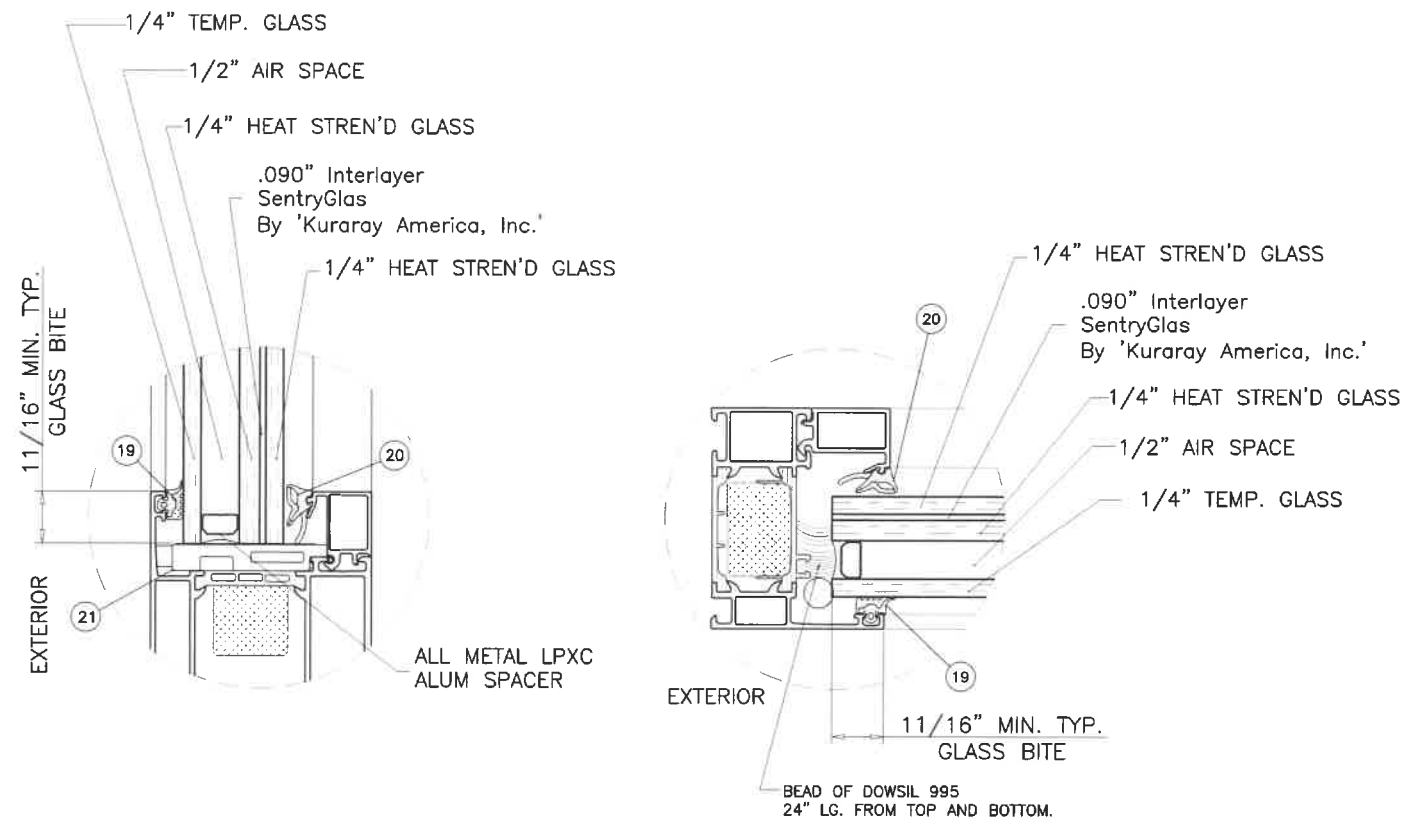


*** PRODUCTS DEPICTED ARE THE PROPERTY OF SCHUCO USA L.L.L.P
 USE OF THIS PRODUCT APPROVAL REQUIRES WRITTEN AUTHORIZATION BY SCHUCO USA L.L.L.P.
 TO THE BUILDING DEPARTMENT WHEN APPLYING FOR A PERMIT. ***



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 2018 INTERNATIONAL RESIDENTIAL CODE (IRC) AND 2018 INTERNATIONAL BUILDING CODE (IBC).

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.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2018 IRC/IBC.

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.

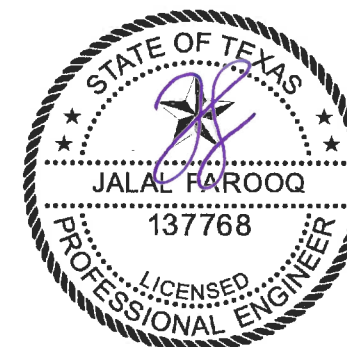
DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTIONS R613.4 AND R613.7.1 OF THE IRC AND SECTION 1714.5.1 OF THE IBC.

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

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

INSUL. LAM. GLASS
 LARGE MISSILE IMPACT



Sealed: 4/14/2021

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

af c
AL-FAROOQ CORPORATION
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 9360 SUNSET DRIVE, SUITE 220
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revisions:
 no date by description

date: 03-22-21

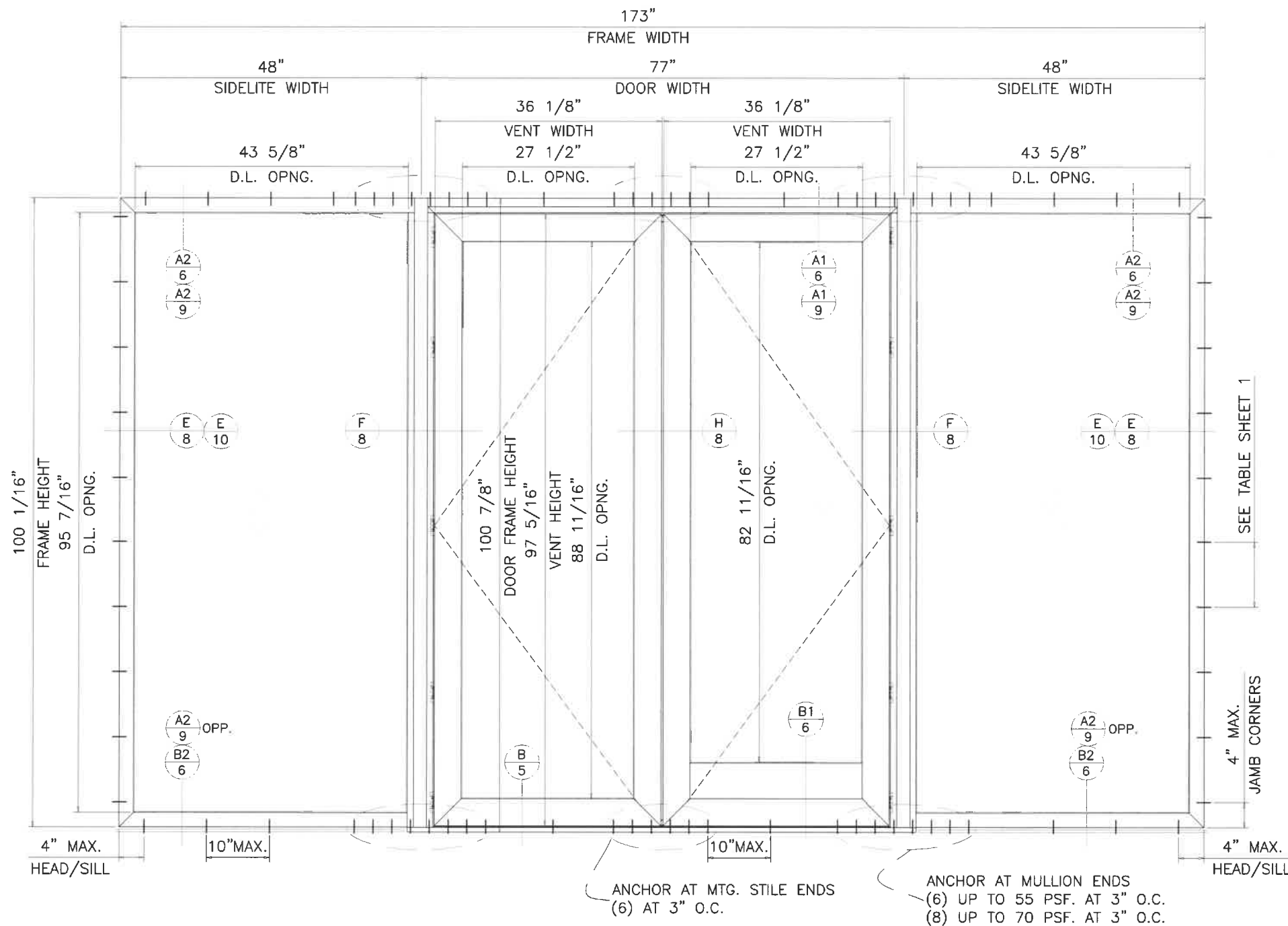
scale: 1 : 16

dr. by: MLS

chk. by:

drawing no.
 21-29T

sheet 1 of 13



TYPICAL ELEVATION
TESTED UNIT

DOOR LOAD CAPACITY - PSF		
DOUBLE DOOR W/ SIDELITE (0XX0)		
DOOR WIDTH	FRAME HEIGHT (W/ HEADER ADAPTER)	EXT.(+) INT.(-)
77"	100-7/8"	60.0
	93-1/16"	65.0
	86-7/16"	70.0

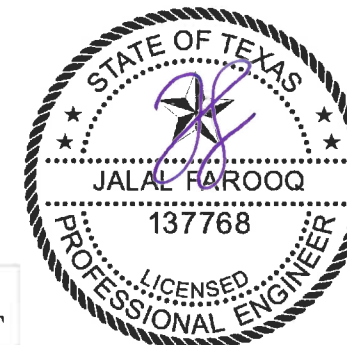
NOTE:
INTERPOLATION BETWEEN WIDTHS ALLOWED.

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

LOWER VALUES FROM STEPS 1 AND 2 WILL APPLY TO ENTIRE SYSTEM.

