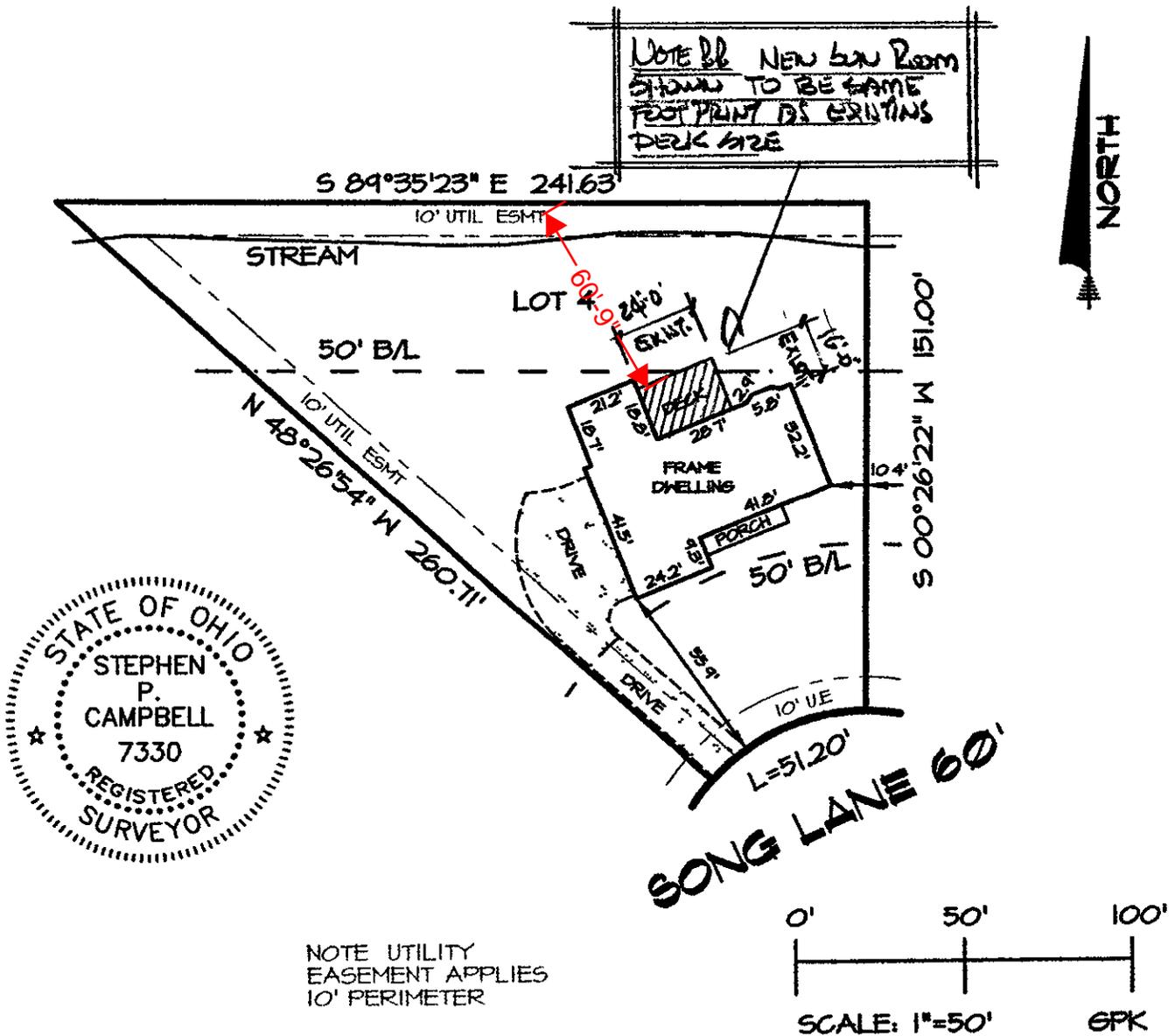




CAMPBELL &
ASSOCIATES, INC
Surveying Engineering

(330) 945-4117
Fax. (330) 945-4140
1923 Bailey Road
Suite A
Cuyahoga Falls, OH 44221
http://www.campbellsurvey.com

MORTGAGE LOCATION SURVEY



Address 30 Morning Song Lane

Allotment: Morning Song Farm

Plat Cab G Slides 215-216

State of Ohio, County of Summit

Client Order No. 27618AE

C & A Order No
CF133884

City of Hudson

Date December 19, 2002

New Owner Thomas J Broderick and Deborah M Broderick

Present Owner Louis C Ozmun and Carol A Ozmun

This is to certify to **Sirva Mortgage and/or American Certified Title**

that a visual inspection of the property and buildings shown (if any) has been made and there are no apparent encroachments or visible easements unless otherwise shown This service was not performed for the purpose of establishing boundary lines, and is not to be used for that purpose

This Mortgage Location Survey has been prepared in accordance with Chapter 4733-38, Ohio Administrative code, and is not a boundary survey pursuant to Chapter 4733-37, Ohio Administrative Code

Stephen P. Campbell

Stephen P Campbell - Reg. Surveyor No 7330

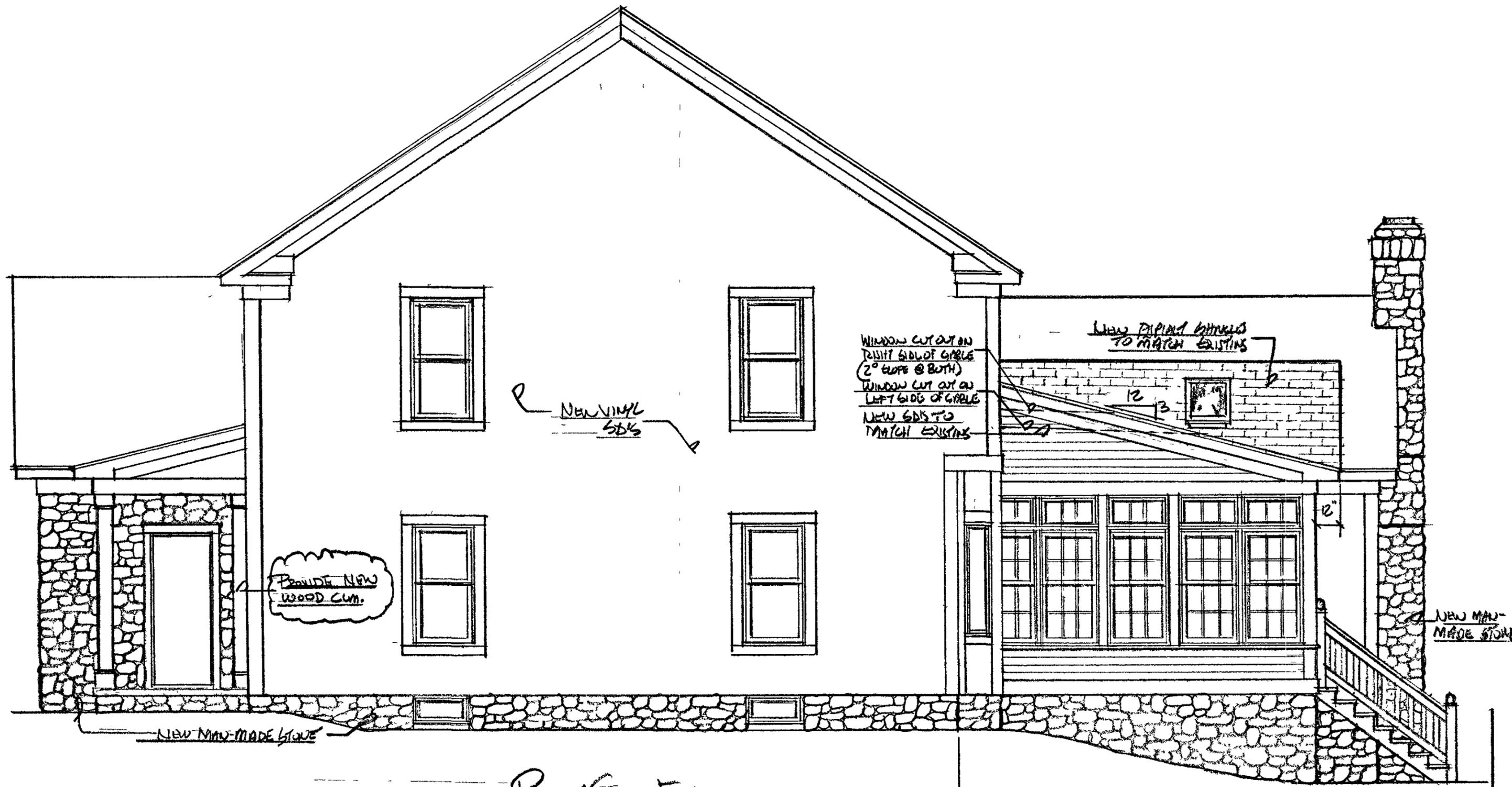


FRONT ELEVATION
 SCALE 1/4" = 1'-0"

REVISED - 5-20-21

ARCHITECTURAL RESOURCE AND DESIGN
 CREATING THE FINEST PLACES FOR LIVING
 Ron Nettl
 11275 Sarahann Ave NW
 Uniontown, OH 44685
 330-730-5767

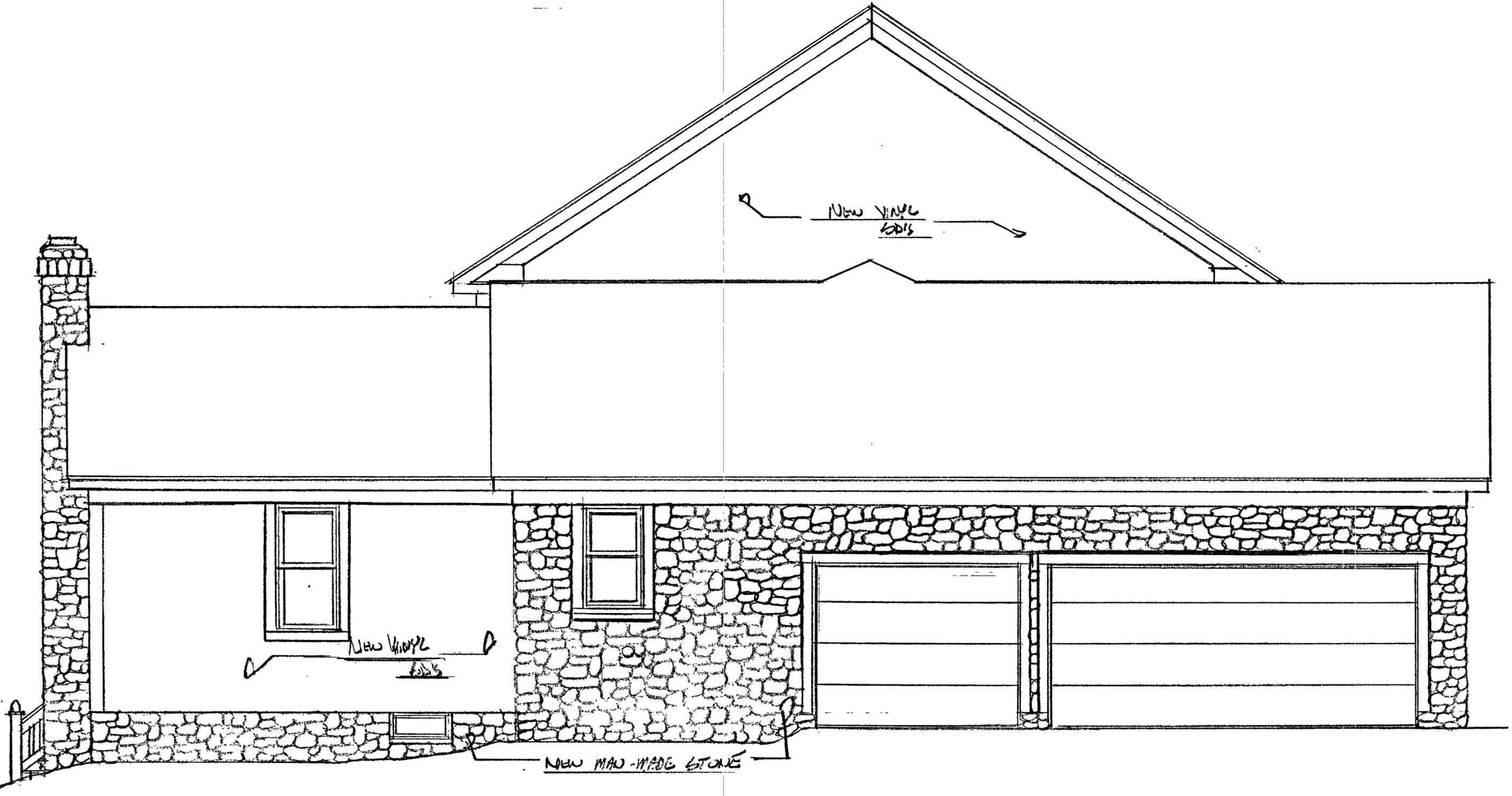
RESIDENCE FOR:					1
MR & MRS Tom Broderick					
Drawn By:	Scale:	Date:	Sq. Ft.:	Dwg. No.:	
R. NETTL	NOTED	4-23-21	~	42321	



== RIGHT SIDE ELEVATION ==
 SCALE 1/4" = 1'-0"

