

HISTORIC AND DESIGN REVIEW COMMISSION

July 21, 2021

HDRC CASE NO: 2021-333
ADDRESS: 203 ISABEL ST
LEGAL DESCRIPTION: NCB 3978 BLK 4 LOT 19
ZONING: R-6, H
CITY COUNCIL DIST.: 3
DISTRICT: Mission Historic District
APPLICANT: Lucia Zaragoza/ZARAGOZA JOHNNY C & LUCIA
OWNER: Lucia Zaragoza/ZARAGOZA JOHNNY C & LUCIA
TYPE OF WORK: Window replacement, fenestration modifications, door removal, repair and maintenance
APPLICATION RECEIVED: June 30, 2021
60-DAY REVIEW: Not applicable due to City Council Emergency Orders
CASE MANAGER: Edward Hall
REQUEST:

The applicant is requesting a Certificate of Appropriateness for approval to:

1. Replace existing, damaged siding tiles, in-kind and paint the historic structure.
2. Repair the existing roof structure with matching shingles and perform awning repair.
3. Replace the existing, wood windows with white aluminum windows.
4. Remove the existing, street facing front door opening.

APPLICABLE CITATIONS:

Historic Design Guidelines, Chapter 2, Guidelines for Exterior Maintenance and Alterations

3. Materials: Roofs

B. ALTERATIONS (REHABILITATION, RESTORATION, AND RECONSTRUCTION)

i. Roof replacement—Consider roof replacement when more than 25-30 percent of the roof area is damaged or 25-30 percent of the roof tiles (slate, clay tile, or cement) or shingles are missing or damaged.

ii. Roof form—Preserve the original shape, line, pitch, and overhang of historic roofs when replacement is necessary.

iii. Roof features—Preserve and repair distinctive roof features such as cornices, parapets, dormers, open eaves with exposed rafters and decorative or plain rafter tails, flared eaves or decorative purlins, and brackets with shaped ends.

iv. Materials: sloped roofs—Replace roofing materials in-kind whenever possible when the roof must be replaced.

Retain and re-use historic materials when large-scale replacement of roof materials other than asphalt shingles is required (e.g., slate or clay tiles). Salvaged materials should be re-used on roof forms that are most visible from the public right-of-way. Match new roofing materials to the original materials in terms of their scale, color, texture, profile, and style, or select materials consistent with the building style, when in-kind replacement is not possible.

v. Materials: flat roofs—Allow use of contemporary roofing materials on flat or gently sloping roofs not visible from the public right-of-way.

vi. Materials: metal roofs—Use metal roofs on structures that historically had a metal roof or where a metal roof is appropriate for the style or construction period. Refer to Checklist for Metal Roofs on page 10 for desired metal roof specifications when considering a new metal roof. New metal roofs that adhere to these guidelines can be approved administratively as long as documentation can be provided that shows that the home has historically had a metal roof.

vii. Roof vents—Maintain existing historic roof vents. When deteriorated beyond repair, replace roof vents in-kind or with one similar in design and material to those historically used when in-kind replacement is not possible.

6. Architectural Features: Doors, Windows, and Screens

A. MAINTENANCE (PRESERVATION)

- i. Openings*—Preserve existing window and door openings. Avoid enlarging or diminishing to fit stock sizes or air conditioning units. Avoid filling in historic door or window openings. Avoid creating new primary entrances or window openings on the primary façade or where visible from the public right-of-way.
- ii. Doors*—Preserve historic doors including hardware, fanlights, sidelights, pilasters, and entablatures.
- iii. Windows*—Preserve historic windows. When glass is broken, the color and clarity of replacement glass should match the original historic glass.

B. ALTERATIONS (REHABILITATION, RESTORATION, AND RECONSTRUCTION)

- i. Doors*—Replace doors, hardware, fanlight, sidelights, pilasters, and entablatures in-kind when possible and when deteriorated beyond repair. When in-kind replacement is not feasible, ensure features match the size, material, and profile of the historic element.
- ii. New entrances*—Ensure that new entrances, when necessary to comply with other regulations, are compatible in size, scale, shape, proportion, material, and massing with historic entrances.
- iii. Glazed area*—Avoid installing interior floors or suspended ceilings that block the glazed area of historic windows.
- iv. Window design*—Install new windows to match the historic or existing windows in terms of size, type, configuration, material, form, appearance, and detail when original windows are deteriorated beyond repair.
- v. Muntins*—Use the exterior muntin pattern, profile, and size appropriate for the historic building when replacement windows are necessary. Do not use internal muntins sandwiched between layers of glass.

Standard Specifications for Windows in Additions and New Construction

Consistent with the Historic Design Guidelines, the following recommendations are made for windows to be used in new construction:

- **GENERAL:** Windows used in new construction should be similar in appearance to those commonly found within the district in terms of size, profile, and configuration. While no material is expressly prohibited by the Historic Design Guidelines, a high quality wood or aluminum-clad wood window product often meets the Guidelines with the stipulations listed below.
- **SIZE:** Windows should feature traditional dimensions and proportions as found within the district.
- **SASH:** Meeting rails must be no taller than 1.25". Stiles must be no wider than 2.25". Top and bottom sashes must be equal in size unless otherwise approved.
- **DEPTH:** There should be a minimum of 2" in depth between the front face of the window trim and the front face of the top window sash. This must be accomplished by recessing the window sufficiently within the opening or with the installation of additional window trim to add thickness. All windows should be supplied in a block frame and exclude nailing fins which limit the ability to sufficiently recess the windows.
- **TRIM:** Window trim must feature traditional dimensions and architecturally appropriate casing and sloped sill detail.
- **GLAZING:** Windows should feature clear glass. Low-e or reflective coatings are not recommended for replacements. The glazing should not feature faux divided lights with an interior grille. If approved to match a historic window configuration, the window should feature true, exterior muntins.
- **COLOR:** Wood windows should feature a painted finish. If a clad or non-wood product is approved, white or metallic manufacturer's color is not allowed and color selection must be presented to staff.

FINDINGS:

- a. The historic structure at 203 Isabel was constructed circa 1925 in the Craftsman style and is found on the 1927 Sanborn Map. The structure currently features a series of rear additions and non-original siding.
- b. **REPAIR & MAINTENANCE** – The applicant has proposed to replace existing, damaged asbestos siding with composite siding to match in profile and appearance, to paint the historic structure, to perform awning repair, and roof repair with matching shingles. Staff finds the in-kind repair work to be appropriate and consistent with the Guidelines.

- c. WINDOW REPLACEMENT – The applicant has proposed to replace the existing, wood windows with new, aluminum windows. The Guidelines for Exterior Maintenance and Alterations 6.A. notes that historic windows should be preserved. Per the Guidelines for Exterior Maintenance and Alterations 6.B., when beyond repair, wood windows should be replaced, in-kind. Staff finds the proposal to replace the existing wood windows with aluminum windows to be inconsistent with the Guidelines. Per the submitted photos of the existing wood windows, staff finds them to be in a repairable condition.
- d. DOOR REMOVAL – The applicant has proposed to remove the existing, street facing front door. The Guidelines for Exterior Maintenance and Alterations 6.A. note that original window and door opening should be preserved. Staff finds the proposal to remove the existing, street facing front door to be inconsistent with the Guidelines.

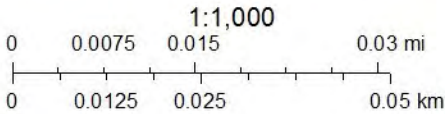
RECOMMENDATION:

- 1. Staff recommends approval of item #1, in-kind siding replacement and painting as submitted based on finding b.
- 2. Staff recommends approval of item #2, in kind roof and awning repair based on finding b with the stipulation that all roof forms remain as they exist.
- 3. Staff does not recommend approval of item #3, wood window replacement with aluminum windows. Staff recommends that the existing wood windows be repaired. Any windows that are beyond repair should be replaced, in-kind. Additional information should be submitted to OHP staff noting that windows are beyond repair.
- 4. Staff does not recommend approval of item #4, the removal of the street facing front door, based on finding d. Staff recommends the existing, original door opening be preserved as it exists.

City of San Antonio One Stop



July 12, 2021





438
E. MITCHELL

ST. MARK'S HALL

VEN. ANTONIO MARRIL HALL
ST. JOSE'S SEMINARY RC

OLD MISSION LA PURISIMA CONCEPCION
THE PROSP. CHURCH
BUILT 1731
REPL. CONC. & STONE
12' STONE BELL TOWER

3975

FELISA

LEWIS KALTEYER

ISABEL

BENITA

PALO BLANCO

WEAVER

HANSFORD

KIRKPATRICK ST

ROOSEVELT AV.

SCHOOL ST.

HANSFORD ST.

367

LORETTA ST.

AMOSA

WILKENS

SCHLEY AV.

372

MISSION RD.

ROOSEVELT AV.

371

3854

372

372

446

446

Scale 100 Ft. to One Inch

Copyright 1927 by The San Antonio Map Co.





















203









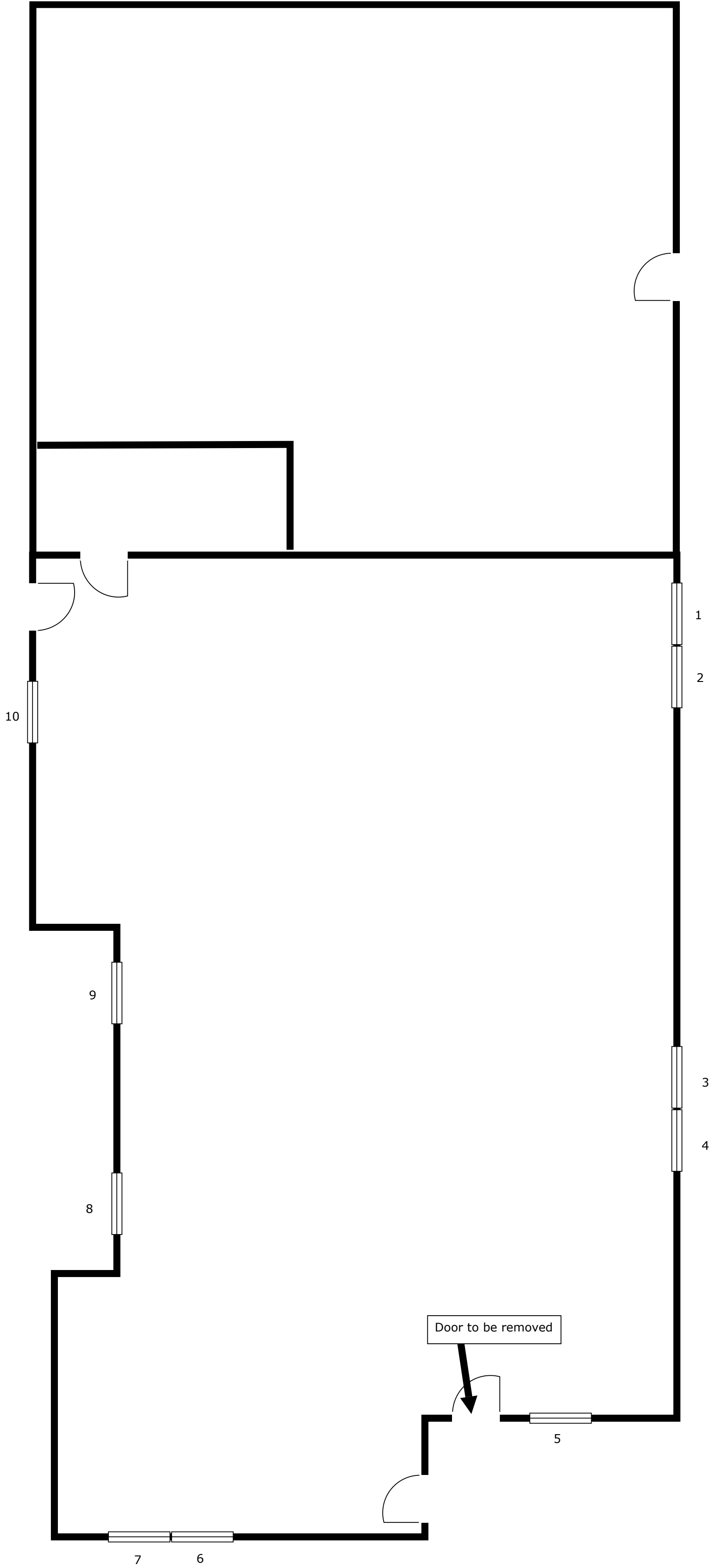


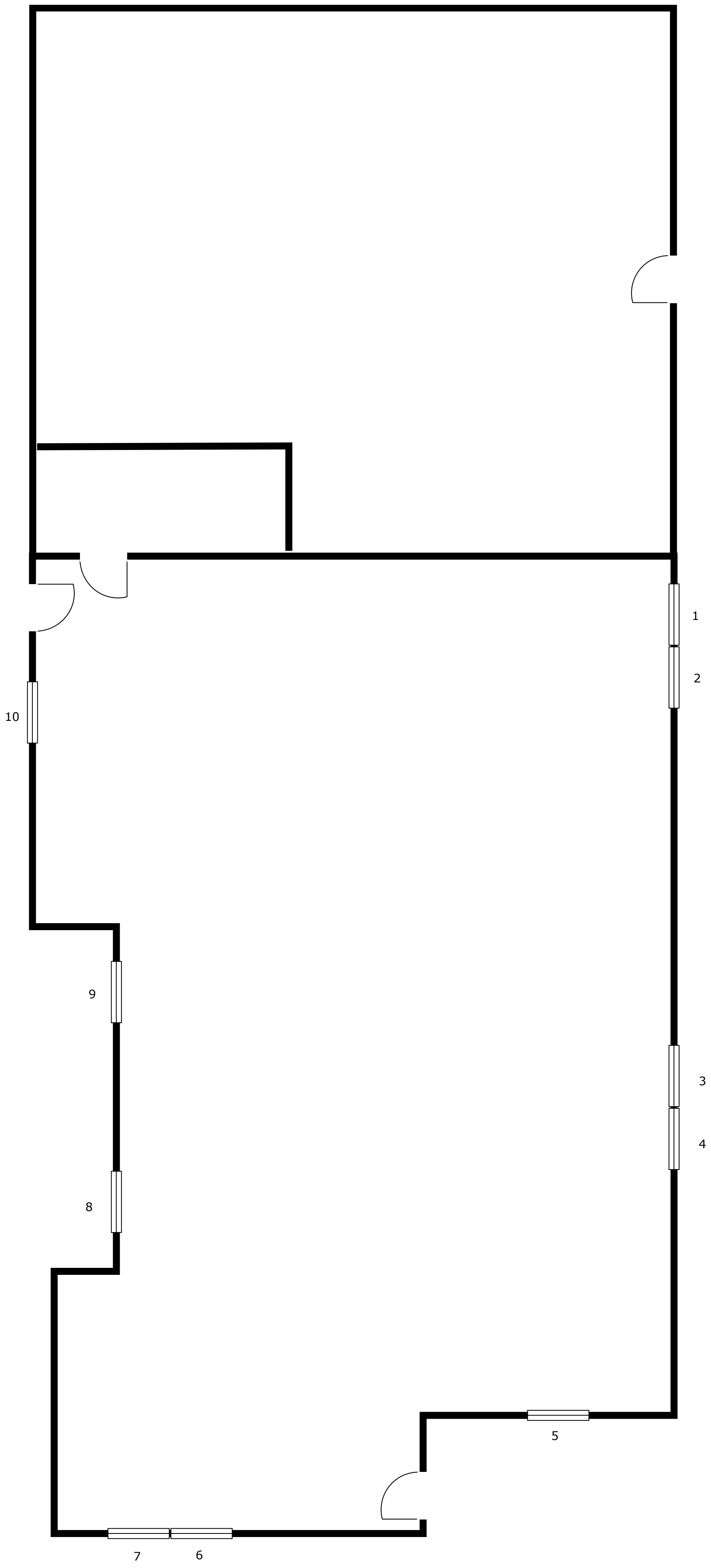
The Zaragoza Family will be refreshing the exterior of their 203 Isabel St , San Antonio TX 78210 property. Work to begin as soon as possible. Intent is to repaint and repair the exterior of the property while maintaining current color and aesthetics. The scope of work is as follows:

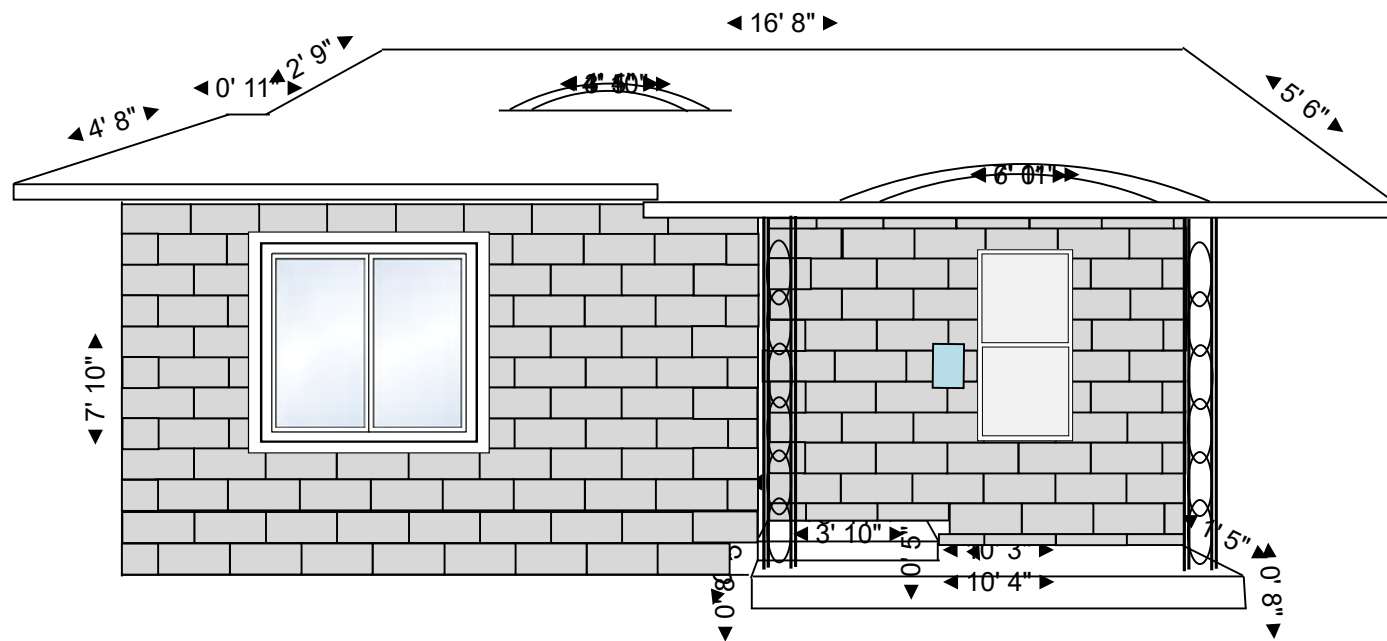
- Replace broken tiles on the existing siding
- Repaint house the same color as now
- Correct wood awning and offers (paint existing color included)
- Replace existing windows with energy efficient models
- Patch roof in northwest corner of house not visible from street
- Remove and wall up secondary door in front of house (called in windows schedule plan to be attached for review)

Project Materials

- Siding - Intent is to fix broken tiles with materials listed below
 - WeatherSide Purity Straight 12 in. x 24 in. Fiber-Cement Siding Shingle (18-Bundle)
- Windows - Intent is to replace windows.
 - Windows scheduled is submitted
 - Ply Gem - 310F 31.25 in. x 59.25 in. Single Hung Aluminum Window - White
- Paint - tint to match existing color of house
 - Sherwin Williams exterior paint
- Roofing shingle - Patching small area back of house not visible from street -
 - OC Supreme Shasta - match existing shingle









A WHOLE NEW POINT OF VIEW.

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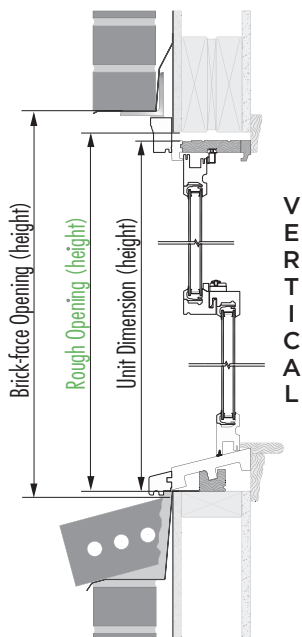
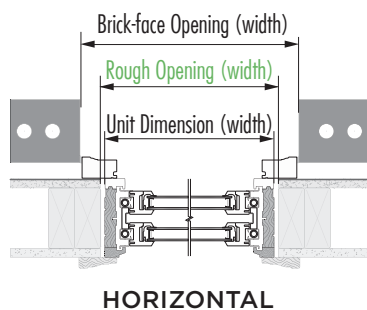
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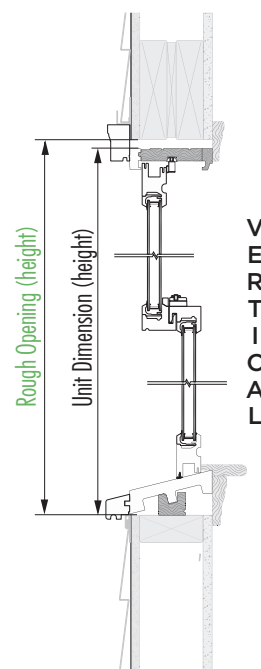
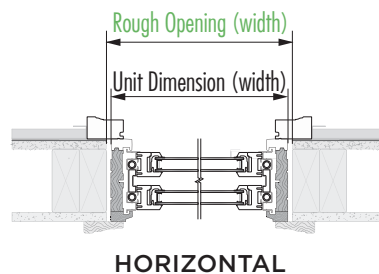
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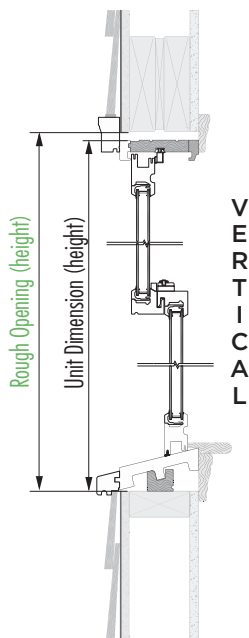
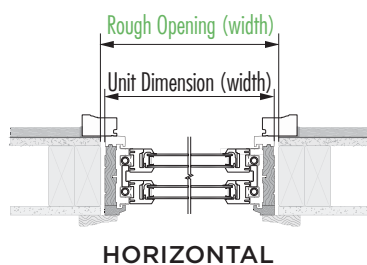
Brick Siding



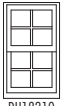
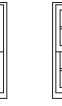
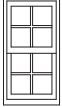
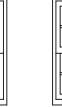
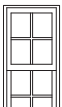
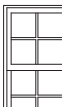
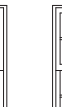
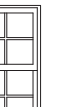
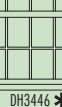
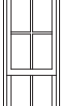
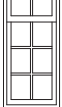
Vinyl Siding



Wood Siding



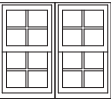
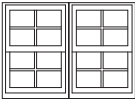
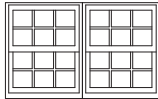
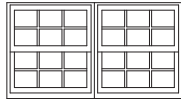
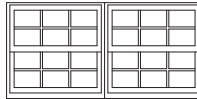
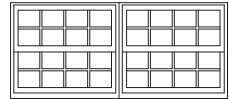
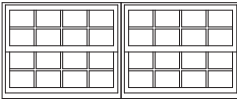
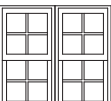
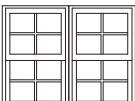
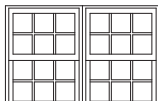
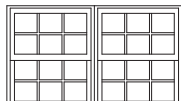
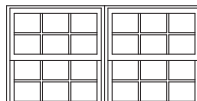
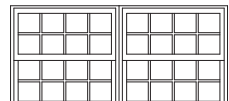
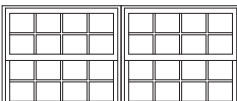
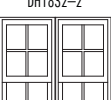
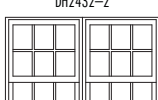
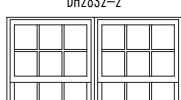
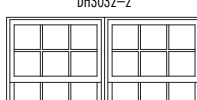
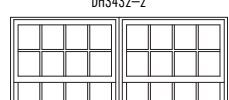
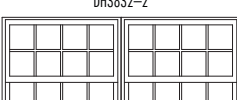
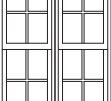
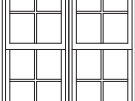
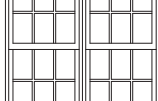
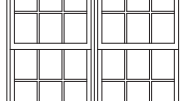
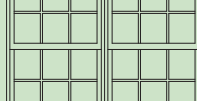
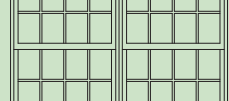
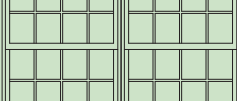
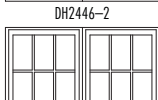
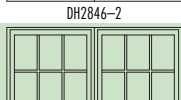
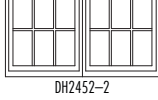
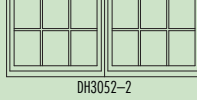
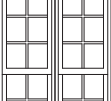
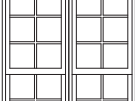
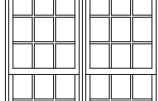
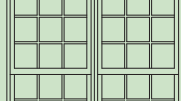
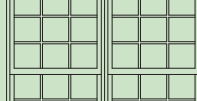
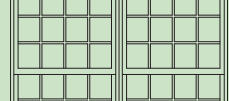
Heights

		Widths						
		1'-9 3/8"	2'-1 3/8"	2'-5 3/8"	2'-9 3/8"	3'-1 3/8"	3'-5 3/8"	3'-9 3/8"
		1'-10 1/2"	2'-2 1/2"	2'-6 1/2"	2'-10 1/2"	3'-2 1/2"	3'-6 1/2"	3'-10 1/2"
		1-8	2-0	2-4	2-8	3-0	3-4	3-8 ‡
Unit Dimension	Rough Opening							
		Call Size						
3'-1"	3-1 5/8"							
3'-5"	3-5 5/8"							
4'-1"	4-1 5/8"							
4'-5"	4-5 5/8"							
4'-9"	4-9 5/8"							
5'-5"	5'-5 5/8"							
5'-9"	5'-9 5/8"							
5'-9"	5'-9 5/8"							
6'-5"	6'-5 5/8"							

NOTE:

Shaded units satisfy IRC egress requirements. Units marked with an * indicate sizes in MW Pro 400 Series that DO NOT satisfy egress. Check with your local code official to confirm egress requirements in your area.

‡ NOTE: 3-8 Widths Not Available in MW Pro 400 Series

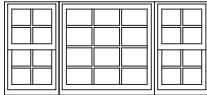
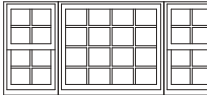
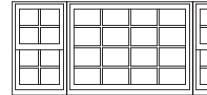
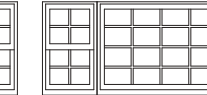
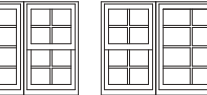
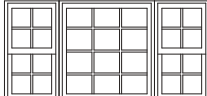
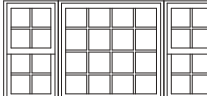
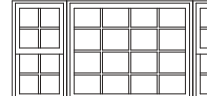
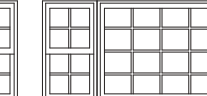
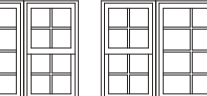
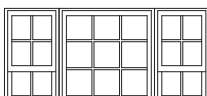
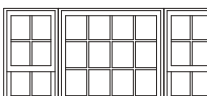
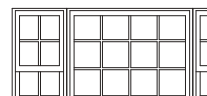
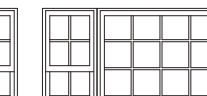
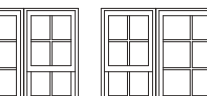
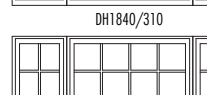
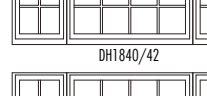
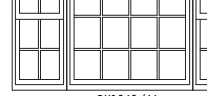
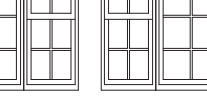
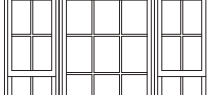
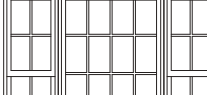
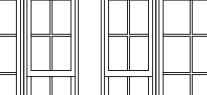
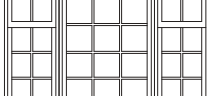
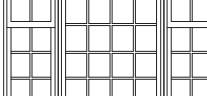
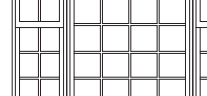
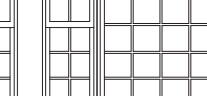
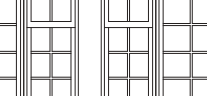
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		3'-6 3/4"	4'-2 3/4"	4'-10 3/4"	5'-6 3/4"	6'-2 3/4"	6'-10 3/4"	7'-6 3/4"
		3'-7 7/8"	4'-3 7/8"	4'-11 7/8"	5'-7 7/8"	6'-3 7/8"	6'-11 7/8"	7'-7 7/8"
		1-8 Twin	2-0 Twin	2-4 Twin	2-8 Twin	3-0 Twin	3-4 Twin	3-8 Twin ‡
Heights	Unit Dimension							
	Rough Opening							
	Call Size							
	3'-1"	 DH18210-2	 DH20210-2	 DH24210-2	 DH28210-2	 DH30210-2	 DH34210-2	 DH38210-2
	3'-5"	 DH1832-2	 DH2032-2	 DH2432-2	 DH2832-2	 DH3032-2	 DH3432-2	 DH3832-2
	4'-1"	 DH18310-2	 DH20310-2	 DH24310-2	 DH28310-2	 DH30310-2	 DH34310-2	 DH38310-2
	4'-5"	 DH1842-2	 DH2042-2	 DH2442-2	 DH2842-2	 DH3042-2	 DH3442-2	 DH3842-2
	4'-9"	 DH1846-2	 DH2046-2	 DH2446-2	 DH2846-2	 DH3046-2 *	 DH3446-2 *	 DH3846-2
	5'-5"	 DH1852-2	 DH2052-2	 DH2452-2	 DH2852-2	 DH3052-2	 DH3452-2	 DH3852-2
	5'-9"	 DH1856C-2	 DH2056C-2	 DH2456C-2	 DH2856C-2	 DH3056C-2	 DH3456C-2	
	5'-9"	 DH1856C-2	 DH2056C-2	 DH2456C-2	 DH2856C-2	 DH3056C-2 *	 DH3456C-2 *	
	6'-5"	 DH1862-2	 DH2062-2	 DH2462-2	 DH2862-2	 DH3062-2	 DH3462-2	

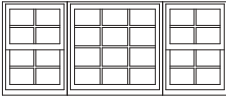
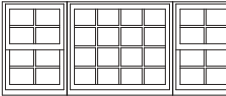
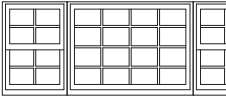
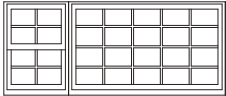
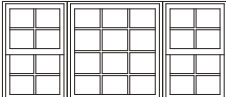
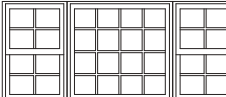
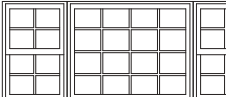
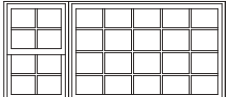
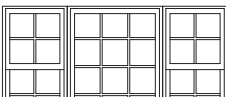
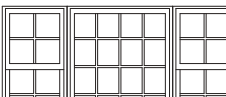
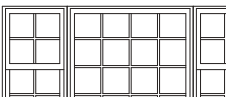
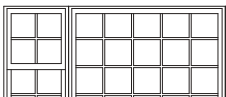
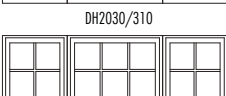
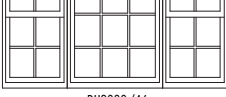
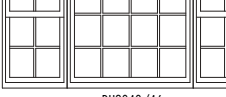
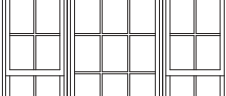
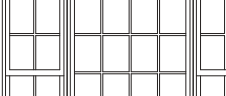
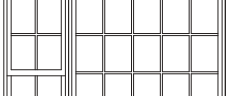
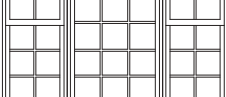
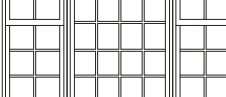
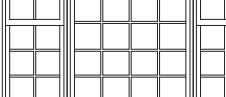
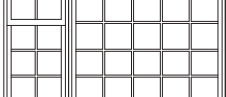
NOTE:

Shaded units satisfy IRC egress requirements. Units marked with an * indicate sizes in MW Pro 400 Series that DO NOT satisfy egress. Check with your local code official to confirm egress requirements in your area.

