

# LANDMARKS COMMISSION APPLICATION

LC

Complete all sections of this application, making sure to note the requirements on the accompanying checklist (reverse).

*If you need an interpreter, translator, materials in alternate formats or other accommodations to access these forms, please call (608) 266-4635*

City of Madison  
Planning Division  
215 Martin Luther King Jr Blvd, Ste 017  
PO Box 2985  
Madison, WI 53701-2985  
(608) 266-4635



## 1. LOCATION

Project Address: \_\_\_\_\_ Alder District: \_\_\_\_\_

## 2. PROJECT

Project Title/Description: \_\_\_\_\_

This is an application for: *(check all that apply)*

- New Construction/Alteration/Addition in a Local Historic District or Designated Landmark** *(specify):*
  - Mansion Hill       Third Lake Ridge       First Settlement
  - University Heights       Marquette Bungalows       Landmark
- Land Division/Combination in a Local Historic District or to Designated Landmark Site** *(specify):*
  - Mansion Hill       Third Lake Ridge       First Settlement
  - University Heights       Marquette Bungalows       Landmark
- Demolition**
- Development adjacent to a Designated Landmark**
- Variance from the Historic Preservation Ordinance (Chapter 41)**
- Landmark Nomination/Rescission or Historic District Nomination/Amendment**  
*(Please contact the Historic Preservation Planner for specific Submission Requirements.)*
- Informational Presentation**
- Other** *(specify):*

DPCED USE ONLY	Registrar #:
	<b>DATE STAMP</b> <b>RECEIVED</b>  6/4/23 10:13 pm

## 3. APPLICANT

Applicant's Name: \_\_\_\_\_ Company: \_\_\_\_\_

Address: \_\_\_\_\_  
Street City State Zip

Telephone: \_\_\_\_\_ Email: \_\_\_\_\_

Property Owner *(if not applicant)*: \_\_\_\_\_

Address: \_\_\_\_\_  
Street City State Zip

Property Owner's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

NOTICE REGARDING LOBBYING ORDINANCE: If you are seeking approval of a development that has over 40,000 square feet of non-residential space, or a residential development of over 10 dwelling units, or if you are seeking assistance from the City with a value of \$10,000 (including grants, loans, TIF or similar assistance), then you likely are subject to Madison's lobbying ordinance (Sec. 2.40, MGO). You are required to register and report your lobbying. Please consult the City Clerk's Office for more information. Failure to comply with the lobbying ordinance may result in fines.

## 4. APPLICATION SUBMISSION REQUIREMENTS *(see checklist on reverse)*

All applications must be filed by 12:00pm on the submission date with the Preservation Planner. Applications submitted after the submission date or incomplete applications will be postponed to the next scheduled filing time. Submission deadlines can be viewed here: [https://www.cityofmadison.com/dpced/planning/documents/LC\\_Meeting\\_Schedule\\_Dates.pdf](https://www.cityofmadison.com/dpced/planning/documents/LC_Meeting_Schedule_Dates.pdf)

To: Landmarks Commission, Madison, WI

From: Andrew Rubsam

Re: Dormer addition approval – 710 Orton Court, Madison, WI 53703

I am the co-owner of 710 Orton Court, Madison, WI 53703, a single-family home in the Third Lake Ridge Historic District. This is my letter of intent regarding my proposed project to add a dormer to the rear side of our home.

The home is a 3-story building that was constructed in 1914. The first floor consists of a living room, dining room, kitchen, and half bathroom. The first-floor half bathroom appears to be an addition by a prior owner. The second floor consists of three bedrooms, a full bathroom, and a small storage room. The small storage room leads outside to an upstairs balcony on the rear of the house that is above the first-floor half bathroom. The third story is an unfinished attic. The current architectural drawings of the home are attached as **Exhibit A**.

The house roof is currently covered with asphalt shingles. The home currently has a 100-amp above-ground electrical service and has a mix of knob and tube wiring and modern wiring. All the windows on the house were replaced by a prior owner on an unknown date, except the four front porch windows, which appear to be original. The current windows, including the original front porch windows, have a white exterior. All but two of the windows on the first and second floor are double-hung windows. A prior owner added vinyl siding to the home on an unknown date, but cedar siding is underneath the vinyl siding. I have not been able to confirm whether the cedar siding under the vinyl siding is the home's original siding.

My proposed plan is to do the following:

1. Upgrade the electrical service to the home to 200-amp above-ground service and abate any remaining knob and tube wiring in the home with modern wiring.

2. Re-roof/re-shingle the front roof of the home (the top-level front roof and the front porch roof) with asphalt shingles that are of a similar (or same) color, shape, and style to the existing asphalt shingles.
3. Add a roof dormer to the rear of the home that is roofed with asphalt shingles that are of a similar (or same) color, shape, and style to the existing asphalt shingles. The architectural drawings for the proposed changes are attached as **Exhibit B**.
4. Re-roof/re-shingle the part of the rear roof that will not be removed to create the dormer with asphalt shingles that are of a similar (or same) color, shape, and style to the existing asphalt shingles.

This project will result in the attic being a finished living space. The attic interior will include a bathroom and loft area. The dormer will not be visible from the developed public right-of-way because the dormer will run along the back plane of the roof. The ridge line of the dormer will not extend above the ridge line of the main roof and will not extend beyond the face of the main structure wall below.

The attic space will be heated and cooled by a Mitsubishi Electric heat pump unit, which will be installed outside the home together with an interior wall-mounted unit. The Mitsubishi Electric product flyer is included with this application as **Exhibit C**.

The exterior of the dormer will be sided with Diamond Kote lap siding. The siding will be smooth without a faux woodgrain. The profile of the siding will likely be 8” class lap siding, which is the approximate profile size of the current vinyl siding and may be the lap profile size of the original cedar siding underneath the vinyl siding.<sup>1</sup> However, if the cedar siding underneath the vinyl siding is not 8” profile, then the Diamond Kote lap siding will be installed

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<sup>1</sup> Note that the side view plans indicate that the siding on the dormer will match the existing house. This references the lap profile size, not the material.

to be a closer match to the profile of the original cedar siding. Eventually, the vinyl siding will be removed and I intend to re-side the rest of the house with Diamond Kote lap siding with a profile that matches the cedar siding. The manufacturer's product [flyer](#) is included with this application as **Exhibit D**.

The two windows along the back of the dormer will be [Andersen 400 Series Woodwright Double-Hung windows](#) with a white exterior. The new double-hung windows will have similar dimensions, operation, components, and finish as the historic windows of the home. The current attic windows on each side of the home will be Andersen 400 Series Awning windows with a white exterior. The manufacturer's flyer for the 400 Series windows is available at [https://aw930cdnprcd.azureedge.net/-/media/aw/files/brochures/1903\\_400series\\_pg\\_lr-compressed-22.pdf](https://aw930cdnprcd.azureedge.net/-/media/aw/files/brochures/1903_400series_pg_lr-compressed-22.pdf).<sup>2</sup> Two skylight windows will be added to the rear roof – one on each side of the roof of the dormer.

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<sup>2</sup> The flyer is more than 20 megabytes so it could not be separately included with this submission.

710 Orton Court – subject property

Front



Northwest side



Front and southeast side



Rear



**Properties 200 feet from 710 Orton Court**

711-713 Orton Court (left) and 717 Orton Court (right)



711-713 Orton Court



709 Orton Court

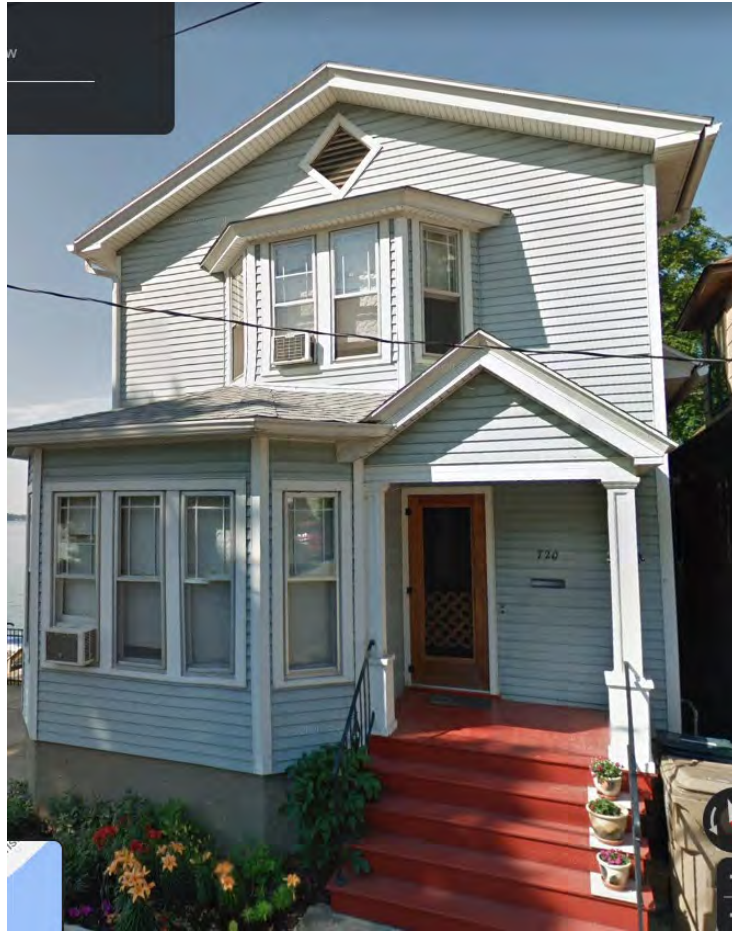


705 Orton Court





720 Orton Court



716 Orton Court



View of rear of 1227 Rutledge Street (right) and side roof of 1225 Rutledge Street (left)



