

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

STEP 1 DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.

<u>STEP 2</u> DETERMINE DOOR CAPACITY FROM TABLE ON SHEET 2 FOR THE GLASS TYPE USED.

STEP 3

USING CHARTS ON SHEET 2 SELECT ANCHOR OPTION
WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED
IN STEP 1 ARROYF

STEP 4 THE LOWEST VALUE RESULTING FROM STEPS 2 AND 3 SHALL APPLY TO ENTIRE SYSTEM.

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

SERIES-390HP ALUMINUM SLIDING GLASS DOOR

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.

CHART #1				ANCHOR LOAD CAPACITY - PSF								
						ANCHOR TYPE 'A' ANCHOR TYPE 'B'			TYPE 'C'			
DESIGN LOAD CAPACITY - PSF						6 ANCHORS	8 ANCHORS	4 ANCHORS	6 ANCHORS	8 ANCHORS	4 ANCHORS	6 ANCHORS
AVERAGE			TYPES	AVERAGE	DOOD FRANC	AT MTG. STILE ENDS	AT MTG. STILE ENDS	AT MTG. STILE ENDS	AT MTG. STILE ENDS	AT MTG. STILE ENDS	AT MTG.	AT MTG.
PANEL WIDTH DOOR HEIGH		'A' & 'B'		PANEL WIDTH	DOOR FRAME HEIGHT	EXT. (+)	EXT. (+)	EXT. (+)	EXT. (+)	EXT. (+)	STILE ENDS	STILE ENDS
INCHES	INCHES	EXT.(+)	INT.(-)	INCHES	INCHES	INT. (-)	INT. (-)	INT. (-)	INT. (-)	INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36	80	90.0	140.0	36		140.0	140.0	139.3	140.0	140.0	140.0	140.0
42		90.0	140.0	42	80	140.0	140.0	119.4	140.0	140.0	140.0	140.0
48		90.0	140.0	48		136.0	140.0	104.5	140.0	140.0	140.0	140.0
54		81.7	127.0	54		120.9	127.0	92.9	127.0	127.0	127.0	127.0
60		73.5	114.3	60		108.8	114.3	83.6	114.3	114.3	114.3	114.3
36	84	90.0	140.0	36	84	140.0	140.0	132.7	140.0	140.0	140.0	140.0
42		90.0	140.0	42		140.0	140.0	113.7	140.0	140.0	140.0	140.0
48		90.0	140.0	48		129.5	140.0	99.5	139.3	140.0	139.3	140.0
54		81.7	127.0	54		115.1	127.0	88.4	123.8	127.0	123.8	127.0
60		73.5	81.7	60		81.7	81.7	79.6	81.7	81.7	81.7	81.7
36	90	90.0	140.0	36	90	140.0	140.0	123.8	140.0	140.0	140.0	140.0
42		90.0	140.0	42		138.1	140.0	106.1	140.0	140.0	140.0	140.0
48		90.0	140.0	48		120.9	140.0	92.9	130.0	140.0	130.0	140.0
54		81.7	90.7	54		90.7	90.7	82.5	90.7	90.7	90.7	90.7
60		57.2	57.2	60		57.2	57.2	57.2	57.2	57.2	57.2	57.2
36		90.0	140.0	36	96	140.0	140.0	116.1	140.0	140.0	140.0	140.0
42		90.0	140.0	42		129.5	140.0	99.5	139.3	140.0	139.3	140.0
48	96	90.0	140.0	48		113.3	140.0	87.1	121.9	140.0	121.9	140.0
54	-	81.7	90.7	54		90.7	90.7	77.4	90.7	90.7	90.7	90.7
60		57.2	57.2	60		57.2	57.2	57.2	57.2	57.2	57.2	57.2
36	98	90.0	140.0	36	98	140.0	140.0	113.7	140.0	140.0	140.0	140.0
42		90.0	140.0	42		126.9	140.0	97.5	136.5	140.0	136.4	140.0
48		90.0	140.0	48		111.0	140.0	85.3	119.4	140.0	119.4	140.0
36	102	90.0	100.0	36	102	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42		90.0	100.0	42		100.0	100.0	93.6	100.0	100.0	100.0	100.0
48		90.0	100.0	48		100.0	100.0	81.9	100.0	100.0	100.0	100.0
54		63.5	63.5	54		63.5	63.5	63.5	63.5	63.5	63.5	63.5
36	108	90.0	100.0	36	108	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42		90.0	100.0	42		100.0	100.0	88.4	100.0	100.0	100.0	100.0
48	<u> </u>	90.0	100.0	48		100.0	100.0	77.4	100.0	100.0	100.0	100.0
36	114	70.0	70.0	36	114	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42		70.0	70.0	42		70.0	70.0	70.0	70.0	70.0	70.0	70.0
48		70.0	70.0	48		70.0	70.0	70.0	70.0	70.0	70.0	70.0
36	120	70.0	70.0	36		70.0	70.0	70.0	70.0	70.0	70.0	70.0
42		70.0	70.0	42	120	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48		70.0	70.0	48		70.0	70.0	69.7	70.0	70.0	70.0	70.0