WHEN ORDERING ADD ONE OF THE FOLLOWING PREFIXES TO SPECIFY YOUR SELECTED PRODUCT: J40 = MW Pro 400 UL = MW Pro 300 WD = MW Pro 200

‡ NOTE: 3-8 Widths Not Available in MW Pro 400 Series

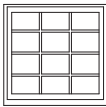
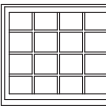
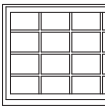
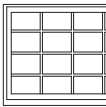
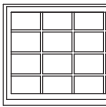
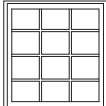
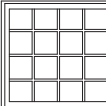
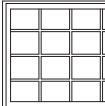
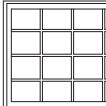
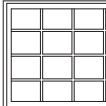
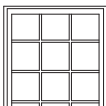
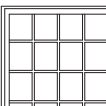
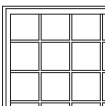
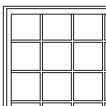
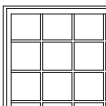
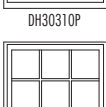
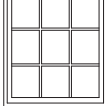
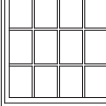
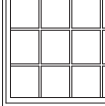
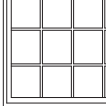
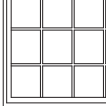
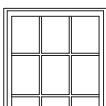
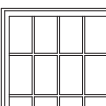
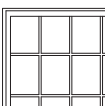
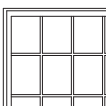
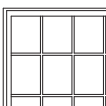
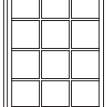
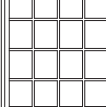
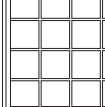
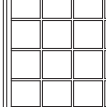
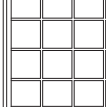
		Widths				
		6' – 8 1/8"	7' – 0 1/8"	7' – 8 1/8"	8' – 8 1/8"	9' – 8 1/8"
		6' – 9 1/4"	7' – 1 1/4"	7' – 9 1/4"	8' – 9 1/4"	9' – 9 1/4"
		18/30	18/34	18/40	18/50	18/60
Unit Dimension	Rough Opening					
		Call Size				
3' – 1"	3' – 1 5/8"	 DH1830/210	 DH1834/210	 DH1840/210	 DH1850/210	 DH1860/210
3' – 5"	3' – 5 5/8"	 DH1830/32	 DH1834/32	 DH1840/32	 DH1850/32	 DH1860/32
4' – 1"	4' – 1 5/8"	 DH1830/310	 DH1834/310	 DH1840/310	 DH1850/310	 DH1860/310
4' – 5"	4' – 5 5/8"	 DH1830/42	 DH1834/42	 DH1840/42	 DH1850/42	 DH1860/42
4' – 9"	4' – 9 5/8"	 DH1830/46	 DH1834/46	 DH1840/46	 DH1850/46	 DH1860/46
5' – 5"	5' – 5 5/8"	 DH1830/52	 DH1834/52	 DH1840/52	 DH1850/52	 DH1860/52
5' – 9"	5' – 9 5/8"	 DH1830/56E	 DH1834/56E	 DH1840/56E	 DH1850/56E	 DH1860/56E
5' – 9"	5' – 9 5/8"	 DH1830/56C	 DH1834/56C	 DH1840/56C	 DH1850/56C	 DH1860/56C
6' – 5"	6' – 5 5/8"	 DH1830/62	 DH1834/62	 DH1840/62	 DH1850/62	 DH1860/62

		Widths			
		7' - 4 1/8"	7' - 8 1/8"	8' - 4 1/8"	9' - 4 1/8"
		7' - 5 1/4"	7' - 9 1/4"	8' - 5 1/4"	9' - 5 1/4"
		20/30	20/34	20/40	20/50
Heights	Unit Dimension				
	Rough Opening				
	Coll Size				
	3' - 1"	 DH2030/210	 DH2034/210	 DH2040/210	 DH2050/210
	3' - 5"	 DH2030/32	 DH2034/32	 DH2040/32	 DH2050/32
	4' - 1"	 DH2030/310	 DH2034/310	 DH2040/310	 DH2050/310
	4' - 5"	 DH2030/42	 DH2034/42	 DH2040/42	 DH2050/42
	4' - 9"	 DH2030/46	 DH2034/46	 DH2040/46	 DH2050/46
	5' - 5"	 DH2030/52	 DH2034/52	 DH2040/52	 DH2050/52
	5' - 9"	 DH2030/56E	 DH2034/56E	 DH2040/56E	 DH2050/56E
	5' - 9"	 DH2030/56C	 DH2034/56C	 DH2040/56C	 DH2050/56C
	6' - 5"	 DH2030/62	 DH2034/62	 DH2040/62	 DH2050/62

WHEN ORDERING ADD ONE OF THE FOLLOWING PREFIXES TO SPECIFY YOUR SELECTED PRODUCT: J40 = MW Pro 400 UL = MW Pro 300 WD = MW Pro 200

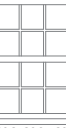
MW PRO SERIES 400, 300, 200

		Widths							
		1'-1 ³ / ₈ "	1'-3 ³ / ₈ "	1'-5 ³ / ₈ "	1'-9 ³ / ₈ "	2'-1 ³ / ₈ "	2'-5 ³ / ₈ "	2'-9 ³ / ₈ "	
		1'-2 ¹ / ₂ "	1'-4 ¹ / ₂ "	1'-6 ¹ / ₂ "	1'-10 ¹ / ₂ "	2'-2 ¹ / ₂ "	2'-6 ¹ / ₂ "	2'-10 ¹ / ₂ "	
Unit Dimension		1-0	1-2	1-4	1-8	2-0	2-4	2-8	
Heights	Rough Opening	3'-1"	3'-5"	4'-1"	4'-5"	4'-9"	5'-5"	5'-9"	6'-5"
	3'-1 ⁵ / ₈ "								
	3'-5 ⁵ / ₈ "								
	4'-1 ⁵ / ₈ "								
	4'-5 ⁵ / ₈ "								
	4'-9 ⁵ / ₈ "								
	5'-5 ⁵ / ₈ "								
	5'-9 ⁵ / ₈ "								
	6'-5 ⁵ / ₈ "								
	6'-2"								

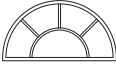
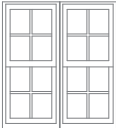
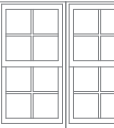
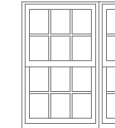
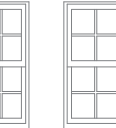
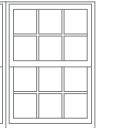
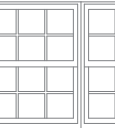
		Widths				
		3' - 1 ³ / ₈ "	3' - 5 ³ / ₈ "	4' - 1 ³ / ₈ "	5' - 1 ³ / ₈ "	6' - 1 ³ / ₈ "
		3' - 2 ¹ / ₂ "	3' - 6 ¹ / ₂ "	4' - 2 ¹ / ₂ "	5' - 2 ¹ / ₂ "	6' - 2 ¹ / ₂ "
		3-0	3-4	4-0	5-0	6-0
Heights	Unit Dimension					
	Rough Opening					
	Call Size					
	3'-1"	 DH30210P	 DH34210P	 DH40210P	 DH50210P	 DH60210P
	3'-5"	 DH3032P	 DH3432P	 DH4032P	 DH5032P	 DH6032P
	4'-1"	 DH30310P	 DH34310P	 DH40310P	 DH50310P	 DH60310P
	4'-5"	 DH3042P	 DH3442P	 DH4042P	 DH5042P	 DH6042P
	4'-9"	 DH3046P	 DH3446P	 DH4046P	 DH5046P	 DH6046P
	5'-5"	 DH3052P	 DH3452P	 DH4052P	 DH5052P	 DH6052P
	5'-9"	 DH3056EP	 DH3456EP	 DH4056EP	 DH5056EP	 DH6056EP
	5'-9"	 DH3056CP	 DH3456CP	 DH4056CP	 DH5056CP	 DH6056CP
	6'-5"	 DH3062P	 DH3462P	 DH4062P	 DH5062P	 DH6062P

WHEN ORDERING ADD ONE OF THE FOLLOWING PREFIXES TO SPECIFY YOUR SELECTED PRODUCT: J40 = MW Pro 400 UL = MW Pro 300 WD = MW Pro 200

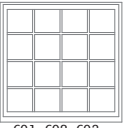
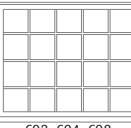
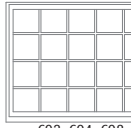
Single Widths

Heights	Unit Dimension						
	Rough Opening						
	Call Size						
	1'-9 3/8"	2'-1 3/8"	2'-5 3/8"	2'-9 3/8"	3'-1 3/8"	3'-5 3/8"	3'-9 3/8"
	1'-10 1/2"	2'-2 1/2"	2'-6 1/2"	2'-10 1/2"	3'-2 1/2"	3'-6 1/2"	3'-10 1/2"
	1-8	2-0	2-4	2-8	3-0	3-4	3-8
							
	DH18CH 0'-11 15/16" 1'-0 7/16"	DH20CH 1'-1 15/16" 1'-2 7/16"	DH24CH 1'-3 15/16" 1'-4 7/16"	DH28CH 1'-5 15/16" 1'-6 7/16"	DH30CH 1'-7 15/16" 1'-8 7/16"	DH34CH 1'-9 15/16" 1'-10 7/16"	DH38CH 1'-11 15/16" 2'-0 7/16"
Grille Options (See chart on opposite page)							
	C01, C02, C0L	C01, C02, C0L	C03, C03, C0L	C03, C03, C0L	C03, C03, C0L	C01, C02 C03, C04, C05, C06, C07, C02, C03, C04, C0L	C01, C02 C03, C04, C05, C06, C07, C02, C03, C04, C0L

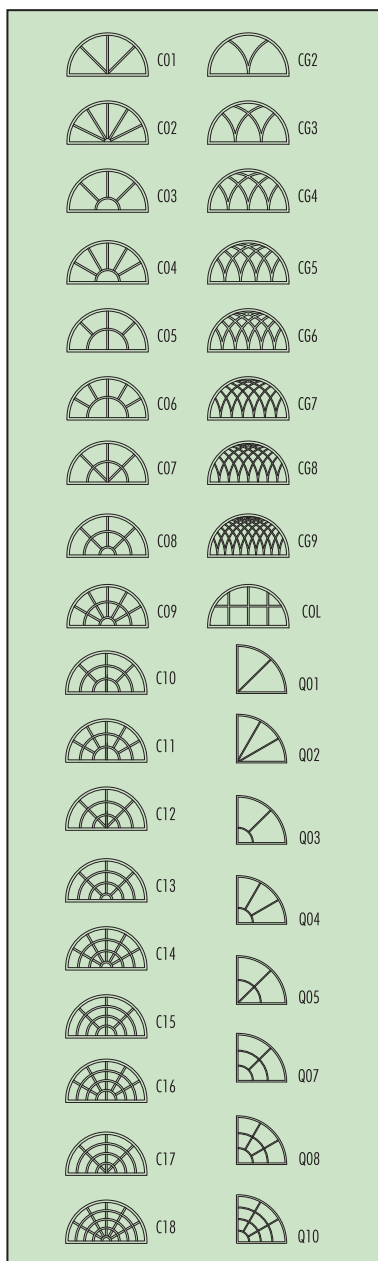
Twin Widths

Heights	Unit Dimension					
	Rough Opening					
	Call Size					
	3'-6 3/4"	4'-2 3/4"	4'-10 3/4"	5'-6 3/4"	6'-2 3/4"	6'-10 3/4"
	3'-7 7/8"	4'-3 7/8"	4'-11 7/8"	5'-7 7/8"	6'-3 7/8"	6'-11 7/8"
	1-8 Twin	2-0 Twin	2-4 Twin	2-8 Twin	3-0 Twin	3-4 Twin
						
	DH18-2CH 1'-10 5/8" 1'-11 1/8"	DH20-2CH 2'-2 5/8" 2'-3 1/8"	DH24-2CH 2'-6 5/8" 2'-7 1/8"	DH28-2CH 2'-10 5/8" 2'-11 1/8"	DH30-2CH 3'-2 5/8" 3'-3 1/8"	DH34-2CH 3'-6 5/8" 3'-7 1/8"
Grille Options (See chart on opposite page)						
	C01, C02, C03, C04, C05, C06, C07, C02, C04, C0L	C01, C02, C03, C04, C05, C06, C07, C02, C04, C0L	C01, C02, C03, C04, C05, C06, C07, C08, C09, C10, C11, C12, C02, C03, C04, C05, C06, C0L	C01, C02, C03, C04, C05, C06, C07, C08, C09, C10, C11, C12, C02, C03, C04, C05, C06, C0L	C01, C02, C03, C04, C05, C06, C07, C08, C09, C10, C11, C12, C02, C03, C04, C05, C06, C0L	C01, C02, C03, C04, C05, C06, C07, C08, C09, C10, C11, C12, C02, C03, C04, C05, C06, C07, C08, C0L

Picture Widths

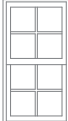
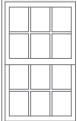
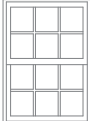
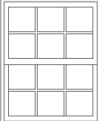
Heights	Unit Dimension			
	Rough Opening			
	Call Size			
	4'-1 3/8"	4'-5 3/8"	5'-1 3/8"	6'-1 3/8"
	4'-2 1/2"	4'-6 1/2"	5'-2 1/2"	6'-2 1/2"
	4-0 Picture	4-4 Picture	5-0 Picture	6-0 Picture
				
	DH40PCH 2'-1 15/16" 2'-2 7/16"	DH44PCH 2'-3 15/16" 2'-4 7/16"	DH50PCH 2'-7 15/16" 2'-8 7/16"	DH60PCH 3'-1 15/16" 3'-2 7/16"
Grille Options (See chart on opposite page)				
	C01, C02, C03, C04, C05, C06, C07, C02, C03, C0L	C03, C04, C08, C09, C03, C05, C0L	C03, C04, C08, C09, C03, C05, C0L	C01, C02, C03, C04, C05, C06, C07, C08, C09, C10, C11, C12, C02, C03, C04, C06, C0L

Optional Grille Patterns

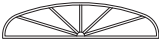
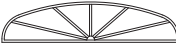
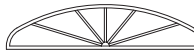
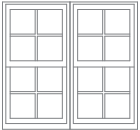
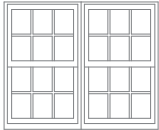
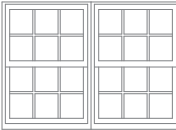
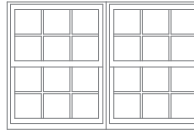


Use order code to specify pattern

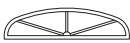
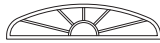
Quarter Circle Widths

Heights	Quarter Circle Widths				
	Unit Dimension	2' - 1 $\frac{3}{8}$ "	2' - 5 $\frac{3}{8}$ "	2' - 9 $\frac{3}{8}$ "	3' - 1 $\frac{3}{8}$ "
	Rough Opening	2' - 2 $\frac{1}{2}$ "	2' - 6 $\frac{1}{2}$ "	2' - 10 $\frac{1}{2}$ "	3' - 2 $\frac{1}{2}$ "
	Call Size	2-0	2-4	2-8	3-0
	Grille Options (See chart on this page)	 DH20QC 2' - 2 $\frac{5}{8}$ " 2' - 3 $\frac{1}{8}$ "	 DH24QC 2' - 6 $\frac{5}{8}$ " 2' - 7 $\frac{1}{8}$ "	 DH28QC 2' - 10 $\frac{5}{8}$ " 2' - 11 $\frac{1}{8}$ "	 DH30QC 3' - 2 $\frac{5}{8}$ " 3' - 3 $\frac{1}{8}$ "
	 Q01, Q02, Q03, Q04, Q05, COL	 Q01, Q02, Q03, Q04, Q05, Q07, Q08, COL	 Q01, Q02, Q03, Q04, Q05, Q07, Q08 COL	 Q01, Q02, Q03, Q04, Q05, Q07, Q08, COL	

Twin Widths

Heights	Twin Widths				
	Unit Dimension	4' - 2 3/4"	4' - 10 3/4"	5' - 6 3/4"	6' - 2 3/4"
	Rough Opening	4' - 3 7/8"	4' - 11 7/8"	5' - 7 7/8"	6' - 3 7/8"
Call Size	2-0 Twin	2-4 Twin	2-8 Twin	3-0 Twin	
					
	DH20-2EL 0' - 10 1/16" 0' - 11 1/16"	DH24-2EL 1' - 1 3/8" 1' - 1 7/8"	DH28-2EL 1' - 3 3/16" 1' - 3 11/16"	DH30-2EL 1' - 4 15/16" 1' - 5 7/16"	
Grille Options (See chart on this page)					
	C01, C02, C03, C04, C05, C06, C07, C62, CG3, CG4, COL	C01, C02, C03, C04, C05, C06, C07, CG2, CG3, CG4, COL	C01, C02, C03, C04, C05, C06, C07, CG2, CG3, CG4, CG5, CG6, COL	C01, C02, C03, C04, C05, C06, C07, CG2, CG3, CG4, CG5, CG6, COL	

Picture Widths

Heights	Unit Dimension	4' - 1 3/8"	5' - 1 3/8"	6' - 1 3/8"
	Rough Opening	4' - 2 1/2"	5' - 2 1/2"	6' - 2 1/2"
	Call Size	4-0 Picture	5-0 Picture	6-0 Picture
	Grille Options (See chart on this page)	 DH40-PEL 1' - 1 1/4" 1' - 0 3/4"	 DH50-PEL 1' - 1 15/16" 1' - 2 1/16"	 DH60-PEL 1' - 4 11/16" 1' - 5 3/16"
		C01, C02, C03, C04, COL	C03, C04, C03, C05, C06, COL	C01, C02, C03, C04, C05, C06, C07, C02, C03, C04, C05, C06, COL

WHEN ORDERING ADD ONE OF THE FOLLOWING PREFIXES TO SPECIFY YOUR SELECTED PRODUCT: J40 = MW Pro 400 UL = MW Pro 300 WD = MW Pro 200

Double Hung – True Radius Single Units

MW PRO SERIES 400, 300, 200

Standard Colonial Grille Pattern Widths

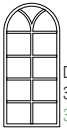
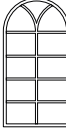
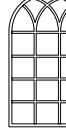
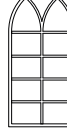
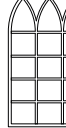
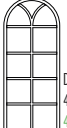
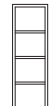
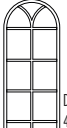
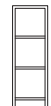
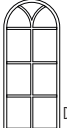
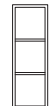
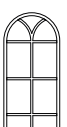
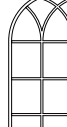
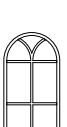
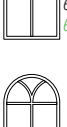
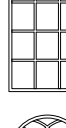
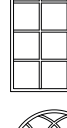
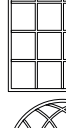
Heights

Unit height dimension is listed first under individual windows

Rough Opening height dimension is listed second under individual windows

Unit Dimension	Standard Colonial Grille Pattern Widths						Unit Dimension
	1' - 9 ³ / ₈ "	2' - 1 ³ / ₈ "	2' - 5 ³ / ₈ "	2' - 9 ³ / ₈ "	3' - 1 ³ / ₈ "	3' - 5 ³ / ₈ "	
Rough Opening	1' - 10 ¹ / ₂ "	2' - 2 ¹ / ₂ "	2' - 6 ¹ / ₂ "	2' - 10 ¹ / ₂ "	3' - 2 ¹ / ₂ "	3' - 6 ¹ / ₂ "	1' - 1 ³ / ₈ "
Call Size	1-8	2-0	2-4	2-8	3-0	3-4	1-0
2-10	 DH18210TR 3' - 11 ¹ / ₄ " 3' - 11 ⁷ / ₈ "	 DH20210TR 4' - 1 ¹ / ₄ " 4' - 1 ⁷ / ₈ "	 DH24210TR 4' - 3 ¹ / ₄ " 4' - 3 ⁷ / ₈ "	 DH28210TR 4' - 5 ¹ / ₄ " 4' - 5 ⁷ / ₈ "	 DH30210TR 4' - 7 ¹ / ₄ " 4' - 7 ⁷ / ₈ "	 DH34210TR 4' - 9 ¹ / ₄ " 4' - 9 ⁷ / ₈ "	 DH10210SL
3-2	 DH1832TR 4' - 3 ¹ / ₄ " 4' - 3 ⁷ / ₈ "	 DH2032TR 4' - 5 ¹ / ₄ " 4' - 5 ⁷ / ₈ "	 DH2432TR 4' - 7 ¹ / ₄ " 4' - 7 ⁷ / ₈ "	 DH2832TR 4' - 9 ¹ / ₄ " 4' - 9 ⁷ / ₈ "	 DH3032TR 4' - 11 ¹ / ₄ " 4' - 11 ⁷ / ₈ "	 DH3432TR 5' - 1 ¹ / ₄ " 5' - 1 ⁷ / ₈ "	 DH1032SL
3-10	 DH18310TR 4' - 11 ¹ / ₄ " 4' - 11 ⁷ / ₈ "	 DH20310TR 5' - 1 ¹ / ₄ " 5' - 1 ⁷ / ₈ "	 DH24310TR 5' - 3 ¹ / ₄ " 5' - 3 ⁷ / ₈ "	 DH28310TR 5' - 5 ¹ / ₄ " 5' - 5 ⁷ / ₈ "	 DH30310TR 5' - 7 ¹ / ₄ " 5' - 7 ⁷ / ₈ "	 DH34310TR 5' - 9 ¹ / ₄ " 5' - 9 ⁷ / ₈ "	 DH10310SL
4-2	 DH1842TR 5' - 3 ¹ / ₄ " 5' - 3 ⁷ / ₈ "	 DH2042TR 5' - 5 ¹ / ₄ " 5' - 5 ⁷ / ₈ "	 DH2442TR 5' - 7 ¹ / ₄ " 5' - 7 ⁷ / ₈ "	 DH2842TR 5' - 9 ¹ / ₄ " 5' - 9 ⁷ / ₈ "	 DH3042TR 5' - 11 ¹ / ₄ " 5' - 11 ⁷ / ₈ "	 DH3442TR 6' - 1 ¹ / ₄ " 6' - 1 ⁷ / ₈ "	 DH1042SL
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6-2	 DH1862TR 7' - 3 ¹ / ₄ " 7' - 3 ⁷ / ₈ "	 DH2062TR 7' - 5 ¹ / ₄ " 7' - 5 ⁷ / ₈ "	 DH2462TR 7' - 7 ¹ / ₄ " 7' - 7 ⁷ / ₈ "	 DH2862TR 7' - 9 ¹ / ₄ " 7' - 9 ⁷ / ₈ "	 DH3062TR 7' - 11 ¹ / ₄ " 7' - 11 ⁷ / ₈ "	 DH3462TR 8' - 1 ¹ / ₄ " 8' - 1 ⁷ / ₈ "	 DH1062SL

Optional Gothic Grille Pattern
Widths

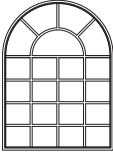
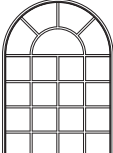
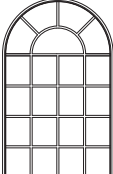
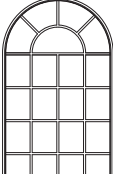
Unit Dimension		1' - 9 3/8"	2' - 1 3/8"	2' - 5 3/8"	2' - 9 3/8"	3' - 1 3/8"	3' - 5 3/8"	1' - 1 3/8"
Rough Opening		1' - 10 1/2"	2' - 2 1/2"	2' - 6 1/2"	2' - 10 1/2"	3' - 2 1/2"	3' - 6 1/2"	1' - 2 1/2"
Call Size		1-8	2-0	2-4	2-8	3-0	3-4	1-0
Heights	2-10	 DH1821OTR 3' - 11 1/4" 3' - 11 7/8"	 DH2021OTR 4' - 1 1/4" 4' - 1 7/8"	 DH2421OTR 4' - 3 1/4" 4' - 3 7/8"	 DH2821OTR 4' - 5 1/4" 4' - 5 7/8"	 DH3021OTR 4' - 7 1/4" 4' - 7 7/8"	 DH3421OTR 4' - 9 1/4" 4' - 9 7/8"	 DH1021OSL
	3-2	 DH1832TR 4' - 3 1/4" 4' - 3 7/8"	 DH2032TR 4' - 5 1/4" 4' - 5 7/8"	 DH2432TR 4' - 7 1/4" 4' - 7 7/8"	 DH2832TR 4' - 9 1/4" 4' - 9 7/8"	 DH3032TR 4' - 11 1/4" 4' - 11 7/8"	 DH3432TR 5' - 1 1/4" 5' - 1 7/8"	 DH1032SL
	3-10	 DH1831OTR 4' - 11 1/4" 4' - 11 7/8"	 DH2031OTR 5' - 1 1/4" 5' - 1 7/8"	 DH2431OTR 5' - 3 1/4" 5' - 3 7/8"	 DH2831OTR 5' - 5 1/4" 5' - 5 7/8"	 DH3031OTR 5' - 7 1/4" 5' - 7 7/8"	 DH3431OTR 5' - 9 1/4" 5' - 9 7/8"	 DH1031OSL
	4-2	 DH1842TR 5' - 3 1/4" 5' - 3 7/8"	 DH2042TR 5' - 5 1/4" 5' - 5 7/8"	 DH2442TR 5' - 7 1/4" 5' - 7 7/8"	 DH2842TR 5' - 9 1/4" 5' - 9 7/8"	 DH3042TR 5' - 11 1/4" 5' - 11 7/8"	 DH3442TR 6' - 1 1/4" 6' - 1 7/8"	 DH1042SL
	4-6	 DH1846TR 5' - 7 1/4" 5' - 7 7/8"	 DH2046TR 5' - 9 1/4" 5' - 9 7/8"	 DH2446TR 5' - 11 1/4" 5' - 11 7/8"	 DH2846TR 6' - 1 1/4" 6' - 1 7/8"	 DH3046TR 6' - 3 1/4" 6' - 3 7/8"	 DH3446TR 6' - 5 1/4" 6' - 5 7/8"	 DH1046SL
	5-2	 DH1852TR 6' - 3 1/4" 6' - 3 7/8"	 DH2052TR 6' - 5 1/4" 6' - 5 7/8"	 DH2452TR 6' - 7 1/4" 6' - 7 7/8"	 DH2852TR 6' - 9 1/4" 6' - 9 7/8"	 DH3052TR 6' - 11 1/4" 6' - 11 7/8"	 DH3452TR 7' - 1 1/4" 7' - 1 7/8"	 DH1052SL
	5-6	 DH1856TR 6' - 7 1/4" 6' - 7 7/8"	 DH2056TR 6' - 9 1/4" 6' - 9 7/8"	 DH2456TR 6' - 11 1/4" 6' - 11 7/8"	 DH2856TR 7' - 1 1/4" 7' - 1 7/8"	 DH3056TR 7' - 3 1/4" 7' - 3 7/8"	 DH3456TR 7' - 5 1/4" 7' - 5 7/8"	 DH1056SL
	6-2	 DH1862TR 7' - 3 1/4" 7' - 3 7/8"	 DH2062TR 7' - 5 1/4" 7' - 5 7/8"	 DH2462TR 7' - 7 1/4" 7' - 7 7/8"	 DH2862TR 7' - 9 1/4" 7' - 9 7/8"	 DH3062TR 7' - 11 1/4" 7' - 11 7/8"	 DH3462TR 8' - 1 1/4" 8' - 1 7/8"	 DH1062SL

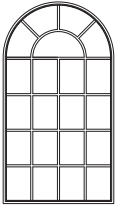
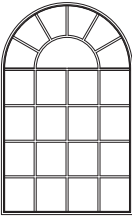
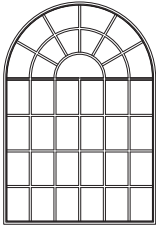
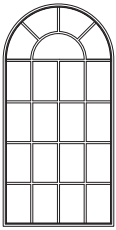
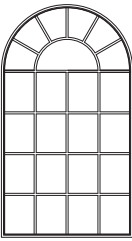
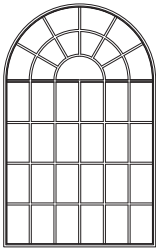
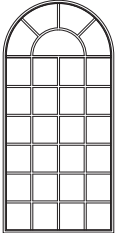
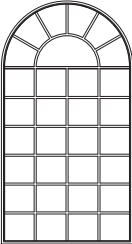
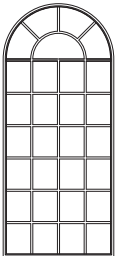
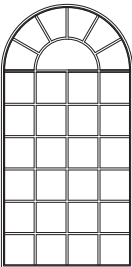
WHEN ORDERING ADD ONE OF THE FOLLOWING PREFIXES TO SPECIFY YOUR SELECTED PRODUCT: J40 = MW Pro 400 UL = MW Pro 300 WD = MW Pro 200

Double Hung – True Radius Twin Units

MW PRO SERIES 400, 300, 200

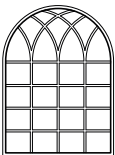
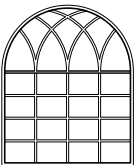
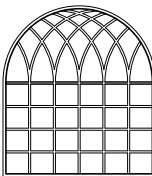
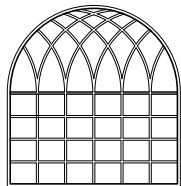
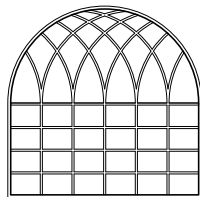
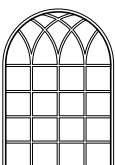
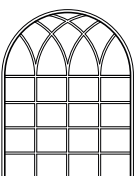
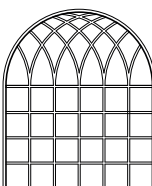
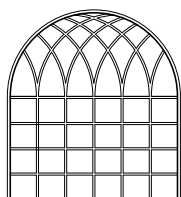
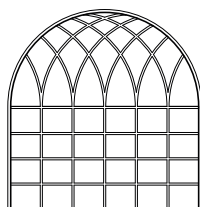
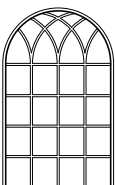
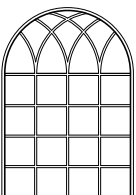
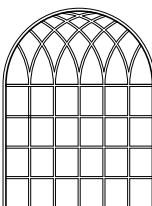
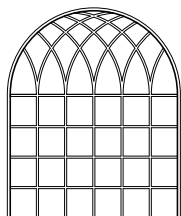
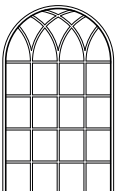
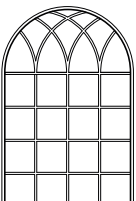
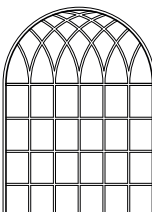
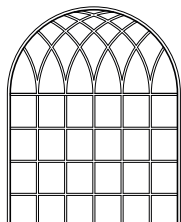
Standard Colonial Grille Pattern Widths

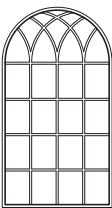
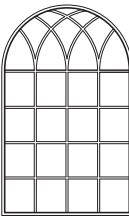
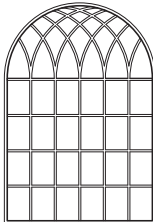
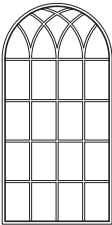
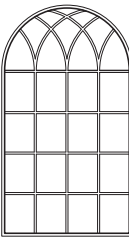
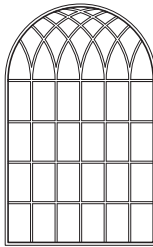
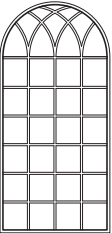
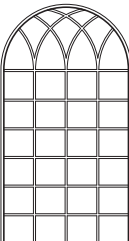
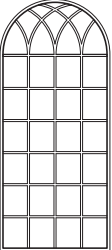
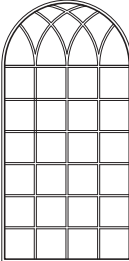
Heights Unit height dimension is listed first under individual windows Rough Opening height dimension is listed second under individual windows	Unit Dimension Rough Opening Call Size	Standard Colonial Grille Pattern Widths				
		3' – 6 ³ / ₄ "	4' – 2 ³ / ₄ "	4' – 10 ³ / ₄ "	5' – 6 ³ / ₄ "	6' – 2 ³ / ₄ "
		3' – 7 ⁷ / ₈ "	4' – 3 ⁷ / ₈ "	4' – 11 ⁷ / ₈ "	5' – 7 ⁷ / ₈ "	6' – 3 ⁷ / ₈ "
		1–8 Twin	2–0 Twin	2–4 Twin	2–8 Twin	3–0 Twin
2–10		DH18210–2TR 4' – 9 ¹⁵ / ₁₆ " 4' – 10 ⁹ / ₁₆ "	DH20210–2TR 5' – 1 ¹⁵ / ₁₆ " 5' – 2 ⁹ / ₁₆ "	DH24210–2TR 5' – 5 ¹⁵ / ₁₆ " 5' – 6 ⁹ / ₁₆ "	DH28210–2TR 5' – 9 ¹⁵ / ₁₆ " 5' – 10 ⁹ / ₁₆ "	DH30210–2TR 6' – 1 ¹⁵ / ₁₆ " 6' – 2 ⁹ / ₁₆ "
3–2		DH1832–2TR 5' – 1 ¹⁵ / ₁₆ " 5' – 2 ⁹ / ₁₆ "	DH2032–2TR 5' – 5 ¹⁵ / ₁₆ " 5' – 6 ⁹ / ₁₆ "	DH2432–2TR 5' – 9 ¹⁵ / ₁₆ " 5' – 10 ⁹ / ₁₆ "	DH2832–2TR 6' – 1 ¹⁵ / ₁₆ " 6' – 2 ⁹ / ₁₆ "	DH3032–2TR 6' – 5 ¹⁵ / ₁₆ " 6' – 6 ⁹ / ₁₆ "
3–10		DH18310–2TR 5' – 9 ¹⁵ / ₁₆ " 5' – 10 ⁹ / ₁₆ "	DH20310–2TR 6' – 1 ¹⁵ / ₁₆ " 6' – 2 ⁹ / ₁₆ "	DH24310–2TR 6' – 5 ¹⁵ / ₁₆ " 6' – 6 ⁹ / ₁₆ "	DH28310–2TR 6' – 9 ¹⁵ / ₁₆ " 6' – 10 ⁹ / ₁₆ "	
4–2		DH1842–2TR 6' – 1 ¹⁵ / ₁₆ " 6' – 2 ⁹ / ₁₆ "	DH2042–2TR 6' – 5 ¹⁵ / ₁₆ " 6' – 6 ⁹ / ₁₆ "	DH2442–2TR 6' – 9 ¹⁵ / ₁₆ " 6' – 10 ⁹ / ₁₆ "	DH2842–2TR 7' – 1 ¹⁵ / ₁₆ " 7' – 2 ⁹ / ₁₆ "	

		Standard Colonial Grille Pattern Widths		
		3' – 6 ³ / ₄ "	4' – 2 ³ / ₄ "	4' – 10 ³ / ₄ "
		3' – 7 ⁷ / ₈ "	4' – 3 ⁷ / ₈ "	4' – 11 ⁷ / ₈ "
		1–8 Twin	2–0 Twin	2–4 Twin
Heights	Unit Dimension			
	Rough Opening			
	Call Size			
	Cell Size			
	4–6	 DH1846–2TR 6' – 5 ¹⁵ / ₁₆ " 6' – 6 ⁹ / ₁₆ "	 DH2046–2TR 6' – 9 ¹⁵ / ₁₆ " 6' – 10 ⁹ / ₁₆ "	 DH2446–2TR 7' – 1 ¹⁵ / ₁₆ " 7' – 2 ⁹ / ₁₆ "
	5–2	 DH1852–2TR 7' – 1 ¹⁵ / ₁₆ " 7' – 2 ⁹ / ₁₆ "	 DH2052–2TR 7' – 5 ¹⁵ / ₁₆ " 7' – 6 ⁹ / ₁₆ "	 DH2452–2TR 7' – 9 ¹⁵ / ₁₆ " 7' – 10 ⁹ / ₁₆ "
	5–6	 DH1856–2TR 7' – 5 ¹⁵ / ₁₆ " 7' – 6 ⁹ / ₁₆ "	 DH2056–2TR 7' – 9 ¹⁵ / ₁₆ " 7' – 10 ⁹ / ₁₆ "	
	6–2	 DH1862–2TR 8' – 1 ¹⁵ / ₁₆ " 8' – 2 ⁹ / ₁₆ "	 DH2062–2TR 8' – 5 ¹⁵ / ₁₆ " 8' – 6 ⁹ / ₁₆ "	

WHEN ORDERING ADD ONE OF THE FOLLOWING PREFIXES TO SPECIFY YOUR SELECTED PRODUCT: J40 = MW Pro 400 UL = MW Pro 300 WD = MW Pro 200

Optional Gothic Grille Pattern Widths

		3' – 6 ³ / ₄ "	4' – 2 ³ / ₄ "	4' – 10 ³ / ₄ "	5' – 6 ³ / ₄ "	6' – 2 ³ / ₄ "
		3' – 7 ⁷ / ₈ "	4' – 3 ⁷ / ₈ "	4' – 11 ⁷ / ₈ "	5' – 7 ⁷ / ₈ "	6' – 3 ⁷ / ₈ "
		1-8 Twin	2-0 Twin	2-4 Twin	2-8 Twin	3-0 Twin
Heights	Unit Dimension					
	Rough Opening					
	Call Size					
	2-10	 DH18210-2TR 4' – 9 ¹⁵ / ₁₆ " 4' – 10 ⁹ / ₁₆ "	 DH20210-2TR 5' – 1 ¹⁵ / ₁₆ " 5' – 2 ⁹ / ₁₆ "	 DH24210-2TR 5' – 5 ¹⁵ / ₁₆ " 5' – 6 ⁹ / ₁₆ "	 DH28210-2TR 5' – 9 ¹⁵ / ₁₆ " 5' – 10 ⁹ / ₁₆ "	 DH30210-2TR 6' – 1 ¹⁵ / ₁₆ " 6' – 2 ⁹ / ₁₆ "
	3-2	 DH1832-2TR 5' – 1 ¹⁵ / ₁₆ " 5' – 2 ⁹ / ₁₆ "	 DH2032-2TR 5' – 5 ¹⁵ / ₁₆ " 5' – 6 ⁹ / ₁₆ "	 DH2432-2TR 5' – 9 ¹⁵ / ₁₆ " 5' – 10 ⁹ / ₁₆ "	 DH2832-2TR 6' – 1 ¹⁵ / ₁₆ " 6' – 2 ⁹ / ₁₆ "	 DH3032-2TR 6' – 5 ¹⁵ / ₁₆ " 6' – 6 ⁹ / ₁₆ "
	3-10	 DH18310-2TR 5' – 9 ¹⁵ / ₁₆ " 5' – 10 ⁹ / ₁₆ "	 DH20310-2TR 6' – 1 ¹⁵ / ₁₆ " 6' – 2 ⁹ / ₁₆ "	 DH24310-2TR 6' – 5 ¹⁵ / ₁₆ " 6' – 6 ⁹ / ₁₆ "	 DH28310-2TR 6' – 9 ¹⁵ / ₁₆ " 6' – 10 ⁹ / ₁₆ "	
	4-2	 DH1842-2TR 6' – 1 ¹⁵ / ₁₆ " 6' – 2 ⁹ / ₁₆ "	 DH2042-2TR 6' – 5 ¹⁵ / ₁₆ " 6' – 6 ⁹ / ₁₆ "	 DH2442-2TR 6' – 9 ¹⁵ / ₁₆ " 6' – 10 ⁹ / ₁₆ "	 DH2842-2TR 7' – 1 ¹⁵ / ₁₆ " 7' – 2 ⁹ / ₁₆ "	

		Optional Gothic Grille Pattern Widths		
		3' – 6 ³ / ₄ "	4' – 2 ³ / ₄ "	4' – 10 ³ / ₄ "
		3' – 7 ⁷ / ₈ "	4' – 3 ⁷ / ₈ "	4' – 11 ⁷ / ₈ "
		1–8 Twin	2–0 Twin	2–4 Twin
Heights	Unit Dimension			
	Rough Opening			
	Cell Size			
	Unit Height			
	4–6	 DH1846–2TR 6' – 5 ¹⁵ / ₁₆ " 6' – 6 ⁷ / ₈ "	 DH2046–2TR 6' – 9 ¹⁵ / ₁₆ " 6' – 10 ⁷ / ₈ "	 DH2446–2TR 7' – 1 ¹⁵ / ₁₆ " 7' – 2 ⁷ / ₈ "
	5–2	 DH1852–2TR 7' – 1 ¹⁵ / ₁₆ " 7' – 2 ⁷ / ₈ "	 DH2052–2TR 7' – 5 ¹⁵ / ₁₆ " 7' – 6 ⁷ / ₈ "	 DH2452–2TR 7' – 9 ¹⁵ / ₁₆ " 7' – 10 ⁷ / ₈ "
	5–6	 DH1856–2TR 7' – 5 ¹⁵ / ₁₆ " 7' – 6 ⁷ / ₈ "	 DH2056–2TR 7' – 9 ¹⁵ / ₁₆ " 7' – 10 ⁷ / ₈ "	
	6–2	 DH1862–2TR 8' – 1 ¹⁵ / ₁₆ " 8' – 2 ⁷ / ₈ "	 DH2062–2TR 8' – 5 ¹⁵ / ₁₆ " 8' – 6 ⁷ / ₈ "	

WHEN ORDERING ADD ONE OF THE FOLLOWING PREFIXES TO SPECIFY YOUR SELECTED PRODUCT: J40 = MW Pro 400 UL = MW Pro 300 WD = MW Pro 200

