

SERIES BF1199A, IMPACT-RESISTANT, ALUMINUM, OUTFOLDING BIFOLD DOOR

FLORIDA PRODUCT APPROVAL #28684

- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, (FBC) INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- 3) FOR MASONRY APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED MASONRY ANCHORS. MATERIALS USED FOR ANCHOR EVALUATIONS WERE SOUTHERN PINE, ASTM C90 CONCRETE MASONRY UNITS (CMU'S) OF NORMAL WEIGHT AND OF COMPRESSIVE STRENGTH OF MIN. 1.9 KSI AND CONCRETE WITH MIN. KSI PER ANCHOR TYPE.
- 4) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 3, SHEET 2. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 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.
- 5) IF SILL IS TIGHT TO SUBSTRATE, GROUT IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT AT 3.4 KSI MIN. PER ASTM C1107, (DONE BY OTHERS). MAX. 1/4" SHIM SPACE FOR GROUT WHICH MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE, AND TRANSFER SHEAR LOAD TO SUBSTRATE. IF SUBSTRATE IS WOOD, 30# FELT PAPER OR MASTIC IS REQUIRED BETWEEN THE GROUT AND WOOD SUBSTRATE, OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION, COMPLYING WITH THE FBC.
- 6) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE THE EMBEDMENT SHOWN ON TABLE 3, SHEET 2. NARROW JOINT SEALANT IS USED ON ALL FOUR CORNERS OF THE FRAME. EXTERIOR INSTALLATION ANCHORS SHOULD BE SEALED. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.
- 7) MAX. 1/4" SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION 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 DOOR.
- 8) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS 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 (INCLUDING ADOPTED STANDARDS) FOR CORROSION RESISTANCE.

TABLE 1A:

Design Pressure (lbs/ft ²) for Glass Type 1						
Frame Height	Panel Width					
	22"	30"	35"	36"	42"	48"
96"	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70
105"	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+/-60.8
120"	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+/-63.9
132"	+65/-70	+65/-70	+56.9/-61.3	+55.5/-59.8		
144"	+65/-70	+50.2/-54.1	+43.6/-47			

TABLE 1B:

Design Pressure (lbs/ft ²) for Glass Types 2, 3, 4, 6, 7, 8, 10, 11, 12 & OP*						
Frame Height	Panel Width					
	22"	30"	35"	36"	42"	48"
96"	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70
105"	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70
120"	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70
132"	+65/-70	+65/-70	+56.9/-61.3	+55.5/-59.8		
144"	+65/-70	+50.2/-54.1	+43.6/-47			

*(+) DP LIMITED TO +60.0 PSF.

TABLE 1C:

Design Pressure (lbs/ft ²) for Glass Types 5 & 9						
Frame Height	Panel Width					
	22"	30"	35"	36"	42"	48"
96"	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70
105"	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-68.7
120"	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70
132"	+65/-70	+65/-70	+56.9/-61.3	+55.5/-59.8		
144"	+65/-70	+50.2/-54.1	+43.6/-47			

TABLES 1A-1D: WATER INFILTRATION RESTRICTIONS MAY APPLY, SEE FIG. A ON SHEET 2.

CONFIGURATIONS SHOWN THROUGHOUT THIS APPROVAL ARE SAMPLE CONFIGURATIONS. ANY VERTICAL STILE CONDITION FROM DETAILS A-L MAY BE USED IN ANY CONFIGURATION.

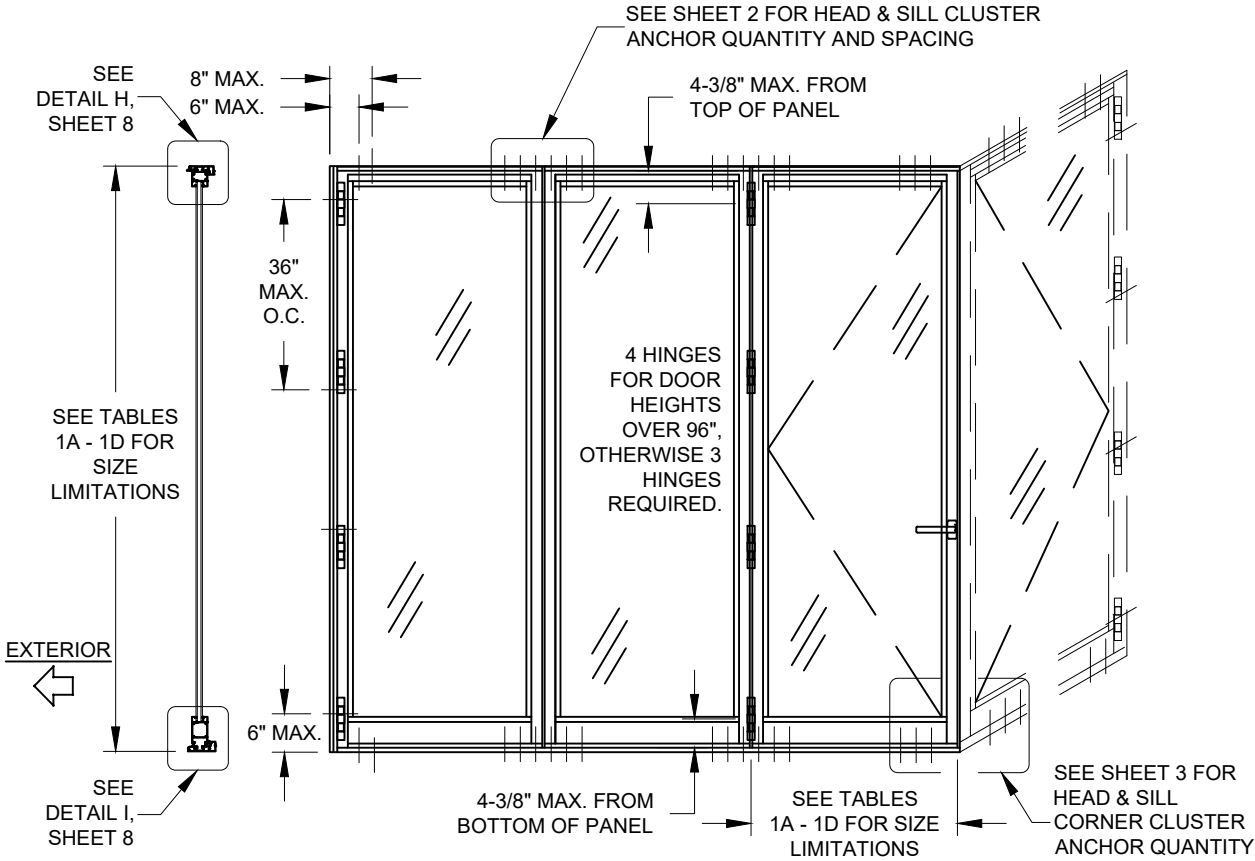
TABLE 1D:

Design Pressure (lbs/ft ²) for Glass Types 13, 14 & 15						
Frame Height	Panel Width					
	22"	30"	35"	36"	42"	48"
80"	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70
90"	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70
96"	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70
105"	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70
120"	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70

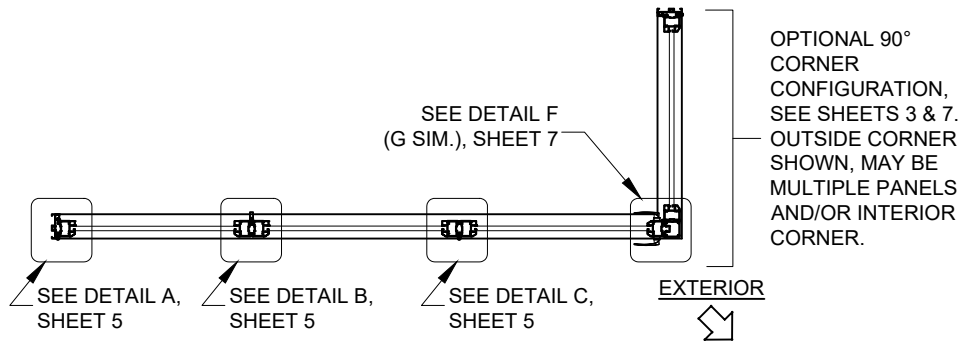
OUTSIDE HVHZ: UNLIMITED NUMBER OF PANELS PROVIDED MAXIMUM PANEL SIZE, FROM TABLES 1A-1D, IS NOT EXCEEDED.

INSIDE HVHZ: UNLIMITED NUMBER OF PANELS PROVIDED MAXIMUM PANEL SIZE FROM TABLES 1A-1D AND MAXIMUM FRAME SQUARE FOOTAGE OF 428 FT² IS NOT EXCEEDED.

