

*** PRODUCTS DEPICTED ARE THE PROPERTY OF SCHUCO USA L.L.L.P
USE OF THIS PRODUCT APPROVAL REQUIRES WRITTEN AUTHORIZATION BY SCHUCO USA L.L.L.P.
TO THE BUILDING DEPARTMENT WHEN APPLYING FOR A PERMIT. ***

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

SERIES AWS 70.HI / 75.SI+ OUTSWING TERRACE DOOR

APPROVAL APPLIES TO SINGLE UNITS
CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE 2020 (7TH EDITION)/2023 (8TH 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.

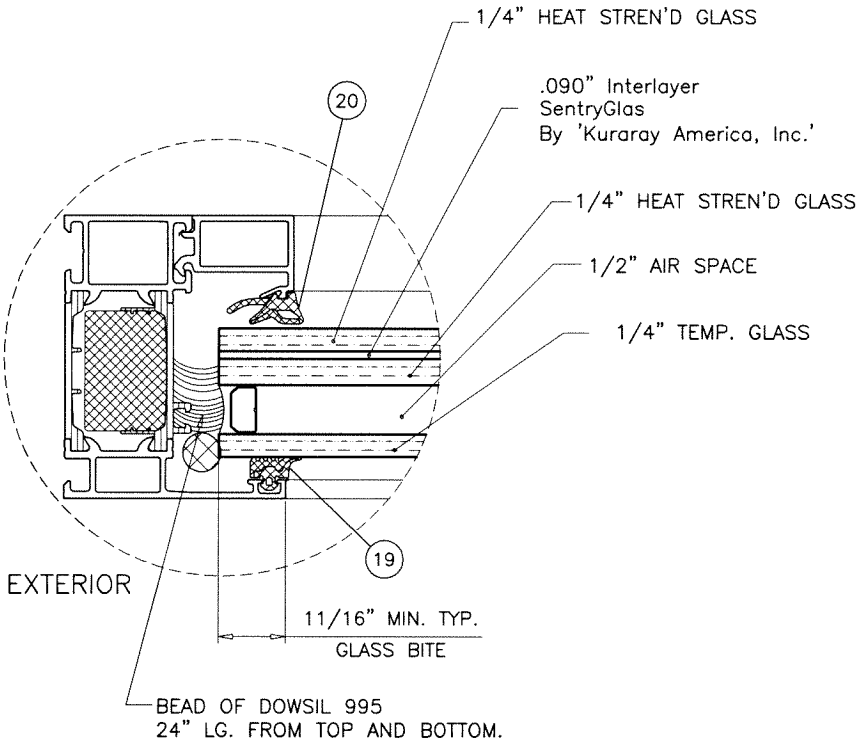
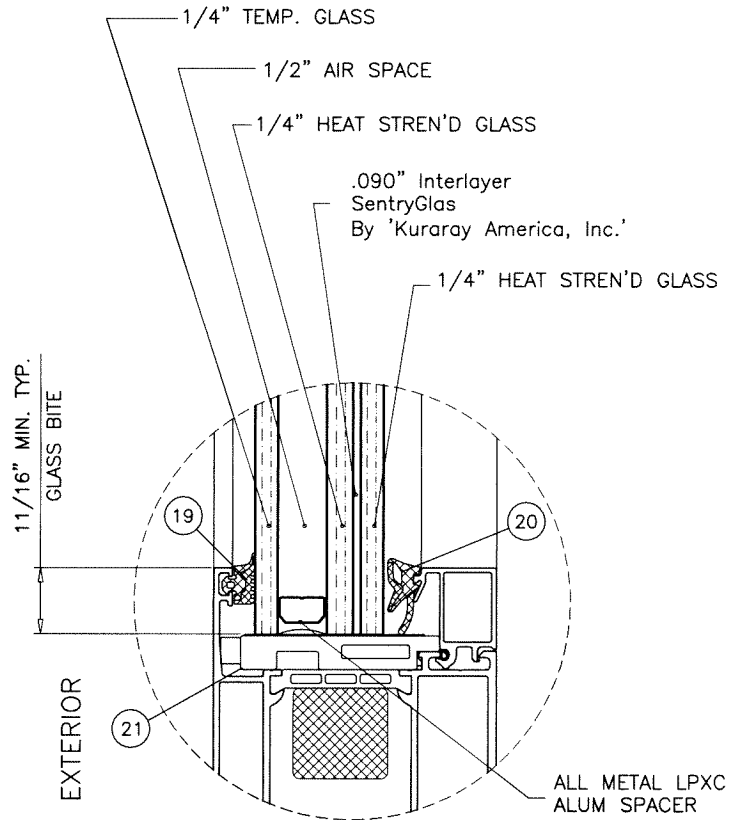
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT
COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE
REQUIREMENTS OF THE 2020/2023 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.



GLASS TYPE '1'
1-5/16" OVERALL INSUL. LAM. GLASS

JAMB ANCHOR SPACING (INCHES)	
PRESSURE (PSF)	TYPE A & B
55	12-1/2"
70	9-3/4"

INSUL. LAM. GLASS
LARGE MISSILE IMPACT

Sealed: 7/24/2023 FL # 26357

- 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.



afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
CMP-ANL\W18-28SCHUCO

SERIES AWS 70.HI/75.SI+ OUTSWING TERRACE DOOR (L.M.I.)
SCHUCO USA L.L.P.
240 PANE ROAD
NEWINGTON, CT 06111
TEL. (860) 666-0505 FAX (860) 616-0188

revisions:		no	date	by	description
		A	12.10.20	ML	GENERAL REVISION
		B	07.06.23		UPDATED TO 2023 FBC
date:	01-18-18	scale:	1 : 2	dr. by:	MLS
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drawing no.	W18-28	sheet	1 of 13		

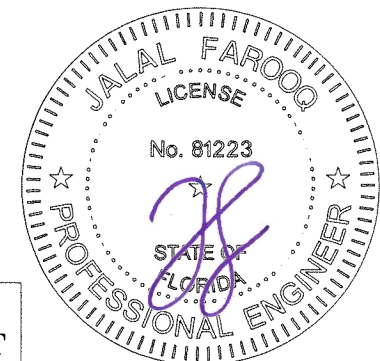


NOTES:

1. USE CHART ON THIS SHEET FOR DOOR CAPACITY IN COMBINATION WITH SIDELITE.
2. FOR SIDELITE CAPACITY SE CHART ON SHEET # 4.

Sealed: 7/24/2023

FL # 26357



NOTE:
INTERPOLATION BETWEEN WIDTHS
ALLOWED.

INSUL. LAM. GLASS
LARGE MISSILE IMPACT

SERIES AWS 70.HI/75.SI+ OUTSWING TERRACE DOOR (L.M.I.)

SCHUCO USA LLLP.
340 BANE ROAD

240 PANE ROAD
NEWINGTON, CT 06111

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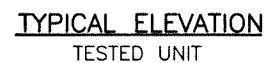
AL-FAROOQ CORPORATION

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9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)

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TEL. (305) 264-8100 FAX. (305) 262-6978

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date: 01-18-18		revisions:	
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sheet 2 of 13			