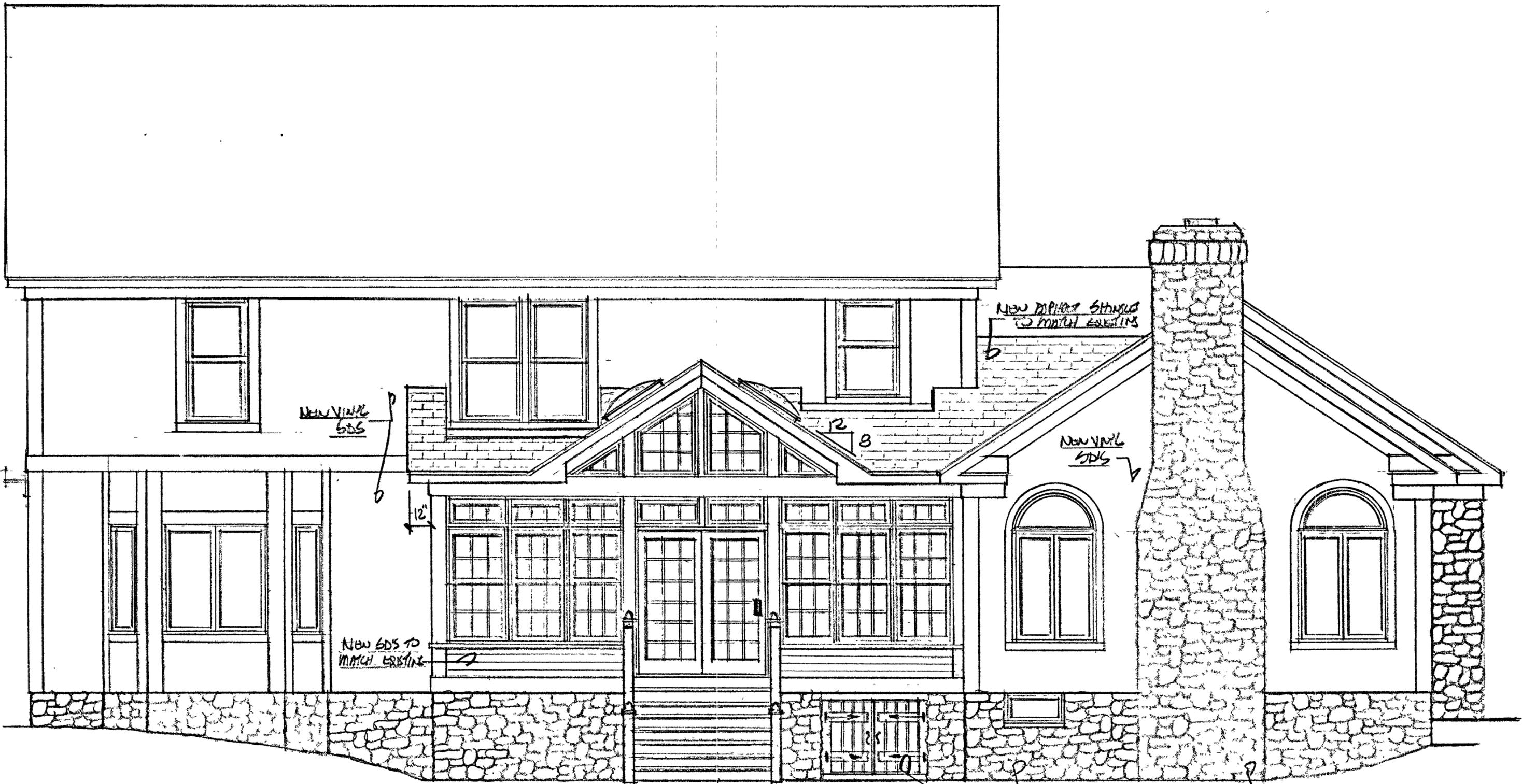
16'-0"
 NEW SUN ROOM

REVISED - 6-20-21



LEFT SIDE ELEVATION
SCALE 1/4" = 1'-0"

REVISED - 5-20-21



NEW SIDING STAINED TO MATCH EXISTING

NEW VINYL SIDS

NEW VINYL SIDS

NEW SIDES TO MATCH EXISTING

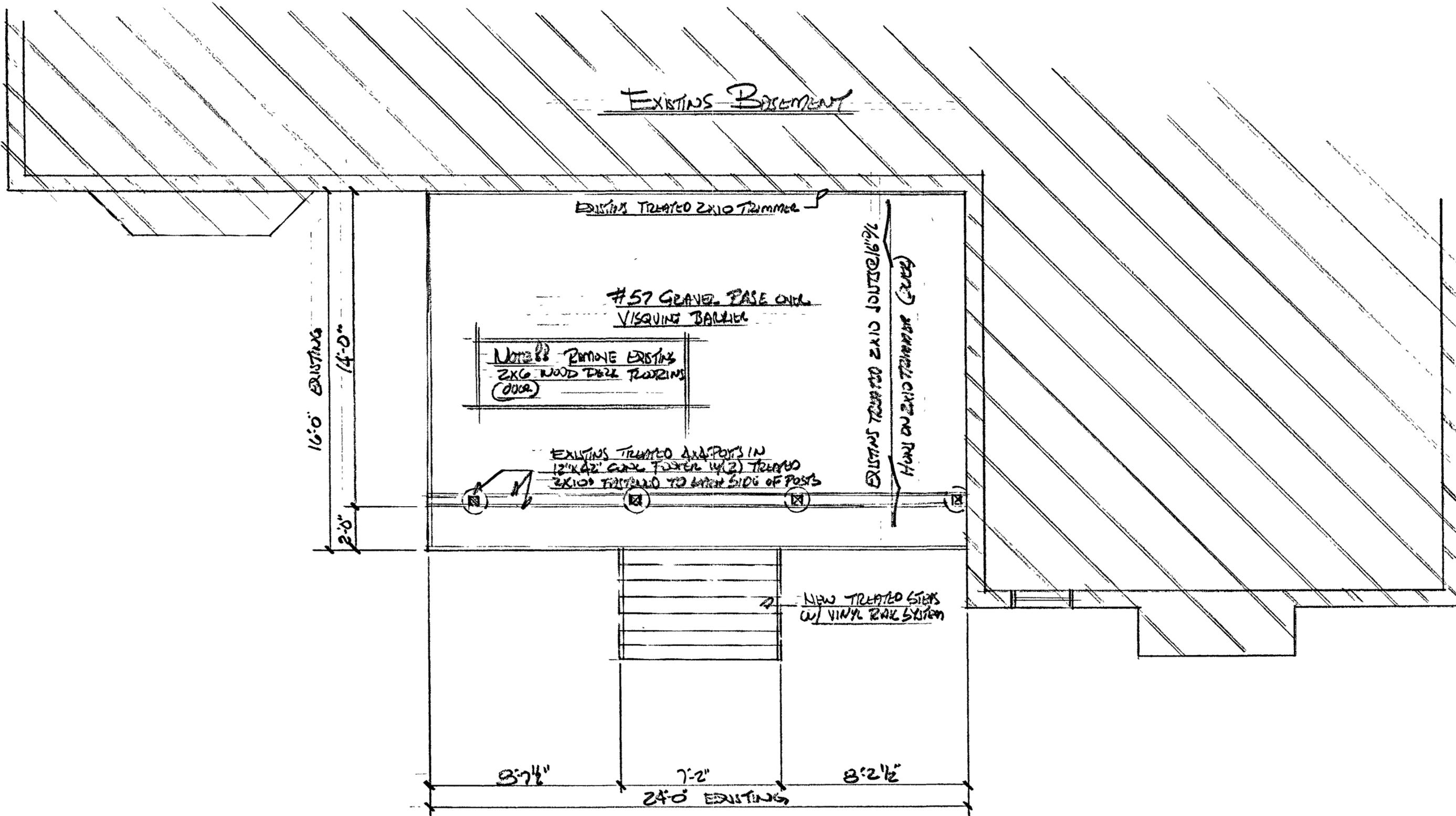
NEW MAN MADE STONE

PROVIDE DBL 20X34 BRK BLUSS DOORS FOR ACCESS UNDER SUN ROOM

24'-0"
 NEW SUN ROOM
 REAR ELEVATION
 SCALE 1/4" = 1'-0"

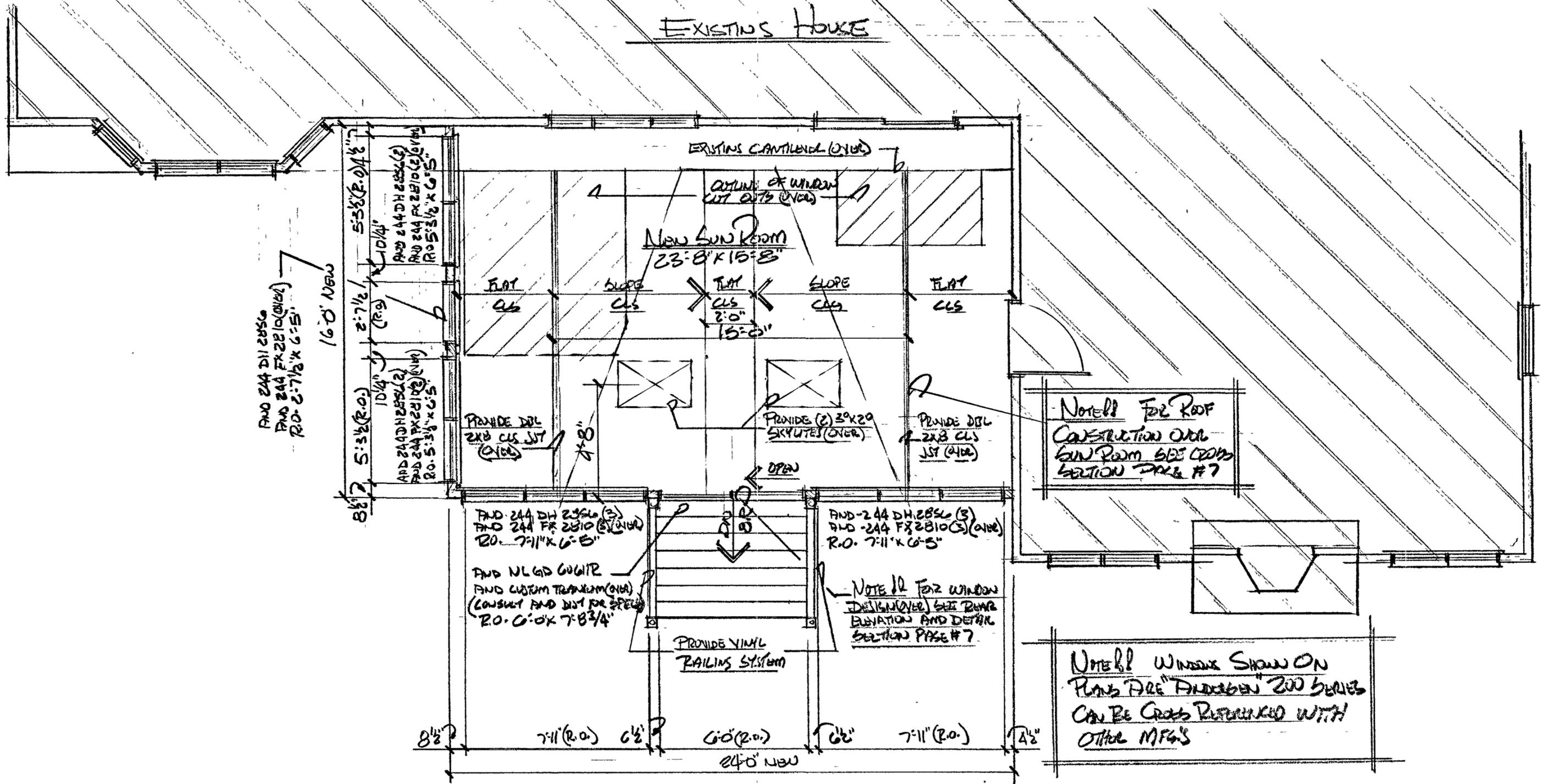
REVISION 5-20-21

EXISTING BASEMENT

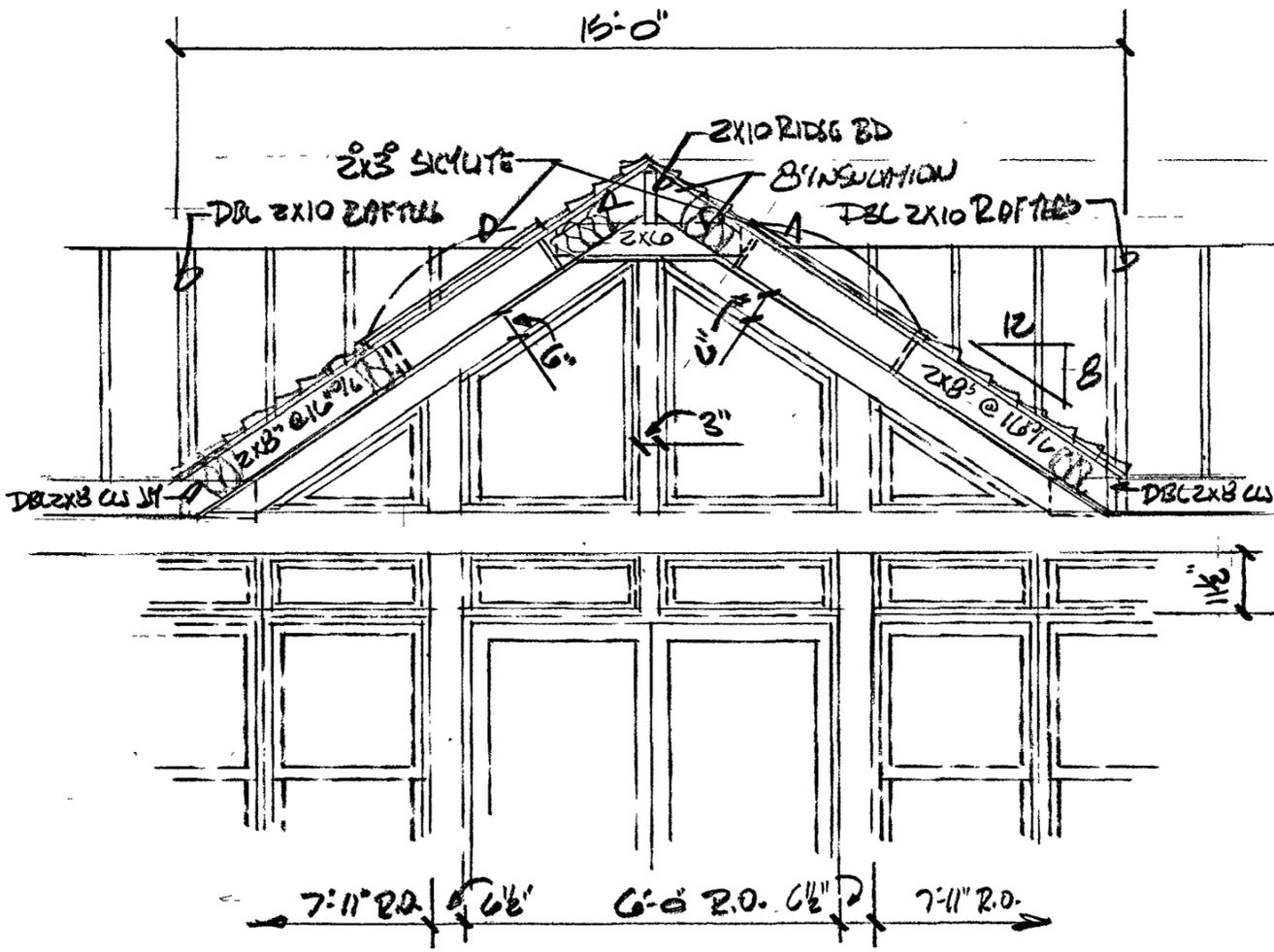


EXISTING WOOD DECK PLAN
SCALE 1/4" = 1'-0"

