Engineering Evaluation Report #410-012523-02

Prepared by:
A. Lynn Miller, P.E.
1070 Technology Dr.
N. Venice, FL 34275
(941) 480-1600
Registration Number: #29296

Manufacturer:
WinDoor Incorporated
104 Triple Diamond Blvd.
North Venice, FL 34275
(833) 554-5432

Product Description:
PW 410 Series Aluminum SMI HVHZ Fixed Window – FL15709

Compliance:
The above-mentioned product has been evaluated for compliance with the requirements of the Florida Department of Business and Professional Regulation for Statewide Acceptance per Rule 61 G20-3.005 method 1(d). The product listed herein complies with requirements of the current Florida Building Code.

Supporting Technical Documentation:
1. Approval Document: drawing number PW410SMI-FPA, signed and sealed by A. Lynn Miller, P.E.

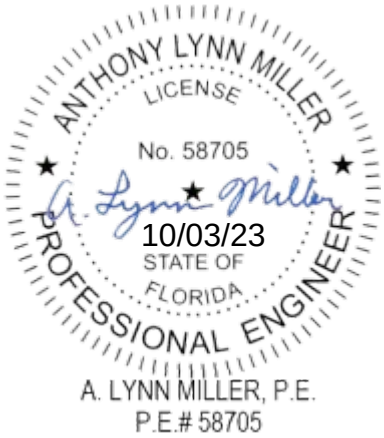
2. Test Report FTL-19-8916, dated 04/10/19, FTL-19-8917, dated 04/19/19 prepared by Fenestration Testing, Inc., signed and sealed by Idalmis Ortega P.E.; Testing Standards: TAS 201-94, TAS 202-94 & TAS 203-94

3. Test Report CTLA-2056 WA, B and C dated 03/03/15and 04/16/15, prepared by Certified Test Laboratories, signed and sealed by Ramesh C. Patel. P.E.; Testing Standards: TAS 201-94, TAS 202-94 & TAS 203-94

4. Test Report HTL-0080-0504-08, dated 11/13/08, prepared by Hurricane Test Laboratory, signed and sealed by Vinu J. Abraham, P.E.; Testing Standards: TAS 201-94, TAS 202-94 & TAS 203-94

5. Anchor Calculations and Structural Analysis, dated 08/29/17, prepared by Al-Farooq Corporation, and signed and sealed by Javad Ahmad, P.E.

Limitations and Conditions of use:
- Units must be glazed per ASTM E1300-04/09, refer to approval document for glazing details.
- This product is rated to be used in the HVHZ.
- This product is small missile impact resistant and does not require impact protection in wind borne debris regions when installed above 30’ height.
- Units must be installed in accordance with Approval Document.



SERIES 410 FIXED WINDOWS - SMALL MISSILE

1) APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF F/A-F/A, OR F/A "MOW" WITH OTHER FLORIDA PRODUCT APPROVED WINDOWS.

2) APPROVED WINDOWS USING FLORIDA PRODUCT APPROVED MULLIONS IN BETWEEN.

3) LOWER DESIGN PRESSURE FROM WINDOW OR MULLION APPROVAL SHALL APPLY TO ENTIRE SYSTEM.

4) THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

5) 10Y OR 20Y WOOD SCREWS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

6) 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.

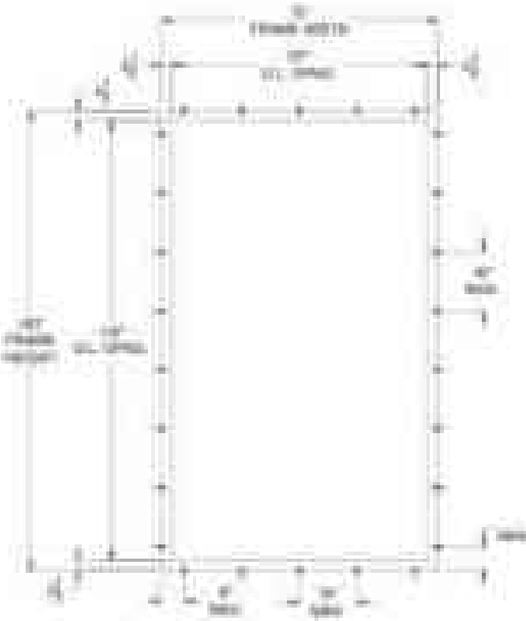
7) A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY ALL SKINS TO BE HIGH IMPACT, NON METALLIC AND NON-COMPRESSIBLE.

8) MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE & ADOPTED STANDARDS.

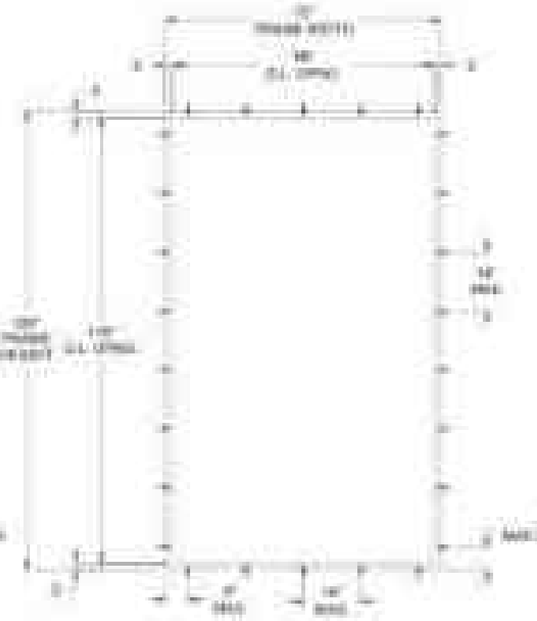
9) THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.

10) CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY AND TO BE REVIEWED BY BUILDING OFFICIAL.

11) ALL TEMPERED AND LAMINATED GLASS OPTIONS IN THIS APPROVAL HAVE BEEN CERTIFIED BY THE IGCC FOR COMPLIANCE TO ANSI Z97.1, CLASS A AND CPSC 16 CFR 1201, CATEGORY II. THIS INCLUDES LAMINATED GLASS THAT IS MANUFACTURED WITH ANNEALED GLASS PLIES. FOR APPLICATIONS WHERE THE WINDOW IS BEING USED AS A GUARD, ONLY FT LAMINATED GLASS MUST BE USED.



TYPICAL ELEVATION
FLANGE FRAME



TYPICAL ELEVATION
EQUAL LEG FRAME

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 2 AND 3.
FOR INSTALLATION ANCHOR TYPES SEE SHEETS 4 & 5.

STEP 3 IF ALUMINUM BUCKS ARE USED, VERIFY THE BUCK INSTALLATION CAPACITY FROM SHEET 5.

STEP 4 FOR UNEQUAL MULLED WINDOWS DETERMINE MULLION CAPACITY FOR D+ AND D- LOADS FROM CHARTS ON SHEETS 6 & 9.

STEP 5 FOR MULLION ANCHOR CAPACITY SEE CHART ON SHEET 7.

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 PRODUCT APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE.
SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

WINDOOR

ANTHONY LYNN MILLER
LICENSE
No. 38726
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
FL# 38726

A	12/2/23	PER COMMENTS	

SERIES 410 FIXED WINDOW (HVHZ)
ELEVATION & GENERAL NOTES
J.A. MOSLEY
PRINTED: 11-20-23
DRAWN: RWM

Design Load Capacity (lbs/ft2)

Anchor Option 1	Max Span (ft-in)	Window Size: Width (in)																			
		36		42		48		54		60		66		72		78		84		90	
Window Height (in)	42	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	54	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	60	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	64	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	72	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	78	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	84	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	90	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	96	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	102	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	108	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	114	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	120	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0

Design Load Capacity (lbs/ft2)

Anchor Option 2	Max Span (ft-in)	Window Size: Width (in)																			
		36		42		48		54		60		66		72		78		84		90	
Window Height (in)	42	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	54	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	60	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	64	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	72	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	78	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	84	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	90	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	96	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	102	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	108	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	114	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	120	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0

NOTES:
1. GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (2 SEC. GUSTS).
2. FOR ANCHOR OPTIONS, SEE SHEETS 4 & 5.