INSUL. LAM. GLASS
LARGE MISSILE IMPACT

Sealed: 4/14/2021



revisions:
no date by description

date: 03-22-21
scale: 1 : 16
dr. by: MLS
chk. by:

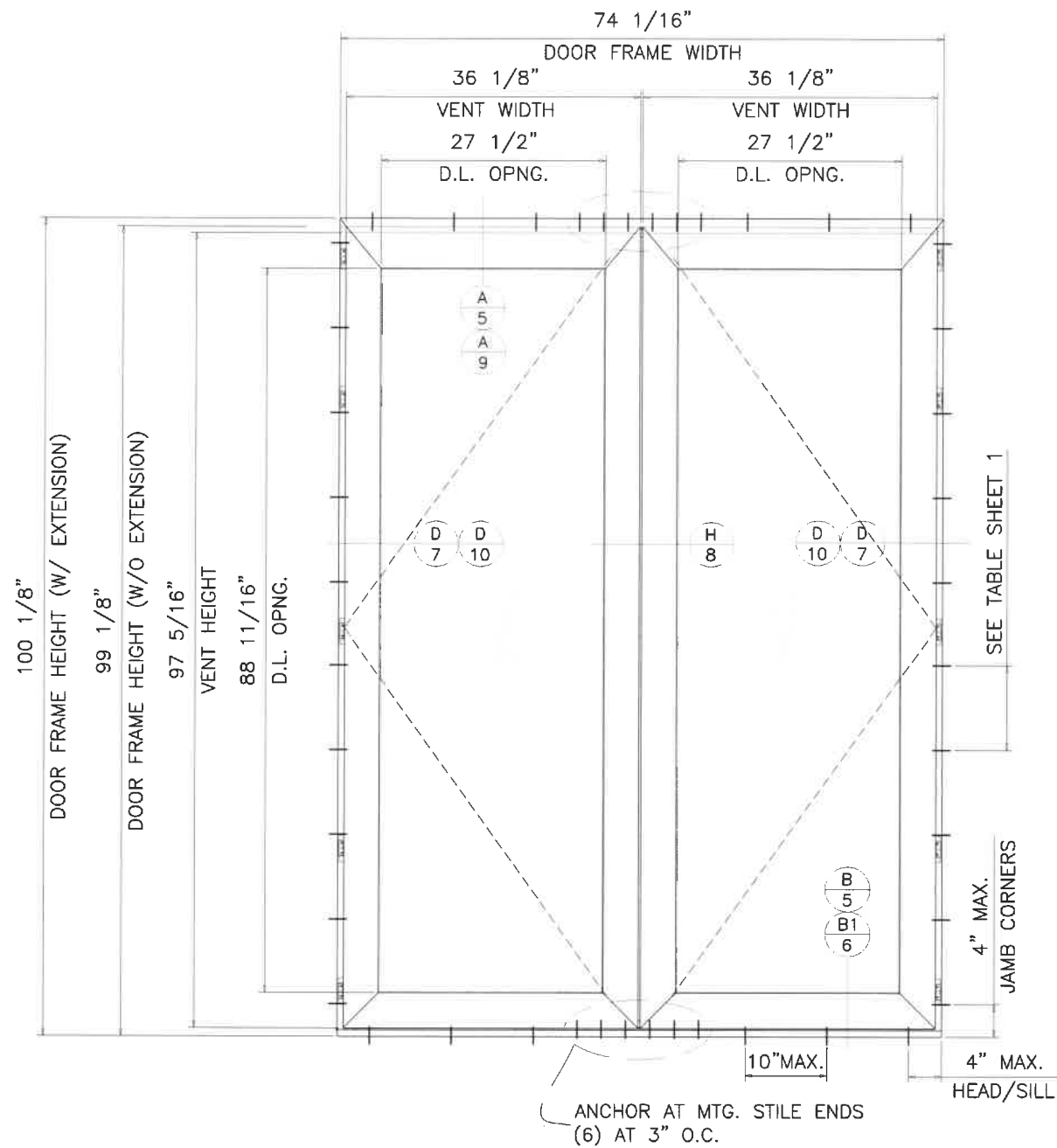
drawing no.
21-29T
sheet 2 of 13

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

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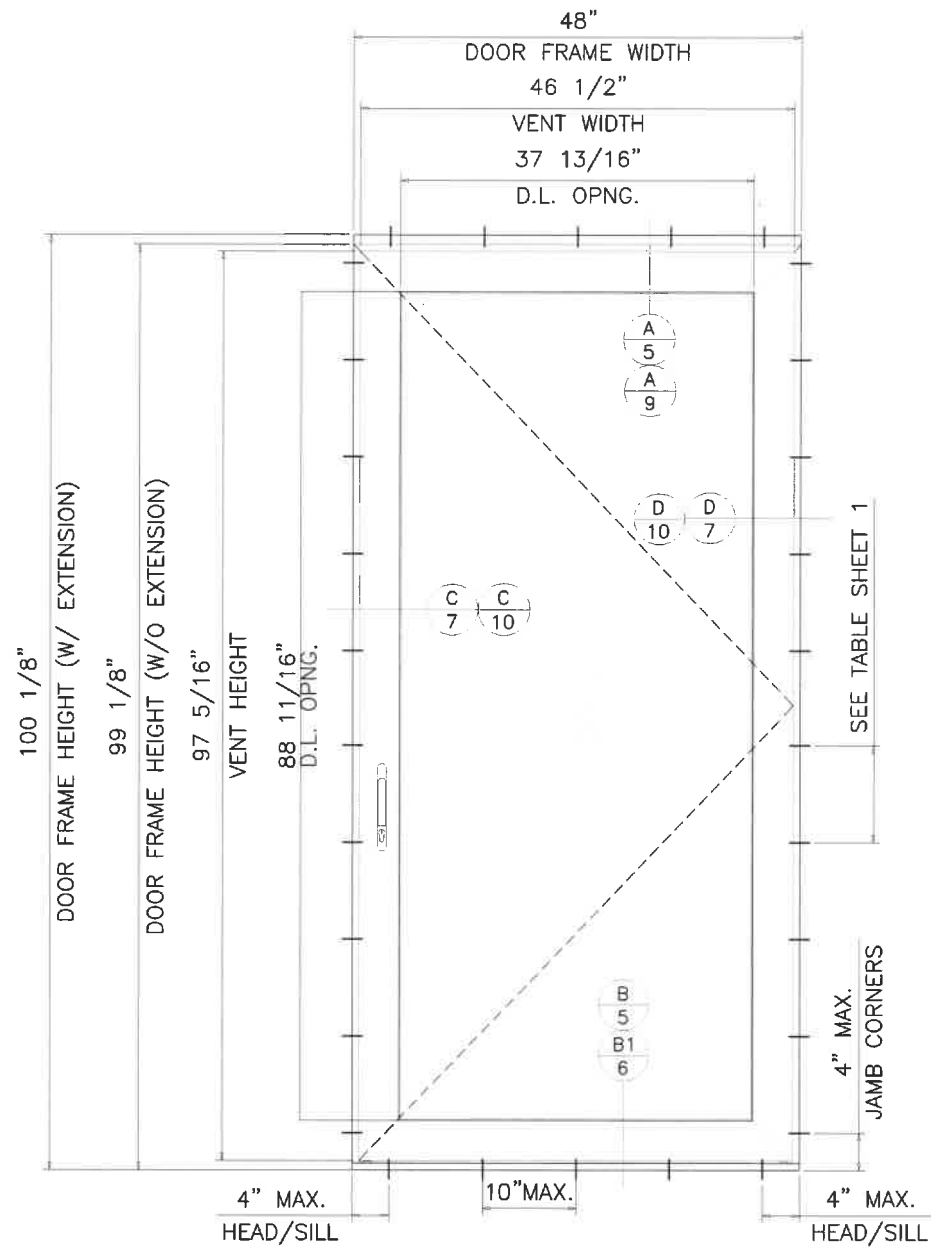
af c
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TYPICAL ELEVATION
TESTED UNIT

DOOR LOAD CAPACITY - PSF DOUBLE DOOR (XX)		
DOOR WIDTH	FRAME HEIGHT (W/ EXTENSION)	EXT.(+) INT.(-)
74 -1/16"	100-1/8"	60.0
	92-5/16"	65.0
	85-11/16"	70.0

NOTE:
INTERPOLATION BETWEEN WIDTHS
ALLOWED.



TYPICAL ELEVATION
TESTED UNIT

DOOR LOAD CAPACITY - PSF SINGLE DOOR (X)		
DOOR WIDTH	FRAME HEIGHT (W/ EXTENSION)	EXT.(+) INT.(-)
48"	100-1/8"	70.0

INSUL. LAM. GLASS
LARGE MISSILE IMPACT

Sealed: 4/14/2021



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revisions:
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date: 03-22-21

