

SERIES 375 'ESTATE' ALUMINUM HORIZONTAL ROLLER WINDOW
SMALL MISSILE

- 1). THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2). 1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.
- 3). ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. ALL ANCHOR HEAD TYPES ARE ACCEPTABLE.
- 4). A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- 5). ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.
- 6). MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE & ADOPTED STANDARDS.
- 7). THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.
- 8). FRAME FLANGES MAY BE TRIMMED IN-FIELD TO CREATE AN EQUAL-LEG FRAME. THE EXPOSED ALUMINUM EDGE MUST BE PAINTED TO PROTECT AGAINST CORROSION.

INSTRUCTIONS FOR USING CAPACITY CHARTS:

- STEP 1

DETERMINE THE REQUIRED DESIGN PRESSURES FOR A GIVEN WINDOW OPENING.
- STEP 2

DETERMINE THE CAPACITY OF THE WINDOW SIZE/CONFIGURATION/GLASS TYPE FROM CHARTS ON SHEETS 5 AND 8.
FOR INSTALLATION ANCHOR TYPES SEE SHEETS 6 & 9.
EXTRA ANCHORS AT HEAD & SILL ARE SHOWN ON SHEETS 6, 7, 9 & 10.
- STEP 3

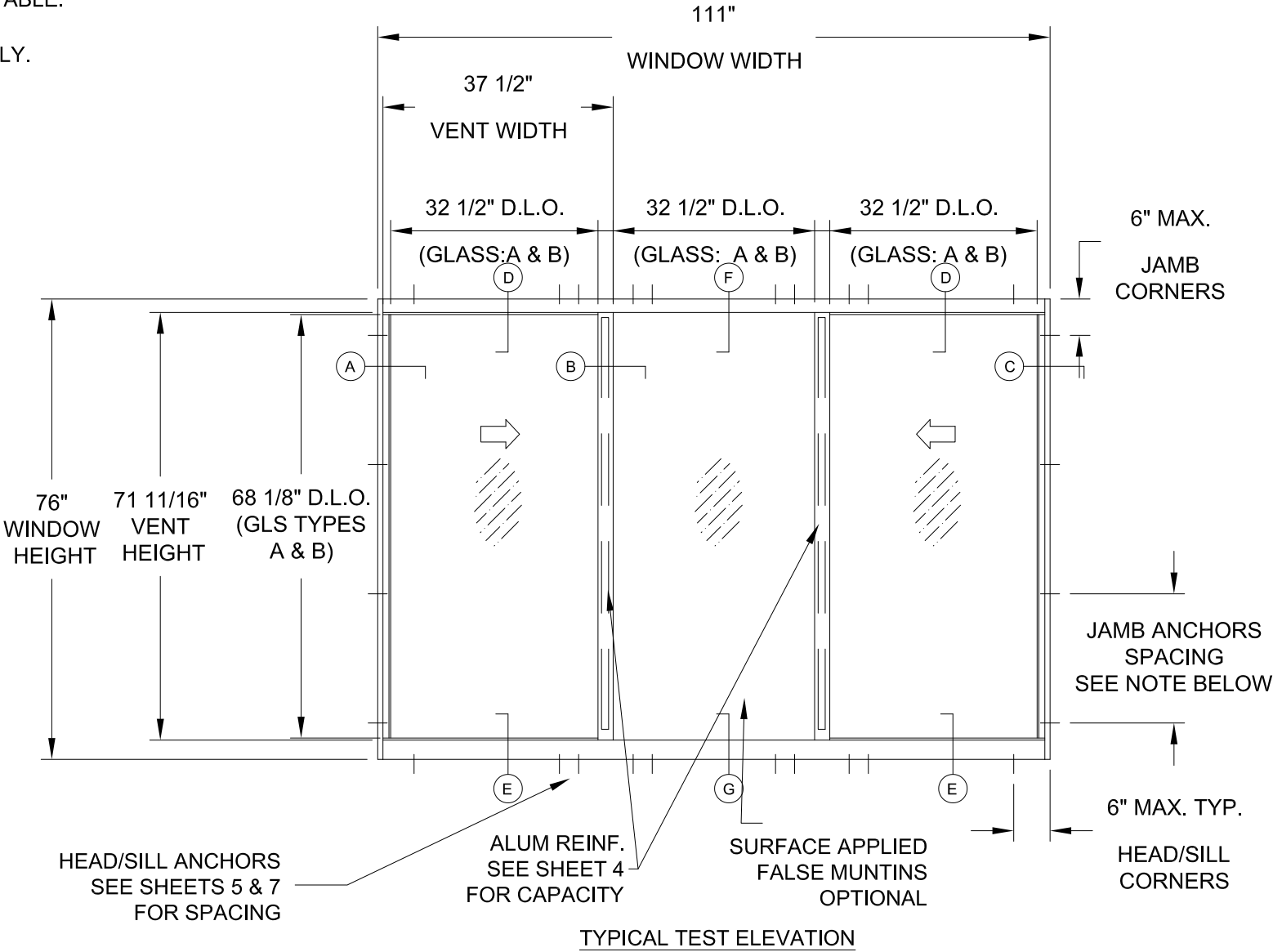
IF ALUMINUM BUCKS ARE USED, VERIFY THE BUCK INSTALLATION CAPACITY FROM SHEETS 16 & 17.
- STEP 4

FOR UNCLIPPED MULLED WINDOWS DETERMINE MULLION CAPACITY FOR 1X4 TUBE FROM CHARTS ON SHEET 14.
- STEP 5

FOR MULLION ANCHOR CAPACITY SEE CHART ON SHEET 15.

THE LOWEST SELECTED VALUE APPLY TO THE INSTALLATION AND MUST EQUAL OR EXCEED THE REQUIRED DESIGN PRESSURES OBTAINED FROM STEP 1.

THESE WINDOWS ARE RATED FOR SMALL MISSILE IMPACT. FLORIDA PRODUCTS APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE. SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

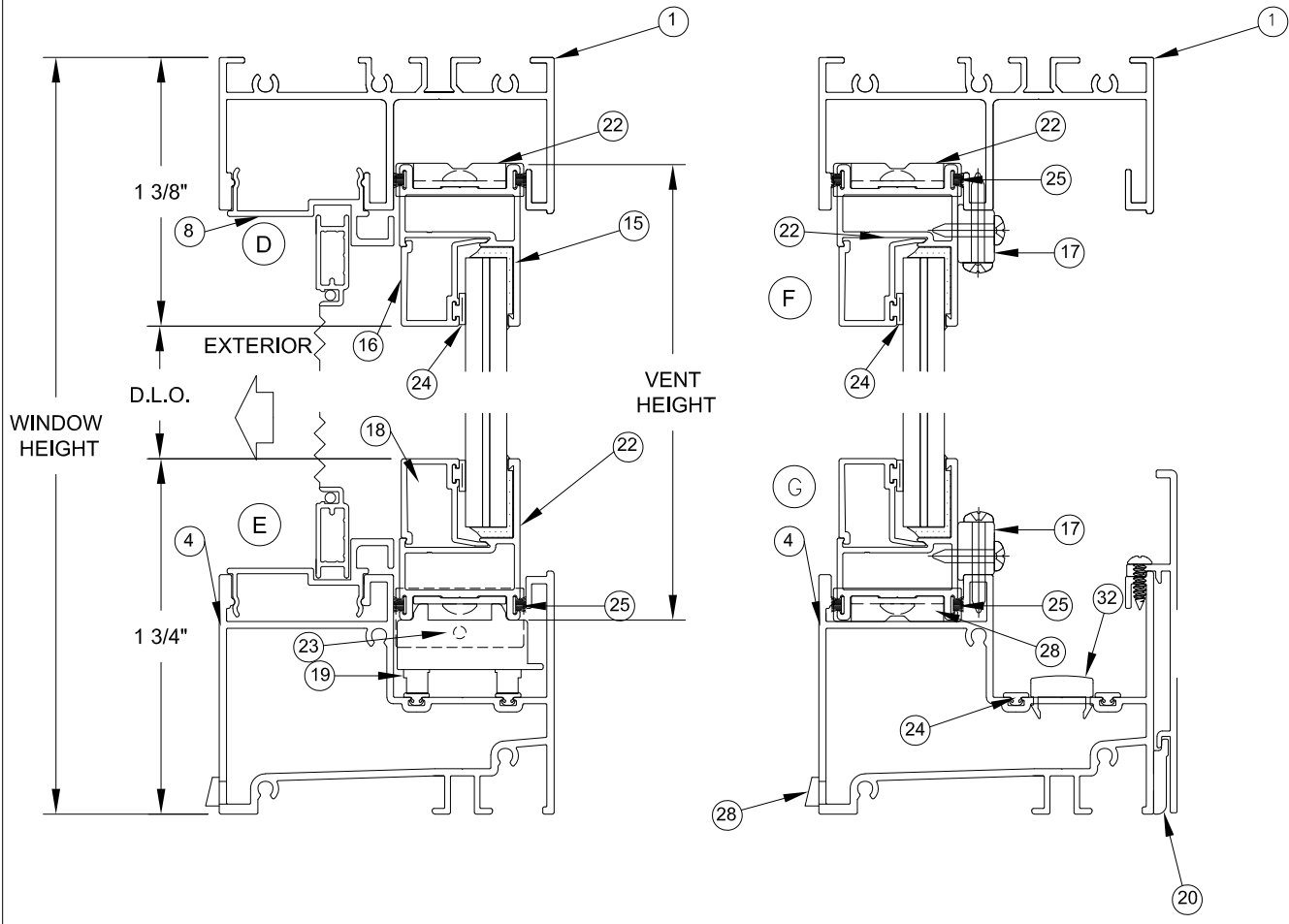
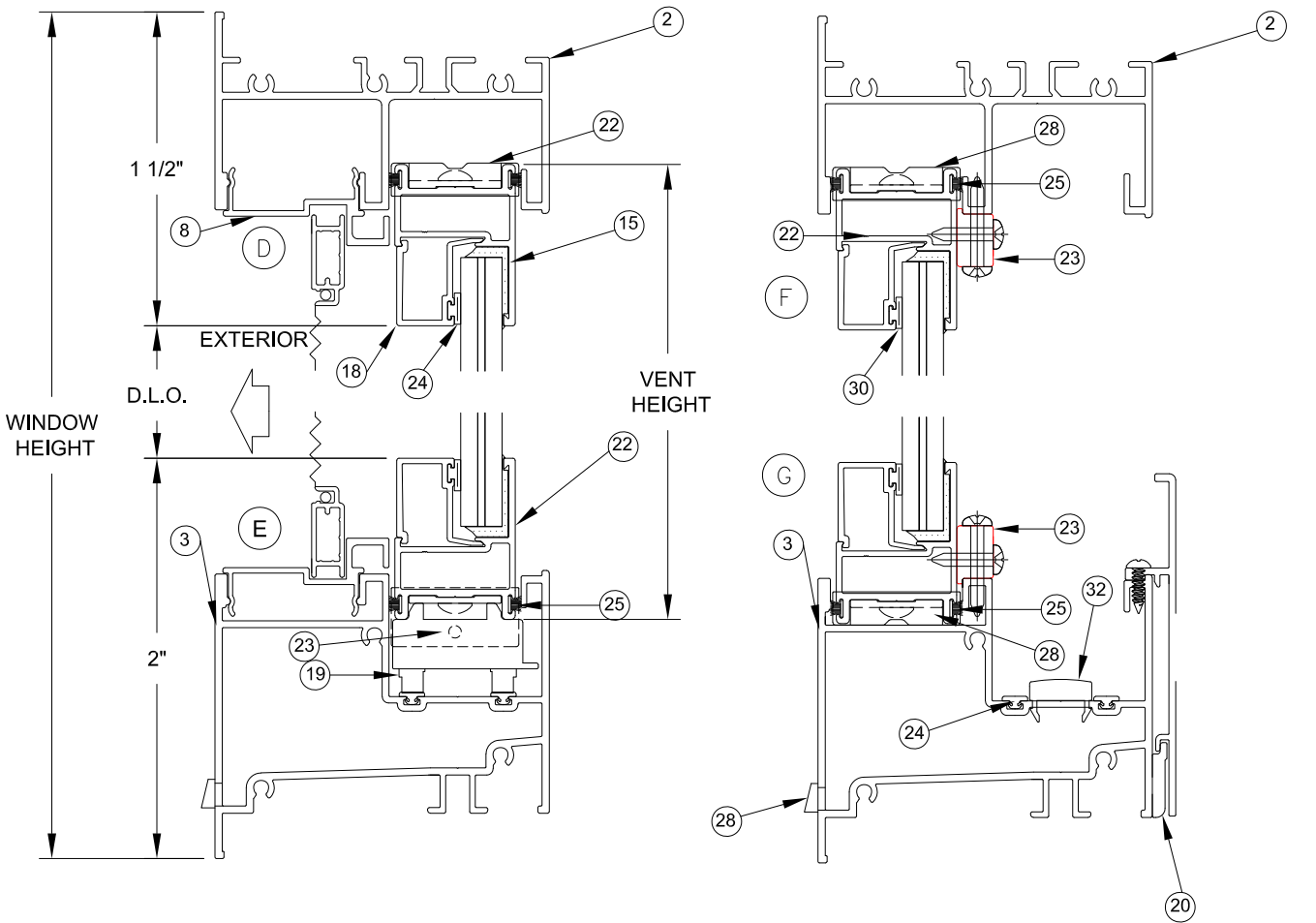
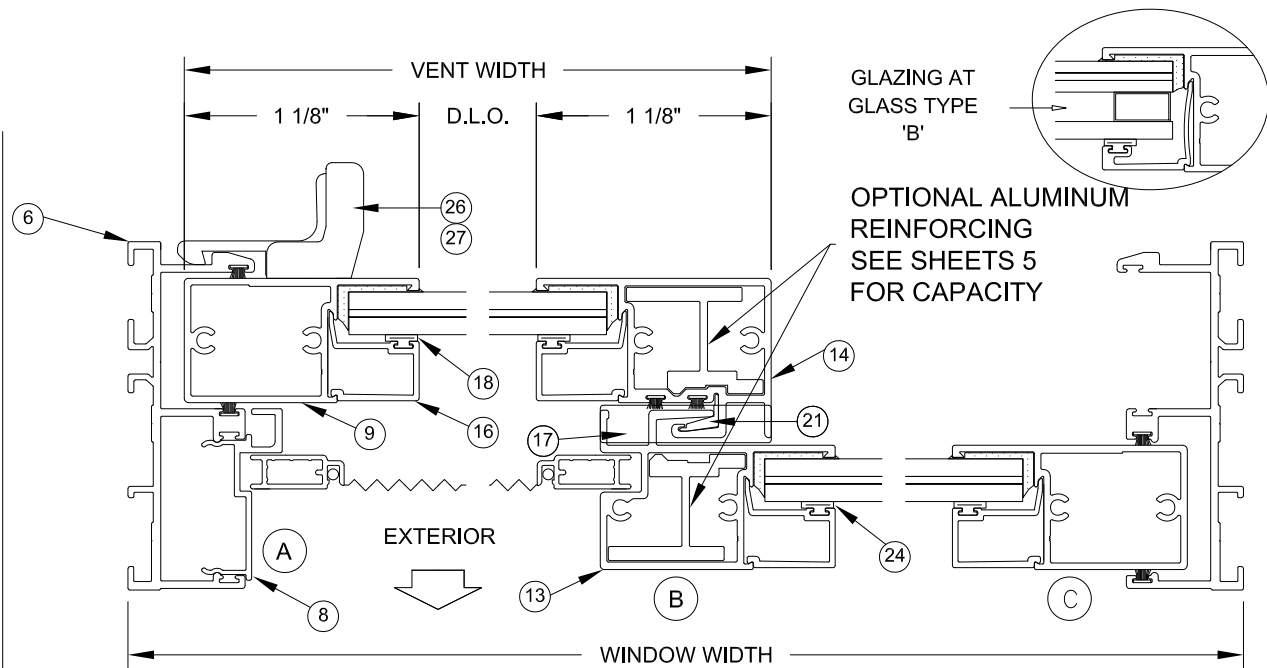
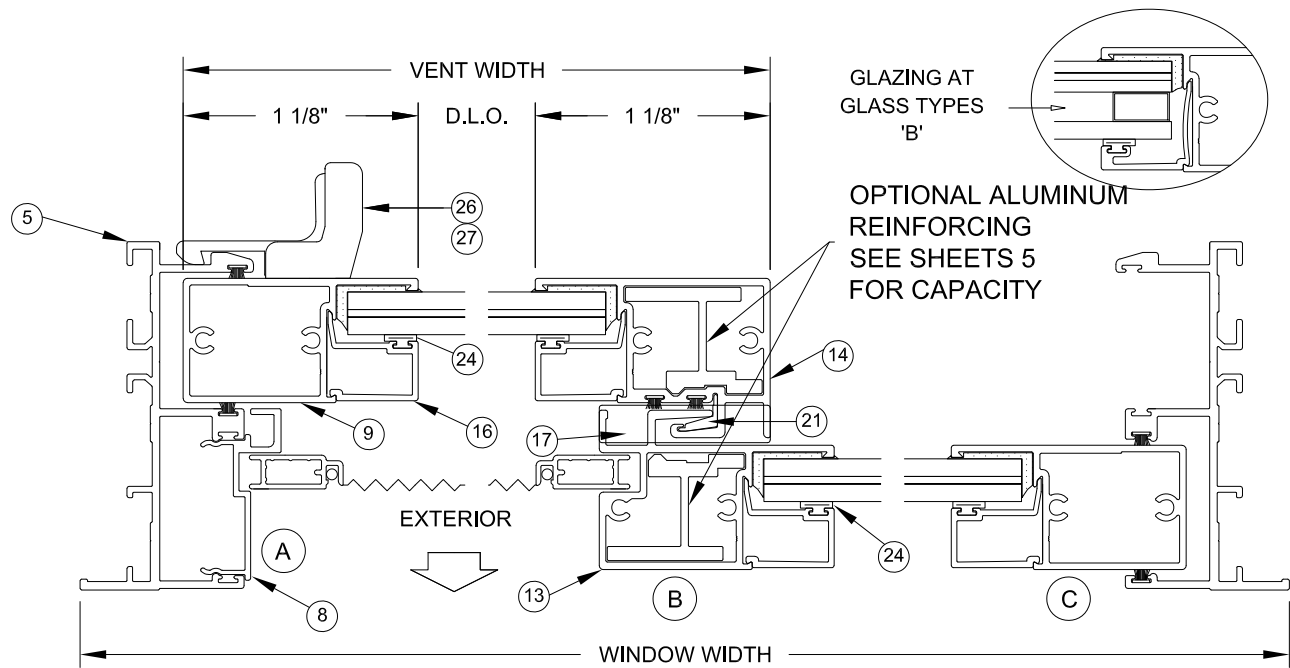


JAMB ANCHOR SPACING
20" MAX. FOR SHIMS UP TO 1/4".
10" MAX. FOR SHIMS GREATER THAN 1/4" TO 1/2".

