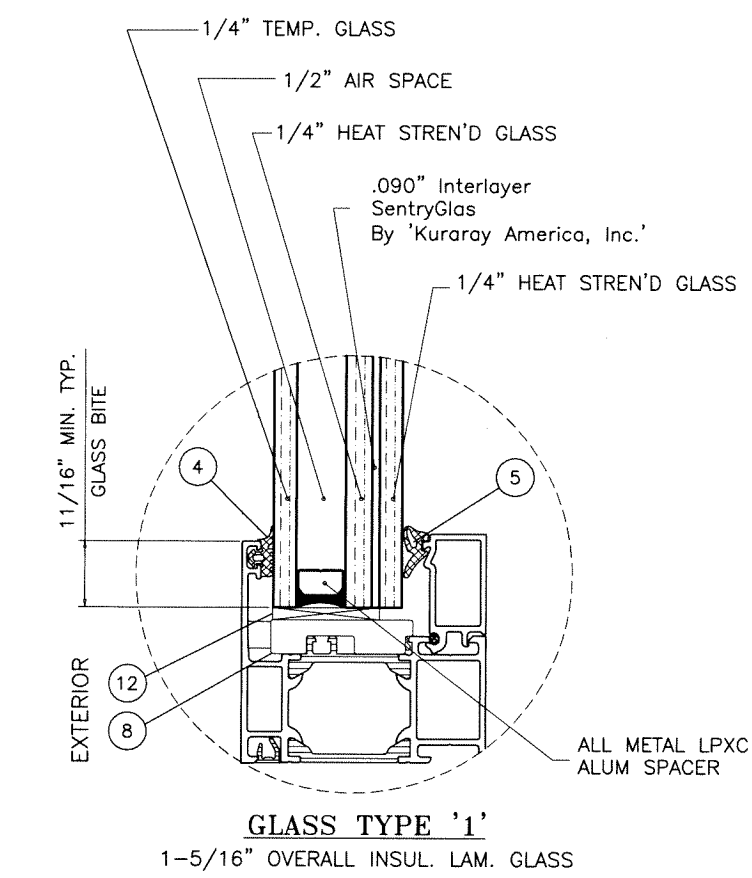


*** PRODUCTS DEPICTED ARE THE PROPERTY OF SCHUCO USA L.L.L.P
USE OF THIS PRODUCT APPROVAL REQUIRES WRITTEN AUTHORIZATION BY SCHUCO USA L.L.L.P.
TO THE BUILDING DEPARTMENT WHEN APPLYING FOR A PERMIT. ***



FIXED WINDOW IS RATED FOR LARGE & SMALL MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.

SERIES AWS 65/70.HI/75.SI+/90.SI+ FIXED WINDOW SYSTEM

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.

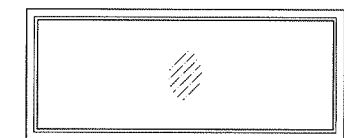
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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.

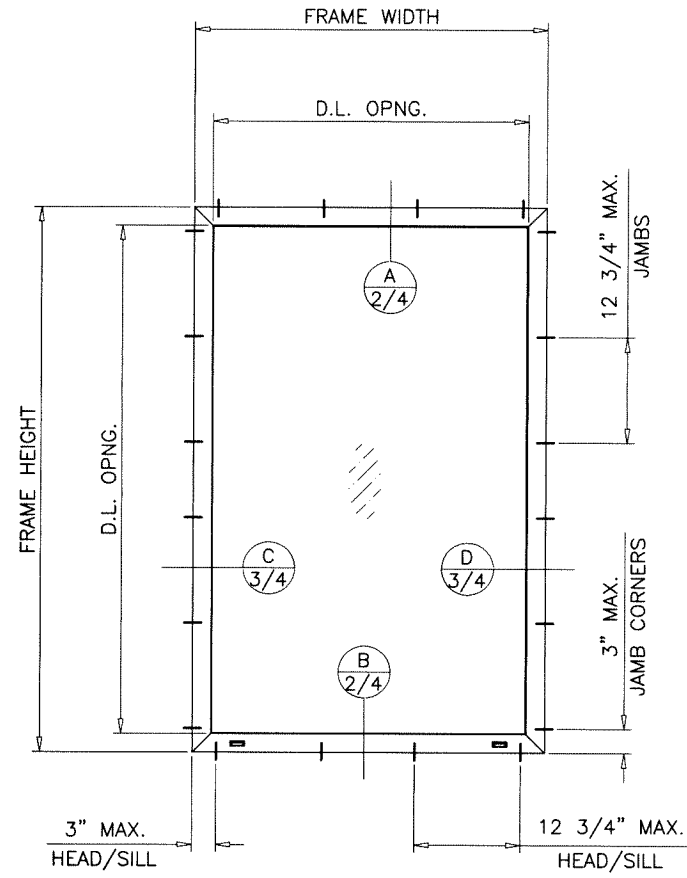
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.

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.



NOTE:
WIDTH AND HEIGHT DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.



TYPICAL ELEVATION
TESTED UNIT

NOTE:
FOR ADDITIONAL APPROVED SIZES AND GLAZING DETAILS FOR THIS PRODUCT AS A STANDALONE FIXED WINDOW SEE FL# 26357.