EXISTING HOUSE



000 FLOOR PLAN 000
SCALE 1/4" = 1'-0"



NOTE B2 FASCIA OF NEW SUN ROOM TO LINE UP WITH EXISTING EXTERIORS OF FAMILY ROOM

NOTE B3 FOR WINDOW CUT OUTS PROVIDE 1/2 PLY SHEETS W/ FLASH. PROVIDE ICE GUARD & RUBBER MEMBRANE ROOFING MAT

NOTE B4 2x6 JST @ 2° SLOPE

NEW DRAINAGE DETAILS TO MATCH EXISTING
FLASH PAPER
1/2 PLY SHEETS

FLUM W/ VLS DRIP
FLUM GUTTER

2x6 SOB FASCIA W/ FLUM
FLUM SUFFIT
FLUM TRIM
1/2 PLY OVER 2x8

SOLID 2x4' AS SHOWN ON PLANS

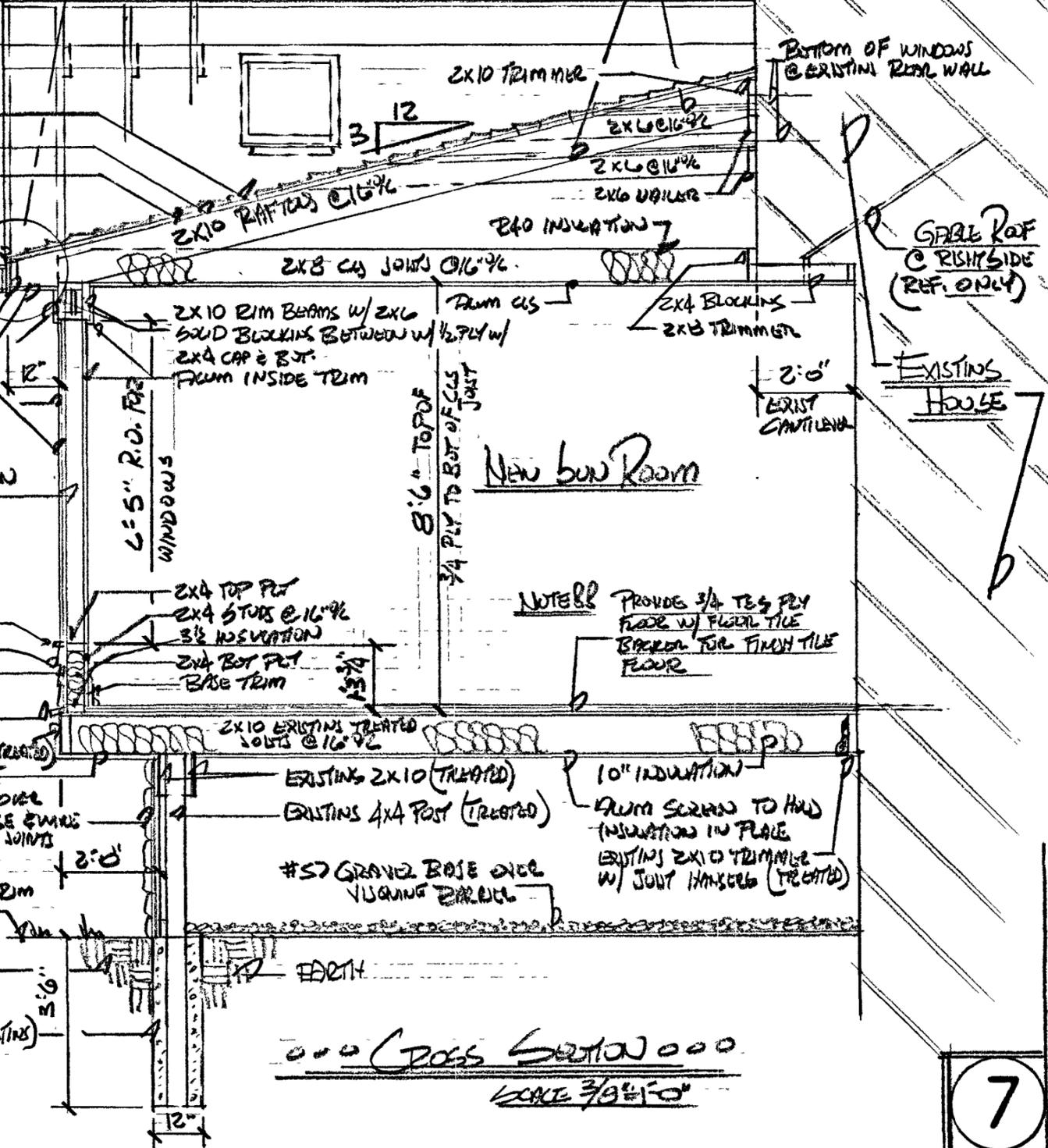
VINYL DRIP TRIM
VINYL SODS
1/2 PLY SHEETS

FLUM TRIP TRIM W/ ALUM WRAP
EXISTING 2x10 RIM (TREATED)

ALUM SUFFIT
MAN-MADE STONE OVER BRLE COAT CONC PARSE SWING MESH-CONC ROOF JOINTS
1/2 TREATED PLY SHEETS
2x4 TREATED BEAM RIM
GARAGE

EARTH

CONC FOOTER (EXISTING)



o o o GABLE ROOF & WINDOW DETAIL o o o
SCALE 3/8"=1'-0"

o o o CROSS SECTION o o o
SCALE 3/8"=1'-0"

STONE VENEER TECHNICAL DATA

1. MANUFACTURER:

Prestige Stone Products LLC.
9290 Winesburg Road
Dundee, OH 44624
Phone: 330.439.5318 Fax: 330.439.5319
e-mail: sales.prestigestone@gmail.com
Web: www.prestigestoneproducts.com



2. PRODUCT DESCRIPTION:

- BASIC USE

Prestige Stone Products veneer stone is a lightweight concrete facade designed for use on exterior or interior walls. These products are not intended for structural use, and because they are lightweight products they do not require any additional footings. Manufactured stone veneer may be applied to almost any load bearing wall, wood frame, steel, or masonry.

- COMPOSITION AND MATERIALS

Prestige Stone Products are produced from a combination of Portland cement, lightweight aggregates, and permanent mineral oxide colors. The products are manufactured in molds which are produced from natural stone.

- PRODUCTS

Stone Veneer - Flats and corners in twelve styles.
Hearthstone - One style.
Window Trim, Window Sills, Rowlocks, Salvaged Wood Trim, Brick Window Sills, and Brick Window Trim.
Keystones - One style.
Wall caps and Pier caps - Flat in various sizes.
Utility Pieces - Light Blocks, Receptacle Blocks, Water Hydrant Blocks.

- SIZES AND SHAPES

Prestige Stone Products will vary in size and shape. See the company's current literature for detailed information on the size of each stone product. Stone thickness will vary from 1 1/2" - 2" (38.1 - 51 mm)

3. TECHNICAL DATA

Compressive Strength - In accordance ASTM C39 - 6760 PSI
Absorption - ASTM C1195 - 14.7%
Split Tensile Test ASTM C496 - 499 PSI
Freeze / Thaw - (C67) No disintegration and less than .2% weight loss
Fire Rating - Zero flame spread, Zero smoke developed, Zero fuel contributed
Color retention - Permanent mineral oxide color
Veneer Unit Weight - 10-12 lbs. Installed



stone

stone



Siding

Stone



Siding

stone



Stone

Siding





RENDERING PROPOSED













YOUR PROFESSIONAL-CLASS PRODUCT

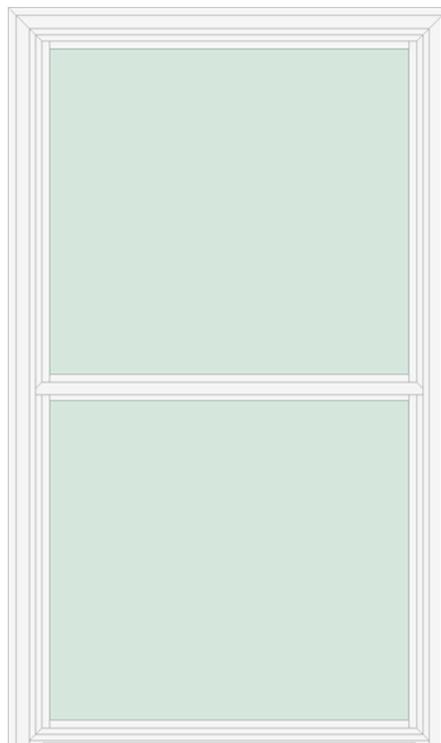
Endure EN600 Series 601 - Double Hung



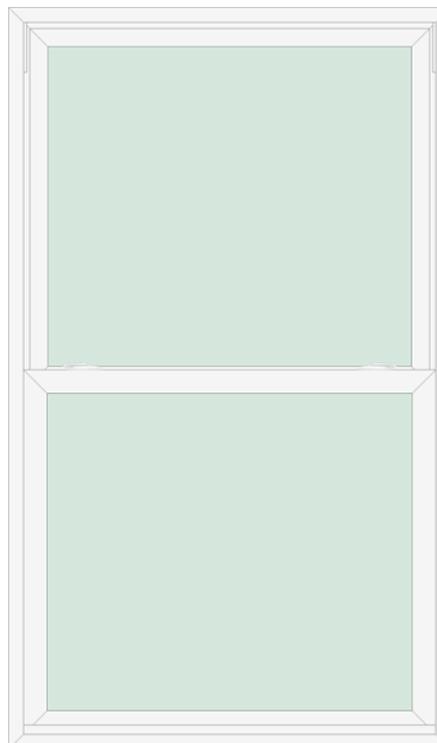
877.389.0835
2150 State Route 39
Sugar Creek, OH 44681

QUOTE INFORMATION

Job: Hudson
PO #PENCE BROTHERS
Order #7356820-1



OUTSIDE VIEW



INSIDE VIEW

DETAILS

Endure Window - EN600 Series

- 601 - Double Hung
- Euro White
- Opening Size: 36" x 60"
- Unit Size: 35 1/2" x 59 1/2"
- Constant Force Roller Tilt Balance System
- Double DualTech Locks
- White Hardware
- INNERGY Thermal Sash Reinforcement
- Extruded Bottom Screen (White) with BetterVue Screen Mesh
- Neopor Insulation
- Nail Fin with J-Channel Factory Installed
- ComforTech DLA-UV
- Single Strength Glass

SIZING

Opening Width Range: 35 7/8" to 36 3/8"
 Opening Height Range: 59 7/8" to 60 3/8"
 Window Size: 35 1/2" x 59 1/2"
 United Inches: 96
 Egress Size: 30 1/2" x 22 1/4"
 Egress Square Foot: 4.7165
 Egress Meets Criteria: No
 Top Sash Size: 31 1/2" x 28 5/16"
 Top Glass Size: 29 11/16" x 26 9/16" x 3/4"
 Bottom Sash Size: 32 1/2" x 29 5/16"
 Bottom Glass Size: 29 11/16" x 26 9/16" x 3/4"
 Bottom Glass Viewable Size: 28 11/16" x 25 9/16"
 Bottom Screen: 32" x 29 3/4"

Air/Water/Structural

Air
0.05 cfm/ft² @ 25 mph
ASTM E 283

Water
7.52 psf
ASTM E 547

Structural
LC-PG50 142mph
AAMA/WDMA/CSA 101/1.S.2/A440-08 and 11
DP 50

ENERGY

ENERGY PERFORMANCE RATINGS	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
0.27	0.21

ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	Condensation Resistance
0.47	60.00



STC: 25; OITC: 22; Acoustic Test Report: f2964.01-113-

PURCHASE AGREEMENT



877.389.0835
2150 State Route 39
Sugar Creek, OH 44681

Terms & Conditions:

Prices are valid for 30 days.

Terms and Conditions of Sale - www.provia.com/terms

QUOTE INFORMATION

Job: Hudson

PO #PENCE BROTHERS

Order #7356820

Dealer

Name (Print)

Name (Sign)

Date

Purchaser

Name (Print)

Name (Sign)

Date

MAINTENANCE & CARE FOR YOUR VINYL WINDOW OR PATIO DOOR

KEY POINTS TO REMEMBER

1. Small scratches and nicks in the vinyl can occur. These small imperfections can be buffed out with a fine buffing compound suitable for vinyl surfaces.
2. Water can enter into the sill area of several different styles of windows. These windows are designed to capture this water before it enters your home and drain it to the outside. The presence of water in the sill of the window does not indicate a problem unless it has overflowed the window sill and into your interior sill or wall. If this has happened, check to make sure there is no debris in the window sill preventing water to drain through the drainage holes.
3. Condensation is often a result of high humidity in the home. If you have found condensation on your window or patio door, you must take steps to reduce the humidity level in your home by either adding a dehumidifier or using a kitchen exhaust fan to remove water vapors from cooking.

CARE AND MAINTENANCE

Maintenance of your window or patio door is important to keep it operating at its full potential. Here are some important steps to take throughout the year to keep your windows and doors looking beautiful.

1. Keep sill track clean of dirt and debris so water can flow freely to outside.
2. Keep all weep holes free of obstructions so water can flow freely to outside.
3. Inspect exterior caulking regularly and replace when necessary.
4. Clean and check operation of hardware and weather-stripping regularly and repair if necessary.
5. Keep weatherstrip clean of dirt and grit for proper seal. Wash with mild soap and water, rinse with water and wipe dry. Apply a light coat of wax (Lemon Pledge®) and wipe off excess.
6. Determine the source of any moisture that you see around your windows or doors and stop its entry and accumulation.
7. Immediately dry out any areas around your windows or doors that you observe are wet (immediate action is necessary to mitigate any damage to your home). The use of a dehumidifier, fan, or any warm air source will help dry out affected area.
8. Maintain relative humidity at moderate levels.

Vinyl Finish:

1. To clean, wash with mild soap and water. Heavy dirt and stains may require stronger cleaning compounds such as a vinyl siding cleaner. The surface can be wiped down with solvents such as turpentine, naphtha, nail polish remover (acetone) and alcohol. CAUTION: as some cleaners may mar or scratch vinyl.
2. Abrasive cleaners will scratch the surface and are not recommended.

Hardware:

1. Much like sterling silver even the finest brass will react naturally to the elements surrounding it. To maintain, polish with a nonabrasive automotive or furniture wax. By keeping your hardware cleaned and maintained you will be rewarded with a long-lasting finish.
2. Tighten screws when necessary.
3. Lightly oil as needed. Wipe off excess.

CAUTION: DO NOT USE paint thinners, lacquer thinner, gasoline, kerosene or any other harsh chemical to clean surfaces or hardware.



