



CERTIFICATE OF APPROPRIATENESS APPLICATION FORM

Incomplete applications will not be processed for Commission review.

Please print legibly.

RECEIVED

OCT 08 2013

1. **HISTORIC NAME OF PROPERTY OR HISTORIC DISTRICT:** (if known)
Concordia Historic District

ADDRESS OF PROPERTY:

1019-1021 North 33rd St, Milwaukee, WI 53208

2. **NAME AND ADDRESS OF OWNER:**

Name(s): Forest County Potawatomi Community

Address: 313 North 13th Street

City: Milwaukee

State: WI

ZIP 53233

Email: jtesch@GreenFireLLC.net

Telephone number (area code & number) Daytime: (414) 290-9414

Evening:

3. **APPLICANT, AGENT OR CONTRACTOR:** (if different from owner)

Name(s): Greenfire Management Services, LLC

Attention: Joe Tesch

Address: 320 East Buffalo Street, Suite 607

City: Milwaukee

State: WI

ZIP Code: 53202

Email: jtesch@GreenFireLLC.net

Telephone number (area code & number) Daytime: (414) 290-9414

Evening:

4. **ATTACHMENTS**

A. REQUIRED FOR ALL PROJECTS:

X Photographs of affected areas & all sides of the building (annotated photos recommended)

Sketches and Elevation Drawings (1 full size and 2 reduced to 11" x 17" or 8 1/2" x 11")

X Material and Design Specifications (see next page)

B. NEW CONSTRUCTION/DEMOLITION ALSO REQUIRES:

Floor Plans (1 full size and 1 reduced to 11" x 17")

Site Plan showing location of project and adjoining structures and fences

Other (explain):

**PLEASE NOTE: YOUR APPLICATION CANNOT BE PROCESSED UNLESS
BOTH PAGES OF THIS FORM ARE PROPERLY COMPLETED.**

5. **DESCRIPTION OF PROJECT:**

Describe all existing features that will be affected by proposed work. Please specify the condition of materials, design, and dimensions of each feature (additional pages may be attached)

The existing duplex structure is composed of red brick water table and front porch walls, clapboard siding on the main level, and shingle siding on the upper levels. The roof is composed of wood shingles. Most of the building components are in servicable condition with the exception of the windows which are in need of repair/replacement to address non-working components and improve the building's thermal performance. The original windows are primarily double hung 6-over-1 true divided light. Two window units are double hung 8-over-1 true divided light, and two are fixed leaded 24-lite units. One leaded stained glass window is also intact. The majority of original wood storms have been replaced with aluminum storms. Two of the original wood attic windows have been replaced with vinyl replacement windows, most notably the attic window in the front gable end. Refer to the attached synopsis, annotated photographs, restoration estimate, and product brochure.

Photo No. See Attached

Drawing No. See Attached

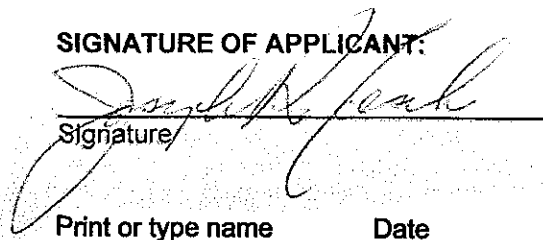
B. Describe all proposed work, materials, design, dimensions and construction technique to be employed (additional pages may be attached)

Design Intent: To sympathetically restore the windows on the front of the house, including replacement of the vinyl attic windows with historically appropriate wood units. Special casement windows and the stained glass unit will also be restored. Windows on the sides and back of the duplex have limited visibility from the street due to close proximity of neighboring structures of the house. For side and back double hung window units, wood replacement units will be installed that are sympathetic to the original wood windows. As the building is in otherwise servicable condition, no other changes to the building exterior will be conducted at this time. Refer to the attached synopsis, annotated photographs, restoration estimate, and product brochure.

Photo No. See Attached

Drawing No. See Attached

6. **SIGNATURE OF APPLICANT:**


Signature
Print or type name Date

This form and all supporting documentation **MUST** arrive by 12:00 noon on the deadline date established to be considered at the next Historic Preservation Commission Meeting. Any information not provided to staff in advance of the meeting will not be considered by the Commission during their deliberation. Please call if you have any questions and staff will assist you.

Hand Deliver or Mail Form to:
Historic Preservation Commission
City Clerk's Office
200 E. Wells St. Room B-4
Milwaukee, WI

PHONE: (414) 286-5722

FAX: (414) 286-3004

www.milwaukee.gov/hpc

1019-1021 North 33rd Street: Concordia Historic District
Certificate of Appropriateness Application Submission
October 4, 2013



Figure 15: Interior detail view of sash pocket. Sash pulley is intact on east elevation unit..



Figure 16: Interior of window partially covered over.

1019-1021 North 33rd Street: Concordia Historic District
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Figure 17: Interior view of typical 6-over-1 true divided light double hung window.



Figure 18: Interior view of leaded stained glass window over stairs. This unit will be restored and a custom storm unit installed.

Cost Estimate for Window Restoration (By Restoric, LLC)

No. #	Elevation	Floor	Storm Dimensions	Room	Type	Int. Finish	Style	Date	W. Strip	Hardware	Condition	\$ Window/Storm
E 1.1	East	1	26.5" x 61.5"	Living Room	DH	Stain	6/1	Orig.	N/A	All	3	\$2,100 \$485
E 1.2	East	1	30.5" x 61.5"	Living Room	DH	Stain	6/1	Orig.	N/A	All	3	\$1,600 \$345
E 1.3	East	1	30.5" x 61.5"	Living Room	DH	Stain	6/1	Orig.	N/A	1/2 MR lock gone	4	\$1,600 \$345
E 1.4	East	1	26.25" x 61.5"	Living Room	DH	Stain	6/1	Orig.	N/A	All	4	\$2,100 \$485
S 1.1	South	1	30.25" x 58"	Kitchen	DH	Paint	6/1	Orig.	N/A	All	4	\$2,250 \$485
S 1.2	South	1	30.5" x 58"	Kitchen	DH	Paint	6/1	Orig.	N/A	All	4	\$2,250 \$485
S 1.3	South	1	24.25" x 42"	Pantry	DH	Paint	6/1	Orig.	N/A	All	4	\$860 \$265
S 1.4	South	1	29" x 61.5"	Dining Room	DH	Stain	6/1	1/2	N/A	All (rep.)	4	\$2,100 \$385
S 1.5	South	1	40.5" x 61.5"	Dining Room	DH	Stain	8/1	Orig.	N/A	All (rep.)	4	\$2,400 \$495
S 1.6	South	1	29" x 61.5"	Dining Room	DH	Stain	6/1	Orig.	N/A	All	4	\$2,100 \$385
S 1.7	South	1	28" x 78"	Living Room	Fixed/leaded	Stain	24 lite	Orig.	N/A	N/A	3	\$775 \$365
S 1.8	South	1	28" x 78"	Living Room	Fixed/leaded	Stain	24 lite	Orig.	N/A	N/A	3	\$775 \$365
N 1.1	North	1	34" x 61.5"	Bedroom 1	DH	Paint	6/1	Orig.	N/A	All	3	\$2,685 \$485
N 1.2	North	1	24" x 43"	Bath	DH	Paint	6/1	Orig.	N/A	?	4	Eliminate/Install Vent N/A
N 1.3	North	1	34.5" x 61.5"	Bedroom 2	DH	Paint	6/1	Orig.	N/A	All (lock rep.)	3	\$2,685 \$385
N 1.4	North	1	34.5" x 61.5"	Bedroom 2	DH	Paint	6/1	Orig.	N/A	All (lock rep.)	3	\$2,685 \$385
W 1.1	West	1	34.5" x 61.5"	Bedroom 3	DH	Paint	6/1	Orig.	N/A	All	4	\$2,685 \$385
W 1.2	West	1	34.5" x 61.5"	Bedroom 3	DH	Paint	6/1	Orig.	N/A	All	4	\$2,685 \$385

Window

Milwaukee, WI

Cost Estimate for Window Restoration (By Restoric, LLC), Cont.

1021 - SECOND FLOOR WINDOW SCHEDULE

No. #	Elevation	Floor	Storm Dimensions	Room	Type	Int. Finish	Style	Date	W. Strip	Hardware	Condition	Notes
E 2.1	East	2	27" x 61.5"	Living Room	DH	Stain	6/1	Orig.	N/A	All	4	\$2,300 \$485
E 2.2	East	2	30.25" x 61.5"	Living Room	DH	Stain	6/1	Orig.	N/A	1/2 lock gone	4	\$2,400 \$345
E 2.3	East	2	30.5" x 61.5"	Living Room	DH	Stain	6/1	Orig.	N/A	1/2 lock gone	4	\$2,400 \$345
E 2.4	East	2	26.5" x 61.5"	Living Room	DH	Stain	6/1	Orig.	N/A	All	3	\$2,300 \$485
E 2.5	East	2	N/A	Hall/Closet	DH/Door	Stain	6/1	Orig.	N/A	All	3	\$2,945 N/A
S 2.1	South	2	24" x 43"	Back Stair	DH	Stain	6/1	Orig.	N/A	Pull gone	4	\$860 \$265
S 2.2	South	2	30.5" x 58"	Kitchen	DH	Paint	6/1	Orig.	N/A	1/2 lock gone	4	\$2,250 \$485
S 2.3	South	2	30.5" x 58"	Kitchen	DH	Paint	6/1	Orig.	N/A	All	4	\$2,250 \$485
S 2.4	South	2	24" x 43"	Pantry	DH	Paint	6/1	Orig.	N/A	All	4	\$860 \$265
S 2.5	South	2	41" x 61.5"	Dining Room	DH	Stain	8/1	Orig.	N/A	All	3	\$2,400 \$495
S 2.6	South	2	29" x 61.5"	Dining Room	DH	Stain	6/1	Orig.	N/A	All	3	\$2,100 \$385
N 2.1	North	2	45" x 42"	Front Stairs	Fixed/leaded	Stain	Leaded	Orig.	N/A	N/A	2	\$625 \$265
N 2.2	North	2	34" x 61.5"	Bedroom 1	DH	Paint	6/1	Orig.	N/A	Pull gone	4	\$2,685 \$385
N 2.3	North	2	24" x 43"	Bath	DH	Paint	6/1	Orig.	N/A	?	4	Eliminate/Install Vent N/A
N 2.4	North	2	34" x 61.5"	Bedroom 2	DH	Paint	6/1	Orig.	N/A	1/2 lock gone	4	\$2,685 \$385
W 2.1	West	2	N/A	Bedroom 2	DH/Door	Stain	6/1	Orig.	N/A	pull gone	4	\$2,985 N/A
W 2.2	West	2	24" x 43"	Closet	DH	Paint	6/1	Orig.	N/A	All	3	\$860 \$243

