



A WHOLE NEW POINT OF VIEW.

TABLE OF CONTENTS

Technical Drawings..... 3

Grille Options, Patterns and Profiles4

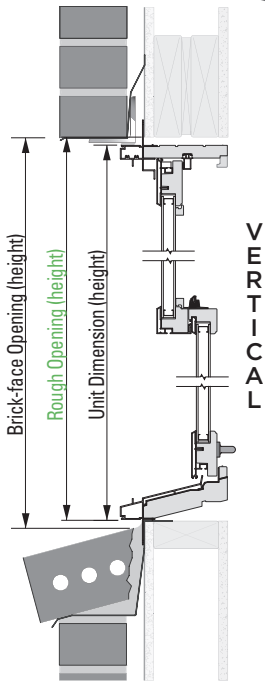
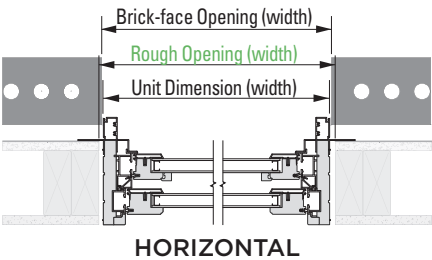
Double Hung Size Elevations5

Casement Size Elevations 31

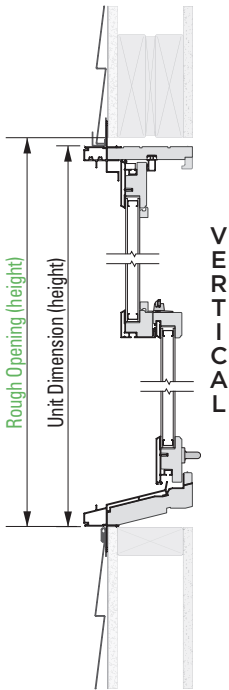
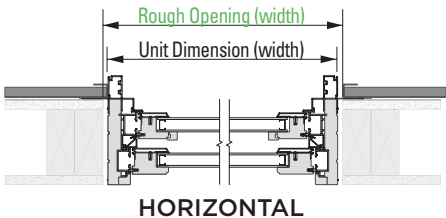
Awning Size Elevations65

Patio Door Size Elevations 72

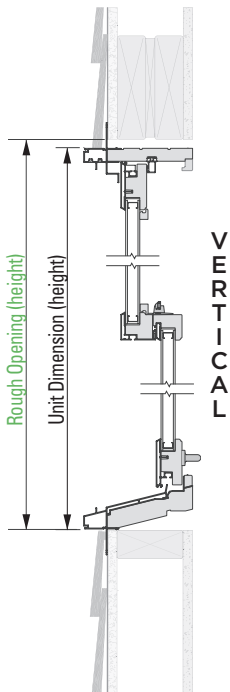
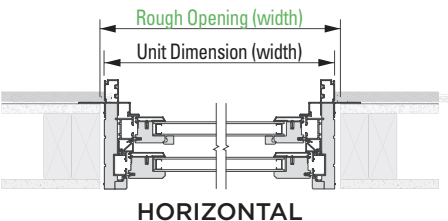
Brick Siding



Vinyl Siding



Wood Siding



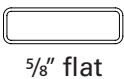
Grille Options, Patterns and Profiles

The grille options, patterns and profiles below are available across the entire MIRA® window and door product line.

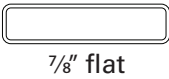
MIRA® window and door product line.

Grille Options and Profiles GBG (Grilles-between-the-glass)

*Note: only available in white only



5/8" flat



7/8" flat

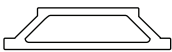


5/8" sculptured

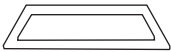


1" contoured*

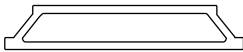
SDL (Simulated Divided Lite)



7/8" (with or without shadow bar)



7/8" putty (with or without shadow bar)



1 1/4" (with or without shadow bar)

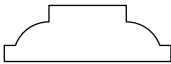


2 1/4" simulated checkrail
(CA & Fixed units only)



2 1/4" simulated checkrail putty
(CA & Fixed units only)

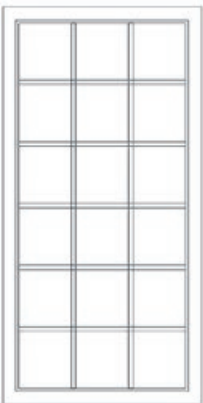
Full Surround



7/8" removable wood

Patterns

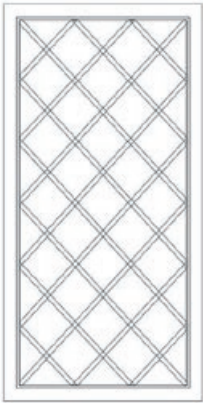
Standard Grille Patterns



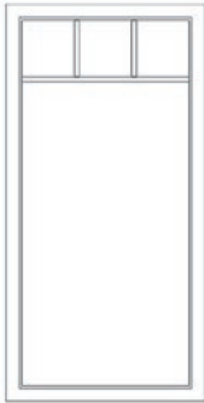
Colonial



Prairie



Diamond



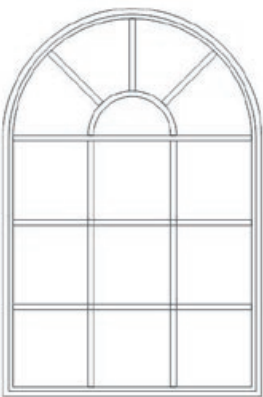
Plaza



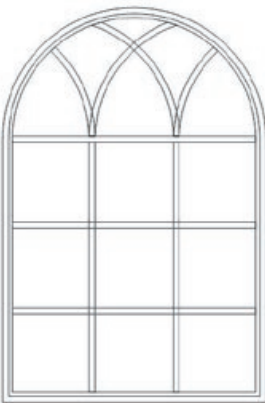
Half Colonial

*Custom grille patterns are available.

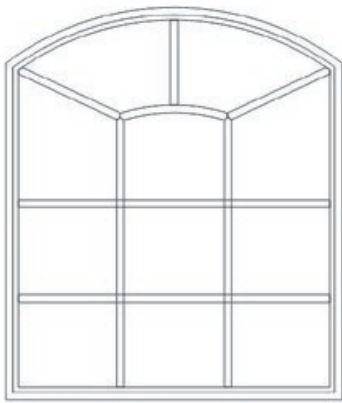
Optional Grille Patterns for Architectural Shapes



Hub and Spoke



Gothic



Renaissance

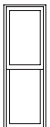
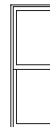
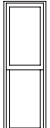
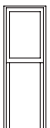
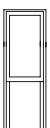
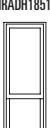
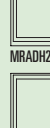
Double Hung – Single Operating Units

		Widths								
		1'-9 3/8"	2'-1 3/8"	2'-5 3/8"	2'-7 3/8"	2'-9 3/8"	3'-1 3/8"	3'-5 3/8"	3'-9 3/8"	
		1'-10 3/8"	2'-2 3/8"	2'-6 3/8"	2'-8 3/8"	2'-10 3/8"	3'-2 3/8"	3'-6 3/8"	3'-10 3/8"	
		1-8	2-0	2-4	2-6	2-8	3-0	3-4	3-8	
Heights	Unit Dimension									
	Rough Opening									
	Call Size									
	3'-0 9/16"	2-10								
	3'-4 9/16"	3-2								
	3'-8 9/16"	3-6								
	4'-0 9/16"	3-10								
	4'-4 9/16"	4-2								
	4'-8 9/16"	4-6								
	5'-0 9/16"	4-10								
	5'-1 1/16"	4-10								
			MRADH18210	MRADH20210	MRADH24210	MRADH26210	MRADH28210	MRADH30210	MRADH34210	MRADH38210
			MRADH1832	MRADH2032	MRADH2432	MRADH2632	MRADH2832	MRADH3032	MRADH3432	MRADH3832
			MRADH1836	MRADH2036	MRADH2436	MRADH2636	MRADH2836	MRADH3036	MRADH3436	MRADH3836
			MRADH18310	MRADH20310	MRADH24310	MRADH26310	MRADH28310	MRADH30310	MRADH34310	MRADH38310
			MRADH1842	MRADH2042	MRADH2442	MRADH2642	MRADH2842	MRADH3042	MRADH3442	MRADH3842
			MRADH1846	MRADH2046	MRADH2446	MRADH2646	MRADH2846	MRADH3046	MRADH3446	MRADH3846
			MRADH18410	MRADH20410	MRADH24410	MRADH26410	MRADH2810	MRADH30410	MRADH34410	MRADH38410

NOTE:

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

Double Hung – Single Operating Units

		Widths							
		1'-9 3/8"	2'-1 3/8"	2'-5 3/8"	2'-7 3/8"	2'-9 3/8"	3'-1 3/8"	3'-5 3/8"	3'-9 3/8"
		1'-10 3/8"	2'-2 3/8"	2'-6 3/8"	2'-8 3/8"	2'-10 3/8"	3'-2 3/8"	3'-6 3/8"	3'-10 3/8"
		1-8	2-0	2-4	2-6	2-8	3-0	3-4	3-8
Heights	Unit Dimension								
	Rough Opening Call Size								
5'-4 9/16"	5'-5 1/16"								
	5'-2					MRADH2852	MRADH3052	MRADH3452	MRADH3852
5'-8 9/16"	5'-9 1/16"								
	5'-6E	MRADH1856E	MRADH2056E	MRADH2456E	MRADH2656E	MRADH2856E	MRADH3056E	MRADH3456E	MRADH3856E
5'-8 9/16"	5'-9 1/16"								
	5'-6C	MRADH1856C	MRADH2056C	MRADH2456C	MRADH2656C	MRADH2856C	MRADH3056C	MRADH3456C	MRADH3856C
6'-0 9/16"	6'-1 1/16"								
	5'-10	MRADH18510	MRADH20510	MRADH24510	MRADH26510	MRADH28510	MRADH30510	MRADH34510	MRADH38510
6'-4 9/16"	6'-5 1/16"								
	6'-2	MRADH1862	MRADH2062	MRADH2462	MRADH2662	MRADH2862	MRADH3062	MRADH3462	MRADH3862
6'-8 9/16"	6'-9 1/16"								
	6'-6	MRADH1866	MRADH2066	MRADH2466	MRADH2666	MRADH2866	MRADH3066	MRADH3466	MRADH3866
7'-2 9/16"	7'-3 1/16"								
	7'-0	MRADH1870	MRADH2070	MRADH2470	MRADH2670	MRADH2870	MRADH3070	MRADH3470	MRADH3870

NOTE:

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

Double Hung – Twin Operating Units

		Widths							
		3'-7 3/4"	4'-3 3/4"	4'-11 3/4"	5'-3 3/4"	5'-7 3/4"	6'-3 3/4"	6'-11 3/4"	7'-7 3/4"
		3'-8 3/4"	4'-4 3/4"	5'-0 3/4"	5'-4 3/4"	5'-8 3/4"	6'-4 3/4"	7'-0 3/4"	7'-8 3/4"
		1-8 Twin	2-0 Twin	2-4 Twin	2-6 Twin	2-8 Twin	3-0 Twin	3-4 Twin	3-8 Twin
Heights	Unit Dimension								
	Rough Opening Call Size								
3'-0 9/16"	2-10								
		MRADH18210-2	MRADH20210-2	MRADH24210-2	MRADH26210-2	MRADH28210-2	MRADH30210-2	MRADH34210-2	MRADH38210-2
3'-4 9/16"	3-2								
		MRADH1832-2	MRADH2032-2	MRADH2432-2	MRADH2632-2	MRADH2832-2	MRADH3032-2	MRADH3432-2	MRADH3832-2
3'-8 9/16"	3-6								
		MRADH1836-2	MRADH2036-2	MRADH2436-2	MRADH2636-2	MRADH2836-2	MRADH3036-2	MRADH3436-2	MRADH3836-2
4'-0 9/16"	3-10								
		MRADH18310-2	MRADH20310-2	MRADH24310-2	MRADH26310-2	MRADH28310-2	MRADH30310-2	MRADH34310-2	MRADH38310-2
4'-4 9/16"	4-2								
		MRADH1842-2	MRADH2042-2	MRADH2442-2	MRADH2642-2	MRADH2842-2	MRADH3042-2	MRADH3442-2	MRADH3842-2
4'-8 9/16"	4-6								
		MRADH1846-2	MRADH2046-2	MRADH2446-2	MRADH2646-2	MRADH2846-2	MRADH3046-2	MRADH3446-2	MRADH3846-2
5'-0 9/16"	4-10								
		MRADH18410-2	MRADH20410-2	MRADH24410-2	MRADH26410-2	MRADH28410-2	MRADH30410-2	MRADH34410-2	MRADH38410-2

NOTE:

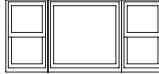
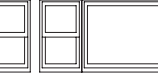
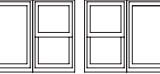
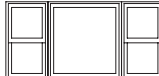
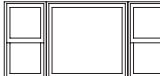
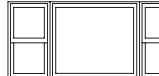
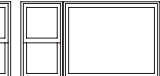
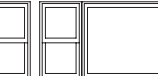
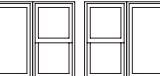
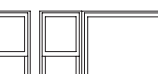
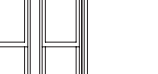
Shaded units satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area.

Double Hung – Twin Operating Units

		Widths							
		3'-7 3/4"	4'-3 3/4"	4'-11 3/4"	5'-3 3/4"	5'-7 3/4"	6'-3 3/4"	6'-11 3/4"	7'-7 3/4"
		3'-8 3/4"	4'-4 3/4"	5'-0 3/4"	5'-4 3/4"	5'-8 3/4"	6'-4 3/4"	7'-0 3/4"	7'-8 3/4"
		1-8 Twin	2-0 Twin	2-4 Twin	2-6 Twin	2-8 Twin	3-0 Twin	3-4 Twin	3-8 Twin
Heights	Unit Dimension Rough Opening Call Size								
	5'-4 9/16"	5'-5 1/16"	5'-2						
	5'-8 9/16"	5'-9 1/16"	5'-6E						
	5'-8 9/16"	5'-9 1/16"	5'-6C						
	6'-0 9/16"	6'-1 1/16"	5'-10						
	6'-4 9/16"	6'-5 1/16"	6'-2						
	6'-8 9/16"	6'-9 1/16"	6'-6						
	7'-2 9/16"	7'-3 1/16"	7'-0						
		MRADH1852-2	MRADH2052-2	MRADH2452-2	MRADH265-2	MRADH2852-2	MRADH3052-2	MRADH3452-2	MRADH3852-2
		MRADH1856E-2	MRADH2056E-2	MRADH2456E-2	MRADH2656E-2	MRADH2856E-2	MRADH3056E-2	MRADH3456E-2	MRADH3856E-2
		MRADH1856C-2	MRADH2056C-2	MRADH2456C-2	MRADH2656C-2	MRADH2856C-2	MRADH3056C-2	MRADH3456C-2	MRADH3856C-2
		MRADH18510-2	MRADH20510-2	MRADH24510-2	MRADH26510-2	MRADH28510-2	MRADH30510-2	MRADH34510-2	MRADH38510-2
		MRADH1862-2	MRADH2062-2	MRADH2462-2	MRADH2662-2	MRADH2862-2	MRADH3062-2	MRADH3462-2	MRADH3862-2
		MRADH1866-2	MRADH2066-2	MRADH2466-2	MRADH2666-2	MRADH2866-2	MRADH3066-2	MRADH3466-2	MRADH3866-2
		MRADH1870-2	MRADH2070-2	MRADH2470-2	MRADH2670-2	MRADH2870-2	MRADH3070-2	MRADH3470-2	MRADH3870-2

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

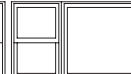
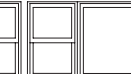
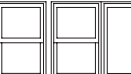
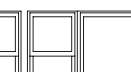
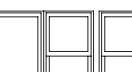
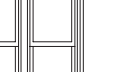
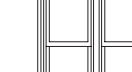
Double Hung – Combination 1-8 Operating Units

		Widths						
		6'–10 1⁄8"	7'–2 1⁄8"	7'–6 1⁄8"	7'–10 1⁄8"	8'–10 1⁄8"	9'–10 1⁄8"	
		6'–11 1⁄8"	7'–3 1⁄8"	7'–7 1⁄8"	7'–11 1⁄8"	8'–11 1⁄8"	9'–11 1⁄8"	
		18/30	18/34	18/38	18/40	18/50	18/60	
Heights	Unit Dimension Rough Opening Call Size							
	3'–0 9⁄16"	2–10						
	3'–4 9⁄16"	3–2						
	3'–8 9⁄16"	3–6						
	4'–0 9⁄16"	3–10						
	4'–4 9⁄16"	4–2						
	4'–8 9⁄16"	4–6						
	5'–0 9⁄16"	4–10						
		MRADH1830/210	MRADH1834/210	MRADH1838/210	MRADH1840/210	MRADH1850/210	MRADH1860/210	
		MRADH1830/32	MRADH1834/32	MRADH1838/32	MRADH1840/32	MRADH1850/32	MRADH1860/32	
		MRADH1830/36	MRADH1834/36	MRADH1838/36	MRADH1840/36	MRADH1850/36	MRADH1860/36	
		MRADH1830/310	MRADH1834/310	MRADH1838/310	MRADH1840/310	MRADH1850/310	MRADH1860/310	
		MRADH1830/42	MRADH1834/42	MRADH1838/42	MRADH1840/42	MRADH1850/42	MRADH1860/42	
		MRADH1830/46	MRADH1834/46	MRADH1838/46	MRADH1840/46	MRADH1850/46	MRADH1860/46	
		MRADH1830/410	MRADH1834/410	MRADH1838/410	MRADH1840/410	MRADH1850/410	MRADH1860/410	

Double Hung – Combination 1-8 Operating Units

		Widths					
		7'-6 1/8"	7'-10 1/8"	8'-2 1/8"	8'-6 1/8"	9'-6 1/8"	10'-6 1/8"
		7'-7 1/8"	7'-11 1/8"	8'-3 1/8"	8'-7 1/8"	9'-7 1/8"	10'-7 1/8"
		18/30	18/34	18/38	18/40	18/50	18/60
Heights	Unit Dimension Rough Opening Call Size						
	5'-4 9/16"	5-2					
	5'-8 9/16"	5-6E					
	5'-8 9/16"	5-6C					
	6'-4 9/16"	5-10					
	6'-8 9/16"	6-6					
	6'-8 9/16"	6-6					
	7'-2 9/16"	7-0					
		MRADH1830/52	MRADH1834/52	MRADH1838/52	MRADH1840/52	MRADH1850/52	MRADH1860/52
		MRADH1830/56E	MRADH1834/56E	MRADH1838/56E	MRADH1840/56E	MRADH1850/56E	MRADH1860/56E
		MRADH1830/56C	MRADH1834/56C	MRADH1838/56C	MRADH1840/56C	MRADH1850/56C	MRADH1860/56C
		MRADH1830/510	MRADH1834/510	MRADH1838/510	MRADH1840/510	MRADH1850/510	MRADH1860/510
		MRADH1830/62	MRADH1834/62	MRADH1838/62	MRADH1840/62	MRADH1850/62	MRADH1860/62
		MRADH1830/66	MRADH1834/66	MRADH1838/66	MRADH1840/66	MRADH1850/66	MRADH1860/66
		MRADH1830/70	MRADH1834/70	MRADH1838/70	MRADH1840/70	MRADH1850/70	MRADH1860/70

Double Hung – Combination 2-0 Operating Units

		Widths					
		7'-6 1/8"	7'-10 1/8"	8'-2 1/8"	8'-6 1/8"	9'-6 1/8"	10'-6 1/8"
		7'-7 1/8"	7'-11 1/8"	8'-3 1/8"	8'-7 1/8"	9'-7 1/8"	10'-7 1/8"
		20/30	20/34	20/38	20/40	20/50	20/60
Heights	Unit Dimension Rough Opening Call Size						
	3'-0 9/16"						
	3'-4 9/16"						
	3'-8 9/16"						
	4'-0 9/16"						
	4'-4 9/16"						
	4'-8 9/16"						
	5'-0 9/16"						

Double Hung – Combination 2-0 Operating Units

		Widths					
		7'-6 1/8"	7'-10 1/8"	8'-2 1/8"	8'-6 1/8"	9'-6 1/8"	10'-6 1/8"
		7'-7 1/8"	7'-11 1/8"	8'-3 1/8"	8'-7 1/8"	9'-7 1/8"	10'-7 1/8"
		20/30	20/34	20/38	20/40	20/50	20/60
Heights	Unit Dimension Rough Opening Call Size						
	5'-4 9/16"	5-2					
	5'-8 9/16"	5-6E					
	5'-8 9/16"	5-6C					
	6'-4 9/16"	5-10					
	6'-8 9/16"	6-6					
	6'-8 9/16"	6-6					
	7'-2 9/16"	7-0					
		MRADH2030/52	MRADH2034/52	MRADH2038/52	MRADH2040/52	MRADH2050/52	MRADH2060/52
		MRADH2030/56E	MRADH2034/56E	MRADH2038/56E	MRADH2040/56E	MRADH2050/56E	MRADH2060/56E
		MRADH2030/56C	MRADH2034/56C	MRADH2038/56C	MRADH2040/56C	MRADH2050/56C	MRADH2060/56C
		MRADH2030/510	MRADH2034/510	MRADH2038/510	MRADH2040/510	MRADH2050/510	MRADH2060/510
		MRADH2030/62	MRADH2034/62	MRADH2038/62	MRADH2040/62	MRADH2050/62	MRADH2060/62
		MRADH2030/66	MRADH2034/66	MRADH2038/66	MRADH2040/66	MRADH2050/66	MRADH2060/66
		MRADH2030/70	MRADH2030/70	MRADH2038/70	MRADH2040/70	MRADH2050/70	MRADH2060/70

		Widths											
		1'-1 3/8"	1'-9 3/8"	2'-1 3/8"	2'-5 3/8"	2'-7 3/8"	2'-9 3/8"	3'-1 3/8"	3'-5 3/8"	3'-9 3/8"	4'-1 3/8"	5'-1 3/8"	6'-1 3/8"
		1'-2 3/8"	1'-10 3/8"	2'-2 3/8"	2'-6 3/8"	2'-8 3/8"	2'-10 3/8"	3'-2 3/8"	3'-6 3/8"	3'-10 3/8"	4'-2 3/8"	5'-2 3/8"	6'-2 3/8"
		1-0	1-8	2-0	2-4	2-6	2-8	3-0	3-4	3-8	4-0	5-0	6-0
Heights	Unit Dimension Rough Opening Call Size												
	3'-0 9/16"	3'-4 9/16"	3'-5 1/16"	3'-5 1/16"	3'-5 1/16"	3'-5 1/16"	3'-5 1/16"	3'-5 1/16"	3'-5 1/16"	3'-5 1/16"	3'-5 1/16"	3'-5 1/16"	3'-5 1/16"
	2-10	2-10	2-10	2-10	2-10	2-10	2-10	2-10	2-10	2-10	2-10	2-10	2-10
	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2
	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6	3-6
	3-10	3-10	3-10	3-10	3-10	3-10	3-10	3-10	3-10	3-10	3-10	3-10	3-10
Heights	4'-0 9/16"	4'-0 9/16"	4'-0 9/16"	4'-0 9/16"	4'-0 9/16"	4'-0 9/16"	4'-0 9/16"	4'-0 9/16"	4'-0 9/16"	4'-0 9/16"	4'-0 9/16"	4'-0 9/16"	4'-0 9/16"
	4'-4 9/16"	4'-4 9/16"	4'-4 9/16"	4'-4 9/16"	4'-4 9/16"	4'-4 9/16"	4'-4 9/16"	4'-4 9/16"	4'-4 9/16"	4'-4 9/16"	4'-4 9/16"	4'-4 9/16"	4'-4 9/16"
	4'-5 1/16"	4'-5 1/16"	4'-5 1/16"	4'-5 1/16"	4'-5 1/16"	4'-5 1/16"	4'-5 1/16"	4'-5 1/16"	4'-5 1/16"	4'-5 1/16"	4'-5 1/16"	4'-5 1/16"	4'-5 1/16"
	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2
	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6
	4-10	4-10	4-10	4-10	4-10	4-10	4-10	4-10	4-10	4-10	4-10	4-10	4-10
		MRADH10210P	MRADH18210P	MRADH20210P	MRADH24210P	MRADH26210P	MRADH28210P	MRADH30210P	MRADH34210P	MRADH38210P	MRADH40210P	MRADH50210P	MRADH60210P
		MRADH1032P	MRADH1832P	MRADH2032P	MRADH2432P	MRADH2632P	MRADH2832P	MRADH3032P	MRADH3432P	MRADH3832P	MRADH4032P	MRADH5032P	MRADH6032P
		MRADH1036P	MRADH1836P	MRADH2036P	MRADH2436P	MRADH2636P	MRADH2836P	MRADH3036P	MRADH3436P	MRADH3836P	MRADH4036P	MRADH5036P	MRADH6036P
		MRADH10310P	MRADH18310P	MRADH20310P	MRADH24310P	MRADH26310P	MRADH28310P	MRADH30310P	MRADH34310P	MRADH38310P	MRADH40310P	MRADH50310P	MRADH60310P
		MRADH1042P	MRADH1842P	MRADH2042P	MRADH2442P	MRADH2642P	MRADH2842P	MRADH3042P	MRADH3442P	MRADH3842P	MRADH4042P	MRADH5042P	MRADH6042P
		MRADH1046P	MRADH1846P	MRADH2046P	MRADH2446P	MRADH2646P	MRADH2846P	MRADH3046P	MRADH3446P	MRADH3846P	MRADH4046P	MRADH5046P	MRADH6046P
		MRADH10410P	MRADH18410P	MRADH20410P	MRADH24410P	MRADH26410P	MRADH28410P	MRADH30410P	MRADH34410P	MRADH38410P	MRADH40410P	MRADH50410P	MRADH60410P

Double Hung – Fixed Units

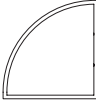
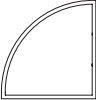
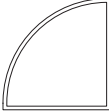
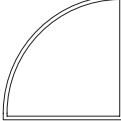
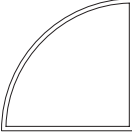
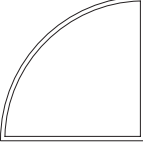
		Widths													
		1'-1 3/8"	1'-9 3/8"	2'-1 3/8"	2'-5 3/8"	2'-7 3/8"	2'-9 3/8"	3'-1 3/8"	3'-5 3/8"	3'-9 3/8"	4'-1 3/8"	5'-1 3/8"	6'-1 3/8"		
		1'-2 3/8"	1'-10 3/8"	2'-2 3/8"	2'-6 3/8"	2'-8 3/8"	2'-10 3/8"	3'-2 3/8"	3'-6 3/8"	3'-10 3/8"	4'-2 3/8"	5'-2 3/8"	6'-2 3/8"		
		1-0	1-8	2-0	2-4	2-6	2-8	3-0	3-4	3-8	4-0	5-0	6-0		
Heights	Unit Dimension Rough Opening Call Size														
	5'-4 9/16"	5'-5 1/16"	5-2												
	5'-8 9/16"	5'-9 1/16"	5-6E												
	5'-8 9/16"	5'-9 1/16"	5-6C												
	6'-4 9/16"	6'-5 1/16"	5-10												
	6'-8 9/16"	6'-9 1/16"	6-6												
	6'-8 9/16"	6'-9 1/16"	6-6												
	7'-2 9/16"	7'-3 1/16"	7-0												
				MRADH1052P	MRADH1852P	MRADH2052P	MRADH2452P	MRADH2652P	MRADH2852P	MRADH3052P	MRADH3452P	MRADH3852P	MRADH4052P	MRADH5052P	MRADH6052P
				MRADH1056P	MRADH1856P	MRADH2056P	MRADH2456P	MRADH2656P	MRADH2856P	MRADH3056P	MRADH3456P	MRADH3856P	MRADH4056P	MRADH5056P	MRADH6056P
				MRADH1056CP	MRADH1856CP	MRADH2056CP	MRADH2456CP	MRADH2656CP	MRADH2856CP	MRADH3056CP	MRADH3456CP	MRADH3856CP	MRADH4056CP	MRADH5056CP	MRADH6056CP
				MRADH18510P	MRADH20510P	MRADH24510P	MRADH26510P	MRADH28510P	MRADH30510P	MRADH34510P	MRADH38510P	MRADH40510P	MRADH50510P	MRADH60510P	
				MRADH1862P	MRADH2062P	MRADH2462P	MRADH2662P	MRADH2862P	MRADH3062P	MRADH3462P	MRADH3862P	MRADH4062P	MRADH5062P	MRADH6062P	
				MRADH1866P	MRADH2066P	MRADH2466P	MRADH2666P	MRADH2866P	MRADH3066P	MRADH3466P	MRADH3866P	MRADH4066P	MRADH5066P	MRADH6066P	
				MRADH1870P	MRADH2070P	MRADH2470P	MRADH2670P	MRADH2870P	MRADH3070P	MRADH3470P	MRADH3870P	MRADH4070P	MRADH5070P	MRADH6070P	

		Widths							
Heights	Unit Dimension Rough Opening Call Size	1'-9 3/8"	2'-1 3/8"	2'-5 3/8"	2'-7 3/8"	2'-9 3/8"	3'-1 3/8"	3'-5 3/8"	3'-9 3/8"
		1'-10 3/8"	2'-2 3/8"	2'-6 3/8"	2'-8 3/8"	2'-10 3/8"	3'-2 3/8"	3'-6 3/8"	3'-10 3/8"
		1-8	2-0	2-4	2-6	2-8	3-0	3-4	3-8
									
		MRADH18CH 0'-10 11/16" 0'-11 3/16"	MRADH20CH 1'-0 11/16" 1'-1 3/16"	MRADH24CH 1'-2 11/16" 1'-3 3/16"	MRADH26CH 1'-3 11/16" 1'-4 3/16"	MRADH28CH 1'-4 11/16" 1'-5 3/16"	MRADH30CH 1'-6 11/16" 1'-7 3/16"	MRADH34CH 1'-8 11/16" 1'-9 3/16"	MRADH38CH 1'-10 11/16" 1'-11 3/16"

		Twin Widths							
Heights	Unit Dimension Rough Opening Call Size	3'-7 3/4"	4'-3 3/4"	4'-11 3/4"	5'-3 3/4"	5'-7 3/4"	6'-3 3/4"	6'-11 3/4"	7'-7 3/4"
		3'-8 3/4"	4'-4 3/4"	5'-0 3/4"	5'-4 3/4"	5'-8 3/4"	6'-4 3/4"	7'-0 3/4"	7'-8 3/4"
		1-8 Twin	2-0 Twin	2-4 Twin	2-6 Twin	2-8 Twin	3-0 Twin	3-4 Twin	3-8 Twin
									
		MRADH18-2CH 1'-9 7/8" 1'-10 3/8"	MRADH20-2CH 2'-1 7/8" 2'-2 3/8"	MRADH24-2CH 2'-5 7/8" 2'-6 3/8"	MRADH26-2CH 2'-7 7/8" 2'-8 3/8"	MRADH28-2CH 2'-9 7/8" 2'-10 3/8"	MRADH30-2CH 3'-1 7/8" 3'-2 3/8"	MRADH34-2CH 3'-5 7/8" 3'-6 3/8"	MRADH38-2CH 3'-9 7/8" 3'-10 3/8"

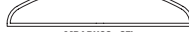
		Picture Widths					
Heights	Unit Dimension Rough Opening Call Size	3'-1 3/8"	3'-5 3/8"	3'-9 3/8"	4'-1 3/8"	5'-1 3/8"	6'-1 3/8"
		3'-2 3/8"	3'-6 3/8"	3'-10 3/8"	4'-2 3/8"	5'-2 3/8"	6'-2 3/8"
		3-0 Picture	3-0 Picture	3-0 Picture	4-0 Picture	5-0 Picture	6-0 Picture
							
		MRADH18PCH 1'-6 11/16" 1'-7 3/16"	MRADH20PCH 1'-8 11/16" 1'-9 3/16"	MRADH24PCH 1'-10 11/16" 1'-11 3/16"	MRADH26PCH 2'-0 11/16" 2'-1 3/16"	MRADH28PCH 2'-6 11/16" 2'-7 3/16"	MRADH30PCH 3'-0 11/16" 3'-1 3/16"

Double Hung – Quarter Circle & Elliptical Units

		Quarter Circle Widths						
Heights	Unit Dimension Rough Opening Call Size	2'-1 3/8"	2'-5 3/8"	2'-7 3/8"	2'-9 3/8"	3'-1 3/8"	3'-5 3/8"	3'-9 3/8"
		2'-2 3/8"	2'-6 3/8"	2'-8 3/8"	2'-10 3/8"	3'-2 3/8"	3'-6 3/8"	3'-10 3/8"
		2-0	2-4	2-6	2-8	3-0	3-4	3-8
								
		MRADH200C 2'-1 3/8" 2'-1 7/8"	MRADH240C 2'-5 3/8" 2'-5 7/8"	MRADH260C 2'-7 3/8" 2'-7 7/8"	MRADH280C 2'-9 3/8" 2'-9 7/8"	MRADH300C 3'-1 3/8" 3'-1 7/8"	MRADH340C 3'-5 3/8" 3'-5 7/8"	MRADH380C 3'-9 3/8" 3'-9 7/8"

		Elliptical Single Widths	
Heights	Unit Dimension Rough Opening Call Size	3'-5 3/8"	3'-9 3/8"
		3'-6 3/8"	3'-10 3/8"
		3-4	3-8
			
		MRADH34-EL 0'-10 3/8" 0'-10 7/8"	MRADH38-EL 0'-11 3/8" 0'-11 7/8"

		Elliptical Picture Widths		
Heights	Unit Dimension Rough Opening Call Size	4'-1 3/8"	5'-1 3/8"	6'-1 3/8"
		4'-2 3/8"	5'-2 3/8"	6'-2 3/8"
		4-0 Picture	5-0 Picture	6-0 Picture
				
		MRADH40-PEL 1'-0 3/8" 1'-0 7/8"	MRADH50-PEL 1'-3 3/8" 1'-3 7/8"	MRADH60-PEL 1'-6 3/8" 1'-6 7/8"

		Elliptical Twin Widths						
Heights	Unit Dimension Rough Opening Call Size	4'-3 3/4"	4'-11 3/4"	5'-1 1/2"	5'-7 3/4"	6'-3 3/4"	6'-11 3/4"	7'-7 3/4"
		4'-4 3/4"	5'-0 3/4"	5'-2 1/2"	5'-8 3/4"	6'-4 3/4"	7'-0 3/4"	7'-8 3/4"
		2-0 Twin	2-4 Twin	2-6 Twin	2-8 Twin	3-0 Twin	3-4 Twin	3-8 Twin
								
		MRADH20-ZEL 1'-0 15/16" 1'-1 7/16"	MRADH24-ZEL 1'-2 15/16" 1'-3 7/16"	MRADH26-ZEL 1'-3 15/16" 1'-4 7/16"	MRADH28-ZEL 1'-4 15/16" 1'-5 7/16"	MRADH30-ZEL 1'-6 15/16" 1'-7 7/16"	MRADH34-ZEL 1'-8 15/16" 1'-9 7/16"	MRADH38-ZEL 1'-10 15/16" 1'-11 7/16"

Double Hung – True Radius Single Units

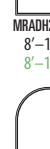
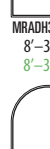
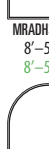
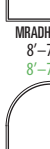
		True Radius Widths							
		1'-9 3/8"	2'-1 3/8"	2'-5 3/8"	2'-7 3/8"	2'-9 3/8"	3'-1 3/8"	3'-5 3/8"	3'-9 3/8"
		1'-10 3/8"	2'-2 3/8"	2'-6 3/8"	2'-8 3/8"	2'-10 3/8"	3'-2 3/8"	3'-6 3/8"	3'-10 3/8"
		1-8	2-0	2-4	2-6	2-8	3-0	3-4	3-8
Heights	Unit Dimension Rough Opening Call Size								
	2-10	 MRADH18210TR 3'-11 1/4" 3'-11 3/4"	 MRADH20210TR 4'-1 1/4" 4'-1 3/4"	 MRADH24210TR 4'-3 1/4" 4'-3 3/4"	 MRADH26210TR 4'-4 1/4" 4'-4 3/4"	 MRADH28210TR 4'-5 1/4" 4'-5 3/4"	 MRADH30210TR 4'-7 1/4" 4'-7 3/4"	 MRADH34210TR 4'-9 1/4" 4'-9 3/4"	 MRADH38210TR 4'-11 1/4" 4'-11 3/4"
	3-2	 MRADH1832TR 4'-3 1/4" 4'-3 3/4"	 MRADH2032TR 4'-5 1/4" 4'-5 3/4"	 MRADH2432TR 4'-7 1/4" 4'-7 3/4"	 MRADH2632TR 4'-8 1/4" 4'-8 3/4"	 MRADH2832TR 4'-9 1/4" 4'-9 3/4"	 MRADH3032TR 4'-11 1/4" 4'-11 3/4"	 MRADH3432TR 5'-1 1/4" 5'-1 3/4"	 MRADH3832TR 5'-3 1/4" 5'-3 3/4"
	3-6	 MRADH1836TR 4'-7 1/4" 4'-7 3/4"	 MRADH2036TR 4'-9 1/4" 4'-9 3/4"	 MRADH2436TR 4'-11 1/4" 4'-11 3/4"	 MRADH2636TR 5'-0 1/4" 5'-0 3/4"	 MRADH2836TR 5'-1 1/4" 5'-1 3/4"	 MRADH3036TR 5'-3 1/4" 5'-3 3/4"	 MRADH3436TR 5'-5 1/4" 5'-5 3/4"	 MRADH3836TR 5'-7 1/4" 5'-7 3/4"
	3-10	 MRADH18310TR 4'-11 3/4" 4'-11 3/4"	 MRADH20310TR 5'-1 1/4" 5'-1 3/4"	 MRADH24310TR 5'-3 1/4" 5'-3 3/4"	 MRADH26310TR 5'-4 1/4" 5'-4 3/4"	 MRADH28310TR 5'-5 1/4" 5'-5 3/4"	 MRADH30310TR 5'-7 1/4" 5'-7 3/4"	 MRADH34310TR 5'-9 1/4" 5'-9 3/4"	 MRADH38310TR 5'-11 1/4" 5'-11 3/4"
	4-2	 MRADH1842TR 5'-3 1/4" 5'-3 3/4"	 MRADH2042TR 5'-5 1/4" 5'-5 3/4"	 MRADH2442TR 5'-7 1/4" 5'-7 3/4"	 MRADH2642TR 5'-8 1/4" 5'-8 3/4"	 MRADH2842TR 5'-9 1/4" 5'-9 3/4"	 MRADH3042TR 5'-11 1/4" 5'-11 3/4"	 MRADH3442TR 6'-1 1/4" 6'-1 3/4"	 MRADH3842TR 6'-3 1/4" 6'-3 3/4"
	4-6	 MRADH1846TR 5'-7 1/4" 5'-7 3/4"	 MRADH2046TR 5'-9 1/4" 5'-9 3/4"	 MRADH2446TR 5'-11 1/4" 5'-11 3/4"	 MRADH2646TR 6'-0 1/4" 6'-0 3/4"	 MRADH2846TR 6'-1 1/4" 6'-1 3/4"	 MRADH3046TR 6'-3 1/4" 6'-3 3/4"	 MRADH3446TR 6'-5 1/4" 6'-5 3/4"	 MRADH3846TR 6'-7 1/4" 6'-7 3/4"
	4-10	 MRADH18410TR 5'-11 1/4" 5'-11 3/4"	 MRADH20410TR 6'-1 1/4" 6'-1 3/4"	 MRADH24410TR 6'-3 1/4" 6'-3 3/4"	 MRADH26410TR 6'-4 1/4" 6'-4 3/4"	 MRADH28410TR 6'-5 1/4" 6'-5 3/4"	 MRADH30410TR 6'-7 1/4" 6'-7 3/4"	 MRADH34410TR 6'-9 1/4" 6'-9 3/4"	 MRADH38410TR 6'-11 1/4" 6'-11 3/4"

Double Hung – True Radius Matching Side Light Units

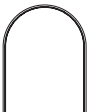
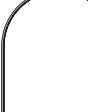
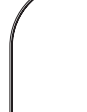
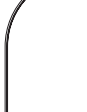
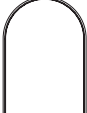
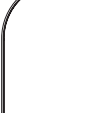
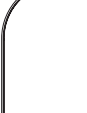
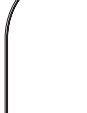
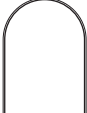
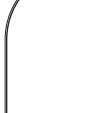
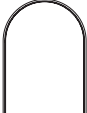
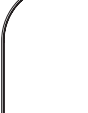
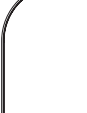
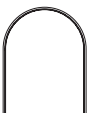
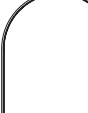
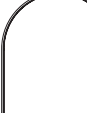
Widths		
1'-1 3/8"		
1'-2 3/8"		
1-0		
	2-10	3'-0 9/16"
MRADH10210SL		
	3-2	3'-4 9/16"
MRADH1032SL		
	3-6	3'-8 9/16"
MRADH1036SL		
	3-10	4'-0 9/16"
MRADH10310SL		
	4-2	4'-4 9/16"
MRADH1042SL		
	4-6	4'-8 9/16"
MRADH1046SL		
	4-10	5'-0 9/16"
MRADH10410SL		

NOTE:
 Custom sizes are available.

