

SERIES S700
LIFT & SLIDE ALUMINUM GLASS DOOR

DESIGN LOAD RATING FOR THESE DOORS TO BE AS PER CHARTS SHOWN ON SHEET 2 AND APPROVED CONFIGURATIONS SHOWN ON SHEET 3.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2023 (8TH EDITION)/2026 (9TH EDITION) 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.

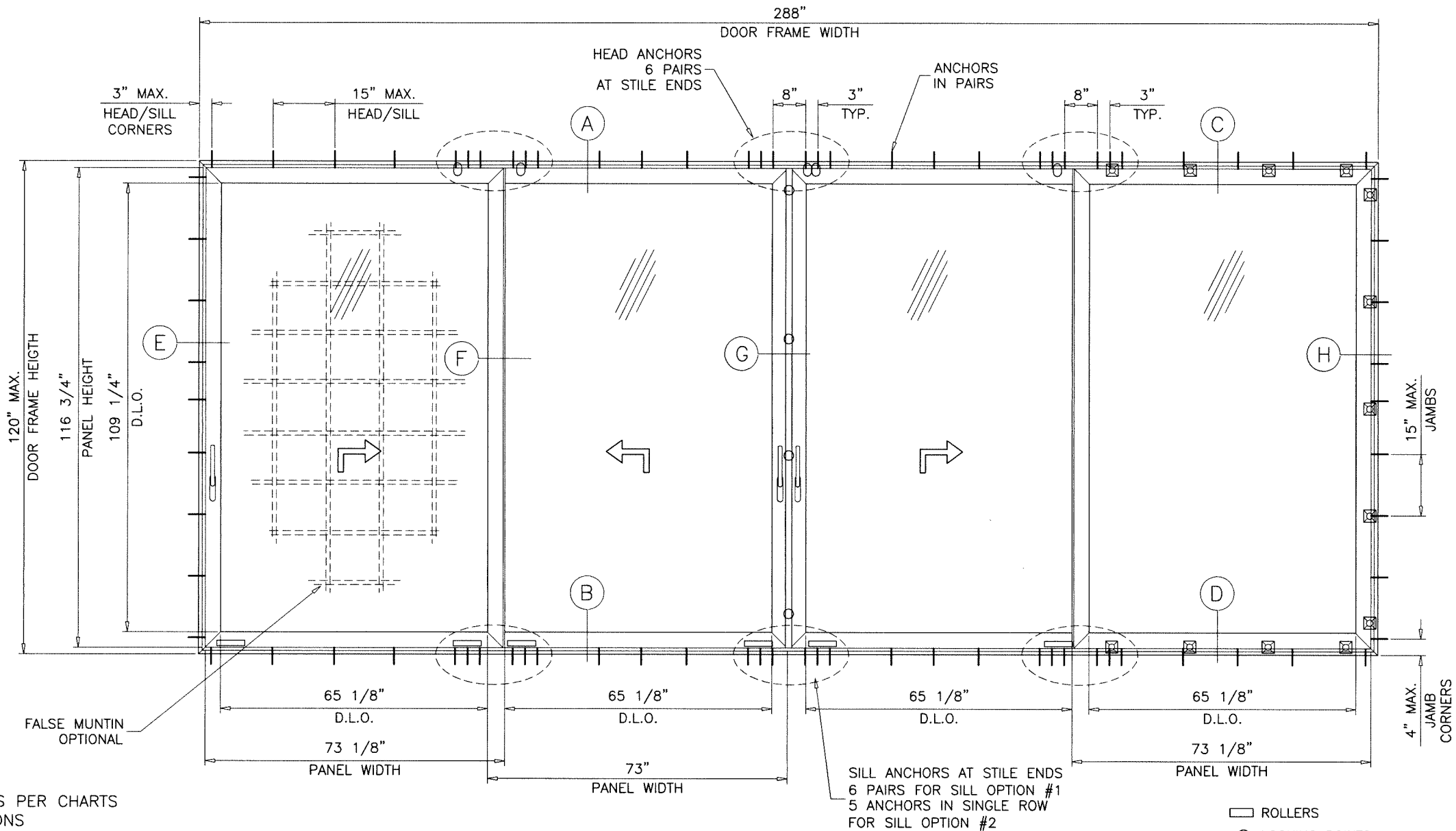
ALL SHIMS TO BE LOAD-BEARING, (HIGH DENSITY PLASTIC/COMPOSITE, METAL OR OTHER RIGID MATERIALS).

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023/2026 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 LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.



TYPICAL ELEVATION
 TESTED UNIT

FASTENERS AND CONNECTORS (AS APPLICABLE) SHOWN IN THIS APPROVAL MAY NOT MEET CORROSION RESISTANCE REQUIREMENTS FOR COASTAL OR SALT WATER EXPOSURE ZONES. COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711.

THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

Sealed: 9/8/2026

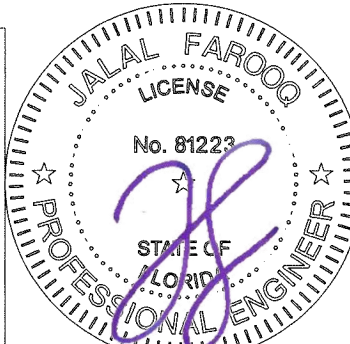
FL #44181

A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.