TOTAL

\$79,473

9/11/13

Wood Ultimate Insert Double Hung

Unit Features.....	1
Standard Insulating Glass Divided Lite Option.....	3
Standard Single Glaze Divided Lite Option	4
Optional Interior Square Simulated Divided Lite	5
Egress and Vent Openings	6
Minimum and Maximum Guidelines, Oversize Limits, Certified Sizes and Ratings	7
Measurement Conversions: Operators	8
Measurement Conversions: Transom and Picture	9
Measurement Conversions: Field Measurement.....	10
Section Details: Mullions	14

Wood Ultimate Insert Double Hung

Unit Features

Wood Ultimate Insert Double Hung: WINDH

Wood Ultimate Transom Windows: WINDHT

Wood Ultimate Picture Windows: WINDHP

Frame:

- Depth is 4 9/16" (116)
- 1 1/16" (17) thick at head and side jambs, 1" (25) at sill which has an 8° bevel.
- Optional flat sill that is 1 7/16" (37).

Sash:

- Sash thickness for operable units and transom: 1 5/8" (41). Sash thickness for a picture unit is 1 5/8 (41) or 2" (51).
- Operating sash are removable for cleaning, service and finishing.
- Incorporates traditional wide bottom rail in bottom sash - 3 9/16" (90).
- Single Hung conversion kits available. Cottage and Oriel sash configuration available.

Hardware:

- Sash lock and keeper: Open style crescent cam lock with sash release lever, surface mounted. Color: Satin Taupe. Optional colors: Bronze, White, Brass, Antique Brass, Satin Chrome, Satin Nickel and Oil Rubbed Bronze.
- Balance system: block and tackle coil spring.
- The jamb track is a vinyl extrusion. Color: Beige. Optional color: White.

Weather Strip:

- Jamb weather strip is a foam type weather strip which seals against both the bottom sash and top sash stiles.
- Top sash has a weather strip on the check rail that seals to the bottom sash check rail when the sash lock is engaged.
- The top rail seals against a weather strip on the head jamb parting stop.
- The bottom sash has a weather strip on the bottom of the lower rail which seals against the sill.

Insect Screens:

- Aluminum screen: Full screen standard, half screen optional. Colors available: Pebble Gray, Bahama Brown, Evergreen, Bronze, Stone White, Ebony, Cobalt Blue, Wineberry, Coconut Cream, Hampton Sage, Cashmere, Arctic White, Cumulus Gray, Desert Beige, Sherwood Green, Sierra White, Cadet Gray, Cascade Blue, or French Vanilla.
- Screen mesh: Standard is Charcoal Fiberglass. Optional: Charcoal High Transparency Fiberglass Mesh, Charcoal Aluminum Wire, Black Aluminum Wire, Bright Aluminum Wire, or Bright Bronze Aluminum Wire.
- Screens have an aluminum crossbar on glass heights of 20" (508) and taller.
- Optional Double Hung Magnum Screen, extruded aluminum.
- Optional wood screen.

Glass:

- Glazing seal: Silicone glazed.
- Standard glass is insulating LoE²272[®] with Argon or Air.
- Insulating glass will be altitude adjusted with capillary tubes for higher elevations. Argon gas is not available for elevations that require capillary tubes.

Optional Glass

- LoE²180[™] with Argon or Air, LoE² 366[®] with Argon or Air, clear, tints, tempered, obscure and others.
- LoE² 366[®] with Argon or Air, LoE²180[™] with Argon or Air, Laminated, Tempered, Obscure, Bronze tint, Gray tint, Reflective Bronze or clear.
- 1" Tripane LoE²-180[™] outer piece and LoE²-180[™] inner piece with Argon
- 1" Tripane LoE²-180[™] outer piece and LoE²-180[™] inner piece with Krypton/Argon
- 1" Tripane LoE²272[®] outer piece and LoE²272[®] inner piece with Argon
- 1" Tripane LoE²272[®] outer piece and LoE²272[®] inner piece with Krypton/Argon
- 1" Tripane LoE² 366[®] outer piece and LoE²-180[™] inner piece with Argon
- 1" Tripane LoE² 366[®] outer piece and LoE²-180[™] inner piece with Krypton/Argon

Wood Ultimate Insert Double Hung

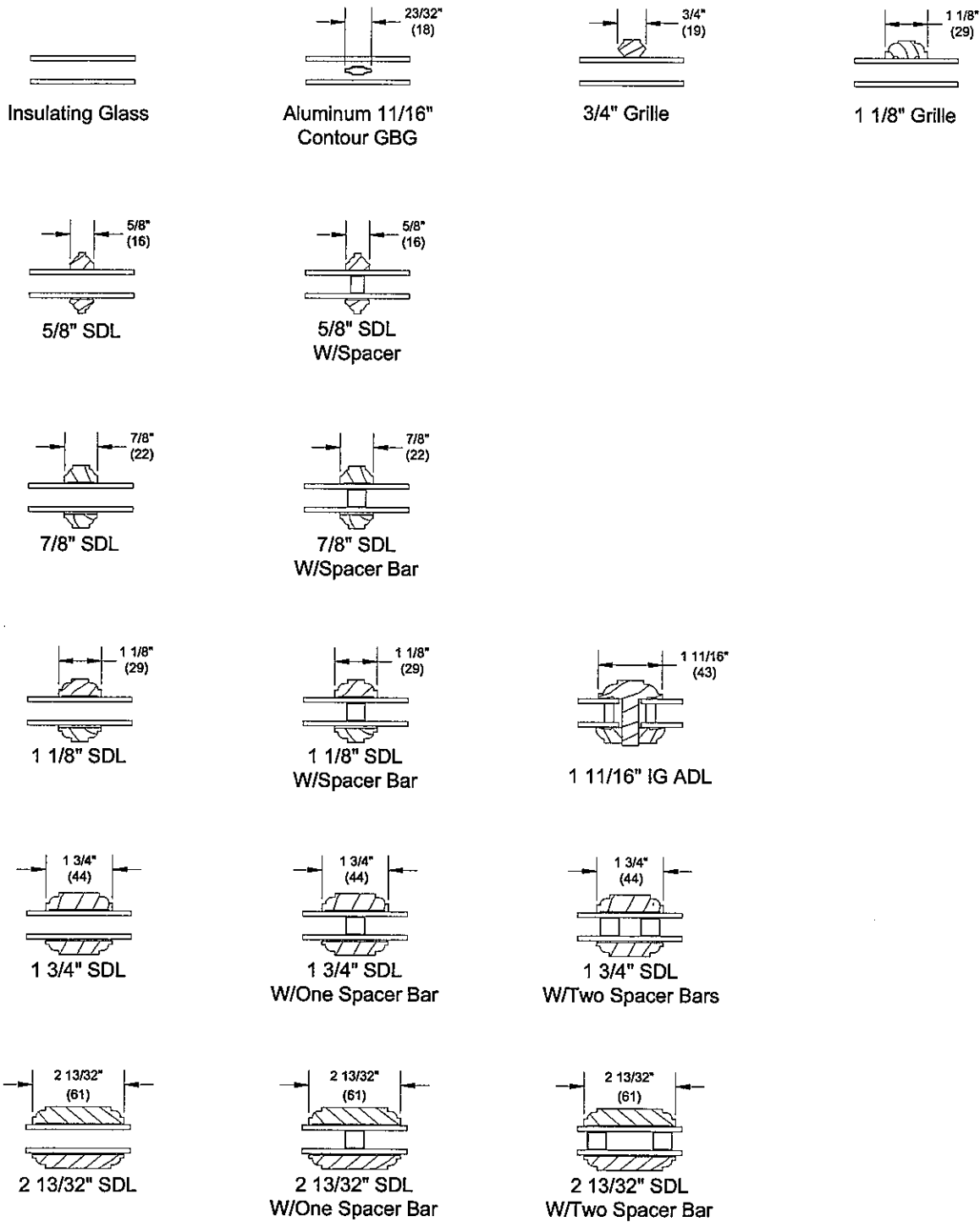
Unit Features

Accessories:

- Installation Accessories
 - Factory installed vinyl sill fin (8 degree sill option only)
 - Two (2) 5/16" - #10 x 2 1/2" jamb jack screws
 - Four (4) #7 x 2" Phillips pan-head installation screws
 - Two (2) jamb liner check rail pads
 - Two (2) wood flat head plugs (interior).
- Sash Lifts
 - High pressure zinc die-cast.
 - Color: Satin Taupe. Optional colors: Bronze, White, Brass, Antique Brass, Satin Chrome, Satin Nickel and Oil Rubbed Bronze.