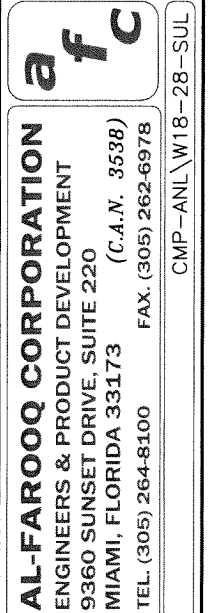


NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

TYPICAL ELEVATION
TESTED UNIT

Sealed: 7/24/2023

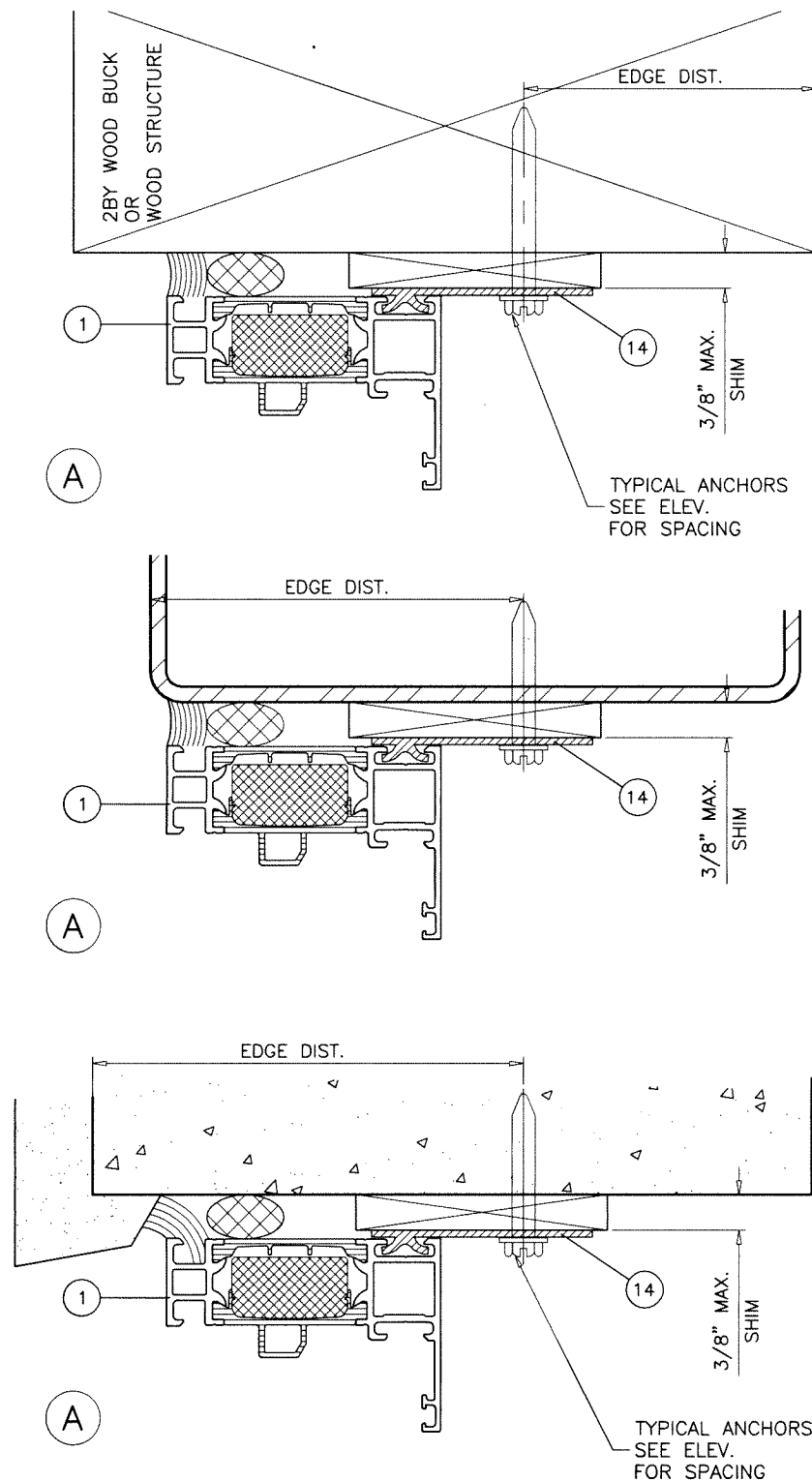
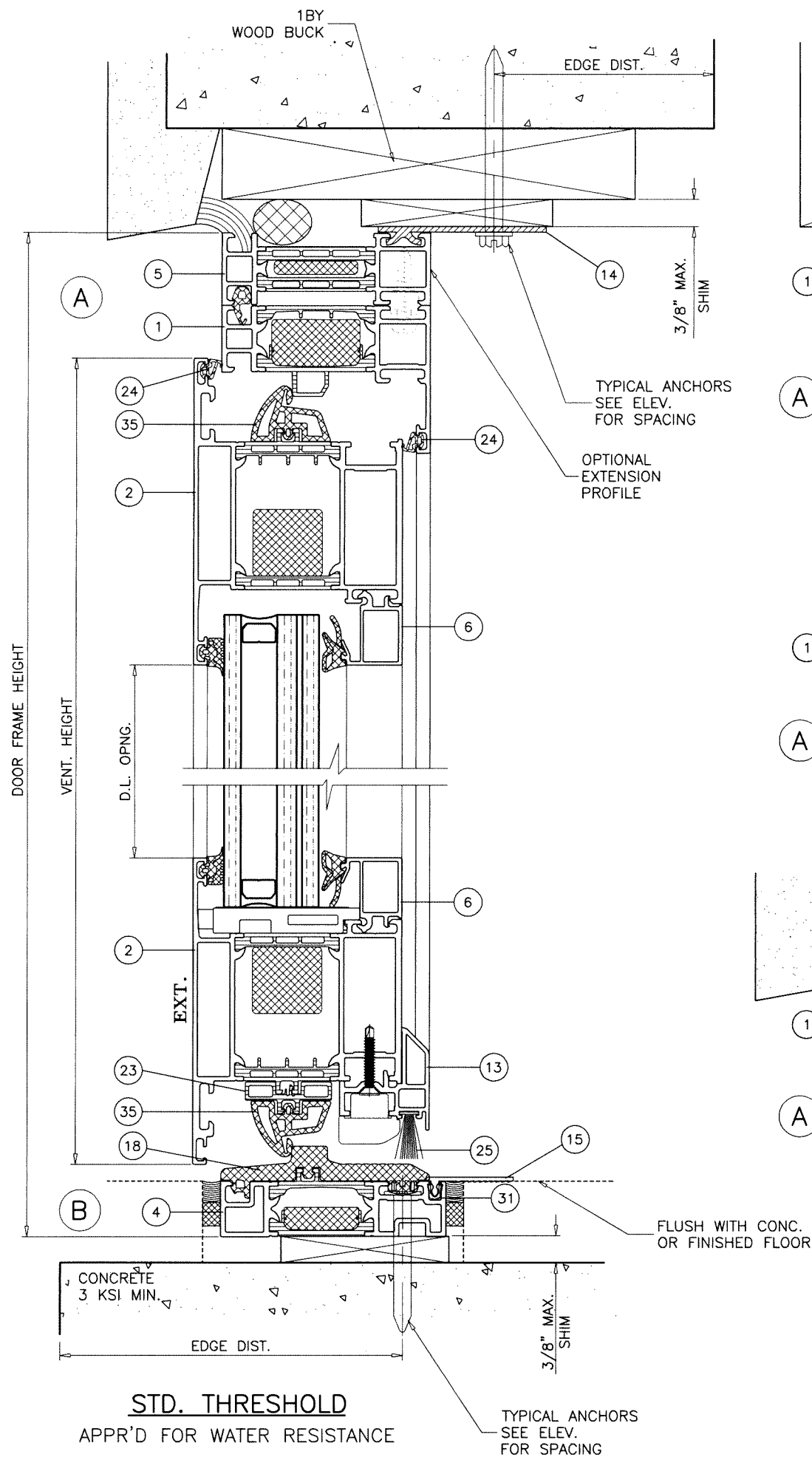
FL # 26357



SERIES AWS 70.HI/75.SI+ OUTSWING TERRACE DOOR (L.M.I.)

SCHUCO USA LLLP.
240 PANE ROAD
NEWINGTON, CT 06111
TEL. (860) 666-0505 FAX (860) 616-0188

date: 01-18-18		revisions:	
scale: 1/2" = 1'-0"		no	date
dr. by: M.L.S.		by description	
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drawing no.			
W18-28			
sheet 3 of 13			



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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE A - 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/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

TYPE B - 1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS OR
 INTO METAL STRUCTURES (HEAD/JAMBS)
 (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
 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)

TYPICAL EDGE DISTANCE

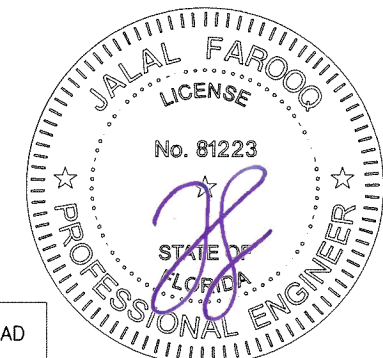
INTO CONCRETE = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.
 INTO BLOCK = 2-1/2" MIN.

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.

SEALANTS:

ALL FRAME MITRE CORNERS AND T JOINTS SEALED WITH SCHUCO (298864) SILICONE SEALANT.
 ALL CORNERS AND T-CLEATS FILLED WITH SCHUCO SEALANT (298900).

