

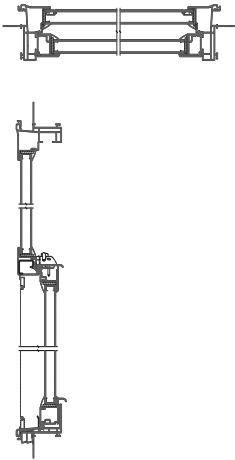
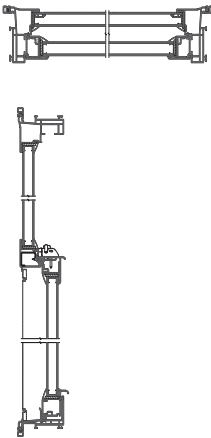
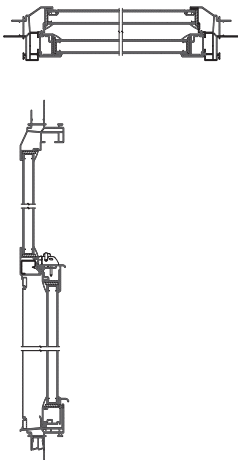
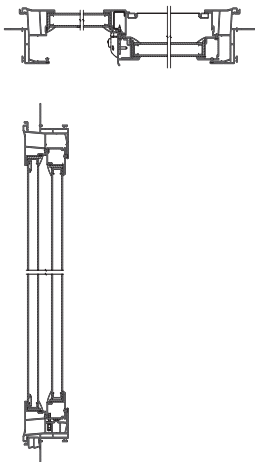
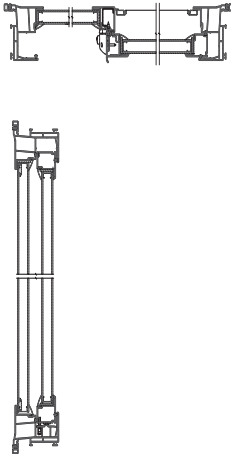
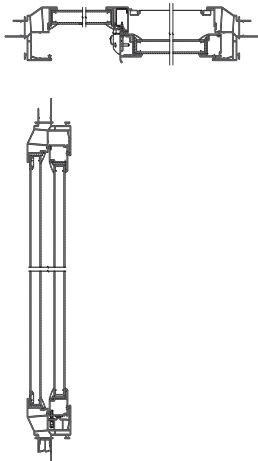


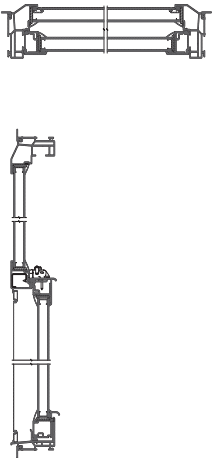
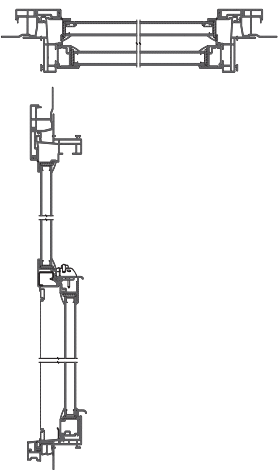
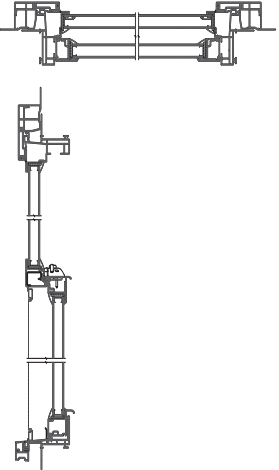
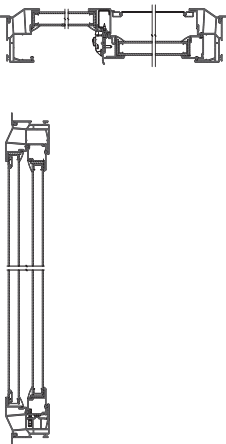
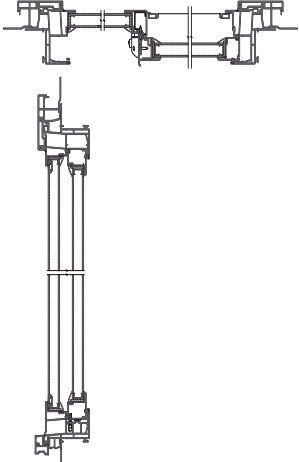
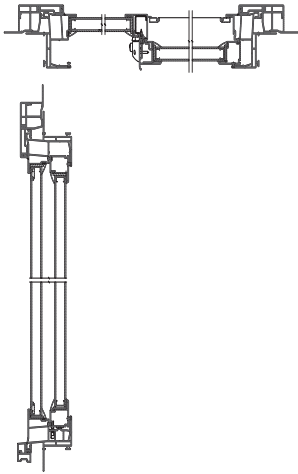
1500 Vinyl Collection

Building choice into every view.

SizeGuide

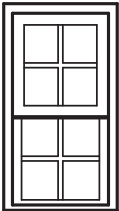
Technical Drawing -
Single Hung & Slider Units

	Brickmould with Nail Fin and UtilityTrim	Brickmould with Flange	Beveled with J with Nail Fin and UtilityTrim
Single Hung Unit			
Slider Unit			

	Beveled with Flange	Flat Casing with J-Channel and UtilityTrim	Flat Casing with Pocket Filler
Single Hung Unit			
Slider Unit			

Single Hung – Operating Units

Unit Dimension			Width									
Rough Opening			0'-11 1/2"	1'-1 1/2"	1'-3 1/2"	1'-5 1/2"	1'-7 1/2"	1'-9 1/2"	1'-11 1/2"	2'-1 1/2"	2'-3 1/2"	
Call Size			12"	14"	16"	18"	20"	22"	24"	26"	28"	
HEIGHT			1-0	1-2	1-4	1-6	1-8	1-10	2-0	2-2	2-4	
HEIGHT												
2'-3 1/2"	28"	2-4										
	29											
2'-5 1/2"	30"	2-6										
	31											
2'-7 1/2"	32"	2-8										
	33											
2'-9 1/2"	34"	2-10										
	35											
2'-11 1/2"	36"	3-0										
	37											
3'-1 1/2"	38"	3-2										
	39											
3'-3 1/2"	40"	3-4										
	41											
3'-5 1/2"	42"	3-6										
	43											
3'-7 1/2"	44"	3-8										
	45											
3'-9 1/2"	46"	3-10										
	47											
3'-11 1/2"	48"	4-0										
	49											
4'-1 1/2"	50"	4-2										
	51											
4'-3 1/2"	52"	4-4										
	53											
4'-5 1/2"	54"	4-6										
	55											
4'-7 1/2"	56"	4-8										
	57											
4'-9 1/2"	58"	4-10										
	59											
4'-11 1/2"	60"	5-0										
	61											
5'-1 1/2"	62"	5-2										
	63											
5'-3 1/2"	64"	5-4										
	65											



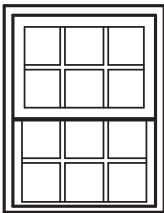
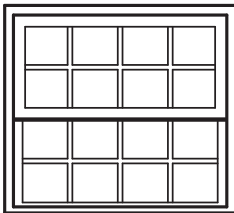
Egress Chart

Call Sizes that meet or exceed 5.7 sq ft. Clear Opening					
Width	x	Height	Width	x	Height
2-2	x	7-2 to 8-0	3-2	x	4-10 to 8-0
2-4	x	6-8 to 8-0	3-4	x	4-8 to 8-0
2-6	x	6-2 to 8-0	3-6	x	4-8 to 8-0
2-8	x	5-8 to 8-0	3-8	x	4-8 to 8-0
2-10	x	5-4 to 8-0	3-10	x	4-8 to 8-0
3-0	x	5-0 to 8-0	4-0	x	4-8 to 8-0

NOTE:

Units shown satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area. For complete tables see pages 74-81.

Single Hung – Operating Units

2'-3 1/2"2'-5 1/2"2'-7 1/2"2'-9 1/2"2'-11 1/2"3'-1 1/2"3'-3 1/2"3'-5 1/2"3'-7 1/2"3'-9 1/2"3'-11 1/2"											WIDTH	Unit Dimension Rough Opening Call Size		
28"2930"3132"3334"3536"3738"3940"4142"4344"4546"4748"														
2-42-62-82-103-03-23-43-63-83-104-0														
 												HEIGHT		
												2-4	28"	2'-3 1/2"
												2-6	30"	2'-5 1/2"
												2-8	32"	2'-7 1/2"
												2-10	34"	2'-9 1/2"
												3-0	36"	2'-11 1/2"
												3-2	38"	3'-1 1/2"
												3-4	40"	3'-3 1/2"
												3-6	42"	3'-5 1/2"
												3-8	44"	3'-7 1/2"
												3-10	46"	3'-9 1/2"
												4-0	48"	3'-11 1/2"
												4-2	50"	4'-1 1/2"
												4-4	52"	4'-3 1/2"
												4-6	54"	4'-5 1/2"
												4-8	56"	4'-7 1/2"
4-10	58"	4'-9 1/2"												
5-0	60"	4'-11 1/2"												
5-2	62"	5'-1 1/2"												
5-4	64"	5'-3 1/2"												

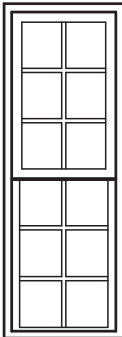
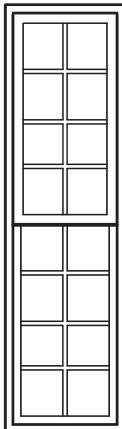
Egress Chart

Call Sizes that meet or exceed 5.7 sq ft. Clear Opening					
Width	x	Height	Width	x	Height
2-2	x	7-2 to 8-0	3-2	x	4-10 to 8-0
2-4	x	6-8 to 8-0	3-4	x	4-8 to 8-0
2-6	x	6-2 to 8-0	3-6	x	4-8 to 8-0
2-8	x	5-8 to 8-0	3-8	x	4-8 to 8-0
2-10	x	5-4 to 8-0	3-10	x	4-8 to 8-0
3-0	x	5-0 to 8-0	4-0	x	4-8 to 8-0

NOTE:

Units shown satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area. For complete tables see pages 74-81.

Single Hung – Operating Units

Unit Dimension			Width																			
Rough Opening			Call Size																			
			0'-11 1/2"	13	1'-1 1/2"	15	1'-3 1/2"	17	1'-5 1/2"	19	1'-7 1/2"	21	1'-9 1/2"	23	1'-11 1/2"	25	2'-1 1/2"	27	2'-3 1/2"	29		
			12"		14"		16"		18"		20"		22"		24"		26"		28"			
			1-0		1-2		1-4		1-6		1-8		1-10		2-0		2-2		2-4			
HEIGHT																						
5'-5 1/2"	66"	5-6																				
5'-7 1/2"	68"	5-8																				
5'-9 1/2"	70"	5-10																				
5'-11 1/2"	72"	6-0																				
6'-1 1/2"	74"	6-2																				
6'-3 1/2"	76"	6-4																				
6'-5 1/2"	78"	6-6																				
6'-7 1/2"	80"	6-8																				
6'-9 1/2"	82"	6-10																				
6'-11 1/2"	84"	7-0																				
7'-1 1/2"	86"	7-2																				
7'-3 1/2"	88"	7-4																				
7'-5 1/2"	90"	7-6																				
7'-7 1/2"	92"	7-8																				
7'-9 1/2"	94"	7-10																				
7'-11 1/2"	96"	8-0																				

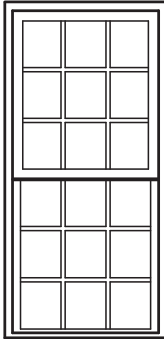
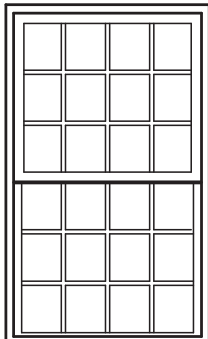
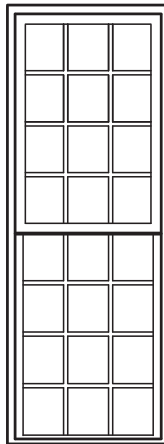
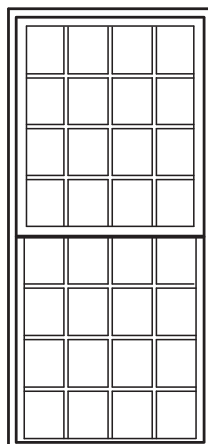
Egress Chart

Call Sizes that meet or exceed 5.7 sq ft. Clear Opening					
Width	x	Height	Width	x	Height
2-2	x	7-2 to 8-0	3-2	x	4-10 to 8-0
2-4	x	6-8 to 8-0	3-4	x	4-8 to 8-0
2-6	x	6-2 to 8-0	3-6	x	4-8 to 8-0
2-8	x	5-8 to 8-0	3-8	x	4-8 to 8-0
2-10	x	5-4 to 8-0	3-10	x	4-8 to 8-0
3-0	x	5-0 to 8-0	4-0	x	4-8 to 8-0

NOTE:

Units shown satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area. For complete tables see pages 74-81.

Single Hung – Operating Units

2'-5 1/2" 2'-7 1/2" 2'-9 1/2" 2'-11 1/2" 3'-1 1/2" 3'-3 1/2" 3'-5 1/2" 3'-7 1/2" 3'-9 1/2" 3'-11 1/2"										WIDTH	Unit Dimension		
30" 31" 32" 33" 34" 35" 36" 37" 38" 39" 40" 41" 42" 43" 44" 45" 46" 47" 48"											Rough Opening	Call Size	
2-6 2-8 2-10 3-0 3-2 3-4 3-6 3-8 3-10 4-0											HEIGHT		
											5-6	66"	5'-5 1/2"
												67	
											5-8	68"	5'-7 1/2"
												69	
											5-10	70"	5'-9 1/2"
												71	
											6-0	72"	5'-11 1/2"
												73	
											6-2	74"	6'-1 1/2"
												75	
											6-4	76"	6'-3 1/2"
												77	
											6-6	78"	6'-5 1/2"
												79	
											6-8	80"	6'-7 1/2"
												81	
											6-10	82"	6'-9 1/2"
												83	
											7-0	84"	6'-11 1/2"
												85	
											7-2	86"	7'-1 1/2"
												87	
											7-4	88"	7'-3 1/2"
												89	
											7-6	90"	7'-5 1/2"
												91	
											7-8	92"	7'-7 1/2"
												93	
											7-10	94"	7'-9 1/2"
												95	
											8-0	96"	7'-11 1/2"

Egress Chart

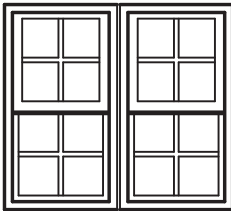
Call Sizes that meet or exceed 5.7 sq ft. Clear Opening					
Width	x	Height	Width	x	Height
2-2	x	7-2 to 8-0	3-2	x	4-10 to 8-0
2-4	x	6-8 to 8-0	3-4	x	4-8 to 8-0
2-6	x	6-2 to 8-0	3-6	x	4-8 to 8-0
2-8	x	5-8 to 8-0	3-8	x	4-8 to 8-0
2-10	x	5-4 to 8-0	3-10	x	4-8 to 8-0
3-0	x	5-0 to 8-0	4-0	x	4-8 to 8-0

NOTE:

Units shown satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area. For complete tables see pages 74-81.

Single Hung – Operating Twin Units

Unit Dimension Rough Opening Clear Size		WIDTH								
		1'-11 1/2"	2'-3 1/2"	2'-7 1/2"	2'-11 1/2"	3'-3 1/2"	3'-7 1/2"	3'-11 1/2"	4'-3 1/2"	
		24"	28"	32"	36"	40"	44"	48"	52"	54"
		1-0 Twin	1-2 Twin	1-4 Twin	1-6 Twin	1-8 Twin	1-10 Twin	2-0 Twin	2-2 Twin	
HEIGHT										
2'-3 1/2"	28" 29	2-4								
2'-5 1/2"	30" 31	2-6								
2'-7 1/2"	32" 33	2-8								
2'-9 1/2"	34" 35	2-10								
2'-11 1/2"	36" 37	3-0								
3'-1 1/2"	38" 39	3-2								
3'-3 1/2"	40" 41	3-4								
3'-5 1/2"	42" 43	3-6								
3'-7 1/2"	44" 45	3-8								
3'-9 1/2"	46" 47	3-10								
3'-11 1/2"	48" 49	4-0								
4'-1 1/2"	50" 51	4-2								
4'-3 1/2"	52" 53	4-4								
4'-5 1/2"	54" 55	4-6								
4'-7 1/2"	56" 57	4-8								
4'-9 1/2"	58" 59	4-10								
4'-11 1/2"	60" 61	5-0								
5'-1 1/2"	62" 63	5-2								
5'-3 1/2"	64" 65	5-4								



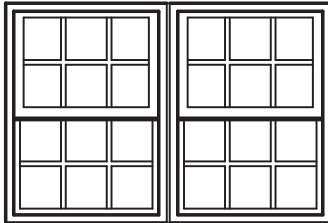
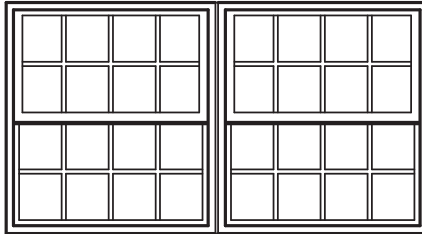
Egress Chart

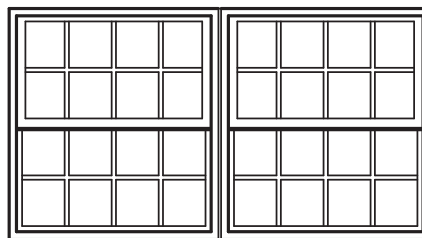
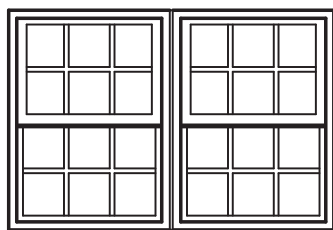
Call Sizes that meet or exceed 5.7 sq ft. Clear Opening					
Width	x	Height	Width	x	Height
2-2	x	7-2 to 8-0	3-2	x	4-10 to 8-0
2-4	x	6-8 to 8-0	3-4	x	4-8 to 8-0
2-6	x	6-2 to 8-0	3-6	x	4-8 to 8-0
2-8	x	5-8 to 8-0	3-8	x	4-8 to 8-0
2-10	x	5-4 to 8-0	3-10	x	4-8 to 8-0
3-0	x	5-0 to 8-0	4-0	x	4-8 to 8-0

NOTE:

Units shown satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area. For complete tables see pages 74-81.

Single Hung – Operating Twin Units

4'-7 1/2"	4'-11 1/2"	5'-3 1/2"	5'-7 1/2"	5'-11 1/2"	6'-3 1/2"	6'-7 1/2"	6'-11 1/2"	7'-3 1/2"	7'-7 1/2"	7'-11 1/2"	WIDTH	Unit Dimension Rough Opening Call Size														
56"	58"	60"	62"	64"	66"	68"	70"	72"	74"	76"			78"	80"	82"	84"	86"	88"	90"	92"	94"	96"				
2-4 Twin	2-6 Twin	2-8 Twin	2-10 Twin	3-0 Twin	3-2 Twin	3-4 Twin	3-6 Twin	3-8 Twin	3-10 Twin	4-0 Twin																
																								HEIGHT		
												2-4	28"	2'-3 1/2"												
													29													
												2-6	30"	2'-5 1/2"												
													31													
												2-8	32"	2'-7 1/2"												
													33													
												2-10	34"	2'-9 1/2"												
													35													
												3-0	36"	2'-11 1/2"												
													37													
												3-2	38"	3'-1 1/2"												
													39													
												3-4	40"	3'-3 1/2"												
													41													
												3-6	42"	3'-5 1/2"												
													43													
												3-8	44"	3'-7 1/2"												
													45													
												3-10	46"	3'-9 1/2"												
													47													
4-0	48"	3'-11 1/2"																								
	49																									
4-2	50"	4'-1 1/2"																								
	51																									
4-4	52"	4'-3 1/2"																								
	53																									
4-6	54"	4'-5 1/2"																								
	55																									
4-8	56"	4'-7 1/2"																								
	57																									
4-10	58"	4'-9 1/2"																								
	59																									
5-0	60"	4'-11 1/2"																								
	61																									
5-2	62"	5'-1 1/2"																								
	63																									
5-4	64"	5'-3 1/2"																								
	65																									



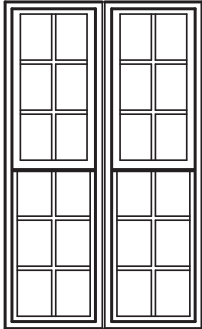
Egress Chart

Call Sizes that meet or exceed 5.7 sq ft. Clear Opening					
Width	x	Height	Width	x	Height
2-2	x	7-2 to 8-0	3-2	x	4-10 to 8-0
2-4	x	6-8 to 8-0	3-4	x	4-8 to 8-0
2-6	x	6-2 to 8-0	3-6	x	4-8 to 8-0
2-8	x	5-8 to 8-0	3-8	x	4-8 to 8-0
2-10	x	5-4 to 8-0	3-10	x	4-8 to 8-0
3-0	x	5-0 to 8-0	4-0	x	4-8 to 8-0

NOTE:

Units shown satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area. For complete tables see pages 74-81.

Single Hung – Operating Twin Units

Unit Dimension Rough Opening Call Size			WIDTH							
			1'-11 1/2"	2'-3 1/2"	2'-7 1/2"	2'-11 1/2"	3'-3 1/2"	3'-7 1/2"	3'-11 1/2"	4'-3 1/2"
			24"	28"	32"	36"	40"	44"	48"	52"
			1-0 Twin	1-2 Twin	1-4 Twin	1-6 Twin	1-8 Twin	1-10 Twin	2-0 Twin	2-2 Twin
5'-5 1/2"	66"	5-6								
5'-7 1/2"	68"	5-8								
5'-9 1/2"	70"	5-10								
5'-11 1/2"	72"	6-0								
6'-1 1/2"	74"	6-2								
6'-3 1/2"	76"	6-4								
6'-5 1/2"	78"	6-6								
6'-7 1/2"	80"	6-8								
6'-9 1/2"	82"	6-10								
6'-11 1/2"	84"	7-0								
7'-1 1/2"	86"	7-2								
7'-3 1/2"	88"	7-4								
7'-5 1/2"	90"	7-6								
7'-7 1/2"	92"	7-8								
7'-9 1/2"	94"	7-10								
7'-11 1/2"	96"	8-0								

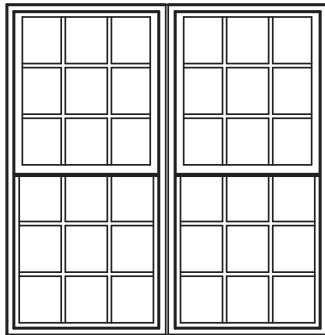
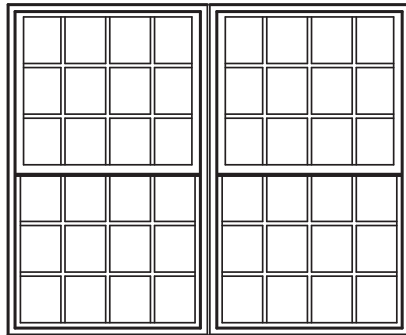
Egress Chart

Call Sizes that meet or exceed 5.7 sq ft. Clear Opening					
Width	x	Height	Width	x	Height
2-2	x	7-2 to 8-0	3-2	x	4-10 to 8-0
2-4	x	6-8 to 8-0	3-4	x	4-8 to 8-0
2-6	x	6-2 to 8-0	3-6	x	4-8 to 8-0
2-8	x	5-8 to 8-0	3-8	x	4-8 to 8-0
2-10	x	5-4 to 8-0	3-10	x	4-8 to 8-0
3-0	x	5-0 to 8-0	4-0	x	4-8 to 8-0

NOTE:

Units shown satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area. For complete tables see pages 74-81.

Single Hung – Operating Twin Units

4'-7 1/2"	4'-11 1/2"	5'-3 1/2"	5'-7 1/2"	5'-11 1/2"	6'-3 1/2"	6'-7 1/2"	6'-11 1/2"	7'-3 1/2"	7'-7 1/2"	7'-11 1/2"	WIDTH Unit Dimension Rough Opening Call Size								
56"	58"	60"	62"	64"	66"	70"	72"	74"	76"	78"		80"	82"	84"	86"	90"	92"	94"	96"
2-4 Twin	2-6 Twin	2-8 Twin	2-10 Twin	3-0 Twin	3-2 Twin	3-4 Twin	3-6 Twin	3-8 Twin	3-10 Twin	4-0 Twin									
												5-6	66"	5'-5 1/2"					
													67						
												5-8	68"	5'-7 1/2"					
													69						
												5-10	70"	5'-9 1/2"					
													71						
												6-0	72"	5'-11 1/2"					
													73						
												6-2	74"	6'-1 1/2"					
													75						
												6-4	76"	6'-3 1/2"					
													77						
												6-6	78"	6'-5 1/2"					
													79						
												6-8	80"	6'-7 1/2"					
													81						
												6-10	82"	6'-9 1/2"					
													83						
												7-0	84"	6'-11 1/2"					
													85						
												7-2	86"	7'-1 1/2"					
													87						
												7-4	88"	7'-3 1/2"					
													89						
												7-6	90"	7'-5 1/2"					
													91						
												7-8	92"	7'-7 1/2"					
													93						
												7-10	94"	7'-9 1/2"					
													95						
												8-0	96"	7'-11 1/2"					

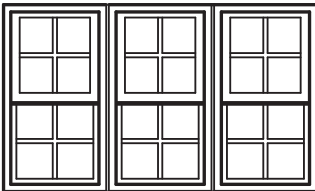
Egress Chart

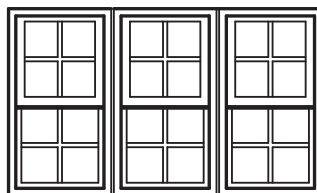
Call Sizes that meet or exceed 5.7 sq ft. Clear Opening					
Width	x	Height	Width	x	Height
2-2	x	7-2 to 8-0	3-2	x	4-10 to 8-0
2-4	x	6-8 to 8-0	3-4	x	4-8 to 8-0
2-6	x	6-2 to 8-0	3-6	x	4-8 to 8-0
2-8	x	5-8 to 8-0	3-8	x	4-8 to 8-0
2-10	x	5-4 to 8-0	3-10	x	4-8 to 8-0
3-0	x	5-0 to 8-0	4-0	x	4-8 to 8-0

NOTE:

Units shown satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area. For complete tables see pages 74-81.