B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

C- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.

D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100
 FBPE #3538
 WWW.AFCENG.COM
 COMP-ANL\23-27F-AAI

ALUMIL S.A.
 8 Gogousse Str.
 564 29 Efkaripia, Thessaloniki, Greece
 Tel. +30 231 301 1000
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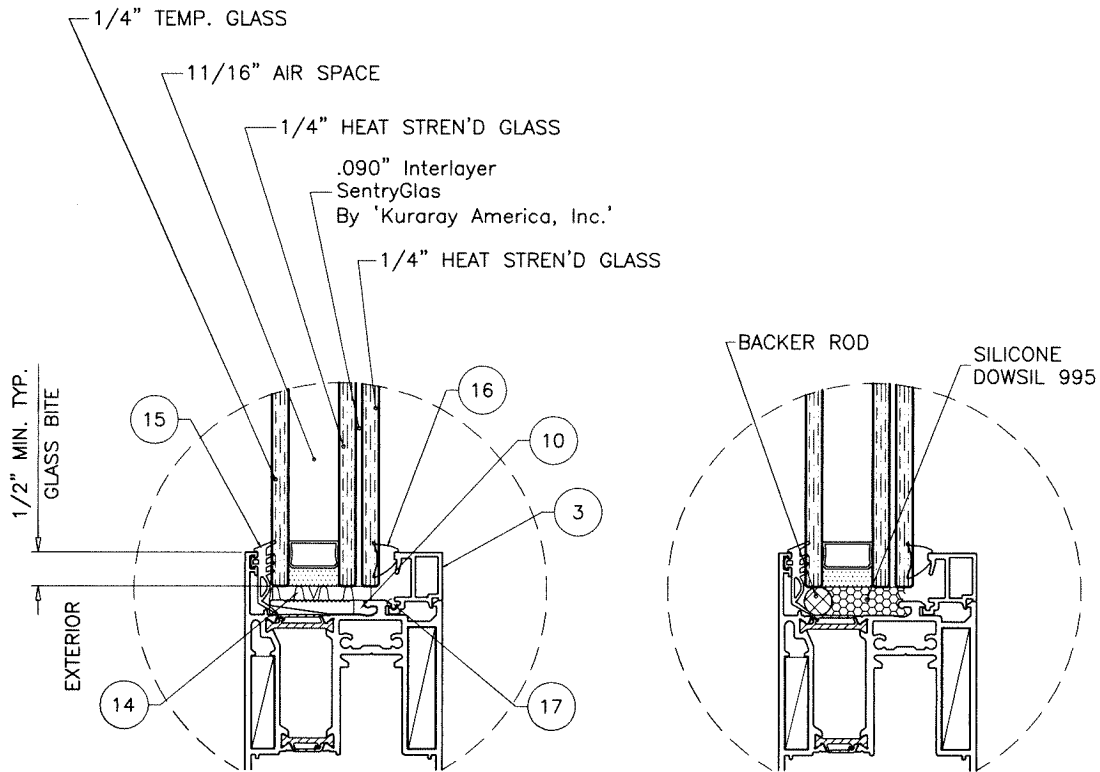
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dr. by:	TARIQ			
chk. by:				
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	23-27F			
sheet	1 of 7			

DESIGN LOAD CAPACITY - PSF			
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	INSUL. LAM. GLASS	
		EXT.(+)	INT.(-)
30	108	60.0	60.0
36		60.0	60.0
42		60.0	60.0
48		60.0	60.0
54		60.0	60.0
60		60.0	60.0
66		60.0	60.0
72		60.0	60.0
78		60.0	60.0
30	120	60.0	60.0
36		60.0	60.0
42		60.0	60.0
48		60.0	60.0
54		60.0	60.0
60		60.0	60.0
66		60.0	60.0
72		60.0	60.0

DOOR HEIGHT AND WIDTH SIZE MUST COMPLY
EGRESS REQUIREMENTS PER FBC AS REQUIRED.

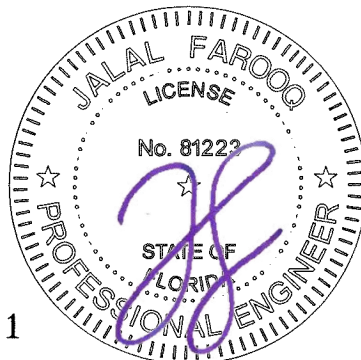
$$\text{AVERAGE PANEL WIDTH} = \frac{\text{DOOR FRAME WIDTH}}{\text{NUMBER OF PANELS}}$$

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-16 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219



GLAZING DETAIL
1-7/16" OVERALL INSUL. LAM. GLASS

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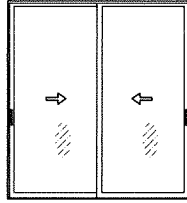


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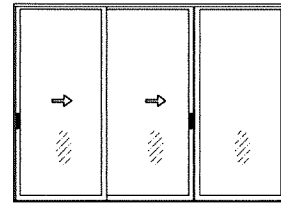
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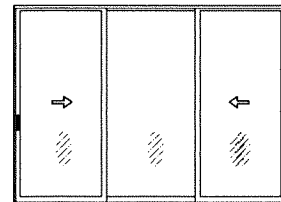
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XX (SHOWN)
OX
XO