NOTE:
LONG AND SHORT DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN



WINDOOR

SERIES "A" ALUM. FIXED WINDOW

COMPLIANCE CAPACITY CALCULATED

GLASS

PART

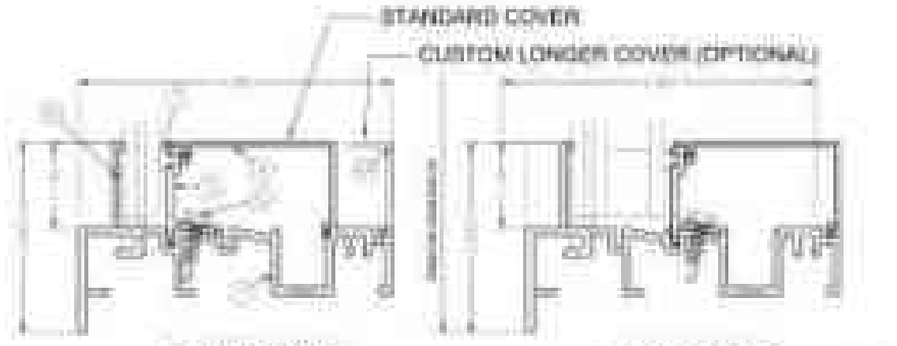
SHEET 2 OF 11

10/2023

ANTHONY LYNN MILLER
License
No. 86705
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

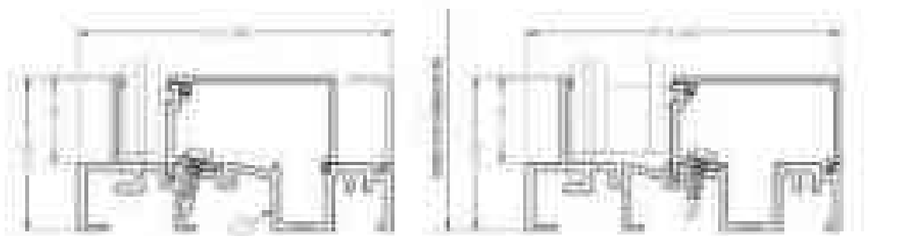
AVAILABLE FRAME TYPES

SAME FRAME USED IN ALL SIDES



FLANGE FRAME
LAMINATED GLASS

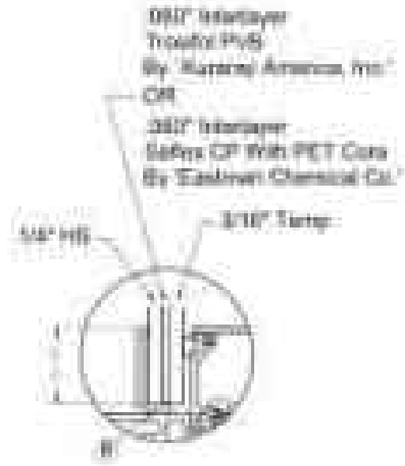
FLANGE FRAME
INSULATED LAMINATED GLASS



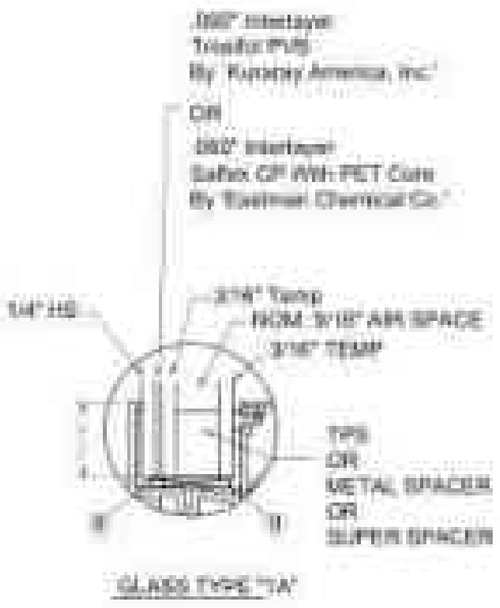
EQUAL LEG FRAME
LAMINATED GLASS

EQUAL LEG FRAME
INSULATED LAMINATED GLASS

GLASS TYPES AVAILABLE



GLASS TYPE "I"



GLASS TYPE "A"

WINDOOR	GLASS FRAMES TYPES
SERIES 101P ALUM. HORIZ. SLIDING WINDOW AND DOOR	
DRAWN:	CHECKED:
DATE: 11-30-15	SCALE:
JOB NO.	SHEET NO.

ANTHONY LYNN MILLER
LICENSE
No. 38726
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E. # 38726

TYPICAL ANCHORS ALSO SEE NEXT SHEET, SEE ELEV FOR SPACING

Anchor Type	Description	Substrate	Frame Members	Min. Edge Distance	Min. Embedment or Metal Thickness
A	1/4" Dia. Hex Lag Screw	Into 2SY Wood Buck or Wood Structure	All	1"	1-1/2"
		Thru 1SY Buck into Concrete	All	2-1/2"	1-3/8"
		Thru 1SY Buck into Hollow Block	All	2-1/2"	1-1/4"
B	1/4" Dia. Ultracon	Into 2SY Wood Buck or Wood Structure	All	1"	1-1/2"
		Thru 1SY Buck into Concrete	All	2-1/2"	1-1/4"
		Thru 1SY Buck into Hollow Block	All	2-1/2"	1-3/4"
B+	1/4" Dia. Ultracon	Into 2SY Wood Buck or Wood Structure	All	1"	1"
		Thru 1SY Buck into Concrete	All	2-1/2"	1"
		Thru 1SY Buck into Hollow Block	All	2-1/2"	1-3/8"
C	5/16" Dia. Ultracon	Into 2SY Wood Buck or Wood Structure	All	1-1/4"	1-7/8"
		Thru 1SY Buck into Concrete	All	3-1/8"	1-1/2"
		Thru 1SY Buck into Hollow Block	All	3-1/8"	1-1/4"

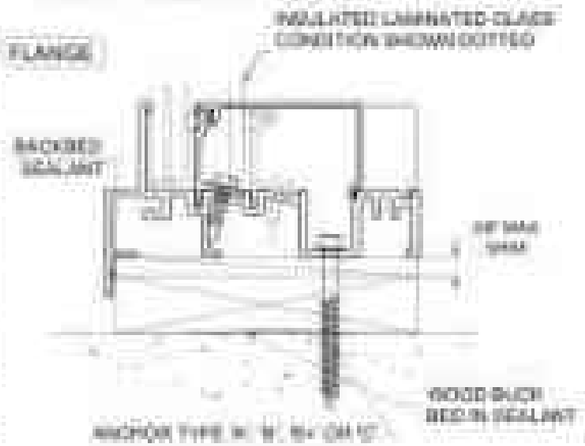
ANCHOR OPTION 1
ALL ANCHORS W/ SHIMS ON SHEETS 5 & 6

ANCHOR OPTION 2
ANCHOR TYPES 'C' WITH 1/2" SHIM SPACE
ANCHOR TYPES 'AA', 'BB', 'BBB', 'B+', 'BBB+', 'C' & 'C' WITH 1/4" SHIM SPACE

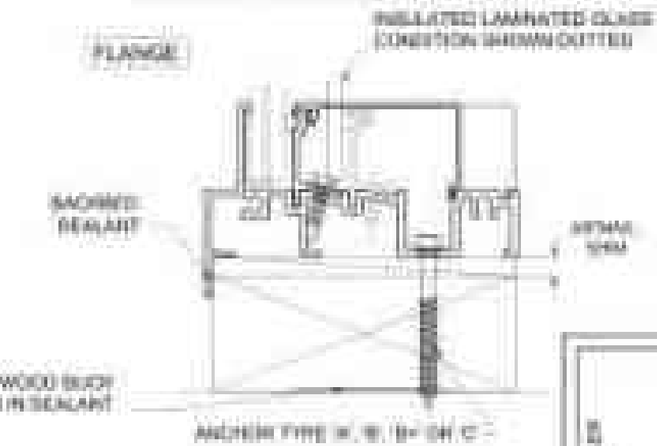
CONCRETE f'c = 3000 PSI MIN
CONCRETE BLOCKS f'm = 2500 PSI MIN

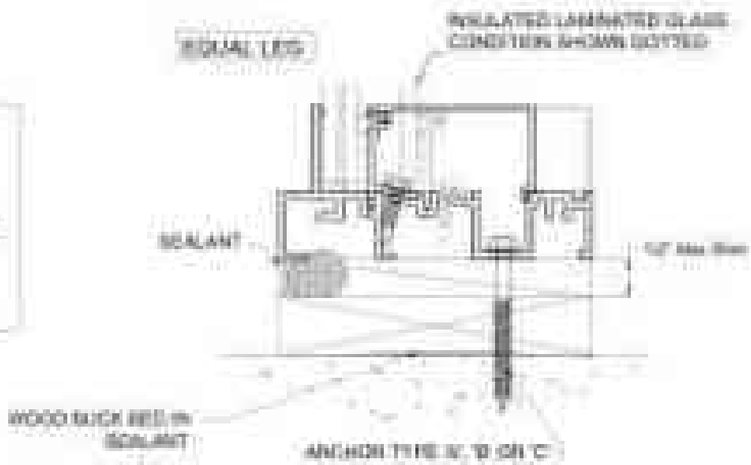
TYPICAL INSTALLATION DETAILS, ALSO SEE NEXT SHEET
THESE DETAILS ARE TYPICAL ON ALL FOUR SIDES OF WINDOW