Double Hung – True Radius Single Units

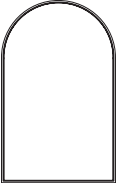
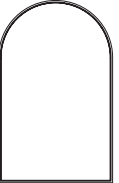
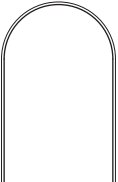
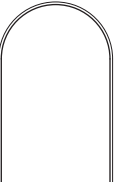
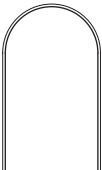
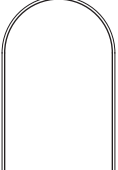
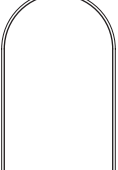
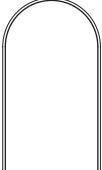
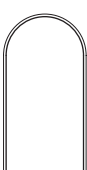
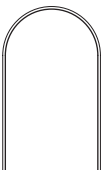
		True Radius Widths							
		1'-9 3/8"	2'-1 3/8"	2'-5 3/8"	2'-7 3/8"	2'-9 3/8"	3'-1 3/8"	3'-5 3/8"	3'-9 3/8"
		1'-10 3/8"	2'-2 3/8"	2'-6 3/8"	2'-8 3/8"	2'-10 3/8"	3'-2 3/8"	3'-6 3/8"	3'-10 3/8"
		1-8	2-0	2-4	2-6	2-8	3-0	3-4	3-8
Heights	Unit Dimension Rough Opening Call Size								
	5-2	 MRADH1852TR 6'-3 1/4" 6'-3 3/4"	 MRADH2052TR 6'-5 1/4" 6'-5 3/4"	 MRADH2452TR 6'-7 1/4" 6'-7 3/4"	 MRADH2652TR 6'-8 1/4" 6'-8 3/4"	 MRADH2852TR 6'-9 1/4" 6'-9 3/4"	 MRADH3052TR 6'-11 1/4" 6'-11 3/4"	 MRADH3452TR 7'-1 1/4" 7'-1 3/4"	 MRADH3852TR 7'-3 1/4" 7'-3 3/4"
	5-6	 MRADH1856TR 6'-7 1/4" 6'-7 3/4"	 MRADH2056TR 6'-9 1/4" 6'-9 3/4"	 MRADH2456TR 6'-11 1/4" 6'-11 3/4"	 MRADH2656TR 7'-0 1/4" 7'-0 3/4"	 MRADH2856TR 7'-1 1/4" 7'-1 3/4"	 MRADH3056TR 7'-3 1/4" 7'-3 3/4"	 MRADH3456TR 7'-5 1/4" 7'-5 3/4"	 MRADH3856TR 7'-7 1/4" 7'-7 3/4"
	5-10	 MRADH18510TR 6'-11 1/4" 6'-11 3/4"	 MRADH20510TR 7'-1 1/4" 7'-1 3/4"	 MRADH24510TR 7'-3 1/4" 7'-3 3/4"	 MRADH26510TR 7'-4 1/4" 7'-4 3/4"	 MRADH28510TR 7'-5 1/4" 7'-5 3/4"	 MRADH30510TR 7'-7 1/4" 7'-7 3/4"	 MRADH34510TR 7'-9 1/4" 7'-9 3/4"	 MRADH38510TR 7'-11 1/4" 7'-11 3/4"
	6-2	 MRADH1862TR 7'-3 1/4" 7'-3 3/4"	 MRADH2062TR 7'-5 1/4" 7'-5 3/4"	 MRADH2462TR 7'-7 1/4" 7'-7 3/4"	 MRADH2662TR 7'-8 1/4" 7'-8 3/4"	 MRADH2862TR 7'-9 1/4" 7'-9 3/4"	 MRADH3062TR 7'-11 1/4" 7'-11 3/4"	 MRADH3462TR 8'-1 1/4" 8'-1 3/4"	 MRADH4862TR 8'-3 1/4" 8'-3 3/4"
	6-6	 MRADH1866TR 7'-7 1/4" 7'-7 3/4"	 MRADH2066TR 7'-9 1/4" 7'-9 3/4"	 MRADH2466TR 7'-11 1/4" 7'-11 3/4"	 MRADH2666TR 8'-0 1/4" 8'-0 3/4"	 MRADH2866TR 8'-1 1/4" 8'-1 3/4"	 MRADH3066TR 8'-3 1/4" 8'-3 3/4"	 MRADH3466TR 8'-5 1/4" 8'-5 3/4"	 MRADH3866TR 8'-7 1/4" 8'-7 3/4"
	7-0	 MRADH1870TR 8'-1 1/4" 8'-1 3/4"	 MRADH2070TR 8'-3 1/4" 8'-3 3/4"	 MRADH2470TR 8'-5 1/4" 8'-5 3/4"	 MRADH2670TR 8'-6 1/4" 8'-6 3/4"	 MRADH2870TR 8'-7 1/4" 8'-7 3/4"	 MRADH3070TR 8'-9 1/4" 8'-9 3/4"	 MRADH3470TR 8'-11 1/4" 8'-11 3/4"	 MRADH3870TR 9'-1 1/4" 9'-1 3/4"

Double Hung – True Radius Twin Units

		True Radius Widths					
		3'-7 3/4"	4'-3 3/4"	4'-11 3/4"	5'-3 3/4"	5'-7 3/4"	6'-3 3/4"
		3'-8 3/4"	4'-4 3/4"	5'-0 3/4"	5'-4 3/4"	5'-8 3/4"	6'-4 3/4"
		1-8 Twin	2-0 Twin	2-4 Twin	2-6 Twin	2-8 Twin	3-0 Twin
Heights	Unit Dimension Rough Opening Call Size						
	2-10	 MRADH18210-ZTR 4'-10 7/16" 4'-10 15/16"	 MRADH20210-ZTR 5'-2 7/16" 5'-2 15/16"	 MRADH24210-ZTR 5'-6 7/16" 5'-6 15/16"	 MRADH26210-ZTR 5'-8 7/16" 5'-8 15/16"	 MRADH28210-ZTR 5'-10 7/16" 5'-10 15/16"	 MRADH30210-ZTR 6'-2 7/16" 6'-2 15/16"
	3-2	 MRADH1832-ZTR 5'-2 7/16" 5'-2 15/16"	 MRADH2032-ZTR 5'-6 7/16" 5'-6 15/16"	 MRADH2432-ZTR 5'-10 7/16" 5'-10 15/16"	 MRADH2632-ZTR 6'-0 7/16" 6'-0 15/16"	 MRADH2832-ZTR 6'-2 7/16" 6'-2 15/16"	 MRADH3032-ZTR 6'-6 7/16" 6'-6 15/16"
	3-6	 MRADH1836-ZTR 5'-6 7/16" 5'-6 15/16"	 MRADH2036-ZTR 5'-10 7/16" 5'-10 15/16"	 MRADH2436-ZTR 6'-2 7/16" 6'-2 15/16"	 MRADH2636-ZTR 6'-4 7/16" 6'-4 15/16"	 MRADH2836-ZTR 6'-6 7/16" 6'-6 15/16"	 MRADH3036-ZTR 6'-10 7/16" 6'-10 15/16"
	3-10	 MRADH18310-ZTR 5'-10 7/16" 5'-10 15/16"	 MRADH20310-ZTR 6'-2 7/16" 6'-2 15/16"	 MRADH24310-ZTR 6'-6 7/16" 6'-6 15/16"	 MRADH26310-ZTR 6'-8 7/16" 6'-8 15/16"	 MRADH28310-ZTR 6'-10 7/16" 6'-10 15/16"	
	4-2	 MRADH1842-ZTR 6'-2 7/16" 6'-2 15/16"	 MRADH2042-ZTR 6'-6 7/16" 6'-6 15/16"	 MRADH2442-ZTR 6'-10 7/16" 6'-10 15/16"	 MRADH2642-ZTR 7'-0 7/16" 7'-0 15/16"	 MRADH2842-ZTR 7'-2 7/16" 7'-2 15/16"	
	4-6	 MRADH1846-ZTR 6'-6 7/16" 6'-6 15/16"	 MRADH2046-ZTR 6'-10 7/16" 6'-10 15/16"	 MRADH12446-ZTR 7'-2 7/16" 7'-2 15/16"	 MRADH2646-ZTR 7'-4 7/16" 7'-4 15/16"	 MRADH2846-ZTR 7'-6 7/16" 7'-6 15/16"	
	4-10	 MRADH18410-ZTR 6'-10 7/16" 6'-10 15/16"	 MRADH20410-ZTR 7'-2 7/16" 7'-2 15/16"	 MRADH24410-ZTR 7'-6 7/16" 7'-6 15/16"	 MRADH26410-ZTR 7'-8 7/16" 7'-8 15/16"	 MRADH28410-ZTR 7'-10 7/16" 7'-10 15/16"	

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

Double Hung – True Radius Twin Units

		True Radius Widths			
		3'–7 3/4"	4'–3 3/4"	4'–11 3/4"	5'–3 3/4"
		3'–8 3/4"	4'–4 3/4"	5'–0 3/4"	5'–4 3/4"
		1–8 Twin	2–0 Twin	2–4 Twin	2–6 Twin
Heights	Unit Dimension Rough Opening Call Size				
	5–2	 MRADH1852–ZTR 7'–2 7/16" 7'–2 15/16"	 MRADH2052–ZTR 7'–6 7/16" 7'–6 15/16"	 MRADH2452–ZTR 7'–10 7/16" 7'–10 15/16"	 MRADH2652–ZTR 8'–2 7/16" 8'–2 15/16"
	5–6	 MRADH1856–ZTR 7'–6 7/16" 7'–6 15/16"	 MRADH2056–ZTR 7'–10 7/16" 7'–10 15/16"	 MRADH2456–ZTR 8'–2 7/16" 8'–2 15/16"	 MRADH2656–ZTR 8'–5 7/16" 8'–5 15/16"
	5–10	 MRADH18510–ZTR 7'–10 7/16" 7'–10 15/16"	 MRADH20510–ZTR 8'–2 7/16" 8'–2 15/16"	 MRADH24510–ZTR 8'–6 7/16" 8'–6 15/16"	
	6–2	 MRADH1862–ZTR 8'–2 7/16" 8'–2 15/16"	 MRADH2062–ZTR 8'–6 7/16" 8'–6 15/16"	 MRADH2462–ZTR 8'–10 7/16" 8'–10 15/16"	
	6–6	 MRADH1866–ZTR 8'–6 7/16" 8'–6 15/16"	 MRADH2066–ZTR 8'–10 7/16" 8'–10 15/16"		
	7–0	 MRADH1870–ZTR 9'–0 7/16" 9'–0 15/16"	 MRADH2070–ZTR 9'–4 7/16" 9'–4 15/16"		

Double Hung – Arch Picture Units

		Arch Picture Widths							
		1'–9 3/8"	2'–1 3/8"	2'–5 3/8"	2'–7 3/8"	2'–9 3/8"	3'–1 3/8"	3'–5 3/8"	3'–9 3/8"
		1'–10 3/8"	2'–2 3/8"	2'–6 3/8"	2'–8 3/8"	2'–10 3/8"	3'–2 3/8"	3'–6 3/8"	3'–10 3/8"
		1–8	2–0	2–4	2–6	2–8	3–0	3–4	3–8
Heights	Unit Dimension Rough Opening Call Size								
	3–10	 MRADH18310AH 4'–4 1/8" 4'–4 5/8"	 MRADH20310AH 4'–4 13/16" 4'–5 5/16"	 MRADH24310AH 4'–5 7/16" 4'–5 15/16"	 MRADH26310AH 4'–5 13/16" 4'–6 5/16"	 MRADH28310AH 4'–6 1/8" 4'–6 5/8"	 MRADH30310AH 4'–6 13/16" 4'–7 5/16"	 MRADH348310AH 4'–7 7/16" 4'–7 15/16"	 MRADH38310AH 4'–8 1/8" 4'–8 5/8"
	4–2	 MRADH1842AH 4'–8 1/16" 4'–8 5/8"	 MRADH2042AH 4'–8 13/16" 4'–9 5/16"	 MRADH2442AH 4'–9 7/16" 4'–9 15/16"	 MRADH2642AH 4'–9 13/16" 4'–10 5/16"	 MRADH2842AH 4'–10 1/8" 4'–10 5/8"	 MRADH3042AH 4'–10 13/16" 4'–10 5/16"	 MRADH3442AH 4'–11 7/16" 4'–11 15/16"	 MRADH3842AH 5'–0 1/8" 5'–0 5/8"
	4–6	 MRADH1846AH 5'–0 1/8" 5'–0 5/8"	 MRADH2046AH 5'–0 13/16" 5'–1 5/16"	 MRADH2446AH 5'–1 7/16" 5'–1 15/16"	 MRADH2646AH 5'–1 13/16" 5'–1 5/16"	 MRADH2846AH 5'–2 1/8" 5'–2 5/8"	 MRADH3046AH 5'–2 13/16" 5'–2 5/16"	 MRADH3446AH 5'–3 7/16" 5'–3 15/16"	 MRADH3846AH 5'–4 1/8" 5'–4 5/8"
	4–10	 MRADH18410AH 5'–4 1/8" 5'–4 5/8"	 MRADH20410AH 5'–4 13/16" 5'–5 5/16"	 MRADH24410AH 5'–5 7/16" 5'–5 15/16"	 MRADH26410AH 5'–5 13/16" 5'–6 5/16"	 MRADH28410AH 5'–6 1/8" 5'–6 5/8"	 MRADH30410AH 5'–6 13/16" 5'–7 5/16"	 MRADH34410AH 5'–7 7/16" 5'–7 15/16"	 MRADH38410AH 5'–8 1/8" 5'–8 5/8"
	5–2	 MRADH1852AH 5'–8 1/8" 5'–8 5/8"	 MRADH2052AH 5'–8 13/16" 5'–9 5/16"	 MRADH2452AH 5'–9 7/16" 5'–9 15/16"	 MRADH2652AH 5'–9 13/16" 5'–10 5/16"	 MRADH2852AH 5'–10 1/8" 5'–10 5/8"	 MRADH3052AH 5'–10 13/16" 5'–11 5/16"	 MRADH3452AH 5'–11 7/16" 5'–11 15/16"	 MRADH3852AH 6'–0 1/8" 6'–0 5/8"
	5–6	 MRADH1856AH 6'–0 1/8" 6'–0 5/8"	 MRADH2056AH 6'–0 13/16" 6'–1 5/16"	 MRADH2456AH 6'–1 7/16" 6'–1 15/16"	 MRADH2656AH 6'–1 13/16" 6'–2 5/16"	 MRADH2856AH 6'–2 1/8" 6'–2 5/8"	 MRADH3056AH 6'–2 13/16" 6'–3 5/16"	 MRADH3456AH 6'–3 7/16" 6'–3 15/16"	 MRADH3856AH 6'–4 1/8" 6'–4 5/8"
	5–10	 MRADH18510AH 6'–4 1/8" 6'–4 5/8"	 MRADH20510AH 6'–4 13/16" 6'–5 5/16"	 MRADH24510AH 6'–5 7/16" 6'–5 15/16"	 MRADH26510AH 6'–5 13/16" 6'–6 5/16"	 MRADH28510AH 6'–6 1/8" 6'–6 5/8"	 MRADH30510AH 6'–6 13/16" 6'–7 5/16"	 MRADH34510AH 6'–7 7/16" 6'–7 15/16"	 MRADH38510AH 6'–8 1/8" 6'–8 5/8"
	6–2	 MRADH1862AH 6'–8 1/8" 6'–8 5/8"	 MRADH2062AH 6'–8 13/16" 6'–9 5/16"	 MRADH2462AH 6'–9 7/16" 6'–9 15/16"	 MRADH2662AH 6'–9 13/16" 6'–10 5/16"	 MRADH2862AH 6'–10 1/8" 6'–10 5/8"	 MRADH3062AH 6'–10 13/16" 6'–11 5/16"	 MRADH3462AH 6'–11 7/16" 6'–11 15/16"	 MRADH3862AH 7'–0 1/8" 7'–0 5/8"
	6–6	 MRADH1866AH 7'–0 1/8" 7'–0 5/8"	 MRADH2066AH 7'–0 13/16" 7'–1 5/16"	 MRADH2466AH 7'–1 7/16" 7'–1 15/16"	 MRADH2666AH 7'–1 13/16" 7'–2 5/16"	 MRADH2866AH 7'–2 1/8" 7'–2 5/8"	 MRADH3066AH 7'–2 13/16" 7'–3 5/16"	 MRADH3466AH 7'–3 7/16" 7'–3 15/16"	 MRADH3866AH 7'–4 1/8" 7'–4 5/8"
	7–0	 MRADH1870AH 7'–6 1/8" 7'–6 5/8"	 MRADH2070AH 7'–6 13/16" 7'–7 5/16"	 MRADH2470AH 7'–7 7/16" 7'–7 15/16"	 MRADH2670AH 7'–7 13/16" 7'–8 5/16"	 MRADH2870AH 7'–8 1/8" 7'–8 5/8"	 MRADH3070AH 7'–8 13/16" 7'–8 5/16"	 MRADH3470AH 7'–9 7/16" 7'–9 15/16"	 MRADH3870AH 7'–10 1/8" 7'–10 5/8"

Double Hung – Arch Transom Units

		Arch Transom Widths										
		1'-9 3/8"	2'-1 3/8"	2'-5 3/8"	2'-7 3/8"	2'-9 3/8"	3'-1 3/8"	3'-5 3/8"	3'-9 3/8"	4'-1 3/8"	5'-1 3/8"	6'-1 3/8"
		1'-10 3/8"	2'-2 3/8"	2'-6 3/8"	2'-8 3/8"	2'-10 3/8"	3'-2 3/8"	3'-6 3/8"	3'-10 3/8"	4'-2 3/8"	5'-2 3/8"	6'-2 3/8"
		1-8	2-0	2-4	2-6	2-8	3-0	3-4	3-8	4-0	5-0	6-0
Heights	Unit Dimension Rough Opening Call Size											
	0-6	 MRADH1806AHTN 0'-10 15/16" 0'-11 7/16"	 MRADH2006AHTN 0'-11 5/8" 1'-0 1/8"	 MRADH2406AHTN 1'-0 1/4" 1'-0 3/4"	 MRADH2606AHTN 1'-0 3/8" 1'-1 1/8"	 MRADH2806AHTN 1'-0 15/16" 1'-1 7/16"	 MRADH3006AHTN 1'-1 1/8" 1'-2 1/8"	 MRADH3406AHTN 1'-2 1/4" 1'-2 3/4"	 MRADH3806AHTN 1'-2 15/16" 1'-3 1/16"	 MRADH4006AHTN 1'-3 3/8" 1'-4 1/8"	 MRADH5006AHTN 1'-5 3/8" 1'-6 1/8"	 MRADH6006AHTN 1'-7 3/8" 1'-8 1/8"
	0-10	 MRADH18010AHTN 1'-2 15/16" 1'-3 7/16"	 MRADH20010AHTN 1'-3 3/8" 1'-4 1/8"	 MRADH24010AHTN 1'-4 1/4" 1'-4 3/4"	 MRADH26010AHTN 1'-4 3/8" 1'-5 1/8"	 MRADH28010AHTN 1'-4 15/16" 1'-5 7/16"	 MRADH30010AHTN 1'-5 3/8" 1'-6 1/8"	 MRADH34010AHTN 1'-6 1/4" 1'-6 3/4"	 MRADH38010AHTN 1'-6 15/16" 1'-7 1/16"	 MRADH40010AHTN 1'-7 3/8" 1'-8 1/8"	 MRADH50010AHTN 1'-9 3/8" 1'-10 1/8"	 MRADH60010AHTN 1'-11 3/8" 2'-0 1/8"
	1-0	 MRADH1810AHTN 1'-4 15/16" 1'-5 7/16"	 MRADH2010AHTN 1'-5 3/8" 1'-6 1/8"	 MRADH2410AHTN 1'-6 1/4" 1'-6 3/4"	 MRADH2610AHTN 1'-6 3/8" 1'-7 1/8"	 MRADH2810AHTN 1'-6 15/16" 1'-7 7/16"	 MRADH3010AHTN 1'-7 3/8" 1'-8 1/8"	 MRADH3410AHTN 1'-8 1/4" 1'-8 3/4"	 MRADH3810AHTN 1'-8 15/16" 1'-9 1/16"	 MRADH4010AHTN 1'-9 3/8" 1'-10 1/8"	 MRADH5010AHTN 1'-11 3/8" 2'-0 1/8"	 MRADH6010AHTN 2'-1 3/8" 2'-2 1/8"
	1-2	 MRADH1812AHTN 1'-6 15/16" 1'-6 7/16"	 MRADH2012AHTN 1'-6 3/8" 1'-7 1/8"	 MRADH2412AHTN 1'-8 1/4" 1'-8 3/4"	 MRADH2612AHTN 1'-8 3/8" 1'-9 1/8"	 MRADH2812AHTN 1'-8 15/16" 1'-9 7/16"	 MRADH3012AHTN 1'-9 3/8" 1'-10 1/8"	 MRADH3412AHTN 1'-10 1/4" 1'-10 3/4"	 MRADH3812AHTN 1'-10 15/16" 1'-11 1/16"	 MRADH4012AHTN 1'-11 3/8" 2'-0 1/8"	 MRADH5012AHTN 2'-1 3/8" 2'-2 1/8"	 MRADH6012AHTN 2'-3 3/8" 2'-3 1/8"
	1-6	 MRADH1816AHTN 1'-10 15/16" 1'-11 7/16"	 MRADH2016AHTN 1'-11 3/8" 2'-0 1/8"	 MRADH2416AHTN 2'-0 1/4" 2'-0 3/4"	 MRADH2616AHTN 2'-0 3/8" 2'-0 1/8"	 MRADH2816AHTN 2'-0 15/16" 2'-1 7/16"	 MRADH3016AHTN 2'-1 3/8" 2'-2 1/8"	 MRADH3416AHTN 2'-2 1/4" 2'-2 3/4"	 MRADH3816AHTN 2'-2 15/16" 2'-3 1/16"	 MRADH4016AHTN 2'-3 3/8" 2'-4 1/8"	 MRADH5016AHTN 2'-5 3/8" 2'-6 1/8"	 MRADH6016AHTN 2'-7 3/8" 2'-8 1/8"
	2-0	 MRADH1820AHTN 2'-4 15/16" 2'-5 7/16"	 MRADH2020AHTN 2'-5 3/8" 2'-6 1/8"	 MRADH2420AHTN 2'-6 1/4" 2'-6 3/4"	 MRADH2620AHTN 2'-6 3/8" 2'-7 1/8"	 MRADH2820AHTN 2'-6 15/16" 2'-7 7/16"	 MRADH3020AHTN 2'-7 3/8" 2'-8 1/8"	 MRADH3420AHTN 2'-8 1/4" 2'-8 3/4"	 MRADH3820AHTN 2'-8 15/16" 2'-9 1/16"	 MRADH4020AHTN 2'-9 3/8" 2'-10 1/8"	 MRADH5020AHTN 2'-11 3/8" 3'-0 1/8"	 MRADH6020AHTN 3'-1 3/8" 3'-2 1/8"

Double Hung – Arch Transom Twin Units

		Arch Transom Widths						
		4'-3 3/4"	4'-11 3/4"	5'-3 3/4"	5'-7 3/4"	6'-3 3/4"	6'-11 3/4"	7'-7 3/4"
		4'-4 3/4"	5'-0 3/4"	5'-4 3/4"	5'-8 3/4"	6'-4 3/4"	7'-0 3/4"	7'-8 3/4"
		2-0 Twin	2-4 Twin	2-6 Twin	2-8 Twin	3-0 Twin	3-4 Twin	3-8 Twin
Heights	Unit Dimension Rough Opening Call Size							
	0-6	 MRADH2006-2AHTN 1'-4" 1'-4 1/2"	 MRADH2406-2AHTN 1'-5 5/16" 1'-5 13/16"	 MRADH2606-2AHTN 1'-6" 1'-6 1/2"	 MRADH2806-2AHTN 1'-6 11/16" 1'-7 3/16"	 MRADH3006-2AHTN 1'-8" 1'-8 1/2"	 MRADH3406-2AHTN 1'-9 5/16" 1'-9 13/16"	 MRADH3806-2AHTN 1'-10 11/16" 1'-11 3/16"
	0-10	 MRADH2010-2AHTN 1'-8" 1'-8 1/2"	 MRADH2410-2AHTN 1'-9 5/16" 1'-9 13/16"	 MRADH2610-2AHTN 1'-10" 1'-10 1/2"	 MRADH2810-2AHTN 1'-10 11/16" 1'-11 3/16"	 MRADH3010-2AHTN 2'-0" 2'-0 1/2"	 MRADH3410-2AHTN 2'-1 5/16" 2'-1 13/16"	 MRADH3810-2AHTN 2'-2 11/16" 2'-3 3/16"
	1-0	 MRADH2010-2AHTN 1'-10" 1'-10 1/2"	 MRADH2410-2AHTN 1'-11 5/16" 1'-11 13/16"	 MRADH2610-2AHTN 2'-0" 2'-0 1/2"	 MRADH2810-2AHTN 2'-0 11/16" 2'-1 3/16"	 MRADH3010-2AHTN 2'-2" 2'-2 1/2"	 MRADH3410-2AHTN 2'-3 5/16" 2'-3 13/16"	 MRADH3810-2AHTN 2'-4 11/16" 2'-5 3/16"
	1-2	 MRADH2012-2AHTN 2'-0" 2'-0 1/2"	 MRADH2412-2AHTN 2'-1 5/16" 2'-1 13/16"	 MRADH2612-2AHTN 2'-2" 2'-2 1/2"	 MRADH2812-2AHTN 2'-2 11/16" 2'-3 3/16"	 MRADH3012-2AHTN 2'-4" 2'-4 1/2"	 MRADH3412-2AHTN 2'-5 5/16" 2'-5 13/16"	 MRADH3812-2AHTN 2'-6 11/16" 2'-7 3/16"
	1-6	 MRADH2016-2AHTN 2'-4" 2'-4 1/2"	 MRADH2416-2AHTN 2'-5 5/16" 2'-5 13/16"	 MRADH2616-2AHTN 2'-6" 2'-6 1/2"	 MRADH2816-2AHTN 2'-6 11/16" 2'-7 3/16"	 MRADH3016-2AHTN 2'-8" 2'-8 1/2"	 MRADH3416-2AHTN 2'-9 5/16" 2'-9 13/16"	 MRADH3816-2AHTN 2'-10 11/16" 2'-11 3/16"
	2-0	 MRADH2020-2AHTN 2'-10" 2'-10 1/2"	 MRADH2420-2AHTN 2'-11 5/16" 2'-11 13/16"	 MRADH2620-2AHTN 3'-0" 3'-0 1/2"	 MRADH2820-2AHTN 3'-0 11/16" 3'-1 3/16"	 MRADH3020-2AHTN 3'-2" 3'-2 1/2"	 MRADH3420-2AHTN 3'-3 5/16" 3'-3 13/16"	 MRADH3820-2AHTN 3'-4 11/16" 3'-5 3/16"

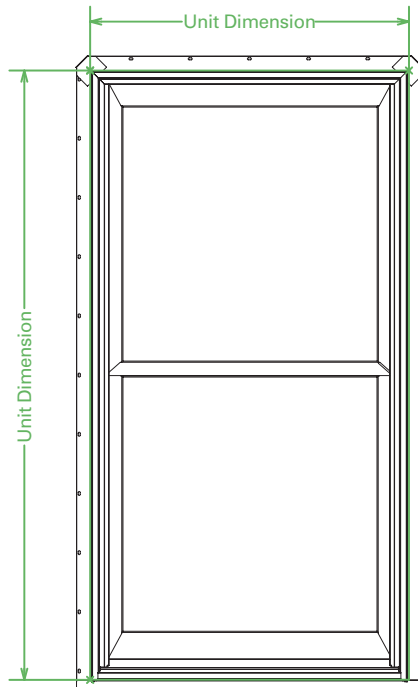
Unit height is listed first under individual windows
Rough Opening height dimension is listed second under individual windows

Double Hung – Transom Units

		Single Transom Widths										
Heights	Unit Dimension Rough Opening Call Size	1'–9 3/8"	2'–1 3/8"	2'–5 3/8"	2'–7 3/8"	2'–9 3/8"	3'–1 3/8"	3'–5 3/8"	3'–9 3/8"	4'–1 3/8"	5'–1 3/8"	6'–1 3/8"
		1'–10 3/8"	2'–2 3/8"	2'–6 3/8"	2'–8 3/8"	2'–10 3/8"	3'–2 3/8"	3'–6 3/8"	3'–10 3/8"	4'–2 3/8"	5'–2 3/8"	6'–2 3/8"
		1–8	2–0	2–4	2–6	2–8	3–0	3–4	3–8	4–0 Picture	5–0 Picture	6–0 Picture
		MRADH18010TN	MRADH20010TN	MRADH24010TN	MRADH26010TN	MRADH28010TN	MRADH30010TN	MRADH34010TN	MRADH38010TN	MRADH40010-PTN	MRADH50010-PTN	MRADH60010-PTN
1'–3 3/8"	0'–11 3/8"	MRADH1810TN	MRADH2010TN	MRADH2410TN	MRADH2610TN	MRADH2810TN	MRADH3010TN	MRADH3410TN	MRADH3810TN	MRADH4010-PTN	MRADH5010-PTN	MRADH6010-PTN
1'–7 3/8"	1'–1 7/8"	MRADH1812TN	MRADH2012TN	MRADH2412TN	MRADH2612TN	MRADH2812TN	MRADH3012TN	MRADH3412TN	MRADH3812TN	MRADH4012-PTN	MRADH5012-PTN	MRADH6012-PTN
2'–1 3/8"	1'–3 7/8"	MRADH1816TN	MRADH2016TN	MRADH2416TN	MRADH2616TN	MRADH2816TN	MRADH3016TN	MRADH3416TN	MRADH3816TN	MRADH4016-PTN	MRADH5016-PTN	MRADH6016-PTN
2'–5 3/8"	2'–1 7/8"	MRADH1820TN	MRADH2020TN	MRADH2420TN	MRADH2620TN	MRADH2820TN	MRADH3020TN	MRADH3420TN	MRADH3820TN	MRADH4020-PTN	MRADH5020-PTN	MRADH6020-PTN
2'–9 3/8"	2'–5 7/8"	MRADH1824TN	MRADH2024TN	MRADH2424TN	MRADH2624TN	MRADH2824TN	MRADH3024TN	MRADH3424TN	MRADH3824TN	MRADH4024-PTN	MRADH5024-PTN	MRADH6024-PTN

		Twin Transom Widths						
Heights	Unit Dimension Rough Opening Call Size	4'–3 3/4"	4'–11 3/4"	5'–3 3/4"	5'–7 3/4"	6'–3 3/4"	6'–11 3/4"	7'–7 3/4"
		4'–4 3/4"	5'–0 3/4"	5'–4 3/4"	5'–8 3/4"	6'–4 3/4"	7'–0 3/4"	7'–8 3/4"
		2–0 Twin	2–4 Twin	2–6 Twin	2–8 Twin	3–0 Twin	3–4 Twin	3–8 Twin
		MRADH20010–2TN	MRADH24010–2TN	MRADH26010–2TN	MRADH28010–2TN	MRADH30010–2TN		
1'–3 3/8"	0'–11 3/8"	MRADH2010–2TN	MRADH2410–2TN	MRADH2610–2TN	MRADH2810–2TN	MRADH3010–2TN	MRADH3410–2TN	MRADH3810–2TN
1'–7 3/8"	1'–1 7/8"	MRADH2012–2TN	MRADH2412–2TN	MRADH2612–2TN	MRADH2812–2TN	MRADH3012–2TN	MRADH3412–2TN	MRADH3812–2TN
2'–1 3/8"	1'–3 7/8"	MRADH2016–2TN	MRADH2416–2TN	MRADH2616–2TN	MRADH2816–2TN	MRADH3016–2TN	MRADH3416–2TN	MRADH3816–2TN
2'–5 3/8"	2'–1 7/8"	MRADH2020–2TN	MRADH2420–2TN	MRADH2620–2TN	MRADH2820–2TN	MRADH3020–2TN	MRADH3420–2TN	MRADH3820–2TN
2'–9 3/8"	2'–5 7/8"	MRADH2024–2TN	MRADH2424–2TN	MRADH2624–2TN	MRADH2824–2TN	MRADH3024–2TN	MRADH3424–2TN	MRADH3824–2TN

Double Hung – Actual Unit Dimensions



To calculate unit dimension on multiple units, add 1" per mull together with actual unit dimension.

Transom Units, HEIGHT

Call size (Width)	Height in Inch
0-10	11- ³ / ₈
1-0	13- ³ / ₈
1-2	15- ³ / ₈
1-6	17- ³ / ₈
2-0	25- ³ / ₈
2-4	29- ³ / ₈

Operating & Fixed Units, HEIGHT

Call size (Width)	Height in Inch
2-10	36- ⁹ / ₁₆
3-2	41- ⁹ / ₁₆
3-6	44- ⁹ / ₁₆
3-10	49- ⁹ / ₁₆
4-2	53- ⁹ / ₁₆
4-6	57- ⁹ / ₁₆
4-10	60- ⁹ / ₁₆
5-2	65- ⁹ / ₁₆
5-6C	69- ⁹ / ₁₆
5-6E	69- ⁹ / ₁₆
5-10	72- ⁹ / ₁₆
6-2	77- ⁹ / ₁₆
6-6	80- ⁹ / ₁₆
7-0	86- ⁹ / ₁₆

Operating Units, WIDTH

Call size (Width)	1-8	2-0	2-4	2-6	2-8	3-0	3-5	3-8
SINGLE	21- ³ / ₈	25- ³ / ₈	29- ³ / ₈	31- ³ / ₈	33- ³ / ₈	37- ³ / ₈	41- ³ / ₈	45- ³ / ₈
TWIN	43- ³ / ₄	51- ³ / ₄	59- ³ / ₄	63- ³ / ₄	67- ³ / ₄	75- ³ / ₄	83- ³ / ₄	91- ³ / ₄
TRIPLE	66- ¹ / ₈	78- ¹ / ₈	90- ¹ / ₈	96- ¹ / ₈	102- ¹ / ₈	114- ¹ / ₈	126- ¹ / ₈	138- ¹ / ₈
FOUR WIDE	88- ¹ / ₂	104- ¹ / ₂	120- ¹ / ₂	128- ¹ / ₂	136- ¹ / ₂	152- ¹ / ₂	168- ¹ / ₂	184- ¹ / ₂
FIVE WIDE	110- ⁷ / ₈	130- ⁷ / ₈	150- ⁷ / ₈	160- ⁷ / ₈	170- ⁷ / ₈	190- ⁷ / ₈	210- ⁷ / ₈	230- ⁷ / ₈

Fixed Units, WIDTH

Call size (Width)	1-0	1-8	2-0	2-4	2-6	2-8	3-0	3-4	3-8	4-0	5-0	6-0
ONE WIDE	13- ³ / ₈	21- ³ / ₈	25- ³ / ₈	29- ³ / ₈	31- ³ / ₈	33- ³ / ₈	37- ³ / ₈	41- ³ / ₈	45- ³ / ₈	49- ³ / ₈	61- ³ / ₈	73- ³ / ₈
TWO WIDE	27- ³ / ₄	43- ³ / ₄	51- ³ / ₄	59- ³ / ₄	63- ³ / ₄	67- ³ / ₄	75- ³ / ₄	83- ³ / ₄	91- ³ / ₄	99- ³ / ₄	123- ³ / ₄	147- ³ / ₄
THREE WIDE	43- ¹ / ₈	67- ¹ / ₈	79- ¹ / ₈	91- ¹ / ₈	96- ¹ / ₈	103- ¹ / ₈	114- ¹ / ₈	126- ¹ / ₈	138- ¹ / ₈	150- ¹ / ₈	186- ¹ / ₈	222- ¹ / ₈
FOUR WIDE	56- ¹ / ₂	88- ¹ / ₂	104- ¹ / ₂	120- ¹ / ₂	128- ¹ / ₂	136- ¹ / ₂	152- ¹ / ₂	168- ¹ / ₂	184- ¹ / ₂	200- ¹ / ₂	248- ¹ / ₂	296- ¹ / ₂
FIVE WIDE	70- ⁷ / ₈	110- ⁷ / ₈	130- ⁷ / ₈	150- ⁷ / ₈	160- ⁷ / ₈	170- ⁷ / ₈	190- ⁷ / ₈	210- ⁷ / ₈	230- ⁷ / ₈	250- ⁷ / ₈	310- ⁷ / ₈	370- ⁷ / ₈

Transom Units, WIDTH

Call Size (Width)	1-8	2-0	2-4	2-6	2-8	3-0	3-4	3-8	4-0	5-0	6-0
ONE WIDE	21- ³ / ₈	25- ³ / ₈	29- ³ / ₈	31- ³ / ₈	33- ³ / ₈	37- ³ / ₈	41- ³ / ₈	45- ³ / ₈	49- ³ / ₈	61- ³ / ₈	73- ³ / ₈
TWO WIDE	43- ³ / ₄	51- ³ / ₄	59- ³ / ₄	63- ³ / ₄	67- ³ / ₄	75- ³ / ₄	83- ³ / ₄	91- ³ / ₄	99- ³ / ₄	123- ³ / ₄	147- ³ / ₄
THREE WIDE	67- ¹ / ₈	79- ¹ / ₈	91- ¹ / ₈	96- ¹ / ₈	103- ¹ / ₈	114- ¹ / ₈	126- ¹ / ₈	138- ¹ / ₈	150- ¹ / ₈	186- ¹ / ₈	222- ¹ / ₈
FOUR WIDE	88- ¹ / ₂	104- ¹ / ₂	120- ¹ / ₂	128- ¹ / ₂	136- ¹ / ₂	152- ¹ / ₂	168- ¹ / ₂	184- ¹ / ₂	200- ¹ / ₂	248- ¹ / ₂	296- ¹ / ₂
FIVE WIDE	110- ⁷ / ₈	130- ⁷ / ₈	150- ⁷ / ₈	160- ⁷ / ₈	170- ⁷ / ₈	190- ⁷ / ₈	210- ⁷ / ₈	230- ⁷ / ₈	250- ⁷ / ₈	310- ⁷ / ₈	370- ⁷ / ₈

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.
MRADH18210	17.672	14.500	1.78	2.8
32	17.672	16.500	2.02	3.2
36	17.672	18.500	2.27	3.6
310	17.672	20.500	2.52	4.1
42	17.672	22.500	2.76	4.5
46	17.672	24.500	3.01	4.9
410	17.672	26.500	3.25	5.3
52	17.672	28.500	3.50	5.7
56E	17.672	30.500	3.74	6.1
56C	17.672	24.500	3.01	6.1
510	17.672	32.500	3.99	6.5
62	17.672	34.500	4.23	7.0
66	17.672	36.500	4.48	7.4
70	17.672	39.500	4.85	8.0
MRADH20210	21.672	14.500	2.18	3.6
32	21.672	16.500	2.48	4.1
36	21.672	18.500	2.78	4.6
310	21.672	20.500	3.09	5.1
42	21.672	22.500	3.39	5.7
46	21.672	24.500	3.69	6.2
410	21.672	26.500	3.99	6.7
52	21.672	28.500	4.29	7.2
56E	21.672	30.500	4.59	7.8
56C	21.672	24.500	3.69	7.8
510	21.672	32.500	4.89	8.3
62	21.672	34.500	5.19	8.8
66	21.672	36.500	5.49	9.3
70	21.672	39.500	5.94	10.1
MRADH24210	25.672	14.500	2.59	4.3
32	25.672	16.500	2.94	5.0
36	25.672	18.500	3.30	5.6
310	25.672	20.500	3.65	6.2
42	25.672	22.500	4.01	6.9
46	25.672	24.500	4.37	7.5
410	25.672	26.500	4.72	8.1
52	25.672	28.500	5.08	8.8
56E	25.672	30.500	5.44	9.4
56C	25.672	24.500	4.37	9.4
510	25.672	32.500	5.79	10.0
62	25.672	34.500	6.15	10.7
66	25.672	36.500	6.51	11.3
70	25.672	39.500	7.04	12.3
MRADH26210	27.672	14.500	2.79	4.7
32	27.672	16.500	3.17	5.4
36	27.672	18.500	3.56	6.1
310	27.672	20.500	3.94	7.8
42	27.672	22.500	4.32	7.5
46	27.672	24.500	4.71	8.2
410	27.672	26.500	5.09	8.8
52	27.672	28.500	5.48	9.5
56E	27.672	30.500	5.86	10.2
56C	27.672	24.500	4.71	10.2
510	27.672	32.500	6.25	10.9
62	27.672	34.500	6.63	11.6
66	27.672	36.500	7.01	12.3
70	27.672	39.500	7.59	13.3

Call Size	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
MRADH28210	29.672	14.500	2.99	5.1
32	29.672	16.500	3.40	5.8
36	29.672	18.500	3.81	6.6
310	29.672	20.500	4.22	7.3
42	29.672	22.500	4.64	8.1
46	29.672	24.500	5.05	8.8
410	29.672	26.500	5.46	9.6
52	29.672	28.500	5.87	10.3
56E	29.672	30.500	6.28	11.1
56C	29.672	24.500	5.05	11.1
510	29.672	32.500	6.70	11.8
62	29.672	34.500	7.11	12.5
66	29.672	36.500	7.52	13.3
70	29.672	39.500	8.14	14.4
MRADH30210	33.672	14.500	3.39	5.8
32	33.672	16.500	3.96	6.7
36	33.672	18.500	4.33	7.5
310	33.672	20.500	4.79	8.4
42	33.672	22.500	5.36	9.3
46	33.672	24.500	5.73	10.1
410	33.672	26.500	6.20	11.0
52	33.672	28.500	6.66	11.8
56E	33.672	30.500	7.13	12.7
56C	33.672	24.500	5.73	12.7
510	33.672	32.500	7.60	13.6
62	33.672	34.500	8.07	14.4
66	33.672	36.500	8.53	15.3
70	33.672	39.500	9.24	16.6
MRADH34210	37.672	14.500	3.79	6.6
32	37.672	16.500	4.32	7.5
36	37.672	18.500	4.84	8.5
310	37.672	20.500	5.36	9.5
42	37.672	22.500	5.89	10.5
46	37.672	24.500	6.41	11.4
410	37.672	26.500	6.93	12.4
52	37.672	28.500	7.46	13.4
56E	37.672	30.500	7.98	14.3
56C	37.672	24.500	6.41	14.3
510	37.672	32.500	8.50	15.3
62	37.672	34.500	9.03	16.3
66	37.672	36.500	9.55	17.2
70	37.672	39.500	10.33	18.7
MRADH38210	41.672	14.500	4.20	7.3
32	41.672	16.500	4.77	8.4
36	41.672	18.500	5.35	9.5
310	41.672	20.500	5.93	10.6
42	41.672	22.500	6.51	11.6
46	41.672	24.500	7.09	12.7
410	41.672	26.500	7.67	13.8
52	41.672	28.500	8.25	14.9
56E	41.672	30.500	8.83	16.0
56C	41.672	24.500	7.09	16.0
510	41.672	32.500	9.41	17.1
62	41.672	34.500	9.98	18.1
66	41.672	36.500	10.56	19.2
70	41.672	39.500	11.43	20.8

NOTE:

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

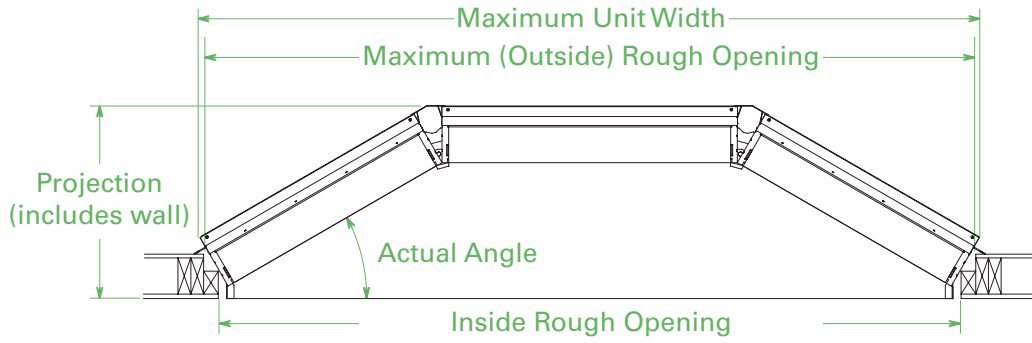
Fixed Units

Call Size	Daylight Opening S.F.
MRADH10210P	1.4
32	1.6
36	1.8
310	2.0
42	2.2
46	2.4
410	2.5
52	2.7
56	2.9
510	3.1
62	3.3
66	3.5
70	3.8
MRADH18210P	3.0
32	3.4
36	3.8
310	4.2
42	4.6
46	5.1
410	5.5
52	5.9
56	6.3
510	6.7
62	7.1
66	7.6
70	8.2
MRADH20210P	3.8
32	4.3
36	4.8
310	5.4
42	5.9
46	6.4
410	6.9
52	7.5
56	8.0
510	8.5
62	9.0
66	9.6
70	10.4
MRADH24210P	4.6
32	5.2
36	5.9
310	6.5
42	7.1
46	7.8
410	8.4
52	9.0
56	9.7
510	10.3
62	11.0
66	11.6
70	12.6

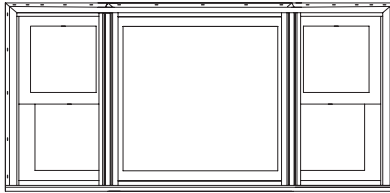
Call Size	Daylight Opening S.F.
MRADH26210P	5.0
32	5.7
36	6.4
310	7.1
42	7.8
46	8.5
410	9.1
52	9.8
56	10.5
510	11.2
62	11.9
66	12.6
70	13.6
MRADH28210P	5.4
32	6.1
36	6.9
310	7.6
42	8.4
46	9.1
410	9.9
52	10.6
56	11.4
510	12.1
62	12.9
66	13.6
70	14.7
MRADH30210P	6.2
32	7.1
36	7.9
310	8.8
42	9.6
46	10.5
410	11.3
52	12.2
56	13.1
510	13.9
62	14.8
66	15.6
70	16.9
MRADH34210P	7.0
32	8.0
36	8.9
310	9.9
42	10.9
46	11.8
410	12.8
52	13.8
56	14.8
510	15.7
62	16.7
66	17.7
70	19.1

Call Size	Daylight Opening S.F.
MRADH38210P	7.8
32	8.9
36	10.0
310	11.0
42	12.1
46	13.2
410	14.3
52	15.4
56	16.4
510	17.5
62	18.6
66	19.7
70	21.3
MRADH40210P	8.6
32	9.8
36	11.0
310	12.2
42	13.4
46	14.6
410	15.7
52	16.9
56	18.1
510	19.3
62	20.5
66	21.7
70	23.5
MRADH50210P	11.0
32	12.5
36	14.0
310	15.6
42	17.1
46	18.6
410	20.2
52	21.7
56	23.2
510	24.7
62	26.3
66	27.8
70	30.1
MRADH60210P	13.4
32	15.3
36	17.1
310	19.0
42	20.8
46	22.7
410	24.6
52	26.4
56	28.3
510	30.1
62	32.0
66	33.8
70	36.6

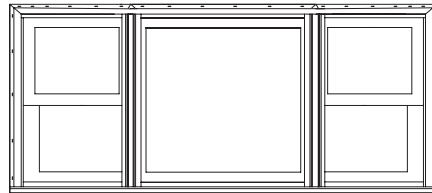
Double Hung – Bay Window Details



30° Angle Bay with 1-8 Flankers

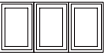


30° Angle Bay with 2-0 Flankers

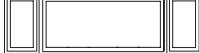
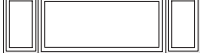
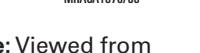
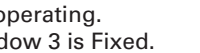
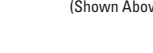


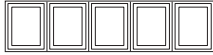
NOTE:

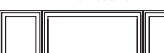
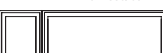
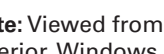
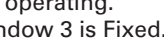
Double Hung 30° and 45° Bay Windows are available. Please contact your Ply Gem Sales Representative for information.

		Widths				
		1'-4 3/4"	2'-10 1/2"	4'-4 1/4"	5'-10"	7'-3 3/4"
		1'-5 3/4"	2'-11 1/2"	4'-5 1/4"	5'-11"	7'-4 3/4"
		1-5	1-5 Twin	1-5 Triple	1-5 Quad	1-5 Quint
Heights	Unit Dimension					
	Rough Opening Call Size					
	2'-0 1/4"	 MRACA1520	 MRACA1520-2	 MRACA1520-3	 MRACA1520-4	 MRACA1520-5
	2'-4 1/4"	 MRACA1524	 MRACA1524-2	 MRACA1524-3	 MRACA1524-4	 MRACA1524-5
	3'-0"	 MRACA1530	 MRACA1530-2	 MRACA1530-3	 MRACA1530-4	 MRACA1530-5
	3'-5 1/2"	 MRACA1535	 MRACA1535-2	 MRACA1535-3	 MRACA1535-4	 MRACA1535-5
	4'-1 1/2"	 MRACA1540	 MRACA1540-2	 MRACA1540-3	 MRACA1540-4	 MRACA1540-5
	4'-5"	 MRACA1545	 MRACA1545-2	 MRACA1545-3	 MRACA1545-4	 MRACA1545-5
	5'-0"	 MRACA1550	 MRACA1550-2	 MRACA1550-3	 MRACA1550-4	 MRACA1550-5
	5'-5"	 MRACA1555	 MRACA1555-2	 MRACA1555-3	 MRACA1555-4	 MRACA1555-5
	6'-0"	 MRACA1560	 MRACA1560-2	 MRACA1560-3	 MRACA1560-4	 MRACA1560-5
	6'-5"	 MRACA1565	 MRACA1565-2	 MRACA1565-3	 MRACA1565-4	 MRACA1565-5
	7'-0"	 MRACA1570	 MRACA1570-2	 MRACA1570-3	 MRACA1570-4	 MRACA1570-5

Casement – Operating Units

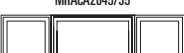
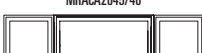
		Widths				
		5'-11 1/2"	6'-5"	7'-1"	7'-11 1/2"	8'-11 1/2"
		6'-0 1/2"	6'-6"	7'-2"	8'-0 1/2"	9'-0 1/2"
		1-5 Flankers with 3-0 Center	1-5 Flankers with 3-5 Center	1-5 Flankers with 4-0 Center	1-5 Flankers with 5-0 Center	1-5 Flankers with 6-0 Center
Heights	Unit Dimension Rough Opening Call Size	 MRACA1520/30	 MRACA1520/35	 MRACA1520/40	 MRACA1520/50	 MRACA1520/60
	2'-0 1/4"	 MRACA1524/30	 MRACA1524/35	 MRACA1524/40	 MRACA1524/50	 MRACA1524/60
	2'-4 1/4"	 MRACA1530/30	 MRACA1530/35	 MRACA1530/40	 MRACA1530/50	 MRACA1530/60
	3'-0"	 MRACA1530/30	 MRACA1530/35	 MRACA1530/40	 MRACA1530/50	 MRACA1530/60
	3'-5 1/2"	 MRACA1535/30	 MRACA1535/35	 MRACA1535/40	 MRACA1535/50	 MRACA1535/60
	3'-6"	 MRACA1535/30	 MRACA1535/35	 MRACA1535/40	 MRACA1535/50	 MRACA1535/60
	4'-1 1/2"	 MRACA1540/30	 MRACA1540/35	 MRACA1540/40	 MRACA1540/50	 MRACA1540/60
	4'-2"	 MRACA1540/30	 MRACA1540/35	 MRACA1540/40	 MRACA1540/50	 MRACA1540/60
	4'-5"	 MRACA1545/30	 MRACA1545/35	 MRACA1545/40	 MRACA1545/50	 MRACA1545/60
	4'-5 1/2"	 MRACA1545/30	 MRACA1545/35	 MRACA1545/40	 MRACA1545/50	 MRACA1545/60
	5'-0"	 MRACA1550/30	 MRACA1550/35	 MRACA1550/40	 MRACA1550/50	 MRACA1550/60
	5'-0 1/2"	 MRACA1550/30	 MRACA1550/35	 MRACA1550/40	 MRACA1550/50	 MRACA1550/60
	5'-5"	 MRACA1555/30	 MRACA1555/35	 MRACA1555/40	 MRACA1555/50	 MRACA1555/60
	5'-5 1/2"	 MRACA1555/30	 MRACA1555/35	 MRACA1555/40	 MRACA1555/50	 MRACA1555/60
	6'-0"	 MRACA1560/30	 MRACA1560/35	 MRACA1560/40	 MRACA1560/50	 MRACA1560/60
	6'-0 1/2"	 MRACA1560/30	 MRACA1560/35	 MRACA1560/40	 MRACA1560/50	 MRACA1560/60
	6'-5"	 MRACA1565/30	 MRACA1565/35	 MRACA1565/40	 MRACA1565/50	 MRACA1565/60
	6'-5 1/2"	 MRACA1565/30	 MRACA1565/35	 MRACA1565/40	 MRACA1565/50	 MRACA1565/60
	7'-0"	 MRACA1570/30	 MRACA1570/35	 MRACA1570/40	 MRACA1570/50	 MRACA1570/60
	7'-0 1/2"	 MRACA1570/30	 MRACA1570/35	 MRACA1570/40	 MRACA1570/50	 MRACA1570/60
	7'-0	 MRACA1570/30	 MRACA1570/35	 MRACA1570/40	 MRACA1570/50	 MRACA1570/60
		 STYLE 2VB (Shown Above)	 STYLE 2VL	 STYLE 2VR	Note: Viewed from exterior, Windows 1 and 2 are operating. Window 3 is Fixed.	