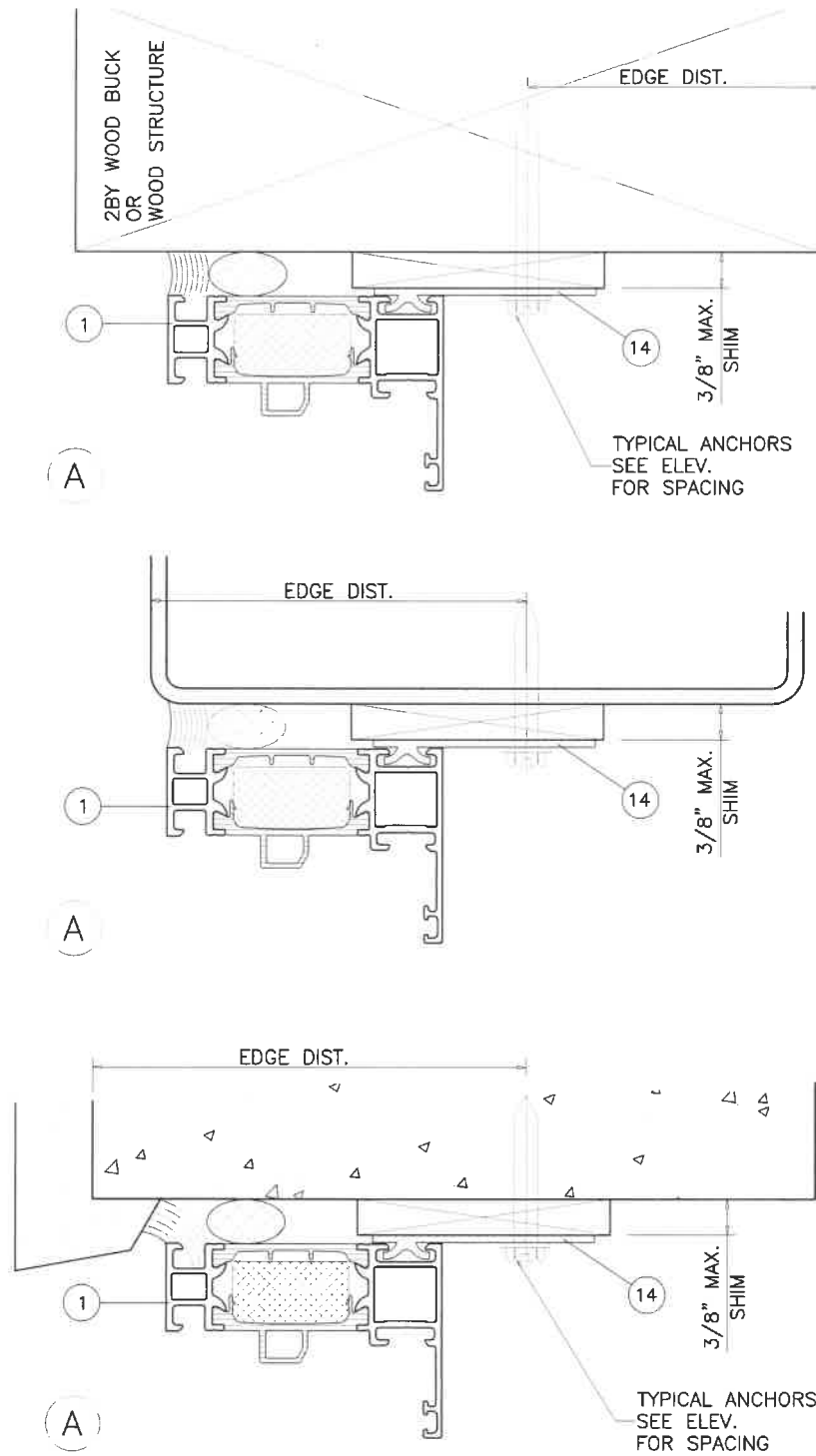
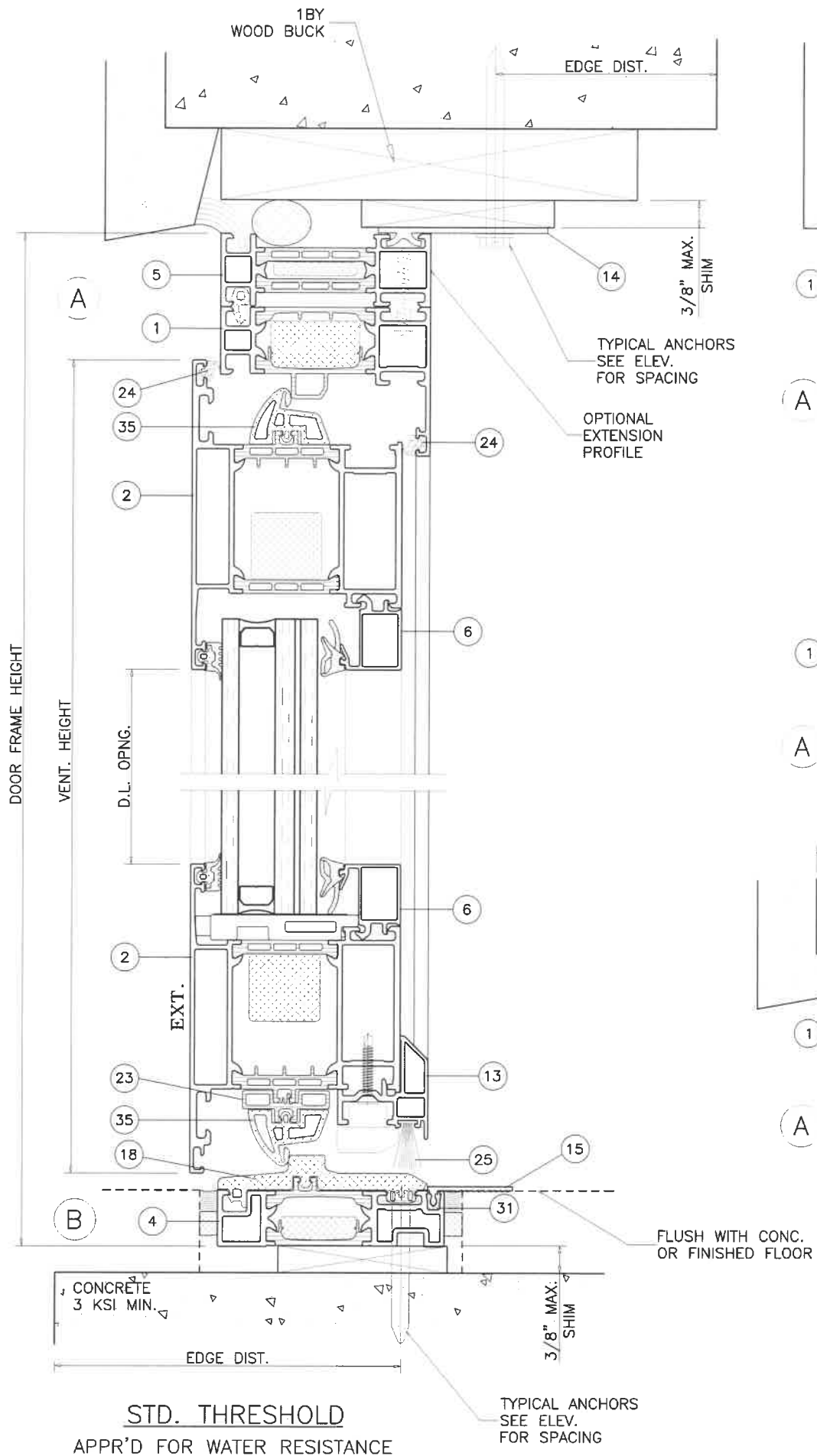
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chk. by:

drawing no.
21-29T

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

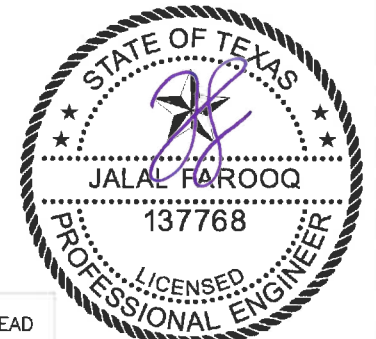
TYPE A - 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)
 THRU 1BY BUCKS INTO CONC. OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)
 DIRECTLY INTO CONCRETE OR 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. (Fy = 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).

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STRAP ANCHOR INSTALLATION AT HEAD