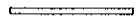
Wood Ultimate Insert Double Hung

Standard Insulating Glass Divided Lite Option

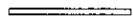


Wood Ultimate Insert Double Hung

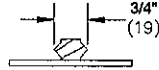
Standard Single Glaze Divided Lite Option



Single Glaze



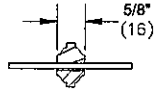
Single Glaze
W/ Energy Panel



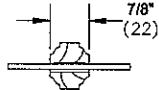
3/4" Grille



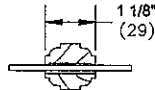
1 1/8" Grille



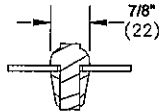
5/8" SDL



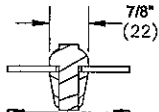
7/8" SDL



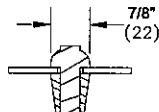
1 1/8" SDL



7/8" SG-ADL

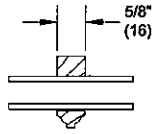


7/8" SG-ADL
W/ Energy Panel

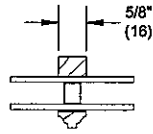


7/8" SG-ADL
Full Depth Munt

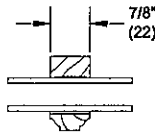
Optional Interior Square Simulated Divided Lite



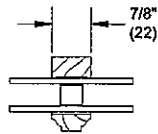
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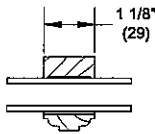
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W/Spacer



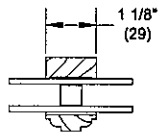
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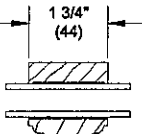
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W/Spacer Bar



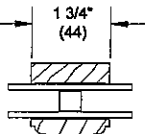
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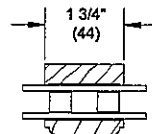
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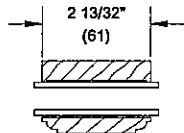
1 3/4" SDL



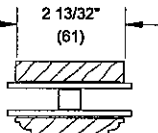
1 3/4" SDL
W/One Spacer Bar



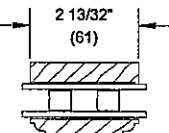
1 3/4" SDL
W/Two Spacer Bars



2 13/32" SDL

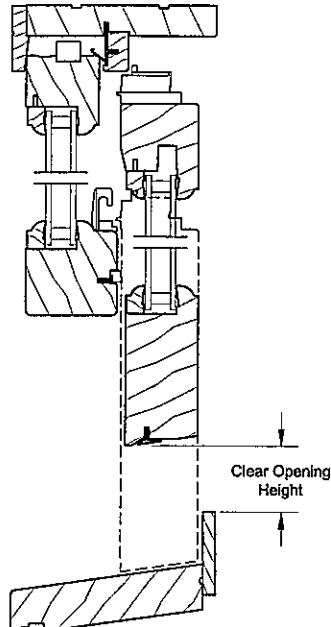


2 13/32" SDL
W/One Spacer Bar

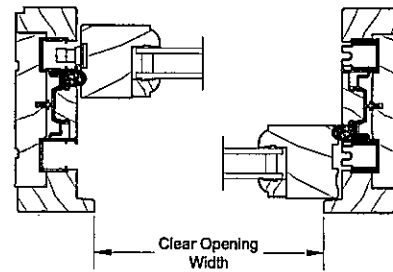


2 13/32" SDL
W/Two Spacer Bars

Minimum Egress Requirements					
Inside Opening Width		Inside Opening Height Flat Sill		Inside Opening Height 8 Degree Sill Option	
in	mm	in	mm	in	mm
29 3/4	(756)	77 1/4	(1962)	76 13/16	(1951)
31 3/4	(806)	73 1/4	(1861)	72 13/16	(1850)
33 3/4	(857)	69 1/4	(1759)	68 13/16	(1748)
35 3/4	(908)	65 1/4	(1657)	64 13/16	(1647)
37 3/4	(959)	61 1/4	(1556)	60 13/16	(1545)
41 3/4	(1060)	61 1/4	(1556)	60 13/16	(1545)
45 3/4	(1162)	61 1/4	(1556)	60 13/16	(1545)



Head Jamb and Sill



Jambs

Minimum and Maximum Guidelines, Oversize Limits, Certified Sizes and Ratings

Minimum and Maximum IO Opening Guidelines															
Unit Type	Sill Type	Min IO Width at Least		Min IO Height Must be at Least		Min IO Width at Least		Min IO Height Must be at Least		Max IO Width		Max IO Height		Max IO Area	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	Sq. Feet	Sq. Meters
WINDH	Flat	13 3/4	(349)	32 1/32	(814)	17 3/4	(451)	24 1/32	(610)	44	(1118)	77 19/32	(1971)	23 23/32	2.203
	8°	13 3/4	(349)	31 19/32	(802)	17 3/4	(451)	23 5/8	(600)						
WINDHP	Flat	13 3/4	(349)	18 23/32	(475)	17 3/4	(451)	14 23/32	(374)	68	(1727)	77 19/32	(1971)	36 21/32	3.405
	8°	13 3/4	(349)	18 9/32	(464)	17 3/4	(451)	14 9/32	(363)						
WINDHT	Flat	13 3/4	(349)	17 1/2	(445)	17 3/4	(451)	13 1/2	(343)	44	(1118)	23 1/16	(586)	7 1/32	0.654
	8°	13 3/4	(349)	17 1/16	(433)	17 3/4	(451)	13 1/16	(332)						

NOTE: Some restrictions may apply, contact your Marvin representative with questions.

Oversize Limits						
Unit Type	Maximum IO Width		Maximum IO Height		Maximum IO Area	
	in	mm	in	mm	Sq Feet	Sq Meters
WINDH	48	(1219)	85 19/32	(2174)	23 23/32	(2)
WINDHP	68	(1727)	85 19/32	(2174)	40 7/16	(4)
WINDHT	48	(1219)	23 1/16	(586)	7 11/16	(1)

NOTE: Oversized width and height max for WINDH is available in either width or height but not both. Oversized units are not certified.

Certified Sizes and Ratings				
Unit Type	Frame Size Height		Frame Size Width	
			in	mm
	in	mm	45	(1143)
WINDH	77 3/8	(1965)	LC-PG30	

Certified Sizes and Ratings				
Unit Type	Frame Size Height		Frame Size Width	
			in	mm
	in	mm	75 5/8	(1921)
WINDHT	27 5/8	(702)	LC-PG40	

Certified Sizes and Ratings				
Unit Type	Frame Size Height		Frame Size Width	
			in	mm
	in	mm	68	(1727)
WINDHP	77 5/8	(1972)	CW-PG40	

Measurement Conversions: Operators

Wood Ultimate Insert Double Hung Operating Unit						
Unit Measurements		Width		Height		
From	To					
Daylight Opening		in	mm		in	mm
Daylight Opening	Bottom Sash OM	+ 3 17/32	(90)		+ 5 11/16	(144)
Daylight Opening	Top Sash OM	+ 3 17/32	(90)		+ 3 7/8	(98)
Daylight Opening	Glass OM	+ 1 1/16	(27)		+ 1 1/16	(27)
Daylight Opening	Screen OM	+ 4 13/32	(112)	(DLO x 2)	+ 9 9/32	(236)
Daylight Opening	Grille	order by DLO		order by DLO		

Wood Ultimate Insert Double Hung Operating Unit								
Unit Measurements		Width		Height				
From	To			Flat Bottom Sill				
Inside Opening		in	mm	in	mm		in	mm
Inside Opening	Bottom Sash OM	-3 9/32	(83)	-10 9/32	(261)	+ 2	+ 5 11/16	(98)
Inside Opening	Top Sash OM	-3 9/32	(83)	-10 9/32	(261)	+ 2	+ 3 7/8	
Inside Opening	Daylight Opening	-6 13/16	(173)	-10 9/32	(261)	+ 2		
Inside Opening	Glass OM	-5 3/4	(146)	-8 5/32	(207)	+ 2		
Inside Opening	Screen OM	-1 27/32	(47)	-1	(25)			
Inside Opening	Frame OM @ Interior	-3/8	(10)	-1/4	(06)			
Inside Opening	Frame OM @ Exterior	-3/8	(10)	-1/4	(06)			

Height 8 Degree Bottom Sill				
in	mm		in	mm
-9 27/32	(250)	+ 2	+ 5 11/16	(144)
-9 27/32	(250)	+ 2	+ 3 7/8	(98)
-9 13/16	(249)	+ 2		
-7 23/32	(196)	+ 2		
-9/16	(14)			
-1/4	(06)			
+ 3/16	(05)			

Measurement Conversions: Transom and Picture

Wood Ultimate Insert Double Hung Transoms					
Unit Measurements		Width		Height (not affected by sill)	
From	To				
Daylight Opening		in	mm	in	mm
Daylight Opening	Sash OM	+ 3 17/32	(90)	+ 4 11/32	(110)
Daylight Opening	Glass OM	+ 1 1/16	(27)	+ 1 1/16	(27)
Daylight Opening	Grille	order by DLO		Order by DLO	

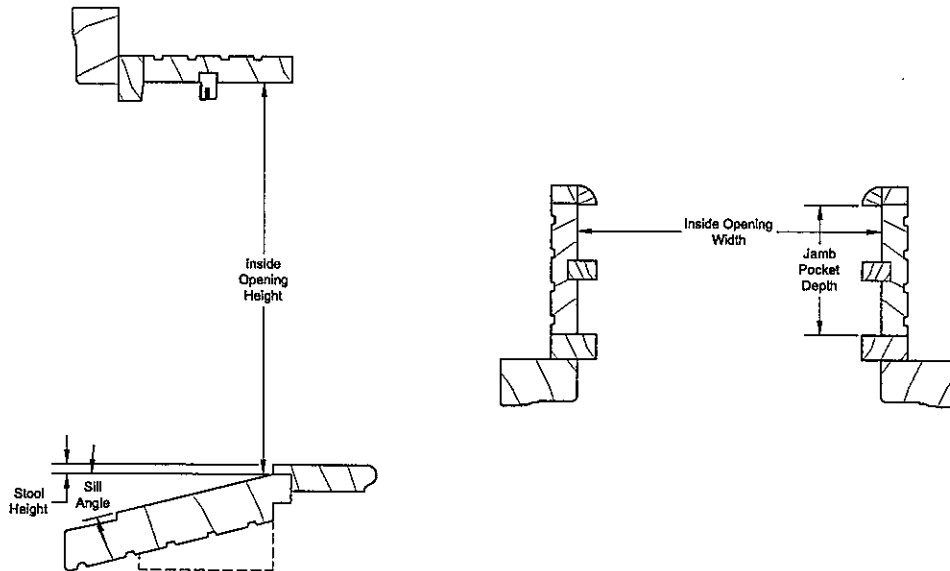
Unit Measurements		Width		Height			
From	To			Flat Sill Bottom		8 Degree Sill Bottom	
Inside Opening		in	mm	in	mm	in	mm
Inside Opening	Sash OM	-3 9/32	(83)	-2 11/32	(-60)	-1 29/32	(48)
Inside Opening	Daylight Opening	-6 13/16	(173)	-6 11/16	(-170)	-6 1/4	(159)
Inside Opening	Glass OM	-5 3/4	(146)	-5 5/8	(-143)	-5 3/16	(132)
Inside Opening	Frame OM @ Interior	-3/8	(10)	-1/4	(-06)	-1/4	(06)
Inside Opening	Frame OM @ Exterior	-3/8	(10)	-1/4	(-06)	+ 3/16	(05)

