

## ANN ARBOR HISTORIC DISTRICT COMMISSION

### Staff Report

**ADDRESS:** 436 S Seventh Street, Application Number HDC20-010

**DISTRICT:** Old West Side Historic District

**REPORT DATE:** February 13, 2020

**REPORT PREPARED BY:** Jill Thacher, Historic Preservation Coordinator

**REVIEW COMMITTEE DATE:** August 13, 2018

#### OWNER

**Name:** Basil Dufallo & Cathy Sanok

**Address:** 436 S Seventh  
Ann Arbor, MI 48103

**Phone:**

#### APPLICANT

Encore Custom Contracting, Inc.

18501 Grass Lake  
Manchester, MI 48158  
(734) 417-0092

**BACKGROUND:** This 2 ½ story gable-fronter features a full-width front porch with parged concrete walls and tapered square half-columns and wide wood lap siding with mitered corners. A two-story addition was built on the south side sometime after 1947.

**LOCATION:** The site is located on the west side of South Seventh Street, between West Liberty and West Madison Streets.

**APPLICATION:** The applicant seeks HDC approval to shorten the height of an original window opening by raising the sill 6", and to replace a rear window and opening with a new door and opening and a small deck.

#### APPLICABLE REGULATIONS:

##### From the Secretary of the Interior's Standards for Rehabilitation:

- (2) The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.
- (5) Distinctive materials, features, finishes, and construction techniques or examples of craftsmanship that characterize a property will be preserved.
- (9) New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.



**From the Secretary of the Interior's Guidelines for Rehabilitating Historic Buildings (other SOI Guidelines may also apply):**

**Windows**

*Not Recommended:* Changing the number, location, size, or glazing pattern of windows, through cutting new openings, blocking-in windows, and installing replacement sash which does not fit the historic window opening.

Removing or radically changing windows which are important in defining the historic character of the building so that, as a result, the character is diminished.

**Accessibility**

*Recommended:* Designing new or additional means of access that are compatible with the historic building and its setting.

**Entrances and Porches**

*Recommended:* Designing and installing additional entrances or porches when required for the new use in a manner that preserves the historic character of the buildings, i.e., limiting such alteration to non-character-defining elevations.

*Not Recommended:* Cutting new entrances on a primary elevation. Altering utilitarian or service entrances so they appear to be formal entrances by adding paneled doors, fanlights, and sidelights.

**From the Ann Arbor Historic District Design Guidelines (other Guidelines may apply):**

**Residential Porches**

*Appropriate:* Installing a new porch and entrance on secondary elevations may be appropriate if it does not diminish the building's architectural character and the design and materials are compatible with the building and the site.

**STAFF FINDINGS:**

1. The one-over-one window on the north side of the house is proposed to be shortened by raising the sill from 48" to 42". This work would accommodate a kitchen counter and sink under the window. The contractor told staff that the windows have replacement sashes. The new window would be vinyl clad one-over-one.
2. On the rear elevation, a window that is drawn as approximately 30" x 36" would be replaced by a full-lite fiberglass door, with aluminum-clad jambs, leading to a small 4' x 6' deck with three stairs down. The stairs are shown on the west side of the deck on the west elevation drawing, and the north side on the deck detail. Staff believes either location is appropriate. The deck guardrail is a simple design. This work is not visible from the public right-of-way.

3. Staff believes the replacement of a north facing window with a 6” shorter one is appropriate if the contractor is correct that the window has already had the sashes replaced. This will be addressed at the Review Committee site visit. The alteration of the rear window into a door is compatible with the existing structure, neighboring buildings, and the surrounding historic district, and meets both the Secretary of the Interior’s Standards and the *Ann Arbor Historic District Design Guidelines*.

**POSSIBLE MOTIONS:** (Note that the motion is only a suggestion. The Review Committee, consisting of staff and at least two Commissioners, will meet with the applicant on site and then make a recommendation at the meeting.)

I move that the Commission issue a certificate of appropriateness for the application at 436 South Seventh Street, a contributing property in the Old West Side Historic District, to shorten the height of an original window opening by raising the sill 6” and installing a new vinyl-clad window, and to replace a rear window and opening with a new door and opening and a small deck. The proposed work is compatible in exterior design, arrangement, texture, material and relationship to the rest of the building and the surrounding area and meets *The Secretary of the Interior’s Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings*, in particular standards 2, 5, and 9, and the guidelines for windows, accessibility, and entries and porches, as well as the *Ann Arbor Historic District Design Guidelines*, particularly as they pertain to residential porches.

**MOTION WORKSHEET:**

I move that the Commission issue a Certificate of Appropriateness for the work at 436 South Seventh Street in the Old West Side Historic District

\_\_\_\_\_ Provided the following condition(S) is (ARE) met: 1) STATE CONDITION(s)

The work is generally compatible with the size, scale, massing, and materials and meets the Secretary of the Interior’s Standards for Rehabilitation, standard(S) number(S) (*circle all that apply*): 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

**ATTACHMENTS:** application, drawings, photos.

436 S Seventh Street (July 2008 Courtesy Google Streetview)



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I move that the Commission issue a certificate of appropriateness for the application at 436 South Seventh Street, a contributing property in the Old West Side Historic District, to shorten the height of an original window opening by raising the sill 6” and installing a new vinyl-clad window, and to replace a rear window and opening with a new door and opening and a small deck. The proposed work is compatible in exterior design, arrangement, texture, material and relationship to the rest of the building and the surrounding area and meets *The Secretary of the Interior’s Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings*, in particular standards 2, 5, and 9, and the guidelines for windows, accessibility, and entries and porches, as well as the *Ann Arbor Historic District Design Guidelines*, particularly as they pertain to residential porches.

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**ATTACHMENTS:** application, drawings, photos.

436 S Seventh Street (July 2008 Courtesy Google Streetview)





Payment/charge needed.



# HISTORIC DISTRICT COMMISSION

## PLANNING AND DEVELOPMENT SERVICES

City Hall: 301 E. Huron St. Ann Arbor, MI 48104-6120  
Mailing: P.O. Box 8647, Ann Arbor, MI 48107-8647  
Phone: 734.794.6265 ext. 42608 [ithacher@a2gov.org](mailto:ithacher@a2gov.org)  
Fax: 734.994.8460

OFFICE USE ONLY	
Permit Number	HDC# 20-010
	BLDG#
DATE STAMP	
CITY OF ANN ARBOR RECEIVED	
JAN 27 2020	
PLANNING & DEVELOPMENT SERVICES	

2/7/20

APPLICATION MUST BE FILLED OUT COMPLETELY

### PROPERTY LOCATION/OWNER INFORMATION

NAME OF PROPERTY OWNER BASIL DUFALLO & CATHY SANOK		HISTORIC DISTRICT	
PROPERTY ADDRESS 436 S. SEVENTH		CITY ANN ARBOR	
ZIPCODE 48103	DAYTIME PHONE NUMBER ( ) 1476-5960	EMAIL ADDRESS	
PROPERTY OWNER'S ADDRESS (IF DIFFERENT FROM ABOVE)		CITY	STATE, ZIP

### PROPERTY OWNER'S SIGNATURE

SIGN HERE	PRINT NAME Basil Dufallo	DATE 1/25/2020
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### APPLICANT INFORMATION

NAME OF APPLICANT (IF DIFFERENT FROM ABOVE) ENCORE CUSTOM CONTRACTING, INC. Tim Rayburn			
ADDRESS OF APPLICANT 18501 GRASSLAKE			CITY MANCHESTER
STATE MI	ZIPCODE 48158	PHONE / CELL # (734) 417-0092	FAX No ( )
EMAIL ADDRESS Tbrayburn@gmail.com			

### APPLICANT'S SIGNATURE (if different from Property Owner)

SIGN HERE	PRINT NAME x Tim Rayburn	DATE 1/25/2020
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### BUILDING USE - CHECK ALL THAT APPLY

<input checked="" type="checkbox"/> SINGLE FAMILY	<input type="checkbox"/> DUPLEX	<input type="checkbox"/> RENTAL	<input type="checkbox"/> MULTIPLE FAMILY	<input type="checkbox"/> COMMERCIAL	<input type="checkbox"/> INSTITUTIONAL
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### PROPOSED WORK

Describe in detail each proposed exterior alteration, improvement and/or repair (use additional paper, if necessary).

