Siding must be installed over a standard maximum 16" on centre stud built wall with OSB (oriented strand board) sheathing or plywood, and an approved water-resistive barrier. The final step in preparing the wall for siding is to nail furring strips vertically into the studs according to all applicable building codes and the Maibec installation requirements. When used in combination with ventilation and drainage accessories, these

furring strips create a continuous air gap between the siding and the water-resistive barrier.

For details, see the Maibec em+® Siding Installation Guide at maibec.com under the SUPPORT tab.

Installation Systems

STAPLES (FOR MAIBEC EM+® INSTALLATION SYSTEM)

- The siding is fastened to the wall using 2", 7/16" crown, 16 gauge, resin-coated stainless steel SUS 304 staples. The list of recommended pneumatic staplers is available on our website at maibec.com under the SUPPORT tab.
- 3,000 staples (1 box) needed per 750 sq. ft. Order also 1 lb of 2" nails per 1,000 sq. ft. to nail the starter course, top of walls, top and bottom of windows, etc.

Maibec strongly recommends using the Maibec em+® stapler guide* which simplifies and speeds up the installation of Maibec em+® siding.

* AVAILABLE THROUGH YOU MAIBEC RETAILER. DO NOT FORGET TO ADD IT TO YOUR SIDING ORDER.

Recommended pneumatic staplers compatible with the Maibec em+® stapler guide:

- HITACHI™** (N5008 AC 1" and AC 2")
- MAKITA™** (AT1150A)
- SENCO™** (SNS41) and discontinued models (SNS50XP, SNS45XP, SNS44XP)

** THE MENTIONED TRADEMARKS ARE THE PROPERTY OF THEIR RESPECTIVE OWNERS.

Complementary accessories

VENTILATION AND DRAINAGE ACCESSORIES

Maibec ventilated strips feature a perforated 50% open pattern and adapt to all types of installations where ventilation and drainage are required. They also prevent rodents and certain insects from infiltrating behind the wall. Whether you're All our ventilated products comply with our installation requirements and will help to ensure the optimal performance of your Maibec products.

METAL CORNERS

With their sleek design, our inside and outside corners are the perfect finishing touch for the Maibec URBÄHN® Series. 10' lengths.

WARRANTY* – SIDING TEXTURED FACE



WARRANTY* – SIDING BRUSHED FACE / MAIBEC URBÄHN®



* SOME RESTRICTIONS APPLY. SEE DETAILED WARRANTIES.

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cedar clapboard siding msds



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Tools



Weyerhaeuser

<http://www.woodbywy.com> › SDS › SDS7797257

Material Safety Data Sheet DIMENSIONAL LUMBER CEDAR

Nov 25, 2009 — Exposure to **wood** dust may cause eye, nose and throat irritation. POTENTIAL HEALTH

HAZARDS: ACUTE. INHALATION: The primary health hazard posed ...

6 pages

Missing: ~~clapboard~~ | Show results with: clapboard




AI Overview



+3




A Safety Data Sheet (SDS) for cedar clapboard siding, also known as bevel siding or lap siding, focuses on safety precautions during handling, storage, and use of the material. It emphasizes the need to avoid dust inhalation and skin contact, and provides guidance on first aid measures if exposure occurs. 


Here's a more detailed breakdown:

Safety Precautions:


Dust Inhalation:

Wood dust can cause respiratory irritation and allergic reactions. Always wear respiratory protection (like a dust mask) when cutting or sanding cedar clapboard. 


Skin Contact:

Cedar dust can cause skin irritation or allergic dermatitis. Wear gloves and avoid prolonged skin contact with the wood and dust. 


Eye Contact:

Wood dust can cause mechanical irritation and foreign object sensation in the eye. Flush eyes with water if dust gets in. 

Storage and Handling:

Store cedar clapboard in a cool, dry, well-ventilated area. Avoid stacking it too high and prevent it from getting wet, which can lead to mold and rot. 

Work Practices:

Avoid dusty conditions and provide good ventilation. Wash hands thoroughly after handling. 