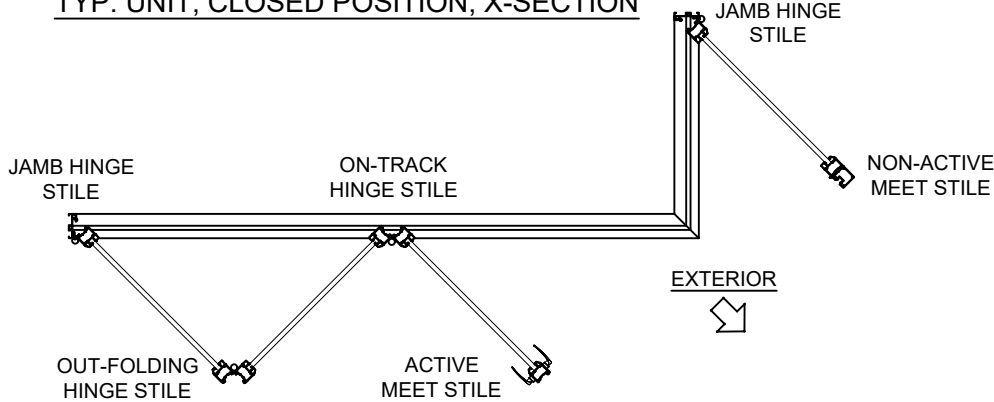
DLO WIDTH = PANEL WIDTH - 6-1/2"
DLO HEIGHT = FRAME HEIGHT - 11-1/16"



TYP. UNIT, CLOSED POSITION, EXT. ELEVATION



TYP. UNIT, CLOSED POSITION, X-SECTION



TYP. UNIT, OPEN POSITION, X-SECTION

DESIGN PRESSURE RATING

SEE TABLES 1A - 1D,
THIS SHEET

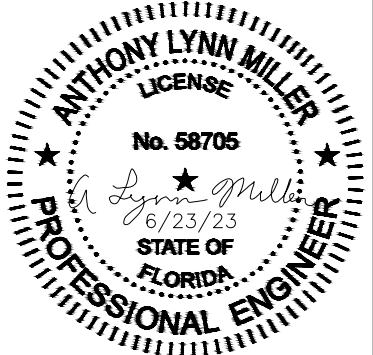
IMPACT RATING

RATED FOR LARGE & SMALL
MISSILE IMPACT RESISTANCE

CHANGE DP TABLE 1D
REMOVED DP TABLE 1E

AM - 6/23/23

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 COPYRIGHT © 2022 WINDOOR, INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.		06/16/19	
								Date	
ALUMINUM BIFOLD DOOR (IMPACT)		A MORLESIN		1199FPA-1D-1		Rev.		E	
GENERAL NOTES		Drawn By		DWG. No.		1 OF 9		Sheet	
BF1199A		1 OF 9		Sheet		BF1199A		Series	



A. LYNN MILLER, P.E., P.E.# 58705

TABLE 2:

Min. Quantity of Anchors at Jamb & Head/Sill Cluster								
Frame Height	Anchor Location on Frame	Anchor Group	Panel Width					
			22"	30"	35"	36"	42"	48"
84"	Head & Sill Cluster	A	3	3	4	4	4	5
	Jamb		3	3	3	3	3	3
	Head & Sill Cluster	B	3	3	3	3	3	4
	Jamb		3	3	3	3	3	3
90"	Head & Sill Cluster	A	3	4	4	4	5	6
	Jamb		3	3	3	3	3	3
	Head & Sill Cluster	B	3	3	3	3	4	4
	Jamb		4	4	4	4	4	4
96"	Head & Sill Cluster	A	3	4	4	5	5	6
	Jamb		4	4	4	4	4	4
	Head & Sill Cluster	B	3	3	3	3	4	4
	Jamb		4	4	4	4	4	4
105"	Head & Sill Cluster	A	3	4	5	5	6	6
	Jamb		3	3	3	3	3	4
	Head & Sill Cluster	B	3	3	4	4	4	5
	Jamb		4	4	4	4	4	4
120"	Head & Sill Cluster	A	4	5	5	6	6	
	Jamb		4	4	4	4	4	
	Head & Sill Cluster	B	3	3	4	4	5	
	Jamb		4	4	4	4	4	
132"	Head & Sill Cluster	A	4	5	5	5		
	Jamb		5	5	5	5		
	Head & Sill Cluster	B	3	4	4	4		
	Jamb		5	5	5	5		
144"	Head & Sill Cluster	A	4	4	4			
	Jamb		5	5	5			
	Head & Sill Cluster	B	3	3	3			
	Jamb		5	5	5			

DLO WIDTH = PANEL WIDTH - 6-1/2"
DLO HEIGHT = FRAME HEIGHT - 11-1/16"

FIGURE A:

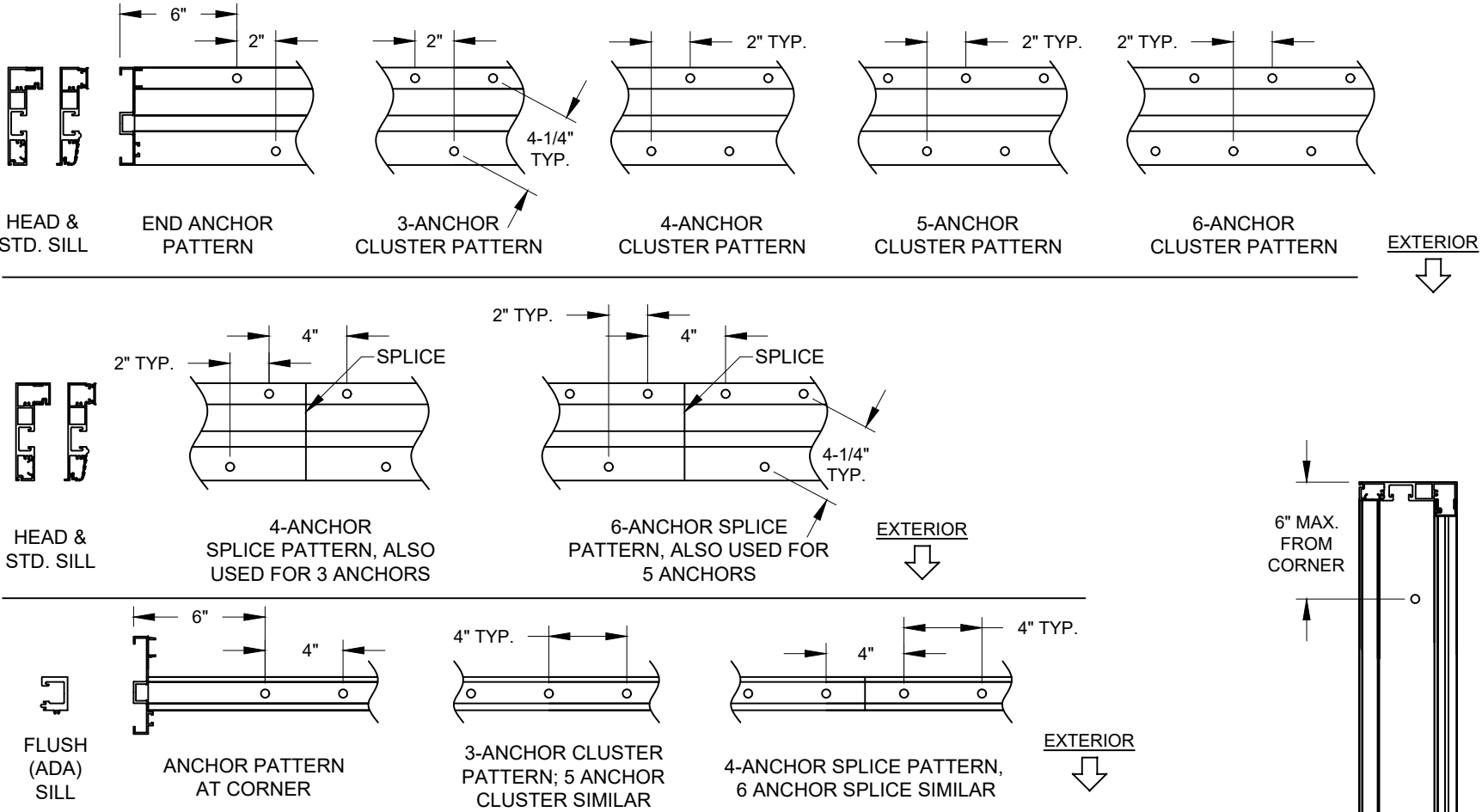
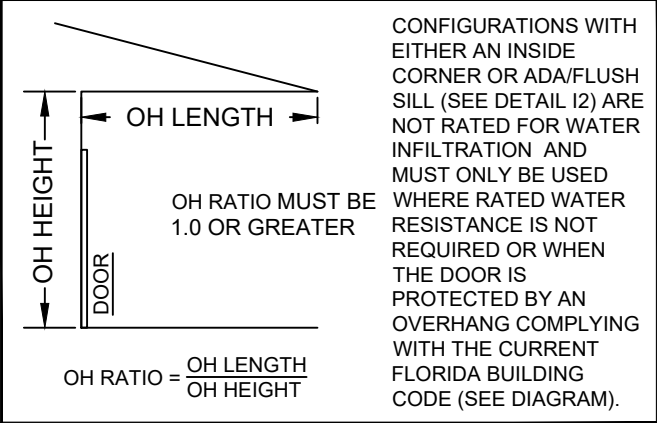
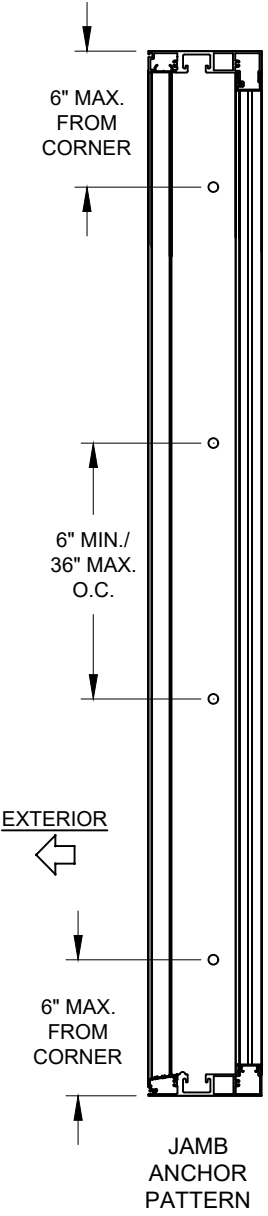


TABLE 3:

Anchor Group	Anchor Type	Frame Member	Substrate	Min. Edge Distance	Min. Embedment or Metal Thickness
A	#12 Steel SMS (Gr. 5) or 18-8 SS SMS	All	Southern Pine (SG = 0.55)	9/16"	1-3/8"
			6063-T5 Aluminum	3/8"	0.071"
			A36 Steel	3/8"	.050"
			Steel Stud, Gr. 33	3/8"	0.045" (18 Ga)
	1/4" Elco UltraCon, 1/4" 410 SS Elco CreteFlex or 1/4" DeWalt Ultracon+	All	Southern Pine (SG = 0.55)	1"	1-3/8"
B	1/4" DeWalt Ultracon+	All	Concrete (min. 3.0 ksi)	1-1/4"	1-3/8"
		Jamb	Hollow or Grout-filled CMU (ASTM C90)	1"	1-1/4"
	1/4" 410 SS Elco CreteFlex	All	Concrete (min. 3.35 ksi)	1"	1-3/4"
	1/4" DeWalt Ultracon+	All	Concrete (min. 3.0 ksi)	2-1/2"	1-3/8"
		Jamb	Hollow or Grout-filled CMU (ASTM C90)	2-1/2"	1-1/4"
	1/4" 410 SS Elco CreteFlex	All	Concrete (min. 3.35 ksi)	1-3/4"	1-3/4"
		Jamb	Hollow or Grout-filled CMU (ASTM C90)	2-1/2"	1-1/4"



NOTES:

- 1) ANCHOR CLUSTER PATTERN IN THE HEAD AND SILL IS TO BE CENTERED ON THE MEETING POINT OF THE 2 PANELS.
- 1) ALL ANCHOR HEAD TYPES ARE APPLICABLE.
2) MIN. OF 3 THREADS BEYOND METAL SUBSTRATE.