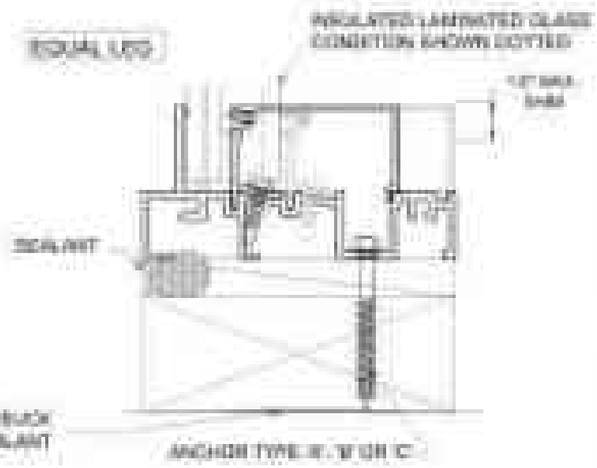
INSTALLATION DETAILS THRU 1X WOOD BUCKS INTO CONCRETE



INSTALLATION DETAILS INTO 2X WOOD BUCKS OR INTO WOOD STRUCTURES







WINDOOR
ANCHORS INSTALLATION I
SERIES 1SY ALUM. HORIZ. SLIDING WINDOW AND PATIO DOOR
A. MOELLER
JRW 1SIM RPA
10/23
ANTHONY LYNN MILLER
LICENSED
No. 38726
STATE OF FLORIDA
PROFESSIONAL ENGINEER

TYPICAL ANCHORS ALSO SEE PREVIOUS SHEET FOR SPACING

Anchor Type	Description	Substrate	Frame Membrane	Min. Edge Distance	Min. Substrate or Metal Thickness
AA	1/4" Dia. Hilti Kwik-con II	Directly into Concrete	All	3-1/2"	1-3/8"
BB	1/4" Dia. Ultracon	Directly into Concrete	All	3-1/2"	1-3/8"
BB+	1/4" Dia. Ultracon+	Directly into Concrete	All	3-1/2"	1-3/8"
BBB	1/4" Dia. Ultracon	Directly into Hollow Block	All	3-1/2"	1-1/4"
BBB+	1/4" Dia. Ultracon+	Directly into Hollow Block	All	3-1/2"	1-1/4"
C	#14 SMS	Into Steel 12 GA Min	All	3-1/2"	(3) Threads min. to extended beyond metal thickness
		Into Aluminum 1/8" Thk	All	3-1/2"	(3) Threads min. to extended beyond metal thickness
E	#14 SMS	Into Steel 12 GA Min	All	3-1/2"	(3) Threads min. to extended beyond metal thickness
		Into Aluminum 1/8" Thk	All	3-1/2"	(3) Threads min. to extended beyond metal thickness

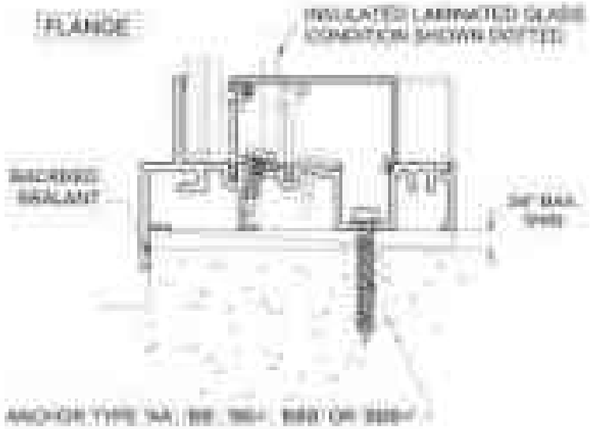
ANCHOR OPTION 1:
ALL ANCHORS AS SHOWN ON SHEETS 4 & 5

ANCHOR OPTION 2:
ANCHOR TYPES 'C' WITH 1/2" SHIM SPACE
ANCHOR TYPES 'AA', 'BB', 'BBB', 'BB+', 'BBB+', 'D' & 'E' WITH 1/4" SHIM SPACE

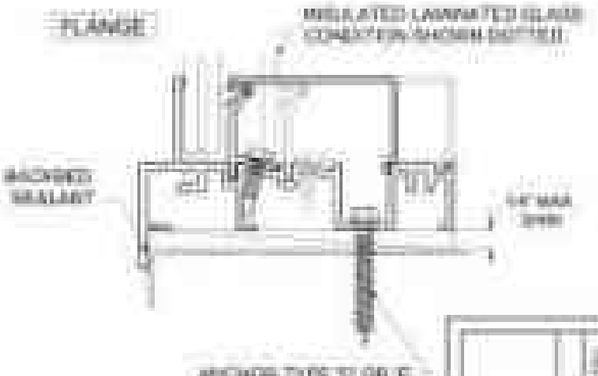
CONCRETE f'c = 3000 PSI MIN
CONCRETE BLOCKS f'm = 2000 PSI MIN

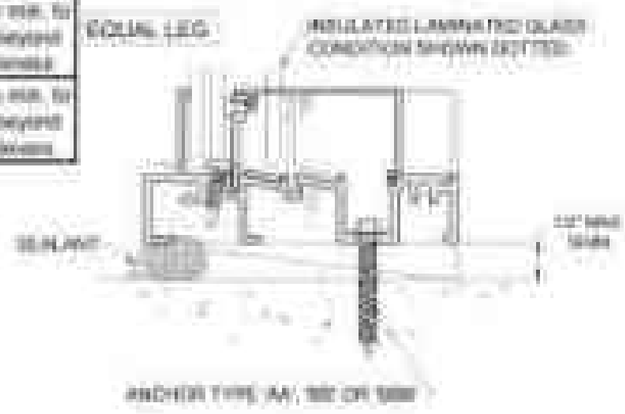
TYPICAL INSTALLATION DETAILS, ALSO SEE PREVIOUS SHEET:
THESE DETAILS ARE TYPICAL ON ALL FOUR SIDES OF WINDOW

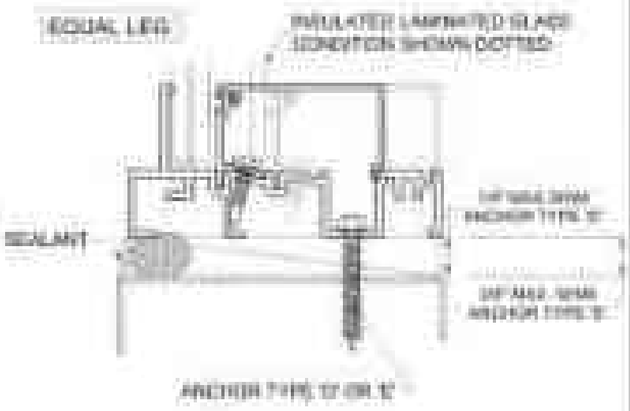
INSTALLATION DETAILS
DIRECTLY INTO CONCRETE



INSTALLATION DETAILS INTO METAL
STRUCTURES OR INTO APPROVED MULLIONS





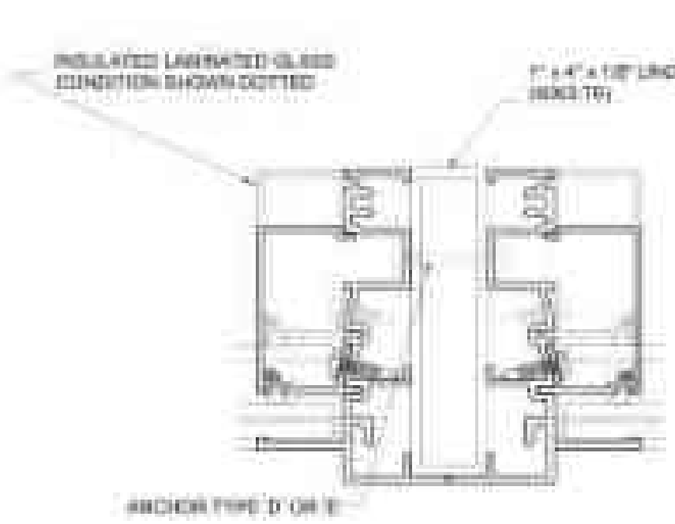


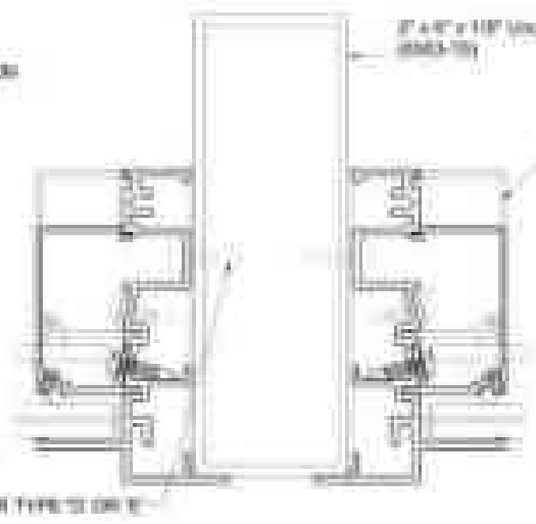
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
INTO FLORIDA PRODUCT APPROVED MULLIONS (MIN. THK. = .125")