First Aid Measures:

Inhalation:

Move to fresh air. If irritation persists or you have difficulty breathing, seek medical attention.


Eye Contact:

Flush eyes with large amounts of water for at least 15 minutes, and seek medical attention if irritation persists.

Skin Contact:

Wash exposed skin with soap and water. If irritation or a rash develops, seek medical attention.

Ingestion:

Ingestion is unlikely under normal use, but if it occurs, seek immediate medical attention. 

#1 Home Improvement Retailer



Topsham SPM

04086

W.



Topsham SPM

04086

Shop All Services

DIY

Home / Doors & Windows / Garage Doors and Parts / Garage Doors

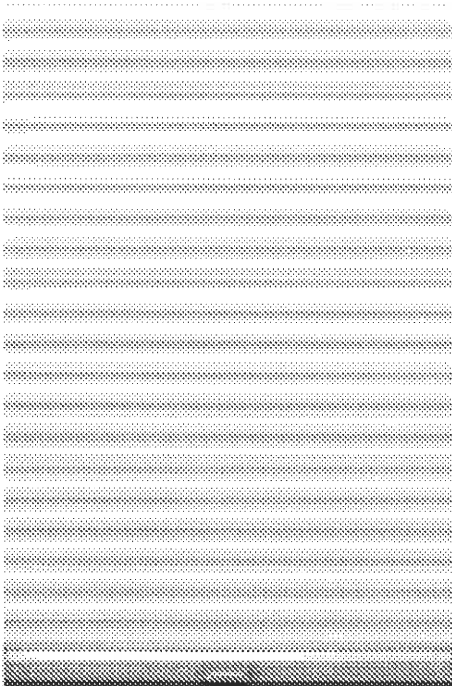
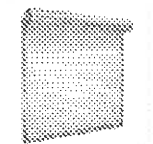
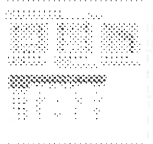
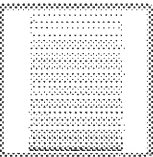
Internet # 333647407 Model # RU47GW

New



Clopay
4ft x 7ft Non-Insulated Glossy White Roll-Up
Garage Door without windows

★★★★★ (3) Questions & Answers (34)



Magic Apron ^{Beta}



AI-generated responses. [More information](#)

Hi! Need help with a product, project, or question? I'm here to assist. What can I help you with today?

What are the key features?

What is the warranty on this item?

What are the top uses for this product?

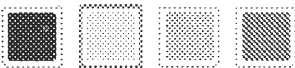
[Share](#) [Print](#)**\$525⁰⁰**

Pay **\$475.00** after **\$50 OFF** your total qualifying purchase upon opening a new card.

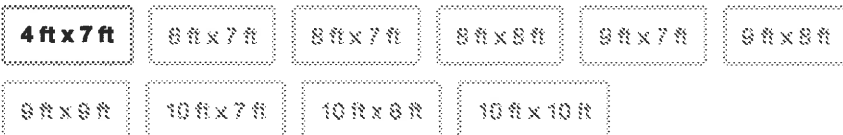
[Apply for a Home Depot Consumer Card](#)

- Roll-up sheet doors are ideal for self-storage facilities
- Easy installation, low maintenance and long lasting finish
- [View More Details](#)

Garage Door Color: **Glossy White**



Garage Door Size: **4 ft x 7 ft**



Pickup at [Topsham](#)

Delivering to [04086](#)

Ship to Store

Jun 19 - Jun 24

484 available

FREE

Delivery

Unavailable



Have Questions? We're Here to Help.

Speak to a Virtual Associate about Doors or Windows today.

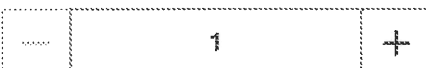
Monday - Friday from 9AM - 11PM ET &

Saturday - Sunday from 9AM - 9PM ET.

☐ [Request Appointment](#)

[① What to Expect](#)

Or call 1-833-HD-APRON(1-833-432-7766)



ruyru

[Ask a question](#)



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New



Clopay
4ft x 7ft Non-
Insulated
Glossy White
Roll-Up Garage
Door without...