REPLACE WINDOW ON NORTH SIDE w/ SMALLER (SHORTER) -

REMOVE 1 SMALL WINDOW ON WEST SIDE -

ADD DOOR TO WEST WALL TO ACCESS SMALL DECK TO REAR YARD.

### DESCRIBE CONDITIONS THAT JUSTIFY THE PROPOSED CHANGES:

REMODELING ORIGINAL KITCHEN - CLIENTS WANT DIRECT ACCESS TO BACK YARD. NEED TO MOVE SINK LOCATION TO NORTH WALL TO ALLOW ACCESS TO BACK YARD (WEST WALL)

For Further Assistance With Required Attachments, please visit [www.a2gov.org/hdc](http://www.a2gov.org/hdc)



# HISTORIC DISTRICT COMMISSION APPLICATION

## FEE CHART

DESCRIPTION	
<b>STAFF REVIEW FEES</b>	
Application for Staff Approval	\$35.00
Work started without approvals	Additional \$50.00
<b>HISTORIC DISTRICT COMMISSION FEES</b>	
All other proposed work not listed below	\$100.00
Work started without approvals	Additional \$250.00
<b>RESIDENTIAL – Single and 2-story Structure</b>	
Addition: single story	\$300.00
Addition: taller than single story	\$550.00
New Structure - Accessory	\$100.00
New Structure – Principal	\$850.00
Replacement of single and 2-family window(s)	\$100 + \$25/window
<b>COMMERCIAL – includes multi-family (3 or more unit) structures</b>	
Additions	\$700.00
Replacement of multi-family and commercial window (s)	\$100 + \$50/window
Replacement of commercial storefront	\$250.00
<b>DEMOLITION and RELOCATION</b>	
Demolition of a contributing structure	\$1000.0
Demolition of a non-contributing structure	\$250.00
Relocation of a contributing structure	\$750.00
Relocation of a non-contributing structure	\$250.00

### FOR COMMISSION REVIEWS:

- Application withdrawals made before public notice is published will qualify for a 50% refund of the application fee.
- Application withdrawals made after public notice is sent but before the public hearing will qualify for a 25% refund of the application fee.

## INSTRUCTIONS FOR SUBMITTING APPLICATIONS

All HDC applications must be signed by the property owner and the applicant, if different, with the exception of staff approvals, which may be signed by only the applicant.

All completed HDC applications and their attachments may be submitted to Planning and Development Services by mail, in person (paper or digital), faxed, or via email to [building@a2gov.org](mailto:building@a2gov.org).

We accept CASH, CHECK, and all major credit cards. Checks should be made payable to "City of Ann Arbor"

HDC applications that are incomplete or not submitted with the required documentation or payment will not be processed or approved.

## APPLICATION EXPIRATION

HDC applications expire three (3) years after the date of approval.

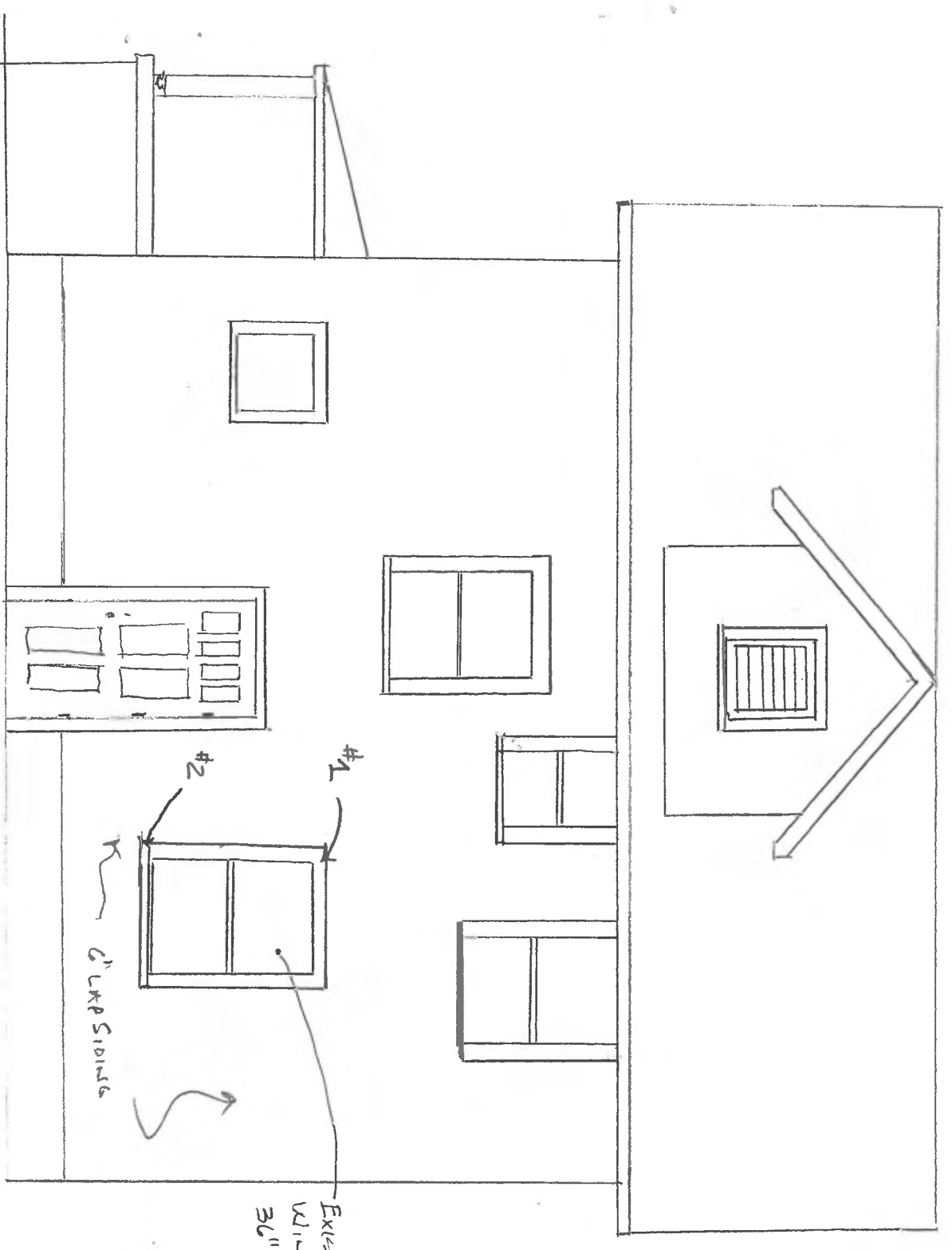
## OFFICE USE ONLY

Date of Hearing:		
Action	<input type="checkbox"/> HDC COA	<input type="checkbox"/> HDC Denial
	<input type="checkbox"/> HDC NTP	<input type="checkbox"/> Staff COA
Staff Signature		
Comments		
Fee:	\$ _____	
Payment Type	<input type="checkbox"/> Check: # _____ <input type="checkbox"/> Cash <input type="checkbox"/> Credit Card	