Revision: AM - 6/23/23

REMOVED ULTRACONS FROM ANCHOR TABLE.

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

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

ALUMINUM BIFOLD DOOR (IMPACT)

06/16/19
Date

A MORLESIN
By

1199FPA-1D-1
No.

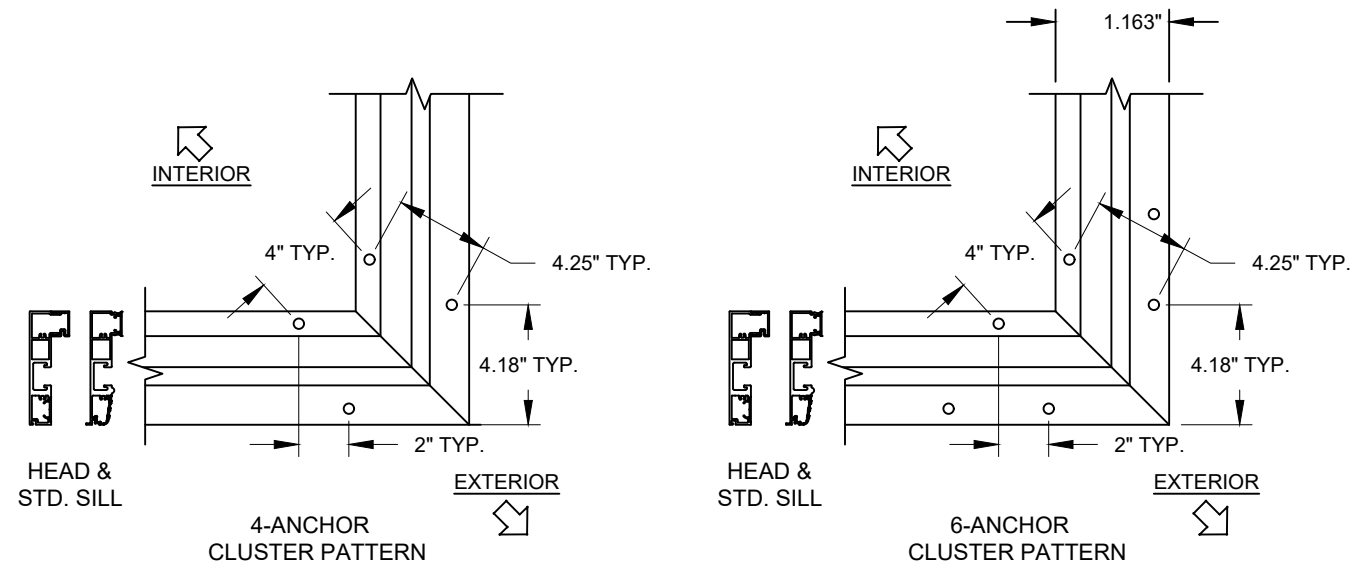
2 OF 9
DWC

BF1199A
Sheet

E
Rev.

ANTHONY LYNN MILLER
LICENSE
No. 58705
6/23/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER

A. LYNN MILLER, P.E., P.E.# 58705



OUTSIDE CORNER CLUSTER PATTERNS

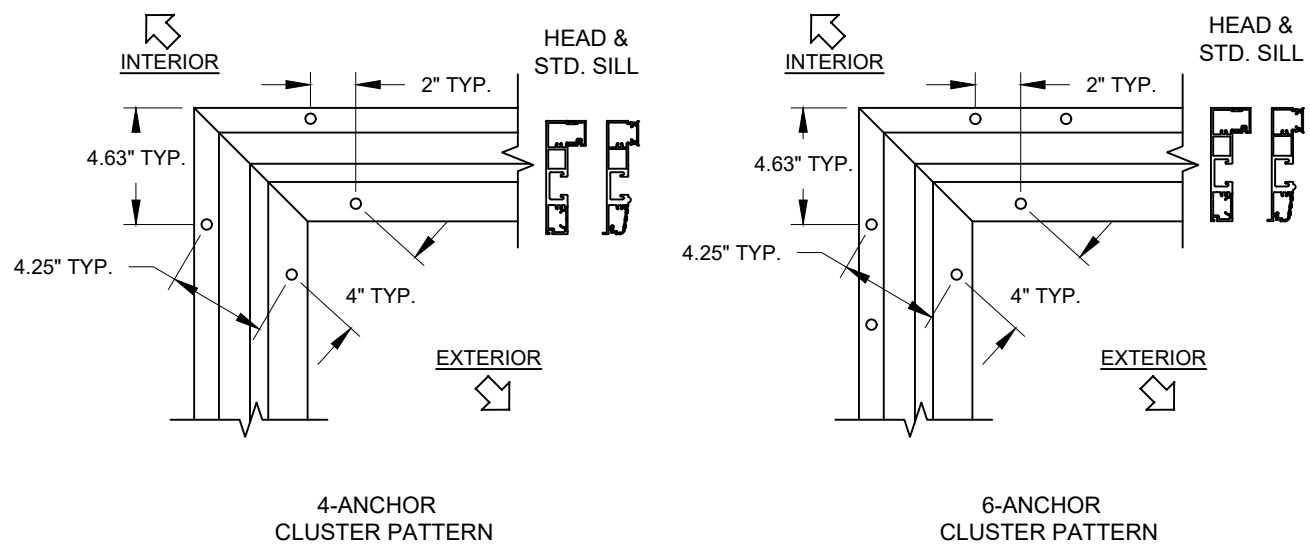


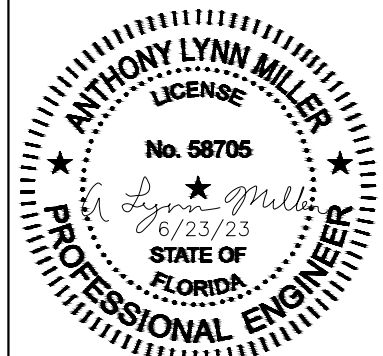
TABLE 4:

Frame Height	Anchor Location on Frame	Anchor Group	Panel Width					
			22"	30"	35"	36"	42"	48"
80"	Head & Sill	A	4	4	4	4	4	6
		B	4	4	4	4	4	4
90"	Head & Sill	A	4	4	4	4	6	6
		B	4	4	4	4	4	4
96"	Head & Sill	A	4	4	4	6	6	6
		B	4	4	4	4	4	4
105"	Head & Sill	A	4	4	6	6	6	6
		B	4	4	4	4	4	6
120"	Head & Sill	A	4	6	6	6	6	
		B	4	4	4	4	6	
132"	Head & Sill	A	4	6	6	6		
		B	4	4	4	4		
144"	Head & Sill	A	4	4	4			
		B	4	4	4			

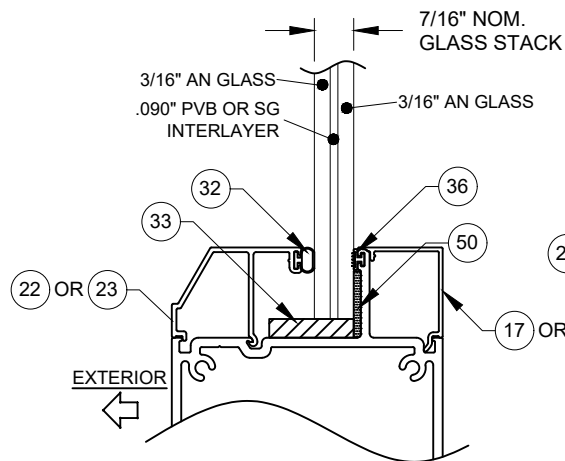
DLO WIDTH = PANEL WIDTH - 6-1/2"
DLO HEIGHT = FRAME HEIGHT - 11-1/16"

Revision:

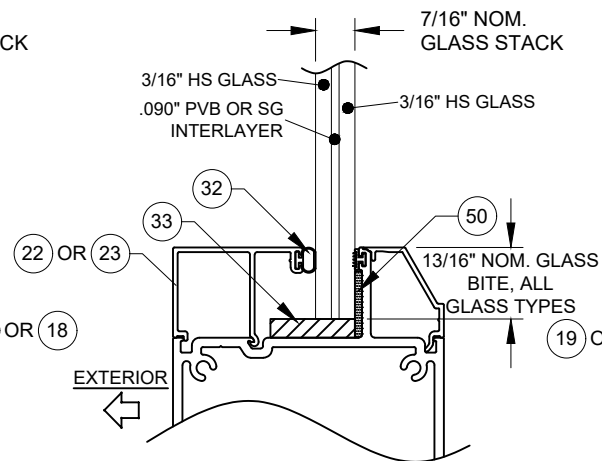
WINDOOR [®] <u>INCORPORATED</u>		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600			
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Title		ALUMINUM BIFOLD DOOR (IMPACT)		Date	06/16/19
Desc.		CORNER ANCHORAGE		By Drawn	A MORLESIN
Series	BF1199A	Sheet	3 OF 9	DWG No.	1199FPA-1D-1
				Rev.	E



