

DAYLITE OPENINGS:
D.L.O. HEIGHT = PANEL HEIGHT - 7.000"
D.L.O. WIDTH = PANEL WIDTH - 6.937"
PANEL HEIGHT = WINDOW FRAME HEIGHT - 1.375"

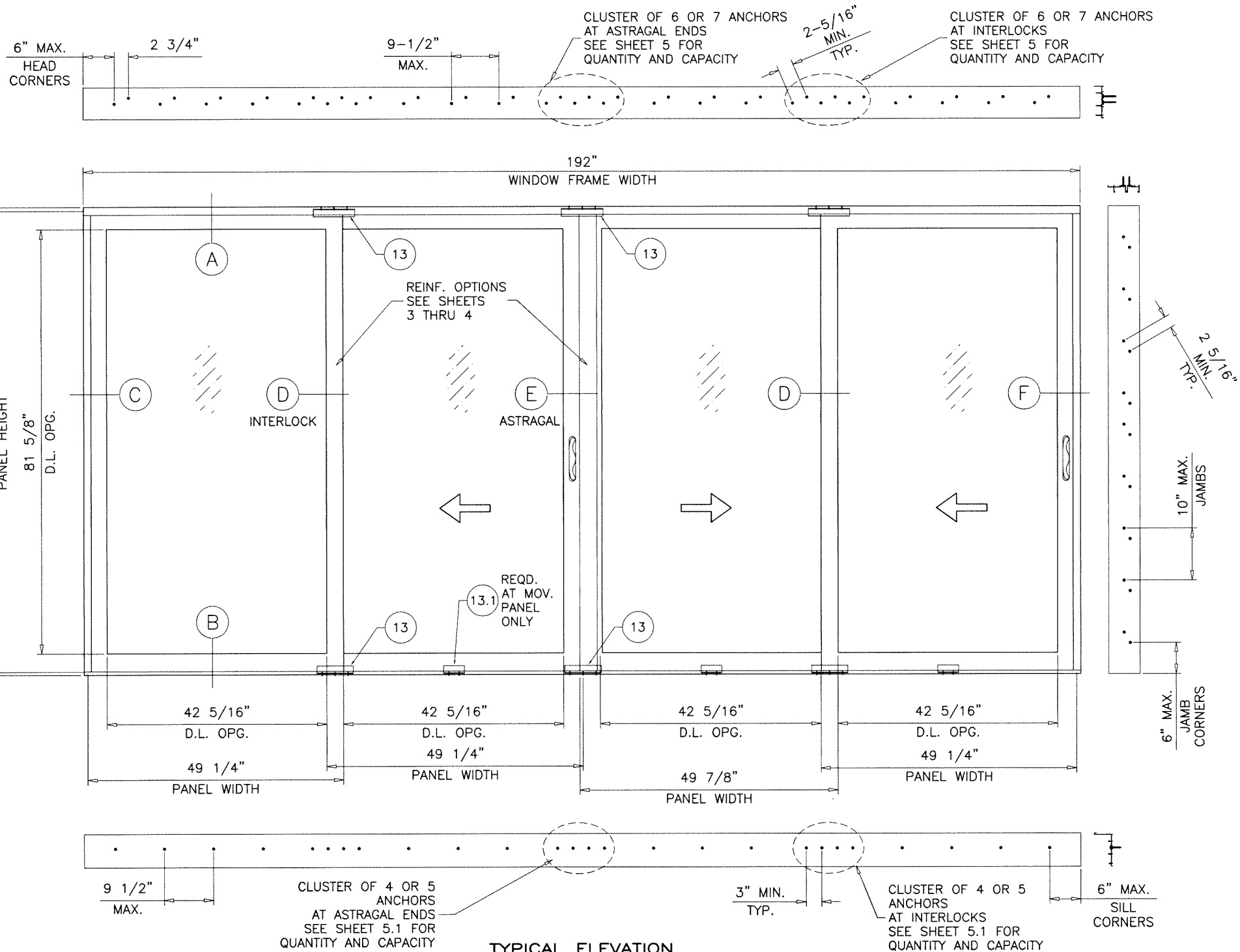
SERIES-6100 ALUMINUM SLIDING GLASS WINDOW

SEE SHEETS 3 THRU 4 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE BASED ON APPLICABLE GLASS TYPE AND REINFORCING OPTION.
USING CHART ON SHEETS 5 & 5.1 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOADS REQUIRED.
LOWER DESIGN PRESSURES FROM DESIGN LOAD CAPACITY (REINFORCING OPTION/GLASS TYPE) OR ANCHOR CHARTS WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 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 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.

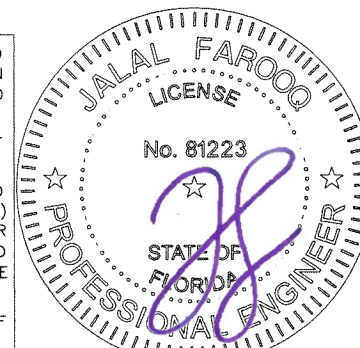


TYPICAL ELEVATION

Sealed: 10/21/2024

FL #47084

- 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
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TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\24-79F-ES

SERIES-6100 ALUM SLIDING GLASS WINDOW (S.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