Standard Colonial Grille Pattern Widths

Unit Dimension Rough Opening Call Size	1' - 9 3/8"	2' - 1 3/8"	2' - 5 3/8"	2' - 9 3/8"	3' - 1 3/8"	3' - 5 3/8"
	1' - 10 1/2"	2' - 2 1/2"	2' - 6 1/2"	2' - 10 1/2"	3' - 2 1/2"	3' - 6 1/2"
	1-8	2-0	2-4	2-8	3-0	3-4
3-10	 DH18310AH 4' - 4 1/8" 4' - 4 3/4"	 DH20310AH 4' - 4 13/16" 4' - 5 1/16"	 DH24310AH 4' - 5 1/2" 4' - 6 1/8"	 DH28310AH 4' - 6 1/8" 4' - 6 3/4"	 DH30310AH 4' - 6 13/16" 4' - 7 1/16"	 DH34310AH 4' - 7 1/2" 4' - 8 1/8"
4-2	 DH1842AH 4' - 8 1/8" 4' - 8 3/4"	 DH2042AH 4' - 8 13/16" 4' - 9 1/16"	 DH2442AH 4' - 9 1/2" 4' - 10 1/8"	 DH2842AH 4' - 10 1/8" 4' - 10 3/4"	 DH3042AH 4' - 10 13/16" 4' - 11 1/16"	 DH3442AH 4' - 11 1/2" 5' - 0 1/8"
4-6	 DH1846AH 5' - 0 1/8" 5' - 0 3/4"	 DH2046AH 5' - 0 13/16" 5' - 1 1/16"	 DH2446AH 5' - 1 1/2" 5' - 2 1/8"	 DH2846AH 5' - 2 1/8" 5' - 2 3/4"	 DH3046AH 5' - 2 13/16" 5' - 3 1/16"	 DH3446AH 5' - 3 1/2" 5' - 4 1/8"
5-2	 DH1852AH 5' - 8 1/8" 5' - 8 3/4"	 DH2052AH 5' - 8 13/16" 5' - 9 1/16"	 DH2452AH 5' - 9 1/2" 5' - 10 1/8"	 DH2852AH 5' - 10 1/8" 5' - 10 3/4"	 DH3052AH 5' - 10 13/16" 5' - 11 1/16"	 DH3452AH 5' - 11 1/2" 6' - 0 1/8"
5-6	 DH1856AH 6' - 0 1/8" 6' - 0 3/4"	 DH2056AH 6' - 0 13/16" 6' - 1 1/16"	 DH2456AH 6' - 1 1/2" 6' - 2 1/8"	 DH2856AH 6' - 2 1/8" 6' - 2 3/4"	 DH3056AH 6' - 2 13/16" 6' - 3 1/16"	 DH3456AH 6' - 3 1/2" 6' - 4 1/8"
6-2	 DH1862AH 6' - 8 1/8" 6' - 8 3/4"	 DH2062AH 6' - 8 13/16" 6' - 9 1/16"	 DH2462AH 6' - 9 1/2" 6' - 10 1/8"	 DH2862AH 6' - 10 1/8" 6' - 10 3/4"	 DH3062AH 6' - 10 13/16" 6' - 11 1/16"	 DH3462AH 6' - 11 1/2" 7' - 0 1/8"

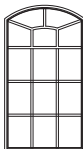
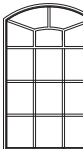
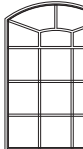
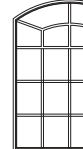
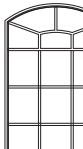
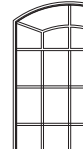
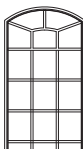
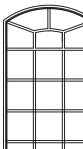
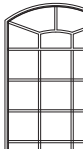
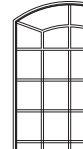
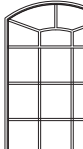
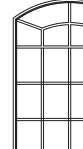
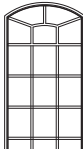
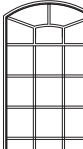
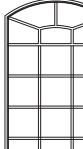
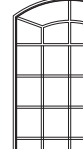
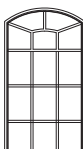
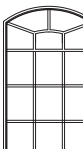
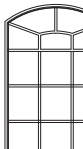
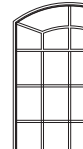
Unit height dimension is listed first under individual windows

Rough Opening height dimension is listed second under individual windows

Heights

Unit height dimension is listed first under individual windows

Rough Opening height dimension is listed second under individual windows

		Optional Renaissance Grille Pattern Widths			
Unit Dimension	Rough Opening	2' – 5 ³ / ₈ "	2' – 9 ³ / ₈ "	3' – 1 ³ / ₈ "	3' – 5 ³ / ₈ "
		2' – 6 ¹ / ₂ "	2' – 10 ¹ / ₂ "	3' – 2 ¹ / ₂ "	3' – 6 ¹ / ₂ "
		2-4	2-8	3-0	3-4
3-10	3-10	 DH24310AH 4' – 5 ¹ / ₂ " 4' – 6 ¹ / ₈ "	 DH28310AH 4' – 6 ¹ / ₈ " 4' – 6 ³ / ₄ "	 DH30310AH 4' – 6 ¹³ / ₁₆ " 4' – 7 ¹ / ₁₆ "	 DH34310AH 4' – 7 ¹ / ₂ " 4' – 8 ¹ / ₈ "
		 DH2442AH 4' – 9 ¹ / ₂ " 4' – 10 ¹ / ₈ "	 DH2842AH 4' – 10 ¹ / ₈ " 4' – 10 ³ / ₄ "	 DH3042AH 4' – 10 ¹³ / ₁₆ " 4' – 11 ¹ / ₁₆ "	 DH3442AH 4' – 11 ¹ / ₂ " 5' – 0 ¹ / ₈ "
4-6	4-6	 DH2446AH 5' – 1 ¹ / ₂ " 5' – 2 ¹ / ₈ "	 DH2846AH 5' – 2 ¹ / ₈ " 5' – 2 ³ / ₄ "	 DH3046AH 5' – 2 ¹³ / ₁₆ " 5' – 3 ¹ / ₁₆ "	 DH3446AH 5' – 3 ¹ / ₂ " 5' – 4 ¹ / ₈ "
		 DH2452AH 5' – 9 ¹ / ₂ " 5' – 10 ¹ / ₈ "	 DH2852AH 5' – 10 ¹ / ₈ " 5' – 10 ³ / ₄ "	 DH3052AH 5' – 10 ¹³ / ₁₆ " 5' – 11 ¹ / ₁₆ "	 DH3452AH 5' – 11 ¹ / ₂ " 6' – 0 ¹ / ₈ "
5-6	5-6	 DH2456AH 6' – 1 ¹ / ₂ " 6' – 2 ¹ / ₈ "	 DH2856AH 6' – 2 ¹ / ₈ " 6' – 2 ³ / ₄ "	 DH3056AH 6' – 2 ¹³ / ₁₆ " 6' – 3 ¹ / ₁₆ "	 DH3456AH 6' – 3 ¹ / ₂ " 6' – 4 ¹ / ₈ "
		 DH2462AH 6' – 9 ¹ / ₂ " 6' – 10 ¹ / ₈ "	 DH2862AH 6' – 10 ¹ / ₈ " 6' – 10 ³ / ₄ "	 DH3062AH 6' – 10 ¹³ / ₁₆ " 6' – 11 ¹ / ₁₆ "	 DH3462AH 6' – 11 ¹ / ₂ " 7' – 0 ¹ / ₈ "

WHEN ORDERING ADD ONE OF THE FOLLOWING PREFIXES TO SPECIFY YOUR SELECTED PRODUCT: J40 = MW Pro 400 UL = MW Pro 300 WD = MW Pro 200

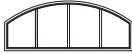
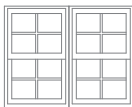
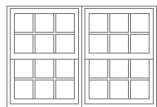
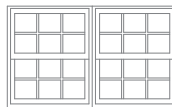
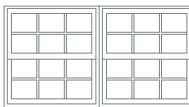
Standard Colonial Grille Pattern Widths

		1' - 9 3/8"	2' - 1 3/8"	2' - 5 3/8"	2' - 9 3/8"	3' - 1 3/8"	3' - 5 3/8"	4' - 1 3/8"	5' - 1 3/8"	6' - 1 3/8"
		1' - 10 1/2"	2' - 2 1/2"	2' - 6 1/2"	2' - 10 1/2"	3' - 2 1/2"	3' - 6 1/2"	4' - 2 1/2"	5' - 2 1/2"	6' - 2 1/2"
		1-8	2-0	2-4	2-8	3-0	3-4	4-0	5-0	6-0
Heights	Unit Dimension									
	Rough Opening									
	Call Size									
	0-6	 DH1806AHTN 0' - 10 15/16" 0' - 11 1/8"	 DH2006AHTN 0' - 11 5/8" 1' - 0 1/4"	 DH2406AHTN 1' - 0 5/16" 1' - 0 15/16"	 DH2806AHTN 1' - 0 15/16" 1' - 1 1/8"	 DH3006AHTN 1' - 1 5/8" 1' - 2 1/4"	 DH3406AHTN 1' - 2 5/16" 1' - 2 15/16"	 DH4006AHTN 1' - 3 5/8" 1' - 4 1/4"	 DH5006AHTN 1' - 5 5/8" 1' - 6 1/4"	 DH6006AHTN 1' - 7 5/8" 1' - 8 1/4"
	0-10	 DH18010AHTN 1' - 2 15/16" 1' - 3 3/8"	 DH20010AHTN 1' - 3 5/8" 1' - 4 1/4"	 DH24010AHTN 1' - 4 5/16" 1' - 4 15/16"	 DH28010AHTN 1' - 4 15/16" 1' - 5 5/8"	 DH30010AHTN 1' - 5 5/8" 1' - 6 1/4"	 DH34010AHTN 1' - 6 5/16" 1' - 6 15/16"	 DH40010AHTN 1' - 7 5/8" 1' - 8 1/4"	 DH50010AHTN 1' - 9 5/8" 1' - 10 1/4"	 DH60010AHTN 1' - 11 5/8" 2' - 0 1/4"
	1-0	 DH1810AHTN 1' - 4 5/16" 1' - 5 3/8"	 DH2010AHTN 1' - 5 5/8" 1' - 6 1/4"	 DH2410AHTN 1' - 6 5/16" 1' - 6 15/16"	 DH2810AHTN 1' - 6 15/16" 1' - 7 5/8"	 DH3010AHTN 1' - 7 5/8" 1' - 8 1/4"	 DH3410AHTN 1' - 8 5/16" 1' - 8 15/16"	 DH4010AHTN 1' - 9 5/8" 1' - 10 1/4"	 DH5010AHTN 1' - 11 5/8" 2' - 0 1/4"	 DH6010AHTN 2' - 1 5/8" 2' - 2 1/4"
	1-2	 DH1812AHTN 1' - 6 15/16" 1' - 7 5/8"	 DH2012AHTN 1' - 7 5/8" 1' - 8 1/4"	 DH2412AHTN 1' - 8 5/16" 1' - 8 15/16"	 DH2812AHTN 1' - 8 15/16" 1' - 9 5/8"	 DH3012AHTN 1' - 9 5/8" 1' - 10 1/4"	 DH3412AHTN 1' - 10 5/16" 1' - 10 15/16"	 DH4012AHTN 1' - 11 5/8" 2' - 0 1/4"	 DH5012AHTN 2' - 1 5/8" 2' - 2 1/4"	 DH6012AHTN 2' - 3 5/8" 2' - 4 1/4"
	2-0	 DH1820AHTN 2' - 6 3/16" 2' - 6 13/16"	 DH2020AHTN 2' - 6 1/8" 2' - 7 1/2"	 DH2420AHTN 2' - 7 9/16" 2' - 8 3/16"	 DH2820AHTN 2' - 8 3/16" 2' - 8 13/16"	 DH3020AHTN 2' - 8 1/8" 2' - 9 1/2"	 DH3420AHTN 2' - 9 9/16" 2' - 10 3/16"	 DH4020AHTN 2' - 10 5/8" 2' - 11 1/2"	 DH5020AHTN 3' - 0 1/8" 3' - 1 1/2"	 DH6020AHTN 3' - 2 1/8" 3' - 3 1/2"
										

		Optional Renaissance Grille Pattern Widths						
		2' - 5 ³ / ₈ "	2' - 9 ³ / ₈ "	3' - 1 ³ / ₈ "	3' - 5 ³ / ₈ "	4' - 1 ³ / ₈ "	5' - 1 ³ / ₈ "	6' - 1 ³ / ₈ "
		2' - 6 ¹ / ₂ "	2' - 10 ¹ / ₂ "	3' - 2 ¹ / ₂ "	3' - 6 ¹ / ₂ "	4' - 2 ¹ / ₂ "	5' - 2 ¹ / ₂ "	6' - 2 ¹ / ₂ "
		2-4	2-8	3-0	3-4	4-0	5-0	6-0
Heights	Unit Dimension							
	Rough Opening							
	Grille Size							
	0-6	 DH2406AHTN 1' - 0 ⁵ / ₁₆ " 1' - 0 ¹⁵ / ₁₆ "	 DH2806AHTN 1' - 0 ¹⁵ / ₁₆ " 1' - 1 ³ / ₁₆ "	 DH3006AHTN 1' - 1 ⁵ / ₈ " 1' - 2 ¹ / ₄ "	 DH3406AHTN 1' - 2 ⁵ / ₁₆ " 1' - 2 ¹⁵ / ₁₆ "	 DH4006AHTN 1' - 3 ⁵ / ₈ " 1' - 4 ¹ / ₄ "	 DH5006AHTN 1' - 5 ⁵ / ₈ " 1' - 6 ¹ / ₄ "	 DH6006AHTN 1' - 7 ⁵ / ₈ " 1' - 8 ¹ / ₄ "
	0-10	 DH24010AHTN 1' - 4 ⁵ / ₁₆ " 1' - 4 ¹⁵ / ₁₆ "	 DH28010AHTN 1' - 4 ¹⁵ / ₁₆ " 1' - 5 ³ / ₁₆ "	 DH30010AHTN 1' - 5 ⁵ / ₈ " 1' - 6 ¹ / ₄ "	 DH34010AHTN 1' - 6 ⁵ / ₁₆ " 1' - 6 ¹⁵ / ₁₆ "	 DH40010AHTN 1' - 7 ⁵ / ₈ " 1' - 8 ¹ / ₄ "	 DH50010AHTN 1' - 9 ⁵ / ₈ " 1' - 10 ¹ / ₄ "	 DH60010AHTN 1' - 11 ⁵ / ₈ " 1' - 12 ¹ / ₄ "
	1-0	 DH2410AHTN 1' - 6 ⁵ / ₁₆ " 1' - 6 ¹⁵ / ₁₆ "	 DH2810AHTN 1' - 6 ¹⁵ / ₁₆ " 1' - 7 ³ / ₁₆ "	 DH3010AHTN 1' - 7 ⁵ / ₈ " 1' - 8 ¹ / ₄ "	 DH3410AHTN 1' - 8 ⁵ / ₁₆ " 1' - 8 ¹⁵ / ₁₆ "	 DH4010AHTN 1' - 9 ⁵ / ₈ " 1' - 10 ¹ / ₄ "	 DH5010AHTN 1' - 11 ⁵ / ₈ " 2' - 0 ¹ / ₄ "	 DH6010AHTN 2' - 1 ⁵ / ₈ " 2' - 2 ¹ / ₄ "
	1-2	 DH2412AHTN 1' - 8 ⁵ / ₁₆ " 1' - 8 ¹⁵ / ₁₆ "	 DH2812AHTN 1' - 8 ¹⁵ / ₁₆ " 1' - 9 ³ / ₁₆ "	 DH3012AHTN 1' - 9 ⁵ / ₈ " 1' - 10 ¹ / ₄ "	 DH3412AHTN 1' - 10 ⁵ / ₁₆ " 1' - 10 ¹⁵ / ₁₆ "	 DH4012AHTN 1' - 11 ⁵ / ₈ " 2' - 0 ¹ / ₄ "	 DH5012AHTN 2' - 1 ⁵ / ₈ " 2' - 2 ¹ / ₄ "	 DH6012AHTN 2' - 3 ⁵ / ₈ " 2' - 4 ¹ / ₄ "
	2-0	 DH2420AHTN 2' - 7 ⁹ / ₁₆ " 2' - 8 ³ / ₁₆ "	 DH2820AHTN 2' - 8 ³ / ₁₆ " 2' - 8 ¹³ / ₁₆ "	 DH3020AHTN 2' - 8 ⁹ / ₁₆ " 2' - 9 ¹ / ₂ "	 DH3420AHTN 2' - 9 ⁹ / ₁₆ " 2' - 10 ³ / ₁₆ "	 DH4020AHTN 2' - 10 ⁹ / ₁₆ " 2' - 11 ¹ / ₂ "	 DH5020AHTN 3' - 0 ⁹ / ₁₆ " 3' - 1 ¹ / ₂ "	 DH6020AHTN 3' - 2 ⁹ / ₁₆ " 3' - 3 ¹ / ₂ "
								

WHEN ORDERING ADD ONE OF THE FOLLOWING PREFIXES TO SPECIFY YOUR SELECTED PRODUCT: J40 = MW Pro 400 UL = MW Pro 300 WD = MW Pro 200

Standard Colonial Grille Pattern Widths

		4' – 2 ³ / ₄ "	4' – 10 ³ / ₄ "	5' – 6 ³ / ₄ "	6' – 2 ³ / ₄ "
		4' – 3 ⁷ / ₈ "	4' – 11 ⁷ / ₈ "	5' – 7 ⁷ / ₈ "	6' – 3 ⁷ / ₈ "
		2-0 Twin	2-4 Twin	2-8 Twin	3-0 Twin
Heights	Unit Dimension Rough Opening Coll Size				
	0-6	 DH2006-2AHTN 1' – 3 ⁷ / ₈ " 1' – 4 ¹ / ₂ "	 DH2406-2AHTN 1' – 5 ³ / ₁₆ " 1' – 5 ¹³ / ₁₆ "	 DH2806-2AHTN 1' – 6 ¹ / ₂ " 1' – 7 ¹ / ₈ "	 DH3006-2AHTN 1' – 7 ¹ / ₈ " 1' – 8 ¹ / ₂ "
	0-10	 DH2010-2AHTN 1' – 7 ¹ / ₈ " 1' – 8 ¹ / ₂ "	 DH2410-2AHTN 1' – 9 ³ / ₁₆ " 1' – 9 ¹³ / ₁₆ "	 DH2810-2AHTN 1' – 10 ¹ / ₂ " 1' – 11 ¹ / ₈ "	 DH3010-2AHTN 1' – 11 ¹ / ₈ " 2' – 0 ¹ / ₂ "
	1-0	 DH2010-2AHTN 1' – 9 ¹ / ₈ " 1' – 10 ¹ / ₂ "	 DH2410-2AHTN 1' – 11 ³ / ₁₆ " 1' – 11 ¹³ / ₁₆ "	 DH2810-2AHTN 2' – 0 ¹ / ₂ " 2' – 1 ¹ / ₈ "	 DH3010-2AHTN 2' – 1 ¹ / ₈ " 2' – 2 ¹ / ₂ "
	1-2	 DH2012-2AHTN 1' – 11 ¹ / ₈ " 2' – 0 ¹ / ₂ "	 DH2412-2AHTN 2' – 1 ³ / ₁₆ " 2' – 1 ¹³ / ₁₆ "	 DH2812-2AHTN 2' – 2 ¹ / ₂ " 2' – 3 ¹ / ₈ "	 DH3012-2AHTN 2' – 3 ¹ / ₈ " 2' – 4 ¹ / ₂ "
	2-0	 DH2020-2AHTN 2' – 11 ¹ / ₈ " 2' – 11 ³ / ₄ "	 DH2420-2AHTN 3' – 0 ⁷ / ₁₆ " 3' – 1 ¹ / ₈ "	 DH2820-2AHTN 3' – 1 ³ / ₄ " 3' – 2 ³ / ₈ "	 DH3020-2AHTN 3' – 3 ¹ / ₈ " 3' – 3 ³ / ₄ "
					

Optional Renaissance Grille Pattern
Widths

		4' – 2 3/4"	4' – 10 3/4"	5' – 6 3/4"	6' – 2 3/4"
		4' – 3 7/8"	4' – 11 7/8"	5' – 7 7/8"	6' – 3 7/8"
		2-0 Twin	2-4 Twin	2-8 Twin	3-0 Twin
Heights	Unit Dimension Rough Opening Call Size				
	0-6	 DH2006-2AHTN 1' – 3 7/8" 1' – 4 1/2"	 DH2406-2AHTN 1' – 5 3/16" 1' – 5 13/16"	 DH2806-2AHTN 1' – 6 1/2" 1' – 7 1/8"	 DH3006-2AHTN 1' – 7 7/8" 1' – 8 1/2"
	0-10	 DH2010-2AHTN 1' – 7 7/8" 1' – 8 1/2"	 DH2410-2AHTN 1' – 9 3/16" 1' – 9 13/16"	 DH2810-2AHTN 1' – 10 1/2" 1' – 11 1/8"	 DH3010-2AHTN 1' – 11 7/8" 2' – 0 1/2"
	1-0	 DH2010-2AHTN 1' – 9 7/8" 1' – 10 1/2"	 DH2410-2AHTN 1' – 11 3/16" 1' – 11 13/16"	 DH2810-2AHTN 2' – 0 1/2" 2' – 1 1/8"	 DH3010-2AHTN 2' – 1 7/8" 2' – 2 1/2"
	1-2	 DH2012-2AHTN 1' – 11 7/8" 2' – 0 1/2"	 DH2412-2AHTN 2' – 1 3/16" 2' – 1 13/16"	 DH2812-2AHTN 2' – 2 1/2" 2' – 3 1/8"	 DH3012-2AHTN 2' – 3 7/8" 2' – 4 1/2"
	2-0	 DH2020-2AHTN 2' – 11 1/8" 2' – 11 3/4"	 DH2420-2AHTN 3' – 0 7/16" 3' – 1 1/16"	 DH2820-2AHTN 3' – 1 3/4" 3' – 2 5/8"	 DH3020-2AHTN 3' – 3 1/8" 3' – 3 3/4"
					

WHEN ORDERING ADD ONE OF THE FOLLOWING PREFIXES TO SPECIFY YOUR SELECTED PRODUCT: J40 = MW Pro 400 UL = MW Pro 300 WD = MW Pro 200

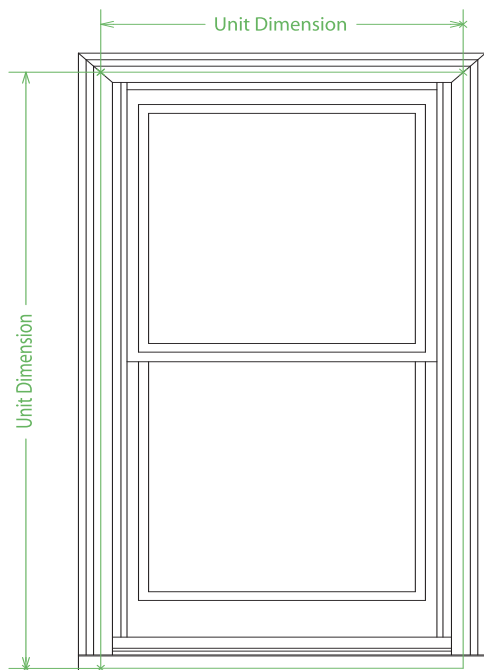
		Single Widths						
Heights	Unit Dimension Rough Opening Call Size	1'-9 3/8"	2'-1 3/8"	2'-5 3/8"	2'-9 3/8"	3'-1 3/8"	3'-5 3/8"	3'-9 3/8"
		1'-10 1/2"	2'-2 1/2"	2'-6 1/2"	2'-10 1/2"	3'-2 1/2"	3'-6 1/2"	3'-10 1/2"
		1-8	2-0	2-4	2-8	3-0	3-4	3-8 ‡
		0-11 3/8"	0-11 3/8"	0-11 3/8"	0-11 3/8"	0-11 3/8"	0-11 3/8"	0-11 3/8"
0-10	0-10	DH18010TN	DH20010TN	DH24010TN	DH28010TN	DH30010TN	DH34010TN	DH38010TN
1'-1 3/8"	1'-0	DH1810TN	DH2010TN	DH2410TN	DH2810TN	DH3010TN	DH3410TN	DH3810TN
1'-3 3/8"	1'-2	DH1812TN	DH2012TN	DH2412TN	DH2812TN	DH3012TN	DH3412TN	DH3812TN
1'-5 3/8"	2'-0	DH1820TN	DH2020TN	DH2420TN	DH2820TN	DH3020TN	DH3420TN	DH3820TN
2'-6 5/8"	2'-4	DH1824TN	DH2024TN	DH2424TN	DH2824TN	DH3024TN	DH3424TN	DH3824TN

‡ NOTE: 3-8 Widths Not Available in MW Pro 400 Series

		Twin Widths			
Heights	Unit Dimension Rough Opening Call Size	4'-2 3/4"	4'-10 3/4"	5'-6 3/4"	6'-2 3/4"
		4'-3 7/8"	4'-11 7/8"	5'-7 7/8"	6'-3 7/8"
		2-0 Twin	2-4 Twin	2-8 Twin	3-0 Twin
		0-11 3/8"	0-11 3/8"	0-11 3/8"	0-11 3/8"
0-10	0-10	DH20010-2TN	DH24010-2TN	DH28010-2TN	DH30010-2TN
1'-1 3/8"	1'-0	DH2010-2TN	DH2410-2TN	DH2810-2TN	DH3010-2TN
1'-3 3/8"	1'-2	DH2012-2TN	DH2412-2TN	DH2812-2TN	DH3012-2TN
1'-5 3/8"	2'-0	DH2020-2TN	DH2420-2TN	DH2820-2TN	DH3020-2TN
2'-6 5/8"	2'-4	DH2024-2TN	DH2424-2TN	DH2824-2TN	DH3024-2TN

		Picture Widths				
		3'-1 ³ / ₈ "	3'-5 ³ / ₈ "	4'-1 ³ / ₈ "	5'-1 ³ / ₈ "	6'-1 ³ / ₈ "
		3'-2 ¹ / ₂ "	3'-6 ¹ / ₂ "	4'-2 ¹ / ₂ "	5'-2 ¹ / ₂ "	6'-2 ¹ / ₂ "
		3-0 Picture	3-4 Picture	4-0 Picture	5-0 Picture	6-0 Picture
Heights	Unit Dimension					
	Rough Opening					
	Grid Size					
	0-11 ³ / ₈ "	 DH30010-PTN	 DH34010-PTN	 DH40010-PTN	 DH50010-PTN	 DH60010-PTN
	1'-1 ³ / ₈ "	 DH3010-PTN	 DH3410-PTN	 DH4010-PTN	 DH5010-PTN	 DH6010-PTN
	1'-3 ³ / ₈ "	 DH3012-PTN	 DH3412-PTN	 DH4012-PTN	 DH5012-PTN	 DH6012-PTN
	1'-3 ⁷ / ₈ "	 DH3020-PTN	 DH3420-PTN	 DH4020-PTN	 DH5020-PTN	 DH6020-PTN
	2'-2 ⁵ / ₈ "	 DH3024-PTN	 DH3424-PTN	 DH4024-PTN	 DH5024-PTN	 DH6024-PTN
	2'-3 ³ / ₈ "	 DH3024-PTN	 DH3424-PTN	 DH4024-PTN	 DH5024-PTN	 DH6024-PTN
	2'-7 ¹ / ₈ "	 DH3024-PTN	 DH3424-PTN	 DH4024-PTN	 DH5024-PTN	 DH6024-PTN

WHEN ORDERING ADD ONE OF THE FOLLOWING PREFIXES TO SPECIFY YOUR SELECTED PRODUCT: J40 = MW Pro 400 UL = MW Pro 300 WD = MW Pro 200



To calculate unit dimension on multiple units, add actual unit dimensions together.

Operating Units, WIDTH

CALL SIZE (WIDTH)	1-8	2-0	2-4	2-8	3-0	3-4	3-8
SINGLE	21 ³ / ₈	25 ³ / ₈	29 ³ / ₈	33 ³ / ₈	37 ³ / ₈	41 ³ / ₈	45 ³ / ₈
TWIN	42 ³ / ₄	50 ³ / ₄	58 ³ / ₄	66 ³ / ₄	74 ³ / ₄	82 ³ / ₄	90 ³ / ₄
TRIPLE	64 ¹ / ₈	76 ¹ / ₈	88 ¹ / ₈	100 ¹ / ₈	112 ¹ / ₈	N/A	N/A
FOUR WIDE	85 ¹ / ₂	101 ¹ / ₂	117 ¹ / ₂	N/A	N/A	N/A	N/A

Stationary Units, WIDTH

CALL SIZE (WIDTH)	1-0	1-2	1-4	1-8	2-0	2-4	2-8
SINGLE	13 ³ / ₈	15 ³ / ₈	17 ³ / ₈	21 ³ / ₈	25 ³ / ₈	29 ³ / ₈	33 ³ / ₈
TWIN	26 ³ / ₄	30 ³ / ₄	34 ³ / ₄	42 ³ / ₄	50 ³ / ₄	58 ³ / ₄	66 ³ / ₄
TRIPLE	40 ¹ / ₈	46 ¹ / ₈	52 ¹ / ₈	64 ¹ / ₈	76 ¹ / ₈	88 ¹ / ₈	100 ¹ / ₈

Stationary Units, WIDTH

CALL SIZE (WIDTH)	3-0	3-4	4-0	5-0	6-0
SINGLE	37 ³ / ₈	41 ³ / ₈	49 ³ / ₈	61 ³ / ₈	73 ³ / ₈
TWIN	74 ³ / ₄	82 ³ / ₄	98 ³ / ₄	N/A	N/A
TRIPLE	112 ¹ / ₈	N/A	N/A	N/A	N/A

Operating & Stationary Units, HEIGHT

CALL SIZE (HEIGHT)	HEIGHT IN INCHES
2-10	37
3-2	41
3-10	49
4-2	53
4-6	57
5-2	65
5-6C	69
5-6E	69
6-2	77

Transom Units, HEIGHT

CALL SIZE (HEIGHT)	HEIGHT IN INCHES
0-10	11 ³ / ₈
1-0	13 ³ / ₈
1-2	15 ³ / ₈
2-0	26 ⁵ / ₈
2-4	30 ⁵ / ₈

400 Series Double Hung – Net Clear & Daylight Opening Dimensions

Operating Units

Call Size	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
J40DH18210	18.063	13.375	1.68	3.0
32	18.063	15.375	1.93	3.4
310	18.063	19.375	2.43	4.3
42	18.063	21.375	2.68	4.7
46	18.063	23.375	2.93	5.2
52	18.063	27.375	3.43	6.0
56E	18.063	29.375	3.68	6.5
56C	18.063	23.375	2.93	6.5
62	18.063	33.375	4.19	7.3
J40DH20210	22.063	13.375	2.05	3.7
32	22.063	15.375	2.36	4.3
310	22.063	19.375	2.97	5.4
42	22.063	21.375	3.27	5.9
46	22.063	23.375	3.58	6.5
52	22.063	27.375	4.19	7.6
56E	22.063	29.375	4.50	8.1
56C	22.063	23.375	3.58	8.1
62	22.063	33.375	5.11	9.2
J40DH24210	26.063	13.375	2.42	4.5
32	26.063	15.375	2.78	5.2
310	26.063	19.375	3.51	6.5
42	26.063	21.375	3.87	7.1
46	26.063	23.375	4.23	7.8
52	26.063	27.375	4.95	9.1
56E	26.063	29.375	5.32	9.8
56C	26.063	23.375	4.23	9.8
62	26.063	33.375	6.04	11.1
J40DH28210	30.063	13.375	2.79	5.3
32	30.063	15.375	3.21	6.0
310	30.063	19.375	4.04	7.6
42	30.063	21.375	4.46	8.3
46	30.063	23.375	4.88	9.1
52	30.063	27.375	5.72	10.7
56E	30.063	29.375	6.13	11.4
56C	30.063	23.375	4.88	11.4
62	30.063	33.375	6.97	13.0
J40DH30210	34.063	13.375	3.16	6.0
32	34.063	15.375	3.64	6.9
310	34.063	19.375	4.58	8.7
42	34.063	21.375	5.06	9.5
46	34.063	23.375	5.53	10.4
52	34.063	27.375	6.48	12.2
56E	34.063	29.375	6.95	13.1
56C	34.063	23.375	5.53	13.1
62	34.063	33.375	7.89	14.8
J40DH34210	38.063	13.375	3.54	6.8
32	38.063	15.375	4.06	7.8
310	38.063	19.375	5.12	9.8
42	38.063	21.375	5.65	10.8
46	38.063	23.375	6.18	11.7
52	38.063	27.375	7.24	13.7
56E	38.063	29.375	7.76	14.7
56C	38.063	23.375	6.18	14.7
62	38.063	33.375	8.82	16.7

Stationary Units

Call Size	Daylight Opening S.F.	Call Size	Daylight Opening S.F.
J40DH18210P	3.3	J40DH34210P	7.4
32	3.8	32	8.4
310	4.7	310	10.4
42	5.2	42	11.4
46	5.6	46	12.4
52	6.5	52	14.5
56	7.0	56	15.5
62	7.9	62	17.5
J40DH20210P	4.1	J40DH40210P	9.0
32	4.7	32	10.2
310	5.8	310	12.7
42	6.4	42	13.9
46	7.0	46	15.1
52	8.1	52	17.6
56	8.7	56	18.9
62	9.8	62	21.3
J40DH24210P	4.9	J40DH50210P	11.4
32	5.6	32	13.0
310	7.0	310	16.1
42	7.7	42	17.7
46	8.3	46	19.2
52	9.7	52	22.4
56	10.4	56	23.9
62	11.7	62	27.1
J40DH28210P	5.7	J40DH60210P	13.8
32	6.5	32	15.7
310	8.1	310	19.5
42	8.9	42	21.4
46	9.7	46	23.3
52	11.3	52	27.1
56	12.1	56	29.0
62	13.7	62	32.8
J40DH30210P	6.6		
32	7.5		
310	9.3		
42	10.2		
46	11.1		
52	12.9		
56	13.8		
62	15.6		

NOTE: Units listed in **green** satisfy IRC egress requirements. Check with your local code official to confirm egress requirements in your area.

Operating Units

Call Size	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
ULDH18210	18.125	14.375	1.81	3.0
32	18.125	16.375	2.06	3.4
310	18.125	20.375	2.56	4.3
42	18.125	22.375	2.82	4.7
46	18.125	24.375	3.07	5.1
52	18.125	28.375	3.57	6.0
56E	18.125	30.375	3.82	6.4
56C	18.125	24.375	3.07	6.4
62	18.125	34.375	4.33	7.3
ULDH20210	22.125	14.375	2.21	3.7
32	22.125	16.375	2.52	4.3
310	22.125	20.375	3.13	5.3
42	22.125	22.375	3.44	5.9
46	22.125	24.375	3.75	6.4
52	22.125	28.375	4.36	7.5
56E	22.125	30.375	4.67	8.1
56C	22.125	24.375	3.75	8.1
62	22.125	34.375	5.28	9.2
ULDH24210	26.125	14.375	2.61	4.5
32	26.125	16.375	2.97	5.1
310	26.125	20.375	3.70	6.4
42	26.125	22.375	4.06	7.1
46	26.125	24.375	4.42	7.8
52	26.125	28.375	5.15	9.1
56E	26.125	30.375	5.51	9.7
56C	26.125	24.375	4.42	9.7
62	26.125	34.375	6.28	11.0
ULDH28210	30.125	14.375	3.01	5.2
32	30.125	16.375	3.43	6.0
310	30.125	20.375	4.26	7.5
42	30.125	22.375	4.68	8.3
46	30.125	24.375	5.10	9.1
52	30.125	28.375	5.94	10.6
56E	30.125	30.375	6.35	11.4
56C	30.125	24.375	5.10	11.4
62	30.125	34.375	7.19	12.9
ULDH30210	34.125	14.375	3.41	6.0
32	34.125	16.375	3.88	6.9
310	34.125	20.375	4.83	8.6
42	34.125	22.375	5.30	9.5
46	34.125	24.375	5.78	10.4
52	34.125	28.375	6.72	12.1
56E	34.125	30.375	7.20	13.0
56C	34.125	24.375	5.78	13.0
62	34.125	34.375	8.15	14.8
ULDH34210	38.125	14.375	3.81	6.7
32	38.125	16.375	4.34	7.7
310	38.125	20.375	5.39	9.7
42	38.125	22.375	5.92	10.7
46	38.125	24.375	6.45	11.7
52	38.125	28.375	7.51	13.7
56E	38.125	30.375	8.04	14.7
56C	38.125	24.375	6.45	14.7
62	38.125	34.375	9.10	16.6

Stationary Units

Call Size	Daylight Opening S.F.	Call Size	Daylight Opening S.F.
ULDH10210P	1.7	ULDH30210P	6.5
32	1.9	32	7.4
310	2.4	310	9.2
42	2.6	42	10.1
46	2.9	46	11.1
52	3.3	52	12.8
56	3.6	56	13.7
62	4.0	62	15.5
ULDH18210P	3.3	ULDH34210P	7.3
32	3.7	32	8.3
310	4.6	310	10.3
42	5.1	42	11.3
46	5.6	46	12.3
52	6.5	52	14.3
56	6.9	56	15.4
62	7.8	62	17.4
ULDH20210P	4.1	ULDH40210P	8.8
32	4.6	32	10.1
310	5.8	310	12.5
42	6.3	42	13.8
46	6.9	46	15.0
52	8.0	52	17.5
56	8.6	56	18.7
62	9.7	62	21.2
ULDH24210P	4.9	ULDH50210P	11.2
32	5.5	32	12.8
310	6.9	310	15.9
42	7.6	42	17.5
46	8.3	46	19.1
52	9.6	52	22.2
56	10.3	56	23.8
62	11.7	62	26.9
ULDH28210P	5.7	ULDH60210P	13.6
32	6.5	32	15.5
310	8.0	310	19.3
42	8.8	42	21.2
46	9.6	46	23.1
52	11.2	52	26.9
56	12.0	56	28.8
62	13.6	62	32.6

NOTE: Units listed in green satisfy IRC egress requirements. Check with your local code official to confirm egress requirements in your area.