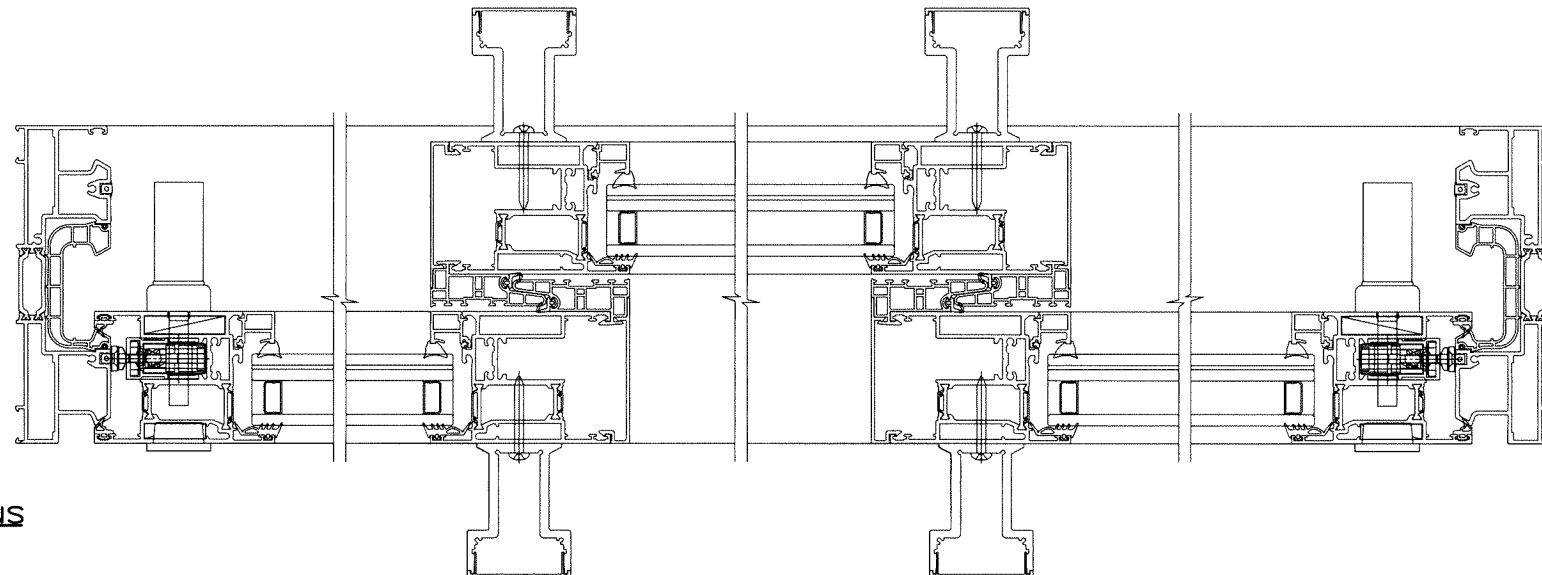
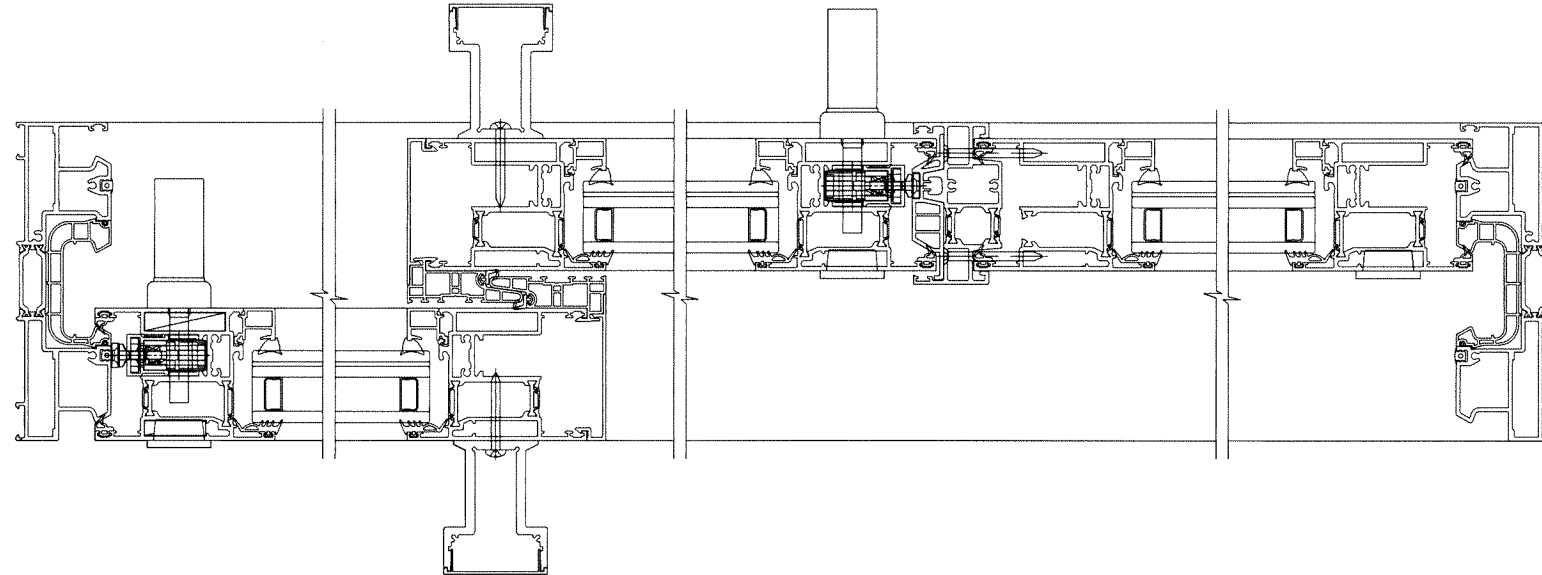
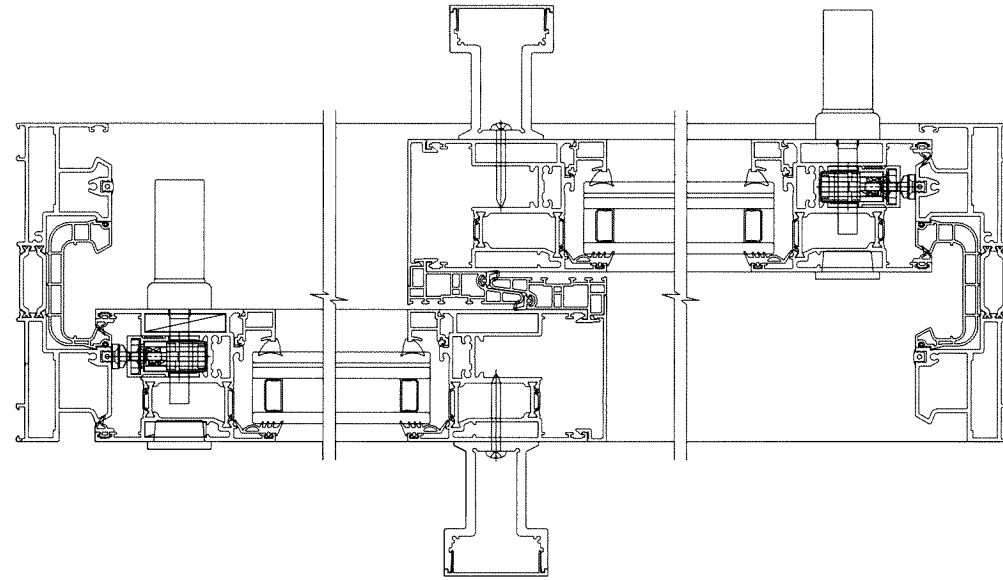