DESIGN LOAD CAPACITY - PSF		
WINDOW DIMS.		GLASS TYPE '1'
HEIGHT	WIDTH	EXT.(+) INT.(-)
30"	30"	70.0
	36"	70.0
	42"	70.0
	48"	70.0
	54"	70.0
	60"	70.0
	66"	70.0
	72"	70.0
	78"	70.0
	84"	70.0
36"	90"	70.0
	96"	70.0
	36"	70.0
	42"	70.0
	48"	70.0
	54"	70.0
	60"	70.0
	66"	70.0
48"	72"	70.0
	78"	70.0
	42"	70.0
	44 3/16"	70.0
60"	54"	64.5
	60"	64.5
	42"	70.0
68 3/16"	44 3/16"	70.0
	42"	70.0

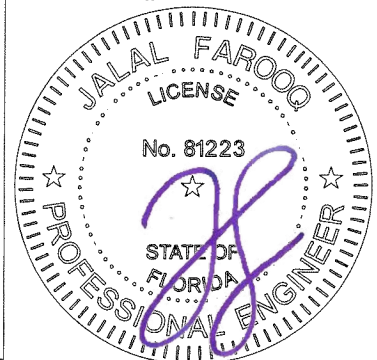
DAYLITE OPENINGS:
AWS 65, 70.HI & 75.SI+:
FRAME WIDTH/ HEIGHT - 4.646"
AWS 90.SI+:
FRAME WIDTH/ HEIGHT - 5.040"

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS).

Sealed: 7/26/2023

INSUL. LAM. GLASS
LARGE MISSILE IMPACT

FL # 26977



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.