Operating Units

Call Size	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
WDDH18210	17.750	14.625	1.80	3.0
32	17.750	16.625	2.05	3.4
310	17.750	20.625	2.54	4.3
42	14.778	22.625	2.79	4.7
46	17.750	24.625	3.04	5.2
52	17.750	28.625	3.53	6.0
56E	17.750	30.625	3.77	6.5
56C	17.750	24.625	3.04	6.5
62	17.750	34.625	4.27	7.3
WDDH20210	21.750	14.625	2.21	3.7
32	21.750	16.625	2.51	4.3
310	21.750	20.625	3.12	5.4
42	21.750	22.625	3.42	5.9
46	21.750	24.625	3.72	6.5
52	21.750	28.625	4.32	7.6
56E	21.750	30.625	4.63	8.1
56C	21.750	24.625	3.72	8.1
62	21.750	34.625	5.23	9.2
WDDH24210	25.750	14.625	2.62	4.5
32	25.750	16.625	2.97	5.2
310	25.750	20.625	3.69	6.5
42	25.750	22.625	4.05	7.1
46	25.750	24.625	4.40	7.8
52	25.750	28.625	5.12	9.1
56E	25.750	30.625	5.48	9.8
56C	25.750	24.625	4.40	9.8
62	25.750	34.625	6.19	11.1
WDDH28210	29.750	14.625	3.02	5.3
32	29.750	16.625	3.43	6.0
310	29.750	20.625	4.26	7.6
42	29.750	22.625	4.67	8.3
46	29.750	24.625	5.09	9.1
52	29.750	28.625	5.91	10.6
56E	29.750	30.625	6.33	11.4
56C	29.750	24.625	5.09	11.4
62	29.750	34.625	7.15	13.0
WDDH30210	33.750	14.625	3.43	6.0
32	33.750	16.625	3.90	6.9
310	33.750	20.625	4.83	8.7
42	33.750	22.625	5.30	9.5
46	33.750	24.625	5.77	10.4
52	33.750	28.625	6.71	12.2
56E	33.750	30.625	7.18	13.1
56C	33.750	24.625	5.77	13.1
62	33.750	34.625	8.12	14.8
WDDH34210	37.750	14.625	3.83	6.8
32	37.750	16.625	4.36	7.8
310	37.750	20.625	5.41	9.8
42	37.750	22.625	5.93	10.7
46	37.750	24.625	6.46	11.7
52	37.750	28.625	7.50	13.7
56E	37.750	30.625	8.03	14.7
56C	37.750	24.625	6.46	14.7
62	37.750	34.625	9.08	16.7

Call Size	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
WDDH38210	41.750	14.625	4.24	7.5
32	41.750	16.625	4.82	8.6
310	41.750	20.625	5.98	10.9
42	41.750	22.625	6.56	12.0
46	41.750	24.625	7.14	13.1
52	41.750	28.625	8.30	15.3

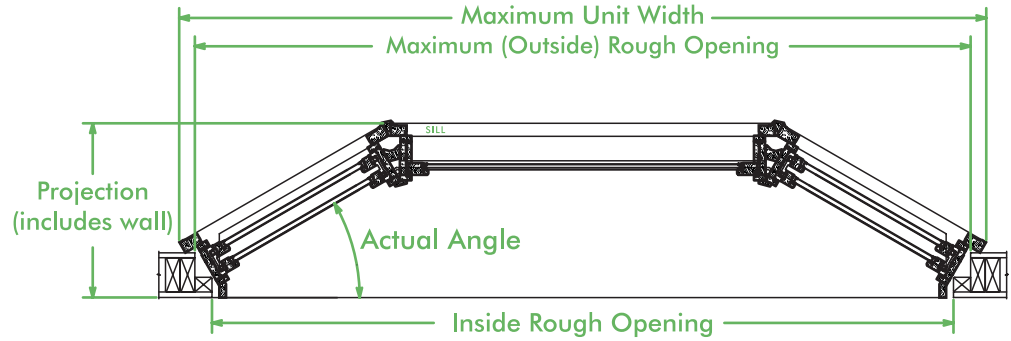
NOTE: Units listed in green satisfy IRC egress requirements. Check with your local code official to confirm egress requirements in your area.

Stationary Units

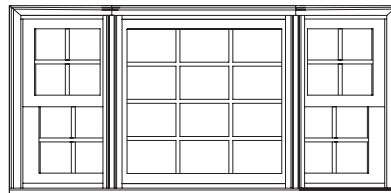
Call Size	Daylight Opening S.F.	Call Size	Daylight Opening S.F.
WDDH10210P	1.5	WDDH30210P	6.3
32	1.7	32	7.1
310	2.1	310	8.9
42	2.3	42	9.8
46	2.6	46	10.6
52	3.0	52	12.4
56	3.2	56	13.3
62	3.6	62	15.0
WDDH18210P	3.1	WDDH34210P	7.1
32	3.5	32	8.0
310	4.4	310	10.0
42	4.8	42	11.0
46	5.2	46	12.0
52	6.1	52	14.0
56	6.5	56	15.0
62	7.4	62	16.9
WDDH20210P	3.9	WDDH40210P	8.6
32	4.4	32	9.9
310	5.5	310	12.3
42	6.1	42	13.5
46	6.6	46	14.7
52	7.7	52	17.1
56	8.2	56	18.3
62	9.3	62	20.7
WDDH24210P	4.7	WDDH50210P	11.0
32	5.3	32	12.6
310	6.6	310	15.7
42	7.3	42	17.2
46	7.9	46	18.7
52	9.3	52	21.8
56	9.9	56	23.4
62	11.2	62	26.5
WDDH28210P	5.5	WDDH60210P	13.4
32	6.2	32	15.3
310	7.8	310	19.0
42	8.5	42	20.9
46	9.3	46	22.8
52	10.8	52	26.5
56	11.6	56	28.4
62	13.1	62	32.2

300 & 400 Double Hung – Bay Window Details

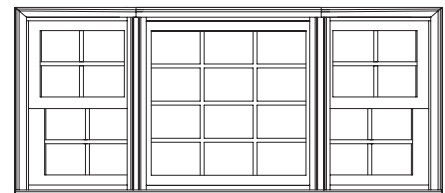
MW PRO SERIES 400, 300, 200



30° Angle Bay with 1-8 Flankers



30° Angle Bay with 2-0 Flankers



HEIGHTS

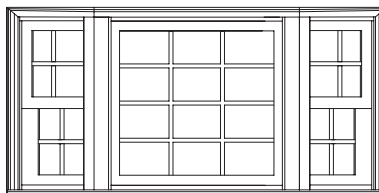
Call Size	Bay Unit	Inside Dimension	Rough Opening
2/10	37 ^{-3/4}	35 ^{-11/16}	38 ^{-1/4}
3/2	41 ^{-3/4}	39 ^{-11/16}	42 ^{-1/4}
3/10	49 ^{-3/4}	47 ^{-11/16}	50 ^{-1/4}
4/2	53 ^{-3/4}	51 ^{-11/16}	54 ^{-1/4}
4/6	57 ^{-3/4}	55 ^{-11/16}	58 ^{-1/4}
5/2	65 ^{-3/4}	63 ^{-11/16}	66 ^{-1/4}
5/6	69 ^{-3/4}	67 ^{-11/16}	70 ^{-1/4}
6/2	77 ^{-3/4}	75 ^{-11/16}	78 ^{-1/4}

Note: Projections include 4^{-9/16}" wall.

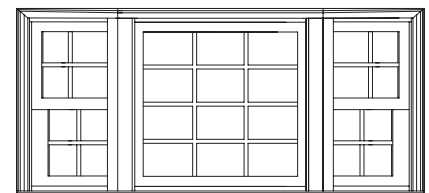
WIDTHS

Call Size	Max. Unit	Max. Ext. Rough Opening	Inside Rough Opening	Projection	Actual Angle
DH1830xx-30	82 ^{-17/32}	79 ^{-9/32}	75 ^{-25/32}	17 ^{-7/8}	30°
DH1834xx-30	86 ^{-17/32}	83 ^{-9/32}	79 ^{-25/32}	17 ^{-7/8}	30°
DH1840xx-30	94 ^{-17/32}	91 ^{-9/32}	87 ^{-25/32}	17 ^{-7/8}	30°
DH1850xx-30	106 ^{-17/32}	103 ^{-9/32}	99 ^{-25/32}	17 ^{-7/8}	30°
DH1860xx-30	118 ^{-17/32}	115 ^{-9/32}	111 ^{-25/32}	17 ^{-7/8}	30°
DH2030xx-30	89 ^{-13/32}	86 ^{-5/32}	82 ^{-21/32}	19 ^{-7/8}	30°
DH2034xx-30	93 ^{-13/32}	90 ^{-5/32}	86 ^{-21/32}	19 ^{-7/8}	30°
DH2040xx-30	101 ^{-13/32}	98 ^{-5/32}	94 ^{-21/32}	19 ^{-7/8}	30°
DH2050xx-30	113 ^{-13/32}	110 ^{-5/32}	106 ^{-21/32}	19 ^{-7/8}	30°

45° Angle Bay with 1-8 Flankers



45° Angle Bay with 2-0 Flankers



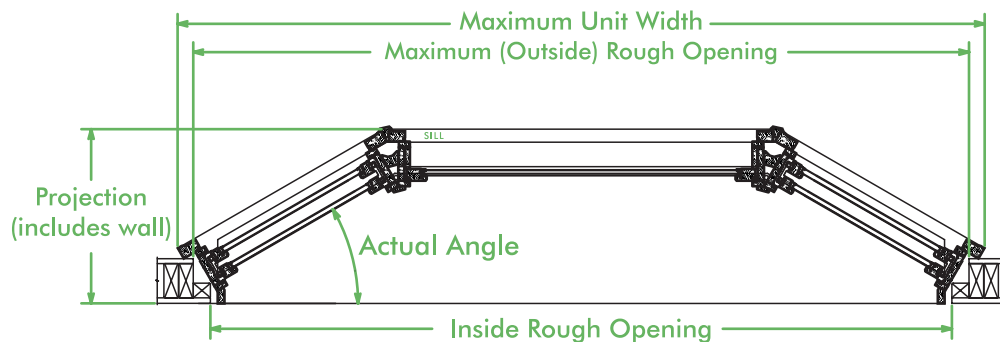
NOTE:

WHEN ORDERING ADD ONE OF THE FOLLOWING PREFIXES TO SPECIFY YOUR SELECTED PRODUCT:

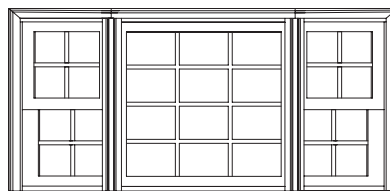
J40 = MW Pro 400
UL = MW Pro 300

WIDTHS

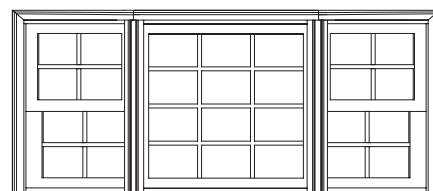
Call Size	Max. Unit	Max. Ext. Rough Opening	Inside Rough Opening	Projection	Actual Angle
DH1830xx-45	77 ^{-13/16}	73 ^{-5/8}	68 ^{-5/8}	23 ^{-5/16}	45°
DH1834xx-45	81 ^{-13/16}	77 ^{-5/8}	72 ^{-5/8}	23 ^{-5/16}	45°
DH1840xx-45	89 ^{-13/16}	85 ^{-5/8}	80 ^{-5/8}	23 ^{-5/16}	45°
DH1850xx-45	101 ^{-13/16}	97 ^{-5/8}	92 ^{-5/8}	23 ^{-5/16}	45°
DH1860xx-45	113 ^{-13/16}	109 ^{-5/8}	104 ^{-5/8}	23 ^{-5/16}	45°
DH2030xx-45	83 ^{-7/16}	79 ^{-1/4}	74 ^{-1/4}	26 ^{-1/8}	45°
DH2034xx-45	87 ^{-7/16}	83 ^{-1/4}	78 ^{-1/4}	26 ^{-1/8}	45°
DH2040xx-45	95 ^{-7/16}	91 ^{-1/4}	86 ^{-1/4}	26 ^{-1/8}	45°
DH2050xx-45	107 ^{-7/16}	103 ^{-1/4}	98 ^{-1/4}	26 ^{-1/8}	45°
DH2060xx-45	119 ^{-7/16}	115 ^{-1/4}	110 ^{-1/4}	26 ^{-1/8}	45°



30° Angle Bay with 1-8 Flankers



30° Angle Bay with 2-0 Flankers

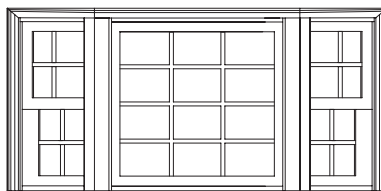


HEIGHTS			
Call Size	Bay Unit	Inside Dimension	Rough Opening
2/10	37 ^{-3/4}	35 ^{-9/16}	38 ^{-5/16}
3/2	41 ^{-3/4}	39 ^{-9/16}	42 ^{-5/16}
3/10	49 ^{-3/4}	47 ^{-9/16}	50 ^{-5/16}
4/2	53 ^{-3/4}	51 ^{-9/16}	54 ^{-5/16}
4/6	57 ^{-3/4}	55 ^{-9/16}	58 ^{-5/16}
5/2	65 ^{-3/4}	63 ^{-9/16}	66 ^{-5/16}
5/6	69 ^{-3/4}	67 ^{-9/16}	70 ^{-5/16}
6/2	77 ^{-3/4}	75 ^{-9/16}	78 ^{-5/16}

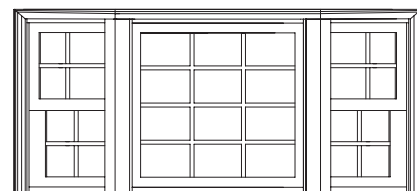
Note: Projections include 4^{-9/16}" wall.

WIDTHS					
Call Size	Max. Unit	Max. Ext. Rough Opening	Inside Rough Opening	Projection	Actual Angle
WDDH1830xx-30	82 ^{-7/16}	79 ^{-1/4}	75 ^{-3/4}	17 ^{-13/16}	30°
WDDH1834xx-30	86 ^{-7/16}	83 ^{-1/4}	79 ^{-3/4}	17 ^{-13/16}	30°
WDDH1840xx-30	94 ^{-7/16}	91 ^{-1/4}	87 ^{-3/4}	17 ^{-13/16}	30°
WDDH1850xx-30	106 ^{-7/16}	103 ^{-1/4}	99 ^{-3/4}	17 ^{-13/16}	30°
WDDH1860xx-30	118 ^{-7/16}	115 ^{-1/4}	111 ^{-3/4}	17 ^{-13/16}	30°
WDDH2030xx-30	89 ^{-3/8}	86 ^{-3/16}	82 ^{-11/16}	19 ^{-13/16}	30°
WDDH2034xx-30	93 ^{-3/8}	90 ^{-3/16}	86 ^{-11/16}	19 ^{-13/16}	30°
WDDH2040xx-30	101 ^{-3/8}	98 ^{-3/16}	94 ^{-11/16}	19 ^{-13/16}	30°
WDDH2050xx-30	113 ^{-3/8}	110 ^{-3/16}	106 ^{-11/16}	19 ^{-13/16}	30°

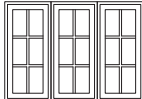
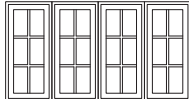
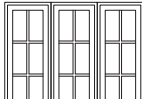
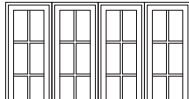
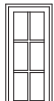
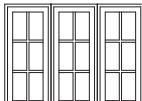
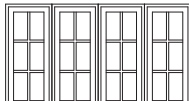
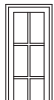
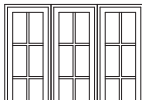
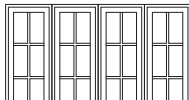
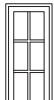
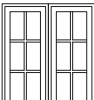
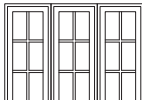
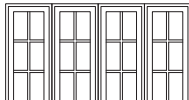
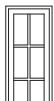
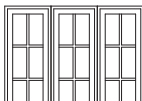
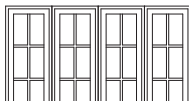
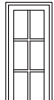
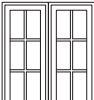
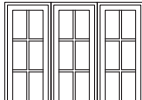
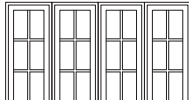
45° Angle Bay with 1-8 Flankers



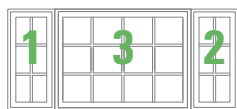
45° Angle Bay with 2-0 Flankers



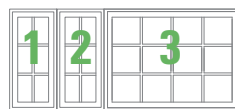
WIDTHS					
Call Size	Max. Unit	Max. Ext. Rough Opening	Inside Rough Opening	Projection	Actual Angle
WDDH1830xx-45	77 ^{-11/16}	73 ^{-5/8}	68 ^{-5/8}	23 ^{-1/4}	45°
WDDH1834xx-45	81 ^{-11/16}	77 ^{-5/8}	72 ^{-5/8}	23 ^{-1/4}	45°
WDDH1840xx-45	89 ^{-11/16}	85 ^{-5/8}	80 ^{-5/8}	23 ^{-1/4}	45°
WDDH1850xx-45	101 ^{-11/16}	97 ^{-5/8}	92 ^{-5/8}	23 ^{-1/4}	45°
WDDH1860xx-45	113 ^{-11/16}	109 ^{-5/8}	104 ^{-5/8}	23 ^{-1/4}	45°
WDDH2030xx-45	83 ^{-5/16}	79 ^{-1/4}	74 ^{-1/4}	26 ^{-1/8}	45°
WDDH2034xx-45	87 ^{-5/16}	83 ^{-1/4}	78 ^{-1/4}	26 ^{-1/8}	45°
WDDH2040xx-45	95 ^{-5/16}	91 ^{-1/4}	86 ^{-1/4}	26 ^{-1/8}	45°
WDDH2050xx-45	107 ^{-5/16}	103 ^{-1/4}	98 ^{-1/4}	26 ^{-1/8}	45°
WDDH2060xx-45	119 ^{-5/16}	115 ^{-1/4}	110 ^{-1/4}	26 ^{-1/8}	45°

		Widths			
Heights	Unit Dimension Rough Opening Coll Size	1' - 4 3/4"	2' - 9 1/2"	4' - 2 1/4"	5' - 7"
		1' - 5 3/4"	2' - 10 1/2"	4' - 3 1/4"	5' - 8"
		1-5	1-5 Twin	1-5 Triple	1-5 Quad
3' - 0"	3' - 0 15/16"	 WDCA1530	 WDCA1530-2	 WDCA1530-3	 WDCA1530-4
3' - 4 1/2"	3' - 5 7/8"	 WDCA1535	 WDCA1535-2	 WDCA1535-3	 WDCA1535-4
4' - 0 1/2"	4' - 1 7/8"	 WDCA1540	 WDCA1540-2	 WDCA1540-3	 WDCA1540-4
4' - 5"	4' - 5 15/16"	 WDCA1545	 WDCA1545-2	 WDCA1545-3	 WDCA1545-4
5' - 0"	5' - 0 15/16"	 WDCA1550	 WDCA1550-2	 WDCA1550-3	 WDCA1550-4
5' - 5"	5' - 5 15/16"	 WDCA1555	 WDCA1555-2	 WDCA1555-3	 WDCA1555-4
6' - 0"	6' - 0 15/16"	 WDCA1560	 WDCA1560-2	 WDCA1560-3	 WDCA1560-4

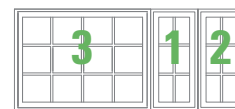
		Widths				
		5' – 9 1/2"	6' – 2"	6' – 10"	7' – 9 1/2"	8' – 9 1/2"
		5' – 10 1/2"	6' – 3"	6' – 11"	7' – 10 1/2"	8' – 10 1/2"
		1–5 Flankers with 3–0 Center	1–5 Flankers with 3–5 Center	1–5 Flankers with 4–0 Center	1–5 Flankers with 5–0 Center	1–5 Flankers with 6–0 Center
Heights	Unit Dimension Rough Opening Call Size					
	3' – 0"	3' – 0 5/8"	3' – 0"	3' – 0"	3' – 0"	3' – 0"
	3' – 4 1/2"	3' – 5 7/8"	3' – 4 1/2"	3' – 4 1/2"	3' – 4 1/2"	3' – 4 1/2"
	4' – 0 1/2"	4' – 1 7/8"	4' – 0 1/2"	4' – 0 1/2"	4' – 0 1/2"	4' – 0 1/2"
	4' – 5"	4' – 5 15/16"	4' – 5"	4' – 5"	4' – 5"	4' – 5"
	5' – 0"	5' – 0 15/16"	5' – 0"	5' – 0"	5' – 0"	5' – 0"
	5' – 5"	5' – 5 15/16"	5' – 5"	5' – 5"	5' – 5"	5' – 5"
	6' – 0"	6' – 0 15/16"	6' – 0"	6' – 0"	6' – 0"	6' – 0"
		WDCA1530/30	WDCA1530/35	WDCA1530/40	WDCA1530/50	WDCA1530/60
		WDCA1535/30	WDCA1535/35	WDCA1535/40	WDCA1535/50	WDCA1535/60
		WDCA1540/30	WDCA1540/35	WDCA1540/40	WDCA1540/50	WDCA1540/60
		WDCA1545/30	WDCA1545/35	WDCA1545/40	WDCA1545/50	WDCA1545/60
		WDCA1550/30	WDCA1550/35	WDCA1550/40	WDCA1550/50	WDCA1550/60
		WDCA1555/30	WDCA1555/35	WDCA1555/40	WDCA1555/50	WDCA1555/60
		WDCA1560/30	WDCA1560/35	WDCA1560/40	WDCA1560/50	WDCA1560/60



STYLE 2VB
(Shown Above)

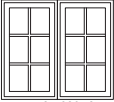
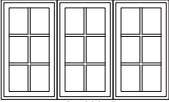
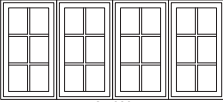
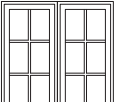
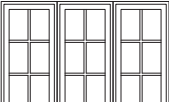
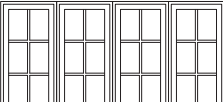
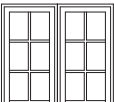
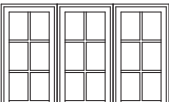
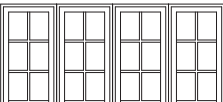
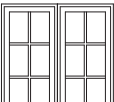
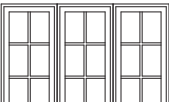
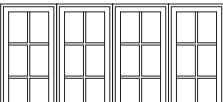
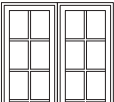
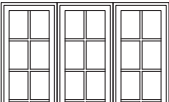
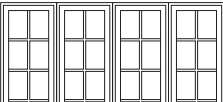
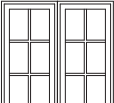
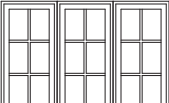
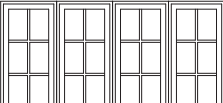
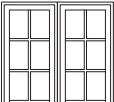
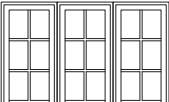
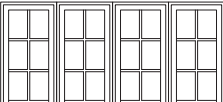


STYLE 2VL

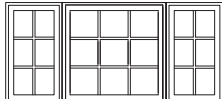
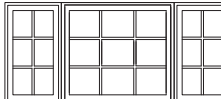
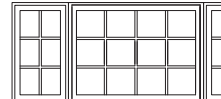
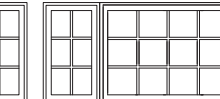
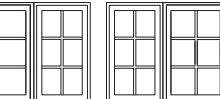
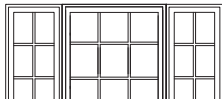
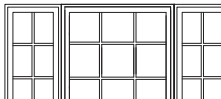
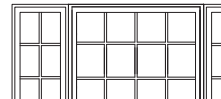
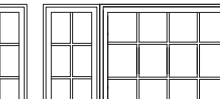
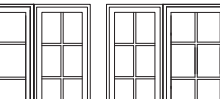
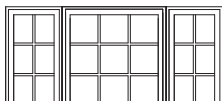
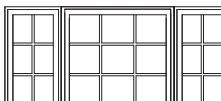
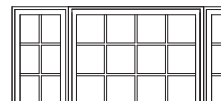
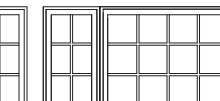
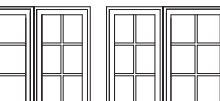
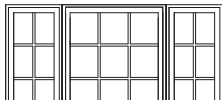
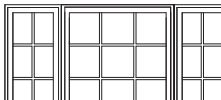
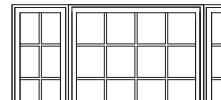
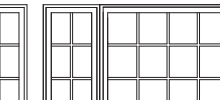
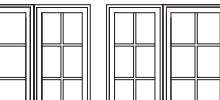
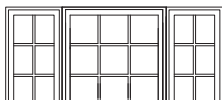
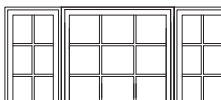
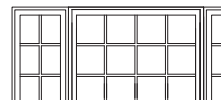
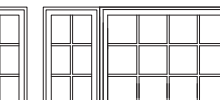
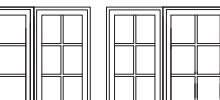
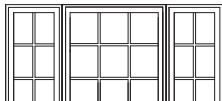
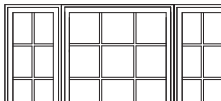
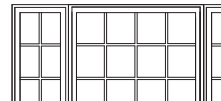
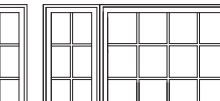
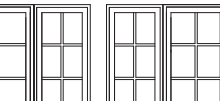
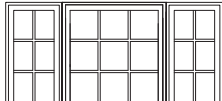
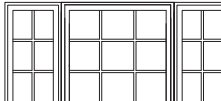
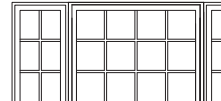
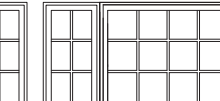
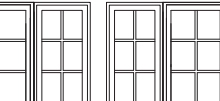


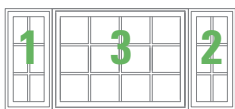
STYLE 2VR

Note: Viewed from exterior, Windows 1 and 2 are operating. Window 3 is stationary

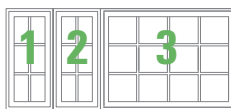
		Widths			
		1' – 8 1/4"	3' – 4 1/2"	5' – 0 3/4"	6' – 9"
		1' – 9 1/4"	3' – 5 1/2"	5' – 1 3/4"	6' – 10"
		1-8	1-8 Twin	1-8 Triple	1-8 Quad
Heights	Unit Dimension				
	Rough Opening				
	Call Size				
	3' – 0"	 WDCA1830	 WDCA1830-2	 WDCA1830-3	 WDCA1830-4
	3' – 4 1/8"	 WDCA1835	 WDCA1835-2	 WDCA1835-3	 WDCA1835-4
	4' – 0 1/2"	 WDCA1840	 WDCA1840-2	 WDCA1840-3	 WDCA1840-4
	4' – 5"	 WDCA1845	 WDCA1845-2	 WDCA1845-3	 WDCA1845-4
	5' – 0"	 WDCA1850	 WDCA1850-2	 WDCA1850-3	 WDCA1850-4
	5' – 5"	 WDCA1855	 WDCA1855-2	 WDCA1855-3	 WDCA1855-4
	6' – 0"	 WDCA1860	 WDCA1860-2	 WDCA1860-3	 WDCA1860-4

Widths

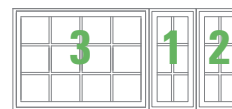
Unit Dimension		Rough Opening					
		6' – 4 1/2"	6' – 9"	7' – 5"	8' – 4 1/2"	9' – 4 1/2"	
Call Size		1–8 Flankers with 3–0 Center	1–8 Flankers with 3–5 Center	1–8 Flankers with 4–0 Center	1–8 Flankers with 5–0 Center	1–8 Flankers with 6–0 Center	
Heights	3' – 0"	3' – 0 15/16"	 WDCA1830/30	 WDCA1830/35	 WDCA1830/40	 WDCA1830/50	 WDCA1830/60
	3' – 4 1/2"	3' – 5 7/8"	 WDCA1835/30	 WDCA1835/35	 WDCA1835/40	 WDCA1835/50	 WDCA1835/60
	4' – 0 1/2"	4' – 1 7/8"	 WDCA1840/30	 WDCA1840/35	 WDCA1840/40	 WDCA1840/50	 WDCA1840/60
	4' – 5"	4' – 5 15/16"	 WDCA1845/30	 WDCA1845/35	 WDCA1845/40	 WDCA1845/50	 WDCA1845/60
	5' – 0"	5' – 0 15/16"	 WDCA1850/30	 WDCA1850/35	 WDCA1850/40	 WDCA1850/50	 WDCA1850/60
	5' – 5"	5' – 5 15/16"	 WDCA1855/30	 WDCA1855/35	 WDCA1855/40	 WDCA1855/50	 WDCA1855/60
	6' – 0"	6' – 0 15/16"	 WDCA1860/30	 WDCA1860/35	 WDCA1860/40	 WDCA1860/50	 WDCA1860/60



STYLE 2VB
(Shown Above)

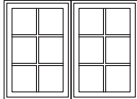
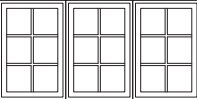
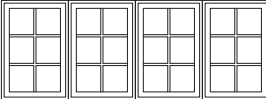
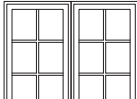
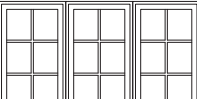
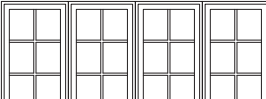
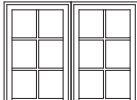
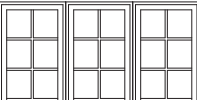
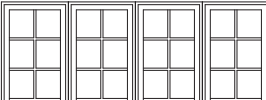
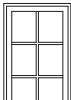
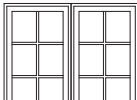
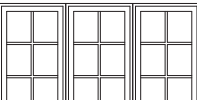
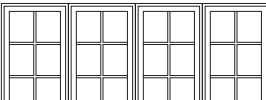
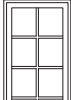
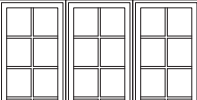
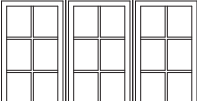
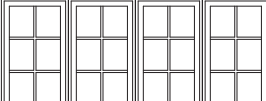
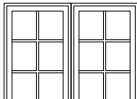
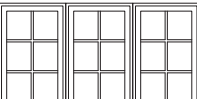
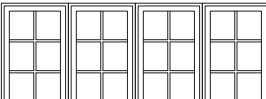


STYLE 2VL

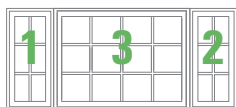


STYLE 2VR

Note: Viewed from exterior, Windows 1 and 2 are operating. Window 3 is stationary

		Widths			
		2'-0 1/4"	4'-0 1/2"	6'-0 3/4"	8'-1"
		2'-1 1/4"	4'-1 1/2"	6'-1 3/4"	8'-2"
		2-0	2-0 Twin	2-0 Triple	2-0 Quad
Heights	Unit Dimension				
	Rough Opening				
	Call Size				
	3'-0"	 WDCA2030	 WDCA2030-2	 WDCA2030-3	 WDCA2030-4
	3'-4 1/2"	 WDCA2035	 WDCA2035-2	 WDCA2035-3	 WDCA2035-4
	4'-0 1/2"	 WDCA2040	 WDCA2040-2	 WDCA2040-3	 WDCA2040-4
	4'-5"	 WDCA2045	 WDCA2045-2	 WDCA2045-3	 WDCA2045-4
	5'-0"	 WDCA2050	 WDCA2050-2	 WDCA2050-3	 WDCA2050-4
	5'-5"	 WDCA2055	 WDCA2055-2	 WDCA2055-3	 WDCA2055-4
	6'-0"	 WDCA2060	 WDCA2060-2	 WDCA2060-3	 WDCA2060-4

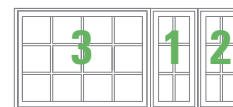
		Widths			
		7' – 0 1/2"	7' – 5"	8' – 1"	9' – 0 1/2"
		7' – 1 1/2"	7' – 6"	8' – 2"	9' – 1 1/2"
		2–0 Flankers with 3–0 Center	2–0 Flankers with 3–5 Center	2–0 Flankers with 4–0 Center	2–0 Flankers with 5–0 Center
Heights	Unit Dimension Rough Opening Call Size	3' – 0"	3' – 0 15/16"	3' – 0"	3' – 0"
	3' – 4 1/2"	3' – 5 7/16"	3' – 5"	3' – 5"	3' – 5"
	4' – 0 1/2"	4' – 1 7/16"	4' – 0"	4' – 0"	4' – 0"
	4' – 5"	4' – 5 5/16"	4' – 5"	4' – 5"	4' – 5"
	5' – 0"	5' – 0 15/16"	5' – 0"	5' – 0"	5' – 0"
	5' – 5"	5' – 5 15/16"	5' – 5"	5' – 5"	5' – 5"
	6' – 0"	6' – 0 15/16"	6' – 0"	6' – 0"	6' – 0"
		WDCA2030/30	WDCA2030/35	WDCA2030/40	WDCA2030/50
		WDCA2035/30	WDCA2035/35	WDCA2035/40	WDCA2035/50
		WDCA2040/30	WDCA2040/35	WDCA2040/40	WDCA2040/50
		WDCA2045/30	WDCA2045/35	WDCA2045/40	WDCA2045/50
		WDCA2050/30	WDCA2050/35	WDCA2050/40	WDCA2050/50
		WDCA2055/30	WDCA2055/35	WDCA2055/40	WDCA2055/50
		WDCA2060/30	WDCA2060/35	WDCA2060/40	WDCA2060/50



STYLE 2VB
(Shown Above)

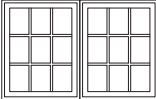
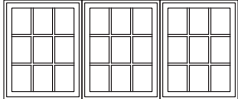
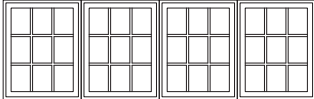
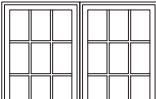
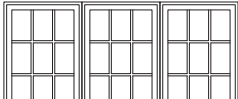
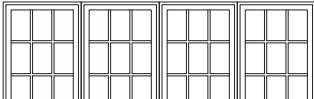
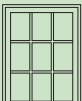
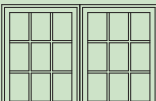
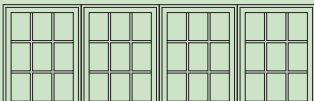
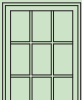
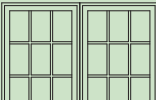
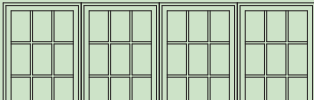
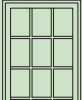
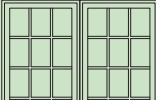
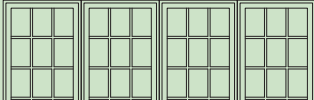
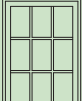
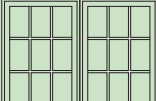
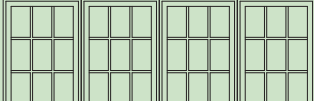
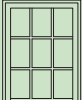


STYLE 2VL



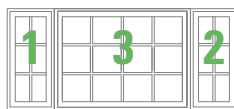
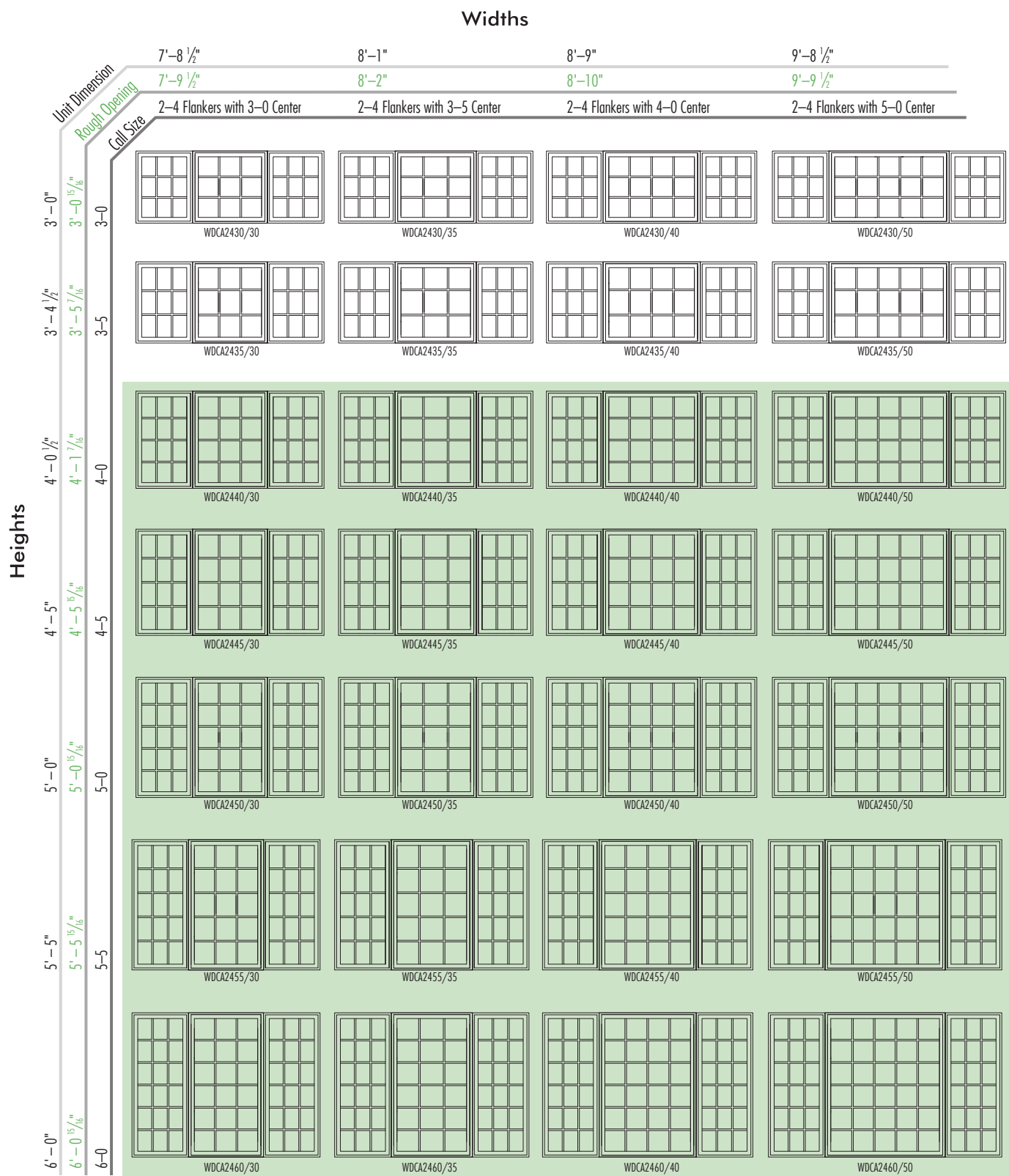
STYLE 2VR

Note: Viewed from exterior, Windows 1 and 2 are operating. Window 3 is stationary

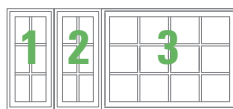
		Widths			
		2' – 4' ¹ / ₄ "	4' – 8' ¹ / ₂ "	7' – 0' ³ / ₄ "	9' – 5"
		2' – 5' ¹ / ₄ "	4' – 9' ¹ / ₂ "	7' – 1' ³ / ₄ "	9' – 6"
		2-4	2-4 Twin	2-4 Triple	2-4 Quad
Heights	Unit Dimension				
	Rough Opening				
	Call Size				
	3' – 0"	 WDCA2430	 WDCA2430-2	 WDCA2430-3	 WDCA2430-4
	3' – 4' ¹ / ₈ "	 WDCA2435	 WDCA2435-2	 WDCA2435-3	 WDCA2435-4
	4' – 0' ¹ / ₈ "	 WDCA2440	 WDCA2440-2	 WDCA2440-3	 WDCA2440-4
	4' – 5"	 WDCA2445	 WDCA2445-2	 WDCA2445-3	 WDCA2445-4
	5' – 0"	 WDCA2450	 WDCA2450-2	 WDCA2450-3	 WDCA2450-4
	5' – 5"	 WDCA2455	 WDCA2455-2	 WDCA2455-3	 WDCA2455-4
	6' – 0"	 WDCA2460	 WDCA2460-2	 WDCA2460-3	 WDCA2460-4

NOTE:

Shaded units satisfy IRC egress requirements. Check with your local code official to confirm egress requirements in your area.



