

# MANISTEE CITY HISTORIC DISTRICT COMMISSION

Meeting of Thursday, September 2, 2010  
3:00 p.m. - Council Chambers, City Hall, 70 Maple Street,  
Manistee, Michigan

## AGENDA

### I Call to Order

### II Roll Call

### III Approval of Agenda

At this time the Historic District Commission can take action to approve the September 2, 2010 Agenda.

### IV Approval of Minutes

At this time Historic District Commission can take action to approve the August 5, 2010 meeting Minutes.

### V New Business

#### **Paula M. Rozmiarek and Jeff Gordon, 347 River Street - Window Replacement (HDC-2010-17)**

A request for a Certificate of Appropriateness has been received from Paula M. Rozmiarek and Jeff Gordon, 347 River Street for window replacement as submitted with application HDC-2010-17.

At this time the Historic District Commission could take action to approve/deny the request for a Certificate of Appropriateness for window replacement as submitted with application HDC-2010-17.

#### **Jeff Gordon and Paula M. Rozmiarek, 411 River Street - A new Wood Door East Side of Building (HDC-2010-18)**

A request for a Certificate of Appropriateness has been received from Paula M. Rozmiarek and Jeff Gordon, 411 River Street for the installation of a new Wood Door on the East Side of the Building as submitted with application HDC-2010-18.

At this time the Historic District Commission could take action to approve/deny the request for a Certificate of Appropriateness for the installation of a new Wood Door on the East Side of the Building as submitted with application HDC-2010-18.

**Jeff Gordon and Paula M. Rozmiarek, 411 River Street - Chimney Extension (HDC-2010-19)**

A request for a Certificate of Appropriateness has been received from Paula M. Rozmiarek and Jeff Gordon, 411 River Street for a chimney extension as submitted with application HDC-2010-19.

At this time the Historic District Commission could take action to approve/deny the request for a Certificate of Appropriateness for a chimney extension as submitted with application HDC-2010-19.

**James & Susan Matthews, 334, 336 & 338 River Street - Facade improvements to rear of building (HDC-2010-20)**

A request for a Certificate of Appropriateness has been received from James & Susan Matthews, 334, 336 & 338 River Street for Certificate of Appropriateness for facade improvements to rear of building as submitted with application HDC-2010-20.

At this time the Historic District Commission could take action to approve/deny the request for a Certificate of Appropriateness for facade improvements to rear of building as submitted with application HDC-2010-20.

**VI Old Business**

**VII Public Comments and Communications concerning Items not on the Agenda**

At this time the Chair will ask if there are any public comments.

**VIII Correspondence**

At this time the Chair will ask if any correspondence has been received to be read into the record.

**IX Reports**

Main Street/DDA Director  
Museum Director  
Community Development Director

**X Members Discussion**

At this time the Chair will ask members of the Historic District Commission if they have any items they want to discuss.

**XI Worksession**

**XII Adjournment**



PLANNING AND ZONING  
COMMUNITY DEVELOPMENT  
231.398.2805  
FAX 231.723-1546  
www.ci.manistee.mi.us

## MEMORANDUM

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TO: Historic District Commissioners

FROM: Denise Blakeslee *DB*

DATE: August 25, 2010

RE: Historic District Commission Meeting September 2, 2010

Commissioners, attached is the September 2, 2010 Historic District Commission meeting agenda. We have the following item on the Agenda.

New Business:

**Paula M. Rozmiarek and Jeff Gordon, 347 River Street - Window Replacement (HDC-2010-17)**

**Jeff Gordon and Paula M. Rozmiarek, 411 River Street - A new Wood Door East Side of Building (HDC-2010-18)**

**Jeff Gordon and Paula M. Rozmiarek, 411 River Street - Chimney Extension (HDC-2010-19)**

**James & Susan Matthews, 334, 336 & 338 River Street - Facade improvements to rear of building (HDC-2010-20)**

The last item in your packet is in response to the question about painting/maintenance and assessment that was asked at the August Meeting

If you are unable to make the meeting please call or leave a message.

djb



Historic Overlay Permit No: PHDC10017

Community Development Department
Phone: (231) 398 2805

70 Maple Street
Fax: (231) 723 1546

Manistee, Michigan 49660

347 RIVER STREET Location
51-453-708-04

ROZMAREK PAULA Owner
411 RIVER ST
MANISTEE MI 49660
(248) 262 6695

Issued: 09/07/10
Const value 0
Zoning: Sec. No.

PLEASE CALL (231) 398-2806
FOR AN INSPECTION 24 HOURS IN ADVANCE

Contractor
411 RIVER ST pH# (248) 262 6695
MANISTEE MI 49660

Work Description: On September 2, 2010 the Historic District Commission approved the request for a Certificate of Appropriateness for window replacement as submitted with application HDC-2010-17. Steve Harold verified with the applicant that the proposed replacement windows would be acceptable.

Must follow all Codes and Ordinances as they apply to this project.

Table with 4 columns: Permit Item, Work Type, Fee Basis, Item Total. Row 1: Fee Basis 0.00, Item Total 0.00

Official signature and title

Fee Total: \$0.00
Amount Paid: 0.00
Balance Due: \$0.00

I agree this permit is only for the work described, and does not grant permission for additional or related work which requires separate permits. I understand that Land Use Permits expire, and become null and void if work is not started within 365 days. Building permit will expire, and become null and void if work is not started within 180 days, or if work is suspended or abandoned for a period of 180 days at any time after work has commenced; and, that I am responsible for assuring all required inspections are requested in conformance with the applicable code. I hereby certify that the proposed work is authorized by the owner, and that I am authorized by the owner to make this application as his authorized agent. I agree to conform to all applicable laws of the State of Michigan and the local jurisdiction. All information on the permit application is accurate to the best of my knowledge.

Payment of permit fee constitutes acceptance of the above terms.



## Application for a Certificate of Appropriateness

Historic District Commission, 70 Maple Street, Manistee, MI 49660 (231) 398-2805 www.ci.manistee.mi.us

Submitted by: **Paula M. Rozmiarek and Jeff Gordon**  
Mailing Address: **347 River Street, Manistee, Michigan 49660**  
Phone & Email Address: **(248) 613-5302 fishtowndesign@gmail.com**  
Address of Affected Property: **347-349 River Street, Manistee, Michigan 49660**  
Type of Application: **Reconstruction-Rehabilitation**  
Proposed Work Start Date: **After receipt of materials, or Spring 2011**  
Proposed Completion Date: **Within one month of start date**  
Description of work proposal: **Window replace at front of store, as described below**

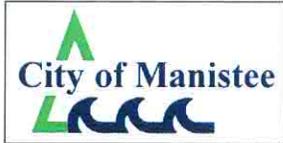
**Reconstruct/Rehabilitation of the East store front at 347 River Street, with the objective of matching the historical design. This request is to replace the 2<sup>nd</sup> story windows with those that match the existing windows, but fit the masonry opening better. The selected windows are Anderson 400 series double-hung windows.**

**Exhibit A is a photograph of the windows being considered (minus the lattice work). The archway above the window will be sealed to match the design of the double-hung windows.**

**Exhibit B is a photograph of the existing store front detailing the reconstruction to be completed. The new windows will look very similar to the existing ones, with the only change being that the windows will fill the opening better.**

EXHIBIT A: Photograph double-hung windows





Application for a Certificate of Appropriateness

EXHIBIT B: Photograph of building exterior highlighting window replacement



Submitted by: Paula Rozmiarek

Paula Rozmiarek

Date: August 10, 2010

**Office Use Only:**

Date Submitted: 8.23.10 Application #: HDC.2010-11 Meeting Date: 9.3.10

Notes: \_\_\_\_\_

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## Denise Blakeslee

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**From:** Fish Town Design [fishtowndesign@gmail.com]  
**Sent:** Sunday, August 22, 2010 6:06 PM  
**To:** Denise Blakeslee; Jon Rose  
**Subject:** Re: Historical submission - 347 River Street - Upstairs windows  
**Attachments:** Installation.pdf

Hi Denise - Attached is the supporting material for the windows.

On Sun, Aug 22, 2010 at 5:54 PM, Fish Town Design <[fishtowndesign@gmail.com](mailto:fishtowndesign@gmail.com)> wrote:  
Hi Denise - Attached is the updated submission for the upper windows on the front of 347 River Street. I am going to forward the supporting material for the windows in a separate email.

Thanks!

Jeff  
(248) 228-6739



Historic Overlay Permit No: PHDC10019

Community Development Department
Phone: (231) 398 2805

70 Maple Street
Fax: (231) 723 1546

Manistee, Michigan 49660

411 RIVER STREET Location
51-350-702-05

Issued: 09/07/10
Const value 0
Zoning: Sec. No.

PLEASE CALL (231) 398-2806
FOR AN INSPECTION 24 HOURS IN ADVANCE

GORDON JEFFREY S Owner
411 1/2 RIVER ST
MANISTEE MI 49660

Contractor
411 1/2 RIVER ST pH#
MANISTEE MI 49660

Work Description: On September 2, 2010 the Historic District Commission approved the request for a Certificate of Appropriateness for a chimney extension as submitted with application HDC-2010-19.

Must follow all Codes and Ordinances as they apply to this project.

Table with 4 columns: Permit Item, Work Type, Fee Basis, Item Total. Row 1: Fee Basis 0.00, Item Total 0.00

Official

Fee Total: \$0.00
Amount Paid: 0.00
Balance Due: \$0.00

I agree this permit is only for the work described, and does not grant permission for additional or related work which requires separate permits. I understand that Land Use Permits expire, and become null and void if work is not started within 365 days. Building permit will expire, and become null and void if work is not started within 180 days, or if work is suspended or abandoned for a period of 180 days at any time after work has commenced; and, that I am responsible for assuring all required inspections are requested in conformance with the applicable code. I hereby certify that the proposed work is authorized by the owner, and that I am authorized by the owner to make this application as his authorized agent. I agree to conform to all applicable laws of the State of Michigan and the local jurisdiction. All information on the permit application is accurate to the best of my knowledge.

Payment of permit fee constitutes acceptance of the above terms.



## Application for a Certificate of Appropriateness

Historic District Commission, 70 Maple Street, Manistee, MI 49660 (231) 398-2805 www.ci.manistee.mi.us

Submitted by: **Jeff Gordon and Paula M. Rozmiarek**  
Mailing Address: **411 River Street, Manistee, Michigan 49660**  
Phone & Email Address: **(248) 613-5302 fishtowndesign@gmail.com**  
Address of Affected Property: **411 River Street, Manistee, Michigan 49660**  
Type of Application: **Reconstruction-Rehabilitation**  
Proposed Work Start Date: **Fall 2010**  
Description of work proposal: **Building reconstruction, as described below**

**Reconstruct/Rehabilitation of 411 River Street, with the objective of matching the design found within Manistee. The rehabilitation of this building is to be accomplished in multiple phases. In this phase the existing chimney will be extended from the roof top where it is currently covered to a workable height.**

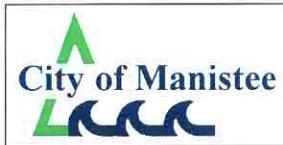
- 1. The chimney will be all brick and will extend approximately 36” above the roof deck, as depicted in exhibit A.**
- 2. Chimney will be topped with a cap to match that of the ledge.**
- 3. The bricks are Old Chicago, the mortar consists of 4 parts local mortar sand, 1 part type M mortar and two fluid ounces of Acryl 60.**



## Application for a Certificate of Appropriateness

### EXHIBIT A: Depiction of the proposed chimney.





## Application for a Certificate of Appropriateness

Submitted by: Jeff Gordon

Date:

Jeff Gordon

August 21, 2010

**Office Use Only:**

Date Submitted: 8.23.10 Application #: H7C-2010-P Meeting Date: 9.2.10

Notes: \_\_\_\_\_

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## Denise Blakeslee

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**From:** Fish Town Design [fishtowndesign@gmail.com]  
**Sent:** Sunday, August 22, 2010 6:38 PM  
**To:** Denise Blakeslee; Jon Rose  
**Subject:** Historical Application - 411 River Chimney  
**Attachments:** Historical Application - 411 River - 21Aug10 - Chimney.doc

Hi Denise - Attached is an updated version of my request for approval to increase the height of the chimney located at the back of 411 River Street. Please confirm receipt of this email.

Thanks!

Jeff  
(248) 228-6739



# Historic Overlay Permit No: PHDC10018

Community Development Department  
Phone: (231) 398 2805

70 Maple Street  
Fax: (231) 723 1546

Manistee, Michigan 49660

**411 RIVER STREET** Location  
51-350-702-05

GORDON JEFFREY S Owner  
411 1/2 RIVER ST  
MANISTEE MI 49660

Issued: 09/07/10  
Const value 0  
Zoning: Sec. No.

Contractor  
411 1/2 RIVER ST pH#  
MANISTEE MI 49660

**PLEASE CALL (231) 398-2806  
FOR AN INSPECTION 24 HOURS IN ADVANCE**

**Work Description:**

On September 2, 2010 the Historic District Commission approved the request for a Certificate of Appropriateness for the installation of a new Wood Door on the East Side of the Building as submitted with application HDC-2010-18 or a door with vertical panels as approved by Steve Harold can be used.

**Must follow all Codes and Ordinances as they apply to this project.**

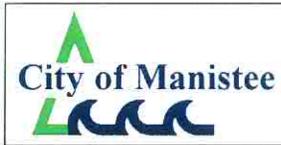
Permit Item	Work Type	Fee Basis	Item Total
		0.00	0.00

**Official**

**Fee Total:** \$0.00  
**Amount Paid:** 0.00  
**Balance Due:** **\$0.00**

I agree this permit is only for the work described, and does not grant permission for additional or related work which requires separate permits. I understand that Land Use Permits expire, and become null and void if work is not started within 365 days. Building permit will expire, and become null and void if work is not started within 180 days, or if work is suspended or abandoned for a period of 180 days at any time after work has commenced; and, that I am responsible for assuring all required inspections are requested in conformance with the applicable code. I hereby certify that the proposed work is authorized by the owner, and that I am authorized by the owner to make this application as his authorized agent. I agree to conform to all applicable laws of the State of Michigan and the local jurisdiction. All information on the permit application is accurate to the best of my knowledge.

**Payment of permit fee constitutes acceptance of the above terms.**



## Application for a Certificate of Appropriateness

Historic District Commission, 70 Maple Street, Manistee, MI 49660 (231) 398-2805 www.ci.manistee.mi.us

Submitted by: **Jeff Gordon and Paula M. Rozmiarek**  
Mailing Address: **411 River Street, Manistee, Michigan 49660**  
Phone & Email Address: **(248) 228-6739 fishtowndesign@gmail.com**  
Address of Affected Property: **411 River Street, Manistee, Michigan 49660**  
Type of Application: **Reconstruction-Rehabilitation**  
Proposed Work Start Date: **September 30, 2010**  
Description of work proposal: **Building reconstruction, as described below**

**Reconstruct/Rehabilitation of 411 River Street, with the objective of matching the design found within Manistee. The rehabilitation of this building is to be accomplished in multiple phases. In this phase a side entry door will be added in the Southernmost window opening on the East side of the building.**

- 1. Issue new permit to insert a Wood door side entry and reduce the size of the previously approved side window.**
  - a. The door will be a 36" wide wooden entry door of standard height (~6' 8").**
  - b. This door will be a Traditional style, Exterior Five panel Oak wooden door manufactured by Simpson. The manufacturer model number is 2055. Exhibit A depicts the Oak Wooden Entry door.**
  - c. The door and window will split the existing 96" opening.**
  - d. The window will be ~ 60" tall by 48" wide, to fit masonry opening. This window is half the width that was previously approved.**
  - e. As previously approved, the window will be glazed with Insulated Glass Units (IGU's) include Low E, Clear glass (same glass as that deployed in the Manistee Museum).**
  - f. As previously approved, the IGU's will be one inch in total thickness, dual pane tempered glass with each pane 1/4" in thickness.**
  - g. As previously approved, the window frame will be wood with the IGU sandwiched between mitered layered Oak boards. A 1 3/4" round dowel will frame the sides and top of the window. Exhibit B depicts the design concept.**
  - h. The door frame details will match those of the window frames.**
  - i. Exhibit C depicts the new window and door concept.**
  - j. Egress design to be addressed with Manistee Building Inspector.**