Wood Ultimate Insert Double Hung Picture					
Unit Measurements		Width		Height (not affected by sill type)	
From	To				
Daylight Opening		in	mm	in	mm
Daylight Opening	Sash OM	+ 4 7/8	(124)	+ 5 21/32	(144)
Daylight Opening	Glass OM	+ 1 3/16	(30)	+ 1 3/16	(30)
Daylight Opening	Grille	order by DLO		order by DLO	

Unit Measurements		Width		Height			
From	To			Flat Sill Bottom		8 Degree Sill Bottom	
Inside Opening		in	mm	in	mm	in	mm
Inside Opening	OM of BMC	-1 15/16	(49)	-2 1/4	(57)	-1 13/16	(46)
Inside Opening	OM of Flat Casing	-6 13/16	(173)	-7 29/32	(201)	-7 15/32	(190)
Inside Opening	Daylight Opening	-5 5/8	(143)	-6 23/32	(171)	-6 9/32	(160)
Inside Opening	OM of Frame	-3/8	(10)	-1/4	(06)	-1/4	(06)
Inside Opening	Daylight Opening	-3/8	(10)	-1/4	(06)	+ 3/16	(05)

Measurement Conversions: Field Measurement

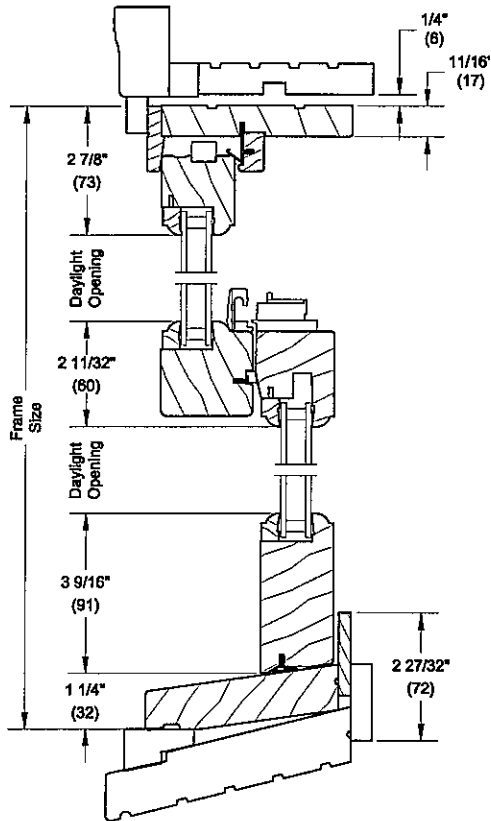
Conversion from Field Measurement to Frame OM		
Width		
Condition	Formula	
If blind stop width is 1/2 inch or less	WINDH frame OM width = inside opening width - 0.375	
Height		
Condition	Type of Sill	Formula
If old sill angle is less than 8 degrees	Flat bottom Sill	WINDH frame OM height = inside opening height - 0.250
If old sill angle is equal to or greater than 8 degrees	8 degree bottom sill	WINDH frame OM height = inside opening height + 0.180



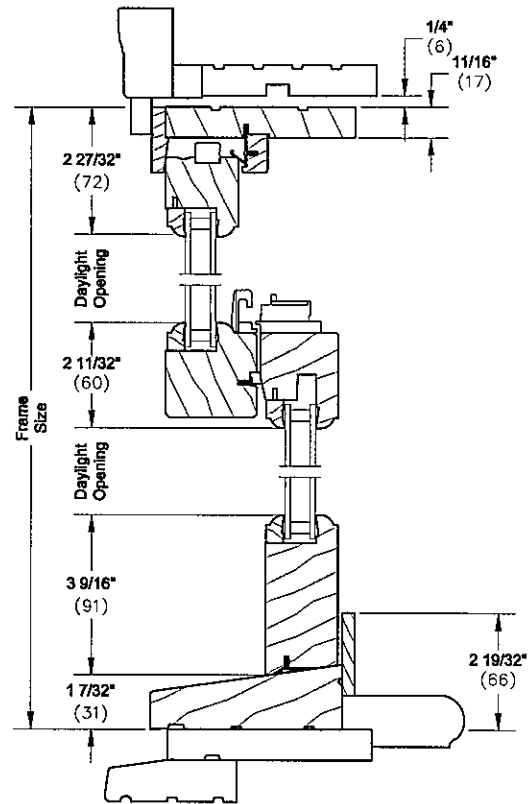
NOTE: For additional measuring instructions see Marvin Insert Window Measuring Instructions.

Section Details: Operator

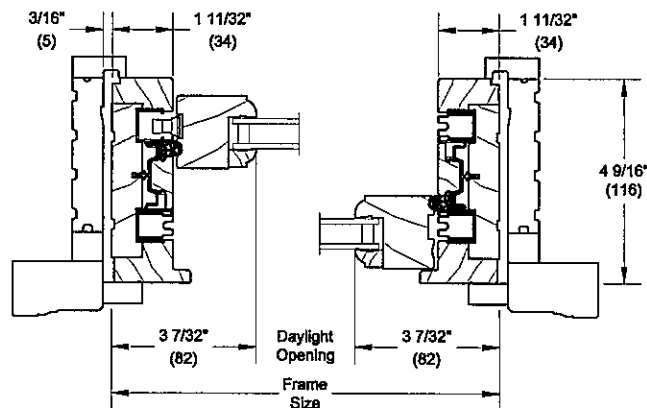
Scale: 3" = 1' 0"



Head Jamb, Checkrail, with Beveled Sill
installed in existing frame



Head Jamb, Checkrail, with Flat Sill Option
installed in existing frame



Jambs installed in existing frame



CERTIFICATE OF APPROPRIATENESS APPLICATION FORM

Incomplete applications will not be processed for Commission review.

Please print legibly.

RECEIVED

OCT 08 2013

1. **HISTORIC NAME OF PROPERTY OR HISTORIC DISTRICT:** (if known)
Concordia Historic District

ADDRESS OF PROPERTY:
1019-1021 North 33rd St, Milwaukee, WI 53208

2. **NAME AND ADDRESS OF OWNER:**

Name(s): Forest County Potawatomi Community

Address: 313 North 13th Street

City: Milwaukee

State: WI

ZIP 53233

Email: jtesch@GreenFireLLC.net

Telephone number (area code & number) Daytime: (414) 290-9414

Evening:

3. **APPLICANT, AGENT OR CONTRACTOR:** (if different from owner)

Name(s): Greenfire Management Services, LLC

Attention: Joe Tesch

Address: 320 East Buffalo Street, Suite 607

City: Milwaukee

State: WI

ZIP Code: 53202

Email: jtesch@GreenFireLLC.net

Telephone number (area code & number) Daytime: (414) 290-9414

Evening:

4. **ATTACHMENTS**

A. REQUIRED FOR ALL PROJECTS:

X Photographs of affected areas & all sides of the building (annotated photos recommended)

Sketches and Elevation Drawings (1 full size and 2 reduced to 11" x 17" or 8 1/2" x 11")

X Material and Design Specifications (see next page)

B. NEW CONSTRUCTION/DEMOLITION ALSO REQUIRES:

Floor Plans (1 full size and 1 reduced to 11" x 17")

Site Plan showing location of project and adjoining structures and fences

Other (explain):

PLEASE NOTE: YOUR APPLICATION CANNOT BE PROCESSED UNLESS BOTH PAGES OF THIS FORM ARE PROPERLY COMPLETED.

5. **DESCRIPTION OF PROJECT:**

Describe all existing features that will be affected by proposed work. Please specify the condition of materials, design, and dimensions of each feature (additional pages may be attached)

The existing duplex structure is composed of red brick water table and front porch walls, clapboard siding on the main level, and shingle siding on the upper levels. The roof is composed of wood shingles. Most of the building components are in servicable condition with the exception of the windows which are in need of repair/replacement to address non-working components and improve the building's thermal performance. The original windows are primarily double hung 6-over-1 true divided light. Two window units are double hung 8-over-1 true divided light, and two are fixed leaded 24-lite units. One leaded stained glass window is also intact. The majority of original wood storms have been replaced with aluminum storms. Two of the original wood attic windows have been replaced with vinyl replacement windows, most notably the attic window in the front gable end. Refer to the attached synopsis, annotated photographs, restoration estimate, and product brochure.

Photo No. See Attached

Drawing No. See Attached

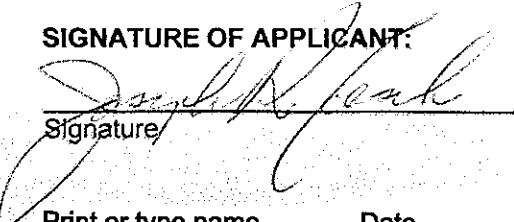
B. Describe all proposed work, materials, design, dimensions and construction technique to be employed (additional pages may be attached)

Design Intent: To sympathetically restore the windows on the front of the house, including replacement of the vinyl attic windows with historically appropriate wood units. Special casement windows and the stained glass unit will also be restored. Windows on the sides and back of the duplex have limited visibility from the street due to close proximity of neighboring structures of the house. For side and back double hung window units, wood replacement units will be installed that are sympathetic to the original wood windows. As the building is in otherwise servicable condition, no other changes to the building exterior will be conducted at this time. Refer to the attached synopsis, annotated photographs, restoration estimate, and product brochure.

Photo No. See Attached

Drawing No. See Attached

6. **SIGNATURE OF APPLICANT:**


Signature
Print or type name Date

This form and all supporting documentation **MUST** arrive by 12:00 noon on the deadline date established to be considered at the next Historic Preservation Commission Meeting. Any information not provided to staff in advance of the meeting will not be considered by the Commission during their deliberation. Please call if you have any questions and staff will assist you.

Hand Deliver or Mail Form to:
Historic Preservation Commission
City Clerk's Office
200 E. Wells St. Room B-4
Milwaukee, WI

PHONE: (414) 286-5722

FAX: (414) 286-3004

www.milwaukee.gov/hpc

1019-1021 North 33rd Street: Concordia Historic District
Certificate of Appropriateness Application Submission
October 4, 2013



Figure 15: Interior detail view of sash pocket. Sash pulley is intact on east elevation unit..