★★★★★ (5 / 3)

\$525⁰⁰☒ Select

E900
HARDWARE
SSL-1P Garage
Door Security
Slide-Bolt Lock

★★★★★ (4.7 / 31)

\$17⁹⁸

< 1/1 >

Subtotal: **\$542⁹⁸**

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Get an
immediate
answer
with AI

Type a question

Get an
Answer

AI generated from the text of manufacturer
documentation. To verify or get additional information,
please contact The Home Depot customer service.

Product Details

About This Product

Clopay Roll-Up Sheet Doors are low maintenance, have a long-lasting finish and are designed for easy installation. Roll-up sheet doors are ideal for mini warehouses and self-storage facilities with the goal of added security. Constructed from 26ga by 24 in wide sheets of steel roll formed with integral grooves that are hemmed together to form a continuous sheet guided vertically by roll formed guides.

Highlights

- 26 gauge hot-dipped galvanized steel curtain with a baked-on silicone polyester top coat
- Roll-formed guides of hot-dipped galvanized 18ga. steel
- Self-lubricating wearstrips on curtain prevent metal-to-metal contact and muffle door noise
- Curtains are prepainted inside and out to inhibit rust. Hot-dipped, galvanized steel is painted with primer and given a tough oven-baked silicone polyester top coat, to provide the most rust-resistant steel door available
- Heavy-duty bottom bar withstands the external elements
- Full bulb-type bottom weatherstrip ensures proper fit along irregular floors
- Curtain is galvanized and prepainted with long-lasting silicone polyester paint
- Includes mini latch standard zinc plated steel cover, latch accepts all industry padlocks
- [Return Policy](#)

Product Information

Internet # 333647407

Model # RU47GW

Additional Resources

[Shop All Clopay](#)

From the Manufacturer

- [Product Image Content](#)
- [Replacement Part List](#)
- [Instructions / Assembly](#)
- [Warranty](#)
- [Installation Guide](#)
- [Return Policy](#)

Specifications

Dimensions: H 84 in, W 48 in, D 1 in



Dimensions

Garage Door Size	4 ft x 7 ft
Product Depth (in.)	1 in
Product Height (in.)	84 in
Product Width (in.)	48 in

Details

Color Family	White
Door Configuration	Single Door
Features	Paintable, Rust-Proof
Garage Door Collection	Roll-Up
Garage Door Color	Glossy White
Garage Door Style	Classic
Included	Hardware, Instructions
Insulation R-Value	0
Material	Steel
Product Type	Without Windows
Product Weight (lb.)	108 lb
Returnable	90-Day
WindCode Rating	No WindCode Rating

Warranty / Certifications

Manufacturer Warranty	3 Year on Construction
-----------------------	------------------------

[How can we improve our product information? Provide feedback.](#)

Questions & Answers

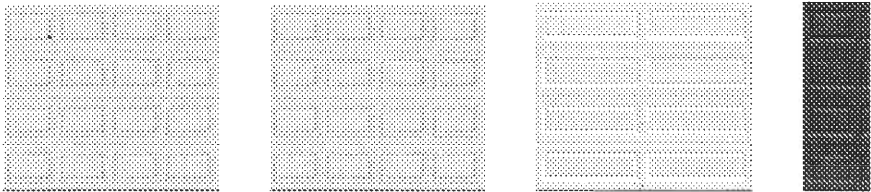
34 Questions

Customer Reviews

5 out of 5 ★★★★★ (3)

Customers Also Viewed

Best Seller



- Clopay**
Classic Steel Short
Panel 8 ft x 7 ft Non-
Insulated White
Garage Door without
Windows

★★★★☆ (4.1 / 363)

\$408⁰⁰

Add to Cart
- Clopay**
Classic Steel Short
Panel 9 ft x 7 ft Non-
Insulated White
Garage Door without
Windows

★★★★☆ (4.1 / 343)