View of rear of 1225 Rutledge from rear of subject property



View of rear of 1213-1221 Rutledge Street from rear of subject property



View of parking lot of 1219 Rutledge Street from rear of subject property



View of 1211 and 1219 Rutledge Street from rear of subject property



View of 1219 Rutledge Street (right) and rear of 716 Orton Court (center left) from rear of subject property (white)



1226, 1232, and 1238 Rutledge Street (left, center, right)



1227 Rutledge (left) and 1225 Rutledge (right)



1225 Rutledge Street (left), 1221 Rutledge Street (center), 1213-127 Rutledge Street (right)



802 South Baldwin



Morrison Court



1252 Morrison Court



706 South Baldwin Street



1251 Rutledge (left) and 1245 Rutledge (right)



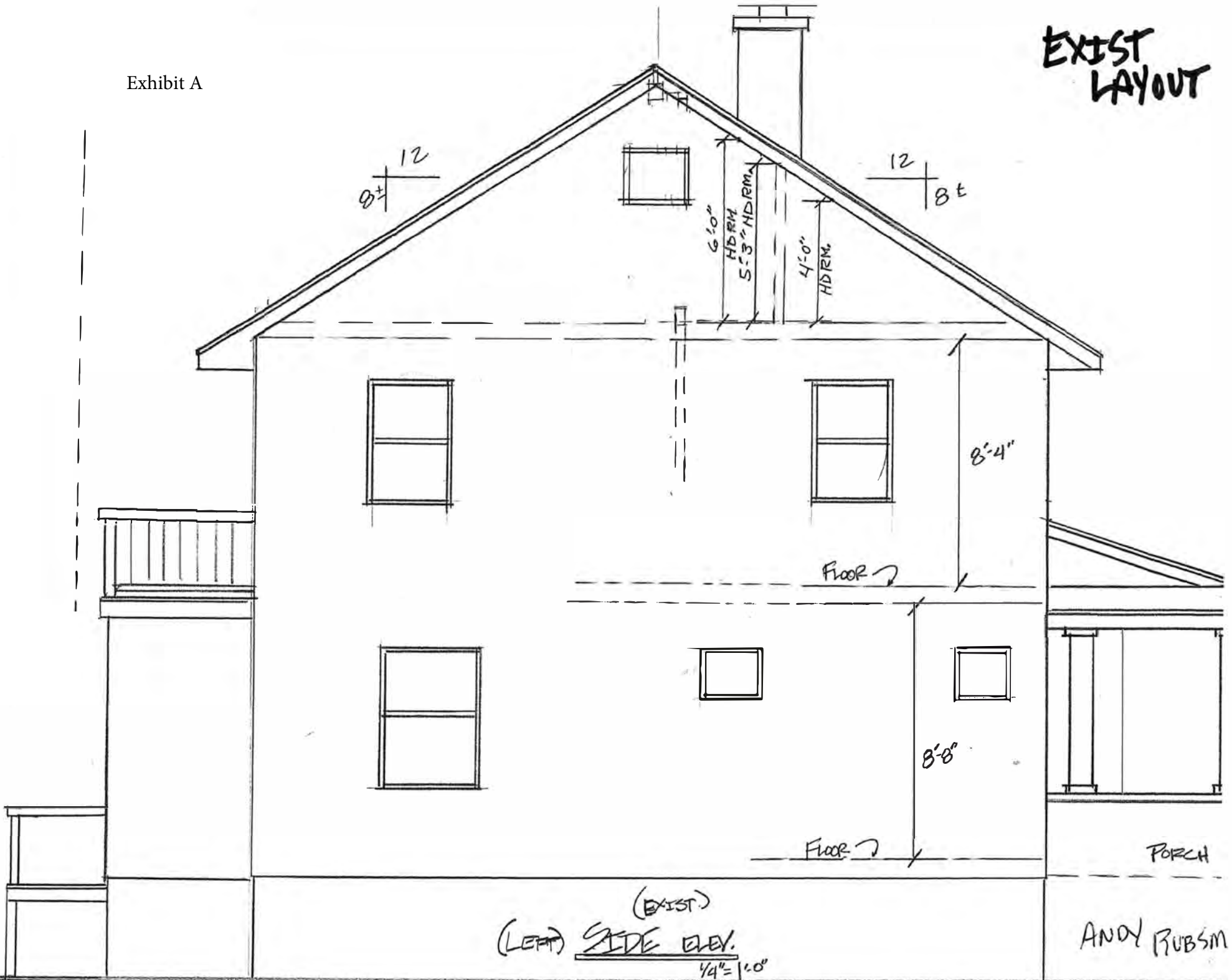


1237 Rutledge (left), 1227 Rutledge (right)

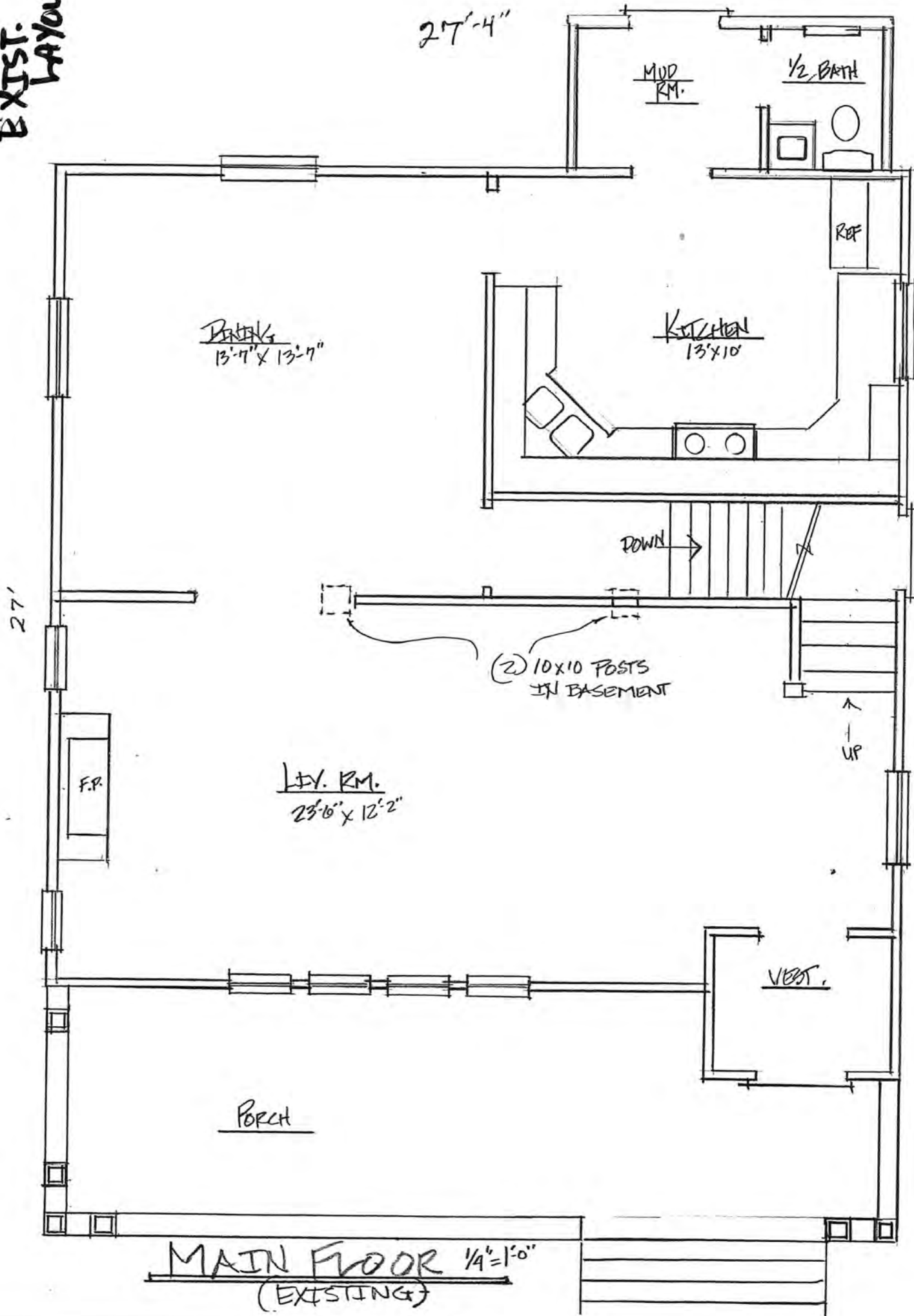


Exhibit A

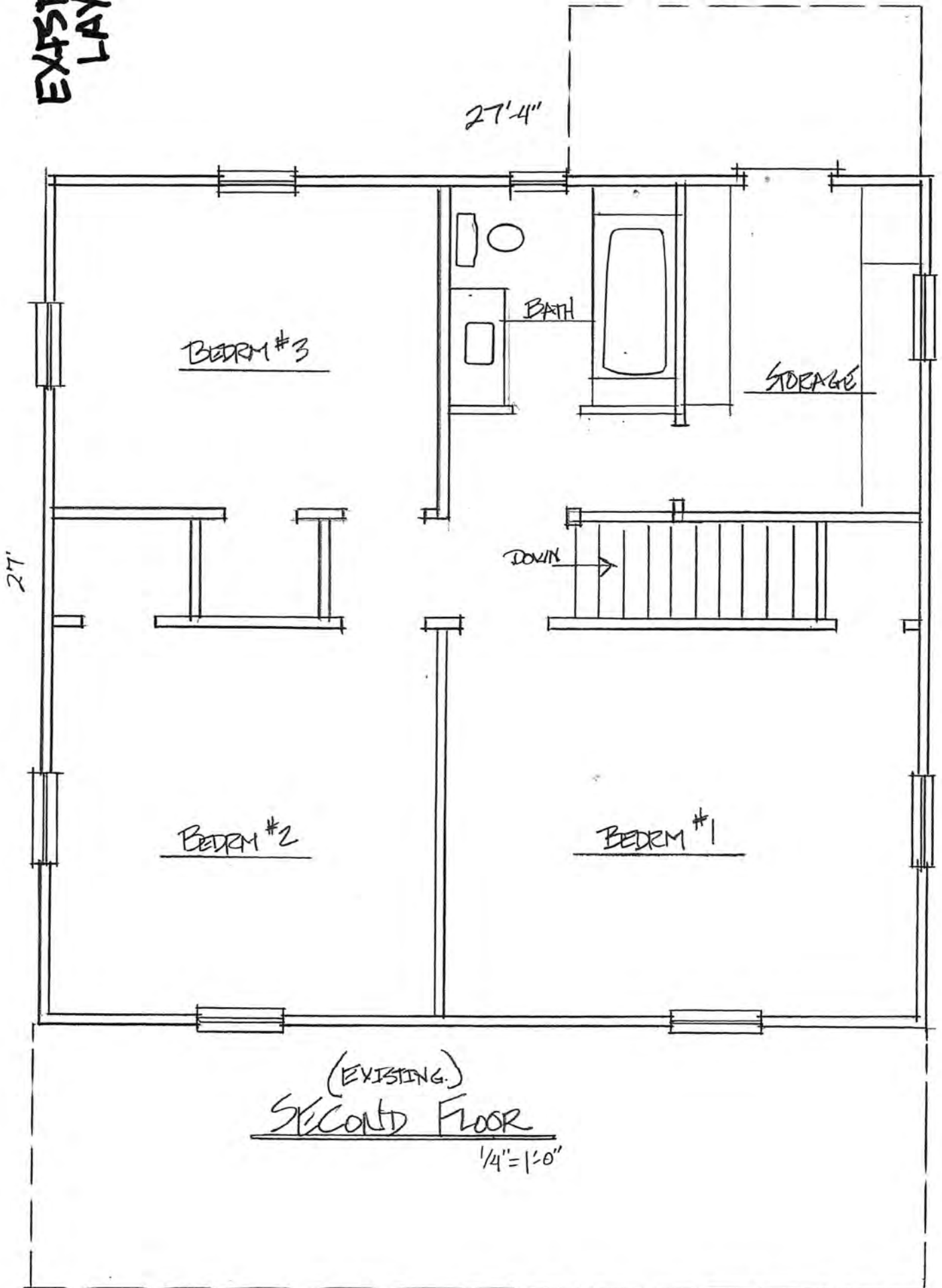
EXIST  
LAYOUT



**EXIST. LAYOUT**



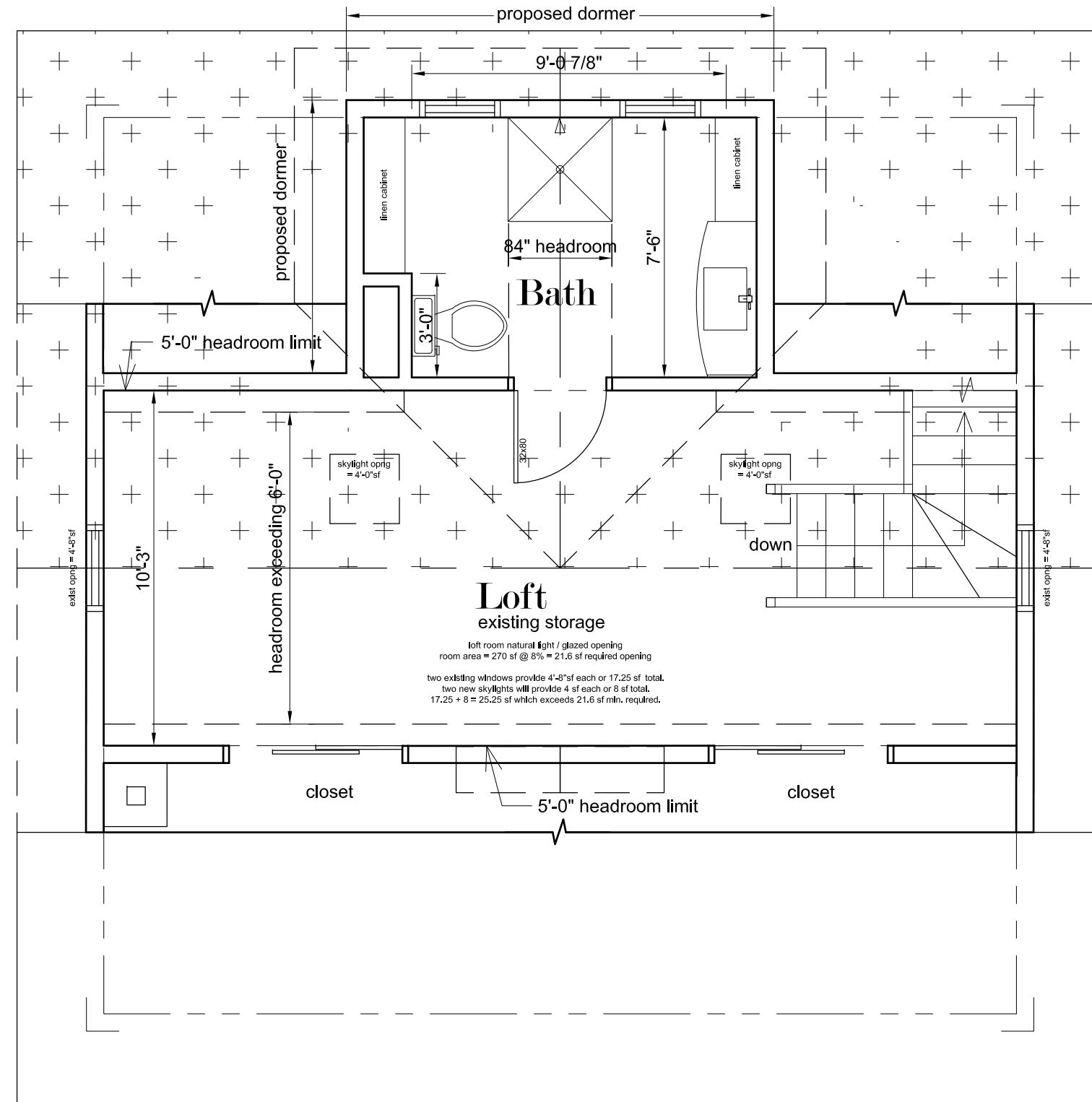
**EXIST.  
LAYOUT**



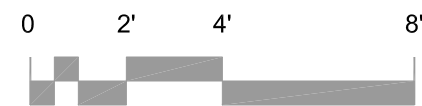
EXISTING AREA OF THIS FLOOR = 677 SF  
 ALLOWABLE DORMER ADDITION (Per Zoning) MUST BE LESS THAN 50% FLOOR AREA  
 PROPOSED DORMER MUST BE < 338.5 SF  
 PROPOSED DORMER ROOF PROPOSED = 171 SF

REAR SLOPE OF EXISTING ROOF = 486 SF  
 ALLOWABLE DORMER ADDITION (Per Landmarks) MUST BE LESS THAN 50% REAR SLOPE  
 PROPOSED DORMER MUST BE < 243 SF  
 PROPOSED DORMER ROOF PROPOSED = 171 SF