DOORS | WINDOWS
SIDING | STONE | ROOFING

provia.com

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P-MK-03055-20 | 2/20



ENDURE™ and **ASPECT™**
WINDOWS & PATIO DOORS WINDOWS & PATIO DOORS

WARRANTY

Vinyl Windows & Patio Doors

Endure™ • Aspect™

IMPORTANT REMINDER

Register Your Product Warranty at
provia.com/warranty

Or Transfer an Existing Warranty

ProVia LLC, hereinafter "ProVia", warrants to the original consumer purchaser, that under normal use this product will be free from defects in material and workmanship for as long as the purchaser owns and lives in the single family residence, hereinafter "Home", in which the product was installed. The details of the warranty are as follows:

BASIC WINDOW OR PATIO DOOR UNIT - LIFETIME TRANSFERABLE

The rigid vinyl in the window or patio door is warranted against chipping, cracking, peeling, pitting, or blistering, for as long as you own and live in the Home in which the product was originally installed. This warranty is transferable to one subsequent purchaser.

PAINT/STAIN FINISH - 15 YEAR / 10 YEAR

ProVia further warrants the factory-applied paint on exterior vinyl window components against cracking, pitting, peeling, blistering or suffering from non-uniform fading discoloration (non-uniform fading discoloration resulting from unequal exposure of surfaces to the sun and elements is not covered by this warranty) and defects in material and workmanship for a period of fifteen (15) years from date of installation.

ProVia further warrants the factory-applied paint or stain finish on interior wood components against flaking, checking, blistering or peeling and defects in material and workmanship for a period of ten (10) years from date of installation. Damage to the paint or stain finish caused by condensation and normal wear are not covered.

HARDWARE - LIFETIME

ProVia further warrants the moving parts, such as balances on double-hung windows and locking mechanisms in all units, for as long as the original purchaser owns and lives in the Home in which the product was originally installed, if those parts are not free from defects in material and workmanship under conditions of normal use and wear.

PATIO DOOR HANDLES LIFETIME / 1 YEAR

ProVia further warrants all patio door handles with a Bright Brass, Satin Nickel or Aged Bronze finish against tarnishing for as long as you own and live in the Home in which the product was installed.

Patio door handles with a painted finish, Flat Bronze, Modern Bronze or Antique Brass finish are warranted against flaking, checking, blistering or peeling for a period of (1) year from date of installation.

INSULATED GLASS UTILIZING SUPER SPACER® - LIFETIME

ProVia further warrants the insulated glass units utilizing Super Spacer in its vinyl windows or patio doors against defects resulting in material obstruction of vision as the result of film formation between the interior glass surfaces caused by failure of the air-tight seal, for as long as the original purchaser owns and lives in the Home in which the product was originally installed. Small spots, marks, lint, and scratches not exceeding applicable glass manufacturing specifications imposed by Federal Specification 1036-90 will not constitute defects under this warranty.

GLASS BREAKAGE - LIFETIME

ProVia further warrants the insulated glass units utilizing Super Spacer in its vinyl windows or patio doors against breakage as follows: (1) If the glass in a properly registered and warranty covered unit breaks as the result of a manufacturing defect; (2) In the event of an accident in the Home that is not covered by insurance or is of an amount that is within the insurance policy deductible, ProVia will replace the glass free of charge, for as long as the original purchaser owns and lives in the Home in which it was originally installed.

INTERNAL BLINDS - 10 YEAR

Internal blind units are warranted against seal failure and defects in material and workmanship for a period of ten (10) years from date of installation.

SCREENS - LIFETIME

Further, ProVia will replace under normal conditions of use, for as long as the original purchaser owns and lives in the Home in which the product was originally installed; for manufacturing defects, if the fiberglass, aluminum or stainless steel screening is not free from rotting, staining, or rusting. No warranty herein covers torn screen mesh caused by abnormal use, negligence, or other means not controlled by ProVia.

FLEXSCREENS - LIFETIME

Further, ProVia will replace under normal conditions of use, for as long as the original purchaser owns and lives in the Home in which the product was originally installed; for manufacturing defects, if the fiberglass screening is not free from rotting, staining, or rusting. No warranty herein covers torn screen mesh caused by abnormal use, negligence, or other means not controlled by ProVia.

BAY & BOW WINDOWS - 10 YEAR

Bay and Bow window frames and roof kits are warranted against defects in material and workmanship for a period of ten (10) years from date of installation.

TRANSFERABLE WARRANTY

The Warranty on the basic window or patio door unit is transferable by the original purchaser to one subsequent purchaser for purchaser's personal residence provided the warranty transfer is completed within thirty (30) days after the date of transfer of ownership. Warranty transfers must be completed online at www.provia.com/warranty.

NON-RESIDENTIAL

Where the structure in which the product is installed is not a single family residence occupied by the purchaser, or is owned by a public or private corporation for profit or non-profit, an unincorporated association or other business entity of any type recognized

by law, a church, a school, a governmental or public authority, the time periods stated in this warranty shall be limited as follows: Basic Window or Patio Door Unit – 5 Year (non-transferable); Hardware - 1 Year; Insulated Glass – 10 Year (glass breakage not included); Internal Blinds – 5 Year; Screens – 5 Year; and Finishes – 1 Year.

WARRANTY CONDITIONS

No warranty herein covers natural weathering or fading of surfaces, torn screening, non-factory applied finishes (e.g. customer applied tints, films or paint finishes), damages resulting from customer applied tints, films or paint finishes, damages resulting from improper installation, abuse, negligence, abnormal or unreasonable use (including failure to provide reasonable and necessary maintenance), damage resulting from fire or lightning, windstorms, earthquakes, wind-borne objects, strain applied to the unit by movement of the building, inadequate provision for expansion or contraction of framing members, installation in ships or vehicles, installation outside the Continental United States, seal failure, if the seal has been subject to immersion in water, acts of God, or other causes beyond the control of ProVia except as expressly warranted, whether similar or dissimilar to the foregoing.

Condensation on units may occur as the natural result of humidity within the house or building area. This natural result may come from changes in interior or exterior temperatures and does not indicate a defect in the unit. This warranty does not cover condensation, nor frost or freezing from condensation on the unit.

On some installations, caulking is used to seal the frames or trim packages against water or air penetration. Caulking is not considered a part of the window or door, and therefore, is not covered under this Warranty. Caulking is normally considered a maintenance responsibility of the purchaser.

The procedure for obtaining performance of the obligations of this warranty is as follows: if you believe your unit to be defective, contact the contractor for inspection. If the contractor determines the unit or parts thereof to be defective, the manufacturer at its exclusive option will repair, provide a new product or part of a product after having determined that it does not conform to the limited warranties contained herein. The manufacturer reserves the right to discontinue or make changes in any of its products. If the products covered by this warranty are not available, the manufacturer shall have the right to substitute a product that is of equal quality or value. The manufacturer will ship the replacement product or part to the nearest authorized dealer and the purchaser must pay for any and all labor necessary to install such product or part and for the transportation from the nearest authorized dealer to his/her residence.

Any claim must be accompanied by a copy of the Warranty certificate and a copy of the contract evidencing purchase of the ProVia products.

PROVIA SHALL NOT BE LIABLE TO PURCHASER FOR CONSEQUENTIAL DAMAGES, SUCH AS, BUT NOT LIMITED TO, DAMAGES OR LOSS TO OTHER PROPERTY OR EQUIPMENT, LOSS OF USE, OR CLAIMS OF SERVICE INTERRUPTION, FOR BREACH OF ANY WRITTEN OR IMPLIED WARRANTIES ON ITS PRODUCT.

PURCHASER'S EXCLUSIVE REMEDY SHALL BE THE REPLACEMENT OF DEFECTIVE FINISH, COMPONENTS, OR PARTS, ALL AS PROVIDED HEREIN. IN ANY EVENT, THE LIABILITY OF PROVIA WITH RESPECT TO ANY CONTRACT, OR ANYTHING DONE IN CONNECTION THEREWITH SUCH AS THE PERFORMANCE OR BREACH THEREOF OR FROM THE MANUFACTURE, SALE, DELIVERY, RESALE, INSTALLATION OR TECHNICAL DIRECTION OF INSTALLATION, REPAIR OR USE OF ANY WINDOW, PATIO DOOR, COMPONENT OR PART COVERED BY OR FURNISHED UNDER THIS CONTRACT WHETHER IN CONTRACT, IN TORT, UNDER ANY WARRANTY, OR OTHERWISE, SHALL NOT, EXCEPT AS EXPRESSLY PROVIDED HEREIN, EXCEED THE PRICE OF THE WINDOW, PATIO DOOR, PART OR COMPONENT ON WHICH SUCH LIABILITY IS BASED.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to purchaser.

THIS WRITING CONTAINS THE ENTIRE AGREEMENT BETWEEN PROVIA AND PURCHASER. DEALERS, CONTRACTORS, APPLICATORS, OR DISTRIBUTORS OF PROVIA PRODUCTS HAVE NO AUTHORITY TO GIVE WARRANTIES ON PROVIA'S BEHALF, THAT ARE DIFFERENT FROM OR EXCEED THOSE LISTED HEREIN. PURCHASER SHOULD THEREFORE EXAMINE THIS LIMITED WARRANTY CAREFULLY.

ALL WARRANTIES, WHETHER EXPRESSED OR IMPLIED, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE TERMS HEREOF.

Some states do not allow limitations on how long an implied warranty lasts; so the above limitations may not apply to purchaser.

This Lifetime Limited Warranty extends only to the windows and/or patio doors which were originally installed in your Home or other structure as recorded on the warranty registration and shall not be valid or enforceable if you cannot prove that the windows and/or patio doors were so installed. To establish a record of your purchase please register your warranty online at www.provia.com/warranty.

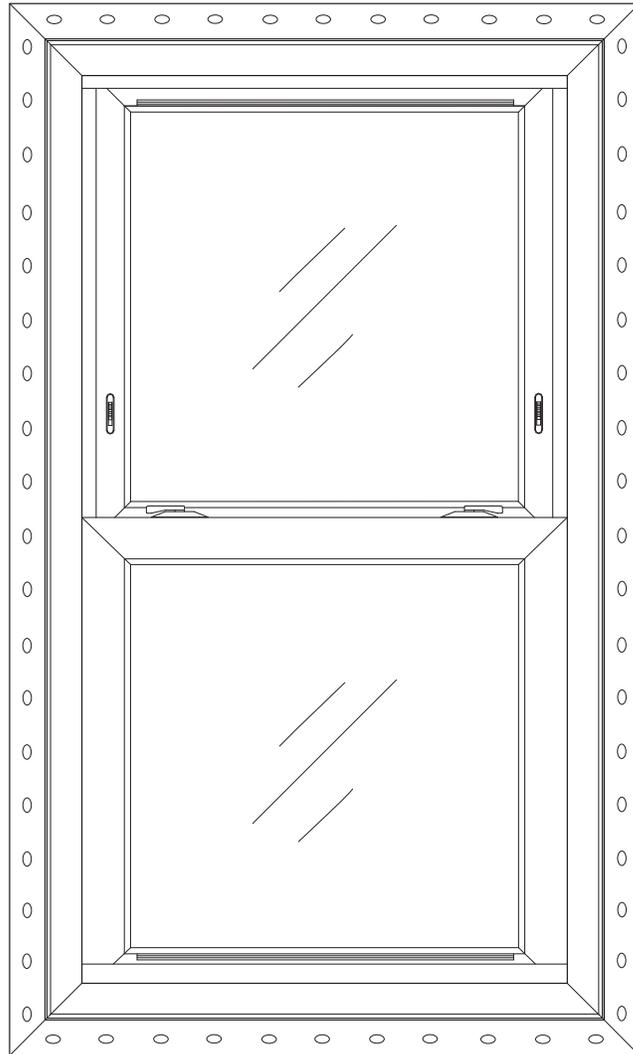
Important Note: Failure to fill out the online warranty registration form will not affect your rights under the warranty if you can show the date of purchase and the location the windows and/or patio doors were installed in a reasonable way. (Your receipt of purchase and the receipt from the contractor who made the installation in your Home showing the address is one such way. Please keep them in a safe place.)

This warranty gives purchaser specific legal rights and he or she may also have other rights which vary from state to state.

11/22/2019 - 1.0



INSTALLATION INSTRUCTIONS VINYL DOUBLE-HUNG WINDOW WITH NAIL FIN (ASPECT™ AND ENDURE™)



**** Find QR Codes inside for additional information,
helpful installation tips and videos.***



Contact the local recycling waste management center for waste disposal in the area. Always check local waste requirements and carefully dispose of waste in accordance with Federal and other regulations.



Homes built before 1978 may contain lead paint. All replacement installations must comply with the U.S. EPA's Lead-Based Paint Renovation, Repair, and Painting Program (RRP Rule). Read more about the RRP Rule and lead-safe work practices, on the U.S. EPA's website at: www.epa.gov/lead



GETTING STARTED

TOOLS & MATERIALS YOU WILL NEED

- Tape Measure
- Pencil
- Shims
- Drill & Drill Bits
- Utility Knife
- High Quality Silicone Caulking in accordance with ASTM C-920, Class 25 & Caulking Gun.
- AAMA approved Low-Expanding Window Insulation Foam in accordance with ASTM C-1620.
- Putty Knife
- Square
- Level
- Hammer or Mallet
- (1) Box Stainless Steel or Galvanized Roofing Nails
- 6" or 9" Adhesive Flashing Tape in accordance with ASTM D-779
- Weather-Resistant Barrier Paper



REMEMBER: ALWAYS USE THE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.



Read these instructions carefully before starting installation. Product warranty does not cover damages resulting from improper installation.

IMPORTANT NOTES BEFORE YOU BEGIN

- Inspect your package for any visible damages to the product. In addition, double check your paperwork with label on product(s) and verify all information is a match. Open packaging to confirm style, color and that order was shipped complete. Double check size of new unit by comparing it for fit to opening. If damages or irregularities are found, please document with pictures and call Customer Service, 1-800-669-4711.
- If you have ordered optional items, verify that they are included in packaging contents. This includes checking for multiple packages (For example, 1 of 2 and 2 of 2).
- For a helpful video on How to Install a Double Hung Replacement Window, please scan the Quick Reference Code shown by using your QR Code Scanner App. No QR code scanner app? Visit your phone's app store to find a free app.



VINYL WINDOW DOUBLE-HUNG CONTENTS

NOTE: Please refer to information below for the assembly and installation contents.