CHART #2

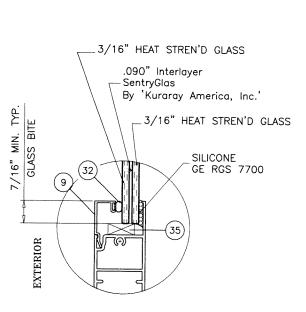
DOOR WIDTH AVERAGE PANEL WIDTH = NUMBER OF PANELS

SEE CHART #1 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.

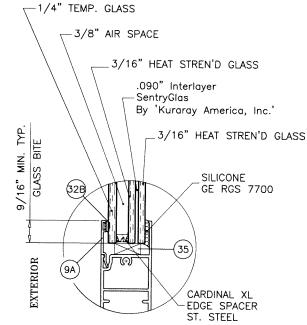
SEE CHART #2 FOR ANCHORS CAPACITY.

LOWER VALUËS FROM GLASS OR ANCHOR CHART WILL APPLY TO ENTIRE SYSTEM.

ALL EXTERIOR(+) LOADS SHOWN IN CHARTS ABOVE ARE FOR DOORS WITH 3-1/2" SILL HEIGHTS. FOR 2-3/4" SILL HEIGHT LIMIT EXT.(+) LOADS TO 87.5 PSF SEE SHEET 4 FOR DETAILS



GLASS TYPE 'A' 7/16" OVERALL LAMINATED GLASS



GLASS TYPE 'B'