## Application for a Certificate of Appropriateness

### EXHIBIT A: Wooden Oak Entry Door to be installed on South East side of building





# Application for a Certificate of Appropriateness

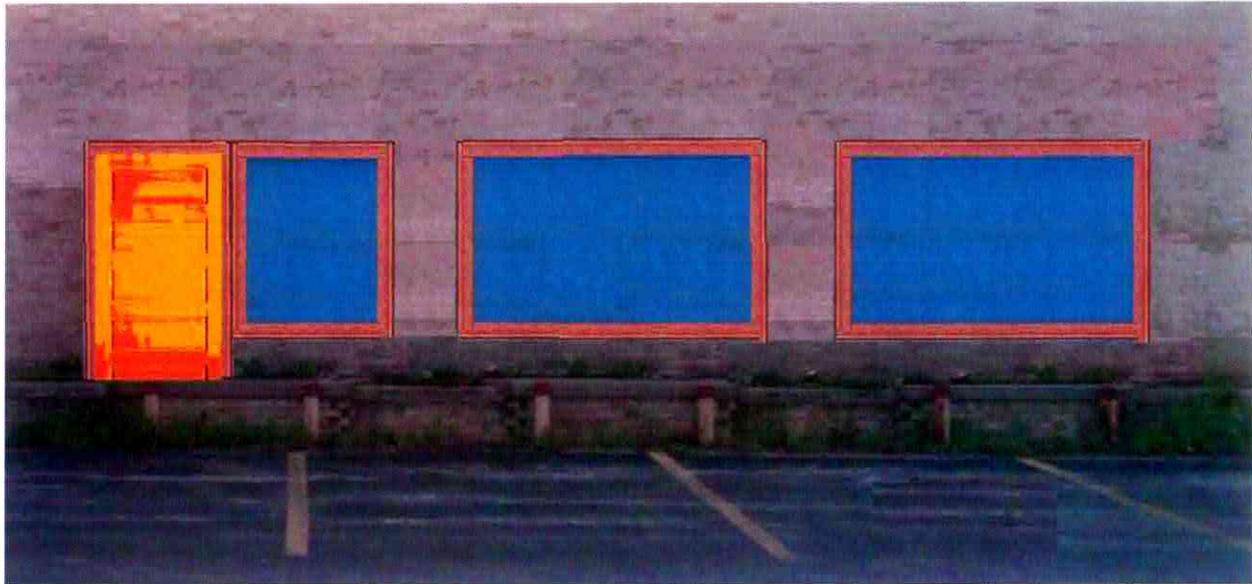
## EXHIBIT B: Depiction of window frame design





# Application for a Certificate of Appropriateness

## EXHIBIT C: Depiction of new Wooden door entry and Window combination



Submitted by: Jeff Gordon

Date:

Jeff Gordon

August 22, 2010

**Office Use Only:**

Date Submitted: 8.23.10 Application #: HDC.2010-15 Meeting Date: 9.7.10

Notes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# SIMPSON DOOR

 SHARE

1.800.SIMPSON



## Door Options

Maximum Weather Resistance:

[Performance Series](#)

## Traditional

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2055

Series: [Stain Grade](#)

Type: Exterior Traditional

### Standard Features

Available in Any Wood Species

Available in Virtually Any Size

**Panels:** 3/4" Double Hip-Raised

**Moulding:** na

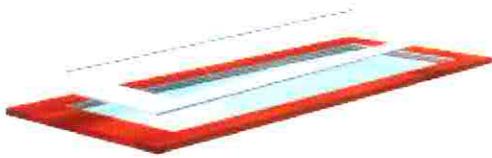
**Glass:** na

**Caming:** na

[Get a Quote](#) [Locate a Dealer](#) [Print/Share](#)



## PERFORMANCE SERIES



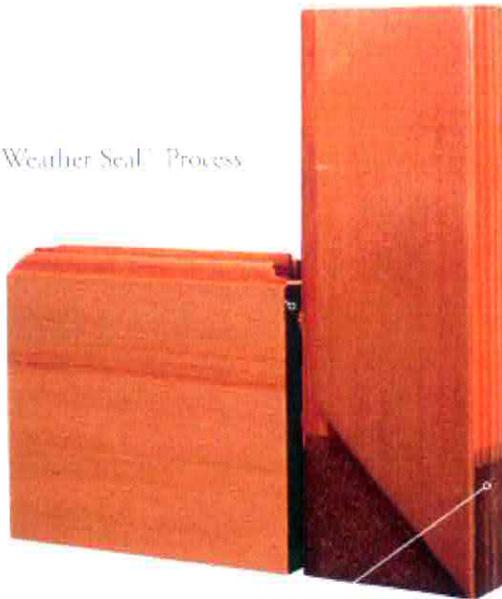
[Click to see more detail about what makes the Performance Series work.](#)

Sometimes an exterior door needs additional protection from the demanding elements of Mother Nature. Developed for exterior doors that are subject to harsher environments, Performance Series® is a selection of options that deliver maximum protection of your finely crafted Simpson door. We currently offer two Performance Series options, UltraBlock® and WaterBarrier® Technologies. The combination of these two technologies creates a door suited for the toughest exposures. And this protection is delivered without sacrificing the charm and craftsmanship you've come to expect from a Simpson door. After all, a beautiful door is only worth having if you can protect it.

---

### UltraBlock® (Available in all 1- 3/4" doors)

Exclusive Weather Seal® Process



UltraBlock® Technology

A long time favorite of Simpson's most discriminating customers, UltraBlock technology combines a composite block in the bottom of the stiles, where water infiltration typically

occurs. Our exclusive Weather Seal™ process provides additional protection against moisture penetrating the bottom rail. It's our answer to the galoshes you splashed around in as a kid.

### What is UltraBlock Technology?

- Maximum protection against extreme weather conditions
- Composite block material finger-jointed into the bottom of the stiles eliminates water infiltration
- Minimizes stile and rail separation
- Eliminates bottom rail and lower stile rot
- Reduces buckling and swelling of bottom rail and lower stile components
- Improves warp resistance
- Beautiful genuine wood
- Five year limited warranty

Order UltraBlock® in all your 1-3/4" Thick Exterior Doors.



4604

6872

7880

70730

7109

4634

### WaterBarrier®

(Patent Pending)

WaterBarrier® Technology



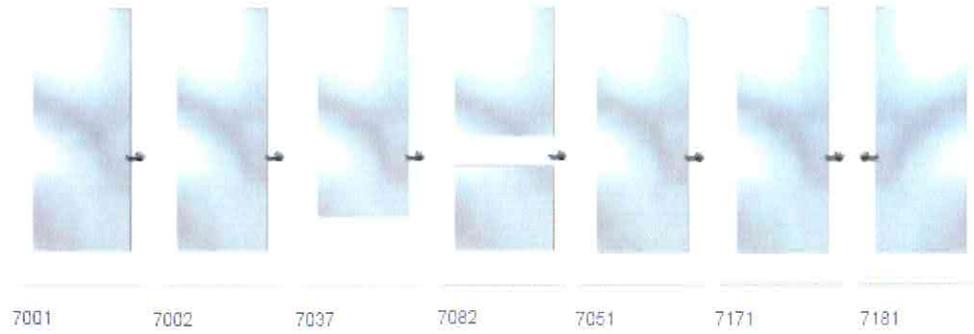
UltraBlock® Technology



Available on select French doors, WaterBarrier technology combines a Medium Density Overlay (MDO) with PVC glazing bead to create an exterior that stops water in its tracks. Select your choice of wood species and you've got the best of both worlds: water-protection on the outside and the unmatched beauty of a real wood door on the inside. It's a perfect alternative to an expensive clad door, and exactly the type of innovation you'd expect from Simpson.

### What is WaterBarrier® Technology?

- One-piece of Medium Density Overlay (MDO) on outside for the very toughest exposures - commonly used on concrete forms and street signs
- Minimizes the possibility of stile and rail separation
- Eliminates checking on the face of the door
- Excellent durability and resists moisture absorption
- Overlay has thermoset acrylic latex primer topcoat, resulting in superior paint application
- Can use water or alkyd-based paints on finish
- PVC glazing bead provides moisture resistance
- Choose any species to match interior architecture
- Available in select French doors
- Five year limited warranty



For further information, see our [Literature Request](#) page.

Simpson Performance Series U.S. Patent No. 6,185,894. This product incorporates the patented FRAMESAVER® technology under license from Endura Products, Inc. of Colfax, NC, and may be covered by one or more of the following U.S. Patent Nos. 5,661,943; 5,873,209; 5,950,391; 6,122,882; 6,425,222; 6,446,410; 7,100,339 and foreign equivalent patents. Simpson WaterBarrier Technology - Patent Pending.

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SEE US AT [GreenExpo365.com](#)

## Denise Blakeslee

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**From:** Fish Town Design [fishtowndesign@gmail.com]  
**Sent:** Sunday, August 22, 2010 7:39 PM  
**To:** Denise Blakeslee; Jon Rose  
**Subject:** Historical submission - 411 River Street - Side entry door  
**Attachments:** Historical Application - 411 River - 22Aug10 - Side Door.doc; SIMPSON DOOR Details.doc

Hi Denise - Attached is a historical application to install a side entry door centered on the East side wall at 411 River Street. This the final submission that I have for this month.

Thanks!

Jeff  
(248) 228-6739



Permit #: PHDC10020  
 Issued: 09/22/2010  
 Expires: 12/31/2013

## Historic District Certificate of Appropriateness

Planning & Zoning Department

70 Maple Street  
 Manistee, MI 49660  
 Phone 231.398.2805  
 Fax 231.723.1546  
 www.manisteemi.gov

LOCATION	OWNER	APPLICANT
334 RIVER STREET 51-452-703-17	<i>matthews</i> 1713 W 99TH ST CHICAGO IL 60643	1713 W 99TH ST CHICAGO IL 60643

**Work Description:**

On September 2, 2010 the Historic District Commission approved the request for a Certificate of Appropriateness for facade improvements to rear of building as submitted with application HDC-2010-20 with the following details noted:

Windows will be 6 over 6 or 6 over 1.

The privacy wall will reuse the existing 5 feet of concrete and 3 feet of existing brick. The step wall will reuse existing brick. In the event that a portion of the wall needs to be rebuilt then the applicant will need to come back to the commission for approval of finish materials.

The proposed egress door on the west side of the building and two doors on the riverwalk will be six panel steel security doors.

The corrugated galvanized siding is to be painted within one year of installation.

The egress doors on the two decks will either be glass doors with grids as submitted with the application or a six panel steel security door.

The Shed/pool will have french doors with grids as submitted with the application.

The shed/pool addition with skylights will be acceptable as submitted with a reduction in the roof pitch as recommended by the Commission.

**Stipulations:**

On January 3, 2013 the Historic District commission reviewed all outstanding permits

The Commission reviewed all outstanding permits for 334 River Street

MOTION BY Dave Carlson, seconded by John Perschbacher that due to the complexity of the project the Commission will need to do a complete on-site inspection of the project to verify compliance with applications. Will try to schedule an inspection with the owner in the spring when the weather is better. **All permits will be extended until December 31, 2013.** Motion passed unanimously.

Permit Item	Work Type	Fee Basis	Item Total
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**This permit is valid for a period of one year from the date issued.**

Fee Total:	\$0.00
Amount Paid:	\$0.00
<b>Balance Due:</b>	<b>\$0.00</b>

*Dennis J. Bladuslee*  
 \_\_\_\_\_  
 Official



# Historic Overlay Permit No: PHDC10020

Community Development Department  
 Phone: (231) 398 2805

70 Maple Street  
 Fax: (231) 723 1546

Manistee, Michigan 49660

**334 RIVER STREET** **Location**  
 51-452-703-17

**MATTHEWS JAMES E & SUSAN** **Owner**  
 1713 W 99TH ST  
 CHICAGO IL 60643  
 MATTHEWS JAMES E & S

Issued: 09/22/10  
 Const value 0  
 Zoning: Sec. No.  
**PLEASE CALL (231) 398-2806**  
**FOR AN INSPECTION 24 HOURS IN ADVANCE**

**Contractor**  
 1713 W 99TH ST pH#  
 CHICAGO IL 60643

**Work Description:**

On September 2, 2010 the Historic District Commission approved the request for a Certificate of Appropriateness for facade improvements to rear of building as submitted with application HDC-2010-20 with the following details noted:

Windows will be 6 over 6 or 6 over 1.

The privacy wall will reuse the existing 5 feet of concrete and 3 feet of existing brick. The step wall will reuse existing brick. In the event that a portion of the wall needs to be rebuilt then the applicant will need to come back to the commission for approval of finish materials.

The proposed egress door on the west side of the building and two doors on the riverwalk will be six panel steel security doors.

The corrugated galvanized siding is to be painted within one year of installation.

The egress doors on the two decks will either be glass doors with grids as submitted with the application or a six panel steel security door.

The Shed/pool will have french doors with grids as submitted with the application.

The shed/pool addition with skylights will be acceptable as submitted with a reduction in the roof pitch as recommended by the Commission.

**Must follow all Codes and Ordinances as they apply to this project.**

Permit Item	Work Type	Fee Basis	Item Total
		<del>0.00</del> <b>Fee Total:</b>	<del>\$0.00</del>
		<b>Amount Paid:</b>	0.00
		<b>Balance Due:</b>	<b>\$0.00</b>

\_\_\_\_\_  
**Official**

I agree this permit is only for the work described, and does not grant permission for additional or related work which requires separate permits. I understand that Land Use Permits expire, and become null and void if work is not started within 365 days. Building permit will expire, and become null and void if work is not started within 180 days, or if work is suspended or abandoned for a period of 180 days at any time after work has commenced; and, that I am responsible for assuring all required inspections are requested in conformance with the applicable code. I hereby certify that the proposed work is authorized by the owner, and that I am authorized by the owner to make this application as his authorized agent. I agree to conform to all applicable laws of the State of Michigan and the local jurisdiction. All information on the permit application is accurate to the best of my knowledge.

**Payment of permit fee constitutes acceptance of the above terms.**



# Application for a Certificate of Appropriateness

Historic District Commission, 70 Maple Street, Manistee, MI 49660 231.398-2805 www.ci.manistee.mi.us

If the owner of the property is interested in receiving tax credits, APPLICATION MUST BE MADE FIRST TO THE STATE HISTORIC PRESERVATION OFFICE.

If original features are found during renovation or demolition, a project must be stopped until an emergency meeting of the Historic District Commission is held to determine if the feature is to be incorporated into the project. If the applicant applied for Tax Credits the State Historic Preservation Office must be notified also.

This box must be checked by the applicant indicating that they have read and understood the requirements for tax credits and that a project may be stopped for review if original features are found during the course of the project. If this box is not checked the application will not be processed.

Properties within the City of Manistee Historic District are subject to the City of Manistee Historic District Ordinance (Chapter 1280 Historic District of the Code of Ordinances). The purpose of the ordinance is to preserve and protect our historic resource. The Historic District Commission is established by the Ordinance, and has the authority to review and approve all work permit applications and plans for exterior property improvements within the Historic District. Regular building maintenance is permitted and encouraged; however, a work permit is required for all alterations, significant repairs, new construction, demolition, moving of buildings, and all other activities affecting the exterior appearance of buildings and properties within these districts. Please consult staff for guidelines and specific details on permissible work.

Please Print or Type

Address of Affected Property: 334, 336, 338 River St. Manistee  
Name of Property Owner: James E + Susan Matthews  
Name of Applicant (if different): \_\_\_\_\_  
Mailing Address: 1713 W. 99th St Chicago, IL 60643  
Phone# & e-mail address: 314 220 6253 open01@ameritech.net  
Contractor/Builder/Architect: Ken Orsthal / Jim Nordlund Jr.  
Mailing Address: KOrsThal@charter.net 231 920 1262 / jimnr@nordlundassociates,ci  
Phone# & e-mail Address: 231 843 5485

Type of Application:  New Construction  Rehabilitation/Restoration  Demolition  
 Addition  Other (Specify) \_\_\_\_\_

Proposed Work Start Date: 9/1/2010 Proposed Completion Work Date: 9/1/2011

Description of Work (be specific and describe each work separately, use attached checklist. Use additional sheets if necessary):

Stabilize, Repair, and Reconstruct as described  
IN ATTACHMENT A

Incomplete requests will be returned to the applicant to supply needed information for review.

This application must be received by the City at least 10 days prior to a regularly scheduled monthly Historic District Commission meeting. The meeting is held the first Thursday of the month at 3:00 p.m. in the Council Chambers, City Hall, 70 Maple Street, Manistee, Michigan unless it is a legal holiday. Applicants are strongly encouraged to conduct a preliminary discussion with staff and attend the meeting to explain the proposed work.

The following information must be included with this application. Additional information may be required. The applicant must supply 12 copies of any items submitted that are in color.

- ▶ Current photo of the structure as seen from the street and where proposed work is to take place.
- ▶ Sketch, drawing or plans drawn to scale to show details and specification of ornamental features and a completed Certificate of Appropriateness Checklist. Replacement doors, windows and lights require a copy of the specification sheet.

Paint colors, Signage and Awnings are approved under a separate application. The Historic District Commission requires a copy of the Building Plans for review and for file.

I certify that on or before the date of completion of proposed work, my building will have a code compliant smoke detector or fire alarm system.

APPLICANT'S SIGNATURE: James & Mauck

PROPERTY OWNERS SIGNATURE: James & Mauck

Office Use Only:		
Date Submitted: <u>8-23-10</u>	Application # <u>HDC 2010-20</u>	Meeting Date: <u>9-2-10</u>
Notes: _____		

Information contained in this application, as well as supporting documents, may be subject to review by the public if a Freedom of Information Act request is filed.