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

		Widths				
		6'-6 1/2"	7'-0"	7'-8"	8'-6 1/2"	9'-6 1/2"
		6'-7 1/2"	7'-1"	7'-9"	8'-7 1/2"	9'-7 1/2"
		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	Unit Dimension Rough Opening Call Size	 MRACA1820/30	 MRACA1820/35	 MRACA1820/40	 MRACA1820/50	 MRACA1820/60
	2'-0 1/4"	 MRACA1824/30	 MRACA1824/35	 MRACA1824/40	 MRACA1824/50	 MRACA1824/60
	2'-4 1/4"	 MRACA1830/30	 MRACA1830/35	 MRACA1830/40	 MRACA1830/50	 MRACA1830/60
	3'-0"	 MRACA1835/30	 MRACA1835/35	 MRACA1835/40	 MRACA1835/50	 MRACA1835/60
	3'-5 1/2"	 MRACA1840/30	 MRACA1840/35	 MRACA1840/40	 MRACA1840/50	 MRACA1840/60
	4'-0"	 MRACA1845/30	 MRACA1845/35	 MRACA1845/40	 MRACA1845/50	 MRACA1845/60
	4'-5"	 MRACA1850/30	 MRACA1850/35	 MRACA1850/40	 MRACA1850/50	 MRACA1850/60
	5'-0"	 MRACA1855/30	 MRACA1855/35	 MRACA1855/40	 MRACA1855/50	 MRACA1855/60
	5'-5"	 MRACA1860/30	 MRACA1860/35	 MRACA1860/40	 MRACA1860/50	 MRACA1860/60
	6'-0"	 MRACA1865/30	 MRACA1865/35	 MRACA1865/40	 MRACA1865/50	 MRACA1865/60
	6'-5"	 MRACA1870/30	 MRACA1870/35	 MRACA1870/40	 MRACA1870/50	 MRACA1870/60
	7'-0"	 MRACA1875/30	 MRACA1875/35	 MRACA1875/40	 MRACA1875/50	 MRACA1875/60
		 MRACA1880/30	 MRACA1880/35	 MRACA1880/40	 MRACA1880/50	 MRACA1880/60
		 MRACA1885/30	 MRACA1885/35	 MRACA1885/40	 MRACA1885/50	 MRACA1885/60
		 MRACA1890/30	 MRACA1890/35	 MRACA1890/40	 MRACA1890/50	 MRACA1890/60
		 MRACA1895/30	 MRACA1895/35	 MRACA1895/40	 MRACA1895/50	 MRACA1895/60
		 MRACA1900/30	 MRACA1900/35	 MRACA1900/40	 MRACA1900/50	 MRACA1900/60
		 MRACA1905/30	 MRACA1905/35	 MRACA1905/40	 MRACA1905/50	 MRACA1905/60
		 MRACA1910/30	 MRACA1910/35	 MRACA1910/40	 MRACA1910/50	 MRACA1910/60
		 MRACA1915/30	 MRACA1915/35	 MRACA1915/40	 MRACA1915/50	 MRACA1915/60
		 MRACA1920/30	 MRACA1920/35	 MRACA1920/40	 MRACA1920/50	 MRACA1920/60
		 MRACA1925/30	 MRACA1925/35	 MRACA1925/40	 MRACA1925/50	 MRACA1925/60
		 MRACA1930/30	 MRACA1930/35	 MRACA1930/40	 MRACA1930/50	 MRACA1930/60
		 MRACA1935/30	 MRACA1935/35	 MRACA1935/40	 MRACA1935/50	 MRACA1935/60
		 MRACA1940/30	 MRACA1940/35	 MRACA1940/40	 MRACA1940/50	 MRACA1940/60
		 MRACA1945/30	 MRACA1945/35	 MRACA1945/40	 MRACA1945/50	 MRACA1945/60
		 MRACA1950/30	 MRACA1950/35	 MRACA1950/40	 MRACA1950/50	 MRACA1950/60
		 MRACA1955/30	 MRACA1955/35	 MRACA1955/40	 MRACA1955/50	 MRACA1955/60
		 MRACA1960/30	 MRACA1960/35	 MRACA1960/40	 MRACA1960/50	 MRACA1960/60
		 MRACA1965/30	 MRACA1965/35	 MRACA1965/40	 MRACA1965/50	 MRACA1965/60
		 MRACA1970/30	 MRACA1970/35	 MRACA1970/40	 MRACA1970/50	 MRACA1970/60
		 MRACA1975/30	 MRACA1975/35	 MRACA1975/40	 MRACA1975/50	 MRACA1975/60
		 MRACA1980/30	 MRACA1980/35	 MRACA1980/40	 MRACA1980/50	 MRACA1980/60
		 MRACA1985/30	 MRACA1985/35	 MRACA1985/40	 MRACA1985/50	 MRACA1985/60
		 MRACA1990/30	 MRACA1990/35	 MRACA1990/40	 MRACA1990/50	 MRACA1990/60
		 MRACA1995/30	 MRACA1995/35	 MRACA1995/40	 MRACA1995/50	 MRACA1995/60
		 MRACA2000/30	 MRACA2000/35	 MRACA2000/40	 MRACA2000/50	 MRACA2000/60

Widths

Unit Dimension Rough Opening Call Size	Unit Dimension				
	2'-0	2'-0 Twin	2'-0 Triple	2'-0 Quad	2'-0 Quint
	2'-0 1/4"	4'-1 1/2"	6'-2 3/4"	8'-4"	10'-5 1/4"
2'-0 1/4"	MRACA2020	MRACA2020-2	MRACA2020-3	MRACA2020-4	MRACA2020-5
2'-4 1/4"	MRACA2024	MRACA2024-2	MRACA2024-3	MRACA2024-4	MRACA2024-5
3'-0"	MRACA2030	MRACA2030-2	MRACA2030-3	MRACA2030-4	MRACA2030-5
3'-5 1/2"	MRACA2035	MRACA2035-2	MRACA2035-3	MRACA2035-4	MRACA2035-5
4'-1 1/2"	MRACA2040	MRACA2040-2	MRACA2040-3	MRACA2040-4	MRACA2040-5
4'-5"	MRACA2045	MRACA2045-2	MRACA2045-3	MRACA2045-4	MRACA2045-5
5'-0"	MRACA2050	MRACA2050-2	MRACA2050-3	MRACA2050-4	MRACA2050-5
5'-5"	MRACA2055	MRACA2055-2	MRACA2055-3	MRACA2055-4	MRACA2055-5
6'-0"	MRACA2060	MRACA2060-2	MRACA2060-3	MRACA2060-4	MRACA2060-5
6'-5"	MRACA2065	MRACA2065-2	MRACA2065-3	MRACA2065-4	MRACA2065-5
7'-0"	MRACA2070	MRACA2070-2	MRACA2070-3	MRACA2070-4	MRACA2070-5

Unit Dimension Rough Opening Call Size		Widths			
		7'-2 1/2"	7'-8"	8'-4"	9'-2 1/2"
		7'-3 1/2"	7'-9"	8'-5"	9'-3 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	2'-0"	 MRACA2020/30	 MRACA2020/35	 MRACA2020/40	 MRACA2020/50
	2'-4 1/4"	 MRACA2024/30	 MRACA2024/35	 MRACA2024/40	 MRACA2024/50
	3'-0"	 MRACA2030/30	 MRACA2030/35	 MRACA2030/40	 MRACA2030/50
	3'-5 1/2"	 MRACA2035/30	 MRACA2035/35	 MRACA2035/40	 MRACA2035/50
	4'-1 1/2"	 MRACA2040/30	 MRACA2040/35	 MRACA2040/40	 MRACA2040/50
	4'-5"	 MRACA2045/30	 MRACA2045/35	 MRACA2045/40	 MRACA2045/50
	5'-0"	 MRACA2050/30	 MRACA2050/35	 MRACA2050/40	 MRACA2050/50
	5'-5"	 MRACA2055/30	 MRACA2055/35	 MRACA2055/40	 MRACA2055/50
	6'-0"	 MRACA2060/30	 MRACA2060/35	 MRACA2060/40	 MRACA2060/50
	6'-5"	 MRACA2065/30	 MRACA2065/35	 MRACA2065/40	 MRACA2065/50
	7'-0"	 MRACA2070/30	 MRACA2070/35	 MRACA2070/40	 MRACA2070/50



STYLE 2VB
(Shown Above)



STYLE 2VL



STYLE 2VR

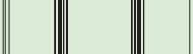
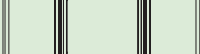
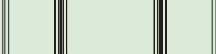
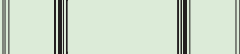
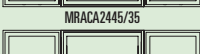
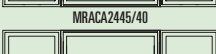
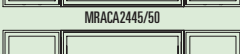
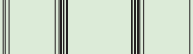
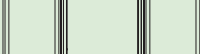
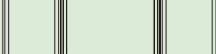
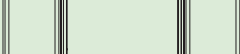
Note: Viewed from exterior, Windows 1 and 2 are operating. Window 3 is Fixed.

		Widths				
		2'-4 1/4"	4'-9 1/2"	7'-2 3/4"	9'-8"	12'-1 1/4"
		2'-5 1/4"	4'-10 1/2"	7'-3 3/4"	9'-9"	12'-2 1/4"
		2-4	2-4 Twin	2-4 Triple	2-4 Quad	2-4 Quint
Heights	Unit Dimension					
	Rough Opening Call Size					
	2'-0 1/4"	MRACA2420	MRACA2420-2	MRACA2420-3	MRACA2420-4	MRACA2420-5
	2'-4 1/4"	MRACA2424	MRACA2424-2	MRACA2424-3	MRACA2424-4	MRACA2424-5
	3'-0"	MRACA2430	MRACA2430-2	MRACA2430-3	MRACA2430-4	MRACA2430-5
	3'-5 1/2"	MRACA2435	MRACA2435-2	MRACA2435-3	MRACA2435-4	MRACA2435-5
	4'-1 1/2"	MRACA2440	MRACA2440-2	MRACA2440-3	MRACA2440-4	MRACA2440-5
	4'-5"	MRACA2445	MRACA2445-2	MRACA2445-3	MRACA2445-4	MRACA2445-5
	5'-0"	MRACA2450	MRACA2450-2	MRACA2450-3	MRACA2450-4	MRACA2450-5
	5'-5"	MRACA2455	MRACA2455-2	MRACA2455-3	MRACA2455-4	MRACA2455-5
	6'-0"	MRACA2460	MRACA2460-2	MRACA2460-3	MRACA2460-4	MRACA2460-5
	6'-5"	MRACA2465	MRACA2465-2	MRACA2465-3	MRACA2465-4	MRACA2465-5
	7'-0"	MRACA2470	MRACA2470-2	MRACA2470-3	MRACA2470-4	MRACA2470-5

NOTE:

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

Casement – Operating Units

		Widths			
		7'-10 1/2"	8'-4"	9'-0"	9'-10 1/2"
		7'-11 1/2"	8'-5"	9'-1"	9'-11 1/2"
		2-4 Flankers with 3-0 Center	2-4 Flankers with 3-5 Center	2-4 Flankers with 4-0 Center	2-4 Flankers with 5-0 Center
Heights	Unit Dimension Rough Opening Call Size	 MRACA2420/30	 MRACA2420/35	 MRACA2420/40	 MRACA2420/50
	2'-0 1/4"	 MRACA2424/30	 MRACA2424/35	 MRACA2424/40	 MRACA2424/50
	2'-4 1/4"	 MRACA2430/30	 MRACA2430/35	 MRACA2430/40	 MRACA2430/50
	3'-0"	 MRACA2435/30	 MRACA2435/35	 MRACA2435/40	 MRACA2435/50
	3'-5 1/2"	 MRACA2440/30	 MRACA2440/35	 MRACA2440/40	 MRACA2440/50
	4'-1 1/2"	 MRACA2445/30	 MRACA2445/35	 MRACA2445/40	 MRACA2445/50
	4'-5"	 MRACA2450/30	 MRACA2450/35	 MRACA2450/40	 MRACA2450/50
	5'-0"	 MRACA2455/30	 MRACA2455/35	 MRACA2455/40	 MRACA2455/50
	5'-5"	 MRACA2460/30	 MRACA2460/35	 MRACA2460/40	 MRACA2460/50
	6'-0"	 MRACA2465/30	 MRACA2465/35	 MRACA2465/40	 MRACA2465/50
	6'-5"	 MRACA2470/30	 MRACA2470/35	 MRACA2470/40	 MRACA2470/50
	7'-0"				



STYLE 2VB
(Shown Above)



STYLE 2VL



STYLE 2VR

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

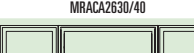
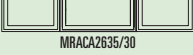
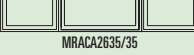
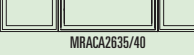
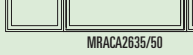
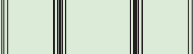
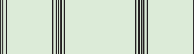
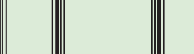
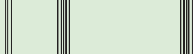
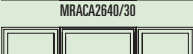
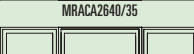
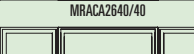
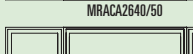
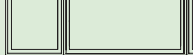
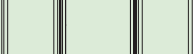
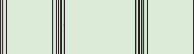
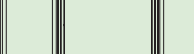
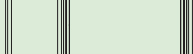
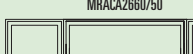
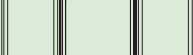
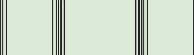
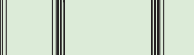
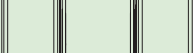
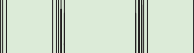
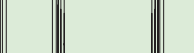
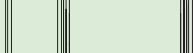
NOTE:
Shaded units satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area.

		Widths				
		2'-6 1/4"	5'-1 1/2"	7'-8 3/4"	10'-4"	12'-11 1/4"
		2'-7 1/4"	5'-2 1/2"	7'-9 3/4"	10'-5"	13'-0 1/4"
		2-6	2-6 Twin	2-6 Triple	2-6 Quad	2-6 Quint
Heights	Unit Dimension Rough Opening Call Size					
		2'-0 1/4"	2'-4 1/4"	2'-0 1/4"	2'-4 1/4"	2'-0 1/4"
2'-0"	2'-0 1/2"	MRACA2620	MRACA2620-2	MRACA2620-3	MRACA2620-4	MRACA2620-5
	2'-4 1/4"	MRACA2624	MRACA2624-2	MRACA2624-3	MRACA2624-4	MRACA2624-5
	3'-0"	MRACA2630	MRACA2630-2	MRACA2630-3	MRACA2630-4	MRACA2630-5
	3'-5 1/2"	MRACA2635	MRACA2635-2	MRACA2635-3	MRACA2635-4	MRACA2635-5
	4'-1 1/2"	MRACA2640	MRACA2640-2	MRACA2640-3	MRACA2640-4	MRACA2640-5
	4'-5"	MRACA2645	MRACA2645-2	MRACA2645-3	MRACA2645-4	MRACA2645-5
	5'-0"	MRACA2650	MRACA2650-2	MRACA2650-3	MRACA2650-4	MRACA2650-5
	5'-5"	MRACA2655	MRACA2655-2	MRACA2655-3	MRACA2655-4	MRACA2655-5
	6'-0"	MRACA2660	MRACA2660-2	MRACA2660-3	MRACA2660-4	MRACA2660-5
	6'-5"	MRACA2665	MRACA2665-2	MRACA2665-3	MRACA2665-4	MRACA2665-5
	7'-0"	MRACA2670	MRACA2670-2	MRACA2670-3	MRACA2670-4	MRACA2670-5
	7'-0 1/2"	MRACA2670	MRACA2670-2	MRACA2670-3	MRACA2670-4	MRACA2670-5
	7'-0 1/2"	MRACA2670	MRACA2670-2	MRACA2670-3	MRACA2670-4	MRACA2670-5
	7'-0 1/2"	MRACA2670	MRACA2670-2	MRACA2670-3	MRACA2670-4	MRACA2670-5
	7'-0 1/2"	MRACA2670	MRACA2670-2	MRACA2670-3	MRACA2670-4	MRACA2670-5
	7'-0 1/2"	MRACA2670	MRACA2670-2	MRACA2670-3	MRACA2670-4	MRACA2670-5

NOTE:

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

Casement – Operating Units

		Widths			
		8'-2 1/2"	8'-8"	9'-4"	10'-2 1/2"
		8'-3 1/2"	8'-9"	9'-5"	10'-3 1/2"
Unit Dimension		2-6 Flankers with 3-0 Center	2-6 Flankers with 3-5 Center	2-6 Flankers with 4-0 Center	2-6 Flankers with 5-0 Center
Heights	Rough Opening	 MRACA2620/30	 MRACA2620/35	 MRACA2620/40	 MRACA2620/50
	Call Size	 MRACA2624/30	 MRACA2624/35	 MRACA2624/40	 MRACA2624/50
	2'-0 1/4"	 MRACA2630/30	 MRACA2630/35	 MRACA2630/40	 MRACA2630/50
	2'-4 1/4"	 MRACA2635/30	 MRACA2635/35	 MRACA2635/40	 MRACA2635/50
	3'-0"	 MRACA2640/30	 MRACA2640/35	 MRACA2640/40	 MRACA2640/50
	3'-4 1/4"	 MRACA2645/30	 MRACA2645/35	 MRACA2645/40	 MRACA2645/50
	3'-6"	 MRACA2650/30	 MRACA2650/35	 MRACA2650/40	 MRACA2650/50
	3'-5 1/2"	 MRACA2655/30	 MRACA2655/35	 MRACA2655/40	 MRACA2655/50
	4'-0"	 MRACA2660/30	 MRACA2660/35	 MRACA2660/40	 MRACA2660/50
	4'-2"	 MRACA2665/30	 MRACA2665/35	 MRACA2665/40	 MRACA2665/50
	4'-4"	 MRACA2670/30	 MRACA2670/35	 MRACA2670/40	 MRACA2670/50
	4'-5"	 MRACA2675/30	 MRACA2675/35	 MRACA2675/40	 MRACA2675/50
	4'-5 1/2"	 MRACA2680/30	 MRACA2680/35	 MRACA2680/40	 MRACA2680/50
	5'-0"	 MRACA2685/30	 MRACA2685/35	 MRACA2685/40	 MRACA2685/50
	5'-5 1/2"	 MRACA2690/30	 MRACA2690/35	 MRACA2690/40	 MRACA2690/50
	6'-0"	 MRACA2695/30	 MRACA2695/35	 MRACA2695/40	 MRACA2695/50
	6'-5 1/2"	 MRACA2700/30	 MRACA2700/35	 MRACA2700/40	 MRACA2700/50
	7'-0"	 MRACA2705/30	 MRACA2705/35	 MRACA2705/40	 MRACA2705/50



STYLE V2B
(Shown Above)



STYLE V2L



STYLE V2R

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

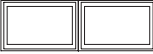
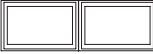
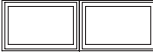
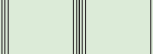
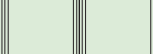
NOTE:
Shaded units satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area.

		Widths				
		2'-8 1/4"	5'-5 1/2"	8'-2 3/4"	11'-0"	13'-9 1/4"
		2'-9 1/4"	5'-6 1/2"	8'-3 3/4"	11'-1"	13'-10 1/4"
		2-8	2-8 Twin	2-8 Triple	2-8 Quad	2-8 Quint
Heights	Unit Dimension					
	Rough Opening Call Size					
	2'-0 1/4"	MRACA2820	MRACA2820-2	MRACA2820-3	MRACA2820-4	MRACA2820-5
	2'-4 1/4"	MRACA2824	MRACA2824-2	MRACA2824-3	MRACA2824-4	MRACA2824-5
	3'-0"	MRACA2830	MRACA2830-2	MRACA2830-3	MRACA2830-4	MRACA2830-5
	3'-5 1/2"	MRACA2835	MRACA2835-2	MRACA2835-3	MRACA2835-4	MRACA2835-5
	4'-1 1/2"	MRACA2840	MRACA2840-2	MRACA2840-3	MRACA2840-4	MRACA2840-5
	4'-5"	MRACA2845	MRACA2845-2	MRACA2845-3	MRACA2845-4	MRACA2845-5
	5'-0"	MRACA2850	MRACA2850-2	MRACA2850-3	MRACA2850-4	MRACA2850-5
	5'-5"	MRACA2855	MRACA2855-2	MRACA2855-3	MRACA2855-4	MRACA2855-5
	6'-0"	MRACA2860	MRACA2860-2	MRACA2860-3	MRACA2860-4	MRACA2860-5
	6'-5"	MRACA2865	MRACA2865-2	MRACA2865-3	MRACA2865-4	MRACA2865-5
	7'-0"	MRACA2870	MRACA2870-2	MRACA2870-3	MRACA2870-4	MRACA2870-5

NOTE:

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

Casement – Operating Units

		Widths				
Unit Dimension Rough Opening Call Size	Heights	3'-0"	6'-1"	9'-2"	12'-3"	15'-4"
		3'-1"	6'-2"	9'-3"	12'-4"	15'-5"
		3-0	3-0 Twin	3-0 Triple	3-0 Quad	3-0 Quint
2'-0 1/4"	2'-0"					
2'-4 1/4"	2'-4"					
3'-0"	3'-0"					
3'-5 1/2"	3'-5"					
4'-1 1/2"	4'-1"					
4'-5"	4'-5"					
5'-0"	5'-0"					
5'-5"	5'-5"					
6'-0"	6'-0"					
6'-5"	6'-5"					
7'-0"	7'-0"					

NOTE:

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

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

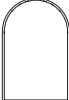
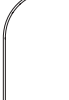
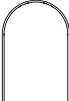
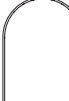
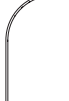
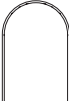
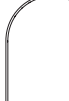
Casement – True Radius Units & Matching Side Lights

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

NOTE:

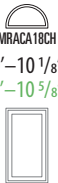
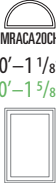
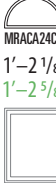
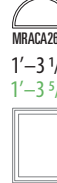
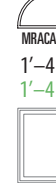
Custom sizes are available.

Casement – True Radius Twin Units

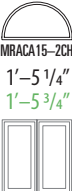
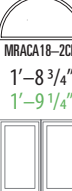
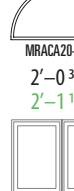
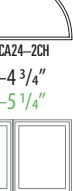
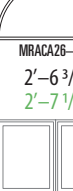
		Widths			
		3'-5 1/2"	4'-1 1/2"	4'-9 1/2"	5'-1 1/2"
		3'-6 1/2"	4'-2 1/2"	4'-10 1/2"	5'-2 1/2"
		1-8 Twin	2-0 Twin	2-4 Twin	2-6 Twin
Heights	Unit Dimension Rough Opening Call Size				
	3-0	 MRADH1830-ZTR 4'-8 3/4" 4'-9 1/4"	 MRADH2030-ZTR 5'-0 3/4" 5'-1 1/4"	 MRADH2430-ZTR 5'-4 3/4" 5'-5 1/4"	 MRADH2630-ZTR 5'-6 3/4" 5'-7 1/4"
	3-5	 MRADH1835-ZTR 5'-2 1/4" 5'-2 3/4"	 MRADH2035-ZTR 5'-6 1/4" 5'-6 3/4"	 MRADH2435-ZTR 5'-10 1/4" 5'-10 3/4"	 MRADH2635-ZTR 6'-0 1/4" 6'-0 3/4"
	4-0	 MRADH1840-ZTR 5'-10 1/4" 5'-10 3/4"	 MRADH2040-ZTR 6'-2 1/4" 6'-2 3/4"	 MRADH2440-ZTR 6'-6 1/4" 6'-6 3/4"	 MRADH2640-ZTR 6'-8 1/4" 6'-8 3/4"
	4-5	 MRADH1845-ZTR 6'-1 3/4" 6'-2 1/4"	 MRADH2045-ZTR 6'-5 3/4" 6'-6 1/4"	 MRADH2445-ZTR 6'-9 3/4" 6'-10 1/4"	 MRADH2645-ZTR 6'-11 3/4" 7'-0 1/4"
	5-0	 MRADH1850-ZTR 6'-8 3/4" 6'-9 1/4"	 MRADH2050-ZTR 7'-0 3/4" 7'-1 1/4"	 MRADH2450-ZTR 7'-4 3/4" 7'-5 1/4"	 MRADH2650-ZTR 7'-6 3/4" 7'-7 1/4"
	5-5	 MRADH1855-ZTR 7'-1 3/4" 7'-2 1/4"	 MRADH2055-ZTR 7'-5 3/4" 7'-6 1/4"	 MRADH2455-ZTR 7'-9 3/4" 7'-10 1/4"	 MRADH1855-ZTR 7'-11 3/4" 8'-0 1/4"
	6-0	 MRADH1860-ZTR 7'-8 3/4" 7'-9 1/4"	 MRADH2060-ZTR 8'-0 3/4" 8'-1 1/4"	 MRADH2460-ZTR 8'-4 3/4" 8'-5 1/4"	 MRADH1860-ZTR 8'-6 3/4" 8'-7 1/4"

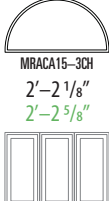
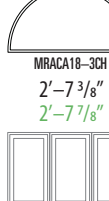
Unit height is listed first under individual windows
Rough Opening height dimension is listed second under individual windows

Casement – Circle Head Units

		Widths					
Heights	Unit Dimension Rough Opening Call Size	1'-8 1/4"	2'-0 1/4"	2'-4 1/4"	2'-6 1/4"	2'-8 1/4"	3'-0"
		1'-9 1/4"	2'-1 1/4"	2'-4 1/4"	2'-7 1/4"	2'-9 1/4"	3'-1"
		1-8	2-0	2-4	2-6	2-8	3-0
							
		MRACA18CH 0'-10 1/8" 0'-10 5/8"	MRACA20CH 0'-1 1/8" 0'-1 5/8"	MRACA24CH 1'-2 1/8" 1'-2 5/8"	MRACA26CH 1'-3 1/8" 1'-3 5/8"	MRACA28CH 1'-4 1/8" 1'-4 5/8"	MRACA30CH 1'-6" 1'-6 1/2"

		Widths				
Heights	Unit Dimension Rough Opening Call Size	3'-0"	3'-5 1/2"	4'-1 1/2"	5'-0"	6'-0"
		3'-1"	3'-6 1/2"	4'-2 1/2"	5'-1"	6'-1"
		3-0 Picture	3-5 Picture	4-0 Picture	5-0 Picture	6-0 Picture
						
		MRACA30PCH 1'-6" 1'-6 1/2"	MRACA35PCH 1'-8 3/4" 1'-9 1/4"	MRACA40PCH 2'-0 3/4" 2'-1 1/4"	MRACA50PCH 2'-6" 2'-6 1/2"	MRACA60PCH 3'-0" 3'-0 1/2"

		Widths						
Heights	Unit Dimension Rough Opening Call Size	2'-10 1/2"	3'-5 1/2"	4'-1 1/2"	4'-9 1/2"	5'-1 1/2"	5'-5 1/2"	6'-1 1/2"
		2'-11 1/2"	3'-6 1/2"	4'-2 1/2"	4'-10 1/2"	5'-2 1/2"	5'-6 1/2"	6'-2 1/2"
		1-5 Twin	1-8 Twin	2-0 Twin	2-4 Twin	2-6 Twin	2-8 Twin	3-0 Twin
								
		MRACA15-2CH 1'-5 1/4" 1'-5 3/4"	MRACA18-2CH 1'-8 3/4" 1'-9 1/4"	MRACA20-2CH 2'-0 3/4" 2'-1 1/4"	MRACA24-2CH 2'-4 3/4" 2'-5 1/4"	MRACA26-2CH 2'-6 3/4" 2'-7 1/4"	MRACA28-2CH 2'-8 3/4" 2'-9 1/4"	MRACA30-2CH 3'-0 1/2" 3'-1"

		Widths		
Heights	Unit Dimension Rough Opening Call Size	4'-4 1/4"	5'-2 3/4"	6'-2 3/4"
		4'-5 1/4"	5'-3 3/4"	6'-3 3/4"
		1-5 Triple	1-8 Triple	2-0 Triple
				
		MRACA15-3CH 2'-2 1/8" 2'-2 5/8"	MRACA18-3CH 2'-7 3/8" 2'-7 7/8"	MRACA20-3CH 3'-1 3/8" 3'-1 7/8"

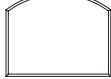
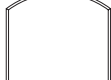
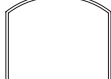
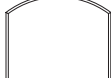
		Widths					
Heights	Unit Dimension Rough Opening Call Size	1'-8 1/4"	2'-0 1/4"	2'-4 1/4"	2'-6 1/4"	2'-8 1/4"	3'-0"
		1'-9 1/4"	2'-1 1/4"	2'-4 1/4"	2'-7 1/4"	2'-9 1/4"	3'-1"
		1-8	2-0	2-4	2-6	2-8	3-0
							
		MRACA18QC	MRACA20QC	MRACA24QC	MRACA26QC	MRACA28QC	MRACA30QC
		1'-8 1/4"	2'-0 1/4"	2'-4 1/4"	2'-6 1/4"	2'-8 1/4"	3'-0"
		1'-8 3/4"	2'-0 3/4"	2'-4 3/4"	2'-6 3/4"	2'-8 3/4"	3'-0 1/2"
							

		Widths			
Heights	Unit Dimension Rough Opening Call Size	3'-5 1/2"	4'-1 1/2"	5'-0"	6'-0"
		3'-6 1/2"	4'-2 1/2"	5'-1"	6'-1"
		3-5 Picture	4-0 Picture	5-0 Picture	6-0 Picture
					
		MRACA35PEL	MRACA40PEL	MRACA50PEL	MRACA60PEL
		0'-10 3/8"	1'-0 3/8"	1'-3 1/2"	1'-6"
		0'-10 7/8"	1'-0 7/8"	1'-3"	1'-6 1/2"
					

		Widths					
Heights	Unit Dimension Rough Opening Call Size	3'-5 1/2"	4'-1 1/2"	4'-9 1/2"	5'-1 1/2"	5'-5 1/2"	6'-1"
		3'-6 1/2"	4'-2 1/2"	4'-10 1/2"	5'-2 1/2"	5'-6 1/2"	6'-2"
		1-8 Twin	2-0 Twin	2-4 Twin	2-6 Twin	2-8 Twin	3-0 Twin
							
		MRACA18-ZEL	MRACA20-ZEL	MRACA24-ZEL	MRACA26-ZEL	MRACA28-ZEL	MRACA30-ZEL
		0'-10 3/8"	1'-0 3/8"	1'-2 3/8"	1'-3 3/8"	1'-4 3/8"	1'-6 1/4"
		0'-10 7/8"	1'-0 7/8"	1'-2 7/8"	1'-3 7/8"	1'-4 7/8"	1'-6 3/4"
							

Casement – Arch Picture Units

		Widths						
		1'-4 3/4"	1'-8 1/4"	2'-0 1/4"	2'-4 1/4"	2'-6 1/4"	2'-8 1/4"	3'-0"
		1'-5 3/4"	1'-9 1/4"	2'-1 1/4"	2'-5 1/4"	2'-7 1/4"	2'-9 1/4"	3'-1"
		1-5	1-8	2-0	2-4	2-6	2-8	3-0
Heights	Unit Dimension Rough Opening Call Size							
	3-0	 MRACA1530AH 3'-2 13/16" • 3'-3 5/16"	 MRACA1830AH 3'-3 3/8" • 3'-3 7/8"	 MRACA2030AH 3'-4 1/16" • 3'-4 9/16"	 MRACA2430AH 3'-4 11/16" • 3'-5 3/16"	 MRACA2630AH 3'-5 1/16" • 3'-5 9/16"	 MRACA2830AH 3'-5 3/8" • 3'-5 7/8"	 MRACA3030AH 3'-6" • 3'-6 1/2"
	3-5	 MRACA1535AH 3'-8 13/16" • 3'-9 5/16"	 MRACA1835AH 3'-8 3/8" • 3'-9 7/8"	 MRACA2035AH 3'-9 9/16" • 3'-10 1/16"	 MRACA2435AH 3'-10 3/16" • 3'-10 11/16"	 MRACA2635AH 3'-10 9/16" • 3'-11 1/16"	 MRACA2835AH 3'-10 7/8" • 3'-11 3/8"	 MRACA3035AH 3'-11 1/2" • 4'-0"
	4-0	 MRACA1540AH 4'-4 5/16" • 4'-4 13/16"	 MRACA1840AH 4'-4 7/8" • 4'-5 3/8"	 MRACA2040AH 4'-5 9/16" • 4'-6 1/16"	 MRACA2440AH 4'-6 3/16" • 4'-6 11/16"	 MRACA2640AH 4'-6 9/16" • 4'-7 1/16"	 MRACA2840AH 4'-6 7/8" • 4'-7 3/8"	 MRACA3040AH 4'-7 1/2" • 4'-8"
	4-5	 MRACA1545AH 4'-7 13/16" • 4'-8 5/16"	 MRACA1845AH 4'-8 3/8" • 4'-8 7/8"	 MRACA2045AH 4'-9 1/16" • 4'-9 9/16"	 MRACA2445AH 4'-9 11/16" • 4'-10 3/16"	 MRACA2645AH 4'-10 1/16" • 4'-10 9/16"	 MRACA2845AH 4'-10 7/8" • 4'-10 7/8"	 MRACA3045AH 4'-11" • 4'-11 1/2"
	5-0	 MRACA1550AH 5'-2 13/16" • 5'-3 5/16"	 MRACA1850AH 5'-3 3/8" • 5'-3 7/8"	 MRACA2050AH 5'-4 1/16" • 5'-4 9/16"	 MRACA2450AH 5'-4 11/16" • 5'-5 3/16"	 MRACA2650AH 5'-5 1/16" • 5'-5 9/16"	 MRACA2850AH 5'-5 3/8" • 5'-5 7/8"	 MRACA3050AH 5'-6" • 5'-6 1/2"
	5-5	 MRACA1555AH 5'-7 13/16" • 5'-8 5/16"	 MRACA1855AH 5'-8 3/8" • 5'-8 7/8"	 MRACA2055AH 5'-9 1/16" • 5'-9 9/16"	 MRACA2455AH 5'-9 11/16" • 5'-10 3/16"	 MRACA2655AH 5'-10 1/16" • 5'-10 9/16"	 MRACA2855AH 5'-10 3/8" • 5'-10 7/8"	 MRACA3055AH 5'-11" • 5'-11 1/2"
	6-0	 MRACA1560AH 6'-2 13/16" • 6'-3 5/16"	 MRACA1860AH 6'-3 3/8" • 6'-3 7/8"	 MRACA2060AH 6'-4 1/16" • 6'-4 9/16"	 MRACA2460AH 6'-4 11/16" • 6'-5 3/16"	 MRACA2660AH 6'-5 1/16" • 6'-5 9/16"	 MRACA2860AH 6'-5 3/8" • 6'-5 7/8"	 MRACA3060AH 6'-6" • 6'-6 1/2"

		Widths			
		2'-10 1/2"	3'-5 1/2"	4'-1 1/4"	4'-9 1/4"
		2'-11 1/2"	3'-6 1/2"	4'-2 1/4"	4'-10 1/4"
		1-5 Twin	1-8 Twin	2-0 Twin	2-4 Twin
Heights	Unit Dimension Rough Opening Call Size				
	3-0	 MRACA1530-2AH 3'-5 3/4" • 3'-6 1/4"	 MRACA1830-2AH 3'-6 15/16" • 3'-7 7/16"	 MRACA2030-2AH 3'-8 1/4" • 3'-8 3/4"	 MRACA2430-2AH 3'-9 9/16" • 3'-10 1/16"
	3-5	 MRACA1535-2AH 3'-11 1/4" • 3'-11 3/4"	 MRACA1835-2AH 4'-0 7/16" • 4'-0 15/16"	 MRACA2035-2AH 4'-2 3/4" • 4'-3 1/4"	 MRACA2435-2AH 4'-3 1/16" • 4'-3 9/16"
	4-0	 MRACA1540-2AH 4'-7 1/4" • 4'-7 3/4"	 MRACA1840-2AH 4'-8 7/16" • 4'-8 15/16"	 MRACA2040-2AH 4'-9 3/4" • 4'-10 1/4"	 MRACA2440-2AH 4'-11 1/16" • 4'-11 9/16"
	4-5	 MRACA1545-2AH 4'-10 3/4" • 4'-11 1/4"	 MRACA1845-2AH 4'-11 15/16" • 5'-0 7/16"	 MRACA2045-2AH 5'-1 1/4" • 5'-1 3/4"	 MRACA2445-2AH 5'-2 9/16" • 5'-3 1/16"
	5-0	 MRACA1550-2AH 5'-5 3/4" • 5'-6 1/4"	 MRACA1850-2AH 5'-6 15/16" • 5'-7 7/16"	 MRACA2050-2AH 5'-8 1/4" • 5'-8 3/4"	 MRACA2450-2AH 5'-9 9/16" • 5'-10 1/16"
	5-5	 MRACA1555-2AH 5'-10 3/4" • 5'-11 1/4"	 MRACA1855-2AH 5'-11 15/16" • 6'-0 7/16"	 MRACA2055-2AH 6'-1 1/4" • 6'-1 3/4"	 MRACA2455-2AH 6'-2 9/16" • 6'-3 1/16"
	6-0	 MRACA1560-2AH 6'-5 3/4" • 6'-6 1/4"	 MRACA1860-2AH 6'-6 15/16" • 6'-7 7/16"	 MRACA2060-2AH 6'-8 1/4" • 6'-8 3/4"	 MRACA2460-2AH 6'-9 9/16" • 6'-10 1/16"

Unit height is listed first under individual windows

Rough Opening height dimension is listed second under individual windows

Casement – Arch Transom Units

		Widths										
		1'-4 3/4"	1'-8 1/4"	2'-0 1/4"	2'-4 1/4"	2'-6 1/4"	2'-8 1/4"	3'-0"	3'-5 1/2"	4'-1 1/2"	5'-0"	6'-0"
		1'-5 3/4"	1'-9 1/4"	2'-1 1/4"	2'-5 1/4"	2'-7 1/4"	2'-9 1/4"	3'-1"	3'-6 1/2"	4'-2 1/2"	5'-1"	6'-1"
		1-5	1-8	2-0	2-4	2-6	2-8	3-0	3-5	4-0	5-0	6-0
Heights	Unit Dimension Rough Opening Call Size											
	0-6	 MRACA1506AHTN 0'-10 3/16" 0'-10 11/16"	 MRACA1806AHTN 0'-10 3/4" 0'-11 1/4"	 MRACA2006AHTN 0'-11 7/16" 0'-11 15/16"	 MRACA2406AHTN 1'-0 1/16" 1'-0 9/16"	 MRACA2606AHTN 1'-0 7/16" 1'-0 15/16"	 MRACA2806AHTN 1'-0 3/4" 1'-1 1/4"	 MRACA3006AHTN 1'-1 3/8" 1'-1 7/8"	 MRACA3506AHTN 1'-2 5/16" 1'-2 13/16"	 MRACA4006AHTN 1'-3 3/8" 1'-4 1/8"	 MRACA5006AHTN 1'-5 3/8" 1'-5 7/8"	 MRACA6006AHTN 1'-7 3/8" 1'-7 7/8"
	0-10	 MRACA1510AHTN 1'-2 3/16" 1'-2 11/16"	 MRACA1810AHTN 1'-2 3/4" 1'-3 1/4"	 MRACA2010AHTN 1'-3 7/16" 1'-3 15/16"	 MRACA2410AHTN 1'-4 1/16" 1'-4 9/16"	 MRACA2610AHTN 1'-4 7/16" 1'-4 15/16"	 MRACA2810AHTN 1'-4 3/4" 1'-5 1/4"	 MRACA3010AHTN 1'-5 3/8" 1'-5 7/8"	 MRACA3510AHTN 1'-6 5/16" 1'-6 13/16"	 MRACA4010AHTN 1'-7 3/8" 1'-8 1/8"	 MRACA5010AHTN 1'-9 3/8" 1'-9 7/8"	 MRACA6010AHTN 1'-11 3/8" 1'-11 7/8"
	1-0	 MRACA1510AHTN 1'-4 3/16" 1'-4 11/16"	 MRACA1810AHTN 1'-4 3/4" 1'-5 1/4"	 MRACA2010AHTN 1'-5 7/16" 1'-5 15/16"	 MRACA2410AHTN 1'-6 1/16" 1'-6 9/16"	 MRACA2610AHTN 1'-6 7/16" 1'-6 15/16"	 MRACA2810AHTN 1'-6 3/4" 1'-7 1/4"	 MRACA3010AHTN 1'-7 3/8" 1'-7 7/8"	 MRACA3510AHTN 1'-8 5/16" 1'-8 13/16"	 MRACA4010AHTN 1'-9 3/8" 1'-10 1/8"	 MRACA5010AHTN 1'-11 3/8" 1'-11 7/8"	 MRACA6010AHTN 2'-1 3/8" 2'-1 7/8"
	1-2	 MRACA1512AHTN 1'-6 3/16" 1'-6 11/16"	 MRACA1812AHTN 1'-6 3/4" 1'-7 1/4"	 MRACA2012AHTN 1'-7 7/16" 1'-7 15/16"	 MRACA2412AHTN 1'-8 1/16" 1'-8 9/16"	 MRACA2612AHTN 1'-8 7/16" 1'-8 15/16"	 MRACA2812AHTN 1'-8 3/4" 1'-9 1/4"	 MRACA3012AHTN 1'-9 3/8" 1'-9 7/8"	 MRACA3512AHTN 1'-10 5/16" 1'-10 13/16"	 MRACA4012AHTN 1'-11 3/8" 2'-0 1/8"	 MRACA5012AHTN 2'-1 3/8" 2'-1 7/8"	 MRACA6012AHTN 2'-3 3/8" 2'-3 7/8"
	1-6	 MRACA1516AHTN 1'-10 3/16" 1'-10 11/16"	 MRACA1816AHTN 1'-10 3/4" 1'-11 1/4"	 MRACA2016AHTN 1'-11 7/16" 1'-11 15/16"	 MRACA2416AHTN 2'-0 1/16" 2'-0 9/16"	 MRACA2616AHTN 2'-0 7/16" 2'-0 15/16"	 MRACA2816AHTN 2'-0 3/4" 2'-1 1/4"	 MRACA3016AHTN 2'-1 3/8" 2'-1 7/8"	 MRACA3516AHTN 2'-2 5/16" 2'-2 13/16"	 MRACA4016AHTN 2'-3 3/8" 2'-4 1/8"	 MRACA5016AHTN 2'-5 3/8" 2'-5 7/8"	 MRACA6016AHTN 2'-7 3/8" 2'-7 7/8"
	2-0	 MRACA1510AHTN 2'-3 1/16" 2'-3 9/16"	 MRACA1810AHTN 2'-3 3/8" 2'-4 1/8"	 MRACA2010AHTN 2'-4 3/16" 2'-4 15/16"	 MRACA2410AHTN 2'-4 15/16" 2'-5 1/16"	 MRACA2610AHTN 2'-5 5/16" 2'-5 13/16"	 MRACA2810AHTN 2'-5 5/8" 2'-6 1/8"	 MRACA3010AHTN 2'-6 1/4" 2'-6 3/4"	 MRACA3510AHTN 2'-8 5/16" 2'-8 13/16"	 MRACA4010AHTN 2'-8 1/2" 2'-9"	 MRACA5010AHTN 2'-10 1/4" 2'-10 3/4"	 MRACA6010AHTN 3'-0 3/8" 3'-0 7/8"
												

Casement – Arch Transom Twin Units

		Widths						
		2'-10 1/2"	3'-5 1/2"	4'-1 1/2"	4'-9 1/2"	5'-1 1/2"	5'-5 1/2"	6'-1 1/2"
		2'-11 1/2"	3'-6 1/2"	4'-2 1/2"	4'-10 1/2"	5'-2 1/2"	5'-6 1/2"	6'-2 1/2"
		1-5 Twin	1-8 Twin	2-0 Twin	2-4 Twin	2-6 Twin	2-8 Twin	3-0 Twin
Heights	Unit Dimension Rough Opening Call Size							
	0-6	 MRACA1506AHTN 1'-1 1/8" 1'-1 3/8"	 MRACA1806AHTN 1'-2 3/16" 1'-2 13/16"	 MRACA2006AHTN 1'-3 3/8" 1'-4 1/8"	 MRACA2406AHTN 1'-4 15/16" 1'-5 7/16"	 MRACA2606AHTN 1'-5 3/8" 1'-6 1/8"	 MRACA2806AHTN 1'-6 3/16" 1'-6 13/16"	 MRACA3006AHTN 1'-7 9/16" 1'-8 1/16"
	0-10	 MRACA15010AHTN 1'-5 1/8" 1'-5 5/8"	 MRACA18010AHTN 1'-6 3/16" 1'-6 13/16"	 MRACA20010AHTN 1'-7 3/8" 1'-8 1/8"	 MRACA24010AHTN 1'-8 15/16" 1'-9 7/16"	 MRACA26010AHTN 1'-9 3/8" 1'-10 1/8"	 MRACA28010AHTN 1'-10 3/16" 1'-10 13/16"	 MRACA30010AHTN 1'-11 3/16" 2'-0 1/16"
	1-0	 MRACA1510AHTN 1'-7 1/8" 1'-7 5/8"	 MRACA1810AHTN 1'-8 3/16" 1'-8 13/16"	 MRACA2010AHTN 1'-9 3/8" 1'-10 1/8"	 MRACA2410AHTN 1'-10 15/16" 1'-11 7/16"	 MRACA2610AHTN 1'-11 3/8" 2'-0 1/8"	 MRACA2810AHTN 2'-0 3/16" 2'-0 13/16"	 MRACA3010AHTN 2'-1 9/16" 2'-2 1/16"
	1-2	 MRACA1512AHTN 1'-9 1/8" 1'-9 5/8"	 MRACA1812AHTN 1'-10 3/16" 1'-10 13/16"	 MRACA2012AHTN 1'-11 3/8" 2'-0 1/8"	 MRACA2412AHTN 2'-0 15/16" 2'-1 7/16"	 MRACA2612AHTN 2'-1 3/8" 2'-2 1/8"	 MRACA2812AHTN 2'-2 3/16" 2'-2 13/16"	 MRACA3012AHTN 2'-3 9/16" 2'-4 1/16"
	1-6	 MRACA1516AHTN 2'-1 1/8" 2'-1 5/8"	 MRACA1816AHTN 2'-2 3/16" 2'-2 13/16"	 MRACA2016AHTN 2'-3 3/8" 2'-4 1/8"	 MRACA2416AHTN 2'-4 15/16" 2'-5 7/16"	 MRACA2616AHTN 2'-5 3/8" 2'-6 1/8"	 MRACA2816AHTN 2'-6 3/16" 2'-6 13/16"	 MRACA3016AHTN 2'-7 9/16" 2'-8 1/16"
	2-0	 MRACA1520AHTN 2'-6" 2'-6 1/2"	 MRACA1820AHTN 2'-7 3/16" 2'-7 11/16"	 MRACA2020AHTN 2'-8 1/2" 2'-9"	 MRACA2420AHTN 2'-9 13/16" 2'-10 3/16"	 MRACA2620AHTN 2'-10 1/2" 2'-11"	 MRACA2820AHTN 2'-11 3/16" 2'-11 11/16"	 MRACA3020AHTN 3'-0 7/16" 3'-0 15/16"
								