STYLE 2VB
(Shown Above)



STYLE 2VL

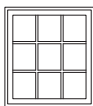
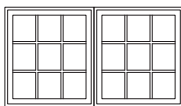
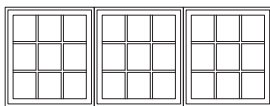
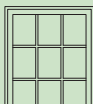
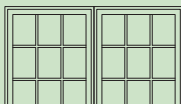
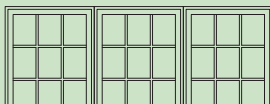
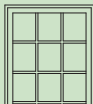
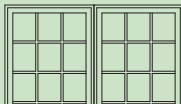
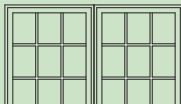
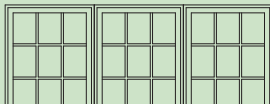
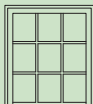
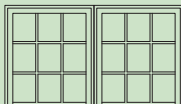
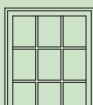
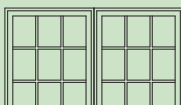
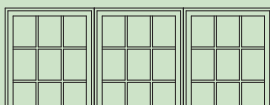
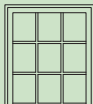
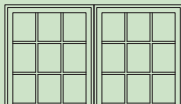
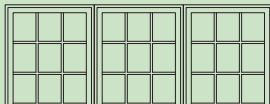


STYLE 2VR

NOTE:

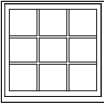
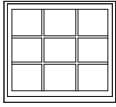
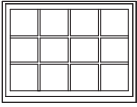
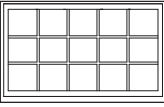
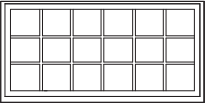
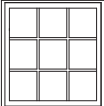
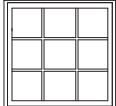
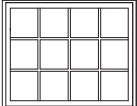
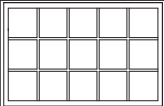
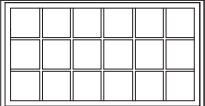
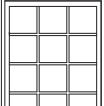
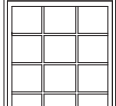
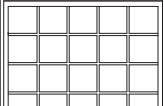
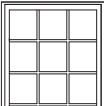
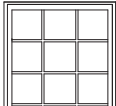
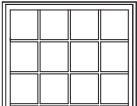
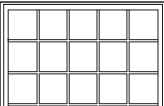
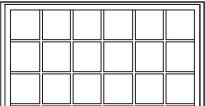
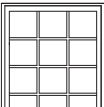
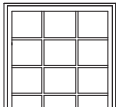
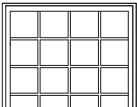
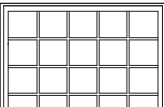
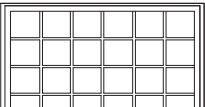
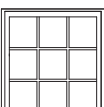
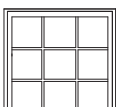
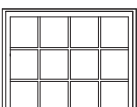
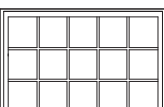
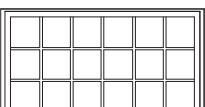
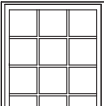
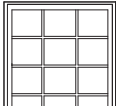
Shaded units satisfy IRC egress requirements. Check with your local code official to confirm egress requirements in your area.

Note: Viewed from exterior, Windows 1 and 2 are operating. Window 3 is stationary

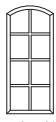
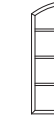
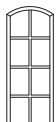
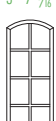
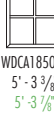
		Widths		
		2' – 8 ¼"	5' – 4 ½"	8' – 0 ¾"
		2' – 9 ¼"	5' – 5 ½"	8' – 1 ¾"
		2-8	2-8 Twin	2-8 Triple
Heights	Unit Dimension			
	Rough Opening			
	Cell Size			
	3' – 0"	 WDCA2830	 WDCA2830-2	 WDCA2830-3
	3' – 4 ½"	 WDCA2835	 WDCA2835-2	 WDCA2835-3
	4' – 0 ½"	 WDCA2840	 WDCA2840-2	 WDCA2840-3
	4' – 5"	 WDCA2845	 WDCA2845-2	 WDCA2845-3
	5' – 0"	 WDCA2850	 WDCA2850-2	 WDCA2850-3
	5' – 5"	 WDCA2855	 WDCA2855-2	 WDCA2855-3
	6' – 0"	 WDCA2860	 WDCA2860-2	 WDCA2860-3

NOTE:
Shaded units satisfy IRC egress requirements. Check with your local code official to confirm egress requirements in your area.

		Widths					
Heights	Unit Dimension Rough Opening Curb Size	1'-1 3/8"	1'-4 3/4"	1'-8 1/4"	2'-0 1/4"	2'-4 1/4"	2'-8 1/4"
		1'-2 3/8"	1'-5 3/4"	1'-9 1/4"	2'-1 1/4"	2'-5 1/4"	2'-9 1/4"
		1-0	1-5	1-8	2-0	2-4	2-8
3'-0"	3'-0 15/16"						
		WDCA1030P	WDCA1530P	WDCA1830P	WDCA2030P	WDCA2430P	WDCA2830P
3'-4 1/2"	3'-5 7/16"						
		WDCA1035P	WDCA1535P	WDCA1835P	WDCA2035P	WDCA2435P	WDCA2835P
4'-0 1/2"	4'-1 7/16"						
		WDCA1040P	WDCA1540P	WDCA1840P	WDCA2040P	WDCA2440P	WDCA2840P
4'-5"	4'-5 15/16"						
		WDCA1045P	WDCA1545P	WDCA1845P	WDCA2045P	WDCA2445P	WDCA2845P
5'-0"	5'-0 15/16"						
		WDCA1050P	WDCA1550P	WDCA1850P	WDCA2050P	WDCA2450P	WDCA2850P
5'-5"	5'-5 15/16"						
		WDCA1055P	WDCA1555P	WDCA1855P	WDCA2055P	WDCA2455P	WDCA2855P
6'-0"	6'-0 15/16"						
		WDCA1060P	WDCA1560P	WDCA1860P	WDCA2060P	WDCA2460P	WDCA2860P

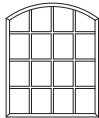
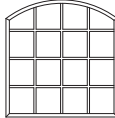
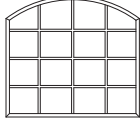
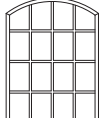
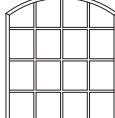
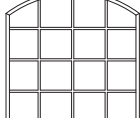
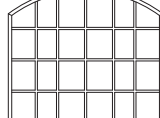
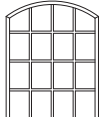
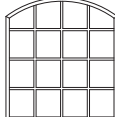
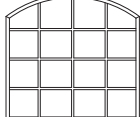
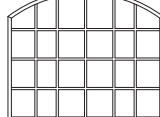
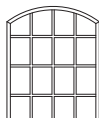
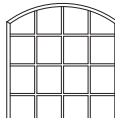
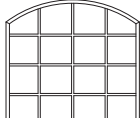
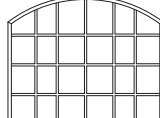
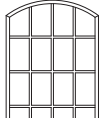
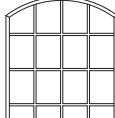
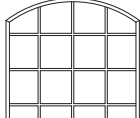
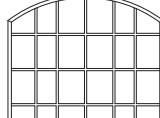
		Widths				
		3' - 0"	3' - 4 1/2"	4' - 0 1/2"	5' - 0"	6' - 0"
		3' - 1"	3' - 5 1/2"	4' - 1 1/2"	5' - 1"	6' - 1"
		3-0	3-5	4-0	5-0	6-0
Heights	Unit Dimension Rough Opening Call Size	 WDCA3030P	 WDCA3530P	 WDCA4030P	 WDCA5030P	 WDCA6030P
	3' - 0" 3' - 0 15/16"					
	3' - 4 1/2" 3' - 5 7/8"	 WDCA3035P	 WDCA3535P	 WDCA4035P	 WDCA5035P	 WDCA6035P
	4' - 0 1/2" 4' - 1 7/8"	 WDCA3040P	 WDCA3540P	 WDCA4040P	 WDCA5040P	 WDCA6040P
	4' - 5" 4' - 5 15/16"	 WDCA3045P	 WDCA3545P	 WDCA4045P	 WDCA5045P	 WDCA6045P
	5' - 0" 5' - 0 15/16"	 WDCA3050P	 WDCA3550P	 WDCA4050P	 WDCA5050P	 WDCA6050P
	5' - 5" 5' - 5 15/16"	 WDCA3055P	 WDCA3555P	 WDCA4055P	 WDCA5055P	 WDCA6055P
	6' - 0" 6' - 0 15/16"	 WDCA3060P	 WDCA3560P	 WDCA4060P	 WDCA5060P	 WDCA6060P

Standard Colonial Grille Pattern
Widths

Unit Dimension Rough Opening Call Size	Standard Colonial Grille Pattern Widths			
	1' - 4 ³ / ₄ "	1' - 8 ¹ / ₄ "	2' - 0 ¹ / ₄ "	2' - 4 ¹ / ₄ "
	1' - 5 ³ / ₄ "	1' - 9 ¹ / ₄ "	2' - 1 ¹ / ₄ "	2' - 5 ¹ / ₄ "
	1-5	1-8	2-0	2-4
Heights Unit height dimension is listed first under individual windows Rough Opening height dimension is listed second under individual windows	3-0  WDCA1530AH 3' - 2 ¹³ / ₁₆ " 3' - 3 ⁵ / ₁₆ "	3-0  WDCA1830AH 3' - 3 ³ / ₈ " 3' - 3 ⁷ / ₈ "	3-0  WDCA2030AH 3' - 4 ¹ / ₈ " 3' - 4 ⁵ / ₈ "	3-0  WDCA2430AH 3' - 4 ³ / ₄ " 3' - 5 ¹ / ₄ "
	3-5  WDCA1535AH 3' - 7 ⁵ / ₁₆ " 3' - 7 ⁹ / ₁₆ "	3-5  WDCA1835AH 3' - 7 ⁷ / ₈ " 3' - 8 ³ / ₈ "	3-5  WDCA2035AH 3' - 8 ⁹ / ₁₆ " 3' - 9 ¹ / ₈ "	3-5  WDCA2435AH 3' - 9 ¹ / ₄ " 3' - 9 ³ / ₄ "
	4-0  WDCA1540AH 4' - 3 ⁵ / ₁₆ " 4' - 3 ⁹ / ₁₆ "	4-0  WDCA1840AH 4' - 3 ⁷ / ₈ " 4' - 4 ³ / ₈ "	4-0  WDCA2040AH 4' - 4 ⁹ / ₁₆ " 4' - 5 ¹ / ₈ "	4-0  WDCA2440AH 4' - 5 ¹ / ₄ " 4' - 5 ³ / ₄ "
	5-0  WDCA1550AH 5' - 2 ¹³ / ₁₆ " 5' - 3 ⁵ / ₁₆ "	5-0  WDCA1850AH 5' - 3 ³ / ₈ " 5' - 3 ⁷ / ₈ "	5-0  WDCA2050AH 5' - 4 ¹ / ₈ " 5' - 4 ⁵ / ₈ "	5-0  WDCA2450AH 5' - 4 ³ / ₄ " 5' - 5 ¹ / ₄ "
	6-0  WDCA1560AH 6' - 2 ¹³ / ₁₆ " 6' - 3 ⁵ / ₁₆ "	6-0  WDCA1860AH 6' - 3 ³ / ₈ " 6' - 3 ⁷ / ₈ "	6-0  WDCA2060AH 6' - 4 ¹ / ₈ " 6' - 4 ⁵ / ₈ "	6-0  WDCA2460AH 6' - 4 ³ / ₄ " 6' - 5 ¹ / ₄ "

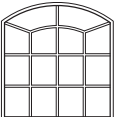
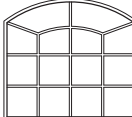
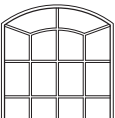
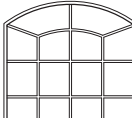
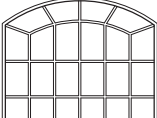
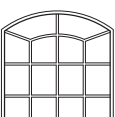
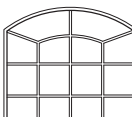
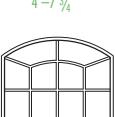
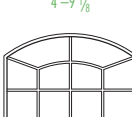
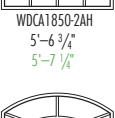
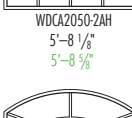
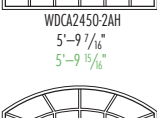
Optional Renaissance Grille Pattern
Widths

Unit Dimension Rough Opening Call Size	Optional Renaissance Grille Pattern Widths	
	2' - 4 ¹ / ₄ "	
	2' - 5 ¹ / ₄ "	
	2-4	
Heights Unit height dimension is listed first under individual windows Rough Opening height dimension is listed second under individual windows	3-0  WDCA2430AH 3' - 4 ³ / ₄ " 3' - 5 ¹ / ₄ "	
	3-5  WDCA2435AH 3' - 9 ¹ / ₄ " 3' - 9 ³ / ₄ "	
	4-0  WDCA2440AH 4' - 5 ¹ / ₄ " 4' - 5 ³ / ₄ "	
	5-0  WDCA2450AH 5' - 4 ³ / ₄ " 5' - 5 ¹ / ₄ "	
	6-0  WDCA2460AH 6' - 4 ³ / ₄ " 6' - 5 ¹ / ₄ "	

		Standard Colonial Grille Pattern Widths			
		2' – 9 1/2"	3' – 4 1/2"	4' – 0 1/2"	4' – 8 1/2"
		2' – 10 1/2"	3' – 5 1/2"	4' – 1 1/2"	4' – 9 1/2"
		1–5 Twin	1–8 Twin	2–0 Twin	2–4 Twin
Heights	Unit Dimension Rough Opening Call Size				
	3–0	 WDCA1530-2AH 3'–5 7/16" 3'–6 1/16"	 WDCA1830-2AH 3'–6 3/4" 3'–7 1/4"	 WDCA2030-2AH 3'–8 1/8" 3'–8 3/8"	 WDCA2430-2AH 3'–9 7/16" 3'–9 15/16"
	3–5	 WDCA1535-2AH 3'–10 1/8" 3'–10 3/8"	 WDCA1835-2AH 3'–11 1/4" 3'–11 3/4"	 WDCA2035-2AH 4'–0 5/8" 4'–1 1/8"	 WDCA2435-2AH 4'–1 15/16" 4'–2 1/16"
	4–0	 WDCA1540-2AH 4'–6 1/8" 4'–6 3/8"	 WDCA1840-2AH 4'–7 1/4" 4'–7 3/4"	 WDCA2040-2AH 4'–8 5/8" 4'–9 1/8"	 WDCA2440-2AH 4'–9 15/16" 4'–10 7/16"
	5–0	 WDCA1550-2AH 5'–5 7/16" 5'–6 1/16"	 WDCA1850-2AH 5'–6 3/4" 5'–7 1/4"	 WDCA2050-2AH 5'–8 1/8" 5'–8 3/8"	 WDCA2450-2AH 5'–9 1/16" 5'–9 15/16"
	6–0	 WDCA1560-2AH 6'–5 7/16" 6'–6 1/16"	 WDCA1860-2AH 6'–6 3/4" 6'–7 1/4"	 WDCA2060-2AH 6'–8 1/8" 6'–8 3/8"	 WDCA2460-2AH 6'–9 7/16" 6'–9 15/16"

Unit height dimension is listed first under individual windows

Rough Opening height dimension is listed second under individual windows

		Optional Renaissance Grille Pattern Widths		
Heights	Unit Dimension	3' – 4 1/2"	4' – 0 1/2"	4' – 8 1/2"
	Rough Opening	3' – 5 1/2"	4' – 1 1/2"	4' – 9 1/2"
	Call Size	1-8 Twin	2-0 Twin	2-4 Twin
	3-0	 WDCA1830-2AH 3' – 6 3/4" 3' – 7 1/4"	 WDCA2030-2AH 3' – 8 1/8" 3' – 8 5/8"	 WDCA2430-2AH 3' – 9 1/16" 3' – 9 15/16"
	3-5	 WDCA1835-2AH 3' – 11 1/4" 3' – 11 3/4"	 WDCA2035-2AH 4' – 0 5/8" 4' – 1 1/8"	 WDCA2435-2AH 4' – 1 15/16" 4' – 2 1/16"
	4-0	 WDCA1840-2AH 4' – 7 1/4" 4' – 7 3/4"	 WDCA2040-2AH 4' – 8 5/8" 4' – 9 1/8"	 WDCA2440-2AH 4' – 9 15/16" 4' – 10 1/16"
	5-0	 WDCA1850-2AH 5' – 6 3/4" 5' – 7 1/4"	 WDCA2050-2AH 5' – 8 1/8" 5' – 8 5/8"	 WDCA2450-2AH 5' – 9 1/16" 5' – 9 15/16"
	6-0	 WDCA1860-2AH 6' – 6 3/4" 6' – 7 1/4"	 WDCA2060-2AH 6' – 8 1/8" 6' – 8 5/8"	 WDCA2460-2AH 6' – 9 1/16" 6' – 9 15/16"

Unit height dimension is listed first under individual windows

Rough Opening height dimension is listed second under individual windows

Standard Colonial Grille Pattern Widths

		1' – 4 3/4"	1' – 8 1/4"	2' – 0 1/4"	2' – 4 1/4"	2' – 8 1/4"	3' – 0"	3' – 4 1/2"	4' – 0 1/2"	5' – 0"	6' – 0"
		1' – 5 3/4"	1' – 9 1/4"	2' – 1 1/4"	2' – 5 1/4"	2' – 9 1/4"	3' – 1"	3' – 5 1/2"	4' – 1 1/2"	5' – 1"	6' – 1"
		1-5	1-8	2-0	2-4	2-8	3-0	3-5	4-0	5-0	6-0
Heights	Unit Dimension Rough Opening Curt Size										
	0-6	 WDCA1506AHTN 0' – 10 3/16" 0' – 10 11/16"	 WDCA1806AHTN 0' – 10 3/4" 0' – 11 1/4"	 WDCA2006AHTN 0' – 11 1/16" 0' – 11 15/16"	 WDCA2406AHTN 1' – 0 1/8" 1' – 0 3/8"	 WDCA2806AHTN 1' – 0 3/4" 1' – 1 1/4"	 WDCA3006AHTN 1' – 1 3/8" 1' – 1 7/8"	 WDCA3506AHTN 1' – 2 1/8" 1' – 2 5/8"	 WDCA4006AHTN 1' – 3 1/2" 1' – 4"	 WDCA5006AHTN 1' – 5 3/8" 1' – 5 7/8"	 WDCA6006AHTN 1' – 7 3/8" 1' – 7 7/8"
	0-10	 WDCA15010AHTN 1' – 2 3/16" 1' – 2 11/16"	 WDCA18010AHTN 1' – 2 3/4" 1' – 3 1/4"	 WDCA20010AHTN 1' – 3 7/16" 1' – 3 15/16"	 WDCA24010AHTN 1' – 4 1/8" 1' – 4 5/8"	 WDCA28010AHTN 1' – 4 3/4" 1' – 5 1/4"	 WDCA30010AHTN 1' – 5 3/8" 1' – 5 7/8"	 WDCA35010AHTN 1' – 6 1/8" 1' – 6 5/8"	 WDCA40010AHTN 1' – 7 1/2" 1' – 8"	 WDCA50010AHTN 1' – 9 3/8" 1' – 9 7/8"	 WDCA60010AHTN 1' – 11 3/8" 1' – 11 7/8"
	1-0	 WDCA1510AHTN 1' – 4 3/16" 1' – 4 11/16"	 WDCA1810AHTN 1' – 4 3/4" 1' – 5 1/4"	 WDCA2010AHTN 1' – 5 7/16" 1' – 5 15/16"	 WDCA2410AHTN 1' – 6 1/8" 1' – 6 5/8"	 WDCA2810AHTN 1' – 6 3/4" 1' – 7 1/4"	 WDCA3010AHTN 1' – 7 3/8" 1' – 7 7/8"	 WDCA3510AHTN 1' – 8 1/8" 1' – 8 5/8"	 WDCA4010AHTN 1' – 9 1/2" 1' – 10"	 WDCA5010AHTN 1' – 11 3/8" 1' – 11 7/8"	 WDCA6010AHTN 2' – 1 3/8" 2' – 1 7/8"
	1-2	 WDCA1512AHTN 1' – 6 3/16" 1' – 6 11/16"	 WDCA1812AHTN 1' – 6 3/4" 1' – 7 1/4"	 WDCA2012AHTN 1' – 7 7/16" 1' – 7 15/16"	 WDCA2412AHTN 1' – 8 1/8" 1' – 8 5/8"	 WDCA2812AHTN 1' – 8 3/4" 1' – 9 1/4"	 WDCA3012AHTN 1' – 9 3/8" 1' – 9 7/8"	 WDCA3512AHTN 1' – 10 1/8" 1' – 10 5/8"	 WDCA4012AHTN 1' – 11 1/2" 2' – 0"	 WDCA5012AHTN 2' – 1 3/8" 2' – 1 7/8"	 WDCA6012AHTN 2' – 3 3/8" 2' – 3 7/8"
	2-0	 WDCA1520AHTN 2' – 4 7/16" 2' – 4 15/16"	 WDCA1820AHTN 2' – 5" 2' – 5 1/2"	 WDCA2020AHTN 2' – 5 11/16" 2' – 6 3/16"	 WDCA2420AHTN 2' – 6 3/8" 2' – 6 7/8"	 WDCA2820AHTN 2' – 7" 2' – 7 1/2"	 WDCA3020AHTN 2' – 7 5/8" 2' – 8 1/8"	 WDCA3520AHTN 2' – 8 3/8" 2' – 8 7/8"	 WDCA4020AHTN 2' – 9 3/4" 2' – 10 1/4"	 WDCA5020AHTN 2' – 11 3/8" 3' – 0 1/8"	 WDCA6020AHTN 3' – 1 5/8" 3' – 2 1/8"
											

Optional Renaissance Grille Pattern
Widths

		2' – 4 1/4"	2' – 8 1/4"	3' – 0"	3' – 4 1/2"	4' – 0 1/2"	5' – 0"	6' – 0"
		2' – 5 1/4"	2' – 9 1/4"	3' – 1"	3' – 5 1/2"	4' – 1 1/2"	5' – 1"	6' – 1"
		2-4	2-8	3-0	3-5	4-0	5-0	6-0
Heights	Unit Dimension							
	Rough Opening							
	Call Size							
	0-6	 WDCA2406AHTN 1' – 0 1/8" 1' – 0 3/8"	 WDCA2806AHTN 1' – 0 3/4" 1' – 1 1/4"	 WDCA3006AHTN 1' – 1 3/8" 1' – 1 7/8"	 WDCA3506AHTN 1' – 2 1/8" 1' – 2 5/8"	 WDCA4006AHTN 1' – 3 1/2" 1' – 4"	 WDCA5006AHTN 1' – 5 3/8" 1' – 5 7/8"	 WDCA6006AHTN 1' – 7 3/8" 1' – 7 7/8"
	0-10	 WDCA24010AHTN 1' – 4 1/8" 1' – 4 5/8"	 WDCA28010AHTN 1' – 4 3/4" 1' – 5 1/4"	 WDCA30010AHTN 1' – 5 3/8" 1' – 5 7/8"	 WDCA35010AHTN 1' – 6 1/8" 1' – 6 5/8"	 WDCA40010AHTN 1' – 7 1/2" 1' – 8"	 WDCA50010AHTN 1' – 9 3/8" 1' – 9 7/8"	 WDCA60010AHTN 1' – 11 3/8" 1' – 11 7/8"
	1-0	 WDCA2410AHTN 1' – 6 1/8" 1' – 6 5/8"	 WDCA2810AHTN 1' – 6 3/4" 1' – 7 1/4"	 WDCA3010AHTN 1' – 7 3/8" 1' – 7 7/8"	 WDCA3510AHTN 1' – 8 1/8" 1' – 8 5/8"	 WDCA4010AHTN 1' – 9 1/2" 1' – 10"	 WDCA5010AHTN 1' – 11 3/8" 1' – 11 7/8"	 WDCA6010AHTN 2' – 1 3/8" 2' – 1 7/8"
	1-2	 WDCA2412AHTN 1' – 8 1/8" 1' – 8 5/8"	 WDCA2812AHTN 1' – 8 3/4" 1' – 9 1/4"	 WDCA3012AHTN 1' – 9 3/8" 1' – 9 7/8"	 WDCA3512AHTN 1' – 10 1/8" 1' – 10 5/8"	 WDCA4012AHTN 1' – 11 1/2" 2' – 0"	 WDCA5012AHTN 2' – 1 3/8" 2' – 1 7/8"	 WDCA6012AHTN 2' – 3 3/8" 2' – 3 7/8"
	2-0	 WDCA2420AHTN 2' – 6 3/8" 2' – 6 7/8"	 WDCA2820AHTN 2' – 7" 2' – 7 1/2"	 WDCA3020AHTN 2' – 7 5/8" 2' – 8 1/8"	 WDCA3520AHTN 2' – 8 3/8" 2' – 8 7/8"	 WDCA4020AHTN 2' – 9 3/4" 2' – 10 1/4"	 WDCA5020AHTN 2' – 11 5/8" 3' – 0 1/8"	 WDCA6020AHTN 3' – 1 5/8" 3' – 2 1/8"
								

Standard Colonial Grille Pattern Widths

Optional Renaissance Grille Pattern Widths

Unit Dimension
Rough Opening
Call Size

Heights
Unit height dimension is listed first under individual windows
Rough Opening height dimension is listed second under individual windows

Unit Dimension	2' - 9 1/2"	3' - 4 1/2"	4' - 0 1/2"	4' - 8 1/2"
0-6	WDCA1506-2AHTN 1' - 0 15/16" 1' - 1 1/8"	WDCA1806-2AHTN 1' - 2 1/8" 1' - 2 5/8"	WDCA2006-2AHTN 1' - 3 1/2" 1' - 4"	WDCA2406-2AHTN 1' - 4 15/16" 1' - 5 3/8"
0-10	WDCA15010-2AHTN 1' - 4 15/16" 1' - 5 7/8"	WDCA18010-2AHTN 1' - 6 1/8" 1' - 6 5/8"	WDCA20010-2AHTN 1' - 7 1/2" 1' - 8"	WDCA24010-2AHTN 1' - 8 15/16" 1' - 9 3/8"
1-0	WDCA1510-2AHTN 1' - 6 15/16" 1' - 7 7/8"	WDCA1810-2AHTN 1' - 8 1/8" 1' - 8 5/8"	WDCA2010-2AHTN 1' - 9 1/2" 1' - 10"	WDCA2410-2AHTN 1' - 10 15/16" 1' - 11 3/8"
1-2	WDCA1512-2AHTN 1' - 8 15/16" 1' - 9 7/8"	WDCA1812-2AHTN 1' - 10 1/8" 1' - 10 5/8"	WDCA2012-2AHTN 1' - 11 1/2" 2' - 0"	WDCA2412-2AHTN 2' - 0 15/16" 2' - 1 3/8"
2-0	WDCA1520-2AHTN 2' - 7 3/8" 2' - 7 11/16"	WDCA1820-2AHTN 2' - 8 3/8" 2' - 8 7/8"	WDCA2020-2AHTN 2' - 9 3/4" 2' - 10 1/4"	WDCA2420-2AHTN 2' - 11 1/16" 2' - 11 5/8"

Unit Dimension
Rough Opening
Call Size

Heights
Unit height dimension is listed first under individual windows
Rough Opening height dimension is listed second under individual windows

Unit Dimension	3' - 4 1/2"	4' - 0 1/2"	4' - 8 1/2"
0-6	WDCA1806-2AHTN 1' - 2 1/8" 1' - 2 5/8"	WDCA2006-2AHTN 1' - 3 1/2" 1' - 4"	WDCA2406-2AHTN 1' - 4 15/16" 1' - 5 3/8"
0-10	WDCA18010-2AHTN 1' - 6 1/8" 1' - 6 5/8"	WDCA20010-2AHTN 1' - 7 1/2" 1' - 8"	WDCA24010-2AHTN 1' - 8 15/16" 1' - 9 3/8"
1-0	WDCA1810-2AHTN 1' - 8 1/8" 1' - 8 5/8"	WDCA2010-2AHTN 1' - 9 1/2" 1' - 10"	WDCA2410-2AHTN 1' - 10 15/16" 1' - 11 3/8"
1-2	WDCA1812-2AHTN 1' - 10 1/8" 1' - 10 5/8"	WDCA2012-2AHTN 1' - 11 1/2" 2' - 0"	WDCA2412-2AHTN 2' - 0 15/16" 2' - 1 3/8"
2-0	WDCA1820-2AHTN 2' - 8 3/8" 2' - 8 7/8"	WDCA2020-2AHTN 2' - 9 3/4" 2' - 10 1/4"	WDCA2420-2AHTN 2' - 11 1/16" 2' - 11 5/8"

Picture Widths

Unit Dimension
Rough Opening
Call Size

Heights
Unit height dimension is listed first under individual windows
Rough Opening height dimension is listed second under individual windows

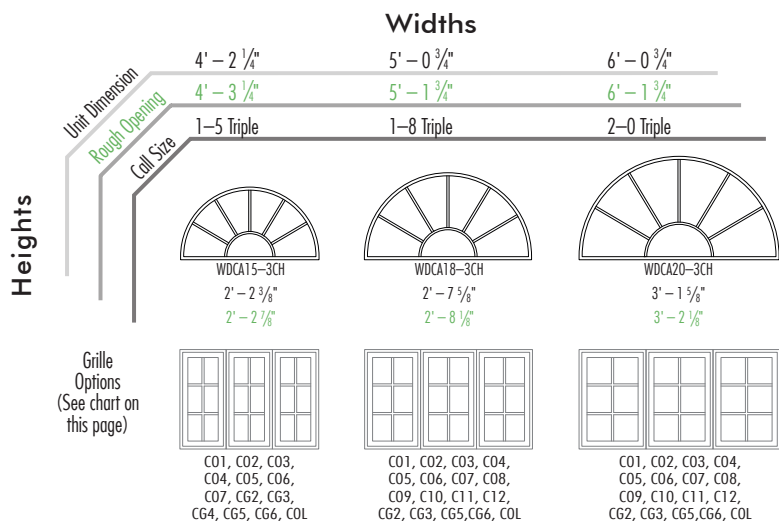
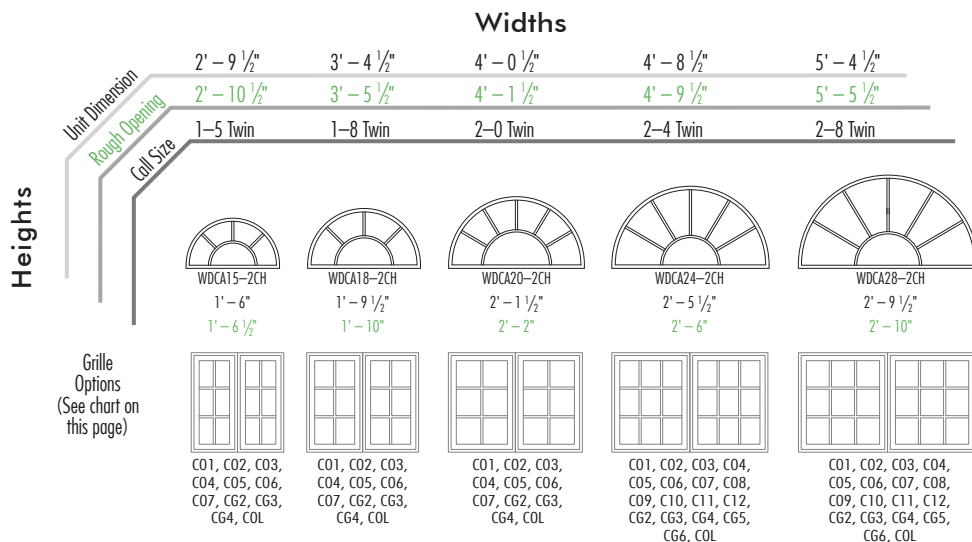
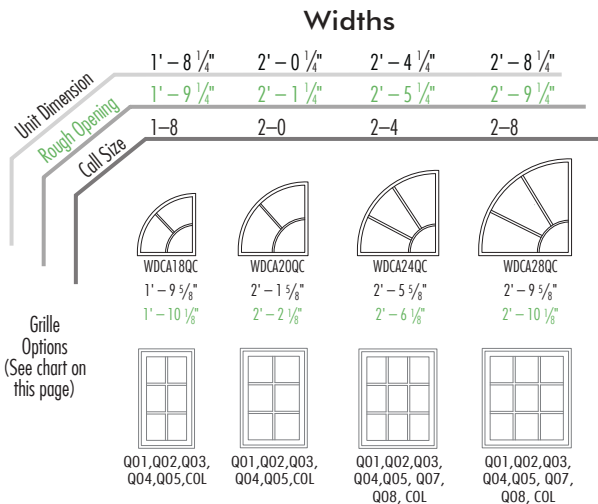
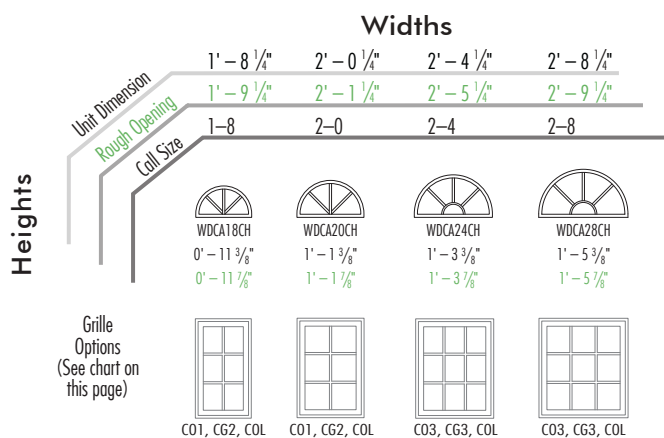
Unit Dimension	3'-0"	3'-4 1/2"	4'-0 1/2"	5'-0"	6'-0"
0-10	WDCA30010-PTN 3'-1"	WDCA35010-PTN 3'-5 1/2"	WDCA40010-PTN 4'-1 1/2"	WDCA50010-PTN 5'-1"	WDCA60010-PTN 6'-1"
1-0	WDCA3010-PTN	WDCA3510-PTN	WDCA4010-PTN	WDCA5010-PTN	WDCA6010-PTN
1-2	WDCA3012-PTN	WDCA3512-PTN	WDCA4012-PTN	WDCA5012-PTN	WDCA6012-PTN
2-0	WDCA3020-PTN	WDCA3520-PTN	WDCA4020-PTN	WDCA5020-PTN	WDCA6020-PTN
2-4	WDCA3024-PTN	WDCA3524-PTN	WDCA4024-PTN	WDCA5024-PTN	WDCA6024-PTN

		Single Widths				
Heights	Unit Dimension	Rough Opening				
		Call Size				
		1'-4 3/4"	1'-8 1/4"	2'-0 1/4"	2'-4 1/4"	2'-8 1/4"
	0-11 3/8"	1'-5 3/4"	1'-9 1/4"	2'-1 1/4"	2'-5 1/4"	2'-9 1/4"
	1'-1 3/8"	1-5	1-8	2-0	2-4	2-8
	1'-3 3/8"	WDCA18010TN	WDCA18010TN	WDCA20010TN	WDCA24010TN	WDCA28010TN
	1'-5 3/8"	WDCA1810TN	WDCA1810TN	WDCA2010TN	WDCA2410TN	WDCA2810TN
	1'-7 3/8"	WDCA1812TN	WDCA1812TN	WDCA2012TN	WDCA2412TN	WDCA2812TN
	2'-1 5/8"	WDCA1820TN	WDCA1820TN	WDCA2020TN	WDCA2420TN	WDCA2820TN
	2'-3 5/8"	WDCA1824TN	WDCA1824TN	WDCA2024TN	WDCA2424TN	WDCA2824TN
	2'-5 5/8"					
	2'-7 5/8"					
	2'-9 5/8"					