## Certificate of Appropriateness Checklist

Check all of the Renovations that Apply to your project and give a brief explanation of the project attached additional sheets if necessary:

Cornice Pinnacle: NA

Upper Cornice: NA

Corbeled Brickwork: NA

Upper Facade Pilaster: NA

Window Hood: NA

Upper Windows: NA

Lower Cornice: NA

Transom Windows: NA

Storefront Piers: NA

Storefront Columns: NA

Paneled Bulkhead: NA

First Floor Windows: NA

Doors: 6 Panel Steel w/ Fiberglass, framed  
as described in Kolbe + Jeld Wen Material

Other: Windows approximately 34x64 divided like  
3 over 2 - windows will be Aluminum clad  
double hung, same opening as original, same divided  
like pattern as original - same frame proportions

Three of the windows will be approx 12" shorter  
to accom interior features but placement will  
be as indicated on elevations

The window plan being proposed is the exact window  
plan of the original building on the site.

one additional door is placed on the west wall for  
egress from the 1st floor - This door is emergency only

Building will be covered with Galvanized Steel Siding  
as it currently is - Some <sup>Page 3 of 3</sup> ~~Material~~ as noted by Historic Committee  
in August

## Attachment A

### Historic Committee design approval 334 River St. North Sections/

Prior approval has been granted for removal of approximately 30' of the NorthEast building that was formerly the Maxter and Neucombe planing mill. This section has been deemed non-contributing from the State Historic Preservation Office, and has been deemed unsalvageable by Nordlund and Associates. In addition, the site has been deemed a Brownfield facility. A substantial amount of contaminated coal ash, asbestos, and lead has been verified. Brownfield funding is being sought. Once Brownfield funding is approved the portion of the building that has been identified for removal will be required to be removed for access and removal of contaminated materials.

Nordlund and Associates have provided foundation and stabilization recommendations to be performed before, and in conjunction with Brownfield mitigation. The stabilization initiatives will be performed in a way to maximize effort and investment toward stabilization and recovery of the majority of the building.

Throughout the process Sandborn maps and even nineteenth century post cards have provided clues to the original look of the building. We cannot preserve what no longer exists; however, what remains can be reconstructed to retain the industrial period look.

A contract is being signed with Ken Orschal Construction initially to stabilize and rebuild the North wall of the post and beam frame structure that housed the shop section of the Kann auto dealership from the 1920s through the 1950s. This will entail jacking the structure to a plumb and level state. Much settling has occurred due to rotting posts and framing in the North wall. The roof and upper floor loads will be stabilized, then the lower section removed so that a new foundation can be constructed. The foundations along the West and East walls will follow in 2-3 stages in conjunction with Brownfield removal of materials. This work will not alter the exterior appearance of the building. I have confirmed with the Mark Neesen that this will be considered a repair because it will return the existing structure from a hazardous situation to a serviceable building.

Once the foundation is constructed the North wall will be rebuilt with the door and window placement that has been previously agreed upon by the Historic Committee. Windows will be of the same dimension of the original windows still existing in the space. Windows will be double-hung approximately 34"x64" sash opening, insulated glass with simulated divided light grills using 1-1/8 inch grills on both outside and inside surfaces. Windows will be aluminum clad in a dark brown finish. Windows will be from either Jeld Wen or Kolbe and Kolbe. Cut sheets from both are included. Elevations are included.

Once Brownfield approval and contract award is complete demolition of the North 26' of the brick building will occur. This will be preceded by construction of what will be the new North wall of the space. Window placement will be as presented. The third level (street level) wall will be constructed and sheeted on both sides to act as a sheer wall prior to demolition. This wall will support the roof from above, and the floor below acting as a suspension member Once the brick and other contaminated

debris are removed the lower section of the North wall will be constructed, and the East wall of the frame building will be closed has been discussed over the past several months.

One modification of the prior plans has been made. The East half of lower section of the East (brick) building will project approximately 6' from the upper level and closed with a shed roof. The shed roof will have 3 skylight panels installed, and the section will have a French patio door installed. This is not visible from the river walk, and will be the entry to a pool room at the ground level of the green space. This will reduce the amount of fill that will have to be brought in, and provide a feature to further stabilize the foundation on the riverbank.

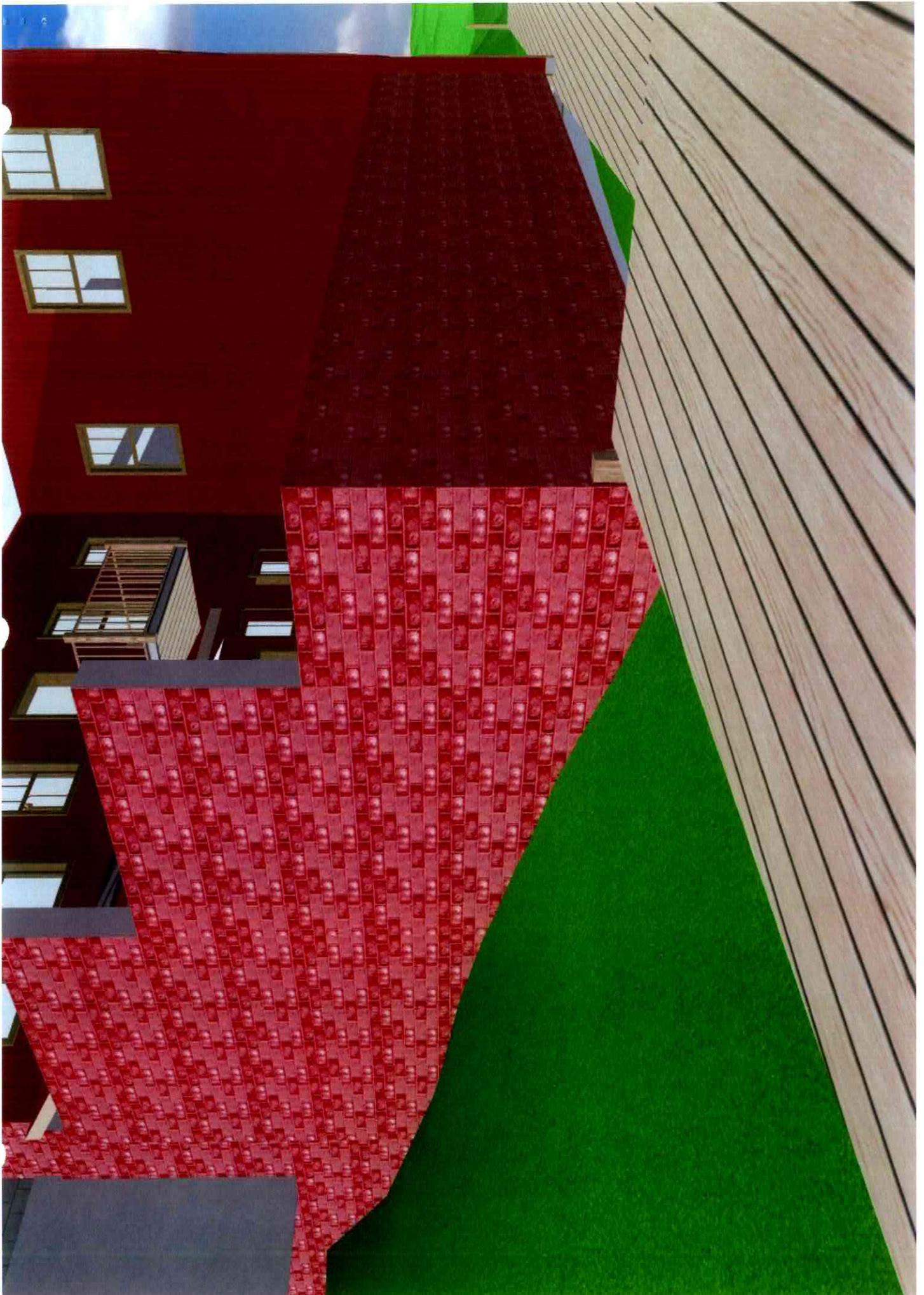
Once shell construction is complete the building will be sided with 2.67"x3/4" corrugated galvanized siding as was presented in the August meeting. Product information sheets included. This siding is similar to what exists on the structure today. Windows will be set approximately 2" into surface. The net effect will be lots of texture from the siding and the relief provided by the set back window openings. Painting will be deferred for at least 1 year so that the galvanized surface can oxidize to the point that it will except paint. If this is not done the paint will most likely peel. I have considered using the painted material, but the colors appear too contemporary.

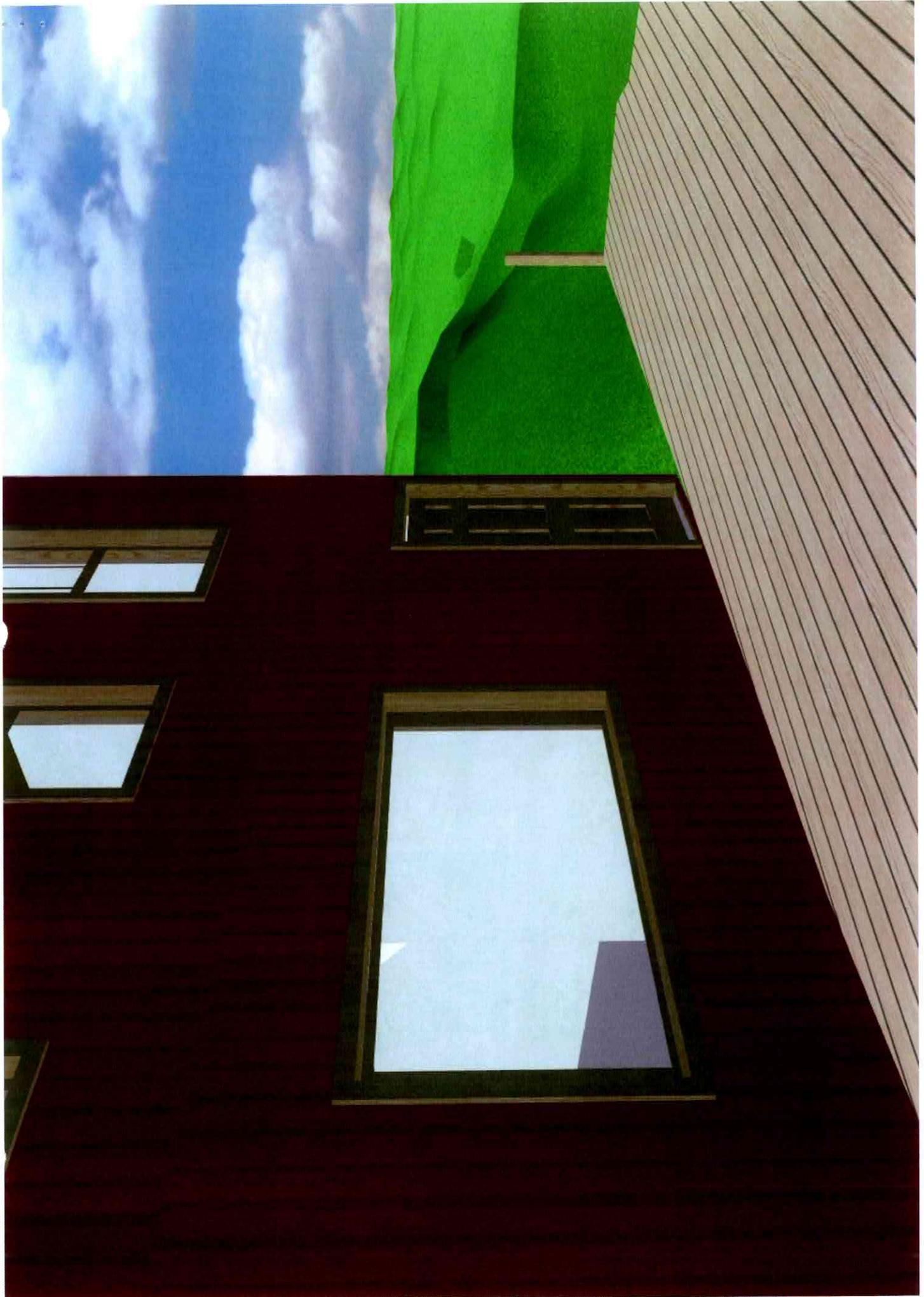
There are three solid entry doors visible from the public areas. One East (existing) and one on the West corner on the riverwalk. The East door will be access to the Riverwalk from the third level, and the West door will be access to the Riverwalk from the Second level. The intent is that the second level will become a rental unit eventually and this will provide private access to that apartment. The third door is on the West wall as far South as practical (under the 4<sup>th</sup> window in the third level to maintain symmetry). This door is purely for emergency egress from the second level apartment. Doors will be six panel steel for security. As indicated on the cut sheets.

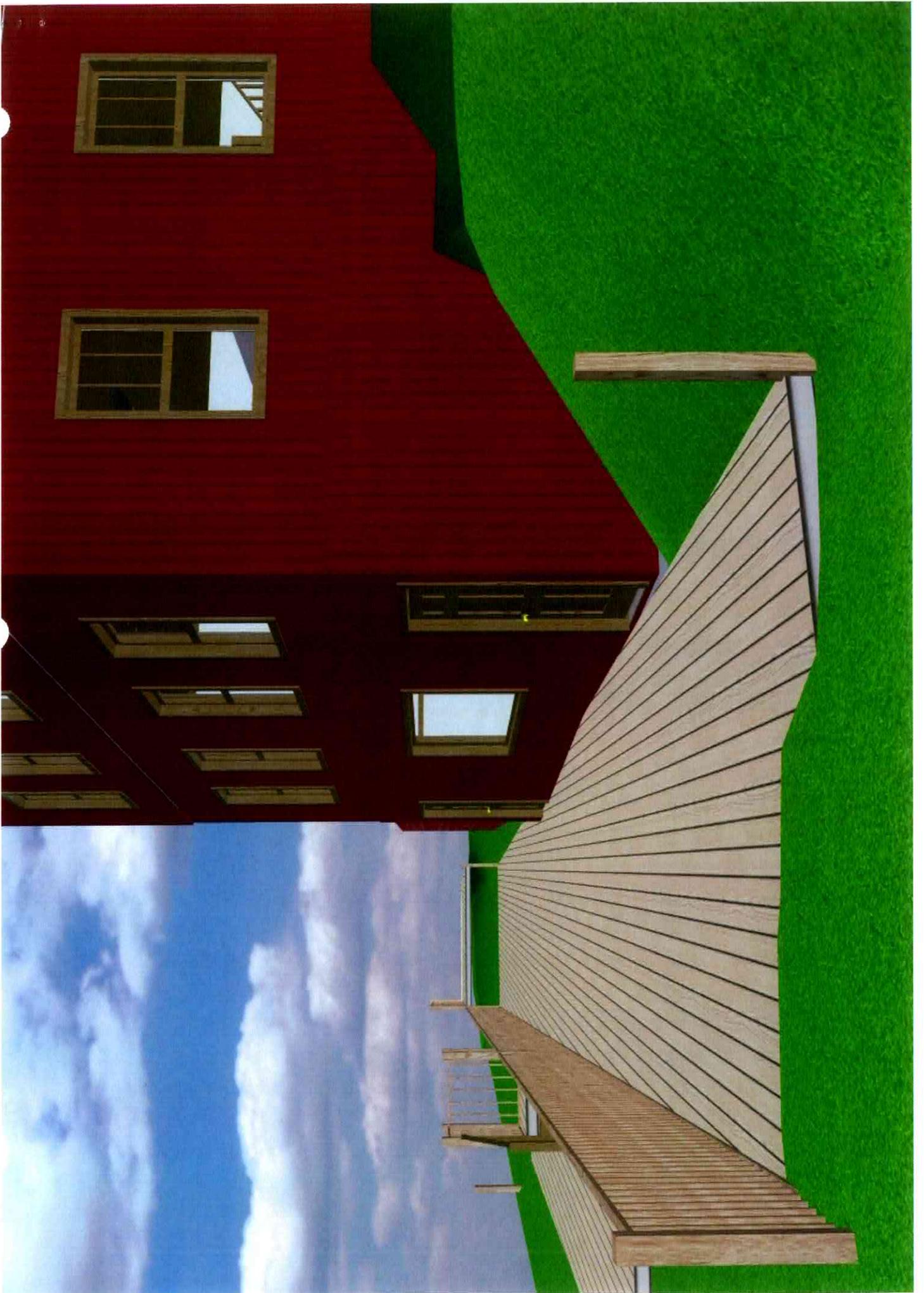








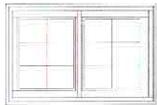
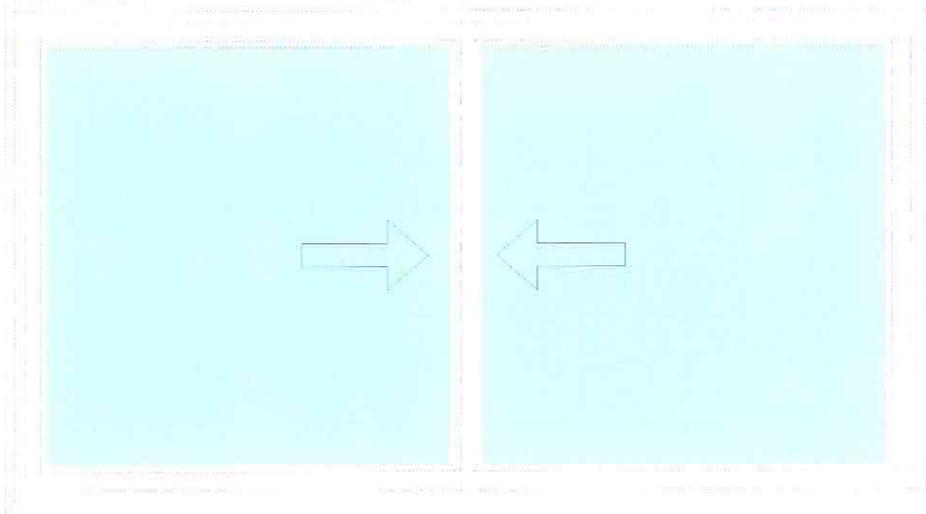