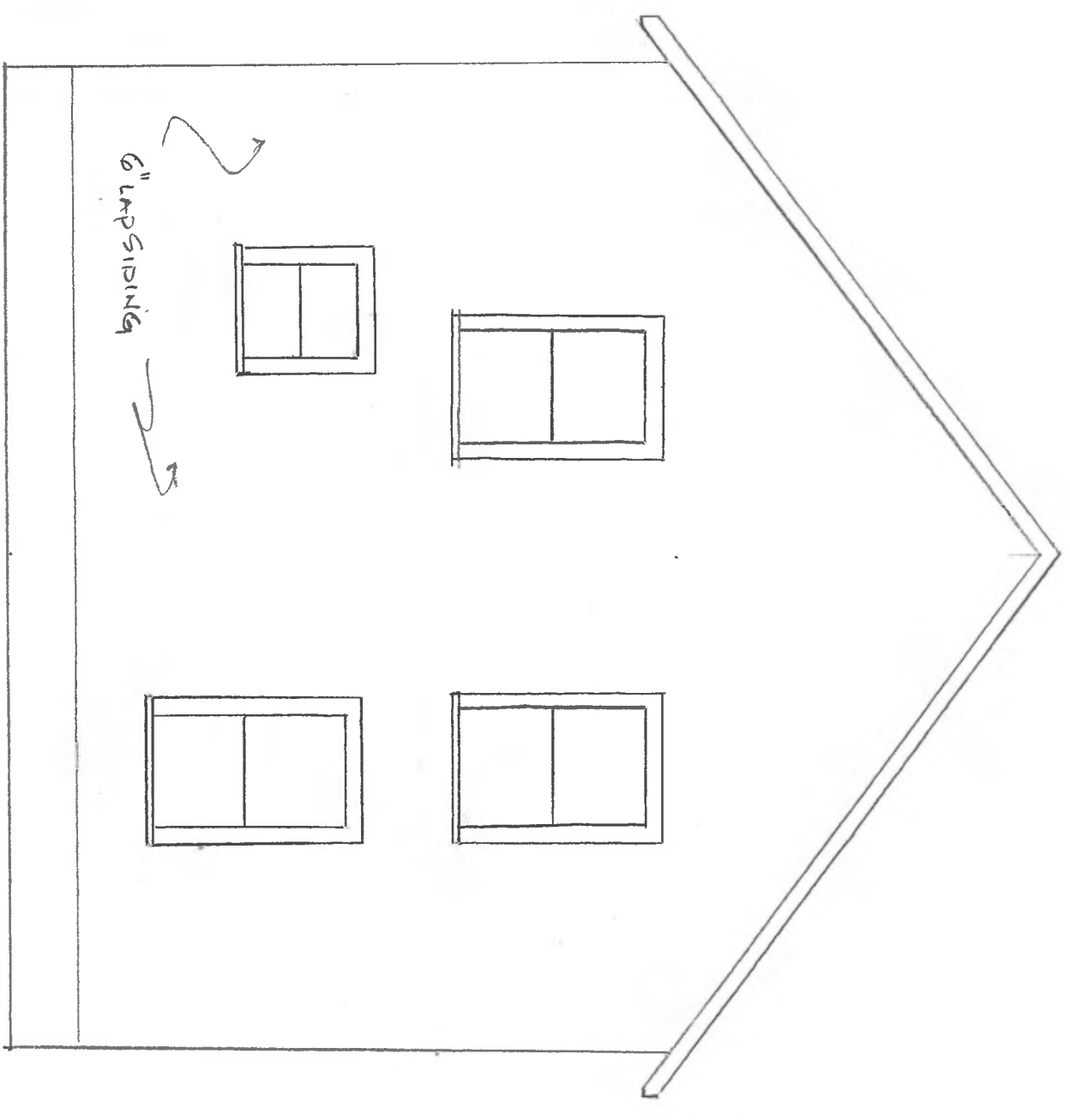


#1. EXISTING WINDOW WRAP TRIM 5" WIDE

#2. EXISTING WINDOW SILL - 1 1/2" THICK - ANGLED.

