

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

SERIES 605 ALUMINUM SINGLE HUNG WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER
CHARTS SHOWN ON SHEET 2.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE
COMBINATIONS OF S.H./S.H. OR SINGLE HUNG WITH OTHER
WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING
F.B.C. APPROVED MULLIONS IN BETWEEN.
LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL
WILL APPLY TO ENTIRE SYSTEM.

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.

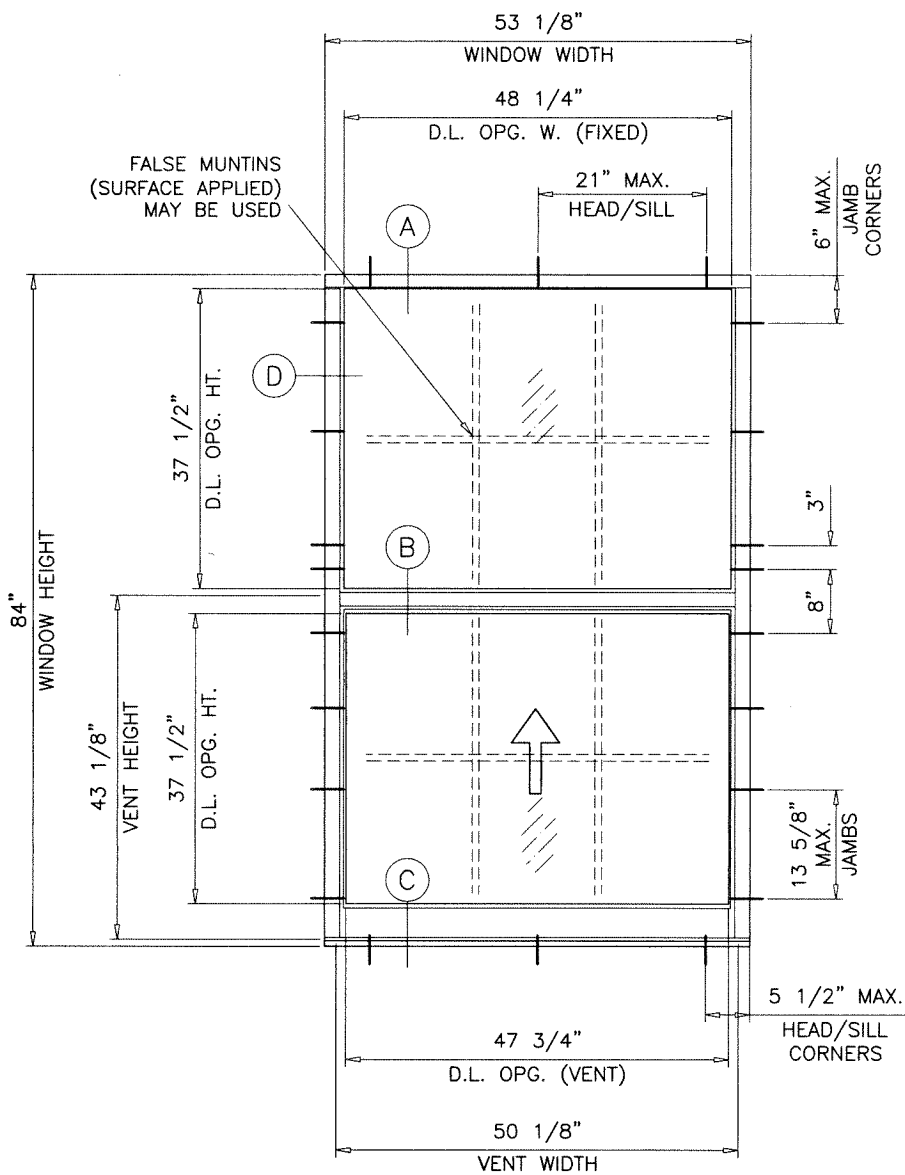
ALL SHIMS TO BE LOAD-BEARING, (HIGH DENSITY PLASTIC/COMPOSITE, METAL
OR OTHER RIGID MATERIALS).

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.

