

SIZE GUIDE



AWNING OPENING SPECIFICATIONS

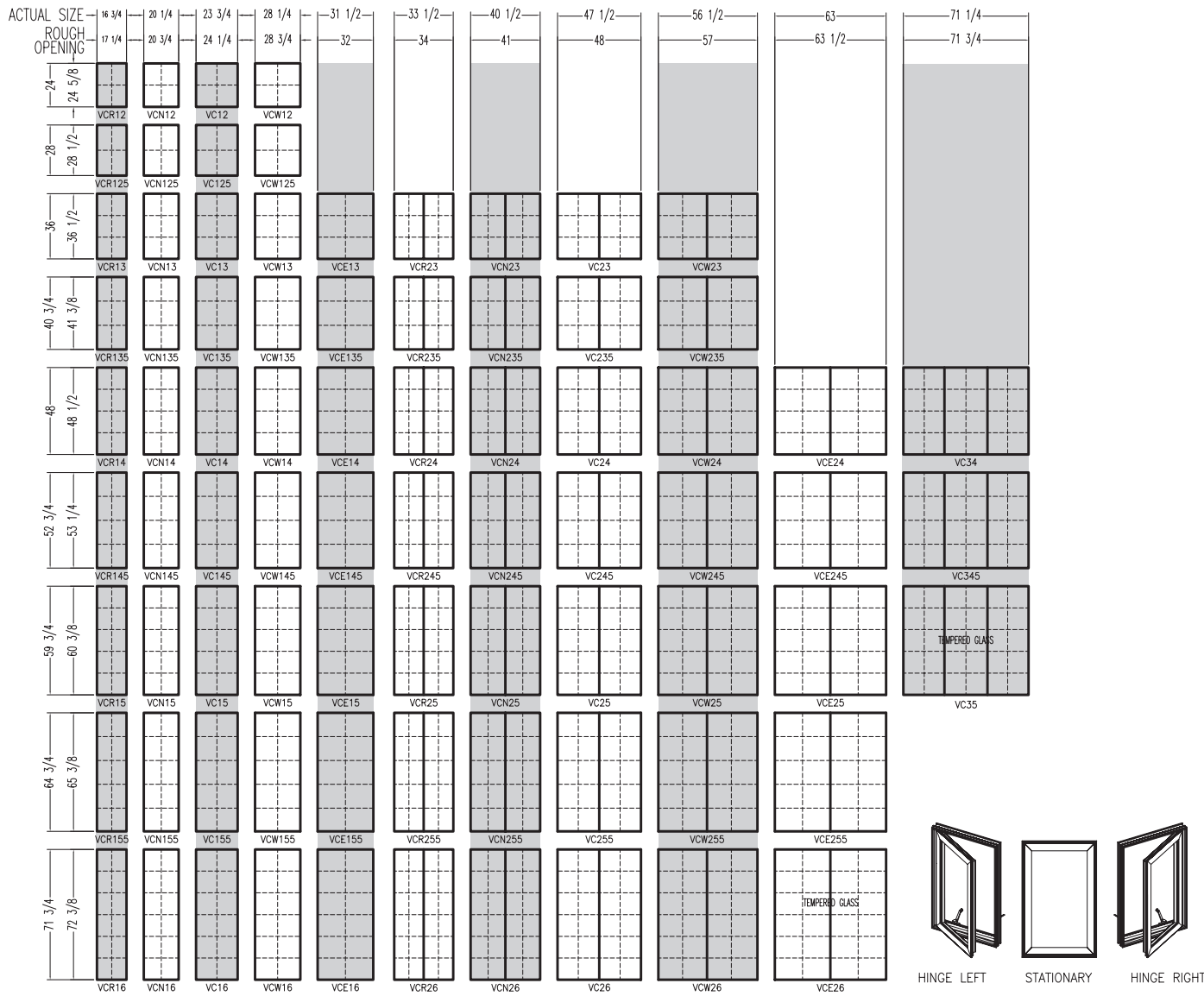
ACTUAL SIZE OPENING	24	28	36	40 3/4	48	52 3/4	59 3/4
	24 1/2	28 1/2	36 1/2	41 1/4	48 1/2	53 1/4	60 1/4
17 1/2	VAR21	VAR251	VAR31	VAR351	VAR41	VAR451	VAR51
20 1/2	VAN21	VAN251	VAN31	VAN351	VAN41	VAN451	VAN51
24	VA21	VA251	VA31	VA351	VA41	VA451	VA51
28 1/4	VAW21	VAW251	VAW31	VAW351	VAW41	VAW451	VAW51
35 3/4			VAXW331	VAXW351	VAXW41	VAXW451	VAXW51
40 3/4			VA335	VA3535			
48 1/8			VA32		VA42		
72 1/8			VAP321	VAP3521	VAP421		