XXO (SHOWN)
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OXO



XOX (SHOWN)

APPROVED CONFIGURATIONS

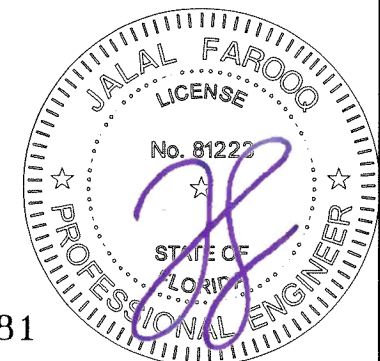


NOTE:

1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE DESIGN PRESSURES SEE SHEETS 2.
3. FOR ANCHOR DETAILS SEE SHEETS 4 THRU 6.

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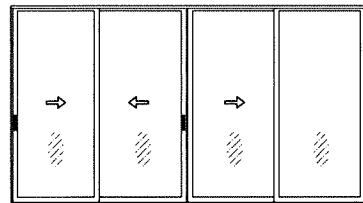
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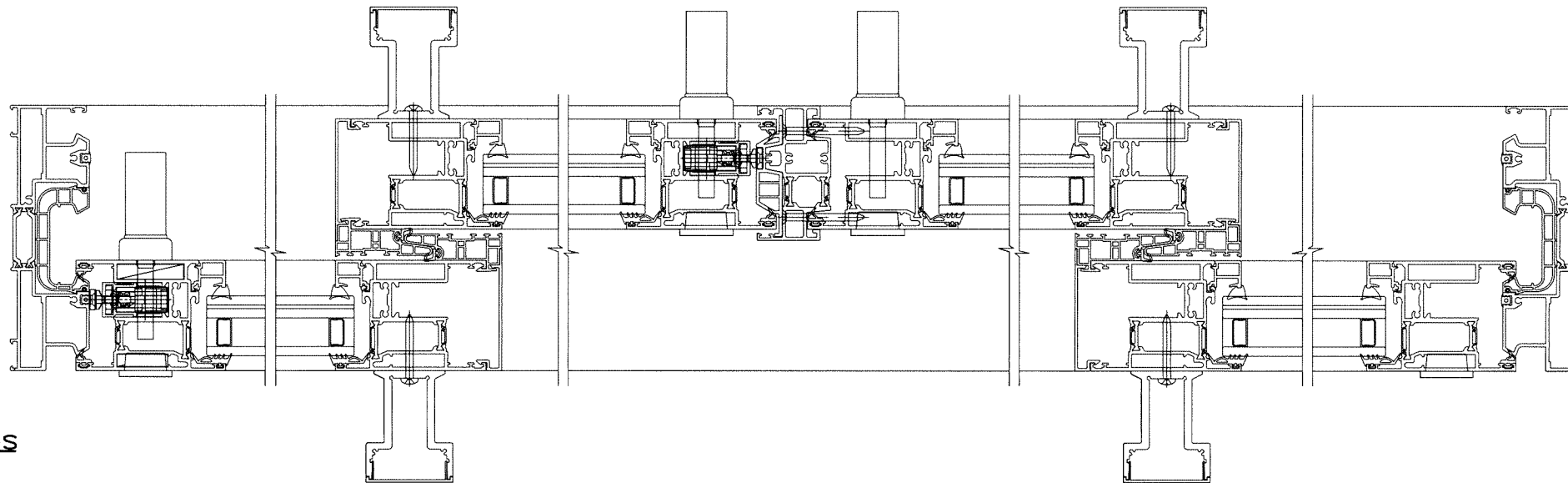
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XXXX (SHOWN)
OXXX
OXXX