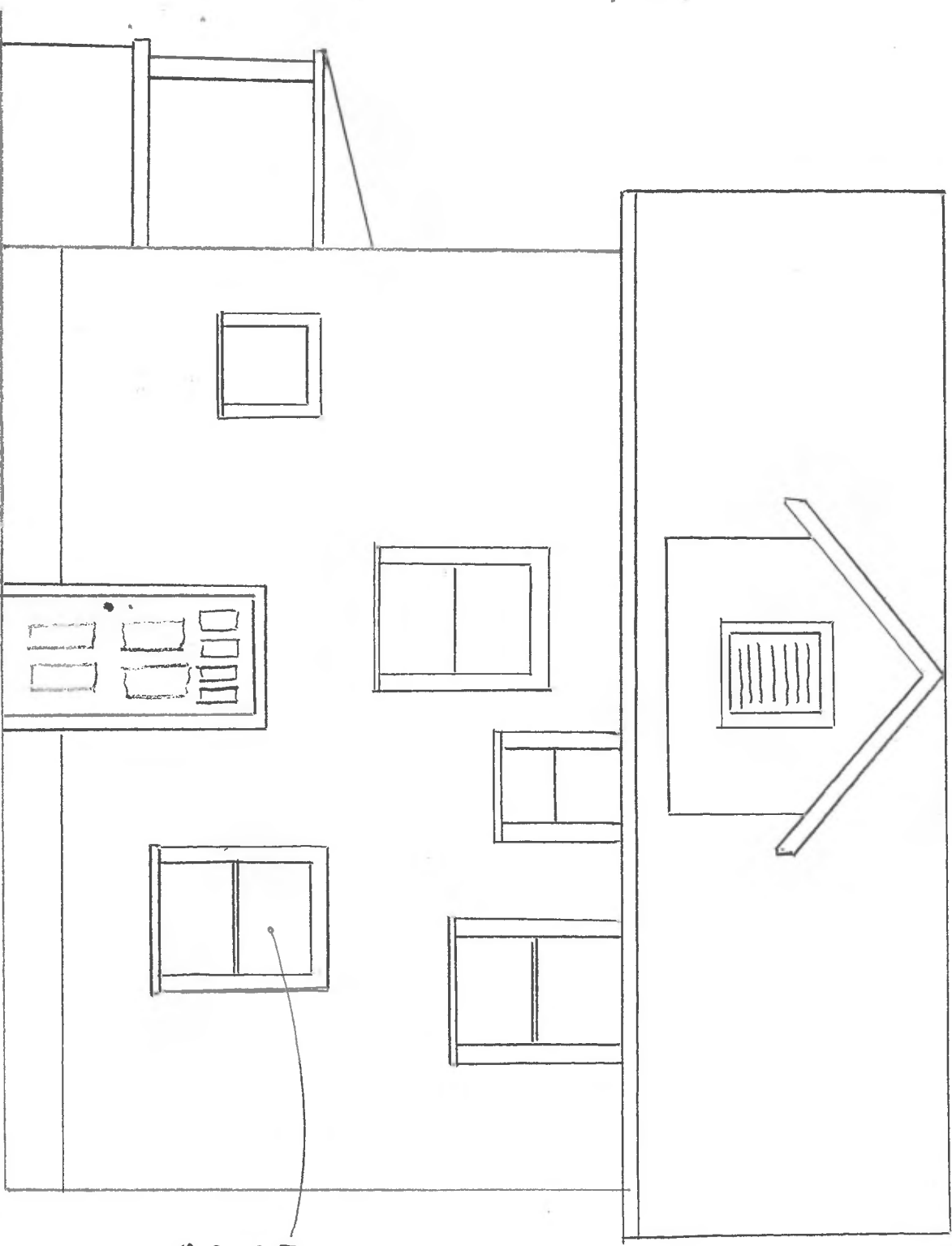


EXISTING NORTH WALL



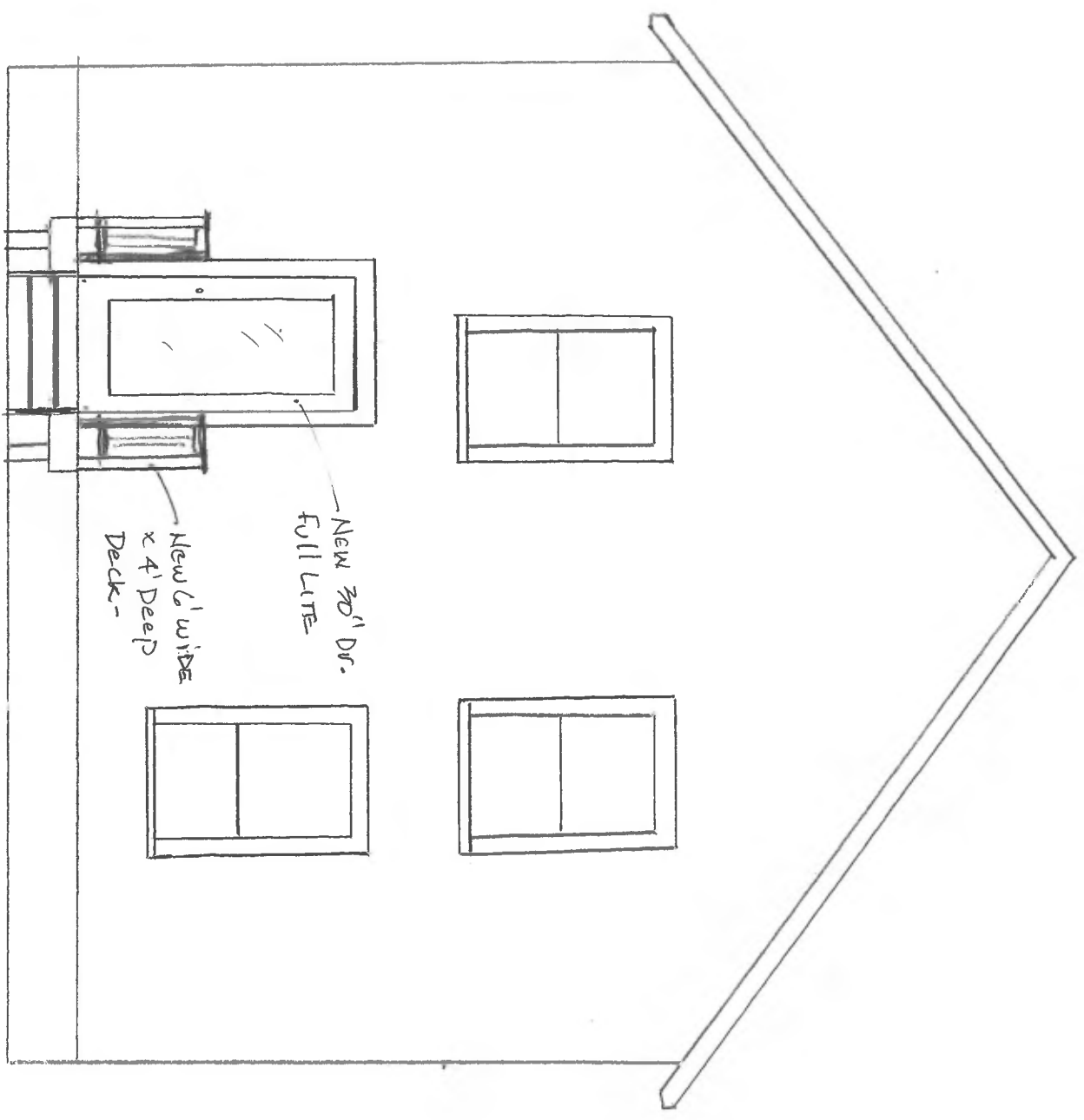
EXISTING WEST WALL

436 S. SEVENTH A<sup>2</sup>



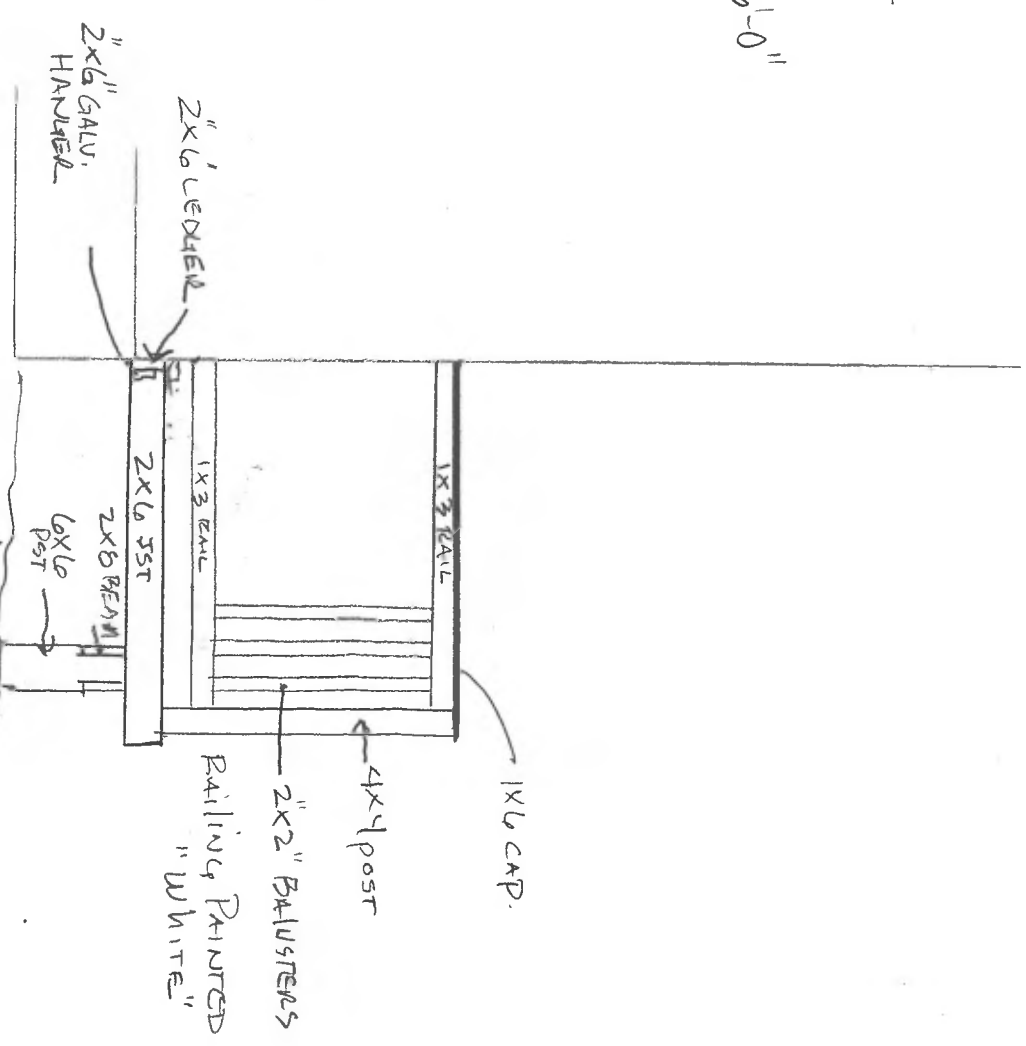
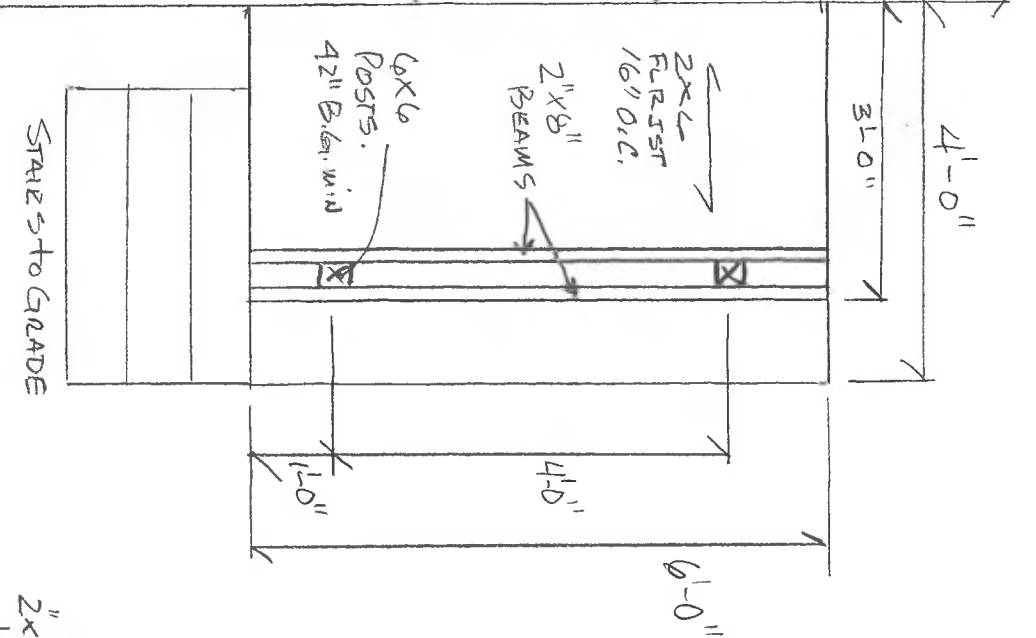
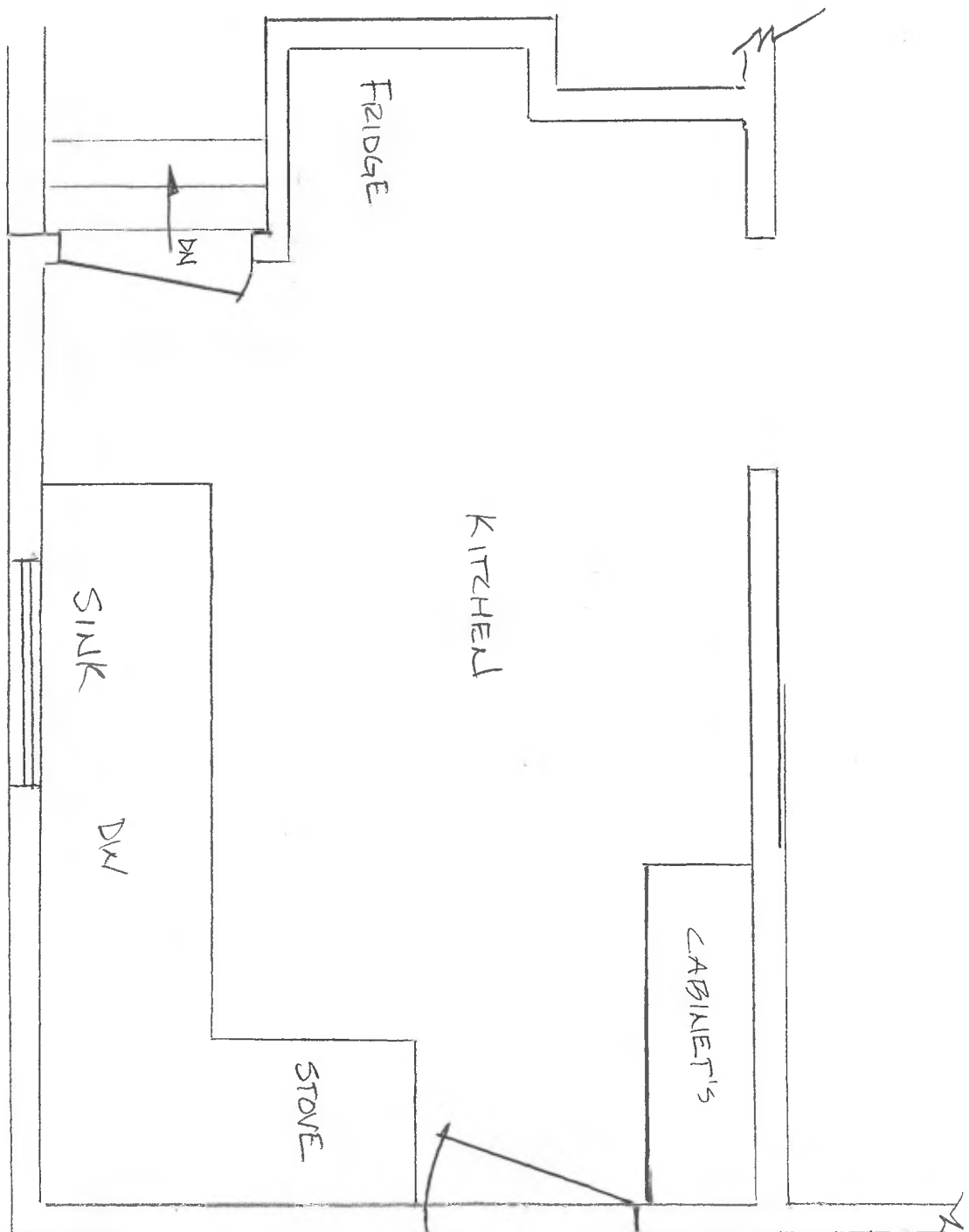
New Dbl. Hg  
W. Door -  
6" SHORTER -  
SAME WIDTH.  
36" W x 42" H