Exhibit B

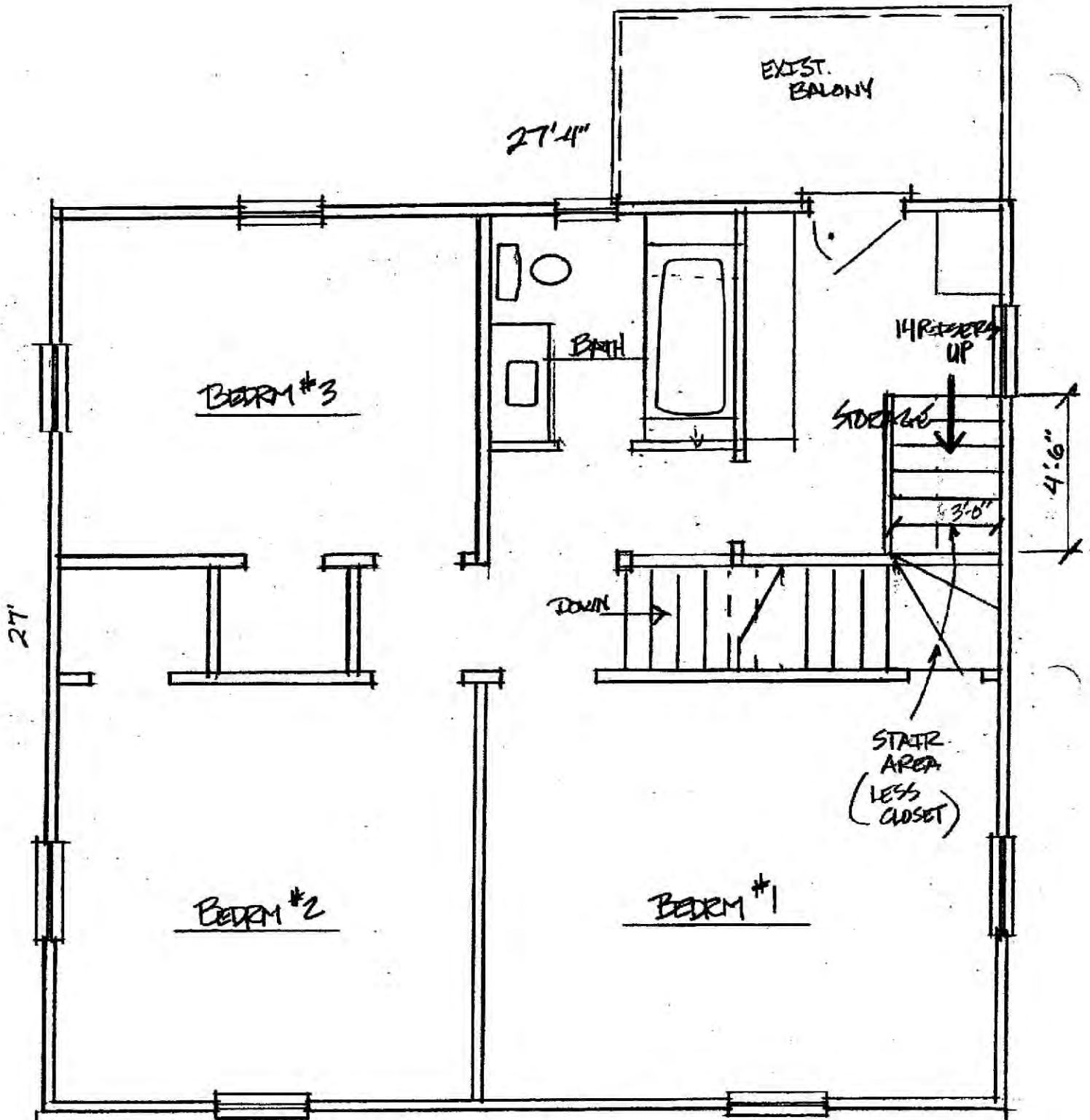


Upper Floor Plan



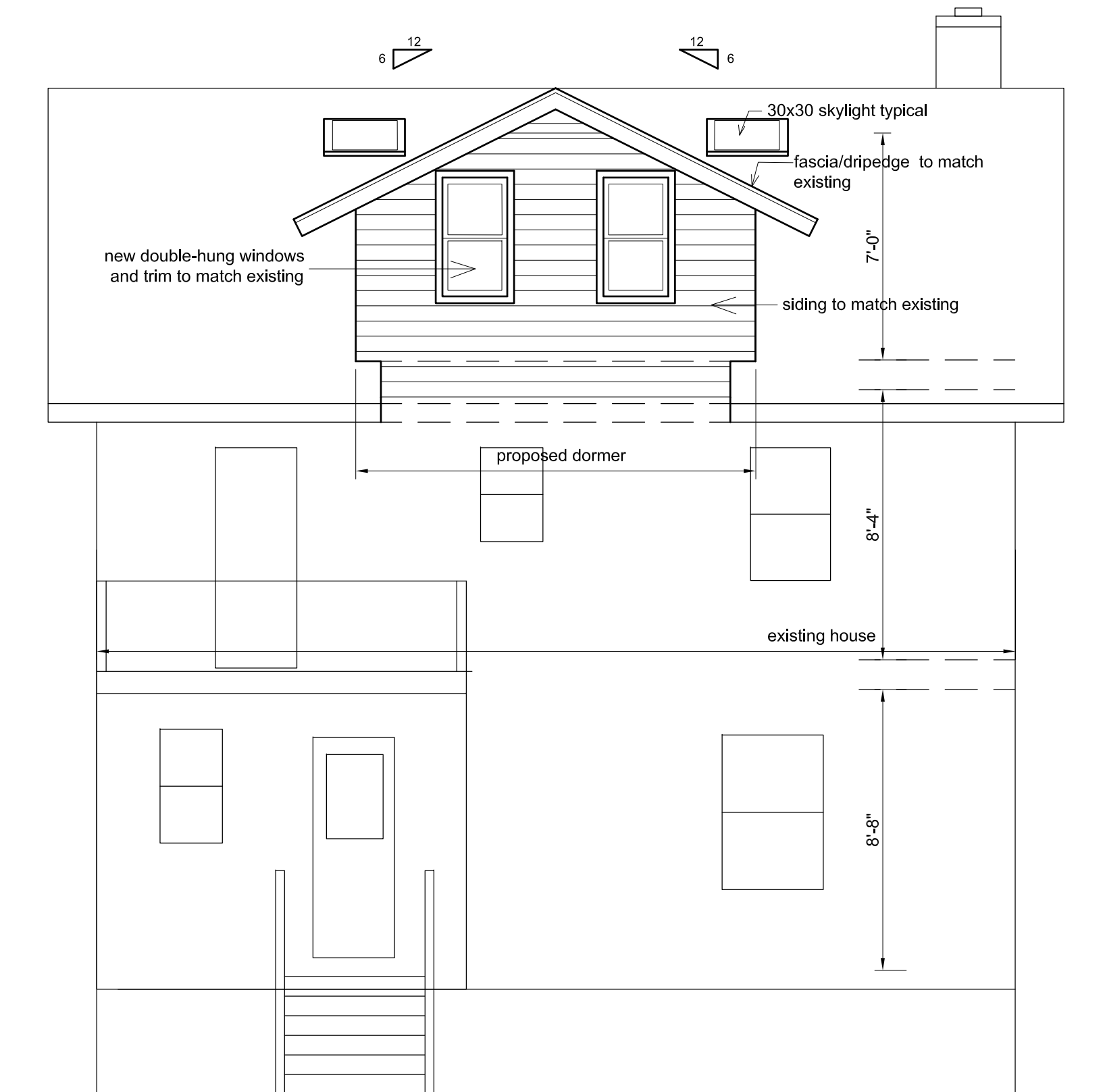
Rear Dormer Addition  
 710 Orton Court  
 Madison, WI 53703

Project No:	2307.01
Drawn By:	pr
Date:	05/15/2023

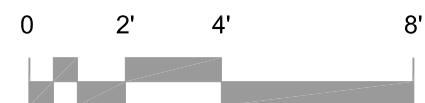


(EXISTING.) & (NEW)  
**SECOND FLOOR**  
 (NEW STAIR LOCATION) 1/4" = 1'-0"