Figure 16: Interior of window partially covered over.

1019-1021 North 33rd Street: Concordia Historic District
Certificate of Appropriateness Application Submission
October 4, 2013



Figure 17: Interior view of typical 6-over-1 true divided light double hung window.



Figure 18: Interior view of leaded stained glass window over stairs. This unit will be restored and a custom storm unit installed.

Cost Estimate for Window Restoration (By Restoric, LLC)

No. #	Elevation	Floor	Storm Dimensions	Room	Type	Int. Finish	Style	Date	W. Strip	Hardware	Condition	\$ Window/Storm
E 1.1	East	1	26.5" x 61.5"	Living Room	DH	Stain	6/1	Orig.	N/A	All	3	\$2,100 \$485
E 1.2	East	1	30.5" x 61.5"	Living Room	DH	Stain	6/1	Orig.	N/A	All	3	\$1,600 \$345
E 1.3	East	1	30.5" x 61.5"	Living Room	DH	Stain	6/1	Orig.	N/A	1/2 MR lock gone	4	\$1,600 \$345
E 1.4	East	1	26.25" x 61.5"	Living Room	DH	Stain	6/1	Orig.	N/A	All	4	\$2,100 \$485
S 1.1	South	1	30.25" x 58"	Kitchen	DH	Paint	6/1	Orig.	N/A	All	4	\$2,250 \$485
S 1.2	South	1	30.5" x 58"	Kitchen	DH	Paint	6/1	Orig.	N/A	All	4	\$2,250 \$485
S 1.3	South	1	24.25" x 42"	Pantry	DH	Paint	6/1	Orig.	N/A	All	4	\$860 \$265
S 1.4	South	1	29" x 61.5"	Dining Room	DH	Stain	6/1	1/2	N/A	All (rep.)	4	\$2,100 \$385
S 1.5	South	1	40.5" x 61.5"	Dining Room	DH	Stain	8/1	Orig.	N/A	All (rep.)	4	\$2,400 \$495
S 1.6	South	1	29" x 61.5"	Dining Room	DH	Stain	6/1	Orig.	N/A	All	4	\$2,100 \$385
S 1.7	South	1	28" x 78"	Living Room	Fixed/leaded	Stain	24 lite	Orig.	N/A	N/A	3	\$775 \$365
S 1.8	South	1	28" x 78"	Living Room	Fixed/leaded	Stain	24 lite	Orig.	N/A	N/A	3	\$775 \$365
N 1.1	North	1	34" x 61.5"	Bedroom 1	DH	Paint	6/1	Orig.	N/A	All	3	\$2,685 \$485
N 1.2	North	1	24" x 43"	Bath	DH	Paint	6/1	Orig.	N/A	?	4	Eliminate/Install Vent N/A
N 1.3	North	1	34.5" x 61.5"	Bedroom 2	DH	Paint	6/1	Orig.	N/A	All (lock rep.)	3	\$2,685 \$385
N 1.4	North	1	34.5" x 61.5"	Bedroom 2	DH	Paint	6/1	Orig.	N/A	All (lock rep.)	3	\$2,685 \$385
W 1.1	West	1	34.5" x 61.5"	Bedroom 3	DH	Paint	6/1	Orig.	N/A	All	4	\$2,685 \$385
W 1.2	West	1	34.5" x 61.5"	Bedroom 3	DH	Paint	6/1	Orig.	N/A	All	4	\$2,685 \$385

Window

Milwaukee, WI

Restoric, LLC.

9/11/13

Cost Estimate for Window Restoration (By Restoric, LLC), Cont.

Window 1021 - SECOND FLOOR WINDOW SCHEDULE Milwaukee, WI

No. #	Elevation	Floor	Storm Dimensions	Room	Type	Int. Finish	Style	Date	W. Strip	Hardware	Condition	Notes
E 2.1	East	2	27" x 61.5"	Living Room	DH	Stain	6/1	Orig.	N/A	All	4	\$2,300 \$485
E 2.2	East	2	30.25" x 61.5"	Living Room	DH	Stain	6/1	Orig.	N/A	1/2 lock gone	4	\$2,400 \$345
E 2.3	East	2	30.5" x 61.5"	Living Room	DH	Stain	6/1	Orig.	N/A	1/2 lock gone	4	\$2,400 \$345
E 2.4	East	2	26.5" x 61.5"	Living Room	DH	Stain	6/1	Orig.	N/A	All	3	\$2,300 \$485
E 2.5	East	2	N/A	Hall/Closet	DH/Door	Stain	6/1	Orig.	N/A	All	3	\$2,945 N/A
S 2.1	South	2	24" x 43"	Back Stair	DH	Stain	6/1	Orig.	N/A	Pull gone	4	\$860 \$265
S 2.2	South	2	30.5" x 58"	Kitchen	DH	Paint	6/1	Orig.	N/A	1/2 lock gone	4	\$2,250 \$485
S 2.3	South	2	30.5" x 58"	Kitchen	DH	Paint	6/1	Orig.	N/A	All	4	\$2,250 \$485
S 2.4	South	2	24" x 43"	Pantry	DH	Paint	6/1	Orig.	N/A	All	4	\$860 \$265
S 2.5	South	2	41" x 61.5"	Dining Room	DH	Stain	8/1	Orig.	N/A	All	3	\$2,400 \$495
S 2.6	South	2	29" x 61.5"	Dining Room	DH	Stain	6/1	Orig.	N/A	All	3	\$2,100 \$385
N 2.1	North	2	45" x 42"	Front Stairs	Fixed/leaded	Stain	Leaded	Orig.	N/A	N/A	2	\$625 \$265
N 2.2	North	2	34" x 61.5"	Bedroom 1	DH	Paint	6/1	Orig.	N/A	Pull gone	4	\$2,685 \$385
N 2.3	North	2	24" x 43"	Bath	DH	Paint	6/1	Orig.	N/A	?	4	Eliminate/Install Vent N/A
N 2.4	North	2	34" x 61.5"	Bedroom 2	DH	Paint	6/1	Orig.	N/A	1/2 lock gone	4	\$2,685 \$385
W 2.1	West	2	N/A	Bedroom 2	DH/Door	Stain	6/1	Orig.	N/A	pull gone	4	\$2,985 N/A
W 2.2	West	2	24" x 43"	Closet	DH	Paint	6/1	Orig.	N/A	All	3	\$860 \$243

TOTAL \$79,473

Wood Ultimate Insert Double Hung

Unit Features.....	1
Standard Insulating Glass Divided Lite Option.....	3
Standard Single Glaze Divided Lite Option.....	4
Optional Interior Square Simulated Divided Lite	5
Egress and Vent Openings	6
Minimum and Maximum Guidelines, Oversize Limits, Certified Sizes and Ratings	7
Measurement Conversions: Operators	8
Measurement Conversions: Transom and Picture	9
Measurement Conversions: Field Measurement.....	10
Section Details: Mullions	14

Unit Features

Wood Ultimate Insert Double Hung: WINDH

Wood Ultimate Transom Windows: WINDHT

Wood Ultimate Picture Windows: WINDHP

Frame:

- Depth is 4 9/16" (116)
- 1 1/16" (17) thick at head and side jambs, 1" (25) at sill which has an 8° bevel.
- Optional flat sill that is 1 7/16" (37).

Sash:

- Sash thickness for operable units and transom: 1 5/8" (41). Sash thickness for a picture unit is 1 5/8 (41) or 2" (51).
- Operating sash are removable for cleaning, service and finishing.
- Incorporates traditional wide bottom rail in bottom sash - 3 9/16" (90).
- Single Hung conversion kits available. Cottage and Oriel sash configuration available.

Hardware:

- Sash lock and keeper: Open style crescent cam lock with sash release lever, surface mounted. Color: Satin Taupe. Optional colors: Bronze, White, Brass, Antique Brass, Satin Chrome, Satin Nickel and Oil Rubbed Bronze.
- Balance system: block and tackle coil spring.
- The jamb track is a vinyl extrusion. Color: Beige. Optional color: White.

Weather Strip:

- Jamb weather strip is a foam type weather strip which seals against both the bottom sash and top sash stiles.
- Top sash has a weather strip on the check rail that seals to the bottom sash check rail when the sash lock is engaged.
- The top rail seals against a weather strip on the head jamb parting stop.
- The bottom sash has a weather strip on the bottom of the lower rail which seals against the sill.

Insect Screens:

- Aluminum screen: Full screen standard, half screen optional. Colors available: Pebble Gray, Bahama Brown, Evergreen, Bronze, Stone White, Ebony, Cobalt Blue, Wineberry, Coconut Cream, Hampton Sage, Cashmere, Arctic White, Cumulus Gray, Desert Beige, Sherwood Green, Sierra White, Cadet Gray, Cascade Blue, or French Vanilla.
- Screen mesh: Standard is Charcoal Fiberglass. Optional: Charcoal High Transparency Fiberglass Mesh, Charcoal Aluminum Wire, Black Aluminum Wire, Bright Aluminum Wire, or Bright Bronze Aluminum Wire.
- Screens have an aluminum crossbar on glass heights of 20" (508) and taller.
- Optional Double Hung Magnum Screen, extruded aluminum.
- Optional wood screen.

Glass:

- Glazing seal: Silicone glazed.
- Standard glass is insulating LoE²272[®] with Argon or Air.
- Insulating glass will be altitude adjusted with capillary tubes for higher elevations. Argon gas is not available for elevations that require capillary tubes.