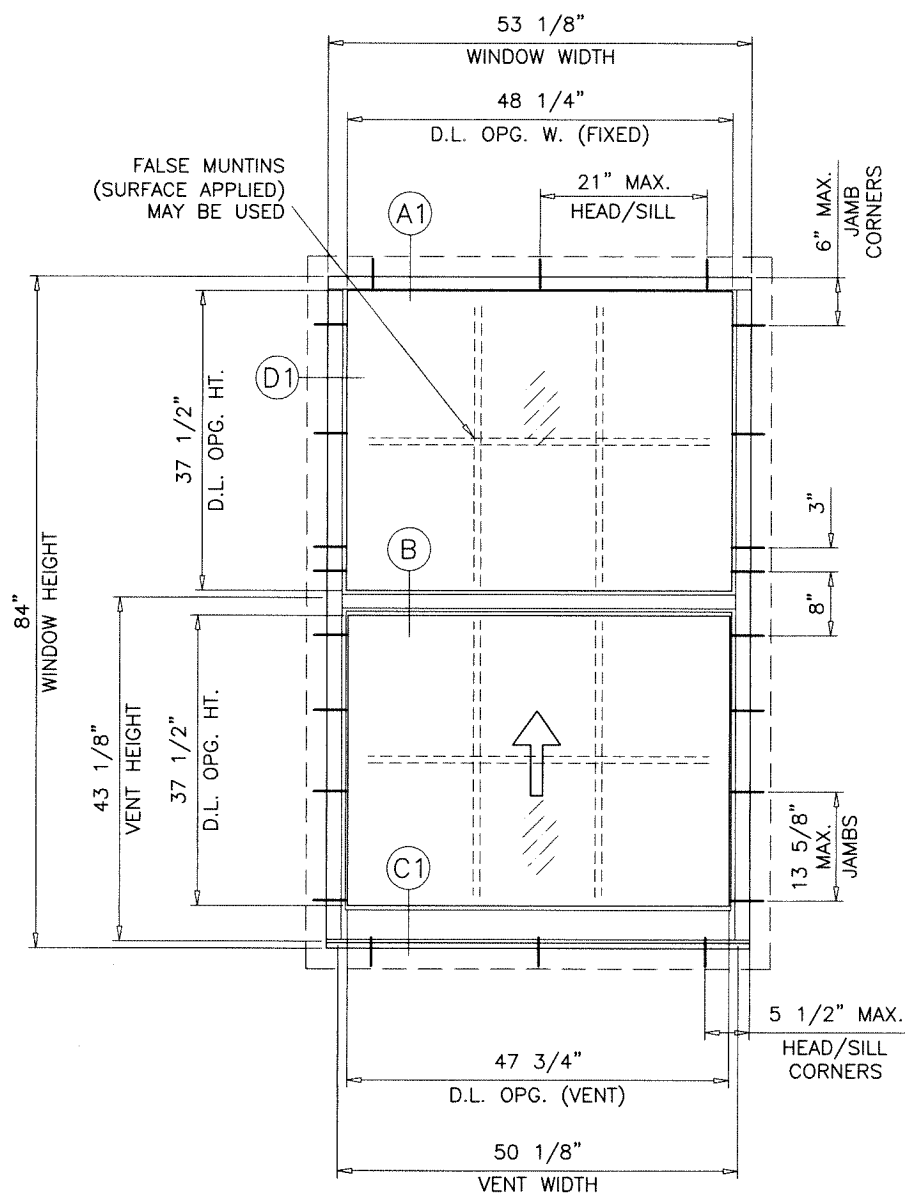
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION
FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY
OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR
WATER INFILTRATION RESISTANCE ETC.
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY,
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
EQUAL LITES
(SEE DESIGN CAPACITY CHART)**



**TYPICAL ELEVATION
WITH OPTIONAL FIN
EQUAL LITES
(LIMIT DESIGN CAPACITY TO ±61.0 PSF MAX.)**

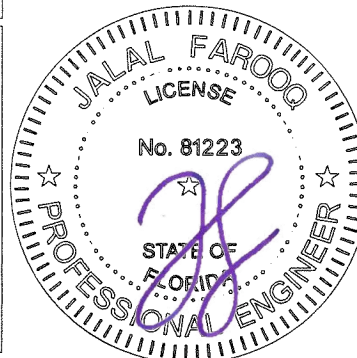
D.L.O. WIDTH (FIXED) = WINDOW WIDTH - 4.875"
D.L.O. WIDTH (VENT) = WINDOW WIDTH - 5.375"
D.L.O. HEIGHT = WINDOW HEIGHT/2 - 4.5"

Sealed: 9/29/2026

**LAMINATED GLASS
INSUL. LAM. GLASS
LARGE MISSILE IMPACT**

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.

- 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 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W15-28TMW

SERIES 605 ALUMINUM SINGLE HUNG WDW. (L.M.I.)

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

no	date	by	description
A	02.08.17	MANUF. NAME REV.	
B	10.05.17		UPDATED TO 2017 FBC
C	09.23.20		UPDATED TO 2020 FBC
D	07.03.23		UPDATED TO 2023 FBC
E	09.25.26		UPDATED TO 2026 FBC

date: 06-29-15

scale: 1/2"=1'-0"

dr. by: TARIQ

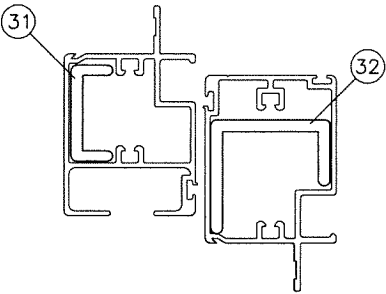
chk. by:

drawing no.

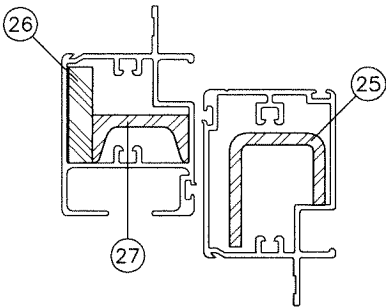
W15-28

sheet 1 of 7

DESIGN LOAD CAPACITY - PSF (WITH ALUMINUM REINFORCING)															
WINDOW DIMS.		GLASS TYPE 'C'		GLASS TYPES 'D' & 'E'		GLASS TYPE 'F'		GLASS TYPE 'G'		GLASS TYPE 'H'		GLASS TYPE 'I'		GLASS TYPE 'J'	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)
19-1/8"	26" (4)	70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
26-1/2"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
37"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
53-1/8"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
19-1/8"	38-3/8" (4)	70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
26-1/2"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
37"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
53-1/8"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
19-1/8"	50-5/8" (5)	70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
26-1/2"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
37"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
53-1/8"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
19-1/8"	56-5/8" (6)	70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
26-1/2"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
37"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
53-1/8"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
19-1/8"	63" (6)	70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
26-1/2"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
37"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
53-1/8"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
19-1/8"	72" (7)	70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
26-1/2"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
37"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
53-1/8"		-	-	61.0	61.0	-	-	80.0	80.0	80.0	80.0	78.2	78.2	80.0	80.0
19-1/8"	76-3/4" (7)	70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
26-1/2"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
37"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
53-1/8"		-	-	61.0	61.0	-	-	77.6	77.6	80.0	80.0	74.5	74.5	80.0	80.0
24"	48" (5)	70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
30"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
36"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
42"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
48"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
54"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
24"	60" (6)	70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
30"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
36"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
42"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
48"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
54"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
24"	72" (7)	70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
30"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
36"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
42"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
48"		-	-	61.0	61.0	-	-	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
54"		-	-	61.0	61.0	-	-	79.1	79.1	79.1	79.1	76.8	76.8	78.4	78.4
24"	84" (8)	70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
30"		70.0	70.0	61.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
36"		-	-	61.0	61.0	-	-	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
42"		-	-	61.0	61.0	-	-	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
48"		-	-	61.0	61.0	-	-	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
48"		-	-	61.0	61.0	-	-	80.0	80.0	80.0	80.0	77.5	77.5	80.0	80.0