1-1/16" OVERALL INSUL. LAM. GLASS

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

Sealed: 7/20/2023

FL #21848

 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

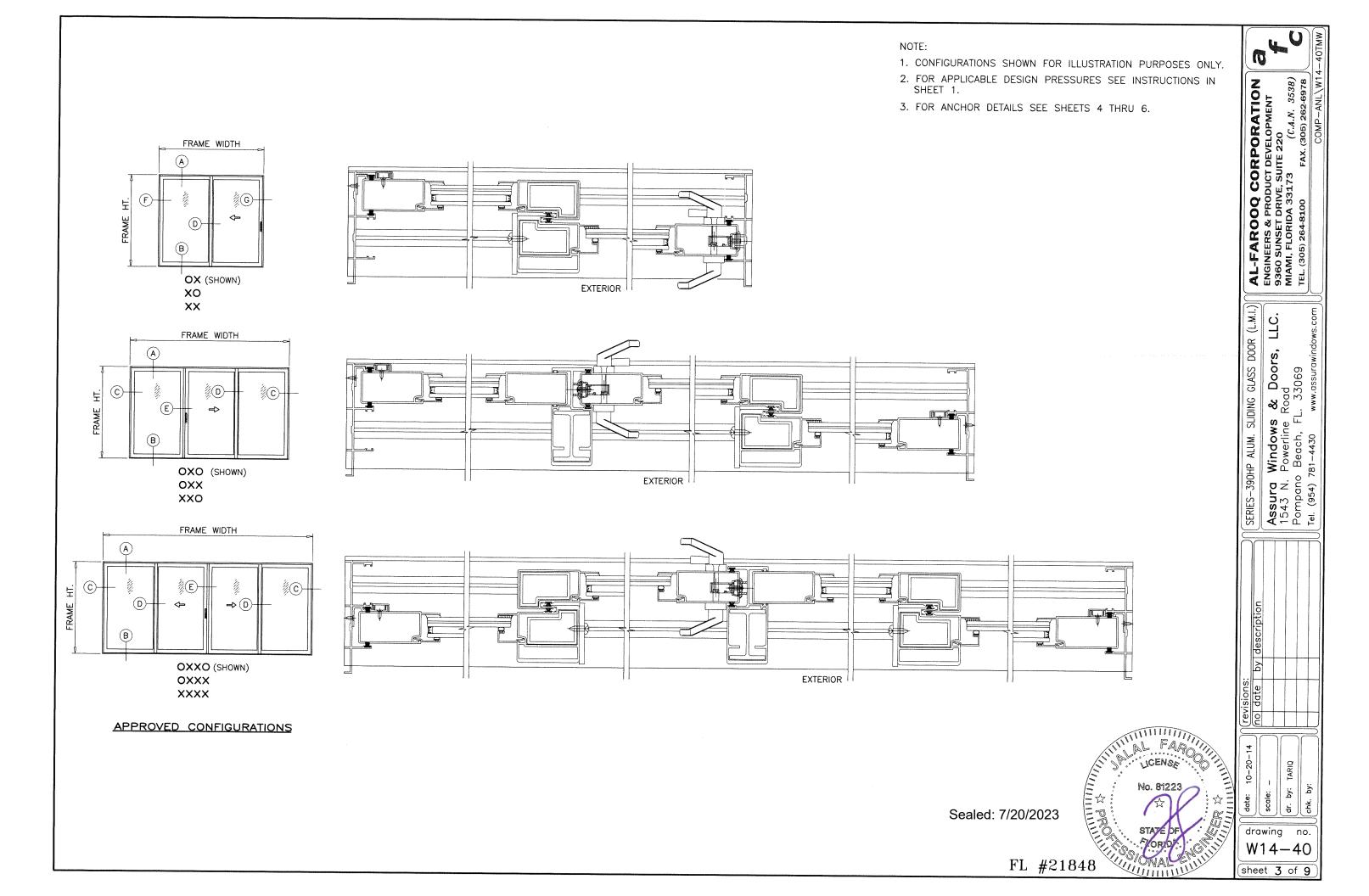
SERIES-390HP ALUM. SLIDING GLASS DOOR (L.M.I.) LC.

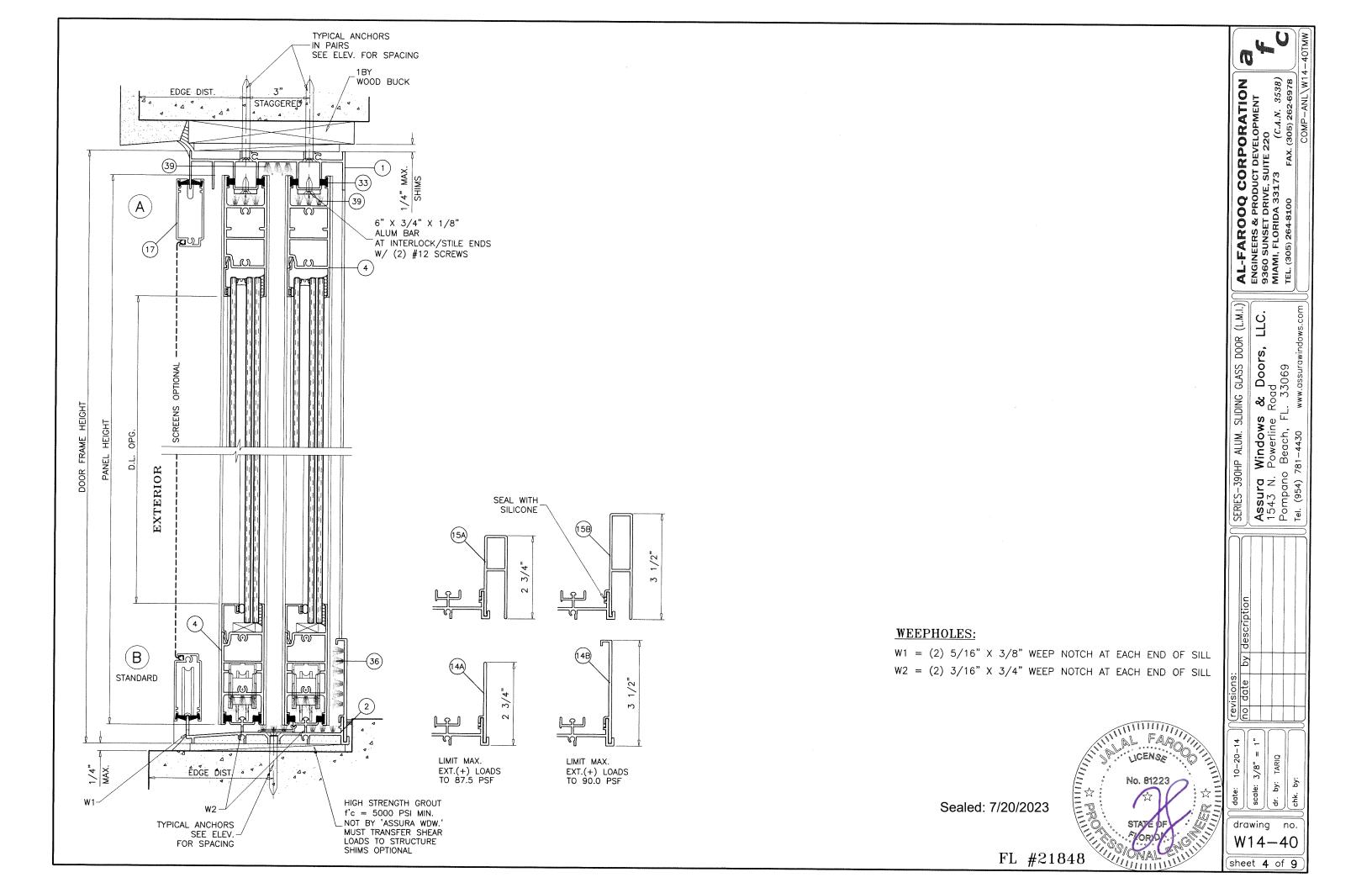
Assura Windows & Doors, 1 1543 N. Powerline Road Pompano Beach, FL. 33069 Tel. (954) 781-4430 www.assurawindov