no	date	by	description

date: 10-21-24

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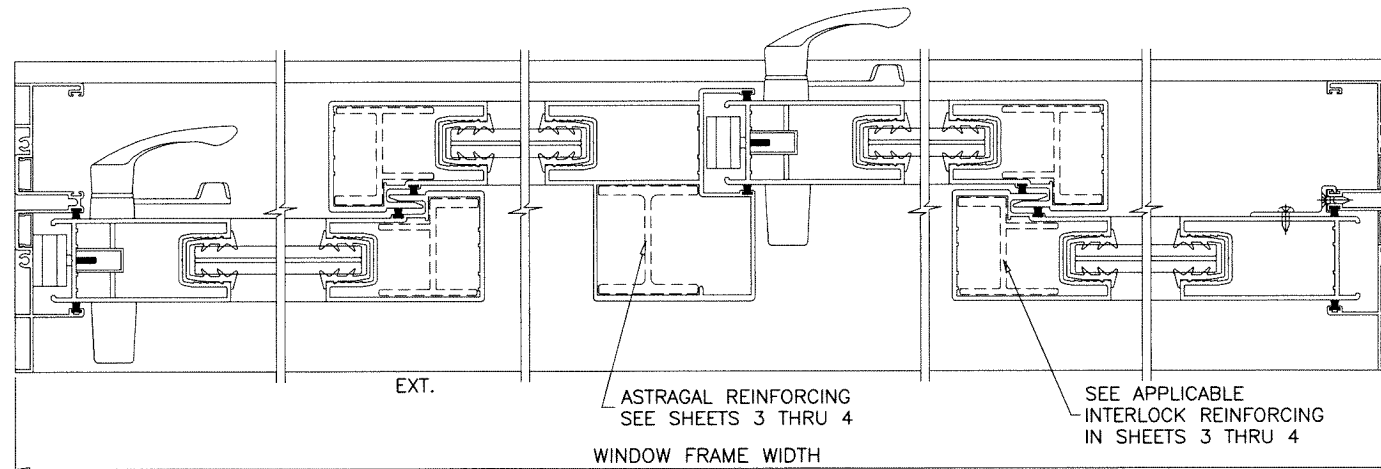
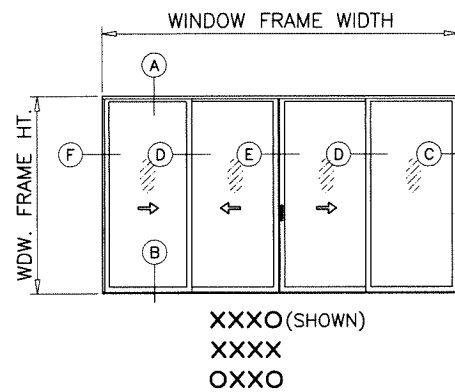
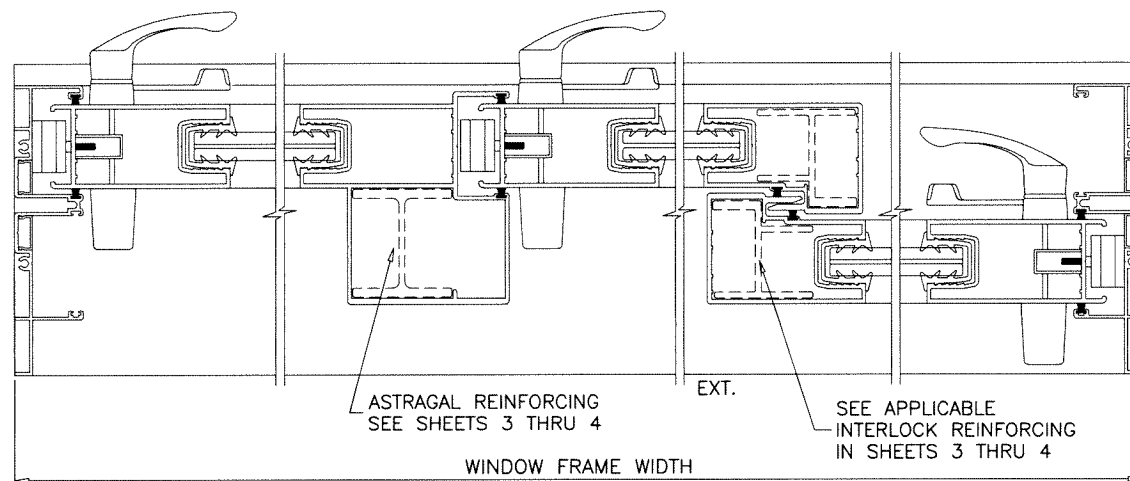
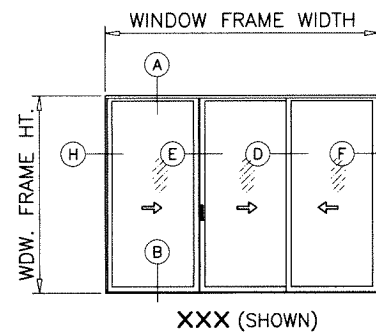
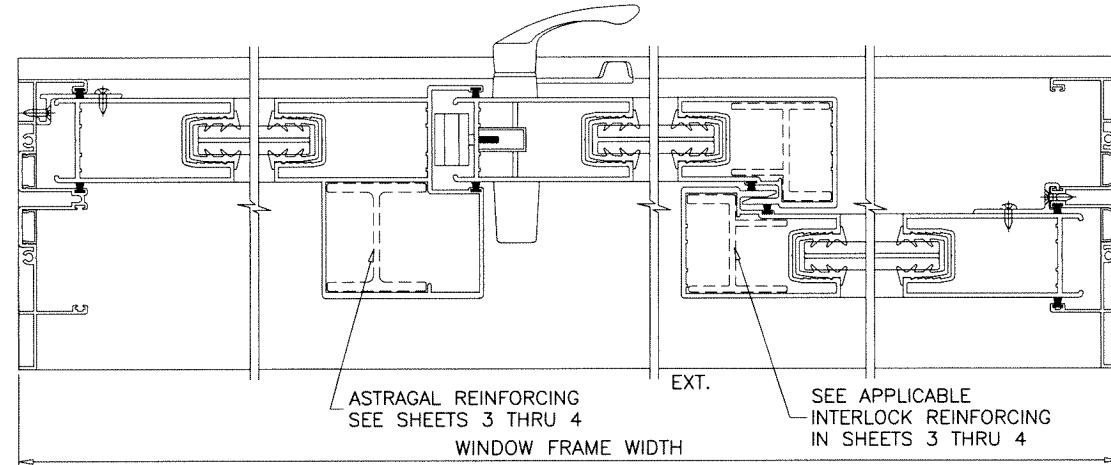
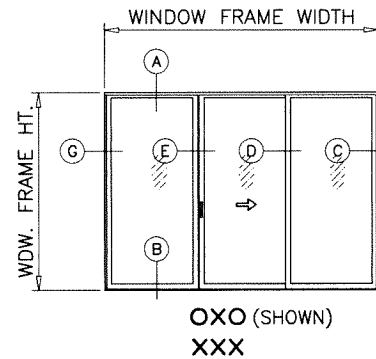
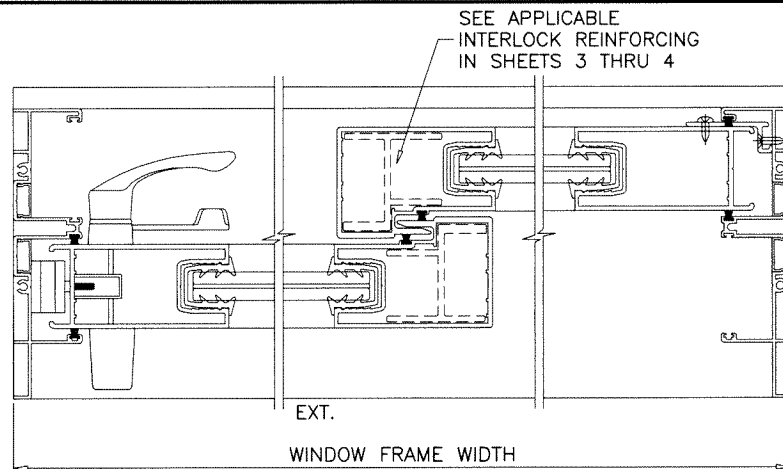
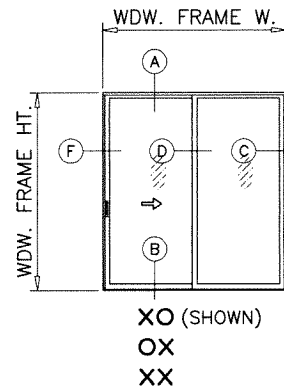
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chk. by:

drawing no.

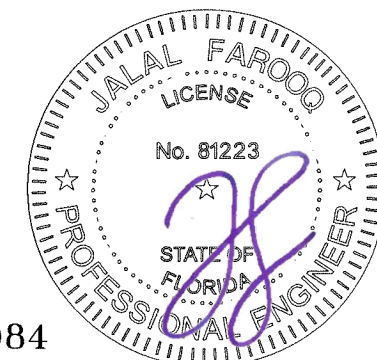
24-79F

sheet 1 of 12



NOTE:
CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSE
SEE APPLICABLE DESIGN PRESSURE & SIZE IN
SHEETS 3 THRU 4 AND ANCHOR INSTALLATION IN
SHEETS 5 & 5.1.

Sealed: 10/21/2024



APPROVED CONFIGURATIONS

FL #47084

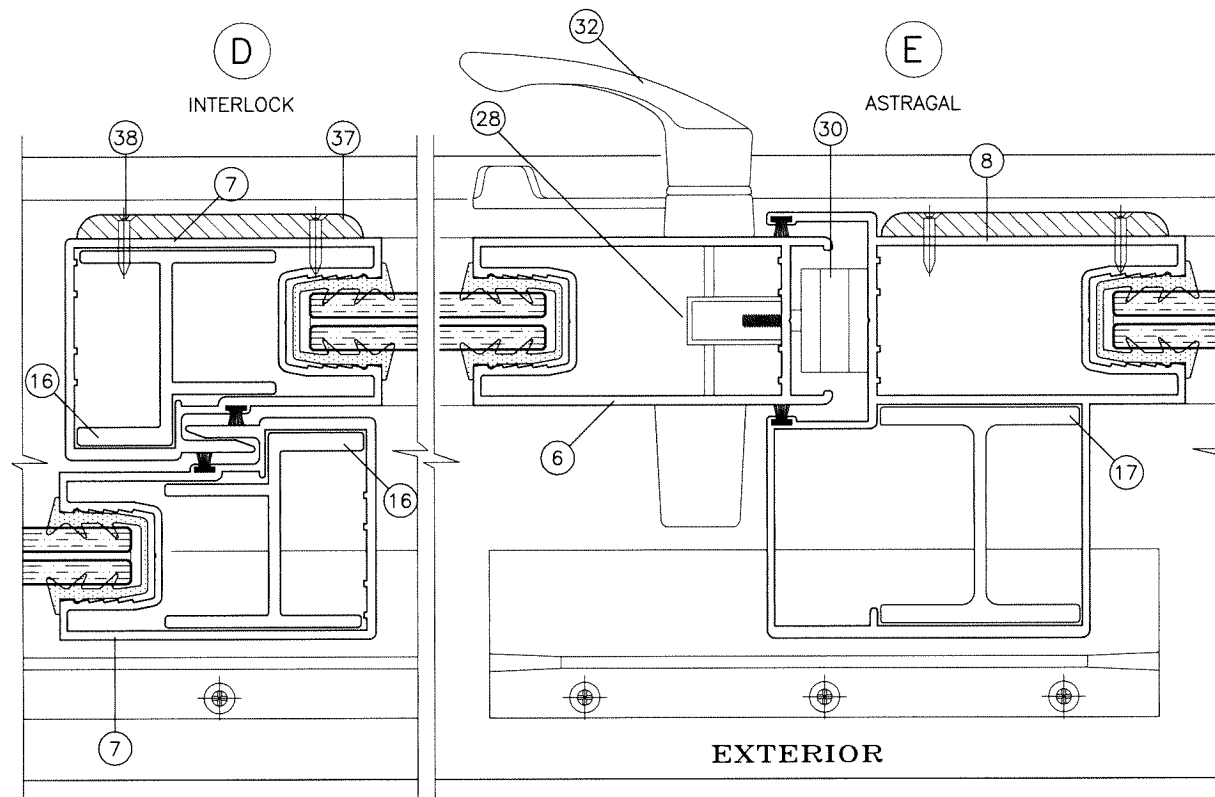
AL-FAROOQ CORPORATION
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Revisions:		date: 10-21-24		scale: --		dr. by: TARIQ		chk. by:	
no	date	no	date	no	date	no	date	no	date