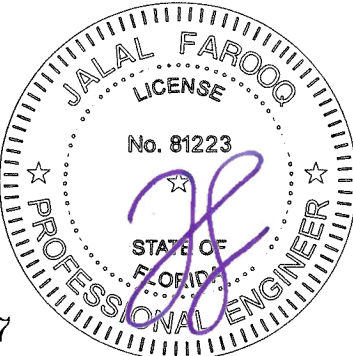
DESIGN LOAD CAPACITY - PSF (WITH STEEL REINFORCING)			
WINDOW DIMS.		GLASS TYPE 'F'	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)
19-1/8"	26" (4)	80.0	115.0
26-1/2"		80.0	115.0
37"		80.0	115.0
53-1/8"		80.0	115.0
19-1/8"	38-3/8" (4)	80.0	115.0
26-1/2"		80.0	115.0
37"		80.0	115.0
53-1/8"		80.0	115.0
19-1/8"	50-5/8" (5)	80.0	115.0
26-1/2"		80.0	115.0
37"		80.0	115.0
53-1/8"		80.0	115.0
19-1/8"	56-5/8" (6)	80.0	115.0
26-1/2"		80.0	115.0
37"		80.0	115.0
53-1/8"		80.0	115.0
19-1/8"	63" (6)	80.0	115.0
26-1/2"		80.0	115.0
37"		80.0	115.0
53-1/8"		80.0	115.0
19-1/8"	72" (7)	80.0	115.0
26-1/2"		80.0	115.0
37"		80.0	115.0
53-1/8"		80.0	115.0
19-1/8"	76-3/4" (7)	80.0	115.0
26-1/2"		80.0	115.0
37"		80.0	112.2
24"	48" (5)	80.0	115.0
30"		80.0	115.0
36"		80.0	115.0
42"		80.0	115.0
48"		80.0	115.0
54"		80.0	109.1
24"	60" (6)	80.0	115.0
30"		80.0	115.0
36"		80.0	115.0
42"		80.0	115.0
48"		80.0	109.7
54"		80.0	98.4
24"	72" (7)	80.0	115.0
30"		80.0	115.0
36"		80.0	115.0
42"	84" (8)	80.0	115.0
30"		80.0	115.0



() NO. IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB

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

FL #21857



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

SERIES 605 ALUMINUM SINGLE HUNG WDW. (L.M.I.)

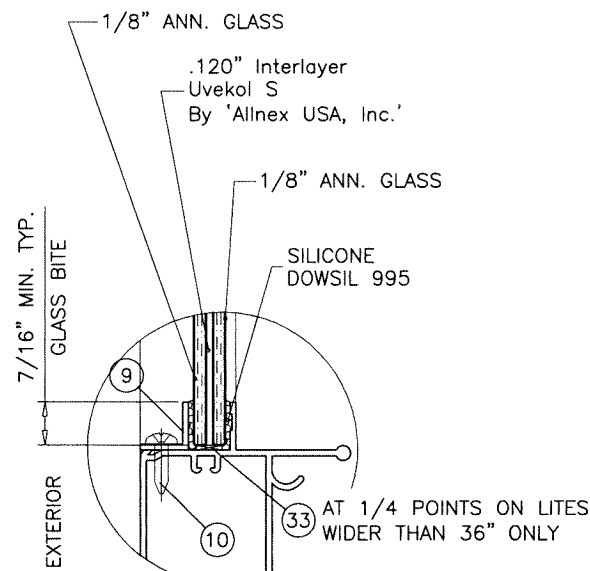
Assura Windows & Doors, LLC.
1543 N. Powerline Road
Pompano Beach, FL. 33069
Tel. (954) 781-4430
www.assurawindows.com

revisions:
no date by description

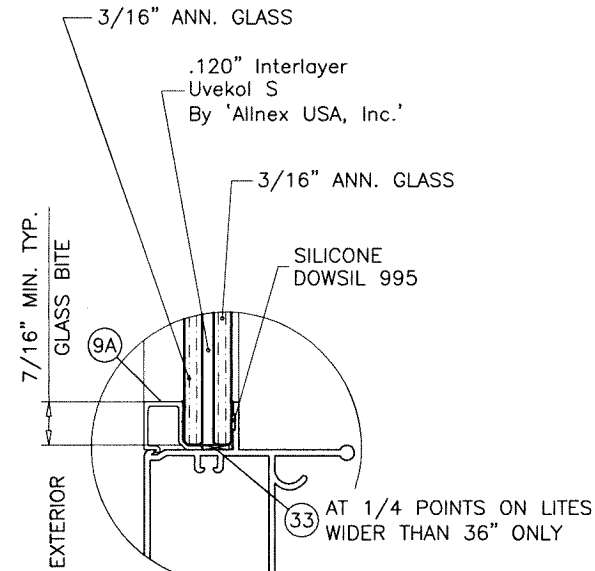
date: 06-29-15
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W15-28
sheet 2 of 7