af c

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978

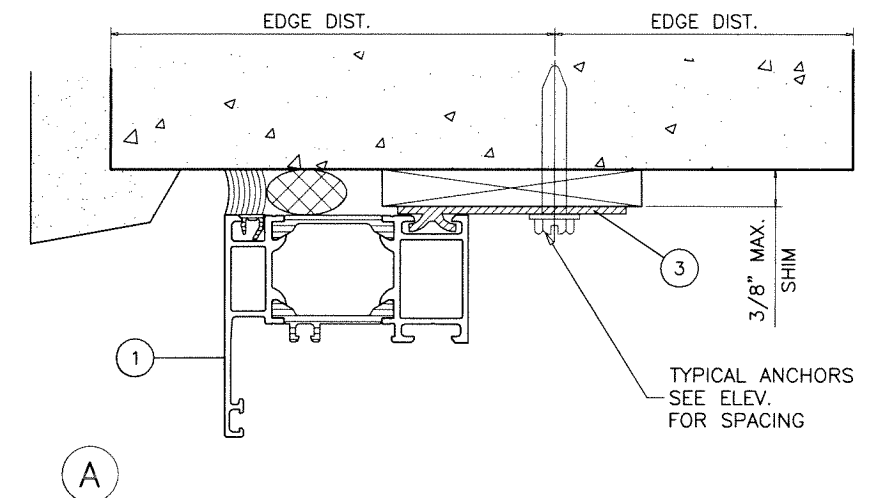
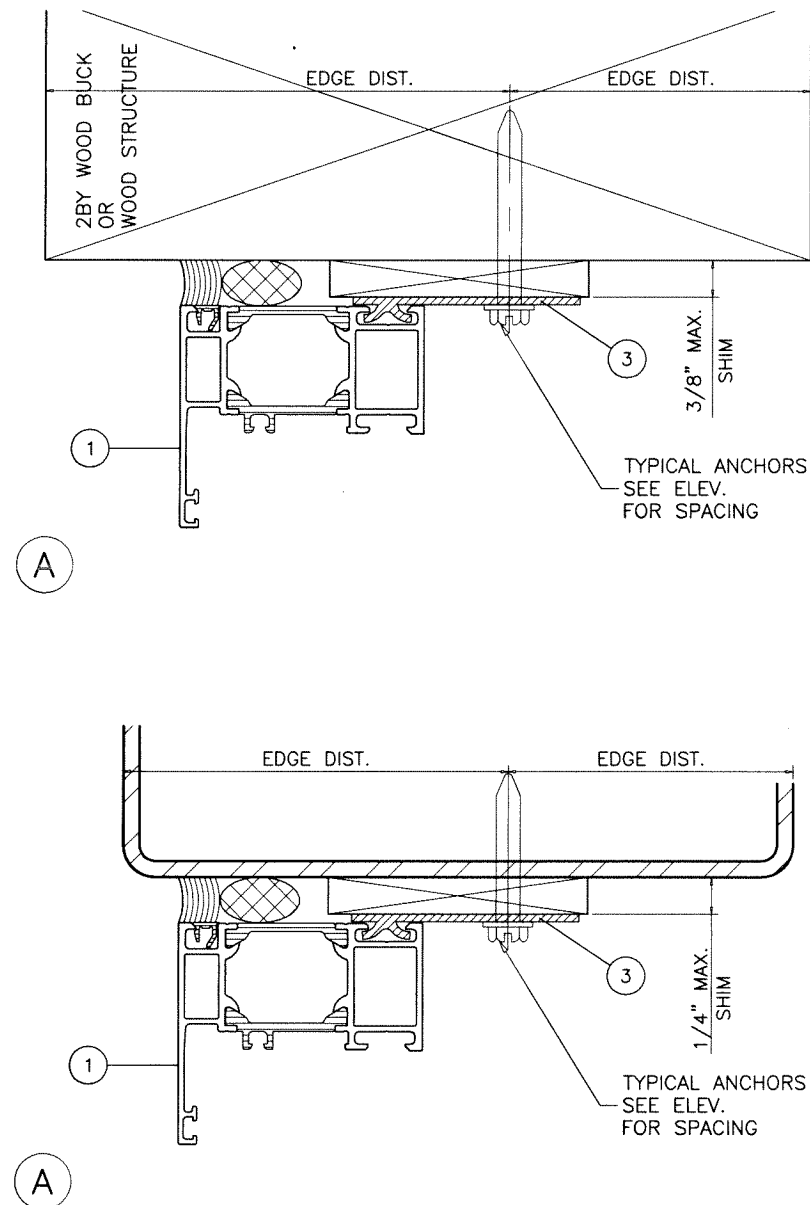
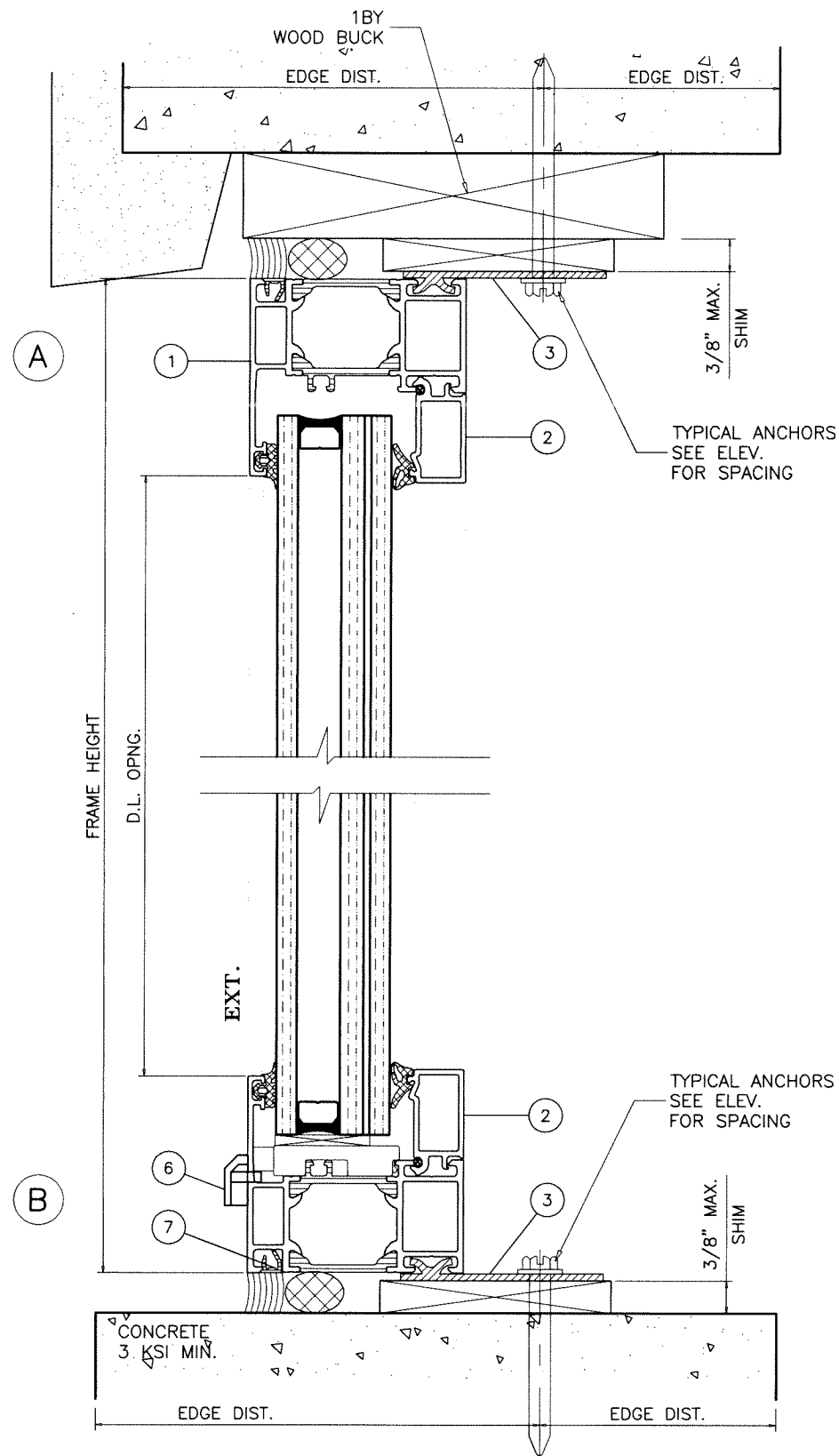
SERIES AWS 65/70/75/90 FIXED WINDOW SYSTEM (L.M.I.)