Assembly Contents

- Vinyl Window Unit (3¼" Main Frame Depth) with Nail Fin (Attached or Shipped Loose)
- Optional Parts:
 - Nail Fin with J-Channel - Shipped Loose, Part #: S-VE-4471-CC
 - Brickmold with or without Sill - Shipped Loose, Brickmold, Part #: S-VE-8367-CC
Sill, Part #: S-VE-8366-CC
 - Mullion Kit, Zero Mull Rebar, Part #: S-AE-4710-00
Zero Snap Mulls, Part #: S-VE-4492-CC

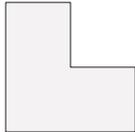
Installation Pack

S-HS-521S-CC
(CC = Color Code)

- (6) 3/8" Low Profile Hole Plug, (Color Matched), Part #: S-HG-698-CC 
- (6) #8 x 2" Phillips Pan Head Screws, Part #: S-HS-046-00 
- (2) #6 x ½" Phillips Pan Head Screws, (Color Matched), Part #: S-HS-783-CC 
- (Use for optional Head Expander on non-nail fin units)

Optional Accessory Installation Pack

S-HG-330S-00

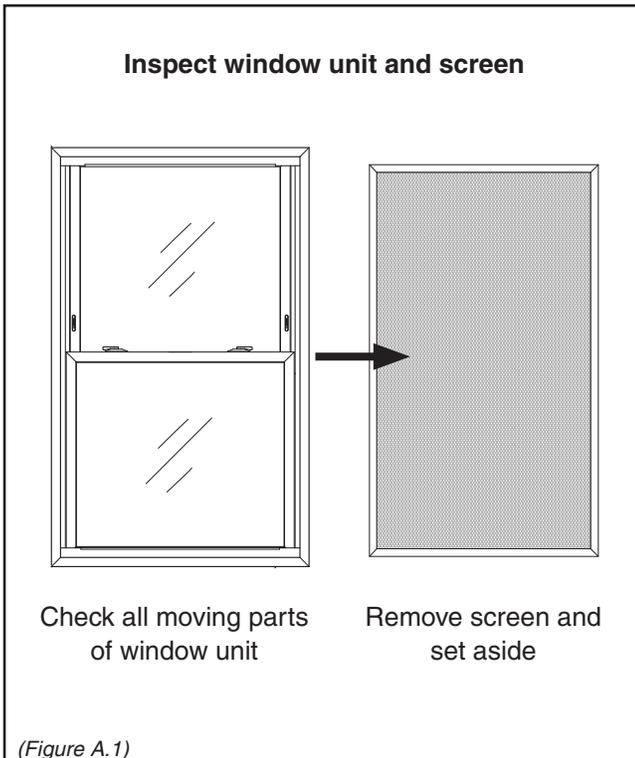
- (2) Nailing Fin Corner Seal, Part #: S-HG-330-00 
- (1) Field Installation Instruction for Vinyl Accessories
- (16) #6 - 20 x 3/8" Phillips Pan Head Screws, Part #: S-HS-771-00 

VINYL WINDOW INSTALLATION GUIDELINES

- Windows achieve maximum performance from proper installation methods such as square frame, level sill and constant margins between sash and master frame.
- A window gains strength from the surrounding wall structure. This is obtained with proper sizing, support and installation methods.
- Use a high quality grade of silicone with a neutral base. A silicone which releases an acetic acid during the curing process will not adhere to the vinyl.
- Approved sealants for this use must meet the requirements of ASTM C-920, Class 25.
- The plastic applied to UV resistant paint finish windows is for the protection of the paint finish and should remain on the window until the installation is complete.
- **DO NOT OBSTRUCT WEEP HOLES** with flashing or sealant. The weep holes located at the bottom sill area of window are necessary to prevent water accumulation. Covering or applying trim to the product will need to allow for proper drainage. Failure to do so will create a risk of water infiltration.
- Windows should be stored in a cool location. **DO NOT** store in direct sunlight or in non-vented hot containers.
- **IMPORTANT!** Allow for expansion and contraction of the window unit when contacting exterior finish material. For installation of the finished exterior material surrounding the window, refer to the QR code shown for all gap recommendations per exterior material type.
THIS INFORMATION MUST BE PASSED TO THE EXTERIOR FINISH INSTALLER.
- Window flashing must be used with all window installations to prevent air and water infiltration. Flash all windows in accordance with the ASTM E2112 standards (method A1, shown in this instruction). Use 6" or 9" adhesive flashing in all applications or conform to local code.
- All flashing material must be waterproof in accordance with ASTM D-779. Use a roller over the applied tape to ensure full adhesion and no voids.
- All flashing and weather resistant barrier (house wrap/building paper) materials must be installed in a weatherboard fashion. Install and layer starting at the bottom and work upward.
- Fasteners for securing the nail fin of the window must be non-corrosive galvanized roofing nails or pan head screws. Nails should be at least 1¾" in length with the head of the roofing nail wide enough to cover the pre-punched slot of the nailing fin. The roofing nail must be able to penetrate the framing material by at least 1". Pan head screws should be at least 1¾" in length and should NOT deform the nail fin.
- **DO NOT INSTALL** new construction nail fin onto foam or non-skid material.
- **DO NOT INSTALL** roofing nails into nailing fin with an air gun or pneumatic device. Doing so will cause distortion or fracture of the nailing fins. All nailing fins must be secured by hand through the pre-punched nailing holes.



A. GENERAL - INSPECT AND PREPARE VINYL WINDOW UNIT



IMPORTANT! Window units with painted exterior, DO NOT remove the protective plastic cover until after installation is completed.

1

Inspect new window unit and screen for any material damages. Check all moving parts; locks, balances, glass, rails, etc.

NOTE: Moving parts can be repaired AFTER window is installed. Contact dealer or Customer Service with pictures and order number for replacement parts.

2

Remove screen and carefully set aside. Screen will be re-installed after completion of installation.

3

After inspection, close and lock window unit to engage seals, locks, interlocks, and weatherstripping.



IMPORTANT INFORMATION!

• ProVia understands there are various methods and conditions affecting the installation of a window unit. We feel the most critical steps to follow are securing and shimming as instructed in this document.

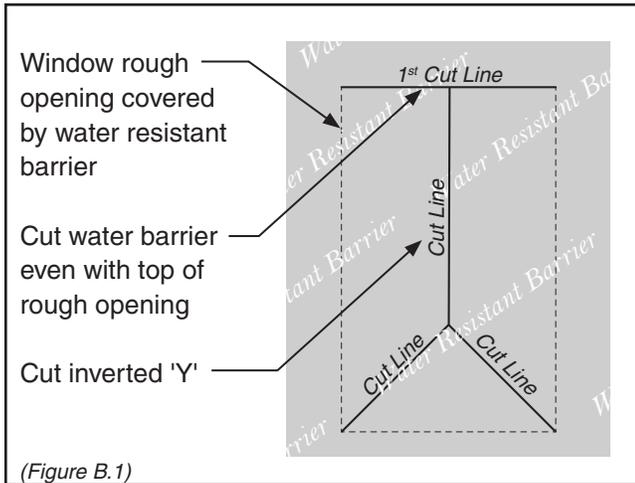
FIELD MULLED WINDOW UNITS:

• Refer to Section E, Field Mulling Window Units, page 14. Units must be mulled together before window unit is set into the opening.

VINYL WINDOW ACCESSORIES (ATTACHED OR SHIPPED LOOSE):

• Refer to Section G, Install Vinyl Accessories, page 15. Accessories must be installed on window unit before installing into the opening. For accessories shipped loose, please see additional instruction included with Installation Pack S-HG-330S-00.

B. WATER RESISTANT BARRIER



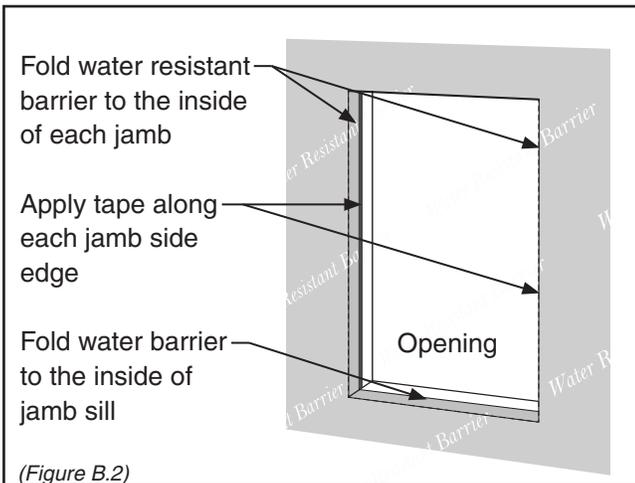
1

If water resistant barrier is covering window rough opening, cut as follows to expose opening.

- Cut the water barrier even with the top edge of the rough opening.
- Cut the water barrier at an inverted 'Y' in center of rough opening, each leg at a 45° angle to corner, as illustrated. (Figure B.1)

2

Fold the water resistant barrier to the inside of each jamb side and jamb sill. Trim each flap to center of jamb. (Figure B.2)



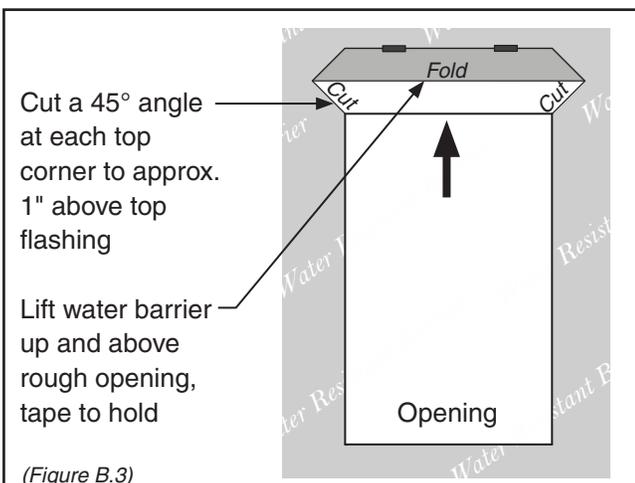
3

Apply adhesive flashing tape to the water resistant barrier cut edge at each jamb side to seal edges. (Figure B.2)

NOTE: DO NOT apply tape to the top or bottom cut edge of the water barrier until noted in the instruction.

4

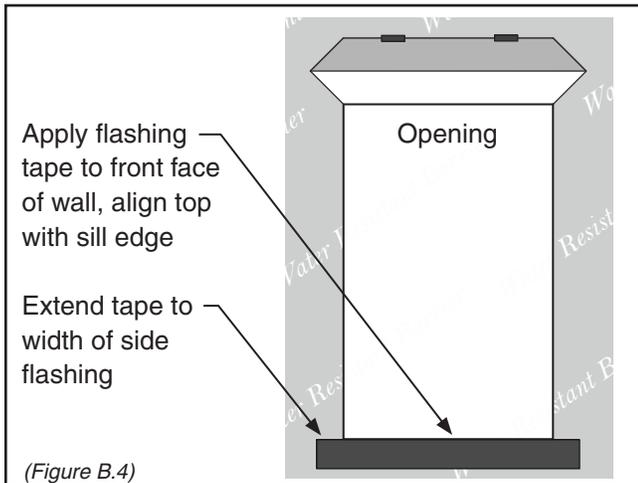
Cut a 45° angle in the water resistant barrier at each top corner to approximately 1" above top flashing. Cut should extend high enough to be above header flashing tape (to be installed in later step). (Figure B.3)



5

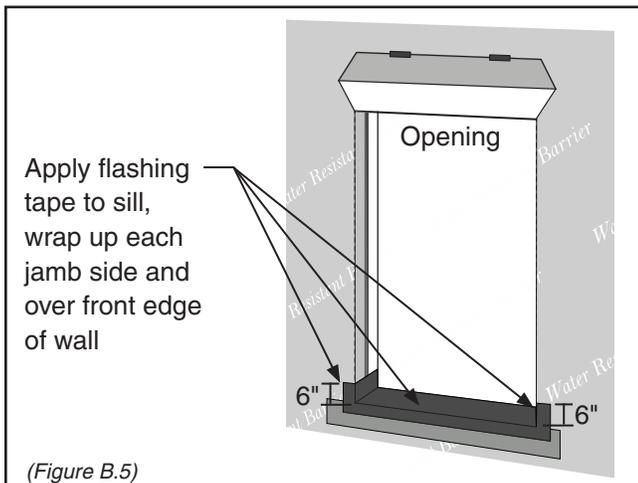
Lift the water resistant barrier flap up and away from rough opening. Apply adhesive tape to hold in place, as illustrated. (Figure B.3)

B. WATER RESISTANT BARRIER (CONTINUED)



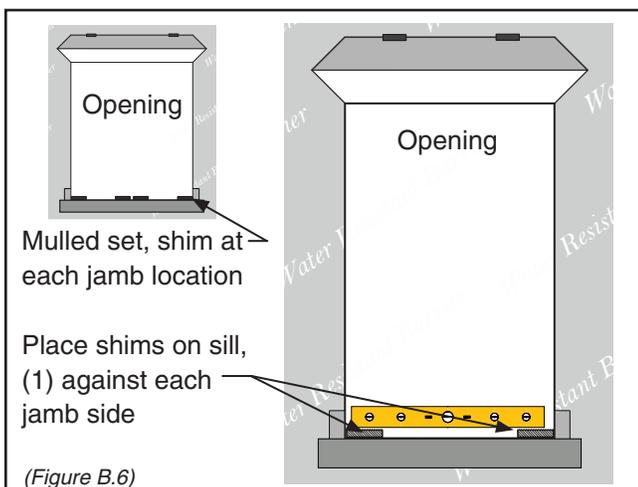
6

Apply adhesive flashing tape to the front face of wall, below sill. Top of tape should align with the sill edge. Extend each end of the flashing tape to width of side flashing (to be installed in a later step). (Figure B.4)



7

Apply adhesive flashing tape to the sill. Tape should begin and end approximately 6" above sill on each jamb side. Be sure to wrap tape over the front edge of wall, as illustrated. Wrapping tape will seal and protect wood from moisture leakage. (Figure B.5)