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

Casement – Direct Set Transom Units

		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'-6 1/4"	2'-8 1/4"	3'-0"	3'-5 1/2"	4'-1 1/2"	5'-0"	6'-0"
		1'-5 3/4"	1'-9 1/4"	2'-1 1/4"	2'-5 1/4"	2'-7 1/4"	2'-9 1/4"	3'-1"	3'-6 1/2"	4'-2 1/2"	5'-1"	6'-1"
		1-5	1-8	2-0	2-4	2-6	2-8	3-0	3-5 Picture	4-0 Picture	5-0 Picture	6-0 Picture
		0-10	1-0	1-2	1-6	2-0	2-4					
2'-4 1/4"	2'-0 1/4"	MRACA15010TN	MRACA18010TN	MRACA24010TN	MRACA26010TN	MRACA28010TN	MRACA30010TN	MRACA35010-PTN	MRACA40010-PTN	MRACA50010-PTN	MRACA60010-PTN	
2'-4 3/4"	2'-0 3/4"	MRACA1510TN	MRACA1810TN	MRACA2410TN	MRACA2610TN	MRACA2810TN	MRACA3010TN	MRACA3510-PTN	MRACA4010-PTN	MRACA5010-PTN	MRACA6010-PTN	
		MRACA1512TN	MRACA1812TN	MRACA2412TN	MRACA2612TN	MRACA2812TN	MRACA3012TN	MRACA3512-PTN	MRACA4012-PTN	MRACA5012-PTN	MRACA6012-PTN	
		MRACA1516TN	MRACA1816TN	MRACA2416TN	MRACA2616TN	MRACA2816TN	MRACA3016TN	MRACA3516-PTN	MRACA4016-PTN	MRACA5016-PTN	MRACA6016-PTN	
		MRACA1520TN	MRACA1820TN	MRACA2420TN	MRACA2620TN	MRACA2820TN	MRACA3020TN	MRACA3520-PTN	MRACA4020-PTN	MRACA5020-PTN	MRACA6020-PTN	
		MRACA1524TN	MRACA1824TN	MRACA2424TN	MRACA2624TN	MRACA2824TN	MRACA3024TN	MRACA3524-PTN	MRACA4024-PTN	MRACA5024-PTN	MRACA6024-PTN	

		Twin Widths						
Heights	Unit Dimension Rough Opening Call Size	2'-10 1/2"	3'-5 1/2"	4'-1 1/2"	4'-9 1/2"	5'-1 1/2"	5'-5 1/2"	6'-1"
		2'-11 1/2"	3'-6 1/2"	4'-2 1/2"	4'-10 1/2"	5'-2 1/2"	5'-6 1/2"	6'-2"
		1-5 Twin	1-8 Twin	2-0 Twin	2-4 Twin	2-6 Twin	2-8 Twin	3-0 Twin
		0-10	1-0	1-2	1-6	2-0	2-4	
		MRACA15010-2TN	MRACA18010-2TN	MRACA20010-2TN	MRACA24010-2TN	MRACA26010-2TN	MRACA28010-2TN	MRACA30010-2TN
		MRACA1510-2TN	MRACA1810-2TN	MRACA2010-2TN	MRACA2410-2TN	MRACA2610-2TN	MRACA2810-2TN	MRACA3010-2TN
		MRACA1512-2TN	MRACA1812-2TN	MRACA2012-2TN	MRACA2412-2TN	MRACA2612-2TN	MRACA2812-2TN	MRACA3012-2TN
		MRACA1516-2TN	MRACA1816-2TN	MRACA2016-2TN	MRACA2416-2TN	MRACA2616-2TN	MRACA2816-2TN	MRACA3016-2TN
		MRACA1520-2TN	MRACA1820-2TN	MRACA2020-2TN	MRACA2420-2TN	MRACA2620-2TN	MRACA2820-2TN	MRACA3020-2TN
		MRACA1524-2TN	MRACA1824-2TN	MRACA2024-2TN	MRACA2424-2TN	MRACA2624-2TN	MRACA2824-2TN	MRACA3024-2TN

Casement – Sash & Frame Transom Units

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

Casement – Operating Extended Round Units

		Widths				
		2'-0 1/4"	2'-4 1/4"	2'-6 1/4"	2'-8 1/4"	3'-0"
		2'-1 1/4"	2'-5 1/4"	2'-7 1/4"	2'-9 1/4"	3'-1"
		2-0	2-4	2-6	2-8	3-0
Heights	Unit Dimension Rough Opening Call Size					
	2-0	 MRACA2020TR 3'-0 3/8" 3'-0 7/8"	 MRACA2420TR 3'-2 3/8" 3'-2 7/8"	 MRACA2620TR 3'-3 3/8" 3'-3 7/8"	 MRACA2820TR 3'-4 3/8" 3'-4 7/8"	 MRACA3020TR 3'-6 1/4" 3'-6 3/4"
	2-4	 MRACA2024TR 3'-4 3/8" 3'-4 7/8"	 MRACA2424TR 3'-6 3/8" 3'-6 7/8"	 MRACA2624TR 3'-7 3/8" 3'-7 7/8"	 MRACA2824TR 3'-8 3/8" 3'-8 7/8"	 MRACA3024TR 3'-10 1/4" 3'-10 3/4"
	3-0	 MRACA2030TR 4'-0 1/8" 4'-0 5/8"	 MRACA2430TR 4'-2 1/8" 4'-2 5/8"	 MRACA2630TR 4'-3 1/4" 4'-3 3/4"	 MRACA2830TR 4'-4 1/8" 4'-4 5/8"	 MRACA3030TR 4'-6" 4'-6 1/2"
	3-5	 MRACA2035TR 4'-5 3/8" 4'-6 1/8"	 MRACA2435TR 4'-7 1/8" 4'-8 1/8"	 MRACA2635TR 4'-8 3/8" 4'-9 1/8"	 MRACA2835TR 4'-9 3/8" 4'-10 1/8"	 MRACA3035TR 4'-11 1/2" 5'-0"
	4-0	 MRACA2040TR 5'-5 3/8" 5'-6 1/8"	 MRACA2440TR 5'-3 3/8" 5'-4 1/8"	 MRACA2640TR 5'-4 3/8" 5'-5 1/8"	 MRACA2840TR 5'-5 3/8" 5'-6 1/8"	 MRACA3040TR 5'-7 1/2" 5'-8"
	4-5	 MRACA2045TR 5'-5 1/8" 5'-5 5/8"	 MRACA2445TR 5'-7 1/8" 5'-7 5/8"	 MRACA2645TR 5'-8 1/8" 5'-8 5/8"	 MRACA2845TR 5'-9 1/8" 5'-9 5/8"	 MRACA3045TR 5'-11" 5'-11 1/2"
	5-0	 MRACA2050TR 6'-0 1/8" 6'-0 5/8"	 MRACA2450TR 6'-2 1/8" 6'-2 5/8"	 MRACA2650TR 6'-3 1/8" 6'-3 5/8"	 MRACA2850TR 6'-4 1/8" 6'-4 5/8"	 MRACA3050TR 6'-6" 6'-6 1/2"
	5-5	 MRACA2055TR 6'-5 1/8" 6'-5 5/8"	 MRACA2455TR 6'-7 1/8" 6'-7 5/8"	 MRACA2655TR 6'-8 1/8" 6'-8 5/8"	 MRACA2855TR 6'-9 1/8" 6'-9 5/8"	 MRACA3055TR 6'-11" 6'-11 1/2"
	6-0	 MRACA2060TR 7'-0 1/8" 7'-0 5/8"	 MRACA2460TR 7'-2 1/8" 7'-2 5/8"	 MRACA2660TR 7'-3 1/8" 7'-3 5/8"	 MRACA2860TR 7'-4 1/8" 7'-4 5/8"	 MRACA3060TR 7'-6" 7'-6 1/2"

NOTE:

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

Casement – Operating Extended Eyebrow Units

		Widths				
		2'-0 1/4"	2'-4 1/4"	2'-6 1/4"	2'-8 1/4"	3'-0"
		2'-1 1/4"	2'-5 1/4"	2'-7 1/4"	2'-9 1/4"	3'-1"
		2-0	2-4	2-6	2-8	3-0
Heights	Unit Dimension Rough Opening Call Size					
	2-0	 MRACA2020AH 2'-4 3/16" 2'-4 13/16"	 MRACA2420AH 2'-8 15/16" 2'-5 7/16"	 MRACA2620AH 2'-5 3/16" 2'-5 13/16"	 MRACA2820AH 2'-5 3/8" 2'-6 1/8"	 MRACA3020AH 2'-6 1/4" 2'-6 3/4"
	2-4	 MRACA2024AH 2'-8 3/16" 2'-8 13/16"	 MRACA2424AH 2'-8 15/16" 2'-9 7/16"	 MRACA2624AH 2'-9 3/16" 2'-9 13/16"	 MRACA2824AH 2'-9 3/8" 2'-10 1/8"	 MRACA3024AH 2'-10 1/4" 2'-10 3/4"
	3-0	 MRACA2030AH 3'-4 1/16" 3'-4 9/16"	 MRACA2430AH 3'-4 11/16" 3'-5 3/16"	 MRACA2630AH 3'-5 1/16" 3'-5 9/16"	 MRACA2830AH 3'-5 3/8" 3'-5 7/8"	 MRACA3030AH 3'-6" 3'-6 1/2"
	3-5	 MRACA2035AH 3'-9 9/16" 3'-10 1/16"	 MRACA2435AH 3'-10 3/16" 3'-11 1/16"	 MRACA2635AH 3'-10 3/16" 3'-11 1/16"	 MRACA2835AH 3'-10 3/8" 3'-11 3/8"	 MRACA3035AH 3'-11 1/2" 4'-0"
	4-0	 MRACA2040AH 4'-5 9/16" 4'-6 1/16"	 MRACA2440AH 4'-6 3/16" 4'-6 11/16"	 MRACA2640AH 4'-6 9/16" 4'-7 1/16"	 MRACA2840AH 4'-6 7/8" 4'-7 3/8"	 MRACA3040AH 4'-7 1/2" 4'-8"
	4-5	 MRACA2045AH 4'-9 1/16" 4'-9 9/16"	 MRACA2445AH 4'-9 11/16" 4'-10 3/16"	 MRACA2645AH 4'-10 1/16" 4'-10 9/16"	 MRACA2845AH 4'-10 3/8" 4'-10 7/8"	 MRACA3045AH 4'-11" 4'-11 1/2"
	5-0	 MRACA2050AH 5'-4 1/16" 5'-4 9/16"	 MRACA2450AH 5'-4 11/16" 5'-5 3/16"	 MRACA2650AH 5'-5 1/16" 5'-5 9/16"	 MRACA2850AH 5'-5 3/8" 5'-5 7/8"	 MRACA3050AH 5'-6" 5'-6 1/2"
	5-5	 MRACA2055AH 5'-9 1/16" 5'-9 9/16"	 MRACA2455AH 5'-9 11/16" 5'-10 3/16"	 MRACA2655AH 5'-10 1/16" 5'-10 9/16"	 MRACA2855AH 5'-10 3/8" 5'-10 7/8"	 MRACA3055AH 5'-11" 5'-11 1/2"
	6-0	 MRACA2060AH 6'-4 1/16" 6'-4 9/16"	 MRACA2460AH 6'-4 11/16" 6'-5 3/16"	 MRACA2660AH 6'-5 1/16" 6'-5 9/16"	 MRACA2860AH 6'-5 3/8" 6'-5 7/8"	 MRACA3060AH 6'-6" 6'-6 1/2"

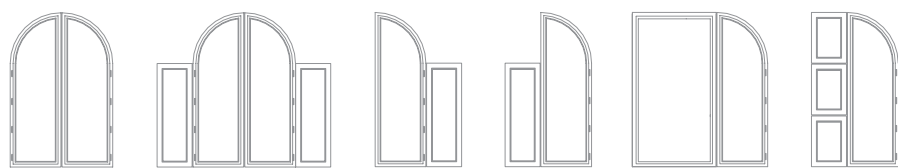
NOTE:

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

Casement – Operating Extended Quarter Round Units

		Widths	
		2'-0 1/4"	2'-4 1/4"
		2'-1 1/4"	2'-5 1/4"
		2-0	2-4
Heights	Unit Dimension Rough Opening Call Size		
	2-0	 MRACA2020QC 4'-0 1/2" 4'-1"	 MRACA2420QC 4'-4 1/2" 4'-5"
	2-4	 MRACA2024QC 4'-4 1/2" 4'-5"	 MRACA2424QC 4'-8 1/2" 4'-9"
	3-0	 MRACA2030QC 5'-0 1/4" 5'-0 3/4"	 MRACA2430QC 5'-4 1/4" 5'-4 3/4"
	3-5	 MRACA2035QC 5'-5 3/4" 5'-6 1/4"	 MRACA2435QC 5'-9 3/4" 5'-10 1/4"
	4-0	 MRACA2040QC 6'-1 3/4" 6'-2 1/4"	 MRACA2440QC 6'-5 3/4" 6'-6 1/4"

Mulling Options



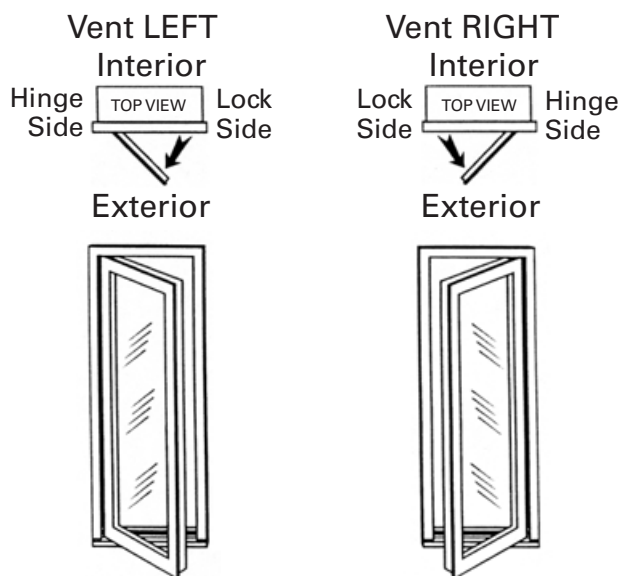
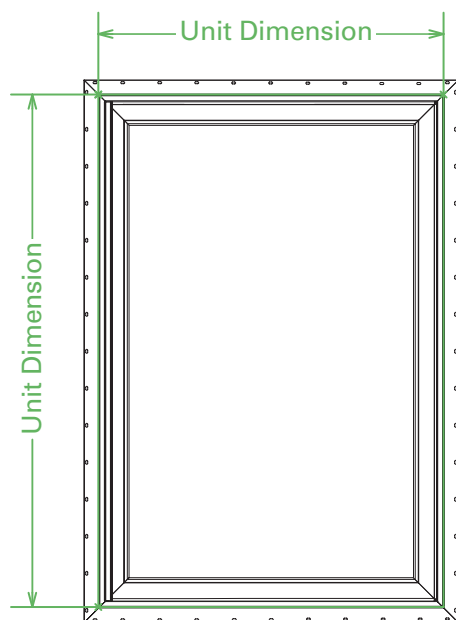
Casement – Operating Extended Quarter Eyebrow Units

		Widths				
		2'-0 1/4"	2'-4 1/4"	2'-6 1/4"	2'-8 1/4"	3'-0"
		2'-1 1/4"	2'-5 1/4"	2'-7 1/4"	2'-8 1/4"	3'-1"
		2-0	2-4	2-6	2-8	3-0
Heights	Unit Dimension Rough Opening Call Size					
	2-0	 MRACA2020UAH 2'-8 1/2" 2'-8"	 MRACA2420UAH 2'-9 13/16" 2'-10 5/16"	 MRACA2620UAH 2'-10 1/2" 2'-11"	 MRACA2820UAH 2'-11 3/16" 2'-11 11/16"	 MRACA3020UAH 3'-0 7/16" 3'-0 15/16"
	2-4	 MRACA2024UAH 3'-0 1/2" 3'-1"	 MRACA2424UAH 3'-1 13/16" 3'-2 3/16"	 MRACA2624UAH 3'-2 1/2" 3'-3"	 MRACA2824UAH 3'-3 3/16" 3'-3 11/16"	 MRACA3024UAH 3'-4 7/16" 3'-4 15/16"
	3-0	 MRACA2030UAH 3'-8 1/4" 3'-8 3/4"	 MRACA2430UAH 3'-9 9/16" 3'-10 3/16"	 MRACA2630UAH 3'-10 1/4" 3'-10 3/4"	 MRACA2830UAH 3'-10 15/16" 3'-11 1/16"	 MRACA3030UAH 4'-0 3/16" 4'-0 11/16"
	3-5	 MRACA2035UAH 4'-1 3/4" 4'-2 1/4"	 MRACA2435UAH 4'-3 1/16" 4'-3 9/16"	 MRACA2635UAH 4'-3 3/4" 4'-4 1/4"	 MRACA2835UAH 4'-4 7/16" 4'-4 15/16"	 MRACA3035UAH 4'-5 11/16" 4'-6 3/16"
	4-0	 MRACA2040UAH 4'-9 3/4" 4'-10 1/4"	 MRACA2440UAH 4'-11 1/16" 4'-11 9/16"	 MRACA2640UAH 4'-11 3/4" 5'-0 1/4"	 MRACA2840UAH 5'-0 7/16" 5'-0 15/16"	 MRACA3040UAH 5'-1 11/16" 5'-2 3/16"
	4-5	 MRACA2045UAH 5'-1 1/4" 5'-1 3/4"	 MRACA2445UAH 5'-2 9/16" 5'-3 1/16"	 MRACA2645UAH 5'-3 1/4" 5'-3 3/4"	 MRACA2845UAH 5'-3 15/16" 5'-4 1/16"	 MRACA3045UAH 5'-5 11/16" 5'-5 15/16"
	5-0	 MRACA2050UAH 5'-8 1/4" 5'-8 3/4"	 MRACA2450UAH 5'-9 9/16" 5'-10 1/16"	 MRACA2650UAH 5'-10 1/4" 5'-10 3/4"	 MRACA2850UAH 5'-10 15/16" 5'-11 1/16"	 MRACA3050UAH 6'-0 3/16" 6'-0 11/16"
	5-5	 MRACA2055UAH 6'-1 1/4" 6'-1 3/4"	 MRACA2455UAH 6'-2 9/16" 6'-3 1/16"	 MRACA2655UAH 6'-3 1/4" 6'-3 3/4"	 MRACA2855UAH 6'-3 15/16" 6'-4 1/16"	 MRACA3055UAH 6'-5 11/16" 6'-5 15/16"
	6-0	 MRACA2060UAH 6'-8 1/4" 6'-8 3/4"	 MRACA2460UAH 6'-9 9/16" 6'-10 1/16"	 MRACA2660UAH 6'-10 1/4" 6'-10 3/4"	 MRACA2860UAH 6'-10 15/16" 6'-11 1/16"	 MRACA3060UAH 7'-0 3/16" 7'-0 11/16"

NOTE:

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

Casement – Actual Unit Dimensions



To calculate unit dimension on multiple units, add 1" per mull together with actual unit dimension.

Operating Units, WIDTH

Call size (Width)	1-5	1-8	2-0	2-4	2-6	2-8	3-0
SINGLE	16 ^{-3/4}	20 ^{-1/4}	24 ^{-1/4}	28 ^{-1/4}	30 ^{-1/4}	32 ^{-1/4}	36
TWIN	34 ^{-1/2}	41 ^{-1/2}	49 ^{-1/2}	57 ^{-1/2}	61 ^{-1/2}	65 ^{-1/2}	73
TRIPLE	52 ^{-1/4}	62 ^{-3/4}	74 ^{-3/4}	86 ^{-3/4}	92 ^{-3/4}	98 ^{-3/4}	110
FOUR WIDE	70	84	100	116	124	132	147
FIVE WIDE	87 ^{-3/4}	105 ^{-1/4}	125 ^{-1/4}	145 ^{-1/4}	155 ^{-1/4}	165 ^{-1/4}	184

Fixed Units, WIDTH

Call size (Width)	1-0	1-5	1-8	2-0	2-4	2-6
SINGLE	13 ^{-3/8}	16 ^{-3/4}	20 ^{-1/4}	24 ^{-1/4}	28 ^{-1/4}	30 ^{-1/4}
TWIN	27 ^{-3/4}	34 ^{-1/2}	41 ^{-1/2}	49 ^{-1/2}	57 ^{-1/2}	61 ^{-1/2}
TRIPLE	42 ^{-1/8}	52 ^{-1/4}	62 ^{-3/4}	74 ^{-3/4}	86 ^{-3/4}	92 ^{-3/4}
QUAD	56 ^{-1/2}	70	84	100	116	124
QUINT	70 ^{-7/8}	87 ^{-3/4}	105 ^{-1/4}	125 ^{-1/4}	145 ^{-1/4}	155 ^{-1/4}

Fixed Units, WIDTH

Call size (Width)	2-8	3-0	3-5	4-0	5-0	6-0
SINGLE	32 ^{-1/4}	36	41 ^{-1/2}	49 ^{-1/2}	60	72
TWIN	65 ^{-1/2}	73	84	100	121	145
TRIPLE	98 ^{-3/4}	110	126 ^{-1/2}	150 ^{-1/2}	182	218
QUAD	132	147	169	201	243	291
QUINT	165 ^{-1/4}	184	211 ^{-1/2}	251 ^{-1/2}	304	364

Operating & Fixed Units, HEIGHT

Call size (Width)	Height in Inch
2-0	24 ^{-1/4}
2-4	28 ^{-1/4}
3-0	36
3-5	41 ^{-1/2}
4-0	49 ^{-1/2}
4-5	53
5-0	60
5-5	65
6-0	72
6-5	77
7-0	84

Transom Units, HEIGHT

Call size (Width)	Height in Inch
0-10	11 ^{-3/8}
1-0	13 ^{-3/8}
1-2	15 ^{-3/8}
1-6	17 ^{-3/8}
2-0	24 ^{-1/4}
2-4	28 ^{-1/4}

Operating Units

Call Size	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
MRACA1520	9.000	19.719	1.23	1.4
24	9.000	23.719	1.48	1.7
30	9.000	31.469	1.97	2.3
35	9.000	36.969	2.31	2.8
40	9.000	44.969	2.81	3.4
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
65	9.000	72.349	4.52	5.4
70	9.000	79.349	4.96	6.0
MRACA1820	12.500	19.719	1.71	1.9
24	12.500	23.719	2.06	2.3
30	12.500	31.469	2.73	3.1
35	12.500	36.969	3.12	3.6
40	12.500	44.969	3.82	4.4
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
65	12.500	72.349	6.28	7.2
70	12.500	79.349	6.89	7.9
MRACA2020	16.500	19.719	2.26	2.4
24	16.500	23.719	2.72	2.9
30	16.500	31.469	3.61	3.9
35	16.500	36.969	4.12	4.6
40	16.500	44.969	5.04	5.6
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
65	16.500	72.349	8.29	9.2
70	16.500	79.349	9.09	10.1
MRACA2420	20.500	19.719	2.81	2.9
24	20.500	23.719	3.38	3.5
30	20.500	31.469	4.48	4.7
35	20.500	36.969	5.12	5.6
40	20.500	44.969	6.26	6.9
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
65	20.500	72.349	10.3	11.1
70	20.500	79.349	11.3	12.2

Fixed Units

Call Size	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
MRACA2620	22.500	19.719	3.08	3.2
24	22.500	23.719	3.71	3.8
30	22.500	31.469	4.92	5.2
35	22.500	36.969	5.78	6.1
40	22.500	44.969	7.03	7.5
45	22.500	48.469	7.57	8.1
50	22.500	55.469	8.67	9.3
55	22.500	60.469	9.45	10.1
60	22.500	67.469	10.54	11.3
65	22.500	72.349	11.3	12.1
70	22.500	79.349	12.4	13.3
MRACA2820	24.500	19.719	3.35	3.4
24	24.500	23.719	4.04	4.2
30	24.500	31.469	5.35	5.6
35	24.500	35.969	6.12	6.6
40	24.500	43.969	7.48	8.1
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
65	24.500	72.349	12.31	13.1
70	24.500	79.349	13.5	14.4
MRACA3020	28.250	19.719	3.87	3.9
24	28.250	23.719	4.65	4.7
30	28.250	31.469	6.17	6.4
35	28.250	35.969	6.12	7.5
40	28.250	43.969	7.48	9.2
45	28.250	48.469	8.25	10.0
50	28.250	55.469	9.44	11.4
55	28.250	60.469	10.29	12.5
60	28.250	67.469	11.48	14.0
65	28.250	72.349	14.19	15.0
70	28.250	79.349	15.57	16.4

Call Size	Daylight Opening S.F.	Call Size	Daylight Opening S.F.
MRACA1020P	1.0	MRACA2820P	3.4
24	1.2	24	4.2
30	1.6	30	5.6
35	1.9	35	6.6
40	2.3	40	8.1
45	2.5	45	8.7
50	2.9	50	10.0
55	3.2	55	10.9
60	3.5	60	12.2
65	3.8	65	13.1
70	4.1	70	14.4
MRACA1520P	1.4	MRACA3020P	3.9
24	1.7	24	4.7
30	2.3	30	6.4
35	2.8	35	7.5
40	3.4	40	9.2
45	3.6	45	10.0
50	4.2	50	11.4
55	4.6	55	12.5
60	5.1	60	14.0
65	5.4	65	15.0
70	6.0	70	16.4
MRACA1820P	1.9	MRACA3520P	4.6
24	2.3	24	5.6
30	3.1	30	7.5
35	3.6	35	8.9
40	4.4	40	10.9
45	4.8	45	11.8
50	5.5	50	13.5
55	6.0	55	14.8
60	6.7	60	16.5
65	7.2	65	17.7
70	7.9	70	19.4
MRACA2020P	2.4	MRACA4020P	5.6
24	2.9	24	6.9
30	3.9	30	9.2
35	4.6	35	10.9
40	5.6	40	13.3
45	6.1	45	14.4
50	7.0	50	16.5
55	7.6	55	18.0
60	8.5	60	20.2
65	9.2	65	21.6
70	10.1	70	23.8
MRACA2420P	2.9	MRACA5020P	7.0
24	3.5	24	8.5
30	4.7	30	11.4
35	5.6	35	13.5
40	6.9	40	16.5
45	7.4	45	17.8
50	8.5	50	20.5
55	9.3	55	22.4
60	10.4	60	25.0
65	11.1	65	26.8
70	12.2	70	29.5
MRACA2620P	3.2	MRACA6020P	8.5
24	3.8	24	10.4
30	5.2	30	14.0
35	6.1	35	16.5
40	7.5	40	20.2
45	8.1	45	21.8
50	9.3	50	25.0
55	10.1	55	27.3
60	11.3	60	30.5
65	12.1	65	32.8
70	13.3	70	36.0

NOTE:

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

Casement – Net Clear & Daylight Opening Dimensions

Operating Extended Round Casement Units

Call Size	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
MRACA2020TR	15.000	21.658	2.26	4.6
24	15.000	25.658	2.67	5.2
30	15.000	33.408	3.48	6.2
35	15.000	38.908	4.05	6.9
40	15.000	46.908	4.89	7.9
45	15.000	50.408	5.25	8.3
50	15.000	57.408	5.98	9.2
55	15.000	62.408	6.50	9.9
60	15.000	69.408	7.23	10.8
MRACA2420TR	19.000	21.658	2.86	6.1
24	19.000	25.658	3.39	6.8
30	19.000	33.408	4.41	8.0
35	19.000	38.908	5.13	8.8
40	19.000	46.908	6.19	10.1
45	19.000	50.408	6.65	10.6
50	19.000	57.408	7.57	11.7
55	19.000	62.408	8.23	12.5
60	19.000	69.408	9.19	13.6
MRACA2620TR	21.000	21.658	3.16	6.9
24	21.000	25.658	3.74	7.6
30	21.000	33.408	4.87	8.9
35	21.000	38.908	5.67	9.8
40	21.000	46.908	6.84	11.2
45	21.000	50.408	7.35	11.8
50	21.000	57.408	8.37	13.0
55	21.000	62.408	9.10	13.8
60	21.000	69.408	10.12	15.0
MRACA2820TR	23.000	21.658	3.46	7.8
24	23.000	25.658	4.10	8.5
30	23.000	33.408	5.34	10.0
35	23.000	38.908	6.21	11.0
40	23.000	46.908	7.49	12.5
45	23.000	50.408	8.05	13.1
50	23.000	57.408	9.17	14.4
55	23.000	62.408	9.97	15.3
60	23.000	69.408	11.09	16.6
MRACA3020TR	26.750	21.658	4.02	9.5
24	26.750	25.658	4.77	10.4
30	26.750	33.408	6.21	12.0
35	26.750	38.408	7.23	13.1
40	26.750	46.908	8.71	14.8
45	26.750	50.408	9.36	15.6
50	26.750	57.408	10.66	17.0
55	26.750	62.408	11.59	18.1
60	26.750	69.408	12.89	19.6

Operating Extended Eyebrow Casement Units

Call Size	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
MRACA2020AH	15.000	21.658	2.26	2.8
24	15.000	25.658	2.67	3.3
30	15.000	33.408	3.48	4.3
35	15.000	38.908	4.05	5.0
40	15.000	46.908	4.89	6.1
45	15.000	50.408	5.25	6.5
50	15.000	57.408	5.98	7.4
55	15.000	62.408	6.50	8.1
60	15.000	69.408	7.23	9.0
MRACA2420AH	19.000	21.658	2.86	3.5
24	19.000	25.658	3.39	4.1
30	19.000	33.408	4.41	5.3
35	19.000	38.908	5.13	6.2
40	19.000	46.908	6.19	7.4
45	19.000	50.408	6.65	8.0
50	19.000	57.408	7.57	9.1
55	19.000	62.408	8.23	9.9
60	19.000	69.408	9.16	11.0
MRACA2620AH	21.000	21.658	3.16	3.8
24	21.000	25.658	3.74	4.5
30	21.000	33.408	4.87	5.8
35	21.000	38.908	5.67	6.7
40	21.000	46.908	6.84	8.1
45	21.000	50.408	7.35	8.7
50	21.000	57.408	8.37	9.8
55	21.000	62.408	9.10	10.7
60	21.000	69.408	10.12	11.9
MRACA2820AH	23.000	21.658	3.46	4.2
24	23.000	25.658	4.10	4.9
30	23.000	33.408	5.34	6.4
35	23.000	38.908	6.21	7.4
40	23.000	46.908	7.49	8.8
45	23.000	50.408	8.05	9.5
50	23.000	57.408	9.17	10.8
55	23.000	62.408	9.97	11.7
60	23.000	69.408	11.09	13.0
MRACA3020AH	26.750	21.658	4.02	4.8
24	26.750	25.658	4.77	5.7
30	26.750	33.408	6.21	7.3
35	26.750	38.408	7.23	8.5
40	26.750	46.908	8.71	10.2
45	26.750	50.408	9.36	10.9
50	26.750	57.408	10.66	12.4
55	26.750	62.408	11.59	13.4
60	26.750	69.408	12.89	14.9

NOTE:

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

Operating Extended Quarter Round Casement Units

Call Size	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
MRACA2020QC	15.000	21.658	2.26	4.8
24	15.000	25.658	2.67	5.3
30	15.000	33.408	3.48	6.3
35	15.000	38.908	4.05	7.1
40	15.000	46.908	4.89	8.1
MRACA2420QC	19.000	21.658	2.86	6.3
24	19.000	25.658	3.39	6.9
30	19.000	33.408	4.41	8.1
35	19.000	38.908	5.13	9.0
40	19.000	46.908	6.19	10.2

Operating Extended Quarter Eyebrow Casement Units

Call Size	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
MRACA2020UAH	15.000	21.658	2.26	3.1
24	15.000	25.658	2.67	3.6
30	15.000	33.408	3.48	4.6
35	15.000	38.908	4.05	5.3
40	15.000	46.908	4.89	6.4
45	15.000	50.408	5.25	6.8
50	15.000	57.408	5.98	7.7
55	15.000	62.408	6.50	8.4
60	15.000	69.408	7.23	9.3
MRACA2420UAH	19.000	21.658	2.86	3.9
24	19.000	25.658	3.39	4.5
30	19.000	33.408	4.41	5.8
35	19.000	38.908	5.13	6.6
40	19.000	46.908	6.19	7.9
45	19.000	50.408	6.65	8.4
50	19.000	57.408	7.57	9.5
55	19.000	62.408	8.23	10.3
60	19.000	69.408	9.16	11.4
MRACA2620UAH	21.000	21.658	3.16	4.3
24	21.000	25.658	3.74	5.0
30	21.000	33.408	4.87	6.3
35	21.000	38.908	5.67	7.2
40	21.000	46.908	6.84	8.6
45	21.000	50.408	7.35	9.2
50	21.000	57.408	8.37	10.4
55	21.000	62.408	9.10	11.2
60	21.000	69.408	10.12	12.4
MRACA2820UAH	23.000	21.658	3.46	4.8
24	23.000	25.658	4.10	5.5
30	23.000	33.408	5.34	6.9
35	23.000	38.908	6.21	8.0
40	23.000	46.908	7.49	9.4
45	23.000	50.408	8.05	10.1
50	23.000	57.408	9.17	11.4
55	23.000	62.408	9.97	12.3
60	23.000	69.408	11.09	13.6
MRACA3020UAH	26.750	21.658	4.02	5.6
24	26.750	25.658	4.77	6.5
30	26.750	33.408	6.21	8.1
35	26.750	38.408	7.23	9.2
40	26.750	46.908	8.71	10.9
45	26.750	50.408	9.36	11.7
50	26.750	57.408	10.66	13.1
55	26.750	62.408	11.59	14.2
60	26.750	69.408	12.89	15.7

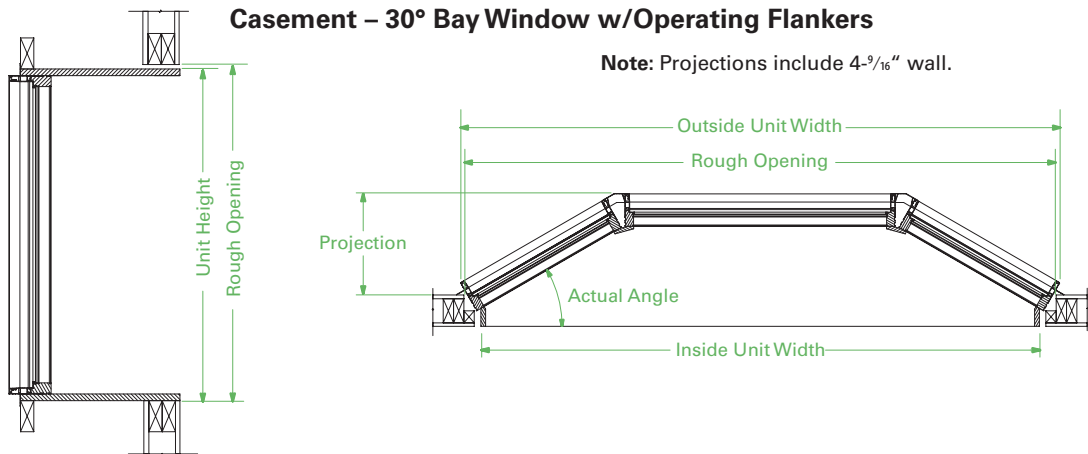
NOTE:

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

NOTE:
Casement - 30° and 45° Bay Windows are available. Please contact your Ply Gem Sales Representative for information.

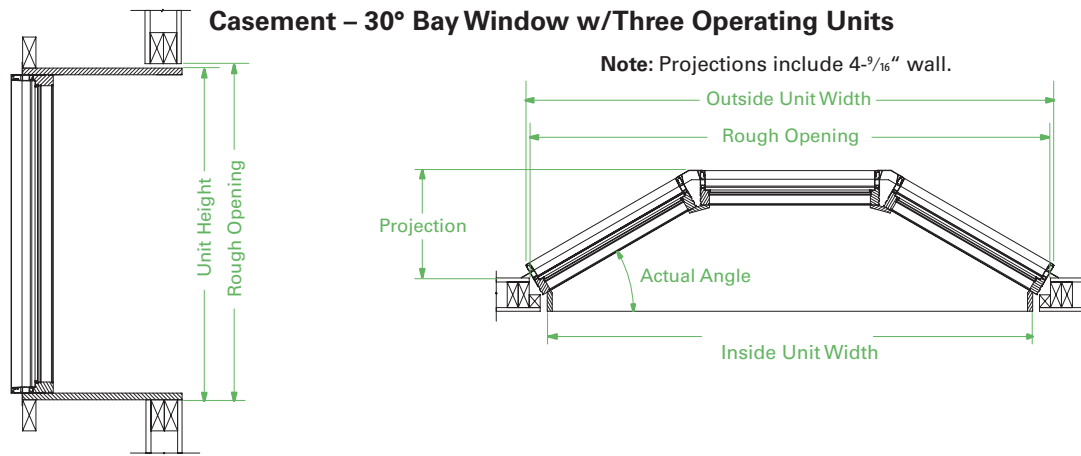
Casement – 30° Bay Window w/Operating Flankers

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



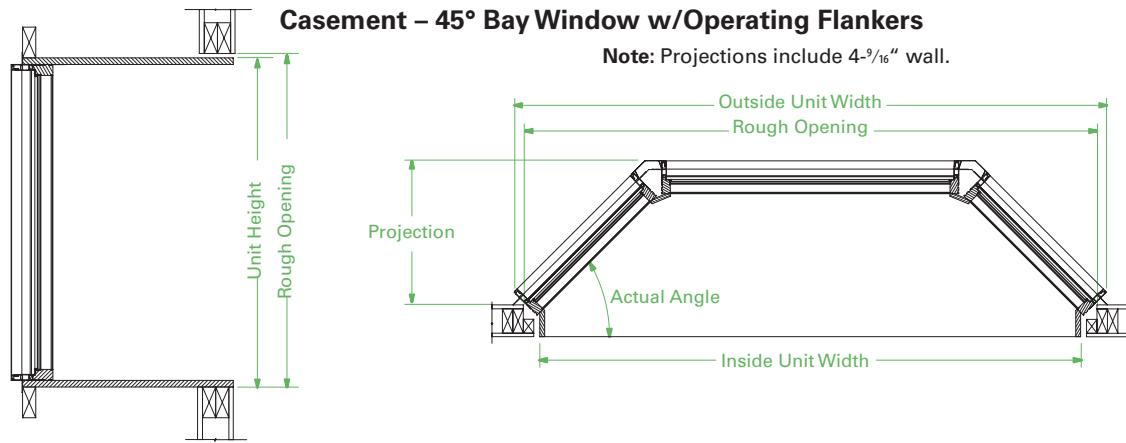
Casement – 30° Bay Window w/Three Operating Units

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



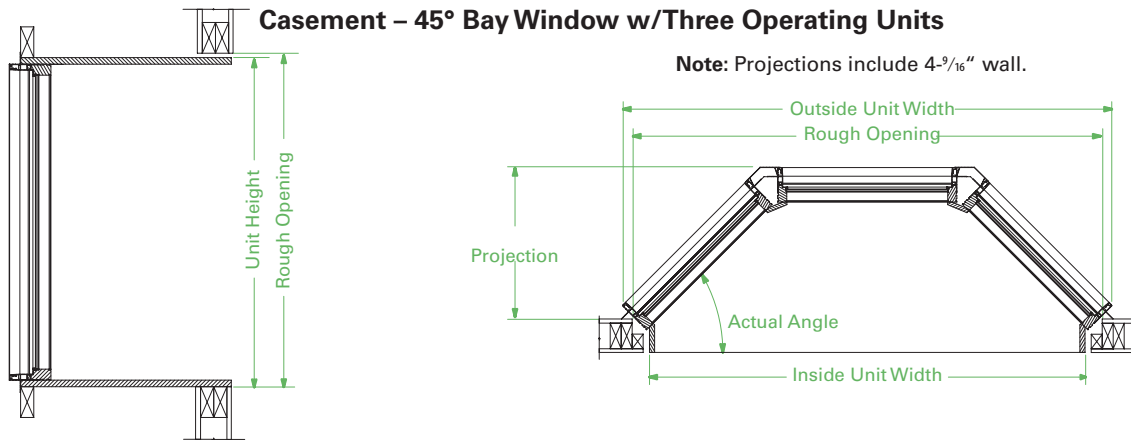
Casement – 45° Bay Window w/Operating Flankers

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



Casement – 45° Bay Window w/Three Operating Units

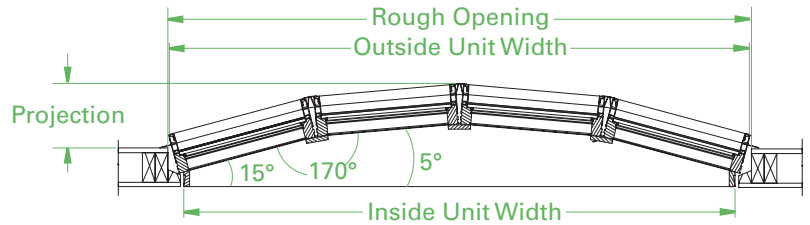
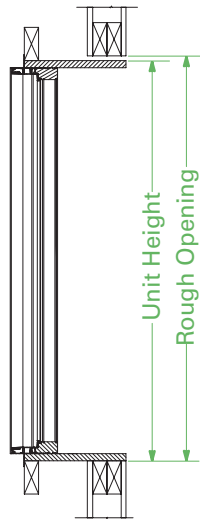
Note: Projections include 4-9/16" wall.



Casement – 4 Wide Bow Window Details

Note: Projections do not include 4-⁹/₁₆" wall.

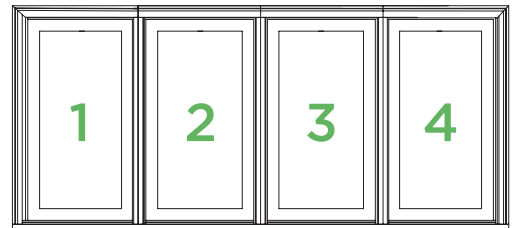
HEIGHTS		
Call Size	Bay Unit	Rough Opening
2/0	25- ³ / ₄	26- ¹ / ₄
2/4	29- ³ / ₄	30- ¹ / ₄
3/0	37- ¹ / ₂	38
3/5	43	43- ¹ / ₂
4/0	51	51- ¹ / ₂
4/5	54- ¹ / ₂	55
5/0	61- ¹ / ₂	62
5/5	66- ¹ / ₂	67
6/0	73- ¹ / ₂	74



1-5 Bow – 4 Wide



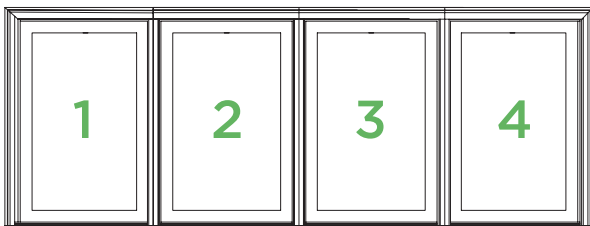
1-8 Bow – 4 Wide



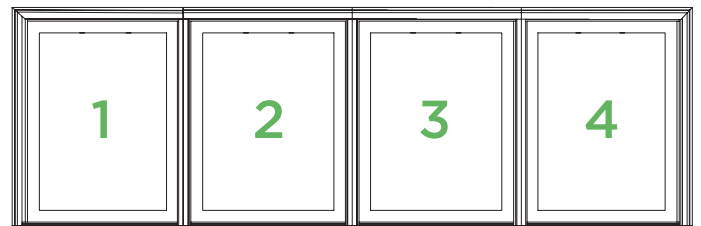
WIDTHS				
Call Size	Outside Unit Dim.	Rough Opening	Projection	Inside Unit Dim.
MRACA15xx/4BOW	68- ¹¹ / ₁₆	68- ⁷ / ₈	7- ⁵ / ₈	65- ¹ / ₈

WIDTHS				
Call Size	Outside Unit Dim.	Rough Opening	Projection	Inside Unit Dim.
MRACA18xx/4BOW	82- ³ / ₈	82- ⁹ / ₁₆	8- ¹³ / ₁₆	78- ¹³ / ₁₆

2-0 Bow – 4 Wide



2-4 Bow – 4 Wide



WIDTHS				
Call Size	Outside Unit Dim.	Rough Opening	Projection	Inside Unit Dim.
MRACA20xx/4BOW	99- ¹ / ₁₆	99- ¹ / ₄	10- ¹ / ₄	95- ¹ / ₂

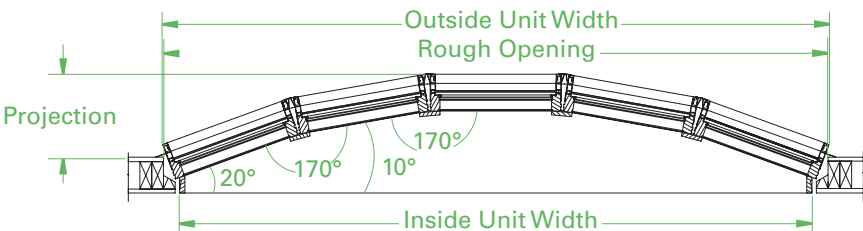
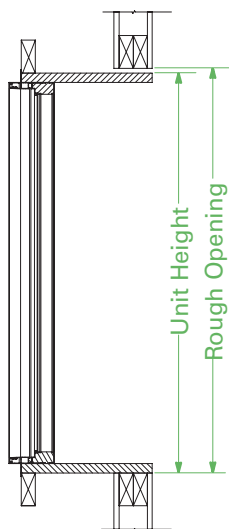
WIDTHS				
Call Size	Outside Unit Dim.	Rough Opening	Projection	Inside Unit Dim.
MRACA24xx/4BOW	113- ¹³ / ₁₆	114	11- ⁹ / ₁₆	110- ¹ / ₄

NOTE:

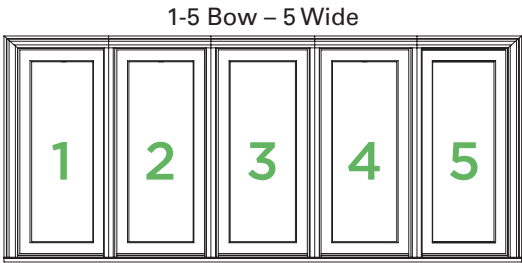
Viewed from exterior, windows 1 and 4 are operating, windows 2 and 3 are fixed. All four windows operating is optional, upcharge applies.

Casement – 5 Wide Bow Window Details

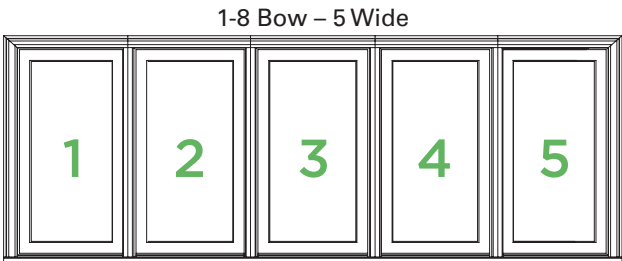
Note: Projections do not include 4-9/16" wall.



HEIGHTS		
Call Size	Bay Unit	Rough Opening
2/0	25-3/4	26-1/4
2/4	29-3/4	30-1/4
3/0	37-1/2	38
3/5	43	43-1/2
4/0	51	51-1/2
4/5	54-1/2	55
5/0	61-1/2	62
5/5	66-1/2	67
6/0	73-1/2	74

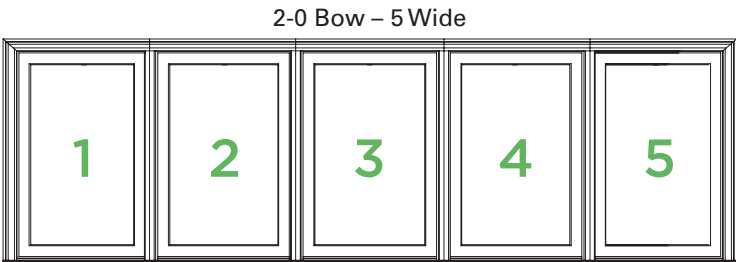


WIDTHS				
Call Size	Outside Unit Dim.	Rough Opening	Projection	Inside Unit Dim.
MRACA15xx/5BOW	85-3/8	84-15/16	10-11/16	80-13/16



WIDTHS				
Call Size	Outside Unit Dim.	Rough Opening	Projection	Inside Unit Dim.
MRACA18xx/5BOW	102-1/16	101-15/16	12-7/16	97-13/16

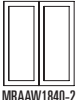
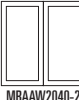
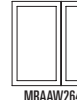
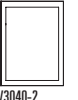
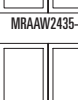
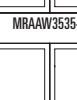
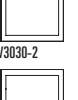
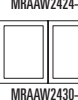
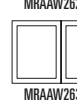
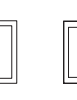
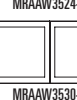
NOTE:
Viewed from exterior, windows 1 and 4 are operating, windows 2 and 3 are fixed. All four windows operating is optional, upcharge applies.