Single Hung – Operating Triple Units

Unit Dimension Rough Opening Call Size			WIDTH															
HEIGHT			2'-11 1/2"	3'-5 1/2"	3'-11 1/2"	4'-5 1/2"	4'-11 1/2"	5'-5 1/2"	5'-11 1/2"	6'-5 1/2"								
			36"	39	42"	45	48"	51	54"	57	60"	63	66"	69	72"	75	78"	81
			1-0 Triple	1-2 Triple	1-4 Triple	1-6 Triple	1-8 Triple	1-10 Triple	2-0 Triple	2-2 Triple								
2'-3 1/2"	28"	2-4																
2'-5 1/2"	30"	2-6																
2'-7 1/2"	32"	2-8																
2'-9 1/2"	34"	2-10																
2'-11 1/2"	36"	3-0																
3'-1 1/2"	38"	3-2																
3'-3 1/2"	40"	3-4																
3'-5 1/2"	42"	3-6																
3'-7 1/2"	44"	3-8																
3'-9 1/2"	46"	3-10																
3'-11 1/2"	48"	4-0																
4'-1 1/2"	50"	4-2																
4'-3 1/2"	52"	4-4																
4'-5 1/2"	54"	4-6																
4'-7 1/2"	56"	4-8																
4'-9 1/2"	58"	4-10																
4'-11 1/2"	60"	5-0																
5'-1 1/2"	62"	5-2																
5'-3 1/2"	64"	5-4																



Egress Chart

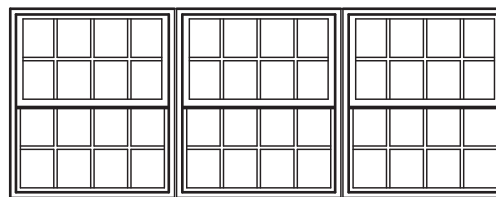
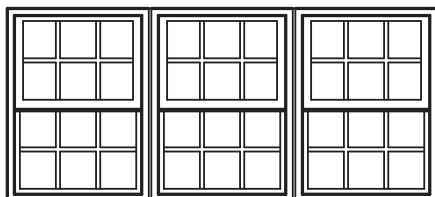
Call Sizes that meet or exceed 5.7 sq ft. Clear Opening					
Width	x	Height	Width	x	Height
2-2	x	7-2 to 8-0	3-2	x	4-10 to 8-0
2-4	x	6-8 to 8-0	3-4	x	4-8 to 8-0
2-6	x	6-2 to 8-0	3-6	x	4-8 to 8-0
2-8	x	5-8 to 8-0	3-8	x	4-8 to 8-0
2-10	x	5-4 to 8-0	3-10	x	4-8 to 8-0
3-0	x	5-0 to 8-0	4-0	x	4-8 to 8-0

NOTE:

Units shown satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area. For complete tables see pages 74-81.

Single Hung – Operating Triple Units

6'-11 1/2"	7'-5 1/2"	7'-11 1/2"	8'-5 1/2"	8'-11 1/2"	9'-5 1/2"	9'-11 1/2"	10'-5 1/2"	10'-11 1/2"	11'-5 1/2"	11'-11 1/2"	WIDTH Unit Dimension Rough Opening Call Size	HEIGHT		
84"	90"	96"	102"	108"	114"	120"	126"	132"	138"	144"				
2-4 Triple	2-6 Triple	2-8 Triple	2-10 Triple	3-0 Triple	3-2 Triple	3-4 Triple	3-6 Triple	3-8 Triple	3-10 Triple	4-0 Triple				
												2-4	28"	2'-3 1/2"
													29	
												2-6	30"	2'-5 1/2"
													31	
												2-8	32"	2'-7 1/2"
													33	
												2-10	34"	2'-9 1/2"
													35	
												3-0	36"	2'-11 1/2"
													37	
												3-2	38"	3'-1 1/2"
													39	
												3-4	40"	3'-3 1/2"
													41	
												3-6	42"	3'-5 1/2"
													43	
												3-8	44"	3'-7 1/2"
													45	
												3-10	46"	3'-9 1/2"
													47	
												4-0	48"	3'-11 1/2"
													49	
												4-2	50"	4'-1 1/2"
													51	
												4-4	52"	4'-3 1/2"
													53	
												4-6	54"	4'-5 1/2"
													55	
												4-8	56"	4'-7 1/2"
													57	
												4-10	58"	4'-9 1/2"
													59	
												5-0	60"	4'-11 1/2"
													61	
												5-2	62"	5'-1 1/2"
													63	
												5-4	64"	5'-3 1/2"
													65	



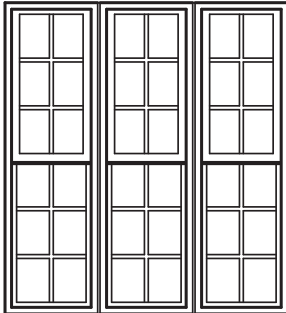
Egress Chart

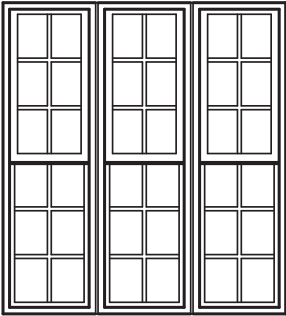
Call Sizes that meet or exceed 5.7 sq ft. Clear Opening					
Width	x	Height	Width	x	Height
2-2	x	7-2 to 8-0	3-2	x	4-10 to 8-0
2-4	x	6-8 to 8-0	3-4	x	4-8 to 8-0
2-6	x	6-2 to 8-0	3-6	x	4-8 to 8-0
2-8	x	5-8 to 8-0	3-8	x	4-8 to 8-0
2-10	x	5-4 to 8-0	3-10	x	4-8 to 8-0
3-0	x	5-0 to 8-0	4-0	x	4-8 to 8-0

NOTE:

Units shown satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area. For complete tables see pages 74-81.

Single Hung – Operating Triple Units

Unit Dimension			Rough Opening		Call Size		WIDTH															
							2'-11 1/2"	3'-5 1/2"	3'-11 1/2"	4'-5 1/2"	4'-11 1/2"	5'-5 1/2"	5'-11 1/2"	6'-5 1/2"								
							36"	39	42"	45	48"	51	54"	57	60"	63	66"	69	72"	75	78"	81
							1-0 Triple	1-2 Triple	1-4 Triple	1-6 Triple	1-8 Triple	1-10 Triple	2-0 Triple	2-2 Triple								
HEIGHT																						
5'-5 1/2"	66"	5-6																				
	67																					
5'-7 1/2"	68"	5-8																				
	69																					
5'-9 1/2"	70"	5-10																				
	71																					
5'-11 1/2"	72"	6-0																				
	73																					
6'-1 1/2"	74"	6-2																				
	75																					
6'-3 1/2"	76"	6-4																				
	77																					
6'-5 1/2"	78"	6-6																				
	79																					
6'-7 1/2"	80"	6-8																				
	81																					
6'-9 1/2"	82"	6-10																				
	83																					
6'-11 1/2"	84"	7-0																				
	85																					
7'-1 1/2"	86"	7-2																				
	87																					
7'-3 1/2"	88"	7-4																				
	89																					
7'-5 1/2"	90"	7-6																				
	91																					
7'-7 1/2"	92"	7-8																				
	93																					
7'-9 1/2"	94"	7-10																				
	95																					
7'-11 1/2"	96"	8-0																				



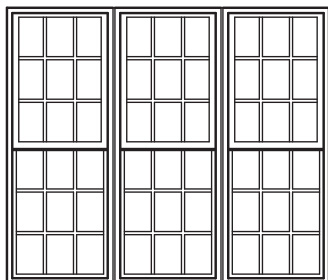
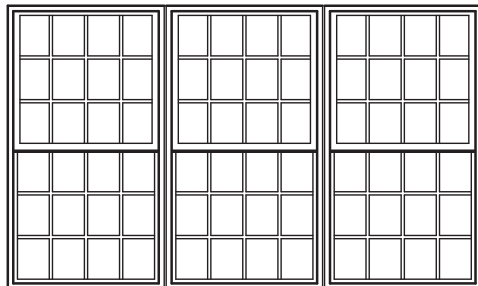
Egress Chart

Call Sizes that meet or exceed 5.7 sq ft. Clear Opening					
Width	x	Height	Width	x	Height
2-2	x	7-2 to 8-0	3-2	x	4-10 to 8-0
2-4	x	6-8 to 8-0	3-4	x	4-8 to 8-0
2-6	x	6-2 to 8-0	3-6	x	4-8 to 8-0
2-8	x	5-8 to 8-0	3-8	x	4-8 to 8-0
2-10	x	5-4 to 8-0	3-10	x	4-8 to 8-0
3-0	x	5-0 to 8-0	4-0	x	4-8 to 8-0

NOTE:

Units shown satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area. For complete tables see pages 74-81.

Single Hung – Operating Triple Units

6'-11 1/2"	7'-5 1/2"	7'-11 1/2"	8'-5 1/2"	8'-11 1/2"	9'-5 1/2"	9'-11 1/2"	10'-5 1/2"	10'-11 1/2"	11'-5 1/2"	11'-11 1/2"	WIDTH Unit Dimension Rough Opening Call Size													
84"	87	90"	93	96"	99	102"	105	108"	111	114"		117	120"	123	126"	129	132"	135	138"	141	144"			
2-4 Triple	2-6 Triple	2-8 Triple	2-10 Triple	3-0 Triple	3-2 Triple	3-4 Triple	3-6 Triple	3-8 Triple	3-10 Triple	4-0 Triple														
																						HEIGHT		
																						5-6	66"	5'-5 1/2"
																							67	
																						5-8	68"	5'-7 1/2"
																							69	
																						5-10	70"	5'-9 1/2"
																							71	
																						6-0	72"	5'-11 1/2"
																							73	
																						6-2	74"	6'-1 1/2"
																							75	
																						6-4	76"	6'-3 1/2"
																							77	
																						6-6	78"	6'-5 1/2"
																							79	
																						6-8	80"	6'-7 1/2"
	81																							
6-10	82"	6'-9 1/2"																						
	83																							
7-0	84"	6'-11 1/2"																						
	85																							
7-2	86"	7'-1 1/2"																						
	87																							
7-4	88"	7'-3 1/2"																						
	89																							
7-6	90"	7'-5 1/2"																						
	91																							
7-8	92"	7'-7 1/2"																						
	93																							
7-10	94"	7'-9 1/2"																						
	95																							
8-0	96"	7'-11 1/2"																						

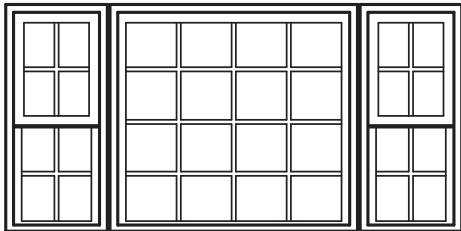
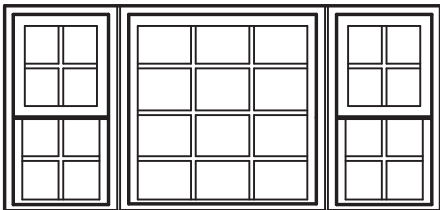
Egress Chart

Call Sizes that meet or exceed 5.7 sq ft. Clear Opening					
Width	x	Height	Width	x	Height
2-2	x	7-2 to 8-0	3-2	x	4-10 to 8-0
2-4	x	6-8 to 8-0	3-4	x	4-8 to 8-0
2-6	x	6-2 to 8-0	3-6	x	4-8 to 8-0
2-8	x	5-8 to 8-0	3-8	x	4-8 to 8-0
2-10	x	5-4 to 8-0	3-10	x	4-8 to 8-0
3-0	x	5-0 to 8-0	4-0	x	4-8 to 8-0

NOTE:

Units shown satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area. For complete tables see pages 74-81.

Single Hung – Operating 1-8 Combo Units

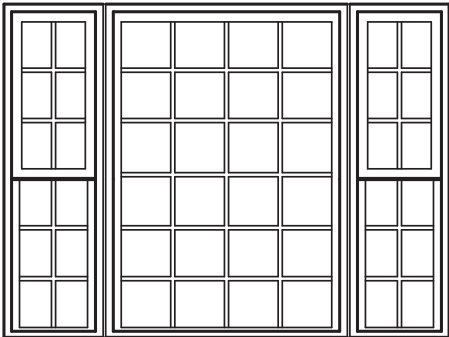
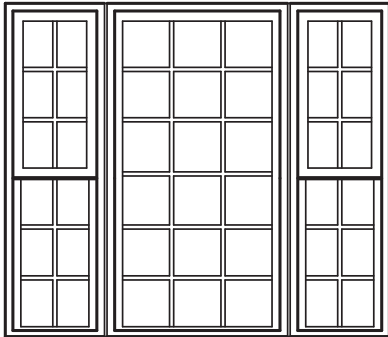
Unit Dimension Rough Opening Call Size			H/L/W																													
			6'-3 1/2"		6'-5 1/2"		6'-7 1/2"		6'-9 1/2"		6'-11 1/2"		7'-1 1/2"		7'-3 1/2"		7'-5 1/2"		7'-7 1/2"		7'-9 1/2"											
			76"	77	78"	79	80"	81	82"	83	84"	85	86"	87	88"	89	90"	91	92"	93	94"	95										
WIDTH			1-8 / 3-0		3-1	1-8 / 3-2		3-3	1-8 / 3-4		3-5	1-8 / 3-6		3-7	1-8 / 3-8		3-9	1-8 / 4-0		4-1	1-8 / 4-2		4-3	1-8 / 4-4		4-5	1-8 / 4-6		4-7	1-8 / 4-8		4-9
HEIGHT																																
2'-3 1/2"	28"	2-4																														
29																																
2'-5 1/2"	30"	2-6																														
31																																
2'-7 1/2"	32"	2-8																														
33																																
2'-9 1/2"	34"	2-10																														
35																																
2'-11 1/2"	36"	3-0																														
37																																
3'-1 1/2"	38"	3-2																														
39																																
3'-3 1/2"	40"	3-4																														
41																																
3'-5 1/2"	42"	3-6																														
43																																
3'-7 1/2"	44"	3-8																														
45																																
3'-9 1/2"	46"	3-10																														
47																																
3'-11 1/2"	48"	4-0																														
49																																
4'-1 1/2"	50"	4-2																														
51																																
4'-3 1/2"	52"	4-4																														
53																																
4'-5 1/2"	54"	4-6																														
55																																
4'-7 1/2"	56"	4-8																														
57																																
4'-9 1/2"	58"	4-10																														
59																																
4'-11 1/2"	60"	5-0																														
61																																
5'-1 1/2"	62"	5-2																														
63																																
5'-3 1/2"	64"	5-4																														
65																																

Single Hung – Operating 1-8 Combo Units

7'-11 1/2"		8'-1 1/2"		8'-3 1/2"		8'-5 1/2"		8'-7 1/2"		8'-9 1/2" *		* Combo units do not exceed specified width	WIDTH	Unit Dimension	
96"		98"		100"		102"		104"		106"				Rough Opening	Call Size
1-8 / 5-0		1-8 / 5-2		1-8 / 5-4		1-8 / 5-6		1-8 / 5-8		1-8 / 6-0 *					
</															

Single Hung – Operating 1-8 Combo Units

Unit Dimension Rough Opening Call Size		Width																			
		6'-3 1/2"	77	6'-5 1/2"	79	6'-7 1/2"	81	6'-9 1/2"	83	6'-11 1/2"	85	7'-1 1/2"	87	7'-3 1/2"	89	7'-5 1/2"	91	7'-7 1/2"	93	7'-9 1/2"	95
		1-8 / 3-0	3-1	1-8 / 3-2	3-3	1-8 / 3-4	3-5	1-8 / 3-6	3-7	1-8 / 3-8	3-9	1-8 / 4-0	4-1	1-8 / 4-2	4-3	1-8 / 4-4	4-5	1-8 / 4-6	4-7	1-8 / 4-8	4-9
HEIGHT																					
5'-5 1/2"	66"	5-6																			
	67																				
5'-7 1/2"	68"	5-8																			
	69																				
5'-9 1/2"	70"	5-10																			
	71																				
5'-11 1/2"	72"	6-0																			
	73																				
6'-1 1/2"	74"	6-2																			
	75																				
6'-3 1/2"	76"	6-4																			
	77																				
6'-5 1/2"	78"	6-6																			
	79																				
6'-7 1/2"	80"	6-8																			
	81																				
6'-9 1/2"	82"	6-10																			
	83																				
6'-11 1/2"	84"	7-0																			
	85																				
7'-1 1/2"	86"	7-2																			
	87																				
7'-3 1/2"	88"	7-4																			
	89																				
7'-5 1/2"	90"	7-6																			
	91																				
7'-7 1/2"	92"	7-8																			
	93																				
7'-9 1/2"	94"	7-10																			
	95																				
7'-11 1/2"	96"	8-0																			



Single Hung – Operating 1-8 Combo Units

7'-11 1/2"	8'-1 1/2"	8'-3 1/2"	8'-5 1/2"	8'-7 1/2"	8'-9 1/2" *	
96"	97	98"	99	100"	101	102"
103	104"	105	106"	* Combo units do not exceed specified width		
1-8 / 5-0	5-1	1-8 / 5-2	5-3	1-8 / 5-4	5-5	1-8 / 5-6
5-6	1-8 / 5-8	5-9	1-8 / 6-0 *			

Unit Dimension

Rough Opening

Call Size

HEIGHT

5-6

66"

5'-5 1/2"

5-8

68"

5'-7 1/2"

5-10

70"

5'-9 1/2"

6-0

72"

5'-11 1/2"

6-2

74"

6'-1 1/2"

6-4

76"

6'-3 1/2"

6-6

78"

6'-5 1/2"

6-8

80"

6'-7 1/2"

6-10

82"

6'-9 1/2"

7-0

84"

6'-11 1/2"

7-2

86"

7'-1 1/2"

7-4

88"

7'-3 1/2"

7-6

90"

7'-5 1/2"

7-8

92"

7'-7 1/2"

7-10

94"

7'-9 1/2"

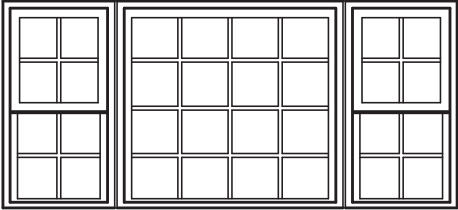
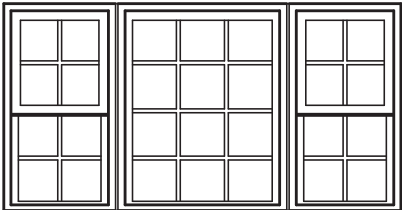
8-0

96"

7'-11 1/2"

Single Hung – Operating 2-0 Combo Units

Unit Dimension Rough Opening Call Size			6'-3 1/2"		6'-5 1/2"		6'-7 1/2"		6'-9 1/2"		6'-11 1/2"		7'-1 1/2"		7'-3 1/2"		7'-5 1/2"		7'-7 1/2"		7'-9 1/2"	
			76"	77	78"	79	80"	81	82"	83	84"	85	86"	87	88"	89	90"	91	92"	93	94"	95
			2-0 / 3-0	3-1	2-0 / 3-2	3-3	2-0 / 3-4	3-5	2-0 / 3-6	3-7	2-0 / 3-8	3-9	2-0 / 4-0	4-1	2-0 / 4-2	4-3	2-0 / 4-4	4-5	2-0 / 4-6	4-7	2-0 / 4-8	4-9
HEIGHT																						
2'-3 1/2"	28"	2-4																				
	29																					
2'-5 1/2"	30"	2-6																				
	31																					
2'-7 1/2"	32"	2-8																				
	33																					
2'-9 1/2"	34"	2-10																				
	35																					
2'-11 1/2"	36"	3-0																				
	37																					
3'-1 1/2"	38"	3-2																				
	39																					
3'-3 1/2"	40"	3-4																				
	41																					
3'-5 1/2"	42"	3-6																				
	43																					
3'-7 1/2"	44"	3-8																				
	45																					
3'-9 1/2"	46"	3-10																				
	47																					
3'-11 1/2"	48"	4-0																				
	49																					
4'-1 1/2"	50"	4-2																				
	51																					
4'-3 1/2"	52"	4-4																				
	53																					
4'-5 1/2"	54"	4-6																				
	55																					
4'-7 1/2"	56"	4-8																				
	57																					
4'-9 1/2"	58"	4-10																				
	59																					
4'-11 1/2"	60"	5-0																				
	61																					
5'-1 1/2"	62"	5-2																				
	63																					
5'-3 1/2"	64"	5-4																				
	65																					



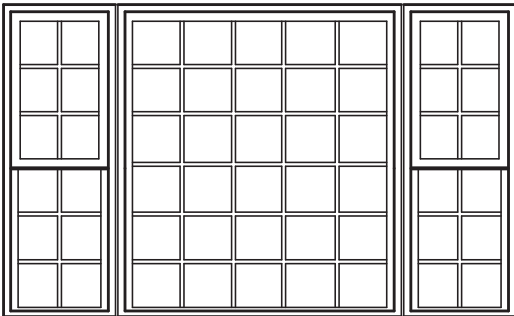
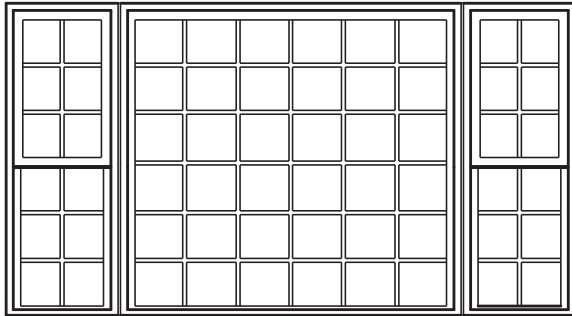
Single Hung – Operating 2-0 Combo Units

7'-11 1/2"	8'-1 1/2"	8'-3 1/2"	8'-5 1/2"	8'-7 1/2"	8'-9 1/2" *						
96"	97	98"	99	100"	101	102"	103	104"	105	106" *	* Combo units do not exceed specified width
2-0/5-0	5-1	2-0/5-2	5-3	2-0/5-4	5-5	2-0/5-6	5-6	2-0/5-8	5-9	2-0/6-0*	

Single Hung – Operating 2-0 Combo Units

Unit Dimension Rough Opening Call Size			WIDTH																							
			6'-3 1/2"		6'-5 1/2"		6'-7 1/2"		6'-9 1/2"		6'-11 1/2"		7'-1 1/2"		7'-3 1/2"		7'-5 1/2"		7'-7 1/2"		7'-9 1/2"					
			76"	77	78"	79	80"	81	82"	83	84"	85	86"	87	88"	89	90"	91	92"	93	94"	95				
			2-0 / 3-0	3-1	2-0 / 3-2	3-3	2-0 / 3-4	3-5	2-0 / 3-6	3-7	2-0 / 3-8	3-9	2-0 / 4-0	4-1	2-0 / 4-2	4-3	2-0 / 4-4	4-5	2-0 / 4-6	4-7	2-0 / 4-8	4-9				
HEIGHT																										
5'-5 1/2"	66"	5-6																								
5'-7 1/2"	68"	5-8																								
5'-9 1/2"	70"	5-10																								
5'-11 1/2"	72"	6-0																								
6'-1 1/2"	74"	6-2																								
6'-3 1/2"	76"	6-4																								
6'-5 1/2"	78"	6-6																								
6'-7 1/2"	80"	6-8																								
6'-9 1/2"	82"	6-10																								
6'-11 1/2"	84"	7-0																								
7'-1 1/2"	86"	7-2																								
7'-3 1/2"	88"	7-4																								
7'-5 1/2"	90"	7-6																								
7'-7 1/2"	92"	7-8																								
7'-9 1/2"	94"	7-10																								
7'-11 1/2"	96"	8-0																								

Single Hung – Operating 2-0 Combo Units

7'-11 1/2"		8'-1 1/2"		8'-3 1/2"		8'-5 1/2"		8'-7 1/2"		8'-9 1/2" *		WIDTH	Unit Dimension			
96"		97	98"	99	100"	101	102"	103	104"	105	106" *		Rough Opening			
2-0 / 5-0		5-1	2-0 / 5-2		5-3	2-0 / 5-4		5-5	2-0 / 5-6		5-6		2-0 / 5-8		5-9	2-0 / 6-0 *
																
																
													5-6	66"	5'-5 1/2"	
													67			
													5-8	68"	5'-7 1/2"	
													69			
													5-10	70"	5'-9 1/2"	
													71			
													6-0	72"	5'-11 1/2"	
													73			
													6-2	74"	6'-1 1/2"	
													75			
													6-4	76"	6'-3 1/2"	
													77			
													6-6	78"	6'-5 1/2"	
													79			
													6-8	80"	6'-7 1/2"	
													81			
													6-10	82"	6'-9 1/2"	
													83			
													7-0	84"	6'-11 1/2"	
													85			
													7-2	86"	7'-1 1/2"	
													87			
													7-4	88"	7'-3 1/2"	
													89			
													7-6	90"	7'-5 1/2"	
													91			
													7-8	92"	7'-7 1/2"	
													93			
													7-10	94"	7'-9 1/2"	
													95			
													8-0	96"	7'-11 1/2"	

* Combo units do not exceed specified width

Single Hung – Fixed Units - Side Lites

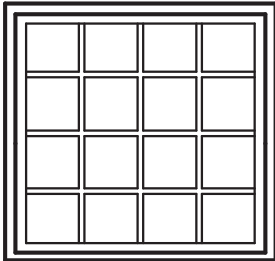
Unit Dimension Rough Opening Call Size		0'-11 1/2" 1'-1 1/2" 1'-3 1/2" 1'-5 1/2"			
		12" 13 14" 15 16" 17 18" 19			
WIDTH		1-0 1-2 1-4 1-6			
HEIGHT					
1'-3 1/2"	16" 17	1-4			
1'-5 1/2"	18" 19	1-6			
1'-7 1/2"	20" 21	1-8			
1'-9 1/2"	22" 23	1-10			
1'-11 1/2"	24" 25	2-0			
2'-1 1/2"	26" 27	2-2			
2'-3 1/2"	28" 29	2-4			
2'-5 1/2"	30" 31	2-6			
2'-7 1/2"	32" 33	2-8			
3'-9 1/2"	34" 35	2-10			
2'-11 1/2"	36" 37	3-0			
3'-1 1/2"	38" 39	3-2			
3'-3 1/2"	40" 41	3-4			
3'-5 1/2"	42" 43	3-6			
3'-7 1/2"	44" 45	3-8			
3'-9 1/2"	46" 47	3-10			
3'-11 1/2"	48" 49	4-0			
4'-1 1/2"	50" 51	4-2			
4'-3 1/2"	52" 53	4-4			
4'-5 1/2"	54" 55	4-6			
4'-7 1/2"	56" 57	4-8			
4'-9 1/2"	58" 59	4-10			
4'-11 1/2"	60" 61	5-0			
5'-1 1/2"	62" 63	5-2			
5'-3 1/2"	64" 65	5-4			
5'-5 1/2"	66" 67	5-6			
5'-7 1/2"	68" 69	5-8			
5'-9 1/2"	70" 71	5-10			
5'-11 1/2"	72" 73	6-0			
6'-1 1/2"	74" 75	6-2			
6'-3 1/2"	76" 77	6-4			
6'-5 1/2"	78" 79	6-6			
6'-7 1/2"	80" 81	6-8			
6'-9 1/2"	82" 83	6-10			
6'-11 1/2"	84" 85	7-0			
7'-1 1/2"	86" 87	7-2			
7'-3 1/2"	88" 89	7-4			
7'-5 1/2"	90" 91	7-6			
7'-7 1/2"	92" 93	7-8			
7'-9 1/2"	94" 95	7-10			
7'-11 1/2"	96" 97	8-0			