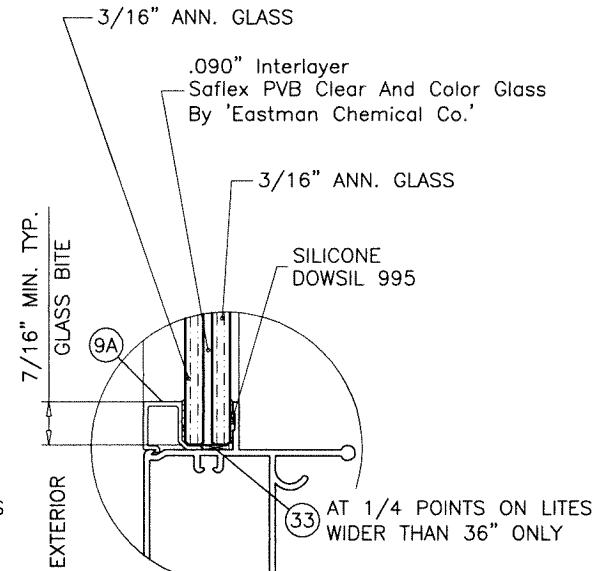
COMP-ANL W15-28TMM



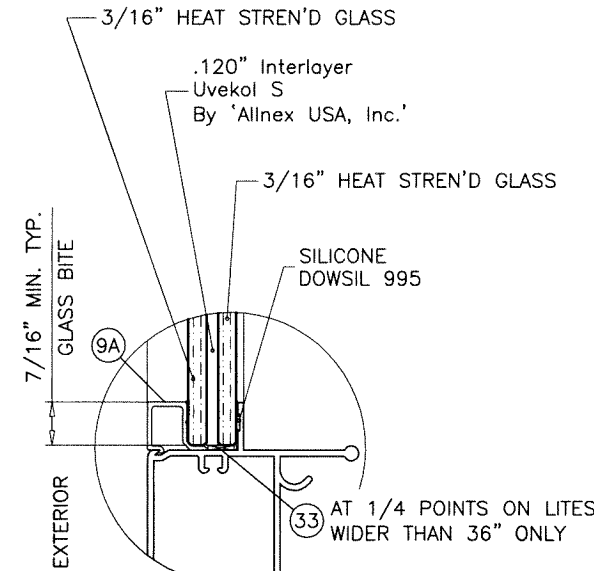
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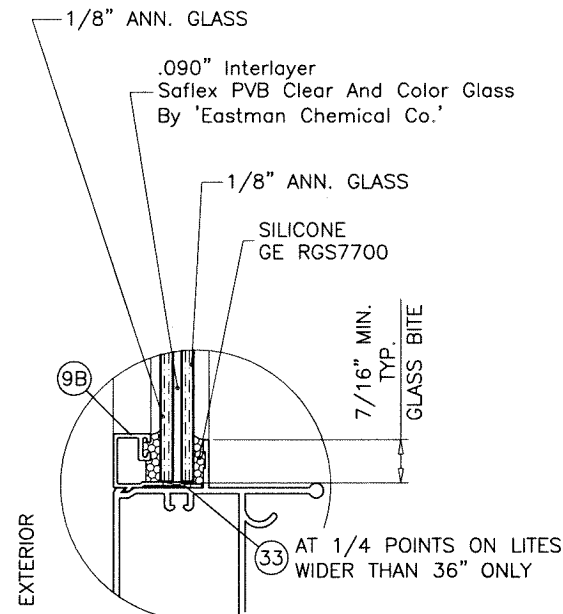
GLASS TYPE 'D'



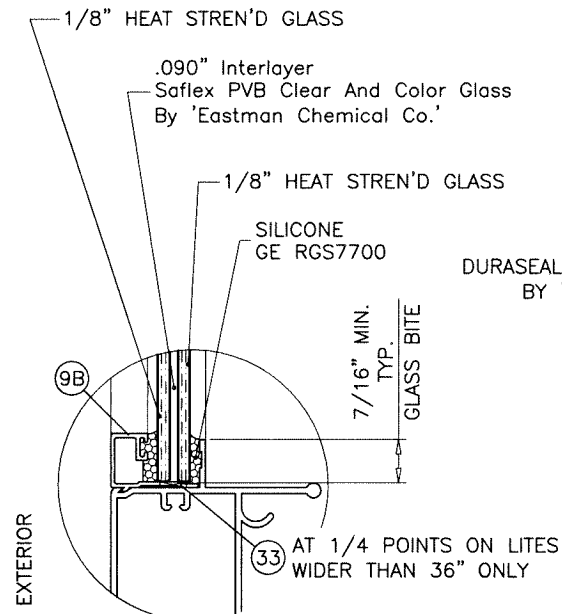
GLASS TYPE 'E'



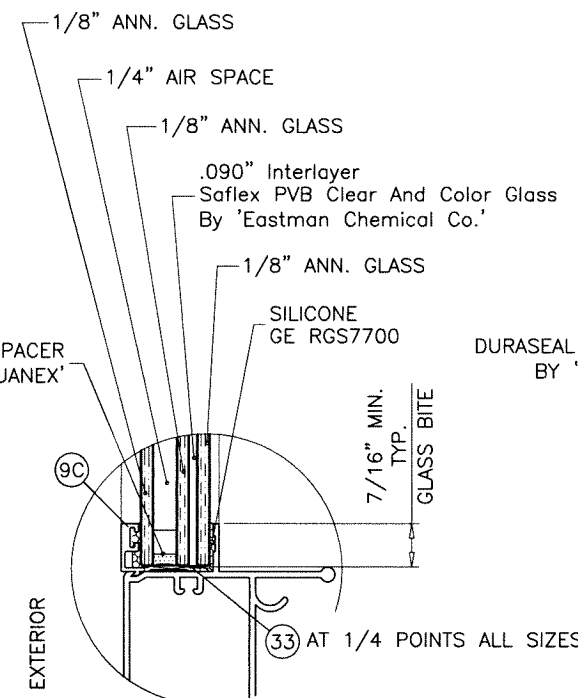
GLASS TYPE 'F'



GLASS TYPE 'G'