3-5-23  
 ANDY RUBSM

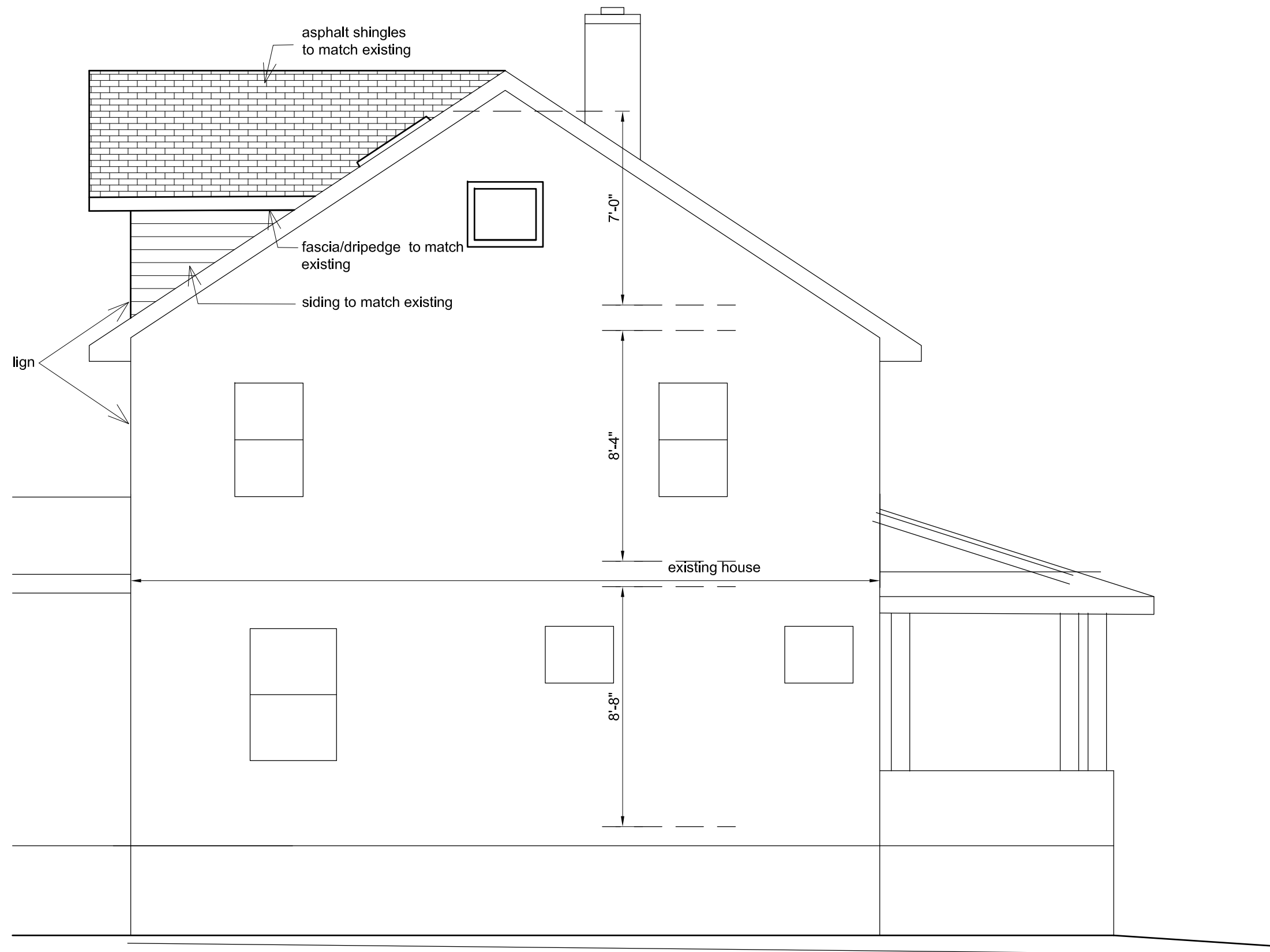


**Southwest Elevation**



Rear Dormer Addition  
 710 Orton Court  
 Madison, WI 53703

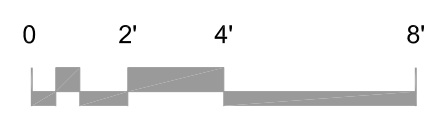
Project No:	2307.01
Drawn By:	pr
Date:	05/15/2023



Rear Dormer Addition  
 710 Orton Court  
 Madison, WI 53703

Project No:	2307.01
Drawn By:	pr
Date:	05/15/2023

**Southeast Elevation**





# DIAMOND KOTE<sup>®</sup>

## Building Products

Exhibit D



**PRODUCT GUIDE 2020**

**SIDING DESIGNED WITH THE INSTALLER IN MIND**

[diamondkotesiding.com](http://diamondkotesiding.com)

## 6 IN. RIGIDSTACK™ SIDING

Function: Stackable Textured Lap Siding

Part Description: 3/8X6 RigidStack

### ACTUAL DIMENSIONS

Exposure: 4.75 in.  
 Overlap: 1-1/8 in.  
 Pieces per square: 15.78  
 Length: 16 ft.  
 Width: 5.84 in.  
 Height: N/A  
 Min. Thickness: 0.315 in.

### CONSTRUCTION

Substrate: Strand  
 LP® SmartSide®  
 Finish: Diamond Kote®  
 Other: Plastic

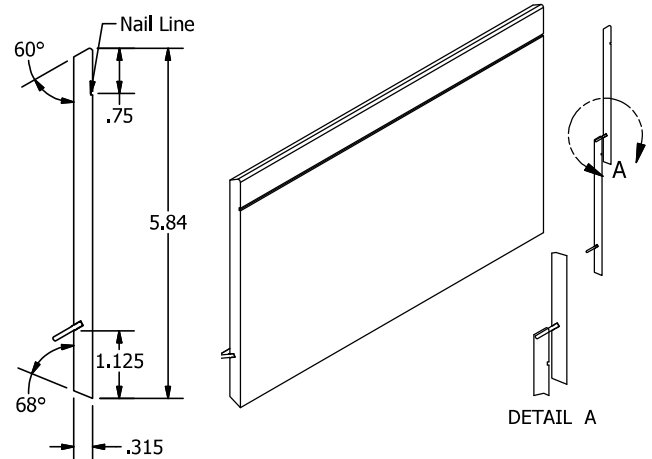
### WEIGHT

Per Piece: 11.49 lbs.  
 Per Bundle: 45.96 lbs.  
 Per Pallet: 1930.32 lbs.

### PACKAGING

Per Bundle: 4  
 Per Pallet: 168

DRAWINGS SHOW ACTUAL DIMENSIONS



## 8 IN. RIGIDSTACK™ SIDING

Function: Stackable Textured Lap Siding

Part Description: 3/8X8 RigidStack

### ACTUAL DIMENSIONS

Exposure: 6.75 in.  
 Overlap: 1-1/8 in.  
 Pieces per square: 11.11  
 Length: 16 ft.  
 Width: 7.84 in.  
 Height: N/A  
 Min. Thickness: 0.315 in.

### CONSTRUCTION

Substrate: Strand  
 LP® SmartSide®  
 Finish: Diamond Kote®  
 Other: Plastic

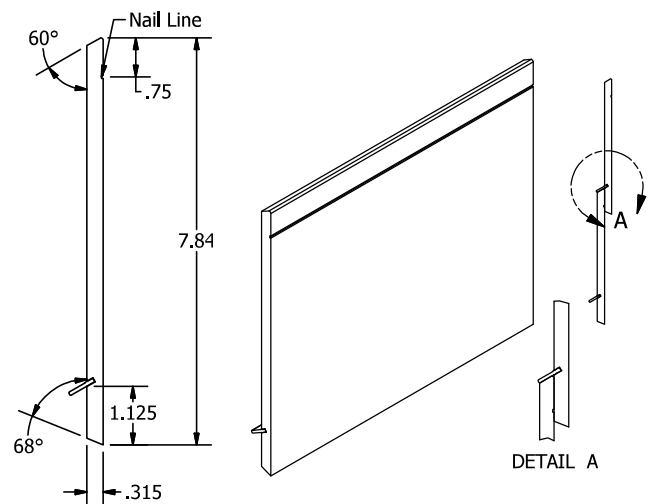
### WEIGHT

Per Piece: 15.43 lbs.  
 Per Bundle: 61.72 lbs.  
 Per Pallet: 2160.2 lbs.

### PACKAGING

Per Bundle: 4  
 Per Pallet: 140

DRAWINGS SHOW ACTUAL DIMENSIONS



## 12 IN. RIGIDSTACK™ SIDING

Function: Stackable Textured Lap Siding

Part Description: 3/8X12 RigidStack

### ACTUAL DIMENSIONS

Exposure: 10.75 in.  
 Overlap: 1-1/8 in.  
 Pieces per square: 6.97  
 Length: 16 ft.  
 Width: 11.84 in.  
 Height: N/A  
 Min. Thickness: 0.315 in.

### CONSTRUCTION

Substrate: Strand  
 LP® SmartSide®  
 Finish: Diamond Kote®  
 Other: Plastic

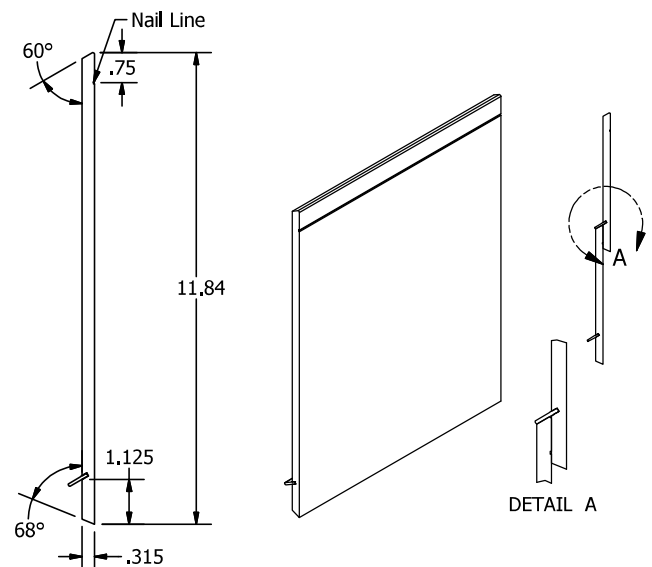
### WEIGHT

Per Piece: 20.67 lbs.  
 Per Bundle: 82.68 lbs.  
 Per Pallet: 1736.28 lbs.