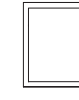
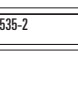
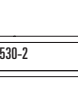
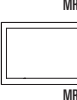
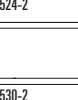
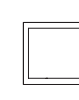
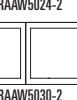


WIDTHS				
Call Size	Outside Unit Dim.	Rough Opening	Projection	Inside Unit Dim.
MRACA20xx/5BOW	121-7/16	121-5/16	14-1/2	117-3/16

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

Awning – Twin Operating Units

		Widths							
Heights	Unit Dimension Rough Opening Call Size	3'-5 1/2"	4'-1 1/2"	4'-9 1/2"	5'-1 1/2"	5'-5 1/2"	6'-1"	7'-0"	8'-4"
		3'-6 1/2"	4'-2 1/2"	4'-10 1/2"	5'-2 1/2"	5'-6 1/2"	6'-2"	7'-1"	8'-5"
		1-8 Twin	2-0 Twin	2-4 Twin	2-6 Twin	2-8 Twin	3-0 Twin	3-5 Twin	4-0 Twin
4'-1 1/2"	4'-2"	 MRAAW1840-2	 MRAAW2040-2	 MRAAW2440-2	 MRAAW2640-2	 MRAAW2840-2	 MRAAW3040-2	 MRAAW3540-2	 MRAAW4040-2
3'-5 1/2"	3'-6"	 MRAAW1835-2	 MRAAW2035-2	 MRAAW2435-2	 MRAAW2635-2	 MRAAW2835-2	 MRAAW3035-2	 MRAAW3535-2	 MRAAW4035-2
3'-0"	3'-0 1/2"	 MRAAW1830-2	 MRAAW2030-2	 MRAAW2430-2	 MRAAW2630-2	 MRAAW2830-2	 MRAAW3030-2	 MRAAW3530-2	 MRAAW4030-2
2'-4 1/4"	2'-4 3/4"	 MRAAW1824-2	 MRAAW2024-2	 MRAAW2424-2	 MRAAW2624-2	 MRAAW2824-2	 MRAAW3024-2	 MRAAW3524-2	 MRAAW4024-2
2'-0"	2'-0 3/4"	 MRAAW1820-2	 MRAAW2020-2	 MRAAW2420-2	 MRAAW2620-2	 MRAAW2820-2	 MRAAW3020-2	 MRAAW3520-2	 MRAAW4020-2
1'-8"	1'-8 3/4"	 MRAAW1818-2	 MRAAW2018-2	 MRAAW2418-2	 MRAAW2618-2	 MRAAW2818-2	 MRAAW3018-2	 MRAAW3518-2	 MRAAW4018-2
1'-5"	1'-5 3/4"	 MRAAW1815-2	 MRAAW2015-2	 MRAAW2415-2	 MRAAW2615-2	 MRAAW2815-2	 MRAAW3015-2	 MRAAW3515-2	 MRAAW4015-2

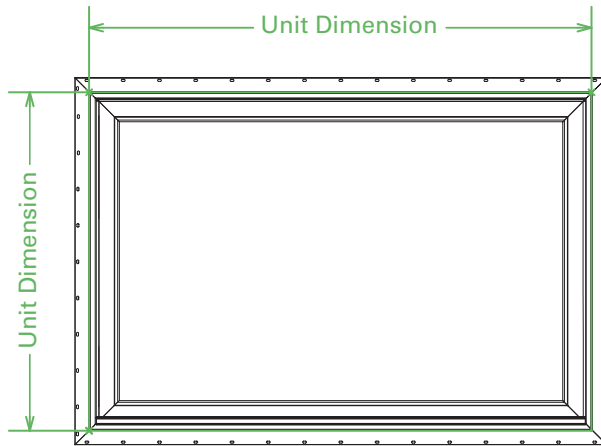
		Widths			
Heights	Unit Dimension Rough Opening Call Size	8'-11"	10'-1"	10'-11"	12'-1"
		9'-0"	10'-2"	11'-0"	12'-2"
		4-5 Twin	5-0 Twin	5-5 Twin	6-0 Twin
4'-1 1/2"	4'-2"	 MRAAW4540-2	 MRAAW5040-2	 MRAAW5540-2	 MRAAW6040-2
3'-5 1/2"	3'-6"	 MRAAW4535-2	 MRAAW5035-2	 MRAAW5535-2	 MRAAW6035-2
3'-0"	3'-0 1/2"	 MRAAW4530-2	 MRAAW5030-2	 MRAAW5530-2	 MRAAW6030-2
2'-4 1/4"	2'-4 3/4"	 MRAAW4524-2	 MRAAW5024-2	 MRAAW5524-2	 MRAAW6024-2
2'-0"	2'-0 3/4"	 MRAAW4520-2	 MRAAW5020-2	 MRAAW5520-2	 MRAAW6020-2
1'-8"	1'-8 3/4"	 MRAAW4518-2	 MRAAW5018-2	 MRAAW5518-2	 MRAAW6018-2
1'-5"	1'-5 3/4"	 MRAAW4515-2	 MRAAW5015-2	 MRAAW5515-2	 MRAAW6015-2

		Widths							
Heights	Unit Dimension Rough Opening Call Size	5'-2 3/4"	6'-2 3/4"	7'-2 3/4"	7'-8 3/4"	8'-2 3/4"	9'-2"	10'-6 1/2"	12'-6 1/2"
		5'-3 3/4"	6'-3 3/4"	7'-3 3/4"	7'-9 3/4"	8'-3 3/4"	9'-3"	10'-7 1/2"	12'-7 1/2"
		1-8 Triple	2-0 Triple	2-4 Triple	2-6 Triple	2-8 Triple	3-0 Triple	3-5 Triple	4-0 Triple
4'-1 1/2"	4'-2"	MRAAW1815-3	MRAAW2015-3	MRAAW2415-3	MRAAW2615-3	MRAAW2815-3	MRAAW3015-3	MRAAW3515-3	MRAAW4015-3
3'-5 1/2"	3'-6"	MRAAW1818-3	MRAAW2018-3	MRAAW2418-3	MRAAW2618-3	MRAAW2818-3	MRAAW3018-3	MRAAW3518-3	MRAAW4018-3
3'-0"	3'-0 1/2"	MRAAW1820-3	MRAAW2020-3	MRAAW2420-3	MRAAW2620-3	MRAAW2820-3	MRAAW3020-3	MRAAW3520-3	MRAAW4020-3
2'-4 1/4"	2'-4 3/4"	MRAAW1824-3	MRAAW2024-3	MRAAW2424-3	MRAAW2624-3	MRAAW2824-3	MRAAW3024-3	MRAAW3524-3	MRAAW4024-3
2'-0 1/4"	2'-0 3/4"	MRAAW1830-3	MRAAW2030-3	MRAAW2430-3	MRAAW2630-3	MRAAW2830-3	MRAAW3030-3	MRAAW3530-3	MRAAW4030-3
1'-8 1/4"	1'-8 3/4"	MRAAW1835-3	MRAAW2035-3	MRAAW2435-3	MRAAW2635-3	MRAAW2835-3	MRAAW3035-3	MRAAW3535-3	MRAAW4035-3
1'-5 1/4"	1'-5 3/4"	MRAAW1840-3	MRAAW2040-3	MRAAW2440-3	MRAAW2640-3	MRAAW2840-3	MRAAW3040-3	MRAAW3540-3	MRAAW4040-3

		Widths			
Heights	Unit Dimension Rough Opening Call Size	13'-5"	15'-2"	16'-5"	18'-2"
		13'-6"	15'-3"	16'-6"	18'-3"
		4-5 Triple	5-0 Triple	5-5 Triple	6-0 Triple
4'-1 1/2"	4'-2"	MRAAW4515-3	MRAAW5015-3	MRAAW5515-3	MRAAW6015-3
3'-5 1/2"	3'-6"	MRAAW4518-3	MRAAW5018-3	MRAAW5518-3	MRAAW6018-3
3'-0"	3'-0 1/2"	MRAAW4520-3	MRAAW5020-3	MRAAW5520-3	MRAAW6020-3
2'-4 1/4"	2'-4 3/4"	MRAAW4524-3	MRAAW5024-3	MRAAW5524-3	MRAAW6024-3
2'-0 1/4"	2'-0 3/4"	MRAAW4530-3	MRAAW5030-3	MRAAW5530-3	MRAAW6030-3
1'-8 1/4"	1'-8 3/4"	MRAAW4535-3	MRAAW5035-3	MRAAW5535-3	MRAAW6035-3
1'-5 1/4"	1'-5 3/4"	MRAAW4540-3	MRAAW5040-3	MRAAW5540-3	MRAAW6040-3

Awning – Fixed Units

		Widths											
		1'-1 3/8"	1'-4 3/4"	1'-8 1/4"	2'-0 1/4"	2'-4 1/4"	2'-6 1/4"	2'-8 1/4"	3'-0"	3'-5 1/2"	4'-1 1/2"	5'-0 1/4"	6'-0 1/4"
		1'-2 3/8"	1'-5 3/4"	1'-9 1/4"	2'-1 1/4"	2'-5 1/4"	2'-7 1/4"	2'-9 1/4"	3'-1"	3'-6 1/2"	4'-2 1/2"	5'-1 1/4"	6'-1 1/4"
		1-0	1-5	1-8	2-0	2-4	2-6	2-8	3-0	3-5	4-0	5-0	6-0
Heights	Unit Dimension Rough Opening Call Size	1'-1 3/4"	1'-5 1/4"	1'-8 1/4"	2'-0 1/4"	2'-4 1/4"	2'-6 1/4"	2'-8 1/4"	3'-0"	3'-5 1/2"	4'-1 1/2"	5'-0 1/4"	6'-0 1/4"
	1-0	MRAAW1010P	MRAAW1510P	MRAAW1810P	MRAAW2010P	MRAAW2410P	MRAAW2610P	MRAAW2810P	MRAAW3010P	MRAAW3510P	MRAAW4010P	MRAAW5010P	MRAAW6010P
	1-5	MRAAW1015P	MRAAW1515P	MRAAW1815P	MRAAW2015P	MRAAW2415P	MRAAW2615P	MRAAW2815P	MRAAW3015P	MRAAW3515P	MRAAW4015P	MRAAW5015P	MRAAW6015P
	1-8	MRAAW1018P	MRAAW1518P	MRAAW1818P	MRAAW2018P	MRAAW2418P	MRAAW2618P	MRAAW2818P	MRAAW3018P	MRAAW3518P	MRAAW4018P	MRAAW5018P	MRAAW6018P
	2-0	MRAAW1020P	MRAAW1520P	MRAAW1820P	MRAAW2020P	MRAAW2420P	MRAAW2620P	MRAAW2820P	MRAAW3020P	MRAAW3520P	MRAAW4020P	MRAAW5020P	MRAAW6020P
	2-4	MRAAW1024P	MRAAW1524P	MRAAW1824P	MRAAW2024P	MRAAW2424P	MRAAW2624P	MRAAW2824P	MRAAW3024P	MRAAW3524P	MRAAW4024P	MRAAW5024P	MRAAW6024P
	3-0	MRAAW1030P	MRAAW1530P	MRAAW1830P	MRAAW2030P	MRAAW2430P	MRAAW2630P	MRAAW2830P	MRAAW3030P	MRAAW3530P	MRAAW4030P	MRAAW5030P	MRAAW6030P
	3-5	MRAAW1035P	MRAAW1535P	MRAAW1835P	MRAAW2035P	MRAAW2435P	MRAAW2635P	MRAAW2835P	MRAAW3035P	MRAAW3535P	MRAAW4035P	MRAAW5035P	MRAAW6035P
	4-0	MRAAW1040P	MRAAW1540P	MRAAW1840P	MRAAW2040P	MRAAW2440P	MRAAW2640P	MRAAW2840P	MRAAW3040P	MRAAW3540P	MRAAW4040P	MRAAW5040P	MRAAW6040P
	4-5	MRAAW1045P	MRAAW1545P	MRAAW1845P	MRAAW2045P	MRAAW2445P	MRAAW2645P	MRAAW2845P	MRAAW3045P	MRAAW3545P	MRAAW4045P	MRAAW5045P	MRAAW6045P
	5-0	MRAAW1050P	MRAAW1550P	MRAAW1850P	MRAAW2050P	MRAAW2450P	MRAAW2650P	MRAAW2850P	MRAAW3050P	MRAAW3550P	MRAAW4050P	MRAAW5050P	MRAAW6050P
	5-5	MRAAW1055P	MRAAW1555P	MRAAW1855P	MRAAW2055P	MRAAW2455P	MRAAW2655P	MRAAW2855P	MRAAW3055P	MRAAW3555P	MRAAW4055P	MRAAW5055P	MRAAW6055P
	6-0	MRAAW1060P	MRAAW1560P	MRAAW1860P	MRAAW2060P	MRAAW2460P	MRAAW2660P	MRAAW2860P	MRAAW3060P	MRAAW3560P	MRAAW4060P	MRAAW5060P	MRAAW6060P
	6-5	MRAAW1065P	MRAAW1565P	MRAAW1865P	MRAAW2065P	MRAAW2465P	MRAAW2665P	MRAAW2865P	MRAAW3065P	MRAAW3565P	MRAAW4065P	MRAAW5065P	MRAAW6065P
	7-0	MRAAW1070P	MRAAW1570P	MRAAW1870P	MRAAW2070P	MRAAW2470P	MRAAW2670P	MRAAW2870P	MRAAW3070P	MRAAW3570P	MRAAW4070P	MRAAW5070P	MRAAW6070P



To calculate unit dimension on multiple units, add 1" per mull together with actual unit dimension.

Operating Units, WIDTH

Call size (Width)	2-0	2-4	2-6	2-8	3-0	3-5	4-0	4-5	5-0	5-5	6-0
ONE WIDE	24- ¹ / ₄	28- ¹ / ₄	30- ¹ / ₄	32- ¹ / ₄	36	41- ¹ / ₂	49- ¹ / ₂	53	60	65	72
TWO WIDE	49- ¹ / ₂	57- ¹ / ₂	61- ¹ / ₂	65- ¹ / ₂	73	84	100	107	121	131	145
THREE WIDE	74- ³ / ₄	86- ³ / ₄	92- ³ / ₄	98- ³ / ₄	110	126- ¹ / ₂	150- ¹ / ₂	161	182	197	218
FOUR WIDE	100	116	124	132	147	169	201	215	243	263	291

Fixed Units, WIDTH

Call size (Width)	1-0	1-5	1-8	2-0	2-4	2-6	2-8	3-0	3-5	4-0	5-0	6-0
ONE WIDE	13- ³ / ₈	16- ³ / ₄	20- ¹ / ₄	24- ¹ / ₄	28- ¹ / ₄	30- ¹ / ₄	32- ¹ / ₄	36	41- ¹ / ₂	49- ¹ / ₂	60	72
TWO WIDE	27- ³ / ₄	34- ¹ / ₂	41- ¹ / ₂	49- ¹ / ₂	57- ¹ / ₂	61- ¹ / ₂	65- ¹ / ₂	73	84	100	121	145
THREE WIDE	42- ¹ / ₈	52- ¹ / ₄	62- ³ / ₄	74- ³ / ₄	86- ³ / ₄	92- ³ / ₄	98- ³ / ₄	110	126- ¹ / ₂	150- ¹ / ₂	182	218
FOUR WIDE	56- ¹ / ₂	70	84	100	116	124	132	147	169	201	243	291
FIVE WIDE	70- ⁷ / ₈	87- ³ / ₄	105- ¹ / ₄	125- ¹ / ₄	145- ¹ / ₄	155- ¹ / ₄	165- ¹ / ₂	184	211- ¹ / ₂	251- ¹ / ₂	304	364

Operating & Fixed Units, HEIGHT

Call size (Width)	One Height	Call Size (Height)	One Height
1-0	13- ³ / ₈	3-5	41- ¹ / ₂
1-5	16- ³ / ₄	4-0	49- ¹ / ₂
1-8	20- ¹ / ₄	5-0	60
2-0	24- ¹ / ₄	6-0	72
2-4	28- ¹ / ₄	6-5	77
3-0	36	7-0	84

Operating Units

Call Size	Daylight Opening S.F.
MRAAW1815	1.1
18	1.5
20	1.9
24	2.3
30	3.1
35	3.6
40	4.4
MRAAW2015	1.4
18	1.9
20	2.4
24	2.9
30	3.9
35	4.6
40	5.6
MRAAW2415	1.7
18	2.3
20	3.0
24	3.5
30	4.7
35	5.6
40	6.9
MRAAW2615	1.9
18	2.5
20	3.2
24	3.9
30	5.2
35	6.1
70	8.1

Call Size	Daylight Opening S.F.
MRAAW2815	2.0
18	2.7
20	3.4
24	4.2
30	5.6
35	6.6
40	8.1
MRAAW3015	2.3
18	3.1
20	3.9
24	4.7
30	6.4
35	7.5
40	9.2
MRAAW3135	2.8
18	3.6
20	4.6
24	5.6
30	7.5
35	8.9
40	10.9
MRAAW4015	3.4
18	4.4
20	5.6
24	6.9
30	9.2
35	10.9
40	13.3

Call Size	Daylight Opening S.F.
MRAAW4515	3.6
18	4.8
20	6.1
24	7.4
30	9.9
35	11.6
40	14.4
MRAAW5015	4.1
18	5.5
20	7.0
24	8.5
30	11.4
35	13.4
40	16.5
MRAAW5515	4.5
18	6.0
20	7.6
24	9.3
30	12.4
35	14.6
40	18.0
MRAAW6015	5.1
18	6.7
20	8.5
24	10.4
30	13.9
35	16.3
40	20.1

NOTE:

Awning units do NOT satisfy egress requirements.

Fixed Units

Call Size	Daylight Opening S.F.
MRAAW1020P	1.0
24	1.2
30	1.6
35	1.9
40	2.3
45	2.5
50	2.9
55	3.2
60	3.5
65	3.8
70	4.1
MRAAW1520P	1.4
24	1.7
30	2.3
35	2.8
40	3.4
45	3.6
50	4.2
55	4.6
60	5.1
65	5.4
70	6.0
MRAAW1820P	1.9
24	2.3
30	3.1
35	3.6
40	4.4
45	4.8
50	5.5
55	6.0
60	6.7
65	7.2
70	7.9
MRAAW2020P	2.4
24	2.9
30	3.9
35	4.6
40	5.6
45	6.1
50	7.0
55	7.6
60	8.5
65	9.2
70	10.1

Call Size	Daylight Opening S.F.
MRAAW2420P	2.9
24	3.5
30	4.7
35	5.6
40	6.9
45	7.4
50	8.5
55	9.3
60	10.4
65	11.1
70	12.2
MRAAW2620P	3.2
24	3.8
30	5.2
35	6.1
40	7.5
45	8.1
50	9.3
55	10.1
60	11.3
65	12.1
70	13.3
MRAAW2820P	3.4
24	4.2
30	5.6
35	6.6
40	8.1
45	8.7
50	10.0
55	10.9
60	12.2
65	13.1
70	14.4
MRAAW3020P	3.9
24	4.7
30	6.4
35	7.5
40	9.2
45	10.0
50	11.4
55	12.5
60	14.0
65	15.0
70	16.4

Call Size	Daylight Opening S.F.
MRAAW3520P	4.6
24	5.6
30	7.5
35	8.9
40	10.9
45	11.8
50	13.5
55	14.8
60	16.5
65	17.7
70	19.4
MRAAW4020P	5.6
24	6.9
30	9.2
35	10.9
40	13.3
45	14.4
50	16.5
55	18.0
60	20.2
65	21.6
70	23.8
MRAAW5020P	7.0
24	8.5
30	11.4
35	13.5
40	16.5
45	17.8
50	20.5
55	22.4
60	25.0
65	26.8
70	29.5
MRAAW6020P	8.5
24	10.4
30	14.0
35	16.5
40	20.2
45	21.8
50	25.0
55	27.3
60	30.5
65	32.8
70	36.0

French Sliding Doors – Fixed Panels & Transom Units

Fixed Panel Widths

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

Transom Widths

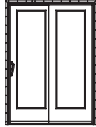
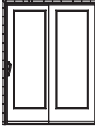
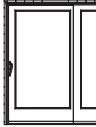
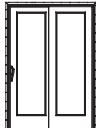
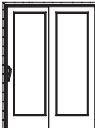
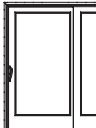
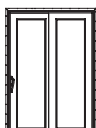
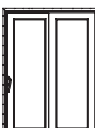
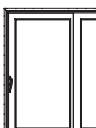
Heights	Unit Dimension Rough Opening Call Size	Transom Widths									
		1'-8 1/8"	2'-2 1/8"	2'-8 1/8"	2'-10 1/8"	3'-2 1/8"	4'-2 1/8"	4'-11"	5'-3"	5'-11"	7'-11"
		1'-9 1/8"	2'-3 1/8"	2'-9 1/8"	2'-11 1/8"	3'-3 1/8"	4'-3 1/8"	5'-0"	5'-4"	6'-0"	8'-0"
		1-6	2-0	2-6	2-8	3-0	4-0	5-0	5-4	6-0	8-0
1'-0"	1'-0"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

		Arch Transom Widths					
		1'-8 1/8"	2'-2 1/8"	2'-8 1/8"	2'-10 1/8"	3'-2 1/8"	4'-2 1/8"
		1'-9 1/8"	2'-3 1/8"	2'-9 1/8"	2'-11 1/8"	3'-3 1/8"	4'-3 1/8"
		1-6	2-0	2-6	2-8	3-0	4-0
Heights	Unit Dimension Rough Opening Call Size						
	0-6	 MRAFSDR1606AHTN 0'-10 3/4" 0'-11 1/4"	 MRAFSDR2006AHTN 0'-11 3/4" 1'-0 1/4"	 MRAFSDR2606AHTN 1'-0 3/4" 1'-1 1/4"	 MRAFSDR2806AHTN 1'-1 1/16" 1'-1 9/16"	 MRAFSDR3006AHTN 1'-1 3/4" 1'-2 1/4"	 MRAFSDR4006AHTN 1'-3 3/4" 1'-4 1/4"
	0-10	 MRAFSDR1610AHTN 1'-2 3/4" 1'-3 1/4"	 MRAFSDR2010AHTN 1'-3 3/4" 1'-4 1/4"	 MRAFSDR2610AHTN 1'-4 3/4" 1'-5 1/4"	 MRAFSDR2810AHTN 1'-5 1/16" 1'-5 9/16"	 MRAFSDR3010AHTN 1'-5 3/4" 1'-6 1/4"	 MRAFSDR4010AHTN 1'-5 3/4" 1'-6 1/4"
	1-0	 MRAFSDR1610AHTN 1'-4 3/4" 1'-5 1/4"	 MRAFSDR2010AHTN 1'-5 3/4" 1'-6 1/4"	 MRAFSDR2610AHTN 1'-6 3/4" 1'-7 1/4"	 MRAFSDR2810AHTN 1'-9 1/16" 1'-9 9/16"	 MRAFSDR3010AHTN 1'-7 3/4" 1'-8 1/4"	 MRAFSDR4010AHTN 1'-7 3/4" 1'-8 1/4"
	1-2	 MRAFSDR1612AHTN 1'-6 3/4" 1'-7 1/4"	 MRAFSDR2012AHTN 1'-7 3/4" 1'-8 1/4"	 MRAFSDR2612AHTN 1'-8 3/4" 1'-9 1/4"	 MRAFSDR2812AHTN 1'-11 1/16" 1'-11 9/16"	 MRAFSDR3012AHTN 1'-9 3/4" 1'-10 1/4"	 MRAFSDR4012AHTN 1'-9 3/4" 1'-10 1/4"
	1-6	 MRAFSDR1616AHTN 1'-10 3/4" 1'-11 1/4"	 MRAFSDR2016AHTN 1'-11 3/4" 2'-0 1/4"	 MRAFSDR2616AHTN 2'-0 3/4" 2'-1 1/4"	 MRAFSDR2816AHTN 2'-1 1/16" 2'-1 9/16"	 MRAFSDR3016AHTN 2'-1 3/4" 2'-2 1/4"	 MRAFSDR4016AHTN 2'-3 3/4" 2'-4 1/4"
	2-0	 MRAFSDR1620AHTN 2'-4 3/4" 2'-5 1/4"	 MRAFSDR2020AHTN 2'-5 3/4" 2'-6 1/4"	 MRAFSDR2620AHTN 2'-6 3/4" 2'-7 1/4"	 MRAFSDR2820AHTN 2'-7 1/16" 2'-7 9/16"	 MRAFSDR3020AHTN 2'-7 3/4" 2'-8 1/4"	 MRAFSDR4020AHTN 2'-9 3/4" 2'-10 1/4"

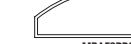
		Circle Head Widths	
		3'-2 1/8"	4'-2 3/8"
		3'-3 1/8"	4'-3 3/8"
		3-0	4-0
Heights	Unit Dimension Rough Opening Call Size		
		 MRAFSDR30CH 1'-7 1/16" 1'-7 9/16"	 MRAFSDR40CH 2'-1 1/16" 2'-1 9/16"

		Elliptical Widths	
		3'-2 1/8"	4'-2 3/8"
		3'-3 1/8"	4'-3 3/8"
		3-0	4-0
Heights	Unit Dimension Rough Opening Call Size		
		 MRAFSDR30EL 0'-9 9/16" 0'-10 1/16"	 MRAFSDR40EL 1'-0 9/16" 1'-1 1/16"

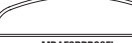
French Sliding Doors – 2-Panel Operating & Transom Units

		Widths			
		4'-11"	5'-3"	5'-11"	7'-11"
		5'-0"	5'-4"	6'-0"	8'-0"
		5-0	5-4	6-0	8-0
Heights	Unit Dimension				
	Rough Opening				
	Call Size				
6'-7 1/2"	6'-8"	6-8			
					
		MRAFSDR5068	MRAFSDR5068	MRAFSDR5068	MRAFSDR5068
6'-11 1/2"	7'-0"	6-10			
					
		MRAFSDR50610	MRAFSDR50610	MRAFSDR50610	MRAFSDR50610
7'-1 1/2"	7'-2"	7-2			
					
		MRAFSDR5072	MRAFSDR5072	MRAFSDR5072	MRAFSDR5072
8'-3 1/2"	8'-4"	8-0			
					
		MRAFSDR5080	MRAFSDR5080	MRAFSDR5080	MRAFSDR5080

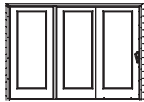
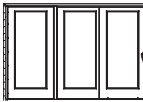
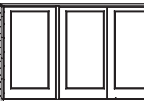
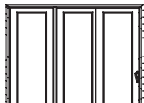
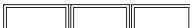
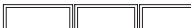
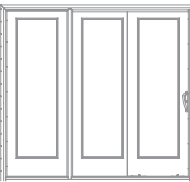
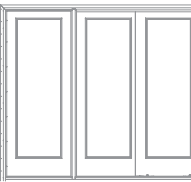
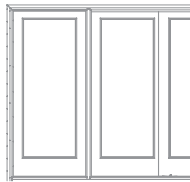
		Transom Widths			
		4'-11"	5'-3"	5'-11"	7'-11"
		5'-0"	5'-4"	6'-0"	8'-0"
		5-0	5-4	6-0	8-0
Heights	Unit Dimension				
	Rough Opening				
	Call Size				
1'-1 3/8"	1'-1 7/8"	1-0			
					
		MRAFSDR5010TN	MRAFSDR5410TN	MRAFSDR6010TN	MRAFSDR8010TN
1'-3 3/8"	1'-3 7/8"	1-2			
					
		MRAFSDR5012TN	MRAFSDR5412TN	MRAFSDR6012TN	MRAFSDR8012TN
1'-7 3/8"	1'-7 7/8"	1-6			
					
		MRAFSDR5016TN	MRAFSDR5416TN	MRAFSDR6016TN	MRAFSDR8016TN
2'-1 3/8"	2'-1 7/8"	2-0			
					
		MRAFSDR5020TN	MRAFSDR5420TN	MRAFSDR6020TN	MRAFSDR8020TN
2'-5 3/8"	2'-5 7/8"	2-4			
					
		MRAFSDR5024TN	MRAFSDR5424TN	MRAFSDR6024TN	MRAFSDR8024TN
					
		MRAFSDR5024TN	MRAFSDR5424TN	MRAFSDR6024TN	MRAFSDR8024TN
					
		MRAFSDR5024TN	MRAFSDR5424TN	MRAFSDR6024TN	MRAFSDR8024TN
					
		MRAFSDR5024TN	MRAFSDR5424TN	MRAFSDR6024TN	MRAFSDR8024TN
					
		MRAFSDR5024TN	MRAFSDR5424TN	MRAFSDR6024TN	MRAFSDR8024TN
					
		MRAFSDR5024TN	MRAFSDR5424TN	MRAFSDR6024TN	MRAFSDR8024TN
					
		MRAFSDR5024TN	MRAFSDR5424TN	MRAFSDR6024TN	MRAFSDR8024TN
					
		MRAFSDR5024TN	MRAFSDR5424TN	MRAFSDR6024TN	MRAFSDR8024TN

		Arch Transom Widths			
		4'-11"	5'-3"	5'-11"	7'-11"
		5'-0"	5'-4"	6'-0"	8'-0"
		5-0	5-4	6-0	8-0
Heights	Unit Dimension Rough Opening Call Size				
	0-6	 MRAFSDR5006AHTN 1'-5 3/16" 1'-5 11/16"	 MRAFSDR5406AHTN 1'-5 7/8" 1'-6 3/8"	 MRAFSDR6006AHTN 1'-7 3/16" 1'-7 11/16"	 MRAFSDR8006AHTN 1'-11 3/16" 1'-11 11/16"
	0-10	 MRAFSDR5010AHTN 1'-9 3/16" 1'-9 11/16"	 MRAFSDR5410AHTN 1'-9 7/8" 1'-10 3/8"	 MRAFSDR6010AHTN 1'-11 3/16" 1'-11 11/16"	 MRAFSDR8010AHTN 2'-3 3/16" 2'-3 11/16"
	1-0	 MRAFSDR5010AHTN 1'-11 3/16" 1'-11 11/16"	 MRAFSDR5410AHTN 1'-11 7/8" 2'-0 3/8"	 MRAFSDR6010AHTN 2'-1 3/16" 2'-1 11/16"	 MRAFSDR8010AHTN 2'-5 3/16" 2'-5 11/16"
	1-2	 MRAFSDR5012AHTN 2'-1 3/16" 2'-1 11/16"	 MRAFSDR5412AHTN 2'-1 7/8" 2'-2 3/8"	 MRAFSDR6012AHTN 2'-3 3/16" 2'-3 11/16"	 MRAFSDR8012AHTN 2'-7 3/16" 2'-7 11/16"
	1-6	 MRAFSDR5016AHTN 2'-5 3/16" 2'-5 11/16"	 MRAFSDR5416AHTN 2'-5 7/8" 2'-6 3/8"	 MRAFSDR6016AHTN 2'-7 3/16" 2'-7 11/16"	 MRAFSDR8016AHTN 2'-11 3/16" 2'-11 11/16"
	2-0	 MRAFSDR5020AHTN 2'-11 3/16" 2'-11 11/16"	 MRAFSDR5420AHTN 2'-11 7/8" 3'-0 3/8"	 MRAFSDR6020AHTN 3'-1 3/16" 3'-1 11/16"	 MRAFSDR8020AHTN 3'-5 3/16" 3'-5 11/16"

		Circle Head Widths		
		4'-11"	5'-3"	5'-1"
		5'-0"	5'-4"	6'-0"
		5-0	5-4	6-0
Heights	Unit Dimension Rough Opening Call Size			
		 MRAFSDR40CH 2'-5 1/2" 2'-6"	 MRAFSDR43CH 2'-7 1/2" 2'-8"	 MRAFSDR60CH 2'-11 1/2" 3'-0"

		Elliptical Widths			
		4'-11"	5'-3"	5'-11"	7'-11"
		5'-0"	5'-4"	6'-0"	8'-0"
		5-0	5-4	6-0	8-0
Heights	Unit Dimension Rough Opening Call Size				
		 MRAFSDR50EL 1'-2 3/4" 1'-3 1/4"	 MRAFSDR54EL 1'-3 3/4" 1'-4 1/4"	 MRAFSDR60EL 1'-5 3/4" 1'-6 1/4"	 MRAFSDR60EL 1'-5 3/4" 1'-6 1/4"

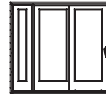
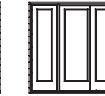
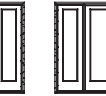
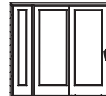
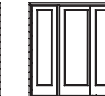
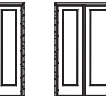
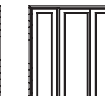
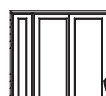
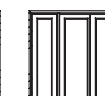
French Sliding Doors – 3-Panel Operating & Transom Units

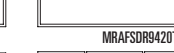
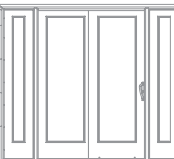
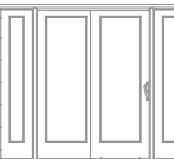
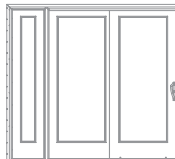
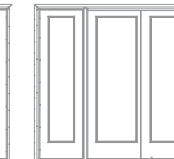
		Widths		
		7'-6 5/8"	8'-0 5/8"	9'-0 5/8"
		7'-7 5/8"	8'-1 5/8"	9'-1 5/8"
		7-6	8-0	9-0
Heights	Unit Dimension Rough Opening Call Size			
	6'-7 1/2"	 MRAFSDR7668	 MRAFSDR8068	 MRAFSDR9068
	6'-11 1/2"	 MRAFSDR76610	 MRAFSDR80610	 MRAFSDR90610
	7'-1 1/2"	 MRAFSDR7672	 MRAFSDR8072	 MRAFSDR9072
	8'-3 1/2"	 MRAFSDR7680	 MRAFSDR8080	 MRAFSDR9080
		7'-6 5/8"	8'-0 5/8"	9'-0 5/8"
		7'-7 5/8"	8'-1 5/8"	9'-1 5/8"
		7-6	8-0	9-0
Heights	Unit Dimension Rough Opening Call Size			
	1'-1 3/8"	 MRAFSDR7610TN		
	1'-1 7/8"	 MRAFSDR7610TN (3 PANEL)		
	1'-3 3/8"	 MRAFSDR7612TN	 MRAFSDR8012TN	
	1'-3 7/8"	 MRAFSDR7612TN (3 PANEL)	 MRAFSDR8012TN (3 PANEL)	
	1'-7 7/8"	 MRAFSDR7616TN	 MRAFSDR8016TN	 MRAFSDR9016TN
	1'-7 1/8"	 MRAFSDR7616TN (3 PANEL)	 MRAFSDR8016TN (3 PANEL)	 MRAFSDR9016TN (3 PANEL)
	2'-1 3/8"	 MRAFSDR7620TN	 MRAFSDR8020TN	 MRAFSDR9020TN
	2'-1 7/8"	 MRAFSDR7620TN (3 PANEL)	 MRAFSDR8020TN (3 PANEL)	 MRAFSDR9020TN (3 PANEL)
	2'-5 3/8"	 MRAFSDR7624TN	 MRAFSDR8024TN	 MRAFSDR9024TN
	2'-5 7/8"	 MRAFSDR7624TN (3 PANEL)	 MRAFSDR8024TN (3 PANEL)	 MRAFSDR9024TN (3 PANEL)
				

Elliptical Widths

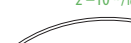
77

French Sliding Doors – 4-Panel Operating & Transom Units

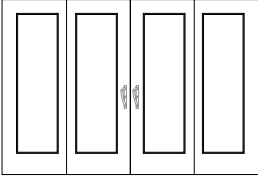
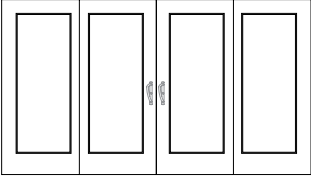
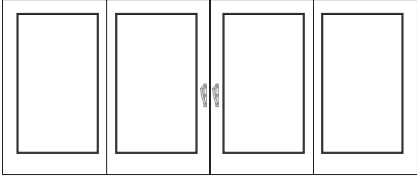
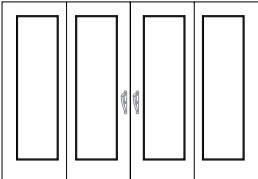
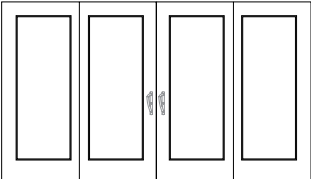
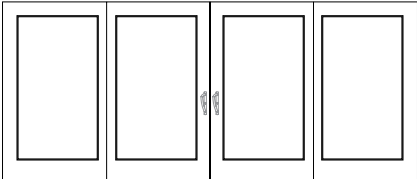
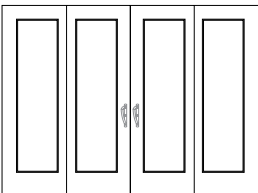
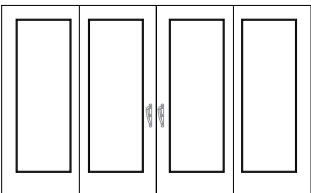
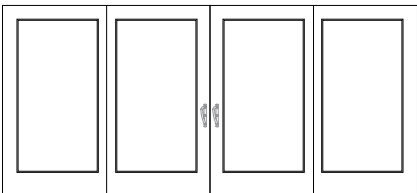
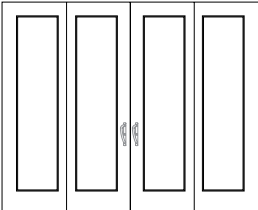
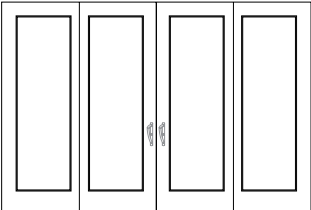
		Widths						
Heights	Unit Dimension Rough Opening Call Size	7'-6 1/4"	8'-2 1/4"	8'-6 1/4"	9'-2 1/4"	9'-6 1/4"	10'-2 1/4"	10'-2 1/4"
		7'-7 1/4"	8'-3 1/4"	8'-7 1/4"	9'-3 1/4"	9'-7 1/4"	10'-3 1/4"	10'-3 1/4"
		7-4	8-0	8-4	9-0	9-4	10-0/20	10-0
6'-7 1/2"	6'-8"	 MRAFSDR7468	 MRAFSDR8068	 MRAFSDR8468	 MRAFSDR9068	 MRAFSDR9468	 MRAFSDR100/2068	 MRAFSDR10068
6'-11 1/2"	7'-0"	 MRAFSDR74610	 MRAFSDR80610	 MRAFSDR84610	 MRAFSDR90610	 MRAFSDR94610	 MRAFSDR100/20610	 MRAFSDR100610
7'-1 1/2"	7'-2"	 MRAFSDR7472	 MRAFSDR8072	 MRAFSDR8472	 MRAFSDR9072	 MRAFSDR9472	 MRAFSDR100/2072	 MRAFSDR10072
8'-3 1/2"	8'-0"	 MRAFSDR7480	 MRAFSDR8080	 MRAFSDR8480	 MRAFSDR9080	 MRAFSDR9480	 MRAFSDR100/2080	 MRAFSDR10080

		Transom Widths				
Heights	Unit Dimension Rough Opening Call Size	7'-6 1/4"	8'-2 1/4"	8'-6 1/4"	9'-2 1/4"	9'-6 1/4"
		7'-7 1/4"	8'-3 1/4"	8'-7 1/4"	9'-3 1/4"	9'-7 1/4"
		7-4	8-0	8-4	9-0	9-4
1'-1 3/8"	1'-0"	 MRAFSDR7410TN	 MRAFSDR8010TN			
		 MRAFSDR7410TN (4 PANEL)	 MRAFSDR8010TN (4 PANEL)			
1'-3 3/8"	1'-2"	 MRAFSDR7410TN	 MRAFSDR8010TN	 MRAFSDR8410TN (4 PANEL)		
		 MRAFSDR7410TN (4 PANEL)	 MRAFSDR8010TN (4 PANEL)			
1'-7 3/8"	1'-6"	 MRAFSDR7416TN	 MRAFSDR8016TN	 MRAFSDR8416TN	 MRAFSDR9016TN	 MRAFSDR9416TN
		 MRAFSDR7416TN (4 PANEL)	 MRAFSDR8016TN (4 PANEL)	 MRAFSDR8416TN (4 PANEL)	 MRAFSDR9016TN (4 PANEL)	 MRAFSDR9416TN (4 PANEL)
2'-1 3/8"	2'-0"	 MRAFSDR7420TN	 MRAFSDR8020TN	 MRAFSDR8420TN	 MRAFSDR9020TN	 MRAFSDR9420TN
		 MRAFSDR7420TN (4 PANEL)	 MRAFSDR8020TN (4 PANEL)	 MRAFSDR8420TN (4 PANEL)	 MRAFSDR9020TN (4 PANEL)	 MRAFSDR9420TN (4 PANEL)
2'-5 3/8"	2'-4"	 MRAFSDR7424TN	 MRAFSDR8024TN	 MRAFSDR8424TN	 MRAFSDR9024TN	 MRAFSDR9424TN
		 MRAFSDR7424TN (4 PANEL)	 MRAFSDR8024TN (4 PANEL)	 MRAFSDR8424TN (4 PANEL)	 MRAFSDR9024TN (4 PANEL)	 MRAFSDR9424TN (4 PANEL)
		 MRAFSDR7424TN (4 PANEL)	 MRAFSDR8024TN (4 PANEL)	 MRAFSDR8424TN (4 PANEL)	 MRAFSDR9024TN (4 PANEL)	 MRAFSDR9424TN (4 PANEL)

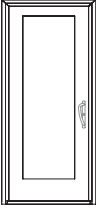
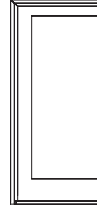
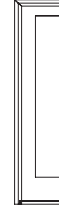
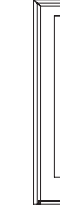
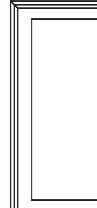
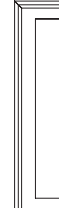
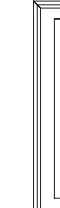
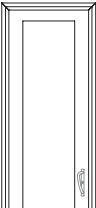
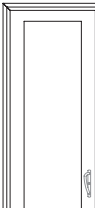
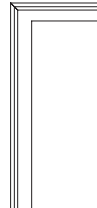
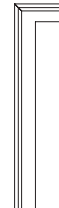
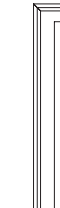
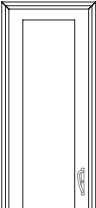
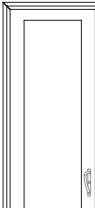
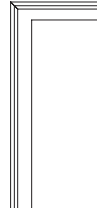
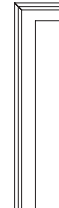
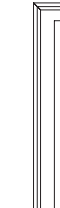
French Sliding Doors – 4-Panel Arch Transom Units

		Arch Transom Widths				
		7'-6 1/4"	8'-2 1/4"	8'-6 1/4"	9'-2 1/4"	9'-6 1/4"
		7'-7 1/4"	8'-3 1/4"	8'-7 1/4"	9'-3 1/4"	9'-7 1/4"
		7-4	8-0	8-4	9-0	9-4
Heights	Unit Dimension Rough Opening Call Size					
	0-6	 MRAFSDR7406AH 1'-10 7/16" 1'-10 15/16"	 MRAFSDR8006AH 1'-11 3/4" 2'-0 1/4"	 MRAFSDR8406AH 2'-0 7/16" 2'-0 15/16"	 MRAFSDR9006AH 2'-1 3/4" 2'-2 1/4"	 MRAFSDR9406AH 2'-2 7/16" 2'-2 15/16"
	0-10	 MRAFSDR74010AH 2'-2 7/16" 2'-2 15/16"	 MRAFSDR80010AH 2'-3 3/4" 2'-4 1/4"	 MRAFSDR84010AH 2'-4 7/16" 2'-4 15/16"	 MRAFSDR90010AH 2'-5 3/4" 2'-6 1/4"	 MRAFSDR94010AH 2'-6 7/16" 2'-6 15/16"
	1-0	 MRAFSDR7410AH 2'-4 7/16" 2'-4 15/16"	 MRAFSDR8010AH 2'-5 3/4" 2'-6 1/4"	 MRAFSDR8410AH 2'-6 7/16" 2'-6 15/16"	 MRAFSDR9010AH 2'-7 3/4" 2'-8 1/4"	 MRAFSDR9410AH 2'-8 7/16" 2'-8 15/16"
	1-2	 MRAFSDR7412AH 2'-6 7/16" 2'-6 15/16"	 MRAFSDR8012AH 2'-7 3/4" 2'-8 1/4"	 MRAFSDR8412AH 2'-8 7/16" 2'-8 15/16"	 MRAFSDR9012AH 2'-9 3/4" 2'-10 1/4"	 MRAFSDR9412AH 2'-10 7/16" 2'-10 15/16"
	2-0	 MRAFSDR7420AH 3'-4 7/16" 3'-4 15/16"	 MRAFSDR8020AH 3'-5 3/4" 3'-6 1/4"	 MRAFSDR8420AH 3'-6 7/16" 3'-6 15/16"	 MRAFSDR9020AH 3'-7 3/4" 3'-8 1/4"	 MRAFSDR9420AH 3'-8 7/16" 3'-8 15/16"

Bi-Parting Sliding Patio Door

Heights		Widths		
		9'-8 5/8"	11'-8 5/8"	15'-8 5/8"
		9'-9 5/8"	11'-9 5/8"	15'-9 5/8"
		10-0	12-0	16-0
Unit Dimension Rough Opening Call Size				
6'-7 1/2"	6'-8"	 MRBBPDR10068	 MRBBPDR12068	 MRBBPDR16068
	6'-10"	 MRBBPDR100610	 MRBBPDR120610	 MRBBPDR160610
	7'-2"	 MRBBPDR10072	 MRBBPDR12072	 MRBBPDR16072
	8-0	 MRBBPDR10080	 MRBBPDR12080	 MRBBPDR16080

Hinged Inswing Doors – Single Panel Operating & Fixed Units

		Operating Unit Widths			Fixed Unit Widths					
		2'-7 11/16"	2'-9 11/16"	3'-1 11/16"	1'-1 11/16"	1'-7 11/16"	2'-1 11/16"	2'-7 11/16"	2'-9 11/16"	3'-1 11/16"
		2'-8 11/16"	2'-10 11/16"	3'-2 11/16"	1'-2 11/16"	1'-8 11/16"	2'-2 11/16"	2'-8 11/16"	2'-10 11/16"	3'-2 11/16"
		2-6	2-8	3-0	1-0	1-6	2-0	2-6	2-8	3-0
Heights	Unit Dimension Rough Opening Call Size									
	6'-7 1/2"									
	6'-8"									
	6-8									
										