OPTIONS:

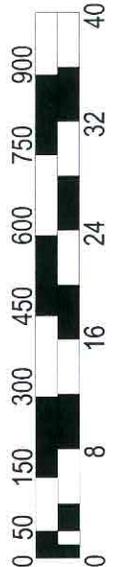
- EXTERIOR FRAME COLOR: CHESTNUT BRONZE
- HAND OPERATION: UPPER / LOWER SASH OPERABLE
- GRILLE TYPE: RECTANGULAR
- GRILLE COLOR: CHESTNUT BRONZE
- EXTERIOR TRIM: CHESTNUT BRONZE



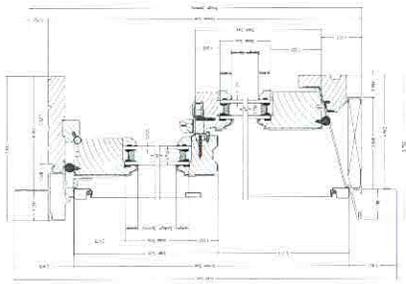
GRILLE STYLE

- NOTES:
- DO NOT SCALE DRAWINGS
  - THE INFORMATION CONTAINED IN THIS DRAWING MUST BE CONFIRMED WITH THE PRODUCT MANUFACTURER AS PRODUCT DIMENSIONS AND COMPONENTS ARE SUBJECT TO CHANGE.
  - ALL UNITS SHOWN ARE AVAILABLE AS OPERATORS ONLY.
  - UNIT ELEVATIONS ARE SHOWN WITHOUT EXTERIOR TRIM. SUBTRACT 1/2" (12.7) FROM M.O. (MASONRY OPENING) FOR UNIT SIZE.
  - DIMENSIONAL VALUES IN BRACKETS ARE MILLIMETER (mm) CONVERSIONS
  - ALL OPERATING SASH ARE INSTALLED W/ VINYL JAMB LINERS & OPERATED W/ AN INTERNAL BLOCK & TACKLE SPRING SYSTEM.

MANUFACTURER: JELD-WEN, WINDOWS & DOORS  
WINDOW AND PATIO DOOR INQUIRIES: 800-535-3936  
INTERIOR AND ENTRANCE DOOR INQUIRIES: 877-535-3462  
PRODUCT NAME: PREMIUM CLAD DOUBLE HUNG UNITS  
LOCATION:  
ARCHITECT: MATTHEWS ENGINEER: PAGE 1 DRAWING #  
DATE: 8/22/2010



ELEVATION  
SIZE: W 37-3/8" (949) x 68" (1727)

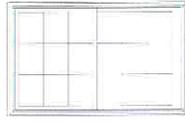
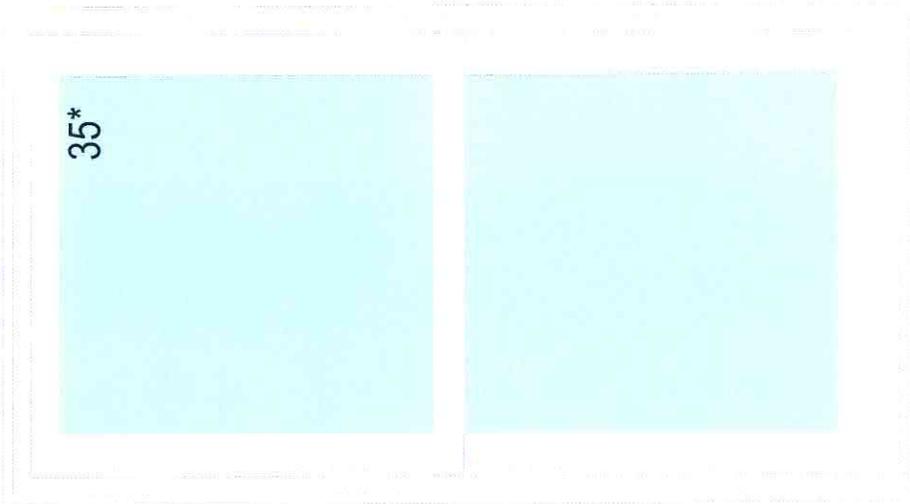


VERTICAL SECTION  
SCALE: 1:10

OPTIONS:

EXTERIOR FRAME COLOR: CHESTNUT BRONZE  
HAND OPERATION: N/A  
GRILLE TYPE: RECTANGULAR  
GRILLE COLOR: CHESTNUT BRONZE  
EXTERIOR TRIM: CHESTNUT BRONZE

ELEVATION SYMBOL LEGEND:  
## - NUMBER INDICATES DESIGN PRESSURE (DP)  
RATING W/ STANDARD GLAZING.  
E - BASIC UNIT CLEAR OPENING EXCEEDS 20" IN  
WIDTH, 24" IN HEIGHT & A MIN. OF 5.7 SQ. FT.  
R - UNIT SASH TRAVEL IS RESTRICTED.  
F - UNIT SASH TRAVEL IS RESTRICTED & UPPER  
SASH IS FIXED.



GRILLE STYLE

NOTES:

1. DO NOT SCALE DRAWINGS
2. THE INFORMATION CONTAINED IN THIS DRAWING MUST BE CONFIRMED WITH THE PRODUCT MANUFACTURER AS PRODUCT DIMENSIONS AND COMPONENTS ARE SUBJECT TO CHANGE.
3. ALL UNITS SHOWN ARE AS OPERATORS ONLY.
4. UNIT ELEVATIONS ARE SHOWN WITHOUT EXTERIOR TRIM. SUBTRACT 1/2" (12.7) FROM M.O. (MASONRY OPENING) FOR UNIT SIZE.
5. ALL OPERATING SASH ARE INSTALLED WITH VINYL JAMB LINERS AND OPERATED WITH AN INTERNAL BLOCK AND TACKLE SPRING SYSTEM.
6. DIMENSIONAL VALUES IN BRACKETS ARE MILLIMETER (mm) CONVERSIONS
7. ALL GLASS SIZES ARE NOMINAL.

MANUFACTURER: JELD-WEN, WINDOWS & DOORS  
WINDOW AND PATIO DOOR INQUIRIES: 800-535-3936  
INTERIOR AND ENTRANCE DOOR INQUIRIES: 877-535-3462

PRODUCT NAME: CUSTOM CLAD OPERATING UNITS

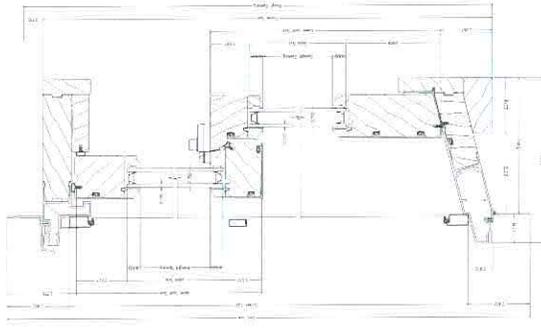
LOCATION:  
ARCHITECT: MATTHEWS ENGINEER:  
DATE: 8/22/2010 PAGE 1

DRAWING #

PROJECT:  
FILE: 912-378829-2010822\_192847



ELEVATION  
SIZE: W 35-1/4" (895) x 65-1/4" (1657)

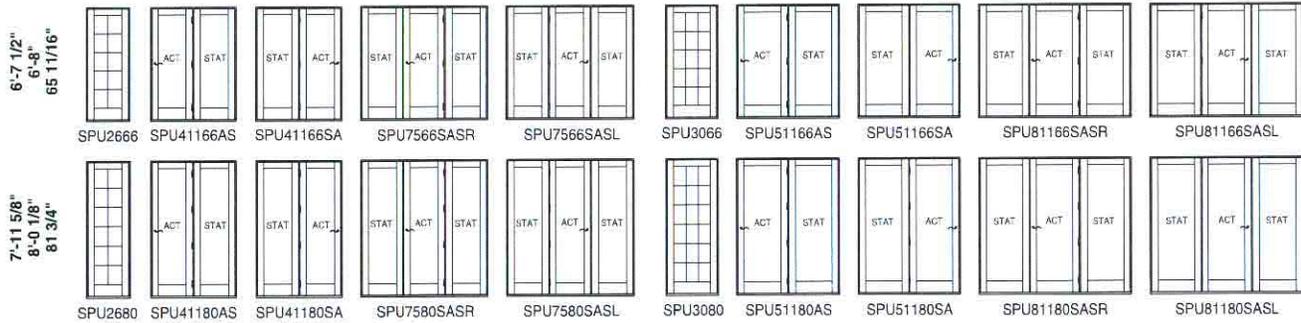


VERTICAL SECTION  
SCALE: 1:10

# INSWING PATIO DOOR

## INSWING PATIO DOORS

F.S.	2'-6 1/4"	4'-11 7/16"	4'-11 7/16"	7'-4 5/8"	7'-4 5/8"	3'-0 1/4"	5'-11 7/16"	5'-11 7/16"	8'-10 5/8"	8'-10 5/8"
R.O.	2'-6 3/4"	4'-11 15/16"	4'-11 15/16"	7'-5 1/8"	7'-5 1/8"	3'-0 3/4"	5'-11 15/16"	5'-11 15/16"	8'-11 1/8"	8'-11 1/8"
G.S.	20 5/16"	20 5/16"	20 5/16"	20 5/16"	20 5/16"	26 5/16"	26 5/16"	26 5/16"	26 5/16"	26 5/16"



### NOTES:

All measurements are nominal. Elevation charts are not to scale.

Operation is viewed from the interior. When ordering single units, specify stationary, hinged left or hinged right.

Grilles are optional. The grille configuration shown for a single panel is typical for each panel in the unit.

Additional swinging door sizes are available in the Entrance Door section.

Some installation procedures will require a larger rough opening than noted (i.e. installations utilizing our installation clips), therefore, you may need to increase the rough opening size accordingly. Rough opening gaps may be increased up to a maximum of 1/2" on all sides and still be within good practice guidelines.

F.S. = Frame Size • R.O. = Rough Opening • G.S. = Glass Size (Glass sizes are shown per panel.)

## DIMENSION CALCULATIONS

	WIDTH	HEIGHT
F.S. to Panel O.S.M. (1-wide, active)	-1 13/16"	-2 23/32"
(1-wide, stationary)	-1 3/4"	-2 23/32"
(2-wide)	-2 9/16"+2	-2 23/32"
(3-wide)	-3 15/16"+3	-2 23/32"
Panel O.S.M. to G.S.	-8 1/8"	-11 3/32"
G.S. to D.L.O.	-1"	-1"

NOTE: Dimension calculations for transoms may be obtained from your supplier. Clear opening dimensions can be found on pg. 152.

Elevation charts provide frame sizes for units without brickmould.

Below are the calculations to determine overall unit dimensions for units with brickmould.

1 15/16" brickmould; F.S. to U.D.	+2 5/8"	+1 5/16"
3 1/2" flat or profiled casing; F.S. to U.D.	+5 1/2"	+2 3/4"
3 1/2" flat casing & backband; F.S. to U.D.	+7"	+3 1/2"

F.S. = Frame Size • G.S. = Glass Size • O.S.M. = Outside Measurement  
D.L.O. = Daylight Opening • U.D. = Unit Dimension

# INSWING PATIO DOOR

## INSWING PATIO DOORS | FRENCH DOORS

	F.S.	4'-11 7/16"	4'-11 7/16"	5'-11 7/16"	5'-11 7/16"	
	R.O.	4'-11 15/16"	4'-11 15/16"	5'-11 15/16"	5'-11 15/16"	
	G.S.	20 5/16"	20 5/16"	26 5/16"	26 5/16"	
6'-7 1/2" 6'-8" 65 11/16"						
	SPFU41166AL	SPFU41166AR	SPFU51166AL	SPFU51166AR		
	7'-11 5/8" 8'-0 1/8" 81 3/4"					
		SPFU41180AL	SPFU41180AR	SPFU51180AL	SPFU51180AR	

### NOTES:

All measurements are nominal. Elevation charts are not to scale.

Operation is viewed from the interior.

Grilles are optional. The grille configuration shown for a single panel is typical for each panel in the unit.

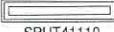
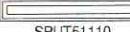
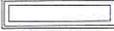
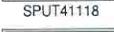
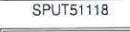
Additional swinging door sizes are available in the Entrance Door section.

Some installation procedures will require a larger rough opening than noted (i.e. installations utilizing our installation clips), therefore, you may need to increase the rough opening size accordingly. Rough opening gaps may be increased up to a maximum of 1/2" on all sides and still be within good practice guidelines.

F.S. = Frame Size • R.O. = Rough Opening • G.S. = Glass Size (Glass sizes are shown per panel.)

# INSWING PATIO DOOR

## INSWING | RECTANGULAR TRANSOMS

	F.S.	2'-6 1/4"	3'-0 1/4"	4'-11 7/16"	5'-11 7/16"
	R.O.	2'-6 3/4"	3'-0 3/4"	4'-11 15/16"	5'-11 15/16"
	G.S.	24 3/4"	30 3/4"	53 15/16"	65 15/16"
11 1/2"	1'-0"				
		SPUT2610	SPUT3010	SPUT41110	SPUT51110
10"	1'-4"				
		SPUT2614	SPUT3014	SPUT41114	SPUT51114
12"	1'-6"				
		SPUT2616	SPUT3016	SPUT41116	SPUT51116
14"	1'-8"				
		SPUT2618	SPUT3018	SPUT41118	SPUT51118
18"	2'-0"				
		SPUT2620	SPUT3020	SPUT41120	SPUT51120
24"	2'-6"				
		SPUT2626	SPUT3026	SPUT41126	SPUT51126

### NOTES:

All measurements are nominal. Elevation charts are not to scale.