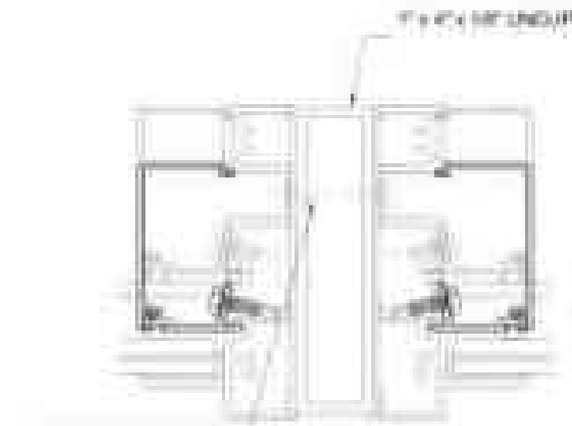
WINDOOR
ANCHOR INSTALLATION 2
SERIES 1132 ALUM. FIXED WINDOW (NAW)
DRAWN: A. MOELLER
DATE: 10-20-16
DRAWING NO: 10223
REVISIONS

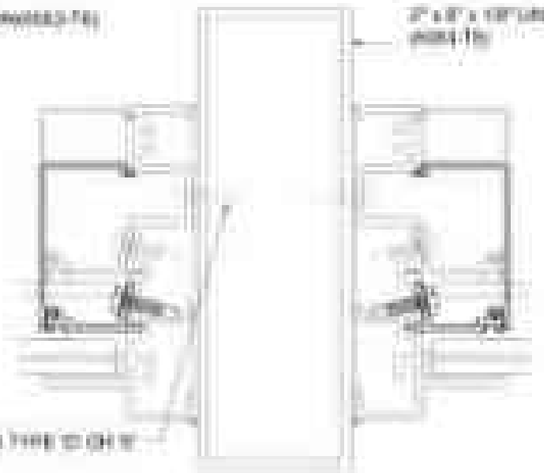
ANTHONY LYNN MILLER
LICENSE
No. 38726
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.

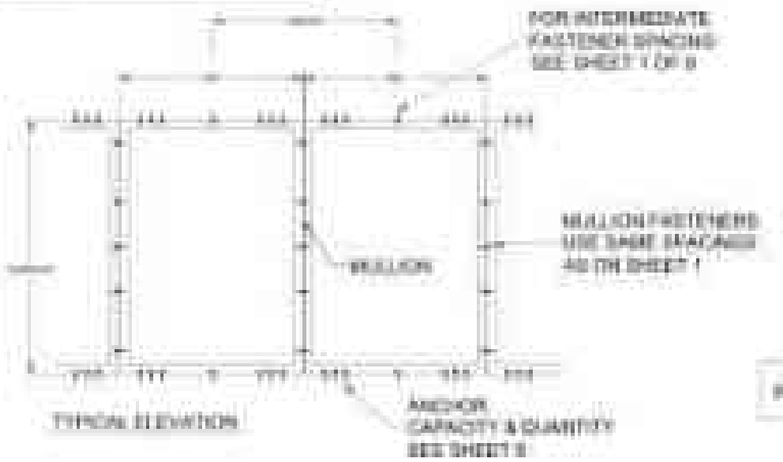
WIDTH	LENGTH	2'-0" x 5'-0" (610 x 1524)	2'-0" x 6'-0" (610 x 1829)
		Max. Lb. (kPa)	Max. Lb. (kPa)
24"	60"	250	250
	72"	250	250
	84"	250	250
	96"	250	250
	108"	250	250
	120"	250	250
30"	60"	250	250
	72"	250	250
	84"	250	250
	96"	250	250
	108"	250	250
	120"	250	250
36"	60"	250	250
	72"	250	250
	84"	250	250
	96"	250	250
	108"	250	250
	120"	250	250
42"	60"	250	250
	72"	250	250
	84"	250	250
	96"	250	250
	108"	250	250
	120"	250	250
48"	60"	250	250
	72"	250	250
	84"	250	250
	96"	250	250
	108"	250	250
	120"	250	250
54"	60"	250	250
	72"	250	250
	84"	250	250
	96"	250	250
	108"	250	250
	120"	250	250
60"	60"	250	250
	72"	250	250
	84"	250	250
	96"	250	250
	108"	250	250
	120"	250	250











WIDTH = [illegible]

4	8/2/23
	ADDED WIND PRESSURE
	ADDED 72"
	ADDED 96"
	ADDED 108"
	ADDED 120"
	ADDED 60"
	ADDED 84"
	ADDED 48"
	ADDED 36"
	ADDED 30"
	ADDED 24"
	ADDED 42"
	ADDED 54"

ANTHONY LYNN MILLER
LICENSE
No. 38726
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
FL# 38726

WINDOOR
[illegible]

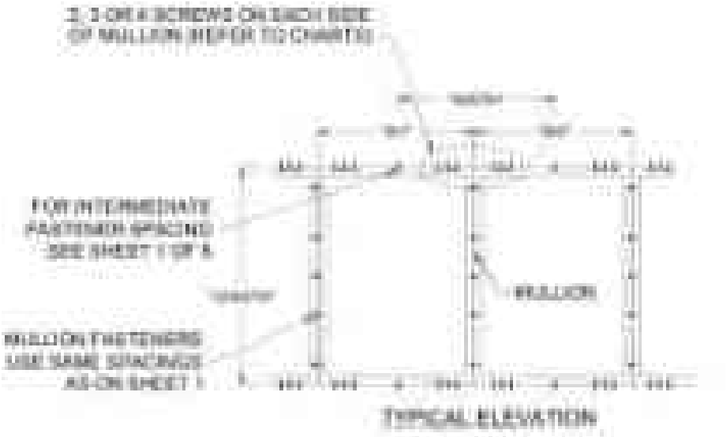
DRAWN BY:	A. MOLLER
CHECKED BY:	A. MILLER
DATE:	11-30-15
SCALE:	AS NOTED
SHEET NO.	2 OF 9

HORIZ. 1 STP ALUM. FIXED WINDOW (HW)
MULLION LOAD CAPACITY

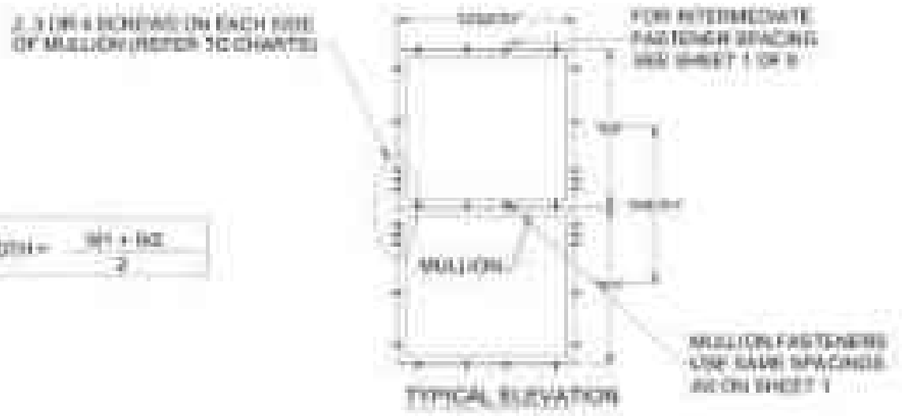
DESIGN LOAD CAPACITY — PSF (ANCHORS AT EACH SIDE OF MULLION)