<u>9</u> 0 3/8" by: <u>۾</u>

drawing no.

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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

— — — — — AT HEAD — 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 CONCRETE 1-1/4" MIN. EMBED INTO CONCRETE

TYPE 'B'- 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI) DIRECTLY INTO CONCRETE 1-1/4" MIN. EMBED INTO CONCRETE

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

TYPE 'B'- 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI) DIRECTLY INTO CONCRETE 1-1/4" MIN. EMBED

— — AT JAMBS— 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 CONC. OR BLOCKS

TYPE 'B'- 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI) DIRECTLY INTO CONC. OR BLOCKS

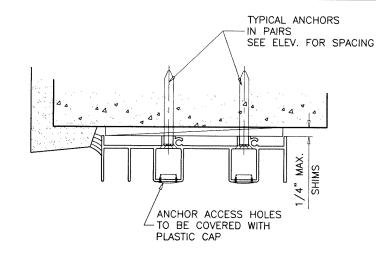
1-1/4" MIN. EMBED INTO CONC. OR BLOCKS

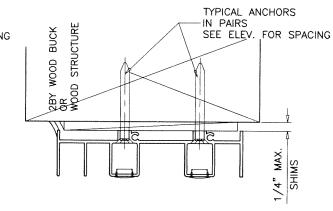
TYPE 'C'- 1/4" DIA. SELF DRILLING SCREWS (GRADE 5 CRS) INTO F.B.C. APPROVED MULLIONS INTO METAL STRUCTURES (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.) STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

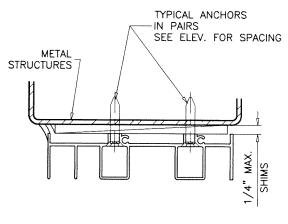
ANCHOR EDGE DISTANCES

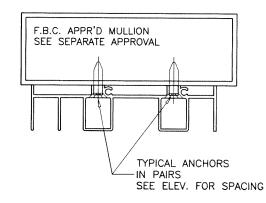
INTO CONCRETE = 2-1/2" MIN. INTO WOOD STRUCTURE = 1" MIN. INTO METAL STRUCTURE = 3/4" MIN.

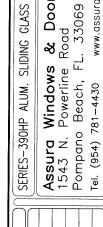
WOOD AT HEAD OR JAMBS SG = 0.55 MIN. CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN. C-90 GROUT FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.











