CAPW7675 IMPACT RESISTANT THERMALLY-BROKEN ALUMINUM FIXED CASEMENT PICTURE WINDOW

FLORIDA PRODUCT APPROVAL # 27960

1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE, **NOT** INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

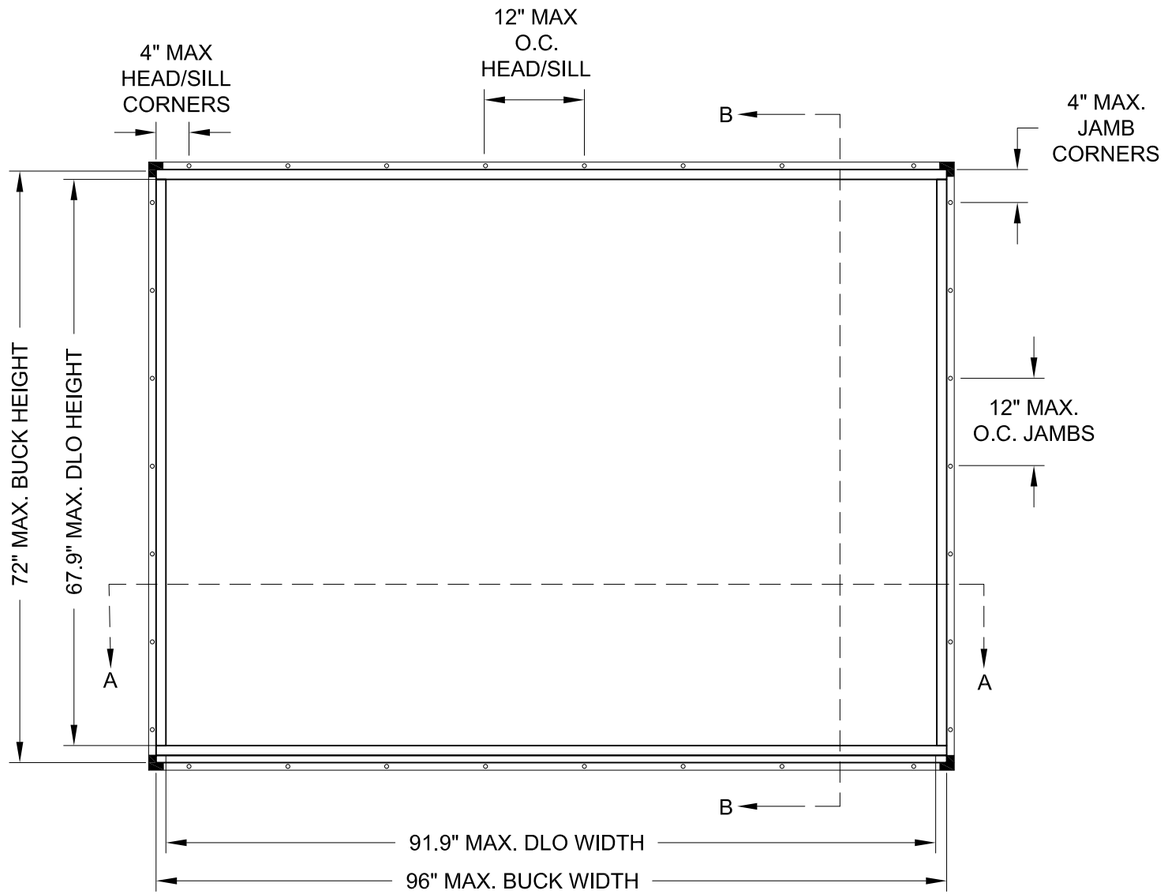
2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.

3) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 1. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.

4) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.

5) SHIMS ARE REQUIRED AT 18" MAXIMUM ON CENTER SPACING WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE WINDOW.

6) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WIND LOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.



TYPICAL INTEGRAL FIN FRAME

DESIGN PRESSURE
RATING +/- 50 psf

IMPACT RATING
RATED FOR LARGE MISSILE D & SMALL MISSILE A IMPACT RESISTANCE. SHUTTERS ARE NOT REQUIRED.