APPROVED CONFIGURATIONS

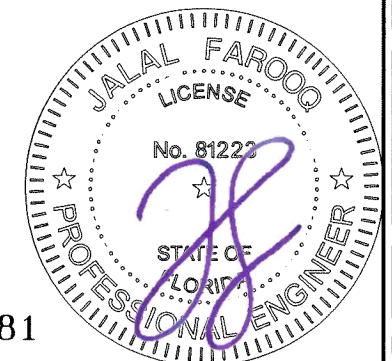


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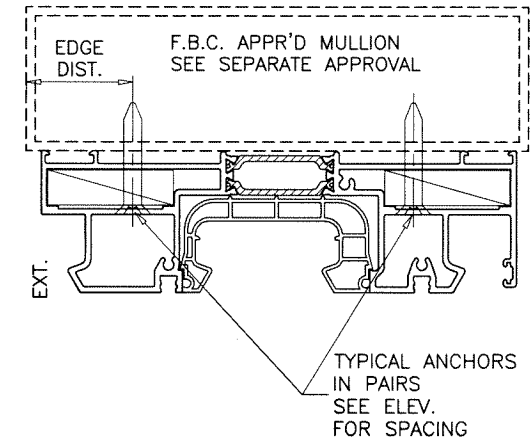
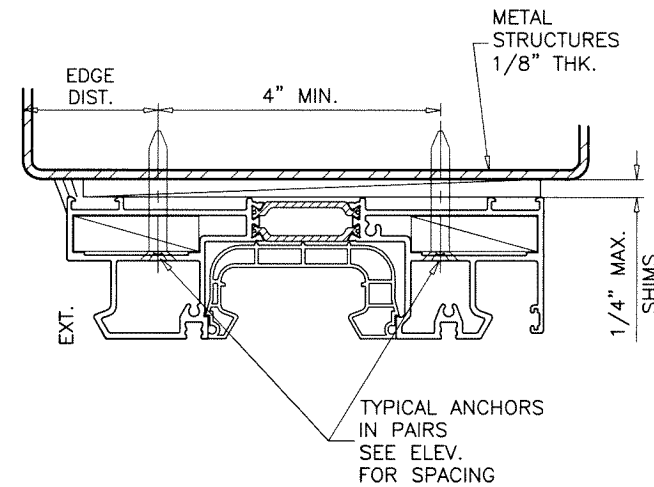
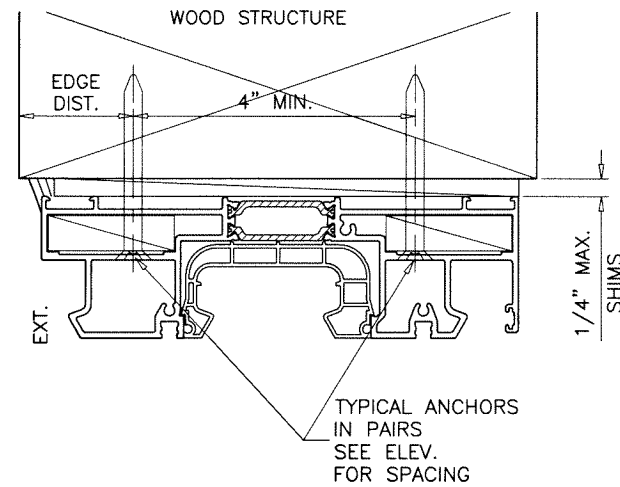
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23-27F
sheet 3.1 of 7



WOOD BUCKS AND METAL STRUCTURE NOT BY 'ALUMIL' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u=164$ KSI, $F_y=148$ KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)