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296 COPYRIGHT © 2023 WINDOOR, INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.		1/18/23	
WINDOOR® INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD N VENICE, FL 34275 (833) 554-5432		SERIES "375" ALUM. HORIZONTAL ROLLER WDW (SMI)		A. MORLESIN	
ELEVATION & GENERAL NOTES		HR375		HR375SMI-FPA	
1 OF 16		Sheet		DWG	
1 OF 16		No.		HR375SMI-FPA	

ANTHONY LYNN MILLER
LICENSE
No. 58705
10/05/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

Rev.	A
Date	10/05/23
ADD NOTES, ANCHOR HEAD TYPES, & FRAME FLANGES MAY BE TRIMMED, S.B.	



GENERAL WINDOW SECTIONS
FLANGE FRAME

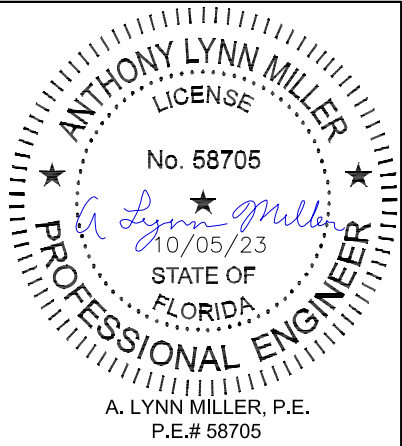
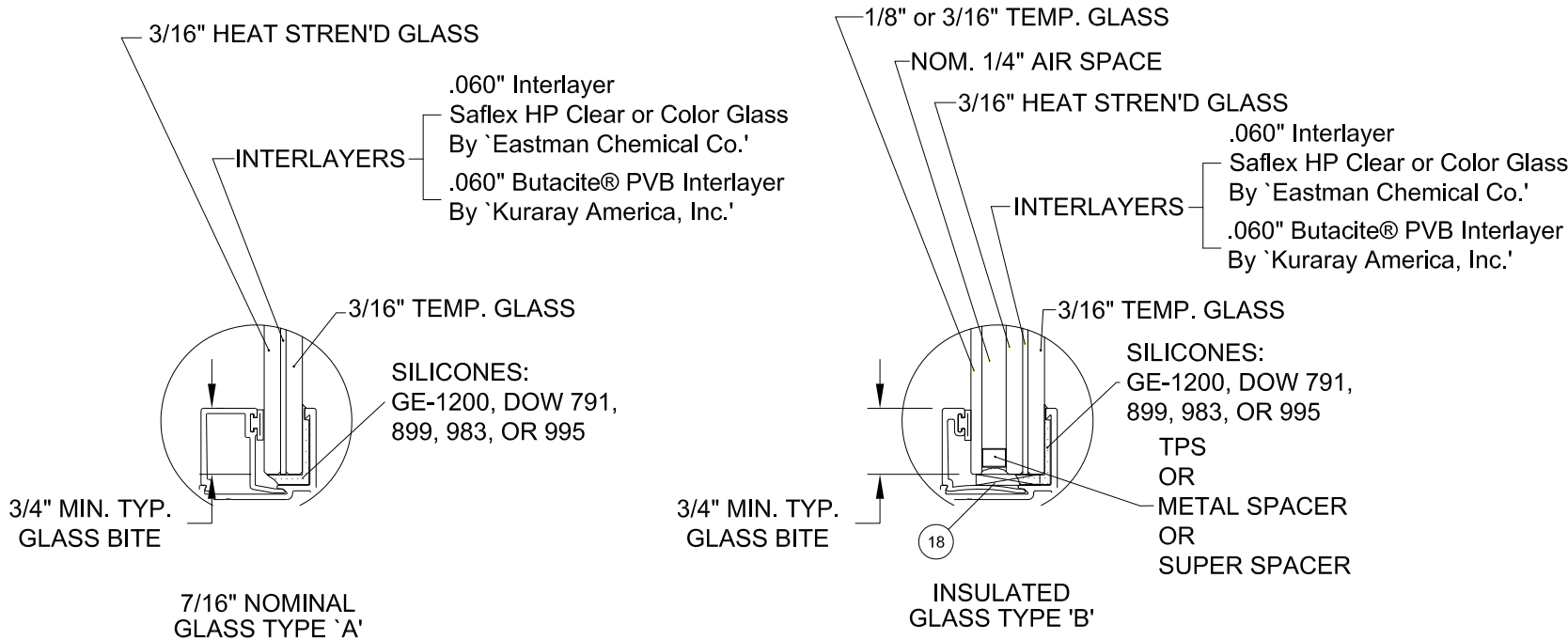
GLASS TYPE
'A'

GENERAL WINDOW SECTIONS
EQUAL LEG FRAME

GLASS TYPE
'A'

Rev. #		10/05/23		Date		NO CHANGES, THIS SHEET. S.B.		Rev.	
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296 COPYRIGHT © 2023 WINDOOR, INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.		1/18/23		A. MORLESIN		HR375SMI-FPA	
WINDOOR® INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD N VENICE, FL 34275 (833) 554-5432		SERIES "375" ALUM. HORIZONTAL ROLLER WDW (SMI)		SECTION DETAILS FLANGE FRAME		2 OF 16		HR375	
ANTHONY LYNN MILLER LICENSE No. 58705 10/05/23 STATE OF FLORIDA A. LYNN MILLER, P.E. P.E.# 58705									

GLASS TYPES



WINDOOR® INCORPORATED		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD N VENICE, FL 34275 (833) 554-5432		REGISTRATION #29296	
SERIES "375" ALUM. HORIZONTAL ROLLER WDW (SMI)		COPYRIGHT © 2023 WINDOOR, INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	
Date		1/18/23	
GLASS TYPES		A. MORLESIN	
Drawn By		HR375SMI-FPA	
Series Desc.		DWG No.	
HR375		3 OF 16	
Sheet			

Rev.	10/05/23	A
MOVE GLASS TYPES TO SEPARATE PAGE. S.B.		

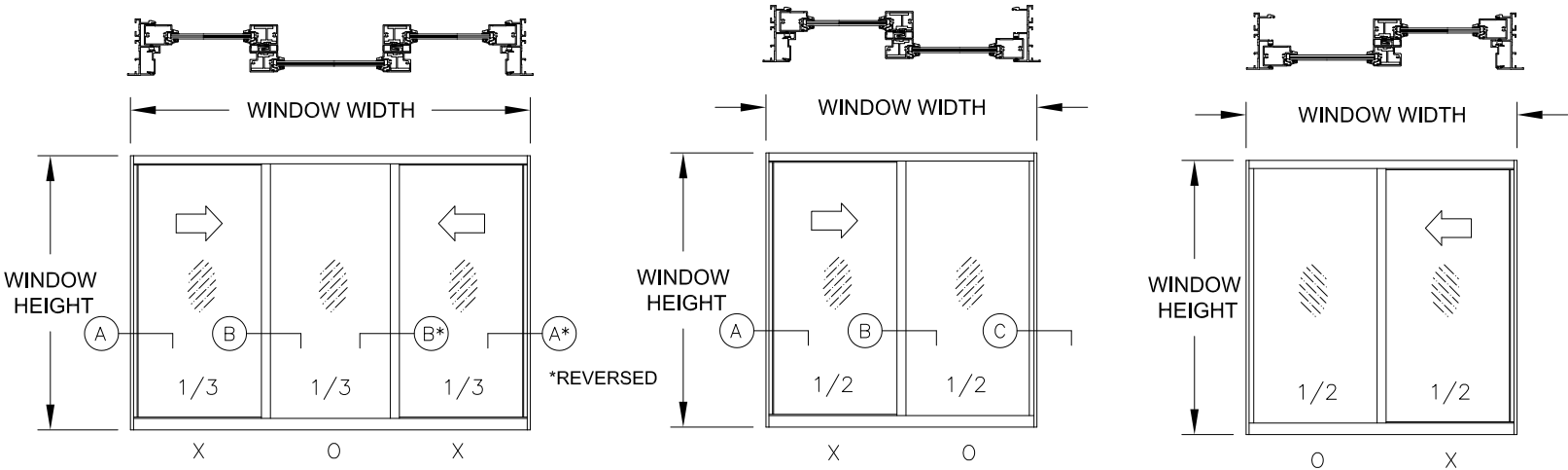
Glass Types: A & B No Interlock Reinforcement		Design Load Capacity (lbs/ft ²)																											
		Window Buck Width (in)																											
3 Panel Width→		39-3/4	54	55-1/2	63	75	79-11/16	81	90	99	108	111	117	119-1/4	126	159-3/8													
2 Panel Width→		26-1/2	36	37	42	48	53-1/8	54	60	66	72	74	78	79-1/2	84	106-1/4													
Window Buck Height (in)	36	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+100	-100
	38 3/8	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+100	-100	+100	-100
	48	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-147.7	+100	-100	+100	-100	+100	-100	+100	-100	+100	-100
	50 5/8	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-145.9	+120	-136.4	+120	-128.9	+100	-100	+100	-100	+100	-100	+100	-100	+100	-100
	54	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-145.9	+120	-145.9	+120	-136.4	+120	-128.9	+100	-100	+100	-100	+100	-100	+100	-100		
	60	+120	-150	+120	-150	+120	-150	+120	-150	+120	-138.5	+120	-127.1	+120	-127.1	+120	-118.2	+100	-100	+100	-100	+100	-100	+100	-100	+97.4	-97.4	+97.4	-97.4
	63	+120	-150	+120	-150	+120	-150	+120	-139.9	+120	-123.1	+120	-120.8	+112.6	-112.6	+100	-100	+97.7	-97.7	+96.9	-96.9	+96.9	-96.9	+93.1	-93.1	+93.1	-93.1	+84.4	-84.4
	66	+120	-150	+120	-150	+120	-139.9	+120	-139.9	+120	-123.1	+112.6	-112.6	+112.6	-112.6	+100	-100	+97.7	-97.7	+92.3	-92.3	+88	-88	+88	-88	+84.4	-84.4	+84.4	-84.4
	72	+120	-150	+120	-140.7	+120	-137.5	+120	-123.5	+110.8	-110.8	+100	-100	+100	-100	+93.3	-93.3	+87.1	-87.1	+82.1	-82.1	+80.6	-80.6	+77.9	-77.9				
	76	+120	-150	+120	-132.3	+120	-129.2	+116	-116	+100	-100	+95.8	-95.8	+94.6	-94.6	+87.2	-87.2	+81.3	-81.3	+76.4	-76.4	+75	-75						

Glass Types: A & B With Interlock Reinforcement		Design Load Capacity (lbs/ft ²)																											
		Window Buck Width (in)																											
3 Panel Width→		39-3/4	54	55-1/2	63	75	79-11/16	81	90	99	108	111	117	119-1/4	126	159-3/8													
2 Panel Width→		26-1/2	36	37	42	48	53-1/8	54	60	66	72	74	78	79-1/2	84	106-1/4													
Window Buck Height (in)	36	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210
	38 3/8	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210
	48	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210		
	50 5/8	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210				
	54	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-204.2				
	60	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-209.6	+120	-197.1	+120	-187.1	+120	-210	+120	-210	+120	-179.1	+120	-172.7		
	63	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-199.6	+120	-184.9	+120	-173.2	+120	-171.9	+120	-171.9	+120	-171.9	+120	-171.9		
	66	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-199.6	+120	-199.6	+120	-184.9	+120	-173.2	+120	-163.7	+120	-156	+120	-156	+120	-149.7		
	72	+120	-210	+120	-210	+120	-210	+120	-210	+120	-196.5	+120	-181.4	+120	-179.1	+120	-165.5	+120	-154.5	+120	-154.6	+120	-142.9	+120	-138.2				
	76	+120	-210	+120	-210	+120	-210	+120	-205.7	+120	-184.2	+120	-169.8	+120	-167.7	+120	-154.6	+120	-144.1	+120	-135.5	+120	-133						

GLAZING/REINFORCEMENT
PERFORMANCE VALUES
EQUAL PANELS

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)

MAXIMUM VENT SIZE IS 18.7 SQ. FT.
AND MAXIMUM VENT HEIGHT IS 71 11/16"
VALUES FOR EXTERIOR LOADS(+) SHOWN ARE
FOR SILL WITH WATERBAR ADAPTER
FOR WINDOWS WITHOUT WATERBAR ADAPTER
LIMIT POS(+) LOADS TO 65.0 PSF



WINDOOR[®]

INCORPORATED

WINDOOR INCORPORATED
104 TRIPLE DIAMOND BLVD
N VENICE, FL 34275
(833) 554-5432

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

REGISTRATION #29296
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SERIES "375" ALUM. HORIZONTAL ROLLER WDW
(SMI)

1/18/23

DESIGN PRESSURE

A. MORLESIN

HR375

4 OF 16

HR375SMI-FPA

ANTHONY LYNN MILLER
LICENSE
No. 58705
10/05/23
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

Rev. #

10/05/23

Date

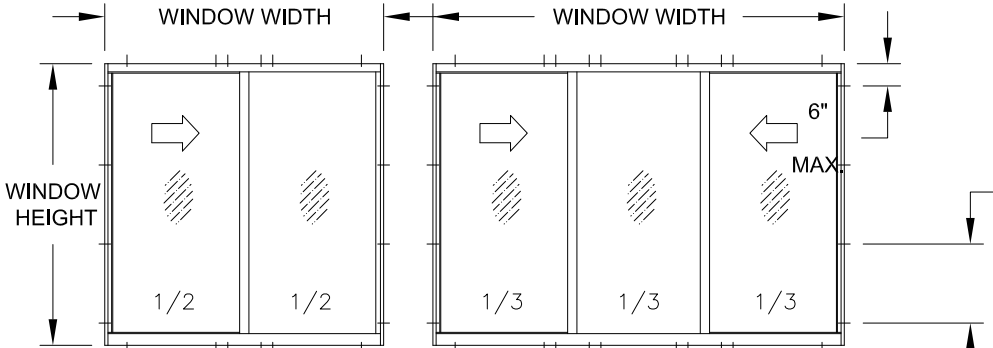
REFORMAT DP TABLES. UPDATE DP
WITHOUT WATERBAR ADAPTER. S.B.