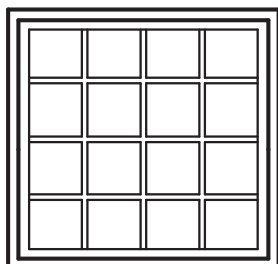


Single Hung – Fixed Units - Picture

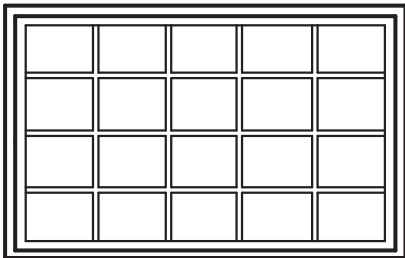
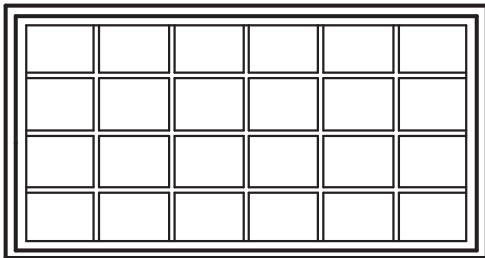
Unit Dimension													Width	Rough Opening																
Call Size														Height																
0'-11 1/2"	1'-1 1/2"	1'-3 1/2"	1'-5 1/2"	1'-7 1/2"	1'-9 1/2"	1'-11 1/2"	2'-1 1/2"	2'-3 1/2"	2'-5 1/2"	2'-7 1/2"	2'-9 1/2"	2'-11 1/2"	3'-1 1/2"																	
12"	13	14"	15	16"	17	18"	19	20"	21	22"	23	24"	25	26"	27	28"	29	30"	31	32"	33	34"	35	36"	37	38"	39			
1-0		1-2		1-4		1-6		1-8		1-10		2-0		2-2		2-4		2-6		2-8		2-10		3-0		3-2				
																	2-4	28"	2'-3 1/2"											
																	2-6	30"	2'-5 1/2"											
																	2-8	32"	2'-7 1/2"											
																	2-10	34"	2'-9 1/2"											
																	3-0	36"	2'-11 1/2"											
																	3-2	38"	3'-1 1/2"											
																	3-4	40"	3'-3 1/2"											
																	3-6	42"	3'-5 1/2"											
																	3-8	44"	3'-7 1/2"											
																	3-10	46"	3'-9 1/2"											
																	4-0	48"	3'-11 1/2"											
																	4-2	50"	4'-1 1/2"											
																	4-4	52"	4'-3 1/2"											
																	4-6	54"	4'-5 1/2"											
																	4-8	56"	4'-7 1/2"											
																	4-10	58"	4'-9 1/2"											
5-0	60"	4'-11 1/2"																												
5-2	62"	5'-1 1/2"																												
5-4	64"	5'-3 1/2"																												

Single Hung – Fixed Units - Picture

Unit Dimension Rough Opening Call Size			WIDTH																			
			3'-3 1/2"	3'-5 1/2"	3'-7 1/2"	3'-9 1/2"	3'-11 1/2"	4'-1 1/2"	4'-3 1/2"	4'-5 1/2"	4'-7 1/2"	4'-9 1/2"										
			40"	41	42"	43	44"	45	46"	47	48"	49	50"	51	52"	53	54"	55	56"	57	58"	59
			3-4		3-6		3-8		3-10		4-0		4-2		4-4		4-6		4-8		4-10	
HEIGHT																						
2'-3 1/2"	28"	2-4																				
	29																					
2'-5 1/2"	30"	2-6																				
	31																					
2'-7 1/2"	32"	2-8																				
	33																					
2'-9 1/2"	34"	2-10																				
	35																					
2'-11 1/2"	36"	3-0																				
	37																					
3'-1 1/2"	38"	3-2																				
	39																					
3'-3 1/2"	40"	3-4																				
	41																					
3'-5 1/2"	42"	3-6																				
	43																					
3'-7 1/2"	44"	3-8																				
	45																					
3'-9 1/2"	46"	3-10																				
	47																					
3'-11 1/2"	48"	4-0																				
	49																					
4'-1 1/2"	50"	4-2																				
	51																					
4'-3 1/2"	52"	4-4																				
	53																					
4'-5 1/2"	54"	4-6																				
	55																					
4'-7 1/2"	56"	4-8																				
	57																					
4'-9 1/2"	58"	4-10																				
	59																					
4'-11 1/2"	60"	5-0																				
	61																					
5'-1 1/2"	62"	5-2																				
	63																					
5'-3 1/2"	64"	5-4																				
	65																					



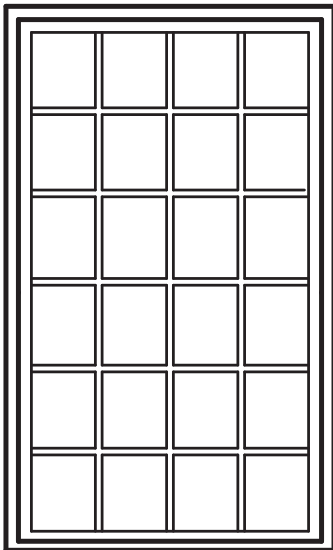
Single Hung – Fixed Units - Picture

4'-11 1/2"	5'-1 1/2"	5'-3 1/2"	5'-5 1/2"	5'-7 1/2"	5'-9 1/2"	5'-11 1/2"	WIDTH	Unit Dimension Rough Opening Cell Size								
60"	61	62"	63	64"	65	66"		67	68"	69	70"	71	72"			
5-0	5-2	5-4	5-6	5-8	5-10	6-0										
														HEIGHT		
														2-4	28"	2'-3 1/2"
														29		
														2-6	30"	2'-5 1/2"
														31		
														2-8	32"	2'-7 1/2"
														33		
														2-10	34"	2'-9 1/2"
														35		
														3-0	36"	2'-11 1/2"
														37		
														3-2	38"	3'-1 1/2"
														39		
														3-4	40"	3'-3 1/2"
														41		
														3-6	42"	3'-5 1/2"
														43		
														3-8	44"	3'-7 1/2"
														45		
														3-10	46"	3'-9 1/2"
														47		
														4-0	48"	3'-11 1/2"
														49		
														4-2	50"	4'-1 1/2"
														51		
														4-4	52"	4'-3 1/2"
														53		
														4-6	54"	4'-5 1/2"
														55		
														4-8	56"	4'-7 1/2"
														57		
														4-10	58"	4'-9 1/2"
														59		
														5-0	60"	4'-11 1/2"
														61		
														5-2	62"	5'-1 1/2"
														63		
														5-4	64"	5'-3 1/2"
														65		

Single Hung – Fixed Units - Picture

Unit Dimension			WIDTH														
Unit Dimension	Rough Opening	Call Size	0'-11 1/2"	1'-1 1/2"	1'-3 1/2"	1'-5 1/2"	1'-7 1/2"	1'-9 1/2"	1'-11 1/2"	2'-1 1/2"	2'-3 1/2"	2'-5 1/2"	2'-7 1/2"	2'-9 1/2"	2'-11 1/2"	3'-1 1/2"	
			12"	14"	16"	18"	20"	22"	24"	26"	28"	30"	32"	34"	36"	38"	
HEIGHT			1-0	1-2	1-4	1-6	1-8	1-10	2-0	2-2	2-4	2-6	2-8	2-10	3-0	3-2	
5'-5 1/2"	66"	5-6															
5'-7 1/2"	68"	5-8															
5'-9 1/2"	70"	5-10															
5'-11 1/2"	72"	6-0															
6'-1 1/2"	76"	6-2															
6'-3 1/2"	78"	6-4															
6'-5 1/2"	80"	6-6															
6'-7 1/2"	82"	6-8															
6'-9 1/2"	84"	6-10															
6'-11 1/2"	86"	7-0															
7'-1 1/2"	88"	7-2															
7'-3 1/2"	90"	7-4															
7'-5 1/2"	92"	7-6															
7'-7 1/2"	94"	7-8															
7'-9 1/2"	96"	7-10															
7'-11 1/2"	98"	8-0															

Single Hung – Fixed Units - Picture

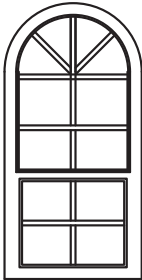
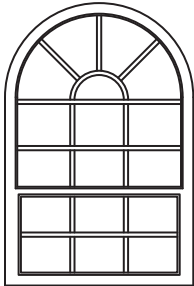
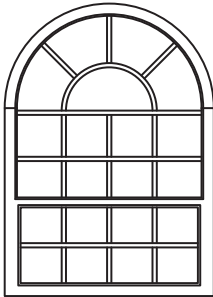
3'-3 1/2"	3'-5 1/2"	3'-7 1/2"	3'-9 1/2"	3'-11 1/2"	4'-1 1/2"	4'-3 1/2"	4'-5 1/2"	4'-7 1/2"	4'-9 1/2"	WIDTH	Unit Dimension												
40"	41	42"	43	44"	45	46"	47	48"	49		50"	51	52"	53	54"	55	56"	57	58"	59	Rough Opening		
3-4	3-6	3-8	3-10	4-0	4-2	4-4	4-6	4-8	4-10		Call Size												
											HEIGHT												
											5-6	66"	5'-5 1/2'										
											5-8	67	5'-7 1/2'										
											5-10	68"	5'-9 1/2'										
											6-0	69	5'-11 1/2'										
											6-2	70"	6'-1 1/2'										
											6-4	71	6'-3 1/2'										
											6-6	72"	6'-5 1/2'										
											6-8	75	6'-7 1/2'										
											6-10	76"	6'-9 1/2'										
											7-0	77	6'-11 1/2'										
											7-2	78"	7'-1 1/2'										
											7-4	79	7'-3 1/2'										
											7-6	80"	7'-5 1/2'										
											7-8	81	7'-7 1/2'										
											7-10	82"	7'-9 1/2'										
8-0	83	7'-11 1/2'																					

Single Hung – Fixed Units - Picture

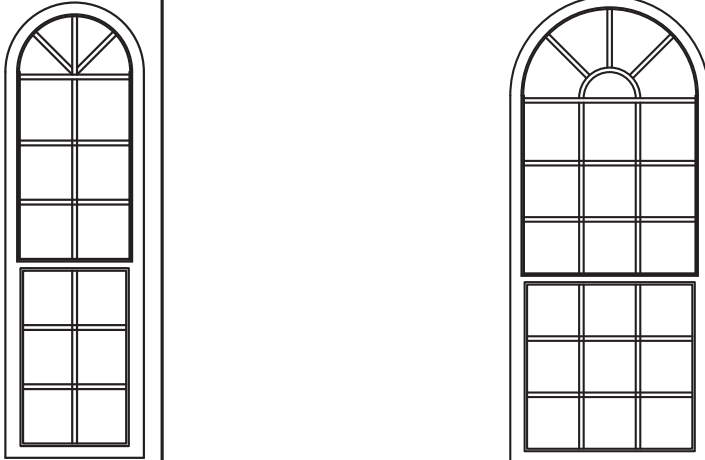
Unit Dimension Rough Opening Call Size			WIDTH		HEIGHT		Unit Dimension Rough Opening Call Size		WIDTH		HEIGHT																									
4'-11 1/2"	5'-1 1/2"	5'-3 1/2"	5'-5 1/2"	5'-7 1/2"	5'-9 1/2"	5'-11 1/2"	6'-1 1/2"	6'-3 1/2"	6'-5 1/2"	6'-7 1/2"	6'-9 1/2"	6'-11 1/2"	7'-1 1/2"	7'-3 1/2"	7'-5 1/2"	7'-7 1/2"	7'-9 1/2"	7'-11 1/2"																		
60"	61"	62"	63"	64"	65"	66"	67"	68"	69"	70"	71"	72"	73"	74"	75"	76"	77"	78"	79"	80"	81"	82"	83"	84"	85"	86"	87"	88"	89"	90"	91"	92"	93"	94"	95"	96"
5-0	5-2	5-4	5-6	5-8	5-10	6-0	6-2	6-4	6-6	6-8	6-10	7-0	7-2	7-4	7-6	7-8	7-10	8-0																		
5'-5 1/2"	66"	5-6																																		
5'-7 1/2"	68"	5-8																																		
5'-9 1/2"	70"	5-10																																		
5'-11 1/2"	72"	6-0																																		
6'-1 1/2"	76"	6-2																																		
6'-3 1/2"	78"	6-4																																		
6'-5 1/2"	80"	6-6																																		
6'-7 1/2"	82"	6-8																																		
6'-9 1/2"	84"	6-10																																		
6'-11 1/2"	86"	7-0																																		
7'-1 1/2"	88"	7-2																																		
7'-3 1/2"	90"	7-4																																		
7'-5 1/2"	92"	7-6																																		
7'-7 1/2"	94"	7-8																																		
7'-9 1/2"	96"	7-10																																		
7'-11 1/2"	98"	8-0																																		

Single Hung – Operating True Radius Units

Standard Colonial Grille Pattern Widths

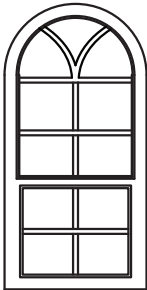
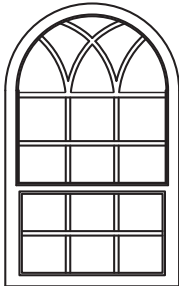
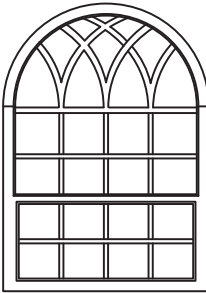
Unit Dimension Rough Opening Call Size			WIDTH																			
			1'-11 1/2"	2'-1 1/2"	2'-3 1/2"	2'-5 1/2"	2'-7 1/2"	2'-9 1/2"	2'-11 1/2"	3'-1 1/2"	3'-3 1/2"											
			24"	25	26"	27	28"	29	30"	31	32"	33	34"	35	36"	37	38"	39	40"			
			2-0		2-2		2-4		2-6		2-8		2-10		3-0		3-2		3-4			
HEIGHT																						
2'-3 1/2"	28"	2-4																				
2'-5 1/2"	30"	2-6																				
2'-7 1/2"	32"	2-8																				
2'-9 1/2"	34"	2-10																				
2'-11 1/2"	36"	3-0																				
3'-1 1/2"	38"	3-2																				
3'-3 1/2"	40"	3-4																				
3'-5 1/2"	42"	3-6																				
3'-7 1/2"	44"	3-8																				
3'-9 1/2"	46"	3-10																				
3'-11 1/2"	48"	4-0																				
4'-1 1/2"	50"	4-2																				
4'-3 1/2"	52"	4-4																				
4'-5 1/2"	54"	4-6																				
4'-7 1/2"	56"	4-8																				
4'-9 1/2"	58"	4-10																				
4'-11 1/2"	60"	5-0																				
5'-1 1/2"	62"	5-2																				
5'-3 1/2"	64"	5-4																				

Standard Colonial Grille Pattern Widths

1'-11 1/2" 2'-1 1/2" 2'-3 1/2" 2'-5 1/2" 2'-7 1/2" 2'-9 1/2" 2'-11 1/2" 3'-1 1/2" 3'-3 1/2" 3'-5 1/2" 3'-7 1/2" 3'-9 1/2" 3'-11 1/2"														WIDTH	Unit Dimension Rough Opening Call Size										
24"	25	26"	27	28"	29	30"	31	32"	33	34"	35	36"	37		38"	39	40"	41	42"	43	44"	45	46"	47	48"
2-0		2-2		2-4		2-6		2-8		2-10		3-0		3-2		3-4		3-6		3-8		3-10		4-0	
														HEIGHT											
														5-6	66"	5'-5 1/2"									
															67										
														5-8	68"	5'-7 1/2"									
															69										
														5-10	70"	5'-9 1/2"									
															71										
														6-0	72"	5'-11 1/2"									
															73										
														6-2	74"	6'-1 1/2"									
															75										
														6-4	76"	6'-3 1/2"									
															77										
														6-6	78"	6'-5 1/2"									
	79																								
6-8	80"	6'-7 1/2"																							
	81																								
6-10	82"	6'-9 1/2"																							
	83																								
7-0	84"	6'-11 1/2"																							
	85																								
7-2	86"	7'-1 1/2"																							
	87																								
7-4	88"	7'-3 1/2"																							
	89																								
7-6	90"	7'-5 1/2"																							
	91																								
7-8	92"	7'-7 1/2"																							
	93																								
7-10	94"	7'-9 1/2"																							
	95																								
8-0	96"	7'-11 1/2"																							

Single Hung – Operating True Radius Units

Standard Gothic Grille Pattern Widths

Unit Dimension Rough Opening Call Size			WIDTH																													
			1'-11 1/2"	2'-1 1/2"	2'-3 1/2"	2'-5 1/2"	2'-7 1/2"	2'-9 1/2"	2'-11 1/2"	3'-1 1/2"	3'-3 1/2"																					
			24"	25	26"	27	28"	29	30"	31	32"	33	34"	35	36"	37	38"	39	40"													
			2-0		2-2		2-4		2-6		2-8		2-10		3-0		3-2		3-4													
HEIGHT																																
2'-3 1/2"	28"	2-4																														
2'-5 1/2"	30"	2-6																														
2'-7 1/2"	32"	2-8																														
2'-9 1/2"	34"	2-10																														
2'-11 1/2"	36"	3-0																														
3'-1 1/2"	38"	3-2																														
3'-3 1/2"	40"	3-4																														
3'-5 1/2"	42"	3-6																														
3'-7 1/2"	44"	3-8																														
3'-9 1/2"	46"	3-10																														
3'-11 1/2"	48"	4-0																														
4'-1 1/2"	50"	4-2																														
4'-3 1/2"	52"	4-4																														
4'-5 1/2"	54"	4-6																														
4'-7 1/2"	56"	4-8																														
4'-9 1/2"	58"	4-10																														
4'-11 1/2"	60"	5-0																														
5'-1 1/2"	62"	5-2																														
5'-3 1/2"	64"	5-4																														

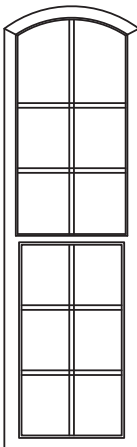
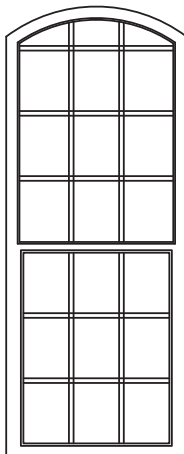
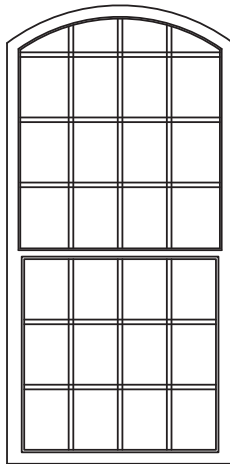
35

Single Hung – Operating Arch Units

Standard Colonial Grille Pattern Widths

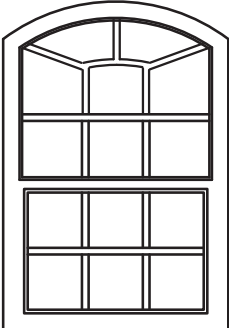
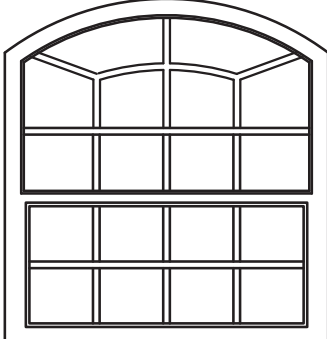
Unit Dimension Rough Opening Call Size			WIDTH								
			1'-11 1/2"	2'-1 1/2"	2'-3 1/2"	2'-5 1/2"	2'-7 1/2"	2'-9 1/2"	2'-11 1/2"	3'-1 1/2"	3'-3 1/2"
			24"	26"	28"	30"	32"	34"	36"	38"	40"
			2-0	2-2	2-4	2-6	2-8	2-10	3-0	3-2	3-4
HEIGHT											
2'-3 1/2"	28"	2-4									
	29										
2'-5 1/2"	30"	2-6									
	31										
2'-7 1/2"	32"	2-8									
	33										
2'-9 1/2"	34"	2-10									
	35										
2'-11 1/2"	36"	3-0									
	37										
3'-1 1/2"	38"	3-2									
	39										
3'-3 1/2"	40"	3-4									
	41										
3'-5 1/2"	42"	3-6									
	43										
3'-7 1/2"	44"	3-8									
	45										
3'-9 1/2"	46"	3-10									
	47										
3'-11 1/2"	48"	4-0									
	49										
4'-1 1/2"	50"	4-2									
	51										
4'-3 1/2"	52"	4-4									
	53										
4'-5 1/2"	54"	4-6									
	55										
4'-7 1/2"	56"	4-8									
	57										
4'-9 1/2"	58"	4-10									
	59										
4'-11 1/2"	60"	5-0									
	61										
5'-1 1/2"	62"	5-2									
	63										
5'-3 1/2"	64"	5-4									
	65										

Standard Colonial Grille Pattern Widths

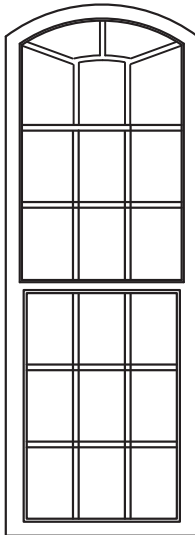
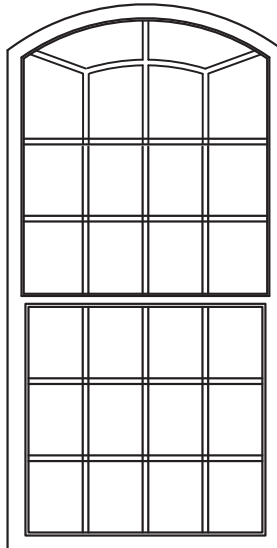
										WIDTH	Unit Dimension									
											Rough Opening	Call Size								
1'-11 1/2"	2'-1 1/2"	2'-3 1/2"	2'-5 1/2"	2'-7 1/2"	2'-9 1/2"	2'-11 1/2"	3'-1 1/2"	3'-3 1/2"												
24"	25	26"	27	28"	29	30"	31	32"	33	34"	35	36"	37	38"	39	40"				
2-0	2-2	2-4	2-6	2-8	2-10	3-0	3-2	3-4												
																		HEIGHT		
																		5-6	66"	5'-5 1/2"
																			67	
																		5-8	68"	5'-7 1/2"
																			69	
																		5-10	70"	5'-9 1/2"
																			71	
																		6-0	72"	5'-11 1/2"
																			73	
																		6-2	74"	6'-1 1/2"
																				

Single Hung – Operating Arch Units

Standard Renaissance Grille Pattern Widths

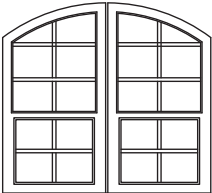
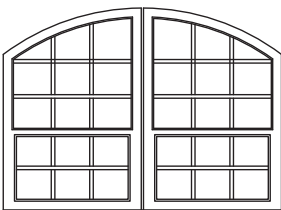
Unit Dimension Rough Opening Call Size			WIDTH						
			2'-3 1/2"	2'-5 1/2"	2'-7 1/2"	2'-9 1/2"	2'-11 1/2"	3'-1 1/2"	3'-3 1/2"
			28"	30"	32"	34"	36"	38"	40"
HEIGHT			2-4	2-6	2-8	2-10	3-0	3-2	3-4
2'-3 1/2"	28"	2-4	 						
2'-5 1/2"	30"	2-6							
2'-7 1/2"	32"	2-8							
2'-9 1/2"	34"	2-10							
2'-11 1/2"	36"	3-0							
3'-1 1/2"	38"	3-2							
3'-3 1/2"	40"	3-4							
3'-5 1/2"	42"	3-6							
3'-7 1/2"	44"	3-8							
3'-9 1/2"	46"	3-10							
3'-11 1/2"	48"	4-0							
4'-1 1/2"	50"	4-2							
4'-3 1/2"	52"	4-4							
4'-5 1/2"	54"	4-6							
4'-7 1/2"	56"	4-8							
4'-9 1/2"	58"	4-10							
4'-11 1/2"	60"	5-0							
5'-1 1/2"	62"	5-2							
5'-3 1/2"	64"	5-4							

Standard Renaissance Grille Pattern Widths

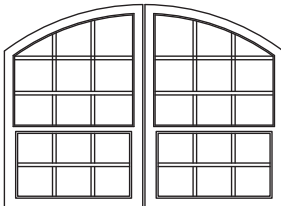
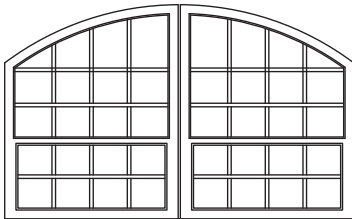
2'-3 1/2" 2'-5 1/2" 2'-7 1/2" 2'-9 1/2" 2'-11 1/2" 3'-1 1/2" 3'-3 1/2"												WIDTH	Unit Dimension		
28" 29 30" 31 32" 33 34" 35 36" 37 38" 39 40"													Rough Opening		
2-4 2-6 2-8 2-10 3-0 3-2 3-4													Call Size		
													HEIGHT		
													5-6	66"	5'-5 1/2"
														67	
													5-8	68"	5'-7 1/2"
														69	
													5-10	70"	5'-9 1/2"
														71	
													6-0	72"	5'-11 1/2"
														73	
													6-2	74"	6'-1 1/2"

Single Hung – Uneven Leg Arch Units

Standard Colonial Grille Pattern (optional patterns available) Widths

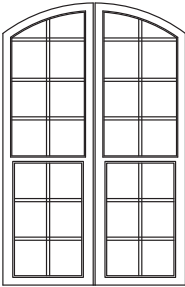
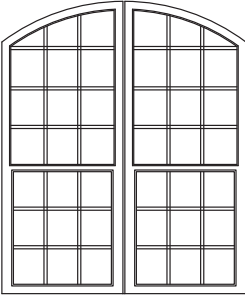
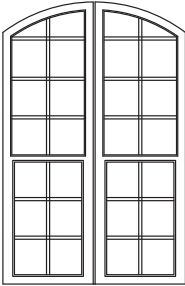
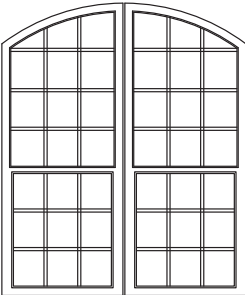
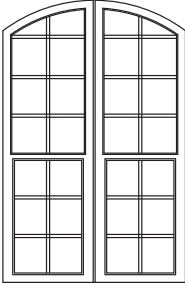
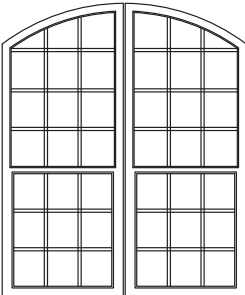
Unit Dimension			WIDTH					
Rough Opening			4'-11 1/2" (1'-11 1/2")	4'-1 1/2" (2'-1 1/2")	4'-3 1/2" (2'-3 1/2")	4'-11 1/2" (2'-5 1/2")	5'-3 1/2" (2'-7 1/2")	5'-7 1/2" (2'-9 1/2")
Call Size			48"	52"	56"	60"	64"	68"
HEIGHT			2-0 TW	2-2 TW	2-4 TW	2-6 TW	2-8 TW	2-10 TW
2'-3 1/2"	28"	2-4						
2'-5 1/2"	30"	2-6						
2'-7 1/2"	32"	2-8						
2'-9 1/2"	34"	2-10						
2'-11 1/2"	36"	3-0						
3'-1 1/2"	38"	3-2						
3'-3 1/2"	40"	3-4						
3'-5 1/2"	42"	3-6						
3'-7 1/2"	44"	3-8						
3'-9 1/2"	46"	3-10						
3'-11 1/2"	48"	4-0						
4'-1 1/2"	50"	4-2						
4'-3 1/2"	52"	4-4						
4'-5 1/2"	54"	4-6						
4'-7 1/2"	56"	4-8						
4'-9 1/2"	58"	4-10						
4'-11 1/2"	60"	5-0						
5'-1 1/2"	62"	5-2						
5'-3 1/2"	64"	5-4						