PROPOSED NORTH ELEVATION -



New 30' Dr.  
FULL LITE  
New 6' wide  
x 4' Deep  
Deck -

PROPOSED WEST ELEVATION -



Proposed Deck  
 436 S. SEVENTH - A<sup>2</sup>  
 1/2" = 1'-0"

ENCLOSURE -  
 T.M. 417-0092

Smooth-Star®



S601 ★ 2'8" x 6'8" 3'0" x 6'8"	S605 ★ ★ 2'8" x 6'8" 3'0" x 6'8"	S606 ★ ★ 2'8" x 6'8" 3'0" x 6'8"	S607 ★ ★ 2'8" x 6'8" 3'0" x 6'8"	S608 ★ ★ 2'8" x 6'8" 3'0" x 6'8"	S605SL ★ ★ 12" x 6'8" 14" x 6'8"	S6124SL ★ ★ ★ 12" x 6'8" 14" x 6'8"	S606SL ★ ★ 12" x 6'8" 14" x 6'8"	S6125SL ★ ★ ★ 12" x 6'8" 14" x 6'8"	S607SL ★ ★ 12" x 6'8" 14" x 6'8"	S6126SL ★ ★ ★ 12" x 6'8" 14" x 6'8"	S118/S118N ★ ★ ★ 2'6" x 6'8" 2'8" x 6'8" 3'0" x 6'8"
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**4-BLOCK DENTIL SHELF\***  
Option for S601, S605, S606, S607 and S608 Only



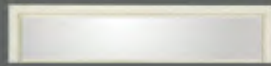
S80 2'8" x 6'8" 3'0" x 6'8"	S90 2'8" x 6'8" 3'0" x 6'8"	S206/S206N ★ ★ 2'6" x 6'8" 2'8" x 6'8" 3'0" x 6'8"	S6041 ★ 2'8" x 6'8" 3'0" x 6'8"	S6021 ★ 2'8" x 6'8" 3'0" x 6'8"	S30 ★ 2'8" x 6'8" 3'0" x 6'8"	S104 ★ ★ 2'8" x 6'8" 3'0" x 6'8"	S150 2'8" x 6'8" 3'0" x 6'8"	S289 ★ 2'8" x 6'8" 3'0" x 6'8"
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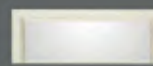
S770 2'8" x 6'8" 3'0" x 6'8"	S6080 2'8" x 6'8" 3'0" x 6'8"	S992 2'8" x 6'8" 3'0" x 6'8"	S256 2'8" x 6'8" 3'0" x 6'8"	S10 3'0" x 6'8"	S296 2'6" x 6'8" 2'8" x 6'8" 3'0" x 6'8"	S100SL ★ 12" x 6'8" 14" x 6'8"	S601SL ★ ★ ★ 12" x 6'8" 14" x 6'8"	S751SL ★ 12" x 6'8" 14" x 6'8"	S210SL ★ 12" x 6'8" 14" x 6'8"	S150SL ★ 12" x 6'8" 14" x 6'8"
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**DLHRT** ☺  
3'0" door + (2) 12" sidelites  
3'0" door + (2) 14" sidelites  
CONTINUOUS / BOXED SILL SYSTEMS



**19220T/19230T** ☺  
3'0" door + (2) 12" sidelites  
3'0" door + (2) 14" sidelites  
CONTINUOUS / BOXED SILL SYSTEMS



**19200T** ☺  
3'0" DOOR ONLY



**19210T** ☺  
12" & 14" SIDELITE ONLY

Transoms can be stained or painted to match a Fiber-Classic® or Smooth-Star® door system.

options key

- external lite dividers (ELD)
- ★ low-e glass (LE)
- vented sidelite (12" & 14" only)
- ☺ special order

features key

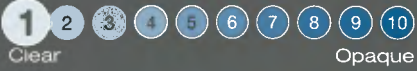
- no stile lines
- ★ 20" glass

\*Not recommended for placement behind storm doors.

Note: Colors may vary from an actual application due to fluctuations in staining or the printing process of this catalog.