CIRCLE TOP WINDOW SIZES

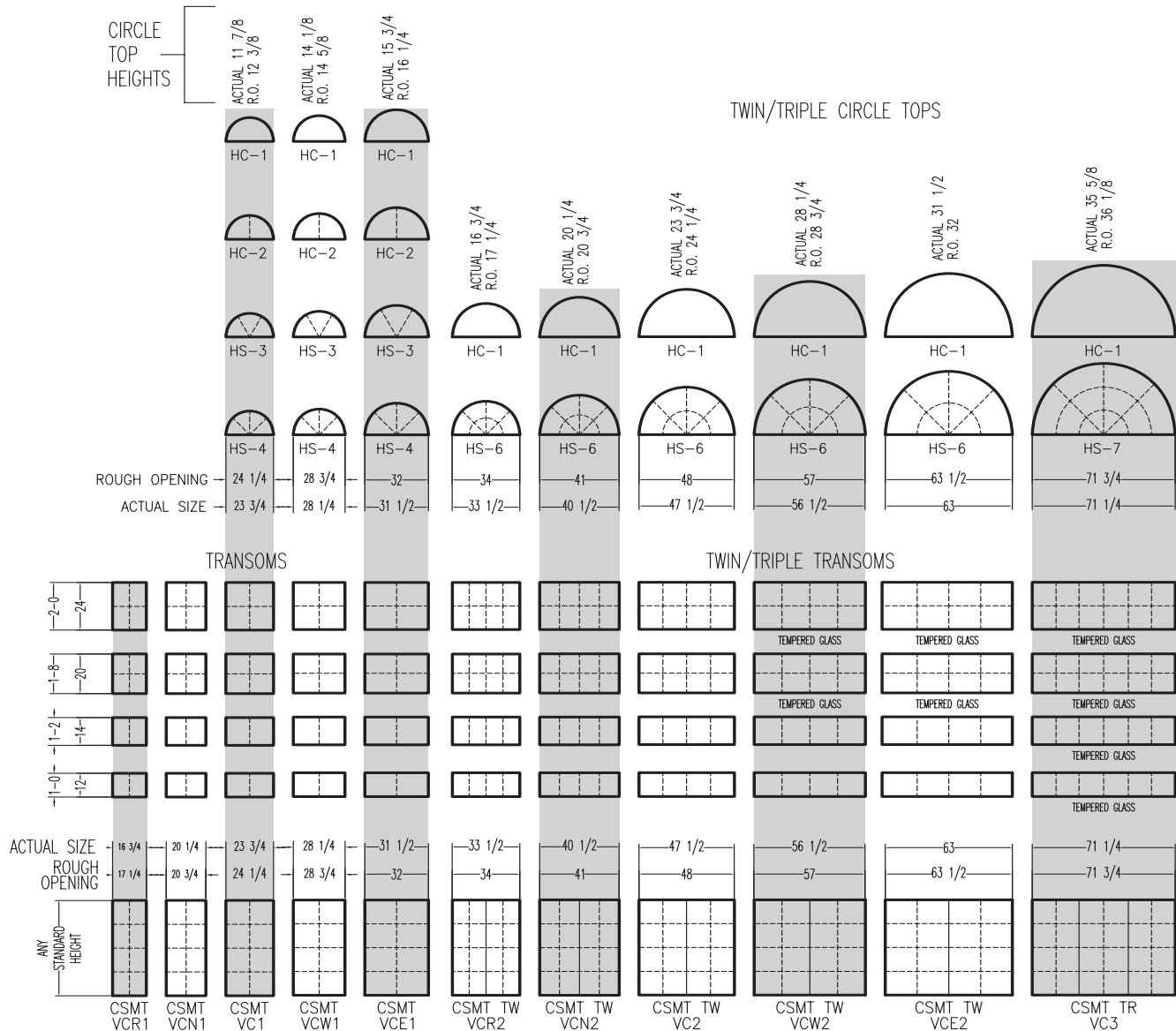
ACTUAL 12 R.O. 12 1/2	ACTUAL 14 R.O. 14 1/2	ACTUAL 18 R.O. 18 1/2	ACTUAL 20 3/8 R.O. 20 7/8	ACTUAL 24 R.O. 24 1/2	ACTUAL 26 3/8 R.O. 26 7/8	ACTUAL 29 7/8 R.O. 30 3/8
HC-1	HC-1	HC-1	HC-1	HC-1	HC-1	HC-1
HC-2	HC-2	HC-1	HC-1	HC-1	HC-1	HC-1
HS-3	HS-3	HC-3	HC-1	HS-6	HS-6	HS-8
HS-4	HS-4	HS-5	HS-6	HS-6	HS-6	HS-8