FL # 26357



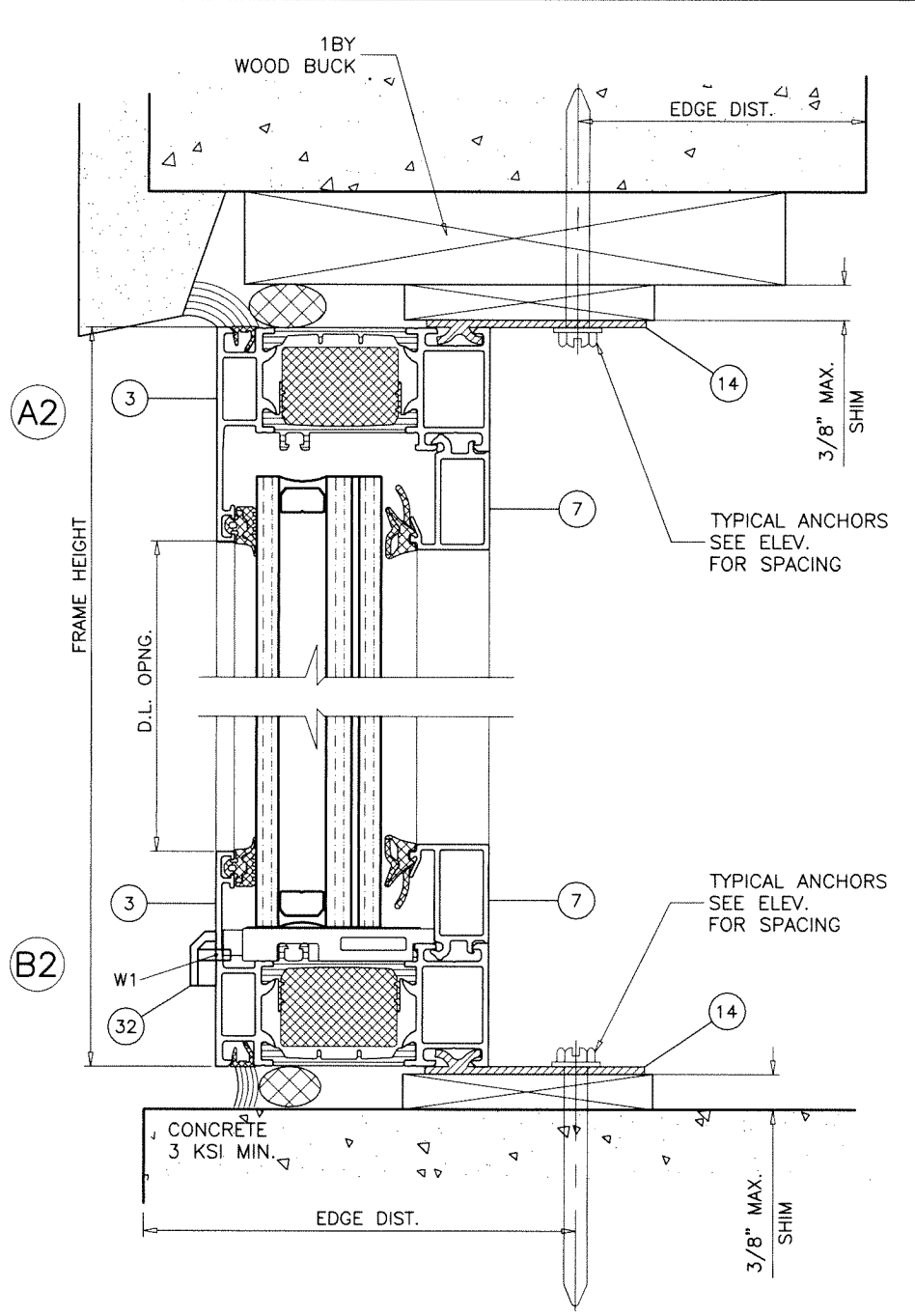
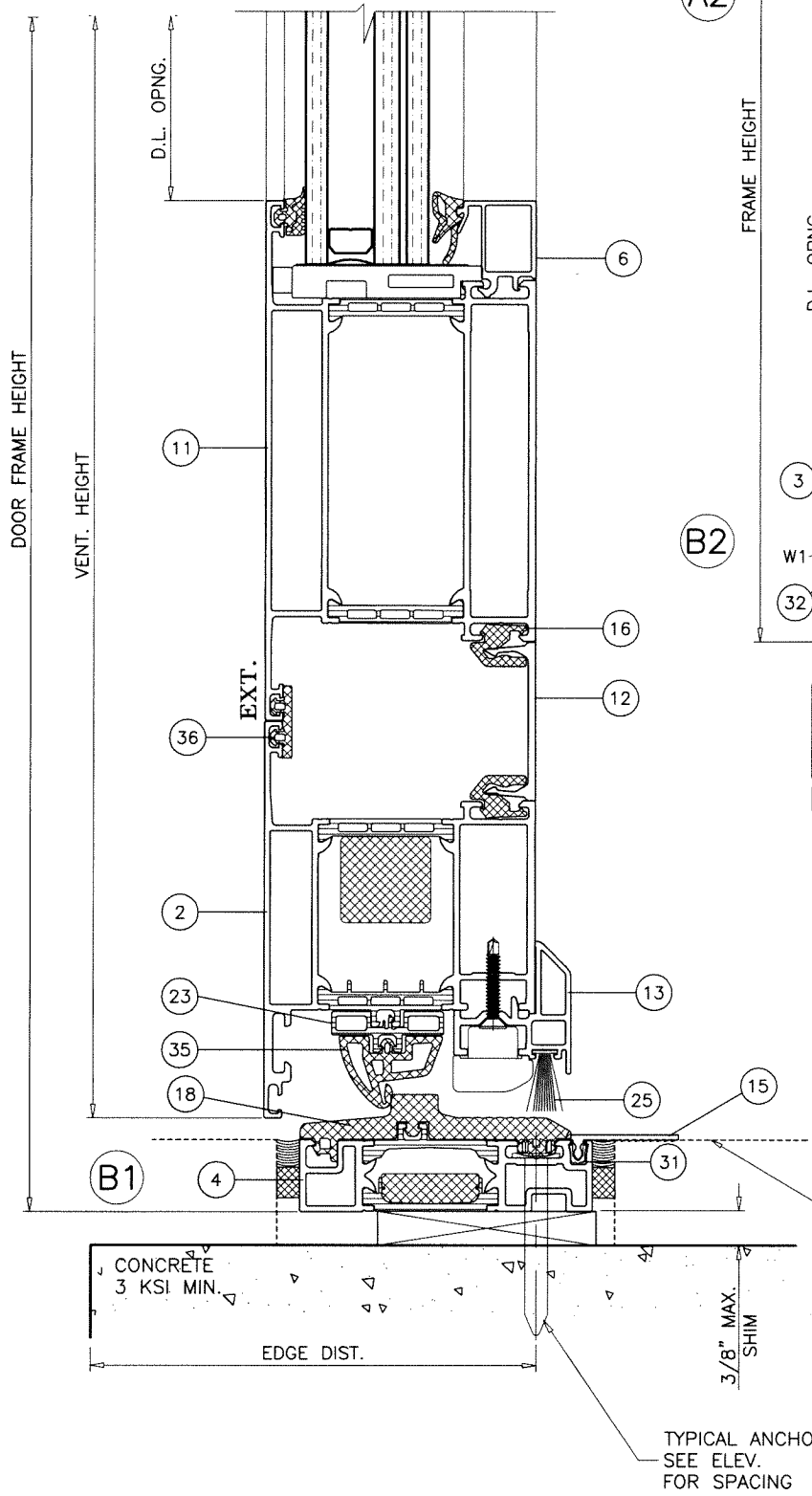
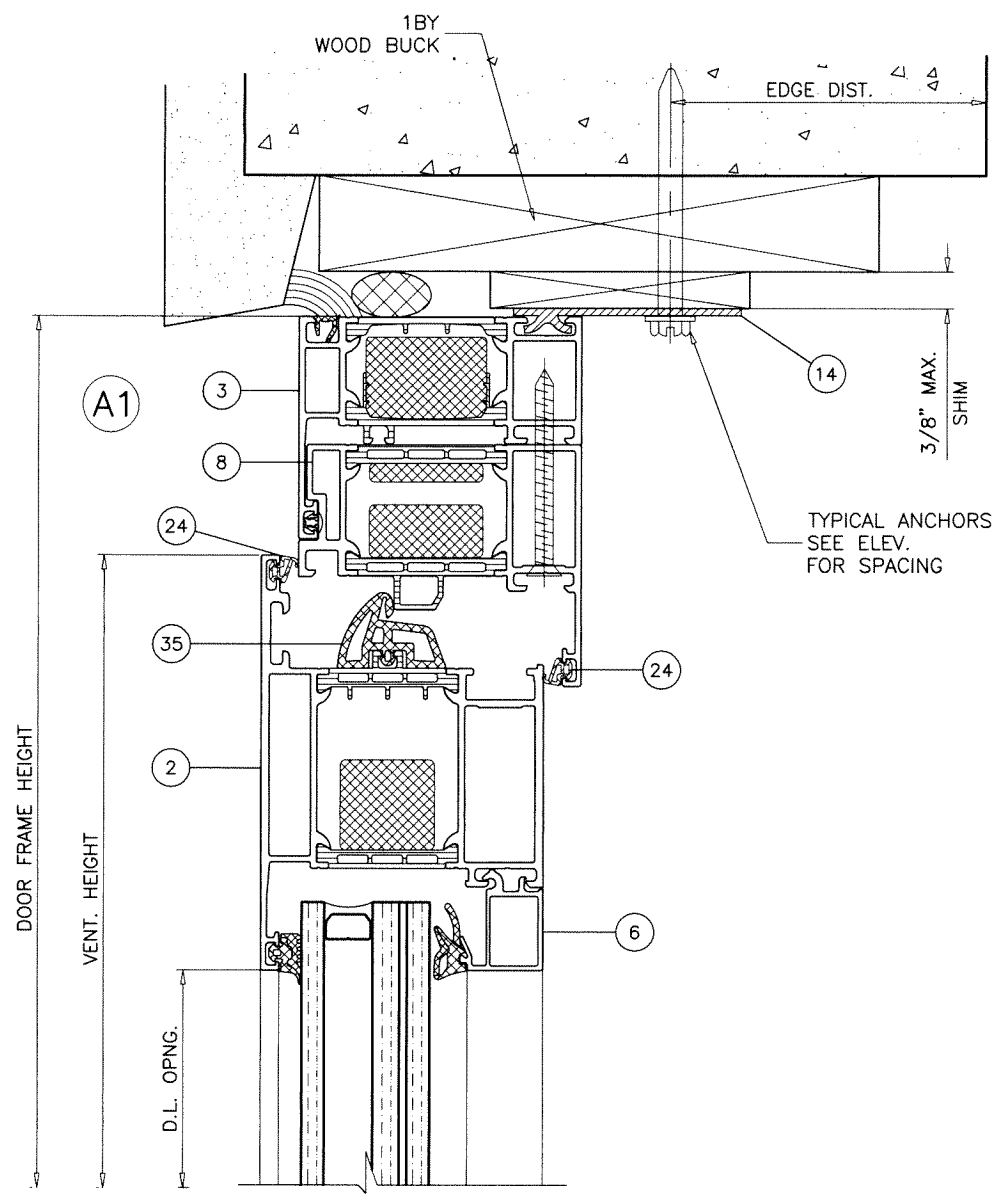
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STRAP ANCHOR INSTALLATION AT HEAD

AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
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 TEL. (305) 264-8100 FAX. (305) 262-6978
 CMP-ANL W18-28-SUL

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 240 PANE ROAD
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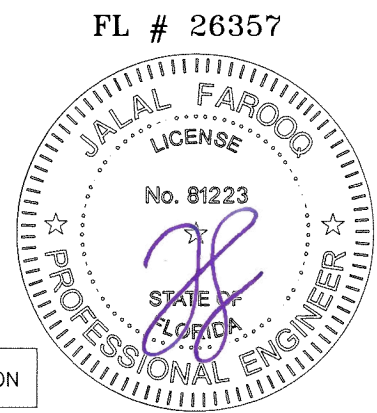
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WEEPHOLES:
W1 = (3) AT FIXED LITE SILL.
ONE AT EACH END AND ONE AT CENTER

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STRAP ANCHOR INSTALLATION



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C.M.P.-ANL \ W18-28-SUL

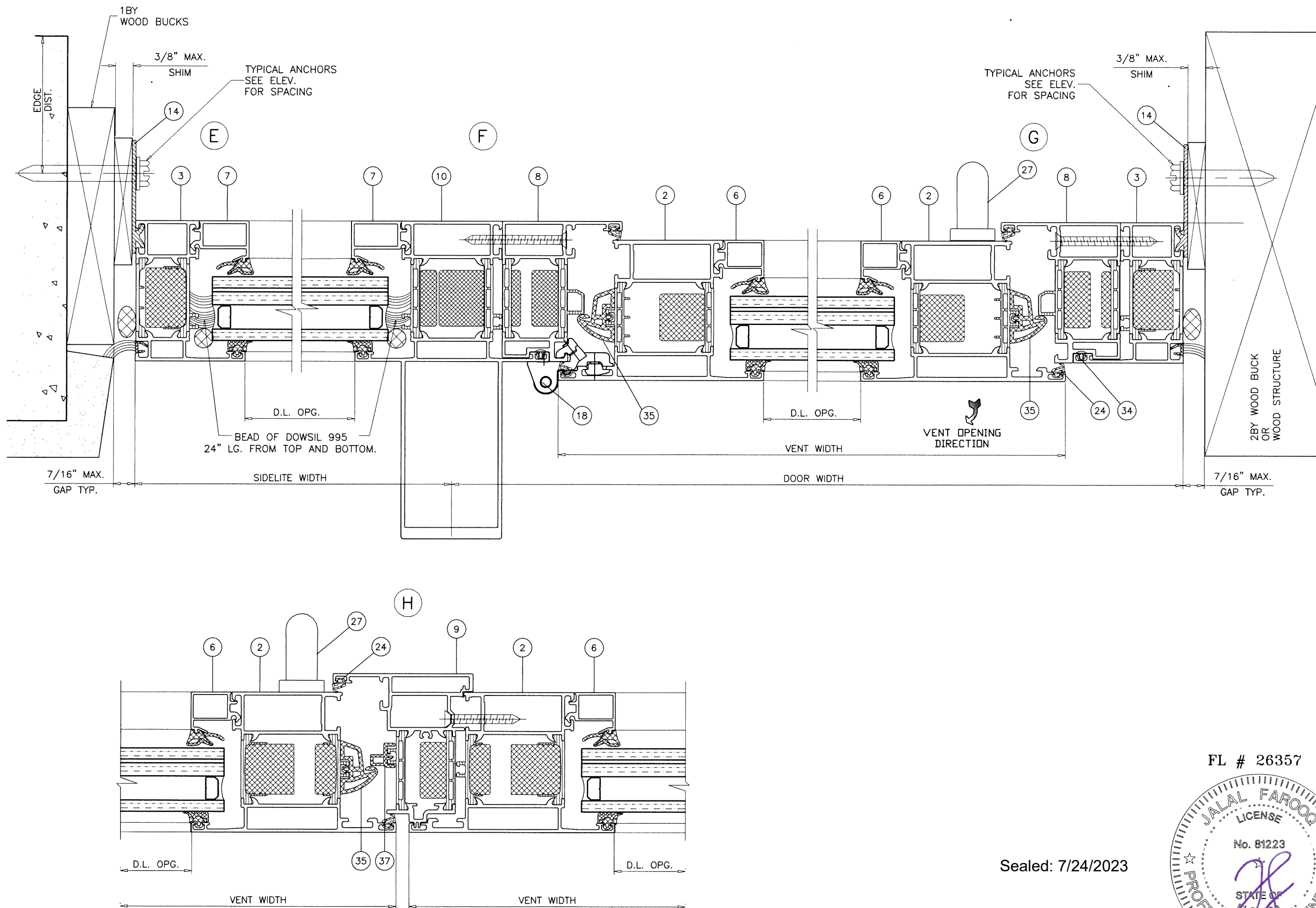
SERIES AWS 70.H/75.SI+ OUTSWING TERRACE DOOR (L.M.I.)