**Glass Privacy Rating Scale**



**Fiber-Classic® Oak**



- FC10/FC10N** ★  
2'6" x 6'8" •  
2'8" x 6'8"  
3'0" x 6'8"
- FC32**  
2'8" x 6'8"  
3'0" x 6'8"
- FC766**  
2'8" x 6'8"  
3'0" x 6'8"
- FC62/FC62N** ★  
2'6" x 6'8" •  
2'8" x 6'8"  
3'0" x 6'8"
- FC48** ★  
2'8" x 6'8"  
3'0" x 6'8"
- FC710**  
2'8" x 6'8"  
3'0" x 6'8"
- FC160**  
2'8" x 6'8"  
3'0" x 6'8"
- FC789**  
2'8" x 6'8"  
3'0" x 6'8"



- FC803**  
2'8" x 6'8"  
3'0" x 6'8"
- FC132**  
2'8" x 6'8"  
3'0" x 6'8"
- FC61**  
2'6" x 6'8"  
2'8" x 6'8"  
3'0" x 6'8"
- FC47SL** ★  
12" x 6'8"  
14" x 6'8"
- 12101SL** ★ ● ● ●  
12" x 6'8"  
14" x 6'8"
- FC32SL**  
12" x 6'8"  
14" x 6'8"
- FC48SL** ★  
12" x 6'8"  
14" x 6'8"

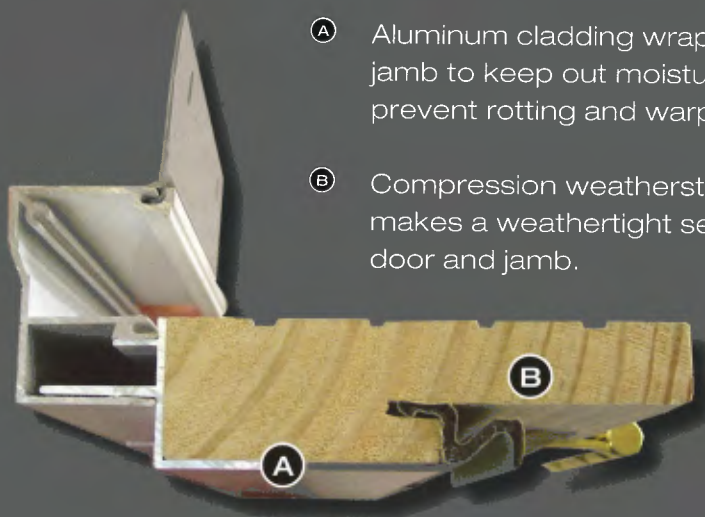


# Maintenance-Free Clad Jambs

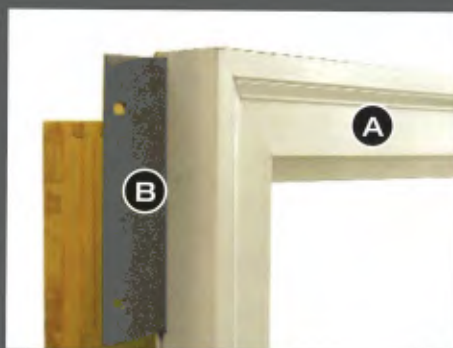
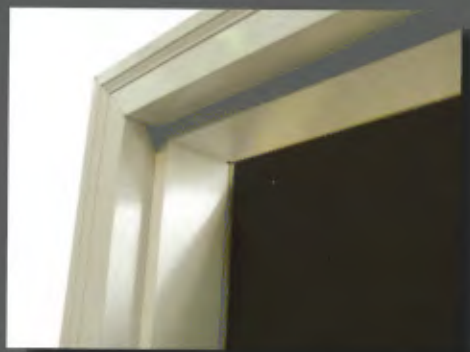


Match or accent your door with aluminum clad jambs. The maintenance-free clad finish protects wood from rot, to keep your door looking new for years.

Note: Due to the limitations in the printing process actual paint color may vary from color shown.



- Ⓐ Aluminum cladding wraps wood jamb to keep out moisture and prevent rotting and warping.
- Ⓑ Compression weatherstripping makes a weathertight seal between door and jamb.



- Ⓐ Clad Jambs available with brickmold nosing or narrow line nosing
- Ⓑ Vinyl nailing fin provides secure watertight installation.

# The Professional Remodeler Series™



When It's Time to Replace  
the Old and Welcome the  
New...

The first thing people notice about any house is the front door. Chipped, warped, out of style, the wrong style. What does your door say about you?

Now there's an easy way to improve the looks, security and energy efficiency of your home. Welcome to the Professional Remodeler Series™ of replacement doors from Perma-Door.

Choose from many door styles and dozens of beautiful glasslite inserts, from any of Perma-Door's Decorative Lite Collections. Enjoy the security that a steel door and frame can bring to your home. All the steel frames on Perma-Door replacement units surpass the most stringent forced entrance security test. And discover the energy-saving advantage of a door that seals as tight as a refrigerator with its magnetic weather-stripping and adjustable threshold.



1. Carefully remove and save interior trim.



2. Remove the old door, strike plates, hinges and threshold.



3. Insert new replacement unit into the opening from the interior of your home.



4. Nail replacement unit into position.



5. Install door hardware.



6. Install weather-stripped wood stops and replace interior trim.

## Professional Installation Ensures Satisfaction...

These beautifully designed top-quality replacement doors are prehung in a steel frame that is engineered to fit over your existing wood frame. This design allows a qualified professional remodeler to replace your old door with a minimum of mess. And Perma-Door's exclusive adjustable hinge system ensures a perfect fit every time.

# TILT-WASH DOUBLE-HUNG FULL-FRAME WINDOWS

400 Series  
Tilt-Wash Double-Hung  
Full-Frame Windows

## SECTION REFERENCE

Tables of Sizes .....	78-81
Specifications .....	79-83
Custom Sizing .....	84
Grille Patterns .....	85
Window Details .....	85-86
Joining Details .....	86
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**CUSTOM SIZING**  
in 1/8" (3) increments



Dimensions in parentheses are in millimeters.

# TILT-WASH DOUBLE-HUNG FULL-FRAME WINDOWS

400 Series  
Tilt-Wash Double-Hung  
Full-Frame Windows

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**CUSTOM SIZING**  
in 1/8" (3) increments



Dimensions in parentheses are in millimeters.

# TILT-WASH DOUBLE-HUNG FULL-FRAME WINDOWS

**Table of Tilt-Wash Double-Hung Window Sizes**

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-9 5/8"	2'-1 5/8"	2'-5 5/8"	2'-7 5/8"	2'-9 5/8"	2'-11 5/8"	3'-1 5/8"	3'-5 5/8"	3'-9 5/8"
	(549)	(651)	(752)	(803)	(854)	(905)	(956)	(1057)	(1159)
Minimum Rough Opening	1'-10 1/8"	2'-2 1/8"	2'-6 1/8"	2'-8 1/8"	2'-10 1/8"	3'-0 1/8"	3'-2 1/8"	3'-6 1/8"	3'-10 1/8"
	(562)	(664)	(765)	(816)	(867)	(917)	(968)	(1070)	(1172)
Unobstructed Glass (lower sash only)	15"	19"	23"	25"	27"	29"	31"	35"	39"
	(381)	(483)	(584)	(635)	(686)	(737)	(787)	(889)	(991)

CUSTOM HEIGHTS – 36 7/8" to 92 7/8"	CUSTOM WIDTHS – 21 5/8" to 45 5/8"								
	1'-9 5/8"	2'-1 5/8"	2'-5 5/8"	2'-7 5/8"	2'-9 5/8"	2'-11 5/8"	3'-1 5/8"	3'-5 5/8"	3'-9 5/8"
3'-0 7/8" (937)	TW18210	TW20210	TW24210	TW26210	TW28210	TW210210	TW30210	TW34210	TW38210
3'-4 7/8" (1038)	TW1832	TW2032	TW2432	TW2632	TW2832	TW21032	TW3032	TW3432	TW3832
3'-8 7/8" (1140)	TW1836	TW2036	TW2436	TW2636	TW2836	TW21036	TW3036	TW3436	TW3836
4'-0 7/8" (1241)	TW18310	TW20310	TW24310	TW26310	TW28310	TW210310	TW30310	TW34310	TW38310
4'-4 7/8" (1343)	TW1842	TW2042	TW2442	TW2642	TW2842	TW21042	TW3042	TW3442	TW3842
4'-8 7/8" (1445)	TW1846	TW2046	TW2446	TW2646	TW2846	TW21046	TW3046°	TW3446°	TW3846°
5'-0 7/8" (1546)	TW18410	TW20410	TW24410	TW26410	TW28410	TW210410°	TW30410°	TW34410°	TW38410°
5'-4 7/8" (1648)	TW1852	TW2052	TW2452	TW2652	TW2852°	TW21052°	TW3052°	TW3452°	TW3852°
5'-8 7/8" (1749)	TW1856	TW2056	TW2456	TW2656°	TW2856°	TW21056°	TW3056°	TW3456°	TW3856°
6'-0 7/8" (1851)	TW18510	TW20510	TW24510°	TW26510°	TW28510°	TW210510°	TW30510°	TW34510°	TW38510°
6'-4 7/8" (1953)	TW1862	TW2062	TW2462°	TW2662°	TW2862°	TW21062°	TW3062°	TW3462°	TW3862°

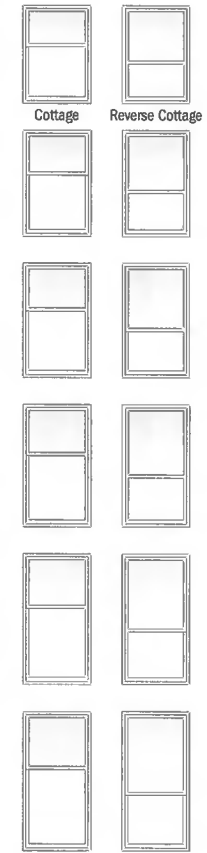


Custom-size windows are available in 1/8" (3) increments. See page 84 for custom sizing.

