

SERIES 600
ALUMINUM OUTSWING ENTRANCE DOOR

FOR SINGLE (X) AND STAND-ALONE SINGLE SIDELITE CAPACITIES SEE SHEET 2.

LOWER VALUES FROM DOOR, SIDELITE, OR MULLION CAPACITY CHARTS WILL APPLY TO ENTIRE SYSTEM.

DOOR APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

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

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE

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.

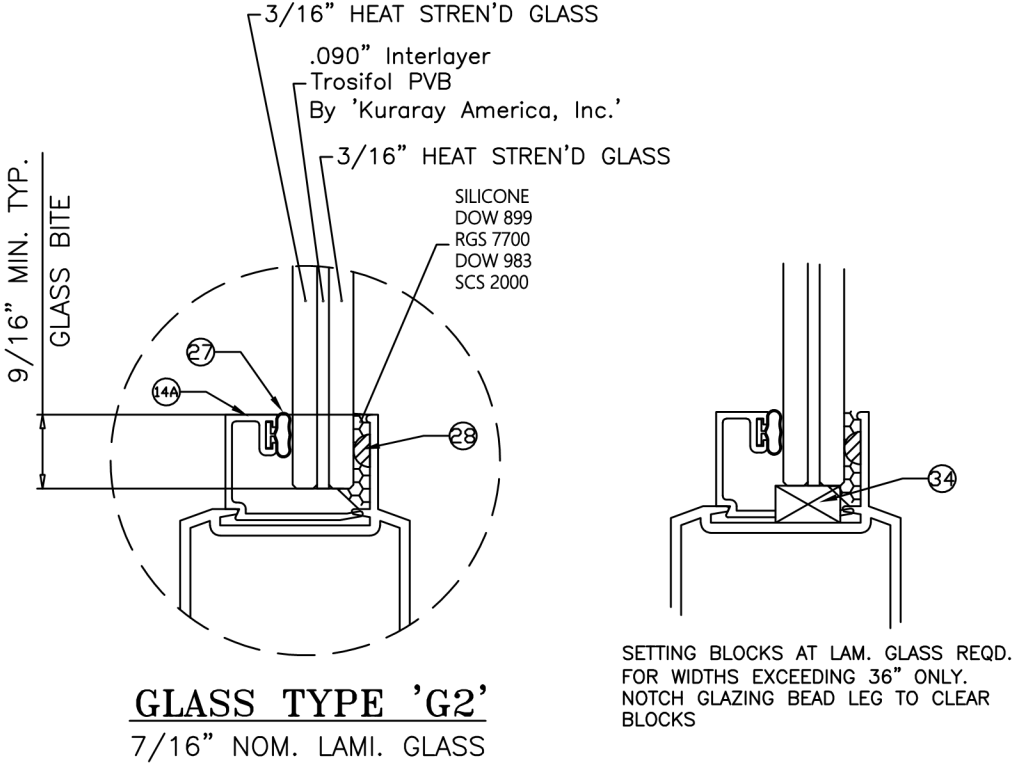
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

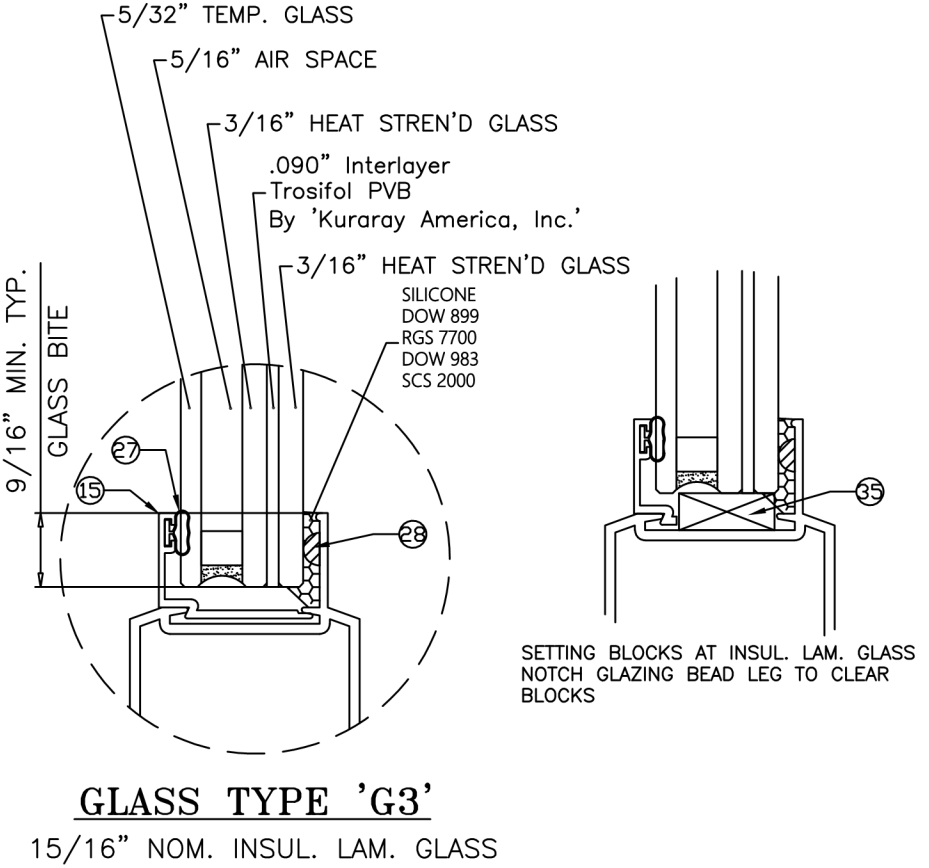
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE & ADOPTED STANDARDS.

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

DESIGN LOAD SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.



GLASS TYPE 'G2'
7/16" NOM. LAMI. GLASS



GLASS TYPE 'G3'
15/16" NOM. INSUL. LAM. GLASS

THESE DOORS ARE RATED FOR SMALL MISSILE IMPACT. FBC APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR INSTLLATIONS UP TO 30 FT. OF GRADE. SHUTTERS NOT REQD. FOR INSTALLATION ABOVE 30 FT. OF GRADE.

FL#39630.4



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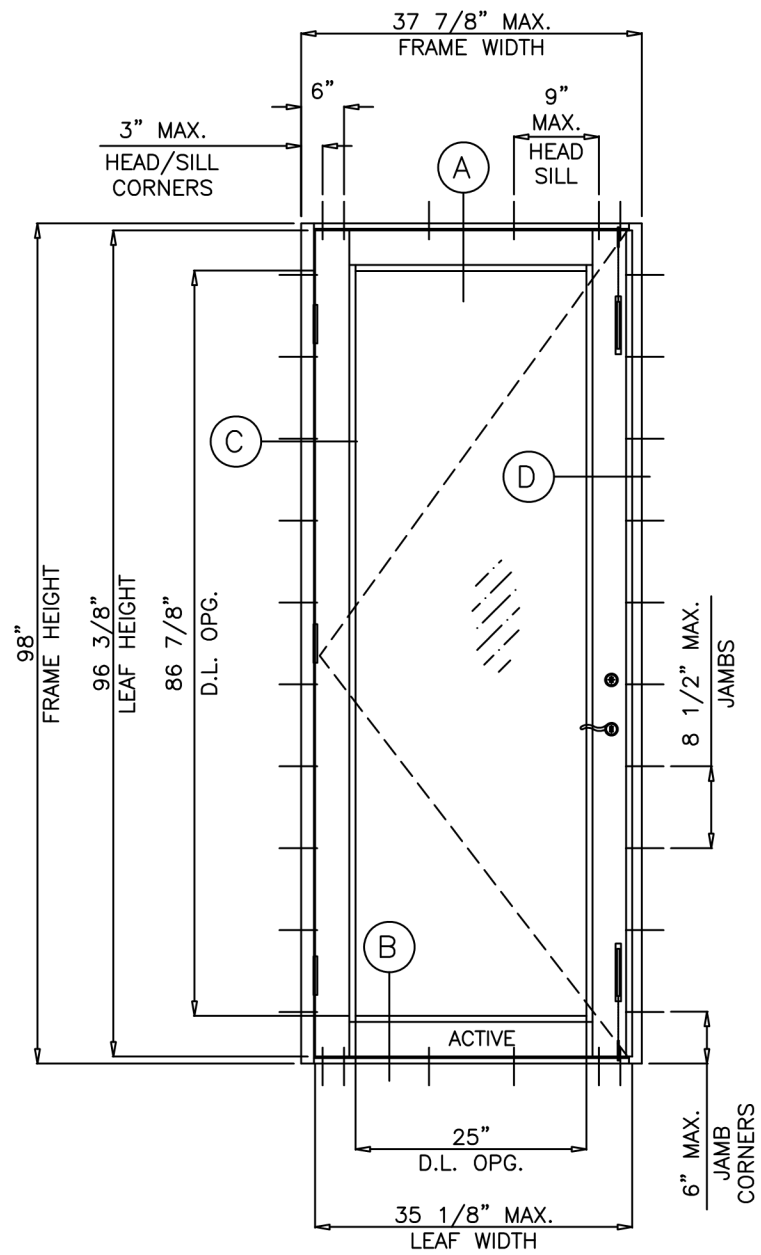
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JA-1844-24	check by:	
12/30/2024		
REVISION		
DESCRIPTION	BY	DATE
No.		