MULLION SPAN		ANCHOR TYPE A			ANCHOR TYPE A-A			ANCHOR TYPES A & A-A			ANCHOR TYPES A & A-A		
		1/4" MIN			1/4" MIN			1/4" MIN			1/2" MIN		
WIDTH	HEIGHT	2 - M36	3 - M36	4 - M36	2 - M36	3 - M36	4 - M36	2 - M36	3 - M36	4 - M36	2 - M36	3 - M36	4 - M36
36"	72"	114.4	176.0	176.0	176.0	176.0	176.0	137.7	176.0	176.0	88.3	132.5	176.0
42"		99.8	149.7	176.0	176.0	176.0	176.0	99.8	149.7	176.0	75.8	113.8	176.0
48"		87.3	131.0	176.0	132.3	176.0	176.0	87.3	128.3	176.0	66.3	99.5	132.7
54"		77.6	116.4	176.0	116.4	176.0	176.0	77.6	116.4	176.0	58.8	88.3	117.8
60"		69.8	104.8	139.7	104.8	176.0	176.0	67.8	101.6	135.4	52.9	79.4	105.8
66"		63.5	95.3	127.0	95.3	142.9	176.0	61.7	92.5	123.4	48.1	72.1	96.2
72"		58.2	87.3	116.4	87.3	131.0	174.6	56.5	84.7	113.0	44.1	66.1	88.2
78"	84"	53.7	80.6	107.5	80.6	120.9	161.2	52.2	78.2	104.3	40.7	61.1	81.4
84"		49.8	74.8	99.8	74.8	112.3	149.7	48.5	72.7	97.0	37.8	56.8	75.7
90"		46.5	69.8	93.0	69.8	104.8	139.7	45.3	67.9	90.5	35.3	53.0	70.7
96"		43.6	65.4	87.2	65.4	98.1	130.8	42.4	63.6	84.8	33.1	49.7	66.2
102"		41.0	61.5	82.1	61.5	92.3	123.0	39.9	59.8	79.8	31.1	46.7	62.3
108"		38.8	58.2	77.6	58.2	87.3	116.4	37.7	56.6	75.5	29.4	44.1	58.9
114"		36.8	55.2	73.6	55.2	82.8	110.4	35.8	53.7	71.6	27.9	41.9	55.8
120"		35.0	52.5	70.0	52.5	78.8	105.0	34.0	51.1	68.1	26.5	39.8	53.1
36"	96"	100.1	150.2	176.0	150.2	176.0	176.0	120.4	176.0	176.0	77.2	115.9	154.5
42"		87.3	131.0	174.6	131.0	176.0	176.0	87.3	131.0	174.6	66.3	99.5	132.7
48"		76.4	114.7	152.9	114.7	176.0	176.0	76.4	114.7	152.9	58.0	87.0	116.1
54"		67.9	101.9	135.9	101.9	152.8	176.0	67.9	101.9	135.9	51.5	77.3	103.1
60"		61.1	91.7	122.3	91.7	137.5	176.0	61.1	91.7	122.3	46.4	69.6	92.8
66"		55.5	83.3	111.1	83.3	125.0	166.6	55.5	83.3	111.1	42.1	63.2	84.3
72"		50.9	76.4	101.8	76.4	114.6	152.8	50.9	76.4	101.8	38.6	58.0	77.3
78"		47.0	70.5	94.0	70.5	105.8	141.1	47.0	70.5	94.0	35.7	53.5	71.4
84"		43.6	65.4	87.2	65.4	98.1	130.8	43.6	65.4	87.2	33.1	49.7	66.2
90"		40.7	61.1	81.4	61.1	91.7	122.3	40.7	61.1	81.4	30.9	46.4	61.8
96"		38.2	57.3	76.4	57.3	86.0	114.7	38.2	57.3	76.4	29.0	43.5	58.0
102"		36.0	53.9	71.9	53.9	80.9	107.9	36.0	53.9	71.9	27.3	41.0	54.6
108"		34.0	51.0	68.0	51.0	76.5	102.0	34.0	51.0	68.0	25.8	38.7	51.6
114"		32.3	48.4	64.5	48.4	72.5	96.7	32.3	48.4	64.5	24.5	36.7	48.9
120"		30.7	46.0	61.3	46.0	69.0	92.0	30.7	46.0	61.3	23.3	34.9	46.5
36"	108"	88.9	133.4	176.0	133.4	176.0	176.0	106.9	160.4	176.0	68.6	102.9	137.2
42"		77.5	116.3	155.0	116.3	176.0	176.0	77.5	116.3	155.0	58.8	88.2	117.7
48"		67.8	101.8	135.7	101.8	152.7	176.0	67.8	101.8	135.7	51.5	77.2	103.0
54"		60.3	90.4	120.6	90.4	135.7	176.0	60.3	90.4	120.6	45.7	68.6	91.5
60"		54.2	81.4	108.5	81.4	122.1	162.8	54.2	81.4	108.5	41.2	61.7	82.3
66"		49.3	74.0	98.7	74.0	111.0	148.0	49.3	74.0	98.7	37.4	56.1	74.8
72"		45.2	67.8	90.4	67.8	101.7	135.7	45.2	67.8	90.4	34.3	51.4	68.6
78"		41.7	62.6	83.5	62.6	93.9	125.2	41.7	62.6	83.5	31.7	47.5	63.3
84"		38.7	58.1	77.4	58.1	87.1	116.1	38.7	58.1	77.4	29.4	44.1	58.8
90"		36.1	54.2	72.3	54.2	81.3	108.4	36.1	54.2	72.3	27.4	41.1	54.8
96"		33.9	50.8	67.8	50.8	76.2	101.7	33.9	50.8	67.8	25.7	38.6	51.4
102"		31.9	47.9	63.8	47.9	71.8	95.7	31.9	47.9	63.8	24.2	36.4	48.5
108"		30.2	45.3	60.4	45.3	67.9	90.5	30.2	45.3	60.4	22.9	34.4	45.8
114"		28.7	43.0	57.3	43.0	64.5	86.0	28.7	43.0	57.3	21.7	32.6	43.5
120"		27.2	40.9	54.5	40.9	61.3	81.8	27.2	40.9	54.5	20.7	31.0	41.3
36"	120"	77.8	116.8	155.7	116.8	175.2	176.0	93.6	140.4	176.0	60.0	90.1	120.1
42"		67.8	101.8	135.7	101.8	152.7	176.0	67.8	101.8	135.7	51.5	77.2	103.0
48"		59.4	89.1	118.8	89.1	133.7	176.0	59.4	89.1	118.8	45.1	67.6	90.2
54"		52.8	79.2	105.6	79.2	118.8	158.4	52.8	79.2	105.6	40.0	60.1	80.1
60"		47.5	71.3	95.0	71.3	106.9	142.6	47.5	71.3	95.0	36.1	54.1	72.1
66"		43.2	64.8	86.4	64.8	97.2	129.6	43.2	64.8	86.4	32.8	49.2	65.6
72"		39.6	59.4	79.2	59.4	89.1	118.8	39.6	59.4	79.2	30.0	45.1	60.1
78"		36.5	54.8	73.1	54.8	82.2	109.7	36.5	54.8	73.1	27.7	41.6	55.4
84"		33.9	50.8	67.8	50.8	76.2	101.7	33.9	50.8	67.8	25.7	38.6	51.4
90"		31.6	47.5	63.3	47.5	71.2	95.0	31.6	47.5	63.3	24.0	36.0	48.0
96"		29.7	44.5	59.4	44.5	66.8	89.1	29.7	44.5	59.4	22.5	33.8	45.1
102"		28.0	41.9	55.9	41.9	62.9	83.8	28.0	41.9	55.9	21.2	31.8	42.4
108"		26.4	39.6	52.8	39.6	59.4	79.2	26.4	39.6	52.8	20.0	30.1	40.1
114"		25.1	37.6	50.2	37.6	56.4	75.2	25.1	37.6	50.2	19.0	28.5	38.0
120"		23.9	35.8	47.7	35.8	53.7	71.6	23.9	35.8	47.7	18.1	27.1	36.1

INTERPOLATION FROM THESE CHARTS IS ALLOWED



TYPICAL ELEVATION



TYPICAL ELEVATION

WIDTH = (W1 + W2) / 2

WINDOOR

ANTHONY LYNN MILLER
LICENSE
No. 38726
STATE OF TEXAS
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
FIRM # 10726

DRAWN	A. MOELLER
CHECKED	
DRAWING NUMBER	
SCALE	3" = 1'-0"
DATE	01/14/13

3 STEP ALUM. FRONT SET WINDOWS

MULLION LOAD CAPACITY 2

NO.	DESCRIPTION	DATE
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

DESIGN LOAD CAPACITY – PSF (ENCIRCLED AT EACH SIDE OF MULLION)