### PACKAGING

Per Bundle: 4  
 Per Pallet: 84

DRAWINGS SHOW ACTUAL DIMENSIONS



**COLOR AVAILABILITY CHART**  
**PRODUCTS: RIGIDSTACK™ SIDING**

SOLID COLORS	6 IN	8 IN	12 IN
WHITE			
BISCUIT			
SAND			
OYSTER SHELL			
LIGHT GRAY			
CLAY			
PEWTER GREEN			
FRENCH GRAY			
PLATINUM			
TERRA BRONZE			
SEAL			
OLIVE			
PELICAN			
SMOKY ASH			
MOUNTAIN LAKE			
CINNABAR			
COFFEE			
CARIBOU			
MIDNIGHT			
GRAPHITE			
CLOVE			
BEIGE			
ONYX			
BEDROCK			
ELKHORN			
CANYON			
MAHOGANY			
GRIZZLY			
CHESTNUT			

 NOT AVAILABLE	 PAINTED TEXTURE & SMOOTH	 PAINTED TEXTURE
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# WOODWRIGHT<sup>®</sup> DOUBLE-HUNG FULL-FRAME WINDOWS

Tables of Sizes ..... 50-56  
Specifications ..... 54-61  
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Grille Patterns ..... 63  
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Joining Details ..... 65  
Combination Designs ..... 181  
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**CUSTOM SIZING**  
in 1/8" (3) increments 

Dimensions in parentheses are in millimeters.

# WOODWRIGHT® DOUBLE-HUNG FULL-FRAME WINDOWS

## FEATURES

### FRAME

- A** Perma-Shield® exterior cladding protects the frame – beautifully. Best of all, it's low maintenance and never needs painting.\*
- B** For exceptional long-lasting\* performance, sill members are constructed with a wood core and a Fibrex® material exterior.
- C** Natural wood stops are available in pine, maple, oak and prefinished white. Wood jamb liners add beauty and authenticity to the window interior.
- D** A factory-applied rigid vinyl flange on the head, sill and sides of the outer frame helps secure the unit to the structure.
- E** Multiple weatherstrip systems help provide a barrier against wind, rain and dust. The combination of spring-tension vinyl, rigid vinyl and flexible bulb weatherstrip is efficient and effective.
- F** For units with white exterior color, the exterior jamb liner is white. For all other units, the exterior jamb liner is gray.

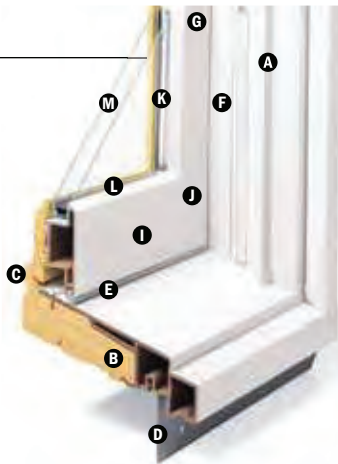
### SASH

- G** Balancers in the sash enable contractors to screw through the jamb during installation without interfering with the window's operation.

### Wood Jamb Liner



- H** Natural wood sash interior with classic chamfer detailing. Available in pine, maple, oak or prefinished white.
- I** Low-maintenance sash exterior provides long-lasting\* protection and performance. Sash exteriors on most units include Fibrex material.
- J** Sash joints simulate the look of traditional mortise-and-tenon construction inside and out.



### GLASS

- K** 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.
- L** Silicone bed glazing provides superior weathertightness and durability.
- M** 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



Standard lock and keeper design provides an easy tilt-to-clean feature integrated into the lock.

## EXTERIOR & INTERIOR OPTIONS

### EXTERIOR COLORS



### INTERIOR OPTIONS



## HARDWARE



Standard Lock & Keeper

Antique Brass | **Black** | Bright Brass  
 Brushed Chrome | Distressed Nickel  
 Distressed Nickel | Gold Dust  
 Oil Rubbed Bronze | Polished Chrome  
 Satin Nickel | Stone | White

## OPTIONAL HARDWARE Sold Separately

### CONTEMPORARY



Bar Lift

Available in all hardware finishes.  
 Shown in **Distressed Nickel**.

### ESTATE™



Hand Lift

Finger Lifts

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

### TRADITIONAL



Bar Lift



Hand Lift



Finger Lifts

Antique Brass | Black | Bright Brass | Brushed Chrome  
 Distressed Bronze | Distressed Nickel | Gold Dust | **Oil Rubbed Bronze**  
 Polished Chrome | Satin Nickel | Stone | White

### CLASSIC SERIES™



Bar Lift



Hand Lift



Finger Lifts

Stone | **White**

Bold name denotes finish shown.

## HARDWARE FINISHES



\*Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details.

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.

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.

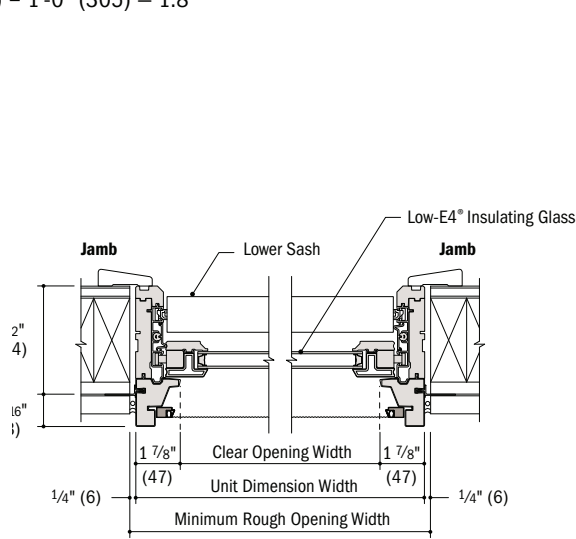
Distressed bronze and oil rubbed bronze are "living" finishes that will change with time and use.



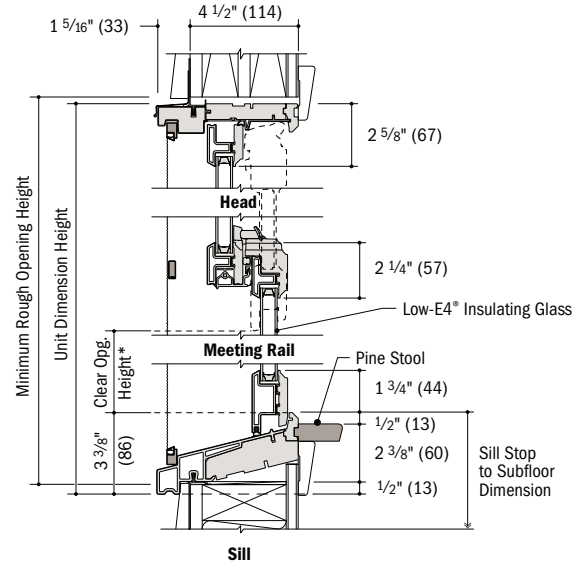
# WOODWRIGHT® DOUBLE-HUNG FULL-FRAME WINDOWS

## Woodwright® Double-Hung Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



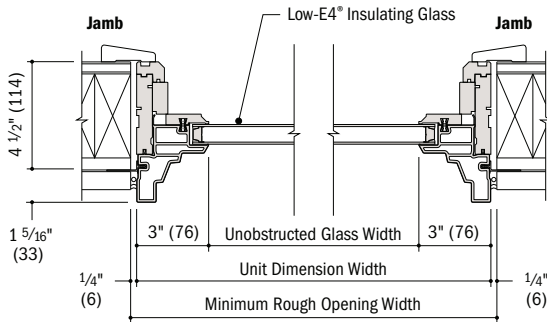
Horizontal Section



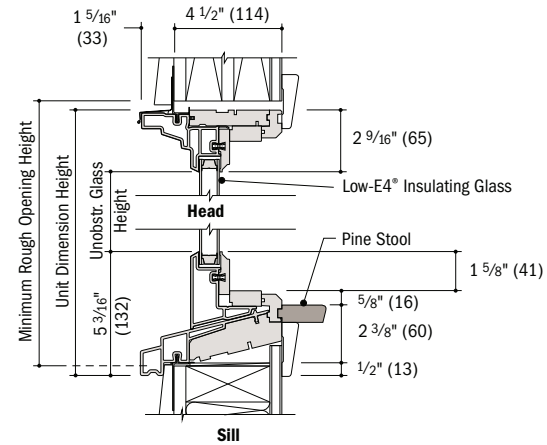
Vertical Section

## Woodwright® Picture Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Horizontal Section



Vertical Section

• Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.  
 • **Minimum rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 210-211.**  
 • Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.  
 • Dimensions in parentheses are in millimeters.  
 • Clear opening height dimension is less on arch, unequal leg arch and Springline® hung windows.

# AMERICA'S MOST LOVED BRAND OF WINDOWS & DOORS.\*

You want to give your customers a home they love, and we're here to make that easy for you. That's why we're proud to offer you products that rate #1 in quality and performance,† and to be the #1 trusted and recommended window and door brand\*\* by pros.