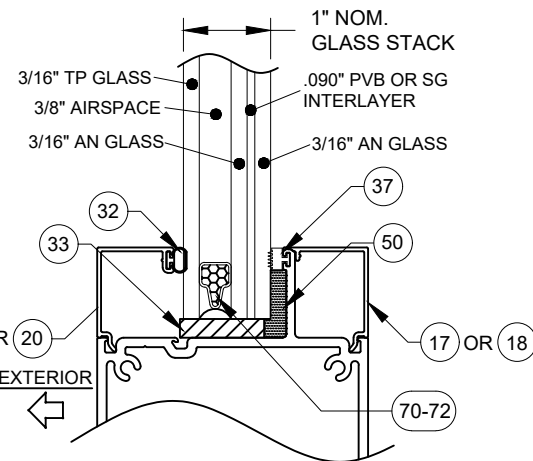
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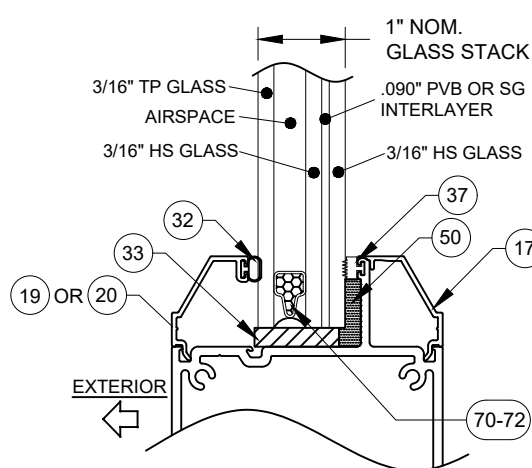
GLASS TYPE 1 (WITH PVB)
GLASS TYPE 2 (WITH SG)



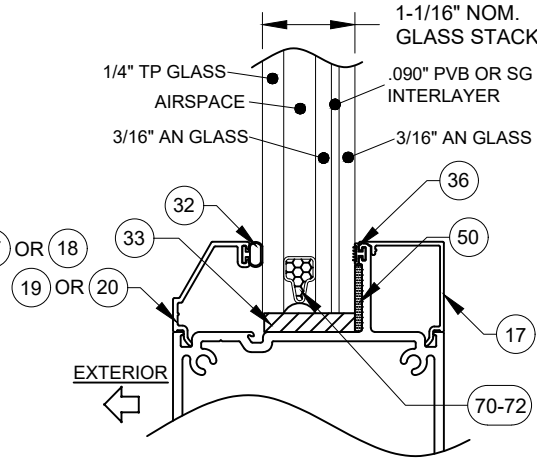
GLASS TYPE 3 (WITH PVB)
GLASS TYPE 4 (WITH SG)



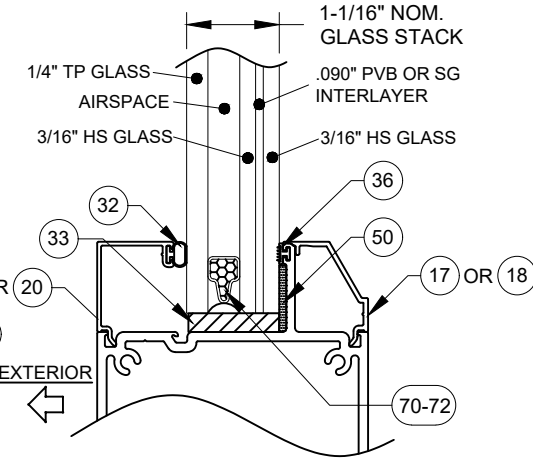
GLASS TYPE 5 (WITH PVB)
GLASS TYPE 6 (WITH SG)



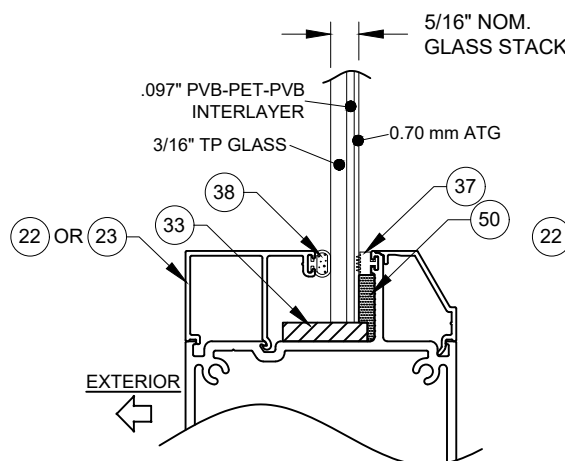
GLASS TYPE 7 (WITH PVB)
GLASS TYPE 8 (WITH SG)



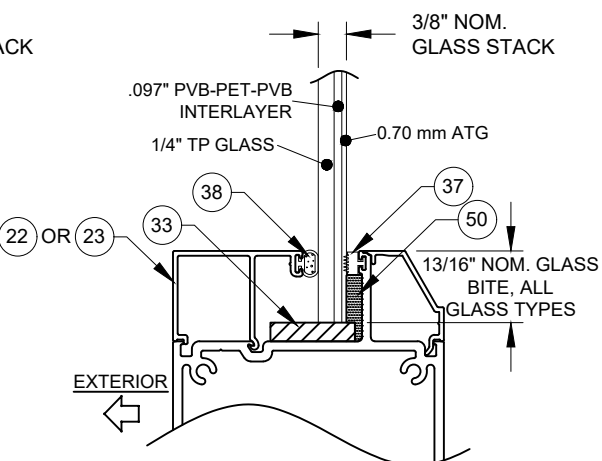
GLASS TYPE 9 (WITH PVB)
GLASS TYPE 10 (WITH SG)



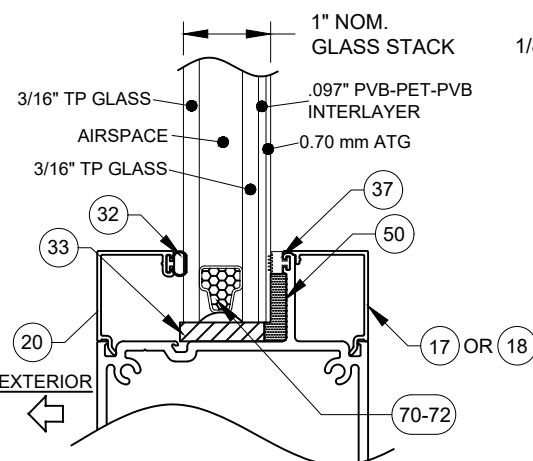
GLASS TYPE 11 (WITH PVB)
GLASS TYPE 12 (WITH SG)



GLASS TYPE 13



GLASS TYPE 14

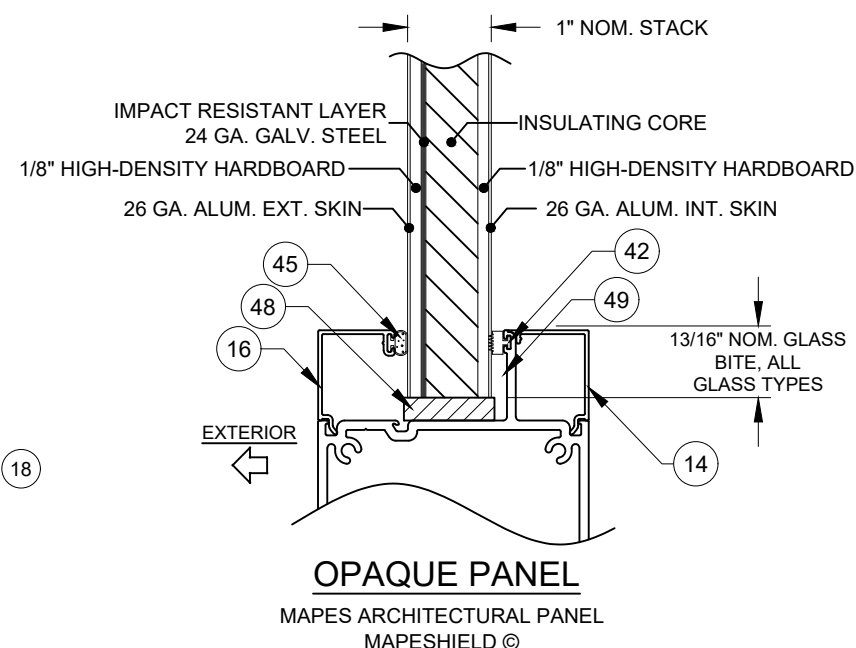


GLASS TYPE 15

TABLE 5:

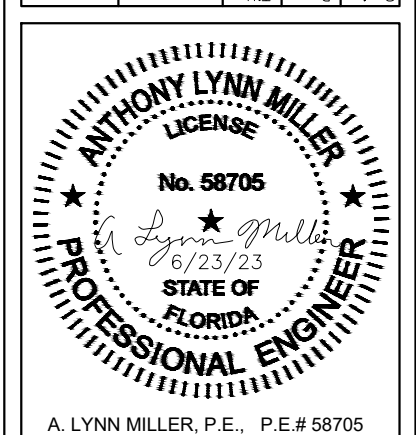
Glass Type	Description (Listed from Exterior to Interior)
1	3/16" AN, .090" PVB, 3/16" AN
2	3/16" AN, .090" SG, 3/16" AN
3	3/16" HS, .090" PVB, 3/16" HS
4	3/16" HS, .090" SG, 3/16" HS
5	1" LIG: 3/16" TP CAP, AIRSPACE, 3/16" AN, .090" PVB, 3/16" AN
6	1" LIG: 3/16" TP CAP, AIRSPACE, 3/16" AN, .090" SG, 3/16" AN
7	1" LIG: 3/16" TP CAP, AIRSPACE, 3/16" HS, .090" PVB, 3/16" HS
8	1" LIG: 3/16" TP CAP, AIRSPACE, 3/16" HS, .090" SG, 3/16" HS
9	1-1/16" LIG: 1/4" TP CAP, AIRSPACE, 3/16" AN, .090" PVB, 3/16" AN
10	1-1/16" LIG: 1/4" TP CAP, AIRSPACE, 3/16" AN, .090" SG, 3/16" AN
11	1-1/16" LIG: 1/4" TP CAP, AIRSPACE, 3/16" HS, .090" PVB, 3/16" HS
12	1-1/16" LIG: 1/4" TP CAP, AIRSPACE, 3/16" HS, .090" SG, 3/16" HS
13	5/16" LAMI: 3/16" TP - 0.097" PVB-PET-PVB - 0.70mm ATG
14	3/8" LAMI: 1/4" TP - .097" PVB-PET-PVB - 0.7mm ATG
15	1" LAMI IG: 3/16" TP Cap - AIRSPACE - 3/16" TP - 0.097" PVB-PET-PVB - 0.70mm ATG
OP	MAPES ARCHITECTURAL OPAQUE PANEL, MapeShield

AN = ANNEALED
HS = HEAT STRENGTHENED
TP = TEMPERED
PVB = .090" TROSIFOL® PVB INTERLAYER BY KURARAY AMERICA, INC.
SG = .090" SENTRYGLAS® INTERLAYER BY KURARAY AMERICA, INC.
PVB-PET-PVB = .097" PVB-PET-PVB INTERLAYER BY KURARAY AMERICA, INC.
ATG= 0.7mm ARCHITECTURAL TECHNICAL GLASS BY CORNING, INC.