SCHUCHO USA LLLP.
240 PANE ROAD
NEWINGTON, CT 06111
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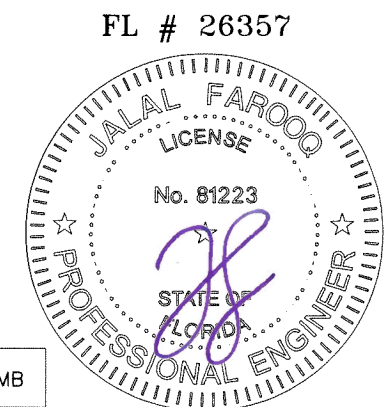
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W18-28

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STRAP ANCHOR INSTALLATION AT JAMB



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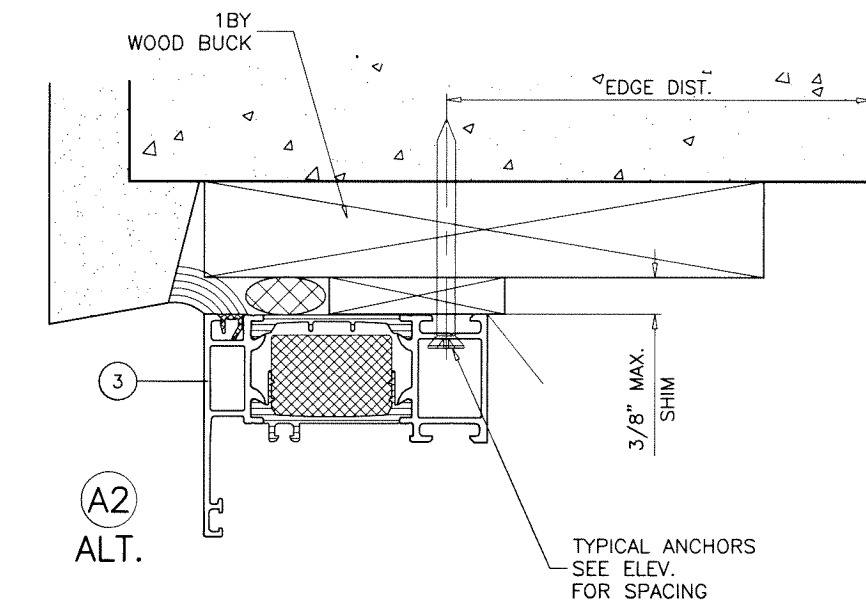
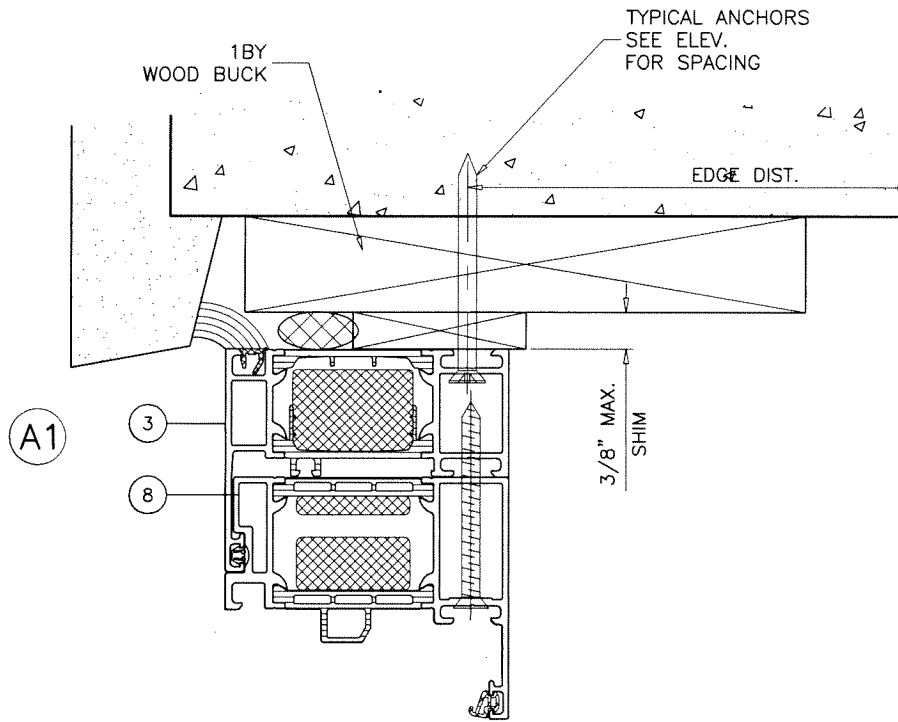
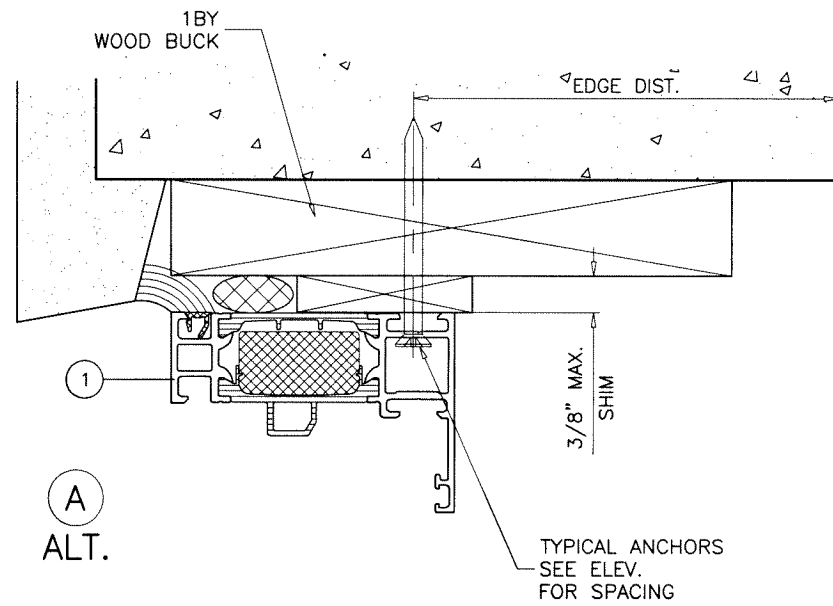
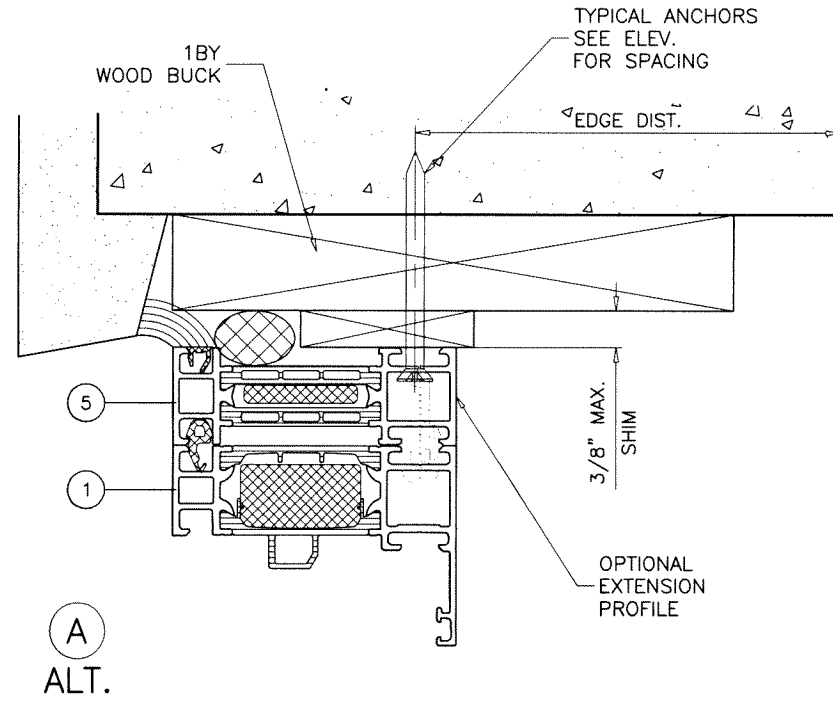
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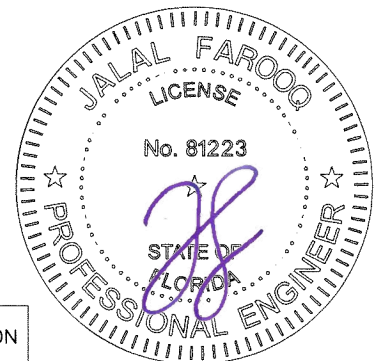
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TYPICAL THROUGH FRAME INSTALLATION DETAILS
APPLIES TO ALL OTHER SHOWN SUBSTRATES.