## 100 SERIES PRODUCTS

The best way to give your customers a modern look that's within budget and lasts!† The 100 Series product line is made from our proprietary Fibrex® material that's energy efficient, environmentally responsible and stronger than vinyl.

\*2020 Andersen brand surveys of U.S. realtors, contractors and builders.

\*\*2020 Andersen brand surveys of U.S. contractors, builders and architects. †See the limited warranty for details.

# WINDOWS

## FEATURES

### CASEMENT & AWNING

#### FRAME

**A** The frame is constructed with Fibrex® composite material. This construction produces a rigid frame.

**B** Durable, low-maintenance finish won't fade, flake, blister or peel.

Concealed receiving brackets mounted on the hinge side of the frame keep the sash tightly secured within the window frame when closed.

**C** Four frame options are available. See "Common Features" for details.

#### SASH

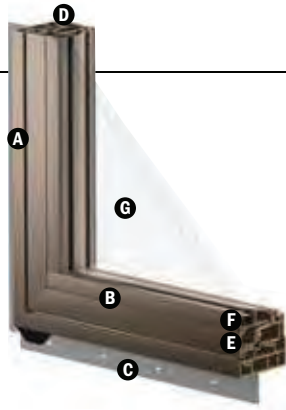
**D** Fibrex material construction provides long-lasting performance.\* The sash, finished with a durable capping, provides maximum protection and a matte, low-maintenance finish.

**E** The dual weatherstrip system combines both an exterior watershed design and a bulb weatherstrip seal between the sash and frame. The result is a long-lasting, energy-efficient barrier against wind, water and dust.

#### GLASS

**F** A glazing bead and silicone provide superior weathertightness and durability.

**G** See "Common Features" for details.



#### HARDWARE

Sash operator provides almost effortless opening and closing, regardless of window size. Long-lasting stainless steel hinge channels are used at the head and sill to provide easy operation.

#### Single-Action Casement Lock

A single-action lock easily releases all concealed locking points on the casement sash. The color or finish of the lock hardware matches the handle.

#### Awning Sash Locks



Awning sash locks provide an added measure of security and weathertightness. Awning hardware style and color options are compatible with 100 Series casement windows to ensure a consistent appearance when used in combination designs.

### SINGLE-HUNG

#### FRAME

**A** The frame is constructed with Fibrex composite material. This construction produces a rigid frame.

**B** A durable, side-loaded balancer provides for easy sash opening and closing. The lower sash can be removed without the use of tools.

**C** Durable, low-maintenance finish won't fade, flake, blister or peel.\*

**D** Four frame options are available. See "Common Features" for details.

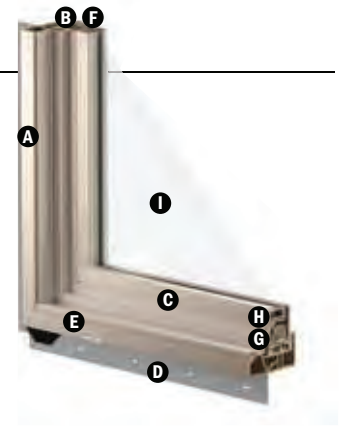
**E** Weep holes are located on the exterior nose of the sill for proper water management.

#### SASH

The lower sash has a meeting rail cover with a unique raised profile design, allowing the sash to be opened and closed easily.

**F** Fibrex material construction provides long-lasting performance.\* The sash, finished with a durable capping, provides maximum protection and a matte, low-maintenance finish.

**G** Dual felt weatherstrip provides a long-lasting, energy-efficient barrier against wind, water and dust.



#### GLASS

**H** A glazing bead and silicone provide superior weathertightness and durability.

**I** See "Common Features" for details.

#### HARDWARE

#### Sash Lock

The sash lock engages automatically when the lower sash is closed. The standard sash lock matches the window's interior color.

#### ADDITIONAL SASH & SHAPE OPTIONS



Reverse Cottage Sash



Arch Single-Hung

## COMMON FEATURES

#### FRAME

Four frame options include:

- 1 3/8" (35) flange setback for siding applications. An integral rigid vinyl flange helps seal the unit to the structure.
- 1" (25) flange setback with stucco key. An integral rigid vinyl flange helps seal the unit to the structure.
- No-flange option for window replacement in an existing framed opening.
- Insert option for window replacement in an existing window frame.

\*Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details.

\*\*Products with Sandtone, dark bronze and black interiors have matching exteriors. Dimensions in parentheses are in millimeters. Printing limitations prevent exact duplications of colors. See your Andersen supplier for actual color samples.

#### GLASS

High-Performance options include:

- Low-E SmartSun™ glass
- Low-E SmartSun HeatLock® glass
- Low-E glass
- Low-E HeatLock glass
- Low-E Sun glass
- Low-E PassiveSun® glass
- Low-E PassiveSun HeatLock glass
- Clear Dual-Pane glass

Tempered laminated 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.

#### Glass Spacers



Black glass spacer

Glass spacers are now available in black, in addition to stainless steel, to provide more ways to customize project designs and achieve a contemporary look. (E-Series window is shown above.)

#### Performance Grade (PG) Upgrades

Optional performance grade upgrades are available for select sizes allowing units to achieve PG50. Performance Grade (PG) ratings are more comprehensive than Design Pressure (DP) ratings for measuring product performance. Choosing the PG50 upgrade doesn't change the appearance of the unit.

## COLOR OPTIONS

#### EXTERIOR COLORS



White

Sandtone

Terratone



Dark Bronze

Black

#### INTERIOR COLORS



White

Sandtone\*\*



Dark Bronze\*\*

Black\*\*

**Horizontal (stack) Joining Detail**

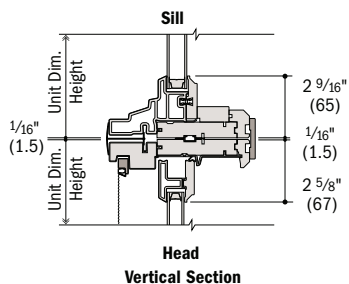
Scale 1 1/2" (38) = 1'-0" (305) – 1:8

**Overall Window Dimension Height**

Sum of individual window heights plus 1/16" (1.5) for each join.

**Overall Rough Opening Height**

Overall window dimension height.\*



Woodwright® Transom (WTR) over Woodwright Double-Hung

**Vertical (ribbon) Joining Detail**

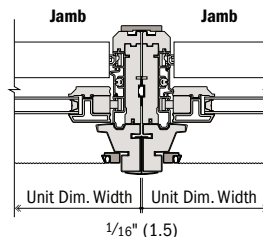
Scale 1 1/2" (38) = 1'-0" (305) – 1:8

**Overall Window Dimension Width**

Sum of individual window widths plus 1/16" (1.5) for each join.

**Overall Rough Opening Width**

Overall window dimension width plus 1/2" (13).



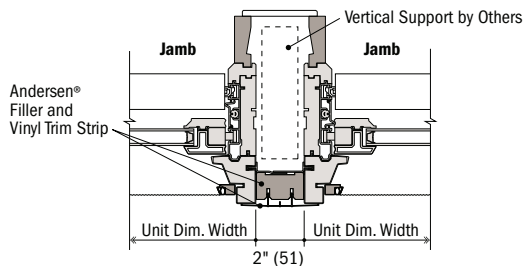
Woodwright® Double-Hung to Woodwright Double-Hung

For more joining information, see the combination designs section starting on page 181.

**Separate Rough Openings Detail**

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

To meet structural requirements or to achieve a wider joined appearance, windows may be installed into separate rough openings having vertical support (by others) in combination with Andersen® exterior filler and exterior vinyl trim.



Woodwright® Double-Hung and Woodwright Double-Hung

400 Series Woodwright® Double-Hung Full-Frame Windows

\* Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.  
 • **Minimum rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 210-211.**  
 • Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.  
 • Consult with an architect or structural engineer regarding minimum requirements for structural support members between adjacent rough openings.  
 • Dimensions in parentheses are in millimeters.  
 \*For stacks where bottom unit in combination is a double-hung or picture window with a sloped sill. If bottom window has a flat sill, add 1/2" (13) to the overall window dimension height.

# VS/S/E Venting Skylight

## Technical Product Data Sheet

**VELUX®**

### Description

- VS/VSS/VSE are Venting Deck Mount Skylights that mounts to the roof deck. Venting skylight, provided with various glazings, is manufactured with a white maintenance-free finish (or optional stain grade for VS/VSS) pine frame/sash and a neutral gray aluminum profile (optional copper for VS/VSE) with an insulated glass unit.

### Installation

- Designated top, bottom, and sides for installation in one direction.
- Single unit applications or combination flashing for multiple skylight applications.
- 14 degrees to 85 degrees, use standard installation procedure.
- VS includes operating hook. Control rod (ZCT 300) and crank handle (ZZZ 212) available.
- VSS includes external acoustic rain sensor/solar panel and remote.
- VSE includes 20 feet of cord, internal rain sensor and remote.