9600/9700 VINYL AWNINGS AND CASEMENTS SIZES

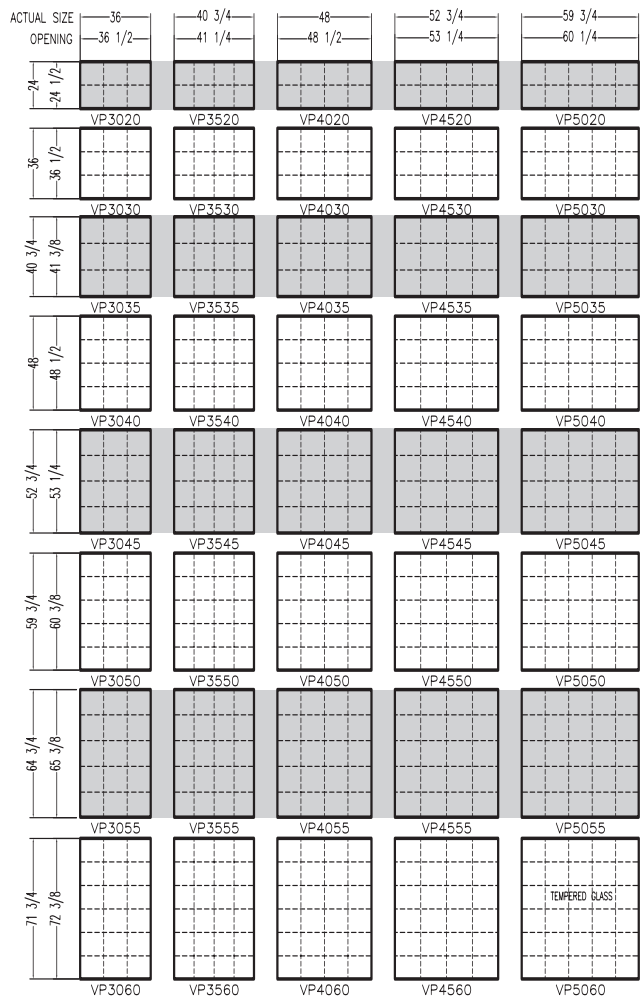
CASEMENT OPENING SPECIFICATIONS



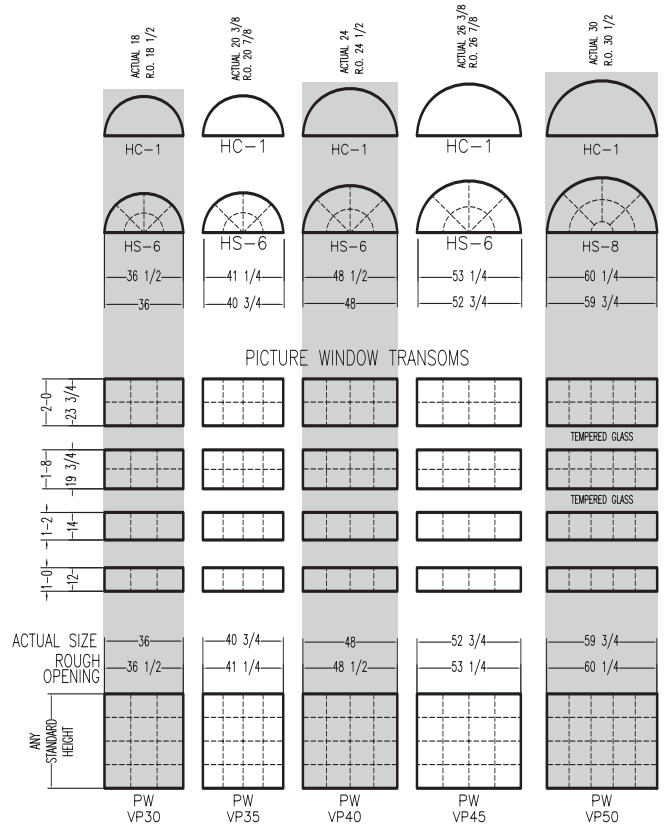
CIRCLE TOP WINDOW SIZES



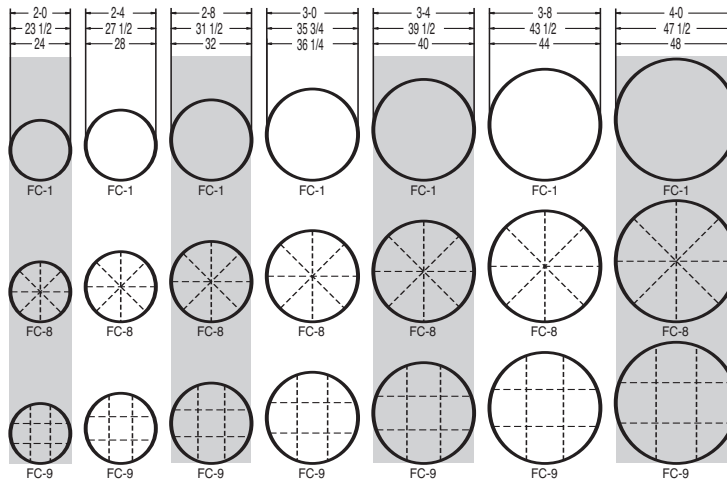
PICTURE WINDOW SIZES



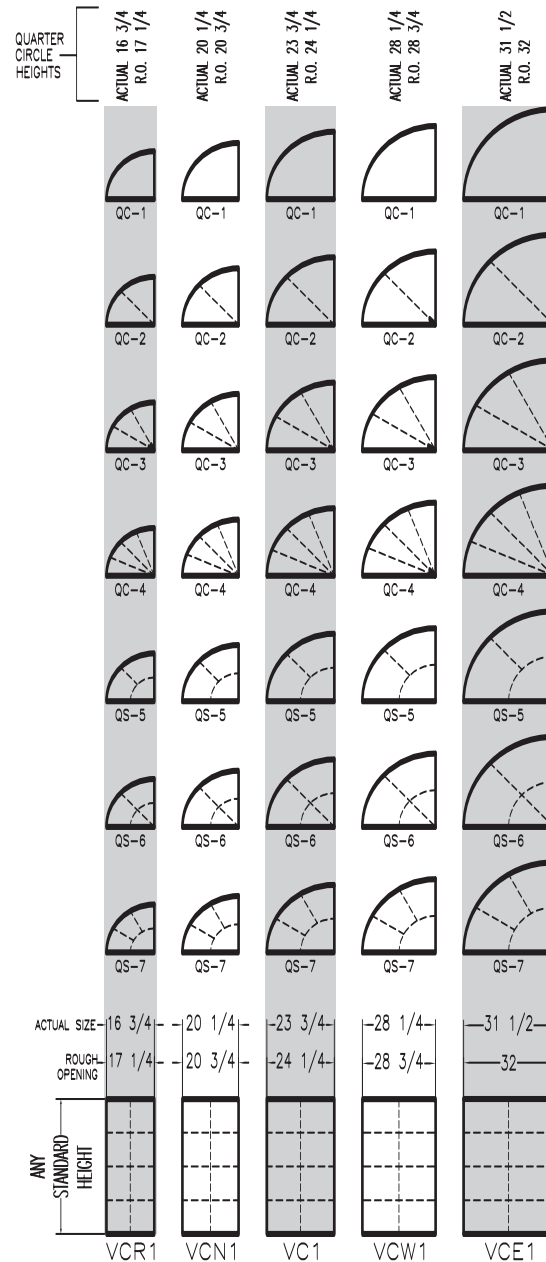
PICTURE WINDOW CIRCLE TOP WINDOW SIZES



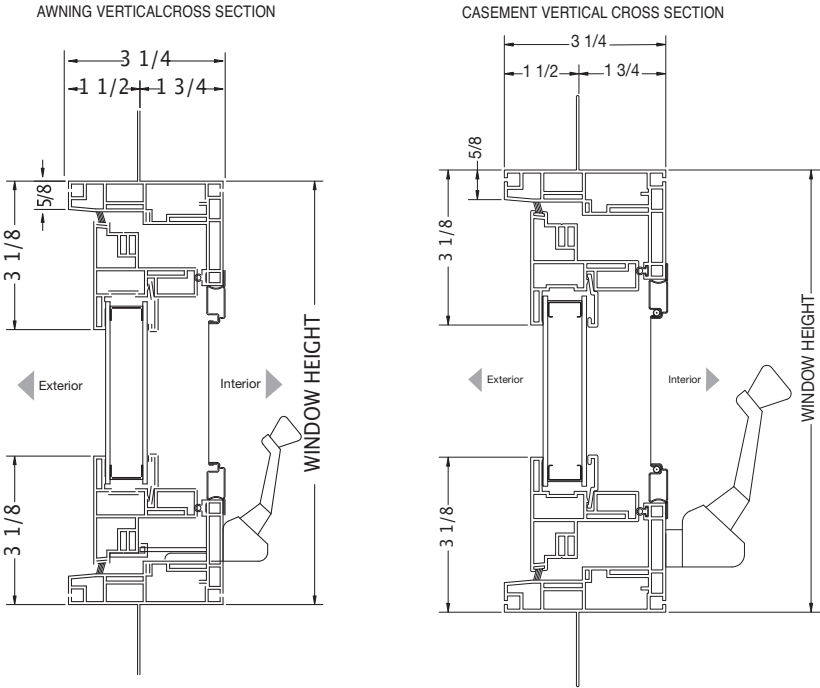
FULL CIRCLE WINDOW SIZES



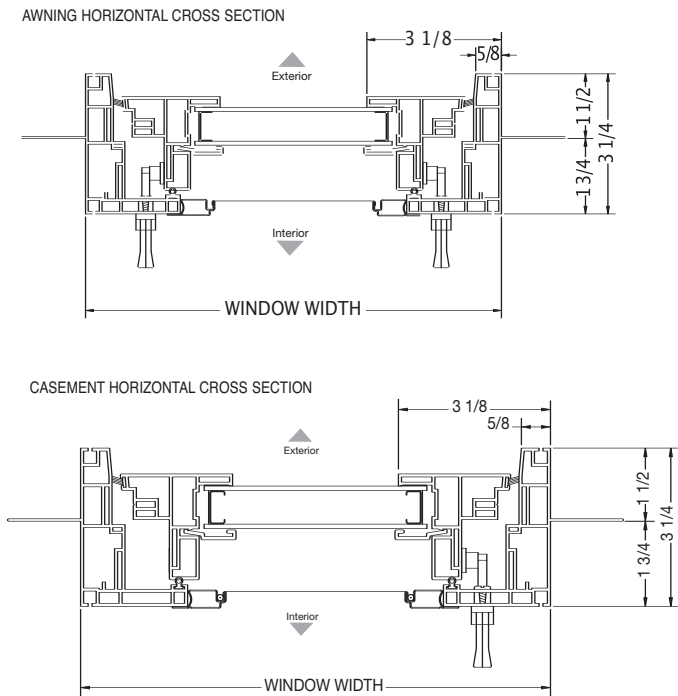
QUARTER CIRCLE WINDOW SIZES



AWNING AND CASEMENT VERTICAL DETAILS



AWNING AND CASEMENT HORIZONTAL DETAILS

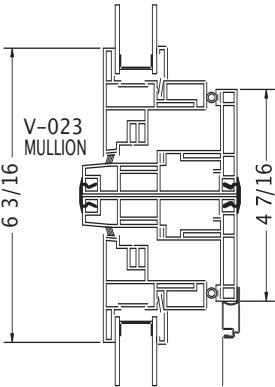


MULLION AVAILABLE

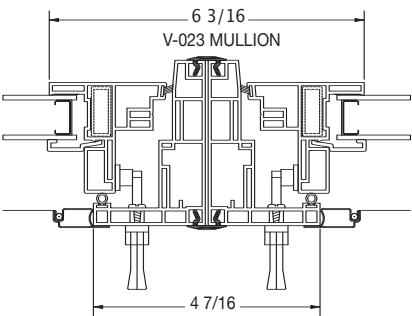
V-023 C-Mullion



No Add-On



STACK MULL



MULLED DETAIL

A variety of Snap-In Accessories Including Mullions, “J” Channel and Drywall Adapters are Available - Contact your Local Distributor for Details