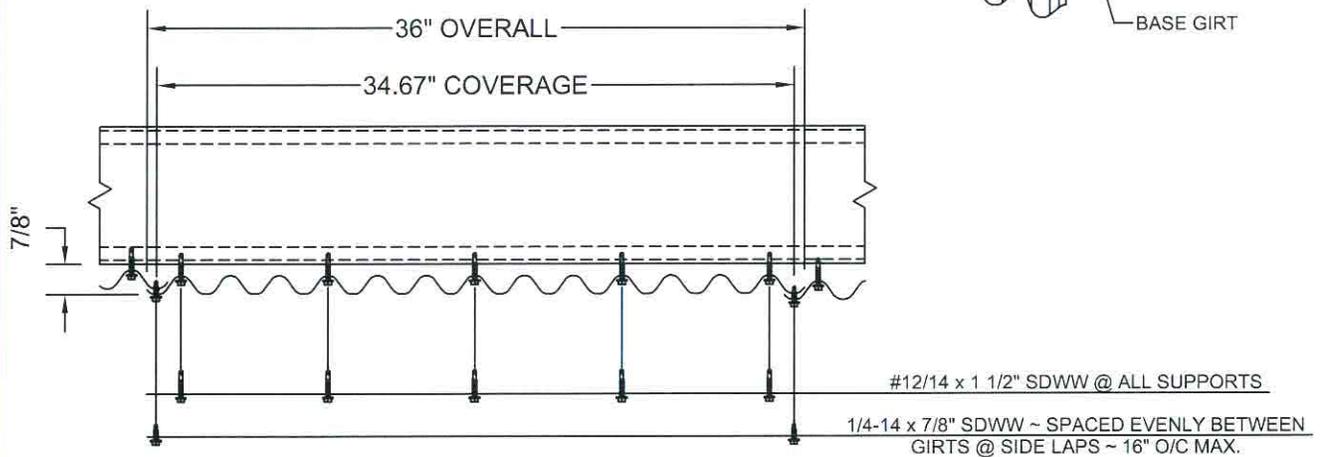
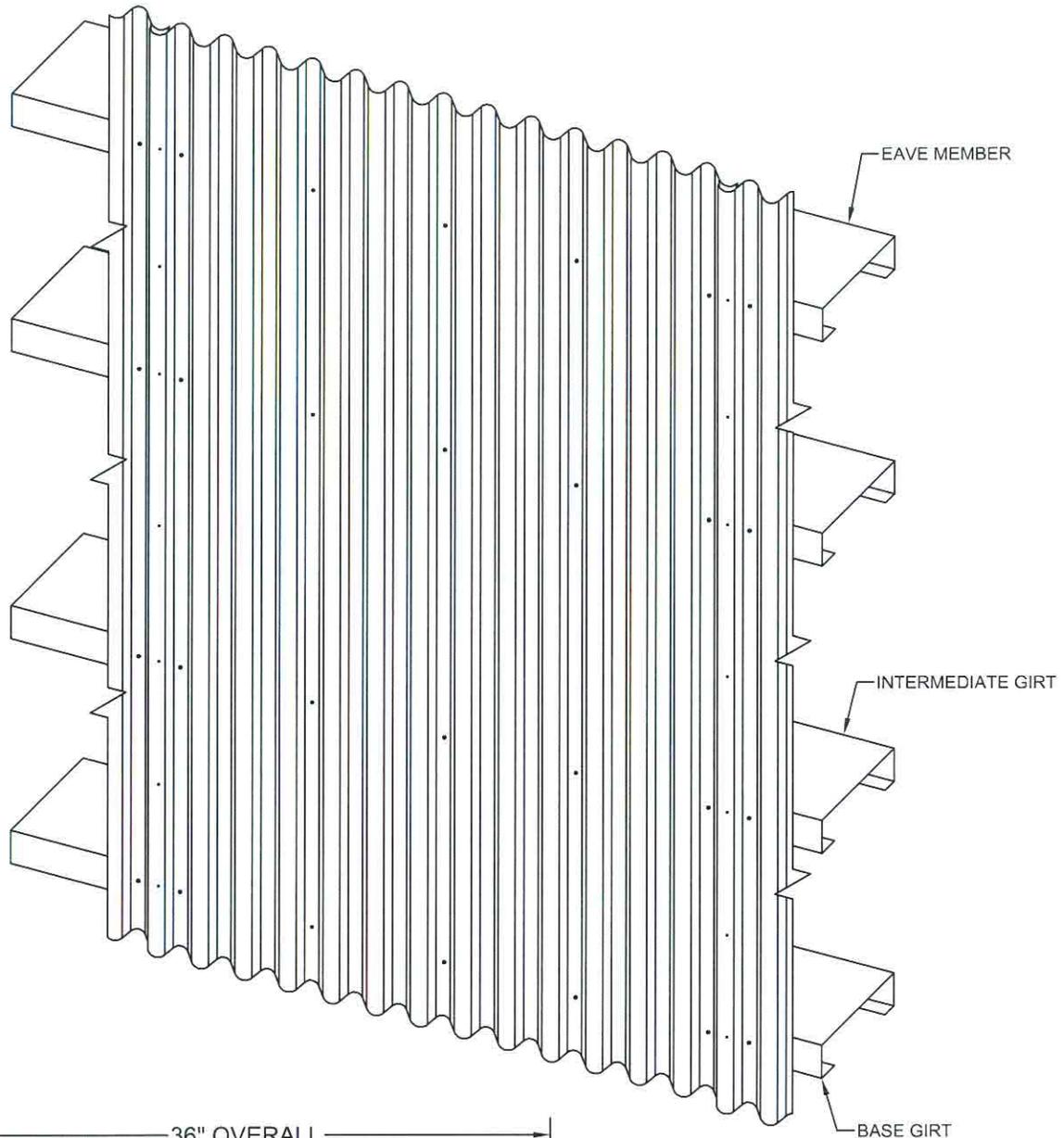
Rectangular transom units are sash set as standard.

The units shown are stand-alone units. Adjustments may be required when stacking over other units; adjustments will be made in the factory.

Grille configurations must be specified when ordering.

Some installation procedures will require a larger rough opening than noted (i.e. installations utilizing our installation clips), therefore, you may need to increase the rough opening size accordingly. Rough opening gaps may be increased up to a maximum of 1/2" on all sides and still be within good practice guidelines.

F.S. = Frame Size • R.O. = Rough Opening • G.S. = Glass Size



BOX 515 RAILROAD STREET  
 SANDY LAKE, PENNSYLVANIA 16145-0515  
 PHONE: 800-245-0396 ° FAX: 724-376-3864

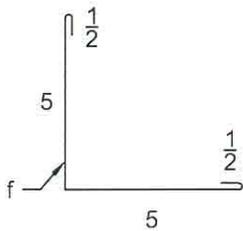
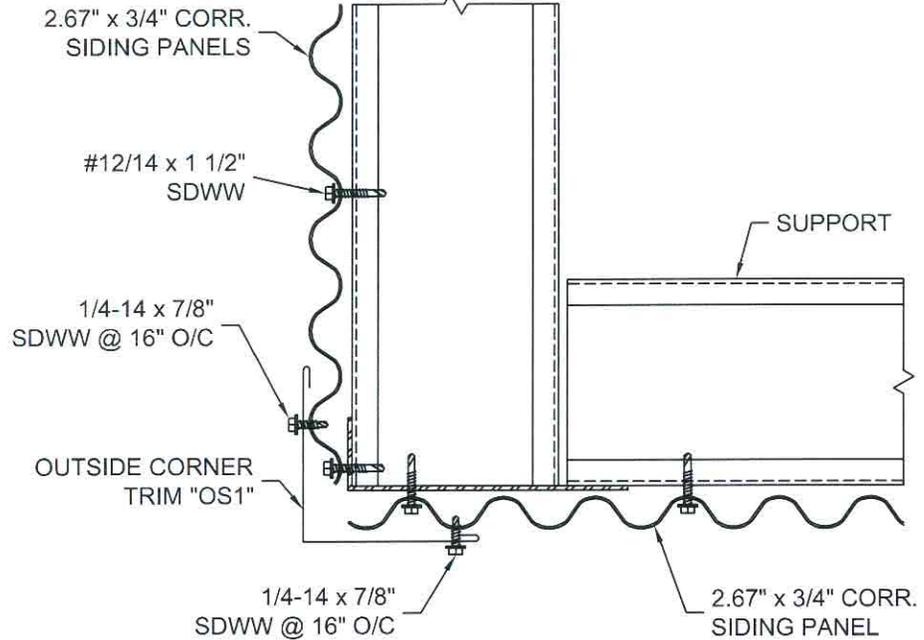
**2.67" x 3/4" CORRUGATED  
 STANDARD DETAILS**

DRAWN BY: *D. UREY*  
 CHECKED BY:

DATE: *9-8-05*  
 DATE:

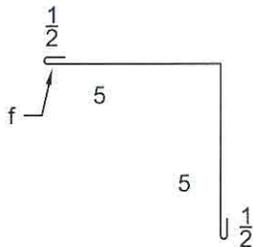
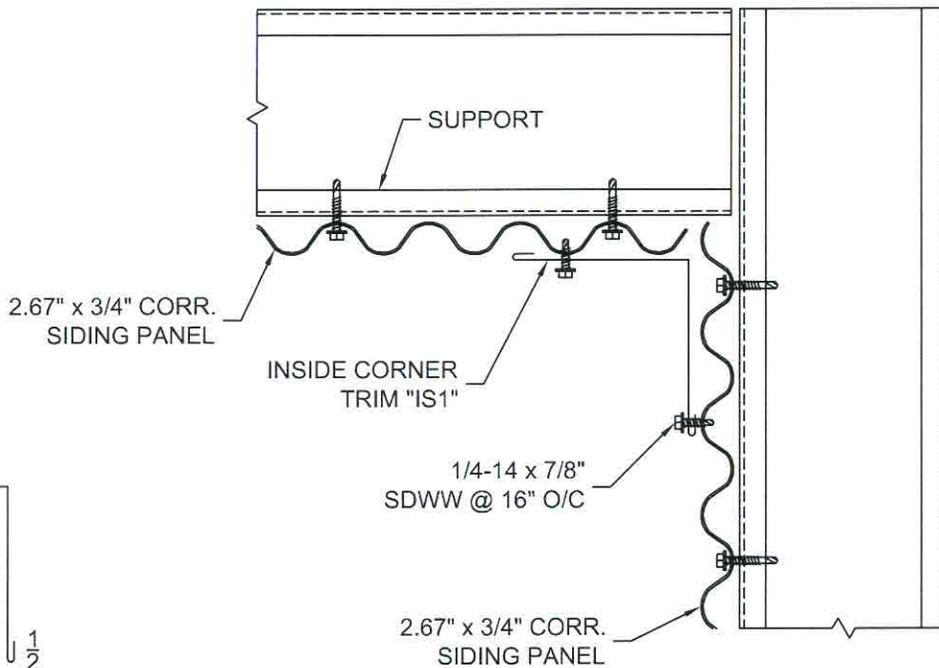
ISOMETRIC SIDING  
 FASTENER DETAIL

DRAWING NO.  
**2.67"x3/4"-4**



"OS1" OUTSIDE CORNER TRIM

## OUTSIDE CORNER DETAIL



"IS1" INSIDE CORNER TRIM

## INSIDE CORNER DETAIL



BOX 515 RAILROAD STREET  
SANDY LAKE, PENNSYLVANIA 16145-0515  
PHONE: 800-245-0396 • FAX: 724-376-3864

2.67" x 3/4" CORRUGATED  
STANDARD DETAILS

DRAWN BY:

D. UREY

DATE:

9-8-05

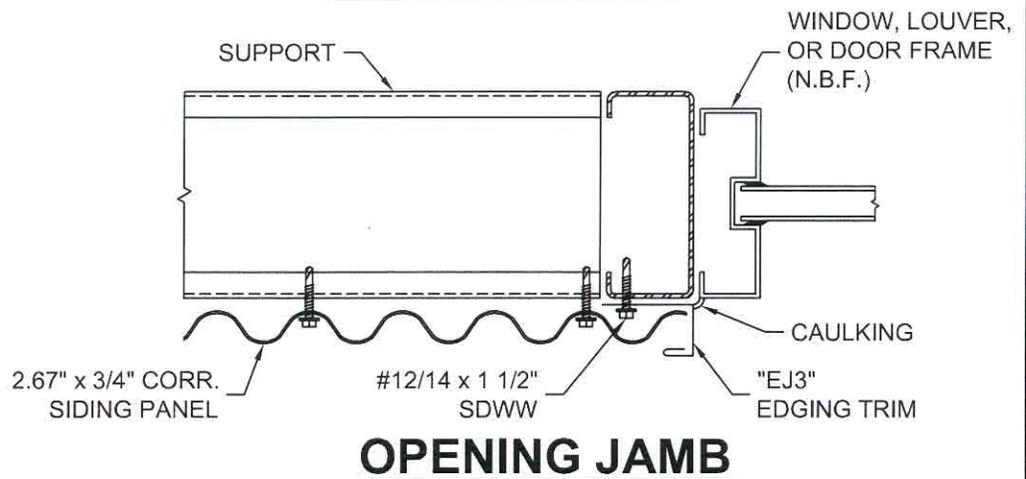
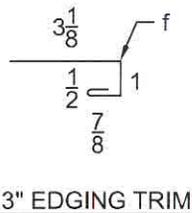
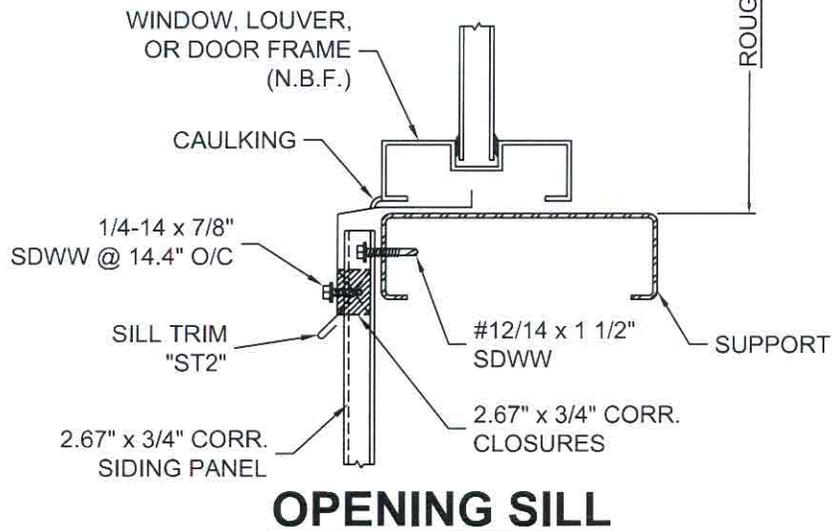
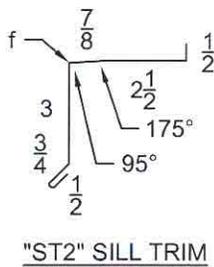
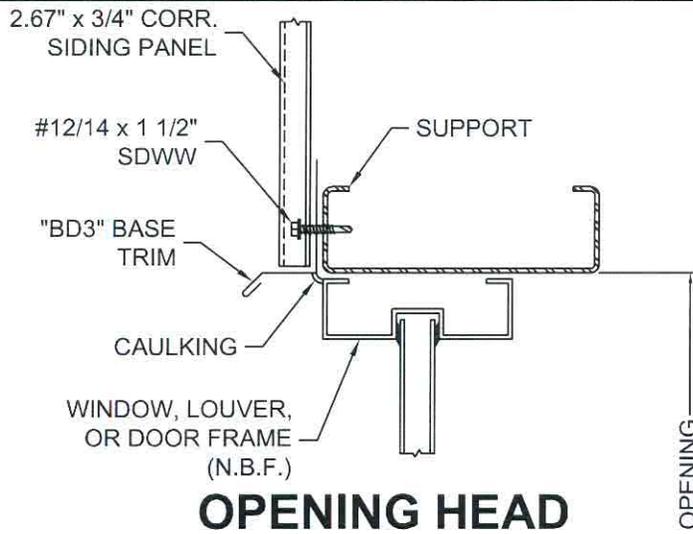
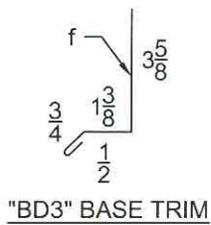
REVISED BY:

DATE:

OUTSIDE & INSIDE CORNER  
DETAILS

DRAWING NO.

2.67" x 3/4" - 11



BOX 515 RAILROAD STREET  
SANDY LAKE, PENNSYLVANIA 16145-0515  
PHONE: 800-245-0396 ° FAX: 724-376-3864

**2.67" x 3/4" CORRUGATED  
STANDARD DETAILS**

DRAWN BY: *D. UREY* DATE: *9-8-05*  
REVISED BY: DATE:

OPENING HEAD, SILL, & JAMB  
DETAILS

DRAWING NO.  
**2.67"x3/4"-10**



Frame Size  
Rgh. Opng.  
Glass Size

1'-9 1/2"  
1'-10"  
16"

2'-1 1/2"  
2'-2"  
20"

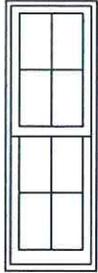
2'-5 1/2"  
2'-6"  
24"

2'-7 1/2"  
2'-8"  
26"

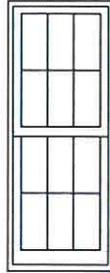
2'-9 1/2"  
2'-10"  
28"

2'-11 1/2"  
3'-0"  
30"

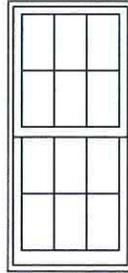
5'-4 7/16"  
5'-5"  
28"



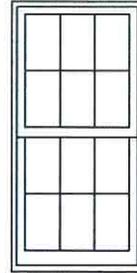
UDH1628



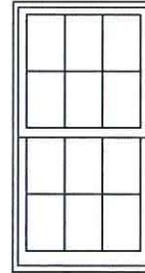
UDH2028



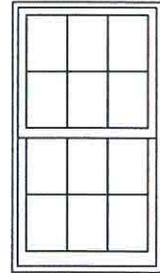
UDH2428



UDH2628

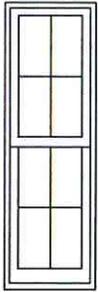


UDH2828

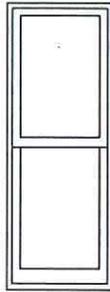


UDH3028\*

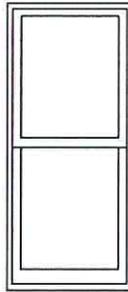
5'-8 7/16"  
5'-9"  
30"



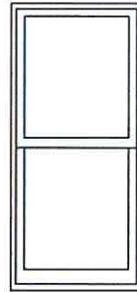
UDH1630



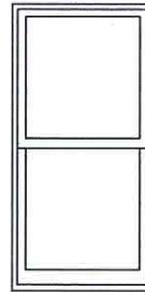
UDH2030



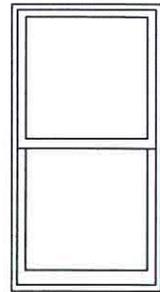
UDH2430



UDH2630

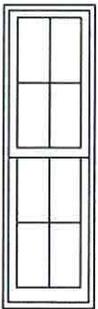


UDH2830\*

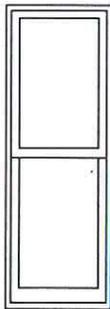


UDH3030\*

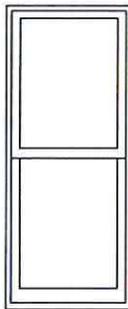
6'-0 7/16"  
6'-1"  
32"



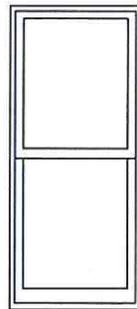
UDH1632



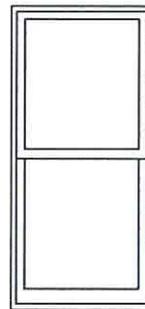
UDH2032



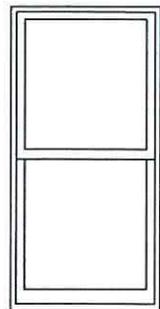
UDH2432



UDH2632\*

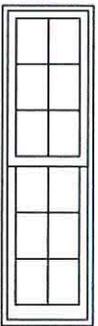


UDH2832\*

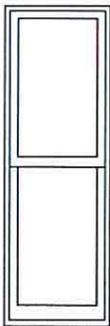


UDH3032\*

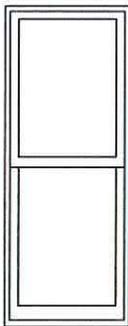
6'-4 7/16"  
6'-5"  
34"



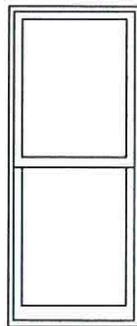
UDH1634



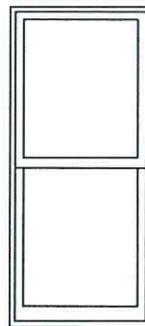
UDH2034



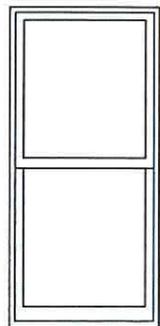
UDH2434\*



UDH2634\*



UDH2834\*



UDH3034\*

Scale: 1/4" = 1'-0"

\*Units marked with an asterisk (\*) meet most national building codes for Emergency Escape & Rescue Opening requirements.