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

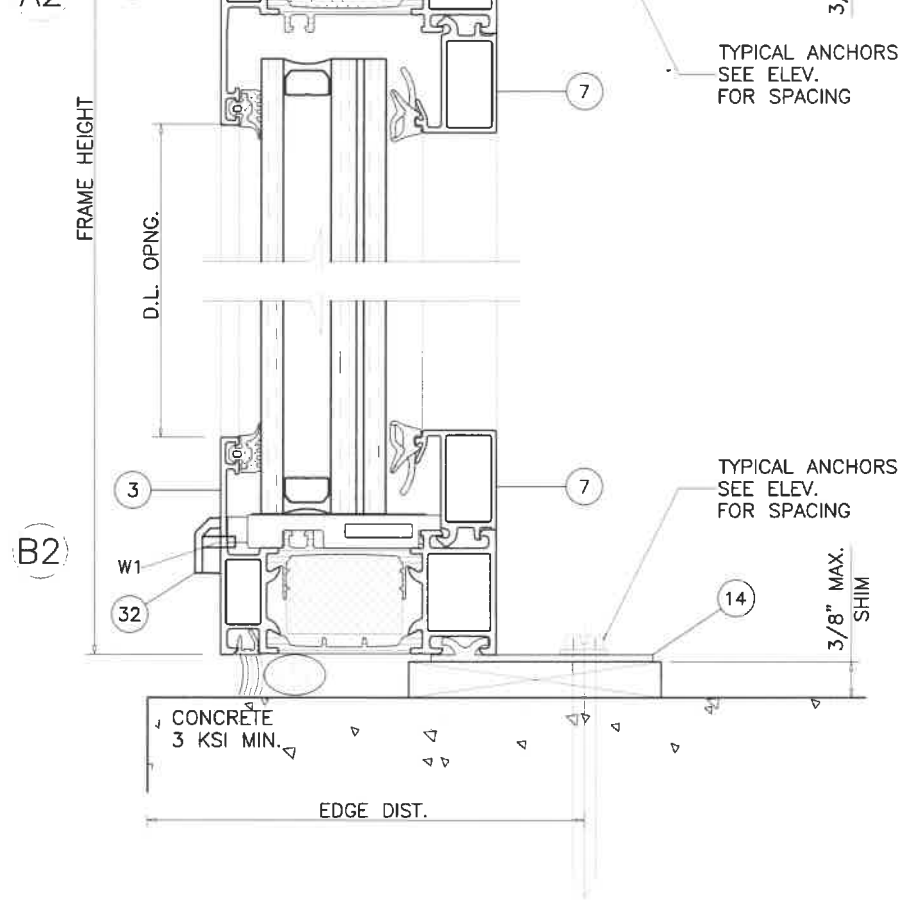
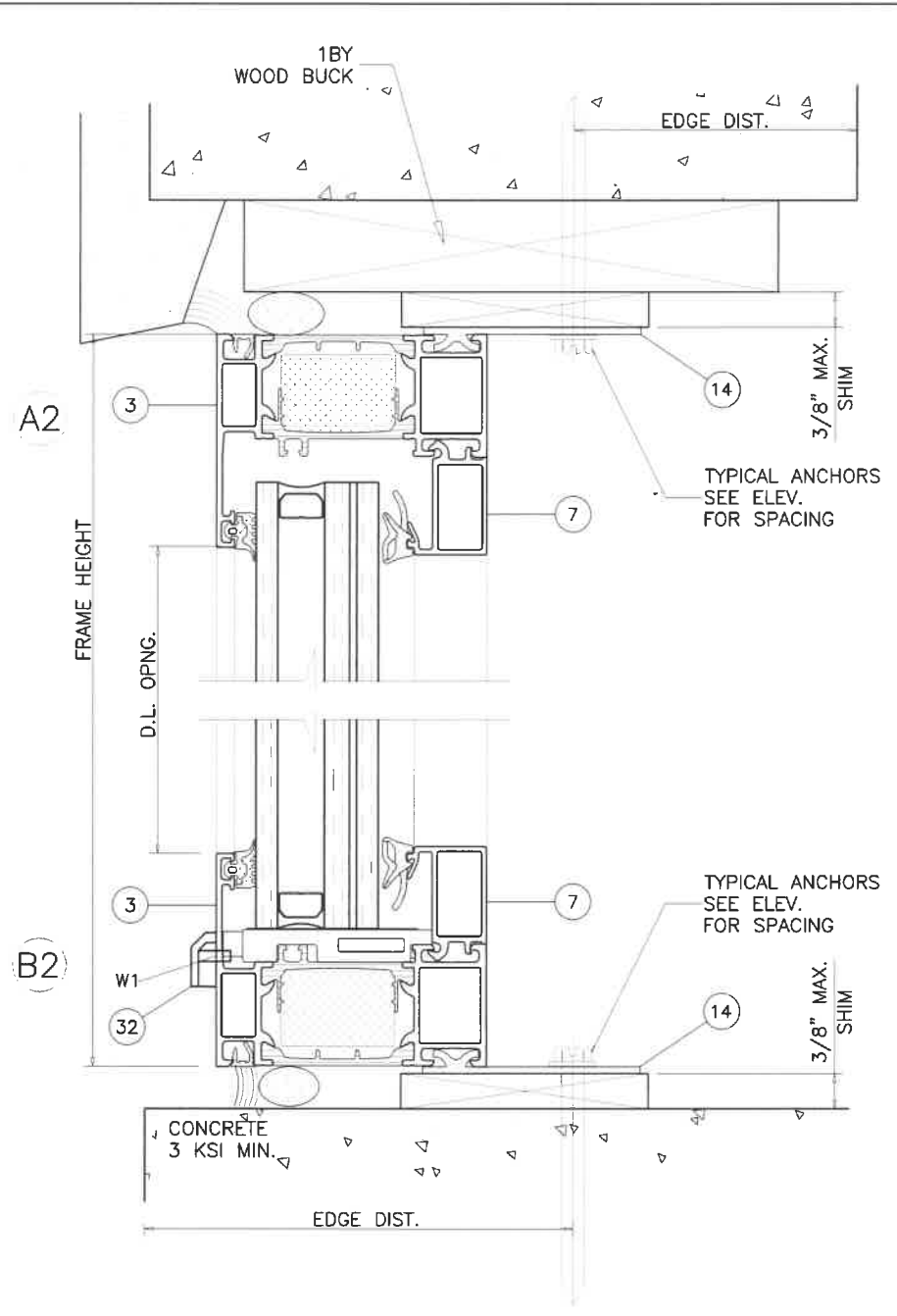
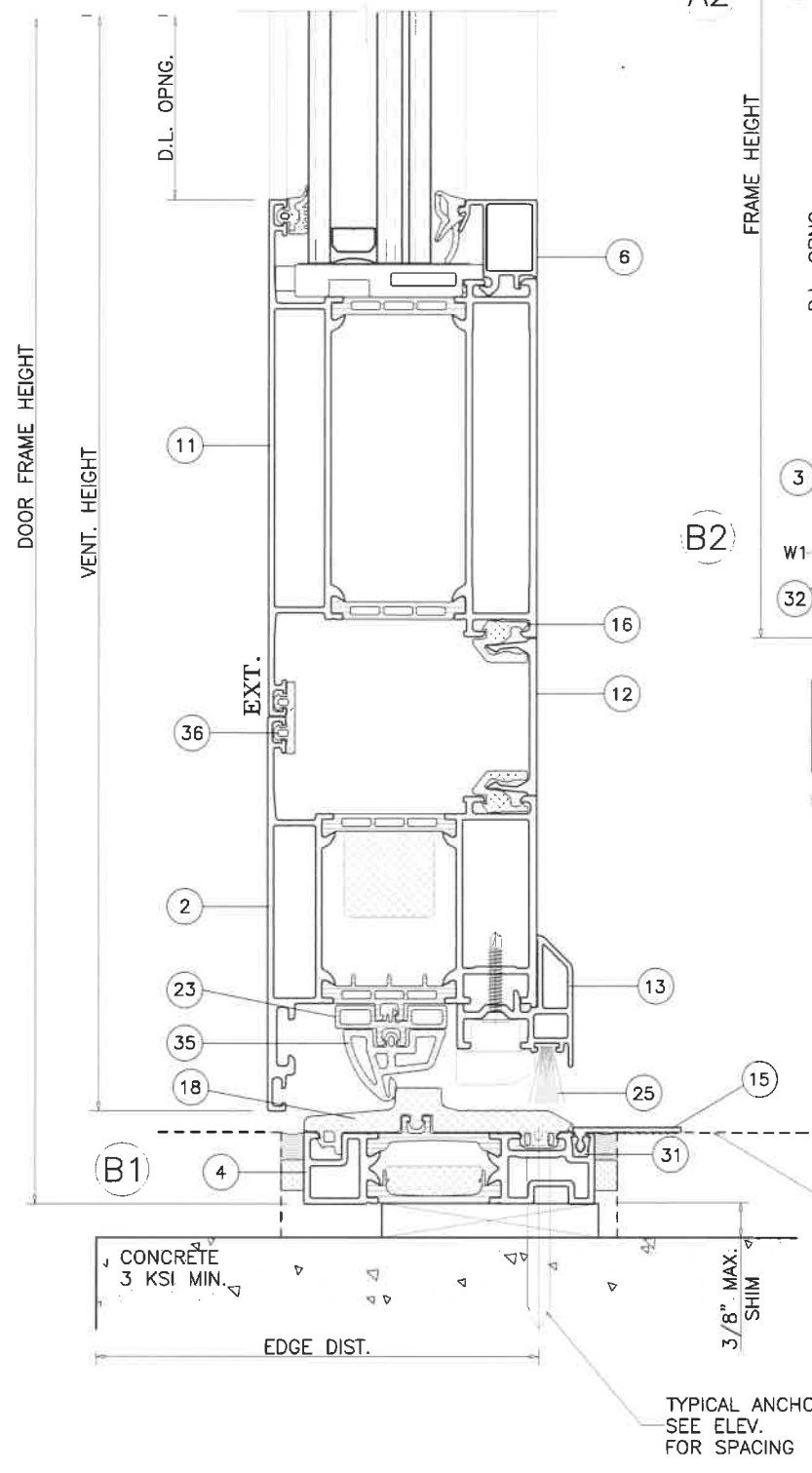
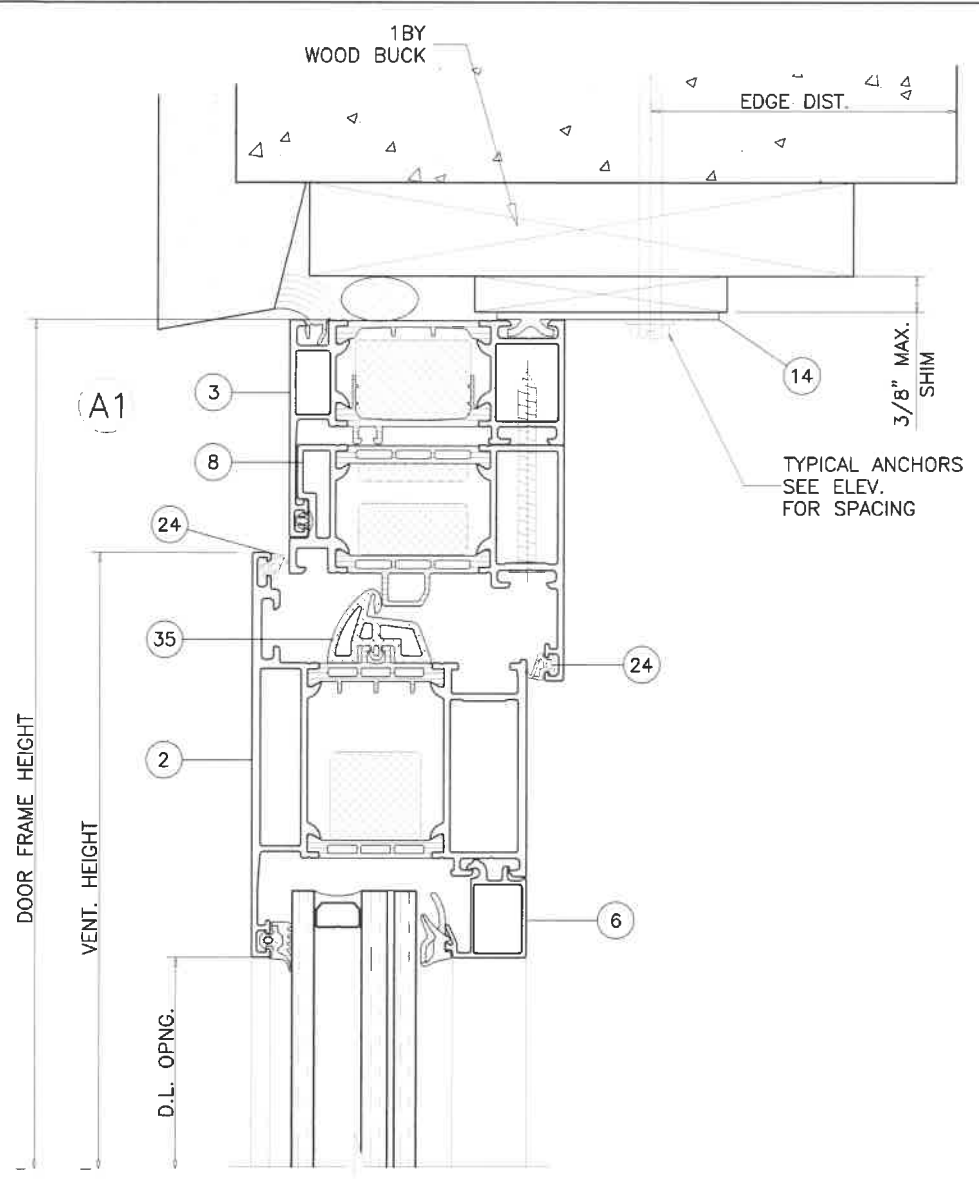
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drawing no.
21-29T