Sealed: 7/24/2023

THROUGH FRAME ANCHOR INSTALLATION



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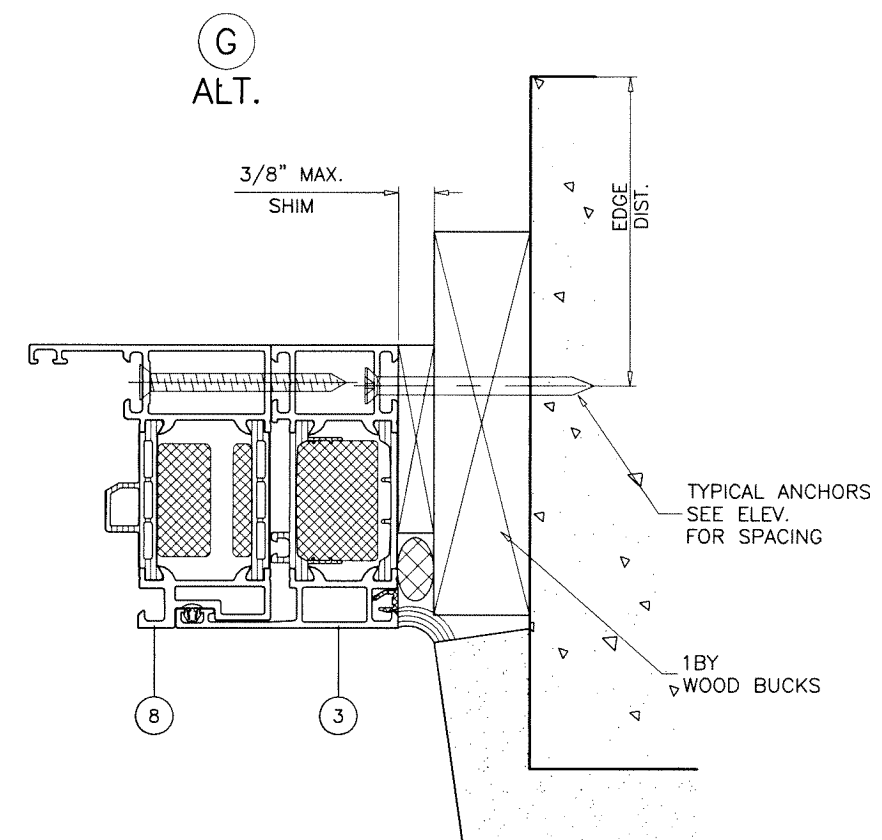
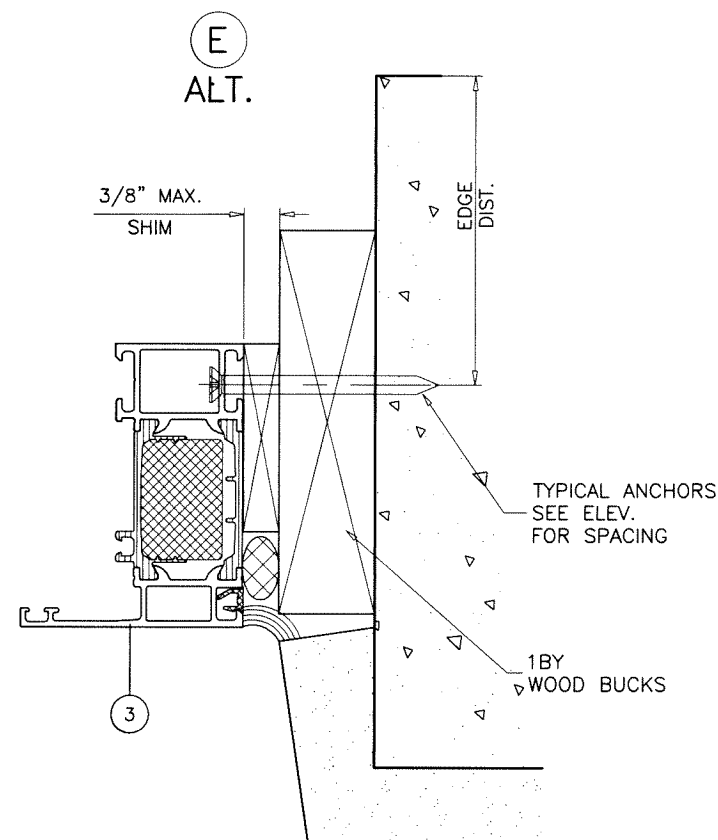
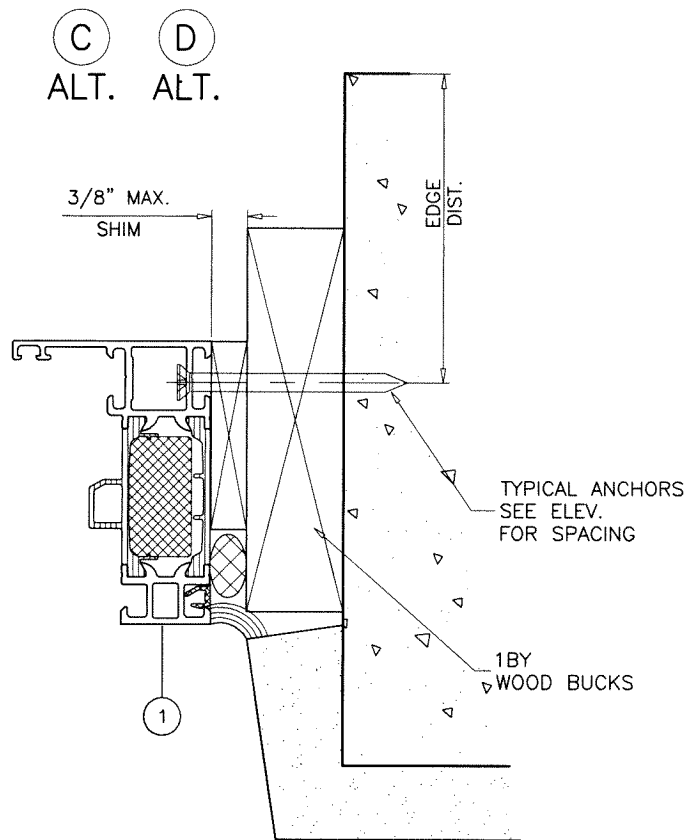
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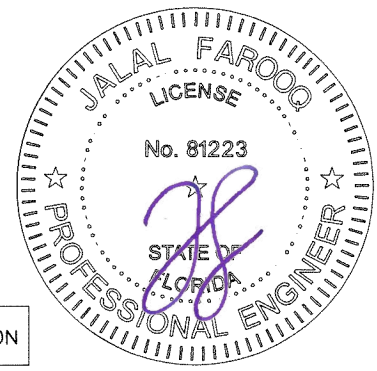
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TYPICAL THROUGH FRAME INSTALLATION DETAILS
APPLIES TO ALL OTHER SHOWN SUBSTRATES.

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THROUGH FRAME ANCHOR INSTALLATION



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ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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TEL. (305) 264-8100 FAX. (305) 262-6978