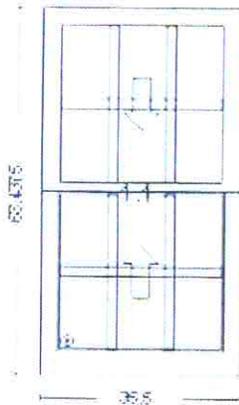
### Window and Door Details

Line Number 001-1  
 Label None Assigned  
 Number of Units 1  
 Product Name Classic Rectangle Double Hung

\*\*\* Casing-Jamb-Trim \*\*\*

Nailing Fin Yes  
 Jamb Depth 8"  
 Jamb Applied Yes  
 Jamb Exact No  
 Kerf Jamb No  
 Stool Prep No

Outside View (Scaled To Fit)



\*\*\* Performance \*\*\*

Specify Desired DP Rating No  
 Display Current DP Rating Info. No  
 Performance High Performance

\*\*\* Unit \*\*\*

Call Width 30  
 Call Height 30  
 Unit Type Complete Unit  
 Production Current  
 Sash Material Ciad  
 Model Traditional  
 Additional Unit Notes (Applied to Each Selected Unit) No

Quantity (20)  
 Cubic Feet 18.7  
 Unit Price \$893.57  
 Extended Price \$17,871.40

\*\*\* Pricing Details \*\*\*

Base Price \$343.86  
 Lower Glass PDL \$142.56  
 Upper Glass PDL \$142.56  
 Screen \$31.02  
 Lower Glass Glass \$43.20  
 Upper Glass Glass \$43.20  
 Performance \$68.64  
 Extension Jamb \$78.54

\*\*\* Glass \*\*\*

Glass H-K LoE 366 Insulated Thermo Plus  
 Glass Spacer Standard Stainless Steel  
 High Altitude No  
 Glass Preserve / Neat Coating No Preserve or Neat Coating  
 Glazing Bead Beveled  
 Glass Type Clear  
 NOT Tempered

\*\*\* Lite Divisions \*\*\*

Lite Divisions Performance Divided Lites  
 Grid Pattern Colonial  
 Bar Size 1 3/4"  
 Internal Spacers Champagne  
 Lites Wide by Lites High 3W2H

\*\*\* Notes \*\*\*

Manufacturer Note: Opening(s) designated by a circled 'E' meet most national building codes for emergency escape and rescue requirements. Check your local codes for product compliance for your application.

\*\*\* Hardware-Accessories \*\*\*

Hardware Color Clay (Rustic)  
 Sash Plough Both Sash Plough  
 Sash Limit Clips None  
 Screen Full Screen  
 Mesh Type BetterVue Fiberglass  
 Screen(s) Applied No  
 Jambliner Color Beige

\*\*\* Overall Dimensions \*\*\*

Overall Frame Width 35 1/2"  
 Overall Frame Height 68 7/16"  
 Overall Rough Opening Width 36"  
 Overall Rough Opening Height 69"  
 Overall Unit Dimension Width 35 1/2"  
 Overall Unit Dimension Height 68 7/16"

\*\*\* Dimensions \*\*\*

Individual Frame Width 35 1/2"  
 Individual Frame Height 68 7/16"  
 Sash Split 0.5  
 Upper Glass Width 30"  
 Upper Glass Height 30"  
 Lower Glass Width 30"  
 Lower Glass Height 30"

\*\*\* Species-Finish-Color \*\*\*

Change Species Leave All Pine  
 Exterior Finish Type Polyester  
 Match All Exterior Colors Yes  
 Exterior Color Rustic  
 Interior Finish Unfinished

\*\*\* Miscellaneous \*\*\*

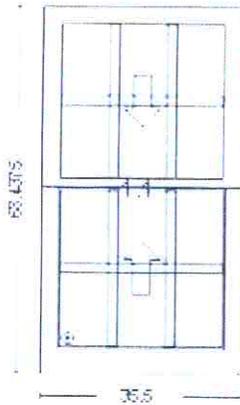
Additional Mull Group Notes No

### Window and Door Details

Line Number: 002-1  
 Label: None Assigned  
 Number of Units: 1  
 Product Name: Ultra Rectangle Double Hung

\*\*\* Casing-Jamb-Trim \*\*\*  
 Exterior Casing/Accessories: No Casing  
 Nailing Fin: Yes  
 Jamb Depth: 8"  
 Jamb Applied: Yes  
 Jamb Exact: No  
 Kerf Jamb: No  
 Stool Prep: No  
 Installation Clips: None

Outside View (Scaled To Fit)



\*\*\* Performance \*\*\*  
 Specify Desired DP Rating: No  
 Display Current DP Rating Info: No  
 Performance: High Performance

\*\*\* Unit \*\*\*  
 Call Width: 30  
 Call Height: 30  
 Unit Type: Complete Unit  
 Production: Current  
 Unit Package: No Package  
 Sash Material: Clad  
 Model: Traditional  
 Additional Unit Notes (Applied to Each Selected Unit): No

Quantity: (20)  
 Cubic Feet: 18.7  
 Unit Price: \$928.55  
 Extended Price: \$18,571.00

\*\*\* Pricing Details \*\*\*  
 Base Price: \$378.84  
 Lower Glass PDL: \$142.56  
 Upper Glass PDL: \$142.56  
 Screen: \$31.02  
 Lower Glass Glass: \$43.20  
 Upper Glass Glass: \$43.20  
 Performance: \$68.64  
 Extension Jamb: \$78.54

\*\*\* Glass \*\*\*  
 Glass: H-K LoE 366 Insulated Thermo Plus  
 Glass Spacer: Standard Stainless Steel  
 High Altitude: No  
 Glass Preserve / Neat Coating: No Preserve or Neat Coating  
 Glazing Bead: Beveled  
 Glass Type: Clear  
 NOT Tempered

\*\*\* Notes \*\*\*  
 Manufacturer Note: Opening(s) designated by a circled 'E' meet most national building codes for emergency escape and rescue requirements. Check your local codes for product compliance for your application.

\*\*\* Lite Divisions \*\*\*  
 Lite Divisions: Performance Divided Lites  
 Grid Pattern: Colonial  
 Bar Size: 1 3/4"  
 Internal Spacers: Champagne  
 Lites Wide by Lites High: 3W2H

\*\*\* Overall Dimensions \*\*\*  
 Overall Frame Width: 35 1/2"  
 Overall Frame Height: 68 7/16"  
 Overall Rough Opening Width: 36"  
 Overall Rough Opening Height: 69"  
 Overall Unit Dimension Width: 35 1/2"  
 Overall Unit Dimension Height: 68 7/16"

\*\*\* Hardware-Accessories \*\*\*  
 Hardware Color: Clay (Rustic)  
 Sash Plough: Both Sash Plough  
 Sash Limit Clips: None  
 Screen: Full Screen  
 Mesh Type: BetterVue Fiberglass  
 Screen(s) Applied: No  
 Jambliner Color: Beige

\*\*\* Dimensions \*\*\*  
 Individual Frame Width: 35 1/2"  
 Individual Frame Height: 68 7/16"  
 Sash Split: 0.5  
 Upper Glass Width: 30"  
 Upper Glass Height: 30"  
 Lower Glass Width: 30"  
 Lower Glass Height: 30"

\*\*\* Species-Finish-Color \*\*\*  
 Change Species: Leave All Pine  
 Fingerjoints: Standard Fingerjoints  
 Exterior Finish Type: 70% Fluoropolymer  
 Match All Exterior Colors: Yes  
 Exterior Color: Rustic

## Window and Door Details

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Interior Finish

Unfinished

\*\*\* Miscellaneous \*\*\*

Additional Mull Group Notes

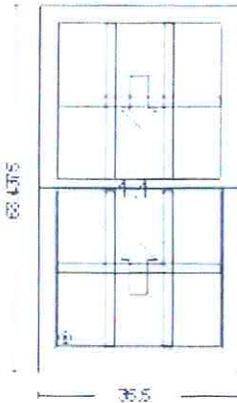
No



### Window and Door Details

Line Number	003-1	Upper Glass Height	30"
Label	None Assigned	Lower Glass Width	30"
Number of Units	1	Lower Glass Height	30"
Product Name	Heritage Rectangle Double Hung		

Outside View (Scaled To Fit)



*** Casing-Jamb-Trim ***	
Exterior Casing/Accessories	No Casing
Sill Nosing	Standard Sill Nosing
Extended Horns	No
Apply Exterior Casing/Accessories	Yes
Jamb Depth	8"
Jamb Applied	Yes
Jamb Exact	No
Kerb Jamb	No
Stool Prep	No
Installation Clips	10 1/16" Clips
*** Performance ***	
Specify Desired DP Rating	No
Display Current DP Rating Info.	No
Performance	High Performance

Quantity	(20)
Cubic Feet	18.7
Unit Price	\$971.19
Extended Price	\$19,423.80
*** Pricing Details ***	
Base Price	\$282.48
Lower Glass PDL	\$142.56
Upper Glass PDL	\$142.56
Screen	\$31.02
Lower Glass Glass	\$43.20
Upper Glass Glass	\$43.20
Exterior Finish	\$137.28
Performance	\$68.64
Extension Jamb	\$78.54
No Casing	-\$9.50
Installation Clips	\$11.22

*** Unit ***	
Call Width	30
Call Height	30
Unit Type	Complete Unit
Production	Current
Sash Material	Wood
Model	Traditional
Clad Profile	No
Additional Unit Notes (Applied to Each Selected Unit)	No
*** Glass ***	
Glass	H-K LoE 366 Insulated Thermo Plus
Glass Spacer	Standard Stainless Steel
High Altitude	No
Glass Preserve / Neat Coating	No Preserve or Neat Coating
Glazing Bead	Beveled
Glass Type	Clear
NOT Tempered	

Manufacturer Note: Opening(s) designated by a circled 'E' meet most national building codes for emergency escape and rescue requirements. Check your local codes for product compliance for your application.

*** Notes ***	
*** Overall Dimensions ***	
Overall Frame Width	35 1/2"
Overall Frame Height	68 7/16"
Overall Rough Opening Width	36"
Overall Rough Opening Height	69"
Overall Unit Dimension Width	35 1/2"
Overall Unit Dimension Height	68 15/16"
*** Dimensions ***	
Individual Frame Width	35 1/2"
Individual Frame Height	68 7/16"
Sash Split	0.5
Upper Glass Width	30"

*** Lite Divisions ***	
Lite Divisions	Performance Divided Lites
Grid Pattern	Colonial
Bar Size	1 3/4"
Internal Spacers	Champagne
Lites Wide by Lites High	3W2H
*** Hardware-Accessories ***	
Hardware Color	Clay (Rustic)
Sash Plough	Both Sash Plough
Sash Limit Clips	None
Screen	Full Screen
Mesh Type	BetterVue Fiberglass
Screen(s) Applied	No
Jambliner Color	Beige

## Window and Door Details

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\*\*\* Species-Finish-Color \*\*\*

Change Species	Leave All Pine
Fingerjoints	Standard Fingerjoints
Exterior Finish Type	K-Kron2
Match All Exterior Colors	Yes
Exterior Color	Rustic
Interior Finish	Unfinished

\*\*\* Miscellaneous \*\*\*

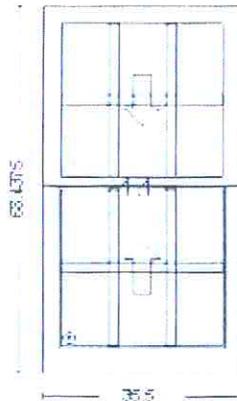
Additional Mull Group Notes	No
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### Window and Door Details

Line Number	004-1	Lower Glass Width	30"
Label	None Assigned	Lower Glass Height	30"
Number of Units	1	*** Casing-Jamb-Trim ***	
Product Name	Heritage Rectangle Double Hung	Exterior Casing/Accessories	No Casing

Outside View (Scaled To Fit)



Sill Nosing	Standard Sill Nosing
Extended Horns	No
Apply Exterior Casing/Accessories	Yes
Jamb Depth	8"
Jamb Applied	Yes
Jamb Exact	No
Kerf Jamb	No
Stool Prep	No
Installation Clips	10 1/16" Clips
*** Performance ***	
Specify Desired DP Rating	No
Display Current DP Rating Info.	No
Performance	High Performance

Quantity	(20)
Cubic Feet	18.7
Unit Price	\$833.91
Extended Price	\$16,678.20

\*\*\* Pricing Details \*\*\*

Base Price	\$282.48
Lower Glass PDL	\$142.56
Upper Glass PDL	\$142.56
Screen	\$31.02
Lower Glass Glass	\$43.20
Upper Glass Glass	\$43.20
Performance	\$68.64
Extension Jamb	\$78.54
No Casing	-\$9.50
Installation Clips	\$11.22

\*\*\* Notes \*\*\*

Manufacturer Note: Opening(s) designated by a circled 'E' meet most national building codes for emergency escape and rescue requirements. Check your local codes for product compliance for your application.

\*\*\* Overall Dimensions \*\*\*

Overall Frame Width	35 1/2"
Overall Frame Height	68 7/16"
Overall Rough Opening Width	36"
Overall Rough Opening Height	69"
Overall Unit Dimension Width	35 1/2"
Overall Unit Dimension Height	68 15/16"

\*\*\* Dimensions \*\*\*

Individual Frame Width	35 1/2"
Individual Frame Height	68 7/16"
Sash Split	0.5
Upper Glass Width	30"
Upper Glass Height	30"

Call Width	30
Call Height	30
Unit Type	Complete Unit
Production	Current
Sash Material	Wood
Model	Traditional
Clad Profile	No
Additional Unit Notes (Applied to Each Selected Unit)	No
*** Glass ***	
Glass	H-K LoE 366 Insulated Thermo Plus
Glass Spacer	Standard Stainless Steel
High Altitude	No
Glass Preserve / Neat Coating	No Preserve or Neat Coating
Glazing Bead	Beveled
Glass Type	Clear
NOT Tempered	

\*\*\* Lite Divisions \*\*\*

Lite Divisions	Performance Divided Lites
Grid Pattern	Colonial
Bar Size	1 3/4"
Internal Spacers	Champagne
Lites Wide by Lites High	3W2H

\*\*\* Hardware-Accessories \*\*\*

Hardware Color	Clay (Rustic)
Sash Plough	Both Sash Plough
Sash Limit Clips	None
Screen	Full Screen
Mesh Type	BetterVue Fiberglass
Screen(s) Applied	No
Jambliner Color	Beige

\*\*\* Species-Finish-Color \*\*\*

Change Species	Leave All Pine
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### Window and Door Details

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Fingerjoints	Standard Fingerjoints
Exterior Finish Type	Primed Latex
Interior Finish	Unfinished
Screen Color	White
	*** Miscellaneous ***
Additional Mull Group Notes	No



PLANNING AND ZONING  
COMMUNITY DEVELOPMENT  
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FAX 231.723-1546  
www.ci.manistee.mi.us

## MEMORANDUM

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TO: Historic District Commissioners

FROM: Denise Blakeslee 

DATE: August 25, 2010

RE: Specification Sheets - Matthews Request

Commissioners, Jim Matthews included over 100 pages of specification sheets for the proposed windows and doors for his building. In an effort to be environmentally friendly I have copied the pages that I felt had the most importance. If you want to review any additional information before the meeting please call me, otherwise it will be available at the meeting..