### Flashings

- EDL - Engineered neutral gray flashing for single installation with thin roofing material ( $\frac{1}{2}$ " max) for roof pitches from 14-85 degrees.
- EDW – Engineered neutral gray flashing for single installation with tile (over  $\frac{3}{4}$ " ) roofing material for roof pitches from 14-85 degrees.
- EDM – Engineered neutral gray flashing for single installation with metal roof ( $1\frac{1}{2}$ "- $1\frac{3}{4}$ " max profile) for roof pitches from 14-85 degrees.
- EKL- Engineered neutral gray flashing for multiple skylights with thin roofing material (Max.  $\frac{5}{16}$ " ) on roof pitches from 14 to 85 degrees.
- EKW – Engineered neutral gray flashing for multiple skylights with high profile roofing material (Max.  $3\frac{1}{2}$ " ) on roof pitches from 15 to 85 degrees.
- Applications less than 14-degree roof pitch - flashing provided by others.

### Interior Accessories

- FSCH - Solar powered Room darkening - double pleated shade.
- FSLH - Solar powered Light filtering - single pleated shade.

### Type Sign

- Example: VSS C01 0004E 01BM05
- Located on top of interior frame cover.



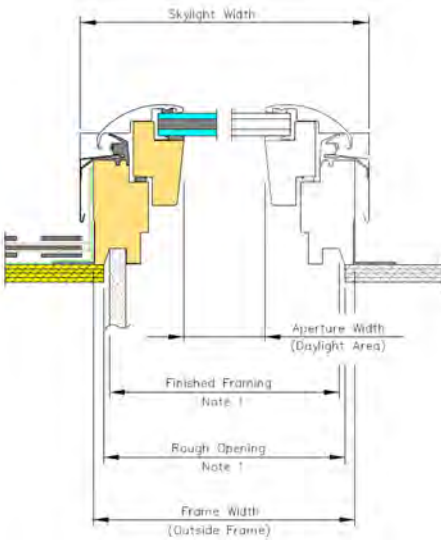
### Standard Sizes

- C01, C04, C06, C08, M02, M04, M06, M08, S01, S06
- No custom sizes available.

### Warranty

- **Installation** – 10 years from the date of purchase; VELUX No Leak Warranty warrants skylight installation. Must be installed with VELUX flashings and included adhesive underlayment.
- **Skylight** – 10 years from the date of purchase; VELUX warrants that the skylight will be free from defects in material and workmanship.
- **Glass Seal** – 20 years from the date of purchase; VELUX warrants that the insulated glass pane will not develop a material obstruction of vision due to failure of the glass seal.
- **Hail Warranty** – 10 years from the date of purchase; VELUX warrants only laminated glass panes against hail breakage.
- **Accessories and Electrical Components** – 5 years from the date of purchase; VELUX warrants Velux shades and control systems will be free from defects in material and workmanship.

### Cross Section

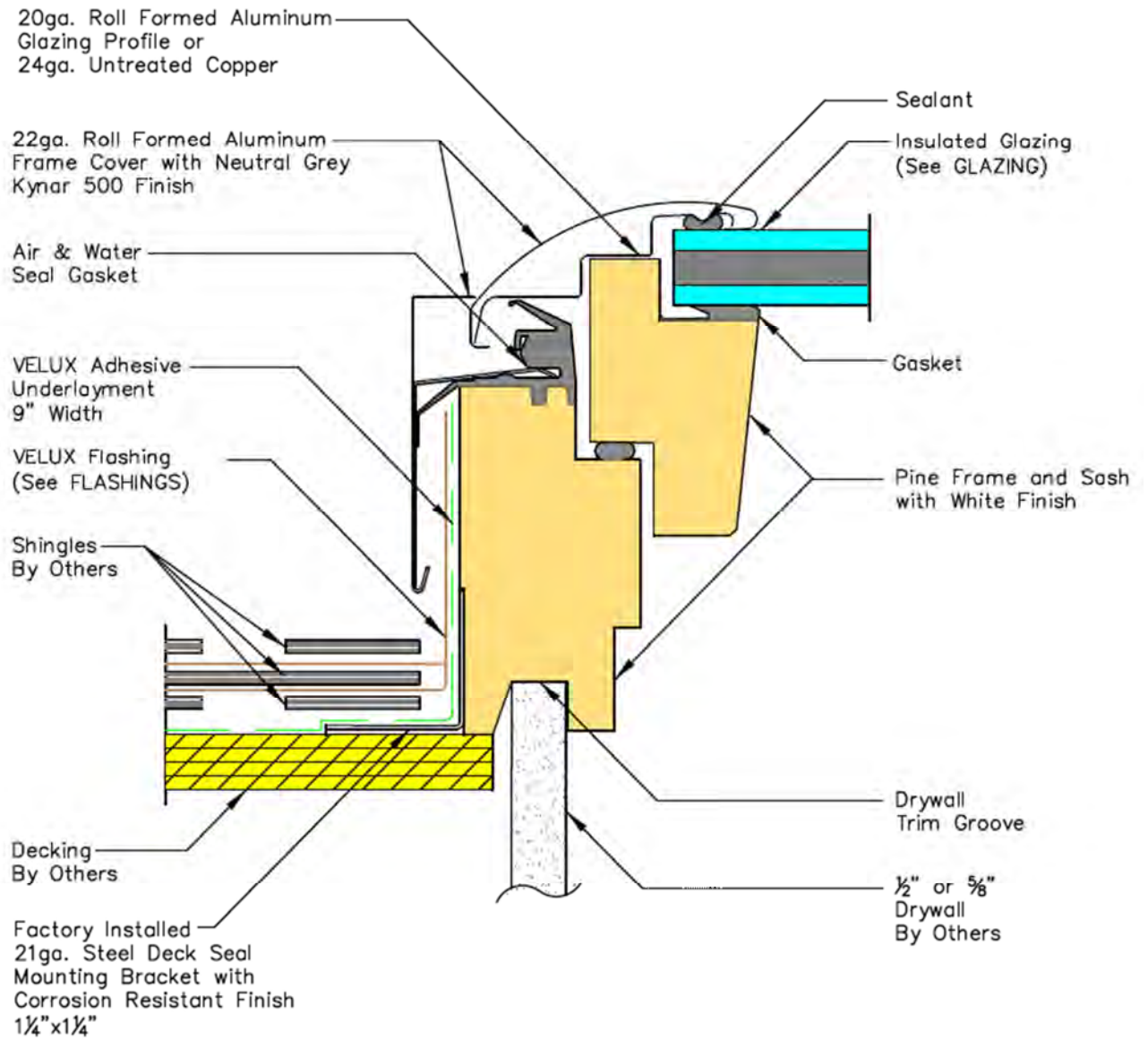


Size	Rough Opening Width	Frame Width	Frame Aperture Width	Skylight Width	Rough Opening Height	Frame Height	Frame Aperture Height	Skylight Height	Daylight Area (Sq. Feet)
C01	21	21 ½	16	22 5/16	26 7/8	27 3/8	20 7/16	28 3/8	2.27
C04	21	21 ½	16	22 5/16	37 7/8	38 3/8	31 7/16	39 3/8	3.50
C06	21	21 ½	16	22 5/16	45 ¾	46 ¼	39 5/16	47 ¼	4.38
C08	21	21 ½	16	22 5/16	54 7/16	54 5/16	48	55 5/16	5.34
M02	30 1/16	30 9/16	25	31 3/8	30	30 ½	23 9/16	30	4.11
M04	30 1/16	30 9/16	25	31 3/8	37 7/8	38 3/8	31 7/16	39 3/8	5.48
M06	30 1/16	30 9/16	25	31 3/8	45 ¾	46 ¼	39 5/16	47 ¼	6.86
M08	30 1/16	30 9/16	25	31 3/8	54 7/16	54 5/16	48	55 5/16	8.36
S01	44 ¼	44 ¾	39 ¼	45 9/16	26 7/8	27 3/8	20 7/16	28 3/8	5.57
S06	44 ¼	44 ¾	39 ¼	45 9/16	45 ¾	46 ¼	39 5/16	47 ¼	10.73

### Glazings and Certification

Glazing	NFRC U-factor	NFRC SHGC	NFRC Vt	Hallmark 426-H-670	IAPMO-ES ER 199	Fla Prod Approval 13309	HVHZ	TDI
<b>04 Laminated</b> -2.3 mm laminated (0.76 mm interlayer) with tempered Low E366 outer pane.	0.43	0.23	0.53	✓	✓	✓		SK-03
<b>06 Impact</b> – 2.3 mm laminated (2.28 mm interlayer) with tempered Low E366 outer pane for hurricane areas	0.41	0.23	0.53	✓	✓	✓	✓	SK-14
<b>08 White laminated</b> -2.3 mm Laminated (0.76mm white interlayer) with tempered Low E366 outer pane.	0.43	0.22	0.38	✓	✓	✓		SK-03
<b>10 Snowload</b> - 3 mm laminated (0.76 mm interlayer) with tempered Low E366 outer pane.	0.42	0.23	0.53	✓				

Consult with Customer Service for special glazing options.



Corner keys made of ASA Luran in neutral grey finish.