VISIBLE LIGHT FORMULAS (DLO)
WIDTH: BUCK WIDTH - 4-1/8"
HEIGHT: BUCK HEIGHT - 4-1/8"

EXAMPLES OF MULLED UNITS

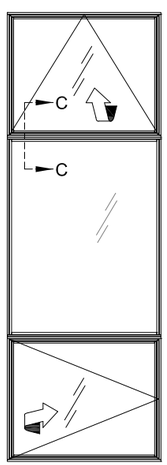
MULLION NOTES:

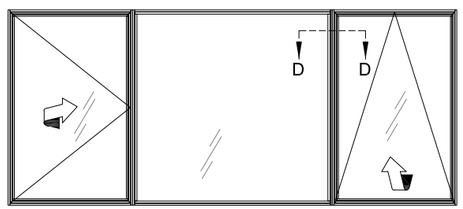
1) WINDOWS SHOWN IN FIGURES 1 & 2 MAY BE ANY COMBINATION OF THE 7660 AWNING, 7670 CASEMENT, 7630 PICTURE OR 7675 FIXED CASEMENT WINDOW.

2) SEE THE SPECIFIC APPROVAL FOR EACH WINDOW TYPE FOR INSTALLATION INSTRUCTIONS.

3) THE OVERALL DESIGN PRESSURE OF THE MULLED ASSEMBLY IS THE LOWEST OF ANY INDIVIDUAL WINDOW.

4) SEE SHEET 4 FOR C-C & D-D CROSS SECTIONS.





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

REGISTRATION #29296

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Date 08/2824
Drawn By S. BERKOWITZ
DWG No. CAPW7675FPA-LMI
Sheet 1 OF 5
Series CAPW7675
Desc. ELEVATION & GENERAL NOTES
Title ALUMINUM FIXED CASEMENT PICTURE WINDOW

western window systems
2200 E. Riverview Drive
Phoenix, AZ 85034
Tel (877) 268-1300

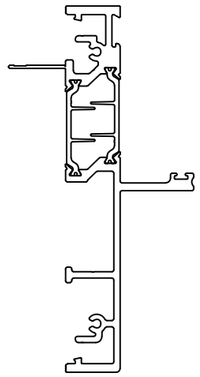
ANTHONY LYNN MILLER
LICENSE
No. 58705
A. Lynn Miller
08/28/24
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 1

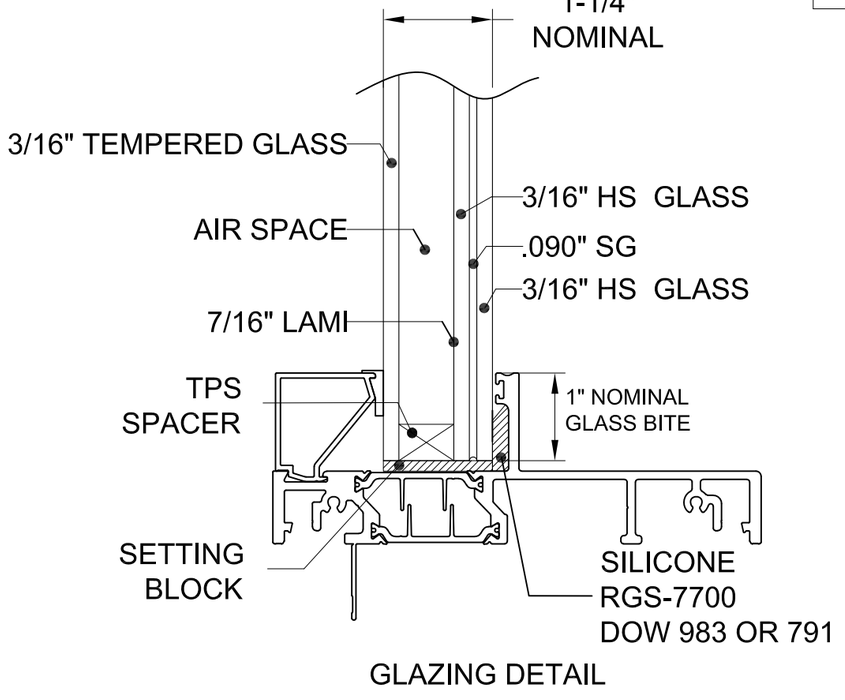
Anchor	Substrate	Min. Edge Distance	Min. Embedment
#10 or #12, SMS (steel, 18-8 S.S. or 410 SS) Panhead or Flathead	Southern Pine	1/2"	1-7/16"
	6063-T6 Al	7/16"	0.078'
	A36 Steel	5/16"	0.05"
	A653 Steel Stud, Gr. 33	5/16"	0.035" (20 ga)

1) ANCHORS MUST BE OF SUFFICIENT LENGTH SO THAT A MINIMUM OF 3 THREADS EXTEND BEYOND THE METAL SUBSTRATE.