SERIES 600:ALUMINUM OUTSWING ENTRANCE DOOR (S.M.I.)
SMALL MISSILE IMPACT RATED



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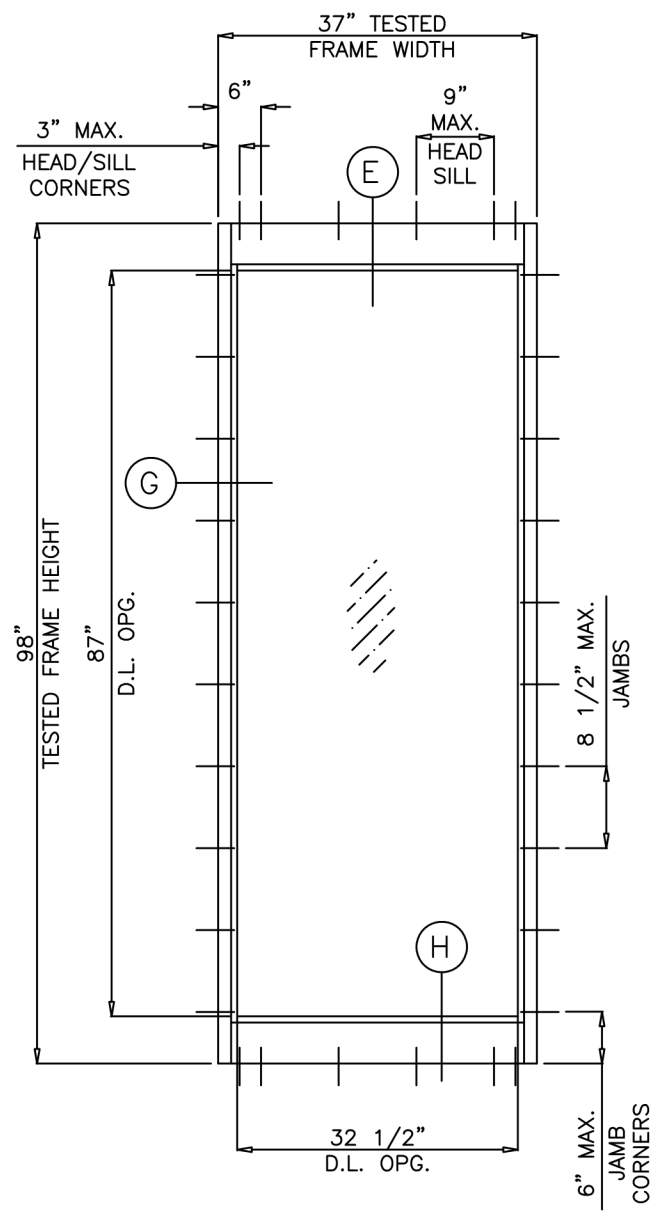
(X)

SINGLE DOORS (X) LOAD CAPACITY - PSF				
DOOR DIMS.			LAMINATED GLASS	
FRAME WIDTH	LEAF WIDTH	FRAME HEIGHT	POS. (+)	NEG. (-)
39- 7/ 8"	35- 1/ 8"	98"	70.0	135.0

GLASS D.L.O. DIMS.

D.L.O. HEIGHT (DOOR) = FRAME HEIGHT - 11.125"

D.L.O. WIDTH (DOOR) = FRAME WIDTH - 12.875"



(O)

SINGLE SIDELITE (O) DOORS LOAD CAPACITY - PSF			
SIDELITE DIMS.		GLASS TYPES 'G2' & 'G3'	
FRAME WIDTH	FRAME HEIGHT	POS. (+)	NEG. (-)
37"	98"	70.0	135.0
42"	86"	61.7	114.5

GLASS D.L.O. DIMS.

D.L.O. HEIGHT (SIDELITE) = FRAME HEIGHT - 11.000"

D.L.O. WIDTH (SIDELITE) = FRAME WIDTH - 4.500"

NOTE:
EGRESS REQUIREMENTS TO BE REVIEWED
BY BUILDING OFFICIAL

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-16 (3 SEC. GUSTS)



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ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th ST., MEDLEY, FL 33166
TEL. (305) 885-5299 FAX. (305) 885-5902



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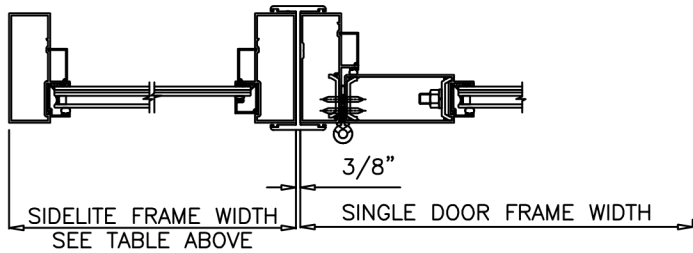
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02

02 of 09

Design Load Capacity - PSF								
Sidelite Mullied with Single Leaf Door								
Sidelite Frame Width (in.)	Sidelite Frame Height (in.)							
	82"		86"		92"		98"	
24"	+70.0	-135.0	+70.0	-135.0	+70.0	-135.0	+70.0	-135.0
30"	+70.0	-135.0	+70.0	-135.0	+70.0	-135.0	+70.0	-135.0
36"	+70.0	-135.0	+70.0	-135.0	+70.0	-135.0	+70.0	-135.0
42"	+61.7	-114.5	+61.7	-114.5				

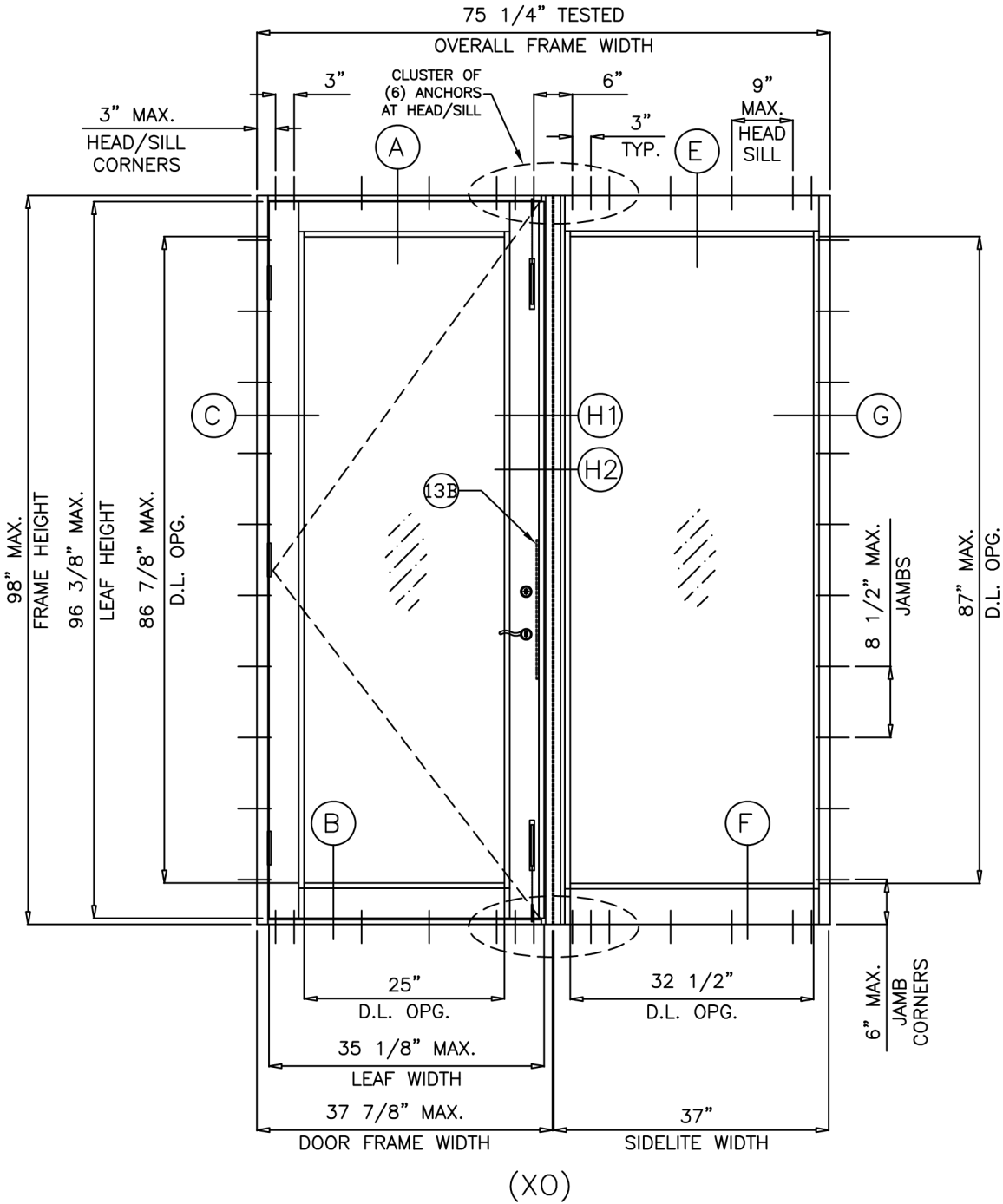
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NOTE:

FOR DOOR AND SIDELITE CAPACITY SEE SHEET 2.
FOR SIDELITE MULLION CAPACITY SEE CHART ABOVE.
LOWER VALUES FROM DOOR, SIDELITE OR MULLION CHART WILL
APPLY TO ENTIRE SYSTEM.

FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH
OR HEIGHT DIMENSION SHOWN ON THE TABLE.



MAX. UNIT TESTED FRAME AREA NOT TO EXCEED 51.2 SQ. FT. PER FBC



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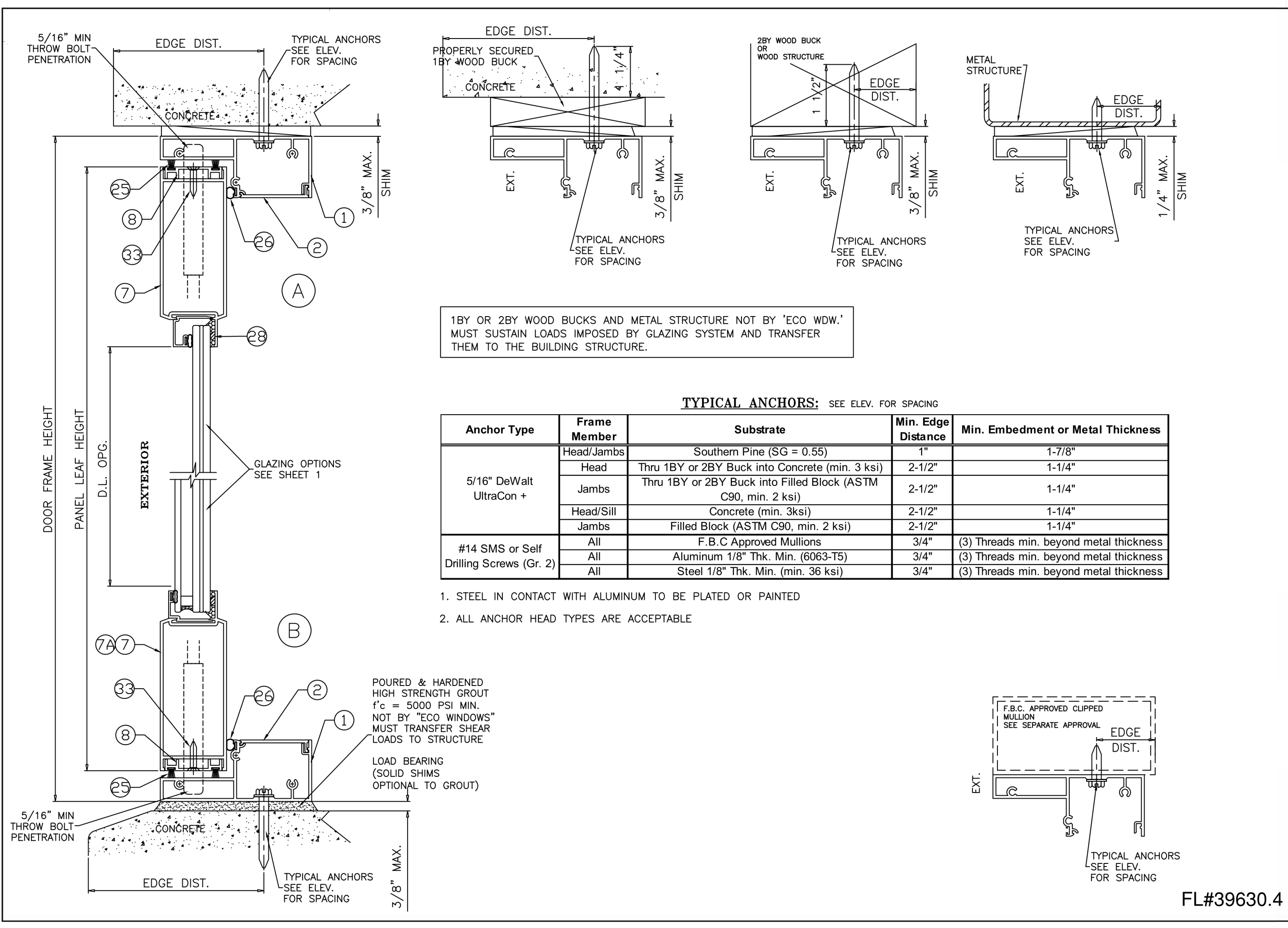
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1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY 'ECO WDW.' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

Anchor Type	Frame Member	Substrate	Min. Edge Distance	Min. Embedment or Metal Thickness
5/16" DeWalt UltraCon +	Head/Jambs	Southern Pine (SG = 0.55)	1"	1-7/8"
	Head	Thru 1BY or 2BY Buck into Concrete (min. 3 ksi)	2-1/2"	1-1/4"
	Jambs	Thru 1BY or 2BY Buck into Filled Block (ASTM C90, min. 2 ksi)	2-1/2"	1-1/4"
	Head/Sill	Concrete (min. 3ksi)	2-1/2"	1-1/4"
	Jambs	Filled Block (ASTM C90, min. 2 ksi)	2-1/2"	1-1/4"
#14 SMS or Self Drilling Screws (Gr. 2)	All	F.B.C Approved Mullions	3/4"	(3) Threads min. beyond metal thickness
	All	Aluminum 1/8" Thk. Min. (6063-T5)	3/4"	(3) Threads min. beyond metal thickness
	All	Steel 1/8" Thk. Min. (min. 36 ksi)	3/4"	(3) Threads min. beyond metal thickness

1. STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED
2. ALL ANCHOR HEAD TYPES ARE ACCEPTABLE

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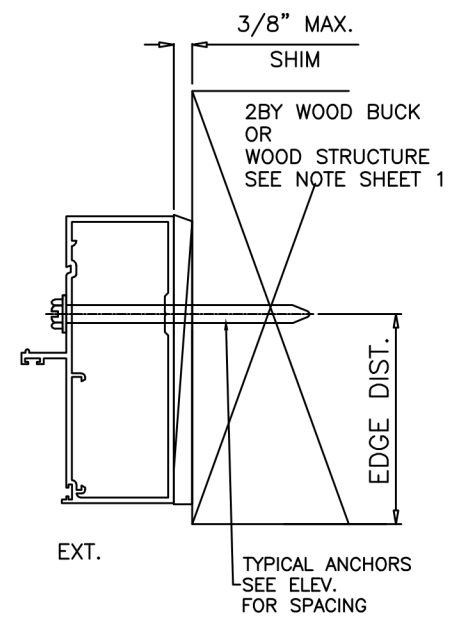
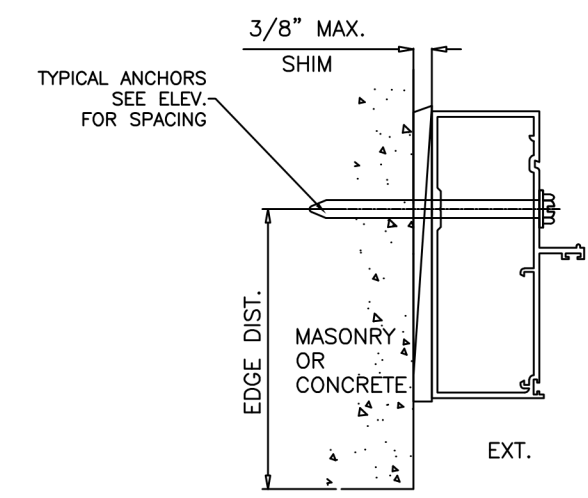
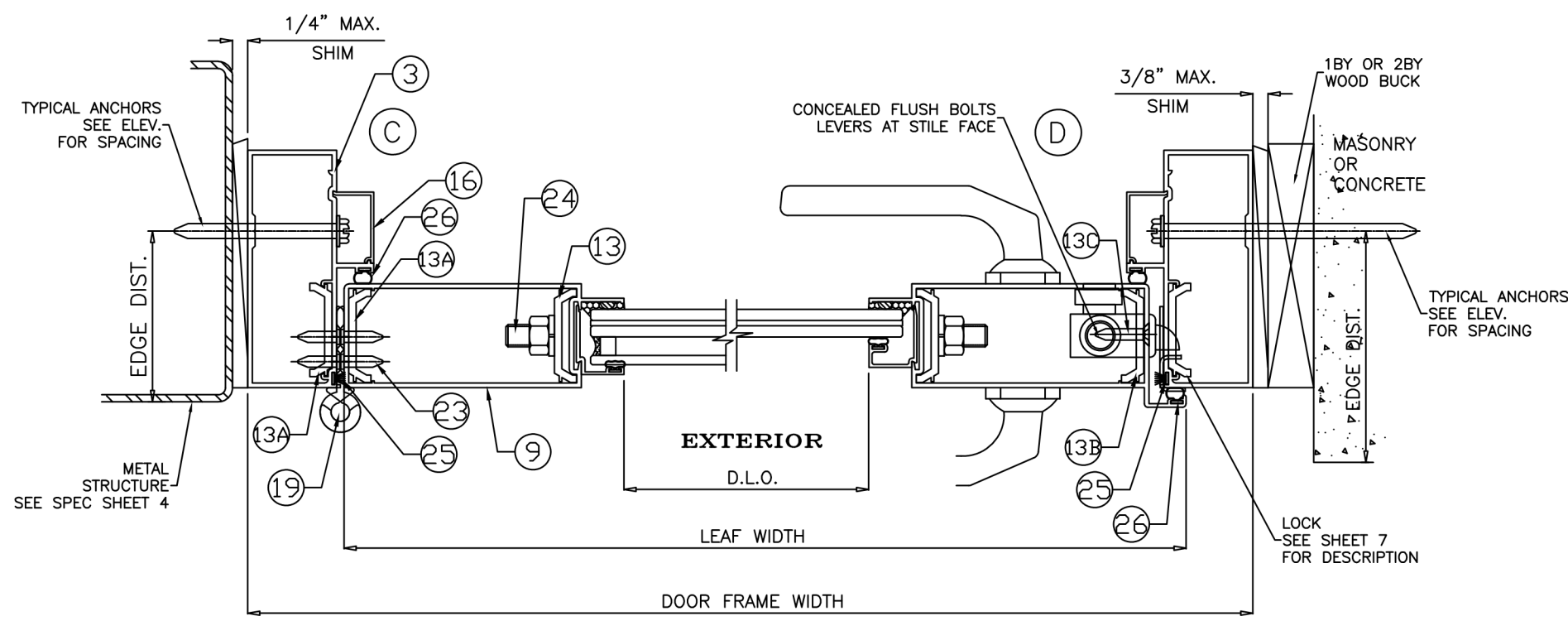