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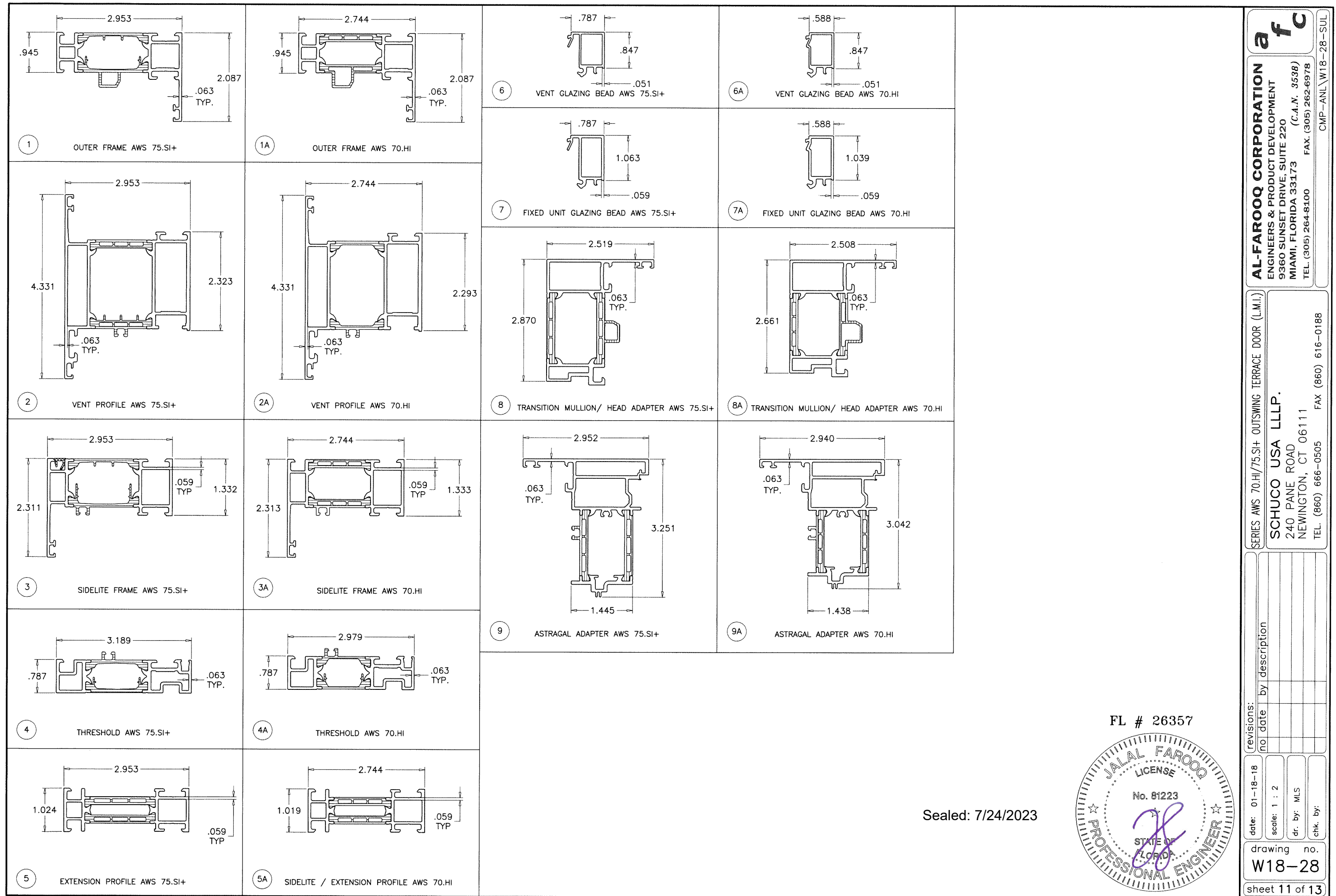
SCHUCO USA LLLP.
240 PANE ROAD
NEWINGTON, CT 06111
TEL. (860) 666-0505 FAX (860) 616-0188

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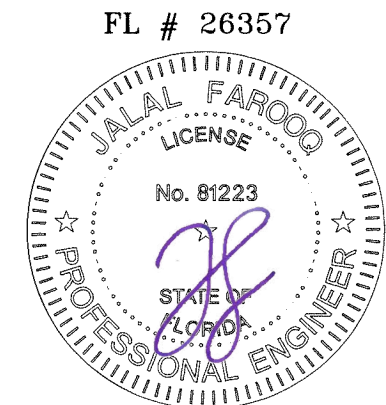
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Sealed: 7/24/2023



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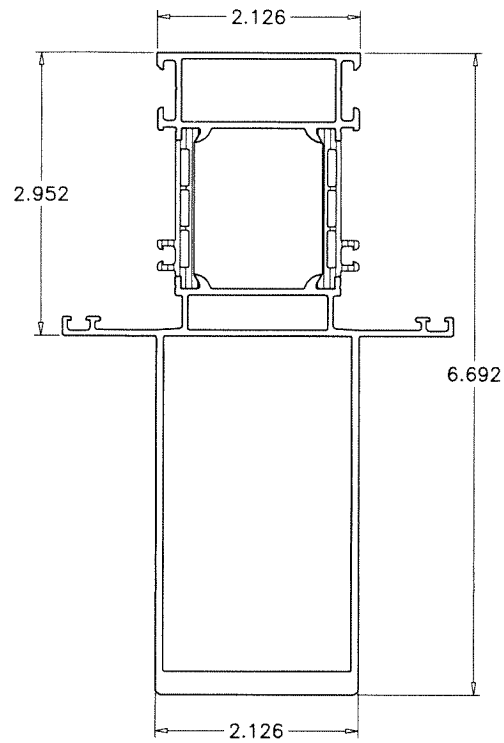
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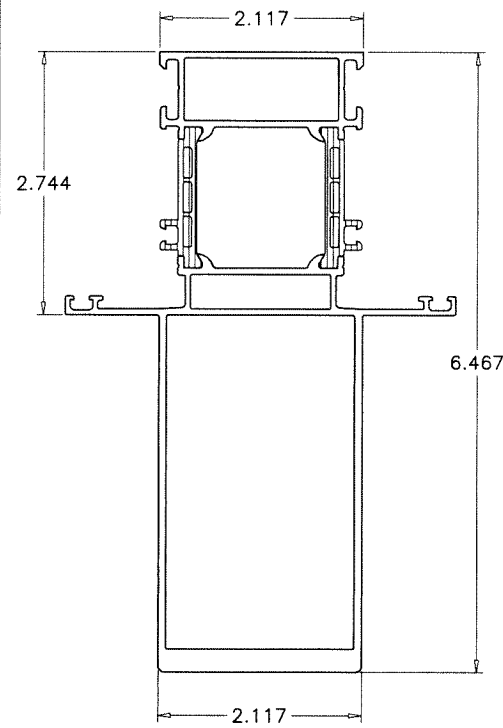
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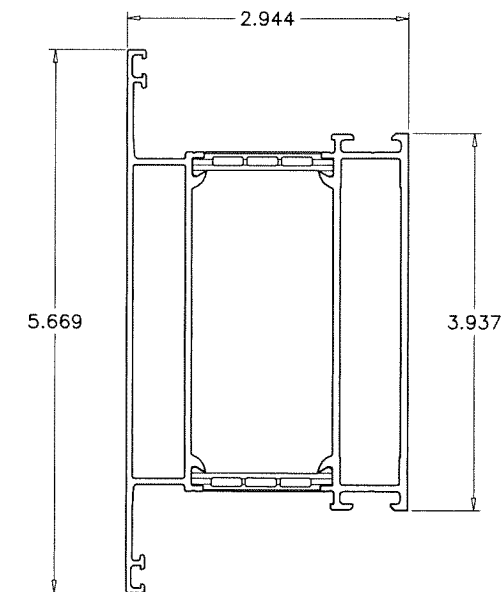
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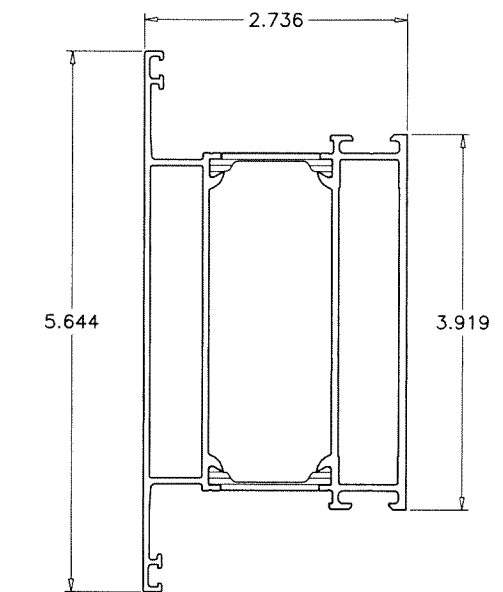
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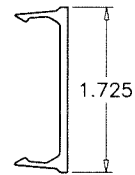
10A TRANSITION MULLION AWS 70.HI