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	12.16.20	ML	UPDATED TO 2020 FBC
	B	07.06.23		UPDATED TO 2023 FBC

date:	03-28-18
scale:	1 : 16
dr. by:	MLS
chk. by:	

drawing no.	W18-41
sheet	1 of 5



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

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

DIRECTLY INTO CONCRETE OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE
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
(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

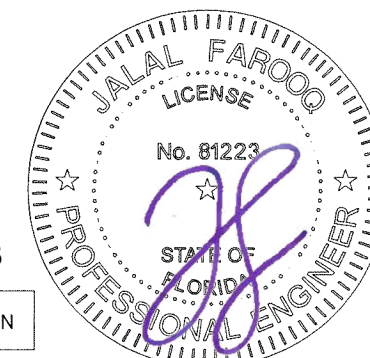
INTO CONCRETE = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.
INTO BLOCK = 2-1/2" MIN.

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.

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

Sealed: 7/26/2023

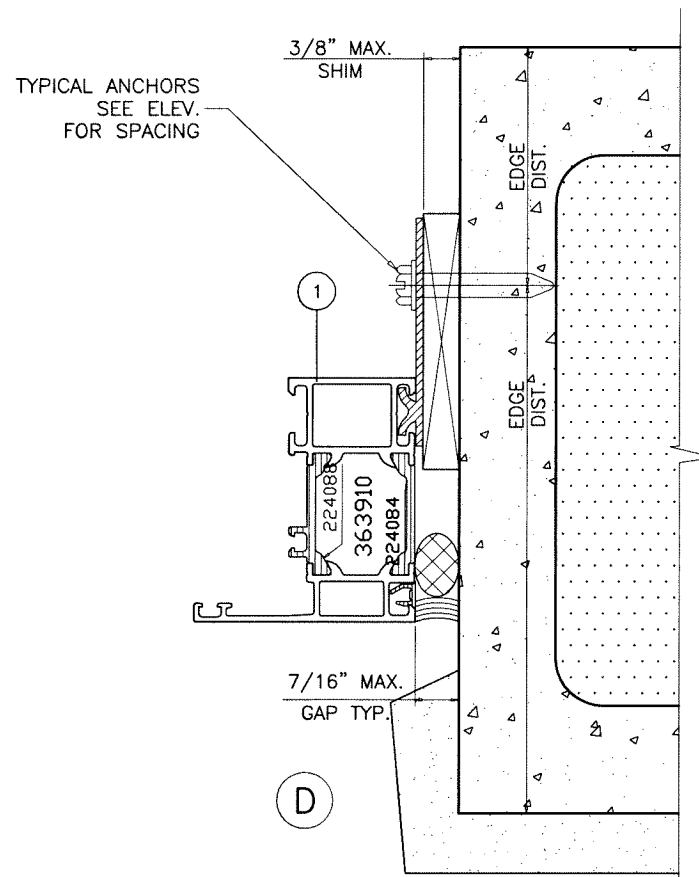
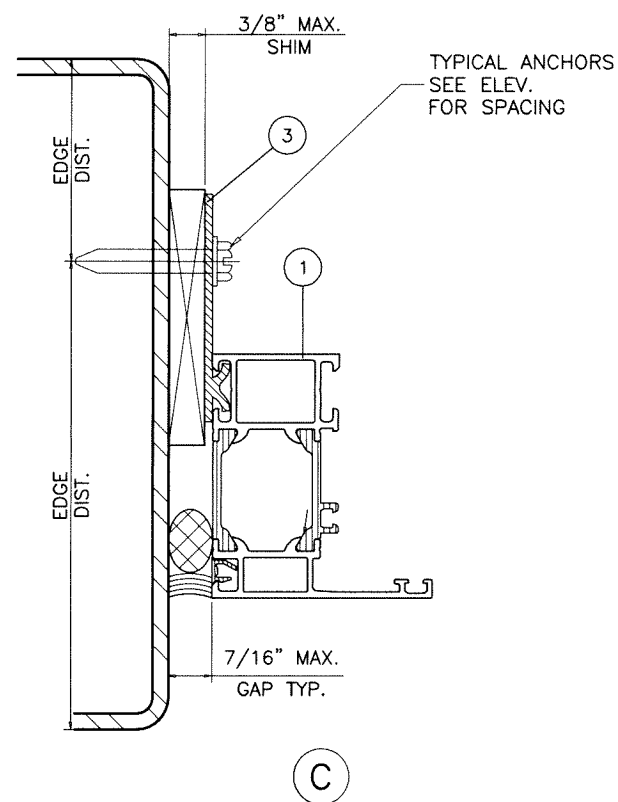
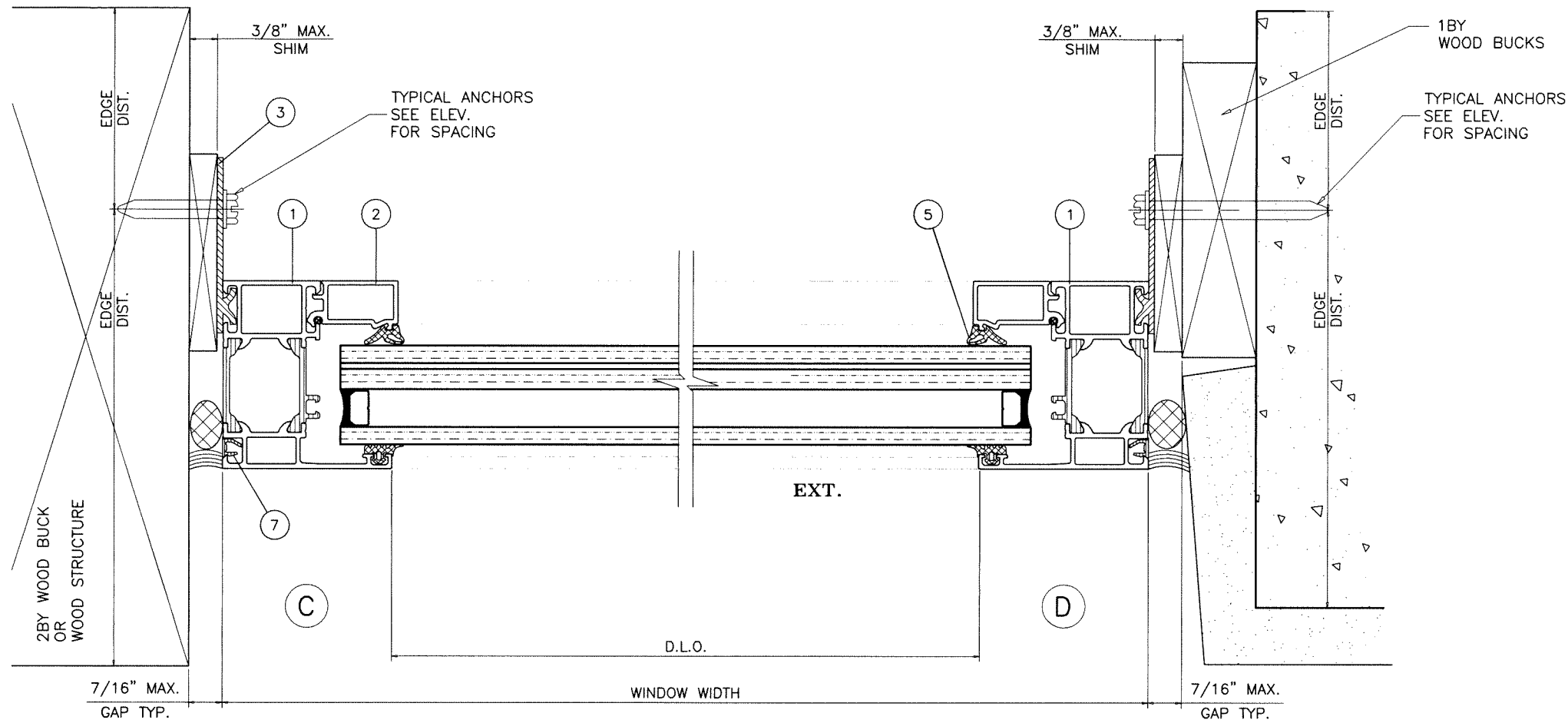
STRAP ANCHOR INSTALLATION