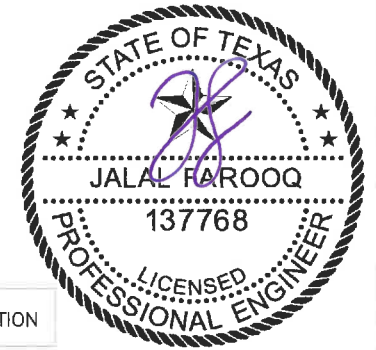
sheet 5 of 13



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

FLUSH WITH CONC.
 OR FINISHED FLOOR

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STRAP ANCHOR INSTALLATION

af c

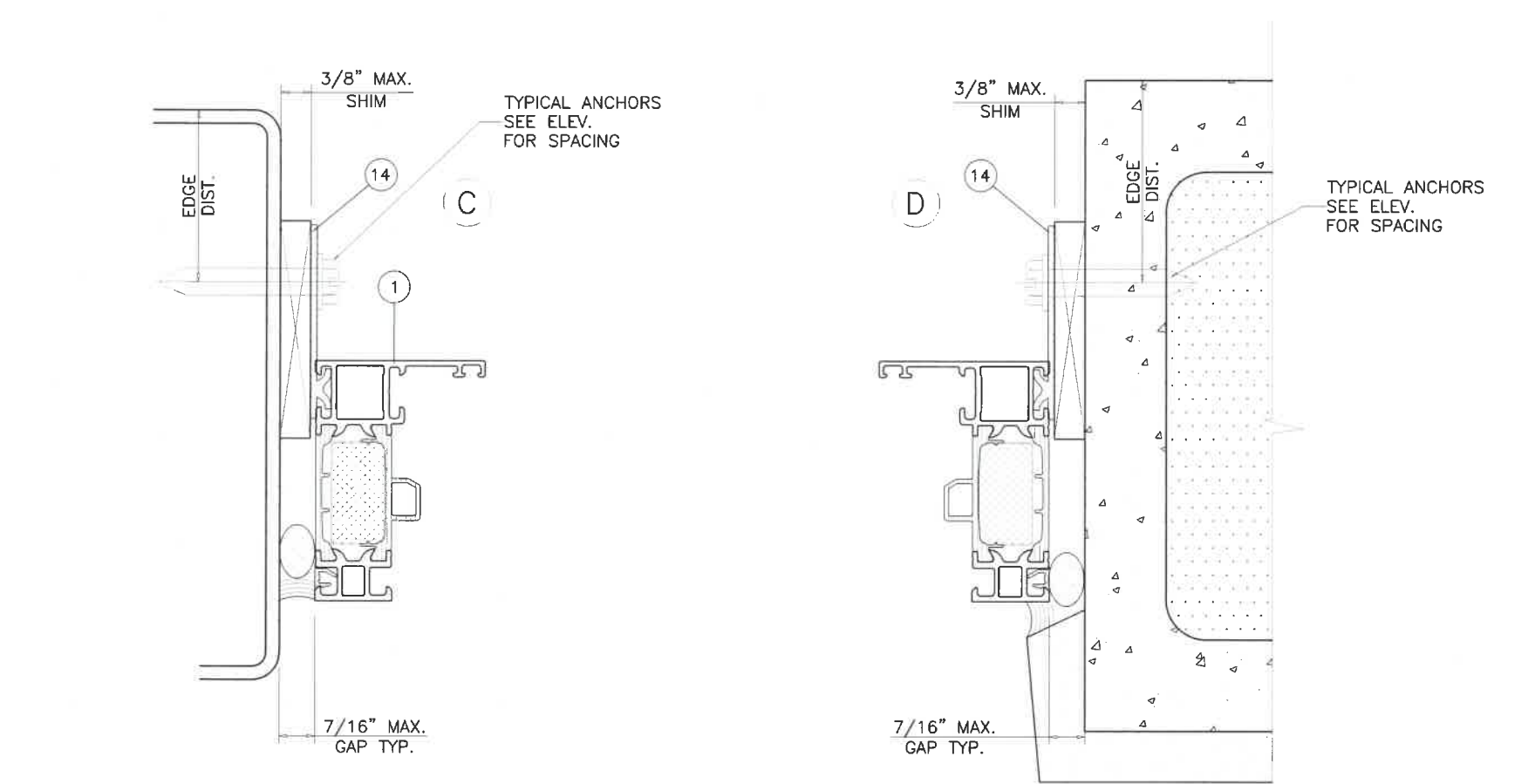
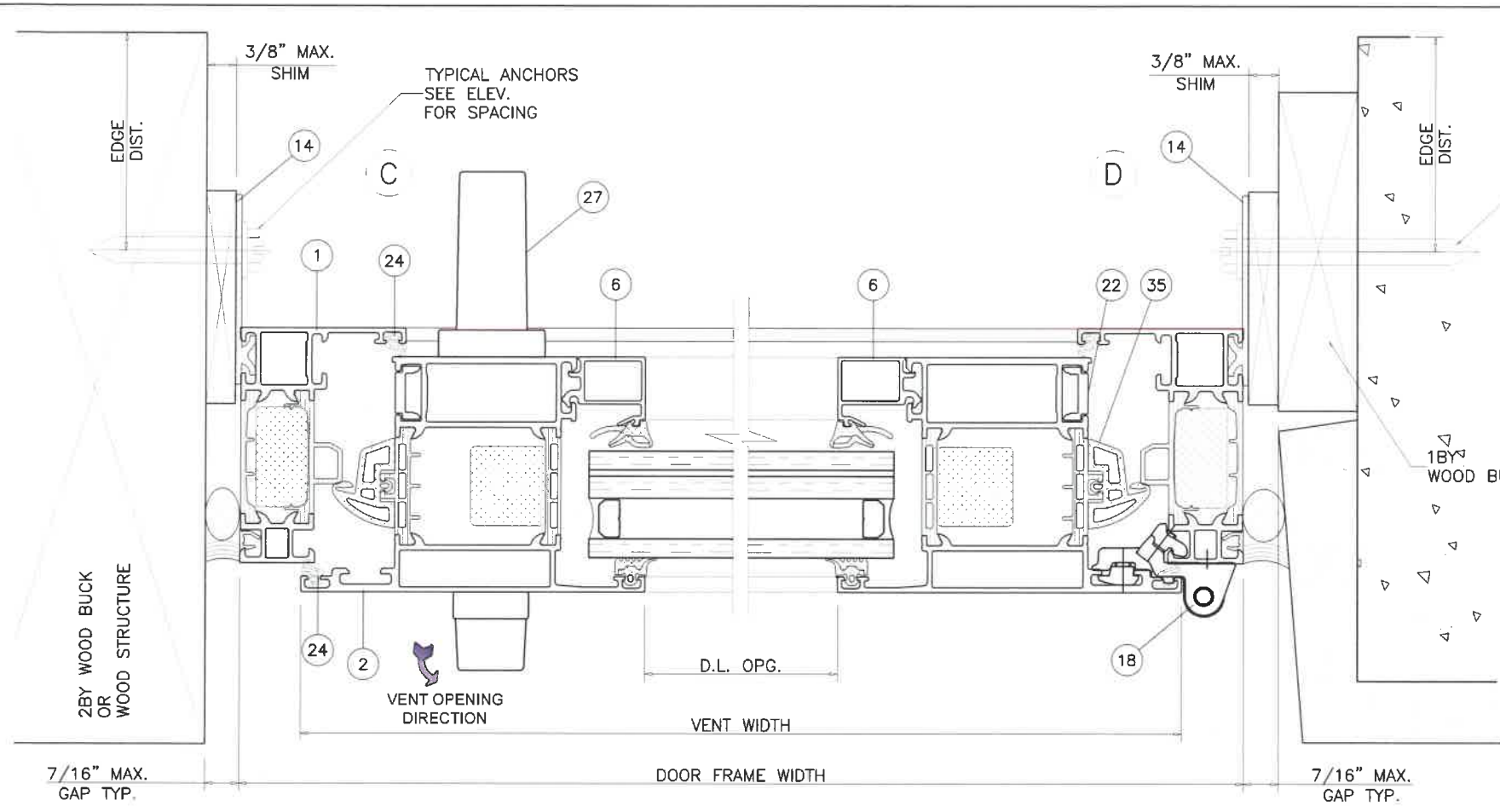
AL-FAROOQ CORPORATION
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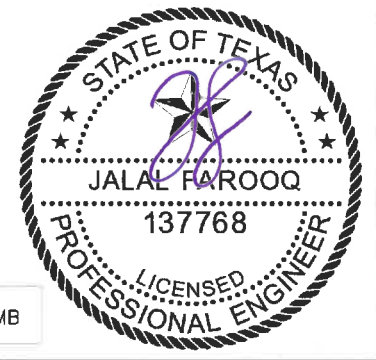
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chk. by:	