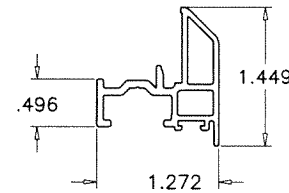
11 HI-BOTTOM ADAPTER AWS 75.SI+



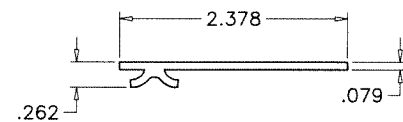
11A HI-BOTTOM ADAPTER AWS 70.HI



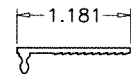
12 10" BOTTOM RAIL COVER



13 DOOR SILL ADAPTER

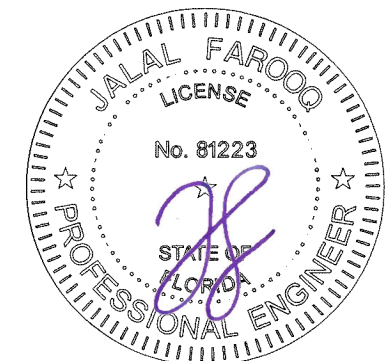


14 STRAP ANCHOR



15 WALL ATTACHMENT

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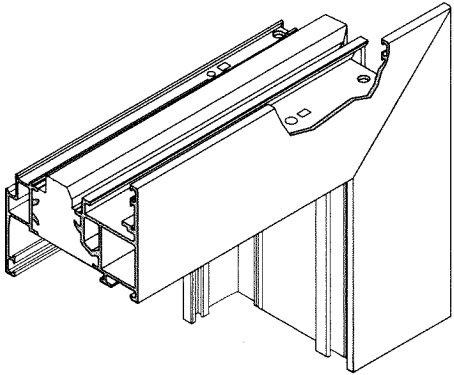
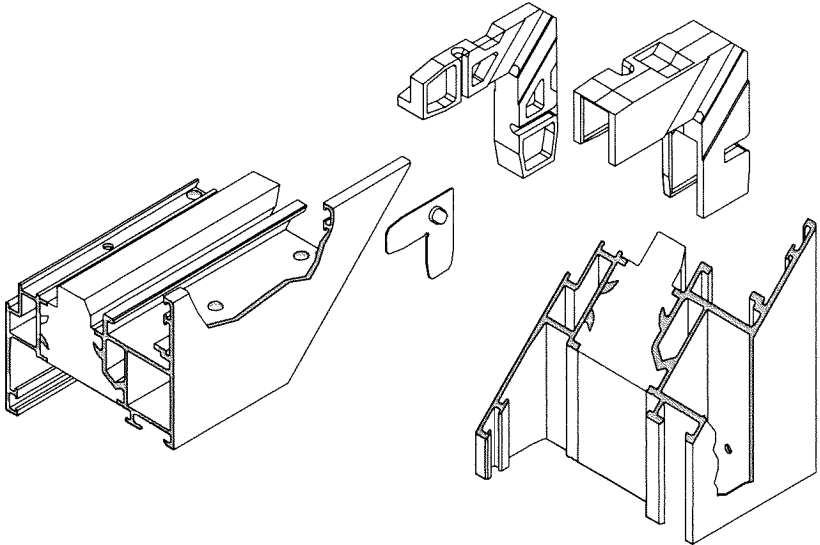
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W18-28
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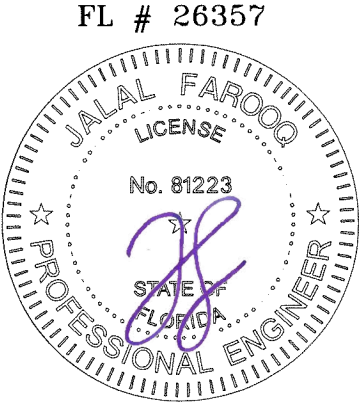
ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL
1	480830	4	AWS 75.SI+ OUTER FRAME	6063-T6
1A	197360	4	AWS 70.HI OUTER FRAME	6063-T6
2	480790	4	AWS 75.SI+ VENT PROFILE	6063-T6
2A	486380	4	AWS 70.HI VENT PROFILE	6063-T6
3	382130	4	AWS 75.SI+ SIDELITE FRAME	6063-T6
3A	358150	4	AWS 70.HI SIDELITE FRAME	6063-T6
4	486756	1	AWS 75.SI+ THRESHOLD	6063-T6
4A	486706	1	AWS 70.HI THRESHOLD	6063-T6
5	382070	AS REQD.	AWS 75.SI+ EXTENSION PROFILE	6063-T6
5A	358090	AS REQD.	AWS 70.HI EXTENSION PROFILE	6063-T6
6	345510	AS REQD.	AWS 75.SI+ VENT GLAZING BEAD	6063-T6
6A	346610	AS REQD.	AWS 70.HI VENT GLAZING BEAD	6063-T6
7	467770	AS REQD.	AWS 75.SI+ FIXED UNIT GLAZING BEAD	6063-T6
7A	489760	AS REQD.	AWS 70.HI FIXED UNIT GLAZING BEAD	6063-T6
8	494320	AS REQD.	AWS 75.SI+ TRANSITION MULLION/ HEAD ADAPTER	6063-T6
8A	494310	AS REQD.	AWS 70.HI TRANSITION MULLION/ HEAD ADAPTER	6063-T6
9	485460	AS REQD.	AWS 75.SI+ ASTRAGAL ADAPTER	6063-T6
9A	197580	AS REQD.	AWS 70.HI ASTRAGAL ADAPTER	6063-T6
10	367300	AS REQD.	AWS 75.SI+ TRANSITION MULLION	6063-T6
10A	367210	AS REQD.	AWS 70.HI TRANSITION MULLION	6063-T6
11	9634794	AS REQD.	AWS 75.SI+ HI-BOTTOM ADAPTER	6063-T6
11A	9635019	AS REQD.	AWS 70.HI HI-BOTTOM ADAPTER	6063-T6
12	9634795	AS REQD.	10" BOTTOM RAIL COVER	6063-T6
13	485880	AS REQD.	AWS 75.SI+/ 70.HI WEATHERSTRIP CARRIER	6063-T6
14	207628	AS REQD.	STRAP ANCHOR HEAD/JAMBS	50961-Fe/Zn 8 C
15	129560	AS REQD.	WALL ATTACHMENT	
16	203108	AS REQD.	PROFILE RETAINING CLIP	
17	236522/236523	AS REQD.	CORNER KEY	6063-T6
18	278475	AS REQD.	AWS 75.SI+ THRESHOLD COVER PRF. 75	
18A	278470	AS REQD.	AWS 70.HI THRESHOLD COVER PRF. 75	
19	284321	AS REQD.	GASKET 6	
19A	284351	AS REQD.	AWS 70.HI OUTER GLAZING GASKET	
20	284836	AS REQD.	AWS 75.SI+ WED. GASKET CIRC7-8MM	
20A	284837	AS REQD.	AWS 70.HI WED. GASKET CIRC7-10MM	
21	288163	2/ LITE	AWS 75.SI+ GLAZING SUPPORT	POLYAMIDE 80±5 SHORE A
21A	288166	2/ LITE	AWS 70.HI GLAZING SUPPORT	POLYAMIDE 80±5 SHORE A
22	106116	AS REQD.	LOCKING BAR	6063-T6
23	278467	AS REQD.	ADAPTER PROFILE MD	
24	224310	AS REQD.	CONTINUOUS REBATE GASKET	EPDM
25	278244	AS REQD.	BRUSH SEAL	
26	248807	5	BARREL HINGE	
27	269622	1	AWS 75.SI+ HANDLE	
27A	9639482	1	AWS 70.HI HANDLE	
28	248890/248891	1	6-POINT VERT LOCK	
29	248890/248891	1	2-POINT HORIZONTAL LOCK	
30	--	AS REQD.	SCHUCO SEALANT	
31	203086	AS REQD.	RETAINING CLIP	
32	208694	3/ LITE	WEEP SLOT COVER	
33	244516	AS REQD.	HEAD/SILL COVER	
34	224197	AS REQD.	DOOR ADAPTER GASKET	
35	278260	AS REQD.	CENTRE GASKET	
36	224114	AS REQD.	HI-BOTTOM RAIL CONNECTOR	
37	278461	AS REQD.	ASTRAGAL CENTRE GASKET RECEPTOR	

HINGES

(5) BARREL HINGE (248807). AT 3" FROM TOP AND BOTTOM ENDS AND 23-1/2", 47" AND 70-1/2" FROM BOTTOM CORNER



Sealed: 7/24/2023



a f c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 262-6978
FAX. (305) 262-6978
C.M.P.-ANL \ W18-28-SUL

SERIES AWS 70.HI/75.SI+ OUTSWING TERRACE DOOR (L.M.I.)
SCHUCO USA LLLP.
240 PANE ROAD
NEWINGTON, CT 06111
TEL. (860) 666-0505 FAX (860) 616-0188

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