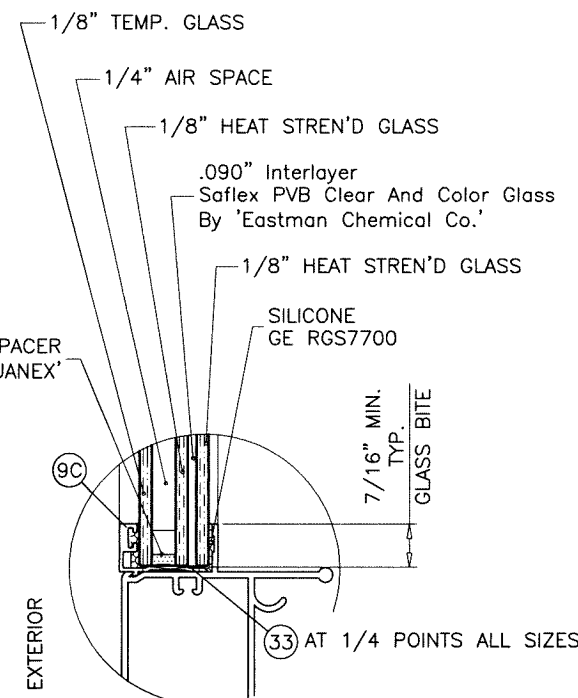


GLASS TYPE 'H'



GLASS TYPE 'I'

THIS GLASS TYPE ONLY FOR
LARGE MISSILE IMPACT USE.
NOT QUALIFIED FOR SMALL
MISSILE IMPACT AREAS.

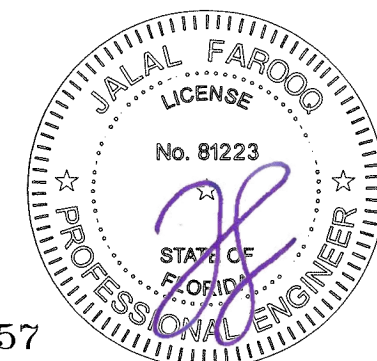


GLASS TYPE 'J'

GLAZING OPTIONS

Sealed: 9/29/2026

FL #21857



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W15-28TMM

Assura Windows & Doors, LLC.
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revisions:	
no	date by description