FRAME TYPE:



INTEGRAL FIN



GLAZING DETAIL

"HS" = HEAT STRENGTHENED
"SG" = SENTRYGLAS BY KURRAY AMERICA INC.

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Date 08/2824

Drawn By S. BERKOWITZ

DWG No. CAPW7675FPA-LMI

Sheet 2 OF 5

Series CAPW7675

Desc. WINDOW

Title ALUMINUM FIXED CASEMENT PICTURE ANCHOR TABLE AND GLAZING DETAIL

western window systems
2200 E. Riverview Drive
Phoenix, AZ 85034
Tel (877) 268-1300

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PROFESSIONAL ENGINEER
08/28/24
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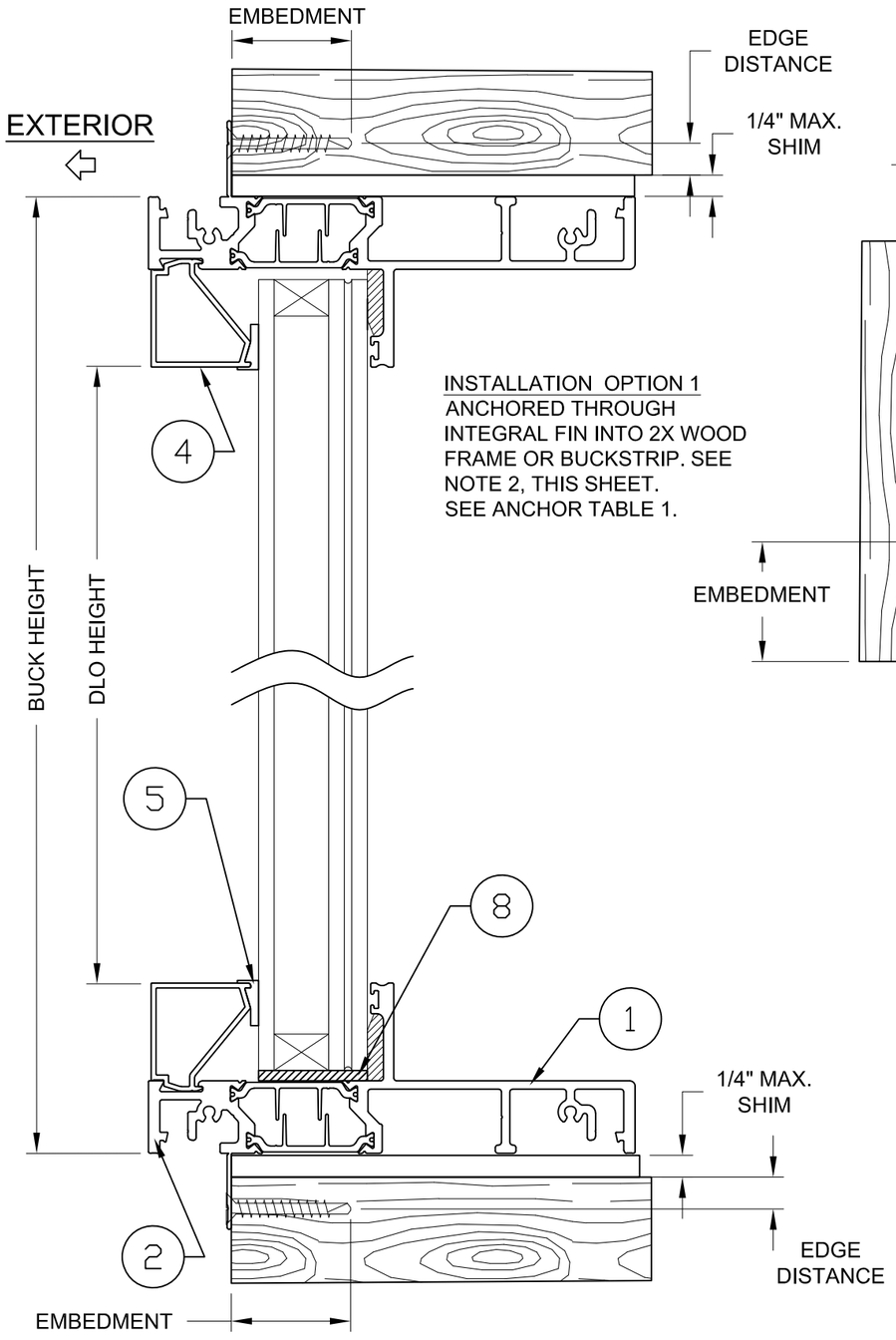
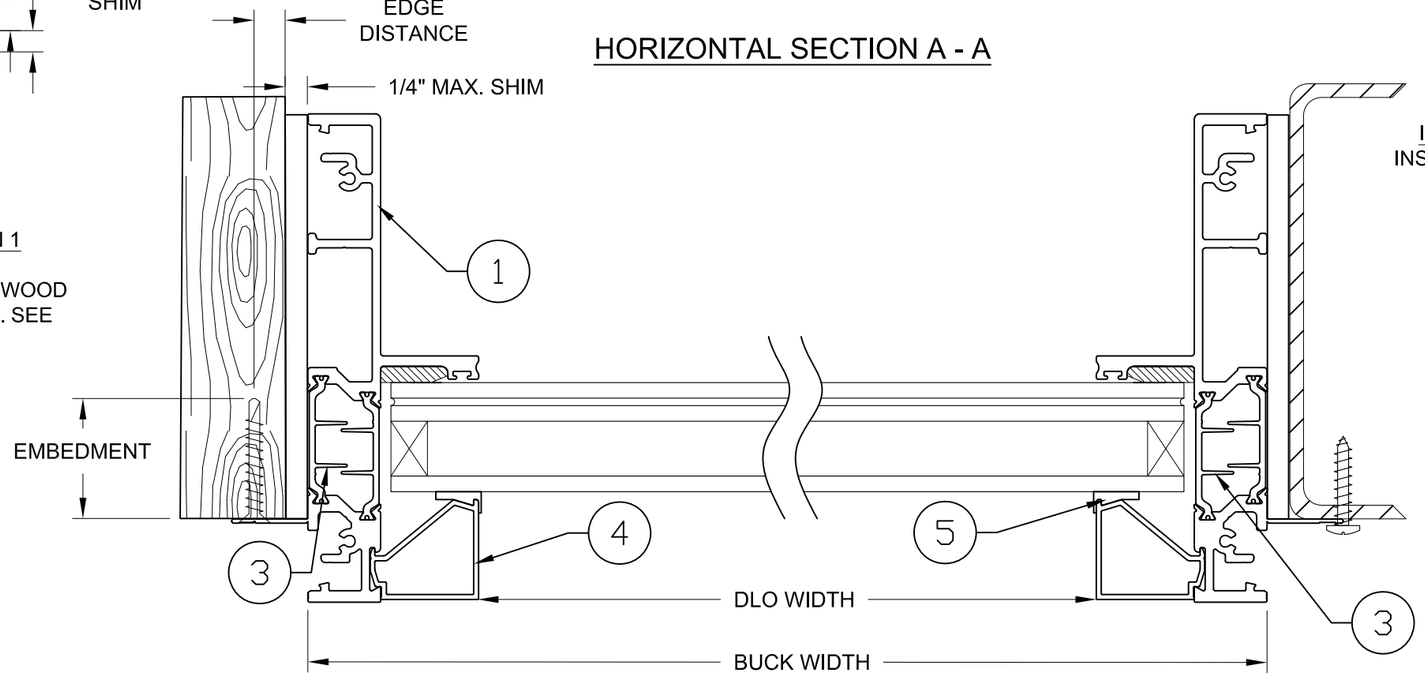
P.E.# 58705

INSTALLATION DETAILS FOR INTEGRAL FIN FRAMES



VERTICAL SECTION B - B

HORIZONTAL SECTION A - A



INSTALLATION OPTION 2
INSTALLATION THROUGH THE FIN, INTO METAL.
SEE ANCHOR TABLE 1.

EXTERIOR

NOTES:

1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED IN TABLE 1. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.

2) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 1. WOOD BUCKS DEPICTED AS 2X ARE 1-12" THICK OR GREATER. 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.

3) VISIBLE LIGHT WIDTH OR HEIGHT (ALSO REFERRED TO AS DAYLIGHT OPENING) IS MEASURED FROM BEADING TO BEADING.