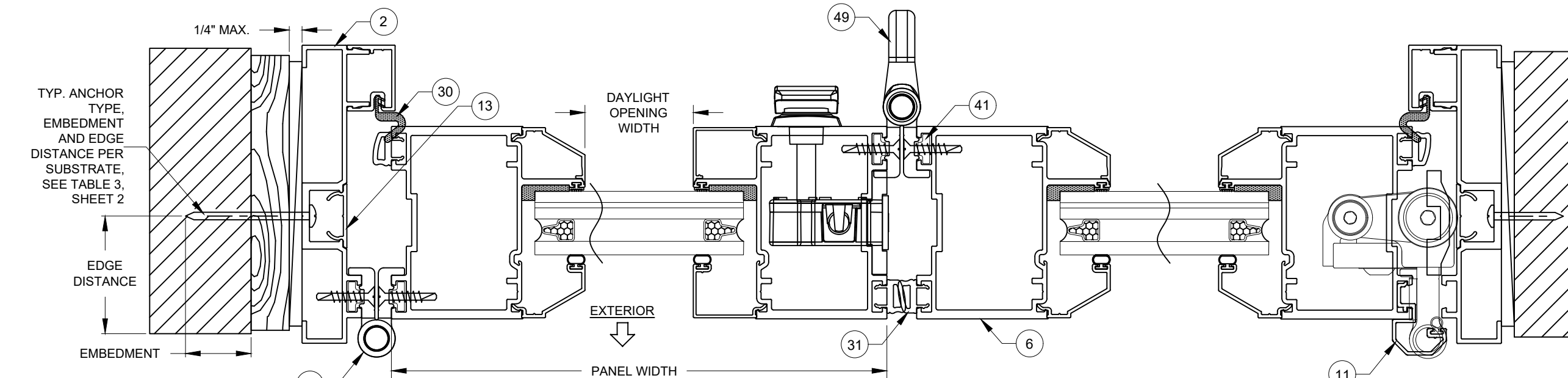


OPAQUE PANEL
MAPES ARCHITECTURAL PANEL
MAPESHIELD ©

Revision:		By		Date	
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WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD N. VENICE, FL 34275 (833) 554-5432		4 OF 9		BF1199A	
ALUMINUM BIFOLD DOOR (IMPACT)		GLAZING		Sheet	
Series		Desc.		Title	



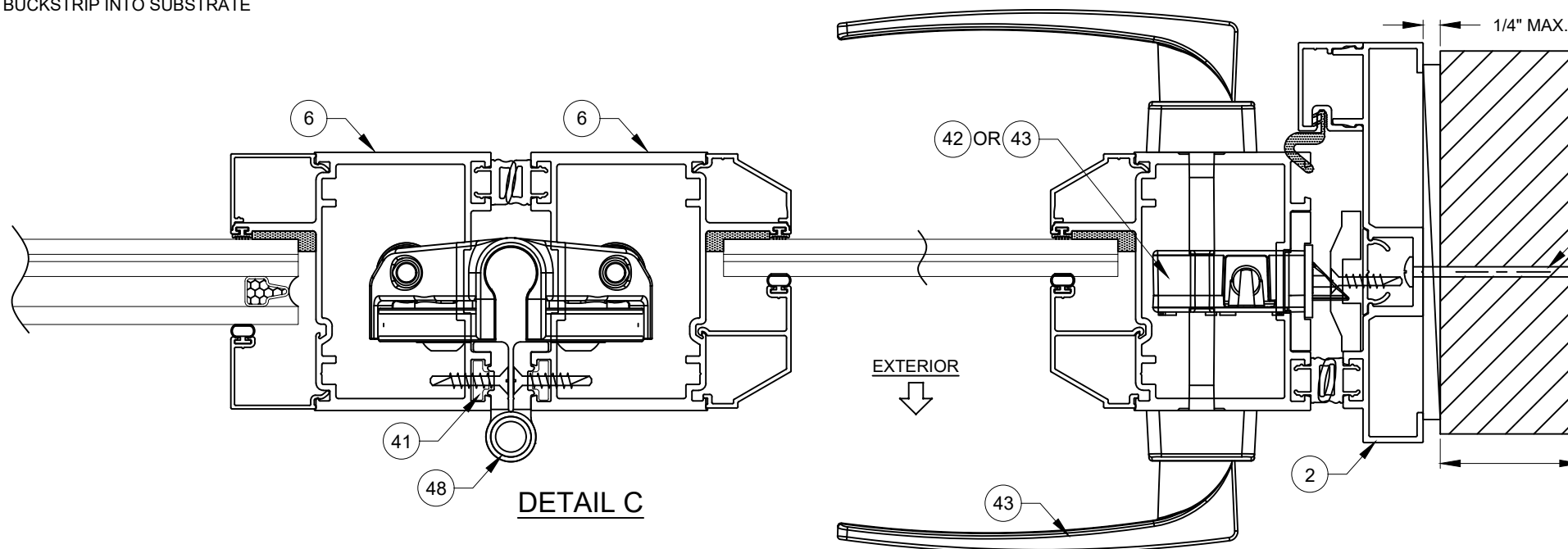
A. LYNN MILLER, P.E., P.E.# 58705



INSTALLATION OPTION 1
ANCHORED THROUGH FRAME AND 1X
BUCKSTRIP INTO SUBSTRATE

DETAIL B

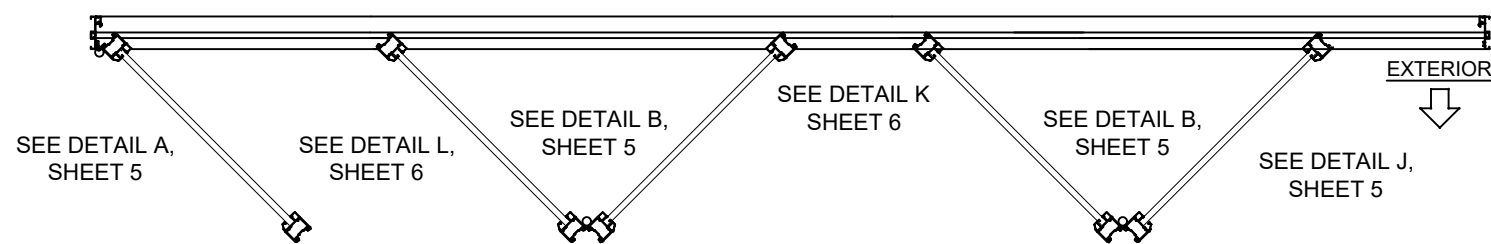
DETAIL J



DETAIL C

DETAIL D

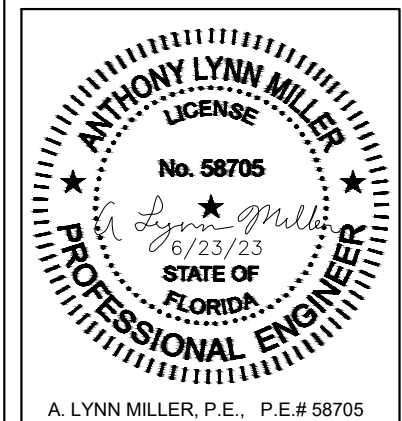
INSTALLATION OPTION 2
ANCHORED THROUGH FRAME
DIRECTLY INTO SUBSTRATE



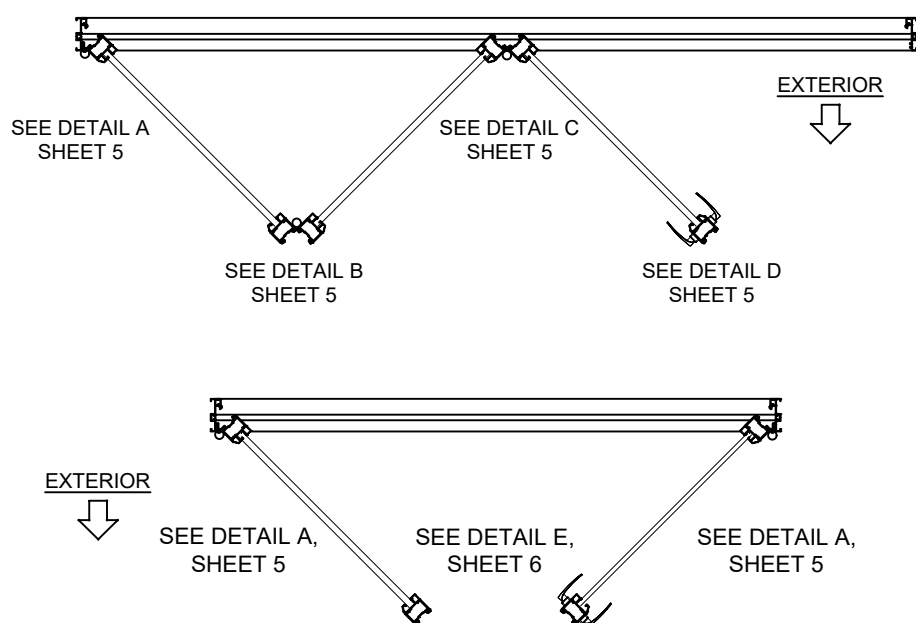
NOTES:

- 1) USE ONLY SUBSTRATE APPROPRIATE ANCHORS, FOLLOW EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS PER TABLE 3, SHEET 2. ANY INSTALLATION OPTION SHOWN MAY BE USED. ALL ANCHOR HEAD TYPES ARE ALLOWED.
- 2) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL. UNIT MAY BE INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 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.