Optional Glass

- LoE²180[™] with Argon or Air, LoE²366[®] with Argon or Air, clear, tints, tempered, obscure and others.
- LoE²366[®] with Argon or Air, LoE²180[™] with Argon or Air, Laminated, Tempered, Obscure, Bronze tint, Gray tint, Reflective Bronze or clear.
- 1" Tripane LoE²-180[™] outer piece and LoE²-180[™] inner piece with Argon
- 1" Tripane LoE²-180[™] outer piece and LoE²-180[™] inner piece with Krypton/Argon
- 1" Tripane LoE²272[®] outer piece and LoE²272[®] inner piece with Argon
- 1" Tripane LoE²272[®] outer piece and LoE²272[®] inner piece with Krypton/Argon
- 1" Tripane LoE²366[®] outer piece and LoE²-180[™] inner piece with Argon
- 1" Tripane LoE²366[®] outer piece and LoE²-180[™] inner piece with Krypton/Argon

Wood Ultimate Insert Double Hung

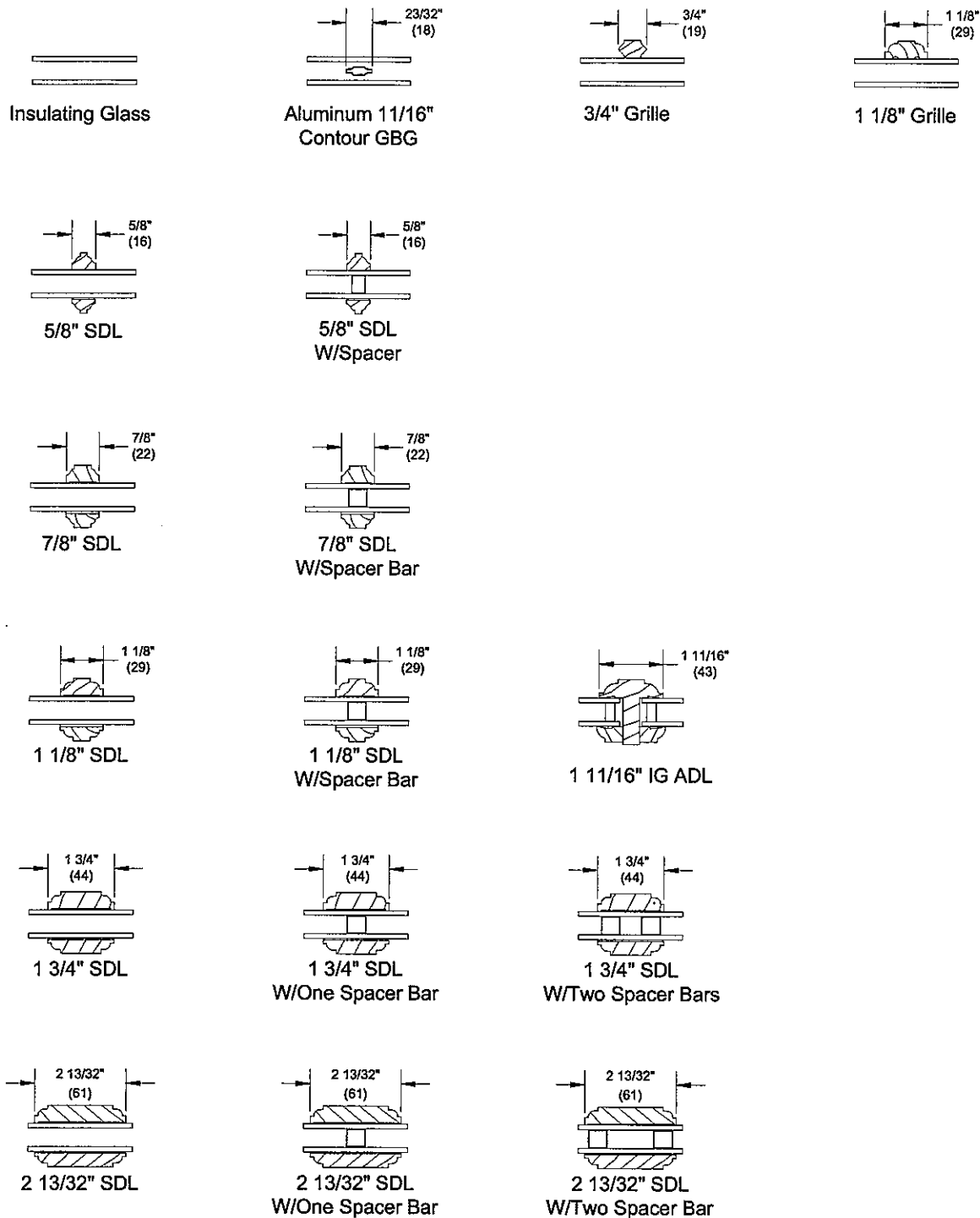
Unit Features

Accessories:

- Installation Accessories
 - Factory installed vinyl sill fin (8 degree sill option only)
 - Two (2) 5/16" - #10 x 2 1/2" jamb jack screws
 - Four (4) #7 x 2" Phillips pan-head installation screws
 - Two (2) jamb liner check rail pads
 - Two (2) wood flat head plugs (interior).
- Sash Lifts
 - High pressure zinc die-cast.
 - Color: Satin Taupe. Optional colors: Bronze, White, Brass, Antique Brass, Satin Chrome, Satin Nickel and Oil Rubbed Bronze.

Wood Ultimate Insert Double Hung

Standard Insulating Glass Divided Lite Option



Wood Ultimate Insert Double Hung

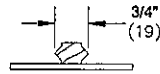
Standard Single Glaze Divided Lite Option



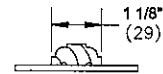
Single Glaze



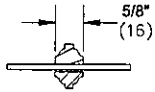
Single Glaze
W/ Energy Panel



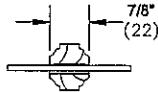
3/4" Grille



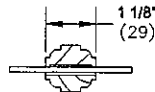
1 1/8" Grille



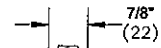
5/8" SDL



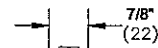
7/8" SDL



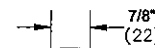
1 1/8" SDL



7/8" SG-ADL



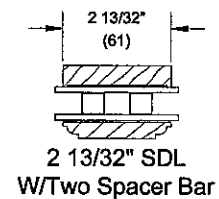
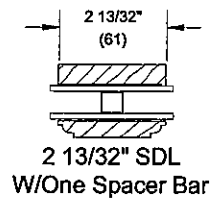
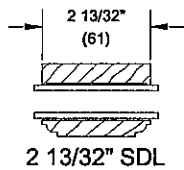
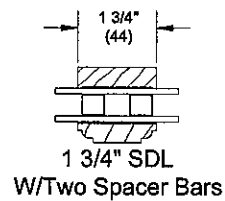
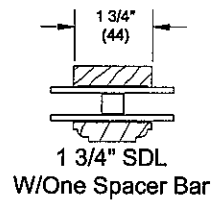
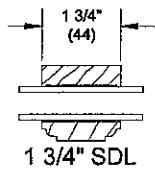
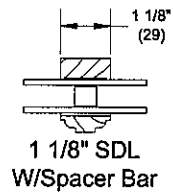
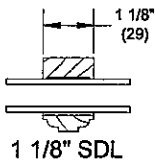
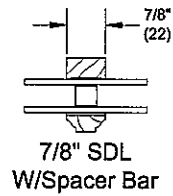
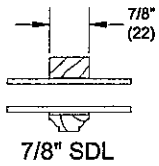
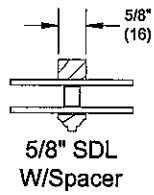
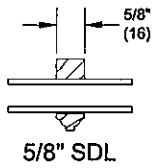
7/8" SG-ADL
W/ Energy Panel



7/8" SG-ADL
Full Depth Munt

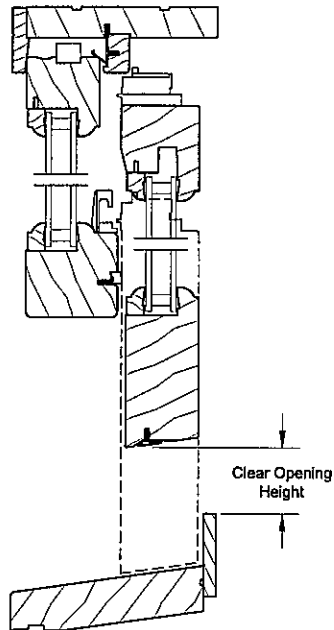
Wood Ultimate Insert Double Hung

Optional Interior Square Simulated Divided Lite

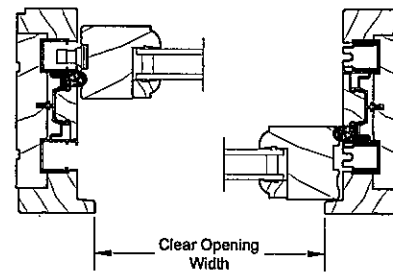


Egress and Vent Openings

Minimum Egress Requirements					
Inside Opening Width		Inside Opening Height Flat Sill		Inside Opening Height 8 Degree Sill Option	
in	mm	in	mm	in	mm
29 3/4	(756)	77 1/4	(1962)	76 13/16	(1951)
31 3/4	(806)	73 1/4	(1861)	72 13/16	(1850)
33 3/4	(857)	69 1/4	(1759)	68 13/16	(1748)
35 3/4	(908)	65 1/4	(1657)	64 13/16	(1647)
37 3/4	(959)	61 1/4	(1556)	60 13/16	(1545)
41 3/4	(1060)	61 1/4	(1556)	60 13/16	(1545)
45 3/4	(1162)	61 1/4	(1556)	60 13/16	(1545)



Head Jamb and Sill



Jambs

Minimum and Maximum Guidelines, Oversize Limits, Certified Sizes and Ratings

Minimum and Maximum IO Opening Guidelines															
Unit Type	Sill Type	Min IO Width at Least		Min IO Height Must be at Least		Min IO Width at Least		Min IO Height Must be at Least		Max IO Width		Max IO Height		Max IO Area	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	Sq. Feet	Sq. Meters
WINDH	Flat	13 3/4	(349)	32 1/32	(814)	17 3/4	(451)	24 1/32	(610)	44	(1118)	77 19/32	(1971)	23 23/32	2.203
	8°	13 3/4	(349)	31 19/32	(802)	17 3/4	(451)	23 5/8	(600)						
WINDHP	Flat	13 3/4	(349)	18 23/32	(475)	17 3/4	(451)	14 23/32	(374)	68	(1727)	77 19/32	(1971)	36 21/32	3.405
	8°	13 3/4	(349)	18 9/32	(464)	17 3/4	(451)	14 9/32	(363)						
WINDHT	Flat	13 3/4	(349)	17 1/2	(445)	17 3/4	(451)	13 1/2	(343)	44	(1118)	23 1/16	(586)	7 1/32	0.654
	8°	13 3/4	(349)	17 1/16	(433)	17 3/4	(451)	13 1/16	(332)						

NOTE: Some restrictions may apply, contact your Marvin representative with questions.