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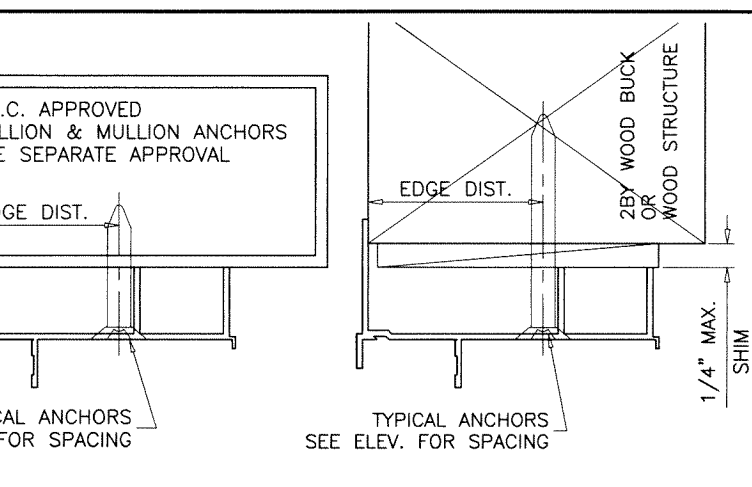
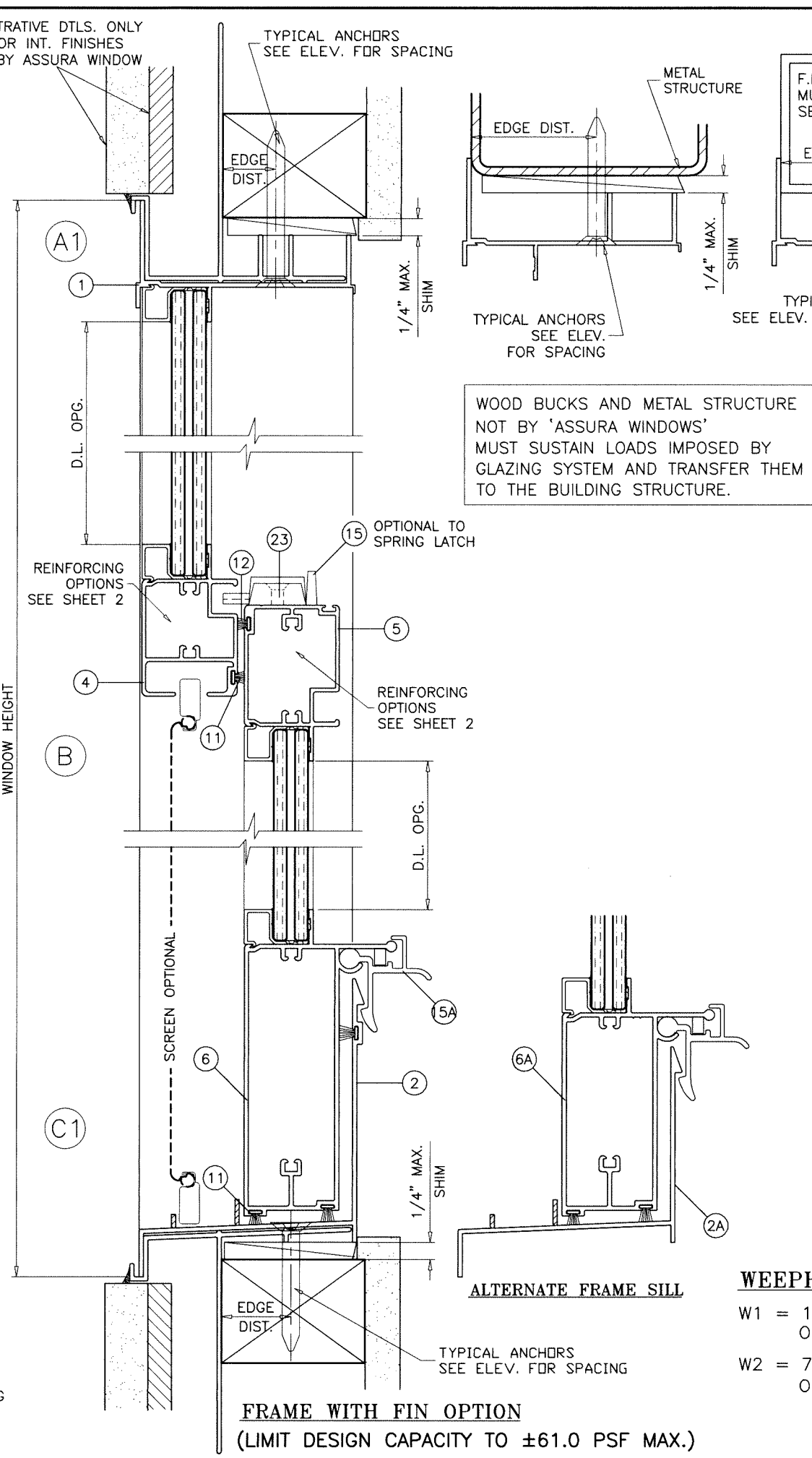
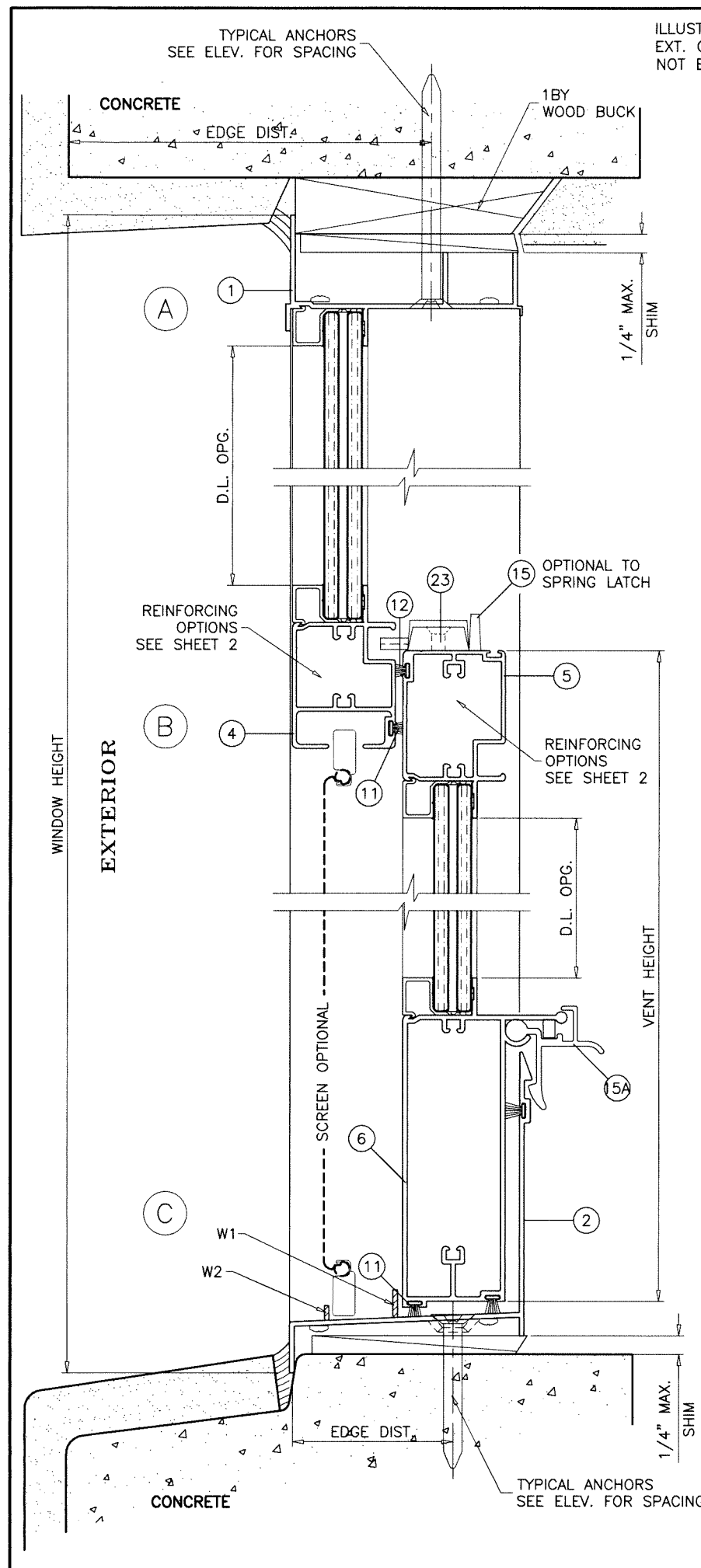
scale: 1/2" = 1"

dr. by: TARIQ

chk. by:

drawing no.
W15-28

sheet 3 of 7



TYPICAL ANCHORS: SEE ELEV. FOR SPACING
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/SILL/JAMBS)
 THRU 1BY BUCKS INTO CONC. OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/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)

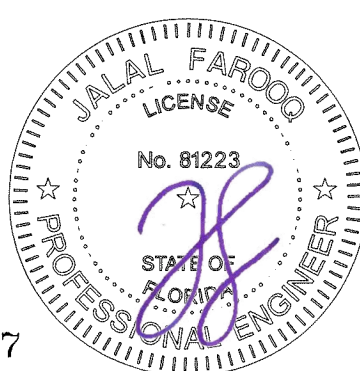
#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
 (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

#12 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO F.B.C. APPROVED MULLIONS
 (NO SHIM SPACE)
 (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 AND MASONRY = 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.