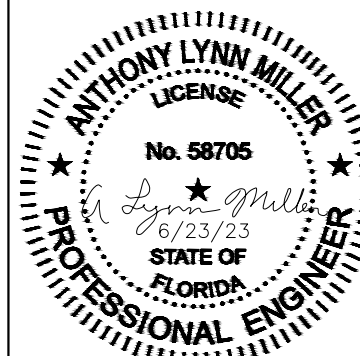
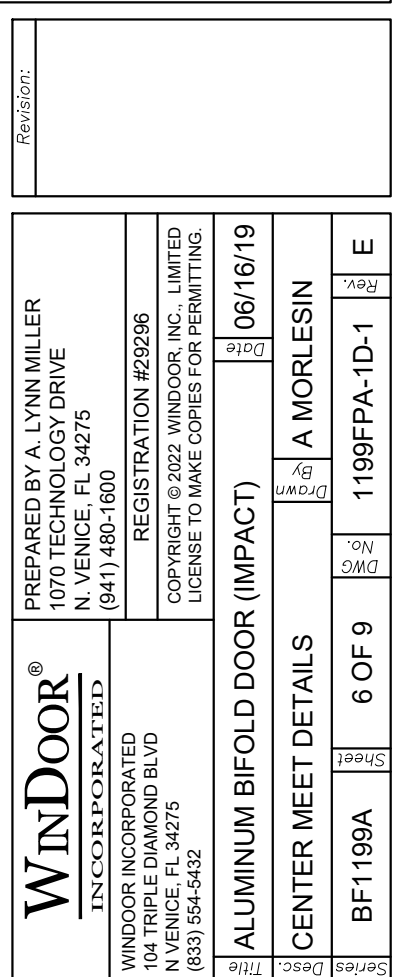
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ALUMINUM BIFOLD DOOR (IMPACT)	
Date: 06/16/19	
By: A MORLESIN	
DWC No. 1199FPA-1D-1	
Rev. E	
Series Desc. Title	
HORIZ. SECTION	
5 OF 9	
Sheet	
BF1199A	



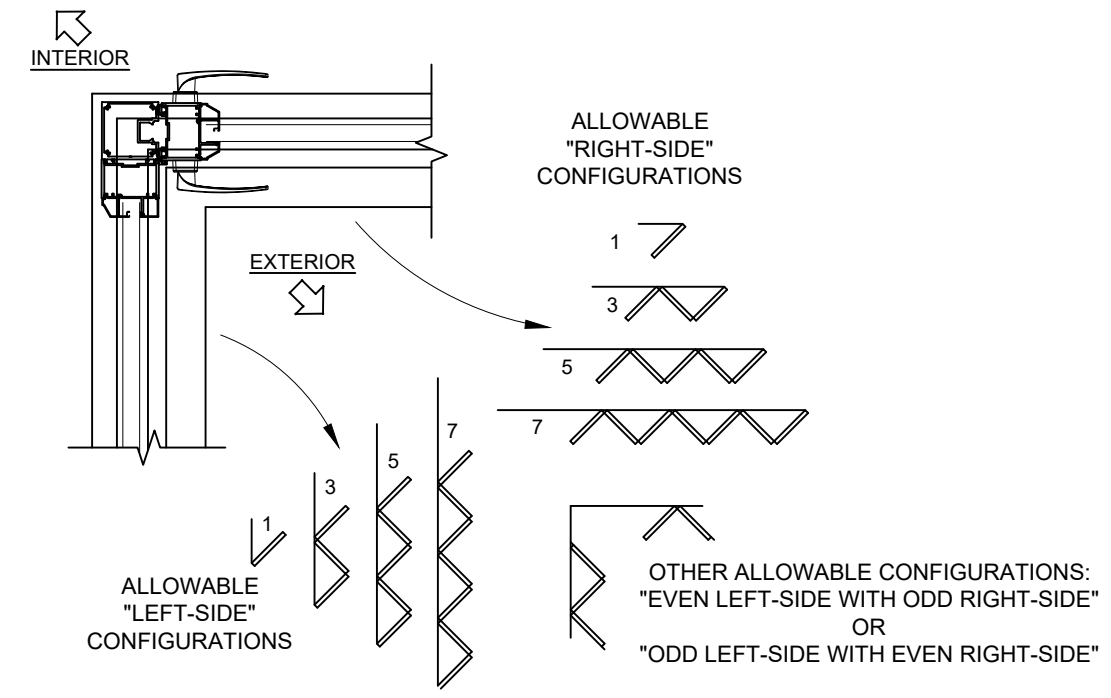
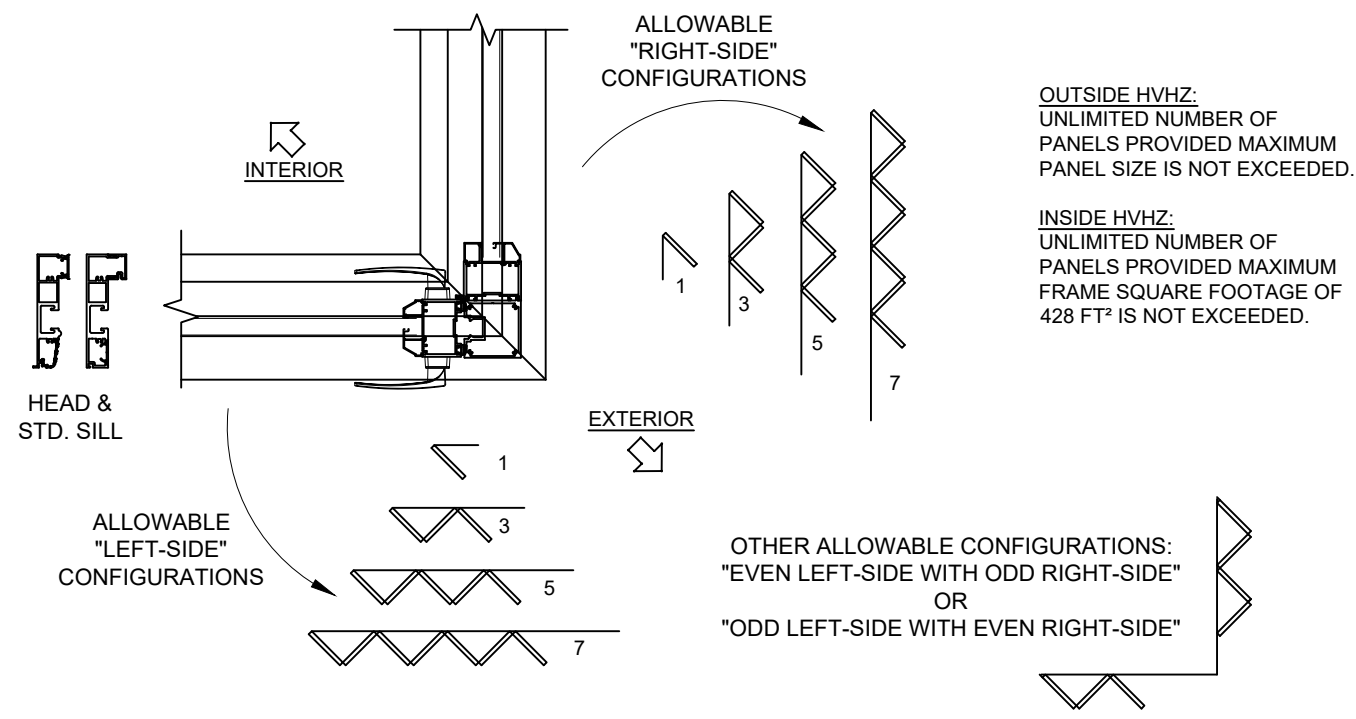
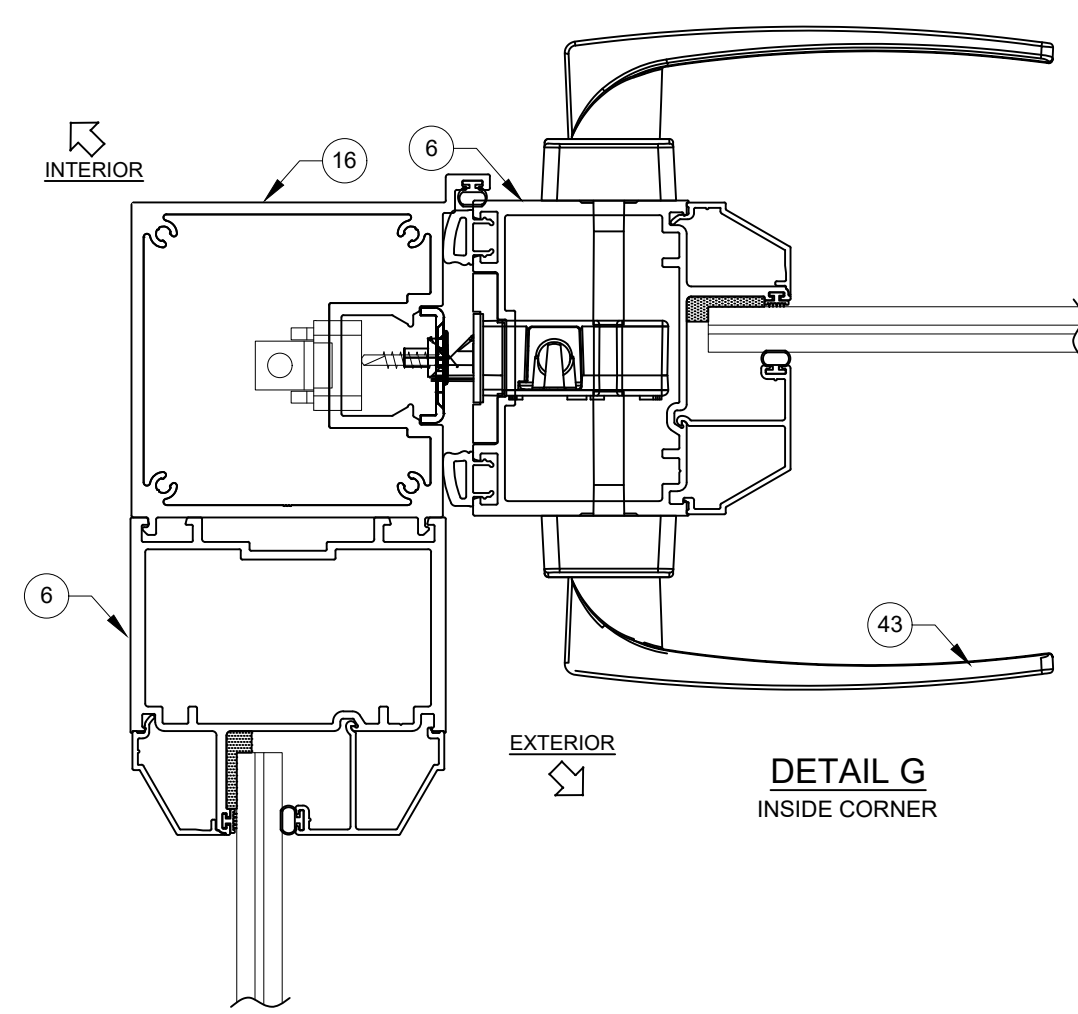
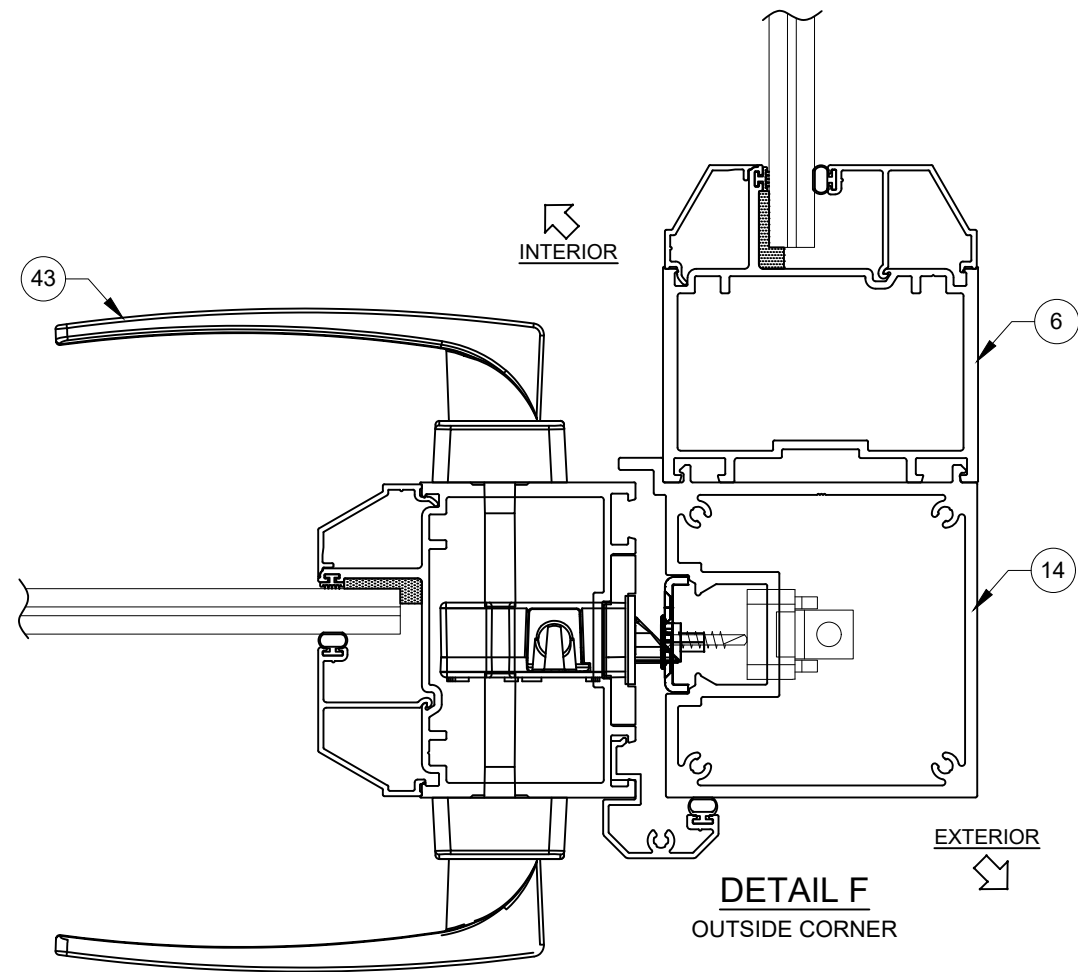
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2) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL. UNIT MAY BE INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.