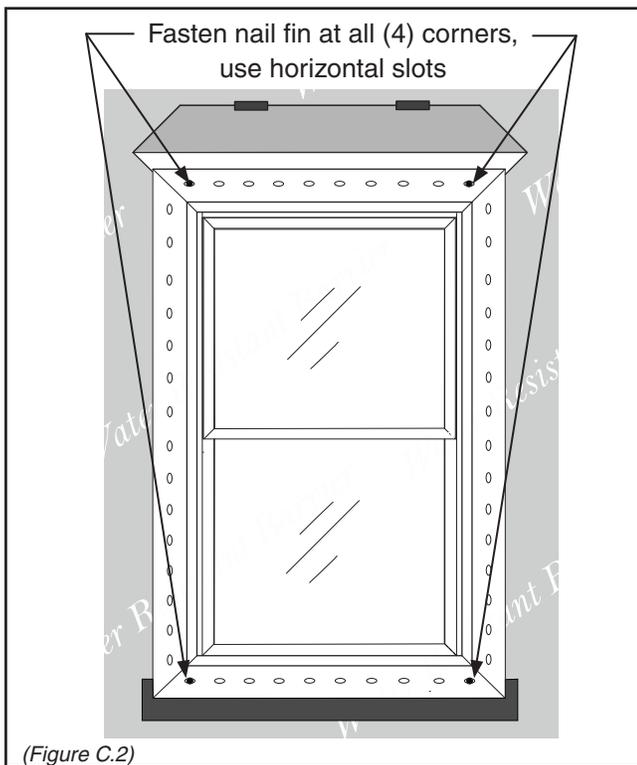
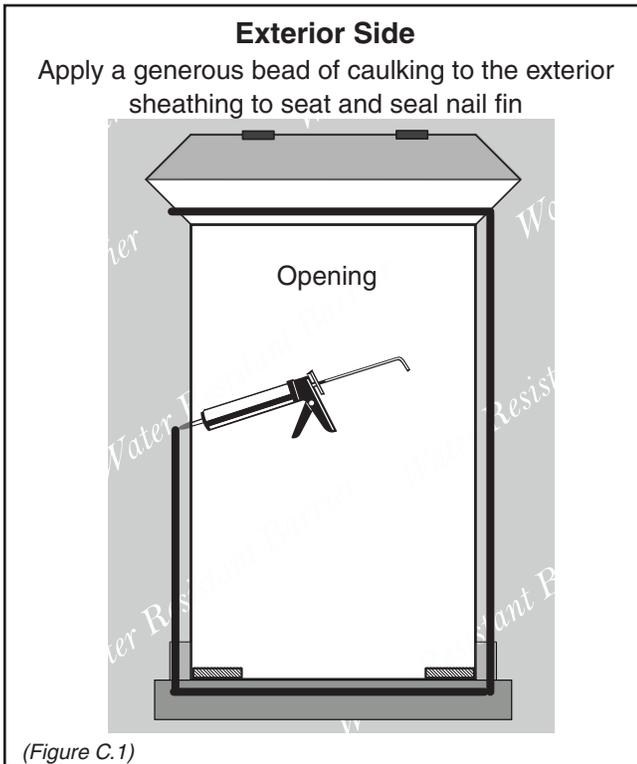


8

Place and level shims on the sill, (1) against each jamb side of opening. Shims will provide support to window jambs and level window sill. Be careful shims DO NOT tilt sill toward inside of home. For mulled sets, place shims under all side jamb locations. (Figure B.6)

NOTE: If foam wrap is used under sill, shim thickness **MUST** be increased to prevent foam wrap from crowning the sill.

C. SET WINDOW UNIT



1

Apply a generous $\frac{3}{8}$ " bead of continuous caulking to the exterior sheathing to seat and seal nail fin when installed.

(Figure C.1)

NOTE: Option to apply a $\frac{3}{8}$ " bead of continuous caulking to the backside of the nail fin to form a complete seal to sheathing.

2

Before setting unit in place, make sure sashes are locked.

3

Place window unit into the opening and onto sill shims. Center and square unit in opening. Push nail fin against sheathing and water resistant barrier to bed window unit, forming a tight seal between window unit and water barrier.

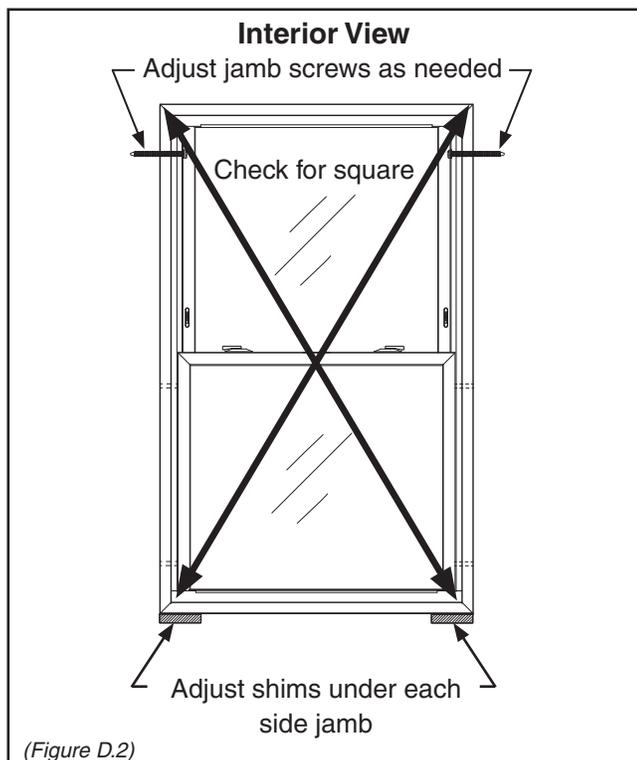
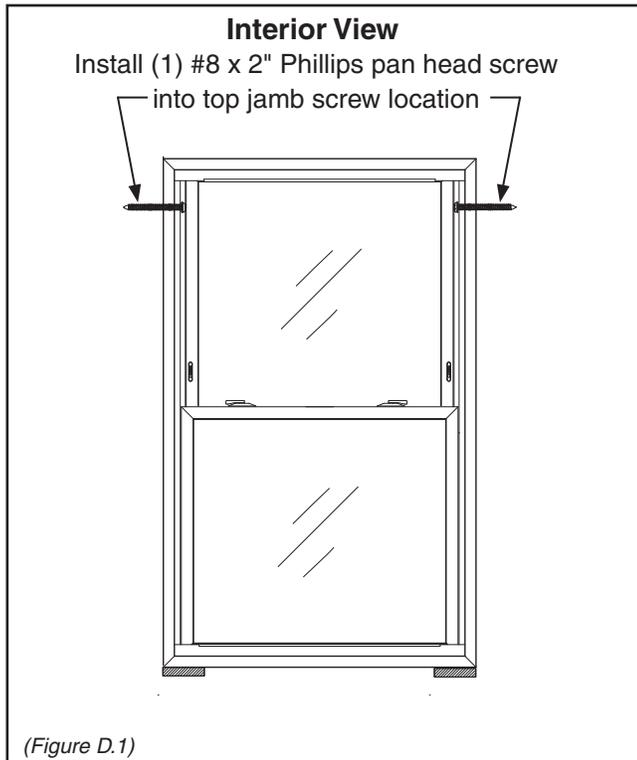
NOTE: Install window unit immediately after the caulking is applied and before a skin forms on the caulking's surface.

4

After sill is shimmed, levelled, and preliminary squared, install a fastener into the horizontal slot at each corner of nail fin to secure window unit in place. **DO NOT OVER TIGHTEN FASTENER.** This will allow for adjustment in following steps. (Figure C.2)

NOTE: DO NOT use power tool to install fasteners.

D. INSTALLATION



1

With sill shimmed and levelled, install (1) #8 x 2" Phillips pan head screw into each factory prepped top jamb screw location to hold in place. **DO NOT OVER TIGHTEN screw causing frame to pull!** (Figure D.1)

2

Check for overall square of window unit by measuring diagonally from corner to corner, each side. Adjust top jamb screws as needed. (Figure D.2)

NOTE: Recommended tolerance for the diagonal measurement is $\frac{1}{8}$ " per 48".

3

Use sill shims to adjust sill for level as needed. (Figure D.2)

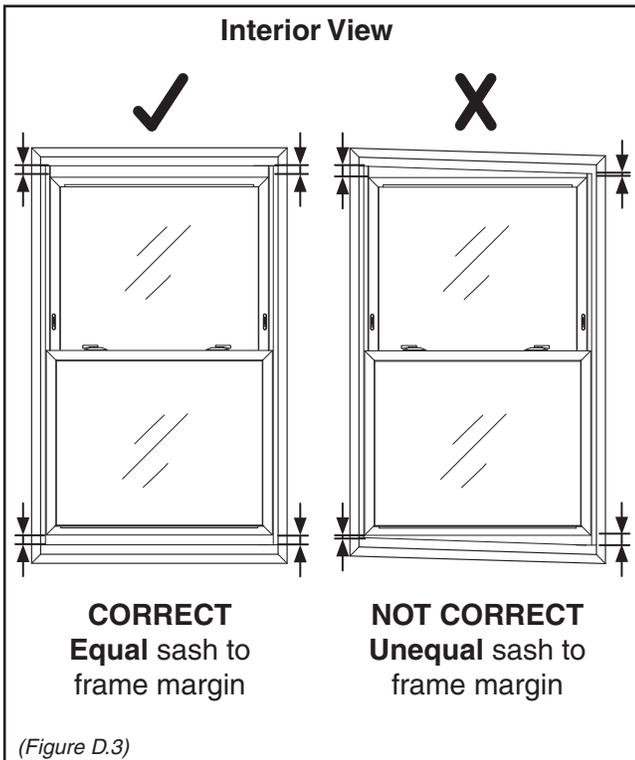
NOTE: For window units 36" wide or greater, an additional shimming location may need to be added to prevent sill from deflecting.

REMINDER: If foam wrap is used under sill, shim thickness **MUST** be increased to prevent sill from crowning.



IMPORTANT! A level sill is critical. If sill is not straight and level, it must be shimmed as instructed for proper operation of the window. **Be careful to NOT over shim. Improper shimming may change margins and jeopardize operational performance.**

D. INSTALLATION (CONTINUED)



4

Check for equal sash to frame header margin and sash to frame sill margin. Slightly lower top sash and slightly raise bottom sash. The margin between each sash to frame should be equal and parallel the full width of window unit. See illustration for equal and unequal sash to frame margins. *(Figure D.3)*

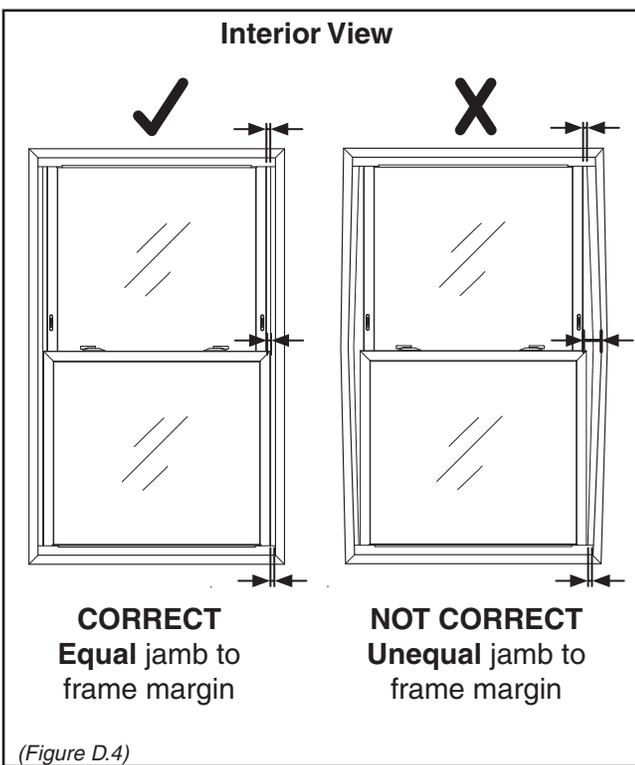
NOTE: Recommended margin tolerance for width of window unit is $\frac{1}{16}$ " per 24".

5

Check for equal jamb to frame margin. Jamb margins should be equal and parallel the full height from top to bottom of unit. The sash to frame margin widths are critical for obtaining the best air resistance performance. *(Figure D.4)*

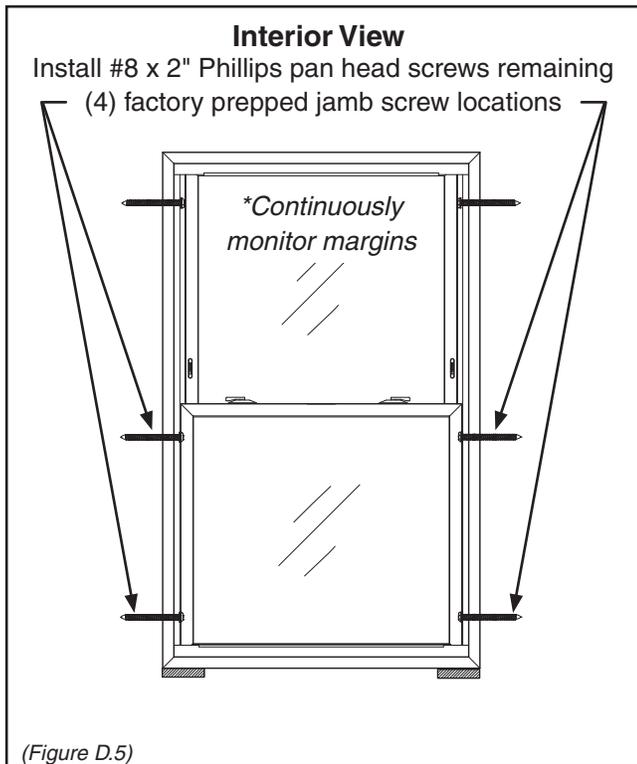
NOTE: Optimal vertical margin gap is $\frac{3}{32}$ ", with an acceptable margin tolerance between $\frac{1}{16}$ " and $\frac{1}{8}$ ". Greater than $\frac{1}{8}$ " is too wide and less than $\frac{1}{16}$ " can be too tight.

NOTE: Weatherstrip contact between the sash and frame **MUST** be maintained.



IMPORTANT! All margins need to be **CONTINUOUSLY** monitored throughout full installation.

D. INSTALLATION (CONTINUED)

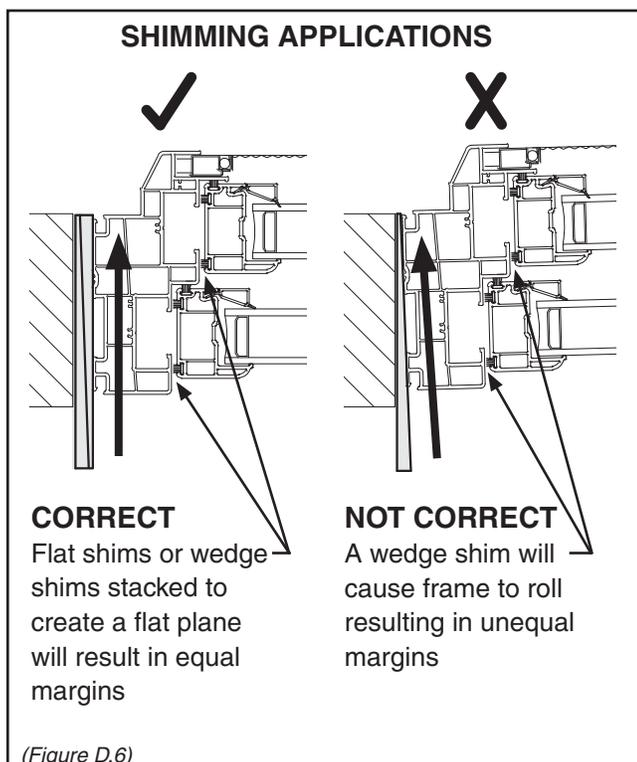


Shims can be installed prior to installation of screws. It is critical to monitor margins through this installation method.