drawing no. **21-29T**
 sheet 6 of 13



STRAP ANCHOR INSTALLATION AT JAMB

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af c

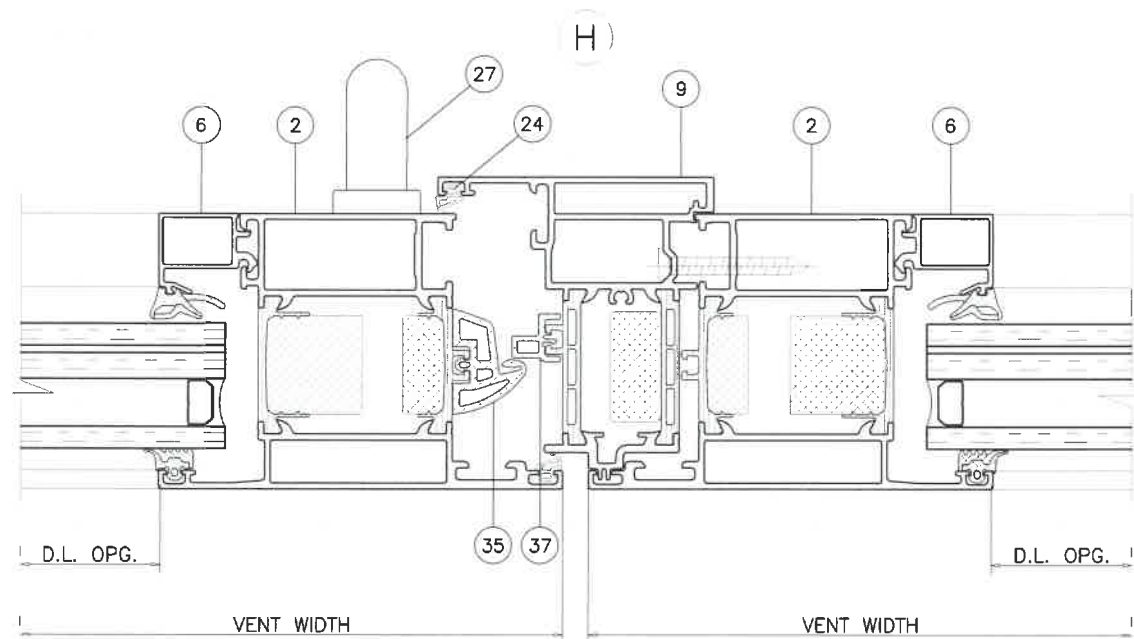
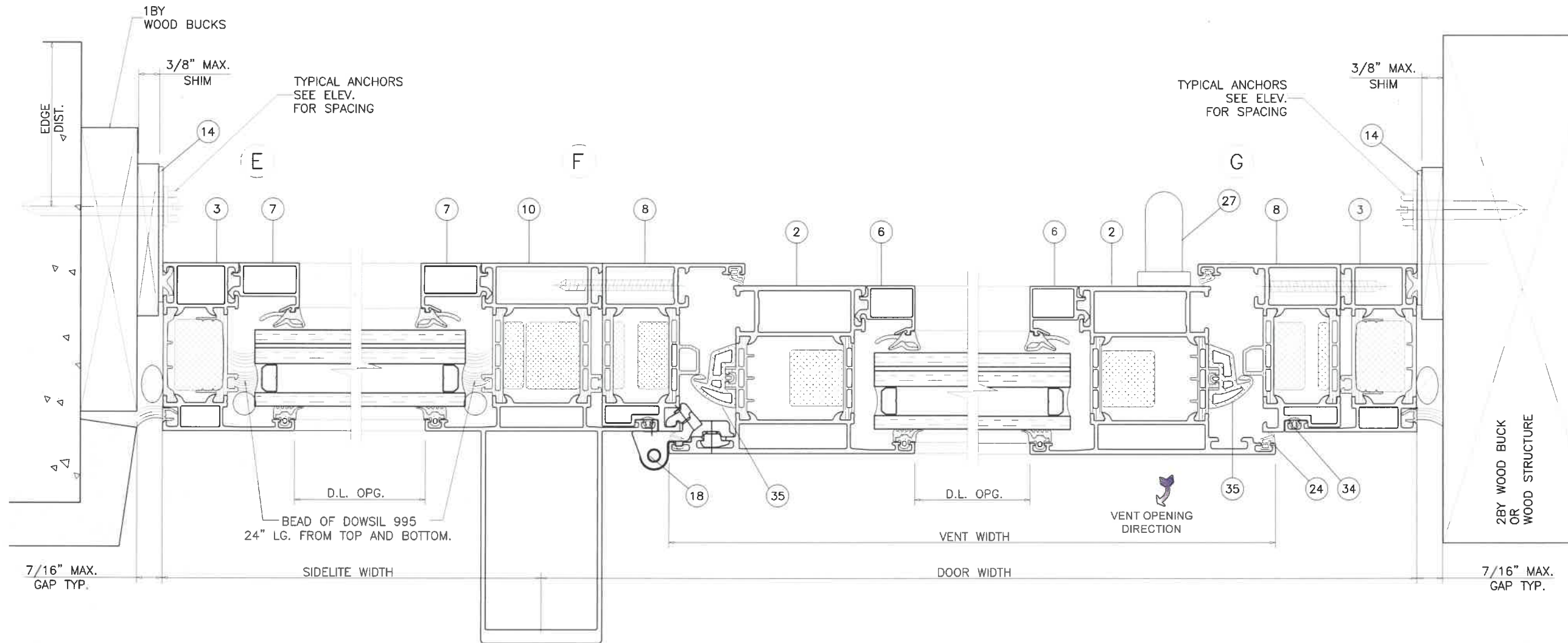
AL-FAROOQ CORPORATION
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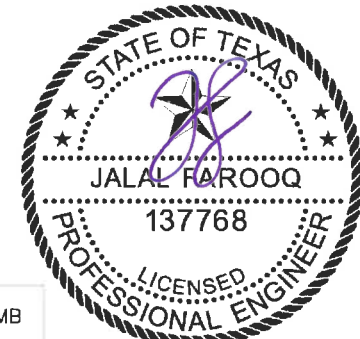
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dr. by:	MLS			
chk. by:				

drawing no. **21-29T**
 sheet 7 of 13



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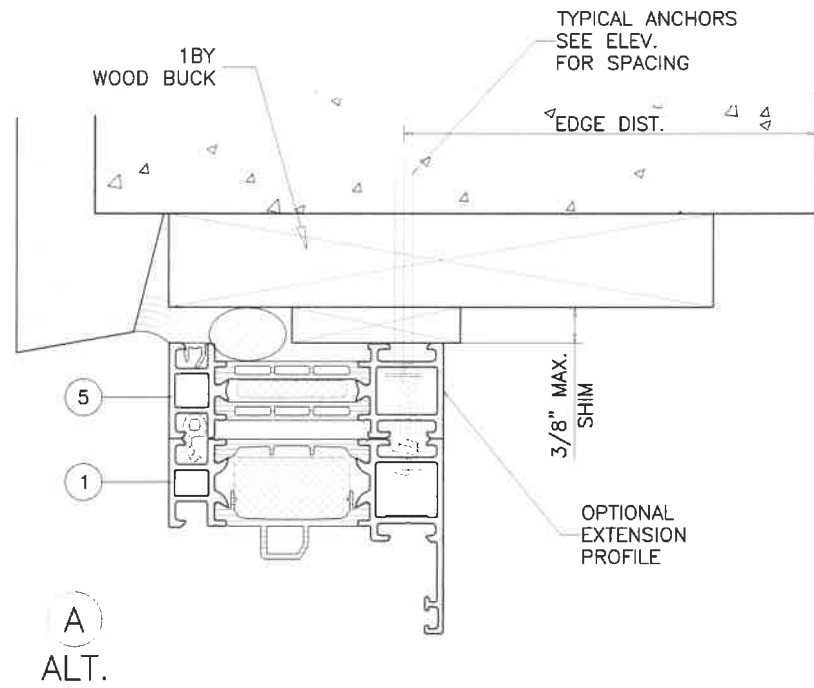
STRAP ANCHOR INSTALLATION AT JAMB

af c
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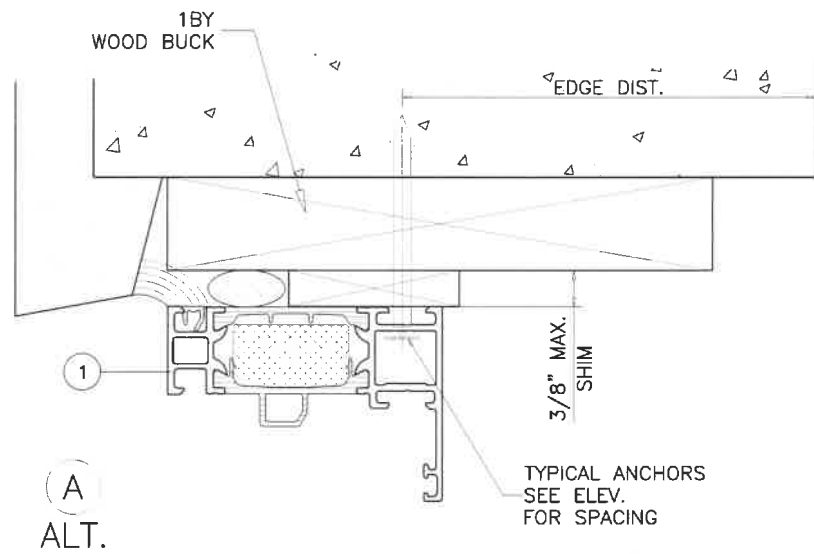
SERIES AWS 70.H/75.SI+ OUTSWING TERRACE DOOR (L.M.I.)
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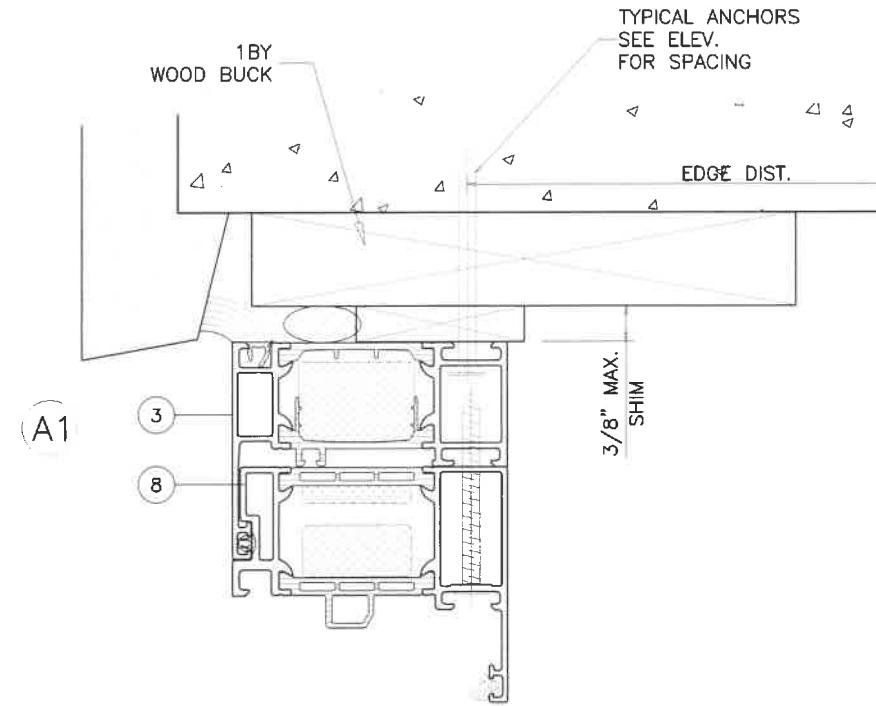
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 drawing no. 21-29T
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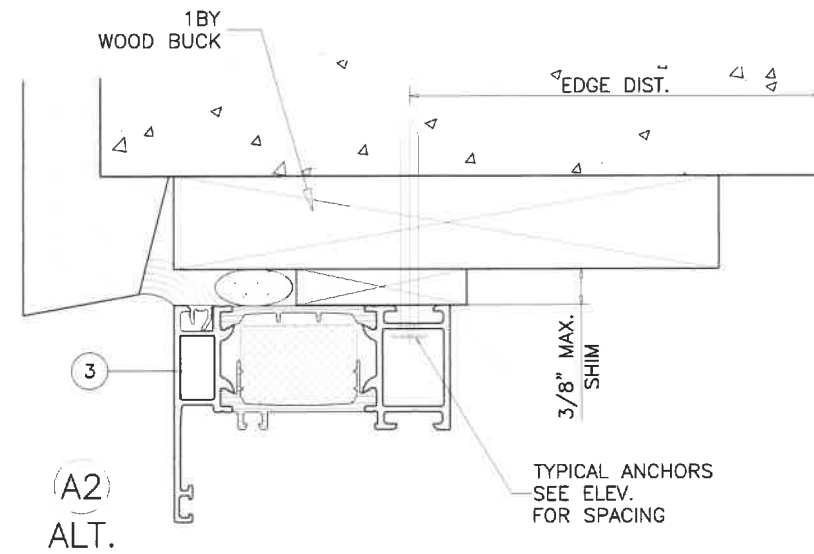
A ALT.