AWNING OPENING SPECIFICATIONS

CODE SIZE	WINDOW I.D. SIZE	VISIBLE LIGHT Sq. Ft.	GLASS SIZE Width x Height	AWNING SCREEN SIZE Width x Height
VAR21	24 x 17	1.33	18 3/4 x 11 13/16	19 1/2 x 12 1/2
VAN21	24 x 20 1/2	1.76	18 3/4 x 15 5/16	19 1/2 x 16
VA21	24 x 24	2.20	18 3/4 x 18 13/16	19 1/2 x 19 1/2
VAW21	24 x 28 1/4	2.72	18 3/4 x 23 1/16	19 1/2 x 23 3/4
VAR251	28 x 17	1.63	22 3/4 x 11 13/16	23 1/2 x 12 1/2
VAN251	28 x 20 1/2	2.16	22 3/4 x 15 5/16	23 1/2 x 16
VA251	28 x 24	2.69	22 3/4 x 18 13/16	23 1/2 x 19 1/2
VAW251	28 x 28 1/4	3.33	22 3/4 x 23 1/16	23 1/2 x 23 3/4
VAR31	36 x 17	2.23	30 3/4 x 11 13/16	31 1/2 x 12 1/2
VAN31	36 x 20 1/2	2.96	30 3/4 x 15 5/16	31 1/2 x 16
VA31	36 x 24	3.68	30 3/4 x 18 13/16	31 1/2 x 19 1/2
VAW31	36 x 28 1/4	4.56	30 3/4 x 23 1/16	31 1/2 x 23 3/4
VAXW331	36 x 35 3/4	6.11	30 3/4 x 30 9/16	31 1/2 x 31 1/4
VA335	36 x 40 3/4	7.14	30 3/4 x 35 9/16	31 1/2 x 36 1/4
VA32	36 x 48 1/8 (overall) *Fixed = 36 x 24 *Awning = 36 x 24	7.36	N/A 30 3/4 x 18 13/16 30 3/4 x 18 13/16	N/A N/A 31 1/2 x 19 1/2
VAP321	36 x 72 1/8 (overall) *Fixed = 36 x 48 *Awning = 36 x 24	12.32	N/A 30 3/4 x 42 13/16 30 3/4 x 18 13/16	N/A N/A 31 1/2 x 19 1/2
VAR351	40 3/4 x 17	2.59	35 1/2 x 11 13/16	36 1/4 x 12 1/2
VAN351	40 3/4 x 20 1/2	3.43	35 1/2 x 15 5/16	36 1/4 x 16
VA351	40 3/4 x 24	4.27	35 1/2 x 18 13/16	36 1/4 x 19 1/2
VAW351	40 3/4 x 28 1/4	5.29	35 1/2 x 23 1/16	36 1/4 x 23 3/4
VAXW351	40 3/4 x 35 3/4	7.08	35 1/2 x 30 9/16	36 1/4 x 31 1/4
VA3535	40 3/4 x 40 3/4	8.28	35 1/2 x 35 9/16	36 1/4 x 36 1/4
VAP3521	40 3/4 x 72 1/8 (overall) *Fixed = 40 3/4 x 48 *Awning = 40 3/4 x 24	14.29	N/A 35 1/2 x 42 13/16 35 1/2 x 18 13/16	N/A N/A 36 1/4 x 19 1/2
VAR41	48 x 17	3.13	42 3/4 x 11 13/16	43 1/2 x 12 1/2
VAN41	48 x 20 1/2	4.15	42 3/4 x 15 5/16	43 1/2 x 16
VA41	48 x 24	5.16	42 3/4 x 18 13/16	43 1/2 x 19 1/2
VAW41	48 x 28 1/4	6.40	42 3/4 x 23 1/16	43 1/2 x 23 3/4
VAXW41	48 x 35 3/4	8.57	42 3/4 x 30 9/16	43 1/2 x 31 1/4
VA42	48 x 48 1/8 (overall) *Fixed = 48 x 24 *Awning = 48 x 24	10.33	N/A 42 3/4 x 18 13/16 42 3/4 x 18 13/16	N/A N/A 43 1/2 x 19 1/2
VAP421	48 x 72 1/8 (overall) *Fixed = 48 x 48 *Awning = 48 x 24	17.29	N/A 42 3/4 x 42 13/16 42 3/4 x 18 13/16	N/A N/A 43 1/2 x 19 1/2
VAR451	52 3/4 x 17	3.49	47 1/2 x 11 13/16	48 1/4 x 12 1/2
VAN451	52 3/4 x 20 1/2	4.62	47 1/2 x 15 5/16	48 1/4 x 16
VA451	52 3/4 x 24	5.75	47 1/2 x 18 13/16	48 1/4 x 19 1/2
VAW451	52 3/4 x 28 1/4	7.12	47 1/2 x 23 1/16	48 1/4 x 23 3/4
VAXW451	52 3/4 x 35 3/4	9.55	47 1/2 x 30 9/16	48 1/4 x 31 1/4
VAR51	59 3/4 x 17	4.02	54 1/2 x 11 13/16	55 1/4 x 12 1/2
VAN51	59 3/4 x 20 1/2	5.32	54 1/2 x 15 5/16	55 1/4 x 16
VA51	59 3/4 x 24	6.62	54 1/2 x 18 13/16	55 1/4 x 19 1/2
VAW51	59 3/4 x 28 1/4	8.20	54 1/2 x 23 1/16	55 1/4 x 23 3/4
VAXW51	59 3/4 x 35 3/4	10.98	54 1/2 x 30 9/16	55 1/4 x 31 1/4



QUALITY CONTROL & TESTING
AAMA CERTIFICATION PROGRAM
 ACCREDITED BY: AMERICAN NATIONAL STANDARDS INSTITUTE
 Validator ALI ©

CODE: BB-1

AAMA Certification insures labeled products comply with industry specifications related to windload, air infiltration and water resistance requirements.