WINDOW DIMS.			1/4" SHIM SPACE		3/8" SHIM SPACE		1/2" SHIM SPACE	
			ANCHORS TYPE 'B'	ANCHORS TYPE 'C'	ANCHORS TYPE 'B'	ANCHORS TYPE 'C'	ANCHORS TYPE 'B'	ANCHORS TYPE 'C'
			POS.(+) NEG.(-)	POS.(+) NEG.(-)	POS.(+) NEG.(-)	POS.(+) NEG.(-)	POS.(+) NEG.(-)	POS.(+) NEG.(-)
WIDTH		HEIGHT	36"	54"	210.0	210.0	210.0	210.0
2 PANEL	3 PANEL		42"	63"	210.0	210.0	210.0	210.0
48"	72"	36"	210.0	210.0	210.0	210.0	208.0	210.0
54"	81"		210.0	210.0	210.0	210.0	184.9	210.0
60"	90"		210.0	210.0	210.0	210.0	166.4	208.0
66"	99"		210.0	210.0	194.9	210.0	151.3	189.1
72"	108"		210.0	210.0	178.7	210.0	138.7	173.3
78"	117"		198.6	210.0	164.9	206.2	128.0	160.0
84"	126"		184.4	210.0	153.1	191.4	118.9	148.6
36"	54"	42"	210.0	210.0	210.0	210.0	210.0	210.0
42"	63"		210.0	210.0	210.0	210.0	203.8	210.0
48"	72"		210.0	210.0	210.0	210.0	178.3	210.0
54"	81"		210.0	210.0	204.2	210.0	158.5	198.1
60"	90"		210.0	210.0	183.8	210.0	142.6	178.3
66"	99"		201.1	210.0	167.1	208.8	129.7	162.1
72"	108"		184.4	210.0	153.1	191.4	118.9	148.6
78"	117"		170.2	210.0	141.4	176.7	109.7	137.1
84"	126"		158.0	197.6	131.3	164.1	101.9	127.3
36"	54"	48"	210.0	210.0	210.0	210.0	208.0	210.0
42"	63"		210.0	210.0	210.0	210.0	178.3	210.0
48"	72"		210.0	210.0	201.0	210.0	156.0	195.0
54"	81"		210.0	210.0	178.7	210.0	138.7	173.3
60"	90"		193.6	210.0	160.8	201.0	124.8	156.0
66"	99"		176.0	210.0	146.2	182.7	113.5	141.8
72"	108"		161.3	201.7	134.0	167.5	104.0	130.0
78"	117"		148.9	186.2	123.7	154.6	96.0	120.0
84"	126"		138.3	172.9	114.9	143.6	89.1	111.4
36"	54"	54"	210.0	210.0	210.0	210.0	184.9	210.0
42"	63"		210.0	210.0	204.2	210.0	158.5	198.1
48"	72"		210.0	210.0	178.7	210.0	138.7	173.3
54"	81"		191.2	210.0	158.8	198.5	123.3	154.1
60"	90"		172.1	210.0	142.9	178.7	110.9	138.7
66"	99"		156.4	195.6	129.9	162.4	100.8	126.1
72"	108"		143.4	179.3	119.1	148.9	92.4	115.6
78"	117"		132.4	165.5	109.9	137.4	85.3	106.7
84"	126"		122.9	153.7	102.1	127.6	79.2	99.0
36"	54"	60"	210.0	210.0	210.0	210.0	166.4	208.0
42"	63"		210.0	210.0	183.8	210.0	142.6	178.3
48"	72"		193.6	210.0	160.8	201.0	124.8	156.0
54"	81"		172.1	210.0	142.9	178.7	110.9	138.7
60"	90"		154.9	193.6	128.6	160.8	99.8	124.8
66"	99"		140.8	176.0	116.9	146.2	90.8	113.5
72"	108"		129.1	161.3	107.2	134.0	83.2	104.0
78"	117"		119.1	148.9	99.0	123.7	76.8	96.0
84"	126"		110.6	138.3	91.9	114.9	71.3	89.1
36"	54"	66"	210.0	210.0	194.9	210.0	151.3	189.1
42"	63"		201.1	210.0	167.1	208.8	129.7	162.1
48"	72"		176.0	210.0	146.2	182.7	113.5	141.8
54"	81"		156.4	195.6	129.9	162.4	100.8	126.1
60"	90"		140.8	176.0	116.9	146.2	90.8	113.5
66"	99"		128.0	160.0	106.3	132.9	82.5	103.1
72"	108"		117.3	146.7	97.5	121.8	75.6	94.5
78"	117"		108.3	135.4	90.0	112.4	69.8	87.3

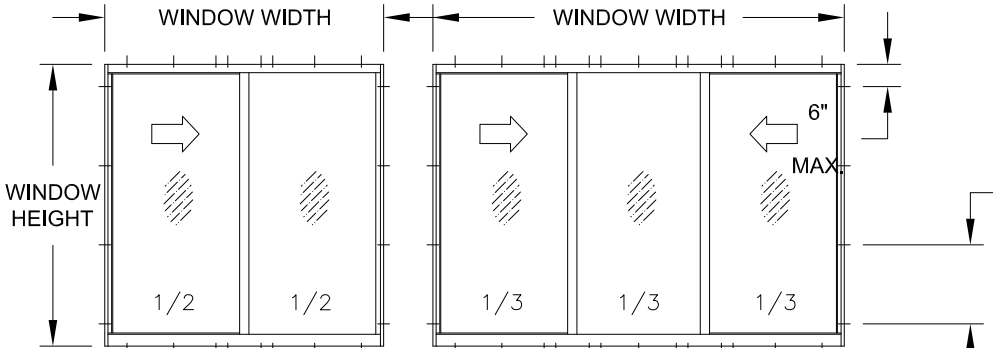
ALL VALUES SHOWN ARE DESIGN PSF (POUNDS PER SQUARE FOOT)

WINDOW DIMS.			1/4" SHIM SPACE		3/8" SHIM SPACE		1/2" SHIM SPACE	
			ANCHORS TYPE 'B'	ANCHORS TYPE 'C'	ANCHORS TYPE 'B'	ANCHORS TYPE 'C'	ANCHORS TYPE 'B'	ANCHORS TYPE 'C'
			POS.(+) NEG.(-)	POS.(+) NEG.(-)	POS.(+) NEG.(-)	POS.(+) NEG.(-)	POS.(+) NEG.(-)	POS.(+) NEG.(-)
WIDTH		HEIGHT	36"	54"	210.0	210.0	178.7	210.0
2 PANEL	3 PANEL		42"	63"	184.4	210.0	153.1	191.4
48"	72"	72"	161.3	201.7	134.0	167.5	104.0	130.0
54"	81"		143.4	179.3	119.1	148.9	92.4	115.6
60"	90"		129.1	161.3	107.2	134.0	83.2	104.0
66"	99"		117.3	146.7	97.5	121.8	75.6	94.5
72"	108"		107.6	134.4	89.3	111.7	69.3	86.7
36"	54"		203.8	210.0	169.3	210.0	131.4	164.2
42"	63"		174.7	210.0	145.1	181.4	112.6	140.8
48"	72"		152.8	191.1	126.9	158.7	98.5	123.2
54"	81"	76"	135.9	169.8	112.8	141.1	87.6	109.5
60"	90"		122.3	152.8	101.6	126.9	78.8	98.5
66"	99"		111.2	138.9	92.3	115.4	71.7	89.6
72"	108"		101.9	127.4	84.6	105.8	65.7	82.1

WINDOW DIMS.			1/4" SHIM SPACE		3/8" SHIM SPACE		1/2" SHIM SPACE	
			ANCHORS TYPE 'B'	ANCHORS TYPE 'C'	ANCHORS TYPE 'B'	ANCHORS TYPE 'C'	ANCHORS TYPE 'B'	ANCHORS TYPE 'C'
			POS.(+) NEG.(-)	POS.(+) NEG.(-)	POS.(+) NEG.(-)	POS.(+) NEG.(-)	POS.(+) NEG.(-)	POS.(+) NEG.(-)
WIDTH		HEIGHT	26-1/2"	39-3/4"	210.0	210.0	210.0	210.0
2 PANEL	3 PANEL		37"	55-1/2"	210.0	210.0	210.0	210.0
53-1/8"	79-11/16"	38-3/8"	210.0	210.0	210.0	210.0	176.3	210.0
74"	111"		196.3	210.0	163.1	203.8	126.6	158.2
79-1/2"	119-1/4"		182.8	210.0	151.8	189.7	117.8	147.3
106-1/4"	159-3/8"		136.7	170.9	113.6	142.0	88.2	110.2
26-1/2"	39-3/4"		210.0	210.0	210.0	210.0	210.0	210.0
37"	55-1/2"		210.0	210.0	210.0	210.0	191.9	210.0
53-1/8"	79-11/16"		207.3	210.0	172.2	210.0	133.6	167.1
74"	111"		148.8	186.0	123.6	154.5	95.9	119.9
79-1/2"	119-1/4"	50-5/8"	138.5	173.2	115.1	143.8	89.3	111.6
106-1/4"	159-3/8"		103.7	129.6	86.1	107.6	66.8	83.5
26-1/2"	39-3/4"		210.0	210.0	210.0	210.0	210.0	210.0
37"	55-1/2"		210.0	210.0	198.7	210.0	154.2	192.7
53-1/8"	79-11/16"	63"	166.6	208.2	138.4	173.0	107.4	134.2
74"	111"		119.6	149.5	99.3	124.2	77.1	96.4
79-1/2"	119-1/4"		111.3	139.2	92.5	115.6	71.8	89.7
26-1/2"	39-3/4"		210.0	210.0	210.0	210.0	188.4	210.0
37"	55-1/2"	72"	209.3	210.0	173.8	210.0	134.9	168.6
53-1/8"	79-11/16"		145.8	182.2	121.1	151.3	94.0	117.5
74"	111"		104.6	130.8	86.9	108.6	67.5	84.3
26-1/2"	39-3/4"		210.0	210.0	210.0	210.0	178.5	210.0
37"	55-1/2"	76"	198.3	210.0	164.7	205.9	127.8	159.8
53-1/8"	79-11/16"		138.1	172.6	114.7	143.4	89.0	111.3



ANCHORS TYPE 'B'
4 ANCHORS AT MTG. STILE ENDS
24" MAX. SPACING BETWEEN ANCHORS



ANCHORS TYPE 'C'
4 ANCHORS AT MTG. STILE ENDS
12" MAX. SPACING BETWEEN ANCHORS

JAMB ANCHOR
SPACING
SEE SHEET 1

JAMB ANCHOR SPACING
20" MAX. FOR SHIMS UP TO 1/4".
10" MAX. FOR SHIMS GREATER
THAN 1/4" TO 1/2".

ALL VALUES SHOWN ARE DESIGN PSF
VALUES FOR POS.(+) LOADS SHOWN ARE FOR
SILL WITH WATERBAR ADAPTER.
FOR WINDOWS WITHOUT WATERBAR ADAPTER
LIMIT POS.(+) LOADS TO 65.0 PSF

ANCHOR CAPACITY
EQUAL PANELS

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

REGISTRATION #29296

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WINDOOR INCORPORATED
104 TRIPLE DIAMOND BLVD
N VENICE, FL 34275
(833) 554-5432

SERIES "375" ALUM. HORIZONTAL ROLLER WDW
(SMI)

1/18/23

DESIGN PRESSURE 2

A. MORLESIN

HR375

5 OF 16

HR375SMI-FPA

ANTHONY LYNN MILLER
LICENSE
No. 58705
10/05/23
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

Rev. #

10/05/23

Date

Rev.

UPDATE DP WITHOUT
WATERBAR ADAPTER. S.B.

Glass Types: A & B No Interlock Reinforcement		Design Load Capacity (lbs/ft ²)																																	
		Window Buck Width (in)																																	
		3 Panel Width→		35-5/16		48		55-1/2		56		64		71		72		80		88		96		99		104		106		112		128		142	
2 Panel Width →		26-1/2		36		37		42		48		53-1/8		54		60		66		72		74		78		79-1/2		84		96		106-1/4		108	
Window Buck Height (in)	36	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+100	-100	+100	-100	+100	-100	+100	-100	+100	-100	+100	-100	+100	-100
	38 3/8	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+100	-100	+100	-100	+100	-100	+100	-100	+100	-100	+100	-100	+100	-100	+100	-100	+100	-100		
	48	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+100	-100	+100	-100	+100	-100	+100	-100	+100	-100	+100	-100	+100	-100						
	50 5/8	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+100	-100	+100	-100	+100	-100	+100	-100	+100	-100	+100	-100	+100	-100								
	54	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+120	-150	+100	-100	+100	-100	+100	-100	+100	-100	+100	-100	+100	-100	+100	-100								
	60	+120	-150	+120	-150	+120	-150	+120	-150	+100	-100	+100	-100	+100	-100	+100	-100	+100	-100																
	63	+120	-150	+120	-150	+120	-150	+120	-150	+100	-100	+100	-100	+100	-100	+100	-100																		
	66	+120	-150	+120	-150	+120	-139.7	+100	-100	+100	-100	+100	-100	+100	-100	+100	-100																		
	72	+120	-150	+120	-143	+120	-139.7	+100	-100	+100	-100	+100	-100	+100	-100																				
76	+120	-150	+100	-100	+100	-100	+100	-100	+100	-100	+97.9	-97.9	+96.9	-96.9																					

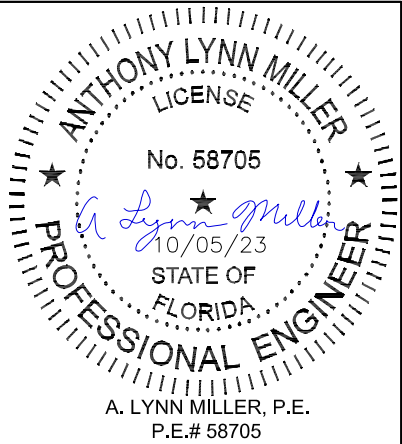
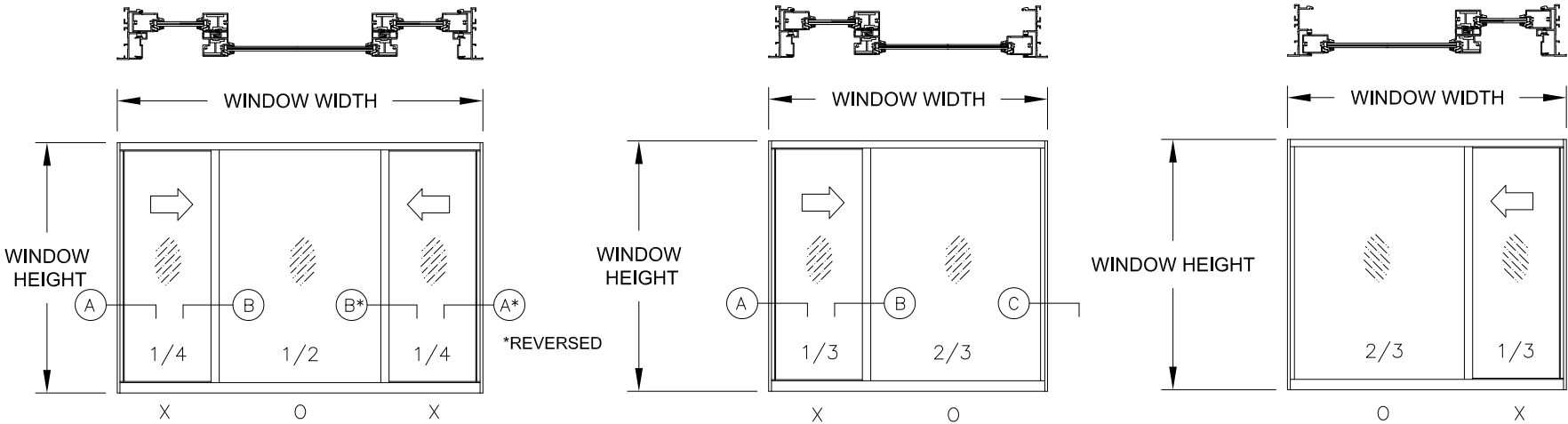
Glass Types: A & B With Interlock Reinforcement		Design Load Capacity (lbs/ft ²)																																		
		Window Buck Width (in)																																		
3 Panel Width→		35-5/16		48		55-1/2		56		64		71		72		80		88		96		99		104		106		112		128		142		144		
2 Panel Width→		26-1/2		36		37		42		48		53-1/8		54		60		66		72		74		78		79-1/2		84		96		106-1/4		108		
Window Buck Height (in)	36	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	
	38 3/8	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210			
	48	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210							
	50 5/8	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210									
	54	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210									
	60	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-205.8															
	63	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-205.5	+120	-191.2																			
	66	+120	-210	+120	-210	+120	-210	+120	-210	+120	-210	+120	-205.5	+120	-205.5	+120	-191.2																			
	72	+120	-210	+120	-210	+120	-210	+120	-210	+120	-198.6	+120	-185.8	+120	-183.9																					
76	+120	-210	+120	-210	+120	-210	+120	-209.4	+120	-185.9	+120	-173.6	+120	-171.8																						

GLAZING/REINFORCEMENT
PERFORMANCE VALUES
UNEQUAL PANELS

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)

VALUES FOR POS. LOADS(+) SHOWN ARE
FOR SILL WITH WATERBAR ADAPTER
FOR WINDOWS WITHOUT WATERBAR ADAPTER
LIMIT POS(+) LOADS TO 65.0 PSF

MAXIMUM VENT SIZE IS 18.7 SQ. FT.
AND MAXIMUM VENT HEIGHT IS 71 11/16"



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INCORPORATED

WINDOOR INCORPORATED
104 TRIPLE DIAMOND BLVD
N VENICE, FL 34275
(833) 554-5432

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

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Series

Desc. Title

DESIGN PRESSURE 3

SERIES "375" ALUM. HORIZONTAL ROLLER WDW (SMI)

Sheet

No.

6 OF 16

HR375

By

A. MORLESIN

HR375SMI-FPA

Date

1/18/23

Rev.	Date	Rev.#
A	10/05/23	

REFORMAT DP TABLES. UPDATE DP
WITHOUT WATERBAR ADAPTER. S.B.