Standard Colonial Grille Pattern (optional patterns available) Widths

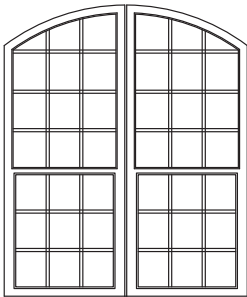
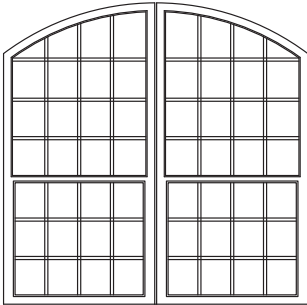
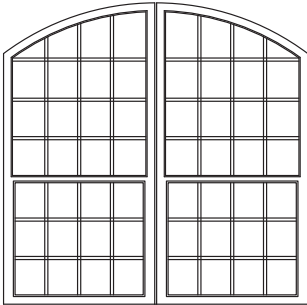
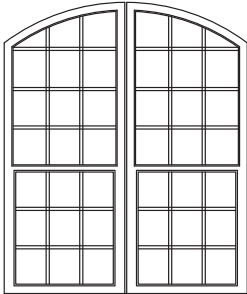
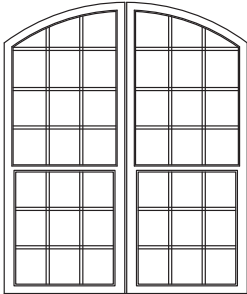
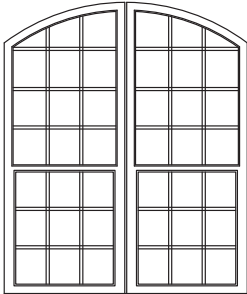
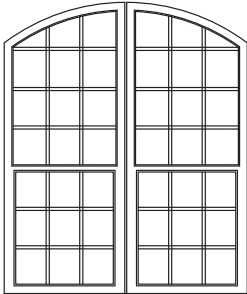
5'-11 1/2" (2'-11 1/2")			6'-3 1/2" (3'-1 1/2")			6'-7 1/2" (3'-3 1/2")			WIDTH	Unit Dimension Rough Opening Call Size	HEIGHT
72"			76"			80"					
3-0 TW			3-2 TW			3-4 TW					
											
									2-4		
									2-6		
									2-8		
									2-10		
									3-0		
									3-2		
									3-4		
									3-6		
									3-8		
3-10											
4-0											
4-2											
4-4											
4-6											
4-8											
4-10											
5-0											
5-2											
5-4											

Single Hung – Uneven Leg Arch Units

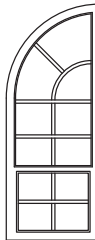
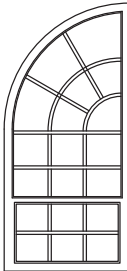
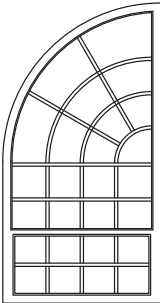
Standard Colonial Grille Pattern (optional patterns available) Widths

Unit Dimension			WIDTH					
Rough Opening			4'-11 1/2" (1'-11 1/2")	4'-1 1/2" (2'-1 1/2")	4'-3 1/2" (2'-3 1/2")	4'-11 1/2" (2'-5 1/2")	5'-3 1/2" (2'-7 1/2")	5'-7 1/2" (2'-9 1/2")
Call Size			48"	52"	56"	60"	64"	68"
HEIGHT			2-0 TW	2-2 TW	2-4 TW	2-6 TW	2-8 TW	2-10 TW
5-6	66"	5'-5 1/2"						
5-8	68"	5'-7 1/2"						
5-10	70"	5'-9 1/2"						
6-0	72"	5'-11 1/2"						
6-2	74"	6'-1 1/2"						

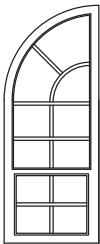
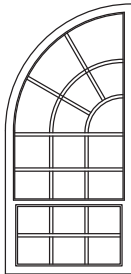
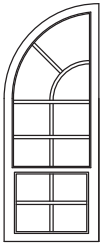
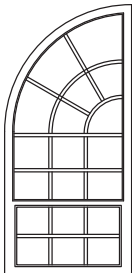
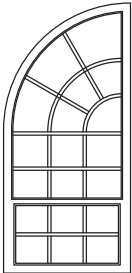
Standard Colonial Grille Pattern (optional patterns available) Widths

5'-11 1/2" (2'-11 1/2")			6'-3 1/2" (3'-1 1/2")			6'-7 1/2" (3'-3 1/2")			WIDTH	Unit Dimension Rough Opening Call Size		
72"	76"	80"	72"	76"	80"	72"	76"	80"		HEIGHT		
3-0 TW	3-2 TW	3-4 TW	3-0 TW	3-2 TW	3-4 TW	3-0 TW	3-2 TW	3-4 TW				
										5-6	66"	5'-5 1/2"
											67	
										5-8	68"	5'-7 1/2"
											69	
										5-10	70"	5'-9 1/2"
											71	
										6-0	72"	5'-11 1/2"
											73	
										6-2	74"	6'-1 1/2"

Single Hung – Extended Quarter Circle Units

Unit Dimension			WIDTH									
Rough Opening	Call Size	HEIGHT	1'-11 1/2"	2'-1 1/2"	2'-3 1/2"	2'-5 1/2"	2'-7 1/2"	2'-9 1/2"	2'-11 1/2"	3'-1 1/2"	3'-3 1/2"	
			24"	26"	28"	30"	32"	34"	36"	38"	40"	
			2-0	2-2	2-4	2-6	2-8	2-10	3-0	3-2	3-4	
2'-3 1/2"	28"	2-4										
29												
2'-5 1/2"	30"	2-6										
31												
2'-7 1/2"	32"	2-8										
33												
2'-9 1/2"	34"	2-10										
35												
2'-11 1/2"	36"	3-0										
37												
3'-1 1/2"	38"	3-2										
39												
3'-3 1/2"	40"	3-4										
41												
3'-5 1/2"	42"	3-6										
43												
3'-7 1/2"	44"	3-8										
45												
3'-9 1/2"	46"	3-10										
47												
3'-11 1/2"	48"	4-0										
49												
4'-1 1/2"	50"	4-2										
51												

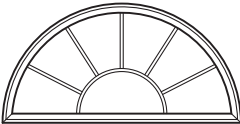
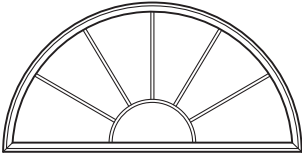
Single Hung – Extended Quarter Circle Units

										WIDTH	Unit Dimension		
1'-11 1/2"	2'-1 1/2"	2'-3 1/2"	2'-5 1/2"	2'-7 1/2"	2'-9 1/2"	2'-11 1/2"	3'-1 1/2"	Rough Opening	Call Size		HEIGHT		
24"	26"	28"	30"	32"	34"	36"	38"	39					
2-0	2-2	2-4	2-6	2-8	2-10	3-0	3-2						
 											3-10	46"	3'-9 1/2"
											4-0	48"	3'-11 1/2"
											4-2	50"	4'-1 1/2"
 											4-4	52"	4'-3 1/2"
 											4-6	54"	4'-5 1/2"

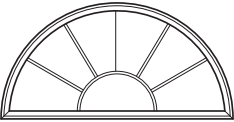
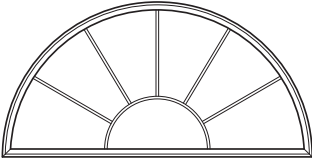
Single Widths

Unit Dimension Rough Opening Call Size	WIDTH									
	1'-11 1/2"	2'-1 1/2"	2'-3 1/2"	2'-5 1/2"	2'-7 1/2"	2'-9 1/2"	2'-11 1/2"	3'-1 1/2"	3'-3 1/2"	
	24"	26"	28"	30"	32"	34"	36"	38"	40"	
	2-0	2-2	2-4	2-6	2-8	2-10	3-0	3-2	3-4	
										

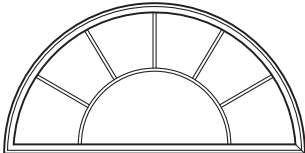
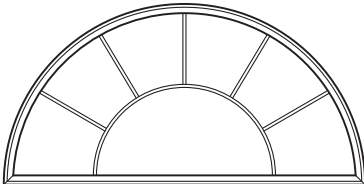
Twin Widths

Unit Dimension Rough Opening Call Size	WIDTH											
	3'-3 1/2"	3'-7 1/2"	3'-11 1/2"	4'-3 1/2"	4'-7 1/2"	4'-11 1/2"	5'-3 1/2"	5'-7 1/2"	5'-11 1/2"	6'-3 1/2"	6'-7 1/2"	
	40"	44"	48"	52"	56"	60"	64"	68"	72"	76"	80"	
	1-8 Twin	1-10 Twin	2-0 Twin	2-2 Twin	2-4 Twin	2-6 Twin	2-8 Twin	2-10 Twin	3-0 Twin	3-2 Twin	3-4 Twin	
												

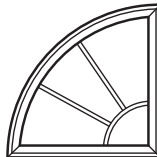
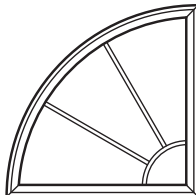
Triple Widths

Unit Dimension Rough Opening Call Size	WIDTH						
	4'-11 1/2"	5'-5 1/2"	5'-11 1/2"	6'-5 1/2"	6'-11 1/2"	7'-5 1/2"	7'-11 1/2"
	60"	66"	72"	78"	84"	90"	96"
	1-8 Triple	1-10 Triple	2-0 Triple	2-2 Triple	2-4 Triple	2-6 Triple	2-8 Triple
							

Quad Widths

Unit Dimension Rough Opening Call Size	WIDTH		
	6'-7 1/2"	7'-3 1/2"	7'-11 1/2"
	80"	84"	92"
	1-8 Quad	1-10 Quad	2-0 Quad
			
			

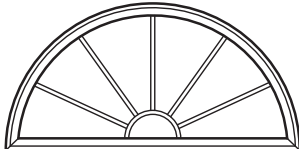
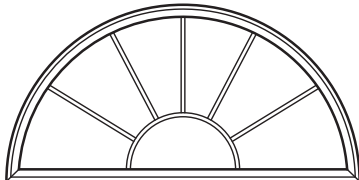
Quarter Circle Widths

Unit Dimension Rough Opening Call Size	WIDTH											
	3'-3 1/2"	3'-7 1/2"	3'-11 1/2"	4'-3 1/2"	4'-7 1/2"	4'-11 1/2"	5'-3 1/2"	5'-7 1/2"	5'-11 1/2"	6'-3 1/2"	6'-7 1/2"	
	40"	42"	48"	52"	56"	60"	64"	68"	72"	74"	76"	80"
	1-8 Twin	1-10 Twin	2-0 Twin	2-2 Twin	2-4 Twin	2-6 Twin	2-8 Twin	2-10 Twin	3-0 Twin	3-2 Twin	3-4 Twin	
												

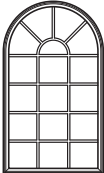
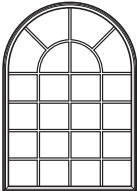
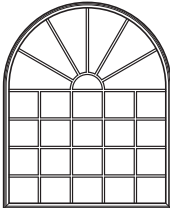
Picture Widths

Unit Dimension Rough Opening Call Size	WIDTH	2'-11 1/2"	3'-1 1/2"	3'-3 1/2"	3'-5 1/2"	3'-7 1/2"	3'-9 1/2"	3'-11 1/2"	4'-1 1/2"	4'-3 1/2"	4'-5 1/2"	4'-7 1/2"	4'-9 1/2"
		36"	38"	40"	42"	44"	46"	48"	50"	52"	54"	56"	58"
		3-0	3-2	3-4	3-6	3-8	3-10	4-0	4-2	4-4	4-6	4-8	4-10
													

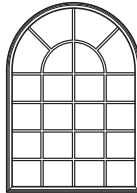
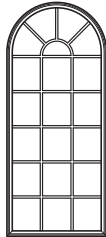
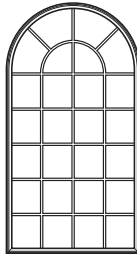
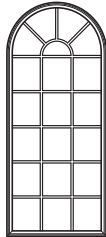
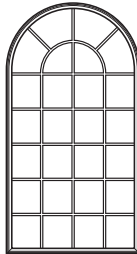
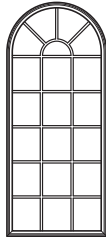
Picture Widths

4'-11 1/2"	5'-1 1/2"	5'-3 1/2"	5'-5 1/2"	5'-7 1/2"	5'-9 1/2"	5'-11 1/2"	WIDTH	Unit Dimension Rough Opening Call Size								
60"	61	62"	63	64"	65	66"					67	68"	69	70"	71	72"
5-0	5-2	5-4	5-6	5-8	5-10	6-0										
																
																

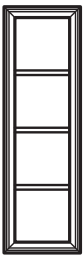
Standard Colonial Grille Pattern Widths

Unit Dimension Rough Opening Call Size			WIDTH																																									
HEIGHT			2'-11 1/2"	3'-1 1/2"	3'-3 1/2"	3'-5 1/2"	3'-7 1/2"	3'-9 1/2"	3'-11 1/2"	4'-1 1/2"	4'-3 1/2"	4'-5 1/2"	4'-7 1/2"	4'-9 1/2"	4'-11 1/2"																													
			36"	38"	40"	42"	44"	46"	48"	50"	52"	54"	56"	58"	60"																													
			3-0	3-2	3-4	3-6	3-8	3-10	4-0	4-2	4-4	4-6	4-8	4-10	5-0																													
2'-3 1/2"	28"	2-4																																										
2'-5 1/2"	30"	2-6																																										
2'-7 1/2"	32"	2-8																																										
2'-9 1/2"	34"	2-10																																										
2'-11 1/2"	36"	3-0																																										
3'-1 1/2"	38"	3-2																																										
3'-3 1/2"	40"	3-4																																										
3'-5 1/2"	42"	3-6																																										
3'-7 1/2"	44"	3-8																																										
3'-9 1/2"	46"	3-10																																										
3'-11 1/2"	48"	4-0																																										
4'-1 1/2"	50"	4-2																																										
4'-3 1/2"	52"	4-4																																										
4'-5 1/2"	54"	4-6																																										
4'-7 1/2"	56"	4-8																																										
4'-9 1/2"	58"	4-10																																										
4'-11 1/2"	60"	5-0																																										

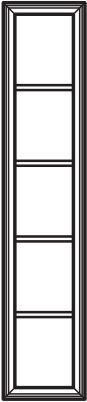
Single Hung – True Radius Units

2'-11 1/2"		3'-1 1/2"		3'-3 1/2"		3'-5 1/2"		3'-7 1/2"		3'-9 1/2"		3'-11 1/2"		4'-1 1/2"		4'-3 1/2"		4'-5 1/2"		4'-7 1/2"		4'-9 1/2"		WIDTH	Unit Dimension Rough Opening Cell Size		
36"	36	38"	39	40"	41	42"	43	44"	45	46"	47	48"	49	50"	51	52"	53	54"	55	56"	57	58"	59				
3-0		3-2		3-4		3-6		3-8		3-10		4-0		4-2		4-4		4-6		4-8		4-10		HEIGHT			
																								5-2	61	62"	5'-1 1/2"
																									63		
																								5-4	64"	64"	5'-3 1/2"
																									65		
																								5-6	66"	66"	5'-5 1/2"
																									67		
																								5-8	68"	68"	5'-7 1/2"
																									69		
																								5-10	70"	70"	5'-9 1/2"
																									71		
																								6-0	72"	72"	5'-11 1/2"
																									73		
																								6-2	74"	74"	6'-1 1/2"

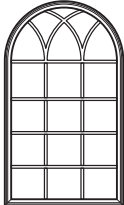
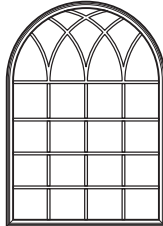
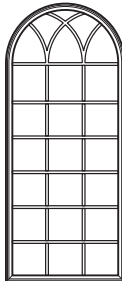
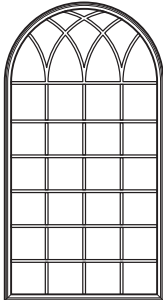
Standard Colonial Grille Pattern Widths

			Unit Dimension Rough Opening Call Size			WIDTH		
						0'-11 1/2"	1'-1 1/2"	1'-3 1/2"
						12"	13 14"	15 16"
						1-0	1-2	1-4
HEIGHT								
3'-7 1/2"	44"	3-8						
	45							
3'-9 1/2"	46"	3-10						
	47							
3'-11 1/2"	48"	4-0						
	49							
4'-1 1/2"	50"	4-2						
	51							
4'-3 1/2"	52"	4-4						
	53							
4'-5 1/2"	54"	4-6						
	55							
4'-7 1/2"	56"	4-8						
	57							
4'-9 1/2"	58"	4-10						
	59							
4'-11 1/2"	60"	5-0						
	61							
5'-1 1/2"	62"	5-2						
	63							
5'-3 1/2"	64"	5-4						
	65							
5'-5 1/2"	66"	5-6						
	67							
5'-7 1/2"	68"	5-8						
	69							
5'-9 1/2"	70"	5-10						
	71							

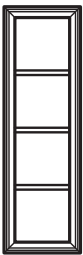
Standard Colonial Grille Pattern Widths

WIDTH			Unit Dimension Rough Opening Call Size	HEIGHT
0'-11 1/2"	1'-1 1/2"	1'-3 1/2"		
12"	13 14"	15 16"		
1-0	1-2	1-4		
				
				6-0 72" 5'-11 1/2"
				73
				6-2 74" 6'-1 1/2"

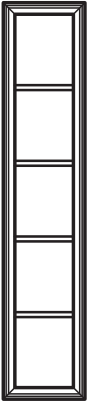
Optional Gothic Grille Pattern Widths

2'-11 1/2" 3'-1 1/2" 3'-3 1/2" 3'-5 1/2" 3'-7 1/2" 3'-9 1/2" 3'-11 1/2" 4'-1 1/2" 4'-3 1/2" 4'-5 1/2" 4'-7 1/2" 4'-9 1/2"																								WIDTH	Unit Dimension Rough Opening Cell Size	
36" 36 38" 39 40" 41 42" 43 44" 45 46" 47 48" 49 50" 51 52" 53 54" 55 56" 57 58" 59																									HEIGHT	
3-0 3-2 3-4 3-6 3-8 3-10 4-0 4-2 4-4 4-6 4-8 4-10																										
																								5-2	62"	5'-1 1/2"
																								5-4	64"	5'-3 1/2"
																								5-6	66"	5'-5 1/2"
																								5-8	68"	5'-7 1/2"
																								5-10	70"	5'-9 1/2"
																								6-0	72"	5'-11 1/2"
																								6-2	74"	6'-1 1/2"

Optional Gothic Grille Pattern Widths

			Unit Dimension Rough Opening Call Size			WIDTH		
						0'-11 1/2"	1'-1 1/2"	1'-3 1/2"
						12"	13 14"	15 16"
						1-0	1-2	1-4
HEIGHT								
3'-7 1/2"	44"	3-8						
	45							
3'-9 1/2"	46"	3-10						
	47							
3'-11 1/2"	48"	4-0						
	49							
4'-1 1/2"	50"	4-2						
	51							
4'-3 1/2"	52"	4-4						
	53							
4'-5 1/2"	54"	4-6						
	55							
4'-7 1/2"	56"	4-8						
	57							
4'-9 1/2"	58"	4-10						
	59							
4'-11 1/2"	60"	5-0						
	61							
5'-1 1/2"	62"	5-2						
	63							
5'-3 1/2"	64"	5-4						
	65							
5'-5 1/2"	66"	5-6						
	67							
5'-7 1/2"	68"	5-8						
	69							
5'-9 1/2"	70"	5-10						
	71							

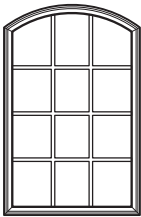
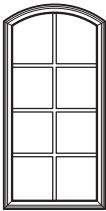
Optional Gothic Grille Pattern Widths

WIDTH			Unit Dimension Rough Opening Call Size	HEIGHT
0'-11 1/2"	1'-1 1/2"	1'-3 1/2"		
12"	13 14"	15 16"		
1-0	1-2	1-4		
				
			6-0	72" 5'-11 1/2"
			6-2	73 74" 6'-1 1/2"

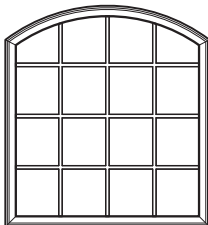
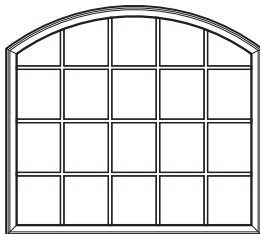
Single Hung – Arch Picture Units

Standard Colonial Grille Pattern Widths

Unit Dimension			WIDTH												
Rough Opening			1'-11 1/2"	2'-1 1/2"	2'-3 1/2"	2'-5 1/2"	2'-7 1/2"	2'-9 1/2"	2'-11 1/2"	3'-1 1/2"	3'-3 1/2"	3'-5 1/2"	3'-7 1/2"	3'-9 1/2"	
Call Size			24"	26"	28"	30"	32"	34"	36"	38"	40"	42"	44"	46"	47
			2-0	2-2	2-4	2-6	2-8	2-10	3-0	3-2	3-4	3-6	3-8	3-10	
HEIGHT															
3'-7 1/2"	44"	3-8													
	45														
3'-9 1/2"	46"	3-10													
	47														
3'-11 1/2"	48"	4-0													
	49														
4'-1 1/2"	50"	4-2													
	51														
4'-3 1/2"	52"	4-4													
	53														
4'-5 1/2"	54"	4-6													
	55														
4'-7 1/2"	56"	4-8													
	57														
4'-9 1/2"	58"	4-10													
	59														
4'-11 1/2"	60"	5-0													

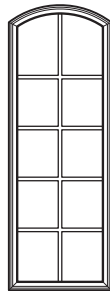
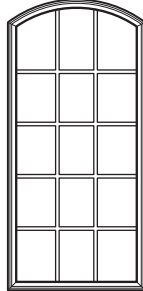
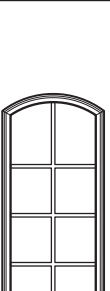
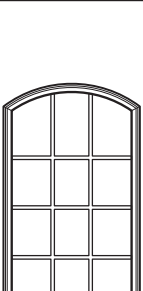
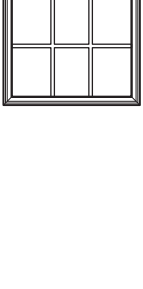


Standard Colonial Grille Pattern Widths

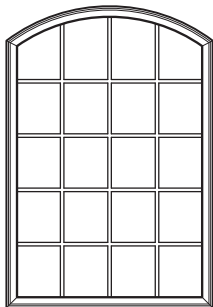
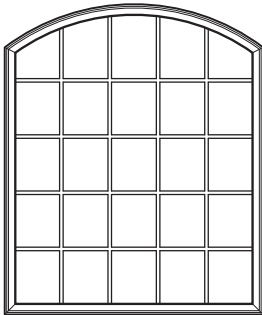
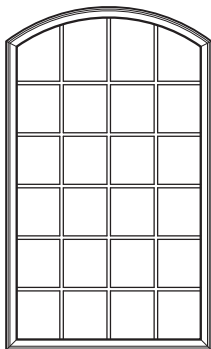
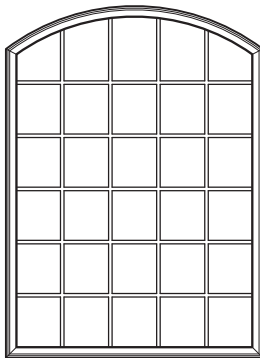
WIDTH										Unit Dimension Rough Opening Call Size						
										HEIGHT						
3'-11 1/2"	4'-1 1/2"	4'-3 1/2"	4'-5 1/2"	4'-7 1/2"	4'-9 1/2"	4'-11 1/2"				3-8	44"	3'-7 1/2"				
48"	49	50"	51	52"	53	54"	55	56"	57	58"	59	60"	45			
4-0	4-2	4-4	4-6	4-8	4-10	5-0				3-10	46"	3'-9 1/2"				
														4-0	48"	3'-11 1/2"
							4-2	50"	4'-1 1/2"							
							4-4	52"	4'-3 1/2"							
							4-6	54"	4'-5 1/2"							
							4-8	56"	4'-7 1/2"							
							4-10	58"	4'-9 1/2"							
							5-0	60"	4'-11 1/2"							

Single Hung – Arch Picture Units

Standard Colonial Grille Pattern Widths

Unit Dimension Rough Opening Call Size			WIDTH																																		
			1'-11 1/2"	25	2'-1 1/2"	27	2'-3 1/2"	29	2'-5 1/2"	31	2'-7 1/2"	33	2'-9 1/2"	35	2'-11 1/2"	36	3'-1 1/2"	39	3'-3 1/2"	41	3'-5 1/2"	43	3'-7 1/2"	45	3'-9 1/2"	47											
			24"		26"		28"		30"		32"		34"		36"		38"		40"		42"		44"		46"												
			2-0		2-2		2-4		2-6		2-8		2-10		3-0		3-2		3-4		3-6		3-8		3-10												
HEIGHT																																					
5'-1 1/2"	62"	5-2																																			
	63																																				
5'-3 1/2"	64"	5-4																																			
	65																																				
5'-5 1/2"	66"	5-6																																			
	67																																				
5'-7 1/2"	68"	5-8																																			
	69																																				
5'-9 1/2"	70"	5-10																																			
	71																																				
5'-11 1/2"	72"	6-0																																			
	73																																				
6'-1 1/2"	74"	6-2																																			

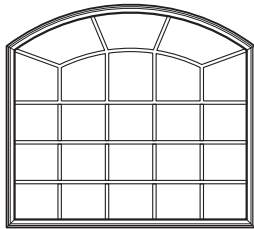
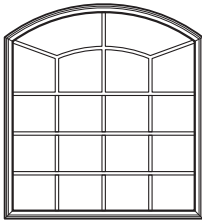
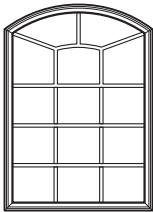
Standard Colonial Grille Pattern Widths

3'-11 1/2"		4'-1 1/2"		4'-3 1/2"		4'-5 1/2"		4'-7 1/2"		4'-9 1/2"		4'-11 1/2"		WIDTH	Unit Dimension Rough Opening Call Size	
48"	49	50"	51	52"	53	54"	55	56"	57	58"	59	60"	HEIGHT			
4-0		4-2		4-4		4-6		4-8		4-10		5-0				
																
																
																
																
														5-2	62"	5'-1 1/2"
															63	
														5-4	64"	5'-3 1/2"
															65	
														5-6	66"	5'-5 1/2"
															67	
														5-8	68"	5'-7 1/2"
															69	
														5-10	70"	5'-9 1/2"
															71	
														6-0	72"	5'-11 1/2"
															73	
														6-2	74"	6'-1 1/2"

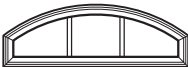
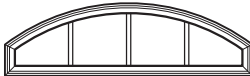
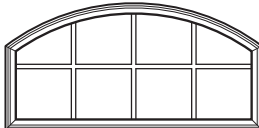
Single Hung – Arch Picture Units

Standard Renaissance Grille Pattern Widths

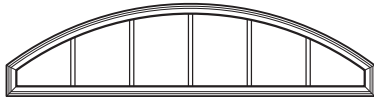
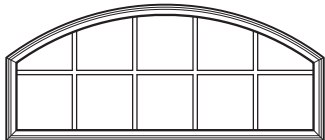
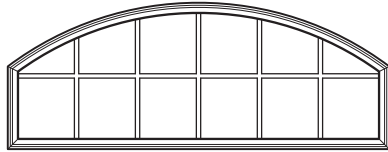
Unit Dimension Rough Opening Call Size			WIDTH													
			2'-11 1/2"	3'-1 1/2"	3'-3 1/2"	3'-5 1/2"	3'-7 1/2"	3'-9 1/2"	3'-11 1/2"	4'-1 1/2"	4'-3 1/2"	4'-5 1/2"	4'-7 1/2"	4'-9 1/2"	4'-11 1/2"	
			36"	38"	40"	42"	44"	46"	48"	50"	52"	54"	56"	58"	60"	
			3-0	3-2	3-4	3-6	3-8	3-10	4-0	4-2	4-4	4-6	4-8	4-10	5-0	
HEIGHT																
3'-7 1/2"	44"	3-8														
	45															
3'-9 1/2"	46"	3-10														
	47															
3'-11 1/2"	48"	4-0														
	49															
4'-1 1/2"	50"	4-2														
	51															
4'-3 1/2"	52"	4-4														
	53															
4'-5 1/2"	54"	4-6														
	55															
4'-7 1/2"	56"	4-8														
	57															
4'-9 1/2"	58"	4-10														
	59															
4'-11 1/2"	60"	5-0														