(L.M.I.)

DOOR

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AL-FAROOQ CORPOF ENGINEERS & PRODUCT DEVELO 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 (C TEL. (305) 264-8100 FAX. (308)

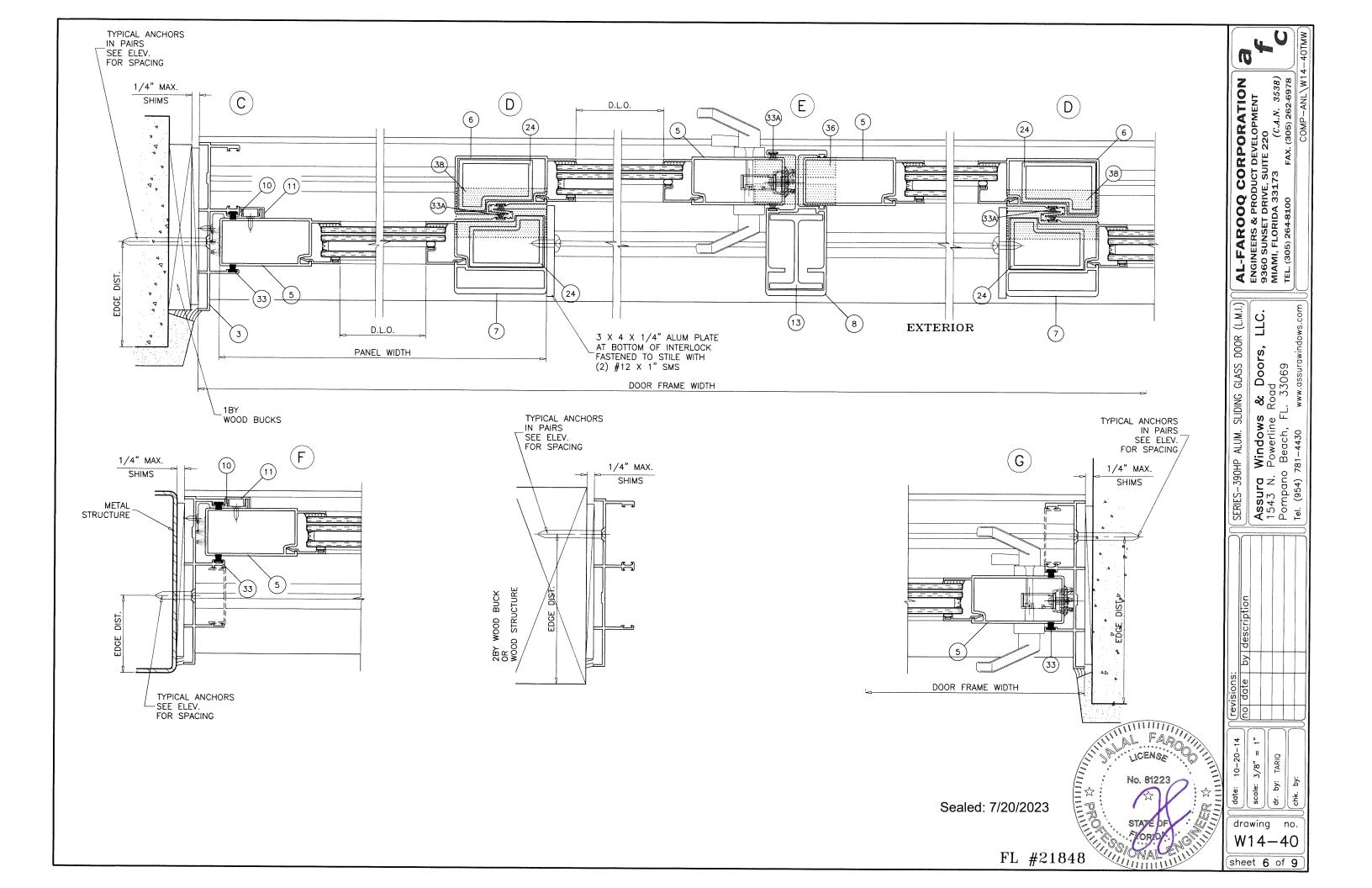
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FL #21848