	ANCHOR TYPE 1 & 4			ANCHOR TYPE 2 & 5			ANCHOR TYPE 3 & 6			ANCHOR TYPE 7 & 8 (SEE DETAILS 2/A5.0 & 3/A5.0)			ANCHOR TYPE 9			ANCHOR TYPE 10			ANCHOR TYPE 11			ANCHOR TYPE 12		
MAXIMUM SPAN		2'-0" SPAN			2'-6" SPAN			3'-0" SPAN			3'-6" SPAN			4'-0" SPAN			4'-6" SPAN			5'-0" SPAN			5'-6" SPAN		
WIDTH	LENGTH	1" GLS	1" IGUS	1" IGUS	1" GLS	1" IGUS	1" IGUS	1" GLS	1" IGUS	1" IGUS	1" GLS	1" IGUS	1" IGUS	1" GLS	1" IGUS	1" IGUS	1" GLS	1" IGUS	1" IGUS	1" GLS	1" IGUS	1" IGUS	1" GLS	1" IGUS	1" IGUS
24"	12"	113.6	128.7	113.6	91.1	103.4	91.1	75.9	86.1	75.9	65.1	73.8	65.1	56.9	64.6	56.9	50.6	57.4	50.6	45.5	51.6	45.5	41.4	46.9	41.4
	24"	96.7	109.6	96.7	77.5	87.9	77.5	64.6	73.2	64.6	55.4	62.8	55.4	48.4	54.9	48.4	43.0	48.8	43.0	38.7	43.9	38.7	35.2	39.9	35.2
	36"	79.8	90.5	79.8	64.0	72.6	64.0	53.3	60.5	53.3	45.7	51.8	45.7	40.0	45.3	40.0	35.5	40.3	35.5	32.0	36.3	32.0	29.1	33.0	29.1
	48"	62.9	71.3	62.9	50.4	57.2	50.4	42.0	47.7	42.0	36.0	40.8	36.0	31.5	35.7	31.5	28.0	31.7	28.0	25.2	28.6	25.2	22.9	26.0	22.9
	60"	46.0	52.2	46.0	36.8	41.8	36.8	30.7	34.8	30.7	26.3	29.8	26.3	23.0	26.1	23.0	20.4	23.2	20.4	18.4	20.9	18.4	16.7	19.0	16.7
	72"	29.1	33.0	29.1	23.3	26.4	23.3	19.4	22.0	19.4	16.6	18.8	16.6	14.6	16.5	14.6	12.9	14.7	12.9	11.7	13.2	11.7	10.6	12.0	10.6
36"	12"	75.7	85.8	75.7	60.6	68.7	60.6	50.5	57.2	50.5	43.3	49.1	43.3	37.9	42.9	37.9	33.7	38.2	33.7	30.3	34.4	30.3	27.5	31.3	27.5
	24"	64.4	73.0	64.4	51.6	58.4	51.6	43.0	48.7	43.0	36.9	41.8	36.9	32.2	36.5	32.2	28.6	32.4	28.6	25.8	29.2	25.8	23.4	26.5	23.4
	36"	53.2	60.3	53.2	42.6	48.3	42.6	35.5	40.2	35.5	30.4	34.5	30.4	26.6	30.2	26.6	23.6	26.8	23.6	21.3	24.1	21.3	19.3	21.9	19.3
	48"	41.9	47.5	41.9	33.6	38.0	33.6	28.0	31.7	28.0	24.0	27.2	24.0	21.0	23.8	21.0	18.6	21.1	18.6	16.8	19.0	16.8	15.3	17.3	15.3
	60"	30.7	34.8	30.7	24.5	27.8	24.5	20.5	23.2	20.5	17.6	19.9	17.6	15.4	17.4	15.4	13.6	15.5	13.6	12.3	13.9	12.3	11.2	12.7	11.2
	72"	19.4	22.0	19.4	15.5	17.6	15.5	12.9	14.7	12.9	11.1	12.5	11.1	9.7	11.0	9.7	8.6	9.8	8.6	7.8	8.8	7.8	7.1	8.0	7.1
48"	12"	56.8	64.3	56.8	45.4	51.5	45.4	37.9	42.9	37.9	32.4	36.8	32.4	28.4	32.2	28.4	25.2	28.6	25.2	22.7	25.8	22.7	20.6	23.4	20.6
	24"	48.3	54.7	48.3	38.7	43.8	38.7	32.2	36.5	32.2	27.6	31.3	27.6	24.1	27.4	24.1	21.4	24.3	21.4	19.3	21.9	19.3	17.5	19.9	17.5
	36"	39.9	45.2	39.9	31.9	36.2	31.9	26.6	30.1	26.6	22.8	25.8	22.8	19.9	22.6	19.9	17.7	20.1	17.7	15.9	18.1	15.9	14.5	16.4	14.5
	48"	31.4	35.6	31.4	25.2	28.5	25.2	21.0	23.8	21.0	18.0	20.4	18.0	15.8	17.8	15.8	14.0	15.9	14.0	12.6	14.2	12.6	11.5	13.0	11.5
	60"	23.0	26.1	23.0	18.4	20.9	18.4	15.4	17.4	15.4	13.2	14.9	13.2	11.5	13.0	11.5	10.2	11.6	10.2	9.2	10.4	9.2	8.4	9.5	8.4
	72"	14.5	16.5	14.5	11.6	13.2	11.6	9.7	11.0	9.7	8.3	9.4	8.3	7.3	8.2	7.3	6.5	7.3	6.5	5.8	6.6	5.8	5.3	6.0	5.3
60"	12"	45.4	51.4	45.4	36.3	41.2	36.3	30.3	34.3	30.3	25.9	29.4	25.9	22.7	25.7	22.7	20.2	22.9	20.2	18.2	20.6	18.2	16.5	18.7	16.5
	24"	38.7	43.8	38.7	30.9	35.0	30.9	25.8	29.2	25.8	22.1	25.0	22.1	19.3	21.9	19.3	17.1	19.4	17.1	15.4	17.5	15.4	14.0	15.9	14.0
	36"	31.9	36.1	31.9	25.5	28.9	25.5	21.3	24.1	21.3	18.2	20.6	18.2	15.9	18.0	15.9	14.2	16.0	14.2	12.8	14.4	12.8	11.6	13.1	11.6
	48"	25.2	28.5	25.2	20.1	22.8	20.1	16.8	19.0	16.8	14.4	16.3	14.4	12.6	14.2	12.6	11.2	12.7	11.2	10.1	11.4	10.1	9.2	10.4	9.2
	60"	18.4	20.9	18.4	14.7	16.7	14.7	12.3	13.9	12.3	10.6	11.9	10.6	9.2	10.4	9.2	8.2	9.3	8.2	7.4	8.3	7.4	6.7	7.6	6.7
	72"	11.6	13.2	11.6	9.3	10.5	9.3	7.8	8.8	7.8	6.6	7.5	6.6	5.8	6.6	5.8	5.2	5.8	5.2	4.6	5.3	4.6	4.2	4.8	4.2
72"	12"	37.9	42.9	37.9	30.3	34.3	30.3	25.3	28.6	25.3	21.6	24.5	21.6	18.9	21.4	18.9	16.8	19.1	16.8	15.2	17.2	15.2	13.8	15.6	13.8
	24"	32.2	36.5	32.2	25.8	29.2	25.8	21.5	24.3	21.5	18.4	20.8	18.4	16.1	18.2	16.1	14.3	16.2	14.3	12.9	14.6	12.9	11.7	13.2	11.7
	36"	26.6	30.1	26.6	21.3	24.1	21.3	17.7	20.1	17.7	15.2	17.2	15.2	13.3	15.0	13.3	11.8	13.4	11.8	10.6	12.0	10.6	9.7	10.9	9.7
	48"	21.0	23.8	21.0	16.8	19.0	16.8	14.0	15.9	14.0	12.0	13.6	12.0	10.5	11.9	10.5	9.3	10.6	9.3	8.4	9.5	8.4	7.7	8.7	7.7
	60"	15.4	17.4	15.4	12.3	13.9	12.3	10.2	11.6	10.2	8.8	9.9	8.8	7.7	8.7	7.7	6.8	7.7	6.8	6.2	6.9	6.2	5.6	6.3	5.6
	72"	9.7	11.0	9.7	7.8	8.8	7.8	6.5	7.3	6.5	5.5	6.2	5.5	4.8	5.5	4.8	4.3	4.8	4.3	3.9	4.4	3.9	3.5	4.0	3.5

INTERPOLATION FROM THESE CHARTS IS ALLOWED

WIDTH = (W1 + W2) / 2

WINDOOR
ENGINEERED & MANUFACTURED BY
WINDOOR, INC.
6725 NW 36TH AVENUE
MIAMI, FL 33147
PHONE: (305) 696-1112
FAX: (305) 696-1101

MULLION LOAD CAPACITY 3

HARRIS TAFT AUTO DEALERSHIP (OUR)

A. MORALES

2MM18-0002

DATE: 11.20.18

SCALE: NTS

SHEET NO.