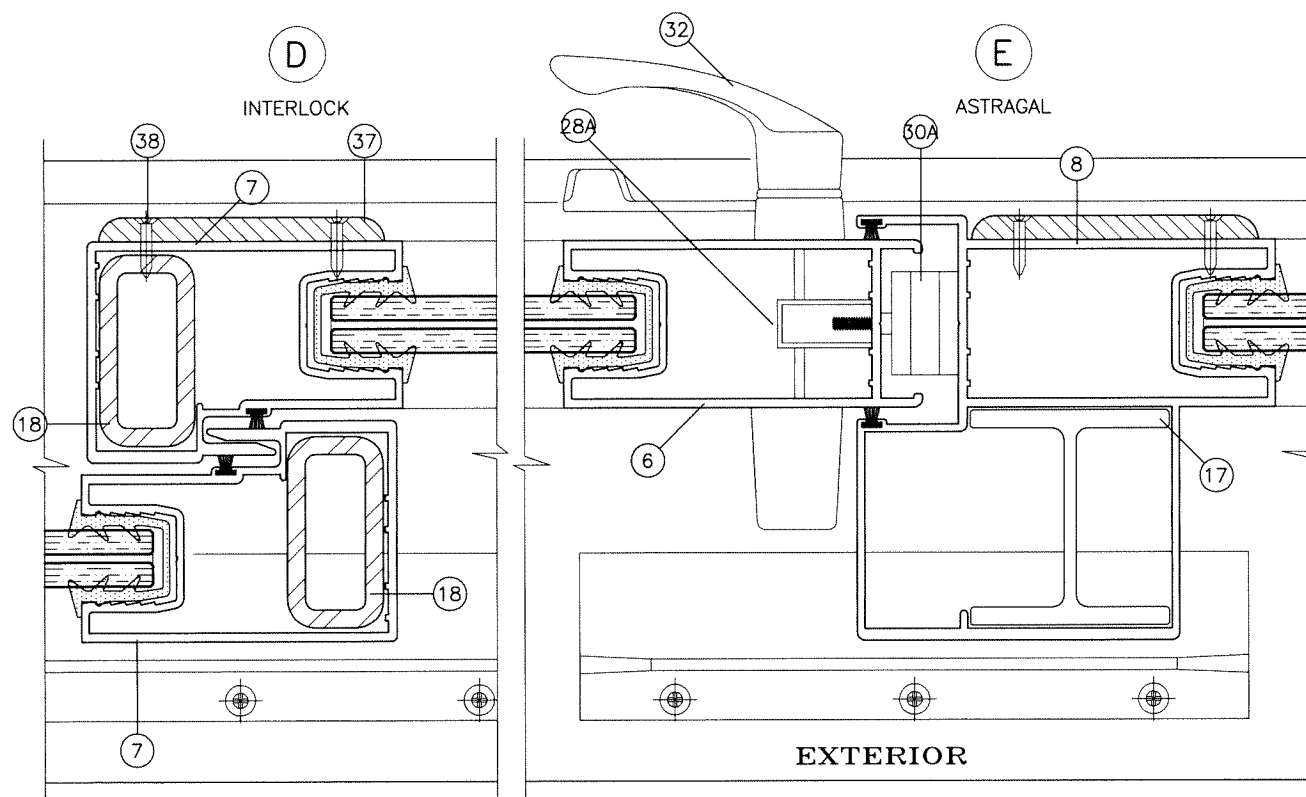
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24-79F
sheet 2 of 12

COMP-ANL 24-79F-ES



REINFORCING OPTION #1

ALUMINUM REINFORCING AT INTERLOCK
ALUMINUM REINFORCING AT ASTRAGAL



REINFORCING OPTION #2

STEEL REINFORCING AT INTERLOCK
ALUMINUM REINFORCING AT ASTRAGAL

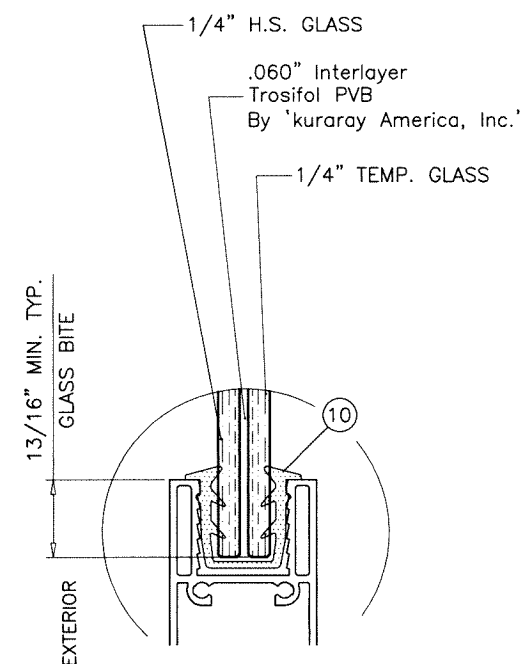
SEE CHART ON THIS SHEET FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE AND REINFORCING TYPES.

SEE CHART ON SHEET 5 FOR HEAD ANCHOR CAPACITY.
SEE CHART ON SHEET 5.1 FOR SILL ANCHOR CAPACITY.

LOWER DESIGN PRESSURES FROM DESIGN LOAD CHART, HEAD ANCHOR CHART OR SILL ANCHOR CHART WILL APPLY TO ENTIRE SYSTEM.

DESIGN LOAD CAPACITY - PSF PVB LAMINATED GLASS TYPE 'A' ALL CONFIGURATIONS SHOWN ON SHEET 2					
PANEL WIDTH NOMINAL INCHES	WINDOW FRAME HEIGHT INCHES	REINF. OPTION #1		REINF. OPTION #2	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
36	82	85.0	140.0	85.0	110.0
40		85.0	140.0	85.0	110.0
44		85.0	140.0	85.0	110.0
48		85.0	140.0	85.0	110.0
50		85.0	134.4	81.6	105.6
53		81.6	126.8	77.0	99.6
56		72.9	120.0	72.9	94.3
60		68.0	112.0	68.0	88.0
36	90	85.0	140.0	85.0	110.0
40		85.0	136.4	85.0	110.0
44		85.0	127.4	85.0	110.0
48		85.0	120.0	85.0	110.0
50		85.0	96.0	81.6	105.6
53		85.0	90.5	77.0	99.6
56		85.0	85.7	72.9	94.3
60		80.0	80.0	68.0	88.0

NOMINAL PANEL WIDTH = WINDOW FRAME WIDTH
NUMBER OF PANELS



GLASS TYPE 'A' (DRY GLAZED) GLAZING DETAIL

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

Sealed: 10/21/2024

FL #47084



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COMP-ANL 24-79F-ES

SERIES-6100 ALUM SLIDING GLASS WINDOW (S.M.I.)

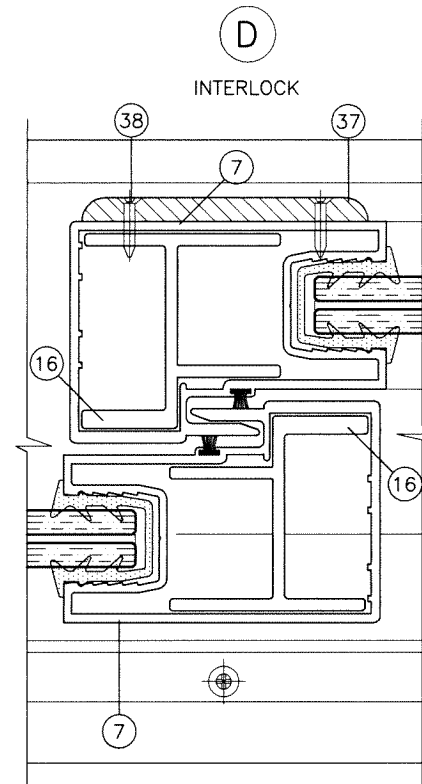
E.S. WINDOWS, LLC
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revisions:

no	date	by	description

date: 10-21-24
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
24-79F
sheet 3 of 12

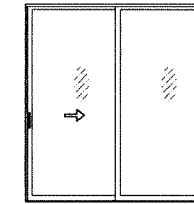


REINFORCING OPTION #1
ALUMINUM REINFORCING AT INTERLOCK

SEE CHART ON THIS SHEET FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE AND REINFORCING TYPES.

SEE CHART ON SHEET 5 FOR HEAD ANCHOR CAPACITY.
SEE CHART ON SHEET 5.1 FOR SILL ANCHOR CAPACITY.