NFRC rated products provide you with an industry standard energy efficiency testing and ratings comparison. Meet your demands for energy performance at a glance.

CASEMENT OPENING SPECIFICATIONS

Code Size	Window ID		STD Hinge Clear Opening			Egress Hinge Clear Opening			Visible Light Sq. Ft.	Screen "Box" Finish Size		Glass Size	
	Width	Height	Width	Height	Sq. Ft.	Width	Height	Sq. Ft.		Width	Height	Width	Height
VCR12	16 3/4	x 24	7 1/2	x 19 9/16	1.02	10	x 19 9/16	1.36	1.28	12 1/4	x 19 1/2	11 1/2	x 18 7/8
VCR125	16 3/4	x 28	7 1/2	x 23 9/16	1.23	10	x 23 9/16	1.64	1.57	12 1/4	x 23 1/2	11 1/2	x 22 7/8
VCR13	16 3/4	x 36	7 1/2	x 31 9/16	1.64	10	x 31 9/16	2.19	2.14	12 1/4	x 31 1/2	11 1/2	x 30 7/8
VCR135	16 3/4	x 40 3/4	7 1/2	x 36 5/16	1.89	10	x 36 5/16	2.52	2.49	12 1/4	x 36 1/4	11 1/2	x 35 5/8
VCR14	16 3/4	x 48	7 1/2	x 43 9/16	2.27	10	x 43 9/16	3.03	3.01	12 1/4	x 43 1/2	11 1/2	x 42 7/8
VCR145	16 3/4	x 52 3/4	7 1/2	x 48 5/16	2.52	10	x 48 5/16	3.36	3.35	12 1/4	x 48 1/4	11 1/2	x 47 5/8
VCR15	16 3/4	x 59 3/4	7 1/2	x 55 5/16	2.88	10	x 55 5/16	3.84	3.85	12 1/4	x 55 1/4	11 1/2	x 54 5/8
VCR155	16 3/4	x 64 3/4	7 1/2	x 60 5/16	3.14	10	x 60 5/16	4.19	4.21	12 1/4	x 60 1/4	11 1/2	x 59 5/8
VCR16	16 3/4	x 71 3/4	7 1/2	x 67 5/16	3.51	10	x 67 5/16	4.67	4.72	12 1/4	x 67 1/4	11 1/2	x 66 5/8
VCN12	20 1/4	x 24	11	x 19 9/16	1.49	13 1/2	x 19 9/16	1.83	1.71	15 3/4	x 19 1/2	15	x 18 7/8
VCN125	20 1/4	x 28	11	x 23 9/16	1.80	13 1/2	x 23 9/16	2.21	2.10	15 3/4	x 23 1/2	15	x 22 7/8
VCN13	20 1/4	x 36	11	x 31 9/16	2.41	13 1/2	x 31 9/16	2.96	2.87	15 3/4	x 31 1/2	15	x 30 7/8
VCN135	20 1/4	x 40 3/4	11	x 36 5/16	2.77	13 1/2	x 36 5/16	3.40	3.32	15 3/4	x 36 1/4	15	x 35 5/8
VCN14	20 1/4	x 48	11	x 43 9/16	3.33	13 1/2	x 43 9/16	4.08	4.02	15 3/4	x 43 1/2	15	x 42 7/8
VCN145	20 1/4	x 52 3/4	11	x 48 5/16	3.69	13 1/2	x 48 5/16	4.53	4.48	15 3/4	x 48 1/4	15	x 47 5/8
VCN15	20 1/4	x 59 3/4	11	x 55 5/16	4.23	13 1/2	x 55 5/16	5.19	5.15	15 3/4	x 55 1/4	15	x 54 5/8
VCN155	20 1/4	x 64 3/4	11	x 60 5/16	4.61	13 1/2	x 60 5/16	5.65	5.64	15 3/4	x 60 1/4	15	x 59 5/8
VCN16	20 1/4	x 71 3/4	11	x 67 5/16	5.14	13 1/2	x 67 5/16	6.31	6.31	15 3/4	x 67 1/4	15	x 66 5/8
VC12	23 3/4	x 24	14 1/2	x 19 9/16	1.97	17	x 19 9/16	2.31	2.14	19 1/4	x 19 1/2	18 1/2	x 18 7/8
VC125	23 3/4	x 28	14 1/2	x 23 9/16	2.37	17	x 23 9/16	2.78	2.62	19 1/4	x 23 1/2	18 1/2	x 22 7/8
VC13	23 3/4	x 36	14 1/2	x 31 9/16	3.18	17	x 31 9/16	3.73	3.59	19 1/4	x 31 1/2	18 1/2	x 30 7/8
VC135	23 3/4	x 40 3/4	14 1/2	x 36 5/16	3.66	17	x 36 5/16	4.29	4.16	19 1/4	x 36 1/4	18 1/2	x 35 5/8
VC14	23 3/4	x 48	14 1/2	x 43 9/16	4.39	17	x 43 9/16	5.14	5.04	19 1/4	x 43 1/2	18 1/2	x 42 7/8
VC145	23 3/4	x 52 3/4	14 1/2	x 48 5/16	4.86	17	x 48 5/16	5.70	5.61	19 1/4	x 48 1/4	18 1/2	x 47 5/8