A ALT.



A1

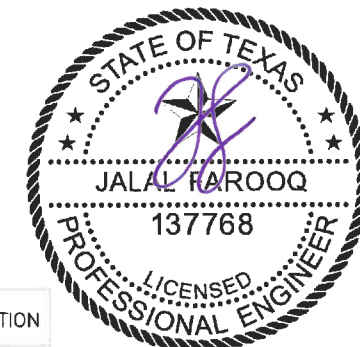


A2 ALT.

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

THROUGH FRAME ANCHOR INSTALLATION

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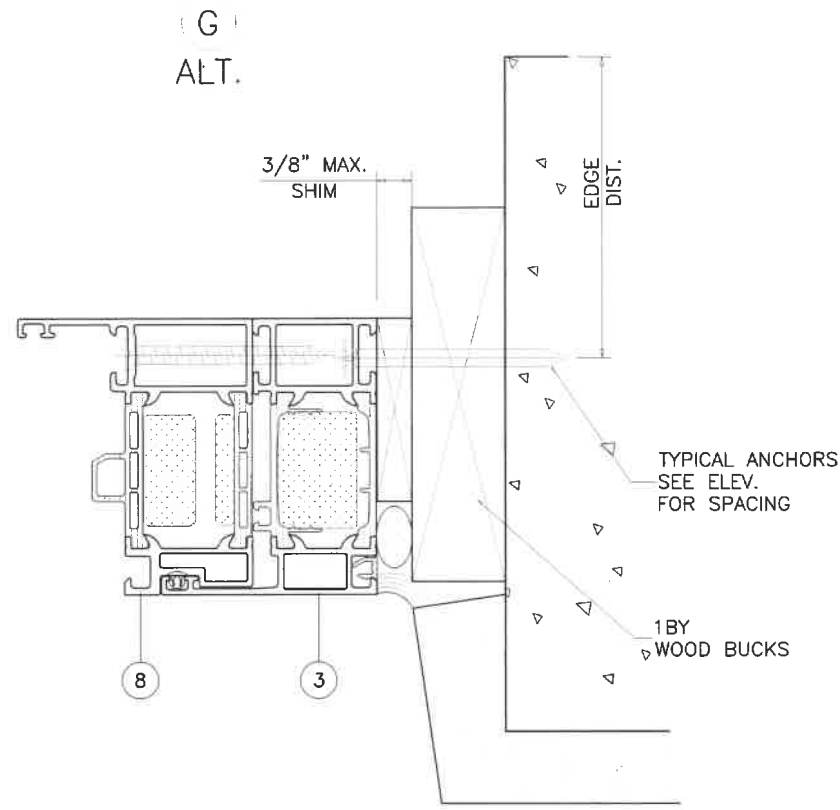
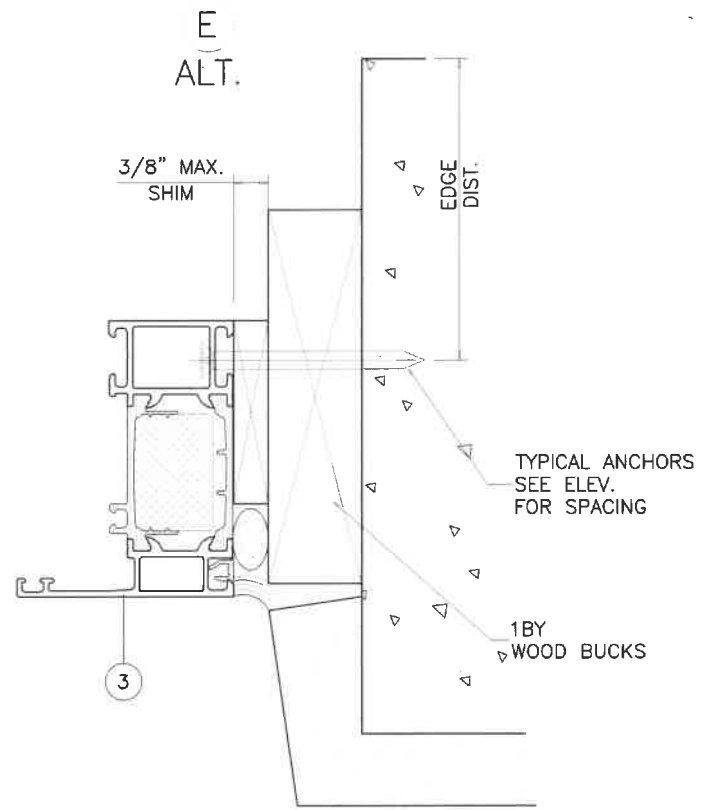
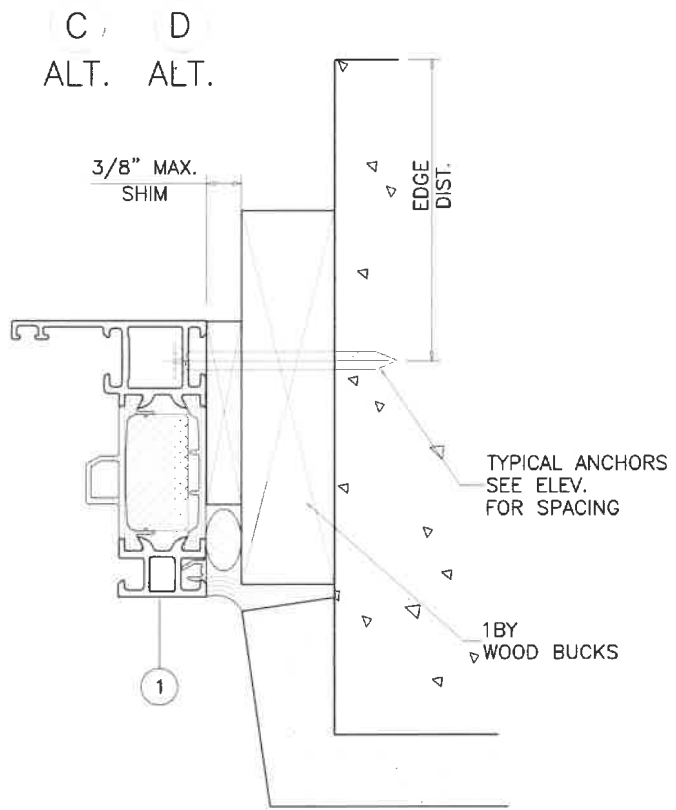
SERIES AWS 70.HI/75.SI+ OUTSWING TERRACE DOOR (L.M.I.)
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21-29T

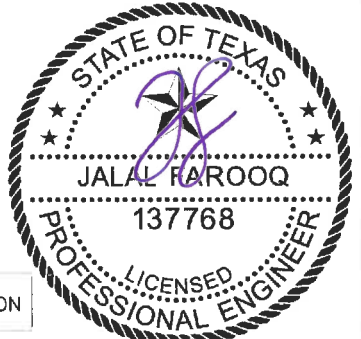
sheet 9 of 13



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

THROUGH FRAME ANCHOR INSTALLATION

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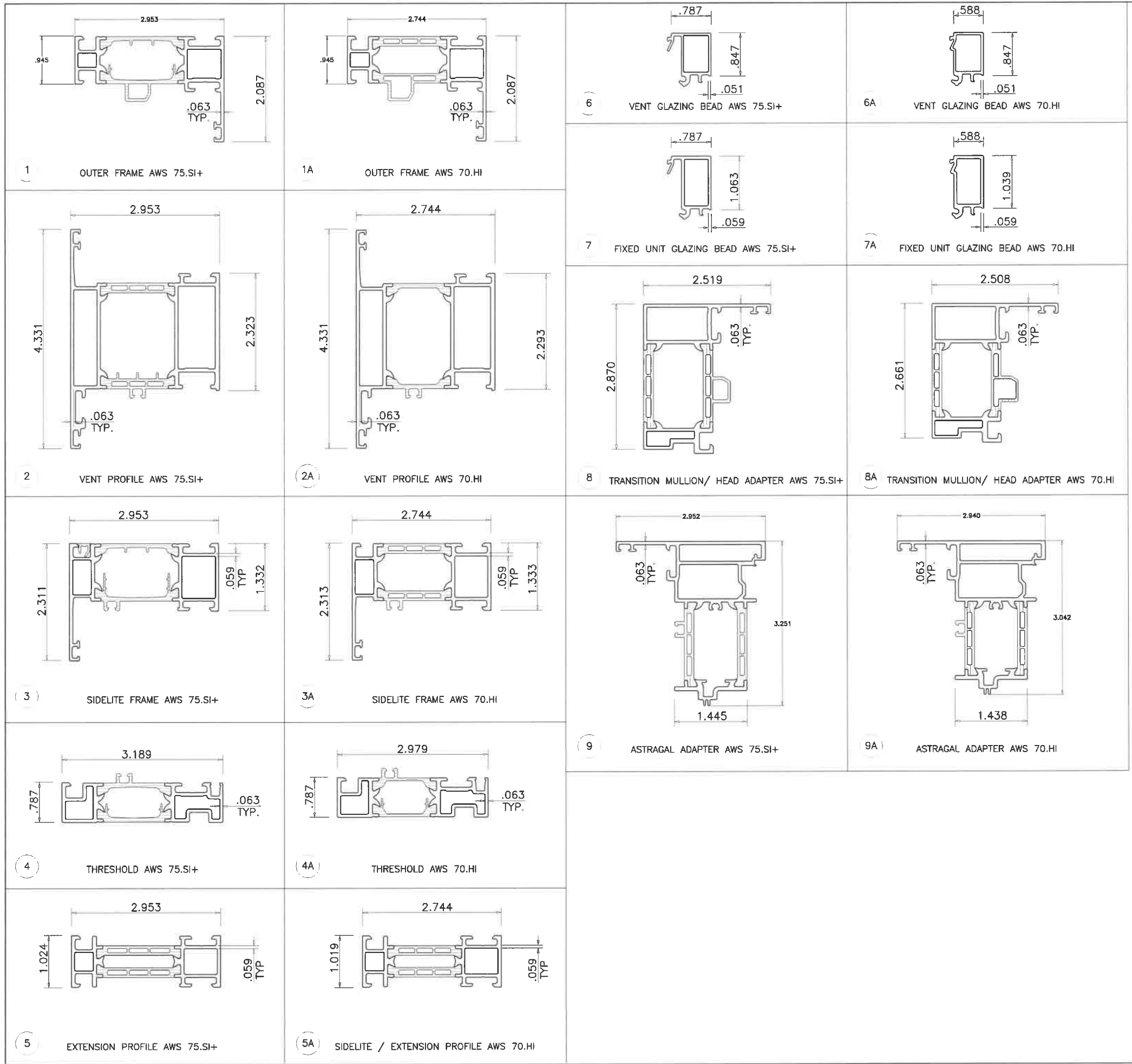
SERIES AWS 70.HI/75.SI+ OUTSWING TERRACE DOOR (L.M.I.)
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no	date by description