		MRAHPDR2668	MRAHPDR2868	MRAHPDR3068	MRAHPDR1068P	MRAHPDR1668P	MRAHPDR2068P	MRAHPDR2668P	MRAHPDR2868P	MRAHPDR3068P
										
		MRAHPDR2610	MRAHPDR2810	MRAHPDR3010	MRAHPDR10610P	MRAHPDR16610P	MRAHPDR20610P	MRAHPDR26610P	MRAHPDR28610P	MRAHPDR30610P
										
		MRAHPDR2672	MRAHPDR2872	MRAHPDR3072	MRAHPDR1072P	MRAHPDR1672P	MRAHPDR2072P	MRAHPDR2672P	MRAHPDR2872P	MRAHPDR3072P
										
		MRAHPDR2680	MRAHPDR2880	MRAHPDR3080	MRAHPDR1080P	MRAHPDR1680P	MRAHPDR2080P	MRAHPDR2680P	MRAHPDR2880P	MRAHPDR3080P

Hinged Inswing Doors – Single Panel Transom, Circle Head & Elliptical Units

		Transom Widths				
Heights	Unit Dimension Rough Opening Call Size	1'-7 11/16"	2'-1 11/16"	2'-7 11/16"	2'-9 11/16"	3'-1 11/16"
		1'-8 11/16"	2'-2 11/16"	2'-8 11/16"	2'-10 11/16"	3'-2 11/16"
		1-6	2-0	2-6	2-8	3-0
		MRAHPDR1610TN	MRAHPDR2010TN	MRAHPDR2610TN	MRAHPDR2810TN	MRAHPDR3010TN
1'-3 3/8"	1-0					
	1-2					
	1-6					
	2-0					
2'-5 3/8"	2-4					
	2-0					
	1'-7 3/8"					
	1'-3 3/8"					
2'-1 3/8"	1-0					
	1-2					
	1-6					
	2-0					
2'-5 7/8"	2-4					
	2-0					
	1'-7 7/8"					
	1'-3 7/8"					
2'-1 7/8"	1-0					
	1-2					
	1-6					
	2-0					
2'-5 3/8"	2-4					
	2-0					
	1'-7 3/8"					
	1'-3 3/8"					

Circle Head Width

Height	Unit Dimension Rough Opening Call Size	3'-1 11/16"
		3'-2 11/16"
		3-0
1'-6 7/8"		MRAHPDR30CH
		1'-6 7/8"
		1'-7 3/8"

Elliptical Width

Height	Unit Dimension Rough Opening Call Size	3'-1 11/16"
		3'-2 11/16"
		3-0
0'-9 7/16"		MRAHP30EL
		0'-9 7/16"
		0'-9 15/16"

Arch Transom Widths

		1'-7 11/16"	2'-1 11/16"	2'-7 11/16"	2'-9 11/16"	3'-1 11/16"
Heights	Unit Dimension Rough Opening Call Size	1'-8 11/16"	2'-2 11/16"	2'-8 11/16"	2'-10 11/16"	3'-2 11/16"
		1-6	2-0	2-6	2-8	3-0
		MRAHPDR1606AHTN	MRAHPDR2006AHTN	MRAHPDR2606AHTN	MRAHPDR2806AHTN	MRAHPDR3006AHTN
		0'-10 11/16"	0'-11 11/16"	1'-0 11/16"	1'-1"	1'-1 11/16"
0'-10 10/16"		0'-11 3/16"	1'-0 3/16"	1'-1 3/16"	1'-1 1/2"	1'-2 3/16"
		MRAHPDR16010AHTN	MRAHPDR20010AHTN	MRAHPDR26010AHTN	MRAHPDR28010AHTN	MRAHPDR30010AHTN
		1'-2 11/16"	1'-3 11/16"	1'-4 11/16"	1'-5"	1'-5 11/16"
1'-0 10/16"		1'-3 3/16"	1'-4 3/16"	1'-5 3/16"	1'-5 1/2"	1'-6 3/16"
		MRAHPDR1610AHTN	MRAHPDR2010AHTN	MRAHPDR2610AHTN	MRAHPDR2810AHTN	MRAHPDR3010AHTN
		1'-4 11/16"	1'-5 11/16"	1'-6 11/16"	1'-7"	1'-7 11/16"
1'-0 8/16"		1'-5 3/16"	1'-6 3/16"	1'-7 3/16"	1'-7 1/2"	1'-8 3/16"
		MRAHPDR1612AHTN	MRAHPDR2012AHTN	MRAHPDR2612AHTN	MRAHPDR2812AHTN	MRAHPDR3012AHTN
		1'-6 11/16"	1'-7 11/16"	1'-8 11/16"	1'-9"	1'-9 11/16"
1'-0 6/16"		1'-7 3/16"	1'-8 3/16"	1'-9 3/16"	1'-9 1/2"	1'-10 3/16"
		MRAHPDR1616AHTN	MRAHPDR2016AHTN	MRAHPDR2616AHTN	MRAHPDR2816AHTN	MRAHPDR3016AHTN
		1'-10 11/16"	1'-11 11/16"	2'-0 11/16"	2'-1"	2'-1 11/16"
1'-0 4/16"		1'-11 3/16"	2'-0 3/16"	2'-1 3/16"	2'-1 1/2"	2'-2 3/16"
		MRAHPDR1620AHTN	MRAHPDR2020AHTN	MRAHPDR2620AHTN	MRAHPDR2820AHTN	MRAHPDR3020AHTN
		2'-4 11/16"	2'-5 11/16"	2'-6 11/16"	2'-7"	2'-7 11/16"
2'-0 10/16"		2'-5 3/16"	2'-6 3/16"	2'-7 3/16"	2'-7 1/2"	2'-8 3/16"

		Arch Transom Widths				
		1'-7 11/16"	2'-1 11/16"	2'-7 5/8"	2'-9 5/8"	3'-1 5/8"
		1'-8 11/16"	2'-2 11/16"	2'-8 5/8"	2'-10 5/8"	3'-2 5/8"
		1-6	2-0	2-6	2-8	3-0
Heights	Unit Dimension Rough Opening Call Size					
	0-6	 MRAFHDR1606AHTN 0'-10 5/8" 0'-11 1/8"	 MRAFHDR2006AHTN 0'-11 5/8" 1'-0 1/8"	 MRAFHDR2606AHTN 1'-0 5/8" 1'-1 1/8"	 MRAFHDR2806AHTN 1'-1" 1'-1 1/2"	 MRAFHDR3006AHTN 1'-1 5/8" 1'-2 1/8"
	0-10	 MRAFHDR16010AHTN 1'-2 5/8" 1'-3 1/8"	 MRAFHDR20010AHTN 1'-3 5/8" 1'-4 1/8"	 MRAFHDR26010AHTN 1'-4 5/8" 1'-5 1/8"	 MRAFHDR28010AHTN 1'-5" 1'-5 1/2"	 MRAFHDR30010AHTN 1'-5 5/8" 1'-6 1/8"
	1-0	 MRAFHDR1610AHTN 1'-4 5/8" 1'-5 1/8"	 MRAFHDR2010AHTN 1'-5 5/8" 1'-6 1/8"	 MRAFHDR2610AHTN 1'-6 5/8" 1'-7 1/8"	 MRAFHDR2810AHTN 1'-7" 1'-7 1/2"	 MRAFHDR3010AHTN 1'-7 5/8" 1'-8 1/8"
	1-2	 MRAFHDR1612AHTN 1'-6 5/8" 1'-7 1/8"	 MRAFHDR2012AHTN 1'-7 5/8" 1'-8 1/8"	 MRAFHDR2612AHTN 1'-8 5/8" 1'-9 1/8"	 MRAFHDR2812AHTN 1'-9" 1'-9 1/2"	 MRAFHDR3012AHTN 1'-9 5/8" 1'-10 1/8"
	1-6	 MRAFHDR1616AHTN 1'-10 5/8" 1'-11 1/8"	 MRAFHDR2016AHTN 1'-11 5/8" 2'-0 1/8"	 MRAFHDR2616AHTN 2'-0 5/8" 2'-1 1/8"	 MRAFHDR2816AHTN 2'-1" 2'-1 1/2"	 MRAFHDR3016AHTN 2'-1 5/8" 2'-2 1/8"
	2-0	 MRAFHDR1620AHTN 2'-4 5/8" 2'-5 1/8"	 MRAFHDR2020AHTN 2'-5 5/8" 2'-6 1/8"	 MRAFHDR2620AHTN 2'-6 5/8" 2'-7 1/8"	 MRAFHDR2820AHTN 2'-7" 2'-7 1/2"	 MRAFHDR3020AHTN 2'-7 5/8" 2'-8 1/8"
		 MRAFHDR1620AHTN 2'-4 5/8" 2'-5 1/8"	 MRAFHDR2020AHTN 2'-5 5/8" 2'-6 1/8"	 MRAFHDR2620AHTN 2'-6 5/8" 2'-7 1/8"	 MRAFHDR2820AHTN 2'-7" 2'-7 1/2"	 MRAFHDR3020AHTN 2'-7 5/8" 2'-8 1/8"

Hinged Outswing Doors – Single Panel Operating, Fixed & Transom Units

Heights	Unit Dimension Rough Opening Call Size	Widths		
		2'-7 5/8"	2'-9 5/8"	3'-1 5/8"
		2'-8 5/8"	2'-10 5/8"	3'-2 5/8"
		2-6	2-8	3-0
6'-7 1/2"	6'-8"			
		MRAFHDR2668	MRAFHDR2868	MRAFHDR3068
6'-9 1/2"	6'-10"			
		MRAFHDR26610	MRAFHDR28610	MRAFHDR30610
7'-1 1/2"	7'-2"			
		MRAFHDR2672	MRAFHDR2872	MRAFHDR3072
7'-11 1/2"	8'-0"			
		MRAFHDR2680	MRAFHDR2880	MRAFHDR3080

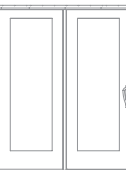
Widths					
1'-1 5/8"	1'-7 5/8"	2'-1 5/8"	2'-7 5/8"	2'-9 5/8"	3'-1 5/8"
1'-2 5/8"	1'-8 5/8"	2'-2 5/8"	2'-8 5/8"	2'-10 5/8"	3'-2 5/8"
1-0	1-6	2-0	2-6	2-8	3-0
MRAFHDR1068P	MRAFHDR1668P	MRAFHDR2068P	MRAFHDR2668P	MRAFHDR2868P	MRAFHDR3068P
MRAFHDR10610P	MRAFHDR16610P	MRAFHDR20610P	MRAFHDR26610P	MRAFHDR28610P	MRAFHDR30610P
MRAFHDR1072P	MRAFHDR1672P	MRAFHDR2072P	MRAFHDR2672P	MRAFHDR2872P	MRAFHDR3072P
MRAFHDR1080P	MRAFHDR1680P	MRAFHDR2080P	MRAFHDR2680P	MRAFHDR2880P	MRAFHDR3080P

Heights	Unit Dimension Rough Opening Call Size	Widths		
		2'-7 5/8"	2'-9 5/8"	3'-1 5/8"
		2'-8 5/8"	2'-10 5/8"	3'-2 5/8"
		2-6	2-8	3-0
1'-0"	1'-1 3/8"			
		MRAFHDR2610TN	MRAFHDR2810TN	MRAFHDR3010TN
1'-2"	1'-3 3/8"			
		MRAFHDR2612TN	MRAFHDR2812TN	MRAFHDR3012TN
1'-6"	1'-7 3/8"			
		MRAFHDR2616TN	MRAFHDR2816TN	MRAFHDR3016TN
2'-0"	2'-1 3/8"			
		MRAFHDR2620TN	MRAFHDR2820TN	MRAFHDR3020TN
2'-4"	2'-5 3/8"			
		MRAFHDR2624TN	MRAFHDR2824TN	MRAFHDR3024TN

Widths				
1'-7 5/8"	2'-1 5/8"	2'-7 5/8"	2'-9 5/8"	3'-1 5/8"
1'-8 5/8"	2'-2 5/8"	2'-8 5/8"	2'-10 5/8"	3'-2 5/8"
1-6	2-0	2-6	2-8	3-0
MRAFHDR1610TNP	MRAFHDR2010TNP	MRAFHDR2610TNP	MRAFHDR2810TNP	MRAFHDR3010TNP
MRAFHDR1612TNP	MRAFHDR2012TNP	MRAFHDR2612TNP	MRAFHDR2812TNP	MRAFHDR3012TNP
MRAFHDR1616TNP	MRAFHDR2016TNP	MRAFHDR2616TNP	MRAFHDR2816TNP	MRAFHDR3016TNP
MRAFHDR1620TNP	MRAFHDR2020TNP	MRAFHDR2620TNP	MRAFHDR2820TNP	MRAFHDR3020TNP
MRAFHDR1624TNP	MRAFHDR2024TNP	MRAFHDR2624TNP	MRAFHDR2824TNP	MRAFHDR3024TNP

Hinged Doors – 2-Panel Operating & Circle Head Units

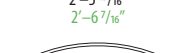
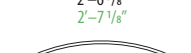
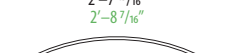
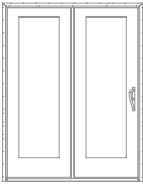
		Widths									
		3'-11 5/16"	4'-3 5/16"	4'-3 5/16"	4'-5 5/16"	4'-9 5/16"	4'-11 5/16"	5'-3 5/16"	5'-3 5/16"	5'-7 5/16"	6'-3 5/16"
		4'-0 5/16"	4'-4 5/16"	4'-4 5/16"	4'-6 5/16"	4'-10 5/16"	5'-0 5/16"	5'-4 5/16"	5'-4 5/16"	5'-8 5/16"	6'-4 5/16"
		3-8	4-0	4-0E	4-2	4-6	4-8	5-0	5-0E	5-4	6-0
Heights	6'-7 1/2"	 MRAHPDR3868 SLH  MRAHPDR4068 SLH  MRAHPDR4068  MRAHPDR4268 SLH  MRAHPDR4668 SLH  MRAHPDR4868 SLH  MRAHPDR5068 w/2-OS LH  MRAHPDR5068  MRAHPDR5468  MRAHPDR6068									
	6'-8"	 MRAHPDR3868 RHS  MRAHPDR4068 RHS  MRAHPDR4268 RHS  MRAHPDR4668 RHS  MRAHPDR4868 RHS  MRAHPDR5068 w/2-OS RH									
	6'-9 1/2"	 MRAHPDR38610 SLH  MRAHPDR40610 SLH  MRAHPDR40610  MRAHPDR42610 SLH  MRAHPDR46610 SLH  MRAHPDR48610 SLH  MRAHPDR50610 w/2-OS LH  MRAHPDR50610  MRAHPDR54610  MRAHPDR60610									
	6'-10"	 MRAHPDR38610 RHS  MRAHPDR40610 RHS  MRAHPDR42610 RHS  MRAHPDR46610 RHS  MRAHPDR48610 RHS  MRAHPDR50610 w/2-OS RH									
Heights	7'-1 1/2"	 MRAHPDR3872 SLH  MRAHPDR4072 SLH  MRAHPDR4072  MRAHPDR4272 SLH  MRAHPDR4672 LH  MRAHPDR4872 LH  MRAHPDR5072 w/2-OS LH  MRAHPDR5072  MRAHPDR5472  MRAHPDR6072									
	7'-2"	 MRAHPDR3872 RHS  MRAHPDR4072 RHS  MRAHPDR4272 RHS  MRAHPDR4672 RH  MRAHPDR4872 RH  MRAHPDR5072 w/2-OS RH									
	7'-11 1/2"	 MRAHPDR3880 SLH  MRAHPDR4080 SLH  MRAHPDR4080  MRAHPDR4280 SLH  MRAHPDR4680 LH  MRAHPDR4880 LH  MRAHPDR5080 w/2-OS LH  MRAHPDR5080  MRAHPDR5480  MRAHPDR6080									
	8'-0"	 MRAHPDR3880 RHS  MRAHPDR4080 RHS  MRAHPDR4280 RHS  MRAHPDR4680 RH  MRAHPDR4880 RH  MRAHPDR5080 w/2-OS RH									

		Circle Head Widths		
		5'-3 5/16"	5'-7 5/16"	6'-3 5/16"
		5'-4 5/16"	5'-8 5/16"	6'-4 5/16"
		5-0E	5-4	6-0
Heights		 MRAHPDR50ECH  MRAHPDR54CH  MRAHPDR60ECH		
		2'-7 11/16" 2'-8 3/16"		
		2'-9 11/16" 2'-10 3/16"		
		3'-1 11/16" 3'-2 3/16"		
		  		

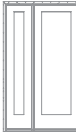
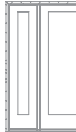
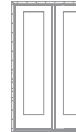
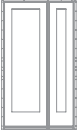
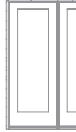
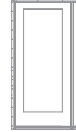
Hinged Doors – 2-Panel Transom Units

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

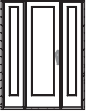
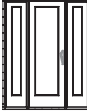
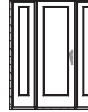
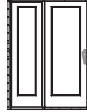
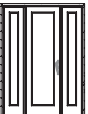
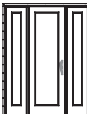
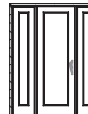
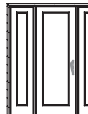
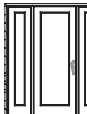
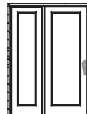
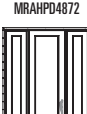
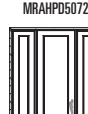
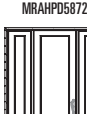
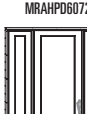
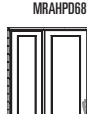
		Transom Widths						
		3'-11 5/16"	4'-3 5/16"	4'-3 5/16"	4'-5 5/16"	4'-9 5/16"	4'-11 5/16"	5'-3 5/16"
		4'-0 5/16"	4'-4 5/16"	4'-4 5/16"	4'-6 5/16"	4'-10 5/16"	5'-0 5/16"	5'-4 5/16"
		3-8	4-0	4-0E	4-2	4-6	4-8	5-0
Heights	Unit Dimension Rough Opening Call Size							
	1'-1 3/8"							
	1'-3 3/8"					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

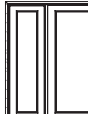
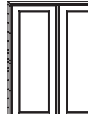
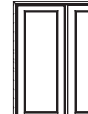
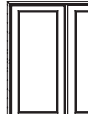
		Arch Transom Widths		
Heights	Unit Dimension Rough Opening Call Size	5'-3 5/16"	5'-7 5/16"	6'-3 5/16"
		5'-4 5/16"	5'-8 5/16"	6'-4 5/16"
		5-0E	5-4	6-0
Unit height is listed first under individual windows Rough Opening height dimension is listed second under individual windows	0-6	 MRAHPDRS006AHTN 1'-5 15/16" 1'-6 7/16"	 MRAHPDRS406AHTN 1'-6 5/8" 1'-7 1/8"	 MRAHPDR6006AHTN 1'-7 15/16" 1'-8 7/16"
	0-10	 MRAHPDRS010AHTN 1'-9 15/16" 1'-10 7/16"	 MRAHPDRS4010AHTN 1'-10 5/8" 1'-11 1/8"	 MRAHPDR60010AHTN 1'-11 15/16" 2'-0 7/16"
	1-0	 MRAHPDRS010AHTN 1'-11 15/16" 2'-0 7/16"	 MRAHPDRS410AHTN 2'-0 5/8" 2'-1 1/8"	 MRAHPDR6010AHTN 2'-1 15/16" 2'-2 7/16"
	1-2	 MRAHPDRS012AHTN 2'-1 15/16" 2'-2 7/16"	 MRAHPDRS412AHTN 2'-2 5/8" 2'-3 1/8"	 MRAHPDR6012AHTN 2'-3 15/16" 2'-4 7/16"
	1-6	 MRAHPDRS016AHTN 2'-5 15/16" 2'-6 7/16"	 MRAHPDRS416AHTN 2'-6 5/8" 2'-7 1/8"	 MRAHPDR6016AHTN 2'-7 15/16" 2'-8 7/16"
	2-0	 MRAHPDRS020AHTN 2'-11 15/16" 3'-0 7/16"	 MRAHPDRS420AHTN 3'-0 5/8" 3'-1 1/8"	 MRAHPDR6020AHTN 3'-1 15/16" 3'-2 7/16"
				

Hinged Doors – 2-Panel Arch Transom Units

		Arch Transom Widths					
		3'-11 5/16"	4'-3 5/16"	4'-5 5/16"	4'-9 5/16"	4'-11 5/16"	5'-3 5/16"
		4'-0 5/16"	4'-4 5/16"	4'-6 5/16"	4'-10 5/16"	5'-0 5/16"	5'-4 5/16"
		3-8	4-0	4-2	4-6	4-8	5-0
Heights	Unit Dimension Rough Opening Call Size						
	0-6	 MRAHPDR3806AHTN 1'-3 1/4" 1'-3 3/4"	 MRAHPDR4006AHTN 1'-3 15/16" 1'-4 7/16"	 MRAHPDR4206AHTN 1'-4 1/4" 1'-4 3/4"	 MRAHPDR4606AHTN 1'-4 15/16" 1'-5 7/16"	 MRAHPDR4806AHTN 1'-5 1/4" 1'-5 3/4"	 MRAHPDR5006AHTN 1'-5 15/16" 1'-6 7/16"
	0-10	 MRAHPDR3810AHTN 1'-7 1/4" 1'-7 3/4"	 MRAHPDR4010AHTN 1'-7 15/16" 1'-8 7/16"	 MRAHPDR4210AHTN 1'-8 1/4" 1'-8 3/4"	 MRAHPDR4610AHTN 1'-8 15/16" 1'-9 7/16"	 MRAHPDR4810AHTN 1'-9 1/4" 1'-9 3/4"	 MRAHPDR5010AHTN 1'-9 15/16" 1'-10 7/16"
	1-0	 MRAHPDR3810AHTN 1'-9 1/4" 1'-9 3/4"	 MRAHPDR4010AHTN 1'-9 15/16" 1'-10 7/16"	 MRAHPDR4210AHTN 1'-10 1/4" 1'-10 3/4"	 MRAHPDR4610AHTN 1'-10 15/16" 1'-11 7/16"	 MRAHPDR4810AHTN 1'-11 1/4" 1'-11 3/4"	 MRAHPDR5010AHTN 1'-11 15/16" 2'-0 7/16"
	1-2	 MRAHPDR3812AHTN 1'-11 1/4" 1'-11 3/4"	 MRAHPDR4012AHTN 1'-11 15/16" 2'-0 7/16"	 MRAHPDR4212AHTN 1'-0 1/4" 1'-0 3/4"	 MRAHPDR4612AHTN 2'-0 15/16" 2'-1 7/16"	 MRAHPDR4812AHTN 2'-1 1/4" 2'-1 3/4"	 MRAHPDR5012AHTN 2'-1 15/16" 2'-2 7/16"
	1-6	 MRAHPDR3816AHTN 2'-3 1/4" 2'-3 3/4"	 MRAHPDR4016AHTN 2'-3 15/16" 2'-4 7/16"	 MRAHPDR4216AHTN 1'-4 1/4" 1'-4 3/4"	 MRAHPDR4616AHTN 2'-4 15/16" 2'-5 7/16"	 MRAHPDR4816AHTN 2'-5 1/4" 2'-5 3/4"	 MRAHPDR5016AHTN 2'-5 15/16" 2'-6 7/16"
	2-0	 MRAHPDR3820AHTN 2'-9 1/4" 2'-9 3/4"	 MRAHPDR4020AHTN 2'-9 15/16" 2'-10 7/16"	 MRAHPDR4220AHTN 1'-11 1/4" 1'-11 3/4"	 MRAHPDR4620AHTN 2'-10 15/16" 2'-11 7/16"	 MRAHPDR4820AHTN 2'-11 1/4" 2'-11 3/4"	 MRAHPDR5020AHTN 2'-11 15/16" 3'-0 7/16"
							
							

Hinged Doors – 3-Panel Operating & Matching Fixed Units

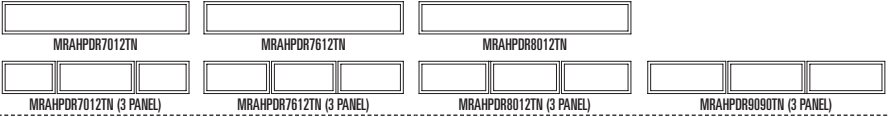
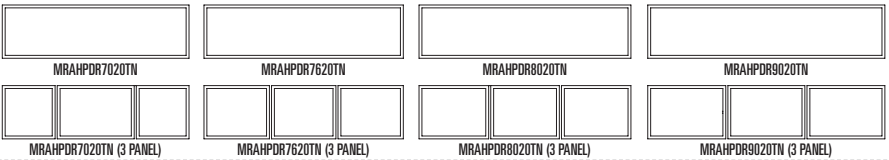
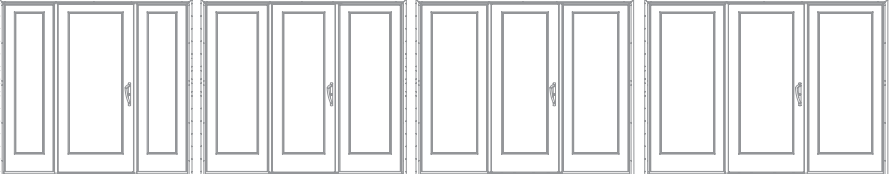
		Widths							
Heights	Unit Dimension Rough Opening Call Size	4'-10 15/16"	5'-0 15/16"	5'-4 15/16"	5'-10 15/16"	6'-0 15/16"	6'-4 15/16"	6'-10 15/16"	7'-0 15/16"
		4'-11 15/16"	5'-1 15/16"	5'-5 15/16"	5'-11 15/16"	6'-1 15/16"	6'-5 15/16"	6'-11 15/16"	7'-1 15/16"
		4-6	4-8	5-0	5-6	5-8	6-0	6-6	6-8
6'-7 1/2"	6'-8"	 MRAHPD4668	 MRAHPD4668	 MRAHPD5068	 MRAHPD5668	 MRAHPD5868	 MRAHPD6068	 MRAHPD6668	 MRAHPD6868
6'-9 1/2"	6'-10"	 MRAHPD46610	 MRAHPD46610	 MRAHPD50610	 MRAHPD56610	 MRAHPD58610	 MRAHPD60610	 MRAHPD66610	 MRAHPD68610
7'-1 1/2"	7'-2"	 MRAHPD4672	 MRAHPD4672	 MRAHPD5072	 MRAHPD5672	 MRAHPD5872	 MRAHPD6072	 MRAHPD6672	 MRAHPD6872
7'-11 1/2"	8'-0"	 MRAHPD4680	 MRAHPD4680	 MRAHPD5080	 MRAHPD5680	 MRAHPD5880	 MRAHPD6080	 MRAHPD6680	 MRAHPD6880

		Widths			
Heights	Unit Dimension Rough Opening Call Size	7'-4 15/16"	7'-10 15/16"	8'-4 15/16"	9'-4 15/16"
		7'-5 15/16"	7'-11 15/16"	8'-5 15/16"	9'-5 15/16"
		7-0	7-6	8-0	9-0
6'-7 1/2"	6'-8"	 MRAHPD7068	 MRAHPD7668	 MRAHPD8068	 MRAHPD9068
6'-9 1/2"	6'-10"	 MRAHPD70610	 MRAHPD76610	 MRAHPD80610	 MRAHPD90610
7'-1 1/2"	7'-2"	 MRAHPD7072	 MRAHPD7672	 MRAHPD8072	 MRAHPD9072
7'-11 1/2"	8'-0"	 MRAHPD7080	 MRAHPD7680	 MRAHPD8080	 MRAHPD9080

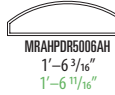
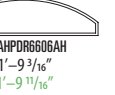
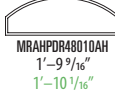
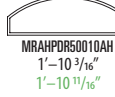
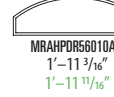
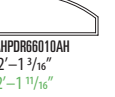
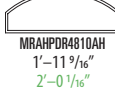
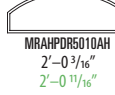
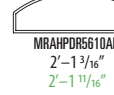
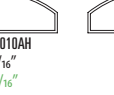
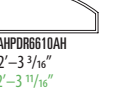
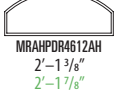
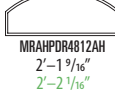
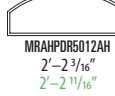
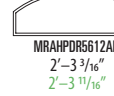
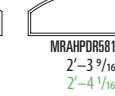
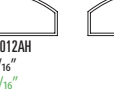
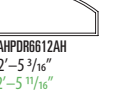
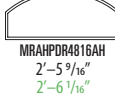
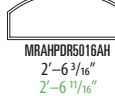
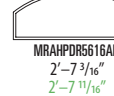
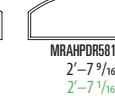
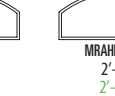
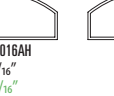
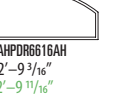
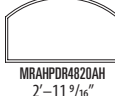
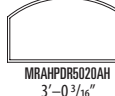
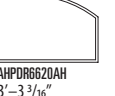
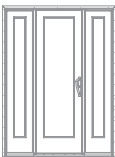
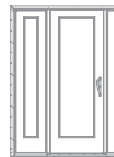
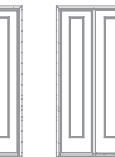
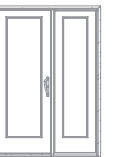
Hinged Doors – 3-Panel Transom Units

		Widths							
		4'–10 15⁄16"	5'–0 15⁄16"	5'–4 15⁄16"	5'–10 15⁄16"	6'–0 15⁄16"	6'–4 15⁄16"	6'–10 15⁄16"	7'–0 15⁄16"
		4'–11 15⁄16"	5'–1 15⁄16"	5'–5 15⁄16"	5'–11 15⁄16"	6'–1 15⁄16"	6'–5 15⁄16"	6'–11 15⁄16"	7'–1 15⁄16"
		4–6	4–8	5–0	5–6	5–8	6–0	6–6	6–8
Heights	Unit Dimension Rough Opening Call Size								
	1'–1 3⁄8"								
	1'–1 7⁄8"								
	1'–3 3⁄8"								
	1'–3 7⁄8"								
		1–0	1–2	1–6	2–0	2–4			
		MRAHPDR4610TN MRAHPDR4610TN (3 PANEL)	MRAHPDR4810TN MRAHPDR4810TN (3 PANEL)	MRAHPDR5010TN MRAHPDR5010TN (3 PANEL)	MRAHPDR5610TN MRAHPDR5610TN (3 PANEL)	MRAHPDR5810TN MRAHPDR5810TN (3 PANEL)	MRAHPDR6010TN MRAHPDR6010TN (3 PANEL)	MRAHPDR6610TN MRAHPDR6610TN (3 PANEL)	MRAHPDR6810TN MRAHPDR6810TN (3 PANEL)
		MRAHPDR4612TN MRAHPDR4612TN (3 PANEL)	MRAHPDR4812TN MRAHPDR4812TN (3 PANEL)	MRAHPDR5012TN MRAHPDR5012TN (3 PANEL)	MRAHPDR5612TN MRAHPDR5612TN (3 PANEL)	MRAHPDR5812TN MRAHPDR5812TN (3 PANEL)	MRAHPDR6012TN MRAHPDR6012TN (3 PANEL)	MRAHPDR6612TN MRAHPDR6612TN (3 PANEL)	MRAHPDR6812TN MRAHPDR6812TN (3 PANEL)
		MRAHPDR4616TN MRAHPDR4616TN (3 PANEL)	MRAHPDR4816TN MRAHPDR4816TN (3 PANEL)	MRAHPDR5016TN MRAHPDR5016TN (3 PANEL)	MRAHPDR5616TN MRAHPDR5616TN (3 PANEL)	MRAHPDR5816TN MRAHPDR5816TN (3 PANEL)	MRAHPDR6016TN MRAHPDR6016TN (3 PANEL)	MRAHPDR6616TN MRAHPDR6616TN (3 PANEL)	MRAHPDR6816TN MRAHPDR6816TN (3 PANEL)
		MRAHPDR4620TN MRAHPDR4620TN (3 PANEL)	MRAHPDR4820TN MRAHPDR4820TN (3 PANEL)	MRAHPDR5020TN MRAHPDR5020TN (3 PANEL)	MRAHPDR5620TN MRAHPDR5620TN (3 PANEL)	MRAHPDR5820TN MRAHPDR5820TN (3 PANEL)	MRAHPDR6020TN MRAHPDR6020TN (3 PANEL)	MRAHPDR6620TN MRAHPDR6620TN (3 PANEL)	MRAHPDR6820TN MRAHPDR6820TN (3 PANEL)
		MRAHPDR4624TN MRAHPDR4624TN (3 PANEL)	MRAHPDR4824TN MRAHPDR4824TN (3 PANEL)	MRAHPDR5024TN MRAHPDR5024TN (3 PANEL)	MRAHPDR5624TN MRAHPDR5624TN (3 PANEL)	MRAHPDR5824TN MRAHPDR5824TN (3 PANEL)	MRAHPDR6024TN MRAHPDR6024TN (3 PANEL)	MRAHPDR6624TN MRAHPDR6624TN (3 PANEL)	MRAHPDR6824TN MRAHPDR6824TN (3 PANEL)

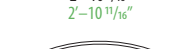
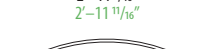
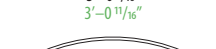
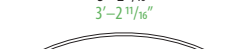
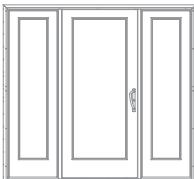
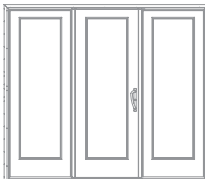
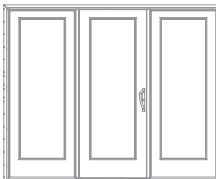
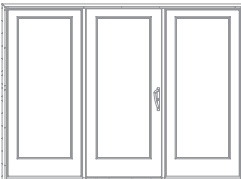
Hinged Doors – 3-Panel Transom Units

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

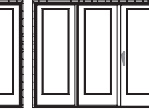
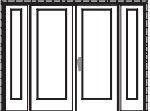
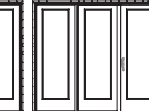
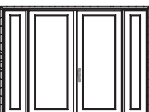
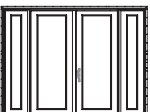
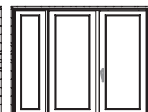
Hinged Doors – 3-Panel Arch Transom Units

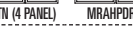
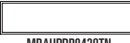
		Arch Transom Widths							
		4'-10 15/16"	5'-0 15/16"	5'-4 15/16"	5'-10 15/16"	6'-0 15/16"	6'-4 15/16"	6'-10 15/16"	7'-0 15/16"
		4'-11 15/16"	5'-1 15/16"	5'-5 15/16"	5'-11 15/16"	6'-1 15/16"	6'-4 15/16"	6'-11 15/16"	7'-1 15/16"
		4-6	4-8	5-0	5-6	5-8	6-0	6-6	6-8
Heights	Unit Dimension Rough Opening Call Size								
	0-6	 MRAHPDR4606AH 1'-5 3/8" 1'-5 7/8"	 MRAHPDR4806AH 1'-5 9/16" 1'-6 1/16"	 MRAHPDR5006AH 1'-6 3/16" 1'-6 11/16"	 MRAHPDR5606AH 1'-7 3/16" 1'-7 11/16"	 MRAHPDR5806AH 1'-7 9/16" 1'-8 1/16"	 MRAHPDR6006AH 1'-8 3/16" 1'-8 11/16"	 MRAHPDR6606AH 1'-9 3/16" 1'-9 11/16"	 MRAHPDR6806AH 1'-9 9/16" 1'-10 1/16"
	0-10	 MRAHPDR46010AH 1'-9 3/8" 1'-9 7/8"	 MRAHPDR48010AH 1'-9 9/16" 1'-10 1/16"	 MRAHPDR50010AH 1'-10 3/16" 1'-10 11/16"	 MRAHPDR56010AH 1'-11 3/16" 1'-11 11/16"	 MRAHPDR58010AH 1'-11 9/16" 2'-0 1/16"	 MRAHPDR60010AH 2'-0 3/16" 2'-0 11/16"	 MRAHPDR66010AH 2'-1 3/16" 2'-1 11/16"	 MRAHPDR68010AH 2'-1 9/16" 2'-2 1/16"
	1-0	 MRAHPDR4610AH 1'-11 3/8" 1'-11 7/8"	 MRAHPDR4810AH 1'-11 9/16" 2'-0 1/16"	 MRAHPDR5010AH 2'-0 3/16" 2'-0 11/16"	 MRAHPDR5610AH 2'-1 3/16" 2'-1 11/16"	 MRAHPDR5810AH 2'-1 9/16" 2'-2 1/16"	 MRAHPDR6010AH 2'-2 3/16" 2'-2 11/16"	 MRAHPDR6610AH 2'-3 3/16" 2'-3 11/16"	 MRAHPDR6810AH 2'-3 9/16" 2'-4 1/16"
	1-2	 MRAHPDR4612AH 2'-1 3/8" 2'-1 7/8"	 MRAHPDR4812AH 2'-1 9/16" 2'-2 1/16"	 MRAHPDR5012AH 2'-2 3/16" 2'-2 11/16"	 MRAHPDR5612AH 2'-3 3/16" 2'-3 11/16"	 MRAHPDR5812AH 2'-3 9/16" 2'-4 1/16"	 MRAHPDR6012AH 2'-4 3/16" 2'-4 11/16"	 MRAHPDR6612AH 2'-5 3/16" 2'-5 11/16"	 MRAHPDR6812AH 2'-5 9/16" 2'-6 1/16"
	1-6	 MRAHPDR4616AH 2'-5 3/8" 2'-5 7/8"	 MRAHPDR4816AH 2'-5 9/16" 2'-6 1/16"	 MRAHPDR5016AH 2'-6 3/16" 2'-6 11/16"	 MRAHPDR5616AH 2'-7 3/16" 2'-7 11/16"	 MRAHPDR5816AH 2'-7 9/16" 2'-7 1/16"	 MRAHPDR6016AH 2'-8 3/16" 2'-8 11/16"	 MRAHPDR6616AH 2'-9 3/16" 2'-9 11/16"	 MRAHPDR6816AH 2'-9 9/16" 2'-10 1/16"
	2-0	 MRAHPDR4620AH 2'-11 3/8" 2'-11 7/8"	 MRAHPDR4820AH 2'-11 9/16" 3'-0 1/16"	 MRAHPDR5020AH 3'-0 3/16" 3'-0 11/16"	 MRAHPDR5620AH 3'-1 3/16" 3'-1 11/16"	 MRAHPDR5820AH 3'-1 9/16" 3'-2 1/16"	 MRAHPDR6020AH 3'-2 3/16" 3'-2 11/16"	 MRAHPDR6620AH 3'-3 3/16" 3'-3 11/16"	 MRAHPDR6820AH 3'-3 9/16" 3'-4 1/16"
									

Hinged Doors – 3-Panel Arch Transom Units

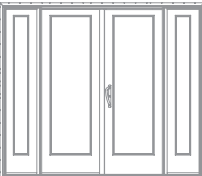
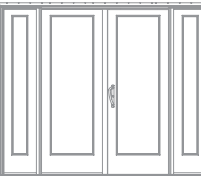
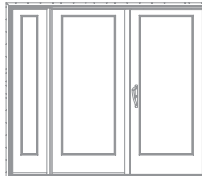
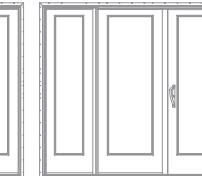
		Arch Transom Widths			
		7'-4 15/16"	7'-10 15/16"	8'-4 15/16"	9'-4 15/16"
		7'-5 15/16"	7'-11 15/16"	8'-5 15/16"	9'-5 15/16"
		7-0	7-6	8-0	9-0
Heights	Unit Dimension Rough Opening Call Size				
	0-6	 MRAHPDR4606AH 1'-10 3/16" 1'-10 11/16"	 MRAHPDR4806AH 1'-11 3/16" 1'-11 11/16"	 MRAHPDR5006AH 2'-0 3/16" 2'-0 11/16"	 MRAHPDR5606AH 2'-2 3/16" 2'-2 11/16"
	0-10	 MRAHPDR46010AH 2'-2 3/16" 2'-2 11/16"	 MRAHPDR48010AH 2'-3 3/16" 2'-3 11/16"	 MRAHPDR50010AH 2'-4 3/16" 2'-4 11/16"	 MRAHPDR56010AH 2'-6 3/16" 2'-6 11/16"
	1-0	 MRAHPDR4610AH 2'-4 3/16" 2'-4 11/16"	 MRAHPDR4810AH 2'-5 3/16" 2'-5 11/16"	 MRAHPDR5010AH 2'-6 3/16" 2'-6 11/16"	 MRAHPDR5610AH 2'-8 3/16" 2'-8 11/16"
	1-2	 MRAHPDR4612AH 2'-6 3/16" 2'-6 11/16"	 MRAHPDR4812AH 2'-7 3/16" 2'-7 11/16"	 MRAHPDR5012AH 2'-8 3/16" 2'-8 11/16"	 MRAHPDR5612AH 2'-10 3/16" 2'-10 11/16"
	1-6	 MRAHPDR4616AH 2'-10 3/16" 2'-10 11/16"	 MRAHPDR4816AH 2'-11 3/16" 2'-11 11/16"	 MRAHPDR5016AH 3'-0 3/16" 3'-0 11/16"	 MRAHPDR5616AH 3'-2 3/16" 3'-2 11/16"
	2-0	 MRAHPDR4620AH 3'-4 3/16" 3'-4 11/16"	 MRAHPDR4820AH 3'-5 3/16" 3'-5 11/16"	 MRAHPDR5020AH 3'-6 3/16" 3'-6 11/16"	 MRAHPDR5620AH 3'-8 3/16" 3'-8 11/16"
					

Hinged Doors – 4-Panel Operating & Transom Units

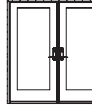
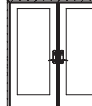
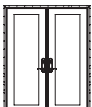
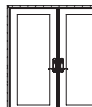
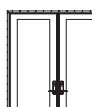
		Widths						
		7'-10 9/16"	8'-6 9/16"	8'-10 9/16"	9'-6 9/16"	9'-10 9/16"	10'-6 9/16"	10'-6 9/16"
		7'-11 9/16"	8'-7 9/16"	8'-11 9/16"	9'-7 9/16"	9'-11 9/16"	10'-7 9/16"	10'-7 9/16"
		7-4	8-0	8-4	9-0	9-4	10-0/20	10-0
Heights	Unit Dimension Rough Opening Call Size							
	6'-7 1/2"							
	6'-9 1/2"							
	7'-1 1/2"							
	7'-11 1/2"							
	8'-0"							
		MRAHPDR7468	MRAHPDR8068	MRAHPDR8468	MRAHPDR9068	MRAHPDR9468	MRAHPDR100/20S68	MRAHPDR10068
		MRAHPDR74610	MRAHPDR80610	MRAHPDR84610	MRAHPDR90610	MRAHPDR94610	MRAHPDR100/20S610	MRAHPDR100610
		MRAHPDR7472	MRAHPDR8072	MRAHPDR8472	MRAHPDR9072	MRAHPDR9472	MRAHPDR100/20S72	MRAHPDR10072
		MRAHPDR7480	MRAHPDR8080	MRAHPDR8480	MRAHPDR9080	MRAHPDR9480	MRAHPDR100/20S80	MRAHPDR10080