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

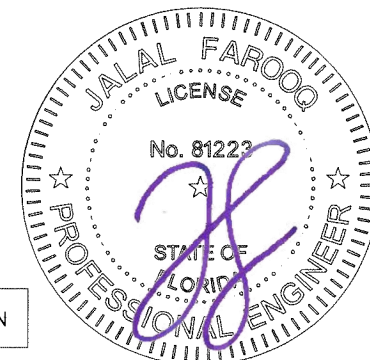
SERIES AWS 65/70/75/90 FIXED WINDOW SYSTEM (L.M.I.)
SCHUCO USA LLLP.
240 PANE ROAD
NEWINGTON, CT 06111
TEL. (860) 666-0505 FAX (860) 616-0188

revisions:		no		date		by description	
03-28-18	1	2	1	2	1	2	1
date:	03-28-18	scale:	1 : 2	dr. by:	MLS	chk. by:	
drawing no.				W18-41			
sheet 2 of 5							



Sealed: 7/26/2023

STRAP ANCHOR INSTALLATION



FL # 26977

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

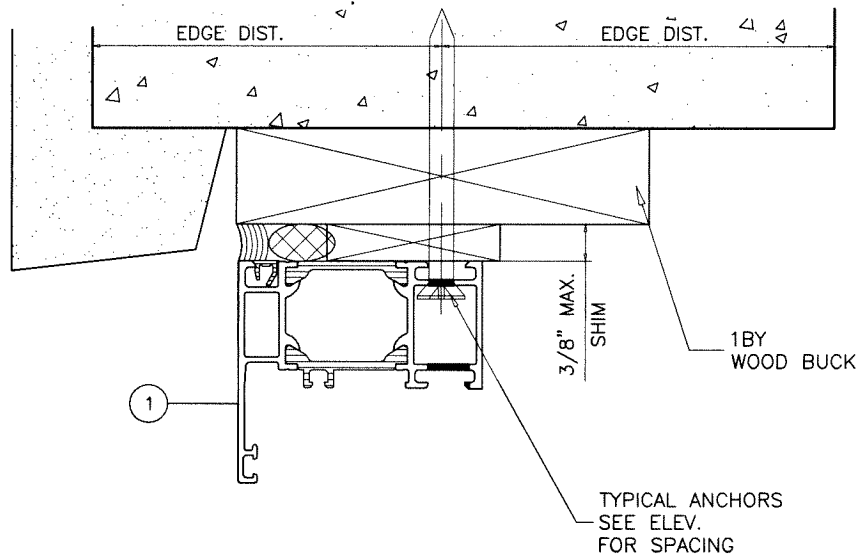
SERIES AWS 65/70/75/90 FIXED WINDOW SYSTEM (L.M.I.)