VC15	23 3/4	x 59 3/4	14 1/2	x 55 5/16	5.57	17	x 55 5/16	6.53	6.46	19 1/4	x 55 1/4	18 1/2	x 54 5/8
VC155	23 3/4	x 64 3/4	14 1/2	x 60 5/16	6.07	17	x 60 5/16	7.12	7.06	19 1/4	x 60 1/4	18 1/2	x 59 5/8
VC16	23 3/4	x 71 3/4	14 1/2	x 67 5/16	6.78	17	x 67 5/16	7.95	7.90	19 1/4	x 67 1/4	18 1/2	x 66 5/8
VCW12	28 1/4	x 24	19	x 19 9/16	2.58	21 1/2	x 19 9/16	2.92	2.70	23 3/4	x 19 1/2	23	x 18 7/8
VCW125	28 1/4	x 28	19	x 23 9/16	3.11	21 1/2	x 23 9/16	3.52	3.30	23 3/4	x 23 1/2	23	x 22 7/8
VCW13	28 1/4	x 36	19	x 31 9/16	4.16	21 1/2	x 31 9/16	4.71	4.52	23 3/4	x 31 1/2	23	x 30 7/8
VCW135	28 1/4	x 40 3/4	19	x 36 5/16	4.79	21 1/2	x 36 5/16	5.42	5.24	23 3/4	x 36 1/4	23	x 35 5/8
VCW14	28 1/4	x 48	19	x 43 9/16	5.75	21 1/2	x 43 9/16	6.50	6.34	23 3/4	x 43 1/2	23	x 42 7/8
VCW145	28 1/4	x 52 3/4	19	x 48 5/16	6.37	21 1/2	x 48 5/16	7.21	7.06	23 3/4	x 48 1/4	23	x 47 5/8
VCW15	28 1/4	x 59 3/4	19	x 55 5/16	7.30	21 1/2	x 55 5/16	8.26	8.13	23 3/4	x 55 1/4	23	x 54 5/8
VCW155	28 1/4	x 64 3/4	19	x 60 5/16	7.96	21 1/2	x 60 5/16	9.00	8.89	23 3/4	x 60 1/4	23	x 59 5/8
VCW16	28 1/4	x 71 3/4	19	x 67 5/16	8.88	21 1/2	x 67 5/16	10.05	9.95	23 3/4	x 67 1/4	23	x 66 5/8
VCE13	31 1/2	x 36	22 1/4	x 31 9/16	4.88	24 3/4	x 31 9/16	5.42	5.19	27	x 31 1/2	26 1/4	x 30 7/8
VCE135	31 1/2	x 40 3/4	22 1/4	x 36 5/16	5.61	24 3/4	x 36 5/16	6.24	6.02	27	x 36 1/4	26 1/4	x 35 5/8
VCE14	31 1/2	x 48	22 1/4	x 43 9/16	6.73	24 3/4	x 43 9/16	7.49	7.28	27	x 43 1/2	26 1/4	x 42 7/8
VCE145	31 1/2	x 52 3/4	22 1/4	x 48 5/16	7.46	24 3/4	x 48 5/16	8.30	8.11	27	x 48 1/4	26 1/4	x 47 5/8
VCE15	31 1/2	x 59 3/4	22 1/4	x 55 5/16	8.55	24 3/4	x 55 5/16	9.51	9.33	27	x 55 1/4	26 1/4	x 54 5/8
VCE155	31 1/2	x 64 3/4	22 1/4	x 60 5/16	9.32	24 3/4	x 60 5/16	10.37	10.21	27	x 60 1/4	26 1/4	x 59 5/8
VCE16	31 1/2	x 71 3/4	22 1/4	x 67 5/16	10.40	24 3/4	x 67 5/16	11.57	11.43	27	x 67 1/4	26 1/4	x 66 5/8
VCR23 Twin	33 1/2	x 36	7 1/2	x 31 9/16	1.64	10	x 31 9/16	2.19	4.29	12 1/4	x 31 1/2	11 1/2	x 30 7/8
VCR235 Twin	33 1/2	x 40 3/4	7 1/2	x 36 5/16	1.89	10	x 36 5/16	2.52	4.97	12 1/4	x 36 1/4	11 1/2	x 35 5/8
VCR24 Twin	33 1/2	x 48	7 1/2	x 43 9/16	2.27	10	x 43 9/16	3.03	6.02	12 1/4	x 43 1/2	11 1/2	x 42 7/8
VCR245 Twin	33 1/2	x 52 3/4	7 1/2	x 48 5/16	2.52	10	x 48 5/16	3.36	6.70	12 1/4	x 48 1/4	11 1/2	x 47 5/8
VCR25 Twin	33 1/2	x 59 3/4	7 1/2	x 55 5/16	2.88	10	x 55 5/16	3.84	7.71	12 1/4	x 55 1/4	11 1/2	x 54 5/8
VCR255 Twin	33 1/2	x 64 3/4	7 1/2	x 60 5/16	3.14	10	x 60 5/16	4.19	8.43	12 1/4	x 60 1/4	11 1/2	x 59 5/8
VCR26 Twin	33 1/2	x 71 3/4	7 1/2	x 67 5/16	3.51	10	x 67 5/16	4.67	9.44	12 1/4	x 67 1/4	11 1/2	x 66 5/8
VCN23 Twin	40 1/2	x 36	11	x 31 9/16	2.41	13 1/2	x 31 9/16	2.96	5.73	15 3/4	x 31 1/2	15	x 30 7/8
VCN235 Twin	40 1/2	x 40 3/4	11	x 36 5/16	2.77	13 1/2	x 36 5/16	3.40	6.65	15 3/4	x 36 1/4	15	x 35 5/8