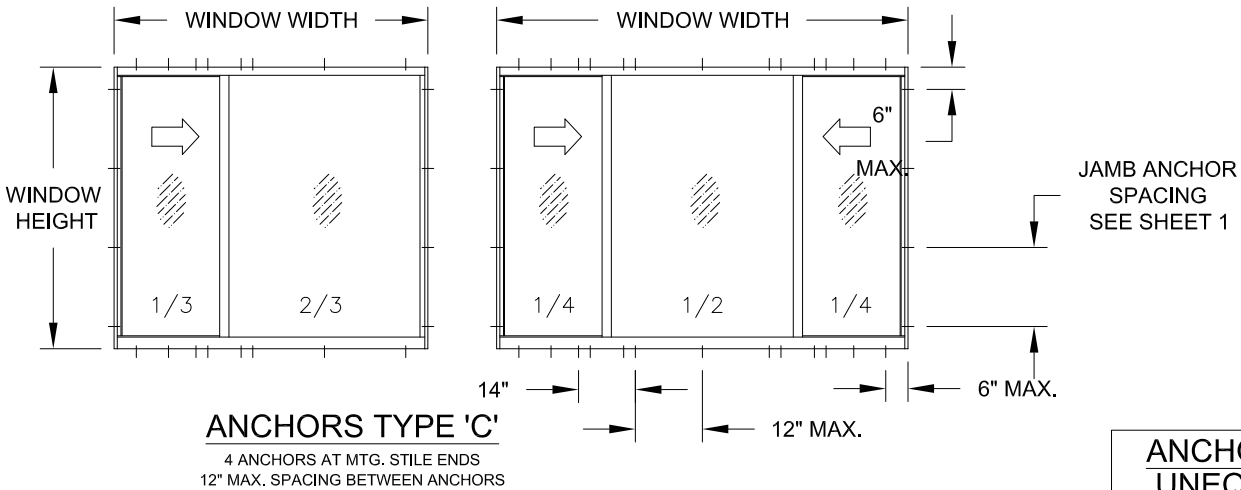
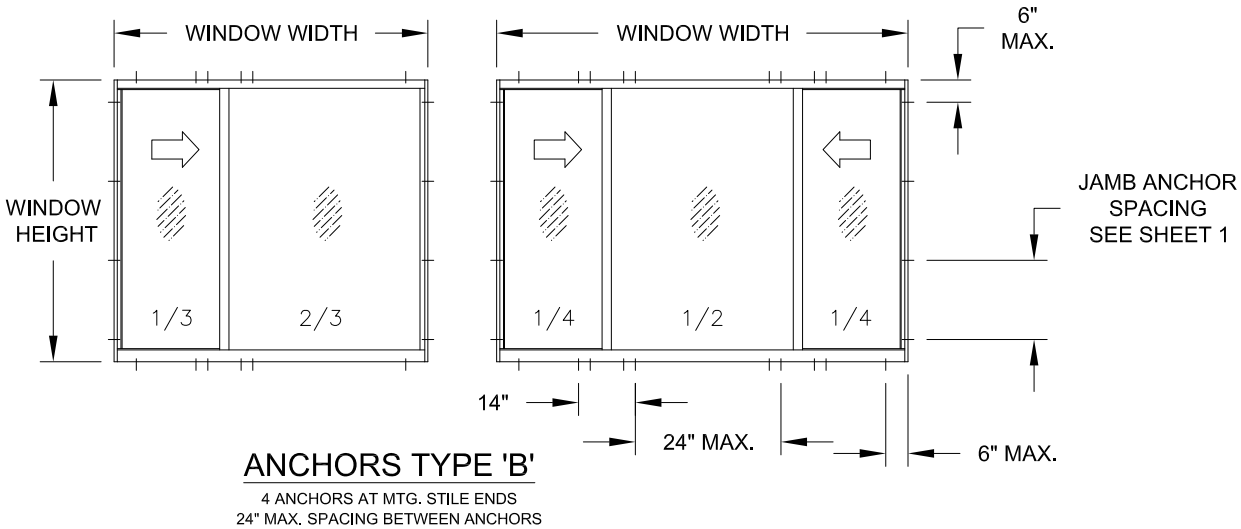
WINDOW DIMS.			1/4" SHIM SPACE		3/8" SHIM SPACE		1/2" SHIM SPACE	
			ANCHORS TYPE 'B'	ANCHORS TYPE 'C'	ANCHORS TYPE 'B'	ANCHORS TYPE 'C'	ANCHORS TYPE 'B'	ANCHORS TYPE 'C'
			POS.(+) NEG.(-)	POS.(+) NEG.(-)	POS.(+) NEG.(-)	POS.(+) NEG.(-)	POS.(+) NEG.(-)	POS.(+) NEG.(-)
WIDTH		HEIGHT	2 PANEL	3 PANEL				
36"	48"	36"			210.0	210.0	210.0	210.0
42"	56"				210.0	210.0	210.0	210.0
48"	64"				210.0	210.0	210.0	208.0
54"	72"				210.0	210.0	210.0	184.9
60"	80"				210.0	210.0	210.0	166.4
66"	88"				210.0	210.0	194.9	151.3
72"	96"				210.0	210.0	178.7	138.7
78"	104"				198.6	210.0	164.9	128.0
84"	112"				184.4	210.0	153.1	191.4
96"	128"				161.3	201.7	134.0	167.5
108"	144"				143.4	179.3	119.1	148.9
36"	48"	48"			210.0	210.0	210.0	208.0
42"	56"				210.0	210.0	210.0	178.3
48"	64"				210.0	210.0	201.0	156.0
54"	72"				210.0	210.0	178.7	138.7
60"	80"				193.6	210.0	160.8	124.8
66"	88"				176.0	210.0	146.2	113.5
72"	96"				161.3	201.7	134.0	104.0
78"	104"				148.9	186.2	123.7	96.0
84"	112"				138.3	172.9	114.9	89.1
36"	48"	54"			210.0	210.0	210.0	184.9
42"	56"				210.0	210.0	204.2	158.5
48"	64"				210.0	210.0	178.7	138.7
54"	72"				191.2	210.0	158.8	123.3
60"	80"				172.1	210.0	142.9	110.9
66"	88"				156.4	195.6	129.9	100.8
72"	96"				143.4	179.3	119.1	92.4
36"	48"	60"			210.0	210.0	210.0	166.4
42"	56"				210.0	210.0	183.8	142.6
48"	64"				193.6	210.0	160.8	124.8
54"	72"				172.1	210.0	142.9	110.9
60"	80"				154.9	193.6	128.6	99.8
66"	88"				140.8	176.0	116.9	90.8
36"	48"	66"			210.0	210.0	194.9	151.3
42"	56"				201.1	210.0	167.1	129.7
48"	64"				176.0	210.0	146.2	113.5
54"	72"				156.4	195.6	129.9	100.8
60"	80"				140.8	176.0	116.9	90.8
36"	48"	72"			210.0	210.0	178.7	138.7
42"	56"				184.4	210.0	153.1	118.9
48"	64"				161.3	201.7	134.0	104.0
54"	72"				143.4	179.3	119.1	92.4
36"	48"	76"			203.8	210.0	169.3	131.4
42"	56"				174.7	210.0	145.1	112.6
48"	64"				152.8	191.1	126.9	98.5
54"	72"				135.9	169.8	112.8	87.6

ALL VALUES SHOWN ARE DESIGN PSF (POUNDS PER SQUARE FOOT)

JAMB ANCHOR SPACING
20" MAX. FOR SHIMS UP TO 1/4".
10" MAX. FOR SHIMS GREATER
THAN 1/4" TO 1/2".

ALL VALUES SHOWN ARE DESIGN PSF
VALUES FOR POS.(+) LOADS SHOWN ARE FOR
SILL WITH WATERBAR ADAPTER.
FOR WINDOWS WITHOUT WATERBAR ADAPTER
LIMIT POS.(+) LOADS TO 65.0 PSF

WINDOW DIMS.			1/4" SHIM SPACE		3/8" SHIM SPACE		1/2" SHIM SPACE	
			ANCHORS TYPE 'B'	ANCHORS TYPE 'C'	ANCHORS TYPE 'B'	ANCHORS TYPE 'C'	ANCHORS TYPE 'B'	ANCHORS TYPE 'C'
			POS.(+) NEG.(-)	POS.(+) NEG.(-)	POS.(+) NEG.(-)	POS.(+) NEG.(-)	POS.(+) NEG.(-)	POS.(+) NEG.(-)
WIDTH		HEIGHT	2 PANEL	3 PANEL				
26-1/2"	35-5/16"	38-3/8"			210.0	210.0	210.0	210.0
37"	49-5/16"				210.0	210.0	210.0	210.0
53-1/8"	71"				210.0	210.0	210.0	175.9
74"	99"				195.7	210.0	162.5	126.1
79-1/2"	106"				182.8	210.0	151.8	117.8
106-1/4"	142"				136.4	170.5	113.3	87.9
26-1/2"	35-5/16"	50-5/8"			210.0	210.0	210.0	210.0
37"	49-5/16"				210.0	210.0	210.0	191.9
53-1/8"	71"				206.8	210.0	171.8	133.3
74"	99"				148.3	185.4	123.2	95.6
79-1/2"	106"				138.5	173.2	115.1	89.3
26-1/2"	35-5/16"				210.0	210.0	210.0	210.0
37"	49-5/16"	63"			210.0	210.0	198.7	154.2
53-1/8"	71"				166.2	207.8	138.0	107.1
26-1/2"	35-5/16"				210.0	210.0	210.0	188.4
37"	49-5/16"				209.3	210.0	173.8	134.9
53-1/8"	71"				145.4	181.8	120.8	93.7
26-1/2"	35-5/16"				210.0	210.0	210.0	178.5
37"	49-5/16"	76"			198.3	210.0	164.7	127.8
53-1/8"	71"				137.8	172.2	114.4	88.8



ANCHOR CAPACITY
UNEQUAL PANELS

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

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WINDOOR INCORPORATED
104 TRIPLE DIAMOND BLVD
N VENICE, FL 34275
(833) 554-5432

SERIES "375" ALUM. HORIZONTAL ROLLER WDW
(SMI)

1/18/23
Date

A. MORLESIN
By

DESIGN PRESSURE 4

HR375

HR375SMI-FPA

7 OF 16

Sheet

No.

ANTHONY LYNN MILLER
LICENSE
No. 58705
10/05/23
PROFESSIONAL ENGINEER
FLORIDA
A. LYNN MILLER, P.E.
P.E.# 58705

Rev. #

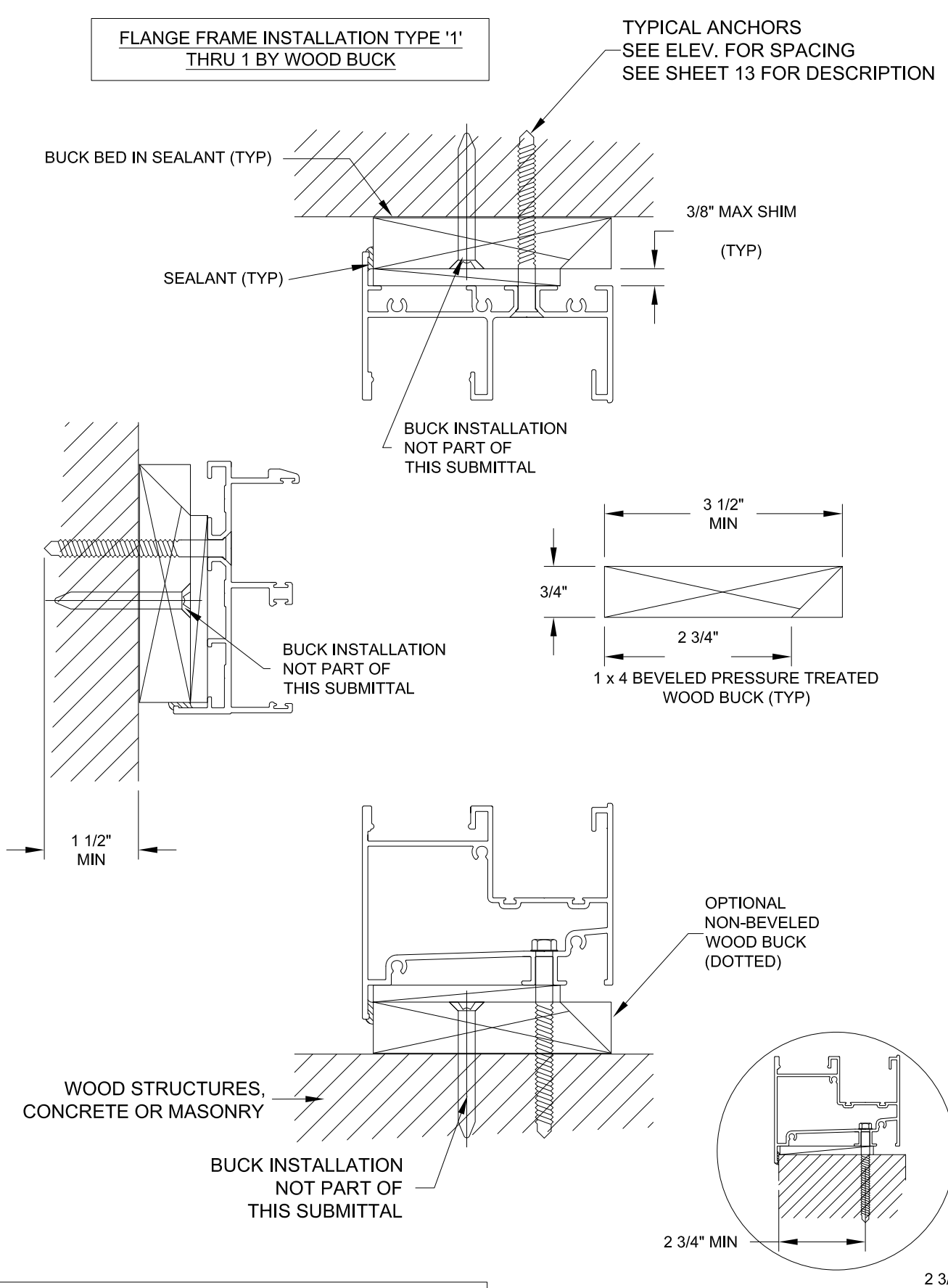
10/05/23

Date

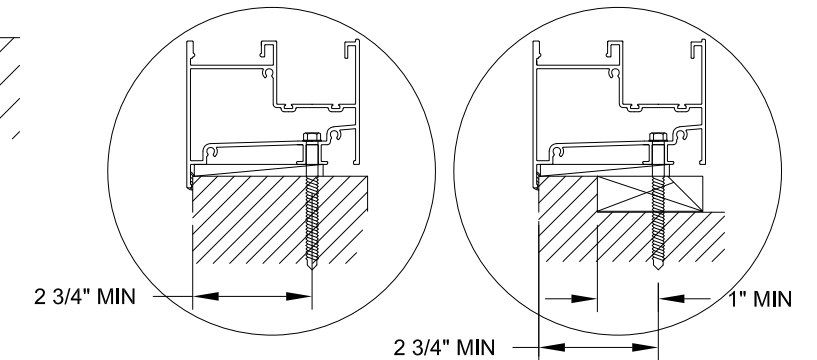
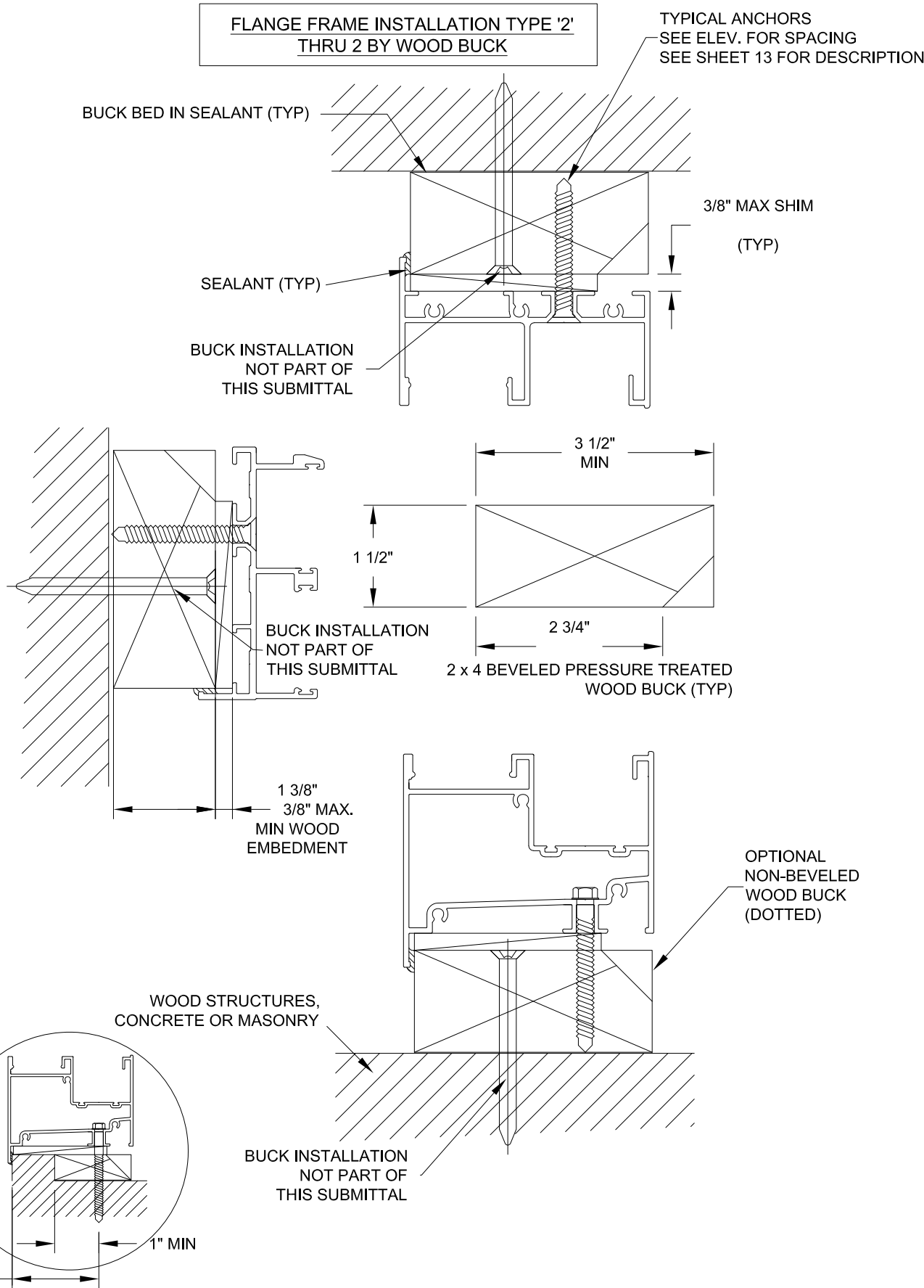
UPDATE DP WITHOUT
WATERBAR ADAPTER. S.B.

Rev.

INSTALLATION CONDITIONS FLANGE FRAME



WOOD BUCKS NOT BY WINDOOR CORP., MUST SUSTAIN
LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER
THEM TO THE BUILDING STRUCTURE.