		Widths						
		7'-10 9/16"	8'-6 9/16"	8'-10 9/16"	9'-6 9/16"	9'-10 9/16"	10'-6 9/16"	10'-6 9/16"
		7'-11 9/16"	8'-7 9/16"	8'-11 9/16"	9'-7 9/16"	9'-11 9/16"	10'-7 9/16"	10'-7 9/16"
		7-4	8-0	8-4	9-0	9-4	10-0/20	10-0
Heights	Unit Dimension Rough Opening Call Size							
	1'-1 3/8"							
	1'-3 3/8"							
	1'-5 3/8"							
	1'-7 3/8"							
	1'-9 3/8"							
	2'-1 3/8"							
	2'-3 3/8"							
	2'-5 3/8"							
	2'-7 3/8"							
		MRAHPDR7410TN	MRAHPDR8010TN (4 PANEL)	MRAHPDR8410TN (4 PANEL)	MRAHPDR9010TN (4 PANEL)	MRAHPDR9410TN (4 PANEL)	MRAHPDR100/20S10TN (4 PANEL)	MRAHPDR10010TN (4 PANEL)
		MRAHPDR7412TN	MRAHPDR8012TN (4 PANEL)	MRAHPDR8412TN (4 PANEL)	MRAHPDR9012TN (4 PANEL)	MRAHPDR9412TN (4 PANEL)	MRAHPDR100/20S12TN (4 PANEL)	MRAHPDR10012TN (4 PANEL)
		MRAHPDR7416TN	MRAHPDR8016TN (4 PANEL)	MRAHPDR8416TN (4 PANEL)	MRAHPDR9016TN (4 PANEL)	MRAHPDR9416TN (4 PANEL)	MRAHPDR100/20S16TN (4 PANEL)	MRAHPDR10016TN (4 PANEL)
		MRAHPDR7420TN	MRAHPDR8020TN (4 PANEL)	MRAHPDR8420TN (4 PANEL)	MRAHPDR9020TN (4 PANEL)	MRAHPDR9420TN (4 PANEL)	MRAHPDR100/20S20TN (4 PANEL)	MRAHPDR10020TN (4 PANEL)
		MRAHPDR7424TN	MRAHPDR8024TN (4 PANEL)	MRAHPDR8424TN (4 PANEL)	MRAHPDR9024TN (4 PANEL)	MRAHPDR9424TN (4 PANEL)	MRAHPDR100/20S24TN (4 PANEL)	MRAHPDR10024TN (4 PANEL)
		MRAHPDR7428TN	MRAHPDR8028TN (4 PANEL)	MRAHPDR8428TN (4 PANEL)	MRAHPDR9028TN (4 PANEL)	MRAHPDR9428TN (4 PANEL)	MRAHPDR100/20S28TN (4 PANEL)	MRAHPDR10028TN (4 PANEL)
		MRAHPDR7432TN	MRAHPDR8032TN (4 PANEL)	MRAHPDR8432TN (4 PANEL)	MRAHPDR9032TN (4 PANEL)	MRAHPDR9432TN (4 PANEL)	MRAHPDR100/20S32TN (4 PANEL)	MRAHPDR10032TN (4 PANEL)
		MRAHPDR7436TN	MRAHPDR8036TN (4 PANEL)	MRAHPDR8436TN (4 PANEL)	MRAHPDR9036TN (4 PANEL)	MRAHPDR9436TN (4 PANEL)	MRAHPDR100/20S36TN (4 PANEL)	MRAHPDR10036TN (4 PANEL)
		MRAHPDR7440TN	MRAHPDR8040TN (4 PANEL)	MRAHPDR8440TN (4 PANEL)	MRAHPDR9040TN (4 PANEL)	MRAHPDR9440TN (4 PANEL)	MRAHPDR100/20S40TN (4 PANEL)	MRAHPDR10040TN (4 PANEL)
		MRAHPDR7444TN	MRAHPDR8044TN (4 PANEL)	MRAHPDR8444TN (4 PANEL)	MRAHPDR9044TN (4 PANEL)	MRAHPDR9444TN (4 PANEL)	MRAHPDR100/20S44TN (4 PANEL)	MRAHPDR10044TN (4 PANEL)
		MRAHPDR7448TN	MRAHPDR8048TN (4 PANEL)	MRAHPDR8448TN (4 PANEL)	MRAHPDR9048TN (4 PANEL)	MRAHPDR9448TN (4 PANEL)	MRAHPDR100/20S48TN (4 PANEL)	MRAHPDR10048TN (4 PANEL)
		MRAHPDR7452TN	MRAHPDR8052TN (4 PANEL)	MRAHPDR8452TN (4 PANEL)	MRAHPDR9052TN (4 PANEL)	MRAHPDR9452TN (4 PANEL)	MRAHPDR100/20S52TN (4 PANEL)	MRAHPDR10052TN (4 PANEL)
		MRAHPDR7456TN	MRAHPDR8056TN (4 PANEL)	MRAHPDR8456TN (4 PANEL)	MRAHPDR9056TN (4 PANEL)	MRAHPDR9456TN (4 PANEL)	MRAHPDR100/20S56TN (4 PANEL)	MRAHPDR10056TN (4 PANEL)
		MRAHPDR7460TN	MRAHPDR8060TN (4 PANEL)	MRAHPDR8460TN (4 PANEL)	MRAHPDR9060TN (4 PANEL)	MRAHPDR9460TN (4 PANEL)	MRAHPDR100/20S60TN (4 PANEL)	MRAHPDR10060TN (4 PANEL)
		MRAHPDR7464TN	MRAHPDR8064TN (4 PANEL)	MRAHPDR8464TN (4 PANEL)	MRAHPDR9064TN (4 PANEL)	MRAHPDR9464TN (4 PANEL)	MRAHPDR100/20S64TN (4 PANEL)	MRAHPDR10064TN (4 PANEL)
		MRAHPDR7468TN	MRAHPDR8068TN (4 PANEL)	MRAHPDR8468TN (4 PANEL)	MRAHPDR9068TN (4 PANEL)	MRAHPDR9468TN (4 PANEL)	MRAHPDR100/20S68TN (4 PANEL)	MRAHPDR10068TN (4 PANEL)
		MRAHPDR7472TN	MRAHPDR8072TN (4 PANEL)	MRAHPDR8472TN (4 PANEL)	MRAHPDR9072TN (4 PANEL)	MRAHPDR9472TN (4 PANEL)	MRAHPDR100/20S72TN (4 PANEL)	MRAHPDR10072TN (4 PANEL)
		MRAHPDR7476TN	MRAHPDR8076TN (4 PANEL)	MRAHPDR8476TN (4 PANEL)	MRAHPDR9076TN (4 PANEL)	MRAHPDR9476TN (4 PANEL)	MRAHPDR100/20S76TN (4 PANEL)	MRAHPDR10076TN (4 PANEL)
		MRAHPDR7480TN	MRAHPDR8080TN (4 PANEL)	MRAHPDR8480TN (4 PANEL)	MRAHPDR9080TN (4 PANEL)	MRAHPDR9480TN (4 PANEL)	MRAHPDR100/20S80TN (4 PANEL)	MRAHPDR10080TN (4 PANEL)
		MRAHPDR7484TN	MRAHPDR8084TN (4 PANEL)	MRAHPDR8484TN (4 PANEL)	MRAHPDR9084TN (4 PANEL)	MRAHPDR9484TN (4 PANEL)	MRAHPDR100/20S84TN (4 PANEL)	MRAHPDR10084TN (4 PANEL)
		MRAHPDR7488TN	MRAHPDR8088TN (4 PANEL)	MRAHPDR8488TN (4 PANEL)	MRAHPDR9088TN (4 PANEL)	MRAHPDR9488TN (4 PANEL)	MRAHPDR100/20S88TN (4 PANEL)	MRAHPDR10088TN (4 PANEL)
		MRAHPDR7492TN	MRAHPDR8092TN (4 PANEL)	MRAHPDR8492TN (4 PANEL)	MRAHPDR9092TN (4 PANEL)	MRAHPDR9492TN (4 PANEL)	MRAHPDR100/20S92TN (4 PANEL)	MRAHPDR10092TN (4 PANEL)
		MRAHPDR7496TN	MRAHPDR8096TN (4 PANEL)	MRAHPDR8496TN (4 PANEL)	MRAHPDR9096TN (4 PANEL)	MRAHPDR9496TN (4 PANEL)	MRAHPDR100/20S96TN (4 PANEL)	MRAHPDR10096TN (4 PANEL)
		MRAHPDR7500TN	MRAHPDR8100TN (4 PANEL)	MRAHPDR8500TN (4 PANEL)	MRAHPDR9100TN (4 PANEL)	MRAHPDR9500TN (4 PANEL)	MRAHPDR100/20S100TN (4 PANEL)	MRAHPDR10100TN (4 PANEL)
		MRAHPDR7504TN	MRAHPDR8104TN (4 PANEL)	MRAHPDR8504TN (4 PANEL)	MRAHPDR9104TN (4 PANEL)	MRAHPDR9504TN (4 PANEL)	MRAHPDR100/20S104TN (4 PANEL)	MRAHPDR10104TN (4 PANEL)
		MRAHPDR7508TN	MRAHPDR8108TN (4 PANEL)	MRAHPDR8508TN (4 PANEL)	MRAHPDR9108TN (4 PANEL)	MRAHPDR9508TN (4 PANEL)	MRAHPDR100/20S108TN (4 PANEL)	MRAHPDR10108TN (4 PANEL)
		MRAHPDR7512TN	MRAHPDR8112TN (4 PANEL)	MRAHPDR8512TN (4 PANEL)	MRAHPDR9112TN (4 PANEL)	MRAHPDR9512TN (4 PANEL)	MRAHPDR100/20S112TN (4 PANEL)	MRAHPDR10112TN (4 PANEL)
		MRAHPDR7516TN	MRAHPDR8116TN (4 PANEL)	MRAHPDR8516TN (4 PANEL)	MRAHPDR9116TN (4 PANEL)	MRAHPDR9516TN (4 PANEL)	MRAHPDR100/20S116TN (4 PANEL)	MRAHPDR10116TN (4 PANEL)
		MRAHPDR7520TN	MRAHPDR8120TN (4 PANEL)	MRAHPDR8520TN (4 PANEL)	MRAHPDR9120TN (4 PANEL)	MRAHPDR9520TN (4 PANEL)	MRAHPDR100/20S120TN (4 PANEL)	MRAHPDR10120TN (4 PANEL)
		MRAHPDR7524TN	MRAHPDR8124TN (4 PANEL)	MRAHPDR8524TN (4 PANEL)	MRAHPDR9124TN (4 PANEL)	MRAHPDR9524TN (4 PANEL)	MRAHPDR100/20S124TN (4 PANEL)	MRAHPDR10124TN (4 PANEL)
		MRAHPDR7528TN	MRAHPDR8128TN (4 PANEL)	MRAHPDR8528TN (4 PANEL)	MRAHPDR9128TN (4 PANEL)	MRAHPDR9528TN (4 PANEL)	MRAHPDR100/20S128TN (4 PANEL)	MRAHPDR10128TN (4 PANEL)
		MRAHPDR7532TN	MRAHPDR8132TN (4 PANEL)	MRAHPDR8532TN (4 PANEL)	MRAHPDR9132TN (4 PANEL)	MRAHPDR9532TN (4 PANEL)	MRAHPDR100/20S132TN (4 PANEL)	MRAHPDR10132TN (4 PANEL)
		MRAHPDR7536TN	MRAHPDR8136TN (4 PANEL)	MRAHPDR8536TN (4 PANEL)	MRAHPDR9136TN (4 PANEL)	MRAHPDR9536TN (4 PANEL)	MRAHPDR100/20S136TN (4 PANEL)	MRAHPDR10136TN (4 PANEL)
		MRAHPDR7540TN	MRAHPDR8140TN (4 PANEL)	MRAHPDR8540TN (4 PANEL)	MRAHPDR9140TN (4 PANEL)	MRAHPDR9540TN (4 PANEL)	MRAHPDR100/20S140TN (4 PANEL)	MRAHPDR10140TN (4 PANEL)
		MRAHPDR7544TN	MRAHPDR8144TN (4 PANEL)	MRAHPDR8544TN (4 PANEL)	MRAHPDR9144TN (4 PANEL)	MRAHPDR9544TN (4 PANEL)	MRAHPDR100/20S144TN (4 PANEL)	MRAHPDR10144TN (4 PANEL)
		MRAHPDR7548TN	MRAHPDR8148TN (4 PANEL)	MRAHPDR8548TN (4 PANEL)	MRAHPDR9148TN (4 PANEL)	MRAHPDR9548TN (4 PANEL)	MRAHPDR100/20S148TN (4 PANEL)	MRAHPDR10148TN (4 PANEL)
		MRAHPDR7552TN	MRAHPDR8152TN (4 PANEL)	MRAHPDR8552TN (4 PANEL)	MRAHPDR9152TN (4 PANEL)	MRAHPDR9552TN (4 PANEL)	MRAHPDR100/20S152TN (4 PANEL)	MRAHPDR10152TN (4 PANEL)
		MRAHPDR7556TN	MRAHPDR8156TN (4 PANEL)	MRAHPDR8556TN (4 PANEL)	MRAHPDR9156TN (4 PANEL)	MRAHPDR9556TN (4 PANEL)	MRAHPDR100/20S156TN (4 PANEL)	MRAHPDR10156TN (4 PANEL)
		MRAHPDR7560TN	MRAHPDR8160TN (4 PANEL)	MRAHPDR8560TN (4 PANEL)	MRAHPDR9160TN (4 PANEL)	MRAHPDR9560TN (4 PANEL)	MRAHPDR100/20S160TN (4 PANEL)	MRAHPDR10160TN (4 PANEL)
		MRAHPDR7564TN	MRAHPDR8164TN (4 PANEL)	MRAHPDR8564TN (4 PANEL)	MRAHPDR9164TN (4 PANEL)	MRAHPDR9564TN (4 PANEL)	MRAHPDR100/20S164TN (4 PANEL)	MRAHPDR10164TN (4 PANEL)
		MRAHPDR7568TN	MRAHPDR8168TN (4 PANEL)	MRAHPDR8568TN (4 PANEL)	MRAHPDR9168TN (4 PANEL)	MRAHPDR9568TN (4 PANEL)	MRAHPDR100/20S168TN (4 PANEL)	MRAHPDR10168TN (4 PANEL)
		MRAHPDR7572TN	MRAHPDR8172TN (4 PANEL)	MRAHPDR8572TN (4 PANEL)	MRAHPDR9172TN (4 PANEL)	MRAHPDR9572TN (4 PANEL)	MRAHPDR100/20S172TN (4 PANEL)	MRAHPDR10172TN (4 PANEL)
		MRAHPDR7576TN	MRAHPDR8176TN (4 PANEL)	MRAHPDR8576TN (4 PANEL)	MRAHPDR9176TN (4 PANEL)	MRAHPDR9576TN (4 PANEL)	MRAHPDR100/20S176TN (4 PANEL)	MRAHPDR10176TN (4 PANEL)
		MRAHPDR7580TN	MRAHPDR8180TN (4 PANEL)	MRAHPDR8580TN (4 PANEL)	MRAHPDR9180TN (4 PANEL)	MRAHPDR9580TN (4 PANEL)	MRAHPDR100/20S180TN (4 PANEL)	MRAHPDR10180TN (4 PANEL)
		MRAHPDR7584TN	MRAHPDR8184TN (4 PANEL)	MRAHPDR8584TN (4 PANEL)	MRAHPDR9184TN (4 PANEL)	MRAHPDR9584TN (4 PANEL)	MRAHPDR100/20S184TN (4 PANEL)	MRAHPDR10184TN (4 PANEL)
		MRAHPDR7588TN	MRAHPDR8188TN (4 PANEL)	MRAHPDR8588TN (4 PANEL)	MRAHPDR9188TN (4 PANEL)	MRAHPDR9588TN (4 PANEL)	MRAHPDR100/20S188TN (4 PANEL)	MRAHPDR10188TN (4 PANEL)
		MRAHPDR7592TN	MRAHPDR8192TN (4 PANEL)	MRAHPDR8592TN (4 PANEL)	MRAHPDR9192TN (4 PANEL)	MRAHPDR9592TN (4 PANEL)	MRAHPDR100/20S192TN (4 PANEL)	MRAHPDR10192TN (4 PANEL)
		MRAHPDR7596TN	MRAHPDR8196TN (4 PANEL)	MRAHPDR8596TN (4 PANEL)	MRAHPDR9196TN (4 PANEL)	MRAHPDR9596TN (4 PANEL)	MRAHPDR100/20S196TN (4 PANEL)	MRAHPDR10196TN (4 PANEL)
		MRAHPDR7600TN	MRAHPDR8200TN (4 PANEL)	MRAHPDR8600TN (4 PANEL)	MRAHPDR9200TN (4 PANEL)	MRAHPDR9600TN (4 PANEL)	MRAHPDR100/20S200TN (4 PANEL)	MRAHPDR10200TN (4 PANEL)
		MRAHPDR7604TN	MRAHPDR8204TN (4 PANEL)	MRAHPDR8604TN (4 PANEL)	MRAHPDR9204TN (4 PANEL)	MRAHPDR9604TN (4 PANEL)	MRAHPDR100/20S204TN (4 PANEL)	MRAHPDR10204TN (4 PANEL)
		MRAHPDR7608TN	MRAHPDR8208TN (4 PANEL)	MRAHPDR8608TN (4 PANEL)	MRAHPDR9208TN (4 PANEL)	MRAHPDR9608TN (4 PANEL)	MRAHPDR100/20S208TN (4 PANEL)	MRAHPDR10208TN (4 PANEL)
		MRAHPDR7612TN	MRAHPDR8212TN (4 PANEL)	MRAHPDR8612TN (4 PANEL)	MRAHPDR9212TN (4 PANEL)	MRAHPDR9612TN (4 PANEL)	MRAHPDR100/20S212TN (4 PANEL)	MRAHPDR10212TN (4 PANEL)
		MRAHPDR7616TN	MRAHPDR8216TN (4 PANEL)	MRAHPDR8616TN (4 PANEL)	MRAHPDR9216TN (4 PANEL)	MRAHPDR9616TN (4 PANEL)	MRAHPDR100/20S216TN (4 PANEL)	MRAHPDR10216TN (4 PANEL)
		MRAHPDR7620TN	MRAHPDR8220TN (4 PANEL)	MRAHPDR8620TN (4 PANEL)	MRAHPDR9220TN (4 PANEL)	MRAHPDR9620TN (4 PANEL)	MRAHPDR100/20S220TN (4 PANEL)	MRAHPDR10220TN (4 PANEL)
		MRAHPDR7624TN	MRAHPDR8224TN (4 PANEL)	MRAHPDR8624TN (4 PANEL)	MRAHPDR9224TN (4 PANEL)	MRAHPDR9624TN (4 PANEL)	MRAHPDR100/20S224TN (4 PANEL)	MRAHPDR10224TN (4 PANEL)
		MRAHPDR7628TN	MRAHPDR8228TN (4 PANEL)	MRAHPDR8628TN (4 PANEL)	MRAHPDR9228TN (4 PANEL)	MRAHPDR9628TN (4 PANEL)	MRAHPDR100/20S228TN (4 PANEL)	MRAHPDR10228TN (4 PANEL)
		MRAHPDR7632TN	MRAHPDR8232TN (4 PANEL)	MRAHPDR8632TN (4 PANEL)	MRAHPDR9232TN (4 PANEL)	MRAHPDR9632TN (4 PANEL)	MRAHPDR100/20S232TN (4 PANEL)	MRAHPDR10232TN (4 PANEL)
		MRAHPDR7636TN	MRAHPDR8236TN (4 PANEL)	MRAHPDR8636TN (4 PANEL)	MRAHPDR9236TN (4 PANEL)	MRAHPDR9636TN (4 PANEL)	MRAHPDR100/20S236TN (4 PANEL)	MRAHPDR10236TN (4 PANEL)
		MRAHPDR7640TN	MRAHPDR8240TN (4 PANEL)	MRAHPDR8640TN (4 PANEL)	MRAHPDR9240TN (4 PANEL)	MRAHPDR9640TN (4 PANEL)	MRAHPDR100/20S240TN (4 PANEL)	MRAHPDR10240TN (4 PANEL)
		MRAHPDR7644TN	MRAHPDR8244TN (4 PANEL)	MRAHPDR8644TN (4 PANEL)	MRAHPDR9244TN (4 PANEL)	MRAHPDR9644TN (4 PANEL)	MRAHPDR100/20S244TN (4 PANEL)	MRAHPDR10244TN (4 PANEL)
		MRAHPDR7648TN	MRAHPDR8248TN (4 PANEL)	MRAHPDR8648TN (4 PANEL)	MRAHPDR9248TN (4 PANEL)	MRAHPDR9648TN (4 PANEL)	MRAHPDR100/20S248TN (4 PANEL)	MRAHPDR10248TN (4 PANEL)
		MRAHPDR7652TN	MRAHPDR8252TN (4 PANEL)	MRAHPDR8652TN (4 PANEL)	MRAHPDR9252TN (4 PANEL)	MRAHPDR9652TN (4 PANEL)	MRAHPDR100/20S252TN (4 PANEL)	MRAHPDR10252TN (4 PANEL)
		MRAHPDR7656TN	MRAHPDR8256TN (4 PANEL)	MRAHPDR8656TN (4 PANEL)	MRAHPDR9256TN (4 PANEL)	MRAHPDR9656TN (4 PANEL)	MRAHPDR100/20S256TN (4 PANEL)	MRAHPDR10256TN (4 PANEL)
		MRAHPDR7660TN	MRAHPDR8260TN (4 PANEL)	MRAHPDR8660TN (4 PANEL)	MRAHPDR9260TN (4 PANEL)	MRAHPDR9660TN (4 PANEL)	MRAHPDR100/20S260TN (4 PANEL)	MRAHPDR10260TN (4 PANEL)
		MRAHPDR7664TN	MRAHPDR8264TN (4 PANEL)	MRAHPDR8664TN (4 PANEL)	MRAHPDR9264TN (4 PANEL)	MRAHPDR9664TN (4 PANEL)	MRAHPDR100/20S264TN (4 PANEL)	MRAHPDR10264TN (4 PANEL)
		MRAHPDR7668TN	MRAHPDR8268TN (4 PANEL)	MRAHPDR8668TN (4 PANEL)	MRAHPDR9268TN (4 PANEL)	MRAHPDR9668TN (4 PANEL)	MRAHPDR100/20S268TN (4 PANEL)	MRAHPDR10268TN (4 PANEL)
		MRAHPDR7672TN	MRAHPDR8272TN (4 PANEL)	MRAHPDR8672TN (4 PANEL)	MRAHPDR9272TN (4 PANEL)	MRAHPDR9672TN (4 PANEL)	MRAHPDR100/20S272TN (4 PANEL)	MRAHPDR10272TN (4 PANEL)
		MRAHPDR7676TN	MRAHPDR8276TN (4 PANEL)	MRAHPDR8676TN (4 PANEL)	MRAHPDR9276TN (4 PANEL)	MRAHPDR9676TN (4 PANEL)	MRAHPDR100/20S276TN (4 PANEL)	MRAHPDR10276TN (4 PANEL)
		MRAHPDR7680TN	MRAHPDR8280TN (4 PANEL)	MRAHPDR8680TN (4 PANEL)	MRAHPDR9280TN (4 PANEL)	MRAHPDR9680TN (4 PANEL)	MRAHPDR100/20S280TN (4 PANEL)	MRAHPDR10280TN (4 PANEL)
		MRAHPDR7684TN	MRAHPDR8284TN (4 PANEL)	MRAHPDR8684TN (4 PANEL)	MRAHPDR9284TN (4 PANEL)	MRAHPDR9684TN (4 PANEL)	MRAHPDR100/20S284TN (4 PANEL)	MRAHPDR10284TN (4 PANEL)
		MRAHPDR7688TN	MRAHPDR8288TN (4 PANEL)	MRAHPDR8688TN (4 PANEL)	MRAHPDR9288TN (4 PANEL)	MRAHPDR9688TN (4 PANEL)	MRAHPDR100/20S288TN (4 PANEL)	MRAHPDR10288TN (4 PANEL)
		MRAHPDR7692TN	MRAHPDR8292TN (4 PANEL)	MRAHPDR8692TN (4 PANEL)	MRAHPDR9292TN (4 PANEL)	MRAHPDR9692TN (4 PANEL)	MRAHPDR100/20S292TN (4 PANEL)	MRAHPDR10292TN (4 PANEL)
		MRAHPDR7696TN	MRAHPDR8296TN (4 PANEL)	MRAHPDR8696TN (4 PANEL)	MRAHPDR9296TN (4 PANEL)	MRAHPDR9696TN (4 PANEL)	MRAHPDR100/20S296TN (4 PANEL)	MRAHPDR10296TN (4 PANEL)
		MRAHPDR7700TN	MRAHPDR8300TN (4 PANEL)	MRAHPDR8700TN (4 PANEL)	MRAHPDR9300TN (4 PANEL)	MRAHPDR9700TN (4 PANEL)	MRAHPDR100/20S300TN (4 PANEL)	MRAHPDR10300TN (4 PANEL)
		MRAHPDR7704TN	MRAHPDR8304TN (4 PANEL)	MRAHPDR8704TN (4 PANEL)	MRAHPDR9304TN (4 PANEL)	MRAHPDR9704TN (4 PANEL)	MRAHPDR100/20S304TN (4 PANEL)	MRAHPDR10304TN (4 PANEL)
		MRAHPDR7708TN	MRAHPDR8308TN (4 PANEL)	MRAHPDR8708TN (4 PANEL)	MRAHPDR9308TN (4 PANEL)	MRAHPDR9708TN (4 PANEL)	MRAHPDR100/20S308TN (4 PANEL)	MRAHPDR10308TN (4 PANEL)
		MRAHPDR7712TN	MRAHPDR8312TN (4 PANEL)	MRAHPDR8712TN (4 PANEL)	MRAHPDR9312TN (4 PANEL)	MRAHPDR9712TN (4 PANEL)	MRAHPDR100/20S312TN (4 PANEL)	MRAHPDR10312TN (4 PANEL)
		MRAHPDR7716TN	MRAHPDR8316TN (4 PANEL)	MRAHPDR8716TN (4 PANEL)	MRAHPDR9316TN (4 PANEL)	MRAHPDR9716TN (4 PANEL)	MRAHPDR100/20S316TN (4 PANEL)	MRAHPDR10316TN (4 PANEL)
		MRAHPDR7720TN	MRAHPDR8320TN (4 PANEL)	MRAHPDR8720TN (4 PANEL)	MRAHPDR9320TN (4 PANEL)	MRAHPDR9720TN (4 PANEL)	MRAHPDR100/20S320TN (4 PANEL	

Hinged Doors – 4-Panel Arch Transom Units

		Arch Transom Widths				
		7'-10 9/16"	8'-6 9/16"	8'-10 9/16"	9'-6 9/16"	9'-10 9/16"
		7'-11 9/16"	8'-7 9/16"	8'-11 9/16"	9'-7 9/16"	9'-11 9/16"
		7-4	8-0	8-4	9-0	9-4
Heights	Unit Dimension Rough Opening Call Size					
	0-6	 MRAHPDR7406AH 1'-11 1/8" 1'-11 5/8"	 MRAHPDR8006AH 2'-0 1/2" 2'-1"	 MRAHPDR8406AH 2'-1 1/8" 2'-1 5/8"	 MRAHPDR9006AH 2'-2 1/2" 2'-3"	 MRAHPDR9406AH 2'-3 1/8" 2'-3 5/8"
	0-10	 MRAHPDR74010AH 2'-3 1/8" 2'-3 5/8"	 MRAHPDR80010AH 2'-4 1/2" 2'-5"	 MRAHPDR84010AH 2'-5 1/8" 2'-5 5/8"	 MRAHPDR90010AH 2'-6 1/2" 2'-7"	 MRAHPDR94010AH 2'-7 1/8" 2'-7 5/8"
	1-0	 MRAHPDR7410AH 2'-5 1/8" 2'-5 5/8"	 MRAHPDR8010AH 2'-6 1/2" 2'-7"	 MRAHPDR8410AH 2'-7 1/8" 2'-7 5/8"	 MRAHPDR9010AH 2'-8 1/2" 2'-9"	 MRAHPDR9410AH 2'-9 1/8" 2'-9 5/8"
	1-2	 MRAHPDR7412AH 2'-7 1/8" 2'-7 5/8"	 MRAHPDR8012AH 2'-8 1/2" 2'-9"	 MRAHPDR8412AH 2'-9 1/8" 2'-9 5/8"	 MRAHPDR9012AH 2'-10 1/2" 2'-11"	 MRAHPDR9412AH 2'-11 1/8" 2'-11 5/8"
	2-0	 MRAHPDR7420AH 3'-5 1/8" 3'-5 5/8"	 MRAHPDR8020AH 3'-6 1/2" 3'-7"	 MRAHPDR8420AH 3'-7 1/8" 3'-7 5/8"	 MRAHPDR9020AH 3'-8 1/2" 3'-9 1/8"	 MRAHPDR9420AH 3'-9 1/8" 3'-9 5/8"
						

French Outswing Doors – 2- Panel Operating, Elliptical & Circle Head Units

		Widths			
		4'-2 3/8"	5'-2 3/8"	5'-6 3/8"	6'-2 3/8"
		4'-3 3/8"	5'-3 3/8"	5'-7 3/8"	6'-3 3/8"
		4-0	5-0	5-4	6-0
Heights	6'-7 1/2"	 MR AFHDR4068	 MR AFHDR5068	 MR AFHDR5468	 MR AFHDR6068
	6'-9 1/2"	 MR AFHDR40610	 MR AFHDR50610	 MR AFHDR54610	 MR AFHDR60610
	7'-1 1/2"	 MR AFHDR4072	 MR AFHDR5072	 MR AFHDR5472	 MR AFHDR6072
	7'-11 1/2"	 MR AFHDR4080	 MR AFHDR5080	 MR AFHDR5480	 MR AFHDR6080

		Circle Head Widths			
		4'-2 3/8"	5'-2 3/8"	5'-6 3/8"	6'-2 3/8"
		4'-3 3/8"	5'-3 3/8"	5'-7 3/8"	6'-3 3/8"
		4-0	5-0	5-4	6-0
		 MR AFHDR40ECH 2'-1 3/16" 2'-1 11/16"	 MR AFHDR50ECH 2'-7 3/16" 2'-7 11/16"	 MR AFHDR54ECH 2'-9 3/16" 2'-9 11/16"	 MR AFHDR60ECH 3'-1 3/16" 3'-1 11/16"
		 MR AFHDR40ECH	 MR AFHDR50ECH	 MR AFHDR54ECH	 MR AFHDR60ECH
		 MR AFHDR40ECH	 MR AFHDR50ECH	 MR AFHDR54ECH	 MR AFHDR60ECH
		 MR AFHDR40ECH	 MR AFHDR50ECH	 MR AFHDR54ECH	 MR AFHDR60ECH

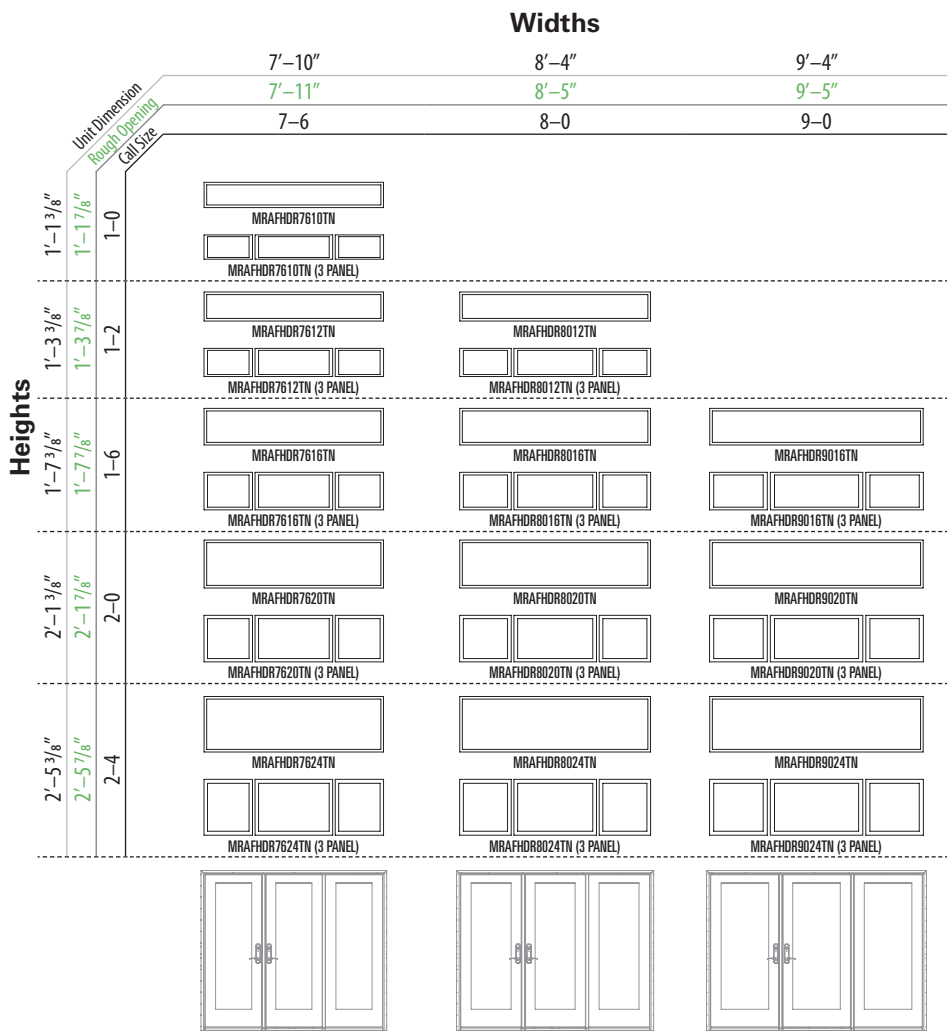
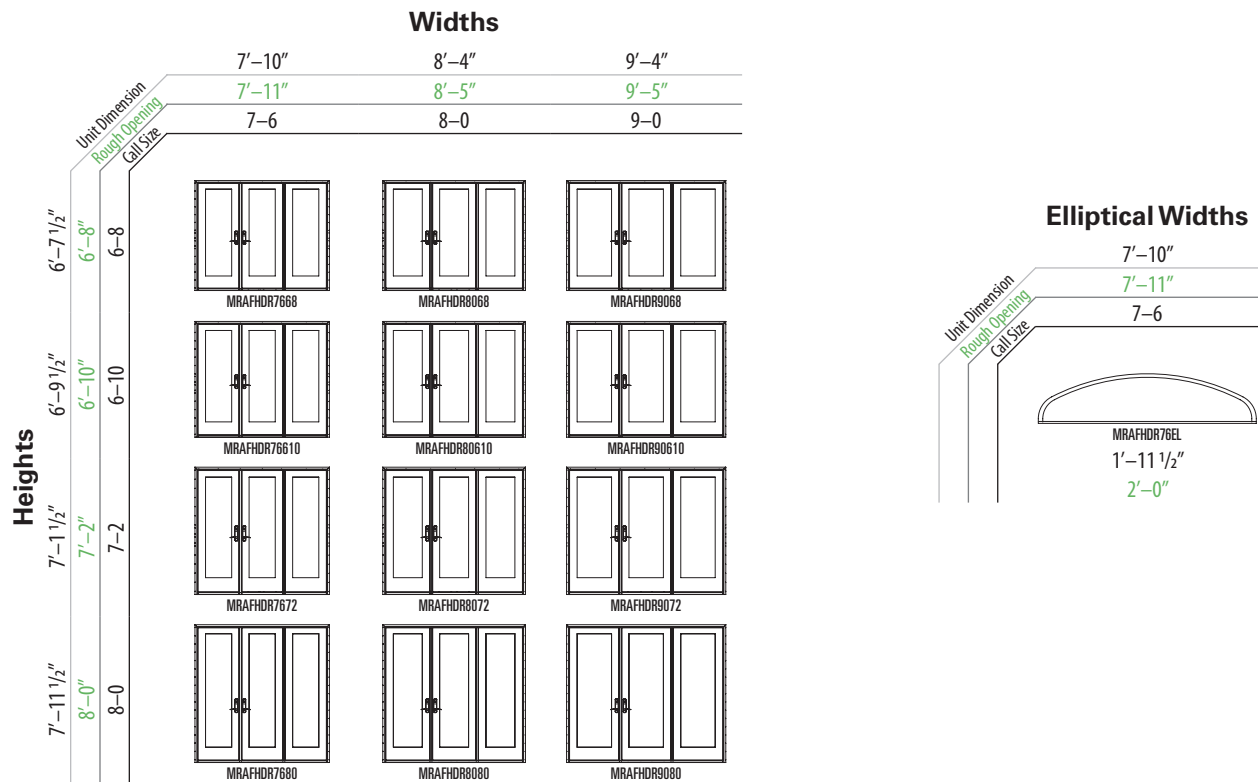
		Elliptical Widths			
		4'-2 3/8"	5'-2 3/8"	5'-6 3/8"	6'-2 3/8"
		4'-3 3/8"	5'-3 3/8"	5'-7 3/8"	6'-3 3/8"
		4-0	5-0	5-4	6-0
		 MR AFHDR40EL 1'-0 5/8" 1'-1 1/8"	 MR AFHDR50EL 1'-3 5/8" 1'-4 1/8"	 MR AFHDR54EL 1'-4 5/8" 1'-5 1/8"	 MR AFHDR60EL 1'-6 5/8" 1'-7 1/8"
		 MR AFHDR40EL	 MR AFHDR50EL	 MR AFHDR54EL	 MR AFHDR60EL
		 MR AFHDR40EL	 MR AFHDR50EL	 MR AFHDR54EL	 MR AFHDR60EL
		 MR AFHDR40EL	 MR AFHDR50EL	 MR AFHDR54EL	 MR AFHDR60EL

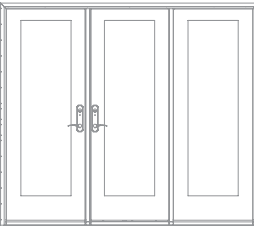
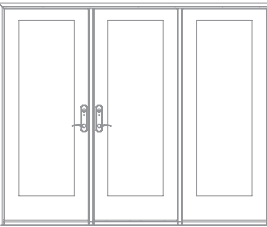
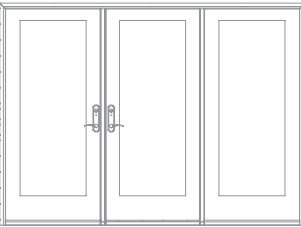
French Outswing Doors – 2- Panel Transom & Arch Transom Units

		Transom Widths		
		5'-2 3/8"	5'-6 3/8"	6'-2 3/8"
		5'-3 3/8"	5'-7 3/8"	6'-3 3/8"
		5-0	5-4	6-0
Heights	Unit Dimension Rough Opening Call Size			
	1'-1 3/8"	MRAFHDR5010TN MRAFHDR5010TN (2 PANEL)	MRAFHDR510TN MRAFHDR510TN (2 PANEL)	MRAFHDR6010TN MRAFHDR6010TN (2 PANEL)
	1'-3 3/8"	MRAFHDR5016TN MRAFHDR5016TN (2 PANEL)	MRAFHDR516TN MRAFHDR516TN (2 PANEL)	MRAFHDR6016TN MRAFHDR6016TN (2 PANEL)
	1'-7 3/8"	MRAFHDR5016TN MRAFHDR5016TN (2 PANEL)	MRAFHDR516TN MRAFHDR516TN (2 PANEL)	MRAFHDR6016TN MRAFHDR6016TN (2 PANEL)
	2'-1 3/8"	MRAFHDR5020TN MRAFHDR5020TN (2 PANEL)	MRAFHDR5420TN MRAFHDR5420TN (2 PANEL)	MRAFHDR6020TN MRAFHDR6020TN (2 PANEL)
	2'-5 3/8"	MRAFHDR5024TN MRAFHDR5024TN (2 PANEL)	MRAFHDR5424TN MRAFHDR5424TN (2 PANEL)	MRAFHDR6024TN MRAFHDR6024TN (2 PANEL)
	2'-9 3/8"	MRAFHDR5024TN MRAFHDR5024TN (2 PANEL)	MRAFHDR5424TN MRAFHDR5424TN (2 PANEL)	MRAFHDR6024TN MRAFHDR6024TN (2 PANEL)

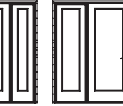
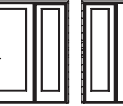
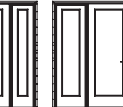
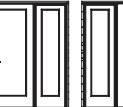
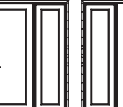
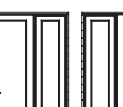
		Arch Transom Widths			
		4'-2 3/8"	5'-2 3/8"	5'-6 3/8"	6'-2 3/8"
		4'-3 3/8"	5'-3 3/8"	5'-7 3/8"	6'-3 3/8"
		4-0	5-0	5-4	6-0
Heights	Unit Dimension Rough Opening Call Size				
	0-6	MRAFHDR4006AHTN 1'-3 3/4" 1'-4 1/4"	MRAFHDR5006AHTN 1'-5 3/4" 1'-6 1/4"	MRAFHDR5406AHTN 1'-6 7/16" 1'-6 15/16"	MRAFHDR6006AHTN 1'-7 3/4" 1'-8 1/4"
	0-10	MRAFHDR40010AHTN 1'-7 3/4" 1'-8 1/4"	MRAFHDR50010AHTN 1'-9 3/4" 1'-10 1/4"	MRAFHDR54010AHTN 1'-10 7/16" 1'-10 15/16"	MRAFHDR60010AHTN 1'-11 3/4" 2'-0 1/4"
	1-0	MRAFHDR4010AHTN 1'-9 3/4" 1'-10 1/4"	MRAFHDR5010AHTN 1'-11 3/4" 2'-0 1/4"	MRAFHDR5410AHTN 2'-0 7/16" 2'-0 15/16"	MRAFHDR6010AHTN 2'-1 3/4" 2'-2 1/4"
	1-2	MRAFHDR4012AHTN 1'-11 3/4" 2'-0 1/4"	MRAFHDR5012AHTN 2'-1 3/4" 2'-2 1/4"	MRAFHDR5412AHTN 2'-2 7/16" 2'-2 15/16"	MRAFHDR6012AHTN 2'-3 3/4" 2'-4 1/4"
	1-6	MRAFHDR4016AHTN 2'-3 3/4" 2'-4 1/4"	MRAFHDR5016AHTN 2'-5 3/4" 2'-6 1/4"	MRAFHDR5416AHTN 2'-6 7/16" 2'-6 15/16"	MRAFHDR6016AHTN 2'-7 3/4" 2'-7 1/4"
	2-0	MRAFHDR4020AHTN 2'-9 3/4" 2'-10 1/4"	MRAFHDR5020AHTN 2'-11 3/4" 3'-0 1/4"	MRAFHDR5420AHTN 3'-0 7/16" 3'-0 15/16"	MRAFHDR6020AHTN 3'-1 3/4" 3'-2 1/4"

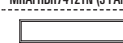
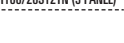
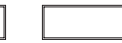
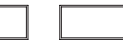
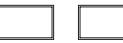
French Outswing Doors – 3- Panel Operating, Elliptical & Transom Units



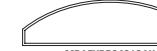
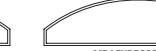
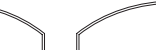
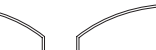
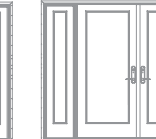
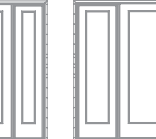
		Arch Transom Widths		
Heights	Unit height is listed first under individual windows Rough Opening height dimension is listed second under individual windows	7'-10"	8'-4"	9'-4"
		7'-11"	8'-5"	9'-5"
		7-6	8-0	9-0
		Unit Dimension Rough Opening Call Size		
0-6		 MRAFHDR7606AH 1'-11 1/16" 1'-11 9/16"	 MRAFHDR8006AH 2'-0 1/16" 2'-0 9/16"	 MRAFHDR9006AH 2'-2 1/16" 2'-2 9/16"
0-10		 MRAFHDR7610AH 2'-3 1/16" 2'-3 9/16"	 MRAFHDR8010AH 2'-4 1/16" 2'-4 9/16"	 MRAFHDR9010AH 2'-6 1/16" 2'-6 9/16"
1-0		 MRAFHDR7610AH 2'-5 1/16" 2'-5 9/16"	 MRAFHDR8010AH 2'-6 1/16" 2'-6 9/16"	 MRAFHDR9010AH 2'-8 1/16" 2'-8 9/16"
1-2		 MRAFHDR7612AH 2'-7 1/16" 2'-7 9/16"	 MRAFHDR8012AH 2'-8 1/16" 2'-8 9/16"	 MRAFHDR9012AH 2'-10 1/16" 2'-10 9/16"
2-0		 MRAFHDR7620AH 3'-5 1/16" 3'-5 9/16"	 MRAFHDR8020AH 3'-6 1/16" 3'-6 9/16"	 MRAFHDR9020AH 3'-8 1/16" 3'-8 9/16"
				

French Outswing Doors – 4- Panel Operating & Transom Units

		Widths							
Heights	Unit Dimension Rough Opening Call Size	7'-5 5/8"	7'-9 5/8"	8'-5 5/8"	8'-9 5/8"	9'-5 5/8"	9'-9 5/8"	10'-5 5/8"	10'-5 5/8"
		7'-7 5/8"	7'-11 5/8"	8'-7 5/8"	8'-10 5/8"	9'-6 5/8"	9'-10 5/8"	10'-6 5/8"	10'-6 5/8"
		7-0	7-4	8-0	8-4	9-0	9-4	10-0/20	10-0
		6'-7 1/2"	6'-8"	6'-8"	6'-8"	6'-8"	6'-8"	6'-8"	6'-8"
									
		MRAFHDR7068	MRAFHDR7468	MRAFHDR8068	MRAFHDR8468	MRAFHDR9068	MRAFHDR9468	MRAFHDR100/20S68	MRAFHDR10068
									
		MRAFHDR70610	MRAFHDR74610	MRAFHDR80610	MRAFHDR84610	MRAFHDR90610	MRAFHDR94610	MRAFHDR100/20S610	MRAFHDR100610
									
		MRAFHDR7072	MRAFHDR7472	MRAFHDR8072	MRAFHDR8472	MRAFHDR9072	MRAFHDR9472	MRAFHDR100/20S72	MRAFHDR10072
									
		MRAFHDR7080	MRAFHDR7480	MRAFHDR8080	MRAFHDR8480	MRAFHDR9080	MRAFHDR9480	MRAFHDR100/20S80	MRAFHDR10080

		Widths							
Heights	Unit Dimension Rough Opening Call Size	7'-5 5/8"	7'-9 5/8"	8'-5 5/8"	8'-9 5/8"	9'-5 5/8"	9'-9 5/8"	10'-5 5/8"	10'-5 5/8"
		7'-7 5/8"	7'-11 5/8"	8'-7 5/8"	8'-10 5/8"	9'-6 5/8"	9'-10 5/8"	10'-6 5/8"	10'-6 5/8"
		7-0	7-4	8-0	8-4	9-0	9-4	10-0/20	10-0
		1'-3 3/8"	1'-3 7/8"	1'-3 7/8"	1'-3 7/8"	1'-3 7/8"	1'-3 7/8"	1'-3 7/8"	1'-3 7/8"
									
		MRAFHDR7012TN (3 PANEL)	MRAFHDR7412TN (3 PANEL)	MRAFHDR8012TN (3 PANEL)	MRAFHDR8412TN (3 PANEL)	MRAFHDR9012TN (3 PANEL)	MRAFHDR9412TN (3 PANEL)	MRAFHDR100/20S12TN (3 PANEL)	MRAFHDR10012TN (3 PANEL)
									
		MRAHPDR7016TN (3 PANEL)	MRAHPDR7416TN (3 PANEL)	MRAHPDR8016TN (3 PANEL)	MRAHPDR8416TN (3 PANEL)	MRAHPDR9016TN (3 PANEL)	MRAHPDR9416TN (3 PANEL)	MRAHPDR100/20S16TN (3 PANEL)	MRAHPDR10016TN (3 PANEL)
									
		MRAHPDR7020TN (3 PANEL)	MRAHPDR7420TN (3 PANEL)	MRAHPDR8020TN (3 PANEL)	MRAHPDR8420TN (3 PANEL)	MRAHPDR9020TN (3 PANEL)	MRAHPDR9420TN (3 PANEL)	MRAHPDR100/20S20TN (3 PANEL)	MRAHPDR10020TN (3 PANEL)
									
		MRAHPDR7024TN (3 PANEL)	MRAHPDR7424TN (3 PANEL)	MRAHPDR8024TN (3 PANEL)	MRAHPDR8424TN (3 PANEL)	MRAHPDR9024TN (3 PANEL)	MRAHPDR9424TN (3 PANEL)	MRAHPDR100/20S24TN (3 PANEL)	MRAHPDR10024TN (3 PANEL)
									
		MRAHPDR7024TN (3 PANEL)	MRAHPDR7424TN (3 PANEL)	MRAHPDR8024TN (3 PANEL)	MRAHPDR8424TN (3 PANEL)	MRAHPDR9024TN (3 PANEL)	MRAHPDR9424TN (3 PANEL)	MRAHPDR100/20S24TN (3 PANEL)	MRAHPDR10024TN (3 PANEL)

French Outswing Doors – 4- Panel Arch Transom Units

		Arch Transom Widths					
		7'-5 5/8"	7'-9 5/8"	8'-5 5/8"	8'-9 5/8"	9'-5 5/8"	9'-9 5/8"
		7'-6 5/8"	7'-10 5/8"	8'-6 5/8"	8'-10 5/8"	9'-6 5/8"	9'-10 5/8"
		7-0	7-4	8-0	8-4	9-0	9-4
Heights	Unit Dimension Rough Opening Call Size						
	0-6	 MRAFHDR7006AH 1'-10 5/16" 1'-10 13/16"	 MRAFHDR7406AH 1'-11" 1'-11 1/2"	 MRAFHDR8006AH 2'-0 5/16" 2'-0 13/16"	 MRAFHDR8406AH 2'-1" 2'-1 1/2"	 MRAFHDR9006AH 2'-2 5/16" 2'-2 13/16"	 MRAFHDR9406AH 2'-3" 2'-3 1/2"
	0-10	 MRAFHDR7010AH 2'-2 5/16" 2'-2 13/16"	 MRAFHDR7410AH 2'-3" 2'-3 1/2"	 MRAFHDR8010AH 2'-4 5/16" 2'-4 13/16"	 MRAFHDR8410AH 2'-5" 2'-5 1/2"	 MRAFHDR9010AH 2'-6 5/16" 2'-6 13/16"	 MRAFHDR9410AH 2'-7" 2'-7 1/2"
	1-0	 MRAFHDR7010AH 2'-4 5/16" 2'-4 13/16"	 MRAFHDR7410AH 2'-5" 2'-5 1/2"	 MRAFHDR8010AH 2'-6 5/16" 2'-6 13/16"	 MRAFHDR8410AH 2'-7" 2'-7 1/2"	 MRAFHDR9010AH 2'-8 5/16" 2'-8 13/16"	 MRAFHDR9410AH 2'-9" 2'-9 1/2"
	1-2	 MRAFHDR7012AH 2'-6 5/16" 2'-6 13/16"	 MRAFHDR7412AH 2'-7" 2'-7 1/2"	 MRAFHDR8012AH 2'-8 5/16" 2'-8 13/16"	 MRAFHDR8412AH 2'-9" 2'-9 1/2"	 MRAFHDR9012AH 2'-10 5/16" 2'-10 13/16"	 MRAFHDR9412AH 2'-11" 2'-11 1/2"
	1-6	 MRAFHDR7016AH 2'-10 5/16" 2'-10 13/16"	 MRAFHDR7416AH 2'-11" 2'-11 1/2"	 MRAFHDR8016AH 3'-0 5/16" 3'-0 13/16"	 MRAFHDR8416AH 3'-1" 3'-1 1/2"	 MRAFHDR9016AH 3'-2 5/16" 3'-2 13/16"	 MRAFHDR9416AH 3'-3" 3'-3 1/2"
	2-0	 MRAFHDR7020AH 3'-4 5/16" 3'-4 13/16"	 MRAFHDR7420AH 3'-5" 3'-5 1/2"	 MRAFHDR8020AH 3'-6 5/16" 3'-6 13/16"	 MRAFHDR8420AH 3'-7" 3'-7 1/2"	 MRAFHDR9020AH 3'-8 5/16" 3'-8 13/16"	 MRAFHDR9420AH 3'-9" 3'-9 1/2"
Unit height is listed first under individual windows Rough Opening height dimension is listed second under individual windows							