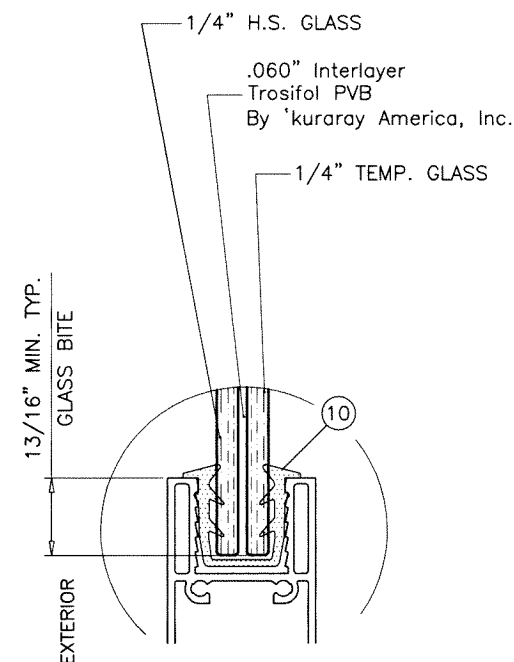
LOWER DESIGN PRESSURES FROM DESIGN LOAD CHART, HEAD ANCHOR CHART OR SILL ANCHOR CHART WILL APPLY TO ENTIRE SYSTEM.



'XO' OR 'OX' DOORS ONLY

DESIGN LOAD CAPACITY - PSF PVB LAMINATED GLASS TYPE 'A' 'XO' OR 'OX' CONFIGURATIONS ONLY			
PANEL WIDTH NOMINAL INCHES	WINDOW FRAME HEIGHT INCHES	REINF. OPTION #1	
		EXT. (+)	INT. (-)
36	82	110.0	110.0
40		110.0	110.0
44		110.0	110.0
48		110.0	110.0
50		105.6	105.6
53		99.6	99.6
56		94.3	94.3
60		88.0	88.0
36	84	110.0	110.0
40		110.0	110.0
44		110.0	110.0
48		110.0	110.0
50		105.6	105.6
53		99.6	99.6
56		94.3	94.3
60		88.0	88.0
36	90	110.0	110.0
40		110.0	110.0
44		110.0	110.0
48		110.0	110.0
50		105.6	105.6
53		99.6	99.6
56		94.3	94.3

NOMINAL PANEL WIDTH = WINDOW FRAME WIDTH
NUMBER OF PANELS

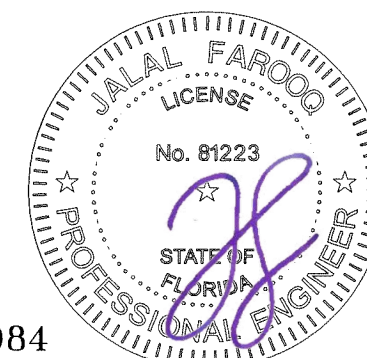


GLASS TYPE 'A' (DRY GLAZED)
GLAZING DETAIL

NOTE:
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FL #47084

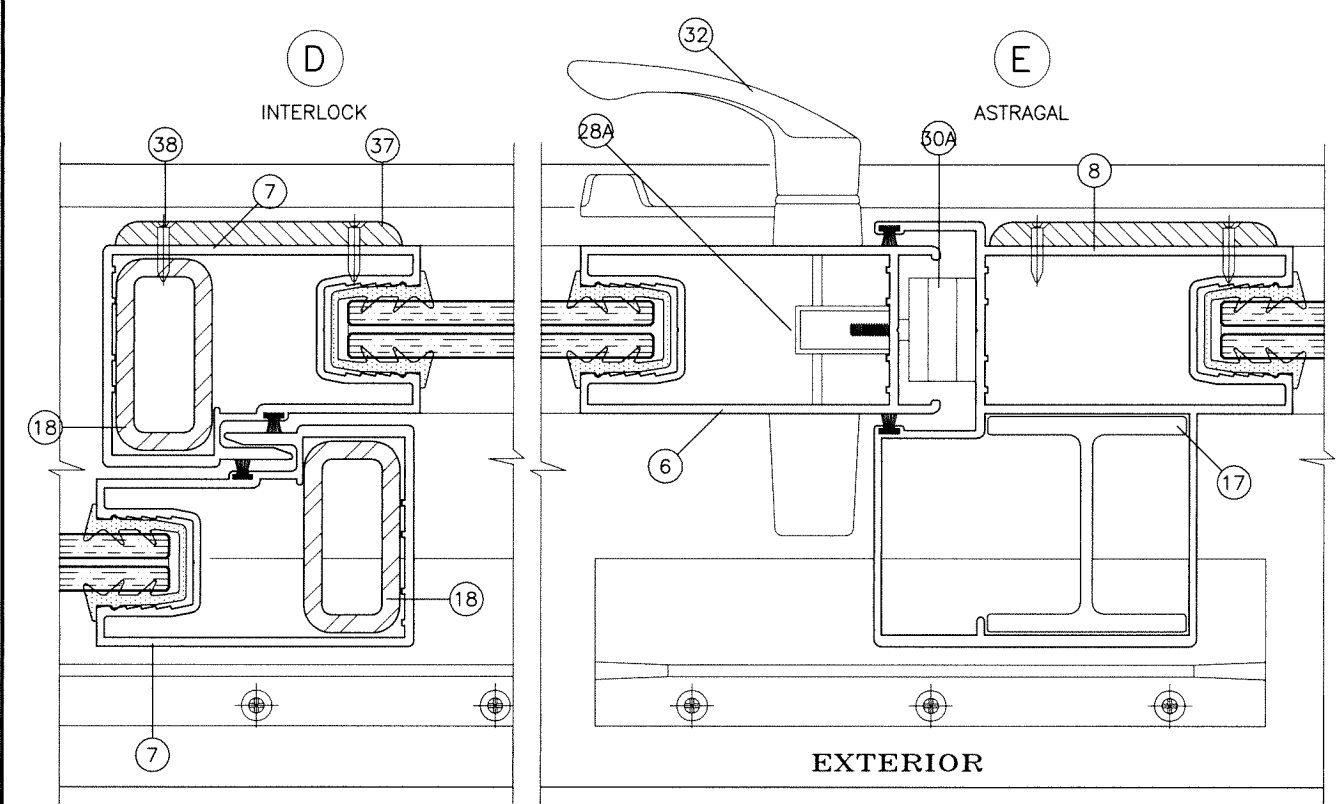


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sheet 3.1 of 12	

COMP-ANL 24-79F-ES

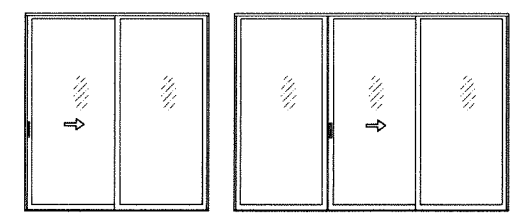


REINFORCING OPTION #2
 STEEL REINFORCING AT INTERLOCK
 ALUMINUM REINFORCING AT ASTRAGAL

SEE CHART ON THIS SHEET FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE AND REINFORCING TYPES.

SEE CHART ON SHEET 5 FOR HEAD ANCHOR CAPACITY. SEE CHART ON SHEET 5.1 FOR SILL ANCHOR CAPACITY.

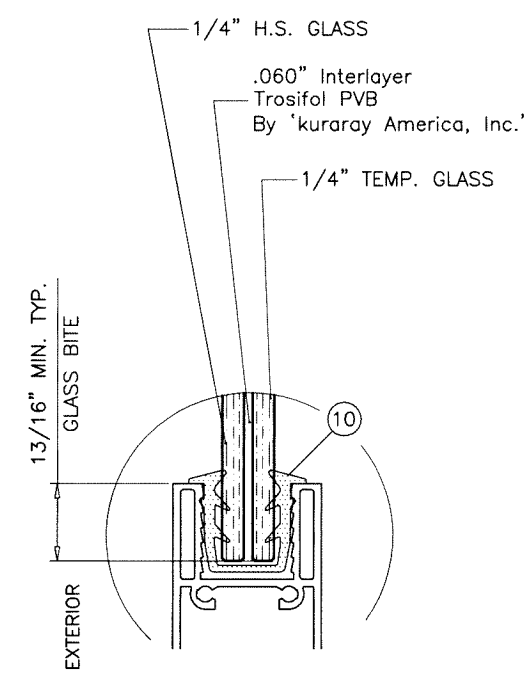
LOWER DESIGN PRESSURES FROM DESIGN LOAD CHART, HEAD ANCHOR CHART OR SILL ANCHOR CHART WILL APPLY TO ENTIRE SYSTEM.