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WINDOOR® INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD N VENICE, FL 34275 (833) 554-5432		SERIES "375" ALUM. HORIZONTAL ROLLER WDW (SMI)		FLANGE INSTALLATION	
A. LYNN MILLER P.E. # 58705		A. MORLESIN		HR375SMI-FPA	
8 OF 16		Sheet		No. DWG	

WINDOOR®
INCORPORATED
WINDOOR INCORPORATED
104 TRIPLE DIAMOND BLVD
N VENICE, FL 34275
(833) 554-5432

SERIES "375" ALUM. HORIZONTAL ROLLER WDW
(SMI)

FLANGE INSTALLATION

HR375

8 OF 16

Sheet

No. DWG

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

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1/18/23

A. LYNN MILLER
P.E. # 58705

ANTHONY LYNN MILLER
LICENSE
No. 58705
10/05/23
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

INSTALLATION CONDITIONS EQUAL LEG FRAME

EQUAL LEG INSTALLATION TYPE '1'
THRU 1 OR 2 BY WOOD BUCK

TYPICAL ANCHORS
SEE ELEV. FOR SPACING
SEE SHEET 13 FOR DESCRIPTION

BUCK BED IN SEALANT (TYP)

SEALANT (TYP)

1/2" MAX SHIM
(TYP)

BUCK INSTALLATION
NOT PART OF
THIS SUBMITTAL

3 1/2" MIN

1 1/2" 2x

3/4" 1x

1 x 4 (OR 2 X 4) PRESSURE TREATED
WOOD BUCK (TYP)

1 1/2" MIN

1 3/8" MIN

1/2" MAX.
SEE CHART

*1 1/2" EMBEDMENT IN CONCRETE
OR MASONRY
**1 3/8" EMBEDMENT INTO WOOD

1/2" MAX.
SEE CHART

1 BY WOOD BUCK
OR 2 BY WOOD BUCK

WOOD STRUCTURES,
CONCRETE OR MASONRY

BUCK INSTALLATION
NOT PART OF
THIS SUBMITTAL

1" MIN.

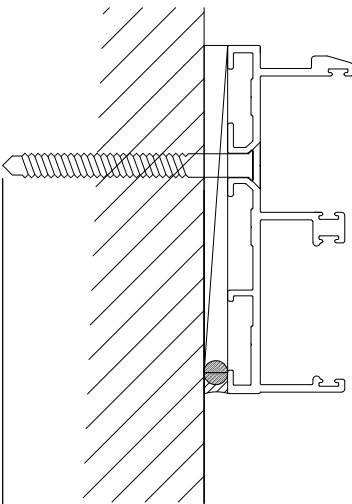
WOOD BUCKS NOT BY WINDOOR CORP., MUST SUSTAIN
LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER
THEM TO THE BUILDING STRUCTURE.

EQUAL LEG INSTALLATION TYPE '2'
DIRECTLY INTO STRUCTURE OPENING

TYPICAL ANCHORS
SEE ELEV. FOR SPACING
SEE SHEET 13 FOR DESCRIPTION

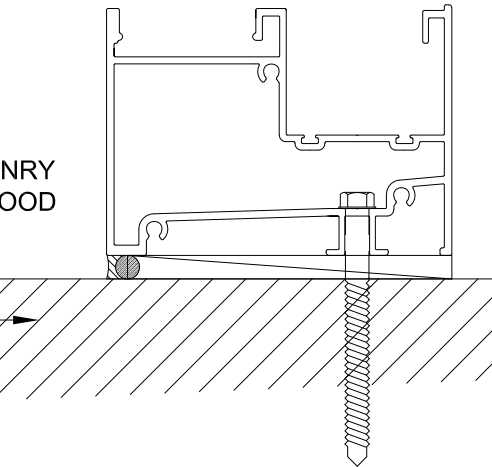
1/2" MAX SHIM
(TYP)

SEALANT (TYP)

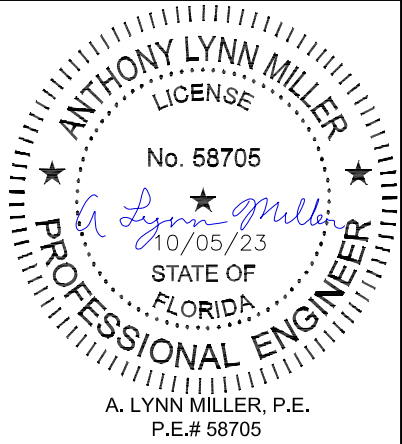


*1 1/2" EMBEDMENT IN CONCRETE OR MASONRY
**1 3/8" EMBEDMENT INTO WOOD

WOOD STRUCTURES,
CONCRETE OR MASONRY



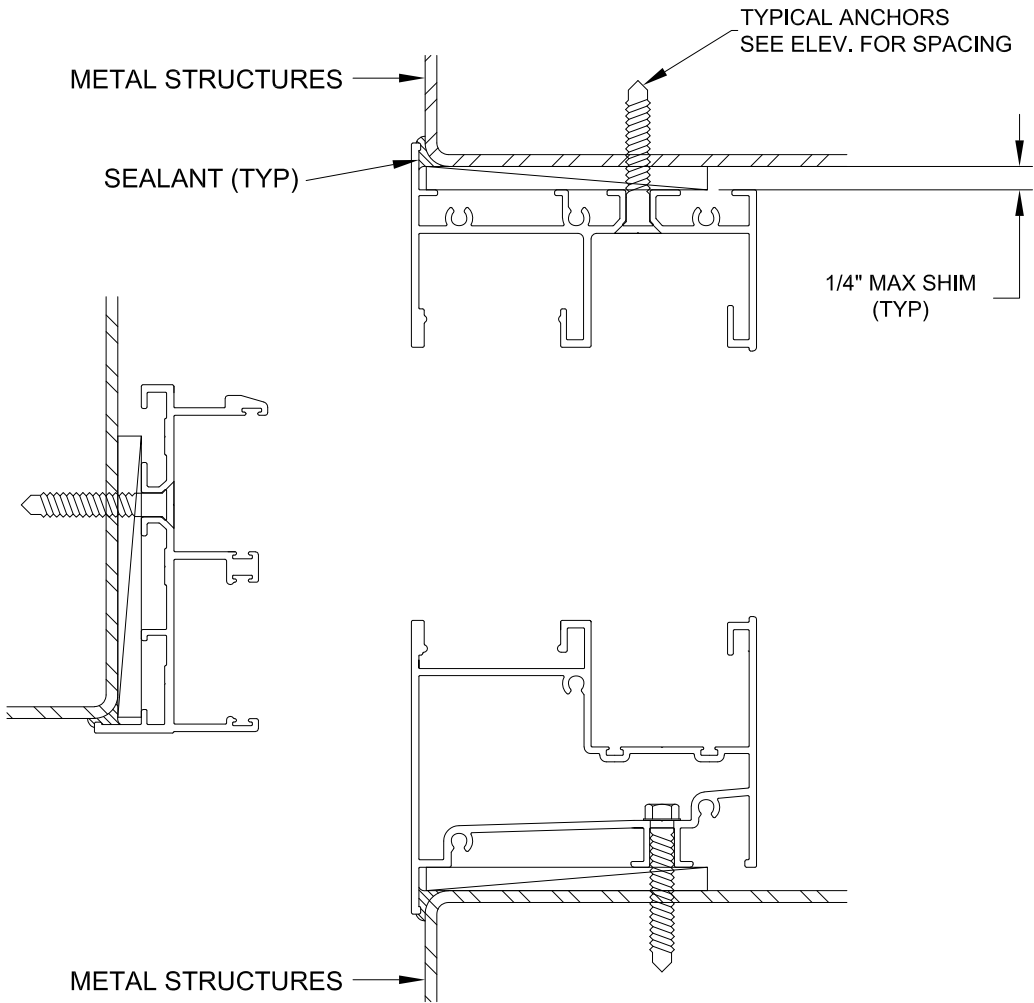
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WINDOOR® INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD N VENICE, FL 34275 (833) 554-5432		SERIES "375" ALUM. HORIZONTAL ROLLER WDW (SMI)		A. MORLESIN	
EQUAL LEG INSTALLATION		9 OF 16		HR375SMI-FPA	
HR375		Sheet		No.	



Rev.	10/05/23	Date
NO CHANGES, THIS SHEET. S.B.		

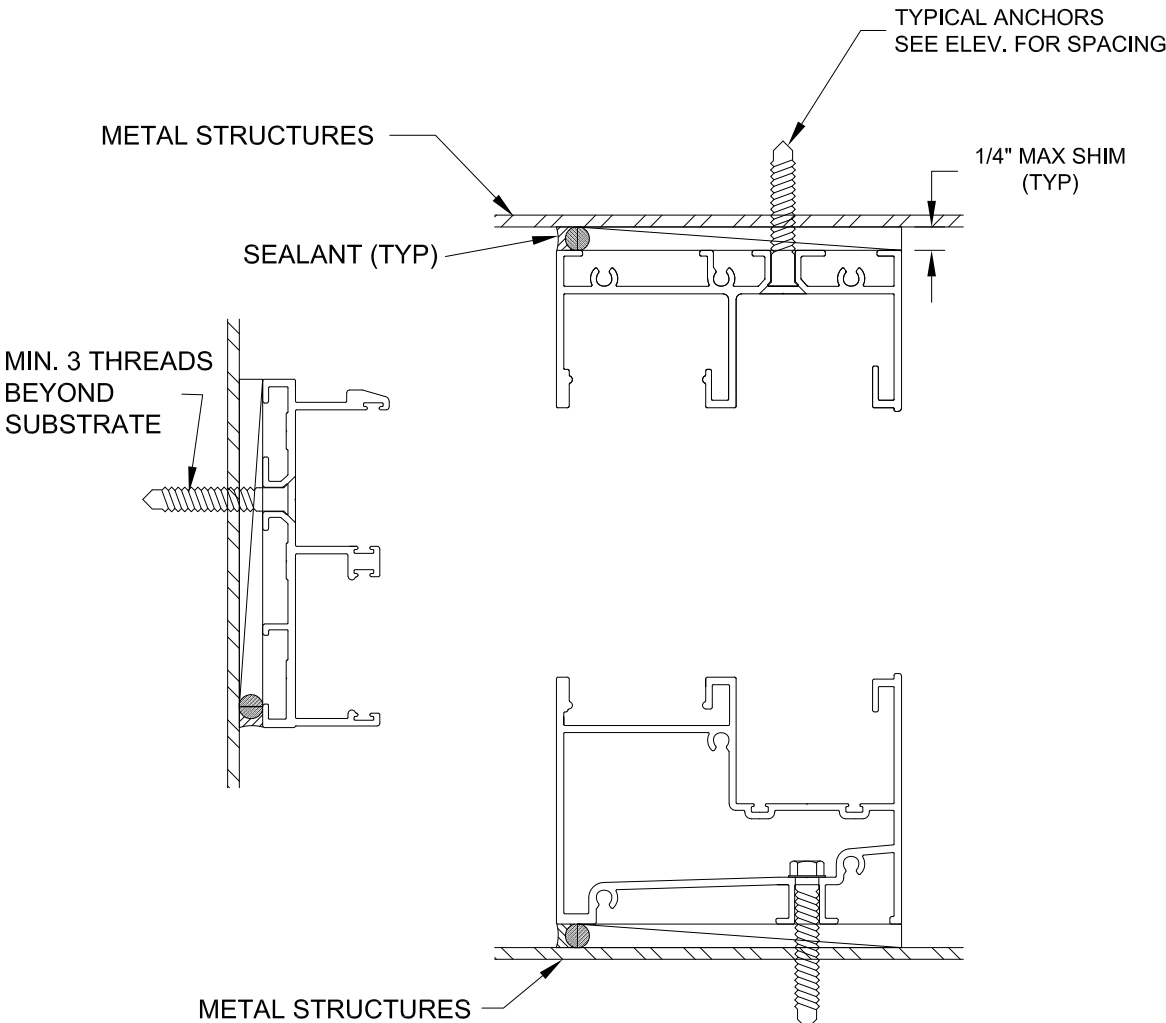
INSTALLATION CONDITIONS METAL STRUCTURES

FLANGE FRAME INSTALLATION



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

EQUAL LEG FRAME INSTALLATION



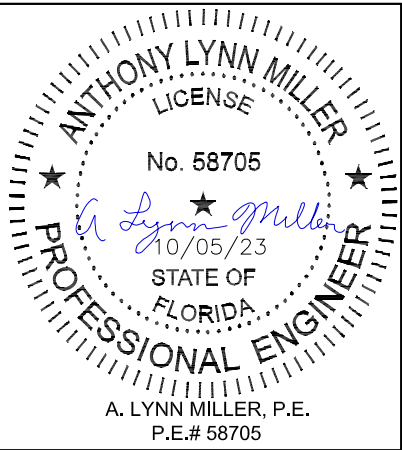
Anchor Type	Substrate	Frame Members	Min. Edge Distance	Min. Embedment or Metal Thickness
1/4" DIA. Hilti Kwik-con II	Southern Pine (SG = 0.55)	All	1"	1-1/2"
	Thru 1BY Buck into Concrete/Masonry	Jambs	2-1/2"	1-1/4"
	Thru 1BY Buck into Concrete	Head/Sill	2-1/2"	1-1/4"
	Concrete/Masonry	Jambs	2-1/2"	1-1/2"
	Concrete (min. 3.0 ksi)	Head/Sill	2-1/2"	1-1/2"
1/4" DIA. TEKS or Self Drilling Screws	Mullion FPA approved	All	3/4"	(3) Threads min. to extended beyond metal thickness
	Steel Stud, 12 GA	All	3/4"	(3) Threads min. to extended beyond metal thickness
	Aluminum 1/8" Thk Min. (6063-T5)	All	3/4"	(3) Threads min. to extended beyond metal thickness
1/4" DIA. Ultracon +	Southern Pine (SG = 0.55)	All	1"	1-3/8"
	Thru 1BY Buck into Concrete/Masonry	Jambs	2-1/2"	1-1/4"
	Thru 1BY Buck into Concrete	Head/Sill	2-1/2"	1"
	Concrete/Masonry	Jambs	2-1/2"	1-1/4"
	Concrete	Head/Sill	2-1/2"	1"

MATERIAL PROPERTIES:

Material	Min. F _y	Min. F _u
1/4" Teks or Self-Drilling Steel Screw, Gr 5	92 ksi	120 ksi
1/4" Hilti Kwik-Con II	157 ksi	163 ksi
1/4" Elco UltraCon	155 ksi	177 ksi
1/4" DeWalt UltraCon+	148 ksi	164 ksi
6063-T5 Aluminum	16 ksi	22 ksi
A36 Steel	36 ksi	58 ksi
Gr. 33 Steel Stud	33 ksi	45 ksi

JAMB ANCHOR SPACING
20" MAX. FOR SHIMS UP TO 1/4".
10" MAX. FOR SHIMS GREATER THAN 1/4" TO 1/2".

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WINDOOR [®] INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD N VENICE, FL 34275 (833) 554-5432		By		A. MORLESIN	
		No.		HR375SMI-FPA	
SERIES "375" ALUM. HORIZONTAL ROLLER RWDW (SMI)		10 OF 16		Sheet	
INSTALATION INTO METAL		HR375		DWG	

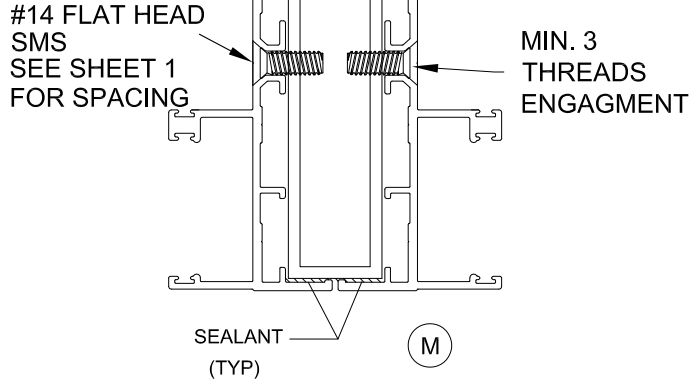


Rev.	10/05/23	Date
NO CHANGES, THIS SHEET. S.B.		