\$458⁰⁰

Add to Cart
- Clopay**
Classic Steel Long
Panel 9ft x 7ft Non-
Insulated White
Garage Door without
windows

★★★★☆ (4.8 / 82)

\$666⁰⁰

Add to Cart
- Clopay**
Classic
Panel (10 ft x 7 ft)
Insulated
Value View
Walnut

★★★★☆ (4.5 / 10)

\$1,400⁰⁰


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All Items Garage Doors Garage Door Hardware

- New




Clopay
Roll-Up Collection 6
ft. x 7 ft. Non-
Insulated Glossy
White Garage Door
without Windows

★★★★☆ (5 / 5)

\$634⁰⁰

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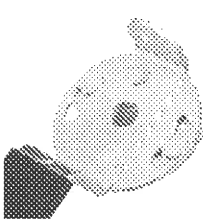


Clopay
Synthetic Pro Lube
for Garage Doors

★★★★☆ (4.1 / 1523)

\$7⁹⁹

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- Best Seller

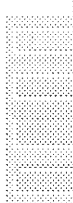


Clopay
Garage Door Keyed
Lock Set

★★★★☆ (4 / 291)

\$32⁹⁹

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- ♡



Clopay
Classic
Panel (10 ft x 7 ft)
Insulated
Garage
door
without
windows

★★★★☆ (4.5 / 10)

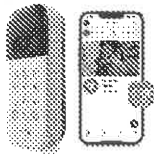
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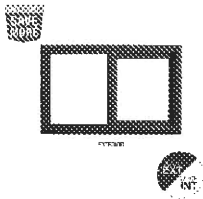


Chamberlain
myQ Smart Wireless
Garage Door Video...

★★★★★ (3.2 / 572)

\$99⁹⁹

Add to Cart



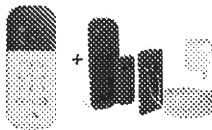
Ply Gem
59.5 in. x 35.5 in.
Select Series Vinyl...

★★★★★ (2 / 2)

\$638⁰⁰

Buy More, Save More
[See Details](#)

Add to Cart



Chamberlain
myQ Smart Video
Garage Door Keyp...

★★★★★ (5 / 1)