Sealed: 7/20/2023



1 2	TM-347	<u> </u>		MATERIAL	MANF./SUPPLIER/REMARKS
2	1141 0 17	1	FRAME HEAD	6063-T6	
	TMW-39	1	FRAME SILL	6063-T6	
3	TM-332	2	FRAME JAMB	6063-T6	_
4	TM-321	2/ PANEL	PANEL TOP AND BOTTOM RAIL	6063-T6	-
5	TM-322	1	PANEL JAMB STILE	6063-T6	_
6	TM-323	AS REQD.	STD. INNER INTERLOCK	6063-T6	
7	TM-364	AS REQD.	HI-RISE OUTER INTERLOCK	6005-T5	-
8	TM-371	AS REQD.	HI-RISE ASTRAGAL STILE	6005-T5	_
9	TM-327	4/ PANEL	GLAZING BEAD (LAM. GLASS)	6063-T6	***
9A	TM-326	4/ PANEL	GLAZING BEAD (LAM. INSUL. GLASS)	6063-T6	
10	TM-348	1/ FIX. PANEL	FIX. PANEL CLIP	6063-T6	
11	TM-349	AS REQD.	FIX. PANEL CLIP COVER	6063-T6	
12	TM-339	AS REQD.	JAMB COVER (OPTIONAL)	6063-T6	_
13	TM-369	1	ASTRAGAL STIFFENER	6005-T5	
14A	TM-342	AS REQD.	2-3/4" SILL RISER	6063-T6	_
14B	TM-343	AS REQD.	3-1/2" SILL RISER	6063-T6	_
15A	TM-350	AS REQD.	2-3/4" SILL RISER	6063-T6	_
15B	TM-351	AS REQD.	3-1/2" SILL RISER	6063-T6	
16	TM-340	AS REQD.	SILL ANCHOR COVER	6063-T6	_
17	TM-354	AS REQD.	SCREEN TOP & BOTTOM RAIL	6063-T6	_
18	TM-355	AS REQD.	SCREEN STILE	6063-T6	_
19	TM-357	AS REQD.	OXXO SCREEN STILE	6063-T6	-
20	TM-356	AS REQD.	OXO SCREEN ADAPTER	6063-T6	
21	TM-344	AS REQD.	FRAME HEAD SCREEN ADAPTER (3 & 4 TRACKS)	6063-T6	_
22	TM-345	AS REQD.	FRAME SILL SCREEN ADAPTER (3 & 4 TRACKS)	6063-T6	
23	TM-346	AS REQD.	FRAME JAMB SCREEN ADAPTER (3 & 4 TRACKS)	6063-T6	
24	TM-328	AS REQD.	HOLLOW STIFFENER	6005-T5	_
27	#10 X 3/4"	AS REQD.	FRAME ASSEMBLY SCREWS	ST. STEEL	PH P SMS
28	#12 X 1"	2/ CORNER	PANEL ASSEMBLY SCREWS	ST. STEEL	FH SMS
29	#10 X 1"	AS REQD.	FIX. PANEL SCREWS, AT 6" FROM ENDS & 24" O.C. MAX.	ST. STEEL	FPF SMS/TEKS
30		2/ PANEL	ROLLER ASSEMBLY	****	HSTD
31		needs:	MORTISE HOOK LOCK		FASCO
32	E70818KN1020	4/ LITE	GLAZING GASKET (7/16" LAM. GLASS)	VINYL	ULTRAFAB
32A	W32001	4/ LITE	GLAZING GASKET (9/16" LAM. GLASS)	VINYL	AMESBURY
32B	W32011	4/ LITE	GLAZING GASKET (INSUL. LAM. GLASS)	VINYL	AMESBURY
33	21315	AS REQD.	FIN SEAL PILE W'STRIPPING	-	ULTRAFAB
33A	33371	AS REQD.	FIN SEAL PILE W'STRIPPING	_	ULTRAFAB
34		AS REQD.	BULB W'STRIPPING	VINYL	_
35	_	2/ LITE	SETTING BLOCK, 1/8" X 1/4" X 2" LONG	EPDM	LAMATEK
36	-	AS REQD.	SELF ADHESIVE PILE PAD (1-3/4" X 3" X 3/4")	WOOL	ULTRAFAB
37	_	AS REQD.	SELF ADHESIVE PILE PAD (1" X 2-7/16" X 1/2")	WOOL	ULTRAFAB
38	-	AS REQD.	SELF ADHESIVE PILE PAD (1-5/8" X 2-7/16" X 1/2")	WOOL	ULTRAFAB
39	-	AS REQD.	SELF ADHESIVE PILE PAD (1/8" X 2-7/16" X 3/4")	WOOL	ULTRAFAB
40			-		_

SEALANTS:

FRAME AND PANEL CORNERS AND INSTALLATION SCREWS AT SILL AND JAMBS SEALED WITH JOINT SEALANT.