Grille patterns shown on page 85.

Cottage or reverse cottage sash ratio available for heights shown below in all widths.

CUSTOM WIDTHS – 21 5/8" to 45 5/8"  
CUSTOM HEIGHTS – 48 7/8" to 76 7/8"



Size tables for windows with cottage or reverse cottage sash are available at [andersenwindows.com/sizing](http://andersenwindows.com/sizing).

\* "Window Dimension" always refers to outside frame to frame dimension.  
 \* "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 210-211 for more details.  
 ° Dimensions in parentheses are in millimeters.  
 ° Meet or exceed clear opening area of 5.7 sq.ft. or 0.53 m<sup>2</sup>, clear opening width of 20" (508) and clear opening height of 24" (610). See tables on pages 82-83.

continued on next page

**StormWATCH**  
PROTECTION

400 Series tilt-wash double-hung full-frame windows are available with Stormwatch® Protection. Visit [andersenwindows.com/coastal](http://andersenwindows.com/coastal) for more details.

**Performance Grade (PG) Upgrade**

A high inside sill stop\* with exterior sill brackets and hidden interior brackets are available to provide additional structural support for tilt-wash units, allowing standard glass units to achieve higher performance grade ratings. Performance Grade (PG) Ratings are more comprehensive than Design Pressure (DP) Ratings for measuring product performance. Use of this option will subtract 5/8" (15) from clear opening height. PG Upgrade not available for 72" (1829) and 76" (1930) heights. Contact your Andersen supplier for availability. For up-to-date performance information of individual products, please visit [andersenwindows.com](http://andersenwindows.com).

**Sash Options**



Cottage

Reverse Cottage

For more information about glass, patterned glass, art glass, grilles and TruScene insect screens, see pages 12-14.

For more information about combination designs, product performance, installation instructions and accessories, see pages 181-211 or visit [andersenwindows.com](http://andersenwindows.com).

**ACCESSORIES** Sold Separately

**Frame**

**Extension Jamb**



Standard jamb depth is 4 1/2" (114). Extension jambs are available in unfinished pine or prefinished white. Some sizes may be veneered.

Factory-applied and non-applied interior extension jambs are available in 1/16" (1.5) increments between 5 1/4" (129) and 7 1/8" (181). Extension jambs can be factory applied to either three sides (stool and apron application) or four sides (picture frame casing).

**Pine Stool**



A clear pine stool is available and ready for finishing. The tilt-wash stool is available in 4 9/16" (116) for use in wall depths up to 5 1/4" (133) and 6 3/8" (167) for use in wall depths up to 7 1/8" (181). Works with 2 1/4" (57) and 2 1/2" (64) wide casings.

**Hardware**

**Window Opening Control Device**



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

**Grilles**

Grilles are available in a variety of configurations and widths. For double-hung grille patterns, see page 84.

**Security Sensors**

**VeriLock® Sensors**

VeriLock sensors are available in five colors. See page 15 for details.

**Open/Closed Sensors**

Wireless open/closed sensors are available in four colors. See page 15 for details.

**Glass**

**Andersen® Art Glass**

Available for 400 Series tilt-wash transom and picture units. Andersen art glass panels come in a variety of original patterns. See pages 173-174 for details on Andersen art glass. Visit [andersenwindows.com/artglass](http://andersenwindows.com/artglass) for details and pattern information.

**Storm/Insect Screen Combination Unit\*\***



A self-storing storm window combined with an insect screen provides greater energy efficiency, while allowing ventilation when needed.

Constructed with an aluminum frame, single-pane upper and lower glass panels and charcoal powder-coated aluminum screen mesh. Available in white, Sandtone and Terratone to match product exteriors. Canvas, forest green, dark bronze and black available by special order.

Combination units can improve Sound Transmission Class (STC) and Outdoor Indoor Transmission Class (OITC) ratings. Ideal for projects near airports, busy roadways or other noisy environments. For example, adding a combination unit to a 400 Series tilt-wash double-hung (3862) unit with Low-E4® glass will improve its STC rating from 26 to 32. Contact your Andersen supplier for additional STC and OITC rating information.

**Insect Screens**

**Insect Screen Frames**



Full and half insect screens are available for most unit sizes. Frame colors match product exteriors. Half insect screen (shown above) allows ventilation without affecting the view through the upper sash. Not available on windows with Stormwatch Protection.

**TruScene® Insect Screen**

Exclusive Andersen TruScene insect screens provide over 50% more clarity than our conventional insect screens for a beautiful unobstructed view. They allow more fresh air and sunlight in, while doing a better job of keeping out small insects.

**Conventional Insect Screen**

Conventional insect screens have charcoal powder-coated aluminum screen mesh.

**Exterior Trim**

This product is available with Andersen exterior trim. See pages 175-180 for details.

**CAUTION:**

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

\* Infringes on the overall net clear opening. Unit clear operable area may not meet egress requirements. See your local building code official for more information.

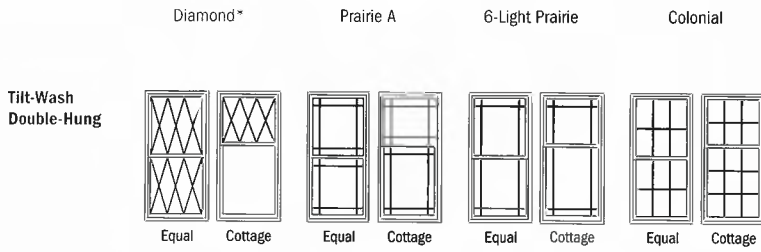
\*\* Do not add combination units to windows with Low-E4 Sun glass, unless window glass is tempered. Combination units may also reduce the overall clear operable area of the window. See your local code official for egress requirements in your area.

† Values are based on comparison of Andersen double-hung window conversion kit U-Factor to the U-Factor for clear dual-pane glass non-metal frame default values from the 2006, 2009, 2012, 2015 and 2018 International Energy Conservation Code "Glazed Fenestration" Default Tables.

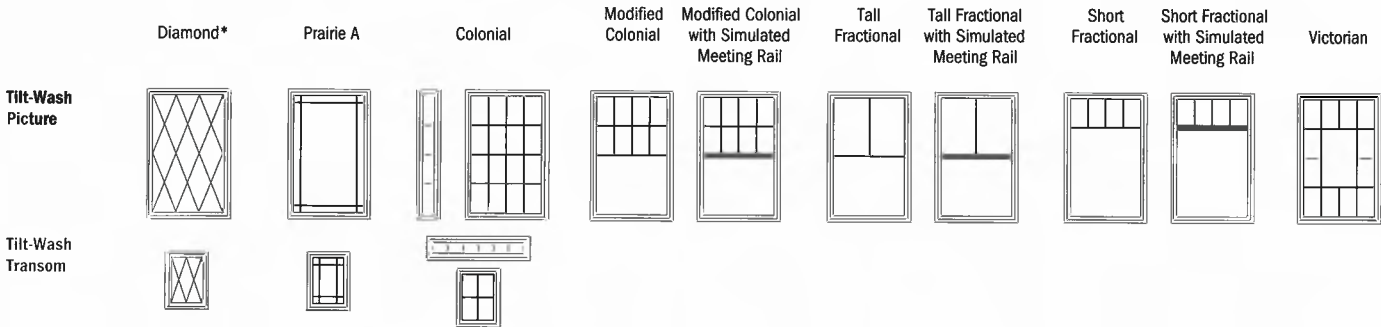
Dimensions in parentheses are in millimeters.