Oversize Limits						
Unit Type	Maximum IO Width		Maximum IO Height		Maximum IO Area	
	in	mm	in	mm	Sq Feet	Sq Meters
WINDH	48	(1219)	85 19/32	(2174)	23 23/32	(2)
WINDHP	68	(1727)	85 19/32	(2174)	40 7/16	(4)
WINDHT	48	(1219)	23 1/16	(586)	7 11/16	(1)

NOTE: Oversized width and height max for WINDH is available in either width or height but not both. Oversized units are not certified.

Certified Sizes and Ratings				
Unit Type	Frame Size Height		Frame Size Width	
			in	mm
	in	mm	45	(1143)
WINDH	77 3/8	(1965)	LC-PG30	

Certified Sizes and Ratings				
Unit Type	Frame Size Height		Frame Size Width	
			in	mm
	in	mm	75 5/8	(1921)
WINDHT	27 5/8	(702)	LC-PG40	

Certified Sizes and Ratings				
Unit Type	Frame Size Height		Frame Size Width	
			in	mm
	in	mm	68	(1727)
WINDHP	77 5/8	(1972)	CW-PG40	

Measurement Conversions: Operators

Wood Ultimate Insert Double Hung Operating Unit						
Unit Measurements		Width		Height		
From	To					
Daylight Opening		In	mm		In	mm
Daylight Opening	Bottom Sash OM	+ 3 17/32	(90)		+ 5 11/16	(144)
Daylight Opening	Top Sash OM	+ 3 17/32	(90)		+ 3 7/8	(98)
Daylight Opening	Glass OM	+ 1 1/16	(27)		+ 1 1/16	(27)
Daylight Opening	Screen OM	+ 4 13/32	(112)	(DLO x 2)	+ 9 9/32	(236)
Daylight Opening	Grille	order by DLO		order by DLO		

Wood Ultimate Insert Double Hung Operating Unit								
Unit Measurements		Width		Height				
From	To							
Inside Opening		In	mm	In	mm		In	mm
Inside Opening	Bottom Sash OM	-3 9/32	(83)	-10 9/32	(261)	+ 2	+ 5 11/16	(98)
Inside Opening	Top Sash OM	-3 9/32	(83)	-10 9/32	(261)	+ 2	+ 3 7/8	
Inside Opening	Daylight Opening	-6 13/16	(173)	-10 9/32	(261)	+ 2		
Inside Opening	Glass OM	-5 3/4	(146)	-8 5/32	(207)	+ 2		
Inside Opening	Screen OM	-1 27/32	(47)	-1	(25)			
Inside Opening	Frame OM @ Interior	-3/8	(10)	-1/4	(06)			
Inside Opening	Frame OM @ Exterior	-3/8	(10)	-1/4	(06)			

Height				
8 Degree Bottom Sill				
In	mm		In	mm
-9 27/32	(250)	+ 2	+ 5 11/16	(144)
-9 27/32	(250)	+ 2	+ 3 7/8	(98)
-9 13/16	(249)	+ 2		
-7 23/32	(196)	+ 2		
-9/16	(14)			
-1/4	(06)			
+ 3/16	(05)			

Measurement Conversions: Transom and Picture

Wood Ultimate Insert Double Hung Transoms					
Unit Measurements		Width		Height (not affected by sill)	
From	To				
Daylight Opening		in	mm	in	mm
Daylight Opening	Sash OM	+ 3 17/32	(90)	+ 4 11/32	(110)
Daylight Opening	Glass OM	+ 1 1/16	(27)	+ 1 1/16	(27)
Daylight Opening	Grille	order by DLO		Order by DLO	

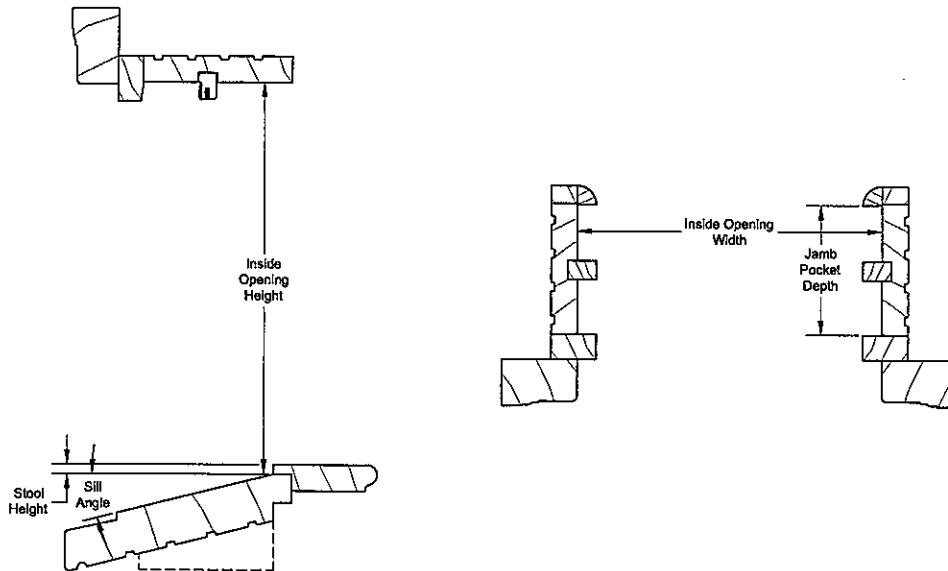
Unit Measurements		Width		Height			
From	To			Flat Sill Bottom		8 Degree Sill Bottom	
Inside Opening		in	mm	in	mm	in	mm
Inside Opening	Sash OM	-3 9/32	(83)	-2 11/32	-(60)	-1 29/32	(48)
Inside Opening	Daylight Opening	-6 13/16	(173)	-6 11/16	-(170)	-6 1/4	(159)
Inside Opening	Glass OM	-5 3/4	(146)	-5 5/8	-(143)	-5 3/16	(132)
Inside Opening	Frame OM @ Interior	-3/8	(10)	-1/4	-(06)	-1/4	(06)
Inside Opening	Frame OM @ Exterior	-3/8	(10)	-1/4	-(06)	+ 3/16	(05)

Wood Ultimate Insert Double Hung Picture					
Unit Measurements		Width		Height (not affected by sill type)	
From	To				
Daylight Opening		in	mm	in	mm
Daylight Opening	Sash OM	+ 4 7/8	(124)	+ 5 21/32	(144)
Daylight Opening	Glass OM	+ 1 3/16	(30)	+ 1 3/16	(30)
Daylight Opening	Grille	order by DLO		order by DLO	

Unit Measurements		Width		Height			
From	To			Flat Sill Bottom		8 Degree Sill Bottom	
Inside Opening		in	mm	in	mm	in	mm
Inside Opening	OM of BMC	-1 15/16	(49)	-2 1/4	(57)	-1 13/16	(46)
Inside Opening	OM of Flat Casing	-6 13/16	(173)	-7 29/32	(201)	-7 15/32	(190)
Inside Opening	Daylight Opening	-5 5/8	(143)	-6 23/32	(171)	-6 9/32	(160)
Inside Opening	OM of Frame	-3/8	(10)	-1/4	(06)	-1/4	(06)
Inside Opening	Daylight Opening	-3/8	(10)	-1/4	(06)	+ 3/16	(05)

Measurement Conversions: Field Measurement

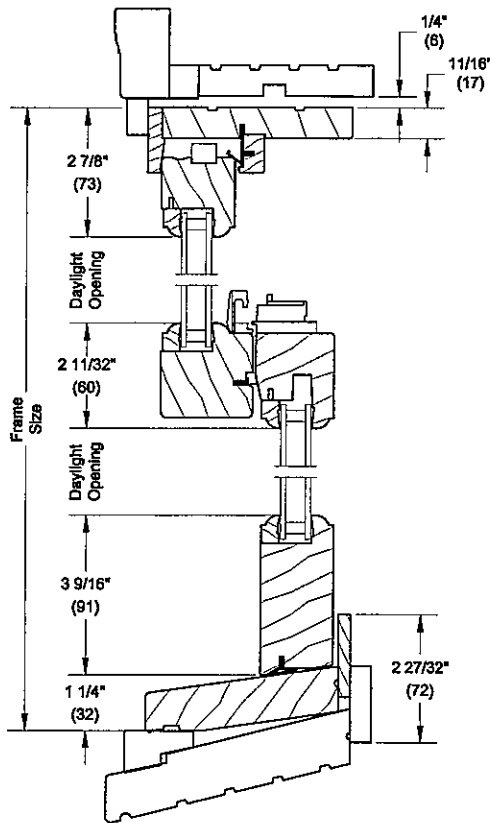
Conversion from Field Measurement to Frame OM		
Width		
Condition	Formula	
If blind stop width is 1/2 inch or less	WINDH frame OM width = inside opening width - 0.375	
Height		
Condition	Type of Sill	Formula
If old sill angle is less than 8 degrees	Flat bottom Sill	WINDH frame OM height = inside opening height - 0.250
If old sill angle is equal to or greater than 8 degrees	8 degree bottom sill	WINDH frame OM height = inside opening height + 0.180



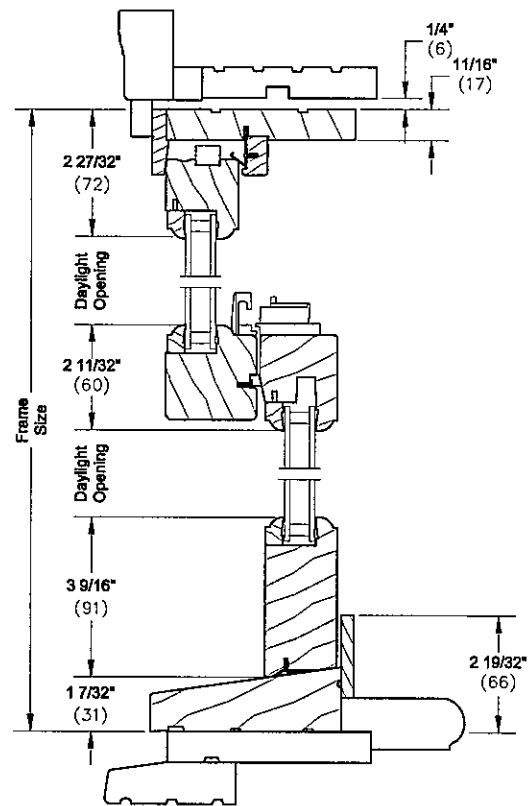
NOTE: For additional measuring instructions see Marvin Insert Window Measuring Instructions.