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ALUMINUM BIFOLD DOOR (IMPACT)

CORNER DOOR DETAILS

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Rev. E

7 OF 9

Sheet

Series

Desc.

Title

Professional Engineer

Anthony Lynn Miller

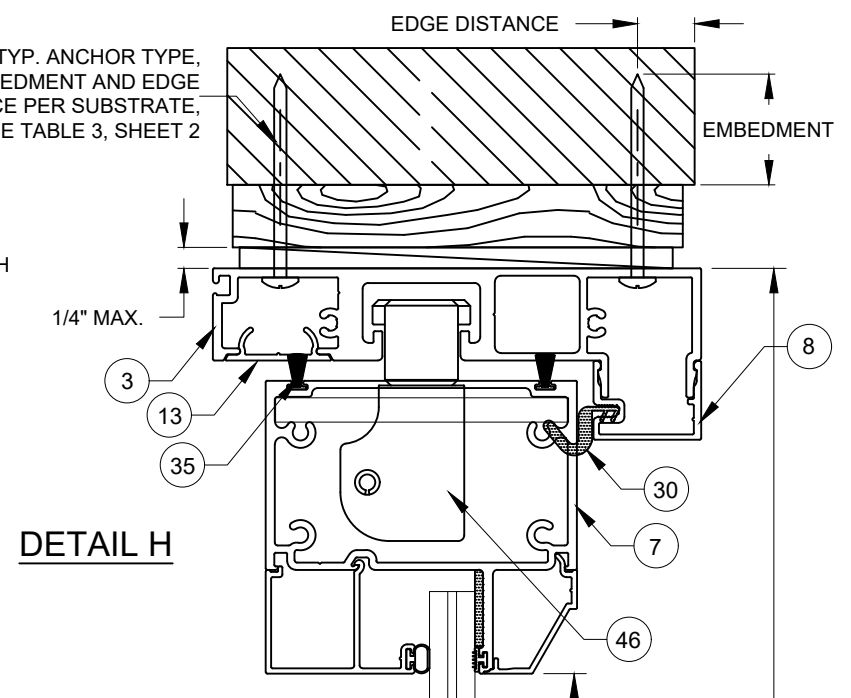
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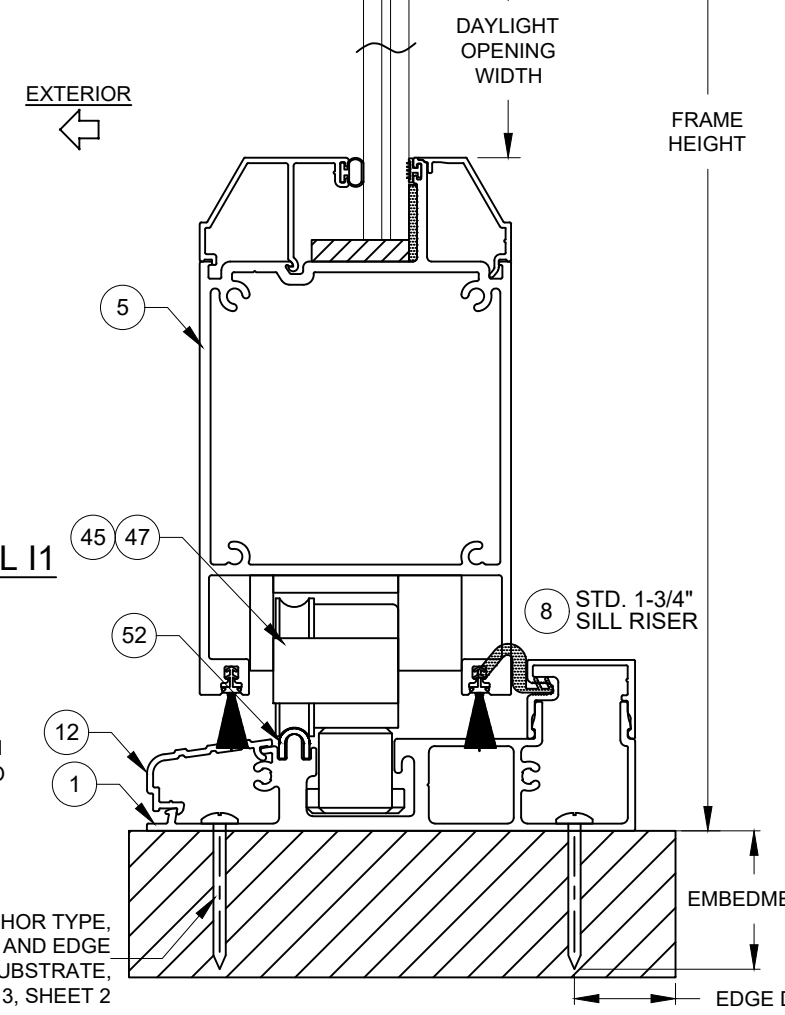
STATE OF FLORIDA