Sealed: 9/29/2026

WEEPHOLES:
 W1 = 1/2" LONG NOTCH AT EACH END OF INTERIOR LEG
 W2 = 7/8" LONG NOTCH AT EACH END OF EXTERIOR LEG

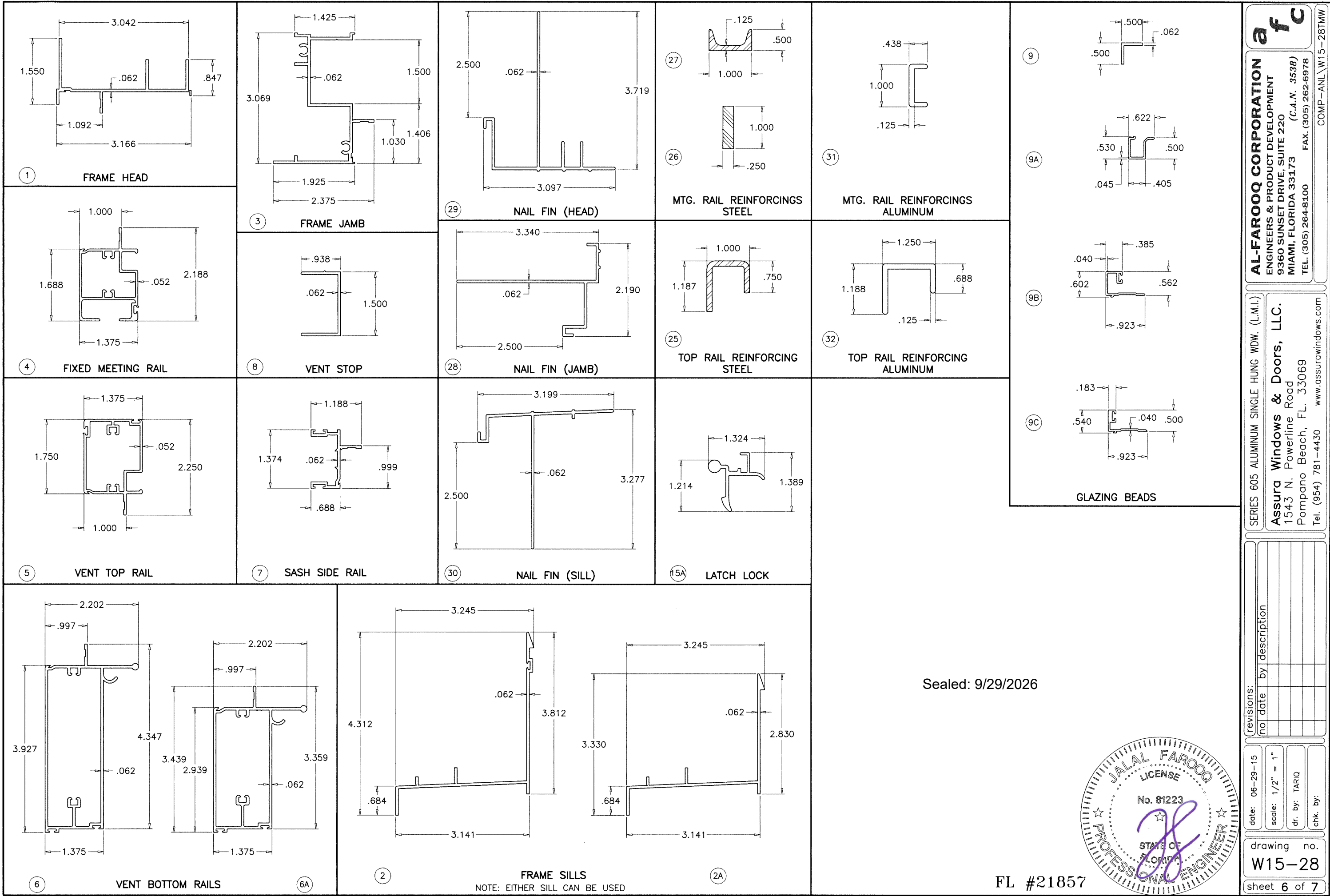


AL-FAROOQ CORPORATION
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 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
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 COMP-ANL W15-28TMW

SERIES 605 ALUMINUM SINGLE HUNG WDW. (L.M.I.)
Assura Windows & Doors, LLC.
 1543 N. Powerline Road
 Pompano Beach, FL. 33069
 Tel. (954) 781-4430 www.assurawindows.com

Revisions:	
no	by description

date: 06-29-15	scale: 1/2" = 1"	dr. by: TARIQ	chk. by:
drawing no. W15-28			
sheet 4 of 7			