MULLION PERFORMANCE

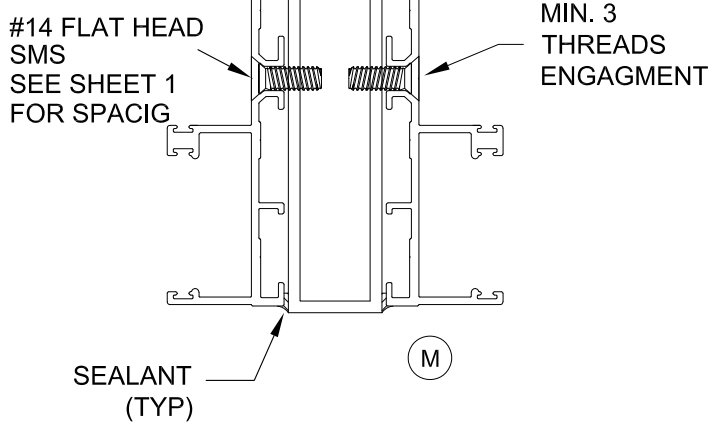
MULLION AT FLANGE WINDOWS

1" x 4" x 1/8" THK. ALUMINUM
TUBE MULLION (6063-T6)
(UNCLIPPED AT ENDS)
(MULL LENGTH = WDW HEIGHT - 1")

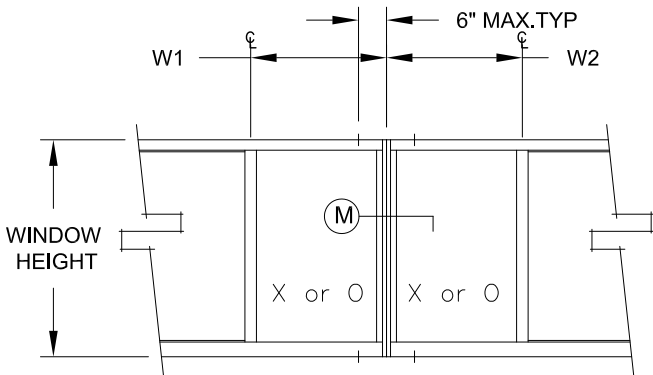


MULLION AT FLANGE WINDOWS

1" x 4" x 1/8" THK. ALUMINUM
TUBE MULLION (6063-T6)
(UNCLIPPED AT ENDS)
(MULL LENGTH = WDW HEIGHT - 1")

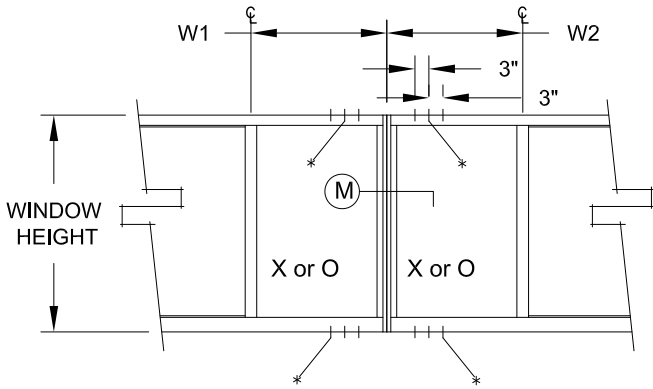


STANDARD INSTALLATION



MULTIPLE OPENING
(2 OR MORE WINDOWS)
w/ 1 SCREW ON EACH SIDE OF MULLION

HIGH LOAD INSTALLATION



MULTIPLE OPENING
(2 OR MORE WINDOWS)
w/ 2 OR 3 SCREWS ON EACH SIDE OF
MULLION
(* = ADDITIONAL HOLES TO BE DRILLED BY
INSTALLER)

TRIBUTARY WIDTH = $\frac{W1 + W2}{2}$

MULLION DESIGN LOAD CAPACITY - PSF		
TRIBUTARY WIDTH	WINDOW HEIGHT	POS.(+) NEG.(-)
24"	54"	210.0
28"		210.0
30"		210.0
32"		210.0
36"		210.0
39"		210.0
40"		210.0
42"		210.0
44"		210.0
46"		210.0
48"		210.0
52"		210.0
24"	60"	210.0
28"		210.0
30"		210.0
32"		210.0
36"		210.0
39"		210.0
40"		210.0
42"		210.0
44"		210.0
46"		210.0
47"		210.0
24"	66"	210.0
28"		210.0
30"		210.0
32"		210.0
36"		210.0
39"		210.0
40"		210.0
42"		210.0

MULLION DESIGN LOAD CAPACITY - PSF		
TRIBUTARY WIDTH	WINDOW HEIGHT	POS.(+) NEG.(-)
24"	72"	210.0
28"		210.0
30"		210.0
32"		210.0
36"		210.0
39"		208.3
24"	76"	210.0
28"		210.0
30"		210.0
32"		206.8
36"		187.5
37"		183.4

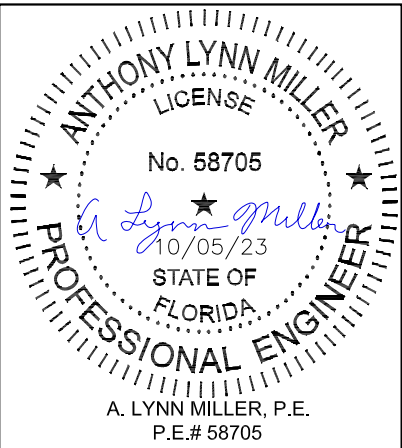
MULLION DESIGN LOAD CAPACITY - PSF		
TRIBUTARY WIDTH	WINDOW HEIGHT	POS.(+) NEG.(-)
18"	38-3/8"	210.0
26-1/2"		210.0
37"		210.0
44"		210.0
56"		210.0
71"		210.0
18"	50-5/8"	210.0
26-1/2"		210.0
37"		210.0
44"		210.0
55"	63"	210.0
18"		210.0
26-1/2"		210.0
37"		210.0
44"	72"	210.0
26-1/2"		210.0
37"		210.0
39"		208.3
18"	76"	210.0
26-1/2"		210.0
37"		183.4

ALL VALUES SHOWN ARE DESIGN PSF (POUNDS PER SQUARE FOOT)

NOTE:
VALUES FROM CHARTS MAY
BE INTERPOLATED BETWEEN SIZES

ALL VALUES SHOWN ARE DESIGN PSF
VALUES FOR POS.(+) LOADS SHOWN ARE FOR
SILL WITH WATERBAR ADAPTER.
FOR WINDOWS WITHOUT WATERBAR ADAPTER
LIMIT POS.(+) LOADS TO 65.0 PSF

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WINDOOR® INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD N. VENICE, FL 34275 (833) 554-5432		SERIES "375" ALUM. HORIZONTAL ROLLER WDW (SMI)		A. MORLESIN	
MULLION DP		11 OF 16		HR375	
HR375SMI-FPA		No. DWG		Date	

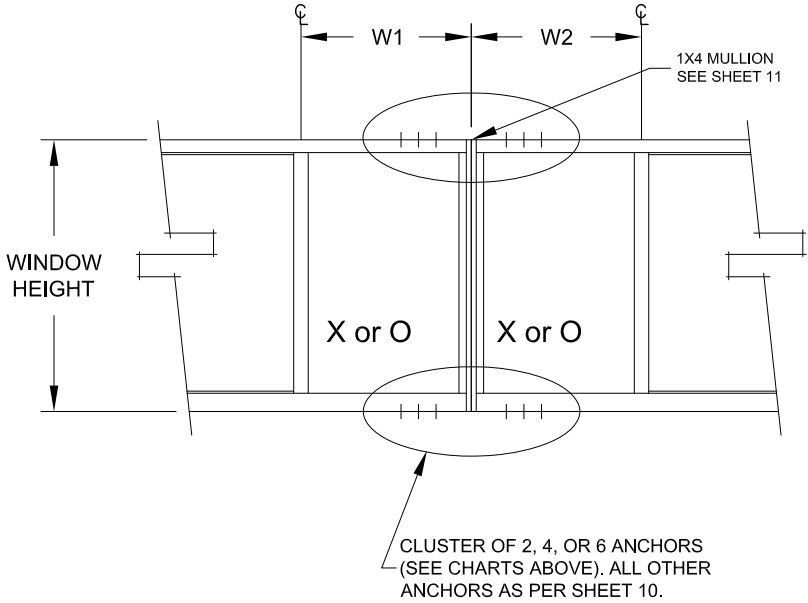


PERFORMANCE VALUES OF UNCLIPPED MULLION ANCHORS POS.(+) & NEG.(-)										
TRIBUTARY WIDTH	WINDOW HEIGHT	1/4" MAX. SHIM SPACE			3/8" MAX. SHIM SPACE			1/2" MAX. SHIM SPACE		
		CLUSTER OF 2	CLUSTER OF 4	CLUSTER OF 6	CLUSTER OF 2	CLUSTER OF 4	CLUSTER OF 6	CLUSTER OF 2	CLUSTER OF 4	CLUSTER OF 6
24"	54"	107.6	210.0	210.0	89.3	178.7	210.0	69.3	138.7	208.0
28"		92.2	184.4	210.0	76.6	153.1	210.0	59.4	118.9	178.3
30"		86.0	172.1	210.0	71.5	142.9	210.0	55.5	110.9	166.4
32"		80.7	161.3	210.0	67.0	134.0	201.0	52.0	104.0	156.0
36"		71.7	143.4	210.0	59.6	119.1	178.7	46.2	92.4	138.7
48"		53.8	107.6	161.3	44.7	89.3	134.0	34.7	69.3	104.0
24"	60"	96.8	193.6	210.0	80.4	160.8	210.0	62.4	124.8	187.2
28"		83.0	165.9	210.0	68.9	137.8	206.7	53.5	107.0	160.5
30"		77.4	154.9	210.0	64.3	128.6	193.0	49.9	99.8	149.8
32"		72.6	145.2	210.0	60.3	120.6	180.9	46.8	93.6	140.4
36"		64.5	129.1	193.6	53.6	107.2	160.8	41.6	83.2	124.8
24"		88.0	176.0	210.0	73.1	146.2	210.0	56.7	113.5	170.2
28"	66"	75.4	150.9	210.0	62.6	125.3	187.9	48.6	97.2	145.9
30"		70.4	140.8	210.0	58.5	116.9	175.4	45.4	90.8	136.1
32"		66.0	132.0	198.0	54.8	109.6	164.5	42.5	85.1	127.6
36"		58.7	117.3	176.0	48.7	97.5	146.2	37.8	75.6	113.5
24"		80.7	161.3	210.0	67.0	134.0	201.0	52.0	104.0	156.0
28"		69.1	138.3	207.4	57.4	114.9	172.3	44.6	89.1	133.7
30"	72"	64.5	129.1	193.6	53.6	107.2	160.8	41.6	83.2	124.8
32"		60.5	121.0	181.5	50.3	100.5	150.8	39.0	78.0	117.0
36"		53.8	107.6	161.3	44.7	89.3	134.0	34.7	69.3	104.0
24"		76.4	152.8	210.0	63.5	126.9	190.4	49.3	98.5	147.8
28"		65.5	131.0	196.5	54.4	108.8	163.2	42.2	84.5	126.7
30"		61.1	122.3	183.4	50.8	101.6	152.3	39.4	78.8	118.2
32"	76"	57.3	114.6	171.9	47.6	95.2	142.8	36.9	73.9	110.8
36"		50.9	101.9	152.8	42.3	84.6	126.9	32.8	65.7	98.5

ALL VALUES SHOWN ARE DESIGN PSF (POUNDS PER SQUARE FOOT)

NOTE:
VALUES FROM CHARTS MAY
BE INTERPOLATED BETWEEN SIZES

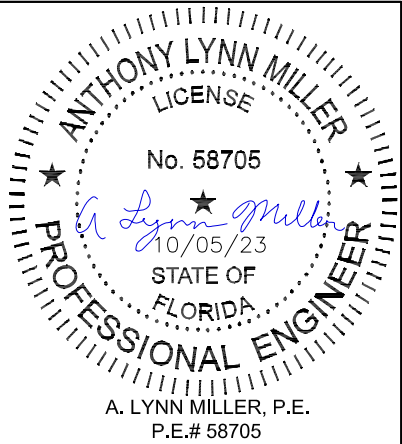
ALL VALUES SHOWN ARE DESIGN PSF
VALUES FOR POS.(+) LOADS SHOWN ARE FOR
SILL WITH WATERBAR ADAPTER.
FOR WINDOWS WITHOUT WATERBAR ADAPTER
LIMIT POS.(+) LOADS TO 65.0 PSF



PERFORMANCE VALUES OF UNCLIPPED MULLION ANCHORS POS.(+) & NEG.(-)										
TRIBUTARY WIDTH	WINDOW HEIGHT	1/4" MAX. SHIM SPACE			3/8" MAX. SHIM SPACE			1/2" MAX. SHIM SPACE		
		CLUSTER OF 2	CLUSTER OF 4	CLUSTER OF 6	CLUSTER OF 2	CLUSTER OF 4	CLUSTER OF 6	CLUSTER OF 2	CLUSTER OF 4	CLUSTER OF 6
18"	38-3/8"	201.8	210.0	210.0	167.6	210.0	210.0	130.1	210.0	210.0
26-1/2'		137.1	210.0	210.0	113.8	210.0	210.0	88.4	176.7	210.0
37"		98.2	196.3	210.0	81.5	163.1	210.0	63.3	126.6	189.9
44"		82.6	165.1	210.0	68.6	137.1	205.7	53.2	106.4	159.6
56"		64.9	129.7	194.6	53.9	107.7	161.6	41.8	83.6	125.4
71"		51.2	102.3	153.5	42.5	85.0	127.5	33.0	66.0	98.9
18"	50-5/8"	153.0	210.0	210.0	127.1	210.0	210.0	98.6	197.2	210.0
26-1/2'		103.9	207.8	210.0	86.3	172.6	210.0	67.0	134.0	200.9
37"		74.4	148.8	210.0	61.8	123.6	185.4	48.0	95.9	143.9
44"		62.6	125.2	187.7	52.0	104.0	155.9	40.3	80.7	121.0
18"	63"	122.9	210.0	210.0	102.1	204.2	210.0	79.2	158.5	210.0
26-1/2'		83.5	167.0	210.0	69.3	138.7	208.0	53.8	107.6	161.5
37"		59.8	119.6	179.4	49.7	99.3	149.0	38.5	77.1	115.6
44"		50.3	100.6	150.9	41.8	83.5	125.3	32.4	64.8	97.2
18"	72"	107.6	210.0	210.0	89.3	178.7	210.0	69.3	138.7	208.0
26-1/2'		73.1	146.1	210.0	60.7	121.4	182.0	47.1	94.2	141.3
37"	76"	52.3	104.6	157.0	43.5	86.9	130.4	33.7	67.5	101.2
18"		101.9	203.8	210.0	84.6	169.3	210.0	65.7	131.4	197.1
26-1/2'		69.2	138.4	207.6	57.5	115.0	172.5	44.6	89.2	133.8
37"		49.6	99.1	148.7	41.2	82.3	123.5	32.0	63.9	95.9

MULLION ANCHORS
ADJACENT TO MULLIONS AT HEAD & SILL
ALL OTHER WINDOW ANCHORS
AS PER SHEETS 8 THRU 11

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		Date	By		
WINDOOR® INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD N VENICE, FL 34275 (833) 554-5432	SERIES "375" ALUM. HORIZONTAL ROLLER WDW (SMI)	12 OF 16		MULLION DP 2	HR375
		DMG No.	Sheet		



Rev. #	10/05/23	Date	Rev.
UPDATE DP WITHOUT WATERBAR ADAPTER. S.B.			

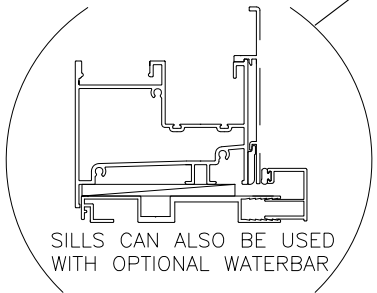
PERFORMANCE VALUES OF ALUMINUM BUCK INSTALLATION ANCHORS POS.(+) & NEG.(-)							
WINDOW DIMS.		ANCHORS AT 16" O.C.			ANCHORS AT 8" O.C.		
WIDTH	HEIGHT	BLOCK	CONC.	WOOD	BLOCK	CONC.	WOOD
36"	36"	160.0	210.0	200.0	210.0	210.0	210.0
48"		128.0	210.0	160.0	192.0	210.0	210.0
56"		101.1	176.8	126.3	176.8	210.0	210.0
60"		91.4	160.0	114.3	160.0	210.0	200.0
64"		104.3	182.6	130.4	167.0	210.0	208.7
72"		88.9	155.6	111.1	160.0	210.0	200.0
80"		92.9	162.6	116.1	154.8	210.0	193.5
84"		87.3	152.7	109.1	145.5	210.0	181.8
88"		82.3	144.0	102.9	150.9	210.0	188.6
96"		86.2	150.8	107.7	147.7	210.0	184.6
108"		74.7	130.7	93.3	138.7	210.0	173.3
112"		81.7	143.0	102.1	143.0	210.0	178.7
117"		77.6	135.8	97.0	145.5	210.0	181.8
126"		80.0	140.0	100.0	142.2	210.0	177.8
144"		76.2	133.3	95.2	137.1	210.0	171.4
36"	48"	128.0	210.0	160.0	192.0	210.0	210.0
48"		120.0	210.0	150.0	180.0	210.0	210.0
56"		90.0	157.5	112.5	157.5	210.0	196.9
60"		80.0	140.0	100.0	140.0	210.0	175.0
64"		90.0	157.5	112.5	144.0	210.0	180.0
72"		75.0	131.3	93.8	135.0	210.0	168.8
80"		77.1	135.0	96.4	128.6	210.0	160.7
84"		72.0	126.0	90.0	120.0	210.0	150.0
88"		67.5	118.1	84.4	123.8	210.0	154.7
96"		70.0	122.5	87.5	120.0	210.0	150.0
108"		60.0	105.0	75.0	111.4	195.0	139.3
112"		65.5	114.5	81.8	114.5	200.5	143.2
117"		61.9	108.4	77.4	116.1	203.2	145.2
126"		63.5	111.2	79.4	112.9	197.6	141.2
144"		60.0	105.0	75.0	108.0	189.0	135.0
36"	54"	106.7	186.7	133.3	186.7	210.0	210.0
48"		96.0	168.0	120.0	168.0	210.0	210.0
56"		88.3	154.5	110.3	154.5	210.0	193.1
60"		77.6	135.8	97.0	135.8	210.0	169.7
64"		86.5	151.4	108.1	138.4	210.0	173.0
72"		71.1	124.4	88.9	128.0	210.0	160.0
80"		72.5	126.8	90.6	120.8	210.0	150.9
84"		67.4	117.9	84.2	112.3	196.5	140.4
88"		63.0	110.2	78.7	115.4	202.0	144.3
96"		64.9	113.6	81.2	111.3	194.8	139.1
108"		55.3	96.8	69.1	102.7	179.8	128.4
112"		60.2	105.4	75.3	105.4	184.5	131.8
117"		56.9	99.6	71.1	106.7	186.7	133.3
126"		58.2	101.8	72.7	103.4	181.0	129.3
144"		54.7	95.7	68.4	98.5	172.3	123.1
36"	60"	91.4	160.0	114.3	160.0	210.0	200.0
48"		80.0	140.0	100.0	140.0	210.0	175.0
56"		77.1	135.0	96.4	135.0	210.0	168.8
60"		76.8	134.4	96.0	134.4	210.0	168.0
64"		76.8	134.4	96.0	134.4	210.0	168.0
72"		68.6	120.0	85.7	123.4	210.0	154.3
80"		69.1	121.0	86.4	115.2	201.6	144.0
84"		64.0	112.0	80.0	106.7	186.7	133.3
88"		59.6	104.3	74.5	109.2	191.2	136.6
96"		61.1	106.9	76.4	104.7	183.3	130.9
108"		51.7	90.5	64.6	96.0	168.0	120.0
112"		56.2	98.3	70.2	98.3	172.1	122.9
117"		53.0	92.7	66.2	99.3	173.8	124.1
126"		54.0	94.5	67.5	96.0	168.0	120.0