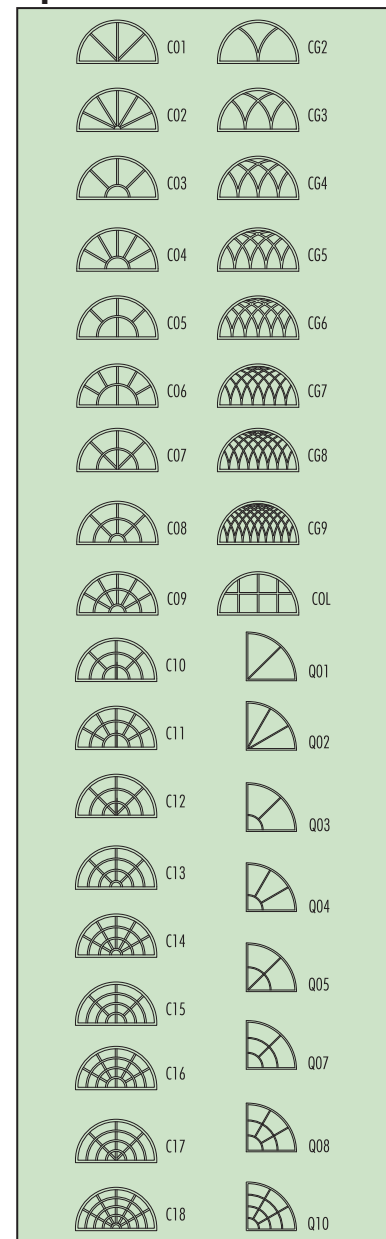
		Twin Widths				
Heights	Unit Dimension	Rough Opening				
		Call Size				
		2'-9 1/2"	3'-4 1/2"	4'-0 1/2"	4'-8 1/2"	5'-4 1/2"
	0-11 3/8"	2'-10 1/2"	3'-5 1/2"	4'-1 1/2"	4'-9 1/2"	5'-5 1/2"
	1'-1 3/8"	1-5 Twin	1-8 Twin	2-0 Twin	2-4 Twin	2-8 Twin
	1'-3 3/8"	WDCA15010-2TN	WDCA18010-2TN	WDCA20010-2TN	WDCA24010-2TN	WDCA28010-2TN
	1'-5 3/8"	WDCA1510-2TN	WDCA1810-2TN	WDCA2010-2TN	WDCA2410-2TN	WDCA2810-2TN
	1'-7 3/8"	WDCA1512-2TN	WDCA1812-2TN	WDCA2012-2TN	WDCA2412-2TN	WDCA2812-2TN
	2'-1 5/8"	WDCA1520-2TN	WDCA1820-2TN	WDCA2020-2TN	WDCA2420-2TN	WDCA2820-2TN
	2'-3 5/8"	WDCA1524-2TN	WDCA1824-2TN	WDCA2024-2TN	WDCA2424-2TN	WDCA2824-2TN
	2'-5 5/8"					
	2'-7 5/8"					
	2'-9 5/8"					

200 Casement – Circle Head & Quarter Circle Units

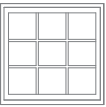
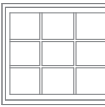
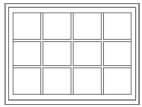
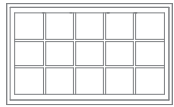
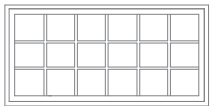
MW PRO SERIES 400, 300, 200

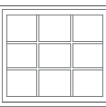
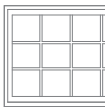
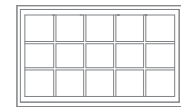
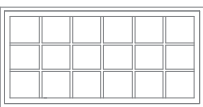


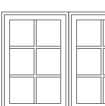
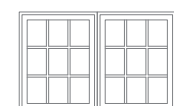
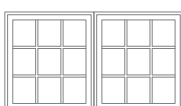
Optional Grille Patterns



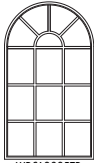
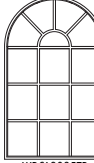
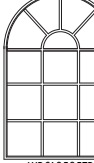
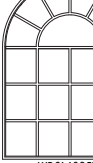
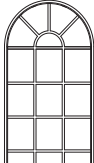
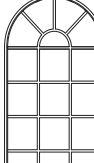
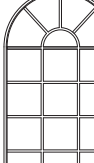
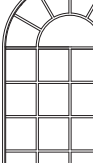
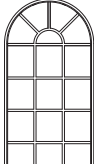
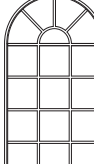
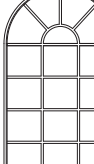
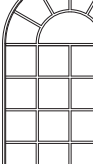
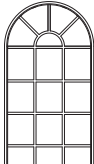
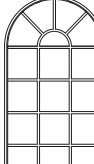
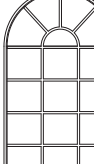
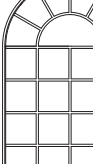
Use order code to specify pattern

Heights	Widths				
	3' – 0"	3' – 4 1/2"	4' – 0 1/2"	5' – 0"	6' – 0"
	3' – 1"	3' – 5 1/2"	4' – 1 1/2"	5' – 1"	6' – 1"
	3-0 Picture	3-5 Picture	4-0 Picture	5-0 Picture	6-0 Picture
Unit Dimension Rough Opening Cill Size					
	WDCA30PCH 1' – 7 1/4" 1' – 7 3/4"	WDCA35PCH 1' – 9 1/2" 1' – 10"	WDCA40PCH 2' – 1 1/2" 2' – 2"	WDCA50PCH 2' – 7 1/4" 2' – 7 3/4"	WDCA60PCH 3' – 1 1/4" 3' – 1 3/4"
					
Grille Options (See chart on opposite page)	C03, CG3, COL	C03, CG3, COL	C01, C02, C03, C04, C05, C06, C07, CG2, CG3, CG4, COL	C03, C04, C08, C09, CG3, CG5, COL	C01, C02, C03, C04, C05, C06, C07, C08, C09, C010, C011, C012, CG2, CG3, CG4, CG5, CG6, COL

Heights	Widths			
	3' – 4 1/2"	4' – 0 1/2"	5' – 0"	6' – 0"
	3' – 5 1/2"	4' – 1 1/2"	5' – 1"	6' – 1"
	3-5 Picture	4-0 Picture	5-0 Picture	6-0 Picture
Unit Dimension Rough Opening Cill Size				
	WDCA35PEL 0' – 10 7/8" 0' – 11 3/8"	WDCA40PEL 1' – 0 1/8" 1' – 0 3/8"	WDCA50PEL 1' – 2 1/2" 1' – 3"	WDCA60PEL 1' – 5 1/16" 1' – 5 1/8"
				
Grille Options (See chart on opposite page)	C03, CG3, COL	C01, CG2, CG3, CG4, COL	C03, C04, CG3, CG5, COL	C01, C02, C03, C04, C05, C06, C07, CG2, CG3, CG4, CG5, CG6, COL

Heights	Widths			
	3' – 4 1/2"	4' – 0 1/2"	4' – 8 1/2"	5' – 4 1/2"
	3' – 5 1/2"	4' – 1 1/2"	4' – 9 1/2"	5' – 5 1/2"
	1-8 Twin	2-0 Twin	2-4 Twin	2-8 Twin
Unit Dimension Rough Opening Cill Size				
	WDCA18-2EL 0' – 10 7/8" 0' – 11 3/8"	WDCA20-2EL 1' – 0 1/8" 1' – 0 3/8"	WDCA24-2EL 1' – 1 13/16" 1' – 2 3/16"	WDCA28-2EL 1' – 3 1/2" 1' – 4"
				
Grille Options (See chart on opposite page)	C01, C02, C03, C04, C05, C06, C07, CG2, CG3, CG4, COL	C01, C02, C03, C04, C05, C06, C07, CG2, CG3, CG4, COL	C01, C02, C03, C04, C05, C06, C07, CG2, CG3, CG4, CG5, CG6, COL	C01, C02, C03, C04, C05, C06, C07, CG2, CG3, CG4, CG5, CG6, COL

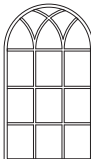
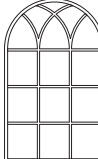
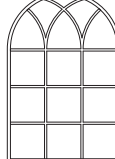
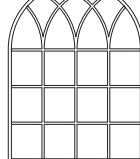
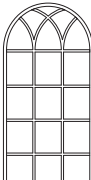
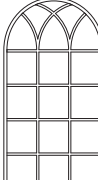
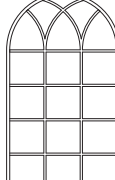
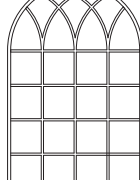
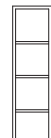
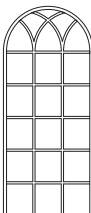
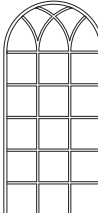
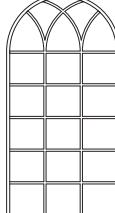
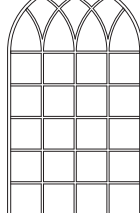
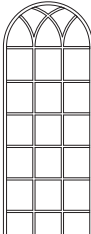
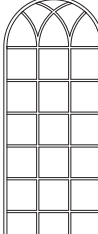
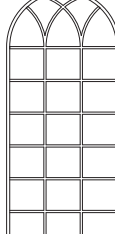
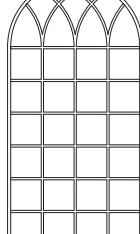
Standard Colonial Grille Pattern Widths

		Unit Dimension					
		Rough Opening					
		Call Size					
		2' - 8 1/4"	3' - 0"	3' - 4 1/2"	4' - 0 1/2"	1' - 1 3/8"	
		2' - 9 1/4"	3' - 1"	3' - 5 1/2"	4' - 1 1/2"	1' - 2 3/8"	
		2-8	3-0	3-5	4-0	1-0	
Heights	3-5	 WDCA2835TR 4'-8 5/8" 4'-9 1/8"	 WDCA3035TR 4'-10 1/2" 4'-11"	 WDCA3535TR 5'-0 3/4" 5'-1 1/4"	 WDCA4035TR 5'-4 3/4" 5'-5 1/4"	 WDCA1035SL	3'-4 1/2" 3'-5"
	4-0	 WDCA2840TR 5'-4 3/8" 5'-5 1/8"	 WDCA3040TR 5'-6 1/2" 5'-7"	 WDCA3540TR 5'-8 3/4" 5'-9 1/4"	 WDCA4040TR 6'-0 3/4" 6'-1 1/4"	 WDCA1040SL	4'-0 1/2" 4'-1"
	5-0	 WDCA2850TR 6'-4 1/8" 6'-4 5/8"	 WDCA3050TR 6'-6" 6'-6 1/2"	 WDCA3550TR 6'-8 1/4" 6'-8 3/4"	 WDCA4050TR 7'-0 1/4" 7'-0 3/4"	 WDCA1050SL	5'-0" 5'-0 1/2"
	6-0	 WDCA2860TR 7'-4 1/8" 7'-4 5/8"	 WDCA3060TR 7'-6" 7'-6 1/2"	 WDCA3560TR 7'-8 1/4" 7'-8 3/4"	 WDCA4060TR 8'-0 1/4" 8'-0 3/4"	 WDCA1060SL	6'-0" 6'-0 1/2"

Unit height dimension is listed first under individual windows

Rough opening height dimension is listed second under individual windows

Optional Gothic Grille Pattern
Widths

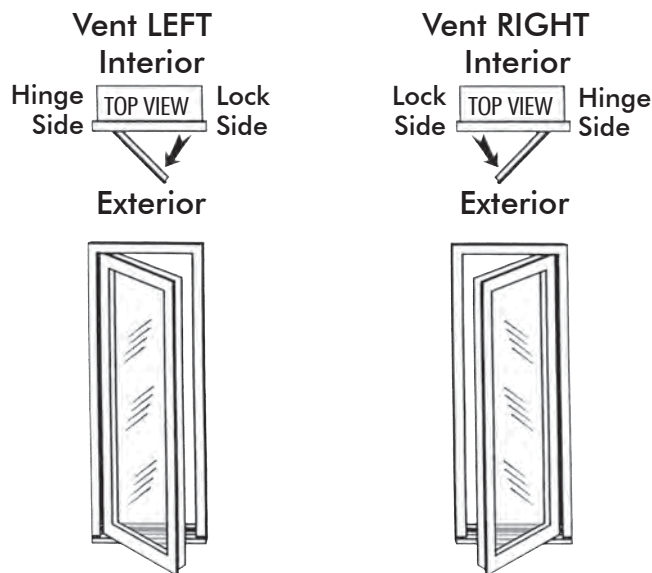
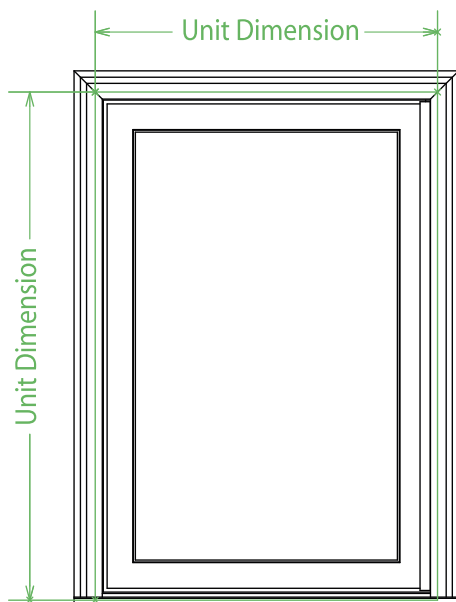
Unit Dimension		2' – 8 $\frac{1}{4}$ "	3' – 0"	3' – 4 $\frac{1}{2}$ "	4' – 0 $\frac{1}{2}$ "	1' – 1 $\frac{3}{8}$ "
Rough Opening		2' – 9 $\frac{1}{4}$ "	3' – 1"	3' – 5 $\frac{1}{2}$ "	4' – 1 $\frac{1}{2}$ "	1' – 2 $\frac{3}{8}$ "
Call Size		2-8	3-0	3-5	4-0	1-0
Heights	3-5	 WDCa2835TR 4' – 8 $\frac{3}{8}$ " 4' – 9 $\frac{1}{8}$ "	 WDCa3035TR 4' – 10 $\frac{1}{2}$ " 4' – 11"	 WDCa3535TR 5' – 0 $\frac{3}{4}$ " 5' – 1 $\frac{1}{4}$ "	 WDCa4035TR 5' – 4 $\frac{3}{4}$ " 5' – 5 $\frac{1}{4}$ "	 WDCa1035SL
	4-0	 WDCa2840TR 5' – 4 $\frac{5}{8}$ " 5' – 5 $\frac{1}{8}$ "	 WDCa3040TR 5' – 6 $\frac{1}{2}$ " 5' – 7"	 WDCa3540TR 5' – 8 $\frac{3}{4}$ " 5' – 9 $\frac{1}{4}$ "	 WDCa4040TR 6' – 0 $\frac{3}{4}$ " 6' – 1 $\frac{1}{4}$ "	 WDCa1040SL
	5-0	 WDCa2850TR 6' – 4 $\frac{1}{8}$ " 6' – 4 $\frac{3}{8}$ "	 WDCa3050TR 6' – 6" 6' – 6 $\frac{1}{2}$ "	 WDCa3550TR 6' – 8 $\frac{1}{4}$ " 6' – 8 $\frac{3}{4}$ "	 WDCa4050TR 7' – 0 $\frac{1}{4}$ " 7' – 0 $\frac{3}{4}$ "	 WDCa1050SL
	6-0	 WDCa2860TR 7' – 4 $\frac{1}{8}$ " 7' – 4 $\frac{3}{8}$ "	 WDCa3060TR 7' – 6" 7' – 6 $\frac{1}{2}$ "	 WDCa3560TR 7' – 8 $\frac{1}{4}$ " 7' – 8 $\frac{3}{4}$ "	 WDCa4060TR 8' – 0 $\frac{1}{4}$ " 8' – 0 $\frac{3}{4}$ "	 WDCa1060SL

Unit height dimension is listed first under individual windows

Rough Opening height dimension is listed second under individual windows

200 Casement – Actual Unit Dimensions

MW PRO SERIES 400, 300, 200



To calculate unit dimension on multiple units, add actual unit dimensions together.

Operating Units, WIDTH

CALL SIZE (WIDTH)	1-5	1-8	2-0	2-4	2-8
SINGLE	16 ³ / ₄	20 ¹ / ₄	24 ¹ / ₄	28 ¹ / ₄	32 ¹ / ₄
TWIN	33 ¹ / ₂	40 ¹ / ₂	48 ¹ / ₂	56 ¹ / ₂	64 ¹ / ₂
TRIPLE	50 ¹ / ₄	60 ³ / ₄	72 ³ / ₄	84 ³ / ₄	96 ³ / ₄
FOUR WIDE	67	81	97	113	N/A
FIVE WIDE	83 ³ / ₄	101 ¹ / ₄	N/A	N/A	N/A

Operating & Stationary Units, HEIGHT

CALL SIZE (HEIGHT)	HEIGHT IN INCHES
3-0	36
3-5	40 ¹ / ₂
4-0	48 ¹ / ₂
4-5	53
5-0	60
5-5	65
6-0	72

Stationary Units, WIDTH

CALL SIZE (WIDTH)	1-0	1-5	1-8	2-0	2-4	2-8
SINGLE	13 ³ / ₈	16 ³ / ₄	20 ¹ / ₄	24 ¹ / ₄	28 ¹ / ₄	32 ¹ / ₄
TWIN	26 ³ / ₄	33 ¹ / ₂	40 ¹ / ₂	48 ¹ / ₂	56 ¹ / ₂	64 ¹ / ₂
TRIPLE	40 ¹ / ₈	50 ¹ / ₄	60 ³ / ₄	72 ³ / ₄	84 ³ / ₄	96 ³ / ₄

Transom Units, HEIGHT

CALL SIZE (HEIGHT)	HEIGHT IN INCHES
0-10	11 ³ / ₈
1-0	13 ³ / ₈
1-2	15 ³ / ₈
2-0	25 ⁵ / ₈
2-4	29 ⁵ / ₈

Stationary Units, WIDTH

CALL SIZE (WIDTH)	3-0	3-5	4-0	5-0	6-0
SINGLE	36	40 ¹ / ₂	48 ¹ / ₂	60	72
TWIN	72	81	97	N/A	N/A
TRIPLE	108	N/A	N/A	N/A	N/A

Operating Units

Call Size	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
WDCA1530	9.000	31.469	1.97	2.3
35	9.000	35.969	2.25	2.7
40	9.000	43.969	2.75	3.3
45	9.000	48.469	3.03	3.6
50	9.000	55.469	3.47	4.2
55	9.000	60.469	3.78	4.6
60	9.000	67.469	4.22	5.1
WDCA1830	12.500	31.469	2.73	3.1
35	12.500	35.969	3.12	3.5
40	12.500	43.969	3.82	4.3
45	12.500	48.469	4.21	4.8
50	12.500	55.469	4.82	5.5
55	12.500	60.469	5.25	6.0
60	12.500	67.469	5.86	6.7
WDCA2030	16.500	31.469	3.61	3.9
35	16.500	35.969	4.12	4.5
40	16.500	43.969	5.04	5.5
45	16.500	48.469	5.55	6.1
50	16.500	55.469	6.36	7.0
55	16.500	60.469	6.93	7.6
60	16.500	67.469	7.73	8.5
WDCA2430	20.500	31.469	4.48	4.7
35	20.500	35.969	5.12	5.5
40	20.500	43.969	6.26	6.7
45	20.500	48.469	6.90	7.4
50	20.500	55.469	7.90	8.5
55	20.500	60.469	8.61	9.3
60	20.500	67.469	9.60	10.4
WDCA2830	24.500	31.469	5.35	5.6
35	24.500	35.969	6.12	6.4
40	24.500	43.969	7.48	7.9
45	24.500	48.469	8.25	8.7
50	24.500	55.469	9.44	10.0
55	24.500	60.469	10.29	10.9
60	24.500	67.469	11.48	12.2

NOTE: Units listed in green satisfy IRC egress requirements. Check with your local code official to confirm egress requirements in your area.

Stationary Units

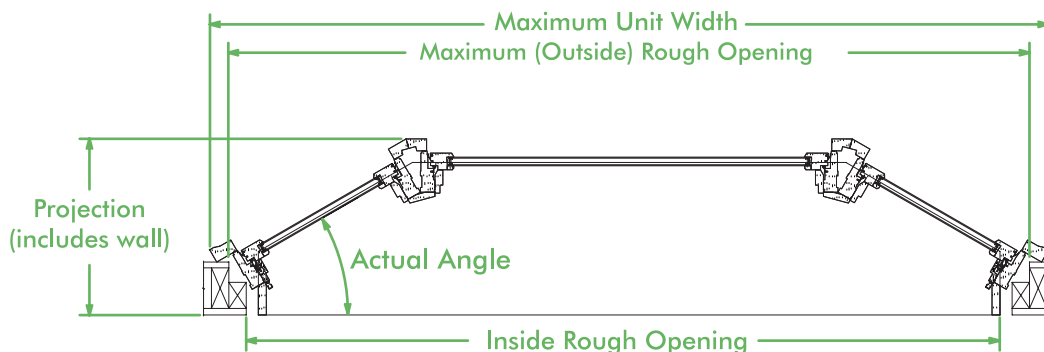
Call Size	Daylight Opening S.F.	Call Size	Daylight Opening S.F.
WDCA1030P	1.6	WDCA3030P	6.4
35	1.9	35	7.3
40	2.3	40	9.0
45	2.5	45	10.0
50	2.9	50	11.4
55	3.2	55	12.5
60	3.5	60	14.0
WDCA1530P	2.3	WDCA3530P	7.3
35	2.7	35	8.4
40	3.3	40	10.4
45	3.6	45	11.4
50	4.2	50	13.1
55	4.6	55	14.3
60	5.1	60	16.0
WDCA1830P	3.1	WDCA4030P	9.0
35	3.5	35	10.4
40	4.3	40	12.7
45	4.8	45	14.1
50	5.5	50	16.1
55	6.0	55	17.6
60	6.7	60	19.7
WDCA2030P	3.9	WDCA5030P	11.4
35	4.5	35	13.1
40	5.5	40	16.1
45	6.1	45	17.8
50	7.0	50	20.5
55	7.6	55	22.4
60	8.5	60	25.0
WDCA2430P	4.7	WDCA6030P	14.0
35	5.5	35	16.0
40	6.7	40	19.7
45	7.4	45	21.8
50	8.5	50	25.0
55	9.3	55	27.3
60	10.4	60	30.5
WDCA2830P	5.6		
35	6.4		
40	7.9		
45	8.7		
50	10.0		
55	10.9		
60	12.2		

200 Casement – 30° Bay Window w/ Operating Flankers

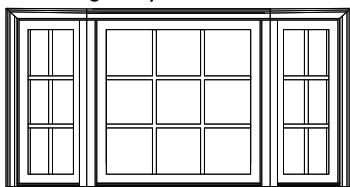
MW PRO SERIES 400, 300, 200



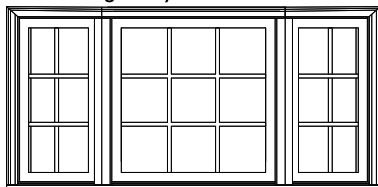
Note: Projections include $4\frac{9}{16}$ " wall.



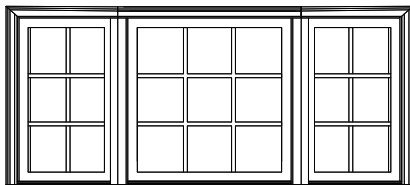
30° Angle Bay with 1-5 Flankers



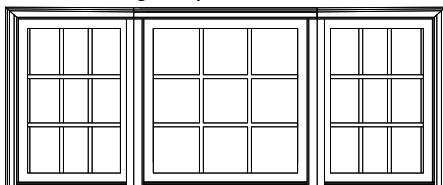
30° Angle Bay with 1-8 Flankers



30° Angle Bay with 2-0 Flankers



30° Angle Bay with 2-4 Flankers



WIDTHS

Call Size	Max. Unit	Max. Ext. Rough Opening	Inside Rough Opening	Projection	Actual Angle
WDCA1530xx-30	$72\frac{7}{16}$	$68\frac{7}{16}$	$64\frac{15}{16}$	$15\frac{1}{2}$	30°
WDCA1535xx-30	$76\frac{15}{16}$	$72\frac{15}{16}$	$69\frac{7}{16}$	$15\frac{1}{2}$	30°
WDCA1540xx-30	$84\frac{15}{16}$	$80\frac{15}{16}$	$77\frac{7}{16}$	$15\frac{1}{2}$	30°
WDCA1550xx-30	$96\frac{7}{16}$	$92\frac{7}{16}$	$88\frac{15}{16}$	$15\frac{1}{2}$	30°
WDCA1560xx-30	$108\frac{7}{16}$	$104\frac{7}{16}$	$100\frac{15}{16}$	$15\frac{1}{2}$	30°
WDCA1830xx-30	$78\frac{1}{2}$	$74\frac{1}{2}$	71	$17\frac{1}{4}$	30°
WDCA1835xx-30	83	79	$75\frac{1}{2}$	$17\frac{1}{4}$	30°
WDCA1840xx-30	91	87	$83\frac{1}{2}$	$17\frac{1}{4}$	30°
WDCA1850xx-30	$102\frac{1}{2}$	$98\frac{1}{2}$	95	$17\frac{1}{4}$	30°
WDCA1860xx-30	$114\frac{1}{2}$	$110\frac{1}{2}$	107	$17\frac{1}{4}$	30°
WDCA2030xx-30	$85\frac{7}{16}$	$81\frac{7}{16}$	$77\frac{15}{16}$	$19\frac{1}{4}$	30°
WDCA2035xx-30	$89\frac{15}{16}$	$85\frac{15}{16}$	$82\frac{7}{16}$	$19\frac{1}{4}$	30°
WDCA2040xx-30	$97\frac{15}{16}$	$93\frac{15}{16}$	$90\frac{7}{16}$	$19\frac{1}{4}$	30°
WDCA2050xx-30	$109\frac{7}{16}$	$105\frac{7}{16}$	$101\frac{15}{16}$	$19\frac{1}{4}$	30°
WDCA2060xx-30	$121\frac{7}{16}$	$117\frac{7}{16}$	$113\frac{15}{16}$	$19\frac{1}{4}$	30°
WDCA2430xx-30	$92\frac{3}{8}$	$88\frac{3}{8}$	$84\frac{7}{8}$	$21\frac{1}{4}$	30°
WDCA2435xx-30	$96\frac{7}{8}$	$92\frac{7}{8}$	$89\frac{3}{8}$	$21\frac{1}{4}$	30°
WDCA2440xx-30	$104\frac{7}{8}$	$100\frac{7}{8}$	$97\frac{3}{8}$	$21\frac{1}{4}$	30°
WDCA2450xx-30	$116\frac{3}{8}$	$112\frac{3}{8}$	$108\frac{7}{8}$	$21\frac{1}{4}$	30°
WDCA2460xx-30	$128\frac{3}{8}$	$124\frac{3}{8}$	$120\frac{7}{8}$	$21\frac{1}{4}$	30°

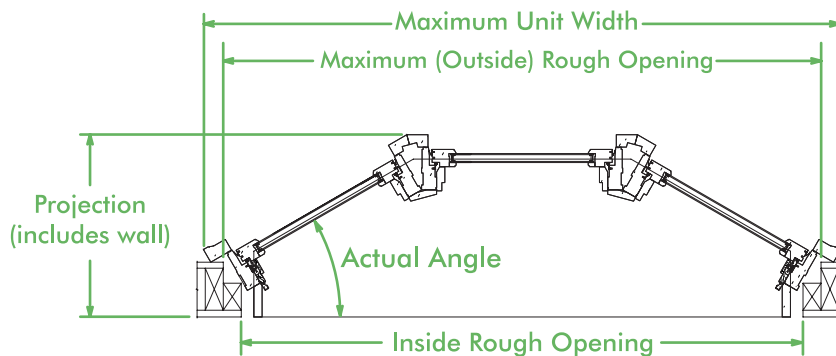
HEIGHTS

Call Size	Bay Unit	Rough Opening
3/0	$37\frac{1}{8}$	$37\frac{5}{8}$
3/5	$41\frac{5}{8}$	$42\frac{1}{8}$
4/0	$49\frac{5}{8}$	$50\frac{1}{8}$
4/5	$54\frac{1}{8}$	$54\frac{5}{8}$
5/0	$61\frac{1}{8}$	$61\frac{5}{8}$
5/5	$66\frac{1}{8}$	$66\frac{5}{8}$
6/0	$73\frac{1}{8}$	$73\frac{5}{8}$

200 Casement – 30° Bay Window w/Three Operating Units



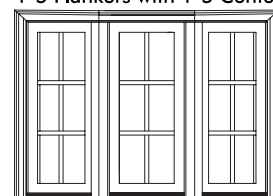
Note: Projections include $4\frac{9}{16}$ " wall.



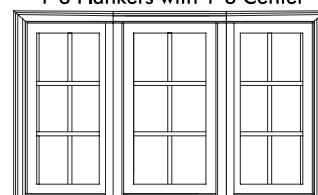
WIDTHS					
Call Size	Max. Unit	Max. Ext. Rough Opening	Inside Rough Opening	Projection	Actual Angle
WDCA15xx/3-30	$53\frac{3}{16}$	$49\frac{3}{16}$	$45\frac{11}{16}$	$15\frac{1}{2}$	30°
WDCA18xx/3-30	$62\frac{3}{4}$	$58\frac{3}{4}$	$55\frac{1}{4}$	$17\frac{1}{4}$	30°
WDCA20xx/3-30	$73\frac{11}{16}$	$69\frac{11}{16}$	$66\frac{3}{16}$	$19\frac{1}{4}$	30°
WDCA24xx/3-30	$84\frac{5}{8}$	$80\frac{5}{8}$	$77\frac{1}{8}$	$21\frac{1}{4}$	30°
WDCA28xx/3-30	$95\frac{9}{16}$	$91\frac{9}{16}$	$88\frac{1}{16}$	$23\frac{1}{4}$	30°
WDCA15xx/4-30	$69\frac{15}{16}$	$65\frac{15}{16}$	$62\frac{7}{16}$	$15\frac{1}{2}$	30°
WDCA18xx/4-30	83	79	$75\frac{1}{2}$	$17\frac{1}{4}$	30°
WDCA20xx/4-30	$97\frac{15}{16}$	$93\frac{15}{16}$	$90\frac{7}{16}$	$19\frac{1}{4}$	30°
WDCA24xx/4-30	$112\frac{7}{8}$	$108\frac{7}{8}$	$105\frac{3}{8}$	$21\frac{1}{4}$	30°
WDCA15xx/5-30	$86\frac{11}{16}$	$82\frac{11}{16}$	$79\frac{3}{16}$	$15\frac{1}{2}$	30°
WDCA18xx/5-30	$103\frac{1}{4}$	$99\frac{1}{4}$	$95\frac{3}{4}$	$17\frac{1}{4}$	30°
WDCA20xx/5-30	$122\frac{3}{16}$	$118\frac{3}{16}$	$114\frac{11}{16}$	$19\frac{1}{4}$	30°

HEIGHTS		
Call Size	Bay Unit	Rough Opening
3/0	$37\frac{1}{8}$	$37\frac{5}{8}$
3/5	$41\frac{5}{8}$	$42\frac{1}{8}$
4/0	$49\frac{5}{8}$	$50\frac{1}{8}$
4/5	$54\frac{1}{8}$	$54\frac{5}{8}$
5/0	$61\frac{1}{8}$	$61\frac{5}{8}$
5/5	$66\frac{1}{8}$	$66\frac{5}{8}$
6/0	$73\frac{1}{8}$	$73\frac{5}{8}$

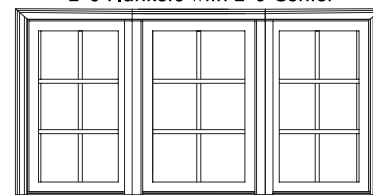
30° Angle Bay
1-5 Flankers with 1-5 Center



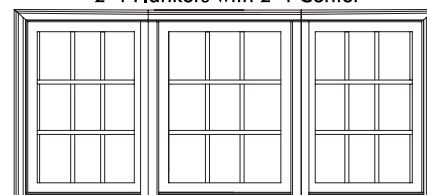
30° Angle Bay
1-8 Flankers with 1-8 Center



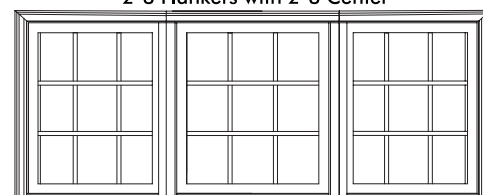
30° Angle Bay
2-0 Flankers with 2-0 Center



30° Angle Bay
2-4 Flankers with 2-4 Center



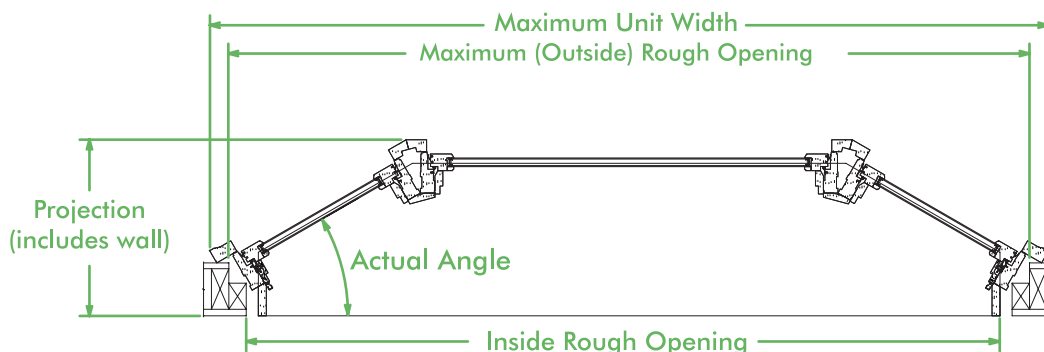
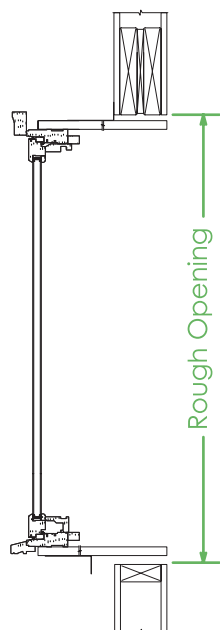
30° Angle Bay
2-8 Flankers with 2-8 Center



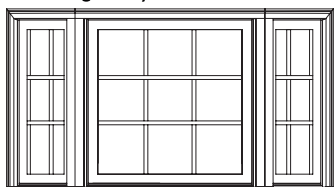
200 Casement – 45° Bay Window w/ Operating Flankers

MW PRO SERIES 400, 300, 200

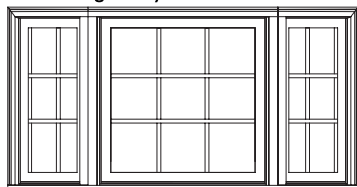
Note: Projections include $4\frac{9}{16}$ " wall.



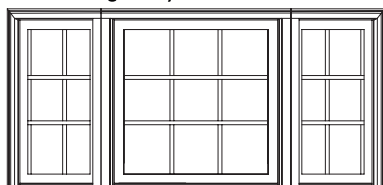
45° Angle Bay with 1-5 Flankers



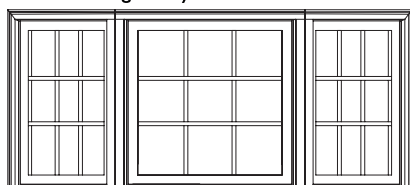
45° Angle Bay with 1-8 Flankers



45° Angle Bay with 2-0 Flankers



45° Angle Bay with 2-4 Flankers



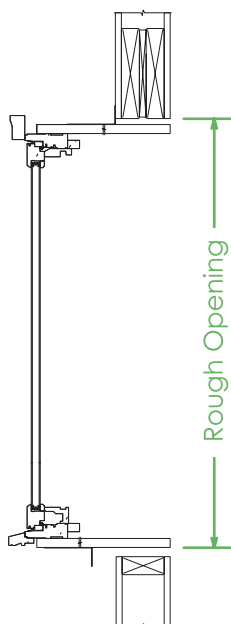
WIDTHS

Call Size	Max. Unit	Max. Ext. Rough Opening	Inside Rough Opening	Projection	Actual Angle
WDCA1530xx-45	$68\frac{11}{16}$	$63\frac{3}{8}$	$59\frac{7}{8}$	$19\frac{13}{16}$	45°
WDCA1535xx-45	$73\frac{3}{16}$	$67\frac{7}{8}$	$64\frac{3}{8}$	$19\frac{13}{16}$	45°
WDCA1540xx-45	$81\frac{3}{16}$	$75\frac{7}{8}$	$72\frac{3}{8}$	$19\frac{13}{16}$	45°
WDCA1550xx-45	$92\frac{11}{16}$	$87\frac{3}{8}$	$83\frac{7}{8}$	$19\frac{13}{16}$	45°
WDCA1560xx-45	$104\frac{11}{16}$	$99\frac{3}{8}$	$95\frac{7}{8}$	$19\frac{13}{16}$	45°
WDCA1830xx-45	$73\frac{11}{16}$	$68\frac{3}{8}$	$64\frac{7}{8}$	$22\frac{5}{16}$	45°
WDCA1835xx-45	$78\frac{3}{16}$	$72\frac{7}{8}$	$69\frac{3}{8}$	$22\frac{5}{16}$	45°
WDCA1840xx-45	$86\frac{3}{16}$	$80\frac{7}{8}$	$77\frac{3}{8}$	$22\frac{5}{16}$	45°
WDCA1850xx-45	$97\frac{11}{16}$	$92\frac{3}{8}$	$88\frac{7}{8}$	$22\frac{5}{16}$	45°
WDCA1860xx-45	$109\frac{11}{16}$	$104\frac{3}{8}$	$100\frac{7}{8}$	$22\frac{5}{16}$	45°
WDCA2030xx-45	$79\frac{5}{16}$	74	$70\frac{1}{2}$	$25\frac{1}{8}$	45°
WDCA2035xx-45	$83\frac{13}{16}$	$78\frac{1}{2}$	75	$25\frac{1}{8}$	45°
WDCA2040xx-45	$91\frac{13}{16}$	$86\frac{1}{2}$	83	$25\frac{1}{8}$	45°
WDCA2050xx-45	$103\frac{5}{16}$	98	$94\frac{1}{2}$	$25\frac{1}{8}$	45°
WDCA2060xx-45	$115\frac{5}{16}$	110	$106\frac{1}{2}$	$25\frac{1}{8}$	45°
WDCA2430xx-45	85	$79\frac{11}{16}$	$76\frac{3}{16}$	$27\frac{15}{16}$	45°
WDCA2435xx-45	$89\frac{1}{2}$	$84\frac{3}{16}$	$80\frac{11}{16}$	$27\frac{15}{16}$	45°
WDCA2440xx-45	$97\frac{1}{2}$	$92\frac{3}{16}$	$88\frac{11}{16}$	$27\frac{15}{16}$	45°
WDCA2450xx-45	109	$103\frac{11}{16}$	$100\frac{3}{16}$	$27\frac{15}{16}$	45°
WDCA2460xx-45	121	$115\frac{11}{16}$	$112\frac{3}{16}$	$27\frac{15}{16}$	45°

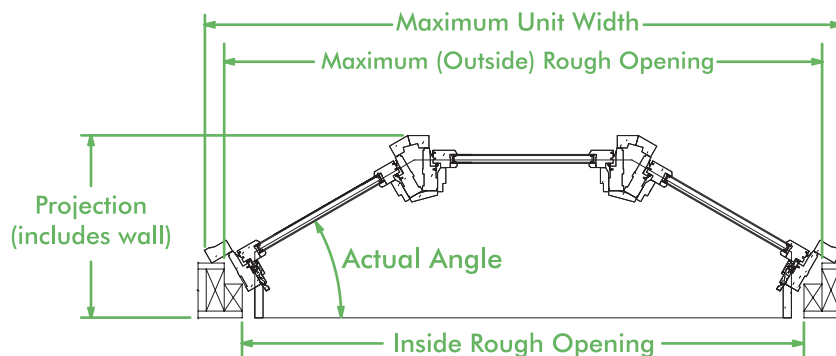
HEIGHTS

Call Size	Bay Unit	Rough Opening
3/0	$37\frac{1}{8}$	$37\frac{5}{8}$
3/5	$41\frac{5}{8}$	$42\frac{1}{8}$
4/0	$49\frac{5}{8}$	$50\frac{1}{8}$
4/5	$54\frac{1}{8}$	$54\frac{5}{8}$
5/0	$61\frac{1}{8}$	$61\frac{5}{8}$
5/5	$66\frac{1}{8}$	$66\frac{5}{8}$
6/0	$73\frac{1}{8}$	$73\frac{5}{8}$

200 Casement – 45° Bay Window w/Three Operating Units



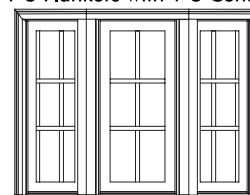
Note: Projections include 4- $\frac{9}{16}$ " wall.