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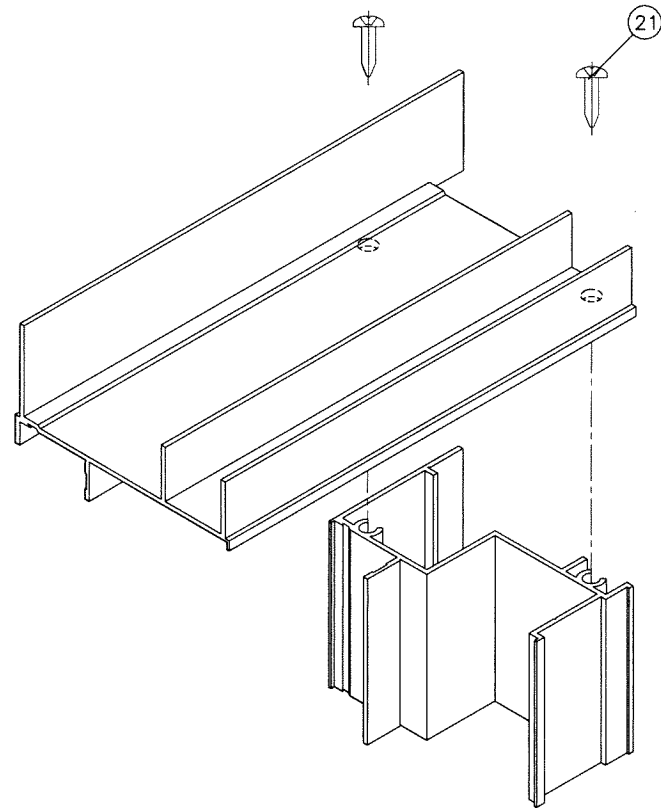
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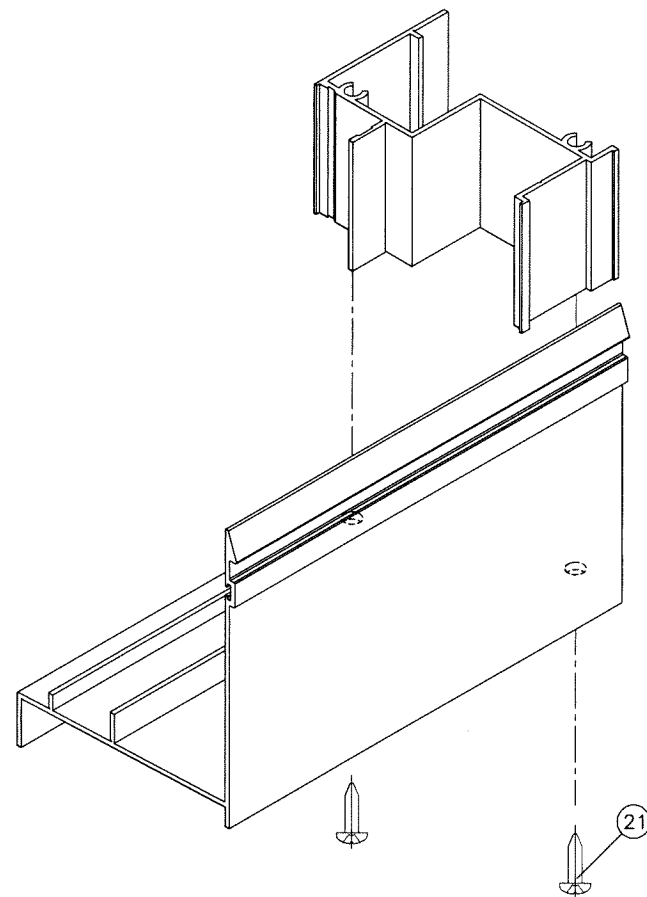
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drawing no.
W15-28

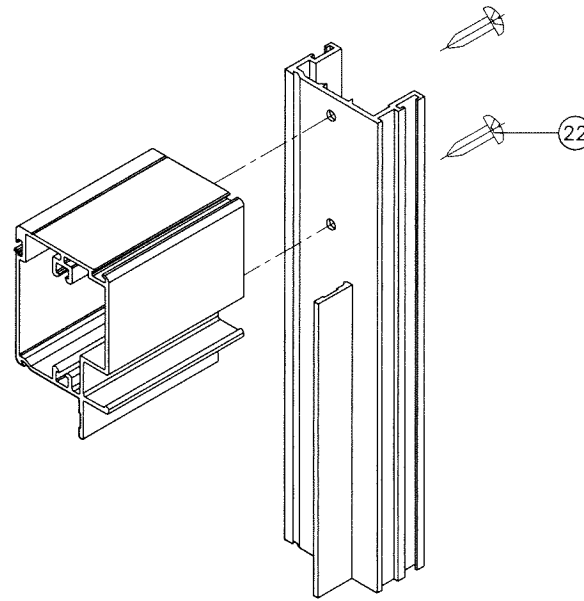
sheet 6 of 7



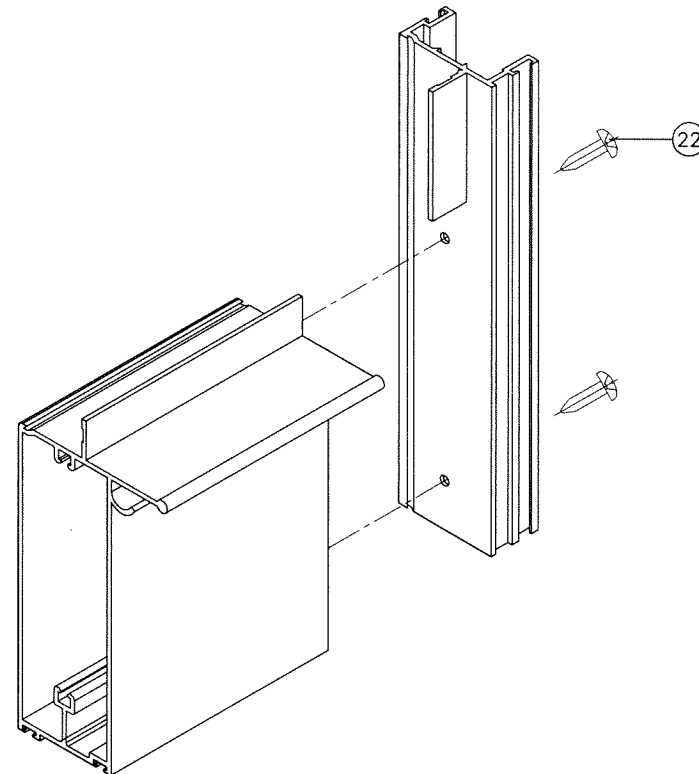
FRAME TOP CORNER



FRAME BOTTOM CORNER

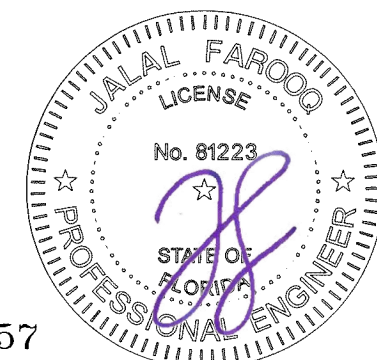


VENT TOP CORNER



VENT BOTTOM CORNER

Sealed: 9/29/2026



FL #21857

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chk. by:

revisions:	
no	date by description

drawing no.
W15-28

sheet 7 of 7

FL #21857