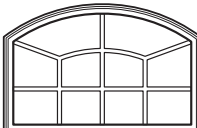
Standard Colonial Grille Pattern
Single Widths

Unit Dimension Rough Opening Call Size			WIDTH		1'-7 1/2"	1'-9 1/2"	1'-11 1/2"	2'-1 1/2"	2'-3 1/2"	2'-5 1/2"	2'-7 1/2"	2'-9 1/2"	2'-11 1/2"	3'-1 1/2"	3'-3 1/2"	3'-5 1/2"	3'-7 1/2"	3'-9 1/2"	3'-11 1/2"	4'-1 1/2"	4'-3 1/2"	4'-5 1/2"	4'-7 1/2"	4'-9 1/2"																	
			20"	21"	22"	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"	33"	34"	35"	36"	38"	39"	40"	41"	42"	43"	44"	45"	46"	47"	48"	49"	50"	51"	52"	53"	54"	55"	56"	57"	58"	59"
			1-8	1-10	2-0	2-2	2-4	2-6	2-8	2-10	3-0	3-2	3-4	3-6	3-8	3-10	4-0	4-2	4-4	4-6	4-8	4-10																			
HEIGHT																																									
0'-5 1/2"	10"	0-6																																							
0'-11 1/2"	12"	1-0																																							
1'-1 1/2"	14"	1-2																																							
1'-3 1/2"	16"	1-4																																							
1'-5 1/2"	18"	1-6																																							
1'-7 1/2"	20"	1-8																																							

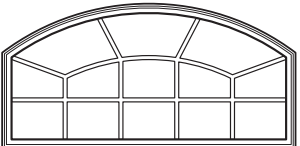
Standard Colonial Grille Pattern Single Widths

4'-11 1/2"							5'-1 1/2"		5'-3 1/2"		5'-5 1/2"		5'-7 1/2"		5'-9 1/2"		5'-11 1/2"		WIDTH	Unit Dimension												
60"							61	62"		63	64"		65	66"		67	68"			69	70"		71	72"		Rough Opening						
5-0							5-2		5-4		5-6		5-8		5-10		6-0			Call Size			HEIGHT									
																														0-6	10"	0'-5 1/2"
																														1-0	12"	0'-11 1/2"
																														1-2	14"	1'-1 1/2"
																														1-4	16"	1'-3 1/2"
																														1-6	18"	1'-5 1/2"
																														1-8	20"	1'-7 1/2"

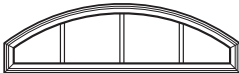
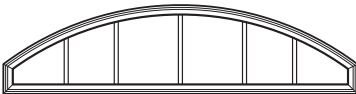
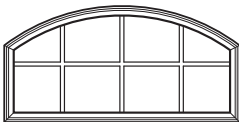
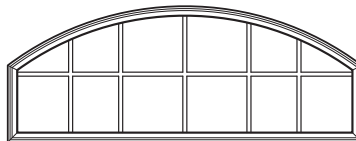
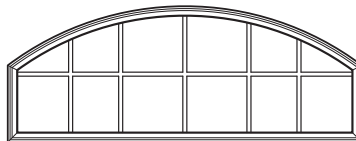
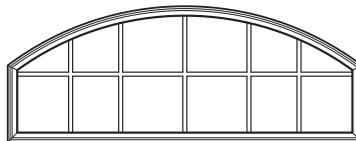
Optional Renaissance Grille Pattern
Single Widths

Unit Dimension Rough Opening Call Size			WIDTH																															
			2'-3 1/2"	2'-5 1/2"	2'-7 1/2"	2'-9 1/2"	2'-11 1/2"	3'-1 1/2"	3'-3 1/2"	3'-5 1/2"	3'-7 1/2"	3'-9 1/2"	3'-11 1/2"	4'-1 1/2"	4'-3 1/2"	4'-5 1/2"	4'-7 1/2"	4'-9 1/2"																
			28"	29	30"	31	32"	33	34"	35	36"	36	38"	39	40"	41	42"	43	44"	45	46"	47	48"	49	50"	51	52"	53	54"	55	56"	57	58"	59
			2-4	2-6	2-8	2-10	3-0	3-2	3-4	3-6	3-8	3-10	4-0	4-2	4-4	4-6	4-8	4-10																
HEIGHT																																		
0'-5 1/2"	10"	0-6																																
0'-11 1/2"	12"	1-0																																
1'-1 1/2"	14"	1-2																																
1'-3 1/2"	16"	1-4																																
1'-5 1/2"	18"	1-6																																
1'-7 1/2"	20"	1-8																																

Optional Renaissance Grille Pattern Single Widths

											WIDTH	Unit Dimension Rough Opening Call Size			
4'-11 1/2"	5'-1 1/2"	5'-3 1/2"	5'-5 1/2"	5'-7 1/2"	5'-9 1/2"	5'-11 1/2"									
60"	61	62"	63	64"	65	66"	67	68"	69	70"	71	72"			
5-0	5-2	5-4		5-6		5-8		5-10		6-0					
												HEIGHT	0-6	10"	0'-5 1/2"
														11	
													1-0	12"	0'-11 1/2"
													13		
													1-2	14"	1'-1 1/2"
													15		
													1-4	16"	1'-3 1/2"
												14			
												1-6	18"	1'-5 1/2"	
												19			
												1-8	20"	1'-7 1/2"	

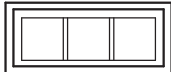
Standard Colonial Grille Pattern
Twin Widths

Unit Dimension Rough Opening Call Size		WIDTH																		
		3'-3 1/2"	3'-7 1/2"	3'-11 1/2"	4'-3 1/2"	4'-3 1/2"	4'-11 1/2"	5'-3 1/2"	5'-7 1/2"	5'-11 1/2"	6'-1 1/2"									
		40"	42"	44"	46"	48"	50"	52"	53"	54"	55"	60"	62"	64"	66"	68"	70"	72"	74"	
		1-8 Twin	1-10 Twin	2-0 Twin	2-2 Twin	2-4 Twin	2-6 Twin	2-8 Twin	2-10 Twin	3-0 Twin	3-1 Twin									
HEIGHT																				
0'-5 1/2"	10"	0-6																		
0'-11 1/2"	12"	1-0																		
1'-1 1/2"	14"	1-2																		
1'-3 1/2"	16"	1-4																		
1'-5 1/2"	18"	1-6																		
1'-7 1/2"	20"	1-8																		

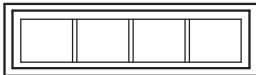
Standard Renaissance Grille Pattern Twin Widths

3'-3 1/2"	3'-7 1/2"	3'-11 1/2"	4'-3 1/2"	4'-3 1/2"	4'-11 1/2"	5'-3 1/2"	5'-7 1/2"	5'-11 1/2"	6'-1 1/2"	WIDTH	Unit Dimension Rough Opening Call Size	HEIGHT							
40"	42	44"	46	48"	50	52"	53	54"	55				60"	62	64"	66	68"	70	72"
1-8 Twin	1-10 Twin	2-0 Twin	2-2 Twin	2-4 Twin	2-6 Twin	2-8 Twin	2-10 Twin	3-0 Twin	3-1 Twin										

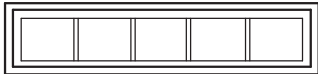
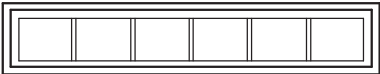
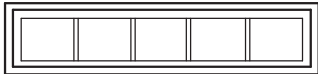
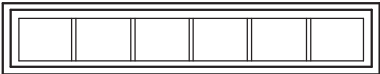
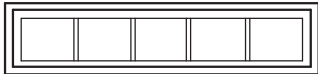
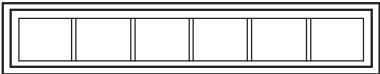
Single Widths

Unit Dimension Rough Opening Call Size			Unit Width																			
HEIGHT			1'-7 1/2"	1'-9 1/2"	1'-11 1/2"	2'-1 1/2"	2'-3 1/2"	2'-5 1/2"	2'-7 1/2"	2'-9 1/2"	2'-11 1/2"	3'-0 1/2"	3'-1 1/2"									
			20"	21"	22"	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"	33"	34"	35"	36"	37"	38"	39"
			1-8	1-10	2-0	2-2	2-2	2-4	2-6	2-8	2-10	3-0	3-1	3-2								
HEIGHT																						
0'-11 1/2"	12"	1-0																				
	13																					
1'-1 1/2"	14"	1-2																				
	15																					
1'-3 1/2"	16"	1-4																				
	14																					
1'-5 1/2"	18"	1-6																				
	19																					
1'-7 1/2"	20"	1-8																				
	21																					
1'-9 1/2"	22"	2-0																				

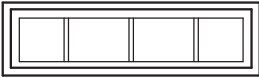
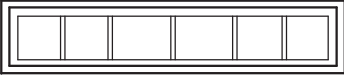
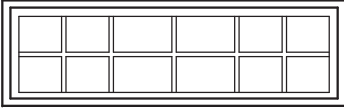
Single Widths

WIDTH														Unit Dimension Rough Opening Call Size							
														HEIGHT							
3'-1 1/2"	3'-3 1/2"	3'-5 1/2"	3'-7 1/2"	3'-9 1/2"	3'-11 1/2"	4'-1 1/2"	4'-3 1/2"	4'-5 1/2"	4'-7 1/2"	4'-9 1/2"											
38"	39"	40"	41"	42"	43"	44"	45"	46"	47"	48"	49"	50"	51"	52"	53"	54"	55"	56"	57"	58"	59"
3-2	3-4	3-6	3-8	3-10	4-0	4-2	4-4	4-6	4-8	4-10											
																					
																					
														1-0	12"	0'-11 1/2"					
															13						
														1-2	14"	1'-1 1/2"					
															15						
														1-4	16"	1'-3 1/2"					
															14						
														1-6	18"	1'-5 1/2"					
															19						
														1-8	20"	1'-7 1/2"					

Single Widths

Unit Dimension Rough Opening Call Size			WIDTH												
			4'-11 1/2"	5'-1 1/2"	5'-3 1/2"	5'-5 1/2"	5'-7 1/2"	5'-9 1/2"	5'-11 1/2"						
			60"	61	62"	63	64"	65	66"	67	68"	69	70"	71	72"
			5-0	5-2	5-4	5-6	5-8	5-10	6-0						
HEIGHT															
0'-11 1/2"	12"	1-0													
	13														
1'-1 1/2"	14"	1-2													
	15														
1'-3 1/2"	16"	1-4													
	14														
1'-5 1/2"	18"	1-6													
	19														
1'-7 1/2"	20"	1-8													
	21														
1'-9 1/2"	22"	2-0													

Twin Widths

3'-3 1/2"	3'-7 1/2"	3'-11 1/2"	4'-3 1/2"	4'-7 1/2"	4'-11 1/2"	5'-3 1/2"	5'-7 1/2"	5'-11 1/2"	6'-1 1/2"	WIDTH	Unit Dimension Rough Opening Call Size	HEIGHT
40"	42"	44"	46"	48"	50"	52"	54"	56"	58"			
1-8 Twin	1-10 Twin	2-0 Twin	2-2 Twin	2-4 Twin	2-6 Twin	2-8 Twin	2-10 Twin	3-0 Twin	3-1 Twin			
												0-6 10" 0'-5 1/2"
												1-0 12" 0'-11 1/2"
												1-2 14" 1'-3 1/2"
												1-4 16" 1'-3 1/2"
												1-6 18" 1'-5 1/2"
												1-8 20" 1'-7 1/2"

Single Hung – Net Clear & Daylight Opening Dimensions

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
1-4					
	2-4	10.875	10.625	0.80	1.40
	2-6	10.875	11.625	0.88	1.54
	2-8	10.875	12.625	0.95	1.68
	2-10	10.875	13.625	1.03	1.82
	3-0	10.875	14.625	1.10	1.96
	3-2	10.875	15.625	1.18	2.10
	3-4	10.875	16.625	1.26	2.25
	3-6	10.875	17.625	1.33	2.39
	3-8	10.875	18.625	1.41	2.53
	3-10	10.875	19.625	1.48	2.67
	4-0	10.875	20.625	1.56	2.81
	4-2	10.875	21.625	1.63	2.95
	4-4	10.875	22.625	1.71	3.09
	4-6	10.875	23.625	1.78	3.23
	4-8	10.875	24.625	1.86	3.37
	4-10	10.875	25.625	1.94	3.51
	5-0	10.875	26.625	2.01	3.65
	5-2	10.875	27.625	2.09	3.79
	5-4	10.875	28.625	2.16	3.94
	5-6	10.875	29.625	2.24	4.08
	5-8	10.875	30.625	2.31	4.22
	5-10	10.875	31.625	2.39	4.36
	6-0	10.875	32.625	2.46	4.50
	6-2	10.875	33.625	2.54	4.64
	6-4	10.875	34.625	2.61	4.78
	6-6	10.875	35.625	2.69	4.92
	6-8	10.875	36.625	2.77	5.06
	6-10	10.875	37.625	2.84	5.20
	7-0	10.875	38.625	2.92	5.34
	7-2	10.875	39.625	2.99	5.48
	7-4	10.875	40.625	3.07	5.63
	7-6	10.875	41.625	3.14	5.77
	7-8	10.875	42.625	3.22	5.91
	7-10	10.875	43.625	3.29	6.05
	8-0	10.875	44.625	3.37	6.19
1-6					
	2-4	12.875	10.625	0.95	1.67
	2-6	12.875	11.625	1.04	1.84
	2-8	12.875	12.625	1.13	2.01
	2-10	12.875	13.625	1.22	2.18

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	3-0	12.875	14.625	1.31	2.35
	3-2	12.875	15.625	1.40	2.52
	3-4	12.875	16.625	1.49	2.69
	3-6	12.875	17.625	1.58	2.86
	3-8	12.875	18.625	1.67	3.02
	3-10	12.875	19.625	1.75	3.19
	4-0	12.875	20.625	1.84	3.36
	4-2	12.875	21.625	1.93	3.53
	4-4	12.875	22.625	2.02	3.70
	4-6	12.875	23.625	2.11	3.87
	4-8	12.875	24.625	2.20	4.04
	4-10	12.875	25.625	2.29	4.20
	5-0	12.875	26.625	2.38	4.37
	5-2	12.875	27.625	2.47	4.54
	5-4	12.875	28.625	2.56	4.71
	5-6	12.875	29.625	2.65	4.88
	5-8	12.875	30.625	2.74	5.05
	5-10	12.875	31.625	2.83	5.22
	6-0	12.875	32.625	2.92	5.38
	6-2	12.875	33.625	3.01	5.55
	6-4	12.875	34.625	3.10	5.72
	6-6	12.875	35.625	3.19	5.89
	6-8	12.875	36.625	3.27	6.06
	6-10	12.875	37.625	3.36	6.23
	7-0	12.875	38.625	3.45	6.40
	7-2	12.875	39.625	3.54	6.56
	7-4	12.875	40.625	3.63	6.73
	7-6	12.875	41.625	3.72	6.90
	7-8	12.875	42.625	3.81	7.07
	7-10	12.875	43.625	3.90	7.24
	8-0	12.875	44.625	3.99	7.41
1-8					
	2-4	14.875	10.625	1.10	1.95
	2-6	14.875	11.625	1.20	2.15
	2-8	14.875	12.625	1.30	2.34
	2-10	14.875	13.625	1.41	2.54
	3-0	14.875	14.625	1.51	2.74
	3-2	14.875	15.625	1.61	2.93
	3-4	14.875	16.625	1.72	3.13
	3-6	14.875	17.625	1.82	3.32
	3-8	14.875	18.625	1.92	3.52

Single Hung – Net Clear & Daylight Opening Dimensions

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	3-10	14.875	19.625	2.03	3.72
	4-0	14.875	20.625	2.13	3.91
	4-2	14.875	21.625	2.23	4.11
	4-4	14.875	22.625	2.34	4.31
	4-6	14.875	23.625	2.44	4.50
	4-8	14.875	24.625	2.54	4.70
	4-10	14.875	25.625	2.65	4.90
	5-0	14.875	26.625	2.75	5.09
	5-2	14.875	27.625	2.85	5.29
	5-4	14.875	28.625	2.96	5.48
	5-6	14.875	29.625	3.06	5.68
	5-8	14.875	30.625	3.16	5.88
	5-10	14.875	31.625	3.27	6.07
	6-0	14.875	32.625	3.37	6.27
	6-2	14.875	33.625	3.47	6.47
	6-4	14.875	34.625	3.58	6.66
	6-6	14.875	35.625	3.68	6.86
	6-8	14.875	36.625	3.78	7.06
	6-10	14.875	37.625	3.89	7.25
	7-0	14.875	38.625	3.99	7.45
	7-2	14.875	39.625	4.09	7.65
	7-4	14.875	40.625	4.20	7.84
	7-6	14.875	41.625	4.30	8.04
	7-8	14.875	42.625	4.40	8.23
	7-10	14.875	43.625	4.51	8.43
	8-0	14.875	44.625	4.61	8.63
1-10					
	2-4	16.875	10.625	1.25	2.22
	2-6	16.875	11.625	1.36	2.45
	2-8	16.875	12.625	1.48	2.67
	2-10	16.875	13.625	1.60	2.90
	3-0	16.875	14.625	1.71	3.12
	3-2	16.875	15.625	1.83	3.35
	3-4	16.875	16.625	1.95	3.57
	3-6	16.875	17.625	2.07	3.79
	3-8	16.875	18.625	2.18	4.02
	3-10	16.875	19.625	2.30	4.24
	4-0	16.875	20.625	2.42	4.47
	4-2	16.875	21.625	2.53	4.69
	4-4	16.875	22.625	2.65	4.91
	4-6	16.875	23.625	2.77	5.14

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	4-8	16.875	24.625	2.89	5.36
	4-10	16.875	25.625	3.00	5.59
	5-0	16.875	26.625	3.12	5.81
	5-2	16.875	27.625	3.24	6.04
	5-4	16.875	28.625	3.35	6.26
	5-6	16.875	29.625	3.47	6.48
	5-8	16.875	30.625	3.59	6.71
	5-10	16.875	31.625	3.71	6.93
	6-0	16.875	32.625	3.82	7.16
	6-2	16.875	33.625	3.94	7.38
	6-4	16.875	34.625	4.06	7.60
	6-6	16.875	35.625	4.17	7.83
	6-8	16.875	36.625	4.29	8.05
	6-10	16.875	37.625	4.41	8.28
	7-0	16.875	38.625	4.53	8.50
	7-2	16.875	39.625	4.64	8.73
	7-4	16.875	40.625	4.76	8.95
	7-6	16.875	41.625	4.88	9.17
	7-8	16.875	42.625	5.00	9.40
	7-10	16.875	43.625	5.11	9.62
	8-0	16.875	44.625	5.23	9.85
2-0					
	2-4	18.875	10.625	1.39	2.50
	2-6	18.875	11.625	1.52	2.75
	2-8	18.875	12.625	1.65	3.00
	2-10	18.875	13.625	1.79	3.25
	3-0	18.875	14.625	1.92	3.51
	3-2	18.875	15.625	2.05	3.76
	3-4	18.875	16.625	2.18	4.01
	3-6	18.875	17.625	2.31	4.26
	3-8	18.875	18.625	2.44	4.51
	3-10	18.875	19.625	2.57	4.77
	4-0	18.875	20.625	2.70	5.02
	4-2	18.875	21.625	2.83	5.27
	4-4	18.875	22.625	2.97	5.52
	4-6	18.875	23.625	3.10	5.77
	4-8	18.875	24.625	3.23	6.03
	4-10	18.875	25.625	3.36	6.28
	5-0	18.875	26.625	3.49	6.53
	5-2	18.875	27.625	3.62	6.78
	5-4	18.875	28.625	3.75	7.03

Single Hung – Net Clear & Daylight Opening Dimensions

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	5-6	18.875	29.625	3.88	7.29
	5-8	18.875	30.625	4.01	7.54
	5-10	18.875	31.625	4.15	7.79
	6-0	18.875	32.625	4.28	8.04
	6-2	18.875	33.625	4.41	8.29
	6-4	18.875	34.625	4.54	8.55
	6-6	18.875	35.625	4.67	8.80
	6-8	18.875	36.625	4.80	9.05
	6-10	18.875	37.625	4.93	9.30
	7-0	18.875	38.625	5.06	9.55
	7-2	18.875	39.625	5.19	9.81
	7-4	18.875	40.625	5.32	10.06
	7-6	18.875	41.625	5.46	10.31
	7-8	18.875	42.625	5.59	10.56
	7-10	18.875	43.625	5.72	10.81
	8-0	18.875	44.625	5.85	11.07
2-2					
	2-4	20.875	10.625	1.54	2.77
	2-6	20.875	11.625	1.69	3.05
	2-8	20.875	12.625	1.83	3.33
	2-10	20.875	13.625	1.98	3.61
	3-0	20.875	14.625	2.12	3.89
	3-2	20.875	15.625	2.27	4.17
	3-4	20.875	16.625	2.41	4.45
	3-6	20.875	17.625	2.56	4.73
	3-8	20.875	18.625	2.70	5.01
	3-10	20.875	19.625	2.84	5.29
	4-0	20.875	20.625	2.99	5.57
	4-2	20.875	21.625	3.13	5.85
	4-4	20.875	22.625	3.28	6.13
	4-6	20.875	23.625	3.42	6.41
	4-8	20.875	24.625	3.57	6.69
	4-10	20.875	25.625	3.71	6.97
	5-0	20.875	26.625	3.86	7.25
	5-2	20.875	27.625	4.00	7.53
	5-4	20.875	28.625	4.15	7.81
	5-6	20.875	29.625	4.29	8.09
	5-8	20.875	30.625	4.44	8.37
	5-10	20.875	31.625	4.58	8.65
	6-0	20.875	32.625	4.73	8.93
	6-2	20.875	33.625	4.87	9.21
	6-4	20.875	34.625	5.02	9.49

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	6-6	20.875	35.625	5.16	9.77
	6-8	20.875	36.625	5.31	10.05
	6-10	20.875	37.625	5.45	10.33
	7-0	20.875	38.625	5.60	10.61
	7-2	20.875	39.625	5.74	10.89
	7-4	20.875	40.625	5.89	11.17
	7-6	20.875	41.625	6.03	11.45
	7-8	20.875	42.625	6.18	11.73
	7-10	20.875	43.625	6.32	12.00
	8-0	20.875	44.625	6.47	12.28
2-4					
	2-4	22.875	10.625	1.69	3.05
	2-6	22.875	11.625	1.85	3.36
	2-8	22.875	12.625	2.01	3.66
	2-10	22.875	13.625	2.16	3.97
	3-0	22.875	14.625	2.32	4.28
	3-2	22.875	15.625	2.48	4.59
	3-4	22.875	16.625	2.64	4.89
	3-6	22.875	17.625	2.80	5.20
	3-8	22.875	18.625	2.96	5.51
	3-10	22.875	19.625	3.12	5.82
	4-0	22.875	20.625	3.28	6.12
	4-2	22.875	21.625	3.44	6.43
	4-4	22.875	22.625	3.59	6.74
	4-6	22.875	23.625	3.75	7.05
	4-8	22.875	24.625	3.91	7.35
	4-10	22.875	25.625	4.07	7.66
	5-0	22.875	26.625	4.23	7.97
	5-2	22.875	27.625	4.39	8.28
	5-4	22.875	28.625	4.55	8.58
	5-6	22.875	29.625	4.71	8.89
	5-8	22.875	30.625	4.86	9.20
	5-10	22.875	31.625	5.02	9.51
	6-0	22.875	32.625	5.18	9.81
	6-2	22.875	33.625	5.34	10.12
	6-4	22.875	34.625	5.50	10.43
	6-6	22.875	35.625	5.66	10.74
	6-8	22.875	36.625	5.82	11.04
	6-10	22.875	37.625	5.98	11.35
	7-0	22.875	38.625	6.14	11.66
	7-2	22.875	39.625	6.29	11.97
	7-4	22.875	40.625	6.45	12.27

NOTE:

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

Single Hung – Net Clear & Daylight Opening Dimensions

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	7-6	22.875	41.625	6.61	12.58
	7-8	22.875	42.625	6.77	12.89
	7-10	22.875	43.625	6.93	13.20
	8-0	22.875	44.625	7.09	13.50
2-6					
	2-4	24.875	10.625	1.84	3.32
	2-6	24.875	11.625	2.01	3.66
	2-8	24.875	12.625	2.18	3.99
	2-10	24.875	13.625	2.35	4.33
	3-0	24.875	14.625	2.53	4.66
	3-2	24.875	15.625	2.70	5.00
	3-4	24.875	16.625	2.87	5.33
	3-6	24.875	17.625	3.04	5.67
	3-8	24.875	18.625	3.22	6.01
	3-10	24.875	19.625	3.39	6.34
	4-0	24.875	20.625	3.56	6.68
	4-2	24.875	21.625	3.74	7.01
	4-4	24.875	22.625	3.91	7.35
	4-6	24.875	23.625	4.08	7.68
	4-8	24.875	24.625	4.25	8.02
	4-10	24.875	25.625	4.43	8.35
	5-0	24.875	26.625	4.60	8.69
	5-2	24.875	27.625	4.77	9.02
	5-4	24.875	28.625	4.94	9.36
	5-6	24.875	29.625	5.12	9.69
	5-8	24.875	30.625	5.29	10.03
	5-10	24.875	31.625	5.46	10.36
	6-0	24.875	32.625	5.64	10.70
	6-2	24.875	33.625	5.81	11.03
	6-4	24.875	34.625	5.98	11.37
	6-6	24.875	35.625	6.15	11.71
	6-8	24.875	36.625	6.33	12.04
	6-10	24.875	37.625	6.50	12.38
	7-0	24.875	38.625	6.67	12.71
	7-2	24.875	39.625	6.84	13.05
	7-4	24.875	40.625	7.02	13.38
	7-6	24.875	41.625	7.19	13.72
	7-8	24.875	42.625	7.36	14.05
	7-10	24.875	43.625	7.54	14.39
	8-0	24.875	44.625	7.71	14.72

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
2-8					
	2-4	26.875	10.625	1.98	3.60
	2-6	26.875	11.625	2.17	3.96
	2-8	26.875	12.625	2.36	4.32
	2-10	26.875	13.625	2.54	4.69
	3-0	26.875	14.625	2.73	5.05
	3-2	26.875	15.625	2.92	5.41
	3-4	26.875	16.625	3.10	5.78
	3-6	26.875	17.625	3.29	6.14
	3-8	26.875	18.625	3.48	6.50
	3-10	26.875	19.625	3.66	6.87
	4-0	26.875	20.625	3.85	7.23
	4-2	26.875	21.625	4.04	7.59
	4-4	26.875	22.625	4.22	7.95
	4-6	26.875	23.625	4.41	8.32
	4-8	26.875	24.625	4.60	8.68
	4-10	26.875	25.625	4.78	9.04
	5-0	26.875	26.625	4.97	9.41
	5-2	26.875	27.625	5.16	9.77
	5-4	26.875	28.625	5.34	10.13
	5-6	26.875	29.625	5.53	10.50
	5-8	26.875	30.625	5.72	10.86
	5-10	26.875	31.625	5.90	11.22
	6-0	26.875	32.625	6.09	11.59
	6-2	26.875	33.625	6.28	11.95
	6-4	26.875	34.625	6.46	12.31
	6-6	26.875	35.625	6.65	12.67
	6-8	26.875	36.625	6.84	13.04
	6-10	26.875	37.625	7.02	13.40
	7-0	26.875	38.625	7.21	13.76
	7-2	26.875	39.625	7.40	14.13
	7-4	26.875	40.625	7.58	14.49
	7-6	26.875	41.625	7.77	14.85
	7-8	26.875	42.625	7.96	15.22
	7-10	26.875	43.625	8.14	15.58
	8-0	26.875	44.625	8.33	15.94
2-10					
	2-4	28.875	10.625	2.13	3.87
	2-6	28.875	11.625	2.33	4.26
	2-8	28.875	12.625	2.53	4.65
	2-10	28.875	13.625	2.73	5.05