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

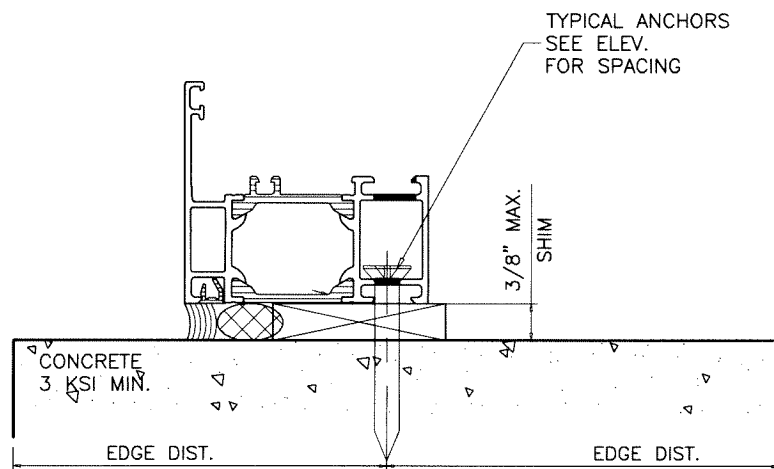
revisions:		no date by description	
date:	03-28-18	no	date
scale:	1 : 2		
dr. by:	MLS		
chk. by:			
drawing no.		W18-41	
sheet		3 of 5	

COMP-ANL\W18-41-SUL

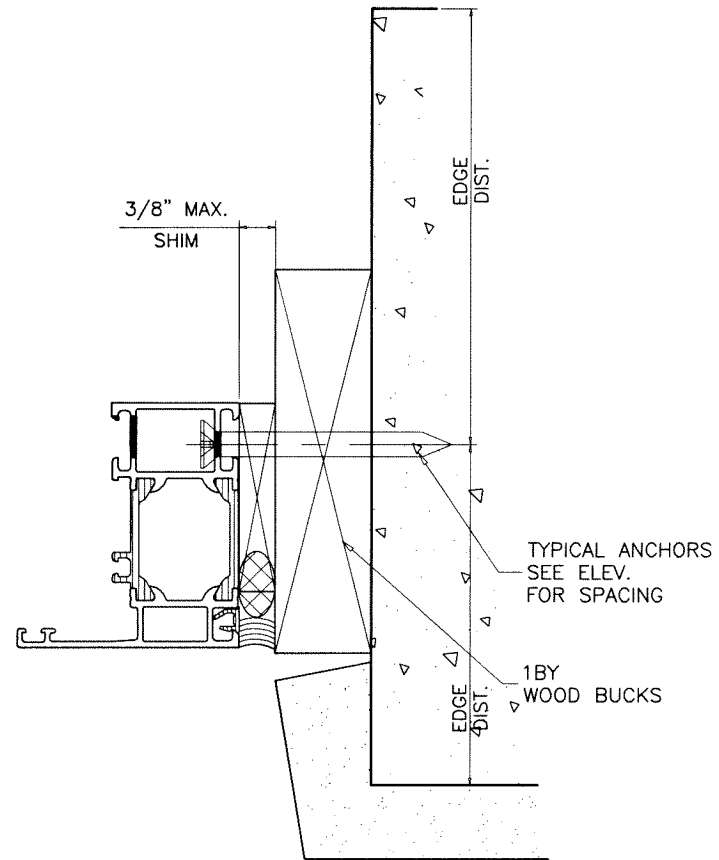
A
ALT.



B
ALT.



C
ALT.



D
ALT.

Sealed: 7/26/2023

THROUGH FRAME ANCHOR INSTALLATION

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



FL # 26977

SERIES AWS 65/70/75/90 FIXED WINDOW SYSTEM (L.M.I.)

SCHUCO USA LLLP.