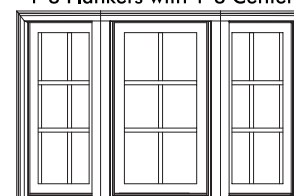
WIDTHS					
Call Size	Max. Unit	Max. Ext. Rough Opening	Inside Rough Opening	Projection	Actual Angle
WDCA15xx/3-45	49- $\frac{7}{16}$	44- $\frac{1}{8}$	40- $\frac{5}{8}$	19- $\frac{13}{16}$	45°
WDCA18xx/3-45	57- $\frac{15}{16}$	52- $\frac{5}{8}$	49- $\frac{1}{8}$	22- $\frac{5}{16}$	45°
WDCA20xx/3-45	67- $\frac{9}{16}$	62- $\frac{1}{4}$	58- $\frac{3}{4}$	25- $\frac{1}{8}$	45°
WDCA24xx/3-45	77- $\frac{1}{4}$	71- $\frac{15}{16}$	68- $\frac{7}{16}$	27- $\frac{15}{16}$	45°
WDCA28xx/3-45	86- $\frac{7}{8}$	81- $\frac{9}{16}$	78- $\frac{1}{16}$	30- $\frac{13}{16}$	45°
WDCA15xx/4-45	66- $\frac{3}{16}$	60- $\frac{7}{8}$	57- $\frac{3}{8}$	19- $\frac{13}{16}$	45°
WDCA18xx/4-45	78- $\frac{3}{16}$	72- $\frac{7}{8}$	69- $\frac{3}{8}$	22- $\frac{5}{16}$	45°
WDCA20xx/4-45	91- $\frac{13}{16}$	86- $\frac{1}{2}$	83	25- $\frac{1}{8}$	45°
WDCA24xx/4-45	105- $\frac{1}{2}$	100- $\frac{3}{16}$	96- $\frac{11}{16}$	27- $\frac{15}{16}$	45°
WDCA28xx/4-45	119- $\frac{1}{8}$	113- $\frac{13}{16}$	110- $\frac{5}{16}$	30- $\frac{13}{16}$	45°
WDCA15xx/5-45	82- $\frac{15}{16}$	77- $\frac{5}{8}$	74- $\frac{1}{8}$	19- $\frac{13}{16}$	45°
WDCA18xx/5-45	98- $\frac{7}{16}$	93- $\frac{1}{8}$	89- $\frac{5}{8}$	22- $\frac{5}{16}$	45°
WDCA20xx/5-45	116- $\frac{1}{16}$	110- $\frac{1}{4}$	107- $\frac{1}{4}$	25- $\frac{1}{8}$	45°

HEIGHTS		
Call Size	Bay Unit	Rough Opening
3/0	37- $\frac{1}{8}$	37- $\frac{5}{8}$
3/5	41- $\frac{5}{8}$	42- $\frac{1}{8}$
4/0	49- $\frac{5}{8}$	50- $\frac{1}{8}$
4/5	54- $\frac{1}{8}$	54- $\frac{5}{8}$
5/0	61- $\frac{1}{8}$	61- $\frac{5}{8}$
5/5	66- $\frac{1}{8}$	66- $\frac{5}{8}$
6/0	73- $\frac{1}{8}$	73- $\frac{5}{8}$

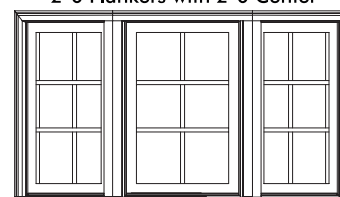
45° Angle Bay
1-5 Flankers with 1-5 Center



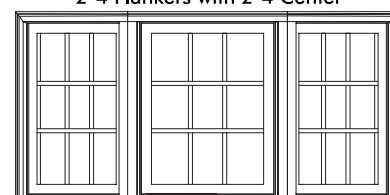
45° Angle Bay
1-8 Flankers with 1-8 Center



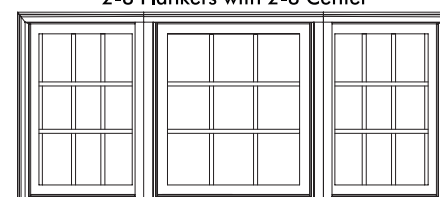
45° Angle Bay
2-0 Flankers with 2-0 Center



45° Angle Bay
2-4 Flankers with 2-4 Center



45° Angle Bay
2-8 Flankers with 2-8 Center



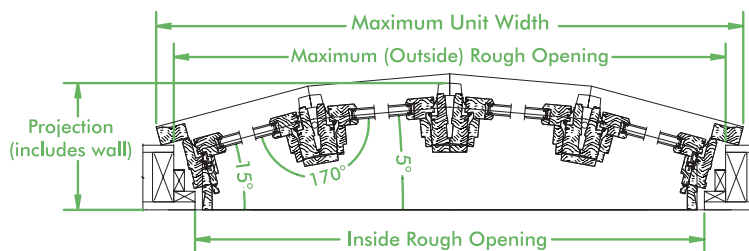
200 Casement – 4 Wide Bow Window Details

MW PRO SERIES 400, 300, 200

HEIGHTS		
Call Size	Bay Unit	Rough Opening
3/0	37 ^{-1/8}	37 ^{-5/8}
3/5	41 ^{-5/8}	42 ^{-1/8}
4/0	49 ^{-5/8}	50 ^{-1/8}
4/5	54 ^{-1/8}	54 ^{-5/8}
5/0	61 ^{-1/8}	61 ^{-5/8}
5/5	66 ^{-1/8}	66 ^{-5/8}
6/0	73 ^{-1/8}	73 ^{-5/8}



Note: Projections include 4^{-9/16}" wall.



1-5 Bow - 4 Wide



1-8 Bow - 4 Wide



WIDTHS				
Call Size	Max. Unit	Max. Rough Opening	Projection	Unit Dimension
WDCA15xx/4BOW	71 ^{-1/16}	67 ^{-1/16}	12 ^{-1/4}	65 ^{-9/16}

WIDTHS				
Call Size	Max. Unit	Max. Rough Opening	Projection	Unit Dimension
WDCA18xx/4BOW	84 ^{-13/16}	80 ^{-13/16}	13 ^{-7/16}	79 ^{-5/16}

2-0 Bow - 4 Wide



2-4 Bow - 4 Wide



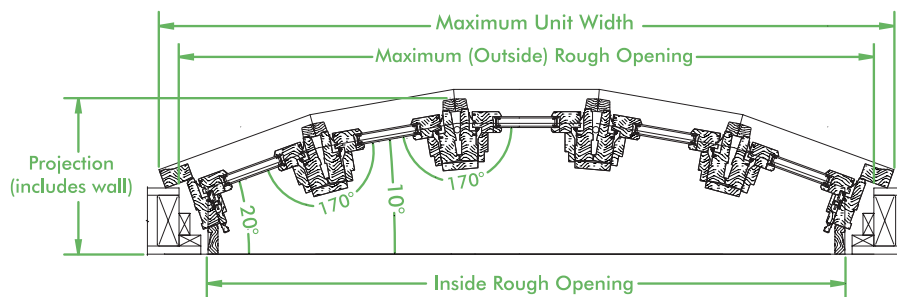
WIDTHS				
Call Size	Max. Unit	Max. Rough Opening	Projection	Unit Dimension
WDCA20xx/4BOW	100 ^{-1/2}	96 ^{-1/2}	14 ^{-7/8}	95

WIDTHS				
Call Size	Max. Unit	Max. Rough Opening	Projection	Unit Dimension
WDCA24xx/4BOW	116 ^{-3/16}	112 ^{-3/16}	16 ^{-1/4}	110 ^{-11/16}

Note: Windows 1 and 4 are operating, windows 2 and 3 are stationary.
All four windows operating is optional, upcharge applies.



Note: Projections include $4\frac{9}{16}$ " wall.



HEIGHTS		
Call Size	Bay Unit	Rough Opening
3/0	$37\frac{1}{8}$	$37\frac{5}{8}$
3/5	$41\frac{5}{8}$	$42\frac{1}{8}$
4/0	$49\frac{5}{8}$	$50\frac{1}{8}$
4/5	$54\frac{1}{8}$	$54\frac{5}{8}$
5/0	$61\frac{1}{8}$	$61\frac{5}{8}$
5/5	$66\frac{1}{8}$	$66\frac{5}{8}$
6/0	$73\frac{1}{8}$	$73\frac{5}{8}$

Note: Windows 1 & 5 are operating, windows 2, 3 & 4 are stationary. All five windows operating is optional, upcharge applies.

1-5 Bow - 5 Wide



WIDTHS				
Call Size	Max. Unit	Max. Rough Opening	Projection	Unit Dimension
WDCA15xx/5BOW	$87\frac{5}{16}$	$84\frac{9}{16}$	$15\frac{1}{4}$	$81\frac{9}{16}$

1-8 Bow - 5 Wide



WIDTHS				
Call Size	Max. Unit	Max. Rough Opening	Projection	Unit Dimension
WDCA18xx/5BOW	$104\frac{5}{16}$	$101\frac{9}{16}$	$17\frac{1}{16}$	$98\frac{9}{16}$

2-0 Bow - 5 Wide



WIDTHS				
Call Size	Max. Unit	Max. Rough Opening	Projection	Unit Dimension
WDCA20xx/5BOW	$123\frac{11}{16}$	$120\frac{15}{16}$	$19\frac{1}{8}$	$117\frac{15}{16}$

		Widths					
Heights	Unit Dimension Rough Opening Call Size	2' - 0 1/4"	2' - 4 1/4"	2' - 8 1/4"	3' - 0"	3' - 4 1/2"	4' - 0 1/2"
		2' - 1 1/4"	2' - 5 1/4"	2' - 9 1/4"	3' - 1"	3' - 5 1/2"	4' - 1 1/2"
		2-0	2-4	2-8	3-0	3-5	4-0
		1-8	2-0	2-4	2-8	3-0	3-5
2' - 4 1/4"	2' - 5 3/8"	2-4	2-4	2-8	3-0	3-5	4-0
2' - 0 1/4"	2' - 1 3/8"	2-0	2-4	2-8	3-0	3-5	4-0
1' - 8 1/4"	1' - 9 3/8"	1-8	2-0	2-4	2-8	3-0	3-5

WD

AW

2018

WD

AW

2418

WD

AW

2818

WD

AW

3018

WD

AW

3518

WD

AW

4018

WD

AW

2020

WD

AW

2420

WD

AW

2820

WD

AW

3020

WD

AW

3520

WD

AW

4020

WD

AW

2024

WD

AW

2424

WD

AW

2824

WD

AW

3024

WD

AW

3524

WD

AW

4024

		One Wide by Two High Units					
		Widths					
Heights	Unit Dimension Rough Opening Call Size	2' - 0 1/4"	2' - 4 1/4"	2' - 8 1/4"	3' - 0"	3' - 4 1/2"	4' - 0 1/2"
		2' - 1 1/4"	2' - 5 1/4"	2' - 9 1/4"	3' - 1"	3' - 5 1/2"	4' - 1 1/2"
		2-0	2-4	2-8	3-0	3-5	4-0
		1-8	2-0	2-4	2-8	3-0	3-5
4' - 8 1/2"	4' - 9 1/8"	2-4	2-4	2-8	3-0	3-5	4-0
4' - 0 1/2"	4' - 1 1/8"	2-0	2-4	2-8	3-0	3-5	4-0
3' - 4 1/2"	3' - 5 1/8"	1-8	2-0	2-4	2-8	3-0	3-5

WD

AW

2018-12

WD

AW

2418-12

WD

AW

2818-12

WD

AW

3018-12

WD

AW

3518-12

WD

AW

4018-12

WD

AW

2020-12

WD

AW

2420-12

WD

AW

2820-12

WD

AW

3020-12

WD

AW

3520-12

WD

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AW

2424-12

WD

AW

2824-12

WD

AW

3024-12

WD

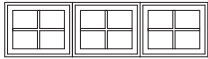
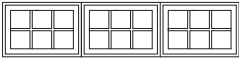
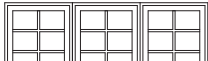
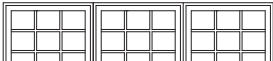
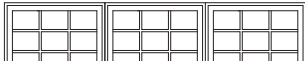
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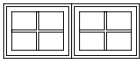
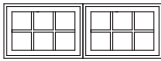
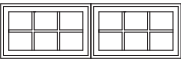
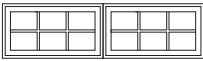
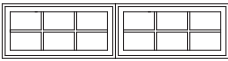
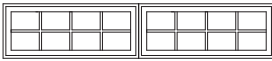
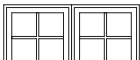
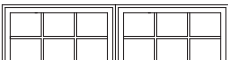
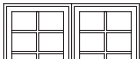
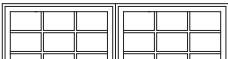
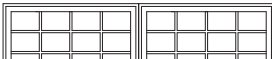
3524-12

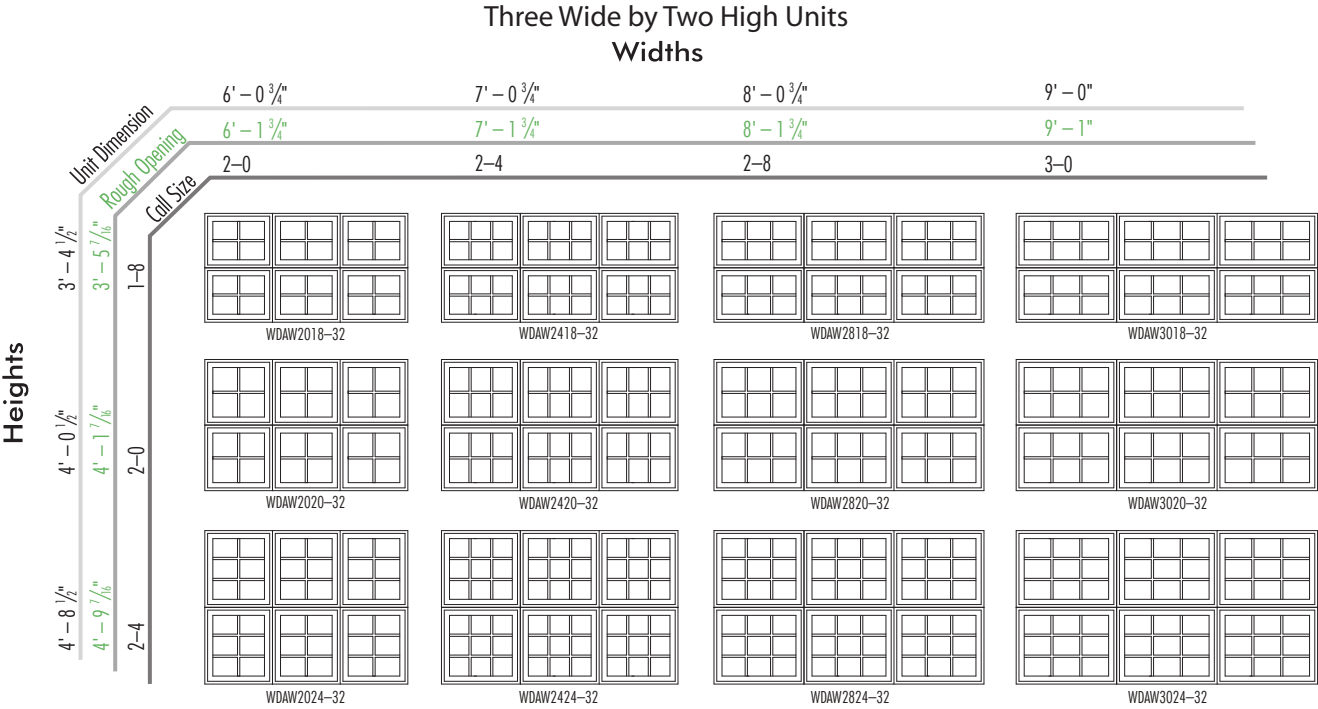
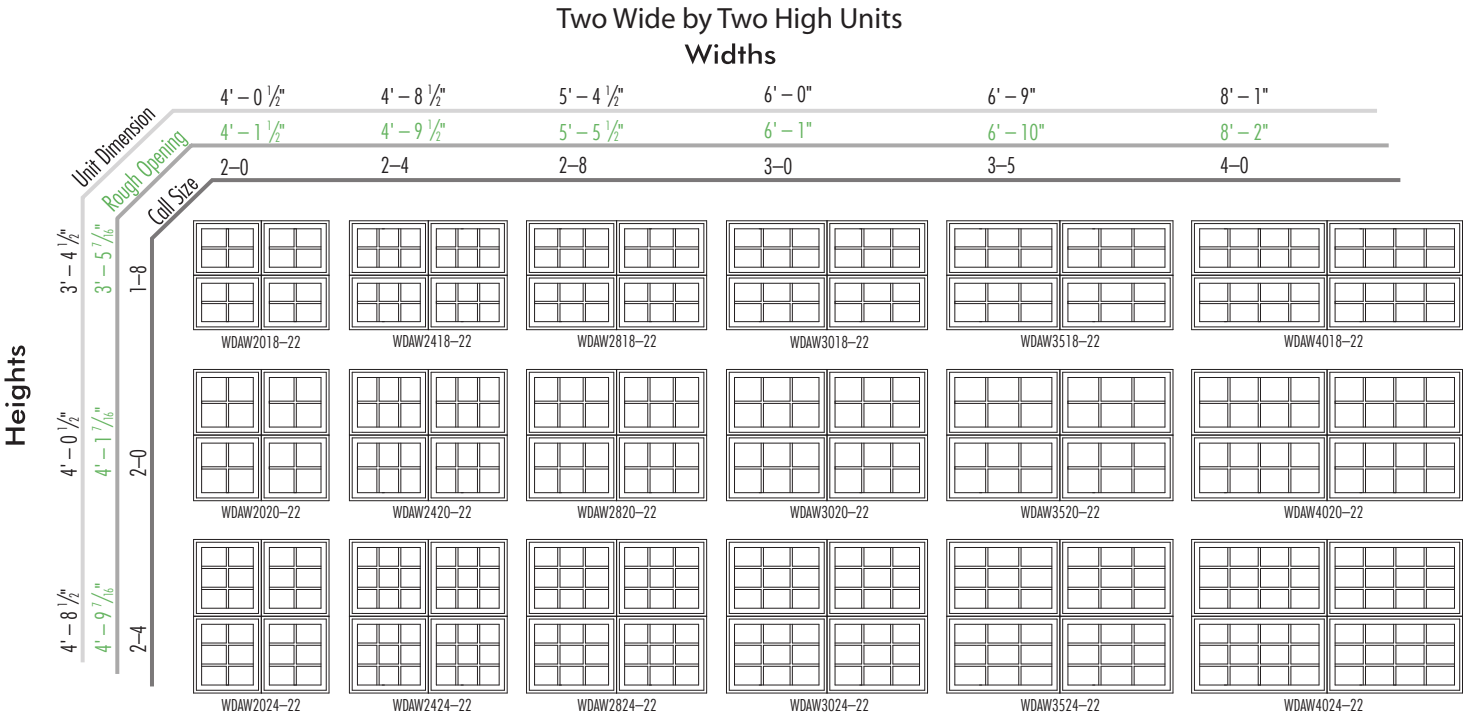
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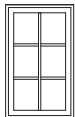
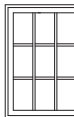
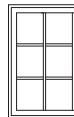
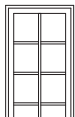
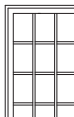
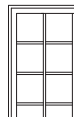
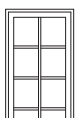
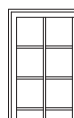
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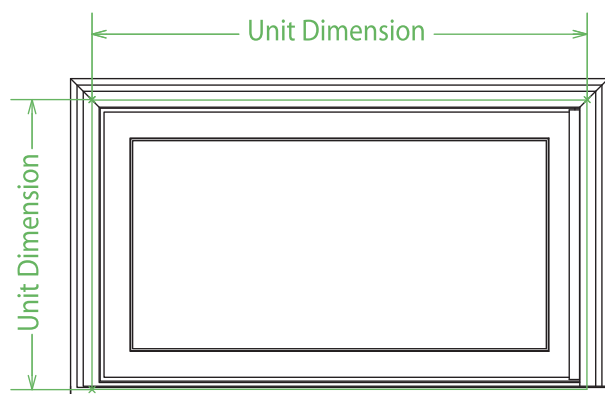
4024-12

		Widths			
Heights	Unit Dimension Rough Opening Call Size	6' – 0 3/4"	7' – 0 3/4"	8' – 0 3/4"	9' – 0"
		6' – 1 3/4"	7' – 1 3/4"	8' – 1 3/4"	9' – 1"
		2–0 Triple	2–4 Triple	2–8 Triple	3–0 Triple
		1–8	1–8	1–8	1–8
2' – 4 1/4"	2' – 5 3/8"	 WDAW2018-3	 WDAW2418-3	 WDAW2818-3	 WDAW3018-3
2' – 0 1/4"	2' – 1 3/8"	 WDAW2020-3	 WDAW2420-3	 WDAW2820-3	 WDAW3020-3
2' – 4 1/4"	2' – 5 3/8"	 WDAW2024-3	 WDAW2424-3	 WDAW2824-3	 WDAW3024-3

		Widths					
Heights	Unit Dimension Rough Opening Call Size	4' – 0 1/2"	4' – 8 1/2"	5' – 4 1/2"	6' – 0"	6' – 9"	8' – 1"
		4' – 1 1/2"	4' – 9 1/2"	5' – 5 1/2"	6' – 1"	6' – 10"	8' – 2"
		2–0 Twin	2–4 Twin	2–8 Twin	3–0 Twin	3–5 Twin	4–0 Twin
		1–8	1–8	1–8	1–8	1–8	1–8
2' – 4 1/4"	2' – 5 3/8"	 WDAW2018-2	 WDAW2418-2	 WDAW2818-2	 WDAW3018-2	 WDAW3518-2	 WDAW4018-2
2' – 0 1/4"	2' – 1 3/8"	 WDAW2020-2	 WDAW2420-2	 WDAW2820-2	 WDAW3020-2	 WDAW3520-2	 WDAW4020-2
2' – 4 1/4"	2' – 5 3/8"	 WDAW2024-2	 WDAW2424-2	 WDAW2824-2	 WDAW3024-2	 WDAW3524-2	 WDAW4024-2



		Widths					
		2' - 0 1/4"	2' - 4 1/4"	2' - 8 1/4"	3' - 0"	3' - 4 1/2"	4' - 0 1/2"
		2' - 1 1/4"	2' - 5 1/4"	2' - 9 1/4"	3' - 1"	3' - 5 1/2"	4' - 1 1/2"
		2-0 Picture	2-4 Picture	2-8 Picture	3-0 Picture	3-5 Picture	4-0 Picture
Heights	Unit Dimension						
	Rough Opening						
	Coll. Size						
3' - 4 1/2"	3' - 5 7/16"	3-5					
			WDAW2035P	WDAW2435P	WDAW2835P	WDAW3035P	WDAW3535P
							WDAW4035P
4' - 0 1/2"	4' - 1 7/16"	4-0					
			WDAW2040P	WDAW2440P	WDAW2840P	WDAW3040P	WDAW3540P
							WDAW4040P
5' - 0"	5' - 0 15/16"	5-0					
			WDAW2050P	WDAW2450P	WDAW2850P	WDAW3050P	WDAW3550P
							WDAW4050P



Operating Units, WIDTH

CALL SIZE (WIDTH)	2-0	2-4	2-8	3-0	3-5	4-0
ONE WIDE	24 $\frac{1}{4}$	28 $\frac{1}{4}$	32 $\frac{1}{4}$	36	40 $\frac{1}{2}$	48 $\frac{1}{2}$
TWO WIDE	48 $\frac{1}{2}$	56 $\frac{1}{2}$	64 $\frac{1}{2}$	72	81	97
THREE WIDE	72 $\frac{3}{4}$	84 $\frac{3}{4}$	96 $\frac{3}{4}$	108	N/A	N/A
FOUR WIDE	97	113	N/A	N/A	N/A	N/A

Operating & Stationary Units, HEIGHT*

CALL SIZE HEIGHT	ONE HEIGHT	TWO HEIGHT	THREE HEIGHT
1-8	20 $\frac{1}{4}$	40 $\frac{1}{2}$	60 $\frac{3}{4}$
2-0	24 $\frac{1}{4}$	48 $\frac{1}{2}$	72 $\frac{3}{4}$
2-4	28 $\frac{1}{4}$	56 $\frac{1}{2}$	84 $\frac{3}{4}$

* MW sill nosing ledge will add $\frac{7}{16}$ " to this dimension.

Stationary Units, WIDTH

CALL SIZE (WIDTH)	2-0	2-4	2-8	3-0	3-5	4-0
ONE WIDE	24 $\frac{1}{4}$	28 $\frac{1}{4}$	32 $\frac{1}{4}$	36	40 $\frac{1}{2}$	48 $\frac{1}{2}$
TWO WIDE	48 $\frac{1}{2}$	56 $\frac{1}{2}$	64 $\frac{1}{2}$	72	81	97
THREE WIDE	72 $\frac{3}{4}$	84 $\frac{3}{4}$	96 $\frac{3}{4}$	108	N/A	N/A

Stationary Units, HEIGHT

CALL SIZE (HEIGHT)	HEIGHT IN INCHES
1-8	20 $\frac{1}{4}$
2-0	24 $\frac{1}{4}$
2-4	28 $\frac{1}{4}$
3-5	40 $\frac{1}{2}$
4-0	48 $\frac{1}{2}$
5-0	60

Picture Over Single Awning Units, HEIGHT

CALL SIZE (HEIGHT)	HEIGHT IN INCHES	CALL SIZE (HEIGHT)	HEIGHT IN INCHES	CALL SIZE (HEIGHT)	HEIGHT IN INCHES
1-8/3-5	60 $\frac{3}{4}$	2-0/3-5	64 $\frac{3}{4}$	2-4/3-6	68 $\frac{3}{4}$
1-8/4-0	68 $\frac{3}{4}$	2-0/4-0	72 $\frac{3}{4}$	2-4/4-0	76 $\frac{3}{4}$
1-8/5-0	80 $\frac{1}{4}$	2-0/5-0	84 $\frac{1}{4}$	2-4/5-0	88 $\frac{1}{4}$

Operating Units

Call Size	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
WDAW2018	16.500	11.500	1.32	1.9
20	16.500	15.500	1.78	2.4
24	16.500	19.500	2.23	2.9
WDAW2418	20.500	11.500	1.64	2.3
20	20.500	15.500	2.21	2.9
24	20.500	19.500	2.78	3.5
WDAW2818	24.500	11.500	1.96	2.7
20	24.500	15.500	2.64	3.4
24	24.500	19.500	3.32	4.2

Call Size	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
WDAW3018	31.563	11.500	2.52	3.1
20	31.563	15.500	3.40	3.9
24	31.563	19.500	4.27	4.7
WDAW3518	36.063	11.500	2.88	3.5
20	36.063	15.500	3.88	4.5
24	36.063	19.500	4.88	5.5
WDAW4018	44.063	11.500	3.52	4.3
20	44.063	15.500	4.74	5.5
24	44.063	19.500	5.97	6.7

NOTE: Awning units do NOT satisfy egress requirements.

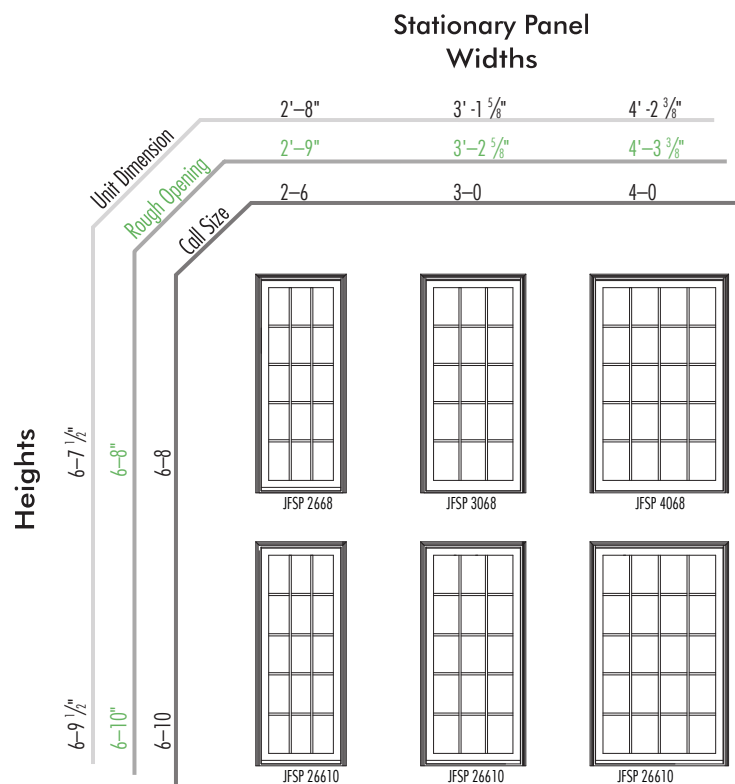
Stationary Units

Call Size	Daylight Opening S.F.
WDAW2018P	1.9
20	2.4
24	2.9
35	4.5
40	5.5
50	7.0
WDAW2418P	2.3
20	2.9
24	3.5
35	5.5
40	6.7
50	8.5
WDAW2818P	2.7
20	3.4
24	4.2
35	6.4
40	7.9
50	10.0

Call Size	Daylight Opening S.F.
WDAW3018P	3.1
20	3.9
24	4.7
35	7.3
40	9.0
50	11.4
WDAW3518P	3.5
20	4.5
24	5.5
35	8.4
40	10.4
50	13.1
WDAW4018P	4.3
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24	6.7
35	10.4
40	12.7
50	16.1

PATIO DOOR UNITS

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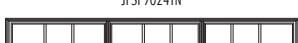
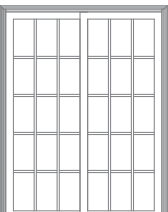
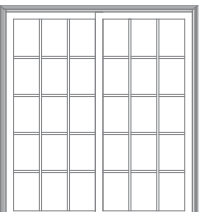
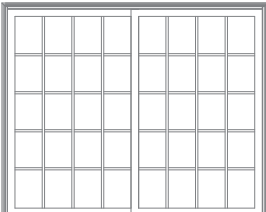
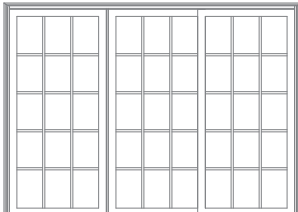


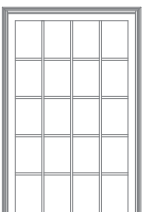
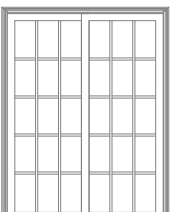
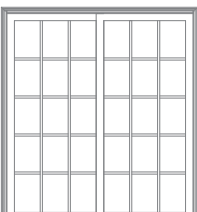
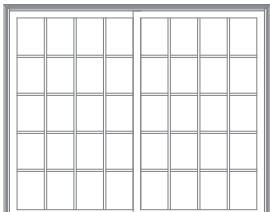
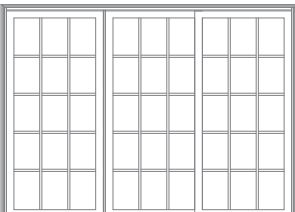
		Widths		
		4'-11 7/16"	5'-10 11/16"	8'-11 5/8"
		5'-0"	6'-0"	9'-0"
Heights	Unit Dimension			
	Rough Opening			
	Call Size			
6-7 1/2"	6-8"	6-8"		
6-9 1/2"	6-10"	6-10"		
7-11 1/2"	8-0"	8-0"		
		JFFS 5068 AI	JFFS 6068 AI	JFFS 9068 SAI
		JFFS 50610 AI	JFFS 60610 AI	JFFS 90610 SAI
		JFFS 50610 AI	JFFS 60610 AI	JFFS 90610 SAI

		Stationary Panel Widths	
		2'-8"	3'-1 5/8"
		2'-9"	3'-2 5/8"
Heights	Unit Dimension		
	Rough Opening		
	Call Size		
6-7 1/2"	6-8"	6-8"	
6-9 1/2"	6-10"	6-10"	
7-11 1/2"	8-0"	8-0"	
		JFFS 2668	JFFS 3068
		JFFS 26610	JFFS 26610
		JFFS 2680	JFFS 2680

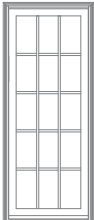
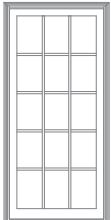
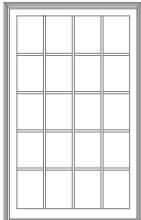
Standard & French Sliding Patio Doors – Transom & Elliptical Units

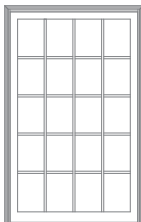
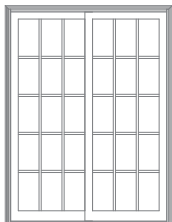
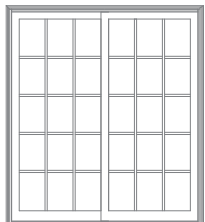
MW PRO SERIES 400, 300, 200

		Widths			
		4'-11 ⁷ / ₁₆ "	5'-10 ¹¹ / ₁₆ "	8'-0 ³ / ₁₆ "	8'-11 ⁷ / ₁₆ "
		5'-0 ⁷ / ₁₆ "	5'-11 ¹¹ / ₁₆ "	8'-1 ³ / ₁₆ "	9'-0 ⁷ / ₁₆ "
		5-0	6-0	8-0	9-0
Heights	Unit Dimension	0-11 ³ / ₈ "	0-11 ³ / ₈ "	0-11 ³ / ₈ "	0-11 ³ / ₈ "
	Rough Opening	0-11 ⁷ / ₈ "	0-11 ⁷ / ₈ "	0-11 ⁷ / ₈ "	0-11 ⁷ / ₈ "
	Call Size	0-10	0-10	0-10	0-10
					
					
					
					
					
					
					
					
					
					
					

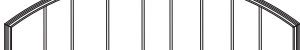
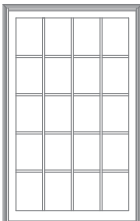
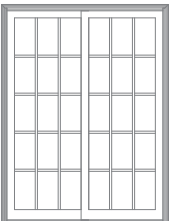
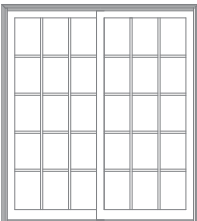
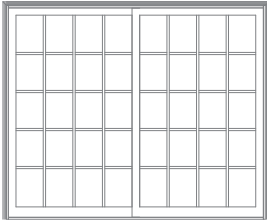
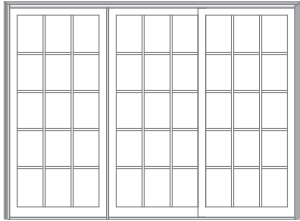
		Widths				
		4'-2 ³ / ₈ "	4'-11 ⁷ / ₁₆ "	5'-10 ¹¹ / ₁₆ "	8'-0 ³ / ₁₆ "	8'-11 ⁷ / ₁₆ "
		4'-3 ³ / ₈ "	5'-0 ⁷ / ₁₆ "	5'-11 ¹¹ / ₁₆ "	8'-1 ³ / ₁₆ "	9'-0 ⁷ / ₁₆ "
		4-0	5-0	6-0	8-0	9-0
Heights	Unit Dimension	0'-10 ¹ / ₂ "	1'-0 ¹¹ / ₁₆ "	1'-4 ¹ / ₈ "	1'-8 ⁹ / ₁₆ "	2'-0 ⁵ / ₈ "
	Rough Opening	0'-11"	1'-1 ³ / ₁₆ "	1'-4 ³ / ₈ "	1'-9 ¹ / ₁₆ "	2'-1 ¹ / ₈ "
	Call Size					
						