A5.0

ANTHONY LYNN MILLER
LICENSE
No. 38726
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.

WINDOW SIZE		LAMINATED GLASS	INSUL. LAM. GLASS
WIDTH	LENGTH	PSF (+) & (-)	PSF (+) & (-)
12"	12"	118.0	97.0
36"	84"	74.0	61.0
48"		56.0	47.0
60"		45.0	37.0

ANY SIZE OR DESIGN LOAD LESS THAN CHART IS ALLOWED.

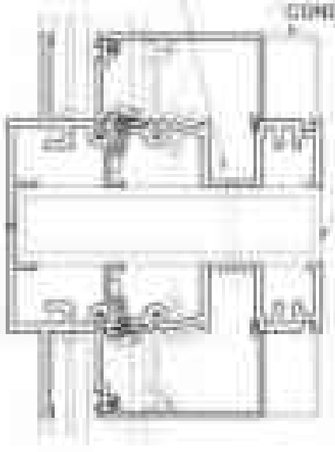
WINDOW SIZE		LAMINATED GLASS	INSUL. LAM. GLASS
WIDTH	LENGTH	PSF (+) & (-)	PSF (+) & (-)
24"	12"	106.0	90.0
48"	96"	56.0	46.0
84"		32.0	26.0
96"	108"	25.0	20.0
12"		98.0	80.0
48"	120"	32.0	26.0
96"		16.0	13.0
12"	144"	82.0	68.0
48"		27.0	22.0
96"		13.0	10.0

ANY SIZE OR DESIGN LOAD LESS THAN CHART IS ALLOWED.

ANCHOR TYPE 'S' OR 'E'

INSULATED LAMINATED GLASS CONDITION SHOWN DOTTED

7" x 6" x 1/8" UNCLIPPED MULLION (6063-T6)



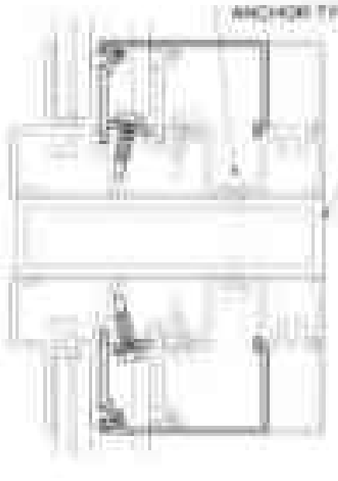
ANCHOR TYPE 'S' OR 'E'

INSULATED LAMINATED GLASS CONDITION SHOWN DOTTED



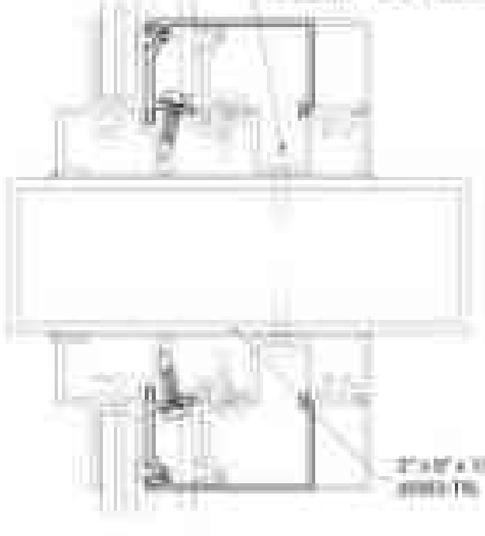
2" x 6" x 1/8" UNCLIPPED MULLION (6063-T6)

ANCHOR TYPE 'S' OR 'E'



7" x 6" x 1/8" UNCLIPPED MULLION (6063-T6)

ANCHOR TYPE 'S' OR 'E'



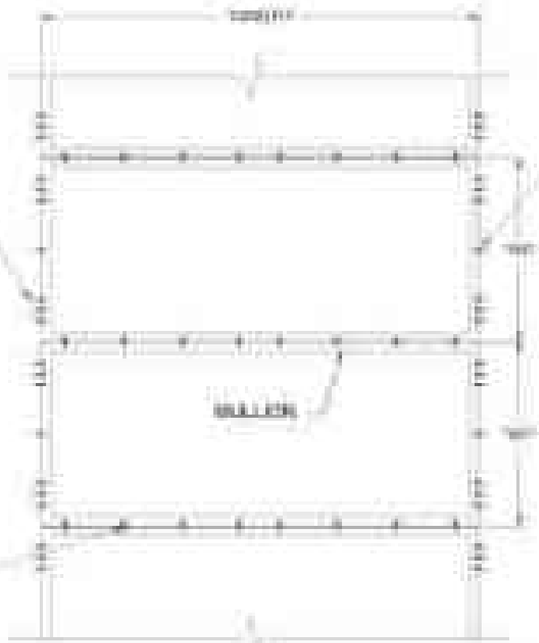
2" x 6" x 1/8" UNCLIPPED MULLION (6063-T6)

ANCHORS AT EACH SIDE OF MULLION (2) FOR 144 TUBE (3) FOR 232 TUBE

FOR INTERMEDIATE FASTENER SPACING SEE SHEET 1 OF 6

MULLION

MULLION FASTENERS USE SAME SPACINGS AS ON SHEET 1



TYPICAL ELEVATION

$$\text{MEETING} = \frac{W1 \times W2}{E}$$

W2 = W1

A	12/2/25		

ANTHONY LYNN MILLER
LICENSE
No. 36726
STATE OF ILLINOIS
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
EXPIRATION

WINDOOR
WINDOW & DOOR MANUFACTURERS
ASSOCIATION INTERNATIONAL
2211 E. JEFFERSON STREET
PHOENIX, AZ 85034-1601
PHONE: (602) 244-8000
FAX: (602) 244-8830
WEB: WWW.WINDOOR.COM

SERIES 1010 ALUM. FIXED WINDOW WALL
MULLION LOAD CAPACITY 4

DRAWN	A. MOELLER	
CHECKED		
SCALE	1 1/2" = 1'-0"	
DATE	12/2/25	

DESIGN LOAD CAPACITY - PSF

WIDTH (IN)		ANCHOR TYPE A, A-A, B, B+ (SEE ⊕ SIM)		ANCHOR TYPE AMB (SEE ⊕ SIM)
SIZE 1	SIZE 2	AT 48" O.C.	AT 8" O.C.	AT 48" O.C.
36"	48"	2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
36"	54"	2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
36"	60"	2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
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		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
36"	72"	2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
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		2348	2348	2348