A. LYNN MILLER, P.E., P.E.# 58705

**INSTALLATION
OPTION 1**
ANCHORED THROUGH
FRAME AND 1X
BUCKSTRIP INTO
SUBSTRATE



DETAIL H



DETAIL I1

**INSTALLATION
OPTION 2**
ANCHORED THROUGH
FRAME DIRECTLY INTO
SUBSTRATE

TYP. ANCHOR TYPE,
EMBEDMENT AND EDGE
DISTANCE PER SUBSTRATE,
SEE TABLE 3, SHEET 2

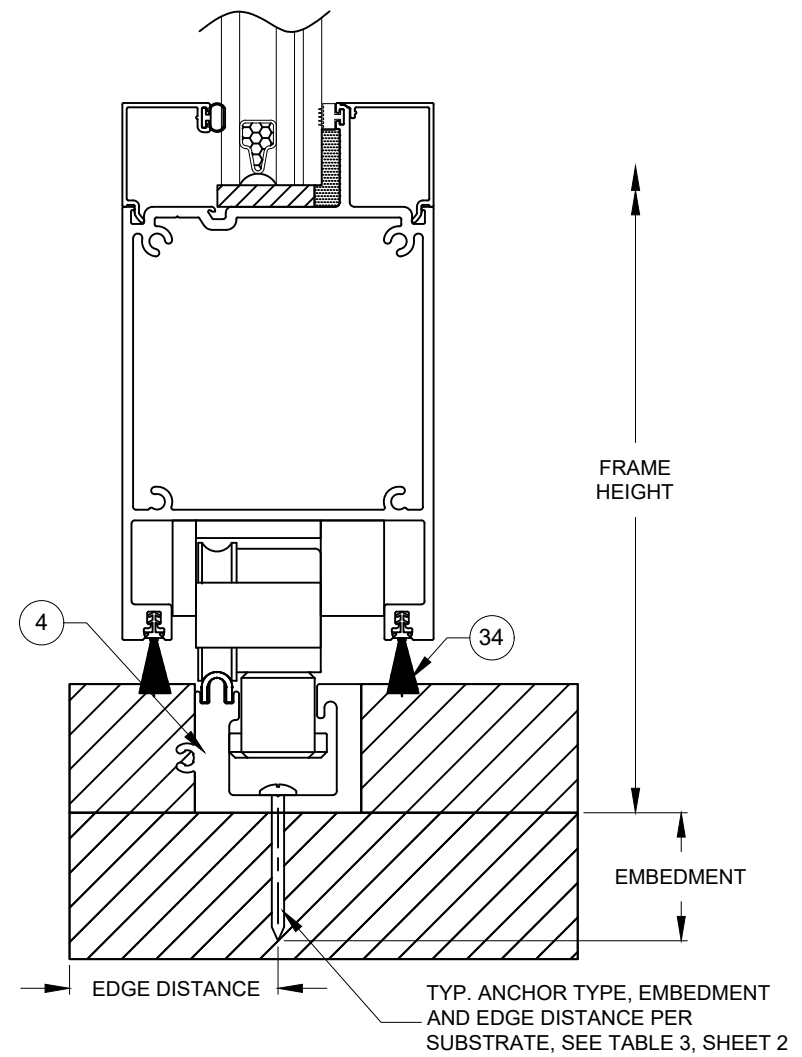
OUT-FOLD WITH STANDARD SILL

NOTES:

- 1) USE ONLY SUBSTRATE APPROPRIATE ANCHORS, FOLLOW EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS PER TABLE 3, SHEET 2. ANY INSTALLATION OPTION SHOWN MAY BE USED. ALL ANCHOR HEAD TYPES ARE ALLOWED.
- 2) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL. UNIT MAY BE INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 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.

DETAIL I2

**INSTALLATION
OPTION 3**
ANCHORED THROUGH
FRAME DIRECTLY INTO
FITTED SUBSTRATE



OUT-FOLD WITH ADA, FLUSH SILL
(NOT RATED FOR WATER INFILTRATION)

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ALUMINUM BIFOLD DOOR (IMPACT)

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8 OF 9
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No. 58705
6/23/23
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FLORIDA
PROFESSIONAL ENGINEER

A. LYNN MILLER, P.E., P.E.# 58705

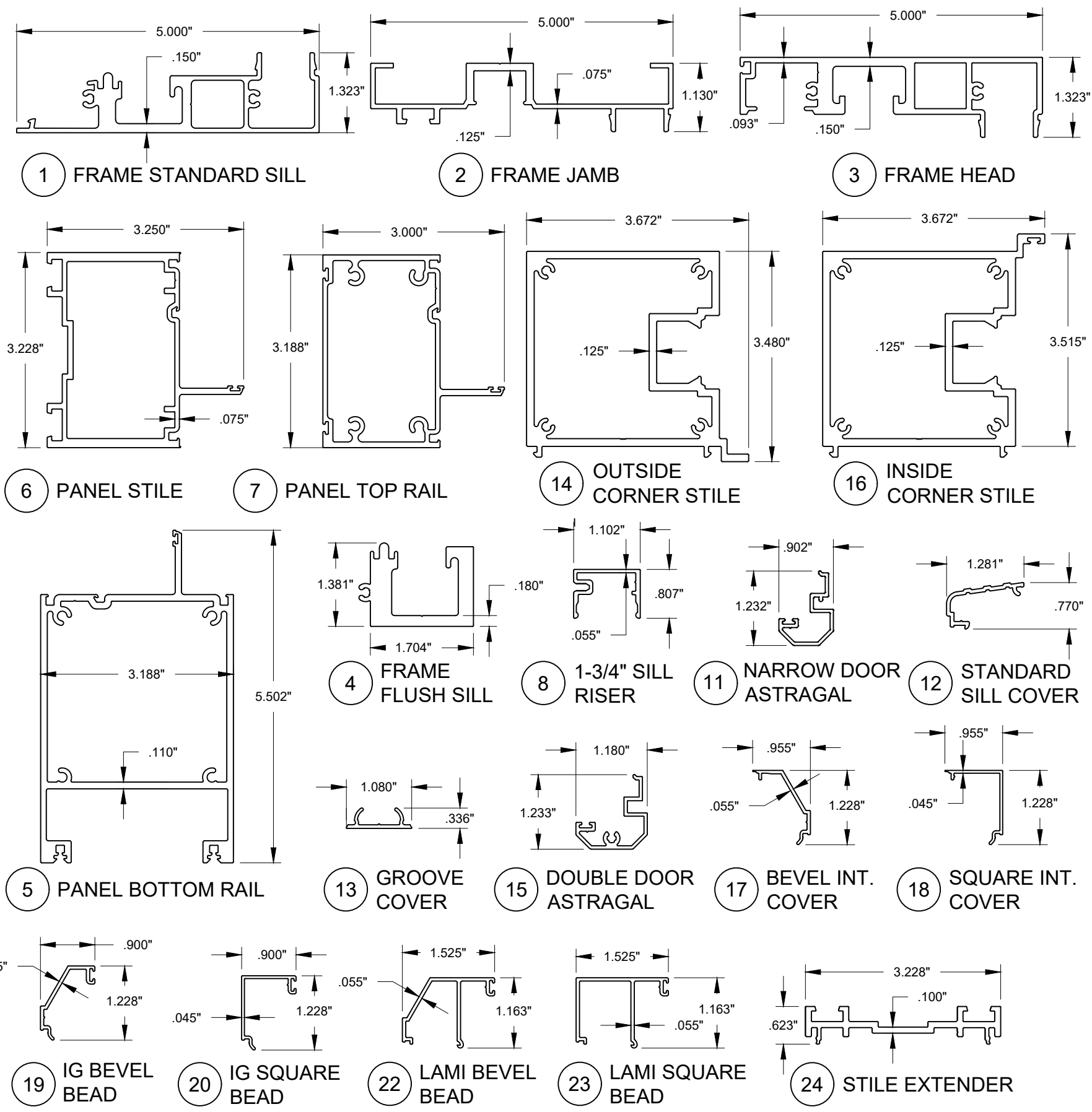


TABLE 6:			
ITEM	PART#	DESCRIPTION	MATERIALS
1	21001	Frame Sill	6063-T6
2	21004	Frame Jamb	6063-T6
3	21000	Frame Head	6063-T6
4	21002	Frame Flush Sill (ADA)	6063-T6
5	21009	Panel Bottom Rail	6063-T6
6	21010	Panel Stile	6063-T6
7	21008	Panel Top Rail	6063-T6
8	21005	1-3/4" Sill Riser/Frame Adapter	6063-T6
11	21093	Narrow Door Astragal	6063-T6
12	21007	Standard Sill Cover	6063-T6
13	21006	Groove Cover	6063-T6
14	21086	Inside Corner Stile	6063-T6
15	21011	Double Door Astragal	6063-T6
16	23025	Outside Corner Stile	6063-T6
17	21016	Bevel Interior Bead	6063-T6
18	21013	Square Interior Bead	6063-T6
19	21015	IG Bevel Bead	6063-T6
20	21012	IG Square Bead	6063-T6
22	21017	LAMI Bevel Bead	6063-T6
23	21014	LAMI Square Bead	6063-T6
24	21078	Stile Extender	6063-T6
30	21047	C-Fold gasket	Vinyl
31	21044	Panel Meeting Gasket, #3008	Vinyl
32	61226D	Beading Bulb Weatherstrip	Vinyl
33		Setting Block, 0.25"	EPDM
34	21042	.625" Fin Weatherstrip @ Sill	
35	21043	.187" x .400" Fin Wstp. @ Header	
36	21046	Small Glz. Leg Weatherstrip	Vinyl
37	21045	Large Glz. Leg Weatherstrip	Vinyl
38	61643	0.375" Q-Lon Bulb Weatherstrip	
41	varies	Hinge Fastener Kit	SS
42	varies	Active Handle Kit, Shoot Bolt Type	
43	varies	Active Handle Kit, Hook Latch Type	
44	21081/2	Single Guide Hinge Assembly, top, L&R	SS
45	21079/80	Single Roller Hinge Assembly, bottom, L&R	SS
46	21038	Double Guide Hinge Assembly, top	SS
47	21037	Double Roller Hinge Assembly, bottom	SS
48	varies	Hinge Assembly Kit, w/o Handle	SS
49	varies	Hinge Assembly Kit, w Handle	SS
50	varies	Backbedding (Dow 791, 983, Sika 552 or RGS 7700)	
51	21041	Assembly Screw, #10 x 1-1/4" PH SDS	SS
52	21021	Stainless Steel Sill Cap	SS
70	varies	Kommerling Kodispace 4SG TPS	varies
71	varies	Quanex Super Spacer	varies
72	varies	Metal IG Spacer	varies

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ALUMINUM BIFOLD DOOR (IMPACT)

EXTRUSIONS, BOM

9 OF 9
Dwg No.

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Series

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