NOTE:

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

Single Hung – Net Clear & Daylight Opening Dimensions

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	3-0	28.875	14.625	2.93	5.44
	3-2	28.875	15.625	3.13	5.83
	3-4	28.875	16.625	3.33	6.22
	3-6	28.875	17.625	3.53	6.61
	3-8	28.875	18.625	3.73	7.00
	3-10	28.875	19.625	3.94	7.39
	4-0	28.875	20.625	4.14	7.78
	4-2	28.875	21.625	4.34	8.17
	4-4	28.875	22.625	4.54	8.56
	4-6	28.875	23.625	4.74	8.95
	4-8	28.875	24.625	4.94	9.34
	4-10	28.875	25.625	5.14	9.74
	5-0	28.875	26.625	5.34	10.13
	5-2	28.875	27.625	5.54	10.52
	5-4	28.875	28.625	5.74	10.91
	5-6	28.875	29.625	5.94	11.30
	5-8	28.875	30.625	6.14	11.69
	5-10	28.875	31.625	6.34	12.08
	6-0	28.875	32.625	6.54	12.47
	6-2	28.875	33.625	6.74	12.86
	6-4	28.875	34.625	6.94	13.25
	6-6	28.875	35.625	7.14	13.64
	6-8	28.875	36.625	7.34	14.03
	6-10	28.875	37.625	7.54	14.43
	7-0	28.875	38.625	7.75	14.82
	7-2	28.875	39.625	7.95	15.21
	7-4	28.875	40.625	8.15	15.60
	7-6	28.875	41.625	8.35	15.99
	7-8	28.875	42.625	8.55	16.38
	7-10	28.875	43.625	8.75	16.77
	8-0	28.875	44.625	8.95	17.16
3-0					
	2-4	30.875	10.625	2.28	4.15
	2-6	30.875	11.625	2.49	4.57
	2-8	30.875	12.625	2.71	4.98
	2-10	30.875	13.625	2.92	5.40
	3-0	30.875	14.625	3.14	5.82
	3-2	30.875	15.625	3.35	6.24
	3-4	30.875	16.625	3.56	6.66
	3-6	30.875	17.625	3.78	7.08
	3-8	30.875	18.625	3.99	7.50

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	3-10	30.875	19.625	4.21	7.91
	4-0	30.875	20.625	4.42	8.33
	4-2	30.875	21.625	4.64	8.75
	4-4	30.875	22.625	4.85	9.17
	4-6	30.875	23.625	5.07	9.59
	4-8	30.875	24.625	5.28	10.01
	4-10	30.875	25.625	5.49	10.43
	5-0	30.875	26.625	5.71	10.85
	5-2	30.875	27.625	5.92	11.26
	5-4	30.875	28.625	6.14	11.68
	5-6	30.875	29.625	6.35	12.10
	5-8	30.875	30.625	6.57	12.52
	5-10	30.875	31.625	6.78	12.94
	6-0	30.875	32.625	7.00	13.36
	6-2	30.875	33.625	7.21	13.78
	6-4	30.875	34.625	7.42	14.19
	6-6	30.875	35.625	7.64	14.61
	6-8	30.875	36.625	7.85	15.03
	6-10	30.875	37.625	8.07	15.45
	7-0	30.875	38.625	8.28	15.87
	7-2	30.875	39.625	8.50	16.29
	7-4	30.875	40.625	8.71	16.71
	7-6	30.875	41.625	8.92	17.12
	7-8	30.875	42.625	9.14	17.54
	7-10	30.875	43.625	9.35	17.96
	8-0	30.875	44.625	9.57	18.38
3-2					
	2-4	32.875	10.625	2.43	4.42
	2-6	32.875	11.625	2.65	4.87
	2-8	32.875	12.625	2.88	5.31
	2-10	32.875	13.625	3.11	5.76
	3-0	32.875	14.625	3.34	6.21
	3-2	32.875	15.625	3.57	6.65
	3-4	32.875	16.625	3.80	7.10
	3-6	32.875	17.625	4.02	7.55
	3-8	32.875	18.625	4.25	7.99
	3-10	32.875	19.625	4.48	8.44
	4-0	32.875	20.625	4.71	8.89
	4-2	32.875	21.625	4.94	9.33
	4-4	32.875	22.625	5.17	9.78
	4-6	32.875	23.625	5.39	10.23

NOTE:

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

Single Hung – Net Clear & Daylight Opening Dimensions

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	4-8	32.875	24.625	5.62	10.67
	4-10	32.875	25.625	5.85	11.12
	5-0	32.875	26.625	6.08	11.56
	5-2	32.875	27.625	6.31	12.01
	5-4	32.875	28.625	6.54	12.46
	5-6	32.875	29.625	6.76	12.90
	5-8	32.875	30.625	6.99	13.35
	5-10	32.875	31.625	7.22	13.80
	6-0	32.875	32.625	7.45	14.24
	6-2	32.875	33.625	7.68	14.69
	6-4	32.875	34.625	7.90	15.14
	6-6	32.875	35.625	8.13	15.58
	6-8	32.875	36.625	8.36	16.03
	6-10	32.875	37.625	8.59	16.47
	7-0	32.875	38.625	8.82	16.92
	7-2	32.875	39.625	9.05	17.37
	7-4	32.875	40.625	9.27	17.81
	7-6	32.875	41.625	9.50	18.26
	7-8	32.875	42.625	9.73	18.71
	7-10	32.875	43.625	9.96	19.15
	8-0	32.875	44.625	10.19	19.60
3-4					
	2-4	34.875	10.625	2.57	4.70
	2-6	34.875	11.625	2.82	5.17
	2-8	34.875	12.625	3.06	5.65
	2-10	34.875	13.625	3.30	6.12
	3-0	34.875	14.625	3.54	6.59
	3-2	34.875	15.625	3.78	7.07
	3-4	34.875	16.625	4.03	7.54
	3-6	34.875	17.625	4.27	8.02
	3-8	34.875	18.625	4.51	8.49
	3-10	34.875	19.625	4.75	8.96
	4-0	34.875	20.625	5.00	9.44
	4-2	34.875	21.625	5.24	9.91
	4-4	34.875	22.625	5.48	10.39
	4-6	34.875	23.625	5.72	10.86
	4-8	34.875	24.625	5.96	11.34
	4-10	34.875	25.625	6.21	11.81
	5-0	34.875	26.625	6.45	12.28
	5-2	34.875	27.625	6.69	12.76
	5-4	34.875	28.625	6.93	13.23

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	5-6	34.875	29.625	7.17	13.71
	5-8	34.875	30.625	7.42	14.18
	5-10	34.875	31.625	7.66	14.65
	6-0	34.875	32.625	7.90	15.13
	6-2	34.875	33.625	8.14	15.60
	6-4	34.875	34.625	8.39	16.08
	6-6	34.875	35.625	8.63	16.55
	6-8	34.875	36.625	8.87	17.03
	6-10	34.875	37.625	9.11	17.50
	7-0	34.875	38.625	9.35	17.97
	7-2	34.875	39.625	9.60	18.45
	7-4	34.875	40.625	9.84	18.92
	7-6	34.875	41.625	10.08	19.40
	7-8	34.875	42.625	10.32	19.87
	7-10	34.875	43.625	10.57	20.34
	8-0	34.875	44.625	10.81	20.82
3-6					
	2-4	36.875	10.625	2.72	4.97
	2-6	36.875	11.625	2.98	5.47
	2-8	36.875	12.625	3.23	5.98
	2-10	36.875	13.625	3.49	6.48
	3-0	36.875	14.625	3.75	6.98
	3-2	36.875	15.625	4.00	7.48
	3-4	36.875	16.625	4.26	7.98
	3-6	36.875	17.625	4.51	8.49
	3-8	36.875	18.625	4.77	8.99
	3-10	36.875	19.625	5.03	9.49
	4-0	36.875	20.625	5.28	9.99
	4-2	36.875	21.625	5.54	10.49
	4-4	36.875	22.625	5.79	11.00
	4-6	36.875	23.625	6.05	11.50
	4-8	36.875	24.625	6.31	12.00
	4-10	36.875	25.625	6.56	12.50
	5-0	36.875	26.625	6.82	13.00
	5-2	36.875	27.625	7.07	13.50
	5-4	36.875	28.625	7.33	14.01
	5-6	36.875	29.625	7.59	14.51
	5-8	36.875	30.625	7.84	15.01
	5-10	36.875	31.625	8.10	15.51
	6-0	36.875	32.625	8.35	16.01
	6-2	36.875	33.625	8.61	16.52

NOTE:

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

Single Hung – Net Clear & Daylight Opening Dimensions

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	6-4	36.875	34.625	8.87	17.02
	6-6	36.875	35.625	9.12	17.52
	6-8	36.875	36.625	9.38	18.02
	6-10	36.875	37.625	9.63	18.52
	7-0	36.875	38.625	9.89	19.03
	7-2	36.875	39.625	10.15	19.53
	7-4	36.875	40.625	10.40	20.03
	7-6	36.875	41.625	10.66	20.53
	7-8	36.875	42.625	10.92	21.03
	7-10	36.875	43.625	11.17	21.54
	8-0	36.875	44.625	11.43	22.04
3-8					
	2-4	38.875	10.625	2.87	5.25
	2-6	38.875	11.625	3.14	5.78
	2-8	38.875	12.625	3.41	6.31
	2-10	38.875	13.625	3.68	6.84
	3-0	38.875	14.625	3.95	7.37
	3-2	38.875	15.625	4.22	7.90
	3-4	38.875	16.625	4.49	8.42
	3-6	38.875	17.625	4.76	8.95
	3-8	38.875	18.625	5.03	9.48
	3-10	38.875	19.625	5.30	10.01
	4-0	38.875	20.625	5.57	10.54
	4-2	38.875	21.625	5.84	11.07
	4-4	38.875	22.625	6.11	11.60
	4-6	38.875	23.625	6.38	12.13
	4-8	38.875	24.625	6.65	12.66
	4-10	38.875	25.625	6.92	13.19
	5-0	38.875	26.625	7.19	13.72
	5-2	38.875	27.625	7.46	14.25
	5-4	38.875	28.625	7.73	14.78
	5-6	38.875	29.625	8.00	15.31
	5-8	38.875	30.625	8.27	15.84
	5-10	38.875	31.625	8.54	16.37
	6-0	38.875	32.625	8.81	16.90
	6-2	38.875	33.625	9.08	17.43
	6-4	38.875	34.625	9.35	17.96
	6-6	38.875	35.625	9.62	18.49
	6-8	38.875	36.625	9.89	19.02
	6-10	38.875	37.625	10.16	19.55

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	7-0	38.875	38.625	10.43	20.08
	7-2	38.875	39.625	10.70	20.61
	7-4	38.875	40.625	10.97	21.14
	7-6	38.875	41.625	11.24	21.67
	7-8	38.875	42.625	11.51	22.20
	7-10	38.875	43.625	11.78	22.73
	8-0	38.875	44.625	12.05	23.26
3-10					
	2-4	40.875	10.625	3.02	5.52
	2-6	40.875	11.625	3.30	6.08
	2-8	40.875	12.625	3.58	6.64
	2-10	40.875	13.625	3.87	7.19
	3-0	40.875	14.625	4.15	7.75
	3-2	40.875	15.625	4.44	8.31
	3-4	40.875	16.625	4.72	8.87
	3-6	40.875	17.625	5.00	9.42
	3-8	40.875	18.625	5.29	9.98
	3-10	40.875	19.625	5.57	10.54
	4-0	40.875	20.625	5.85	11.10
	4-2	40.875	21.625	6.14	11.65
	4-4	40.875	22.625	6.42	12.21
	4-6	40.875	23.625	6.71	12.77
	4-8	40.875	24.625	6.99	13.33
	4-10	40.875	25.625	7.27	13.88
	5-0	40.875	26.625	7.56	14.44
	5-2	40.875	27.625	7.84	15.00
	5-4	40.875	28.625	8.13	15.56
	5-6	40.875	29.625	8.41	16.11
	5-8	40.875	30.625	8.69	16.67
	5-10	40.875	31.625	8.98	17.23
	6-0	40.875	32.625	9.26	17.79
	6-2	40.875	33.625	9.54	18.34
	6-4	40.875	34.625	9.83	18.90
	6-6	40.875	35.625	10.11	19.46
	6-8	40.875	36.625	10.40	20.02
	6-10	40.875	37.625	10.68	20.57
	7-0	40.875	38.625	10.96	21.13
	7-2	40.875	39.625	11.25	21.69
	7-4	40.875	40.625	11.53	22.25
	7-6	40.875	41.625	11.82	22.80

NOTE:

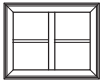
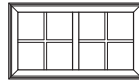
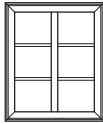
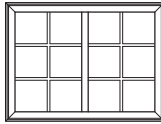
Units listed in **green** satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	7-8	40.875	42.625	12.10	23.36
	7-10	40.875	43.625	12.38	23.92
	8-0	40.875	44.625	12.67	24.48
4-0					
	2-4	42.875	10.625	3.16	5.80
	2-6	42.875	11.625	3.46	6.38
	2-8	42.875	12.625	3.76	6.97
	2-10	42.875	13.625	4.06	7.55
	3-0	42.875	14.625	4.35	8.14
	3-2	42.875	15.625	4.65	8.72
	3-4	42.875	16.625	4.95	9.31
	3-6	42.875	17.625	5.25	9.89
	3-8	42.875	18.625	5.55	10.48
	3-10	42.875	19.625	5.84	11.06
	4-0	42.875	20.625	6.14	11.65
	4-2	42.875	21.625	6.44	12.23
	4-4	42.875	22.625	6.74	12.82
	4-6	42.875	23.625	7.03	13.40
	4-8	42.875	24.625	7.33	13.99
	4-10	42.875	25.625	7.63	14.58
	5-0	42.875	26.625	7.93	15.16
	5-2	42.875	27.625	8.23	15.75
	5-4	42.875	28.625	8.52	16.33
	5-6	42.875	29.625	8.82	16.92
	5-8	42.875	30.625	9.12	17.50
	5-10	42.875	31.625	9.42	18.09
	6-0	42.875	32.625	9.71	18.67
	6-2	42.875	33.625	10.01	19.26
	6-4	42.875	34.625	10.31	19.84
	6-6	42.875	35.625	10.61	20.43
	6-8	42.875	36.625	10.90	21.01
	6-10	42.875	37.625	11.20	21.60
	7-0	42.875	38.625	11.50	22.18
	7-2	42.875	39.625	11.80	22.77
	7-4	42.875	40.625	12.10	23.35
	7-6	42.875	41.625	12.39	23.94
	7-8	42.875	42.625	12.69	24.53
	7-10	42.875	43.625	12.99	25.11
	8-0	42.875	44.625	13.29	25.70

NOTE:

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

Standard Colonial Grille Pattern Widths

Unit Dimension Rough Opening Call Size			WIDTH																													
			2'-5 1/2"	2'-7 1/2"	2'-9 1/2"	2'-11 1/2"	3'-1 1/2"	3'-3 1/2"	3'-5 1/2"	3'-7 1/2"	3'-9 1/2"	3'-11 1/2"	4'-1 1/2"	4'-3 1/2"	4'-5 1/2"	4'-7 1/2"	4'-9 1/2"															
			30"	31	32"	33	34"	35	36"	37	38"	39	40"	41	42"	43	44"	45	46"	47	48"	49	50"	51	52"	53	54"	55	56"	57	58"	59
			2-6		2-8		2-10		3-0		3-2		3-4		3-6		3-8		3-10		4-0		4-2		4-4		4-6		4-8		4-10	
HEIGHT																																
1'-11 1/2"	24"	2-0																														
2'-1 1/2"	26"	2-2																														
2'-3 1/2"	28"	2-4																														
2'-5 1/2"	30"	2-6																														
2'-7 1/2"	32"	2-8																														
2'-9 1/2"	34"	2-10																														
2'-11 1/2"	36"	3-0																														
3'-1 1/2"	38"	3-2																														
3'-3 1/2"	40"	3-4																														
3'-5 1/2"	42"	3-6																														

Egress Chart

Call Sizes that meet or exceed 5.7 sq ft. Clear Opening					
Width	x	Height	Width	x	Height
4-0	x	4-0 to 6-0	5-2	x	3-0 to 6-0
4-2	x	3-10 to 6-0	5-4	x	3-0 to 6-0
4-4	x	3-8 to 6-0	5-6	x	2-10 to 6-0
4-6	x	3-6 to 6-0	5-8	x	2-10 to 6-0
4-8	x	3-4 to 6-0	5-10	x	2-10 to 6-0
4-10	x	3-4 to 6-0	6-0	x	2-8 to 6-0
5-0	x	3-2 to 6-0			

NOTE:

Units shown satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area. For complete tables see pages 94-103.

Standard Colonial Grille Pattern Widths

							WIDTH	Unit Dimension	
4'-11 1/2"	5'-1 1/2"	5'-3 1/2"	5'-5 1/2"	5'-7 1/2"	5'-9 1/2"	5'-11 1/2"		Rough Opening	Call Size
60"	61 62"	63 64"	65 66"	67 68"	69 70"	71 72"			
5-0	5-2	5-4	5-6	5-8	5-10	6-0			
								HEIGHT	
								2-0	24"
								25	1'-11 1/2"
								2-2	26"
								27	2'-1 1/2"
								2-4	28"
								29	2'-3 1/2"
								2-6	30"
								31	2'-5 1/2"
								2-8	32"
								33	2'-7 1/2"
								2-10	34"
								35	2'-9 1/2"
								3-0	36"
								37	2'-11 1/2"
								3-2	38"
								39	3'-1 1/2"
								3-4	40"
								41	3'-3 1/2"
								3-6	42"
									3'-5 1/2"

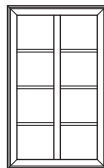
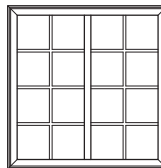
Egress Chart

Call Sizes that meet or exceed 5.7 sq ft. Clear Opening					
Width	x	Height	Width	x	Height
4-0	x	4-0 to 6-0	5-2	x	3-0 to 6-0
4-2	x	3-10 to 6-0	5-4	x	3-0 to 6-0
4-4	x	3-8 to 6-0	5-6	x	2-10 to 6-0
4-6	x	3-6 to 6-0	5-8	x	2-10 to 6-0
4-8	x	3-4 to 6-0	5-10	x	2-10 to 6-0
4-10	x	3-4 to 6-0	6-0	x	2-8 to 6-0
5-0	x	3-2 to 6-0			

NOTE:

Units shown satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area. For complete tables see pages 94-103.

Single - Even Lite Widths

Unit Dimension Rough Opening Call Size			WIDTH																															
			2'-5 1/2"	31	2'-7 1/2"	33	2'-9 1/2"	35	2'-11 1/2"	37	3'-1 1/2"	39	3'-3 1/2"	41	3'-5 1/2"	43	3'-7 1/2"	45	3'-9 1/2"	47	3'-11 1/2"	49	4'-1 1/2"	51	4'-3 1/2"	53	4'-5 1/2"	55	4'-7 1/2"	57	4'-9 1/2"	59		
HEIGHT			2-6	2-8	2-10	3-0	3-2	3-4	3-6	3-8	3-10	4-0	4-2	4-4	4-6	4-8	4-10																	
3'-7 1/2"	44"	3-8																																
3'-9 1/2"	46"	3-10																																
3'-11 1/2"	48"	4-0																																
4'-1 1/2"	50"	4-2																																
4'-3 1/2"	52"	4-4																																
4'-5 1/2"	54"	4-6																																
4'-7 1/2"	56"	4-8																																
4'-9 1/2"	58"	4-10																																
4'-11 1/2"	60"	5-0																																
5'-1 1/2"	62"	5-2																																
5'-3 1/2"	64"	5-4																																
5'-5 1/2"	66"	5-6																																
5'-7 1/2"	68"	5-8																																
5'-9 1/2"	70"	5-10																																
5'-11 1/2"	72"	6-0																																

Egress Chart

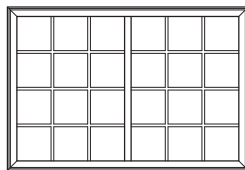
Call Sizes that meet or exceed 5.7 sq ft. Clear Opening					
Width	x	Height	Width	x	Height
4-0	x	4-0 to 6-0	5-2	x	3-0 to 6-0
4-2	x	3-10 to 6-0	5-4	x	3-0 to 6-0
4-4	x	3-8 to 6-0	5-6	x	2-10 to 6-0
4-6	x	3-6 to 6-0	5-8	x	2-10 to 6-0
4-8	x	3-4 to 6-0	5-10	x	2-10 to 6-0
4-10	x	3-4 to 6-0	6-0	x	2-8 to 6-0
5-0	x	3-2 to 6-0			

NOTE:

Units shown satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area. For complete tables see pages 94-103.

Single - Even Lite Widths

							WIDTH	Unit Dimension				
4'-11 1/2"	5'-1 1/2"	5'-3 1/2"	5'-5 1/2"	5'-7 1/2"	5'-9 1/2"	5'-11 1/2"		Rough Opening	Call Size			
60"	61	62"	63	64"	65	66"	67	68"	69	70"	71	72"
5-0	5-2	5-4	5-6	5-8	5-10	6-0						



HEIGHT		
3-8	44"	3'-7 1/2"
	45	
3-10	46"	3'-9 1/2"
	47	
4-0	48"	3'-11 1/2"
	49	
4-2	50"	4'-1 1/2"
	51	
4-4	52"	4'-3 1/2"
	53	
4-6	54"	4'-5 1/2"
	55	
4-8	56"	4'-7 1/2"
	57	
4-10	58"	4'-9 1/2"
	59	
5-0	60"	4'-11 1/2"
	61	
5-2	62"	5'-1 1/2"
	63	
5-4	64"	5'-3 1/2"
	65	
5-6	66"	5'-5 1/2"
	67	
5-8	68"	5'-7 1/2"
	69	
5-10	70"	5'-9 1/2"
	71	
6-0	72"	5'-11 1/2"

Egress Chart

Call Sizes that meet or exceed 5.7 sq ft. Clear Opening					
Width	x	Height	Width	x	Height
4-0	x	4-0 to 6-0	5-2	x	3-0 to 6-0
4-2	x	3-10 to 6-0	5-4	x	3-0 to 6-0
4-4	x	3-8 to 6-0	5-6	x	2-10 to 6-0
4-6	x	3-6 to 6-0	5-8	x	2-10 to 6-0
4-8	x	3-4 to 6-0	5-10	x	2-10 to 6-0
4-10	x	3-4 to 6-0	6-0	x	2-8 to 6-0
5-0	x	3-2 to 6-0			

NOTE:

Units shown satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area. For complete tables see pages 94-103.

Sliding Window – Triple Operating Units

1/3 - 1/3 - 1/3 Lite

Unit Dimension Rough Opening Call Size			WIDTH					
HEIGHT			5'-11 1/2"	6'-1 1/2"	6'-3 1/2"	6'-5 1/2"	6'-7 1/2"	6'-9 1/2"
1'-11 1/2"	24"	2-0	72"	74"	76"	78"	80"	82"
2'-1 1/2"	26"	2-2	73	75	77	79	81	83
2'-3 1/2"	28"	2-4	6-0 E	6-2 E3	6-4 E3	6-6 E3	6-8E3	6-10 E3
2'-5 1/2"	30"	2-6						
2'-7 1/2"	32"	2-8						
2'-9 1/2"	34"	2-10						
2'-11 1/2"	36"	3-0						
3'-1 1/2"	38"	3-2						
3'-3 1/2"	40"	3-4						
3'-5 1/2"	42"	3-6						

Egress Chart

Call Sizes that meet or exceed 5.7 sq ft. Clear Opening					
Width	x	Height	Width	x	Height
4-0	x	4-0 to 6-0	5-2	x	3-0 to 6-0
4-2	x	3-10 to 6-0	5-4	x	3-0 to 6-0
4-4	x	3-8 to 6-0	5-6	x	2-10 to 6-0
4-6	x	3-6 to 6-0	5-8	x	2-10 to 6-0
4-8	x	3-4 to 6-0	5-10	x	2-10 to 6-0
4-10	x	3-4 to 6-0	6-0	x	2-8 to 6-0
5-0	x	3-2 to 6-0			

NOTE:

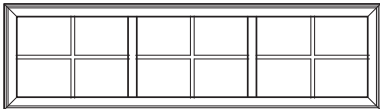
Units shown satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area. For complete tables see pages 94-103.

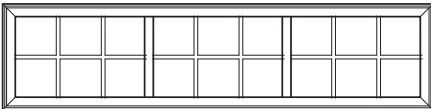
Sliding Window – Triple Operating Units

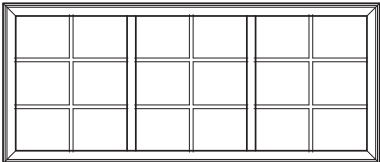
1/3 - 1/3 - 1/3 Lite

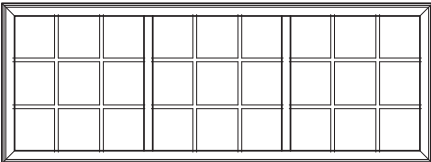
6'-11 1/2"	6'-11 1/2"	6'-3 1/2"	6'-5 1/2"	6'-7 1/2"	6'-9 1/2"	6'-9 1/2"						
84"	85	86"	87	88"	89	90"	91	92"	93	94"	95	96"
7-0 E3	7-2 E3	7-4 E3	7-6 E3	7-8 E3	7-10 E3	8-0 E3						

WIDTH









Unit Dimension Rough Opening Call Size		HEIGHT
2-0	24"	1'-11 1/2"
	25	
2-2	26"	2'-1 1/2"
	27	
2-4	28"	2'-3 1/2"
	29	
2-6	30"	2'-5 1/2"
	31	
2-8	32"	2'-7 1/2"
	33	
2-10	34"	2'-9 1/2"
	35	
3-0	36"	2'-11 1/2"
	37	
3-2	38"	3'-1 1/2"
	39	
3-4	40"	3'-3 1/2"
	41	
3-6	42"	3'-5 1/2"

Egress Chart

Call Sizes that meet or exceed 5.7 sq ft. Clear Opening					
Width	x	Height	Width	x	Height
4-0	x	4-0 to 6-0	5-2	x	3-0 to 6-0
4-2	x	3-10 to 6-0	5-4	x	3-0 to 6-0
4-4	x	3-8 to 6-0	5-6	x	2-10 to 6-0
4-6	x	3-6 to 6-0	5-8	x	2-10 to 6-0
4-8	x	3-4 to 6-0	5-10	x	2-10 to 6-0
4-10	x	3-4 to 6-0	6-0	x	2-8 to 6-0
5-0	x	3-2 to 6-0			

NOTE:

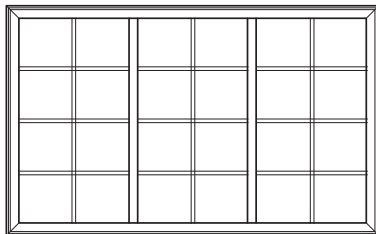
Units shown satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area. For complete tables see pages 94-103.