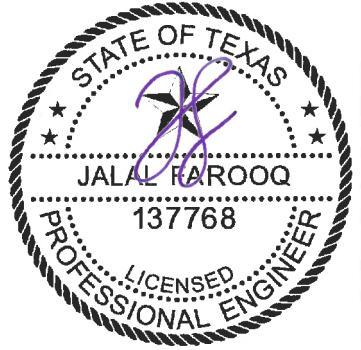
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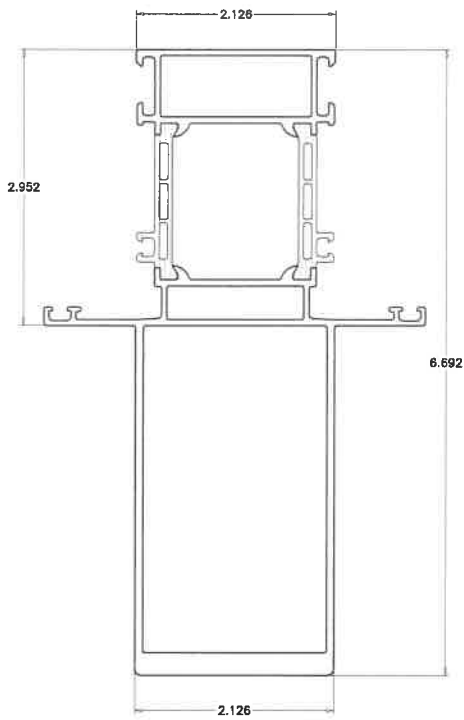
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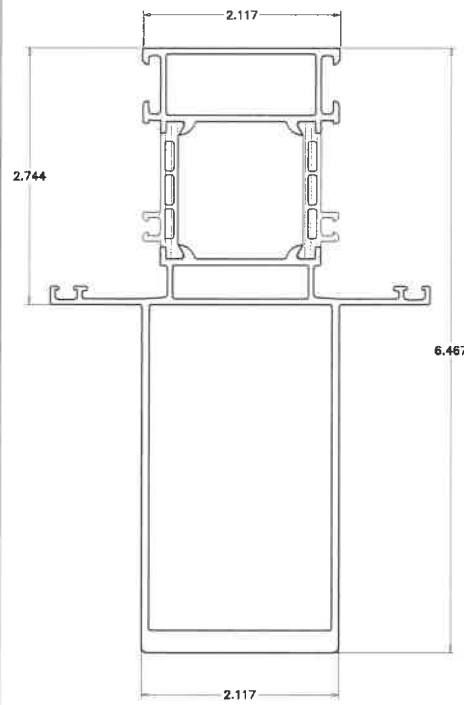
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21-29T

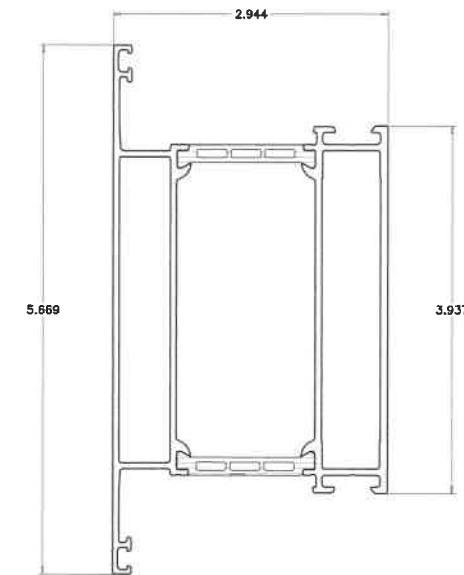
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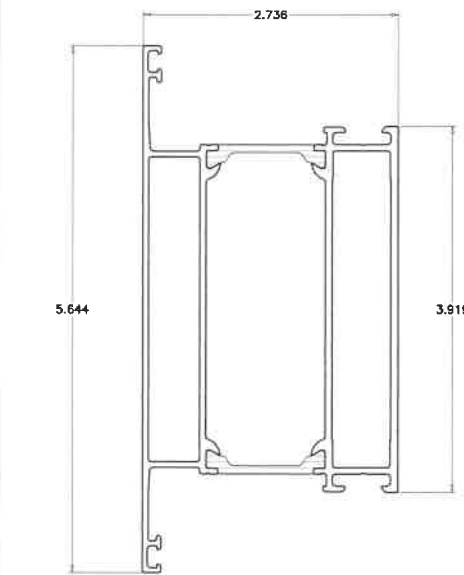
10 TRANSITION MULLION AWS 75.SI+



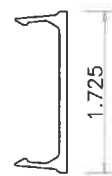
10A TRANSITION MULLION AWS 70.HI



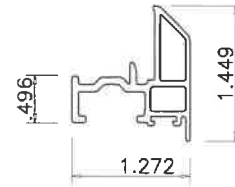
11 HI-BOTTOM ADAPTER AWS 75.SI+



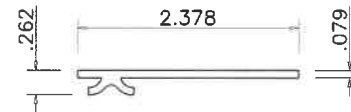
11A HI-BOTTOM ADAPTER AWS 70.HI



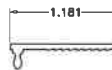
12 10" BOTTOM RAIL COVER



13 DOOR SILL ADAPTER

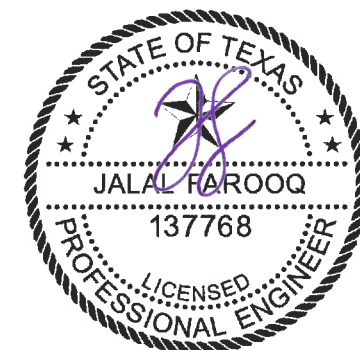


14 STRAP ANCHOR



15 WALL ATTACHMENT

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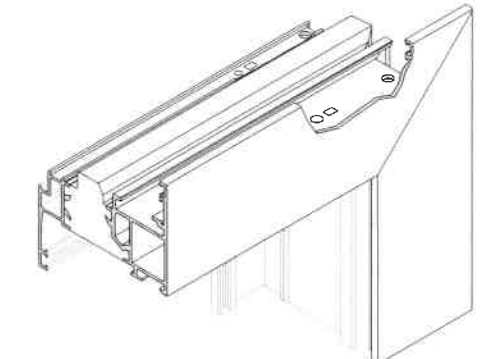
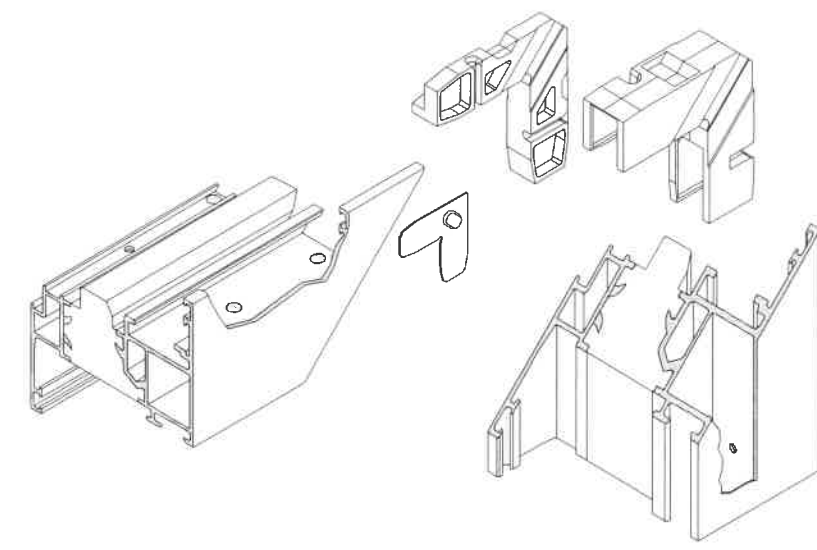


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no	date by description
03-22-21	
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sheet	12 of 13

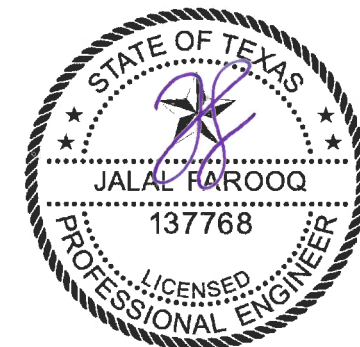
ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL
1	480830	4	AWS 75.SI+ OUTER FRAME	6063-T6
1A	197360	4	AWS 70.HI OUTER FRAME	6063-T6
2	480790	4	AWS 75.SI+ VENT PROFILE	6063-T6
2A	486380	4	AWS 70.HI VENT PROFILE	6063-T6
3	382130	4	AWS 75.SI+ SIDELITE FRAME	6063-T6
3A	358150	4	AWS 70.HI SIDELITE FRAME	6063-T6
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	AS REQD.	AWS 75.SI+ GLAZING SUPPORT	POLYAMIDE 80±5 SHORE A
21A	288166	AS REQD.	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: 4/14/2021



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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date: 03-22-21	revisions:	no	date	by	description
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