240 PANE ROAD
NEWINGTON, CT 06111

TEL. (860) 666-0505 FAX (860) 616-0188

AL-FAROOQ CORPORATION

ENGINEERS & PRODUCT DEVELOPMENT

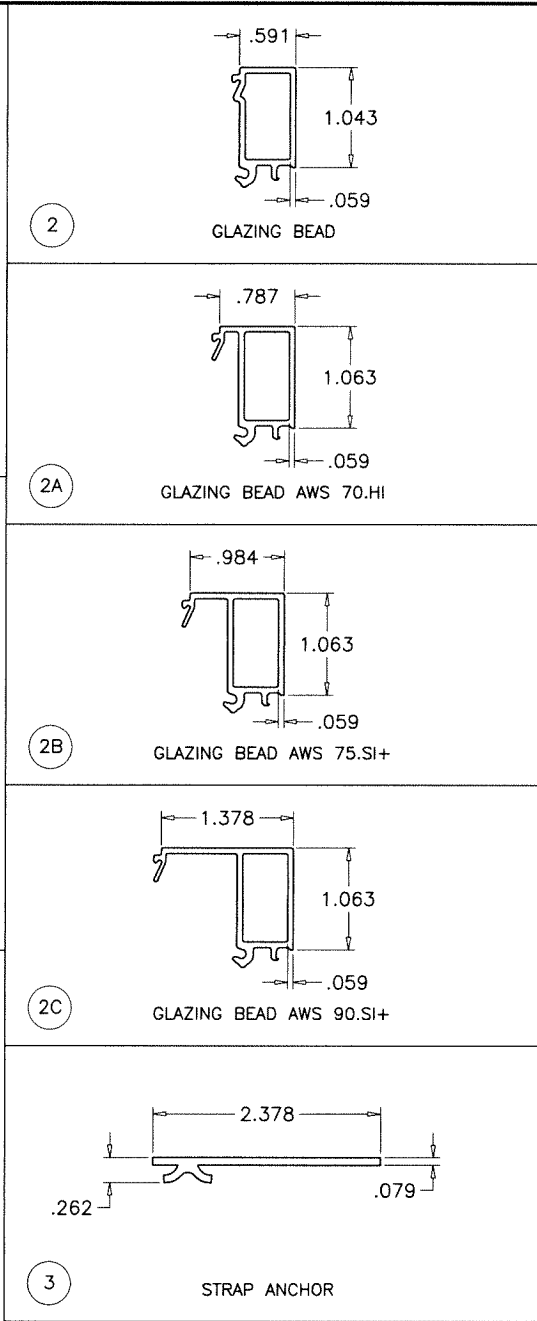
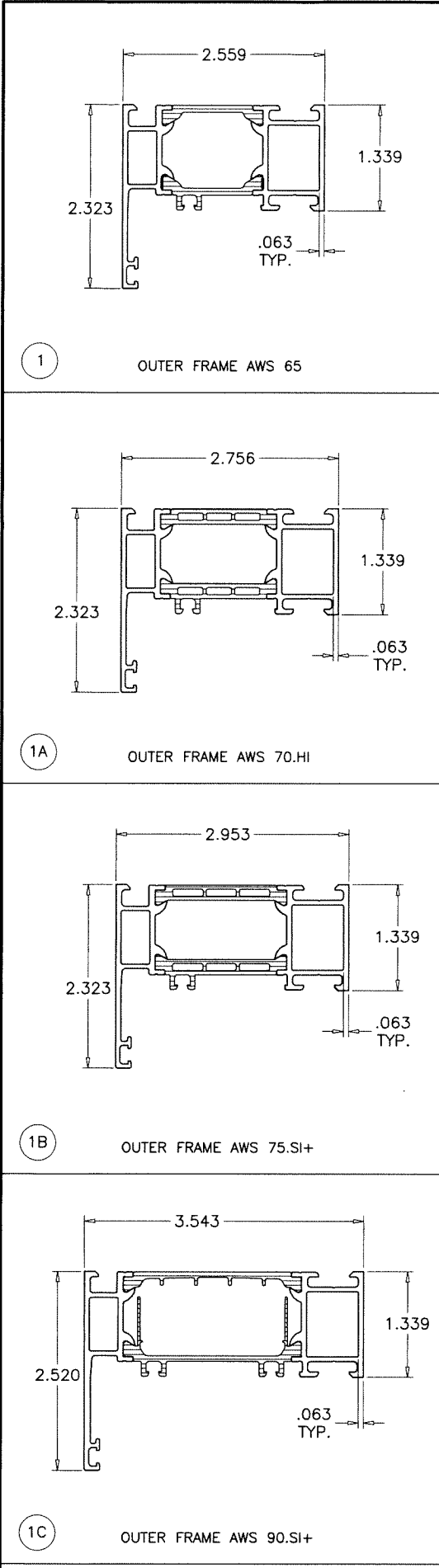
9360 SUNSET DRIVE, SUITE 220

MIAMI, FLORIDA 33173 (C.A.N. 3538)