Sliding Window – Triple Operating Units

1/3 - 1/3 - 1/3 Lite

Unit Dimension Rough Opening Call Size			WIDTH																							
			4'-11 1/2"	5'-1 1/2"	5'-3 1/2"	5'-5 1/2"	5'-7 1/2"	5'-9 1/2"	5'-11 1/2"	6'-1 1/2"	6'-3 1/2"	6'-5 1/2"	6'-7 1/2"	6'-9 1/2"												
			60"	61	62"	63	64"	65	66"	67	68"	69	70"	71	72"	73	74"	75	76"	77	78"	79	80"	81	82"	83
			5-0 3E	5-2 E3	5-4 E3	5-6 E3	5-8E3	5-10 E3	6-0 3E	6-2 E3	6-4 E3	6-6 E3	6-8E3	6-10 E3												

HEIGHT		
3'-7 1/2"	44"	3-8
3'-9 1/2"	46"	3-10
3'-11 1/2"	48"	4-0
4'-1 1/2"	50"	4-2
4'-3 1/2"	52"	4-4
4'-5 1/2"	54"	4-6
4'-7 1/2"	56"	4-8
4'-9 1/2"	58"	4-10
4'-11 1/2"	60"	5-0
5'-1 1/2"	62"	5-2
5'-3 1/2"	64"	5-4
5'-5 1/2"	66"	5-6
5'-7 1/2"	68"	5-8
5'-9 1/2"	70"	5-10
5'-11 1/2"	72"	6-0



Egress Chart

Call Sizes that meet or exceed 5.7 sq ft. Clear Opening					
Width	x	Height	Width	x	Height
4-0	x	4-0 to 6-0	5-2	x	3-0 to 6-0
4-2	x	3-10 to 6-0	5-4	x	3-0 to 6-0
4-4	x	3-8 to 6-0	5-6	x	2-10 to 6-0
4-6	x	3-6 to 6-0	5-8	x	2-10 to 6-0
4-8	x	3-4 to 6-0	5-10	x	2-10 to 6-0
4-10	x	3-4 to 6-0	6-0	x	2-8 to 6-0
5-0	x	3-2 to 6-0			

NOTE:

Units shown satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area. For complete tables see pages 94-103.

Sliding Window – Triple Operating Units

1/3 - 1/3 - 1/3 Lite

												Unit Dimension Rough Opening Call Size	HEIGHT		
6'-3 1/2"	6'-5 1/2"	6'-7 1/2"	6'-9 1/2"	6'-11 1/2"	7'-1 1/2"	7'-3 1/2"	7'-5 1/2"	7'-7 1/2"	7'-9 1/2"	7'-11 1/2"	WIDTH				
87	89	91	93	95	97	99	101	103	105	107					
88"	90"	92"	94"	96"	98"	100"	102"	104"	106"	108"					
7-4 E3	7-6 E3	7-8 E3	7-10 E3	8-0 E3	8-2 E3	8-4 E3	8-6 E3	8-8 E3	8-10 E3	9-0 E3					

												3-8	44"	3'-7 1/2"	
													45		
												3-10	46"	3'-9 1/2"	
													47		
												4-0	48"	3'-11 1/2"	
													49		
												4-2	50"	4'-1 1/2"	
													51		
												4-4	52"	4'-3 1/2"	
													53		
												4-6	54"	4'-5 1/2"	
													55		
												4-8	56"	4'-7 1/2"	
													57		
												4-10	58"	4'-9 1/2"	
													59		
												5-0	60"	4'-11 1/2"	
													61		
												5-2	62"	5'-1 1/2"	
													63		
												5-4	64"	5'-3 1/2"	
													65		
												5-6	66"	5'-5 1/2"	
													67		
												5-8	68"	5'-7 1/2"	
													69		
												5-10	70"	5'-9 1/2"	
													71		
												6-0	72"	5'-11 1/2"	

Egress Chart

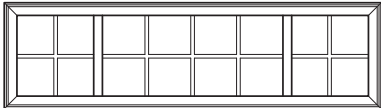
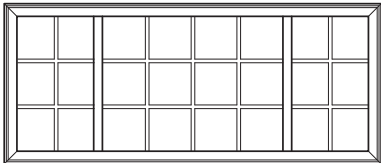
Call Sizes that meet or exceed 5.7 sq ft. Clear Opening					
Width	x	Height	Width	x	Height
4-0	x	4-0 to 6-0	5-2	x	3-0 to 6-0
4-2	x	3-10 to 6-0	5-4	x	3-0 to 6-0
4-4	x	3-8 to 6-0	5-6	x	2-10 to 6-0
4-6	x	3-6 to 6-0	5-8	x	2-10 to 6-0
4-8	x	3-4 to 6-0	5-10	x	2-10 to 6-0
4-10	x	3-4 to 6-0	6-0	x	2-8 to 6-0
5-0	x	3-2 to 6-0			

NOTE:

Units shown satisfy ICC egress requirements. Check with your local code official to confirm egress requirements in your area. For complete tables see pages 94-103.

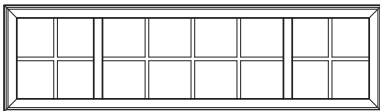
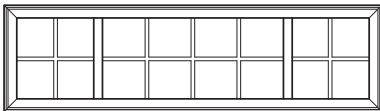
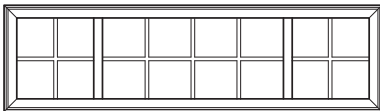
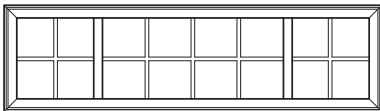
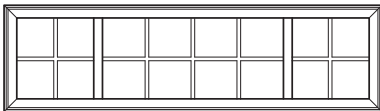
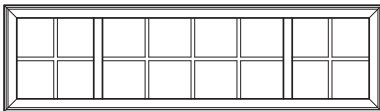
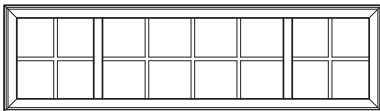
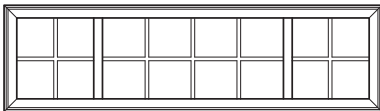
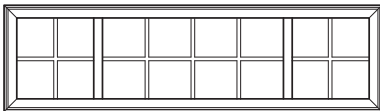
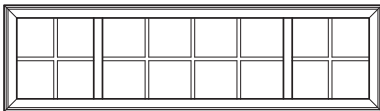
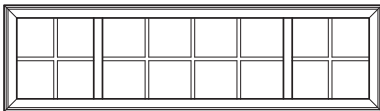
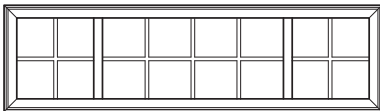
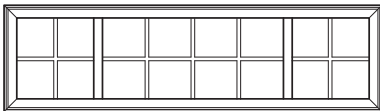
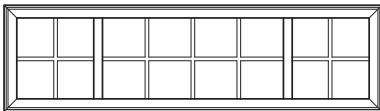
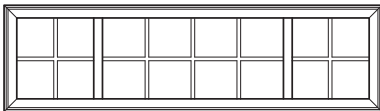
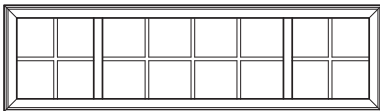
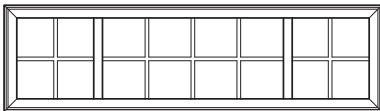
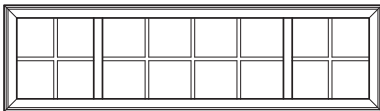
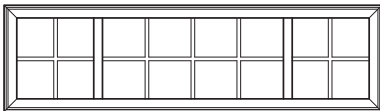
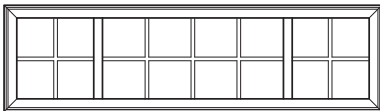
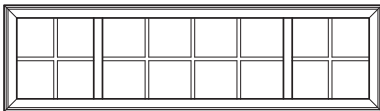
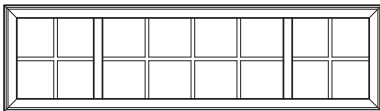
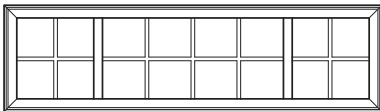
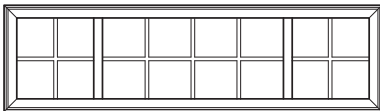
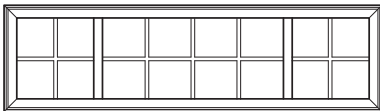
Sliding Window – Triple Operating Units

1/4 - 1/2 - 1/4 Lite

Unit Dimension Rough Opening Call Size			WIDTH											
HEIGHT			4'-11 1/2"	5'-1 1/2"	5'-3 1/2"	5'-5 1/2"	5'-7 1/2"	5'-9 1/2"	5'-11 1/2"	6'-1 1/2"	6'-3 1/2"	6'-5 1/2"	6'-7 1/2"	6'-9 1/2"
			60"	62"	64"	66"	68"	70"	72"	74"	76"	78"	80"	82"
			5-0 3E	5-2 E3	5-4 E3	5-6 E3	5-8E3	5-10 E3	6-0 3E	6-2 E3	6-4 E3	6-6 E3	6-8E3	6-10 E3
1'-11 1/2"	24"	2-0												
2'-1 1/2"	26"	2-2												
2'-3 1/2"	28"	2-4												
2'-5 1/2"	30"	2-6												
2'-7 1/2"	32"	2-8												
2'-9 1/2"	34"	2-10												
2'-11 1/2"	36"	3-0												
3'-1 1/2"	38"	3-2												
3'-3 1/2"	40"	3-4												
3'-5 1/2"	42"	3-6												
3'-7 1/2"	44"	3-8												
3'-9 1/2"	46"	3-10												
3'-11 1/2"	48"	4-0												
4'-1 1/2"	50"	4-2												
4'-3 1/2"	52"	4-4												
4'-5 1/2"	54"	4-6												
4'-7 1/2"	56"	4-8												
4'-9 1/2"	58"	4-10												
4'-11 1/2"	60"	5-0												
5'-1 1/2"	62"	5-2												
5'-3 1/2"	64"	5-4												
5'-5 1/2"	66"	5-6												
5'-7 1/2"	68"	5-8												
5'-9 1/2"	70"	5-10												
5'-11 1/2"	72"	6-0												

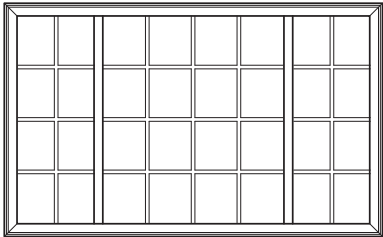
Sliding Window – Triple Operating Units

1/4 - 1/2 - 1/4 Lite

6'-3 1/2"		6'-5 1/2"		6'-7 1/2"		6'-9 1/2"		6'-11 1/2"		7'-1 1/2"		7'-3 1/2"		7'-5 1/2"		7'-7 1/2"		7'-9 1/2"		7'-11 1/2"		Unit Dimension Rough Opening Call Size				
87	88"	89	90"	91	92"	93	94"	95	96"	97	98"	99	100"	101	102"	103	104"	105	106"	107	108"					
7-4 E3		7-6 E3		7-8 E3		7-10 E3		8-0 E3		8-2 E3		8-4 E3		8-6 E3		8-8 E3		8-10 E3		9-0 E3						
																							WIDTH	HEIGHT		
																							2-0	24"	1'-11 1/2"	
																								25		
																							2-2	26"	2'-1 1/2"	
																								27		
																							2-4	28"	2'-3 1/2"	
																								29		
																							2-6	30"	2'-5 1/2"	
																								31		
																							2-8	32"	2'-7 1/2"	
																								33		
																							2-10	34"	2'-9 1/2"	
																								35		
																							3-0	36"	2'-11 1/2"	
																								37		
																							3-2	38"	3'-1 1/2"	
																								39		
																							3-4	40"	3'-3 1/2"	
																								41		
																							3-6	42"	3'-5 1/2"	
																								43		
																							3-8	44"	3'-7 1/2"	
																								45		
																							3-10	46"	3'-9 1/2"	
																								47		
																							4-0	48"	3'-11 1/2"	
																								49		
																							4-2	50"	4'-1 1/2"	
																								51		
																							4-4	52"	4'-3 1/2"	
																								53		
																							4-6	54"	4'-5 1/2"	
																								55		
																							4-8	56"	4'-7 1/2"	
																								57		
																							4-10	58"	4'-9 1/2"	
																								59		
																							5-0	60"	4'-11 1/2"	
																								61		
																							5-2	62"	5'-1 1/2"	
																								63		
																							5-4	64"	5'-3 1/2"	
																								65		
																							5-6	66"	5'-5 1/2"	
																								67		
																							5-8	68"	5'-7 1/2"	
																								69		
																							5-10	70"	5'-9 1/2"	
																								71		
																							6-0	72"	5'-11 1/2"	

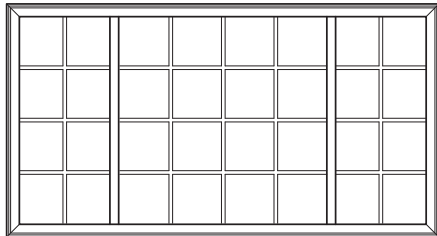
Sliding Window – Triple Operating Units

1/4 - 1/2 - 1/4 Lite

Unit Dimension Rough Opening Call Size			WIDTH					
			5'-11 1/2"	6'-1 1/2"	6'-3 1/2"	6'-5 1/2"	6'-7 1/2"	6'-9 1/2"
			72"	74"	76"	78"	80"	82"
			73	75	77	79	81	83
			6-0 3E	6-2 E3	6-4 E3	6-6 E3	6-8E3	6-10 E3
HEIGHT								
3'-7 1/2"	44"	3-8						
45								
3'-9 1/2"	46"	3-10						
47								
3'-11 1/2"	48"	4-0						
49								
4'-1 1/2"	50"	4-2						
51								
4'-3 1/2"	52"	4-4						
53								
4'-5 1/2"	54"	4-6						
55								
4'-7 1/2"	56"	4-8						
57								
4'-9 1/2"	58"	4-10						
59								
4'-11 1/2"	60"	5-0						
61								
5'-1 1/2"	62"	5-2						

1/4 - 1/2 - 1/4 Lite

							WIDTH	Unit Dimension				
								Rough Opening	Call Size	HEIGHT		
6'-11 1/2"	6'-11 1/2"	6'-3 1/2"	6'-5 1/2"	6'-7 1/2"	6'-9 1/2"	6'-9 1/2"						
84"	85	86"	87	88"	89	90"	91	92"	93	94"	95	96"
7-0 E3		7-2 E3		7-4 E3		7-6 E3		7-8 E3		7-10 E3		8-0 E3



3-8	44"	3'-7 1/2"
	45	
3-10	46"	3'-9 1/2"
	47	
4-0	48"	3'-11 1/2"
	49	
4-2	50"	4'-1 1/2"
	51	
4-4	52"	4'-3 1/2"
	53	
4-6	54"	4'-5 1/2"
	55	
4-8	56"	4'-7 1/2"
	57	
4-10	58"	4'-9 1/2"
	59	
5-0	60"	4'-11 1/2"
	61	
5-2	62"	5'-1 1/2"

Sliding Window – Triple Operating Units

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
2-0					
	1-0	8.062	6.375	0.36	0.60
	1-2	8.062	8.375	0.47	0.81
	1-4	8.062	10.375	0.58	1.01
	1-6	8.062	12.375	0.69	1.22
	1-8	8.062	14.375	0.80	1.43
	1-10	8.062	16.375	0.92	1.64
	2-0	8.062	18.375	1.03	1.84
	2-2	8.062	20.375	1.14	2.05
	2-4	8.062	22.375	1.25	2.26
	2-6	8.062	24.375	1.36	2.47
	2-8	8.062	26.375	1.48	2.67
	2-10	8.062	28.375	1.59	2.88
	3-0	8.062	30.375	1.70	3.09
	3-2	8.062	32.375	1.81	3.30
	3-4	8.062	34.375	1.92	3.50
	3-6	8.062	36.375	2.04	3.71
	3-8	8.062	38.375	2.15	3.92
	3-10	8.062	40.375	2.26	4.13
	4-0	8.062	42.375	2.37	4.33
	4-2	8.062	44.375	2.48	4.54
	4-4	8.062	46.375	2.60	4.75
	4-6	8.062	48.375	2.71	4.96
	4-8	8.062	50.375	2.82	5.16
	4-10	8.062	52.375	2.93	5.37
	5-0	8.062	54.375	3.04	5.58
	5-2	8.062	56.375	3.16	5.79
	5-4	8.062	58.375	3.27	5.99
	5-6	8.062	60.375	3.38	6.20
	5-8	8.062	62.375	3.49	6.41
	5-10	8.062	64.375	3.60	6.61
	6-0	8.062	66.375	3.72	6.82
2-2					
	1-0	9.062	6.375	0.40	0.68
	1-2	9.062	8.375	0.53	0.91
	1-4	9.062	10.375	0.65	1.15
	1-6	9.062	12.375	0.78	1.38
	1-8	9.062	14.375	0.90	1.62
	1-10	9.062	16.375	1.03	1.85
	2-0	9.062	18.375	1.16	2.09
	2-2	9.062	20.375	1.28	2.32

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	2-4	9.062	22.375	1.41	2.56
	2-6	9.062	24.375	1.53	2.80
	2-8	9.062	26.375	1.66	3.03
	2-10	9.062	28.375	1.79	3.27
	3-0	9.062	30.375	1.91	3.50
	3-2	9.062	32.375	2.04	3.74
	3-4	9.062	34.375	2.16	3.97
	3-6	9.062	36.375	2.29	4.21
	3-8	9.062	38.375	2.41	4.44
	3-10	9.062	40.375	2.54	4.68
	4-0	9.062	42.375	2.67	4.91
	4-2	9.062	44.375	2.79	5.15
	4-4	9.062	46.375	2.92	5.38
	4-6	9.062	48.375	3.04	5.62
	4-8	9.062	50.375	3.17	5.85
	4-10	9.062	52.375	3.30	6.09
	5-0	9.062	54.375	3.42	6.32
	5-2	9.062	56.375	3.55	6.56
	5-4	9.062	58.375	3.67	6.79
	5-6	9.062	60.375	3.80	7.03
	5-8	9.062	62.375	3.93	7.26
	5-10	9.062	64.375	4.05	7.50
	6-0	9.062	66.375	4.18	7.74
2-4					
	1-0	10.062	6.375	0.45	0.76
	1-2	10.062	8.375	0.59	1.02
	1-4	10.062	10.375	0.72	1.28
	1-6	10.062	12.375	0.86	1.55
	1-8	10.062	14.375	1.00	1.81
	1-10	10.062	16.375	1.14	2.07
	2-0	10.062	18.375	1.28	2.34
	2-2	10.062	20.375	1.42	2.60
	2-4	10.062	22.375	1.56	2.86
	2-6	10.062	24.375	1.70	3.12
	2-8	10.062	26.375	1.84	3.39
	2-10	10.062	28.375	1.98	3.65
	3-0	10.062	30.375	2.12	3.91
	3-2	10.062	32.375	2.26	4.18
	3-4	10.062	34.375	2.40	4.44
	3-6	10.062	36.375	2.54	4.70
	3-8	10.062	38.375	2.68	4.97

NOTE:

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

Sliding Window – Triple Operating Units

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	3-10	10.062	40.375	2.82	5.23
	4-0	10.062	42.375	2.96	5.49
	4-2	10.062	44.375	3.10	5.75
	4-4	10.062	46.375	3.24	6.02
	4-6	10.062	48.375	3.38	6.28
	4-8	10.062	50.375	3.52	6.54
	4-10	10.062	52.375	3.66	6.81
	5-0	10.062	54.375	3.80	7.07
	5-2	10.062	56.375	3.94	7.33
	5-4	10.062	58.375	4.08	7.60
	5-6	10.062	60.375	4.22	7.86
	5-8	10.062	62.375	4.36	8.12
	5-10	10.062	64.375	4.50	8.38
	6-0	10.062	66.375	4.64	8.65
2-6					
	1-0	11.062	6.375	0.49	0.84
	1-2	11.062	8.375	0.64	1.13
	1-4	11.062	10.375	0.80	1.42
	1-6	11.062	12.375	0.95	1.71
	1-8	11.062	14.375	1.10	2.00
	1-10	11.062	16.375	1.26	2.29
	2-0	11.062	18.375	1.41	2.58
	2-2	11.062	20.375	1.57	2.87
	2-4	11.062	22.375	1.72	3.16
	2-6	11.062	24.375	1.87	3.45
	2-8	11.062	26.375	2.03	3.74
	2-10	11.062	28.375	2.18	4.04
	3-0	11.062	30.375	2.33	4.33
	3-2	11.062	32.375	2.49	4.62
	3-4	11.062	34.375	2.64	4.91
	3-6	11.062	36.375	2.79	5.20
	3-8	11.062	38.375	2.95	5.49
	3-10	11.062	40.375	3.10	5.78
	4-0	11.062	42.375	3.26	6.07
	4-2	11.062	44.375	3.41	6.36
	4-4	11.062	46.375	3.56	6.65
	4-6	11.062	48.375	3.72	6.94
	4-8	11.062	50.375	3.87	7.23
	4-10	11.062	52.375	4.02	7.53
	5-0	11.062	54.375	4.18	7.82
	5-2	11.062	56.375	4.33	8.11

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	5-4	11.062	58.375	4.48	8.40
	5-6	11.062	60.375	4.64	8.69
	5-8	11.062	62.375	4.79	8.98
	5-10	11.062	64.375	4.95	9.27
	6-0	11.062	66.375	5.10	9.56
2-8					
	1-0	12.062	6.375	0.53	0.92
	1-2	12.062	8.375	0.70	1.23
	1-4	12.062	10.375	0.87	1.55
	1-6	12.062	12.375	1.04	1.87
	1-8	12.062	14.375	1.20	2.19
	1-10	12.062	16.375	1.37	2.51
	2-0	12.062	18.375	1.54	2.83
	2-2	12.062	20.375	1.71	3.15
	2-4	12.062	22.375	1.87	3.46
	2-6	12.062	24.375	2.04	3.78
	2-8	12.062	26.375	2.21	4.10
	2-10	12.062	28.375	2.38	4.42
	3-0	12.062	30.375	2.54	4.74
	3-2	12.062	32.375	2.71	5.06
	3-4	12.062	34.375	2.88	5.38
	3-6	12.062	36.375	3.05	5.69
	3-8	12.062	38.375	3.21	6.01
	3-10	12.062	40.375	3.38	6.33
	4-0	12.062	42.375	3.55	6.65
	4-2	12.062	44.375	3.72	6.97
	4-4	12.062	46.375	3.88	7.29
	4-6	12.062	48.375	4.05	7.61
	4-8	12.062	50.375	4.22	7.92
	4-10	12.062	52.375	4.39	8.24
	5-0	12.062	54.375	4.55	8.56
	5-2	12.062	56.375	4.72	8.88
	5-4	12.062	58.375	4.89	9.20
	5-6	12.062	60.375	5.06	9.52
	5-8	12.062	62.375	5.22	9.84
	5-10	12.062	64.375	5.39	10.15
	6-0	12.062	66.375	5.56	10.47
2-10					
	1-0	13.062	6.375	0.58	1.00
	1-2	13.062	8.375	0.76	1.34
	1-4	13.062	10.375	0.94	1.69

NOTE:

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Sliding Window – Triple Operating Units

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	1-6	13.062	12.375	1.12	2.03
	1-8	13.062	14.375	1.30	2.38
	1-10	13.062	16.375	1.49	2.73
	2-0	13.062	18.375	1.67	3.07
	2-2	13.062	20.375	1.85	3.42
	2-4	13.062	22.375	2.03	3.77
	2-6	13.062	24.375	2.21	4.11
	2-8	13.062	26.375	2.39	4.46
	2-10	13.062	28.375	2.57	4.81
	3-0	13.062	30.375	2.76	5.15
	3-2	13.062	32.375	2.94	5.50
	3-4	13.062	34.375	3.12	5.84
	3-6	13.062	36.375	3.30	6.19
	3-8	13.062	38.375	3.48	6.54
	3-10	13.062	40.375	3.66	6.88
	4-0	13.062	42.375	3.84	7.23
	4-2	13.062	44.375	4.03	7.58
	4-4	13.062	46.375	4.21	7.92
	4-6	13.062	48.375	4.39	8.27
	4-8	13.062	50.375	4.57	8.62
	4-10	13.062	52.375	4.75	8.96
	5-0	13.062	54.375	4.93	9.31
	5-2	13.062	56.375	5.11	9.65
	5-4	13.062	58.375	5.30	10.00
	5-6	13.062	60.375	5.48	10.35
	5-8	13.062	62.375	5.66	10.69
	5-10	13.062	64.375	5.84	11.04
	6-0	13.062	66.375	6.02	11.39
3-0					
	1-0	14.062	6.375	0.62	1.08
	1-2	14.062	8.375	0.82	1.45
	1-4	14.062	10.375	1.01	1.82
	1-6	14.062	12.375	1.21	2.20
	1-8	14.062	14.375	1.40	2.57
	1-10	14.062	16.375	1.60	2.95
	2-0	14.062	18.375	1.79	3.32
	2-2	14.062	20.375	1.99	3.69
	2-4	14.062	22.375	2.18	4.07
	2-6	14.062	24.375	2.38	4.44
	2-8	14.062	26.375	2.58	4.82
	2-10	14.062	28.375	2.77	5.19

	3-0	14.062	30.375	2.97	5.56
	3-2	14.062	32.375	3.16	5.94
	3-4	14.062	34.375	3.36	6.31
	3-6	14.062	36.375	3.55	6.69
	3-8	14.062	38.375	3.75	7.06
	3-10	14.062	40.375	3.94	7.44
	4-0	14.062	42.375	4.14	7.81
	4-2	14.062	44.375	4.33	8.18
	4-4	14.062	46.375	4.53	8.56
	4-6	14.062	48.375	4.72	8.93
	4-8	14.062	50.375	4.92	9.31
	4-10	14.062	52.375	5.11	9.68
	5-0	14.062	54.375	5.31	10.05
	5-2	14.062	56.375	5.51	10.43
	5-4	14.062	58.375	5.70	10.80
	5-6	14.062	60.375	5.90	11.18
	5-8	14.062	62.375	6.09	11.55
	5-10	14.062	64.375	6.29	11.92
	6-0	14.062	66.375	6.48	12.30
3-2					
	1-0	15.062	6.375	0.67	1.15
	1-2	15.062	8.375	0.88	1.56
	1-4	15.062	10.375	1.09	1.96
	1-6	15.062	12.375	1.29	2.36
	1-8	15.062	14.375	1.50	2.76
	1-10	15.062	16.375	1.71	3.16
	2-0	15.062	18.375	1.92	3.57
	2-2	15.062	20.375	2.13	3.97
	2-4	15.062	22.375	2.34	4.37
	2-6	15.062	24.375	2.55	4.77
	2-8	15.062	26.375	2.76	5.17
	2-10	15.062	28.375	2.97	5.58
	3-0	15.062	30.375	3.18	5.98
	3-2	15.062	32.375	3.39	6.38
	3-4	15.062	34.375	3.60	6.78
	3-6	15.062	36.375	3.80	7.18
	3-8	15.062	38.375	4.01	7.58
	3-10	15.062	40.375	4.22	7.99
	4-0	15.062	42.375	4.43	8.39
	4-2	15.062	44.375	4.64	8.79
	4-4	15.062	46.375	4.85	9.19

NOTE:

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Sliding Window – Triple Operating Units