400 Series  
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Full-Frame Windows

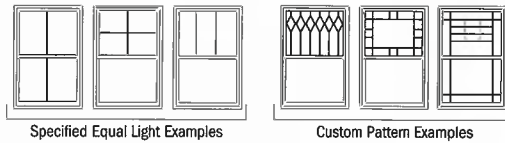
**Grille Patterns**



Patterns for double-hung windows are also available in Upper Sash Only (USO) configurations. For picture window patterns that require alignment with double-hung window patterns, identify the sash style (equal, cottage or reverse cottage) when ordering. **Number of lights and overall pattern varies with window size. Patterns are not available in all configurations.**



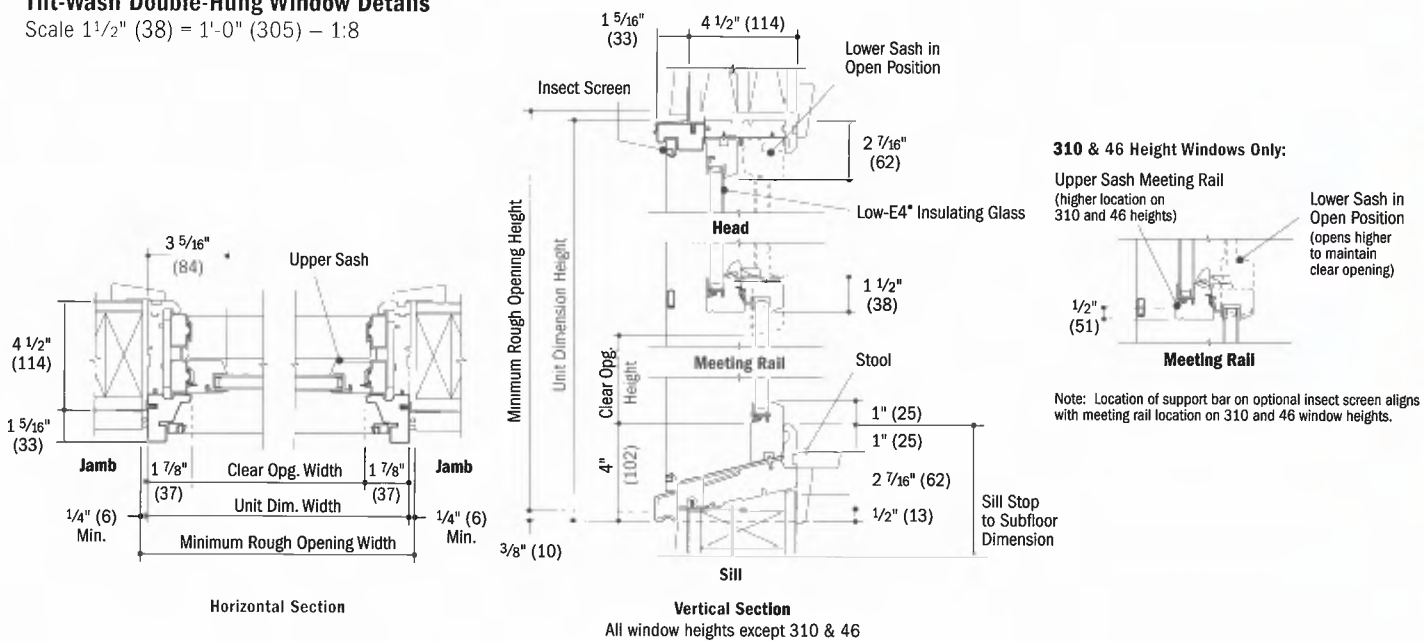
\*Available only in Simulated Divided Light (SDL) configuration and only in 3/4" (19) and 7/8" (22) widths.



Specified equal light and custom patterns are also available. For more grille options, see page 13 or visit [andersenwindows.com/grilles](http://andersenwindows.com/grilles).

**Tilt-Wash Double-Hung Window Details**

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



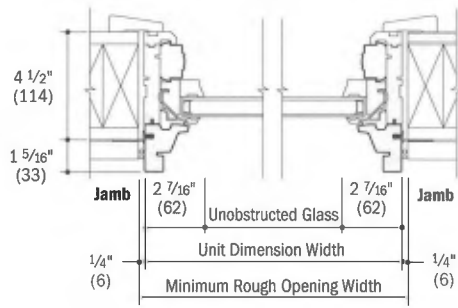
\*Light-colored areas are parts included with window. Dark-colored areas are additional Andersen\* parts required to complete window assembly as shown.  
 • **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 210-211.**  
 • Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at [andersenwindows.com](http://andersenwindows.com).  
 • Dimensions in parentheses are in millimeters.

400 Series Tilt-Wash Double-Hung Full-Frame Windows

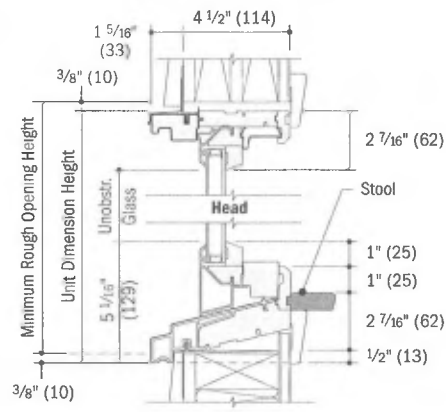
# TILT-WASH DOUBLE-HUNG FULL-FRAME WINDOWS

## Tilt-Wash Picture Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



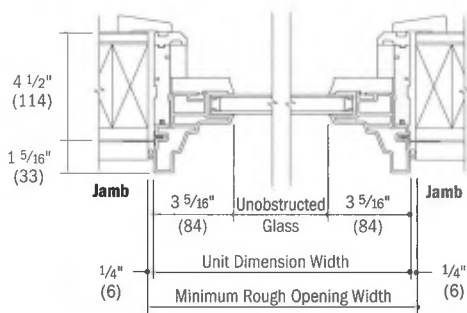
Horizontal Section



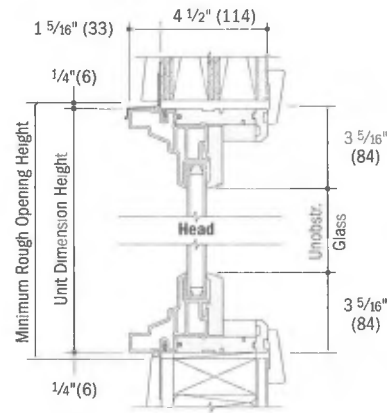
Vertical Section

## Tilt-Wash Transom Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Horizontal Section



Vertical Section

## Horizontal (stack) Joining Detail

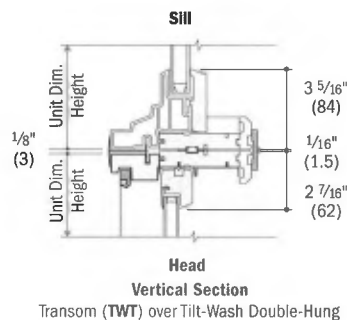
Scale 1 1/2" (38) = 1'-0" (305) – 1:8

### Overall Window Dimension Height

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

### Overall Rough Opening Height

Overall window dimension height.\*



Transom (TWT) over Tilt-Wash Double-Hung

## Vertical (ribbon) Joining Detail

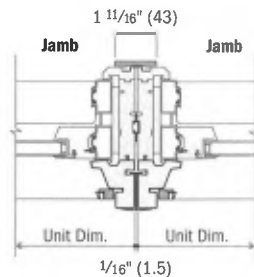
Scale 1 1/2" (38) = 1'-0" (305) – 1:8

### Overall Window Dimension Width

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

### Overall Rough Opening Width

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



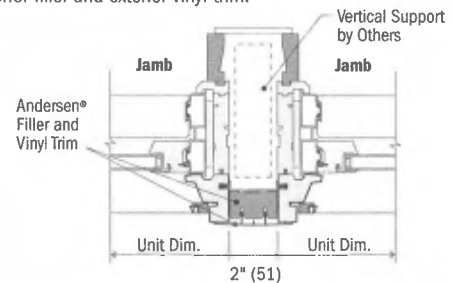
Horizontal Section

Tilt-Wash Double-Hung to Tilt-Wash Double-Hung

## Separate Rough Openings Detail

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

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



Horizontal Section

Tilt-Wash Double-Hung and Tilt-Wash Double-Hung

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