4) MAXIMUM SHIM SPACING OF 18" ON CENTER.

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DWG No. CAPW7675FPA-LMI
Sheet 3 OF 5

western window systems
2200 E. Riverview Drive
Phoenix, AZ 85034
Tel (877) 268-1300

Title ALUMINUM FIXED CASEMENT PICTURE WINDOW
Desc. SECTION VIEWS-SINGLE
Series CAPW7675

ANTHONY LYNN MILLER
LICENSE
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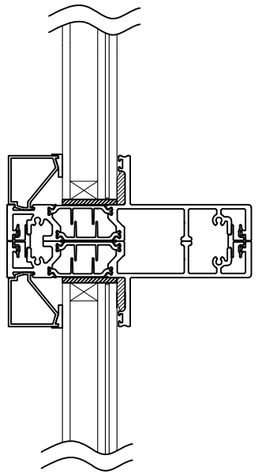
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/28/24
A. LYNN MILLER, P.E.
P.E.# 58705

INSTALLATION DETAILS FOR INTEGRAL FIN FRAMES MULLED WINDOWS



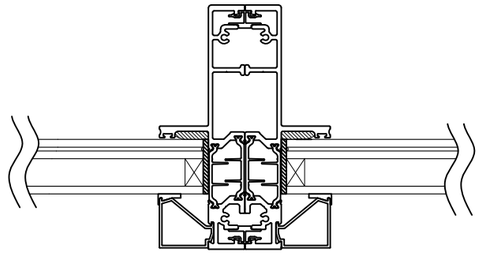
CAPW7675 MULLED TO CAPW7675

MULLION NOTES:

1) ANCHORS THROUGH MULLIONS ARE NOT REQUIRED. REMOVE FIN IN-FIELD.

2) FOR CLARITY, HARDWARE NOT SHOWN.

3) SEE EACH PRODUCT'S APPROVAL FOR DP AND INSTALLATION DETAILS.



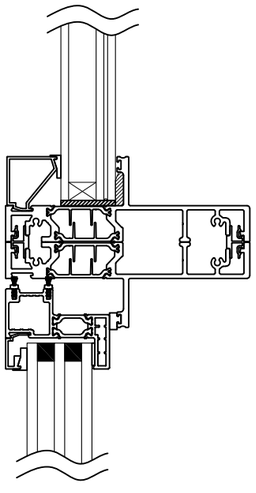
CAPW7675 MULLED TO CAPW7675

NOTES:

1) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN TABLE 1. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.

2) MAXIMUM SHIM SPACING OF 18" ON CENTER.

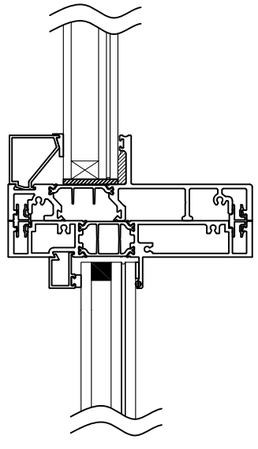
EXTERIOR



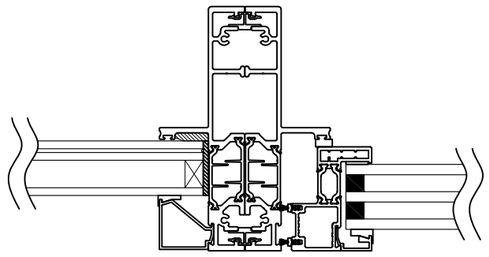
CAPW7675 MULLED TO AW7660 OR CA7670

VERTICAL SECTION C-C

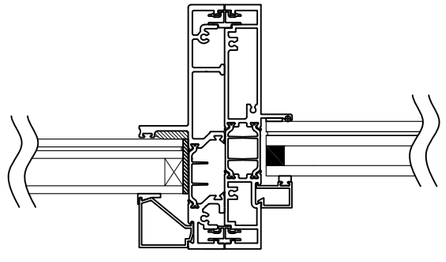
EXTERIOR



CAPW7675 MULLED TO PW7630



CAPW7675 MULLED TO AW7660 OR CA7670



CAPW7675 MULLED TO PW7630

HORIZONTAL SECTION D-D

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Date 08/2824
Drawn By S. BERKOWITZ
DWG No. CAPW7675FPA-LMI
Sheet 4 OF 5
Series CAPW7675
Desc. SECTION VIEW- MULLED UNITS
Title ALUMINUM FIXED CASEMENT PICTURE WINDOW

western window systems
2200 E. Riverview Drive
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Tel (877) 268-1300