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	4-6	15.062	48.375	5.06	9.59
	4-8	15.062	50.375	5.27	10.00
	4-10	15.062	52.375	5.48	10.40
	5-0	15.062	54.375	5.69	10.80
	5-2	15.062	56.375	5.90	11.20
	5-4	15.062	58.375	6.11	11.60
	5-6	15.062	60.375	6.32	12.01
	5-8	15.062	62.375	6.52	12.41
	5-10	15.062	64.375	6.73	12.81
	6-0	15.062	66.375	6.94	13.21
3-4					
	1-0	16.062	6.375	0.71	1.23
	1-2	16.062	8.375	0.93	1.66
	1-4	16.062	10.375	1.16	2.09
	1-6	16.062	12.375	1.38	2.52
	1-8	16.062	14.375	1.60	2.95
	1-10	16.062	16.375	1.83	3.38
	2-0	16.062	18.375	2.05	3.81
	2-2	16.062	20.375	2.27	4.24
	2-4	16.062	22.375	2.50	4.67
	2-6	16.062	24.375	2.72	5.10
	2-8	16.062	26.375	2.94	5.53
	2-10	16.062	28.375	3.16	5.96
	3-0	16.062	30.375	3.39	6.39
	3-2	16.062	32.375	3.61	6.82
	3-4	16.062	34.375	3.83	7.25
	3-6	16.062	36.375	4.06	7.68
	3-8	16.062	38.375	4.28	8.11
	3-10	16.062	40.375	4.50	8.54
	4-0	16.062	42.375	4.73	8.97
	4-2	16.062	44.375	4.95	9.40
	4-4	16.062	46.375	5.17	9.83
	4-6	16.062	48.375	5.40	10.26
	4-8	16.062	50.375	5.62	10.69
	4-10	16.062	52.375	5.84	11.12
	5-0	16.062	54.375	6.07	11.55
	5-2	16.062	56.375	6.29	11.98
	5-4	16.062	58.375	6.51	12.41
	5-6	16.062	60.375	6.73	12.84
	5-8	16.062	62.375	6.96	13.27
	5-10	16.062	64.375	7.18	13.69

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	6-0	16.062	66.375	7.40	14.12
3-6					
	1-0	17.062	6.375	0.76	1.31
	1-2	17.062	8.375	0.99	1.77
	1-4	17.062	10.375	1.23	2.23
	1-6	17.062	12.375	1.47	2.69
	1-8	17.062	14.375	1.70	3.14
	1-10	17.062	16.375	1.94	3.60
	2-0	17.062	18.375	2.18	4.06
	2-2	17.062	20.375	2.41	4.52
	2-4	17.062	22.375	2.65	4.97
	2-6	17.062	24.375	2.89	5.43
	2-8	17.062	26.375	3.13	5.89
	2-10	17.062	28.375	3.36	6.35
	3-0	17.062	30.375	3.60	6.80
	3-2	17.062	32.375	3.84	7.26
	3-4	17.062	34.375	4.07	7.72
	3-6	17.062	36.375	4.31	8.18
	3-8	17.062	38.375	4.55	8.63
	3-10	17.062	40.375	4.78	9.09
	4-0	17.062	42.375	5.02	9.55
	4-2	17.062	44.375	5.26	10.01
	4-4	17.062	46.375	5.49	10.46
	4-6	17.062	48.375	5.73	10.92
	4-8	17.062	50.375	5.97	11.38
	4-10	17.062	52.375	6.21	11.83
	5-0	17.062	54.375	6.44	12.29
	5-2	17.062	56.375	6.68	12.75
	5-4	17.062	58.375	6.92	13.21
	5-6	17.062	60.375	7.15	13.66
	5-8	17.062	62.375	7.39	14.12
	5-10	17.062	64.375	7.63	14.58
	6-0	17.062	66.375	7.86	15.04
3-8					
	1-0	18.062	6.375	0.80	1.39
	1-2	18.062	8.375	1.05	1.88
	1-4	18.062	10.375	1.30	2.36
	1-6	18.062	12.375	1.55	2.85
	1-8	18.062	14.375	1.80	3.33
	1-10	18.062	16.375	2.05	3.82
	2-0	18.062	18.375	2.30	4.30

NOTE:

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Sliding Window – Triple Operating Units

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	2-2	18.062	20.375	2.56	4.79
	2-4	18.062	22.375	2.81	5.27
	2-6	18.062	24.375	3.06	5.76
	2-8	18.062	26.375	3.31	6.25
	2-10	18.062	28.375	3.56	6.73
	3-0	18.062	30.375	3.81	7.22
	3-2	18.062	32.375	4.06	7.70
	3-4	18.062	34.375	4.31	8.19
	3-6	18.062	36.375	4.56	8.67
	3-8	18.062	38.375	4.81	9.16
	3-10	18.062	40.375	5.06	9.64
	4-0	18.062	42.375	5.32	10.13
	4-2	18.062	44.375	5.57	10.61
	4-4	18.062	46.375	5.82	11.10
	4-6	18.062	48.375	6.07	11.58
	4-8	18.062	50.375	6.32	12.07
	4-10	18.062	52.375	6.57	12.55
	5-0	18.062	54.375	6.82	13.04
	5-2	18.062	56.375	7.07	13.52
	5-4	18.062	58.375	7.32	14.01
	5-6	18.062	60.375	7.57	14.49
	5-8	18.062	62.375	7.82	14.98
	5-10	18.062	64.375	8.07	15.46
	6-0	18.062	66.375	8.33	15.95
3-10					
	1-0	19.062	6.375	0.84	1.47
	1-2	19.062	8.375	1.11	1.99
	1-4	19.062	10.375	1.37	2.50
	1-6	19.062	12.375	1.64	3.01
	1-8	19.062	14.375	1.90	3.52
	1-10	19.062	16.375	2.17	4.04
	2-0	19.062	18.375	2.43	4.55
	2-2	19.062	20.375	2.70	5.06
	2-4	19.062	22.375	2.96	5.58
	2-6	19.062	24.375	3.23	6.09
	2-8	19.062	26.375	3.49	6.60
	2-10	19.062	28.375	3.76	7.12
	3-0	19.062	30.375	4.02	7.63
	3-2	19.062	32.375	4.29	8.14
	3-4	19.062	34.375	4.55	8.65
	3-6	19.062	36.375	4.82	9.17

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	3-8	19.062	38.375	5.08	9.68
	3-10	19.062	40.375	5.34	10.19
	4-0	19.062	42.375	5.61	10.71
	4-2	19.062	44.375	5.87	11.22
	4-4	19.062	46.375	6.14	11.73
	4-6	19.062	48.375	6.40	12.25
	4-8	19.062	50.375	6.67	12.76
	4-10	19.062	52.375	6.93	13.27
	5-0	19.062	54.375	7.20	13.78
	5-2	19.062	56.375	7.46	14.30
	5-4	19.062	58.375	7.73	14.81
	5-6	19.062	60.375	7.99	15.32
	5-8	19.062	62.375	8.26	15.84
	5-10	19.062	64.375	8.52	16.35
	6-0	19.062	66.375	8.79	16.86
4-0					
	1-0	20.062	6.375	0.89	1.55
	1-2	20.062	8.375	1.17	2.09
	1-4	20.062	10.375	1.45	2.63
	1-6	20.062	12.375	1.72	3.17
	1-8	20.062	14.375	2.00	3.71
	1-10	20.062	16.375	2.28	4.26
	2-0	20.062	18.375	2.56	4.80
	2-2	20.062	20.375	2.84	5.34
	2-4	20.062	22.375	3.12	5.88
	2-6	20.062	24.375	3.40	6.42
	2-8	20.062	26.375	3.67	6.96
	2-10	20.062	28.375	3.95	7.50
	3-0	20.062	30.375	4.23	8.04
	3-2	20.062	32.375	4.51	8.58
	3-4	20.062	34.375	4.79	9.12
	3-6	20.062	36.375	5.07	9.66
	3-8	20.062	38.375	5.35	10.20
	3-10	20.062	40.375	5.63	10.75
	4-0	20.062	42.375	5.90	11.29
	4-2	20.062	44.375	6.18	11.83
	4-4	20.062	46.375	6.46	12.37
	4-6	20.062	48.375	6.74	12.91
	4-8	20.062	50.375	7.02	13.45
	4-10	20.062	52.375	7.30	13.99
	5-0	20.062	54.375	7.58	14.53

NOTE:

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Sliding Window – Triple Operating Units

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	5-2	20.062	56.375	7.85	15.07
	5-4	20.062	58.375	8.13	15.61
	5-6	20.062	60.375	8.41	16.15
	5-8	20.062	62.375	8.69	16.69
	5-10	20.062	64.375	8.97	17.23
	6-0	20.062	66.375	9.25	17.78
4-2					
	1-0	21.062	6.375	0.93	1.63
	1-2	21.062	8.375	1.22	2.20
	1-4	21.062	10.375	1.52	2.77
	1-6	21.062	12.375	1.81	3.34
	1-8	21.062	14.375	2.10	3.91
	1-10	21.062	16.375	2.40	4.47
	2-0	21.062	18.375	2.69	5.04
	2-2	21.062	20.375	2.98	5.61
	2-4	21.062	22.375	3.27	6.18
	2-6	21.062	24.375	3.57	6.75
	2-8	21.062	26.375	3.86	7.32
	2-10	21.062	28.375	4.15	7.89
	3-0	21.062	30.375	4.44	8.45
	3-2	21.062	32.375	4.74	9.02
	3-4	21.062	34.375	5.03	9.59
	3-6	21.062	36.375	5.32	10.16
	3-8	21.062	38.375	5.61	10.73
	3-10	21.062	40.375	5.91	11.30
	4-0	21.062	42.375	6.20	11.87
	4-2	21.062	44.375	6.49	12.43
	4-4	21.062	46.375	6.78	13.00
	4-6	21.062	48.375	7.08	13.57
	4-8	21.062	50.375	7.37	14.14
	4-10	21.062	52.375	7.66	14.71
	5-0	21.062	54.375	7.95	15.28
	5-2	21.062	56.375	8.25	15.85
	5-4	21.062	58.375	8.54	16.41
	5-6	21.062	60.375	8.83	16.98
	5-8	21.062	62.375	9.12	17.55
	5-10	21.062	64.375	9.42	18.12
	6-0	21.062	66.375	9.71	18.69
4-4					
	1-0	22.062	6.375	0.98	1.71
	1-2	22.062	8.375	1.28	2.31

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	1-4	22.062	10.375	1.59	2.90
	1-6	22.062	12.375	1.90	3.50
	1-8	22.062	14.375	2.20	4.10
	1-10	22.062	16.375	2.51	4.69
	2-0	22.062	18.375	2.82	5.29
	2-2	22.062	20.375	3.12	5.88
	2-4	22.062	22.375	3.43	6.48
	2-6	22.062	24.375	3.73	7.08
	2-8	22.062	26.375	4.04	7.67
	2-10	22.062	28.375	4.35	8.27
	3-0	22.062	30.375	4.65	8.87
	3-2	22.062	32.375	4.96	9.46
	3-4	22.062	34.375	5.27	10.06
	3-6	22.062	36.375	5.57	10.66
	3-8	22.062	38.375	5.88	11.25
	3-10	22.062	40.375	6.19	11.85
	4-0	22.062	42.375	6.49	12.44
	4-2	22.062	44.375	6.80	13.04
	4-4	22.062	46.375	7.11	13.64
	4-6	22.062	48.375	7.41	14.23
	4-8	22.062	50.375	7.72	14.83
	4-10	22.062	52.375	8.02	15.43
	5-0	22.062	54.375	8.33	16.02
	5-2	22.062	56.375	8.64	16.62
	5-4	22.062	58.375	8.94	17.22
	5-6	22.062	60.375	9.25	17.81
	5-8	22.062	62.375	9.56	18.41
	5-10	22.062	64.375	9.86	19.00
	6-0	22.062	66.375	10.17	19.60
4-6					
	1-0	23.062	6.375	1.02	1.79
	1-2	23.062	8.375	1.34	2.41
	1-4	23.062	10.375	1.66	3.04
	1-6	23.062	12.375	1.98	3.66
	1-8	23.062	14.375	2.30	4.29
	1-10	23.062	16.375	2.62	4.91
	2-0	23.062	18.375	2.94	5.53
	2-2	23.062	20.375	3.26	6.16
	2-4	23.062	22.375	3.58	6.78
	2-6	23.062	24.375	3.90	7.41
	2-8	23.062	26.375	4.22	8.03

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Sliding Window – Triple Operating Units

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	2-10	23.062	28.375	4.54	8.66
	3-0	23.062	30.375	4.86	9.28
	3-2	23.062	32.375	5.18	9.90
	3-4	23.062	34.375	5.51	10.53
	3-6	23.062	36.375	5.83	11.15
	3-8	23.062	38.375	6.15	11.78
	3-10	23.062	40.375	6.47	12.40
	4-0	23.062	42.375	6.79	13.02
	4-2	23.062	44.375	7.11	13.65
	4-4	23.062	46.375	7.43	14.27
	4-6	23.062	48.375	7.75	14.90
	4-8	23.062	50.375	8.07	15.52
	4-10	23.062	52.375	8.39	16.14
	5-0	23.062	54.375	8.71	16.77
	5-2	23.062	56.375	9.03	17.39
	5-4	23.062	58.375	9.35	18.02
	5-6	23.062	60.375	9.67	18.64
	5-8	23.062	62.375	9.99	19.27
	5-10	23.062	64.375	10.31	19.89
	6-0	23.062	66.375	10.63	20.51
4-8					
	1-0	24.062	6.375	1.07	1.87
	1-2	24.062	8.375	1.40	2.52
	1-4	24.062	10.375	1.73	3.17
	1-6	24.062	12.375	2.07	3.83
	1-8	24.062	14.375	2.40	4.48
	1-10	24.062	16.375	2.74	5.13
	2-0	24.062	18.375	3.07	5.78
	2-2	24.062	20.375	3.40	6.43
	2-4	24.062	22.375	3.74	7.08
	2-6	24.062	24.375	4.07	7.74
	2-8	24.062	26.375	4.41	8.39
	2-10	24.062	28.375	4.74	9.04
	3-0	24.062	30.375	5.08	9.69
	3-2	24.062	32.375	5.41	10.34
	3-4	24.062	34.375	5.74	11.00
	3-6	24.062	36.375	6.08	11.65
	3-8	24.062	38.375	6.41	12.30
	3-10	24.062	40.375	6.75	12.95
	4-0	24.062	42.375	7.08	13.60
	4-2	24.062	44.375	7.41	14.26

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	4-4	24.062	46.375	7.75	14.91
	4-6	24.062	48.375	8.08	15.56
	4-8	24.062	50.375	8.42	16.21
	4-10	24.062	52.375	8.75	16.86
	5-0	24.062	54.375	9.09	17.52
	5-2	24.062	56.375	9.42	18.17
	5-4	24.062	58.375	9.75	18.82
	5-6	24.062	60.375	10.09	19.47
	5-8	24.062	62.375	10.42	20.12
	5-10	24.062	64.375	10.76	20.77
	6-0	24.062	66.375	11.09	21.43
4-10					
	1-0	25.062	6.375	1.11	1.95
	1-2	25.062	8.375	1.46	2.63
	1-4	25.062	10.375	1.81	3.31
	1-6	25.062	12.375	2.15	3.99
	1-8	25.062	14.375	2.50	4.67
	1-10	25.062	16.375	2.85	5.35
	2-0	25.062	18.375	3.20	6.03
	2-2	25.062	20.375	3.55	6.71
	2-4	25.062	22.375	3.89	7.39
	2-6	25.062	24.375	4.24	8.07
	2-8	25.062	26.375	4.59	8.75
	2-10	25.062	28.375	4.94	9.43
	3-0	25.062	30.375	5.29	10.10
	3-2	25.062	32.375	5.63	10.78
	3-4	25.062	34.375	5.98	11.46
	3-6	25.062	36.375	6.33	12.14
	3-8	25.062	38.375	6.68	12.82
	3-10	25.062	40.375	7.03	13.50
	4-0	25.062	42.375	7.38	14.18
	4-2	25.062	44.375	7.72	14.86
	4-4	25.062	46.375	8.07	15.54
	4-6	25.062	48.375	8.42	16.22
	4-8	25.062	50.375	8.77	16.90
	4-10	25.062	52.375	9.12	17.58
	5-0	25.062	54.375	9.46	18.26
	5-2	25.062	56.375	9.81	18.94
	5-4	25.062	58.375	10.16	19.62
	5-6	25.062	60.375	10.51	20.30
	5-8	25.062	62.375	10.86	20.98

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Sliding Window – Triple Operating Units

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	5-10	25.062	64.375	11.20	21.66
	6-0	25.062	66.375	11.55	22.34
5-0					
	1-0	26.062	6.375	1.15	2.03
	1-2	26.062	8.375	1.52	2.74
	1-4	26.062	10.375	1.88	3.44
	1-6	26.062	12.375	2.24	4.15
	1-8	26.062	14.375	2.60	4.86
	1-10	26.062	16.375	2.96	5.57
	2-0	26.062	18.375	3.33	6.27
	2-2	26.062	20.375	3.69	6.98
	2-4	26.062	22.375	4.05	7.69
	2-6	26.062	24.375	4.41	8.40
	2-8	26.062	26.375	4.77	9.10
	2-10	26.062	28.375	5.14	9.81
	3-0	26.062	30.375	5.50	10.52
	3-2	26.062	32.375	5.86	11.23
	3-4	26.062	34.375	6.22	11.93
	3-6	26.062	36.375	6.58	12.64
	3-8	26.062	38.375	6.95	13.35
	3-10	26.062	40.375	7.31	14.06
	4-0	26.062	42.375	7.67	14.76
	4-2	26.062	44.375	8.03	15.47
	4-4	26.062	46.375	8.39	16.18
	4-6	26.062	48.375	8.76	16.88
	4-8	26.062	50.375	9.12	17.59
	4-10	26.062	52.375	9.48	18.30
	5-0	26.062	54.375	9.84	19.01
	5-2	26.062	56.375	10.20	19.71
	5-4	26.062	58.375	10.57	20.42
	5-6	26.062	60.375	10.93	21.13
	5-8	26.062	62.375	11.29	21.84
	5-10	26.062	64.375	11.65	22.54
	6-0	26.062	66.375	12.01	23.25
5-2					
	1-0	27.062	6.375	1.20	2.11
	1-2	27.062	8.375	1.57	2.84
	1-4	27.062	10.375	1.95	3.58
	1-6	27.062	12.375	2.33	4.31
	1-8	27.062	14.375	2.70	5.05
	1-10	27.062	16.375	3.08	5.78

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	2-0	27.062	18.375	3.45	6.52
	2-2	27.062	20.375	3.83	7.25
	2-4	27.062	22.375	4.20	7.99
	2-6	27.062	24.375	4.58	8.72
	2-8	27.062	26.375	4.96	9.46
	2-10	27.062	28.375	5.33	10.20
	3-0	27.062	30.375	5.71	10.93
	3-2	27.062	32.375	6.08	11.67
	3-4	27.062	34.375	6.46	12.40
	3-6	27.062	36.375	6.84	13.14
	3-8	27.062	38.375	7.21	13.87
	3-10	27.062	40.375	7.59	14.61
	4-0	27.062	42.375	7.96	15.34
	4-2	27.062	44.375	8.34	16.08
	4-4	27.062	46.375	8.72	16.81
	4-6	27.062	48.375	9.09	17.55
	4-8	27.062	50.375	9.47	18.28
	4-10	27.062	52.375	9.84	19.02
	5-0	27.062	54.375	10.22	19.75
	5-2	27.062	56.375	10.59	20.49
	5-4	27.062	58.375	10.97	21.22
	5-6	27.062	60.375	11.35	21.96
	5-8	27.062	62.375	11.72	22.69
	5-10	27.062	64.375	12.10	23.43
	6-0	27.062	66.375	12.47	24.16
5-4					
	1-0	28.062	6.375	1.24	2.19
	1-2	28.062	8.375	1.63	2.95
	1-4	28.062	10.375	2.02	3.71
	1-6	28.062	12.375	2.41	4.48
	1-8	28.062	14.375	2.80	5.24
	1-10	28.062	16.375	3.19	6.00
	2-0	28.062	18.375	3.58	6.77
	2-2	28.062	20.375	3.97	7.53
	2-4	28.062	22.375	4.36	8.29
	2-6	28.062	24.375	4.75	9.05
	2-8	28.062	26.375	5.14	9.82
	2-10	28.062	28.375	5.53	10.58
	3-0	28.062	30.375	5.92	11.34
	3-2	28.062	32.375	6.31	12.11
	3-4	28.062	34.375	6.70	12.87

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Sliding Window – Triple Operating Units

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	3-6	28.062	36.375	7.09	13.63
	3-8	28.062	38.375	7.48	14.40
	3-10	28.062	40.375	7.87	15.16
	4-0	28.062	42.375	8.26	15.92
	4-2	28.062	44.375	8.65	16.68
	4-4	28.062	46.375	9.04	17.45
	4-6	28.062	48.375	9.43	18.21
	4-8	28.062	50.375	9.82	18.97
	4-10	28.062	52.375	10.21	19.74
	5-0	28.062	54.375	10.60	20.50
	5-2	28.062	56.375	10.99	21.26
	5-4	28.062	58.375	11.38	22.03
	5-6	28.062	60.375	11.77	22.79
	5-8	28.062	62.375	12.16	23.55
	5-10	28.062	64.375	12.55	24.31
	6-0	28.062	66.375	12.93	25.08
5-6					
	1-0	29.062	6.375	1.29	2.27
	1-2	29.062	8.375	1.69	3.06
	1-4	29.062	10.375	2.09	3.85
	1-6	29.062	12.375	2.50	4.64
	1-8	29.062	14.375	2.90	5.43
	1-10	29.062	16.375	3.30	6.22
	2-0	29.062	18.375	3.71	7.01
	2-2	29.062	20.375	4.11	7.80
	2-4	29.062	22.375	4.52	8.59
	2-6	29.062	24.375	4.92	9.38
	2-8	29.062	26.375	5.32	10.17
	2-10	29.062	28.375	5.73	10.97
	3-0	29.062	30.375	6.13	11.76
	3-2	29.062	32.375	6.53	12.55
	3-4	29.062	34.375	6.94	13.34
	3-6	29.062	36.375	7.34	14.13
	3-8	29.062	38.375	7.74	14.92
	3-10	29.062	40.375	8.15	15.71
	4-0	29.062	42.375	8.55	16.50
	4-2	29.062	44.375	8.96	17.29
	4-4	29.062	46.375	9.36	18.08
	4-6	29.062	48.375	9.76	18.87
	4-8	29.062	50.375	10.17	19.66

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	4-10	29.062	52.375	10.57	20.45
	5-0	29.062	54.375	10.97	21.25
	5-2	29.062	56.375	11.38	22.04
	5-4	29.062	58.375	11.78	22.83
	5-6	29.062	60.375	12.18	23.62
	5-8	29.062	62.375	12.59	24.41
	5-10	29.062	64.375	12.99	25.20
	6-0	29.062	66.375	13.40	25.99
5-8					
	1-0	30.062	6.375	1.33	2.35
	1-2	30.062	8.375	1.75	3.16
	1-4	30.062	10.375	2.17	3.98
	1-6	30.062	12.375	2.58	4.80
	1-8	30.062	14.375	3.00	5.62
	1-10	30.062	16.375	3.42	6.44
	2-0	30.062	18.375	3.84	7.26
	2-2	30.062	20.375	4.25	8.08
	2-4	30.062	22.375	4.67	8.89
	2-6	30.062	24.375	5.09	9.71
	2-8	30.062	26.375	5.51	10.53
	2-10	30.062	28.375	5.92	11.35
	3-0	30.062	30.375	6.34	12.17
	3-2	30.062	32.375	6.76	12.99
	3-4	30.062	34.375	7.18	13.81
	3-6	30.062	36.375	7.59	14.62
	3-8	30.062	38.375	8.01	15.44
	3-10	30.062	40.375	8.43	16.26
	4-0	30.062	42.375	8.85	17.08
	4-2	30.062	44.375	9.26	17.90
	4-4	30.062	46.375	9.68	18.72
	4-6	30.062	48.375	10.10	19.54
	4-8	30.062	50.375	10.52	20.35
	4-10	30.062	52.375	10.93	21.17
	5-0	30.062	54.375	11.35	21.99
	5-2	30.062	56.375	11.77	22.81
	5-4	30.062	58.375	12.19	23.63
	5-6	30.062	60.375	12.60	24.45
	5-8	30.062	62.375	13.02	25.27
	5-10	30.062	64.375	13.44	26.08
	6-0	30.062	66.375	13.86	26.90

NOTE:

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

Sliding Window – Triple Operating Units

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
5-10					
	1-0	31.062	6.375	1.38	2.43
	1-2	31.062	8.375	1.81	3.27
	1-4	31.062	10.375	2.24	4.12
	1-6	31.062	12.375	2.67	4.96
	1-8	31.062	14.375	3.10	5.81
	1-10	31.062	16.375	3.53	6.66
	2-0	31.062	18.375	3.96	7.50
	2-2	31.062	20.375	4.40	8.35
	2-4	31.062	22.375	4.83	9.20
	2-6	31.062	24.375	5.26	10.04
	2-8	31.062	26.375	5.69	10.89
	2-10	31.062	28.375	6.12	11.74
	3-0	31.062	30.375	6.55	12.58
	3-2	31.062	32.375	6.98	13.43
	3-4	31.062	34.375	7.41	14.27
	3-6	31.062	36.375	7.85	15.12
	3-8	31.062	38.375	8.28	15.97
	3-10	31.062	40.375	8.71	16.81
	4-0	31.062	42.375	9.14	17.66
	4-2	31.062	44.375	9.57	18.51
	4-4	31.062	46.375	10.00	19.35
	4-6	31.062	48.375	10.43	20.20
	4-8	31.062	50.375	10.87	21.04
	4-10	31.062	52.375	11.30	21.89
	5-0	31.062	54.375	11.73	22.74
	5-2	31.062	56.375	12.16	23.58
	5-4	31.062	58.375	12.59	24.43
	5-6	31.062	60.375	13.02	25.28
	5-8	31.062	62.375	13.45	26.12
	5-10	31.062	64.375	13.89	26.97
	6-0	31.062	66.375	14.32	27.82
6-0					
	1-0	32.062	6.375	1.42	2.50
	1-2	32.062	8.375	1.86	3.38
	1-4	32.062	10.375	2.31	4.25
	1-6	32.062	12.375	2.76	5.13
	1-8	32.062	14.375	3.20	6.00
	1-10	32.062	16.375	3.65	6.88
	2-0	32.062	18.375	4.09	7.75

Call Width	Call Height	COW	COH	COA (sqft)	Daylight (sqft)
	2-2	32.062	20.375	4.54	8.62
	2-4	32.062	22.375	4.98	9.50
	2-6	32.062	24.375	5.43	10.37
	2-8	32.062	26.375	5.87	11.25
	2-10	32.062	28.375	6.32	12.12
	3-0	32.062	30.375	6.76	12.99
	3-2	32.062	32.375	7.21	13.87
	3-4	32.062	34.375	7.65	14.74
	3-6	32.062	36.375	8.10	15.62
	3-8	32.062	38.375	8.54	16.49
	3-10	32.062	40.375	8.99	17.36
	4-0	32.062	42.375	9.43	18.24
	4-2	32.062	44.375	9.88	19.11
	4-4	32.062	46.375	10.33	19.99
	4-6	32.062	48.375	10.77	20.86
	4-8	32.062	50.375	11.22	21.74
	4-10	32.062	52.375	11.66	22.61
	5-0	32.062	54.375	12.11	23.48
	5-2	32.062	56.375	12.55	24.36
	5-4	32.062	58.375	13.00	25.23
	5-6	32.062	60.375	13.44	26.11
	5-8	32.062	62.375	13.89	26.98
	5-10	32.062	64.375	14.33	27.85
	6-0	32.062	66.375	14.78	28.73

NOTE:

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



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