APPROVED CONFIGURATIONS

DESIGN LOAD CAPACITY - PSF PVB LAMINATED GLASS TYPE 'A' 'XO', 'OX' OR 'OXO' CONFIGURATIONS ONLY			
PANEL WIDTH NOMINAL INCHES	WINDOW FRAME HEIGHT INCHES	REINF. OPTION #2	
		EXT. (+)	INT. (-)
36	82	85.0	123.0
40		85.0	123.0
44		85.0	115.7
48		85.0	110.0
50		81.6	105.6
53		77.0	99.6
56		72.9	94.3
60		68.0	88.0
36	90	85.0	123.0
40		85.0	123.0
44		85.0	115.7
48		85.0	110.0
50		81.6	105.6
53		77.0	99.6
56		72.9	94.3
60		68.0	88.0

NOMINAL PANEL WIDTH = $\frac{\text{WINDOW FRAME WIDTH}}{\text{NUMBER OF PANELS}}$



GLASS TYPE 'A' (DRY GLAZED)
GLAZING DETAIL

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

Sealed: 10/21/2024

FL #47084



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revisions:	
no	date by description

date: 10-21-24

scale: 1/2" = 1"

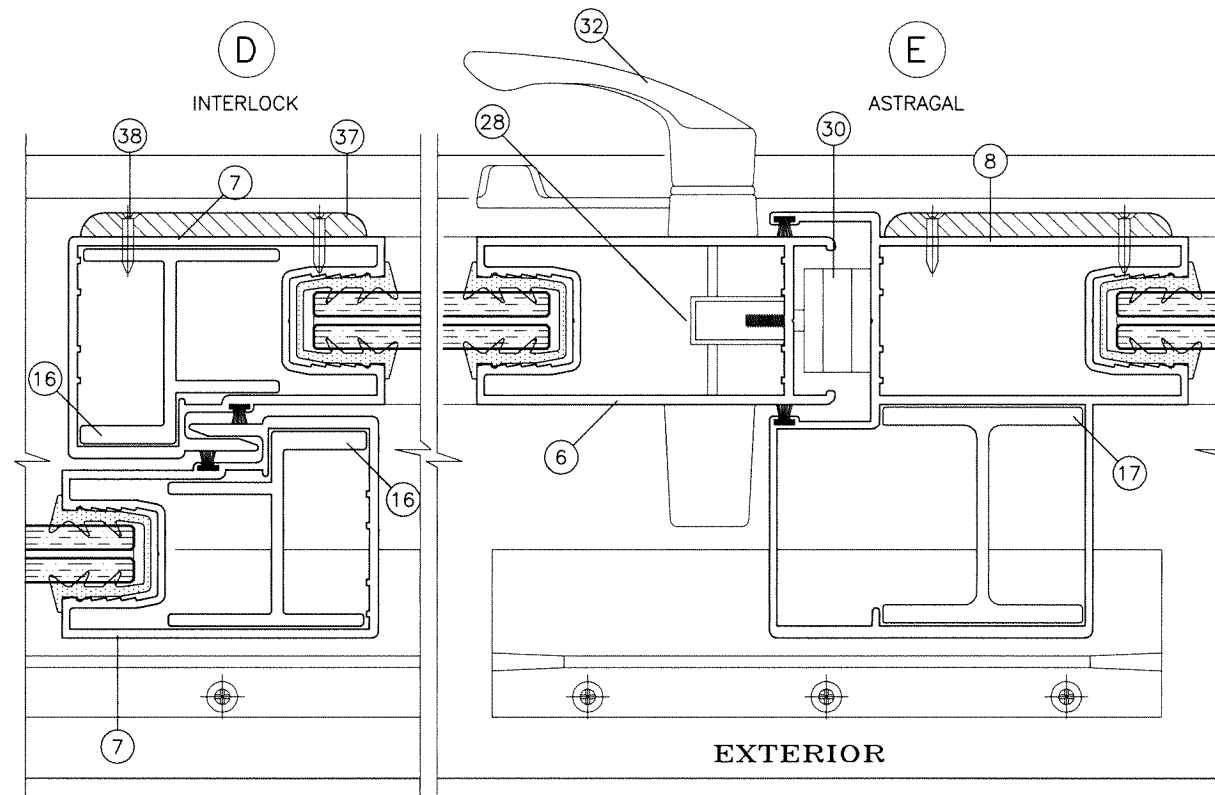
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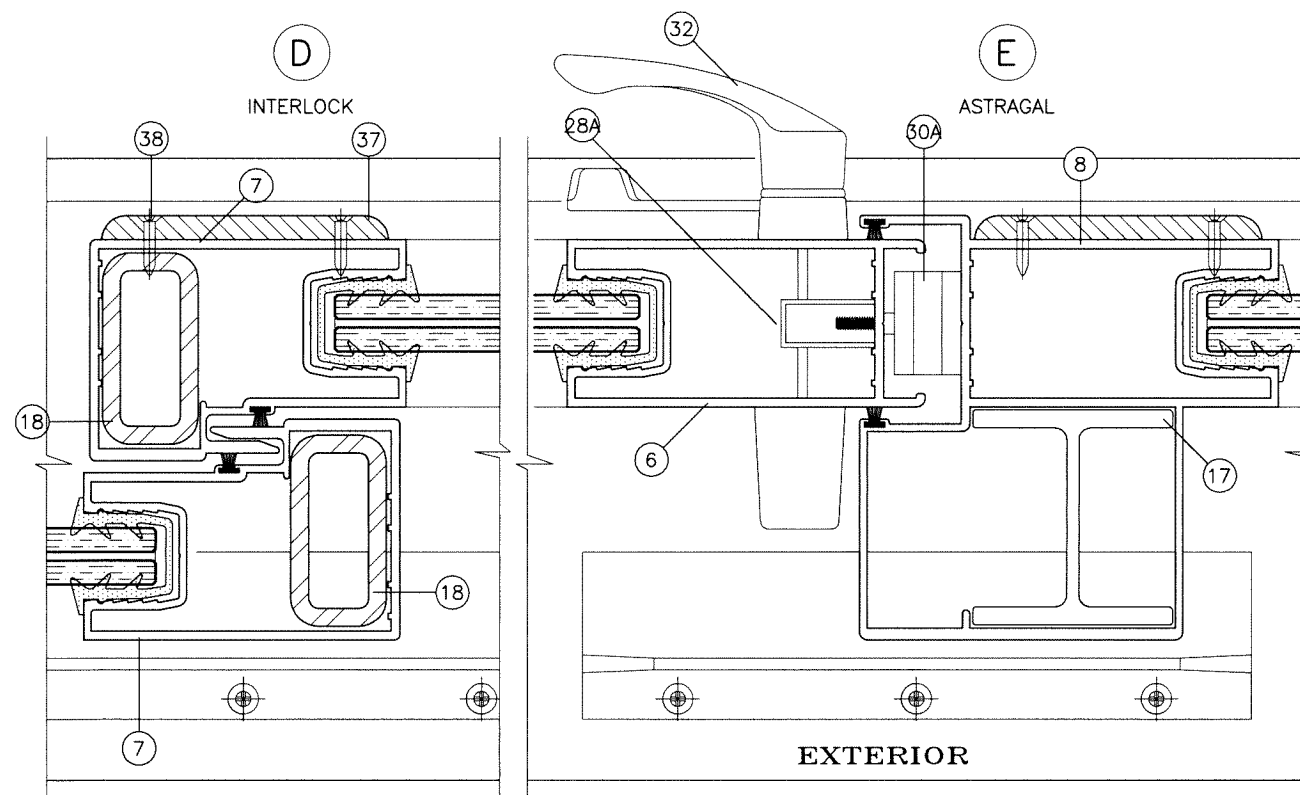
sheet **3.2** of 12

COMP-ANL\24-79F-ES



REINFORCING OPTION #1

ALUMINUM REINFORCING AT INTERLOCK
ALUMINUM REINFORCING AT ASTRAGAL



REINFORCING OPTION #2

STEEL REINFORCING AT INTERLOCK
ALUMINUM REINFORCING AT ASTRAGAL

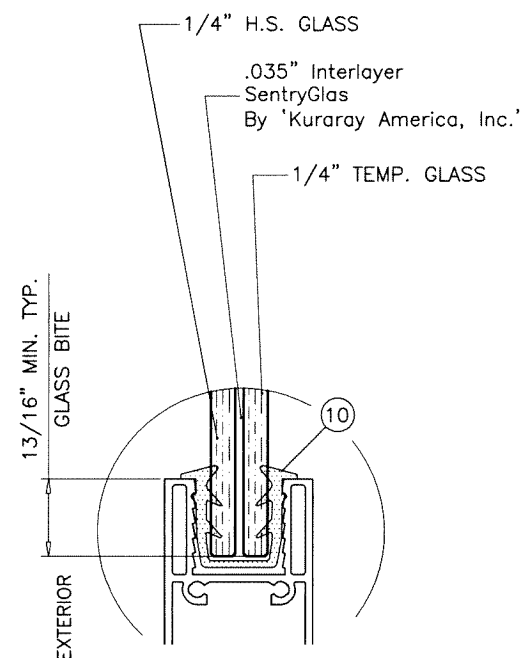
SEE CHART ON THIS SHEET FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE AND REINFORCING TYPES.

SEE CHART ON SHEET 5 FOR HEAD ANCHOR CAPACITY.
SEE CHART ON SHEET 5.1 FOR SILL ANCHOR CAPACITY.