PERFORMANCE VALUES OF ALUMINUM BUCK INSTALLATION ANCHORS POS.(+) & NEG.(-)							
WINDOW DIMS.		ANCHORS AT 16" O.C.			ANCHORS AT 8" O.C.		
WIDTH	HEIGHT	BLOCK	CONC.	WOOD	BLOCK	CONC.	WOOD
36"	66"	100.0	175.0	125.0	160.0	210.0	200.0
48"		85.7	150.0	107.1	137.1	210.0	171.4
56"		81.2	142.1	101.5	129.9	210.0	162.4
60"		76.8	134.4	96.0	128.0	210.0	160.0
64"		79.4	139.0	99.3	127.1	210.0	158.8
72"		67.1	117.5	83.9	120.8	210.0	151.0
80"		66.8	117.0	83.6	111.4	195.0	139.3
84"		61.6	107.8	77.0	102.7	179.7	128.3
88"		57.1	100.0	71.4	104.7	183.3	130.9
96"		58.2	101.8	72.7	99.7	174.5	124.7
108"		48.9	85.5	61.1	90.8	158.8	113.5
112"		53.0	92.8	66.3	92.8	162.4	116.0
117"		49.9	87.3	62.3	93.5	163.6	116.9
36"	72"	88.9	155.6	111.1	160.0	210.0	200.0
48"		75.0	131.3	93.8	135.0	210.0	168.8
56"		70.1	122.7	87.7	126.2	210.0	157.8
60"		68.6	120.0	85.7	123.4	210.0	154.3
64"		67.5	118.1	84.4	121.5	210.0	151.9
72"		66.7	116.7	83.3	120.0	210.0	150.0
80"		65.5	114.5	81.8	109.1	190.9	136.4
84"		60.0	105.0	75.0	100.0	175.0	125.0
88"		55.4	96.9	69.2	101.5	177.7	126.9
96"		56.0	98.0	70.0	96.0	168.0	120.0
108"		46.7	81.7	58.3	86.7	151.7	108.3
112"		50.5	88.4	63.2	88.4	154.7	110.5
36"	76"	82.8	144.8	103.4	149.0	210.0	186.2
48"		69.2	121.2	86.5	124.6	210.0	155.8
56"		64.3	112.5	80.4	115.7	202.5	144.6
60"		62.6	109.6	78.3	112.7	197.2	140.9
64"		61.4	107.4	76.7	110.5	193.3	138.1
72"		60.0	105.0	75.0	108.0	189.0	135.0
80"		59.8	104.7	74.8	107.7	188.5	134.6
84"		59.3	103.8	74.1	98.9	173.0	123.6
88"		54.6	95.5	68.2	100.0	175.1	125.1
96"		54.9	96.0	68.6	94.1	164.6	117.6
108"		45.5	79.6	56.8	84.5	147.8	105.6

NOTE:
VALUES FROM CHARTS MAY
BE INTERPOLATED BETWEEN SIZES

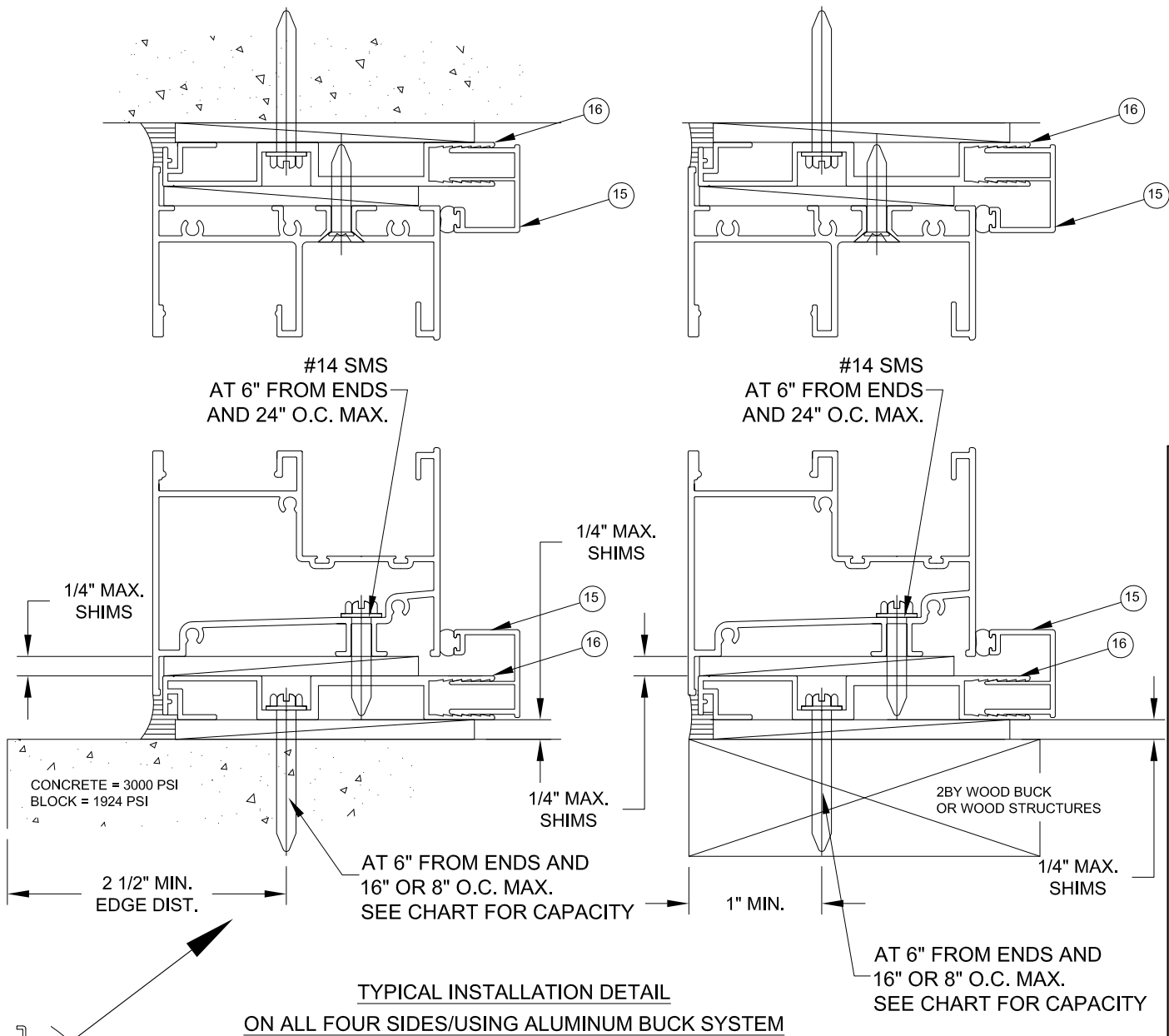
ALL VALUES SHOWN ARE DESIGN PSF
VALUES FOR POS.(+) LOADS SHOWN ARE FOR
SILL WITH WATERBAR ADAPTER.
FOR WINDOWS WITHOUT WATERBAR ADAPTER
LIMIT POS.(+) LOADS TO 65.0 PSF

ALL VALUES SHOWN ARE DESIGN PSF (POUNDS PER SQUARE FOOT)

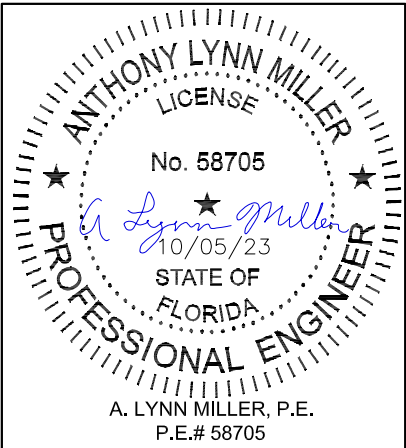


ALUMINUM BUCK FRAMING DETAILS

REFER TO SHEETS 5 & 8 FOR WINDOW CAPACITIES
USE LOWER APPLICABLE VALUES.



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WINDOOR® INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD N VENICE, FL 34275 (833) 554-5432		SERIES "375" ALUM. HORIZONTAL ROLLER WDW (SMI)		A. MORLESIN	
ALUMINUM BUCK DP 1		13 OF 16		HR375	
HR375		HR375SMI-FPA		HR375SMI-FPA	



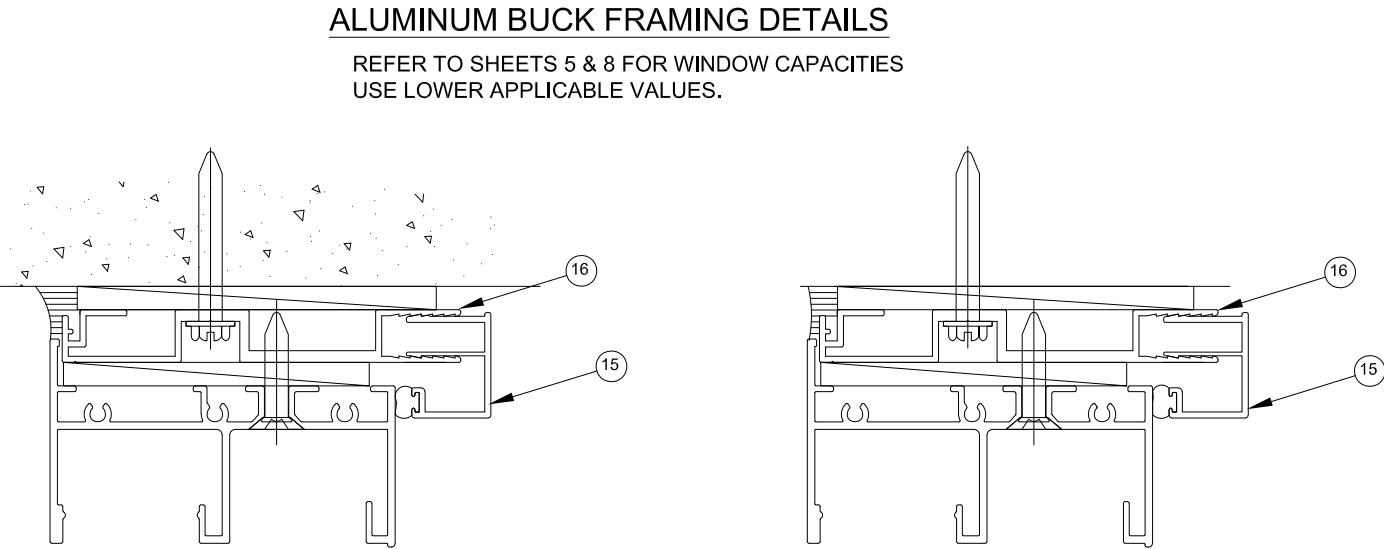
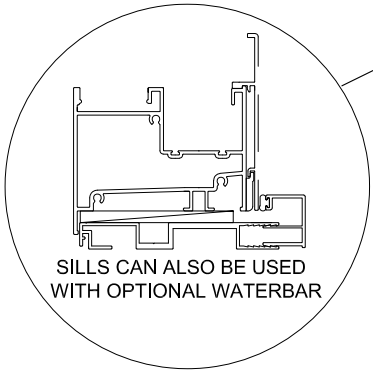
Rev. #	10/05/23	A
Date		
Rev.	UPDATE DP WITHOUT WATERBAR ADAPTER. S.B.	

PERFORMANCE VALUES OF ALUMINUM BUCK INSTALLATION ANCHORS POS.(+) & NEG.(-)							
WINDOW DIMS.		ANCHORS AT 16" O.C.			ANCHORS AT 8" O.C.		
WIDTH	HEIGHT	BLOCK	CONC.	WOOD	BLOCK	CONC.	WOOD
26-1/2"	38-3/8"	155.7	210.0	194.6	210.0	210.0	210.0
53-1/8"		106.1	185.8	132.7	185.8	210.0	210.0
79-11/16"		89.3	156.3	111.6	148.9	210.0	186.1
106-1/4"		72.4	126.7	90.5	134.5	210.0	168.1
111"		78.5	137.3	98.1	137.3	210.0	171.7
119-1/4"	50-5/8"	72.0	126.0	90.0	135.0	210.0	168.8
159-3/8"		70.7	123.7	88.3	128.5	210.0	160.6
26-1/2"		139.6	210.0	174.5	209.4	210.0	210.0
53-1/8"		98.2	171.8	122.7	161.8	210.0	202.3
79-11/16"		75.3	131.8	94.2	125.5	210.0	156.9
106-1/4"	63"	59.0	103.3	73.8	109.6	191.9	137.1
111"		63.7	111.5	79.7	111.5	195.2	139.4
119-1/4"		58.1	101.7	72.7	109.0	190.8	136.3
159-3/8"		56.0	98.0	70.0	101.8	178.2	127.3
26-1/2"		131.1	210.0	163.8	209.7	210.0	210.0
53-1/8"	72"	89.3	156.2	111.6	142.8	210.0	178.5
79-11/16"		68.3	119.5	85.4	113.8	199.2	142.3
106-1/4"		51.4	89.9	64.2	95.4	167.0	119.3
111"		55.2	96.6	69.0	96.6	169.1	120.8
119-1/4"		50.0	87.5	62.5	93.8	164.1	117.2
26-1/2"	76"	111.0	194.2	138.7	199.8	210.0	210.0
53-1/8"		71.6	125.3	89.5	128.9	210.0	161.1
79-11/16"		65.9	115.4	82.4	109.9	192.3	137.3
106-1/4"		47.8	83.7	59.8	88.8	155.4	111.0
111"		51.2	89.6	64.0	89.6	156.8	112.0
26-1/2"		103.9	181.9	129.9	187.0	210.0	210.0
53-1/8"		65.8	115.1	82.2	118.4	207.3	148.0
79-11/16"		59.8	104.7	74.8	107.7	188.5	134.6
106-1/4"		46.6	81.6	58.3	86.6	151.6	108.3
111"		49.8	87.2	62.3	87.2	152.6	109.0

ALL VALUES SHOWN ARE DESIGN PSF (POUNDS PER SQUARE FOOT)

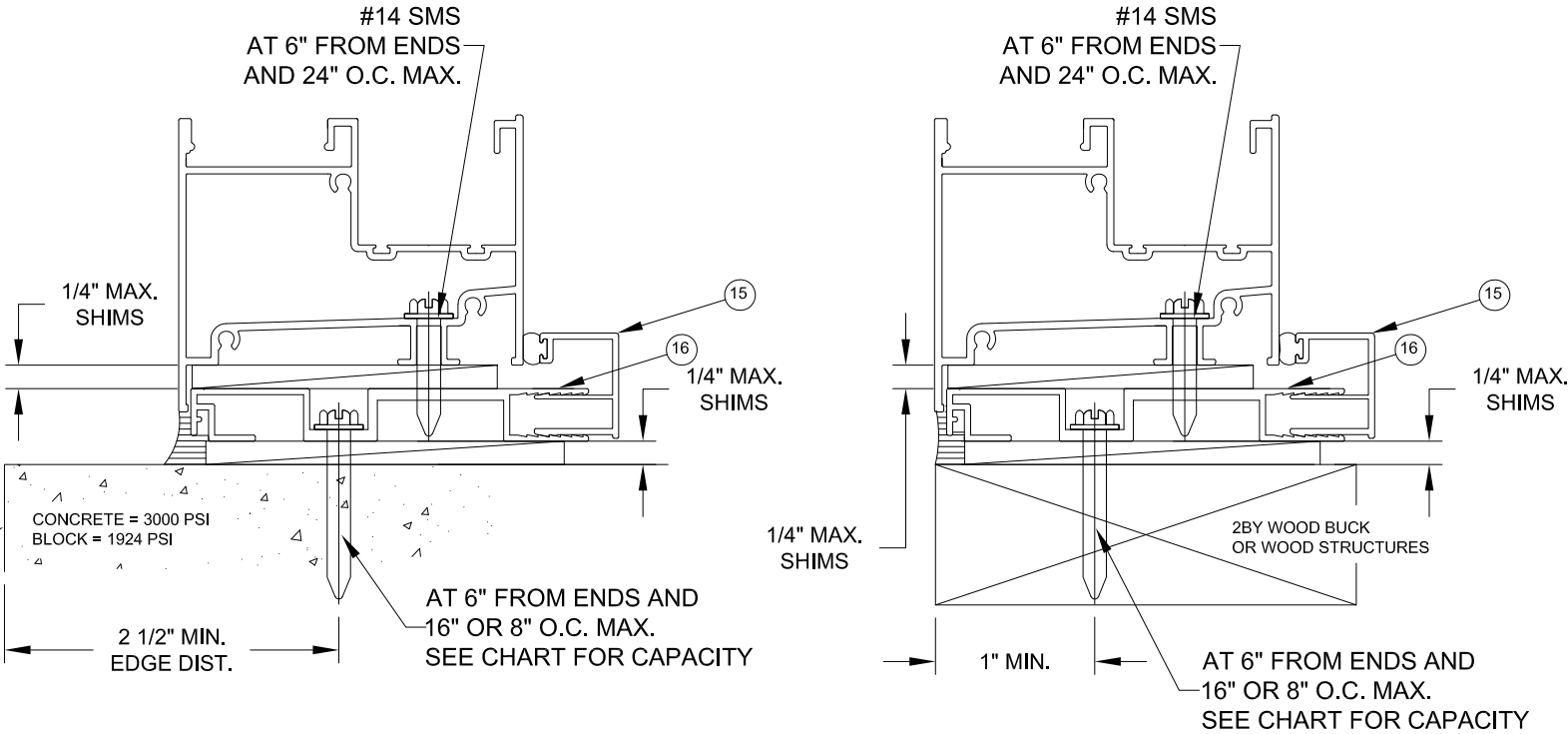
NOTE:
VALUES FROM CHARTS MAY
BE INTERPOLATED BETWEEN SIZES

ALL VALUES SHOWN ARE DESIGN PSF
VALUES FOR POS.(+) LOADS SHOWN ARE FOR
SILL WITH WATERBAR ADAPTER.
FOR WINDOWS WITHOUT WATERBAR ADAPTER
LIMIT POS.(+) LOADS TO 65.0 PSF



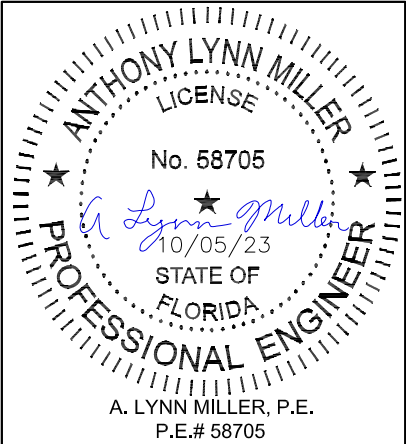
ALUMINUM BUCK FRAMING DETAILS

REFER TO SHEETS 5 & 8 FOR WINDOW CAPACITIES
USE LOWER APPLICABLE VALUES.