djb

# DOUBLE-HUNG: TRADITION PLUS WOOD—CLAD WOOD

## QUICK SPEC GUIDE

SPECIFICATION	STANDARD FEATURES	OPTIONAL FEATURES <i>Some options may require additional lead times. Consult your JELD-WEN Sales Representative.</i>
<b>EXTERIOR FINISH</b>	<ul style="list-style-type: none"> <li>S Brilliant White</li> <li>S Chestnut Bronze</li> <li>S Desert Sand</li> <li>S French Vanilla</li> <li>S Mesa Red</li> <li>S Hartford Green</li> <li>S Black</li> <li>S Artic Silver</li> <li>S Dark Chocolate</li> </ul>	
<b>INTERIOR FINISH</b>	<ul style="list-style-type: none"> <li>S Natural</li> </ul>	<ul style="list-style-type: none"> <li>S Primed or Painted White Finish</li> <li>S Stain - Fruitwood and Cider</li> </ul>
<b>SIZE</b>	<ul style="list-style-type: none"> <li>S Width: Double-Hung: 21-3/8, 25-3/8, 29-3/8, 33-3/8, 37-3/8, 41-3/8, 45-3/8 Transom: Same as DH &amp; 42-3/4, 49-3/8, 50-3/4, 53-3/8, 58-3/4, 61-3/8, 66-3/4, 73-3/8, 74-3/4 Fixed: Same as DH &amp; 17-3/8, 49-3/8, 53-3/8, 61-3/8, 73-3/8</li> <li>S Height: Double-Hung: 36, 40, 48, 52, 56, 60, 64, 68**, 72, 76, 80, 88 Transom: 15, 18, 24, 36 Fixed: 48, 52, 56, 60, 64, 68, 72, 76, 80</li> </ul> <p>**Available in standard or cottage sash</p>	<ul style="list-style-type: none"> <li>S Any Width: 17-3/8 to 45-3/8 in 1/8" increments</li> <li>Any Width: 17-3/8 to 73-3/8 in 1/8" increments</li> <li>Any Width: 17-3/8 to 73-3/8 in 1/8" increments</li> <li>S Any Height: 32 to 88 in 1/8" increments</li> <li>Any Height: 15 to 88 in 1/8" increments</li> <li>Any Height: 15 to 88 in 1/8" increments</li> </ul>
<b>GLAZING</b>	<ul style="list-style-type: none"> <li>S Low-E Insulating Glass</li> <li>S Preserve® Protective Film</li> </ul>	<ul style="list-style-type: none"> <li>S Clear</li> <li>S Obscure</li> <li>S Low-E 366</li> <li>S Neat Glass</li> <li>S Dual Low-E</li> <li>S Tints: Bronze, Gray, Green</li> <li>S Reflective Tints: Bronze, Gray</li> <li>S Tempered</li> </ul>
		<ul style="list-style-type: none"> <li>S High Altitude</li> </ul>
<b>HARDWARE</b>	<ul style="list-style-type: none"> <li>S Cam Lock - 2 Locks on 3-0 and wider</li> <li>S Tilt Latches</li> </ul>	<ul style="list-style-type: none"> <li>S No Finger Pull</li> </ul>
<b>HARDWARE COLOR</b>	<ul style="list-style-type: none"> <li>S Chestnut Bronze</li> <li>S White</li> <li>S Desert Sand</li> </ul>	<ul style="list-style-type: none"> <li>S Polished Brass</li> <li>S Antique Brass</li> <li>S Brushed Chrome</li> <li>S Oil-Rubbed Bronze</li> </ul>
<b>SCREENS</b>	<ul style="list-style-type: none"> <li>S BetterVue™</li> </ul>	<ul style="list-style-type: none"> <li>S Aluminum Mesh</li> <li>S Fiberglass</li> </ul>
<b>SCREEN FRAME COLOR</b>	<ul style="list-style-type: none"> <li>S Color Match Clad</li> </ul>	
<b>GRILLES</b>		<ul style="list-style-type: none"> <li>S 7/8", 1-1/8" and 1-3/8" Removable Interior Grilles</li> <li>S 7/8", 1-1/8" and 1-3/8" Removable Full-Surround</li> <li>S 7/8" Removable Interior Vinyl Grille</li> <li>S 5/8" Flat; 22/32" and 1" Profiled GBG</li> <li>7/8", 1-1/8", 1-3/8" and 2-1/8" SDL options:</li> <li>S 7/8", 1-1/8", 1-3/8" SDL with Removable Interior Full-Surround Wood Grille</li> <li>S 7/8", 1-1/8", 1-3/8" SDL with Permanently Applied Interior Wood Grille &amp; Silver Shadow Bar</li> <li>S 2-1/8" Simulated Checkrail</li> </ul>
<b>EXTERIOR TRIMS</b>	<ul style="list-style-type: none"> <li>S Integral Nailing Fin</li> </ul>	<ul style="list-style-type: none"> <li>S No Nail Fin</li> <li>S Aluminum Brickmould</li> <li>S Aluminum Adams or Flat Casing</li> </ul>
<b>JAMB</b>	<ul style="list-style-type: none"> <li>S 4-9/16"</li> </ul>	<ul style="list-style-type: none"> <li>S Minimum: 4-9/16"</li> <li>S Maximum: 9-1/4" one piece</li> <li>S Maximum: 10-9/16" two piece</li> </ul>

Note: All measurements are in inches.

# CLAD ULTIMATE DOUBLE HUNG

## UNIT FEATURES

### Frame:

- Interior: Standard is Pine Wood, optional Douglas Fir. Species available are Mahogany, Cedro Macho, Vertical Grain Douglas Fir, Cherry, and White Oak.
- Exterior: Extruded aluminum, .050" (1.3) thick
- Frame thickness: 1 1/16" (17) thick at the head, 1 3/32" (28) thick composite jambs, and 1 7/16" (37) thick at the sill
- Frame width: 4 9/16" (116)

### Sash:

- Interior: Standard is Pine Wood, optional Douglas Fir. Species available are Mahogany, Cedro Macho, Vertical Grain Douglas Fir, Cherry, and White Oak.
- Exterior: Extruded aluminum, .050" (1.3) thick
- Composite sash thickness: 1 9/16" (40)
- Transom and Picture unit sash thickness: 1 7/8" (48)
- Operating sash are removable for cleaning

### Interior and exterior finish:

- Interior finish: treated bare wood or white primed (pine only)
- Exterior finish: Two coat finish system using Kynar® or Hylar® resins, meets or exceeds AAMA 2605 requirements.
- Standard Color: Stone White, Bahama Brown, Bronze, Pebble Gray, Evergreen. Select Color: Sierra White, Coconut Cream, French Vanilla, Cashmere, Desert Beige, Cumulus Gray, Cadet Gray, Ebony, Arctic White, Cascade Blue, Cobalt Blue, Hampton Sage, Sherwood Green and Wineberry. Contact your Marvin representative for details on custom colors.

### Operating Hardware:

- Sash lock and keeper: Surface mounted, open style crescent cam lock with sash release lever. Color: Satin Taupe. Optional: White, Brass, Satin Chrome, Polished Chrome, Antique Brass, Bronze, Oil Rubbed Bronze, Satin Nickel
- Sash lift is optional: Color: Satin Taupe. Optional: White, Brass, Satin Chrome, Antique Brass, Bronze, Oil Rubbed Bronze, Satin Nickel
- Sash tilt lever: Satin Taupe lever for sash removal. Optional: White, Brass, Satin Chrome, Antique Brass, Bronze, Oil Rubbed Bronze, Satin Nickel.
- Balance system: Block and tackle balance system

### Weather Stripping:

- Operating units: Continuous leaf weather strip at head jamb; dual bulb at check rail, weather strip and bottom rail. Color: Beige
- Picture units: Continuous weather strip at perimeter; leaf and bulb weather strip at jamb, bulb weather strip at head and sill

### Jamb Extensions:

- Jamb extensions available for various wall thickness factory applied, finish to match interior

### Insect Screens:

- Aluminum screen: Full screen standard, half screen optional. Standard Color: Stone White, Bahama Brown, Bronze, Pebble Gray, Evergreen. Select Color: Sierra White, Coconut Cream, French Vanilla, Cashmere, Desert Beige, Cumulus Gray, Cadet Gray, Ebony, Arctic White, Cascade Blue, Cobalt Blue, Hampton Sage, Sherwood Green and Wineberry. Contact your Marvin representative for details on custom colors.
- Screen mesh: charcoal fiberglass, optional screen mesh: charcoal aluminum wire, black aluminum wire, bright aluminum wire, bright bronze wire
- Optional Charcoal High Transparency screen mesh (CH Hi-Tran) fiberglass.

### Combination Storm Sash and Screen:

- Frame: Extruded aluminum frame, .045" (1.1) thick. Color: Stone White, Bahama Brown, Bronze, Pebble Gray or Evergreen
- Storm panel: Select quality glass in and extruded aluminum frame. Color: Stone White, Bahama Brown, Bronze, Pebble Gray and Evergreen
- Insect screen: Screen mesh charcoal aluminum wire, optional screen material: charcoal fiberglass mesh, black aluminum wire, bright aluminum wire, bright bronze wire: Optional Charcoal High Transparency screen mesh (CH Hi-Tran) fiberglass.
- Weather strip: Pile weather strip between operating panels and at stiles of main frame
- Hardware: Spring loaded latches to secure storm panel

### Removable Interior Grilles:

- Bar: Pine, 3/4" (19) or 1 1/8" (29) wide bars
- Pattern: Rectangular, custom lite layouts available, contact your Marvin representative

### Interior / Exterior Simulated Divided Lite (SDL):

- Interior bar: 7/8" (22) or 1 1/8" (29) wide bars. Pine wood or Douglas fir standard, optional white oak, cherry, mahogany, cedro macho or vertical grain Douglas fir. Finish to match interior
- Extruded aluminum clad, 7/8" (22) or 1 1/8" (29) wide bars, finish to match exterior.
- Pattern: Rectangular, custom lite layouts available, contact your Marvin representative
- Installation method: Factory applied with acrylic foam tape

### Grilles-between-the-glass (GBG):

- 11/16" (17mm) white contoured aluminum bar. Optional flat aluminum spacer bar, contact your Marvin representative

### Glass and Glazing:

- Glazing method: Insulated
- Glazing seal: Silicon glazed
- Glazing type: Clear, LoE<sup>3</sup>-366™ with Argon or Low E II with argon, laminated, solar tints, tempered, obscure, bronze tint. Gray tint, and Reflective Bronze
- Glazing will be altitude adjusted for higher elevations, argon gas not included

### Accessories:

- Installation brackets: 6 3/8" (162), 9 3/8" (238), or 15 3/8" (391)
- Masonry brackets: 6" (152) or 10" (254)
- Nailing fin: Head jamb fin/drip cap, side jamb and sill fin. Head nailing fin with drip cap not designed to replace proper flashing
- Marvin SillGuard™
- Aluminum extrusions: Brick mould casing, Flat casing, various special casings, Mullion cover, Frame expander, Mullion expander, Jamb extender

### Note:

Values shown in parenthesis represent metric equivalents  
For product specifications please refer to the CSI Product Specifications, contact your Marvin representative  
2010-03-16

# CLAD ULTIMATE DOUBLE HUNG

## NFRC VALUES

NFRC Unit Values				
Glazing Type	U-Factor	Solar Heat Gain Coefficient	Visible Light Transmittance	2010 Energy Star
<b>Double Hung / Single Hung</b>				
<b>Size Tested</b>	<b>47 x 59</b>	<b>47 x 59</b>	<b>47 x 59</b>	
Insulating glass	0.47	0.56	0.58	-
Insulating glass - SDL	0.47	0.50	0.52	-
Insulating glass - SDL with spacer bars	0.47	0.50	0.52	-
Insulating Low E II glass	0.35	0.30	0.51	NC, SC,
Insulating Low E II glass - SDL	0.35	0.27	0.45	SC, S
Insulating Low E II glass - SDL with spacer bars	0.35	0.24	0.40	SC, S
Insulating Low E II glass - Argon	0.31	0.30	0.51	NC, SC
Insulating Low E II glass - Argon, SDL	0.31	0.27	0.45	NC, SC, S
Insulating Low E II glass - Argon, SDL with spacer bars	0.32	0.24	0.40	NC, SC, S
<b>Transom 3/4" IG</b>				
<b>Size Tested</b>	<b>47 x 59</b>	<b>47 x 59</b>	<b>47 x 59</b>	
Insulating glass	0.46	0.60	0.63	-
Insulating glass - SDL	0.46	0.54	0.56	-
Insulating glass - SDL with spacer bars	0.47	0.54	0.56	-
Insulating Low E II glass	0.33	0.32	0.55	-
Insulating Low E II glass - SDL	0.33	0.29	0.49	SC
Insulating Low E II glass - SDL with spacer bars	0.34	0.29	0.49	SC
Insulating Low E II glass - Argon	0.29	0.32	0.55	N, NC
Insulating Low E II glass - Argon, SDL	0.29	0.29	0.49	N, NC, SC
Insulating Low E II glass - Argon, SDL with spacer bars	0.30	0.26	0.43	N, NC, SC, S
<b>Picture 1" IG</b>				
<b>Size Tested</b>	<b>48 x 48</b>	<b>48 x 48</b>	<b>48 x 48</b>	
Insulating glass	0.45	0.56	0.60	-
Insulating glass - SDL	0.45	0.50	0.54	-
Insulating glass - SDL with spacer bars	0.45	0.50	0.54	-
Insulating Low E II glass	0.32	0.31	0.53	NC
Insulating Low E II glass - SDL	0.32	0.28	0.47	NC, SC
Insulating Low E II glass - SDL with spacer bars	0.33	0.25	0.41	SC, S
Insulating Low E II glass - Argon	0.29	0.30	0.53	N, NC, SC
Insulating Low E II glass - Argon, SDL	0.29	0.27	0.47	N, NC, SC, S
Insulating Low E II glass - Argon, SDL with spacer bars	0.30	0.24	0.41	N, NC, SC, S

**NOTE:**

Product Values are determined using the National Fenestration Rating Council (NFRC) Procedures for determining fenestration product values.

**U-Value:** (Btu/hr-sq ft-°F) Lower the U-Value, the greater the resistance to heat flow and better its insulating value.

**R-Value:** (1/U-Value) Higher the R-Value, the greater the resistance to heat flow and better its insulating value.

**Visible Light Transmittance (VLT):** Percentage of visible light transmitted through the unit.

**Solar Heat Gain Coefficient (SHGC):** The lower a window's SHGC, the less solar heat it transmits, and the greater its shading ability.

Capillary tubes are required for IG units at high elevations. Argon will not be furnished in units with capillary tubes.

Contact the Architectural Department Hotline at (800-346-3363) for additional NFRC Unit Values.

# CLAD ULTIMATE INSWING FRENCH DOOR

## UNIT FEATURES

### Frame:

- Interior: Standard is Pine Wood, optional Douglas Fir. Species available are Mahogany, Cedro Macho, Vertical Grain Douglas Fir, Cherry, and White Oak.
- Exterior: Extruded aluminum, .050" (1.3) thick
- Frame thickness: 1 1/16" (27)
- Frame width: 4 9/16" (116)
- Fiberglass reinforced pultruded sill with water shed and weep system. Thickness: .100 (2.5). Beige color, optional: bronze color. White Oak [Mahogany] [Cherry] interior sill liner.

### Panel:

- Interior: Standard is Pine Wood, optional Douglas Fir. Species available are Mahogany, Cedro Macho, Vertical Grain Douglas Fir, Cherry, and White Oak.
- Exterior: Extruded aluminum, .055" (1.4) thick
- Panel thickness: 1 3/4" (44)
- Top rail and stile width: 4 3/4" (121)
- Sidelite stile width: 3" (76)
- Bottom rail height: 8 1/8" (206)
- Locking stiles contain laminated veneer lumber (LVL) core with clear pine veneers
- Removable interior vinyl glazing bead with wood glazing cap

### Interior and exterior finish:

- Interior finish: treated bare wood. Optional: white primed (pine only)
- Exterior finish: Two coat finish system using Kynar<sup>®</sup> or Hylar<sup>®</sup> resins. Meets or exceeds AAMA 2605 requirements.
- Standard Color: Stone White, Bahama Brown, Bronze, Pebble Gray, Evergreen. Select Color: Sierra White, Coconut Cream, French Vanilla, Cashmere, Desert Beige, Cumulus Gray, Cadet Gray, Ebony, Arctic White, Cascade Blue, Cobalt Blue, Hampton Sage, Sherwood Green and Wineberry. Contact your Marvin representative for details on custom colors.

### Hardware:

- Hinges: Three adjustable hinges on 6/6 and 6/8 heights; four on 7/0 and 8/0 heights. Standard finish: Satin Taupe. Optional powdercoat finish: Gold Tone, Dark Bronze, Silver Frost, White. Optional metal finish: Brass PVD, Antique Brass, Oil Rubbed Bronze, Oil Rubbed Bronze PVD, Satin Chrome, Satin Nickel PVD. Optional Butt Hinge: Finish: Brass, Oil Rubbed Bronze, Satin Chrome, Satin Nickel and Solid Brass with Non-removable pin.
- Optional lever handle set: Active, inactive and dummy; Powdercoat finishes: Satin Taupe, White, Metal finishes: Brass PVD, Antique Brass, Oil Rubbed Bronze, Oil Rubbed Bronze PVD, Dark Bronze, Satin Chrome, Satin Nickel PVD. For additional handle styles and options contact your Marvin representative.
- Locking system - active panel: Marvin exclusive concealed multi-point with stainless steel head and foot bolts activated from lever handle, keyed. Inactive panel: manual stainless steel head and foot bolts. Optional: concealed multi-point activated from lever set.