THRU 1BY BUCKS INTO CONC. OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

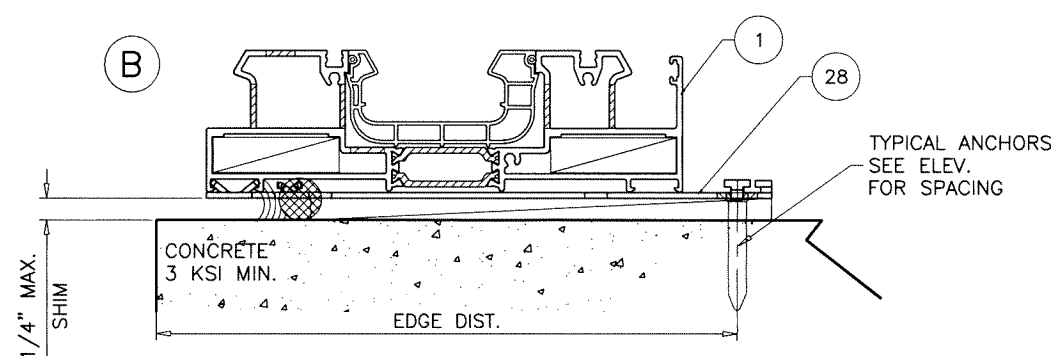
DIRECTLY INTO CONCRETE OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

1/4" DIA. TEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS)
 INTO F.B.C. APPROVED MULLIONS
 OR
 INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
 (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. ($F_y = 36$ KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

CRITICAL EDGE DISTANCE

INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

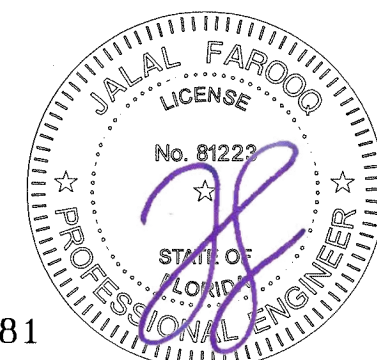
WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
 CONCRETE AT HEAD, SILL OR JAMBS $f'_c = 3000$ PSI MIN.
 C-90 HOLLOW/FILLED BLOCK AT JAMBS $f'_m = 2000$ PSI MIN.