6

Install (4) #8 x 2" Phillips pan head screws. Place (1) screw in each remaining factory prepped jamb screw locations. First install bottom screws followed by middle on each jamb side. The bottom sash will need tilted to the inside to expose the center factory prepped holes. **DO NOT OVERTIGHTEN SCREWS!** (Figure D.5)

NOTE: Additional jamb screws may need added to stabilize frame. Pre-drill $\frac{3}{8}$ " hole through first wall of frame.

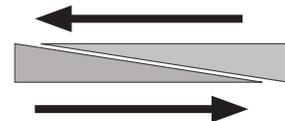


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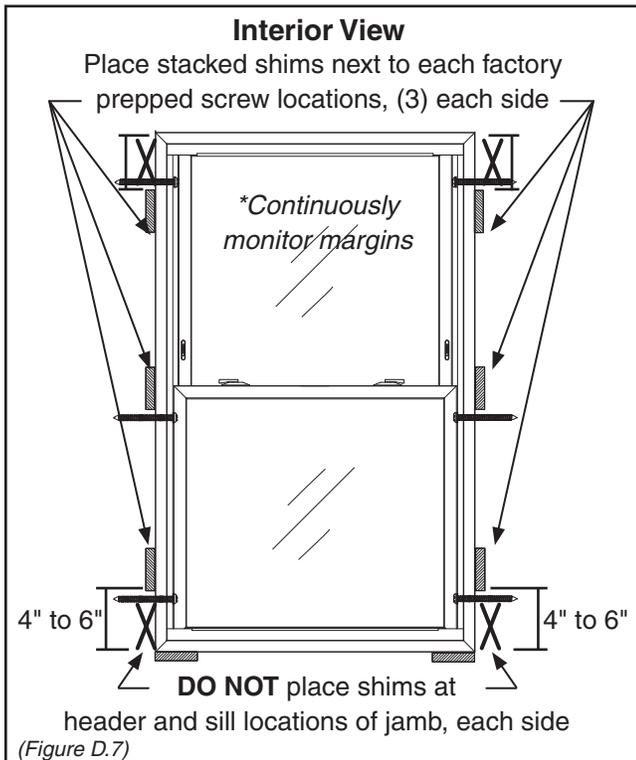
Adjust the jamb screws as required to achieve equal and straight margins. Check margins. **Refer back to Figures D.3 and D.4**



IMPORTANT! CORRECT shimming application; stack wedge shaped shims contrasting and plane to plane. See diagram below. **DO NOT** use a single wedge shim. This will cause the frame to roll, resulting in unequal margins. (Figure D.6)



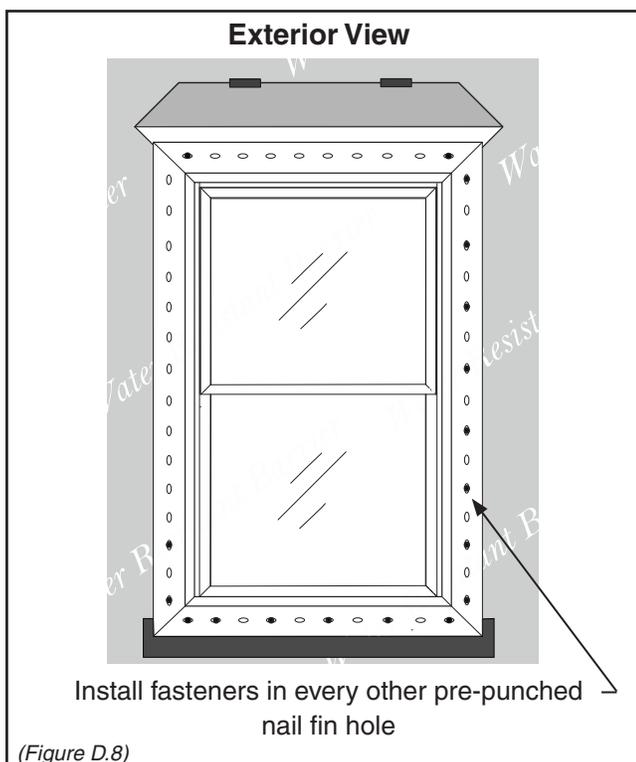
D. INSTALLATION (CONTINUED)



8

Place shims next to each factory prepped jamb screw locations, (3) each side. Be sure top shims are located 4" to 6" from top of unit and bottom shims are 4" to 6" from bottom of unit. If spacing between side jamb shims is greater than 12", additional shims may be needed to maintain margins and stabilize frame. Use shims to adjust margins as needed. **DO NOT over shim. Over shimming may change the margins and jeopardize operational performance.** (Figure D.7)

NOTE: To allow for vinyl expansion, **DO NOT** place shims at top header and bottom sill locations of jamb sides. Shimming in these locations will cause frame distortion.



9

Final check on all margins. Adjust shims and screws as needed to achieve and maintain equal and straight margins, all (4) sides. **Refer back to Figures D.3 and D.4.**

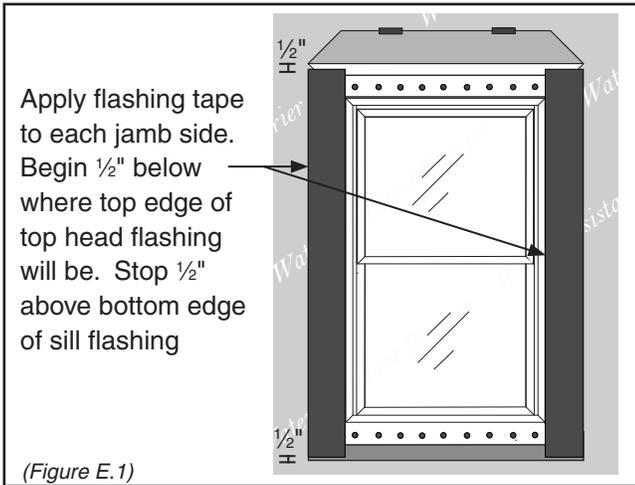
10

Check for proper operation of sashes
For sash operation issues, refer to the Troubleshooting Section, page 16 - 18.

11

Install fasteners in pre-punched nail fin holes, all (4) sides. Install fasteners in every other hole or as needed to keep nail fin flat. **DO NOT OVER TIGHTEN.** (Figure D.8)

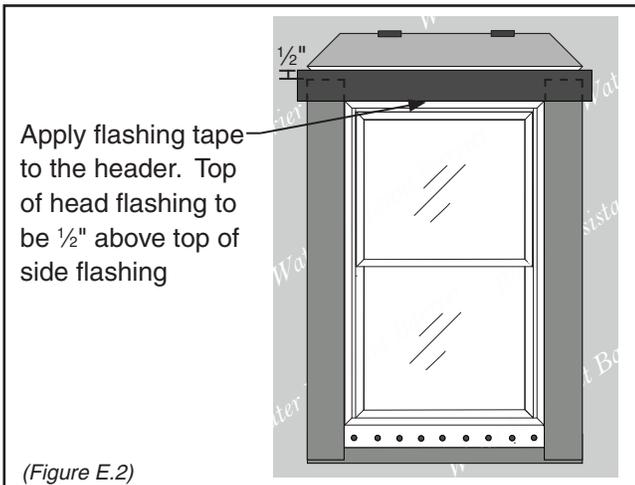
E. FLASHING



1

Apply adhesive flashing tape to each jamb side. Begin top of the side flashing approximately $\frac{1}{2}$ " below where the top edge of the top head flashing will be placed (Refer to Step 3). Stop the bottom of the side flashing approximately $\frac{1}{2}$ " above the bottom edge of the front face sill flashing. (Figure E.1)

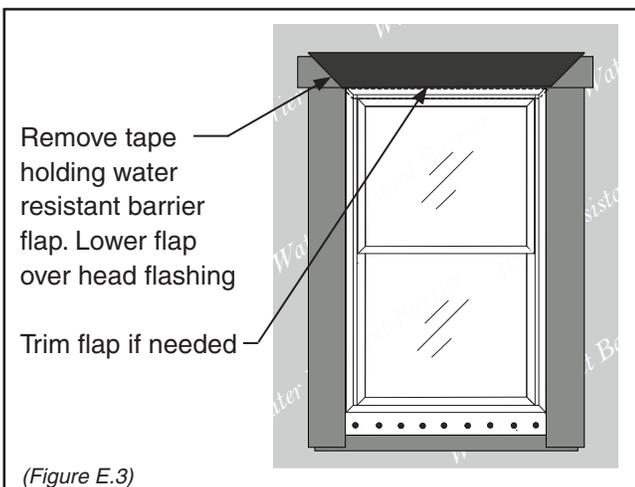
NOTE: If window unit has snap-in nail fin, wrap tape onto the window frame, approximately $\frac{1}{4}$ ".



2

Apply adhesive flashing tape to the header. Place the top of the head flashing approximately $\frac{1}{2}$ " above the top of the side flashing. Extend each end of the head flashing approximately 1" beyond the side flashing. (Figure E.2)

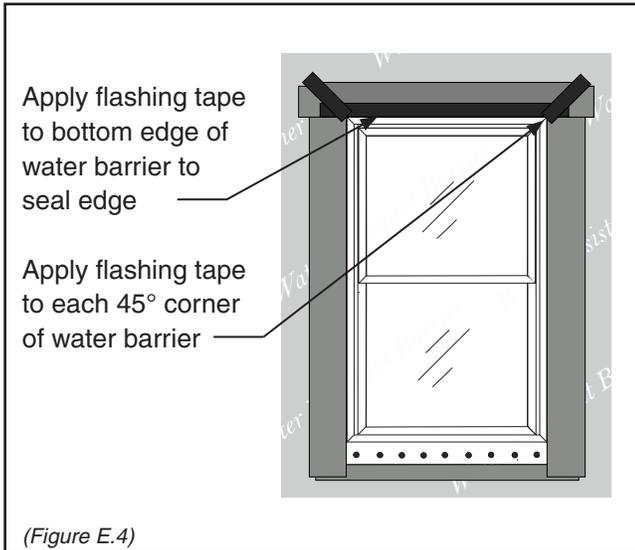
NOTE: If window unit has snap-in nail fin, wrap tape onto the window frame, approximately $\frac{1}{4}$ ".



3

Remove tape holding the water resistant barrier flap above header. Lower flap over the header flashing. Trim to top of window frame if needed. (Figure E.3)

E. FLASHING (CONTINUED)



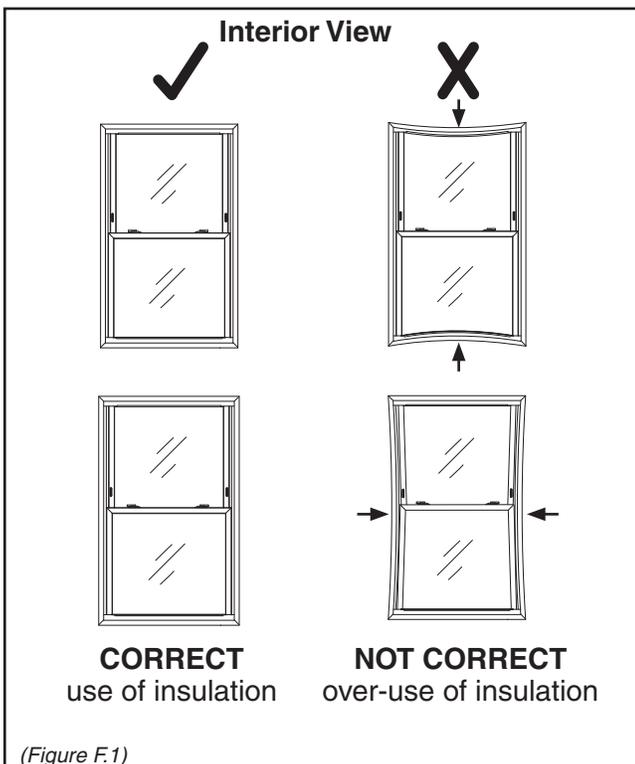
4

Apply adhesive flashing tape to bottom edge of the water resistant barrier flap, as shown. (Figure E.4)

5

Apply adhesive flashing tape to each 45° corner of the water resistant barrier for a complete seal. (Figure E.4)

F. INSULATE



1

Install hole plugs into all jamb screw locations.

2

Close and lock sashes.



Sashes must operate properly before application of foam insulation.

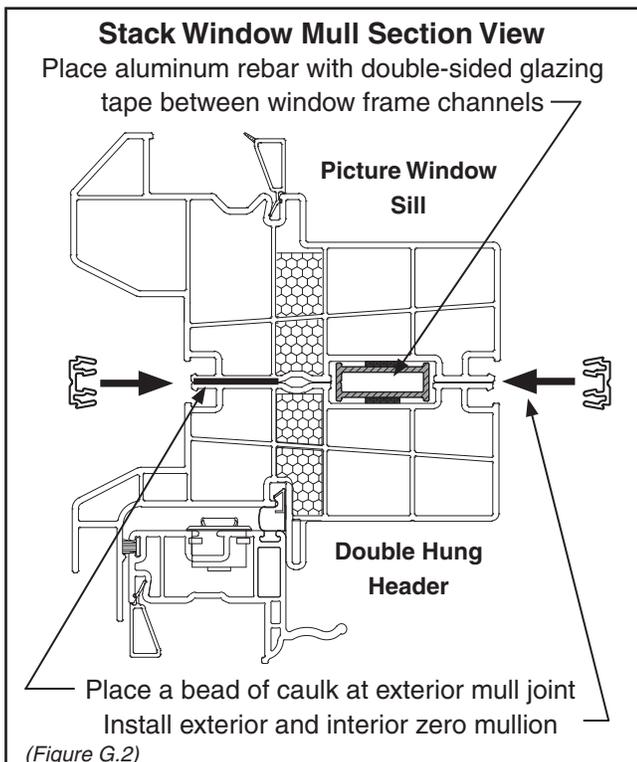
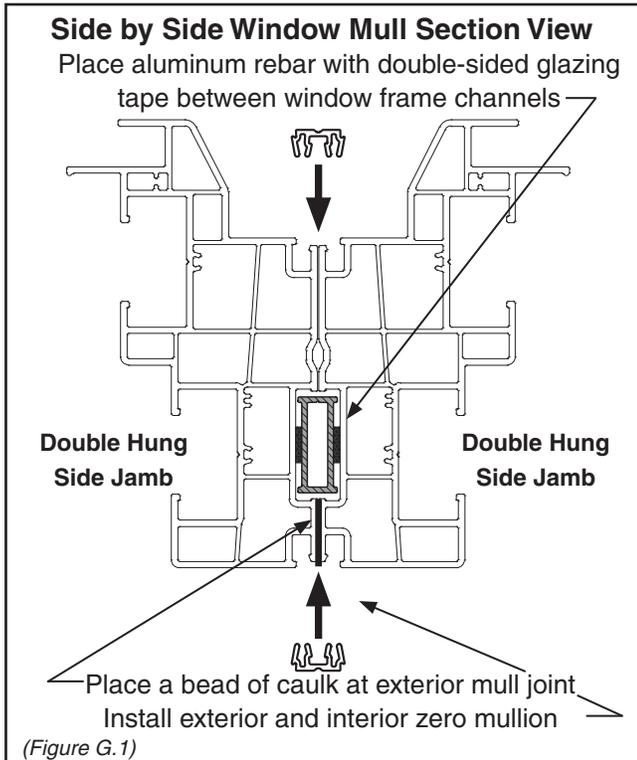
3

Insulate by using an AAMA approved ASTM C-1620 low-expanding foam to fill all cavities between frame and opening. Check and maintain all margins during insulation.