French Inswing Doors – 2- Panel Operating, Transoms, Elliptical & Circle Head Units

Circle Head Widths

Unit Dimension	4'-2 7/16"	5'-2 7/16"	5'-6 7/16"	6'-2 7/16"
Rough Opening	4'-3 7/16"	5'-3 7/16"	5'-7 7/16"	6'-3 7/16"
Call Size	4-0	5-0	5-4	6-0
MRAFHDR40ECH	MRAFHDR50ECH	MRAFHDR54ECH	MRAFHDR60ECH	
2'-1 1/4"	2'-7 1/4"	2'-9 1/4"	3'-1 1/4"	
2'-2 3/4"	2'-7 3/4"	2'-9 3/4"	3'-1 3/4"	

Elliptical Widths

Unit Dimension	4'-2 7/16"	5'-2 7/16"	5'-6 7/16"	6'-2 7/16"
Rough Opening	4'-3 7/16"	5'-3 7/16"	5'-7 7/16"	6'-3 7/16"
Call Size	4-0	5-0	5-4	6-0
MRAFHDR40EL	MRAFHDR50EL	MRAFHDR54EL	MRAFHDR60EL	
1'-0 5/8"	1'-3 5/8"	1'-4 5/8"	1'-6 5/8"	
1'-1 1/8"	1'-4 1/8"	1'-5 1/8"	1'-7 1/8"	

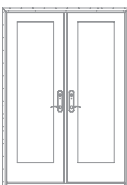
Widths

Unit Dimension	4'-2 7/16"	5'-2 7/16"	5'-6 7/16"	6'-2 7/16"
Rough Opening	4'-3 7/16"	5'-3 7/16"	5'-7 7/16"	6'-3 7/16"
Call Size	4-0	5-0	5-4	6-0
6'-7 1/2"				
6'-8"	MRAFHDR4068	MRAFHDR5068	MRAFHDR5468	MRAFHDR6068
6'-9 1/2"				
6'-10"	MRAFHDR40610	MRAFHDR50610	MRAFHDR54610	MRAFHDR60610
7'-1 1/2"				
7'-2"	MRAFHDR4072	MRAFHDR5072	MRAFHDR5472	MRAFHDR6072
7'-11 1/2"				
8'-0"	MRAFHDR4080	MRAFHDR5080	MRAFHDR5480	MRAFHDR6080

Transom Widths

Unit Dimension	4'-2 7/16"	5'-2 7/16"	5'-6 7/16"	6'-2 7/16"
Rough Opening	4'-3 7/16"	5'-3 7/16"	5'-7 7/16"	6'-3 7/16"
Call Size	4-0	5-0	5-4	6-0
1'-1 3/8"				
1'-0	MRAFHDR4010TN	MRAFHDR5010TN	MRAFHDR5410TN	MRAFHDR6010TN
1'-1 7/8"	MRAFHDR4010TN (2 PANEL)	MRAFHDR5010TN (2 PANEL)	MRAFHDR5410TN (2 PANEL)	MRAFHDR6010TN (2 PANEL)
1'-3 3/8"				
1'-2	MRAFHDR4012TN	MRAFHDR5012TN	MRAFHDR5412TN	MRAFHDR6012TN
1'-3 7/8"	MRAFHDR4012TN (2 PANEL)	MRAFHDR5012TN (2 PANEL)	MRAFHDR5412TN (2 PANEL)	MRAFHDR6012TN (2 PANEL)
1'-7 3/8"				
1'-6	MRAFHDR4016TN	MRAFHDR5016TN	MRAFHDR5416TN	MRAFHDR6016TN
1'-7 7/8"	MRAFHDR4016TN (2 PANEL)	MRAFHDR5016TN (2 PANEL)	MRAFHDR5416TN (2 PANEL)	MRAFHDR6016TN (2 PANEL)
2'-1 3/8"				
2'-0	MRAFHDR4020TN	MRAFHDR5020TN	MRAFHDR5420TN	MRAFHDR6020TN
2'-1 7/8"	MRAFHDR4020TN (2 PANEL)	MRAFHDR5020TN (2 PANEL)	MRAFHDR5420TN (2 PANEL)	MRAFHDR6020TN (2 PANEL)
2'-5 3/8"				
2'-4	MRAFHDR4024TN	MRAFHDR5024TN	MRAFHDR5424TN	MRAFHDR6024TN
2'-5 7/8"	MRAFHDR4024TN (2 PANEL)	MRAFHDR5024TN (2 PANEL)	MRAFHDR5424TN (2 PANEL)	MRAFHDR6024TN (2 PANEL)

French Inswing Doors – 2- Panel Arch Transom Units

		Arch Transom Widths			
		4'-2 7/16"	5'-2 7/16"	5'-6 7/16"	6'-2 7/16"
		4'-3 7/16"	5'-3 7/16"	5'-7 7/16"	6'-3 7/16"
		4-0	5-0	5-4	6-0
Heights	Unit Dimension Rough Opening Call Size				
	0-6	 MRAFHDR4006AHTN 1'-3 13/16" 1'-4 5/16"	 MRAFHDR5006AHTN 1'-5 3/4" 1'-6 1/4"	 MRAFHDR5406AHTN 1'-6 7/16" 1'-6 15/16"	 MRAFHDR6006AHTN 1'-7 3/4" 1'-8 1/4"
	0-10	 MRAFHDR40010AHTN 1'-7 13/16" 1'-8 5/16"	 MRAFHDR50010AHTN 1'-9 3/4" 1'-10 1/4"	 MRAFHDR54010AHTN 1'-10 7/16" 1'-10 15/16"	 MRAFHDR60010AHTN 1'-11 3/4" 2'-0 1/4"
	1-0	 MRAFHDR4010AHTN 1'-9 13/16" 1'-10 5/16"	 MRAFHDR5010AHTN 1'-11 3/4" 2'-0 1/4"	 MRAFHDR5410AHTN 2'-0 7/16" 2'-0 15/16"	 MRAFHDR6010AHTN 2'-1 3/4" 2'-2 1/4"
	1-2	 MRAFHDR4012AHTN 1'-11 13/16" 2'-0 5/16"	 MRAFHDR5012AHTN 2'-1 3/4" 2'-2 1/4"	 MRAFHDR5412AHTN 2'-2 7/16" 2'-2 15/16"	 MRAFHDR6012AHTN 2'-3 3/4" 2'-4 1/4"
	1-6	 MRAFHDR4016AHTN 2'-3 13/16" 2'-4 5/16"	 MRAFHDR4016AHTN 2'-5 3/4" 2'-6 1/4"	 MRAFHDR5416AHTN 2'-6 7/16" 2'-6 15/16"	 MRAFHDR6016AHTN 2'-7 3/4" 2'-8 1/4"
	2-0	 MRAFHDR4020AHTN 2'-9 13/16" 2'-10 5/16"	 MRAFHDR5020AHTN 2'-11 3/4" 3'-0 1/4"	 MRAFHDR5420AHTN 2'-0 7/16" 2'-0 15/16"	 MRAFHDR6020AHTN 3'-1 3/4" 3'-2 1/4"
					

French Inswing Doors – 3- Panel Operating, Elliptical & Transom Units

Unit Dimension

Rough Opening

Call Size

7'-10 1/16"

7'-11 1/16"

7-6

MRAFHDR76EL

1'-11 1/2"

2'-0"

Widths

7'-10 1/16"

8'-4 1/16"

9'-4 1/16"

7'-11 1/16"

8'-5 1/16"

9'-5 1/16"

7-4

8-0

9-0

Unit Dimension

Rough Opening

Call Size

6'-7 1/2"

6'-8"

6-8

MRAFHDR7668

MRAFHDR8068

MRAFHDR9068

6'-9 1/2"

6'-10"

6-10

MRAFHDR7610

MRAFHDR8010

MRAFHDR9010

7'-1 1/2"

7'-2"

7-2

MRAFHDR7672

MRAFHDR8072

MRAFHDR9072

7'-11 1/2"

8'-0"

8-0

MRAFHDR7680

MRAFHDR8080

MRAFHDR9080

Heights

Transom Widths

7'-10 1/16"

8'-4 1/16"

9'-4 1/16"

7'-11 1/16"

8'-5 1/16"

9'-5 1/16"

7-6

8-0

9-0

Unit Dimension

Rough Opening

Call Size

1'-1 3/8"

1'-1 7/8"

1-0

MRAFHDR7610TN

MRAFHDR7610TN (2 PANEL)

1'-3 3/8"

1'-3 7/8"

1-2

MRAFHDR7612TN

MRAFHDR8012TN

MRAFHDR7612TN (2 PANEL)

MRAFHDR8012TN (2 PANEL)

1'-7 3/8"

1'-7 7/8"

1-6

MRAFHDR7616TN

MRAFHDR8016TN

MRAFHDR9016TN

MRAFHDR7616TN (2 PANEL)

MRAFHDR8016TN (2 PANEL)

MRAFHDR9016TN (2 PANEL)

2'-1 3/8"

2'-1 7/8"

2-0

MRAFHDR7620TN

MRAFHDR8020TN

MRAFHDR9020TN

MRAFHDR7620TN (2 PANEL)

MRAFHDR8020TN (2 PANEL)

MRAFHDR9020TN (2 PANEL)

2'-5 3/8"

2'-5 7/8"

2-4

MRAFHDR7624TN

MRAFHDR8024TN

MRAFHDR9024TN

MRAFHDR7624TN (2 PANEL)

MRAFHDR8024TN (2 PANEL)

MRAFHDR9024TN (2 PANEL)

Heights

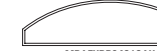
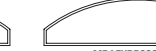
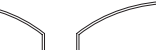
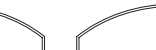
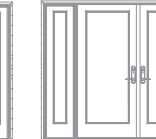
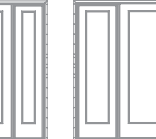
		Arch Transom Widths		
		7'-10 1/16"	8'-4 1/16"	9'-4 1/16"
		7'-11 1/16"	8'-5 1/16"	9'-5 1/16"
		7-6	8-0	9-0
Heights	Unit Dimension			
	Rough Opening			
	Call Size			
	0-6	 MRAFHDR7606AH 1'-11 1/16" 1'-11 9/16"	 MRAFHDR7606AH 2'-0 1/16" 2'-0 9/16"	 MRAFHDR7606AH 2'-2 1/16" 2'-2 9/16"
	0-10	 MRAFHDR76010AH 2'-3 1/16" 2'-3 9/16"	 MRAFHDR76010AH 2'-4 1/16" 2'-4 9/16"	 MRAFHDR76010AH 2'-6 1/16" 2'-6 9/16"
	1-0	 MRAFHDR7610AH 2'-5 1/16" 2'-5 9/16"	 MRAFHDR7610AH 2'-6 1/16" 2'-6 9/16"	 MRAFHDR7610AH 2'-8 1/16" 2'-8 9/16"
	1-2	 MRAFHDR7612AH 2'-7 1/16" 2'-7 9/16"	 MRAFHDR7612AH 2'-8 1/16" 2'-8 9/16"	 MRAFHDR7612AH 2'-10 1/16" 2'-10 9/16"
	2-0	 MRAFHDR7620AH 3'-5 1/16" 3'-5 9/16"	 MRAFHDR7620AH 3'-6 1/16" 3'-6 9/16"	 MRAFHDR7620AH 3'-8 1/16" 3'-8 9/16"
				

French Inswing Doors – 4-Panel Operating & Transom Units

		Widths							
		7'-5 11/16"	7'-9 11/16"	8'-5 11/16"	8'-9 11/16"	9'-5 11/16"	9'-9 11/16"	10'-5 11/16"	10'-5 11/16"
		7'-7 3/16"	7'-11 3/16"	8'-7 3/16"	8'-11 3/16"	9'-7 3/16"	9'-11 3/16"	10'-7 3/16"	10'-7 3/16"
		7-0	7-4	8-0	8-4	9-0	9-4	10-0/20	10-0
Heights	Unit Dimension Rough Opening Call Size								
	6'-7 1/2"								
	6'-8"								
	6'-10"								
Heights	6'-9 1/2"								
	6'-10"								
	7'-1 1/2"								
	7'-2"								
Heights	7'-11 1/2"								
	8'-0"								
	8'-0"								
	8'-0"								
		MRAFHDR7068	MRAFHDR7068	MRAFHDR8068	MRAFHDR8468	MRAFHDR9068	MRAFHDR9468	MRAFHDR100/20S68	MRAFHDR10068
		MRAFHDR70610	MRAFHDR74610	MRAFHDR80610	MRAFHDR84610	MRAFHDR90610	MRAFHDR94610	MRAFHDR100/20S610	MRAFHDR100610
		MRAFHDR7072	MRAFHDR7472	MRAFHDR8072	MRAFHDR8472	MRAFHDR9072	MRAFHDR9472	MRAFHDR100/20S72	MRAFHDR10072
		MRAFHDR7080	MRAFHDR7480	MRAFHDR8080	MRAFHDR8480	MRAFHDR9080	MRAFHDR9480	MRAFHDR100/20S80	MRAFHDR10080

		Widths					
		7'-5 11/16"	7'-9 11/16"	8'-5 11/16"	8'-9 11/16"	9'-5 11/16"	9'-9 11/16"
		7'-7 3/16"	7'-10 3/16"	8'-6 3/16"	8'-11 3/16"	9'-7 3/16"	9'-11 3/16"
		7-0	7-4	8-0	8-4	9-0	9-4
Heights	Unit Dimension Rough Opening Call Size						
	1'-3 3/8"						
	1'-3 3/8"						
	1'-6"						
Heights	1'-7 3/8"						
	1'-7 3/8"						
	1'-7 3/8"						
	1'-6"						
Heights	2'-1 3/8"						
	2'-1 3/8"						
	2'-1 3/8"						
	2-0						
Heights	2'-5 3/8"						
	2'-5 3/8"						
	2'-5 3/8"						
	2-4						
		MRAFHDR7012TN	MRAFHDR7412TN	MRAFHDR8012TN	MRAFHDR8412TN		
		MRAFHDR7012TN (3 PANEL)	MRAFHDR7412TN (3 PANEL)	MRAFHDR8012TN (3 PANEL)	MRAFHDR8412TN (3 PANEL)	MRAFHDR9012TN (3 PANEL)	MRAFHDR9412TN (3 PANEL)
		MRAHPDR7016TN	MRAHPDR7416TN	MRAHPDR8016TN	MRAHPDR8416TN	MRAHPDR9016TN	MRAHPDR9416TN
		MRAHPDR7016TN (3 PANEL)	MRAHPDR7416TN (3 PANEL)	MRAHPDR8016TN (3 PANEL)	MRAHPDR8416TN (3 PANEL)	MRAHPDR9016TN (3 PANEL)	MRAHPDR9416TN (3 PANEL)
		MRAHPDR7020TN	MRAHPDR7420TN	MRAHPDR8020TN	MRAHPDR8420TN	MRAHPDR9020TN	MRAHPDR9420TN
		MRAHPDR7020TN (3 PANEL)	MRAHPDR7420TN (3 PANEL)	MRAHPDR8020TN (3 PANEL)	MRAHPDR8420TN (3 PANEL)	MRAHPDR9020TN (3 PANEL)	MRAHPDR9420TN (3 PANEL)
		MRAHPDR7024TN	MRAHPDR7424TN	MRAHPDR8024TN	MRAHPDR8424TN	MRAHPDR9024TN	MRAHPDR9424TN
		MRAHPDR7024TN (3 PANEL)	MRAHPDR7424TN (3 PANEL)	MRAHPDR8024TN (3 PANEL)	MRAHPDR8424TN (3 PANEL)	MRAHPDR9024TN (3 PANEL)	MRAHPDR9424TN (3 PANEL)

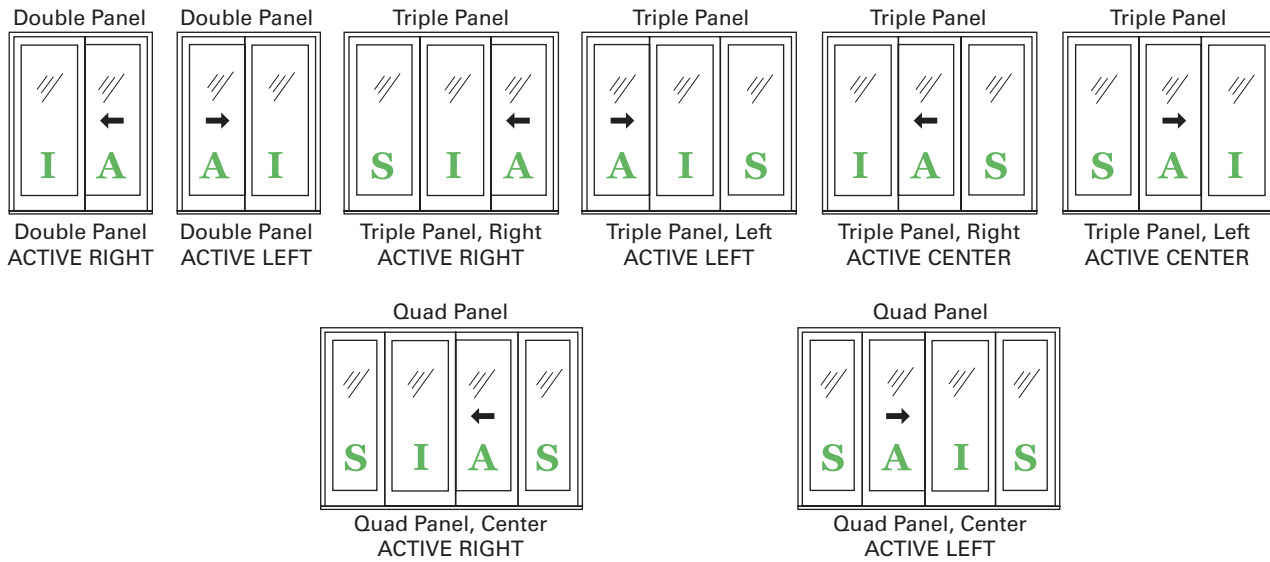
French Inswing Doors – 4-Panel Arch Transom Units

		Arch Transom Widths					
		7'-5 11/16"	7'-9 11/16"	8'-5 11/16"	8'-9 11/16"	9'-5 11/16"	9'-10 11/16"
		7'-6 3/16"	7'-10 3/16"	8'-6 3/16"	8'-10 3/16"	9'-6 3/16"	9'-11 3/16"
		7-0	7-4	8-0	8-4	9-0	9-4
Heights	Unit Dimension Rough Opening Call Size						
	0-6	 MRAFHDR7006AH 1'-0 5/16" 1'-10 13/16"	 MRAFHDR7406AH 1'-11" 1'-11 1/2"	 MRAFHDR8006AH 2'-0 5/16" 2'-0 13/16"	 MRAFHDR8406AH 2'-1" 2'-1 1/2"	 MRAFHDR9006AH 2'-2 5/16" 2'-2 13/16"	 MRAFHDR9406AH 2'-3" 2'-3 1/2"
	0-10	 MRAFHDR7010AH 2'-2 5/16" 2'-2 13/16"	 MRAFHDR7410AH 2'-3" 2'-3 1/2"	 MRAFHDR8010AH 2'-4 5/16" 2'-4 13/16"	 MRAFHDR8410AH 2'-5" 2'-5 1/2"	 MRAFHDR9010AH 2'-6 5/16" 2'-6 13/16"	 MRAFHDR9410AH 2'-7" 2'-7 1/2"
	1-0	 MRAFHDR7010AH 2'-4 5/16" 2'-4 13/16"	 MRAFHDR7410AH 2'-5" 2'-5 1/2"	 MRAFHDR8010AH 2'-6 5/16" 2'-6 13/16"	 MRAFHDR8410AH 2'-7" 2'-7 1/2"	 MRAFHDR9010AH 2'-8 5/16" 2'-8 13/16"	 MRAFHDR9410AH 2'-9" 2'-9 1/2"
	1-2	 MRAFHDR7012AH 2'-6 5/16" 2'-6 13/16"	 MRAFHDR7412AH 2'-7" 2'-7 1/2"	 MRAFHDR8012AH 2'-8 5/16" 2'-8 13/16"	 MRAFHDR8412AH 2'-9" 2'-9 1/2"	 MRAFHDR9012AH 2'-10 5/16" 2'-10 13/16"	 MRAFHDR9412AH 2'-11" 2'-11 1/2"
	1-6	 MRAFHDR7016AH 2'-10 5/16" 2'-10 13/16"	 MRAFHDR7416AH 2'-11" 2'-11 1/2"	 MRAFHDR8016AH 3'-0 5/16" 3'-0 13/16"	 MRAFHDR8416AH 3'-1" 3'-1 1/2"	 MRAFHDR9016AH 3'-2 5/16" 3'-2 13/16"	 MRAFHDR9416AH 3'-3" 3'-3 1/2"
	2-0	 MRAFHDR7020AH 3'-4 5/16" 3'-4 13/16"	 MRAFHDR7420AH 3'-5" 3'-5 1/2"	 MRAFHDR8020AH 3'-6 5/16" 3'-6 13/16"	 MRAFHDR8420AH 3'-7" 3'-7 1/2"	 MRAFHDR9020AH 3'-8 5/16" 3'-8 13/16"	 MRAFHDR9420AH 3'-9" 3'-9 1/2"
							

Bi-Parting & Fixed Sliding Door – Net Clear & Daylight Opening Dimensions

DOOR OPERATION CONFIGURATION OPTIONS

EXTERIOR VIEW OF DOORS



I=inactive panel

S=Fixed panel

A=active panel.

Bi-Parting Sliding Door

Call Size	Number of Panels	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
10068 N	4	42.25	75.75	11.80	16.5
100610 N	4	42.25	77.75	12.11	17.1
10072 N	4	42.25	81.75	12.74	18.1
10080 N	4	42.25	91.75	14.30	20.7
12068 S	4	57.25	75.75	14.96	21.7
120610 S	4	57.25	77.75	15.35	22.4
12072 S	4	57.25	81.75	16.14	23.8
12080 S	4	57.25	91.75	18.12	27.3
16068 E	4	81.25	75.75	21.27	32.2
160610 E	4	81.25	77.75	21.83	33.2
16072 E	4	81.25	81.75	22.96	35.3
16080 E	4	81.25	91.75	25.76	40.4

Fixed Panel Units

Call Size	Daylight Opening S.F.
1668	3.0
16610	3.1
1672	3.3
1680	3.8
2068	5.7
20610	5.8
2072	6.2
2080	7.1
2668	8.3
26610	8.5
2672	9.1
2680	10.4
2868	9.1
28610	9.4
2872	10.0
2880	11.5
3068	10.9
30610	11.2
3072	11.9
3080	13.7
4068	16.1
40610	16.6
4072	17.6
4080	20.2

Door Units

Call Size	Number of Panels	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
5068	2	22.922	75.75	12.06	16.5
50610	2	22.922	77.75	12.38	17.1
5072	2	22.922	81.75	13.01	18.1
5080	2	22.922	91.75	14.60	20.7
5468	2	24.922	75.75	13.11	18.3
54610	2	24.922	77.75	13.46	18.8
5472	2	24.922	81.75	14.15	20.0
5480	2	24.922	91.75	15.88	22.9
6068	2	28.922	75.75	15.21	21.7
60610	2	28.922	77.75	15.62	22.4
6072	2	28.922	81.75	16.42	23.8
6080	2	28.922	91.75	18.43	27.3
8068	2	40.922	75.75	21.53	32.2
80610	2	40.922	77.75	22.10	33.2
8072	2	40.922	81.75	23.23	35.3
8080	2	40.922	91.75	26.07	40.4
7668	3	22.922	75.75	12.06	24.8
76610	3	22.922	77.75	12.38	25.6
7672	3	22.922	81.75	13.01	27.2
7680	3	22.922	91.75	14.61	31.1
8068	3	24.922	75.75	13.11	27.4
80610	3	24.922	77.75	13.46	28.3
8072	3	24.922	81.75	14.15	50.0
8080	3	24.922	91.75	15.88	34.4
9068	3	28.922	75.75	15.21	32.6
90610	3	28.922	77.75	15.62	33.7
9072	3	28.922	81.75	16.42	35.7
9080	3	28.922	91.75	18.43	41.0
7468	4	22.922	75.75	13.11	25.2
74610	4	22.922	77.75	13.46	26.0

Call Size	Number of Panels	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
7472	4	22.922	81.75	14.15	27.6
7480	4	22.922	91.75	15.88	31.7
8068	4	28.922	75.75	15.21	28.7
80610	4	28.922	77.75	15.62	29.6
8072	4	28.922	81.75	16.42	31.5
8080	4	28.922	91.75	18.43	36.0
8468	4	24.922	75.75	13.11	24.4
84610	4	24.922	77.75	13.46	25.1
8472	4	24.922	81.75	14.15	26.7
8480	4	24.922	91.75	15.88	30.6
9068	4	28.922	75.75	15.21	27.8
90610	4	28.922	77.75	15.62	28.7
9072	4	28.922	81.75	16.42	30.5
9080	4	28.922	91.75	18.43	34.9
9468	4	24.922	75.75	13.11	29.6
94610	4	24.922	77.75	13.46	30.5
9472	4	24.922	81.75	14.15	32.4
9480	4	24.922	91.75	15.88	37.1
10068 N	4	40.922	75.75	21.53	39.1
100610 N	4	40.922	77.75	22.09	40.4
10072 N	4	40.922	81.75	23.23	42.9
10080 N	4	40.922	91.75	26.07	49.1
10068 S	4	28.922	75.75	15.21	33.1
100610 S	4	28.922	77.75	15.62	34.1
10072 S	4	28.922	81.75	16.42	36.2
10080 S	4	28.922	91.75	18.43	41.5
10068 E	4	22.922	75.75	12.06	33.1
100610 E	4	22.922	77.75	12.38	34.1
10072 E	4	22.922	81.75	13.01	36.2
10080 E	4	22.922	91.75	14.60	41.5

French Outswing Door – Net Clear & Daylight Opening Dimensions

Single

Call Size	Number of Panels	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
2668	1	29.126	76.546	15.48	16.7
26610	1	29.126	78.546	15.89	17.3
2672	1	29.126	82.546	16.70	18.3
2680	1	29.126	92.546	18.72	21.0
2868	1	31.126	76.546	16.55	18.5
28610	1	31.188	78.546	16.98	19.1
2872	1	31.188	82.546	17.84	20.3
2880	1	31.126	92.546	20.00	23.2
3068	1	35.126	76.546	18.67	22.0
30610	1	35.126	78.546	19.16	22.7
3072	1	35.126	82.546	20.14	24.1
3080	1	35.126	92.546	22.57	27.6

French Twin

Call Size	Number of Panels	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
4068	2	23.188	76.546	12.33	11.5
40610	2	23.188	78.546	12.65	11.8
4072	2	23.188	82.546	13.29	12.5
4080	2	23.188	92.546	14.90	14.3
5068	2	29.126	76.546	15.48	16.7
50610	2	29.126	78.546	15.89	17.3
5072	2	29.126	82.546	16.70	18.3
5080	2	29.126	92.546	18.72	21.0
5468	2	31.126	76.546	16.55	18.5
54610	2	31.126	78.546	16.98	19.1
5472	2	31.126	82.546	17.84	20.3
5480	2	31.126	92.546	20.00	23.2
6068	2	35.126	76.546	18.67	22.0
60610	2	35.126	78.546	19.16	22.7
6072	2	35.126	82.546	20.14	24.1
6080	2	35.126	92.546	22.57	27.6

French Triple

Call Size	Number of Panels	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
7668	3	29.126	76.546	15.48	25.1
76610	3	29.126	78.546	15.89	25.9
7672	3	29.126	82.546	16.70	27.5
7680	3	29.126	92.546	18.72	31.4
8068	3	31.126	76.546	16.55	27.8
80610	3	31.126	78.546	16.98	28.6
8072	3	31.126	82.546	17.84	30.4
8080	3	31.126	92.546	20.00	34.8
9068	3	35.126	76.546	18.67	33.0
90610	3	35.126	78.546	19.16	34.1
9072	3	35.126	82.546	20.14	36.2
9080	3	35.126	92.546	22.57	41.4

French Quad

Call Size	Number of Panels	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
7068	4	29.126	76.546	15.5	23.79
70610	4	29.126	78.546	15.9	24.54
7072	4	29.126	82.546	16.7	26.04
7080	4	29.126	92.546	18.7	29.79
7468	4	31.126	76.546	16.5	25.55
74610	4	31.126	78.546	17.0	26.36
7472	4	31.126	82.546	17.8	27.97
7480	4	31.126	92.546	20.0	32.00
8068	4	35.126	76.546	18.7	29.08
80610	4	35.126	78.546	19.2	29.99
8072	4	35.126	82.546	20.1	31.83
8080	4	35.126	92.546	22.6	36.41
8468	4	31.126	76.546	16.5	24.67
84610	4	31.126	78.546	17.0	25.45
8472	4	31.126	82.546	17.8	27.00
8480	4	31.126	92.546	20.0	30.89
9068	4	35.126	76.546	18.7	28.19
90610	4	35.126	78.546	19.2	29.08
9072	4	35.126	82.546	20.1	30.86
9080	4	35.126	92.546	22.6	35.31
9468	4	31.126	76.546	16.5	29.96
94610	4	31.126	78.546	17.0	30.90
9472	4	31.126	82.546	17.8	32.79
9480	4	31.126	92.546	20.0	37.51
10068 S	4	35.126	76.546	18.7	33.48
100610 S	4	35.126	78.546	19.2	34.54
10072 S	4	35.126	82.546	20.1	36.65
10080 S	4	35.126	92.546	22.6	41.93
10068 E	4	29.126	76.546	15.5	33.48
100610 E	4	29.126	78.546	15.9	34.54
10072 E	4	29.126	82.546	16.7	36.65
10080 E	4	29.126	92.546	18.7	41.93

Call Size	Number of Panels	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
7668	3	29.126	76.546	15.48	25.1
76610	3	29.126	78.546	15.89	25.9
7672	3	29.126	82.546	16.70	27.5
7680	3	29.126	92.546	18.72	31.4
8068	3	31.126	76.546	16.55	27.8
80610	3	31.126	78.546	16.98	28.6
8072	3	31.126	82.546	17.84	30.4
8080	3	31.126	92.546	20.00	34.8
9068	3	35.126	76.546	18.67	33.0
90610	3	35.126	78.546	19.16	34.1
9072	3	35.126	82.546	20.14	36.2
9080	3	35.126	92.546	22.57	41.4

French Outswing Door – Net Clear & Daylight Opening Dimensions

Quad Single Operable

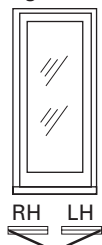
Call Size	Number of Panels	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
7068	4	29.126	76.546	15.5	23.79
70610	4	29.126	78.546	15.9	24.54
7072	4	29.126	82.546	16.7	26.04
7080	4	29.126	92.546	18.7	29.79
7468	4	31.126	76.546	16.5	25.55
74610	4	31.126	78.546	17.0	26.36
7472	4	31.126	82.546	17.8	27.97
7480	4	31.126	92.546	20.0	32.00
8068	4	35.126	76.546	18.7	29.08
80610	4	35.126	78.546	19.2	29.99
8072	4	35.126	82.546	20.1	31.83
8080	4	35.126	92.546	22.6	36.41
8468	4	31.126	76.546	16.5	24.67
84610	4	31.126	78.546	17.0	25.45
8472	4	31.126	82.546	17.8	27.00
8480	4	31.126	92.546	20.0	30.89
9068	4	35.126	76.546	18.7	28.19
90610	4	35.126	78.546	19.2	29.08
9072	4	35.126	82.546	20.1	30.86
9080	4	35.126	92.546	22.6	35.31

Call Size	Number of Panels	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
9468	4	31.126	76.546	16.5	29.96
94610	4	31.126	78.546	17.0	30.90
9472	4	31.126	82.546	17.8	32.79
9480	4	31.126	92.546	20.0	37.51
10068 S	4	35.126	76.546	18.7	33.48
100610 S	4	35.126	78.546	19.2	34.54
10072 S	4	35.126	82.546	20.1	36.65
10080 S	4	35.126	92.546	22.6	41.93
10068 E	4	29.126	76.546	15.5	33.48
100610 E	4	29.126	78.546	15.9	34.54
10072 E	4	29.126	82.546	16.7	36.65
10080 E	4	29.126	92.546	18.7	41.93
10868	4	29.126	76.546	15.5	33.48
108610	4	29.126	78.546	15.9	34.54
10872	4	29.126	82.546	16.7	36.65
10880	4	29.126	92.546	18.7	41.93
12068	4	29.126	76.546	15.5	33.48
120610	4	29.126	78.546	15.9	34.54
12072	4	29.126	82.546	16.7	36.65
12080	4	29.126	92.546	18.7	41.93

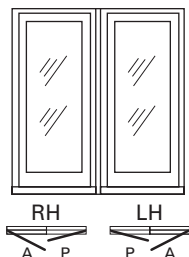
DOOR OPERATION CONFIGURATION OPTIONS

EXTERIOR VIEW OF DOORS

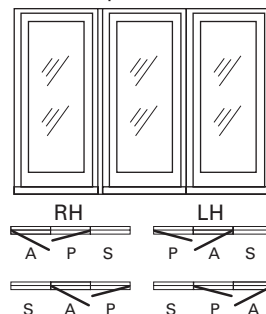
Single Panel



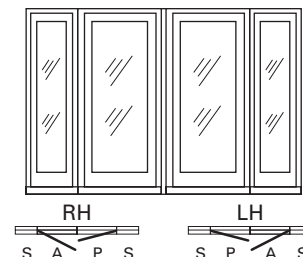
Double Panel



Triple Panel



Quad Panel



A= Active panel

P=Passive panel

S=Fixed panel

LH=Left hand swing

RH=Right hand swing

Stationary

Call Size	Number of Panels	Daylight Opening S.F.
1068	1	3.5
10610	1	3.6
1072	1	3.8
1080	1	4.4
1668	1	3.1
16610	1	3.2
1672	1	3.4
1680	1	3.9
2068	1	5.7
20610	1	5.9
2072	1	6.3
2080	1	7.2

Call Size	Number of Panels	Daylight Opening S.F.
2668	1	8.4
26610	1	8.6
2672	1	9.2
2680	1	10.5
2868	1	9.3
28610	1	9.5
2872	1	10.1
2880	1	11.6
3068	1	11.0
30610	1	11.4
3072	1	12.1
3080	1	13.8

Stationary twin

Call Size	Number of Panels	Daylight Opening S.F.
4068	2	11.5
40610	2	11.8
4072	2	12.5
4080	2	14.3
5068	2	16.7
50610	2	17.3
5072	2	18.3
5080	2	21.0
5468	2	18.5
54610	2	19.1
5472	2	20.3
5480	2	23.2
6068	2	22.0
60610	2	22.7
6072	2	24.1
6080	2	27.6

French Inswing Door – Net Clear & Daylight Opening Dimensions

Single

Call Size	Number of Panels	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
2668	1	29.188	75.532	15.31	8.3
26610	1	29.188	77.532	15.72	8.6
2672	1	29.188	81.532	16.53	9.1
2680	1	29.188	91.532	18.55	10.4
2868	1	31.188	75.532	16.36	9.2
28610	1	31.188	77.532	16.79	9.5
2872	1	31.188	81.532	17.66	10.0
2880	1	31.188	91.532	19.82	11.5
3068	1	35.188	75.532	18.46	10.9
30610	1	35.188	77.532	18.95	11.3
3072	1	35.188	81.532	19.92	11.9
3080	1	35.188	91.532	22.37	13.7

Center Mull Twin

Call Size	Number of Panels	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
3868	2	31.188	75.532	16.36	12.6
38610	2	31.188	77.532	16.79	13.1
3872	2	31.188	81.532	17.66	13.9
3880	2	31.188	91.532	19.82	15.9
4068	2	35.188	75.532	18.46	14.4
40610	2	35.188	77.532	18.95	14.9
4072	2	35.188	81.532	19.92	15.8
4080	2	35.188	91.532	22.37	18.1
4268	2	31.188	75.532	16.36	12.2
42610	2	31.188	77.532	16.79	12.6
4272	2	31.188	81.532	17.66	13.4
4280	2	31.188	91.532	19.82	15.3
4668	2	35.188	75.532	18.46	13.96
46610	2	35.188	77.532	18.95	14.40
4672	2	35.188	81.532	19.92	15.29
4680	2	35.188	91.532	22.37	17.51
4868	2	31.188	75.532	16.36	14.83
48610	2	31.188	77.532	16.79	15.30
4872	2	31.188	81.532	17.66	16.25
4880	2	31.188	91.532	19.82	18.61
5068 S	2	35.188	75.532	18.46	16.58
50610 S	2	35.188	77.532	18.95	17.10
5072 S	2	35.188	81.532	19.92	18.16
5080 S	2	35.188	91.532	22.37	20.80
5068 E	2	29.188	75.532	15.31	16.58
50610 E	2	29.188	77.532	15.72	17.10
5072 E	2	29.188	81.532	16.53	18.16
5080 E	2	29.188	91.532	18.55	20.80
5468	2	31.188	75.532	16.36	18.32
54610	2	31.188	77.532	16.79	18.90
5472	2	31.188	81.532	17.66	20.07
5480	2	31.188	91.532	19.82	22.99
6068	2	35.188	75.532	18.46	21.81
60610	2	35.188	77.532	18.95	22.50
6072	2	35.188	81.532	19.92	23.89
6080	2	35.188	91.532	22.37	27.37

Center Mull Triple

Call Size	Number of Panels	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
4668	3	29.126	75.532	15.28	15.3
46610	3	29.126	77.532	18.51	15.8
4672	3	29.126	81.532	16.49	16.7
4680	3	29.126	91.532	18.51	19.2

Center Mull Triple (Continue)

Call Size	Number of Panels	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
4868	3	31.126	75.532	16.33	16.1
48610	3	31.126	77.532	19.78	16.7
4872	3	31.126	81.532	17.62	17.7
4880	3	31.126	91.532	19.78	20.3
5068	3	35.126	75.532	18.42	17.9
50610	3	35.126	77.532	22.33	18.5
5072	3	35.126	81.532	19.89	19.6
5080	3	35.126	91.532	22.33	22.4
5668	3	29.126	75.532	15.28	14.4
56610	3	29.126	77.532	18.51	14.9
5672	3	29.126	81.532	16.49	15.8
5680	3	29.126	91.532	18.51	18.1
5868	3	31.126	75.532	16.33	15.3
58610	3	31.126	77.532	19.78	15.8
5872	3	31.126	81.532	17.62	16.7
5880	3	31.126	91.532	19.78	19.2
6068	3	35.126	75.532	18.42	17.0
60610	3	35.126	77.532	22.33	17.6
6072	3	35.126	81.532	19.89	18.6
6080	3	35.126	91.532	22.33	21.3
6668 E	3	29.126	75.532	15.28	19.6
66610 E	3	29.126	77.532	18.51	20.3
6672 E	3	29.126	81.532	16.49	21.5
6680 E	3	29.126	91.532	18.51	24.6
6868 E	3	31.126	75.532	16.33	20.5
68610 E	3	31.126	77.532	19.78	21.2
6872 E	3	31.126	81.532	17.62	22.5
6880 E	3	31.126	91.532	19.78	25.7
7068	3	35.126	75.532	18.42	22.2
70610	3	35.126	77.532	22.33	23.0
7072	3	35.126	81.532	19.89	24.4
7080	3	35.126	91.532	22.33	27.9
7668	3	29.126	75.532	15.28	24.9
76610	3	29.126	77.532	15.68	25.7
7672	3	29.126	81.532	16.49	27.2
7680	3	29.126	91.532	18.51	31.2
8068	3	31.126	75.532	16.33	27.5
80610	3	31.126	77.532	16.76	28.4
8072	3	31.126	81.532	17.62	30.1
8080	3	31.126	91.532	19.78	34.5
9068	3	35.126	75.532	18.42	32.7
90610	3	35.126	77.532	18.91	33.8
9072	3	35.126	81.532	19.89	35.8
9080	3	35.126	91.532	22.33	41.0

French Inswing Door – Net Clear & Daylight Opening Dimensions

Center Mull Quad

Call Size	Number of Panels	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
7468	4	31.125	75.532	16.33	25.30
74610	4	31.125	77.532	16.76	26.11
7472	4	31.125	81.532	17.62	27.72
7480	4	31.125	91.532	19.78	31.74
8068	4	35.125	75.532	18.42	28.79
80610	4	35.125	77.532	18.91	29.71
8072	4	35.125	81.532	19.89	31.54
8080	4	35.125	91.532	22.33	36.12
8468	4	31.125	75.532	16.33	24.43
84610	4	31.125	77.532	16.76	25.20
8472	4	31.125	81.532	17.62	26.76
8480	4	31.125	91.532	19.78	30.65
9068	4	35.125	75.532	18.42	27.92
90610	4	35.125	77.532	18.91	28.81
9072	4	35.125	81.532	19.89	30.58
9080	4	35.125	91.532	22.33	35.03
9468	4	31.125	75.532	16.33	29.66
94610	4	31.125	77.532	16.76	30.61
9472	4	31.125	81.532	17.62	32.49
9480	4	31.125	91.532	19.78	37.22
10068 S	4	35.125	75.532	18.42	33.15
100610 S	4	35.125	77.532	18.91	34.21
10072 S	4	35.125	81.532	19.89	36.32
10080 S	4	35.125	91.532	22.33	41.60
10068 E	4	29.125	75.532	15.28	33.15
100610 E	4	29.125	77.532	15.68	34.21
10072 E	4	29.125	81.532	16.49	36.32
10080 E	4	29.125	91.532	18.51	41.60

French Twin

Call Size	Number of Panels	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
4068	2	23.188	75.532	12.16	11.3
40610	2	23.188	77.532	12.48	11.7
4072	2	23.188	81.532	13.13	12.4
4080	2	23.188	91.532	14.74	14.2
5068	2	29.188	75.532	15.31	16.58
50610	2	29.188	77.532	15.72	17.10
5072	2	29.188	81.532	16.53	18.16
5080	2	29.188	91.532	18.55	20.80
5468	2	31.188	75.532	16.36	18.32
54610	2	31.188	77.532	16.79	18.90
5472	2	31.188	81.532	17.66	20.07
5480	2	31.188	91.532	19.82	22.99
6068	2	35.188	75.532	18.46	21.81
60610	2	35.188	77.532	18.95	22.50
6072	2	35.188	81.532	19.92	23.89
6080	2	35.188	91.532	22.37	27.37

French Triple

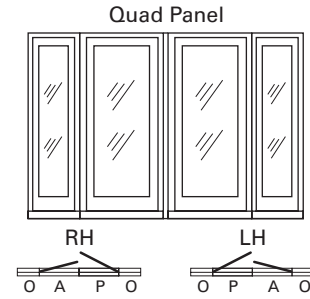
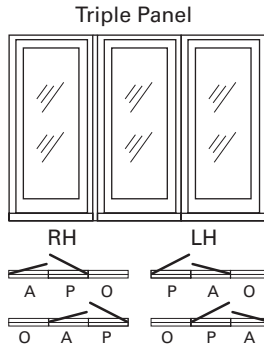
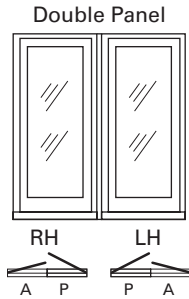
Call Size	Number of Panels	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
7668	3	29.126	75.532	15.28	24.9
76610	3	29.126	77.532	15.68	25.7
7672	3	29.126	81.532	16.49	27.2
7680	3	29.126	91.532	18.51	31.2
8068	3	31.126	75.532	16.33	27.5
80610	3	31.126	77.532	16.76	28.4
8072	3	31.126	81.532	17.62	30.1
8080	3	31.126	91.532	19.78	34.5
9068	3	35.126	75.532	18.42	32.7
90610	3	35.126	77.532	18.91	33.8
9072	3	35.126	81.532	19.89	35.8
9080	3	35.126	91.532	22.33	41.0

French Quad

Call Size	Number of Panels	Clear Opening Width	Clear Opening Height	Clear Opening S.F.	Daylight Opening S.F.
7068	4	29.126	75.532	15.3	23.55
70610	4	29.126	77.532	15.7	24.30
7072	4	29.126	81.532	16.5	25.80
7080	4	29.126	91.532	18.5	29.55
7468	4	31.126	75.532	16.3	25.30
74610	4	31.126	77.532	16.8	26.11
7472	4	31.126	81.532	17.6	27.72
7480	4	31.126	91.532	19.8	31.74
8068	4	35.126	75.532	18.4	28.79
80610	4	35.126	77.532	18.9	29.71
8072	4	35.126	81.532	19.9	31.54
8080	4	35.126	91.532	22.3	36.12
8468	4	31.126	75.532	16.3	24.43
84610	4	31.126	77.532	16.8	25.20
8472	4	31.126	81.532	17.6	26.76
8480	4	31.126	91.532	19.8	30.65
9068	4	35.126	75.532	18.4	27.92
90610	4	35.126	77.532	18.9	28.81
9072	4	35.126	81.532	19.9	30.58
9080	4	35.126	91.532	22.3	35.03
9468	4	31.126	75.532	16.3	29.66
94610	4	31.126	77.532	16.8	30.61
9472	4	31.126	81.532	17.6	32.49
9480	4	31.126	91.532	19.8	37.22
10068 S	4	35.126	75.532	18.4	33.15
100610 S	4	35.126	77.532	18.9	34.21
10072 S	4	35.126	81.532	19.9	36.32
10080 S	4	35.126	91.532	22.3	41.60
10068 E	4	29.126	75.532	15.3	33.15
100610 E	4	29.126	77.532	15.7	34.21
10072 E	4	29.126	81.532	16.5	36.32
10080 E	4	29.126	91.532	18.5	41.60

DOOR OPERATION CONFIGURATION OPTIONS

EXTERIOR VIEW OF DOORS



A= Active panel **P**=Passive panel **O**=Fixed panel **LH**=Left hand swing **RH**=Right hand swing

Stationary

Call Size	Number of Panels	Daylight Opening S.F.
1068	1	3.5
10610	1	3.6
1072	1	3.8
1080	1	4.4
1668	1	3.1
16610	1	3.2
1672	1	3.3
1680	1	3.8
2068	1	5.7
20610	1	5.9
2072	1	6.2
2080	1	7.1
2668	1	8.3
26610	1	8.6
2672	1	9.1
2680	1	10.4
2868	1	9.2
28610	1	9.5
2872	1	10.0
2880	1	11.5
3068	1	10.9
30610	1	11.3
3072	1	11.9
3080	1	13.7

Stationary Twin

Call Size	Number of Panels	Daylight Opening S.F.
4068	2	11.3
40610	2	N/A
4072	2	N/A
4080	2	N/A
5068	2	16.6
50610	2	17.1
5072	2	18.2
5080	2	20.8
5468	2	18.3
54610	2	18.9
5472	2	20.1
5480	2	23.0
6068	2	21.8
60610	2	22.5
6072	2	23.9
6080	2	27.4