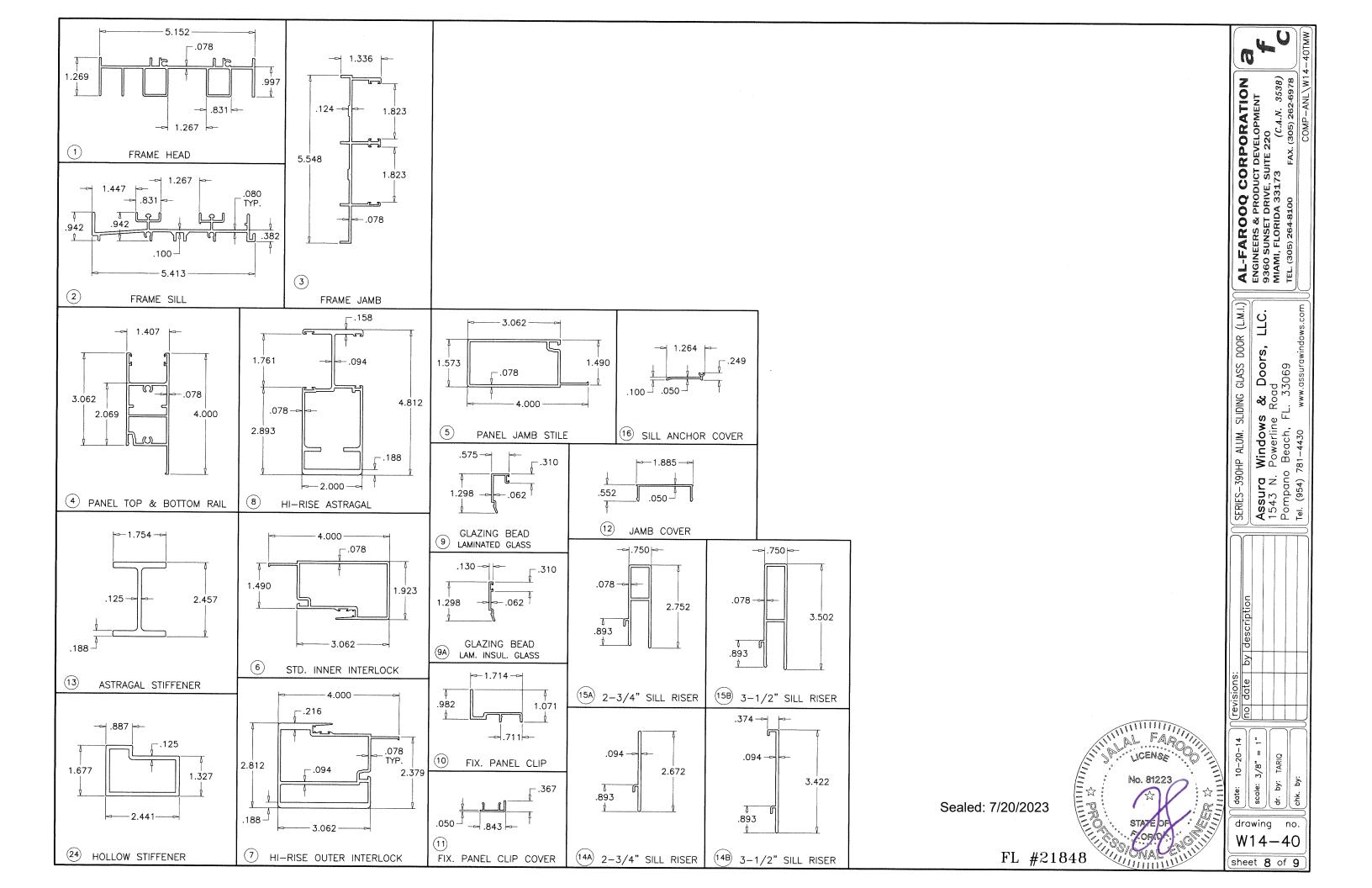
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33.173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978 Assura Windows & Doors, LLC.
1543 N. Powerline Road
Pompano Beach, FL. 33069
Tel. (954) 781-4430 www.assurawindows.com revisions: no date by description scale: 3/8" = 1" dr. by: TARIQ chk. by:

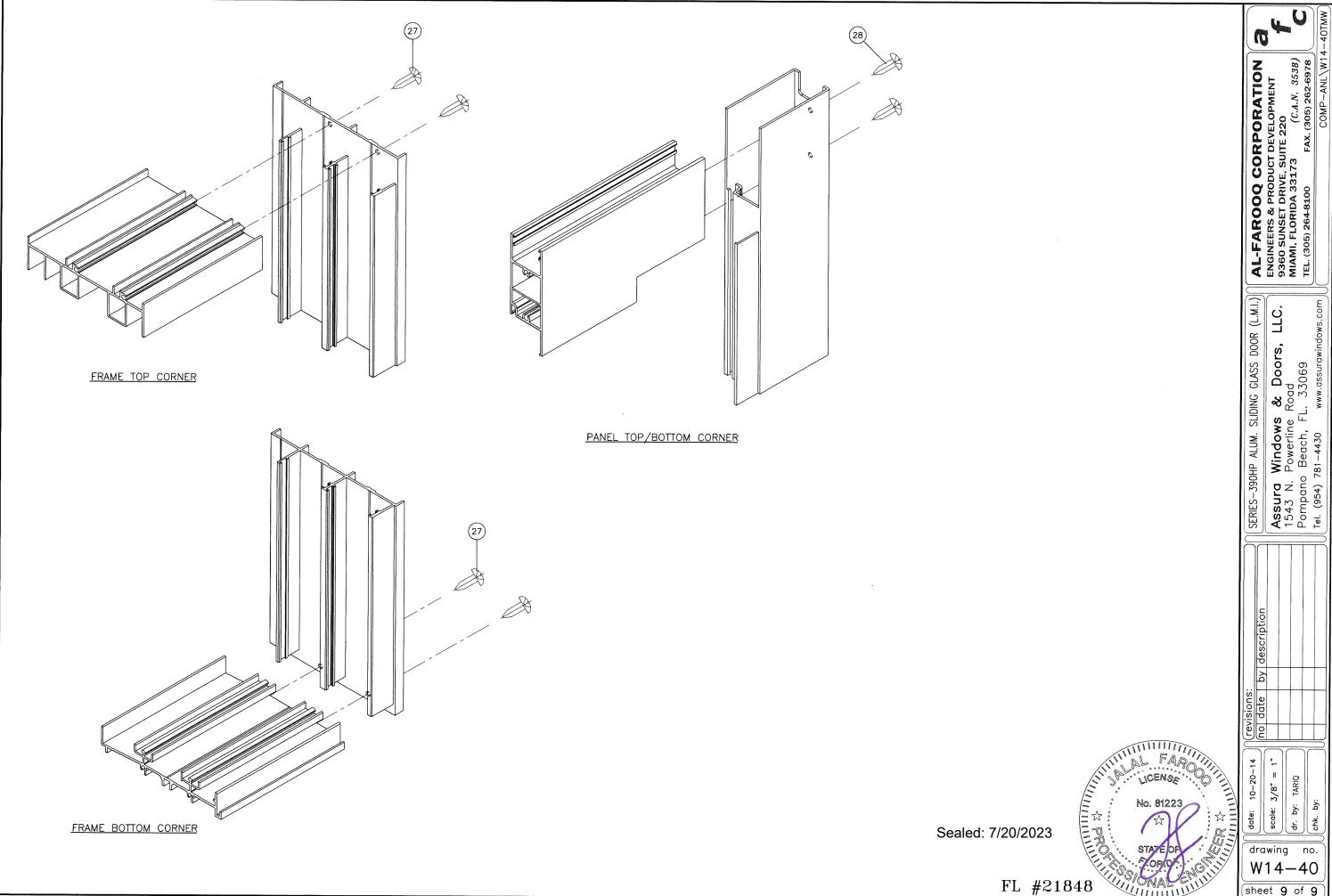
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<u>FL</u> #21848





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