LOWER DESIGN PRESSURES FROM DESIGN LOAD CHART, HEAD ANCHOR CHART OR SILL ANCHOR CHART WILL APPLY TO ENTIRE SYSTEM.

DESIGN LOAD CAPACITY - PSF SENTRYGLAS LAMINATED GLASS TYPE 'A1' ALL CONFIGURATIONS SHOWN ON SHEET 2					
PANEL WIDTH NOMINAL INCHES	WINDOW FRAME HEIGHT INCHES	REINF. OPTION #1		REINF. OPTION #2	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
36	82	85.0	100.0	85.0	140.0
40		85.0	100.0	85.0	140.0
44		85.0	100.0	85.0	140.0
48		85.0	100.0	85.0	140.0
50		85.0	96.0	85.0	134.4
53		85.0	90.5	85.0	126.8
56		85.0	85.7	85.0	120.0
60		80.0	80.0	85.0	112.0
36	90	85.0	100.0	85.0	140.0
40		85.0	100.0	85.0	140.0
44		85.0	100.0	85.0	140.0
48		85.0	100.0	85.0	137.3
50		85.0	96.0	85.0	105.6
53		85.0	90.5	85.0	99.6
56		85.0	85.7	85.0	94.3
60		85.0	80.0	85.0	88.0

$$\text{NOMINAL PANEL WIDTH} = \frac{\text{WINDOW FRAME WIDTH}}{\text{NUMBER OF PANELS}}$$



GLASS TYPE 'A1' (DRY GLAZED) GLAZING DETAIL

NOTE:
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dr. by: TARIQ
chk. by:

drawing no.
24-79F
sheet 4 of 12

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
1-1/2" MIN. EMBED INTO CONCRETE

TYPE 'B'— 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
DIRECTLY INTO CONCRETE
1-1/2" MIN. EMBED

TYPE 'C'— #14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
INTO F.B.C. APPROVED MULLIONS
OR
INTO METAL STRUCTURES
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
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)

AT SILL

TYPE 'B'— 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
DIRECTLY INTO CONCRETE
1-3/4" 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'— #14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
INTO F.B.C. APPROVED MULLIONS
OR
INTO METAL STRUCTURES
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
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 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

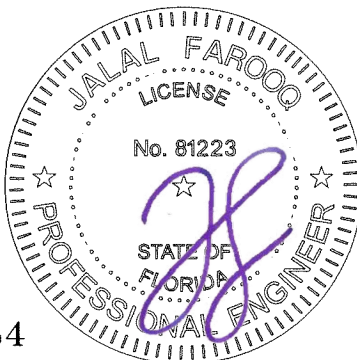
HEAD ANCHOR LOAD CAPACITY - PSF					
PANEL WIDTH NOMINAL INCHES	WDW. FRAME HEIGHT INCHES	ANCHOR TYPE 'A'		ANCHOR 'B'	ANCHOR 'C'
		6 ANCHORS AT MTG. STILE ENDS	7 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	82	140.0	140.0	140.0	140.0
36		140.0	140.0	140.0	140.0
40		140.0	140.0	140.0	140.0
42		140.0	140.0	140.0	140.0
44		140.0	140.0	140.0	140.0
48		140.0	140.0	140.0	140.0
50		140.0	140.0	140.0	140.0
53		140.0	140.0	140.0	140.0
56		134.4	140.0	140.0	140.0
60		132.4	140.0	140.0	140.0
30	84	140.0	140.0	140.0	140.0
36		140.0	140.0	140.0	140.0
40		140.0	140.0	140.0	140.0
42		140.0	140.0	140.0	140.0
44		140.0	140.0	140.0	140.0
48		140.0	140.0	140.0	140.0
50		140.0	140.0	140.0	140.0
53		135.5	140.0	140.0	140.0
56		131.7	140.0	140.0	140.0
60		127.5	140.0	140.0	140.0
30	90	140.0	140.0	140.0	140.0
36		140.0	140.0	140.0	140.0
40		140.0	140.0	140.0	140.0
42		140.0	140.0	140.0	140.0
44		138.0	140.0	140.0	140.0
48		130.4	140.0	140.0	140.0
50		127.1	140.0	140.0	140.0
53		122.7	140.0	140.0	140.0
56		118.9	138.8	140.0	140.0
60		114.7	133.8	140.0	140.0

NOMINAL PANEL WIDTH = WINDOW FRAME WIDTH / NUMBER OF PANELS

SEE CHART ON SHEETS 3 THRU 5 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE AND REINFORCING TYPES.

SEE CHART ABOVE FOR HEAD ANCHOR CAPACITY.
SEE CHART ON SHEET 5.1 FOR SILL ANCHOR CAPACITY.

LOWER DESIGN PRESSURES FROM DESIGN LOAD CHART, HEAD ANCHOR CHART OR SILL ANCHOR CHART WILL APPLY TO ENTIRE SYSTEM.



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FL #47084

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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-6100 ALUM SLIDING GLASS WINDOW (S.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

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24-79F

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SILL ANCHOR LOAD CAPACITY - PSF			
PANEL WIDTH NOMINAL INCHES	WDW. FRAME HEIGHT INCHES	ANCHOR TYPE 'B'	
		4 ANCHORS AT MTG. STILE ENDS	5 ANCHORS AT MTG. STILE ENDS
		EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	82	140.0	140.0
36		140.0	140.0
40		140.0	140.0
42		140.0	140.0
44		140.0	140.0
48		140.0	140.0
50		140.0	140.0
53		140.0	140.0
56	84	140.0	140.0
60		140.0	140.0
30		140.0	140.0
36		140.0	140.0
40		140.0	140.0
42		140.0	140.0
44		140.0	140.0
48		140.0	140.0
50		140.0	140.0
53		140.0	140.0
56	90	140.0	140.0
60		138.7	140.0
30		140.0	140.0
36		140.0	140.0
40		140.0	140.0
42		140.0	140.0
44		140.0	140.0
48		140.0	140.0
50		138.2	140.0
53		133.5	140.0
56		129.4	140.0
60		124.8	140.0

NOMINAL PANEL WIDTH = $\frac{\text{WINDOW FRAME WIDTH}}{\text{NUMBER OF PANELS}}$

SEE CHART ON SHEETS 3 THRU 5 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE AND REINFORCING TYPES.

SEE CHART ABOVE FOR SILL ANCHOR CAPACITY.

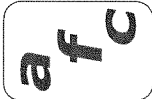
SEE CHART ON SHEET 5 FOR HEAD ANCHOR CAPACITY.

LOWER DESIGN PRESSURES FROM DESIGN LOAD CHART, HEAD ANCHOR CHART OR SILL ANCHOR CHART WILL APPLY TO ENTIRE SYSTEM.