\$138⁰⁰

Add to Cart



Chamb
myQ Sr
Garage

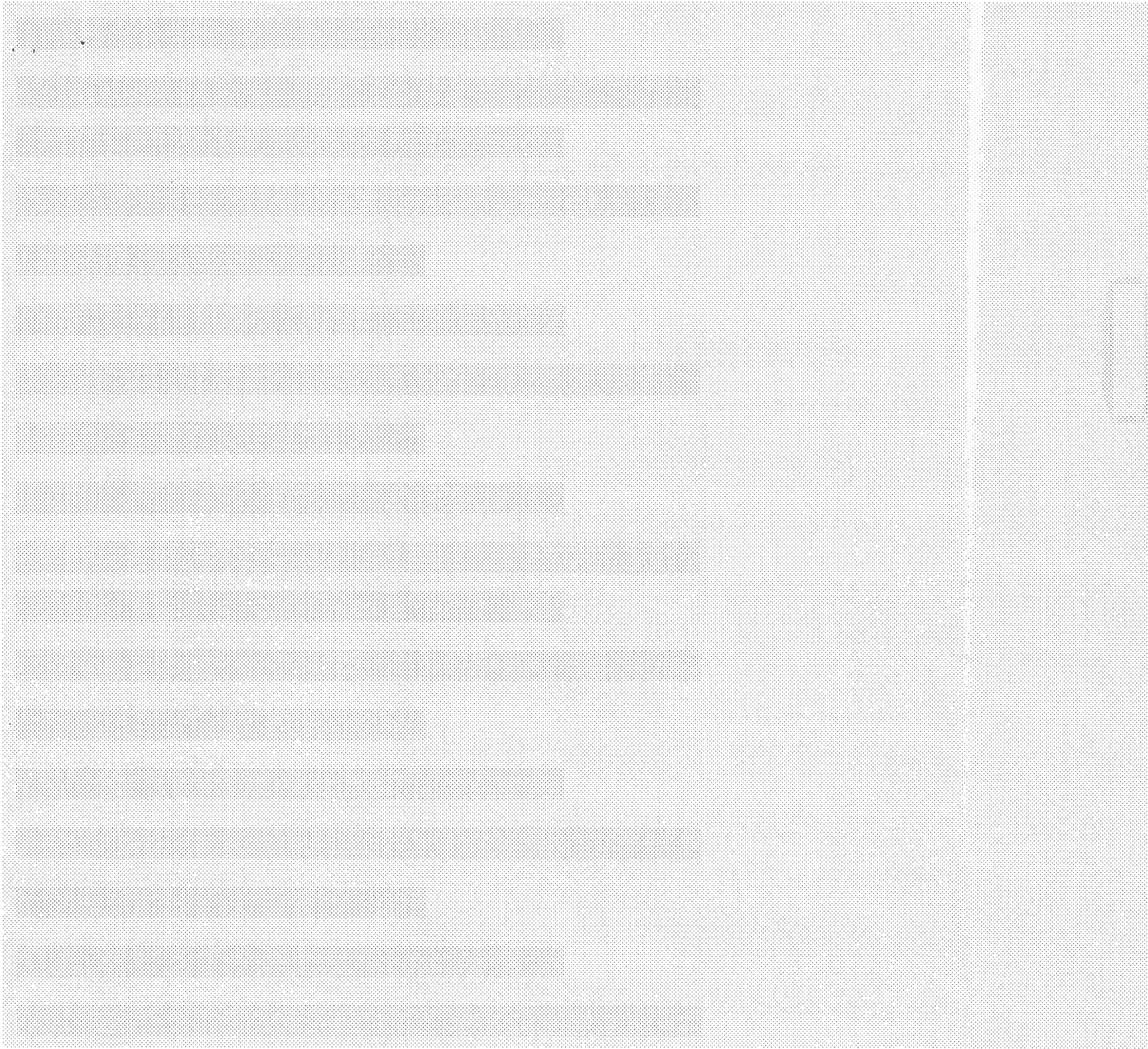
★★★★

\$93⁹⁹

Was \$1
Save \$1

Ad

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primed cedar clapboard siding spec s



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✦ AI Overview

Learn more

Primed cedar clapboard siding spec sheets **typically detail material properties, sizes, grades, and installation guidelines**. They often include information on wood species, thickness, width, length, and whether the siding is finger-jointed or clear vertical grain. The specs may also cover priming methods (e.g., oil-primed), recommended nail types and lengths, and details on overlap for water-shedding. [🔗](#)

Here's a more detailed look at what you might find in a spec sheet:

Material Properties:

Wood Species:

Western Red Cedar is a common choice for its durability and resistance to rot and decay. [🔗](#)

Grades:

Grades can range from Clear Vertical Grain (CVG) for a knot-free appearance to Select Knotty for a rustic look. [🔗](#)

Seasoning:

Kiln-dried (KD) cedar is preferred to ensure moisture levels are optimal before installation. [🔗](#)

Sizes and Dimensions:

- **Thickness:** Commonly $\frac{1}{2}$ inch, $\frac{3}{4}$ inch, and $1\frac{1}{16}$ inch. [🔗](#)
- **Width:** Typically 6 inches, 8 inches, and 10 inches. [🔗](#)
- **Length:** Often 16 feet, but can vary with finger-jointed options. [🔗](#)

Priming:

- **Type:** Oil-primed or water-based primer is common. [🔗](#)
- **Purpose:** Priming helps protect the cedar and provides a better base for paint or stain. [🔗](#)

HISTORIC PRESERVATION SURVEY

Cumberland Brunswick 60-68 Maine
 County City/Town Street Address and Number
 Name of Building/site: historic: Arcade Block, or Stetson's Arcade
 common: (Gosselin's/Gimbel's);Drapeau's Pharmacy
 Common and/or Historic