Section Details: Operator

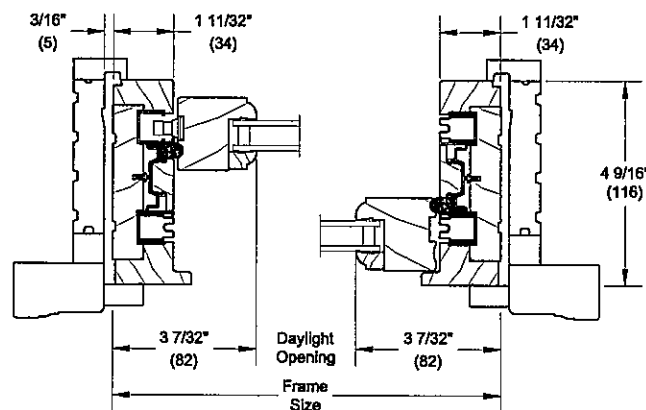
Scale: 3" = 1' 0"



Head Jamb, Checkrail, with Beveled Sill
installed in existing frame



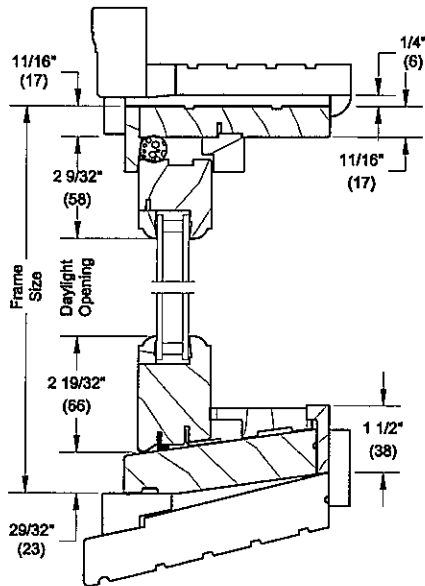
Head Jamb, Checkrail, with Flat Sill Option
installed in existing frame



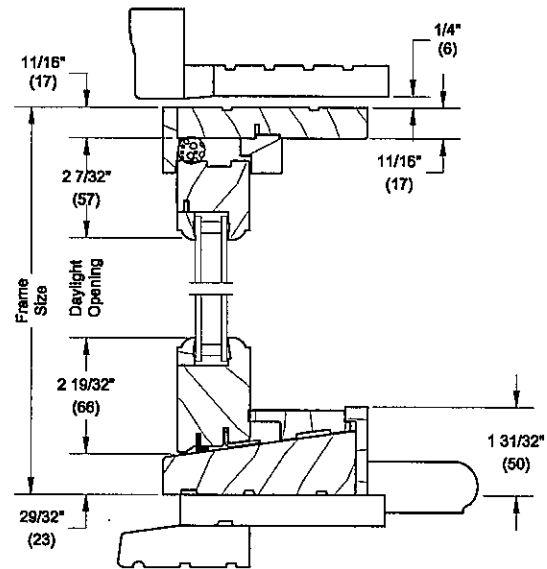
Jambs installed in existing frame

Section Details: Transom

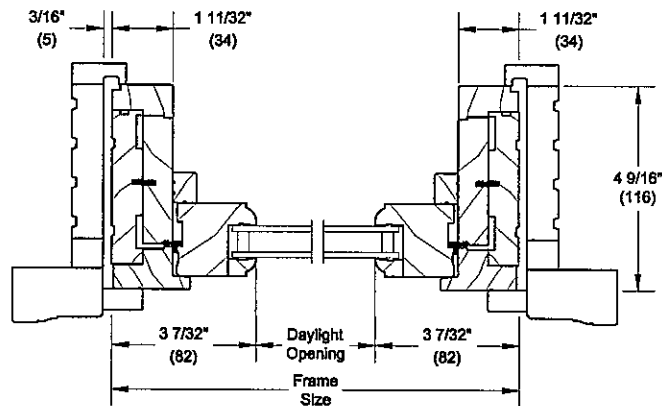
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Transom Head Jamb with Beveled Sill
installed in existing frame



Transom Head Jamb with Flat Sill Option
installed in existing frame

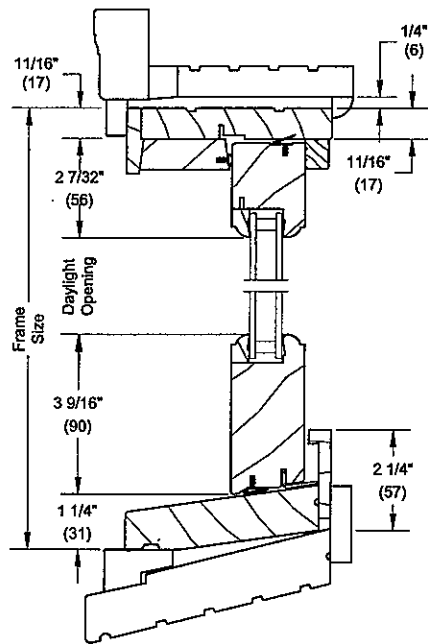


Transom Jambs installed in existing frame

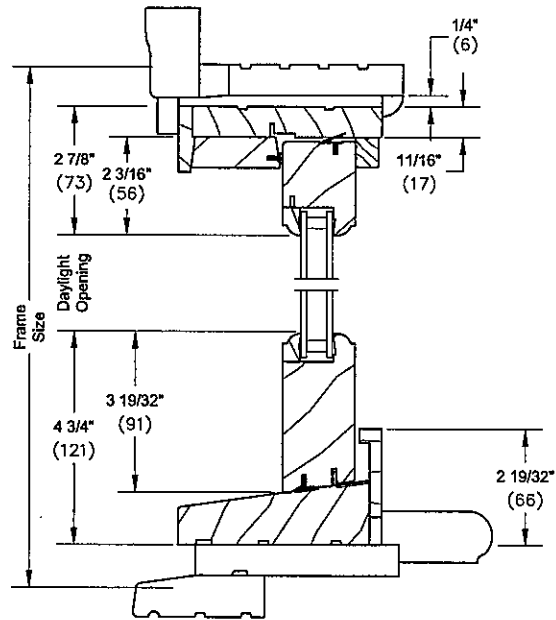
Wood Ultimate Insert Double Hung

Section Details: Picture

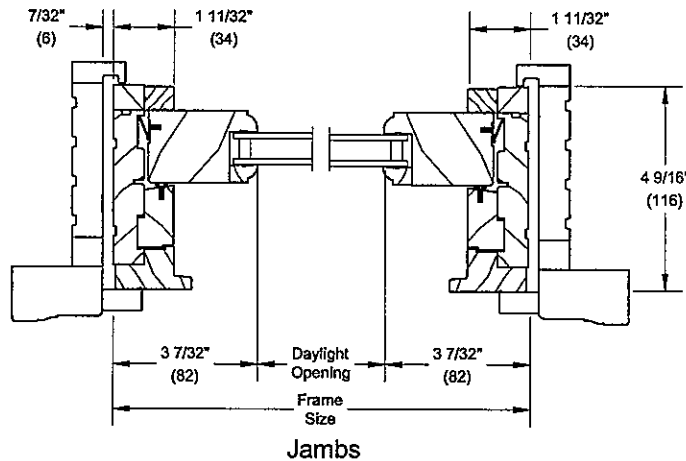
Scale: 3" = 1' 0"



Picture Head Jamb with Beveled Sill
installed in existing frame



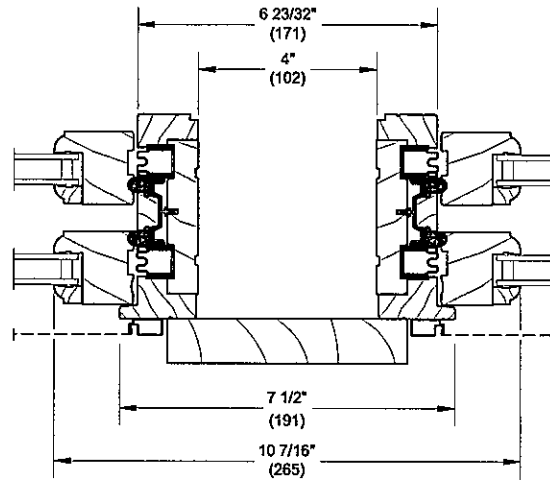
Picture Head Jamb with Flat Sill Option
installed in existing frame



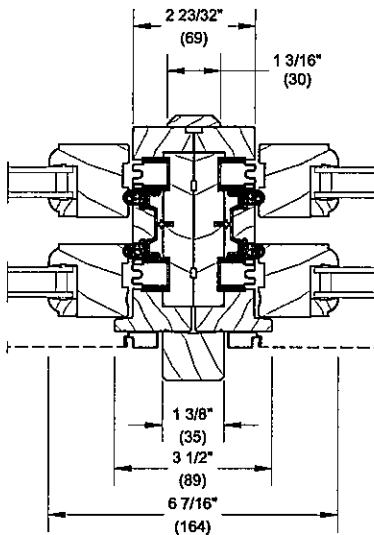
Jambs

Section Details: Mullions

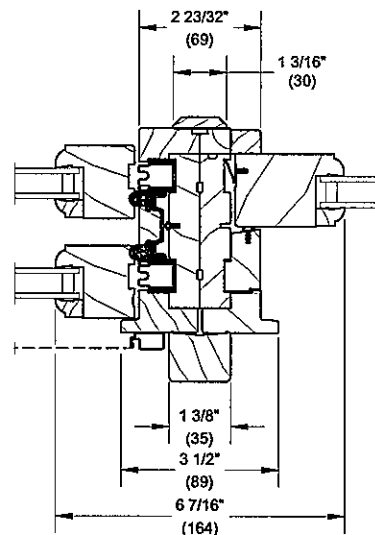
Scale: 3" = 1' 0"



Vertical Mullion - with 4" Space Mull
Operator/Operator



Vertical Mullion
Operator/Operator/Direct Mull



Vertical Mullion
Operator/Picture/Direct Mull