VCN24 Twin	40 1/2	x 48	11	x 43 9/16	3.33	13 1/2	x 43 9/16	4.08	8.05	15 3/4	x 43 1/2	15	x 42 7/8
VCN245 Twin	40 1/2	x 52 3/4	11	x 48 5/16	3.69	13 1/2	x 48 5/16	4.53	8.96	15 3/4	x 48 1/4	15	x 47 5/8
VCN25 Twin	40 1/2	x 59 3/4	11	x 55 5/16	4.23	13 1/2	x 55 5/16	5.19	10.31	15 3/4	x 55 1/4	15	x 54 5/8
VCN255 Twin	40 1/2	x 64 3/4	11	x 60 5/16	4.61	13 1/2	x 60 5/16	5.65	11.27	15 3/4	x 60 1/4	15	x 59 5/8
VCN26 Twin	40 1/2	x 71 3/4	11	x 67 5/16	5.14	13 1/2	x 67 5/16	6.31	12.62	15 3/4	x 67 1/4	15	x 66 5/8
VC23 Twin	47 1/2	x 36	14 1/2	x 31 9/16	3.18	17	x 31 9/16	3.73	7.18	19 1/4	x 31 1/2	18 1/2	x 30 7/8
VC235 Twin	47 1/2	x 40 3/4	14 1/2	x 36 5/16	3.66	17	x 36 5/16	4.29	8.33	19 1/4	x 36 1/4	18 1/2	x 35 5/8
VC24 Twin	47 1/2	x 48	14 1/2	x 43 9/16	4.39	17	x 43 9/16	5.14	10.08	19 1/4	x 43 1/2	18 1/2	x 42 7/8
VC245 Twin	47 1/2	x 52 3/4	14 1/2	x 48 5/16	4.86	17	x 48 5/16	5.70	11.22	19 1/4	x 48 1/4	18 1/2	x 47 5/8
VC25 Twin	47 1/2	x 59 3/4	14 1/2	x 55 5/16	5.57	17	x 55 5/16	6.53	12.91	19 1/4	x 55 1/4	18 1/2	x 54 5/8
VC255 Twin	47 1/2	x 64 3/4	14 1/2	x 60 5/16	6.07	17	x 60 5/16	7.12	14.12	19 1/4	x 60 1/4	18 1/2	x 59 5/8
VC26 Twin	47 1/2	x 71 3/4	14 1/2	x 67 5/16	6.78	17	x 67 5/16	7.95	15.81	19 1/4	x 67 1/4	18 1/2	x 66 5/8
VCW23 Twin	56 1/2	x 36	19	x 31 9/16	4.16	21 1/2	x 31 9/16	4.71	9.04	23 3/4	x 31 1/2	23	x 30 7/8
VCW235 Twin	56 1/2	x 40 3/4	19	x 36 5/16	4.79	21 1/2	x 36 5/16	5.42	10.48	23 3/4	x 36 1/4	23	x 35 5/8
VCW24 Twin	56 1/2	x 48	19	x 43 9/16	5.75	21 1/2	x 43 9/16	6.50	12.68	23 3/4	x 43 1/2	23	x 42 7/8
VCW245 Twin	56 1/2	x 52 3/4	19	x 48 5/16	6.37	21 1/2	x 48 5/16	7.21	14.13	23 3/4	x 48 1/4	23	x 47 5/8
VCW25 Twin	56 1/2	x 59 3/4	19	x 55 5/16	7.30	21 1/2	x 55 5/16	8.26	16.25	23 3/4	x 55 1/4	23	x 54 5/8
VCW255 Twin	56 1/2	x 64 3/4	19	x 60 5/16	7.96	21 1/2	x 60 5/16	9.00	17.77	23 3/4	x 60 1/4	23	x 59 5/8
VCW26 Twin	56 1/2	x 71 3/4	19	x 67 5/16	8.88	21 1/2	x 67 5/16	10.05	19.90	23 3/4	x 67 1/4	23	x 66 5/8
VCE24 Twin	63	x 48	22 1/4	x 43 9/16	6.73	24 3/4	x 43 9/16	7.49	14.57	27	x 43 1/2	26 1/4	x 42 7/8
VCE245 Twin	63	x 52 3/4	22 1/4	x 48 5/16	7.46	24 3/4	x 48 5/16	8.30	16.23	27	x 48 1/4	26 1/4	x 47 5/8
VCE25 Twin	63	x 59 3/4	22 1/4	x 55 5/16	8.55	24 3/4	x 55 5/16	9.51	18.67	27	x 55 1/4	26 1/4	x 54 5/8
VCE255 Twin	63	x 64 3/4	22 1/4	x 60 5/16	9.32	24 3/4	x 60 5/16	10.37	20.41	27	x 60 1/4	26 1/4	x 59 5/8
VCE26 Twin	63	x 71 3/4	22 1/4	x 67 5/16	10.40	24 3/4	x 67 5/16	11.57	22.86	27	x 67 1/4	26 1/4	x 66 5/8
VC34 Triple	71 1/4	x 48	14 1/2	x 43 9/16	4.39	17	x 43 9/16	5.14	15.11	19 1/4	x 43 1/2	18 1/2	x 42 7/8
VC345 Triple	71 1/4	x 52 3/4	14 1/2	x 48 5/16	4.86	17	x 48 5/16	5.70	16.83	19 1/4	x 48 1/4	18 1/2	x 47 5/8
VC35 Triple	71 1/4	x 59 3/4	14 1/2	x 55 5/16	5.57	17	x 55 5/16	6.53	19.37	19 1/4	x 55 1/4	18 1/2	x 54 5/8