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No. 58705
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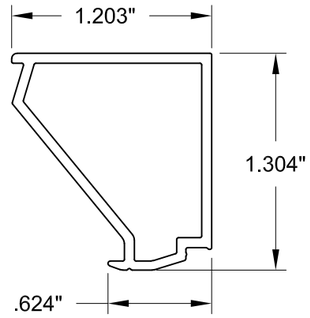
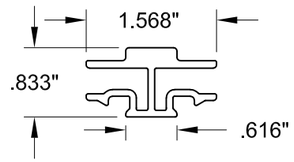
PROFESSIONAL ENGINEER
08/28/24
A. LYNN MILLER, P.E.
P.E.# 58705

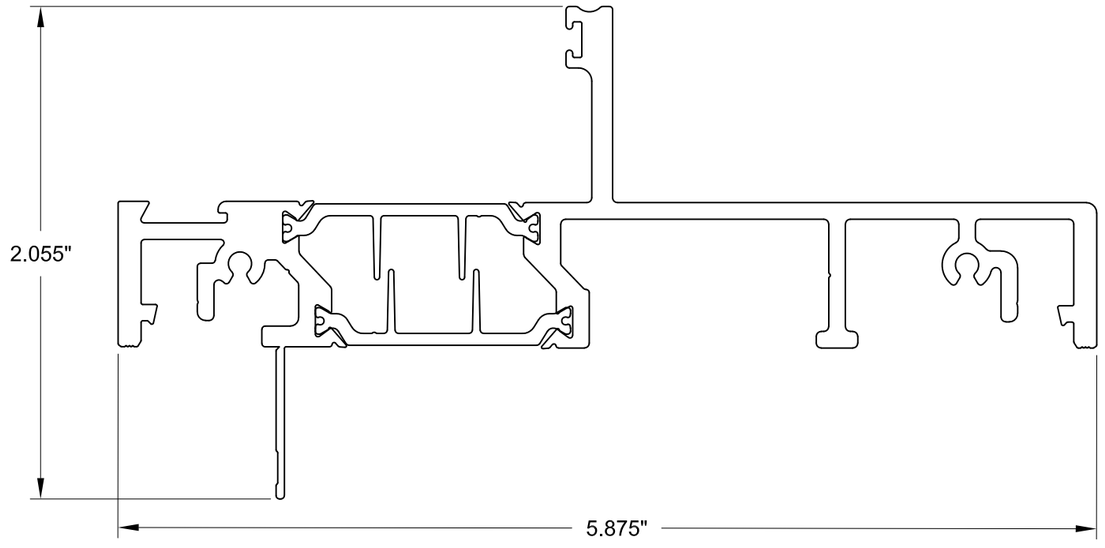
Item #	Part #	Part Description
1	E7645.1	7000 Hinged Window Head/Jamb (Nail Fin)
2	E7644.2	7000 Hinged Window Frame Interior
3	X3399	Insulbar
4	E7669	7675 1.3" OA Glass Stop
5	W12512	7000/900 EPDM WEDGE
6		RGS-7700 or DOW 983 or Dow 791
7	F5010SSS	Frame Install Fastener-8A X 1-1/4" PHL SMS Stainless
8	H2212	1/8 Glass Shim-VP Setting Block 2" x 1.123"x 0.125 PVC 1/8"
9	H232	1/16 Nail Fin Corner Gasket
10		Kimmerling Kodispace 4SG TPS Spacer
11		Mullion Clip



(4) E7669- 1.3 IN. OA GLASS STOP



(11) MULLION CLIP



(1) (2) (3) 7675 HINGED WINDOW HEAD/JAMB & FRAME INTERIOR

Rev.#
Date
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Drawn By S. BERKOWITZ

DWG No. CAPW7675FPA-LMI

Sheet 5 OF 5

Series CAPW7675

Desc. ALUMINUM FIXED CASEMENT PICTURE WINDOW
BILL OF MATERIAL & EXTRUSIONS

Title

western window systems

2200 E. Riverview Drive
Phoenix, AZ 85034
Tel (877) 268-1300

ANTHONY LYNN MILLER
LICENSE
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