PLACE
PHOTO
HERE

Approximate Date: 1857 Style: high Italianate

Type of Structure:

☐ Residential ☒ Commercial ☐ Industrial ☐ Other:

Condition: ☐ Good ☐ Fair ☐ Poor

Endangered: ☐ No ☐ Yes

Surveyor: J. Goff Organization: Pejepscot Regional survey

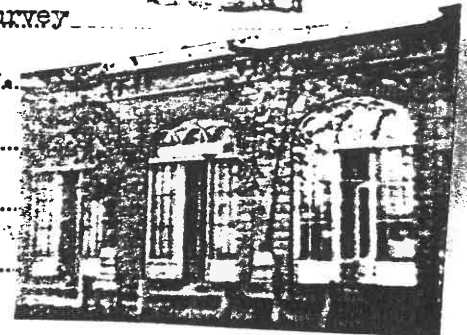
Rating: National Register quality if restored properly.

Historic Significance to the Community:

(For Additional Information — Use Reverse Side)



photo taken
between
1861-1865



60-68 MAINE

Title:

Maps: 1871: four units indicated; southernmost (#1) = H. Stetson; (#2) = I. Plummer.
 1910: #64/66/68 = H. Stetson Est.; #60/62 = G. Drapeau, I.P. Booker.

Newspaper: Telegraph 6/26/1857 p. 2: "The builders and owners are Mr. Samuel Webb, and Mr. Harvey Stetson, each building two stores.--The block, as most of our readers know, is located on Main street just north of the Baptist church... The stores, four in number, are 70 by 23 feet on the ground, and 12 feet high in the studs, except the one occupied by Mr. Stetson which is less in order to get a better chamber. All have attics or chambers and excellent cellars, and back entrances. The stores are finished alike, plastered, and stuccoed,--three being painted on the inside, white, and one green./* Counters, shelves, drawers &c, are arranged along the sides, leaving an open area in the centre, sufficiently commodious for all prospective business of the town. The outside of the block is painted a dark brown, the front being sanded to imitate freestone, and the window frames and door posts to imitate marble. The window frames are large, 10 by 5½ ft and glazed with fine large glass. The whole appearance of the block is neat, and it certainly is a vast improvement over the structures ordinarily put up for stores in our country villages."

*Telegraph 7/3/57 p. 2: "...not painted green...It is grained however..."

(6/26/57 article also describes interior and first tenants of the four stores.)

Photographs: ca. 1865? view showing each of four storefronts.

pre-1890 view showing alteration of store #1--original arched entrance existing simultaneously with surviving chamber window.

1898 view showing arched entrances removed; appearance resembles present.

Misc.: Tel. 6/13/1873 p. 2 re 3-story add.; Tel. 4/19/1878 p. 3 re Odd Fellows Hall in Arcade Bldg

Julie Erdman

From: Toby Tarpinian <toby.tarpinian@gmail.com>
Sent: Thursday, May 15, 2025 11:58 AM
To: Julie Erdman
Subject: Re: VRB
Attachments: MORNING GLORY 050925516.pdf

Hey Julie,

Sorry for the confusion, I was waiting for new plan drawings. Attached is the updated version of the loading dock. The maibec genuine wood siding will be painted to match and will cover the structure. The lifespan product is what the trim and the part of the structure from the concrete to the siding will be made with. I don't have the spec sheets in front of me but I think that should answer your questions. Let me know what you think, I'm happy to stop by your office to discuss.

Thanks,
Toby

On May 14, 2025, at 4:47 PM, Julie Erdman <jerdman@brunswickme.gov> wrote:

Hey Toby,

I am writing up findings for your Village Review Board application and I had a couple of questions. The elevation drawings indicate that you will be using fiber cement siding on the new section and painting it to match but I didn't see any specs for that type of siding. Are you using the Lifespan product for the siding? There is also info provided on Maibec genuine wood siding. Please confirm what you will be using for the siding and the trim.
Thanks!

Julie

Julie Erdman
Director
Planning and Development
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<image001.png>
85 Union Street
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<image002.jpg>

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