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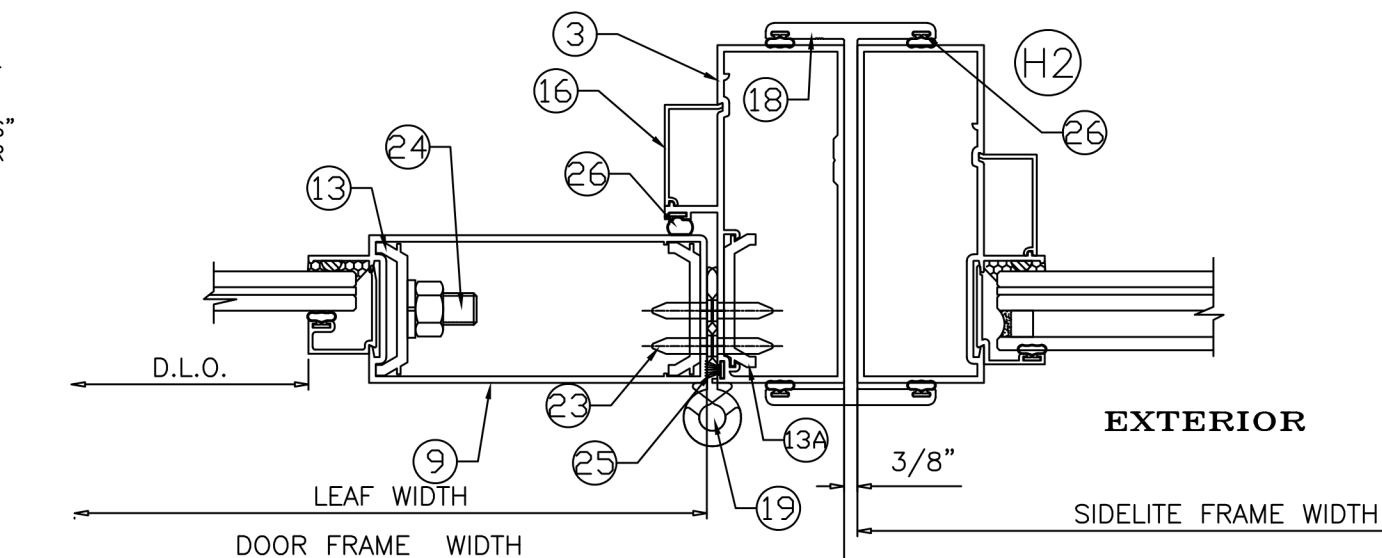
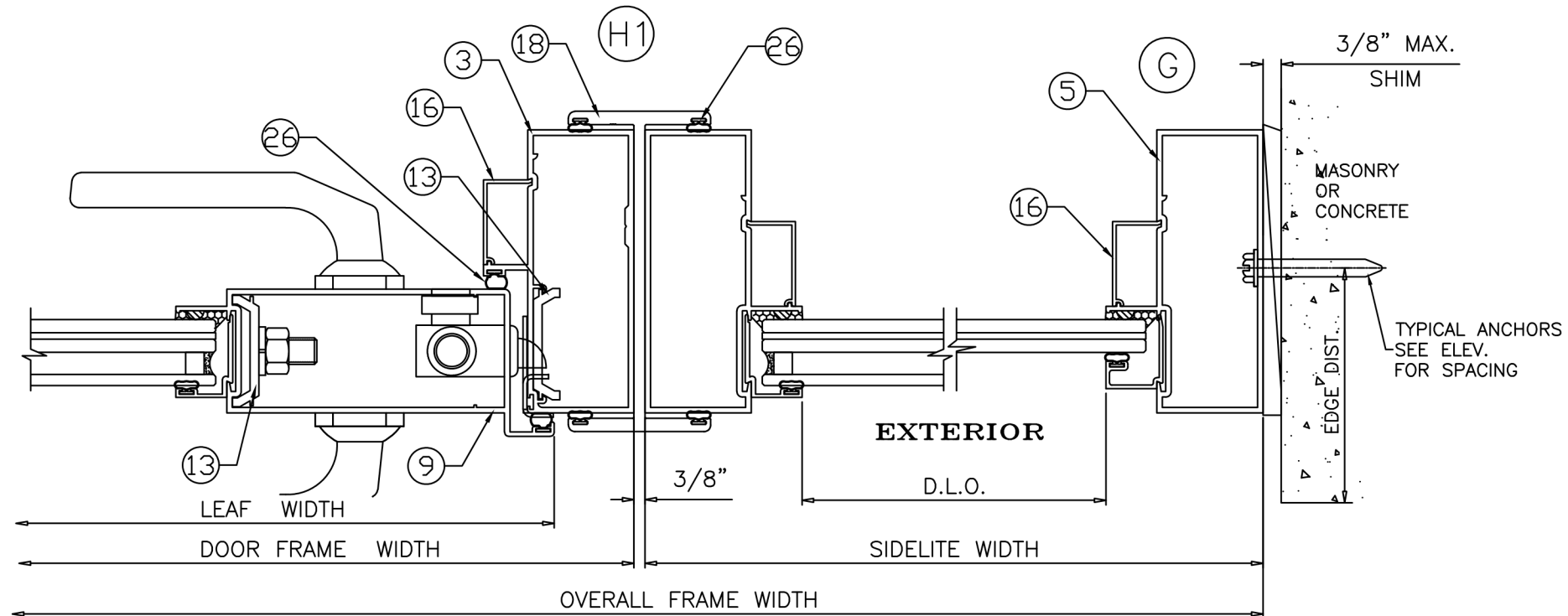
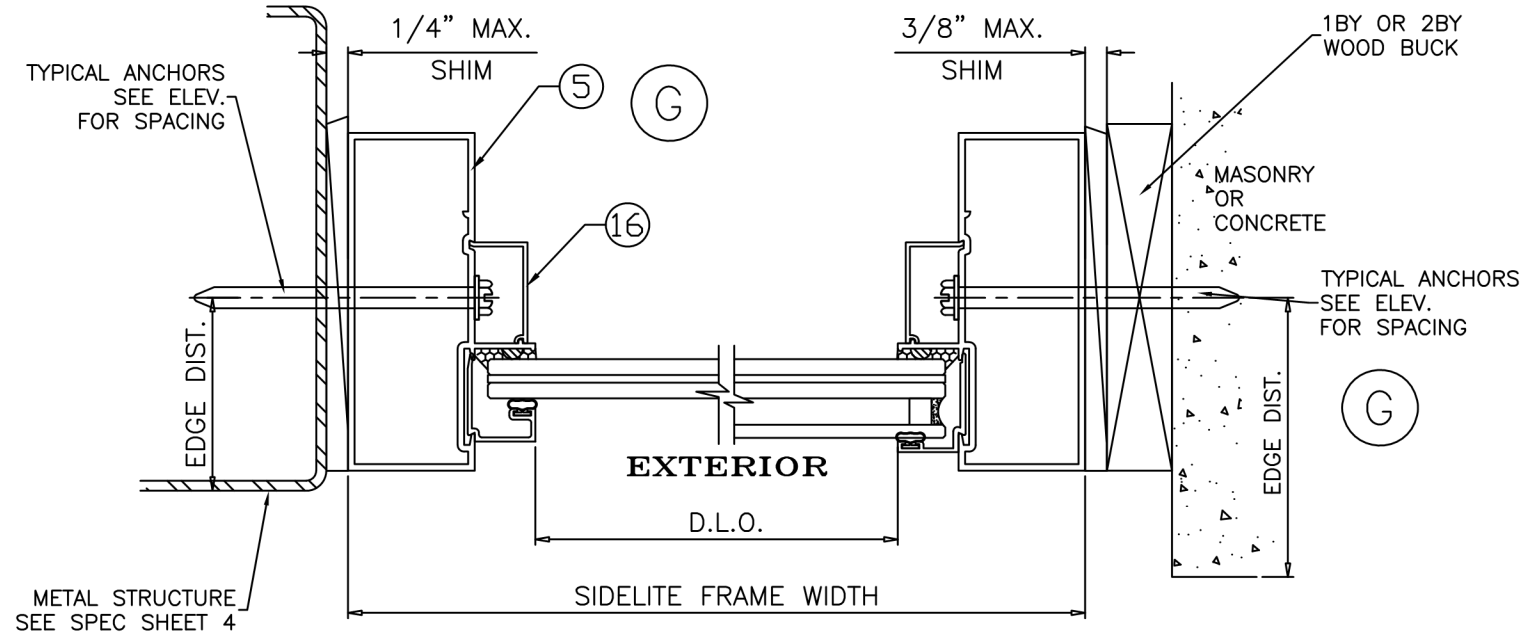
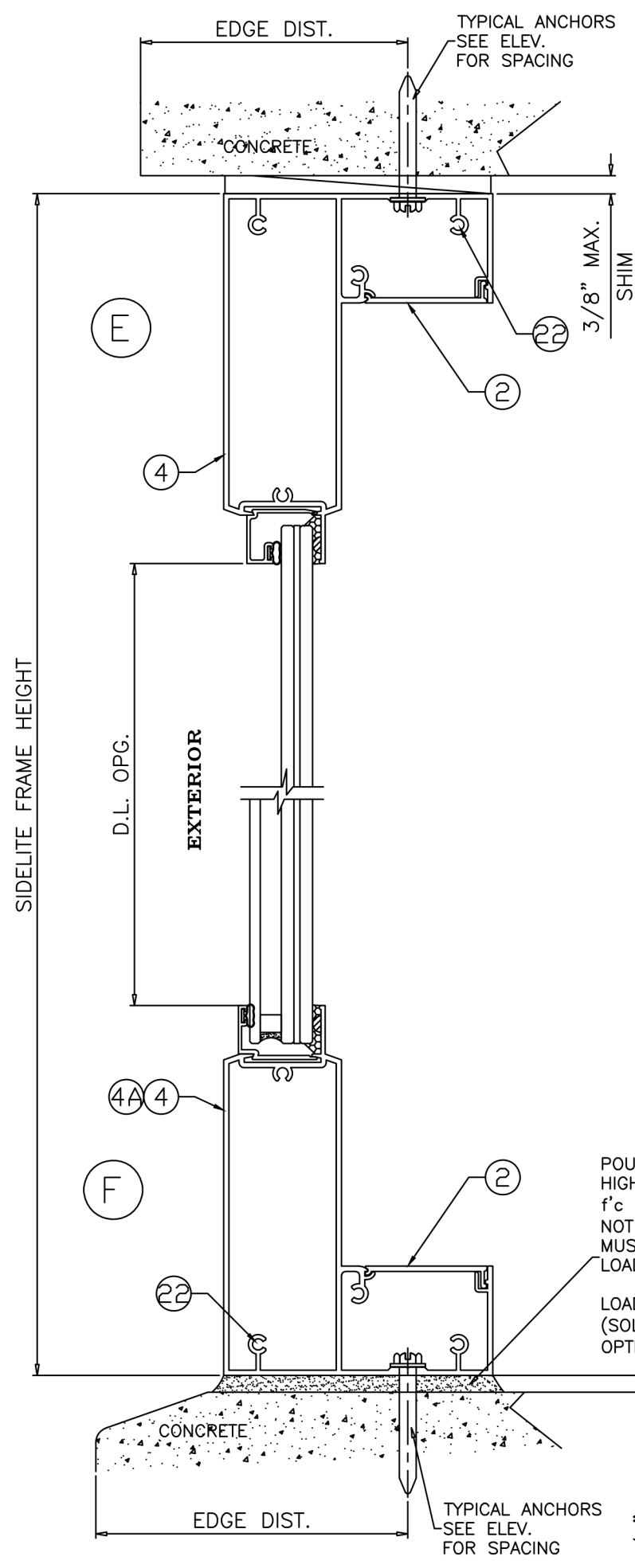
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LOCKS:

CONVENTIONAL DOOR LOCKSET WITH HANDLE BY 'SCHLAGE'
OR 'KWIKSET' LOCATED AT 38" FROM BOTTOM
KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR
FASTENED TO LOCK STILE WITH
(2) #8 X 3/4" FH MULTI THREAD SCREWS
(2) 8-32 X 11/16" PH MS

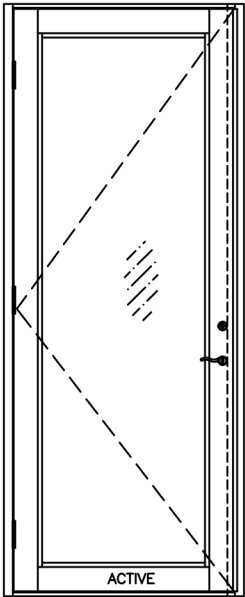
SURFACE MOUNTED DEAD BOLT LOCK BY 'SCHLAGE'
OR 'KWIKSET' LOCATED AT 43-1/2" FROM BOTTOM
KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR
FASTENED TO LOCK STILE WITH
(2) #8 X 3/4" FH MULTI THREAD SCREWS
(2) 8-32 X 11/16" PH MS

FLUSH MOUNT METALLIC STRIKE PLATES FACING LOCKS
AT 39" AND 44-1/2" FROM BOTTOM
EACH PLATE FASTENED TO FRAME JAMB WITH
(2) #10 X 5/8" FH SMS

CONCEALED FLUSH BOLTS BY 'SULLIVAN & ASSOC.'
1/2" X 2" THROW BOLTS ENGAGING FRAME AT HEAD AND SILL
MANUALLY OPERATED LEVERS MOUNTED ON STILE FACE LOCATED
AT 10-1/2" FROM TOP AND BOTTOM
FASTENED TO LOCK STILE WITH
(2) #8-32 X 1/2" FH MS

HINGES:

3-1/2" X 7-5/8" X .122" THK. EXTRUDED ALUM. HINGE
PART #FD-107 BY SULLIVAN & ASSOC.
3 HINGES PER LEAF
BOTTOM HINGE AT 10-1/4" FROM BOTTOM
TOP HINGE AT 11-3/4" FROM TOP
CENTER HINGE AT MIDSPAN (38" O.C. MAX.)
HINGES FASTENED WITH #10 X 1" FH SMS
(5) SCREWS AT HINGE STILE
(6) SCREWS AT FRAME JAMB



ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E601	-	DOOR FRAME HEAD/SILL	6063 - T6	-
2	E602	-	FRAME COVER	6063 - T6	-
3	E603	-	DOOR FRAME JAMB	6063 - T6	-
4	E604	-	SIDELITE TOP & BOTTOM FRAME	6063 - T6	-
4A	E626	-	SIDELITE 9" BOTTOM FRAME	6063 - T6	-
5	E605	-	SIDELITE FRAME JAMB	6063 - T6	-
7	E607	-	LEAF TOP & BOTTOM RAIL	6063 - T6	-
7A	E625	-	LEAF 9" BOTTOM RAIL	6063 - T6	-
8	E608	-	LEAF W'STRIP ADAPTER	6063 - T6	-
9	E609	-	LEAF HINGE STILE	6063 - T6	-
10	E610	-	LEAF LOCK STILE	6063 - T6	-
12	E612	-	LEAF ALIGNMENT BRACKET	6063 - T6	-
13	E613	-	LEAF CLAMP	6063 - T6	4-1/4" LONG
13A	E613	1/CORNER	HINGE BACK-UP PLATE	6063 - T6	9" LONG
13B	E613	2/HINGE	LOCK REINFORCING PLATE, ABOVE AND BELOW LOCK	6063 - T6	24" LONG
13C	#10 X 3/4"	1/PLATE	LOCK REINFORCING FASTENER	ST. STEEL	FH SELF DRILLING SCREW
14	FY109	-	GLAZING BEAD (LAM. GLASS)	6063 - T6	-
15	E710	-	GLAZING BEAD (INSUL. GLASS)	6063 - T6	-
16	E616	-	SNAP COVER	6063 - T6	-
17	E613	-	BOLT SUPPORT	6063 - T6	NOT SHOWN
18	E623	1	SIDELITE MULLION	6063 - T6	-
19	FD-107	3/ LEAF	BUTT HINGE	ALUMINUM	SULLIVAN & ASSOC.
20	FB1202	-	FLUSH BOLT LEVER	-	SULLIVAN & ASSOC.
21	FBR914SS	-	CONCEALED FLUSH BOLT ROD	ST. STEEL	SULLIVAN & ASSOC.
22	#10 X 1-1/4"	AS REQD.	FRAME ASSEMBLY SCREWS	-	-
23	#12 X 3/4"	-	HINGE INSTALLATION FASTENERS	-	FH SMS
24	-	-	3/8" DIA. THREADED ROD	STEEL	-
25	W11323	-	PILE W'STRIPPING	WOOL	ULTRAFAB
26	E20618-KN-3020	-	BULB W'STRIPPING	SANTOPRENE	EPDM
27	E206	-	GLAZING BEAD BULB	SANTOPRENE	ULTRAFAB
28	-	-	GLASS SPACER	SILICONE	FRANK LOWE RUBBER CO.
29	E622	-	FLUSH BOLT CUP	NYLON	-
30	DL01RC	-	BLACK BOLT SUPPORT BLOCK	POLYETHYLENE	INTERLOCK
31	DL01WB	-	WHITE BOLT SUPPORT BLOCK	POLYETHYLENE	ACME PLASTIC
33	#10 X 3/4"	2/ ADAPTER	FH SELF DRILLING SCREWS, AT 5" FROM EACH END	-	FH SMS
35	-	2/ LITE	SETTING BLOCK, 1/4" X 3/4" X 4"LONG	EPDM	AT 6" FROM EACH END, DUROMETER 80±5

SEALANT:

ALL FRAME/PANEL JOINTS AND SEAMS SEALED WITH
SCHNEE MOREHEAD JM5504 SEALANT



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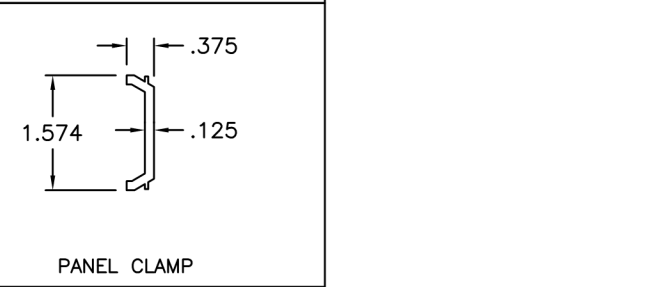
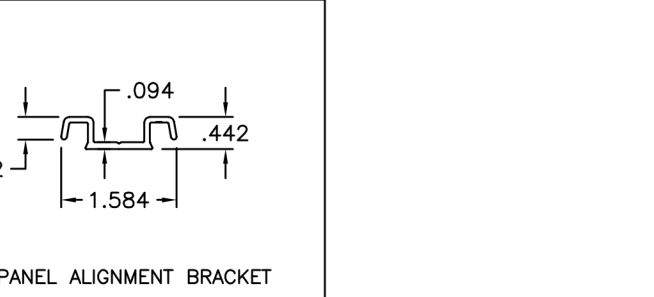
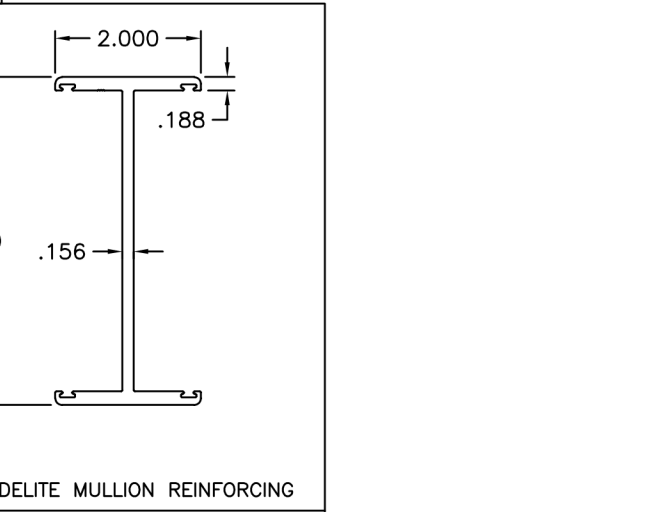
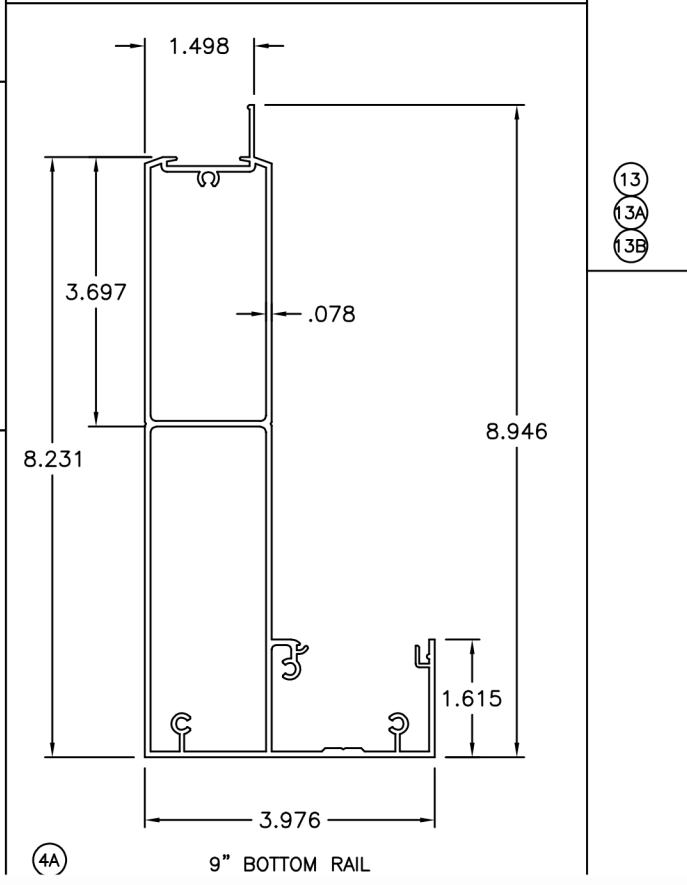
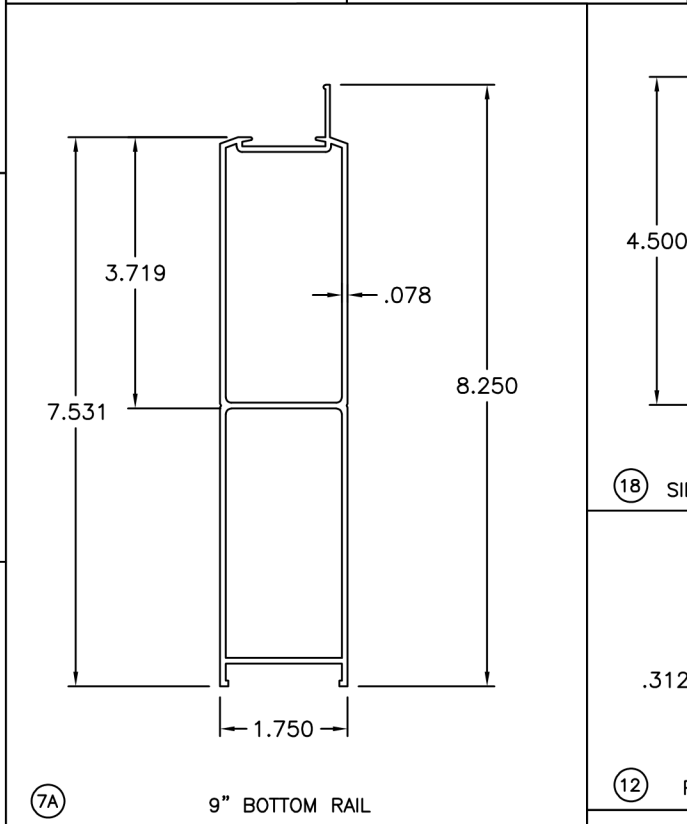
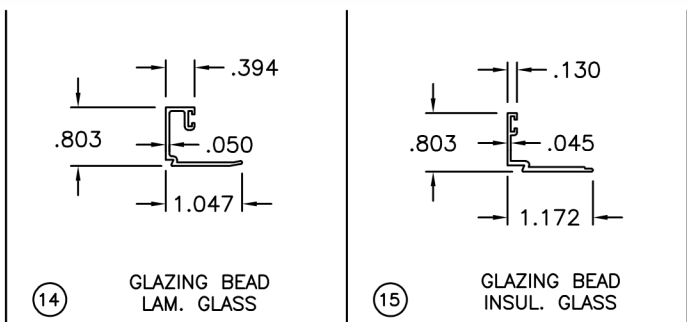
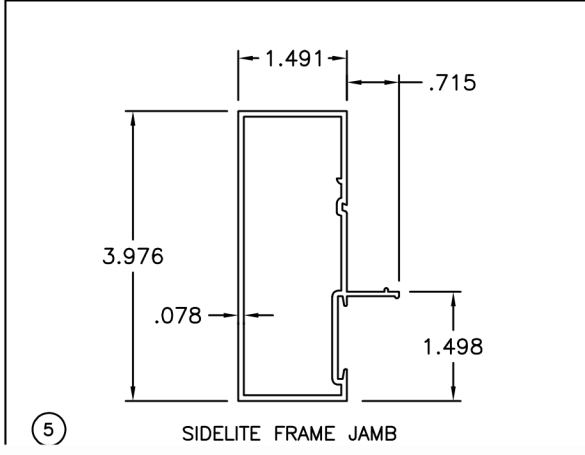
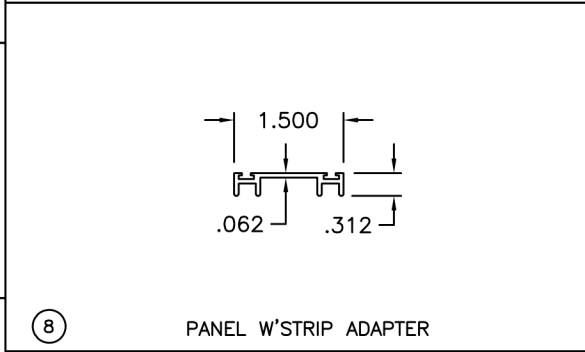
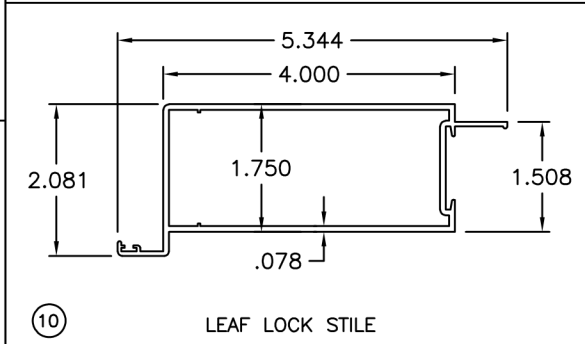
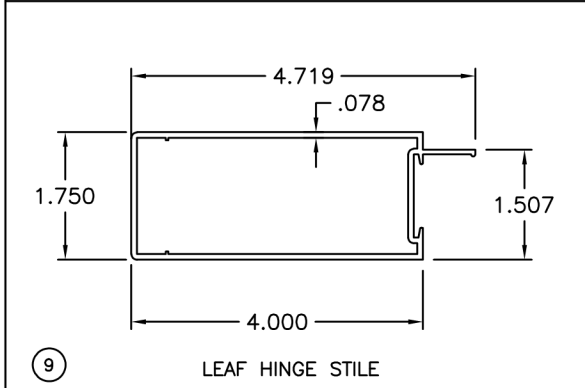
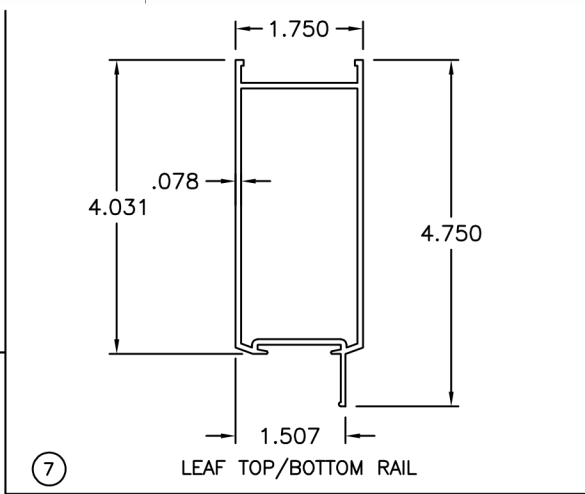
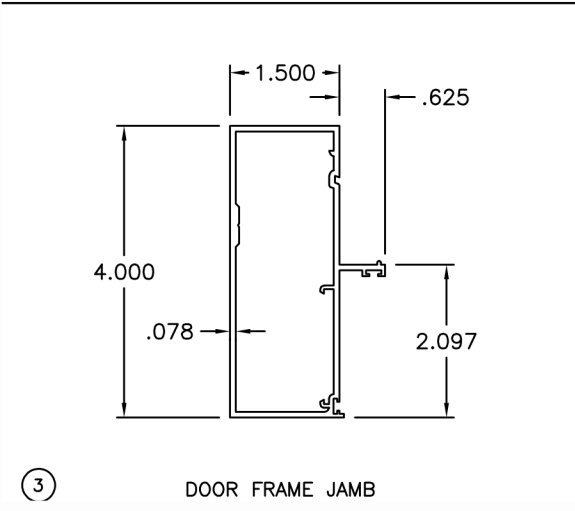
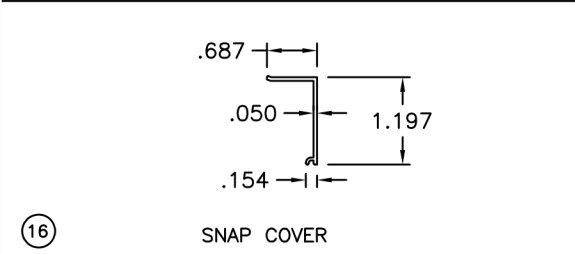
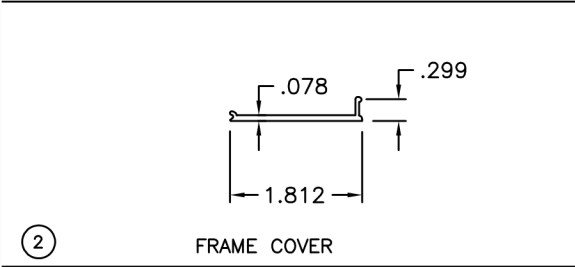
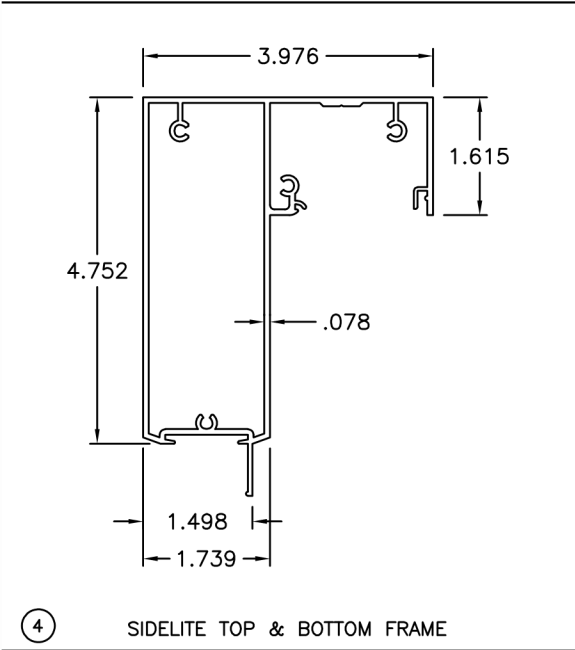
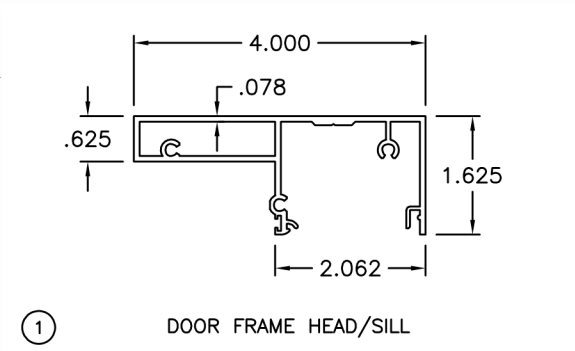