IMPORTANT! Over use of low-expanding foam may cause frame to bow; jeopardizing operational performance of window. (Figure F.1)

G. FIELD MULLING WINDOW UNITS



Field mulling will be required if finished mulled unit size exceeds a specific shipping size parameter. A multiple window unit may ship partially mulled, requiring field mulling to complete the assembly. Units must be mulled together before setting into the opening.

1

If window units are ordered factory mulled with additional window units to be field mulled, factory installed stacking plates may need to be removed in order to install aluminum rebar. Remove all #7 x 1/2" Phillips head screws and dispose. If there are no stacking plates to be removed, proceed to next step.

2

Remove backing from double-sided glazing tape, factory applied to each side of the aluminum rebar. (Figure G.1 & G.2)

3

Place aluminum rebar between window frame channels, vertical or horizontal as required. Be sure the glazing tape adheres to each window frame. Rebar should **NOT** extend beyond edge of unit. (Figure G.1 & G.2)

4

If mulled units are stacked to create either a T-joint or a cross joint, the exterior accessory groove must be fully caulked at the intersection and 6" in each direction.

5

Place a bead of caulk at all exterior mull joint locations. Be sure all voids between mulled frames are sealed.

6

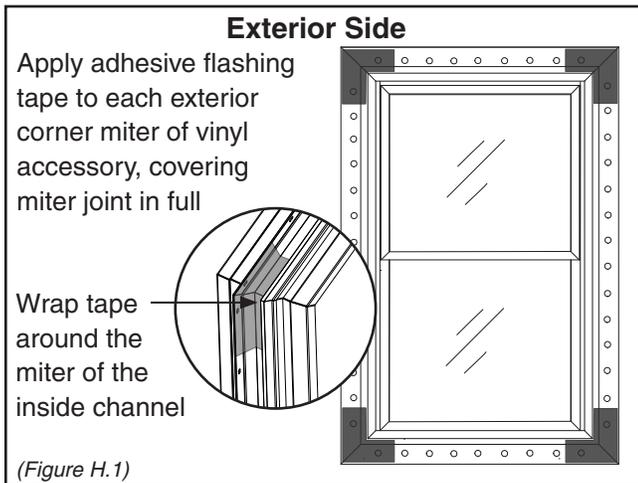
Install the exterior and interior zero mullion into frame accessory channels, as shown. (Figure G.1 & G.2)

7

Install stacking plates at all exterior mulled locations. Please refer to the "Vinyl Window Stacking Plate Installation Instruction" included with the stacking plate pack, part # S-HG-603P-00 or scan the QR code on back on this instruction.

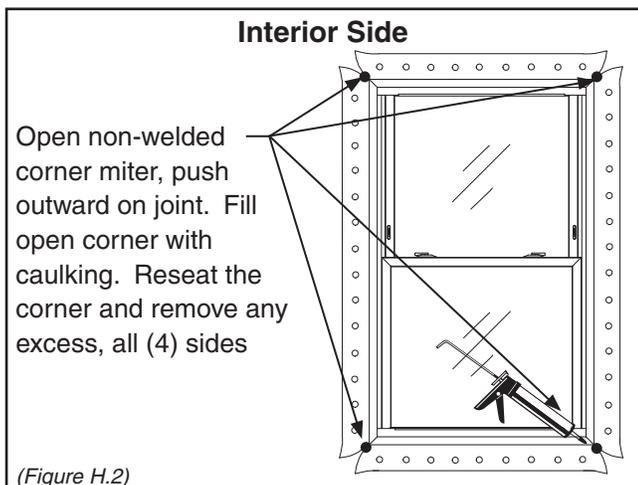
H. INSTALL VINYL ACCESSORIES

Nail Fin, Nail Fin with J-Channel, Brickmold with J-Channel, Sill Brickmold with J-Channel



If window unit was ordered with a vinyl accessory, follow the steps in this section. The vinyl accessory must be installed before setting into the opening. For accessories shipped loose, refer to installation instruction included in Installation Pack S-HG-330S-00 before proceeding to this section.

The steps provided in this section will apply to all vinyl accessories listed above, both factory installed and shipped loose.



1

If vinyl accessory is shipped loose, snap accessory in place, all (4) sides.

NOTE: For shipped loose brickmold with J-channel and sill brickmold with J-channel, refer to the 'Installation Instruction Loose Brickmold with Nailfin' included or scan QR code on back of this instruction.

2

Apply adhesive flashing tape to each exterior corner miter of the vinyl accessory. Be sure to cover miter fin joint in full. Continue wrapping tape around the miter of the inside channel for a complete seal. Refer to illustration section. (Figure H.1)

3

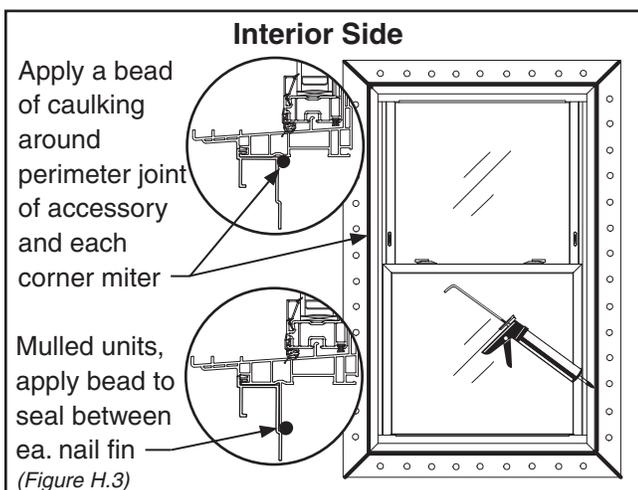
For mulled units and units with a field installed vinyl accessory, open the non-welded corner miter by pushing outward on joint. Fill the open corner with caulking. Reseat the corner and remove any excess. Repeat on all (4) sides. (Figure H.2)

4

Apply a bead a caulking along interior side of each closed corner miter to seal. (Fig. H.3)

5

Apply a bead of caulking around entire perimeter joint, where the vinyl accessory meets the frame for a complete seal. (Figure H.3)



NOTE: For mulled units using integral nail fin with J-channel, apply a bead of caulking around entire perimeter joint, where the end of the integral meets the backside of J-channel, as shown. (Figure H.3)



TROUBLESHOOTING & TIPS

PROBLEM	CAUSE	SOLUTION
Sashes will not lock	<ol style="list-style-type: none"> 1. Sill bows upward. 2. Head bows downward. 3. Frame racking / out of square. 4. Sash interlock legs are hitting. 5. Sashes left open for a period of time causing a hard bottom sash bulb seal. 	<ol style="list-style-type: none"> 1. Refer to corresponding 'Problem' listed below & this instruction. 2. Refer to corresponding 'Problem' listed below & this instruction. 3. Refer to corresponding 'Problem' listed below & this instruction. 4. Refer to corresponding 'Problem' listed below & this instruction. 5. Work fingers on bulb to soften or replace. Keep window locked at night until bulb has taken a more flattened set.
Sashes are tight when operating	<ol style="list-style-type: none"> 1. Excessive shimming of side jambs causing frame to be tight against sash. 2. Excessive foam along side jambs causing frame to be tight against sash. 3. Excessively tight jamb adjuster screws causing frame to be tight against sash. 4. Missing jamb screws at interlock causing frame to be tight against sash after foaming the jamb. 5. Installing fasteners in nail fin units prior to proper setting and alignment of window. 	<ol style="list-style-type: none"> 1. Re-shim window unit per this instruction. 2. Remove foam. Re-square and level window unit. Refer to this instruction for proper insulation procedure. 3. Loosen jamb adjuster screws each side. Be sure jamb adjuster screws are equal each side. 4. Install jamb screws and shim per this instruction. 5. Remove fasteners except at each corner. Square and level unit per this instruction. Set proper margins per this instruction before re-installation of nail fin fasteners.
Sill bows upward	<ol style="list-style-type: none"> 1. No shims below jambs. Critical on mulled units. 2. Over insulating below sill. 3. Installing sill extender before foam below sill has cured. 4. Insufficiently shimming under jambs when foam wrap is used under sill. 5. Installing fasteners in nail fin units prior to proper setting and alignment of window. 6. Supporting nail fin unit on bottom center fin hole. 7. Exterior trim is tight against window, not allowing for vinyl expansion in the heat. 8. Shims placed at top header and bottom sill locations, not allowing for vinyl expansion in the heat. 	<ol style="list-style-type: none"> 1. Add shims to window sill per this instruction. 2. Remove foam. Re-square and level window unit. Refer to this instruction for proper insulation procedure. 3. Remove sill extender and foam below sill. Re-foam and let cure completely before re-installation of sill extender. 4. Re-shim window unit per this instruction. 5. Remove fasteners except at each corner. Square and level unit per this instruction. Set proper margins per this instruction before re-installation of nail fin fasteners. 6. Remove fastener from center fin. Install a fastener at each corner of nail fin to secure window unit in place. 7. Refer to "Installing Exterior Veneers to Windows" QR code at end of this instruction. 8. Remove shims at top header or bottom sill locations. Shim per this instruction.
Header bows downward	<ol style="list-style-type: none"> 1. Excessive foam or over insulating above header. 2. Installing fasteners in nail fin units prior to proper setting and alignment of window. 3. Excessive foam or insulation on nail fin units prior to fastening nail fin. 4. Shims placed at header location, not allowing for vinyl expansion in the heat. 	<ol style="list-style-type: none"> 1. Remove foam above header. Re-foam per this instruction. 2. Remove fasteners except at each corner. Square and level unit per this instruction. Set proper margins per this instruction before re-installation of nail fin fasteners. 3. Remove foam. Re-foam per this instruction. 4. Remove shims at top header. Shim per this instruction.



TROUBLESHOOTING & TIPS

PROBLEM	CAUSE	SOLUTION
Frame racked or out of square	Improper or no shims below the jambs.	Re-shim window unit per this instruction.
Tall unit side jamb margins are not consistent in width	Under shimmed and under secured.	Add additional jamb screws. Place shims at additional jamb screw locations.
Sashes are not aligned side to side	Sash locks and keepers are not aligned side to side.	Open bottom sash and loosen keeper screws. Close bottom sash and engage locks to re-align sash. Reopen bottom sash to hand-tighten keeper screws. DO NOT over tighten or interlock leg may deform.
Sash interlock legs are hitting	Bow in top sash interlock leg. (Look for nicks or scratches on interlock)	<ol style="list-style-type: none"> 1. Loosen and re-tighten by hand the keeper screws to allow top interlock leg to return to flat, 2. Use heat gun or hair dryer to lightly heat top sash interlock leg. Straighten inward with putty knife to allow interlock legs to pass.
Top sash bulb seal is not staying in place	Various.	Re-insert bulb into T-slot. Secure with stainless staples or small stainless screws. Touch-up fasteners with color matched paint.
Top sash drifting	Top sash drops after unlocking.	<ol style="list-style-type: none"> 1. Current top balances may need replaced with stronger ones. 2. If roller tilt constant force balances are used, add set screws to top of each top balance shoe, to add resistance. Refer to "Roller Tilt Balance Set Screw Procedure" QR code below.
Top sash dragging	Top sash is pulled downward by bottom sash while closing.	<ol style="list-style-type: none"> 1. Current top balances may need replaced with stronger ones. 2. If roller tilt constant force balances are used, add set screws to top of each top balance shoe, to add resistance. Refer to "Roller Tilt Balance Set Screw Procedure" QR code below.
Daylight at side margins, lock rail and approx. 2" above	<ol style="list-style-type: none"> 1. Wedge shims used at jambs causing rolled frame. 2. Jamb adjuster screw over tightened causing rolled frame. 	<ol style="list-style-type: none"> 1. Re-shim using flat shims per this instruction. 2. Loosen jamb adjuster screws each side. Be sure jamb adjusters are equal each side.
Wide margins along entire side margins	Center jamb screws and shims are not positioned correctly per main instruction.	Re-shim and secure window unit per this instruction.
Air leakage at ends of interlock	Weatherstrip pad at ends of bottom sash interlock are missing or not positioned correctly.	Relocate against vertical weatherstrip and fully engage into the interlock, against interlock leg.



TROUBLESHOOTING & TIPS

PROBLEM	CAUSE	SOLUTION
Side margins opening during cold weather	No jamb screws or shims at interlock.	Shim and secure window unit per this instruction.
Window leaks water at accessory corners	1. Improper or no caulking on backside corners of accessory. 2. Improper or no caulking at accessory to frame joint.	1. Caulk accessory per this instruction. 2. Caulk accessory per this instruction.
Water leaks on multi-level mull units	Missing or improper caulking behind exterior mull strip at T-joint or cross joint.	Caulk mull strips per this instruction.
Condensation is present on inside or outside glass of window	Various normal conditions/reasons.	Refer to "Condensation, Humidity and Dew Point Temperature" QR code below for a detailed explanation of normal condensation conditions.

****Please call Customer Service for additional installation inquiries at 1-800-669-4711.***

****For additional information and helpful videos, visit our Homepage for Installers by scanning the Quick Reference Code shown below, using your QR Code Scanner App.***



Installing Exterior Veneers to Windows



Install. Instruction Loose Brickmold w/ Nail Fin



Field Installation of Vinyl Accessory



Install. Instruction Vinyl Window Stacking Plate



Condensation, Humidity and Dew Point Temperature



Roller Tilt Balance Set Screw Procedure