TYPICAL INSTALLATION DETAIL
ON ALL FOUR SIDES/USING ALUMINUM BUCK SYSTEM

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WINDOOR® INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD N VENICE, FL 34275 (833) 554-5432		SERIES "375" ALUM. HORIZONTAL ROLLER WDW (SMI)		A. MORLESIN	
ALUMINUM BUCK DP 2		14 OF 16		HR375SMI-FPA	
HR375		Sheet		Dwg	
No.		By		Date	



Rev.	10/05/23	A
Date		
Rev.	UPDATE DP WITHOUT WATERBAR. S.B.	

PERFORMANCE VALUES OF ALUMINUM BUCK ANCHORS AT MULLION JOINTS POS.(+) & NEG.(-)										
TRIBUTARY WIDTH	WINDOW HEIGHT	ANCHORS INTO BLOCK			ANCHORS INTO CONCRETE			ANCHORS INTO WOOD		
		CLUSTER OF 2	CLUSTER OF 4	CLUSTER OF 6	CLUSTER OF 2	CLUSTER OF 4	CLUSTER OF 6	CLUSTER OF 2	CLUSTER OF 4	CLUSTER OF 6
24"	54"	53.3	106.7	160.0	93.3	186.7	210.0	66.7	133.3	200.0
28"		45.7	91.4	137.1	80.0	160.0	210.0	57.1	114.3	171.4
32"		40.0	80.0	120.0	70.0	140.0	210.0	50.0	100.0	150.0
36"		35.6	71.1	106.7	62.2	124.4	186.7	44.4	88.9	133.3
39"		32.8	65.6	98.5	57.4	114.9	172.3	41.0	82.1	123.1
40"		32.0	64.0	96.0	56.0	112.0	168.0	40.0	80.0	120.0
42"		30.5	61.0	91.4	53.3	106.7	160.0	38.1	76.2	114.3
44"		29.1	58.2	87.3	50.9	101.8	152.7	36.4	72.7	109.1
46"		27.8	55.7	83.5	48.7	97.4	146.1	34.8	69.6	104.3
48"		26.7	53.3	80.0	46.7	93.3	140.0	33.3	66.7	100.0
52"		24.6	49.2	73.8	43.1	86.2	129.2	30.8	61.5	92.3
24"	60"	48.0	96.0	144.0	84.0	168.0	210.0	60.0	120.0	180.0
28"		41.1	82.3	123.4	72.0	144.0	210.0	51.4	102.9	154.3
32"		36.0	72.0	108.0	63.0	126.0	189.0	45.0	90.0	135.0
36"		32.0	64.0	96.0	56.0	112.0	168.0	40.0	80.0	120.0
39"		29.5	59.1	88.6	51.7	103.4	155.1	36.9	73.8	110.8
40"		28.8	57.6	86.4	50.4	100.8	151.2	36.0	72.0	108.0
42"		27.4	54.9	82.3	48.0	96.0	144.0	34.3	68.6	102.9
44"		26.2	52.4	78.5	45.8	91.6	137.5	32.7	65.5	98.2
46"		25.0	50.1	75.1	43.8	87.7	131.5	31.3	62.6	93.9
24"	66"	43.6	87.3	130.9	76.4	152.7	210.0	54.5	109.1	163.6
28"		37.4	74.8	112.2	65.5	130.9	196.4	46.8	93.5	140.3
32"		32.7	65.5	98.2	57.3	114.5	171.8	40.9	81.8	122.7
36"		29.1	58.2	87.3	50.9	101.8	152.7	36.4	72.7	109.1
39"		26.9	53.7	80.6	47.0	94.0	141.0	33.6	67.1	100.7
40"		26.2	52.4	78.5	45.8	91.6	137.5	32.7	65.5	98.2
42"		24.9	49.9	74.8	43.6	87.3	130.9	31.2	62.3	93.5
24"	72"	40.0	80.0	120.0	70.0	140.0	210.0	50.0	100.0	150.0
28"		34.3	68.6	102.9	60.0	120.0	180.0	42.9	85.7	128.6
32"		30.0	60.0	90.0	52.5	105.0	157.5	37.5	75.0	112.5
36"		26.7	53.3	80.0	46.7	93.3	140.0	33.3	66.7	100.0
39"		24.6	49.2	73.8	43.1	86.2	129.2	30.8	61.5	92.3
24"	76"	37.9	75.8	113.7	66.3	132.6	198.9	47.4	94.7	142.1
28"		32.5	65.0	97.4	56.8	113.7	170.5	40.6	81.2	121.8
32"		28.4	56.8	85.3	49.7	99.5	149.2	35.5	71.1	106.6
36"		25.3	50.5	75.8	44.2	88.4	132.6	31.6	63.2	94.7

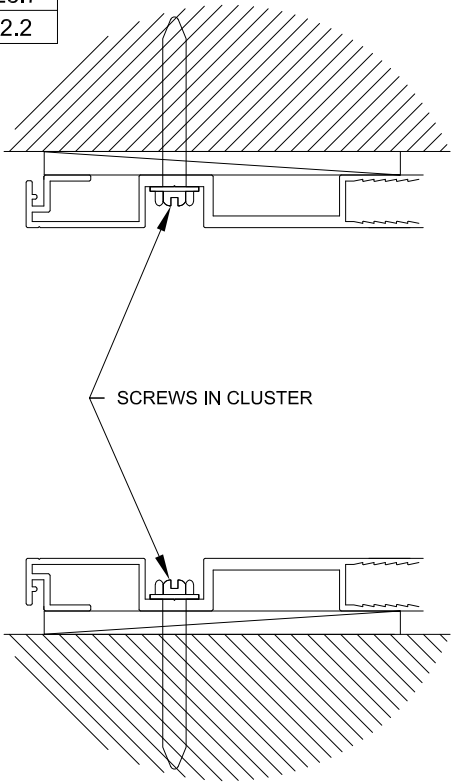
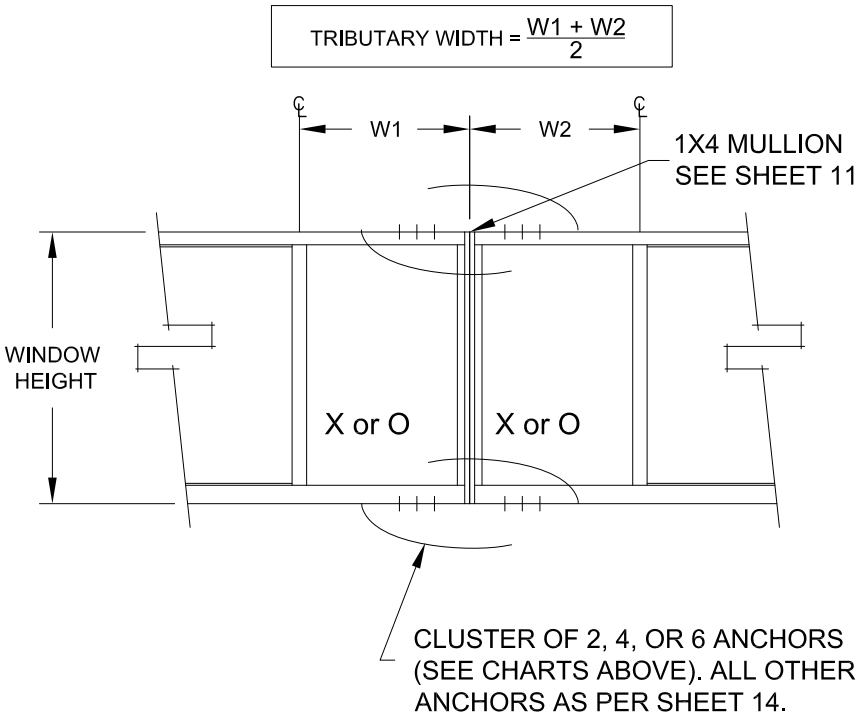
ALL VALUES SHOWN ARE DESIGN PSF (POUNDS PER SQUARE FOOT)

NOTE:
ALUMINUM BUCKS ARE SUPPLIED WITH
CLUSTER OF 2 (1 SCREW HOLE PER SIDE) STANDARD.
EXTRA HOLES MUST BE FIELD DRILLED IF REQUIRED.

ALL VALUES SHOWN ARE DESIGN PSF
VALUES FOR POS.(+) LOADS SHOWN ARE FOR
SILL WITH WATERBAR ADAPTER.
FOR WINDOWS WITHOUT WATERBAR ADAPTER
LIMIT POS.(+) LOADS TO 65.0 PSF

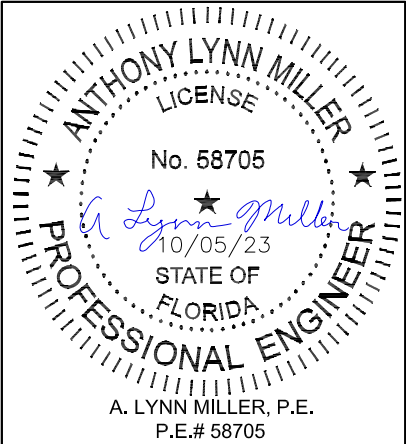
VALUES FROM CHARTS MAY
BE INTERPOLATED BETWEEN SIZES

PERFORMANCE VALUES OF ALUMINUM BUCK ANCHORS AT MULLION JOINTS POS.(+) & NEG.(-)										
TRIBUTARY WIDTH	WINDOW HEIGHT	ANCHORS INTO BLOCK			ANCHORS INTO CONCRETE			ANCHORS INTO WOOD		
		CLUSTER OF 2	CLUSTER OF 4	CLUSTER OF 6	CLUSTER OF 2	CLUSTER OF 4	CLUSTER OF 6	CLUSTER OF 2	CLUSTER OF 4	CLUSTER OF 6
18"	38-3/8"	100.1	200.1	210.0	175.1	210.0	210.0	125.1	210.0	210.0
26-1/2'		68.0	135.9	203.9	118.9	210.0	210.0	85.0	169.9	210.0
37"		48.7	97.4	146.0	85.2	170.4	210.0	60.9	121.7	182.6
44"		40.9	81.9	122.8	71.6	143.3	210.0	51.2	102.3	153.5
56"		32.2	64.3	96.5	56.3	112.6	168.9	40.2	80.4	120.6
71"		25.4	50.7	76.1	44.4	88.8	133.2	31.7	63.4	95.1
18"	50-5/8"	75.9	151.7	210.0	132.7	210.0	210.0	94.8	189.6	210.0
26-1/2'		51.5	103.0	154.6	90.2	180.3	210.0	64.4	128.8	193.2
37"		36.9	73.8	110.7	64.6	129.2	193.7	46.1	92.3	138.4
44"		31.0	62.1	93.1	54.3	108.6	162.9	38.8	77.6	116.4
18"	63"	61.0	121.9	182.9	106.7	210.0	210.0	76.2	152.4	210.0
26-1/2'		41.4	82.8	124.2	72.5	144.9	210.0	51.8	103.5	155.3
37"		29.7	59.3	89.0	51.9	103.8	155.7	37.1	74.1	111.2
44"		24.9	49.9	74.8	43.6	87.3	130.9	31.2	62.3	93.5
18"	72"	53.3	106.7	160.0	93.3	186.7	210.0	66.7	133.3	200.0
26-1/2'		36.2	72.5	108.7	63.4	126.8	190.2	45.3	90.6	135.8
37"		25.9	51.9	77.8	45.4	90.8	136.2	32.4	64.9	97.3
18"	76"	50.5	101.1	151.6	88.4	176.8	210.0	63.2	126.3	189.5
26-1/2'		34.3	68.6	103.0	60.1	120.1	180.2	42.9	85.8	128.7
37"		24.6	49.2	73.7	43.0	86.0	129.0	30.9	61.5	92.2



ALUMINUM BUCK ANCHORS
ADJACENT TO MULLIONS AT HEAD & SILL
ALL OTHER ALUMINUM BUCK ANCHORS
AS PER SHEET 13

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WINDOOR® INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD N VENICE, FL 34275 (833) 554-5432		SERIES "375" ALUM. HORIZONTAL ROLLER WDW (SMI)		A. MORLESIN	
MULLION DP 1		15 OF 16		HR375SMI-FPA	
HR375		No. DWG		By	



Rev. #	10/05/23	Date	Rev.
UPDATE DP WITHOUT WATERBAR ADAPTER. S.B.		A	

1-FLANGE FRAME HEAD

2-EQUAL LEG FRAME HEAD

8-SCREEN ADAPTOR

13-GLAZING BEAD

3-FRAME HEAD SILL

4-EQUIAL LEG FRAME SILL

16-GLAZING BEAD

14-WATERBAR

5-FLANGE FRAME JAMB

6-EQUAL LEG FRAME JAMB

7-REINFORCEMENT

9-SQUARE LOCK STILE

10-SQUARE FIXED INTERLOCK

11-SQ. OPERABLE INTERLOCK

12-SQUARE TOP/BOTTOM RAIL

15-COVER

16-ALUM. BUCK

ITEM	PART #	DESCRIPTION	MATERIAL
1	CGI-650	FLANGE FRAME HEAD	6063-T6
2	CGI-656	EQUAL LEG FRAME HEAD	6063-T6
3	CGI-651	FRAME HEAD SILL	6063-T6
4	CGI-657	EQUAL LEG FRAME SILL	6063-T6
5	CGI-652	FLANGE FRAME JAMB	6063-T6
6	CGI-658	EQUAL LEG FRAME JAMB	6063-T6
7	CGI-655	REINFORCEMENT	6063-T6
8	CGI-654	SCREEN ADAPTOR	6063-T5
9	CGI-625	SQUARE LOCK STILE	6063-T6
10	CGI-626	SQUARE FIXED INTERLOCK	6063-T6
11	CGI-627	SQUARE OPERABLE INTERLOCK	6063-T6
12	CGI-628	SQUARE TOP/BOTTOM RAIL	6063-T6
13	CGI-629	GLAZING BEAD	6063-T6
14	CGI-653	WATERBAR	6063-T5
15	-	OPTIONAL COVER	6063-T6
16	-	ALUMINUM BUCK	6063-T6
17	CGI-614C	TIE DOWN BLOCK W/ (2) #10 X 3/4" FH SMS INTO VENT & (3) #8 X 1" FH SMS INTO FRAME	ZINC
18	CGI-684	ROLLER TRACK INSERT	PVC
19	CGI-680	QUAD ROLLER W/ (1) #5 X 1/2" FH SMS	NYLON
20	CGI-683	WATERBAR CLIP W/ #10 X 3/4" FH SMS	NYLON
21	CGI-612P	INTERLOCK SNUBBER	PVC
22	CGI-681	VENT END CLIP ATTACHED W/ (30)	NYLON
23	CGI-685	OP. VENT BOTTOM CLIP ATTACHED W/ (30)	NYLON
24	CGI-382V	VINYL BULB	PVC
25	W2301NG	WOOL PILE WITH CENTER SOFT FIN (GRAY)	PILE
26	CGI-615C & 616C	EGRESS LOCK AND PULL W/ (2) #8 X 5/8" FH SMS	ZINC
27	CGI-682	SELF CLOSING LOCK W/ (2) #8 X 3/4" FH SMS	ZINC
28	HI-FLO WEEPER	WEEP HOLE COVER	NYLON
29	-	FRAME SCREWS #10 X 1-1/4" PH SMS	S/S
30	-	VENT SCREWS #10 X 1-1/4" PH SMS	S/S
31	GE-2000	LOW MODULUS SEALANT @ FRAME JOINTS	SILICONE
32	CGI-686	ACCESS HOLE COVER (w/DRAIN PROVISION) MIN. AT 1 AT EACH SILL INSTALL. SCREW	NYLON
33	-	WATERBAR SCREWS AT 25" O.C. MAX. #6 X 1/4" PH SMS	S/S
34	-	SETTING BLOCK DUROMETER 85+-5	EPDM

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

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104 TRIPLE DIAMOND BLVD
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(833) 554-5432

SERIES "375" ALUM. HORIZONTAL ROLLER WDW
(SMI)

By
A. MORLESIN

No.
16 OF 16

Sheet
HR375

10/05/23

Date

Rev.
A

10/05/23

Date

NO CHANGES, THIS SHEET, S.B.

ANTHONY LYNN MILLER
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No. 58705
10/05/23
STATE OF
FLORIDA
A. LYNN MILLER, P.E.
P.E.# 58705