						

Standard & French Sliding Patio Doors – Transom & Circle Head Units

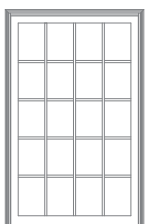
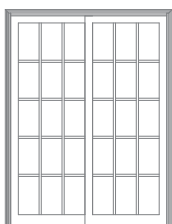
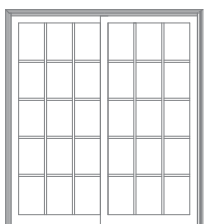
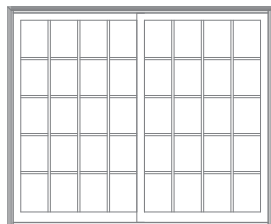
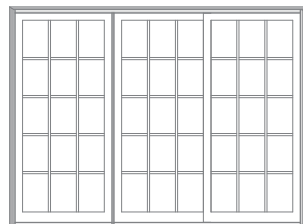
Heights	Widths		
	2'-8"	3'-1 ⁵ / ₈ "	4'-2 ³ / ₈ "
	2'-9"	3'-2 ⁵ / ₈ "	4'-3 ³ / ₈ "
	2-6	3-0	4-0
Unit Dimension	0-11 ³ / ₈ "	0-11 ⁷ / ₈ "	0-10
Rough Opening	1-1 ³ / ₈ "	1-1 ⁷ / ₈ "	1-0
Call Size	1-2	2-0	2-4
			
			
			
			
			
			

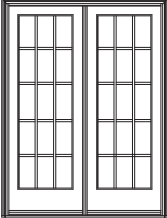
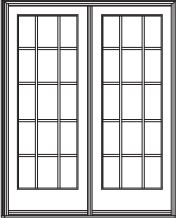
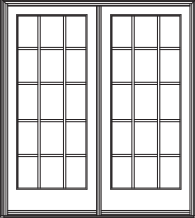
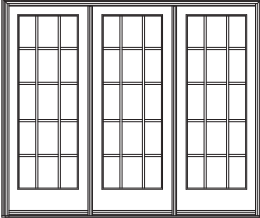
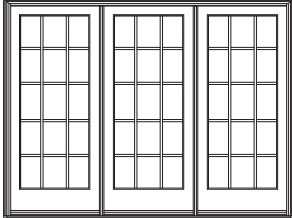
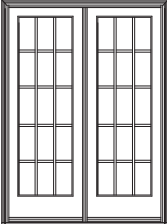
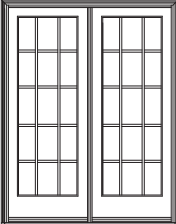
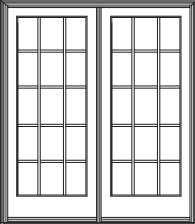
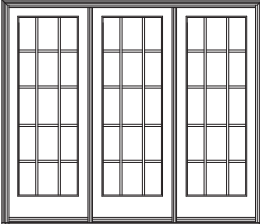
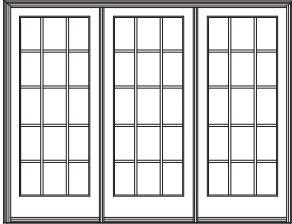
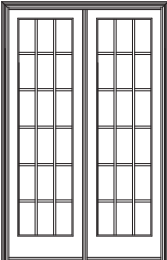
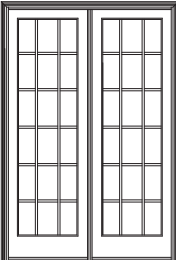
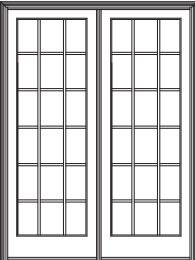
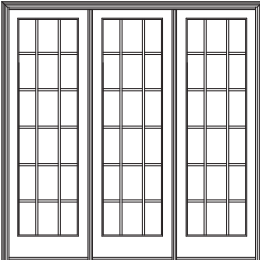
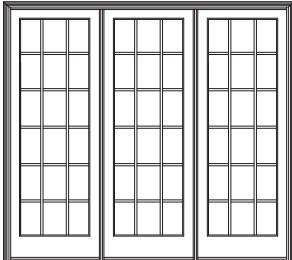
Heights	Widths				
	2'-8"	3'-1 ⁵ / ₈ "	4'-2 ³ / ₈ "	4'-11 ⁷ / ₈ "	5'-10 ¹¹ / ₁₆ "
	2'-9"	3'-2 ⁵ / ₈ "	4'-3 ³ / ₈ "	5'-0 ⁷ / ₁₆ "	5'-11 ¹¹ / ₁₆ "
	2-6	3-0	4-0	5-0	6-0
Unit Dimension	1'-5 ¹ / ₄ "	1'-8 ¹ / ₁₆ "	2'-2 ² / ₁₆ "	2'-7"	3'-0 ⁵ / ₈ "
Rough Opening	1'-5 ³ / ₄ "	1'-8 ⁹ / ₁₆ "	2'-2 ¹⁵ / ₁₆ "	2'-7 ¹ / ₂ "	3'-1 ¹ / ₈ "
Call Size					
					
					

Standard Colonial Grille Pattern Widths

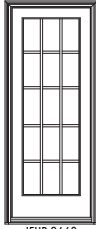
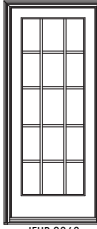
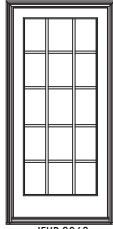
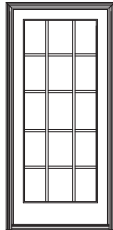
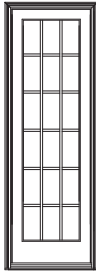
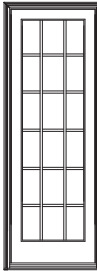
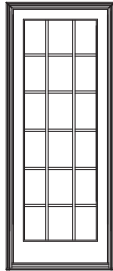
		4' - 2 ³ / ₁₆ "	4' - 11 ⁷ / ₁₆ "	5' - 10 ¹¹ / ₁₆ "	8' - 0 ³ / ₁₆ "	8' - 11 ⁷ / ₁₆ "
		4' - 3 ⁹ / ₁₆ "	5' - 0 ⁷ / ₁₆ "	5' - 11 ¹¹ / ₁₆ "	8' - 1 ³ / ₁₆ "	9' - 0 ⁷ / ₁₆ "
		4-0	5-0	6-0	8-0	9-0
Heights	Unit Dimension Rough Opening Call Size					
	0-6	 JFSP4006AH 1' - 3 ¹³ / ₁₆ " 1' - 4 ⁵ / ₁₆ "	 JFSP5006AH 1' - 5 ⁵ / ₁₆ " 1' - 5 ¹³ / ₁₆ "	 JFSP6006AH 1' - 7 ³ / ₁₆ " 1' - 7 ¹¹ / ₁₆ "	 JFSP8006AH 1' - 11 ⁷ / ₁₆ " 1' - 11 ¹⁵ / ₁₆ "	 JFSP9006AH 2' - 1 ⁵ / ₁₆ " 2' - 1 ¹³ / ₁₆ "
	0-10	 JFSP4010AH 1' - 7 ¹³ / ₁₆ " 1' - 8 ⁵ / ₁₆ "	 JFSP5010AH 1' - 9 ⁵ / ₁₆ " 1' - 9 ¹³ / ₁₆ "	 JFSP6010AH 1' - 11 ³ / ₁₆ " 1' - 11 ¹¹ / ₁₆ "	 JFSP8010AH 2' - 3 ⁷ / ₁₆ " 2' - 3 ¹⁵ / ₁₆ "	 JFSP9010AH 2' - 5 ⁵ / ₁₆ " 2' - 5 ¹³ / ₁₆ "
	1-0	 JFSP4010AH 1' - 9 ¹³ / ₁₆ " 1' - 10 ⁵ / ₁₆ "	 JFSP5010AH 1' - 11 ⁵ / ₁₆ " 1' - 11 ¹³ / ₁₆ "	 JFSP6010AH 2' - 1 ³ / ₁₆ " 2' - 1 ¹¹ / ₁₆ "	 JFSP8010AH 2' - 5 ⁷ / ₁₆ " 2' - 5 ¹⁵ / ₁₆ "	 JFSP9010AH 2' - 7 ⁵ / ₁₆ " 2' - 7 ¹³ / ₁₆ "
	1-2	 JFSP4012AH 1' - 11 ¹³ / ₁₆ " 2' - 0 ⁵ / ₁₆ "	 JFSP5012AH 2' - 1 ⁵ / ₁₆ " 2' - 1 ¹³ / ₁₆ "	 JFSP6012AH 2' - 3 ³ / ₁₆ " 2' - 3 ¹¹ / ₁₆ "	 JFSP8012AH 2' - 7 ⁷ / ₁₆ " 2' - 7 ¹⁵ / ₁₆ "	 JFSP9012AH 2' - 9 ⁵ / ₁₆ " 2' - 9 ¹³ / ₁₆ "
	2-0	 JFSP4020AH 2' - 11 ¹ / ₁₆ " 2' - 11 ⁹ / ₁₆ "	 JFSP5020AH 3' - 0 ³ / ₁₆ " 3' - 1 ¹ / ₁₆ "	 JFSP6020AH 3' - 2 ⁷ / ₁₆ " 3' - 2 ¹⁵ / ₁₆ "	 JFSP8020AH 3' - 6 ¹¹ / ₁₆ " 3' - 7 ³ / ₁₆ "	
						

Optional Gothic Grille Pattern
Widths

Heights	Unit Dimension Rough Opening Curb Size	Optional Gothic Grille Pattern Widths				
		4' - 2 ³ / ₁₆ "	4' - 11 ⁷ / ₁₆ "	5' - 10 ¹¹ / ₁₆ "	8' - 0 ³ / ₁₆ "	8' - 11 ⁷ / ₁₆ "
		4' - 3 ³ / ₁₆ "	5' - 0 ⁷ / ₁₆ "	5' - 11 ¹¹ / ₁₆ "	8' - 1 ³ / ₁₆ "	9' - 0 ⁷ / ₁₆ "
		4-0	5-0	6-0	8-0	9-0
Unit height dimension is listed first under individual windows Rough Opening height dimension is listed second under individual windows	1-0	 JFSP4010AH 1' - 9 ¹³ / ₁₆ " 1' - 10 ⁵ / ₁₆ "	 JFSP5010AH 1' - 11 ⁵ / ₁₆ " 1' - 11 ¹³ / ₁₆ "	 JFSP6010AH 2' - 1 ³ / ₁₆ " 2' - 1 ¹¹ / ₁₆ "	 JFSP8010AH 2' - 5 ⁷ / ₁₆ " 2' - 5 ¹⁵ / ₁₆ "	 JFSP9010AH 2' - 7 ⁵ / ₁₆ " 2' - 7 ¹³ / ₁₆ "
	1-2	 JFSP4012AH 1' - 11 ¹³ / ₁₆ " 2' - 0 ⁵ / ₁₆ "	 JFSP5012AH 2' - 1 ⁵ / ₁₆ " 2' - 1 ¹³ / ₁₆ "	 JFSP6012AH 2' - 3 ³ / ₁₆ " 2' - 3 ¹¹ / ₁₆ "	 JFSP8012AH 2' - 7 ⁷ / ₁₆ " 2' - 7 ¹⁵ / ₁₆ "	 JFSP9012AH 2' - 9 ⁵ / ₁₆ " 2' - 9 ¹³ / ₁₆ "
	2-0	 JFSP4020AH 2' - 11 ¹ / ₁₆ " 2' - 11 ⁹ / ₁₆ "	 JFSP5020AH 3' - 0 ⁹ / ₁₆ " 3' - 1 ¹ / ₁₆ "	 JFSP6020AH 3' - 2 ⁷ / ₁₆ " 3' - 2 ¹⁵ / ₁₆ "	 JFSP8020AH 3' - 6 ¹¹ / ₁₆ " 3' - 7 ³ / ₁₆ "	
						

		Widths				
		4'-11 7/16"	5'-3 7/16"	5'-10 11/16"	7'-10 5/8"	8'-9 7/16"
		5'-0 7/16"	5'-4 7/16"	5'-11 11/16"	7'-11 5/8"	8'-10 9/16"
		5-0	5-4	6-0	8-0	9-0
Heights	Unit Dimension					
	Rough Opening					
	Call Size					
6-7 1/2"	6-8"	 JFHP 5068	 JFHP 5468	 JFHP 6068	 JFHP 8068	 JFHP 9068
6-9 1/2"	6-10"	 JFHP 50610	 JFHP 54610	 JFHP 60610	 JFHP 80610	 JFHP 90610
7-11 1/2"	8-0"	 JFHP 50610	 JFHP 54610	 JFHP 60610	 JFHP 80610	 JFHP 90610

Center Hinged Patio Doors – Operating or Matching Stationary Units

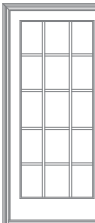
		Widths		
Heights	Unit Dimension Rough Opening Call Size	2'-6 ³ / ₁₆ "	2'-8 ³ / ₁₆ "	2'-11 ¹³ / ₁₆ "
		2'-7 ³ / ₁₆ "	2'-9 ³ / ₁₆ "	3'-0 ¹³ / ₁₆ "
		2-6	2-8	3-0
6-7 ¹ / ₂ "	6-8"	 JFHP 2668	 JFHP 2868	 JFHP 3068
6-9 ¹ / ₂ "	6-10"	 JFHP 26610	 JFHP 28610	 JFHP 30610
7-11 ¹ / ₂ "	8-0"	 JFHP 2680	 JFHP 2880	 JFHP 3080

NOTE: Add the suffix "X" to the end of the above unit numbers to designate operating units.

Center Hinged Patio Doors – Transom Units

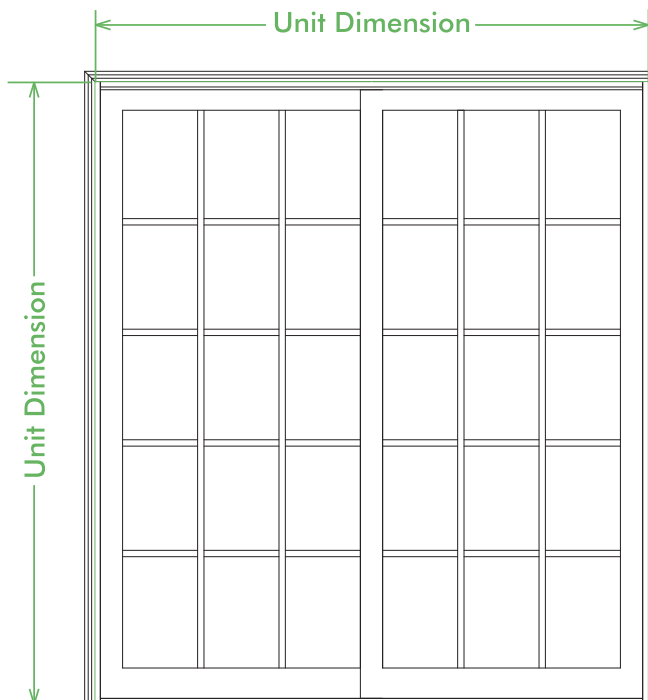
MW PRO SERIES 400, 300, 200

		Widths				
		4'-11 7/16"	5'-3 7/16"	5'-10 11/16"	7'-10 5/8"	8'-9 9/16"
		5'-0 7/16"	5'-4 7/16"	5'-11 11/16"	7'-11 5/8"	8'-10 9/16"
		5-0	5-4	6-0	8-0	9-0
Heights	Unit Dimension	Rough Opening				
	Call Size					
	0-11 3/8"	0-11 7/8"	0-10			
		 JFHP50010TN	 JFHP54010TN	 JFHP60010TN	 JFHP80010TN	 JFHP90010TN
		 JFHP50010SGTN	 JFHP54010SGTN	 JFHP60010SGTN	 JFHP80010SGTN	 JFHP90010SGTN
	1-1 3/8"	1-1 7/8"	1-0			
		 JFHP5010TN	 JFHP5410TN	 JFHP6010TN	 JFHP8010TN	 JFHP9010TN
		 JFHP5010SGTN	 JFHP5410SGTN	 JFHP6010SGTN	 JFHP8010SGTN	 JFHP9010SGTN
	1-3 3/8"	1-3 7/8"	1-2			
		 JFHP5012TN	 JFHP5412TN	 JFHP6012TN	 JFHP8012TN	 JFHP9012TN
	 JFHP5012SGTN	 JFHP5412SGTN	 JFHP6012SGTN	 JFHP8012SGTN	 JFHP9012SGTN	
2-2 3/8"	2-3 1/8"	2-0				
	 JFHP5020TN	 JFHP5420TN	 JFHP6020TN	 JFHP8020TN	 JFHP9020TN	
	 JFHP5020SGTN	 JFHP5420SGTN	 JFHP6020SGTN	 JFHP8020SGTN	 JFHP9020SGTN	
2-6 5/8"	2-7 1/8"	2-4				
	 JFHP5024TN	 JFHP5424TN	 JFHP6024TN	 JFHP9024TN	 JFHP9024TN	
	 JFHP5024SGTN	 JFHP5424SGTN	 JFHP6024SGTN	 JFHP9024SGTN	 JFHP9024SGTN	
			 JFHP5024SGTN	 JFHP5424SGTN	 JFHP6024SGTN	 JFHP9024SGTN
				 JFHP5024SGTN	 JFHP5424SGTN	 JFHP6024SGTN

		Widths		
Heights	Unit Dimension Rough Opening Call Size	2'-6 ³ / ₁₆ "	2'-8 ³ / ₁₆ "	2'-11 ¹³ / ₁₆ "
		2'-7 ³ / ₁₆ "	2'-9 ³ / ₁₆ "	3'-0 ¹³ / ₁₆ "
		2-6	2-8	3-0
2'-6 ⁵ / ₈ "	0-11 ³ / ₈ "	 JFHP26010TN	 JFHP28010TN	 JFHP30010TN
2'-2 ⁵ / ₈ "	1-1 ³ / ₈ "	 JFHP2610TN	 JFHP2810TN	 JFHP3010TN
2'-3 ¹ / ₈ "	1-3 ⁷ / ₈ "	 JFHP2612TN	 JFHP2812TN	 JFHP3012TN
2'-7 ¹ / ₈ "	2-0	 JFHP2620TN	 JFHP2820TN	 JFHP3020TN
2'-4	2-4	 JFHP2624TN	 JFHP2824TN	 JFHP3024TN
				

Standard Sliding Patio Door – Actual Unit Dimensions

MW PRO SERIES 400, 300, 200



Door, Sidelight & Stationary Panel Units, HEIGHT

CALL SIZE (HEIGHT)	HEIGHT IN INCHES
6-8	79½
6-10	81½

Door, Stationary Panel & Single Transom Units, WIDTH

CALL SIZE (WIDTH)	2-6	3-0	4-0	5-0	6-0	8-0	9-0
Width in Inches	32	37 ⁵ / ₈	50 ³ / ₈	59 ⁷ / ₁₆	70 ¹¹ / ₁₆	96 ³ / ₁₆	107 ⁷ / ₁₆

Transom Units, HEIGHT

CALL SIZE (HEIGHT)	HEIGHT IN INCHES
0-10	11 ³ / ₈
1-0	13 ³ / ₈
1-2	15 ³ / ₈
2-0	26 ⁵ / ₈
2-4	30 ⁵ / ₈

Twin Transom Units, WIDTH

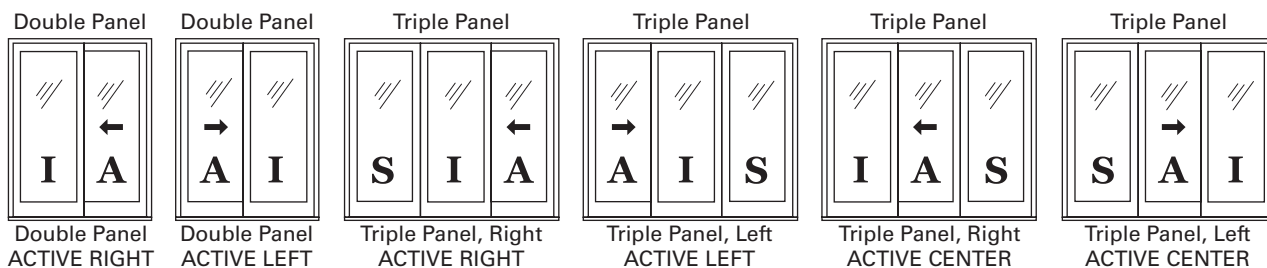
CALL SIZE (WIDTH)	5-0	6-0	8-0
RIGHT SIDE (Width in Inches)	29 ⁹ / ₁₆	35 ³ / ₁₆	47 ¹⁵ / ₁₆
LEFT SIDE (Width in Inches)	29 ⁹ / ₁₆	35 ³ / ₁₆	47 ¹⁵ / ₁₆

9-0 Triple Transom Units, WIDTH

PANEL CONFIGURATION	LEFT	CENTER	RIGHT
SIA	36 ¹⁵ / ₁₆	34 ⁷ / ₈	35 ¹ / ₁₆
SAI	36 ¹⁵ / ₁₆	34 ⁷ / ₈	35 ¹ / ₁₆
AIS	35 ¹ / ₁₆	34 ⁷ / ₈	36 ¹⁵ / ₁₆
IAS	35 ¹ / ₁₆	34 ⁷ / ₈	36 ¹⁵ / ₁₆

DOOR OPERATION CONFIGURATION OPTIONS

EXTERIOR VIEW OF DOORS



I=inactive panel

S=Fixed panel

A=active panel.

Standard Sliding Patio Door – Net Clear & Daylight Opening Dimensions

Door Units

Call Size	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
WDSP5068	22.469	76.438	11.93	24.5
50610	22.469	78.438	12.24	25.2
6068	29.000	76.438	15.39	30.0
60610	29.000	78.438	15.80	30.9
8068	41.750	76.438	22.16	42.7
80610	41.750	78.438	22.74	43.8
9068	29.000	76.438	15.39	45.1
90610	29.000	78.438	15.80	46.3

Stationary Panel Units

Call Size	Daylight Opening S.F.
WDSP2668	12.4
610	12.7
WDSP3068	15.1
610	15.6
WDSP4068	21.4
610	22.0

Single Transom Units

Call Size	Daylight Opening S.F.
WDSPTN26010	1.8
10	2.2
12	2.6
20	4.9
24	5.8
WDSPTN30010	2.2
10	2.7
12	3.1
20	5.9
24	6.9
WDSPTN40010	3.0
10	3.6
12	4.3
20	8.0
24	9.4
WDSPTN50010	3.5
10	4.3
12	5.1
20	9.5
24	11.1
WDSPTN60010	4.2
10	5.1
12	6.1
20	11.4
24	13.3
WDSPTN80010	5.8
10	7.1
12	8.4
20	15.7
24	18.3
WDSPTN9010	7.9
12	9.4
20	17.6
24	20.5

Twin Transom Units

Call Size	Daylight Opening S.F.
WDSPTN50010	1.7
10	2.0
12	2.4
20	4.5
24	5.3
WDSPTN60010	2.0
10	2.5
12	2.9
20	5.5
24	6.4
WDSPTN80010	2.8
10	3.4
12	4.1
20	7.6
24	8.9

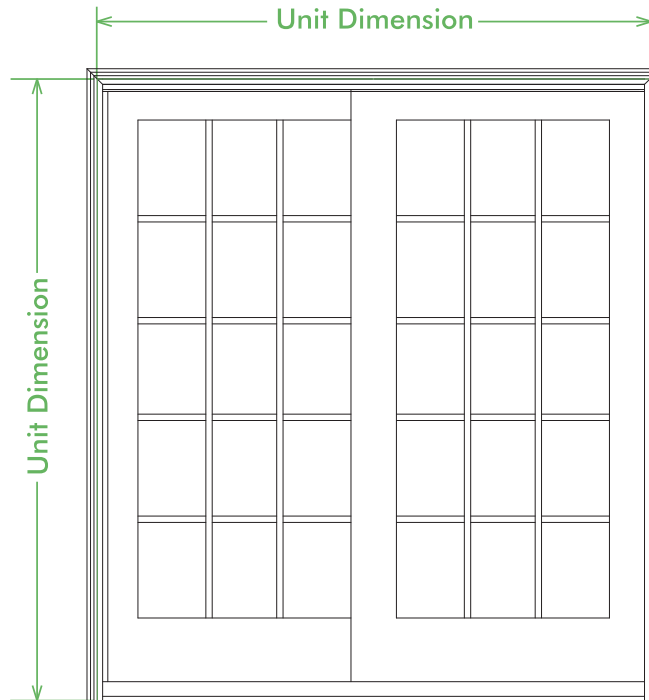
9-0 Triple Transom Units

PANEL CONFIGURATION*	Call Size	Daylight Opening S.F.
S (stationary panel)	WDSPTN90010	2.1
	10	2.6
	12	3.1
	20	5.8
	24	6.7
I (inactive panel)	WDSPTN90010	2.0
	10	2.5
	12	2.9
	20	5.5
	24	6.4
A (active panel)	WDSPTN90010	2.0
	10	2.4
	12	2.9
	20	5.4
	24	6.3

* See opposite page for panel configuration explanation.

French Sliding Patio Door – Actual Unit Dimensions

MW PRO SERIES 400, 300, 200



Door, Sidelight & Stationary Panel Units, HEIGHT

CALL SIZE (HEIGHT)	HEIGHT IN INCHES
6-8	79½
6-10	81½
8-0	95½

Door & Stationary Panel Units, WIDTH

CALL SIZE (WIDTH)	2-6	3-0	5-0	6-0	9-0
Width in Inches	32	37⅝	59⅞	70⅞	107⅝

Single Transom Units, WIDTH

CALL SIZE (WIDTH)	2-6	3-0	5-0	6-0	9-0
Width in Inches	32	37⅝	59⅞	70⅞	107⅞

Transom Units, HEIGHT

CALL SIZE (HEIGHT)	HEIGHT IN INCHES
0-10	11⅜
1-0	13⅜
1-2	15⅜
2-0	26⅝
2-4	30⅝

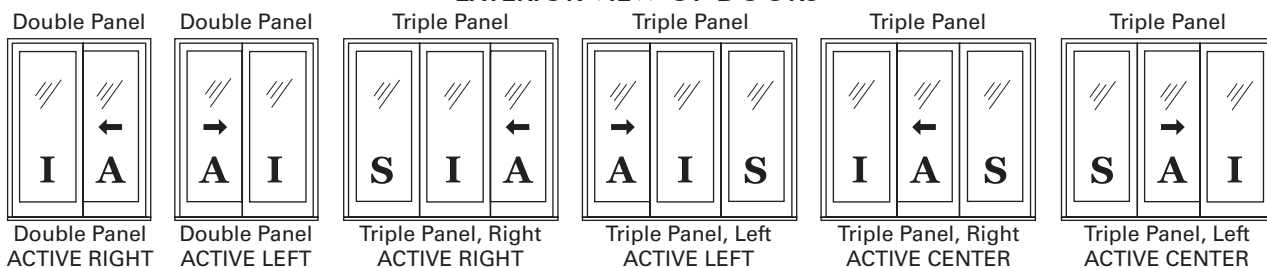
Twin Transom Units, WIDTH

CALL SIZE (WIDTH)	5-0	6-0
RIGHT SIDE (Width in Inches)	29⅞	35⅜
LEFT SIDE (Width in Inches)	29⅞	35⅜

9-0 Triple Transom Units, WIDTH

PANEL CONFIGURATION	LEFT	CENTER	RIGHT
SIA	36⅝	34⅞	35⅜
SAI	36⅝	34⅞	35⅜
 AIS	35⅜	34⅞	36⅝
 IAS	35⅜	34⅞	36⅝

DOOR OPERATION CONFIGURATION OPTIONS EXTERIOR VIEW OF DOORS



I=inactive panel

S=Fixed panel

A=active panel.

French Sliding Patio Door – Net Clear & Daylight Opening Dimensions

Door Units

Call Size	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
WDFS5068	22.000	76.438	11.68	19.1
50610	22.000	78.438	11.98	19.7
5080	22.000	92.438	14.12	23.9
6068	28.500	76.438	15.13	24.1
60610	28.500	78.438	15.52	24.8
6080	28.500	92.438	18.29	30.1
8068	22.000	76.438	11.68	36.1
80610	22.000	78.438	11.98	37.2
8080	22.000	92.438	14.12	45.2

Stationary Panel Units

Call Size	Daylight Opening S.F.
WDFS2668	9.6
610	9.9
80	12.0
WDFS3068	12.0
610	12.4
80	15.1

Single Transom Units

Call Size	Daylight Opening S.F.
WDSPTN26010	1.8
10	2.2
12	2.6
20	4.9
24	5.8
WDSPTN30010	2.2
10	2.7
12	3.1
20	5.9
24	6.9
WDSPTN40010	3.0
10	3.6
12	4.3
20	8.0
24	9.4
WDSPTN50010	3.5
10	4.3
12	5.1
20	9.5
24	11.1
WDSPTN60010	4.2
10	5.1
12	6.1
20	11.4
24	13.3
WDSPTN80010	5.8
10	7.1
12	8.4
20	15.7
24	18.3
WDSPTN9010	7.9
12	9.4
20	17.6
24	20.5

Twin Transom Units

Call Size	Daylight Opening S.F.
WDSPTN50010	1.7
10	2.0
12	2.4
20	4.5
24	5.3
WDSPTN60010	2.0
10	2.5
12	2.9
20	5.5
24	6.4
WDSPTN80010	2.8
10	3.4
12	4.1
20	7.6
24	8.9

9-0 Triple Transom Units

PANEL CONFIGURATION*	Call Size	Daylight Opening S.F.
S (stationary panel)	WDSPTN90010	2.1
	10	2.6
	12	3.1
	20	5.8
	24	6.7
I (inactive panel)	WDSPTN90010	2.0
	10	2.5
	12	2.9
	20	5.5
	24	6.4
A (active panel)	WDSPTN90010	2.0
	10	2.4
	12	2.9
	20	5.4
	24	6.3

* See opposite page for panel configuration explanation.

Center Hinged Patio Door – Actual Unit Dimensions

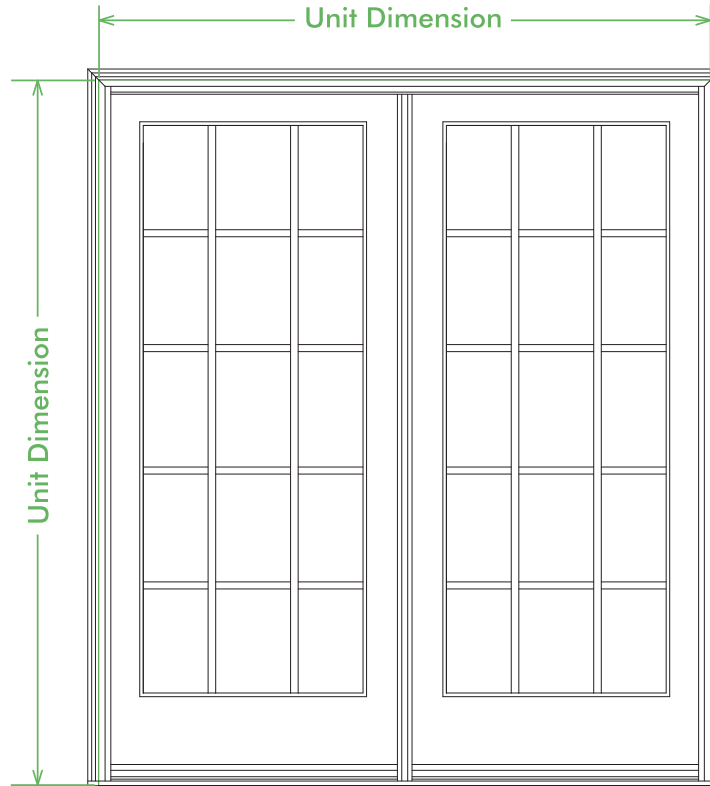
MW PRO SERIES 400, 300, 200

Door, Sidelight & Stationary Panel Units, HEIGHT

CALL SIZE (HEIGHT)	HEIGHT IN INCHES
6-8	79½
6-10	81½
8-0	95½

Transom Units, HEIGHT

CALL SIZE (HEIGHT)	HEIGHT IN INCHES
0-10	11⅜
1-0	13⅜
1-2	15⅜
2-0	26⅝
2-4	30⅝



Door, Stationary Panel & Single Transom Units, WIDTH

CALL SIZE (WIDTH)	2-6	2-8	3-0	5-0	5-4	6-0	8-0	9-0
Width in Inches	30⅜	32⅜	35⅜	59⅜	63⅜	70⅜	94⅜	105⅜

Twin Transom Units, WIDTH

CALL SIZE (WIDTH)	5-0	5-4	6-0
RIGHT SIDE (Width in Inches)	29⅞	31⅞	35⅜
LEFT SIDE (Width in Inches)	29⅞	31⅞	35⅜

8-0 Triple Transom Units, WIDTH

PANEL CONFIGURATION	LEFT	CENTER	RIGHT
OXO	31⅞	30⅜	31⅞
XOO	30⅜	31⅞	31⅞
OOX	31⅞	31⅞	30⅜

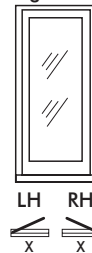
9-0 Triple Transom Units, WIDTH

PANEL CONFIGURATION	LEFT	CENTER	RIGHT
OXO	35⅜	34⅜	35⅜
XOO	34⅜	35⅜	35⅜
OOX	35⅜	35⅜	34⅜

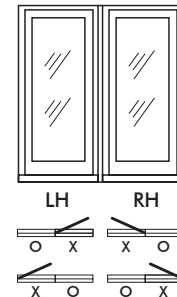
DOOR OPERATION CONFIGURATION OPTIONS

EXTERIOR VIEW OF DOORS

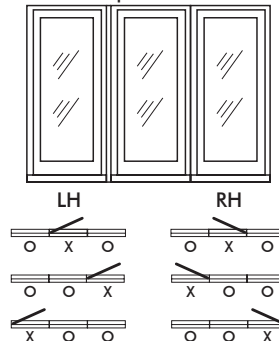
Single Panel



Double Panel



Triple Panel



O=Stationary panel
X= Operable panel
LH=Left hand swing
RH=Right hand swing

Center Hinged Patio Door – Net Clear & Daylight Opening Dimensions

Door Units

Call Size	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
WDHP2668X	27.531	76.313	14.59	8.7
26610X	27.531	78.313	14.97	9.0
2680X	27.531	92.313	17.65	10.9
WDHP2868X	29.531	76.313	15.65	9.6
28610X	29.531	78.313	16.06	9.9
2880X	29.531	92.313	18.93	12.0
WDHP3068X	33.156	76.313	17.57	11.2
30610X	33.156	78.313	18.03	11.5
3080	33.156	92.313	21.26	14.0
WDHP5068	27.531	76.313	14.59	17.4
50610	27.531	78.313	14.97	17.9
5080	27.531	92.313	17.65	21.8

Call Size	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
WDHP5468	29.531	76.313	15.65	19.1
54610	29.531	78.313	16.06	19.7
5480	29.531	92.313	18.93	24.0
WDHP6068	33.156	76.313	17.57	22.3
60610	33.156	78.313	18.03	23.0
6080	33.156	92.313	21.26	28.0
WDHP9068	33.156	76.313	17.57	33.5
90610	33.156	78.313	18.03	34.6
9080	33.156	92.313	21.26	42.0

Stationary Panel Units

Call Size	Daylight Opening S.F.
WDHP2668	8.7
610	9.0
80	10.9
WDHP2868	9.6
610	9.9
80	12.0
WDHP3068	11.2
610	11.5
80	14.0

Single Transom Units

Call Size	Daylight Opening S.F.
WDSPTN26010	1.7
10	2.1
12	2.5
20	4.6
24	5.4
WDSPTN28010	1.8
10	2.2
12	2.7
20	5.0
24	5.8

Call Size	Daylight Opening S.F.
WDSPTN30010	2.1
10	2.5
12	3.0
20	5.6
24	6.5
WDSPTN50010	3.5
10	4.3
12	5.1
20	9.5
24	11.1

Call Size	Daylight Opening S.F.
WDSPTN54010	3.8
10	4.6
12	5.4
20	10.2
24	11.9
WDSPTN60010	4.2
10	5.1
12	6.1
20	11.4
24	13.3

Call Size	Daylight Opening S.F.
WDSPTN80010	5.7
10	7.0
12	8.2
20	15.4
24	18.0
WDSPTN90010	6.4
10	7.8
12	9.2
20	17.3
24	20.1

Twin Transom Units

Call Size	Daylight Opening S.F.
WDSPTN50010	1.7
10	2.0
12	2.4
20	4.5
24	5.3
WDSPTN54010	1.8
10	2.2
12	2.6
20	4.9
24	5.7
WDSPTN60010	2.0
10	2.5
12	2.9
20	5.5
24	6.4

Triple Transom Units

PANEL CONFIGURATION*	Call Size	Daylight Opening S.F.
XOO OR OOX	WDSPTN80010	1.8
	10	2.2
	12	2.6
	20	4.9
	24	5.7
OXO	WDSPTN80010	1.8
	10	2.1
	12	2.5
	20	4.8
	24	5.6

PANEL CONFIGURATION*	Call Size	Daylight Opening S.F.
XOO OR OOX	WDSPTN90010	2.0
	10	2.5
	12	2.9
	20	5.5
	24	6.4
OXO	WDSPTN90010	2.0
	10	2.4
	12	2.9
	20	5.4
	24	6.3

* See opposite page for panel configuration explanation.



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