### Weather Stripping:

- Weather Strip: Head jamb and side jamb to have two sets of bulb weather strip maintaining contact with door panels. Color beige, optional: black. Threshold to have bulb weather strip maintaining contact with bottom of panel. Color: beige, optional black. Vinyl panel drip applied to bottom rail. Color beige, optional black. Painted aluminum water shed at sill. Color beige, optional: bronze.

### Jamb Extension:

- Jamb extensions available factory applied up to 9 9/16" (243). Other sizes shipped loose. Jamb extension may affect door swing.

### Insect Screens:

- Aluminum Top Hung Sliding Screen available for many operations, with adjustable roller assembly and replaceable bottom guide. Available in Standard and Select Colors, for Custom Colors please contact your Marvin rep.
- Swinging Screen Door: Hinges: Extruded aluminum. 2 hinges per panel for doors under 90° and 3 hinges on doors over 90°. Hinge color is black and handle includes latch with exterior handle and internal locking mechanism.
- Ultimate Swinging Screen Door: Hinges factory installed to Z bar 4 per panel, color to match door finish. Handle set color options: Satin Taupe, Bronze PVD, Nickel PVD, and Brass PVD. Screen insert surround colors match panel frame. Tempered Glass Panel (Storm Insert) option available for many sizes and operating configurations. Insert colors match panel frame.
- Optional Charcoal High Transparency screen mesh (CH Hi-Tran) fiberglass.

### Clad Raised/Flat Panel Option:

- 4 3/4" (121) Intermediate Rail is constructed of finger joint, edge glued pine core, with clear bare pine veneer to the interior with extruded aluminum to the exterior.
- Clad Raised panel exterior is constructed of 1/2" (13) aluminum milled to raised panel profile
- Clad Flat panel exterior is 1/8" (3) aluminum
- Both available in standard, select, and custom colors meeting AAMA2605.05
- Interior panel surfaces are constructed of medium density fiberboard (MDF) core with wood laminated veneer; primed or bare wood. Alternative wood species interior include mahogany, cedro macho, vertical grain Douglas fir, cherry and white oak.

### Removable interior grilles:

- Bar: Pine wood 3/4" (19) or 1 1/8" (29)
- Pattern: Rectangular, custom lite layouts available. Contact your Marvin representative.

### Interior / Exterior Simulated Divided Lites (SDL):

- Interior bar: 7/8" (22) or 1 1/8" (29) wide. Pine wood or Douglas fir standard. Optional: white oak, cherry, mahogany, cedro macho, vertical grain Douglas fir. Finish to match interior panel surface
- Exterior bar: 7/8" (22) or 1 1/8" (29) wide. Extruded aluminum. Finish to match exterior panel surface
- Insulating glass units available with or without aluminum spacer in airspace
- Pattern: rectangular. Custom lite layouts available. Contact your Marvin representative

### Grilles-between-the-glass (GBG):

- 11/16" (17) white contoured aluminum bar. Optional flat aluminum bar.
- Rectangular lite layout

### Glass and Glazing:

- Door Panels: tempered insulating glass, hermetically sealed
- Transoms: In-sash and Direct Glaze Annealed insulating glass, hermetically sealed
- Glazing seal: silicone bedding, exterior
- Standard glazing: clear. Optional: LoE<sup>3</sup>-366™ with Argon or Low E II with argon gas, Bronze, Gray, Reflective Bronze, Obscure, Laminated
- High Elevation: Insulating glass will include capillary tube (argon gas not included)

### Accessories:

- Installation brackets: 6 3/8" (162), 9 3/8" (238), 15 3/8" (391)
- Masonry brackets: 6" (152), 10" (254)
- Nailing fin: Head jamb fin/drip cap, side jamb and sill fin. (not designed to replace proper flashing)
- Marvin SillGuard™
- Aluminum extrusions: Brick Mould Casing, Flat Casing, various special casings, Mullion Covers, Frame Expanders, Mullion Expanders

### NOTE:

Values shown in parenthesis represent metric equivalents.

For product specifications please refer to the CSI Product Specifications, Contact your Marvin Representative.

2010-03-16

# CLAD ULTIMATE INSWING FRENCH DOOR

## NFRC VALUES / NET CLEAR OPENING

NFRC Unit Values					
Glazing Type	U-Factor	Solar Heat Gain Coefficient	Visible Light Transmittance	Condensation Resistance	2010 Energy Star
<b>Clad Ultimate Inswing French Door Operator / Stationary</b>					
<b>Size Tested</b>	<b>39 x 79</b>	<b>39 x 79</b>	<b>39 x 79</b>	<b>39 x 79</b>	
Insulating glass	0.44	0.41	0.44	-	-
Insulating glass - SDL	0.44	0.37	0.39	-	-
Insulating glass - SDL with spacer bars	0.45	0.33	0.35	-	-
Insulating Low E II glass	0.35	0.23	0.39	-	-
Insulating Low E II glass - SDL	0.35	0.21	0.34	-	-
Insulating Low E II glass - SDL with spacer bars	0.36	0.21	0.34	-	-
Insulating Low E II glass - Argon	0.32	0.23	0.39	-	N, NC, SC, S
Insulating Low E II glass - Argon, SDL	0.32	0.21	0.34	-	N, NC, SC, S
Insulating Low E II glass - Argon, SDL with spacer bars	0.33	0.21	0.34	-	-
<b>Sidelite</b>					
<b>Size Tested</b>	<b>24 x 79</b>	<b>24 x 79</b>	<b>24 x 79</b>	<b>24 x 79</b>	
Insulating glass	0.45	0.41	0.44	-	-
Insulating glass - SDL	0.45	0.37	0.39	-	-
Insulating glass - SDL with spacer bars	0.45	0.37	0.39	-	-
Insulating Low E II glass	0.36	0.23	0.38	-	-
Insulating Low E II glass - SDL	0.36	0.21	0.34	-	-
Insulating Low E II glass - SDL with spacer bars	0.37	0.21	0.34	-	-
Insulating Low E II glass - Argon	0.33	0.23	0.38	-	-
Insulating Low E II glass - Argon, SDL	0.33	0.21	0.34	-	-
Insulating Low E II glass - Argon, SDL with spacer bars	0.33	0.21	0.34	-	-
<b>Transom</b>					
<b>Size Tested</b>	<b>47 x 59</b>	<b>47 x 59</b>	<b>47 x 59</b>	<b>47 x 59</b>	
Insulating glass	0.46	0.52	0.57	43	-
Insulating glass - SDL	0.46	0.47	0.50	43	-
Insulating glass - SDL with spacer bars	0.47	0.47	0.50	43	-
Insulating Low E II glass	0.35	0.29	0.50	54	SC
Insulating Low E II glass - SDL	0.35	0.26	0.44	54	SC, S
Insulating Low E II glass - SDL with spacer bars	0.36	0.26	0.44	54	S
Insulating Low E II glass - Argon	0.30	0.29	0.50	58	N, NC, SC
Insulating Low E II glass - Argon, SDL	0.30	0.26	0.44	58	N, NC, SC, S
Insulating Low E II glass - Argon, SDL with spacer bars	0.32	0.26	0.44	58	NC, SC, S

**NOTE:**

**U-Value:** (Btu/hr-sq ft-°F) Lower the U-Value, the greater the resistance to heat flow and better its insulating value.

**R-Value:** (1/U-Value) Higher the R-Value, the greater the resistance to heat flow and better its insulating value.

**Visible Light Transmittance (VLT):** Percentage of visible light transmitted through the unit.

**Solar Heat Gain Coefficient (SHGC):** The lower a window's SHGC, the less solar heat it transmits, and the greater its shading ability.

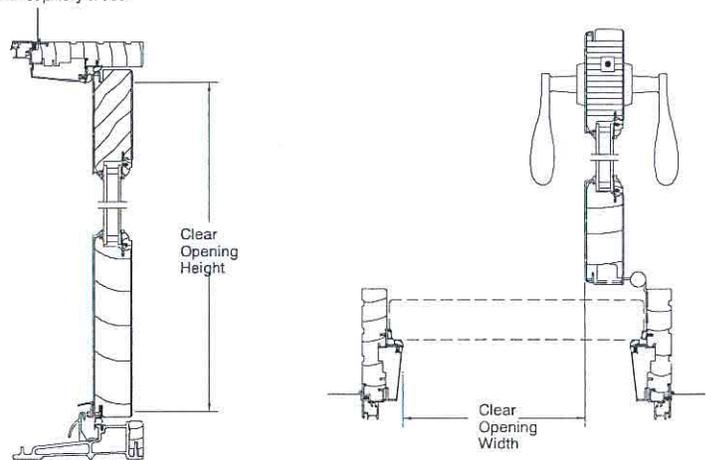
Capillary tubes are required for IG units at high elevations. Argon will not be furnished in units with capillary tubes.

Contact the Architectural Hotline at (800-346-3363) for additional NFRC Unit Values.

Net Clear Openings Ultimate Inswing French Door			
<b>Height</b>			
<b>Unit Type</b>	<b>Call Number</b>	<b>Net Clear Openings</b>	
All Configurations	6-6 Height	75 23/32"	(1923)
	6-8 Height	78 7/32"	(1987)
	7-0 Height	82 7/32"	(2088)
	8-0 Height	91 23/32"	(2330)
<b>Width</b>			
<b>Unit Type</b>	<b>Call Number</b>	<b>Net Clear Openings</b>	
2666	2666	25 3/16"	(640)
3066	3066	31 3/16"	(792)
1 Panel Operator	2-0	20"	(508)
	2-6	26"	(660)
	2-8	28"	(711)
	3-0	32"	(813)
	3-6	38"	(965)
5066	5066	51 5/8"	(1311)
6066	6066	63 5/8"	(1616)
2 Panel Operator	4-0	41 1/4"	(1048)
	5-0	53 1/4"	(1353)
	5-4	57 1/4"	(1454)
	6-0	65 1/4"	(1657)
	7-0	77 1/4"	(1962)

**NOTE:**

Figures above represent units with standard adjustable hinges.



**NOTE:**

Shown with optional handle set.

**International Building Code - 2006**

For Specific Guidelines refer to codes:

IBC 2006 Section 1008

and

IRC 2006 Section 310

Code restrictions may vary depending on your local building codes.

For further information contact your Marvin representative.

# CLAD ULTIMATE INSWING FRENCH DOOR

## NFRC VALUES

NFRC Unit Values					
Glazing Type	U-Factor	Solar Heat Gain Coefficient	Visible Light Transmittance	Condensation Resistance	2010 Energy Star
<b>Clad Ultimate Inswing French Door Operator / Stationary</b>					
<b>Size Tested</b>	<b>39 x 79</b>	<b>39 x 79</b>	<b>39 x 79</b>	<b>39 x 79</b>	
Insulating LoE <sup>3</sup> -366™ Glass	0.35	0.16	0.35	-	-
Insulating LoE <sup>3</sup> -366 Glass - Argon	0.32	0.16	0.35	-	N, NC, SC, S
Insulating LoE <sup>3</sup> -366 Glass - SDL w/Spacer Bar < 1"	0.36	0.15	0.31	-	NC, SC, S
Insulating LoE <sup>3</sup> -366 Glass - SDL w/Spacer Bar > 1"	0.36	0.13	0.27	-	-
Insulating LoE <sup>3</sup> -366 Glass - SDL w/o Spacer Bar < 1"	0.35	0.15	0.31	-	-
Insulating LoE <sup>3</sup> -366 Glass - SDL w/o Spacer Bar > 1"	0.35	0.13	0.27	-	-
Insulating LoE <sup>3</sup> -366 Glass - Argon, SDL w/Spacer Bar < 1"	0.33	.014	0.31	-	-
Insulating LoE <sup>3</sup> -366 Glass - Argon, SDL w/Spacer Bar > 1"	0.32	0.13	0.27	-	N, NC, SC, S
Insulating LoE <sup>3</sup> -366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.32	0.14	0.31	-	N, NC, SC, S
Insulating LoE <sup>3</sup> -366 Glass - Argon, SDL w/o Spacer Bar > 1"	0.32	0.13	0.27	-	N, NC, SC, S
Insulating LoE <sup>3</sup> -366 Glass - GBG	0.36	0.15	0.31	-	-
Insulating LoE <sup>3</sup> -366 Glass - Argon, GBG	0.32	0.14	0.31	-	N, NC, SC, S
<b>Sidelite</b>					
<b>Size Tested</b>	<b>24 x 79</b>	<b>24 x 79</b>	<b>24 x 79</b>	<b>24 x 79</b>	
Insulating LoE <sup>3</sup> -366™ Glass	0.35	0.16	0.35	-	-
Insulating LoE <sup>3</sup> -366 Glass - Argon	0.32	0.16	0.35	-	N, NC, SC, S
Insulating LoE <sup>3</sup> -366 Glass - SDL w/Spacer Bar < 1"	0.36	0.15	0.31	-	-
Insulating LoE <sup>3</sup> -366 Glass - SDL w/Spacer Bar > 1"	0.36	0.14	0.28	-	-
Insulating LoE <sup>3</sup> -366 Glass - SDL w/o Spacer Bar < 1"	0.35	0.15	0.31	-	-
Insulating LoE <sup>3</sup> -366 Glass - SDL w/o Spacer Bar > 1"	0.35	0.14	0.28	-	-
Insulating LoE <sup>3</sup> -366 Glass - Argon, SDL w/Spacer Bar < 1"	0.33	0.15	0.31	-	-
Insulating LoE <sup>3</sup> -366 Glass - Argon, SDL w/Spacer Bar > 1"	0.33	0.13	0.28	-	-
Insulating LoE <sup>3</sup> -366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.32	0.15	0.31	-	N, NC, SC, S
Insulating LoE <sup>3</sup> -366 Glass - Argon, SDL w/o Spacer Bar > 1"	0.32	0.13	0.28	-	N, NC, SC, S
Insulating LoE <sup>3</sup> -366 Glass - GBG	0.36	0.15	0.31	-	-
Insulating LoE <sup>3</sup> -366 Glass - Argon, GBG	0.33	0.15	0.31	-	-
<b>Transom</b>					
<b>Size Tested</b>	<b>47 x 59</b>	<b>47 x 59</b>	<b>47 x 59</b>	<b>47 x 59</b>	
Insulating LoE <sup>3</sup> -366™ Glass	0.34	0.20	0.45	54	SC, S
Insulating LoE <sup>3</sup> -366 Glass - Argon	0.30	0.20	0.45	58	N, NC, SC, S
Insulating LoE <sup>3</sup> -366 Glass - SDL w/Spacer Bar < 1"	0.35	0.18	0.40	54	SC, S
Insulating LoE <sup>3</sup> -366 Glass - SDL w/Spacer Bar > 1"	0.35	0.16	0.35	54	SC, S
Insulating LoE <sup>3</sup> -366 Glass - SDL w/o Spacer Bar < 1"	0.34	0.18	0.40	54	SC, S
Insulating LoE <sup>3</sup> -366 Glass - SDL w/o Spacer Bar > 1"	0.34	0.16	0.35	54	SC, S
Insulating LoE <sup>3</sup> -366 Glass - Argon, SDL w/Spacer Bar < 1"	0.31	0.18	0.40	58	NC, SC, S
Insulating LoE <sup>3</sup> -366 Glass - Argon, SDL w/Spacer Bar > 1"	0.31	0.16	0.35	58	NC, SC, S
Insulating LoE <sup>3</sup> -366 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.18	0.40	58	N, NC, SC, S
Insulating LoE <sup>3</sup> -366 Glass - Argon, SDL w/o Spacer Bar > 1"	0.30	0.16	0.35	58	N, NC, SC, S
Insulating LoE <sup>3</sup> -366 Glass - GBG	0.35	0.18	0.40	54	SC, S
Insulating LoE <sup>3</sup> -366 Glass - Argon, GBG	0.31	0.18	0.40	58	NC, SC, S

**NOTE:**

**U-Value:** (Btu/hr-sq ft-°F) Lower the U-Value, the greater the resistance to heat flow and better its insulating value.

**R-Value:** (1/U-Value) Higher the R-Value, the greater the resistance to heat flow and better its insulating value.

**Visible Light Transmittance (VLT):** Percentage of visible light transmitted through the unit.

**Solar Heat Gain Coefficient (SHGC):** The lower a window's SHGC, the less solar heat it transmits, and the greater its shading ability.

**Condensation Resistance (CR):** Condensation Resistance measures the ability of a product to resist the formation of condensation on the interior surface of a product. The higher the CR rating, the better that product is at resisting condensation formation.

Capillary tubes are required for IG units at high elevations. Argon will not be furnished in units with capillary tubes.

Contact the Architectural Hotline at (800-346-3363) for additional NFRC Unit Values.