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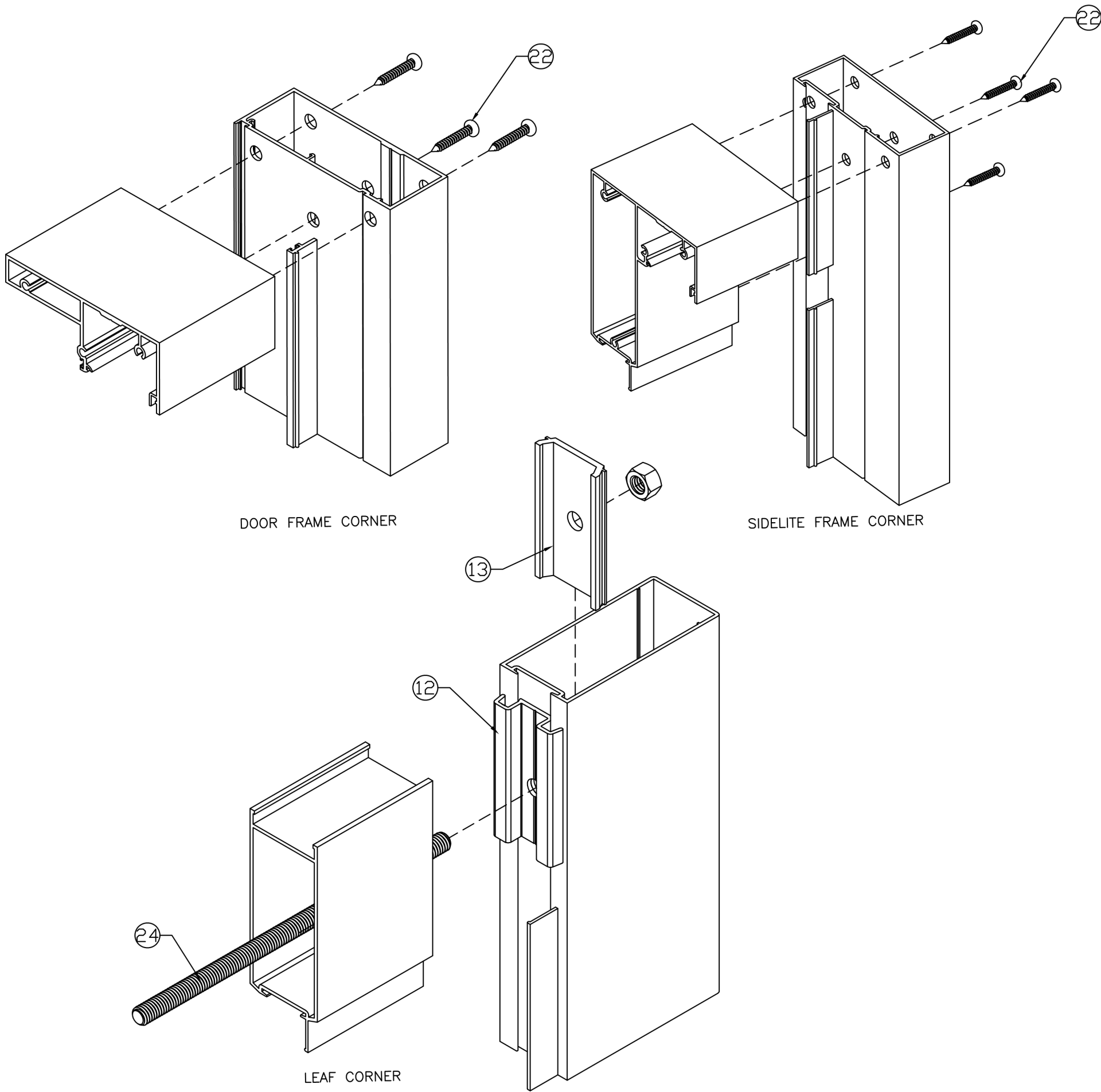
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DOOR FRAME CORNER

SIDELITE FRAME CORNER

LEAF CORNER

FL#39630.4



JAVAD AHMAD PE, inc
7875 NW 12th St., Suite 102 Doral,
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Ph: (305) 424-8001
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drawing no.	JA-1844-24	drawn by:	MA
date:	12/30/2024	check by:	BS
REVISION			
No.	DATE	BY	DESCRIPTION

SERIES 600:ALUMINUM OUTSWING ENTRANCE DOOR
(S.M.I.)
SMALL MISSILE IMPACT RATED



ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th ST. MEDLEY, FL 33166
TEL. (305) 885-5299 FAX. (305) 885-5902



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