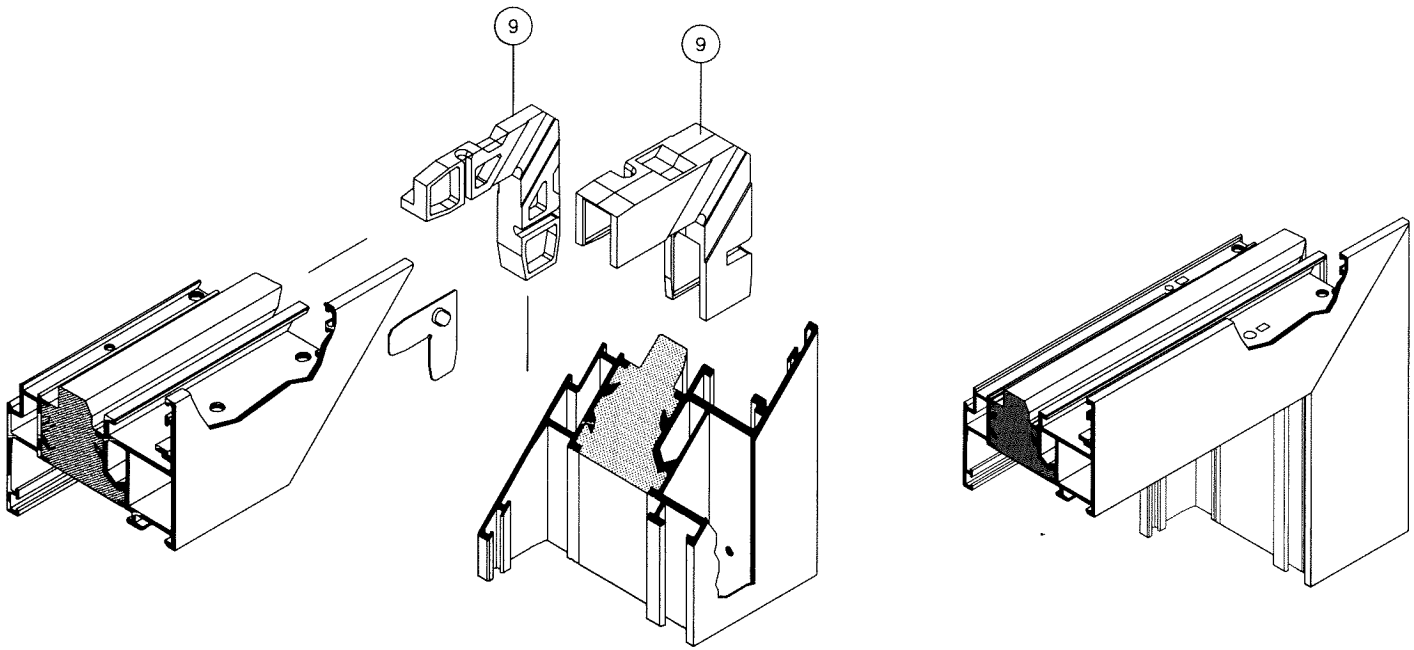
TEL. (305) 264-8100 FAX. (305) 262-6978

COMP-ANL\W18-41-SUL

revisions:		no date by description	
date:	03-28-18	scale:	1 : 2
dr. by:	MLS	chk. by:	
drawing no.	W18-41		
sheet	4 of 5		



ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL
1	363900	4	FRAME AWS 65	6063-T6
1A	358150	AS REQD.	FRAME AWS 70.HI	6063-T6
1B	382130	AS REQD.	FRAME AWS 75.SI+	6063-T6
1C	465070	AS REQD.	FRAME AWS 90.SI+	6063-T6
2	489760	4	GLAZING BEAD EHL 22 (AWS 65)	6063-T6
2A	467770	AS REQD.	FIXED GLAZING BEAD AWS 70.HI	6063-T6
2B	467780	AS REQD.	FIXED GLAZING BEAD AWS 75.SI+	6063-T6
2C	467800	AS REQD.	FIXED GLAZING BEAD AWS 90.SI+	6063-T6
3	207628	AS REQD.	STRAP ANCHOR	50961-Fe/Zn 8 C
4	224063	AS REQD.	GLAZING GASKET 4MM (AWS 65)	
4A	284351	AS REQD.	GLAZING GASKET AWS 70.HI	
4B	284321	AS REQD.	GLAZING GASKET AWS 75.SI+ & 90.SI+	
5	224350	AS REQD.	CONT. O.-IN GASKET 5MM (AWS 65)	
5A	284839	AS REQD.	CONT. O.-IN GASKET AWS 70.HI	
5B	284834	AS REQD.	CONT. O.-IN GASKET AWS 75.SI+	
5C	284837	AS REQD.	CONT. O.-IN GASKET AWS 90.SI+	
6	208694	2	DRAIN COVER CAP BLK.	
7	244516	AS REQD.	PVC-U FILLER PROF SW	
8	288167	2	GLAZING SUPPORT	POLYAMIDE, DUROMETER 80±5 SHORE A
9	236198/236218	4/EA.	CORNER KEY	6063-T6
10	288138	AS REQD.	GLAZ. REBATE INSUL. AWS 75.SI+	
11	288502	AS REQD.	GLAZ. REBATE INSUL. AWS 90.SI+	
12	--	2	SETTING BLOCK	EPDM, DUROMETER 80±5 SHORE A



FL # 26977

JALAL FAROOQ
LICENSE
No. 81223
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Sealed: 7/26/2023

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

SERIES AWS 65/70/75/90 FIXED WINDOW SYSTEM (L.M.I.)

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

revisions:
no date by description

03-28-18	1	2	MLS	
----------	---	---	-----	--

date: 03-28-18 scale: 1 : 2 dr. by: MLS chk. by:

drawing no. **W18-41**

sheet 5 of 5

COMP-ANL\W18-41-SUL