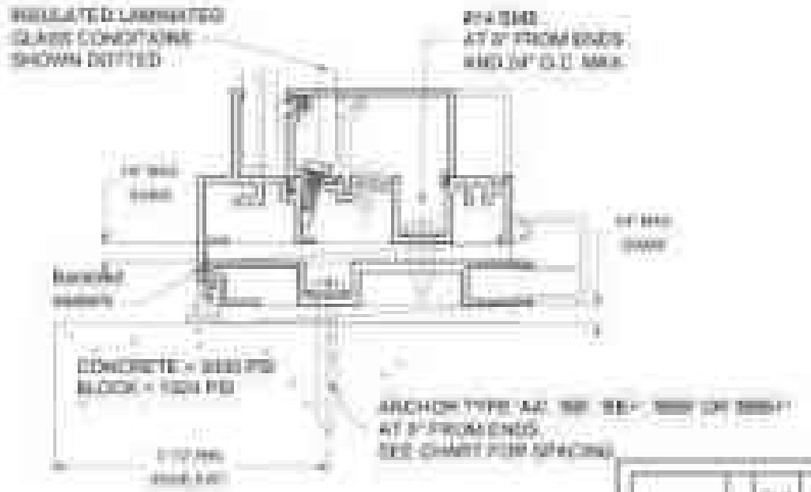
DESIGN LOAD CAPACITY - PSF

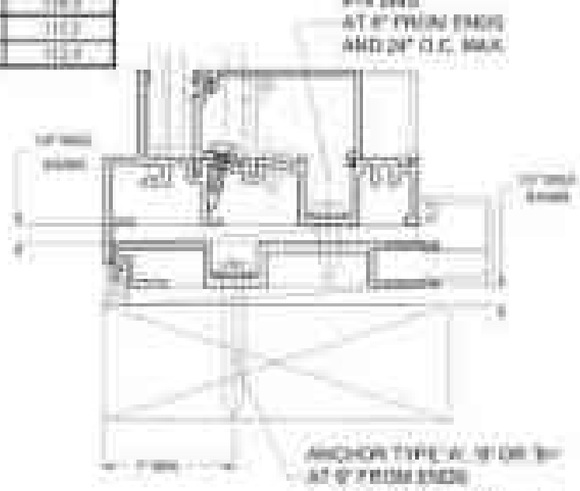
WIDTH (IN)		ANCHOR TYPE A, A-A, B, B+ (SEE ⊕ SIM)		ANCHOR TYPE AMB (SEE ⊕ SIM)
SIZE 1	SIZE 2	AT 48" O.C.	AT 8" O.C.	AT 48" O.C.
48"	48"	2348	2348	2348
		2348	2348	2348
		2348	2348	2348
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		2348	2348	2348
		2348	2348	2348
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		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
48"	54"	2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
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		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
48"	60"	2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
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		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
48"	72"	2348	2348	2348
		2348	2348	2348
		2348	2348	2348
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		2348	2348	2348
		2348	2348	2348

DESIGN LOAD CAPACITY - PSF

WIDTH (IN)		ANCHOR TYPE A, A-A, B, B+ (SEE ⊕ SIM)		ANCHOR TYPE AMB (SEE ⊕ SIM)
SIZE 1	SIZE 2	AT 48" O.C.	AT 8" O.C.	AT 48" O.C.
60"	48"	2348	2348	2348
		2348	2348	2348
		2348	2348	2348
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		2348	2348	2348
		2348	2348	2348
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		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
60"	54"	2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
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		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
60"	60"	2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
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		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
60"	72"	2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348
		2348	2348	2348

ALUMINUM BUCK FRAMING DETAILS





TYPICAL INSTALLATION DETAIL ON ALL FOUR SIDES

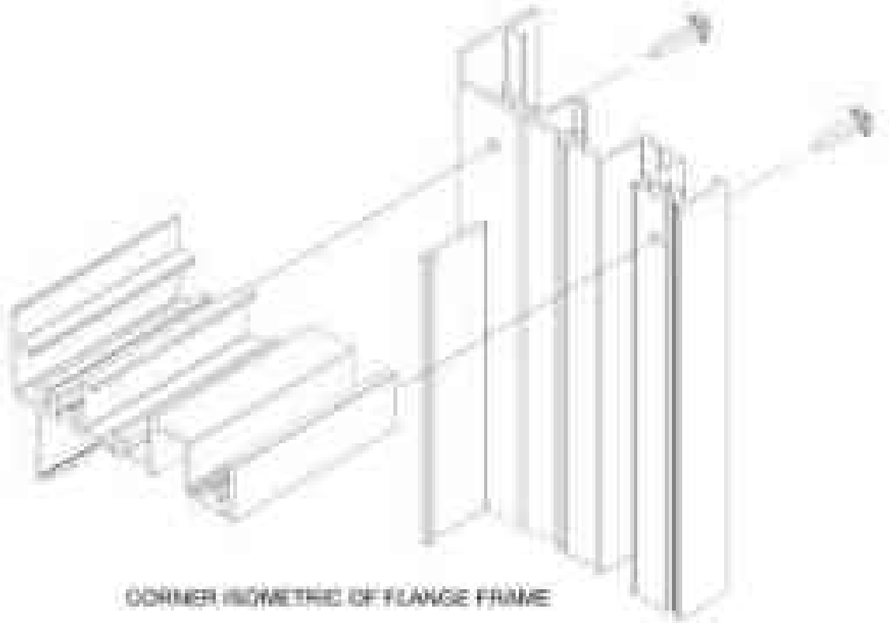
WINDOOR

ANTHONY LYNN MILLER
LICENSED
No. 38726
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
FL# 38726

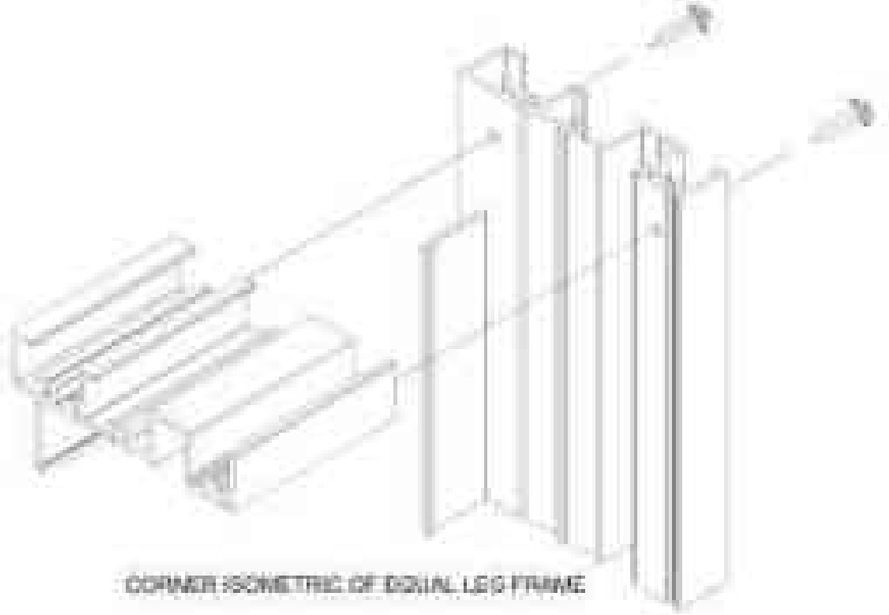
DRAWN BY	A. MORLEY
CHECKED	
SERIES 1510 ALUM. HORIZ SLIDING DOOR	
ANCHOR LOAD CAPACITY	
1/4" = 1'-0"	
10 OF 11	
5223	
REVISIONS	
1	

BILL OF MATERIALS

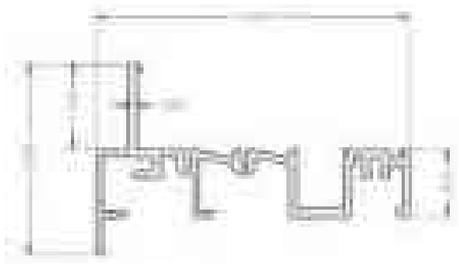
ITEM	PART NUMBER OR NAME	DESCRIPTION	MATERIAL
1	4L701	MAINE FRAME (FLANGE)	6063-T5
2	4L701	MAIN FRAME (EQUAL LEG)	6063-T5
3	4L701	GLASS STOP	6063-T5
4	4L703	STANDARD COVER	6063-T5
5a	4L701	JAMB COVER	6063-T5
5	GLASS STOP SCREW	#12 x 3/4" HEX HD. SELF DRILLING	STEEL
6	GASKET	SEE DOOR & WINDOW SYSTEMS TECH. SHEET FOR INFO.	SILICONE
7	MASTIC/TAPE	GLASS STOP SEALER	VINYL
8	FRAME SCREW	#12 x 1 1/4" HEX HD. SMS	S/S
9	-	SETTING BLOCK	EPDM
10	-	ALUMINUM BLOCK	6063-T6
11	-	OPTIONAL COVER	6063-T5



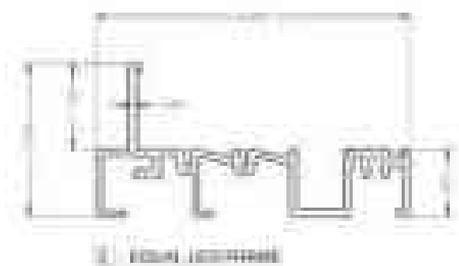
CORNER ISOMETRIC OF FLANGE FRAME



CORNER ISOMETRIC OF EQUAL LEG FRAME



(1) FLANGE FRAME



(2) EQUAL LEG FRAME



(3) GLASS STOP



(4) STANDARD COVER



(5) ALUMINUM BLOCK



(6) OPTIONAL COVER



(8) JAMB COVER

A	8/2/23	ADDED NOTE #1 TO DRAWING	

WINDOOR®

DRAWN BY: A. MORLEY	CHECKED:	SCALE: 1 1/2" = 1'-0"	SHEET: 1 OF 1

ANTHONY LYNN MILLER
LICENSE
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PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 38726