SILL OPTION #2

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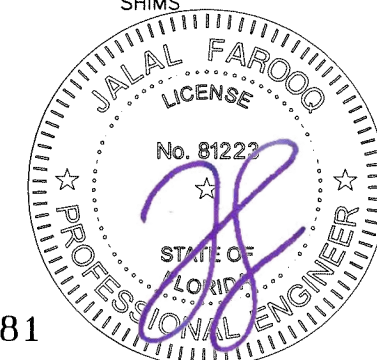
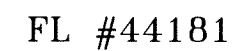
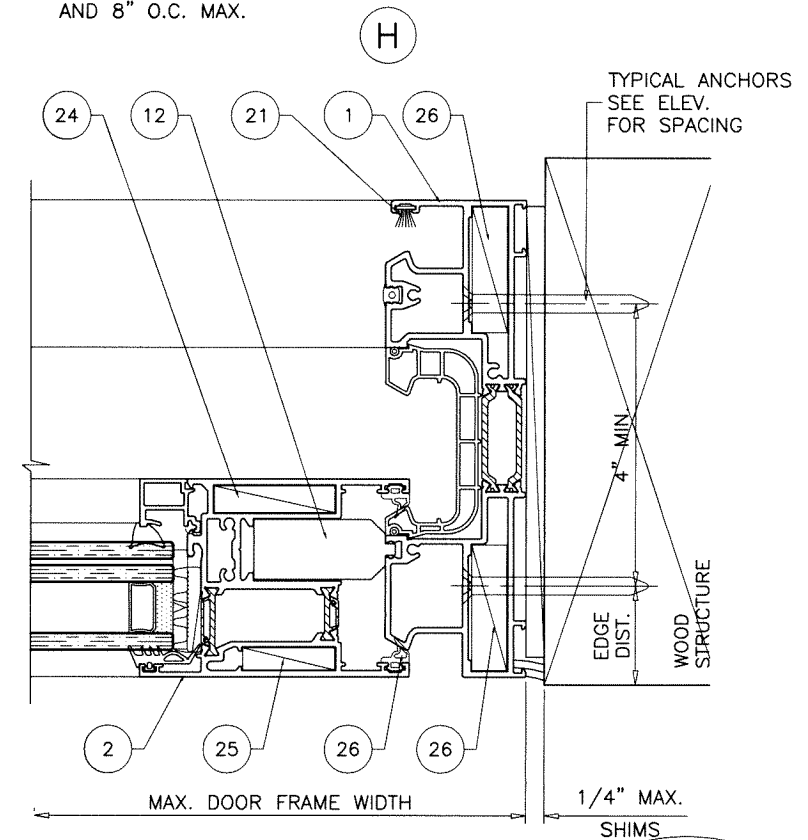
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 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100
 FBPE #5538
 WWW.AFCENG.COM
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SERIES S700 LIFT & SLIDE ALUM DOOR (L.M.I.)
ALUMIL S.A.
 8 Gogousse Str.
 564 29 Efkarpi, Thessaloniki, Greece
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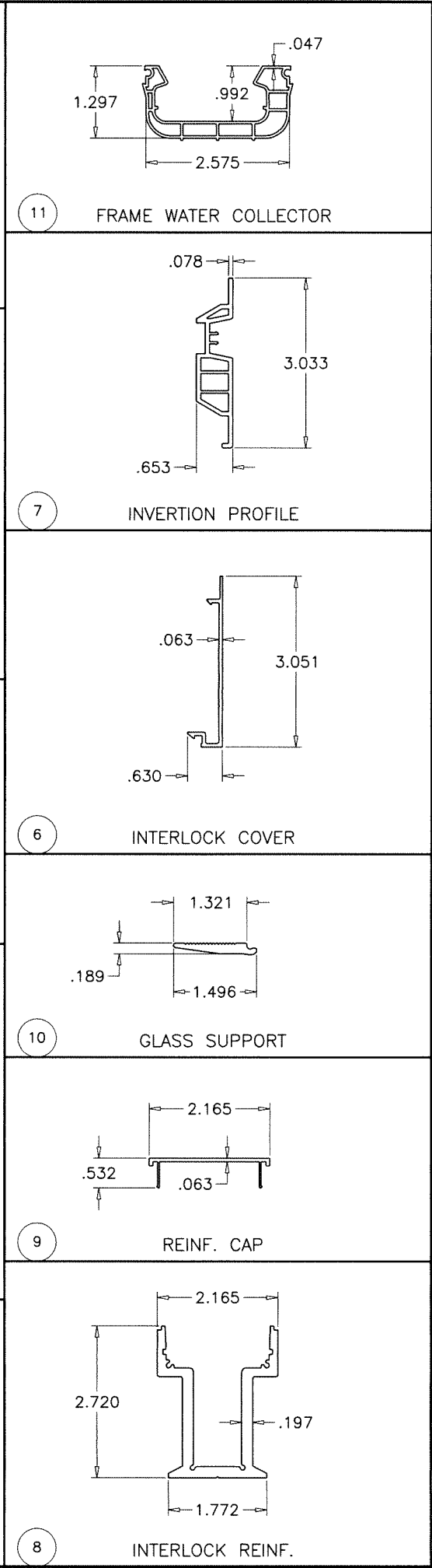
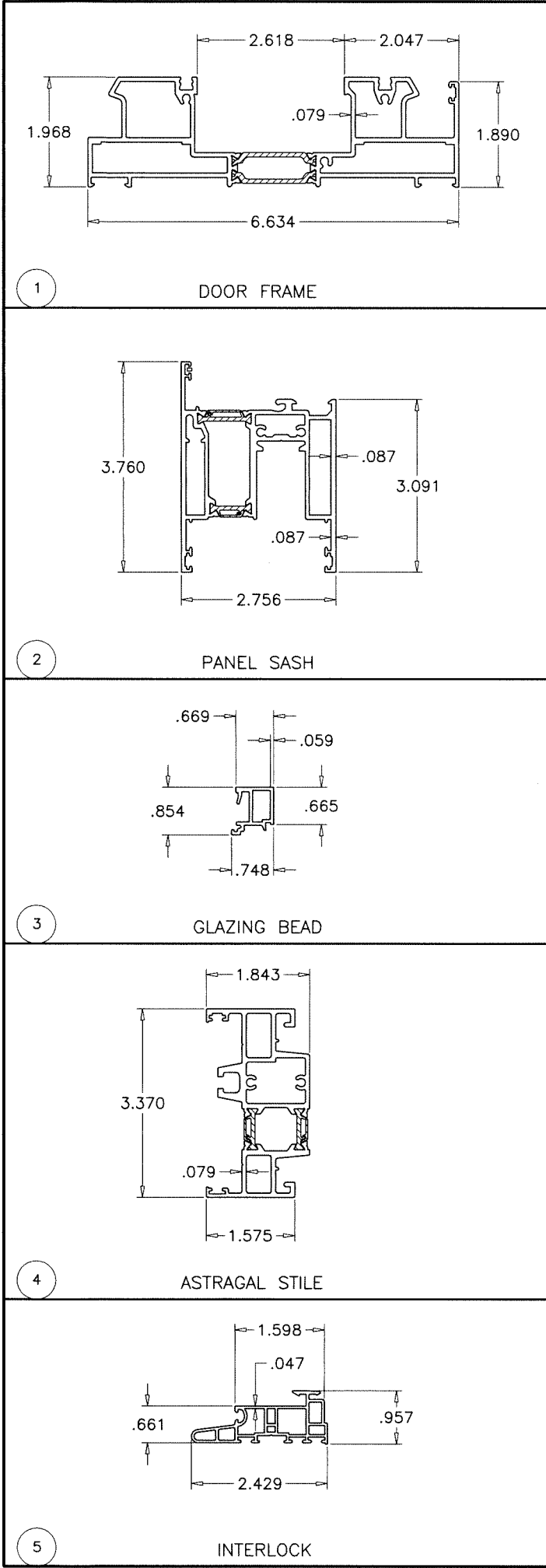
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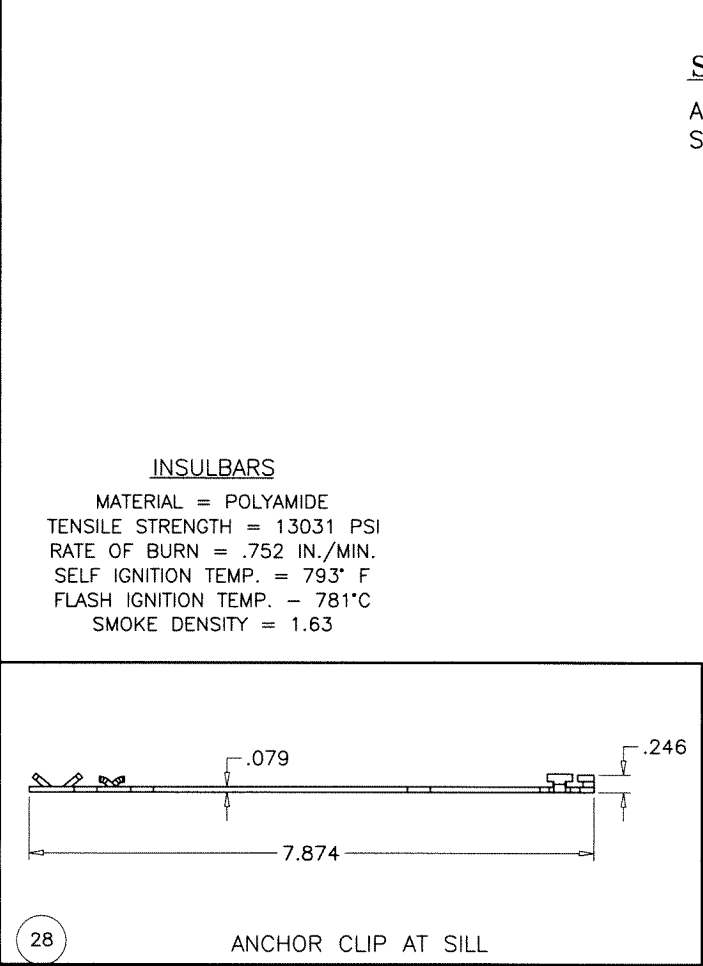
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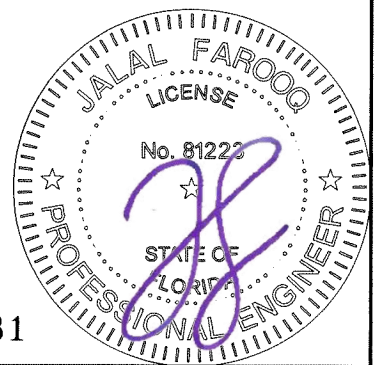


ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	S70702	1	DOOR FRAME	6060-T66	-
2	S70706	4/ PANEL	PANEL SASH	6060-T66	-
3	S70772	4/ PANEL	GLAZING BEAD	6060-T66	-
4	S70734	AS REQD.	ASTRAGAL	6060-T66	-
5	660-00-704-00	AS REQD.	INTERLOCK	6060-T66	-
6	S70704	AS REQD.	INTERLOCK COVER	6060-T66	-
7	600-00-734-00	AS REQD.	INVERSION PROFILE	PLASTIC	-
8	S70793	AS REQD.	INTERLOCK REINFORCEMENT	6060-T66	-
9	S70794	AS REQD.	REINFORCEMENT CAP	6060-T66	-
10	660-00-717-00	AS REQD.	GLASS SUPPORT	6060-T66	-
11	660-00-702-00	AS REQD.	FRAME WATER COLLECTOR	6060-T66	-
12	311-01-302-00	AS REQD.	FIXED SASH SPACER	6060-T66	-
13	415-70-060-00	AS REQD.	TOP MOUNT SASH HOLDER	6060-T66	-
14	290-00-005-00	AS REQD.	SETTING BLOCKS, AT 1/4 POINTS	6060-T66	-
15	200-70-005-03	4/ PANEL	EXTERIOR GLAZING GASKET	EPDM	-
16	200-09-006-01	4/ PANEL	INTERIOR GLAZING GASKET	EPDM	-
17	220-31-230-03	4/ PANEL	GLAZING BEAD GASKET	EPDM	-
18	240-70-002-03	AS REQD.	SASH GASKET	EPDM	-
19	240-00-462-01	AS REQD.	INTERLOCKING PROFILE GASKET	EPDM	-
20	240-70-004-03	AS REQD.	WATER COLLECTOR GASKET	EPDM	-
21	620-69-107-00	AS REQD.	FRAME W'STRIPPING	WOOL PILE	-
22	620-69-107-00	AS REQD.	INTERLOCK W'STRIPPING	WOOL PILE	-
23	660-00-613-00	AS REQD.	PANEL GUIDE	ST. STEEL	-
24	113-43-094-00	AS REQD.	DOUBLE CRIMP CORNER	6060-T66	-
25	113-33-078-00	AS REQD.	DOUBLE CRIMP CORNER	6060-T66	-
26	113-13-444-00	AS REQD.	DOUBLE CRIMP CORNER	6060-T66	-
27	415-48-800-00	2/ MOV. PANEL	ROLLER ASSEMBLY, AT 8" FROM ENDS	-	-
28	470-77-560-00	AS REQD.	ANCHOR CLIP AT SILL	GALV. STEEL	-
29	-	-	-	-	-

SEALANTS:
ALL FRAME AND PANEL CORNERS AND INSTALLATION SCREWS
SEALED WITH CLEAR/ALUMINUM COLORED SEALANT.



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