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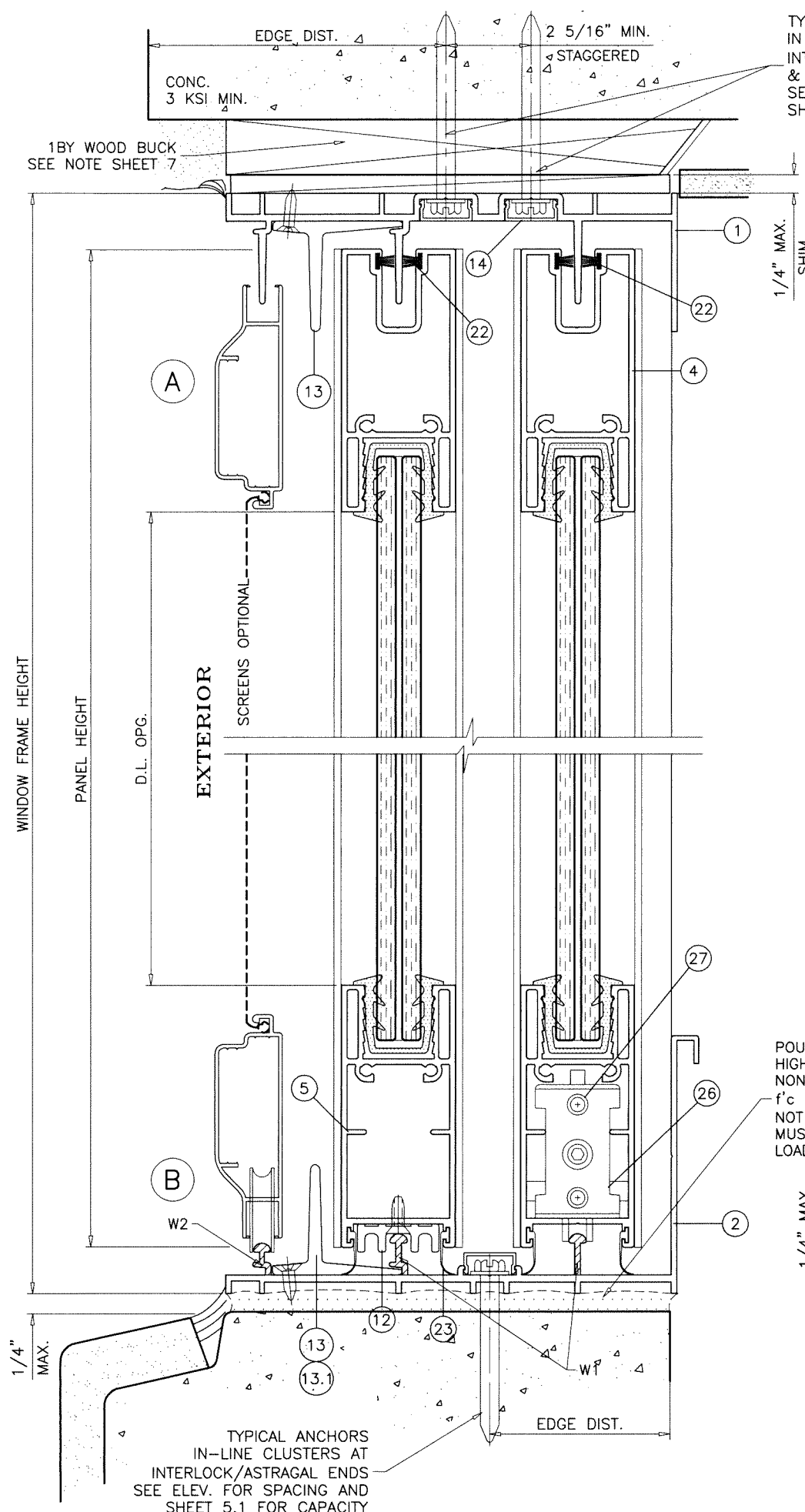
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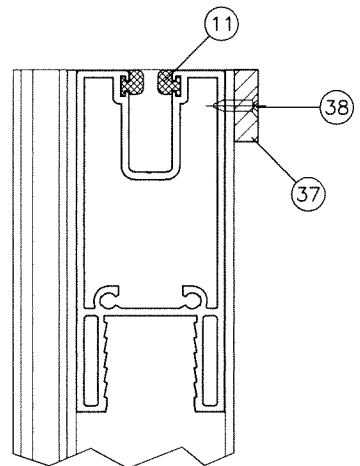
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chk. by:

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24-79F
sheet 5.1 of 12

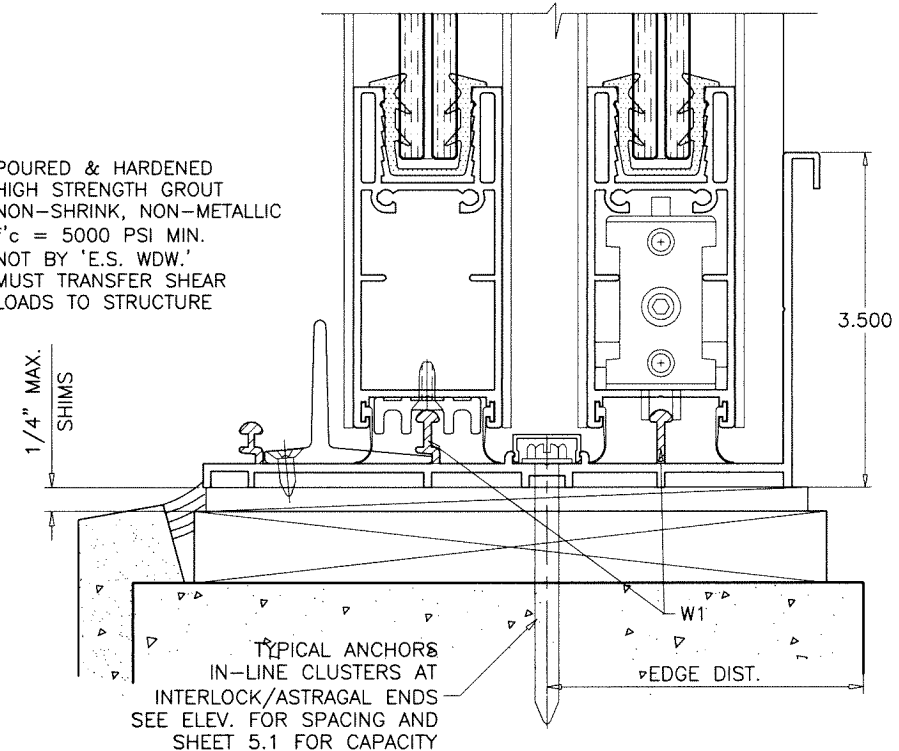
COMP-ANL\24-79F-ES



TYPICAL ANCHORS
IN STAGGERED CLUSTERS AT
INTERLOCK/ASTRAGAL ENDS
& IN PAIRS AT FRAME
SEE ELEV. FOR SPACING AND
SHEET 5 FOR CAPACITY



POURED & HARDENED
HIGH STRENGTH GROUT
NON-SHRINK, NON-METALLIC
f'c = 5000 PSI MIN.
NOT BY 'E.S. WDW.'
MUST TRANSFER SHEAR
LOADS TO STRUCTURE



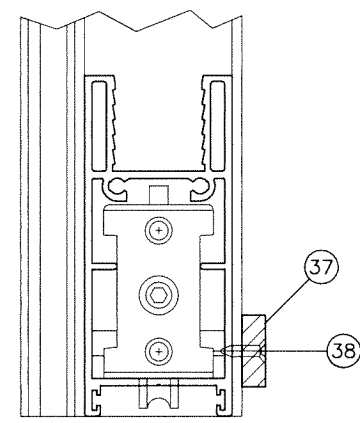
TYPICAL ANCHORS
IN-LINE CLUSTERS AT
INTERLOCK/ASTRAGAL ENDS
SEE ELEV. FOR SPACING AND
SHEET 5.1 FOR CAPACITY

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH
WHITE/ALUMINUM COLORED SILICONE.

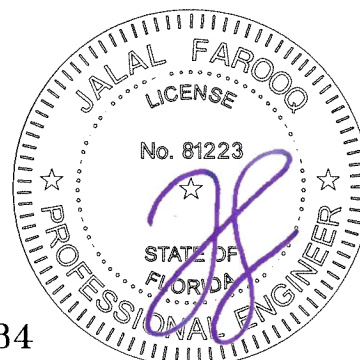
WEEPHOLES:

W1 = 2-5/8" LONG WEEP NOTCH AT EACH END
W2 = 1" LONG WEEP NOTCH AT EACH END



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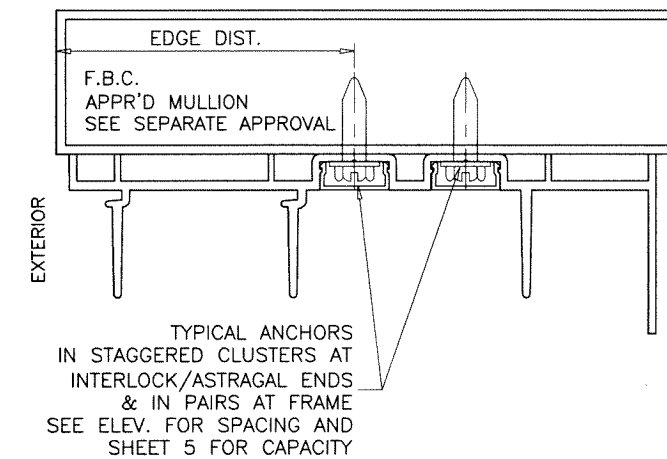
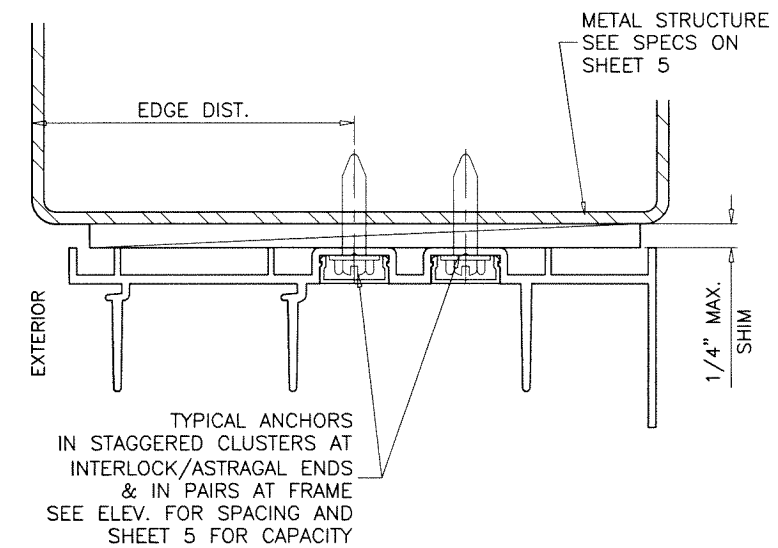
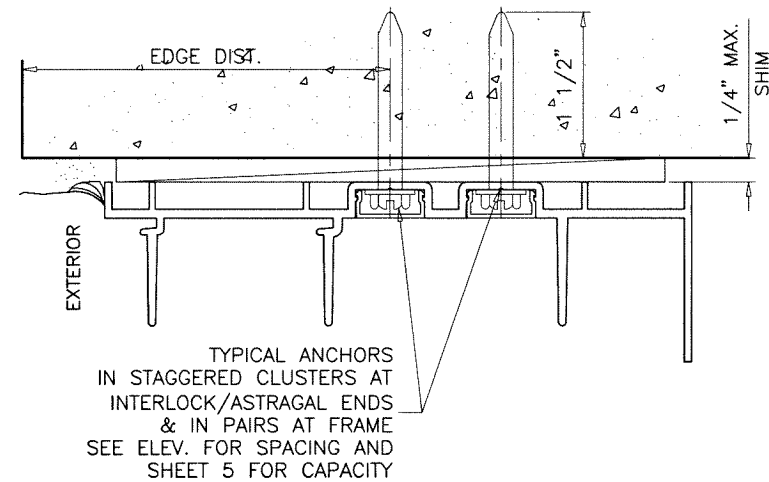
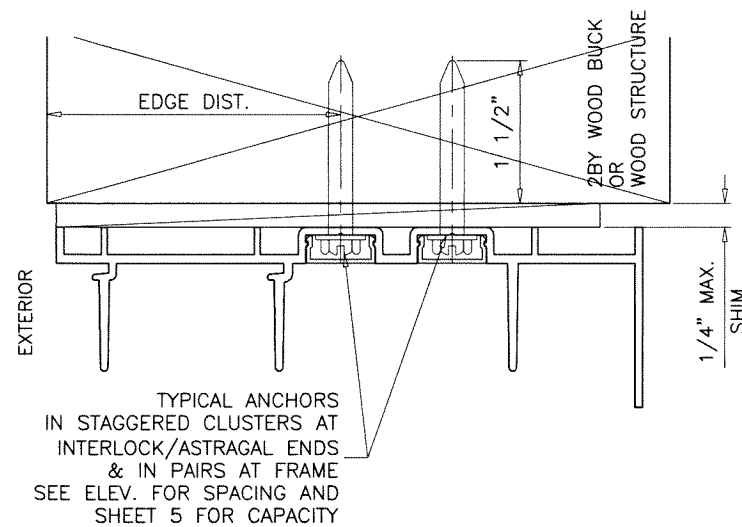
SERIES-6100 ALUM SLIDING GLASS WINDOW (S.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
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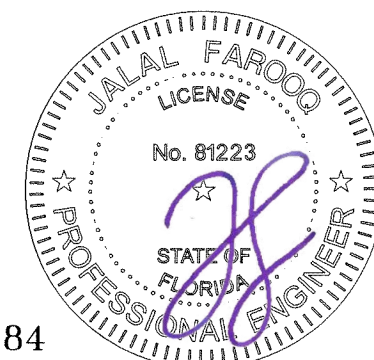
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chk. by:

drawing no.
24-79F
sheet 6 of 12



1BY OR 2BY WOOD BUCKS AND METAL STRUCTURES NOT BY 'E.S. WINDOWS'
MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND
TRANSFER THEM TO THE BUILDING STRUCTURE.



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sheet 7 of 12

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no	date	no	date	no	date

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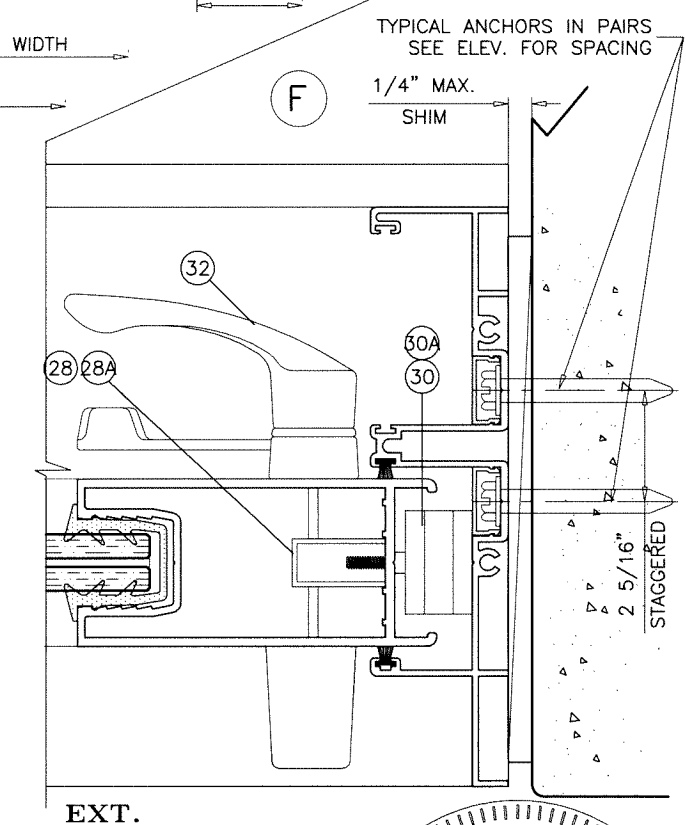
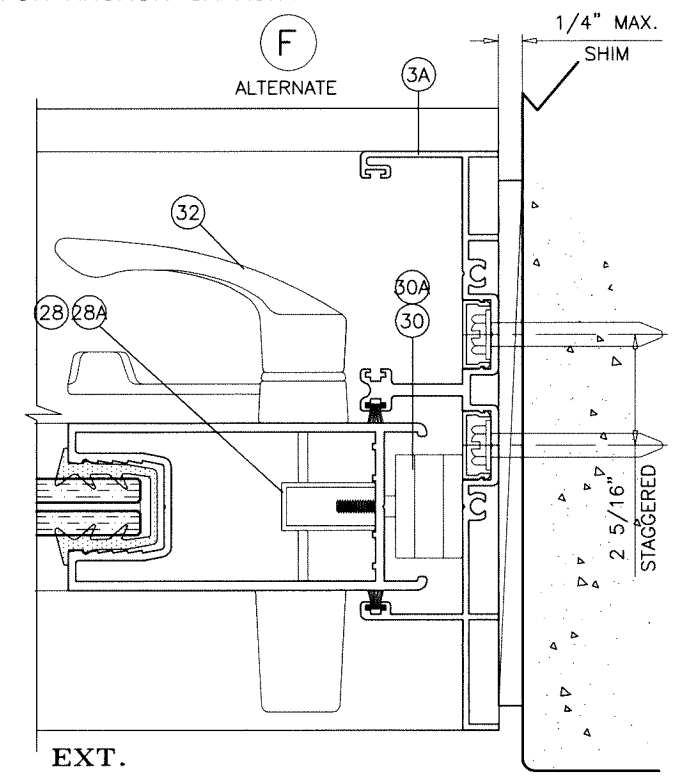
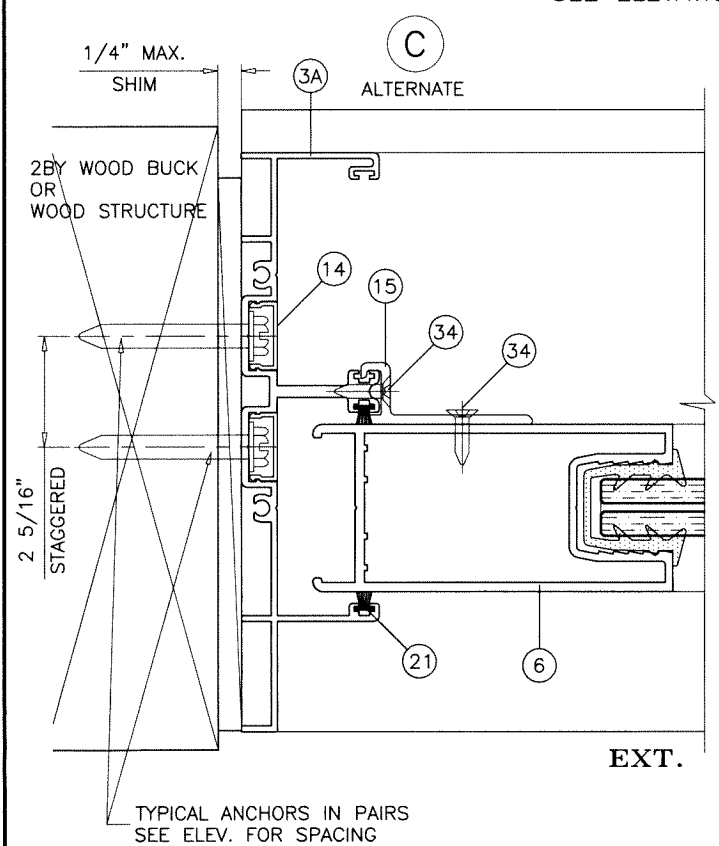
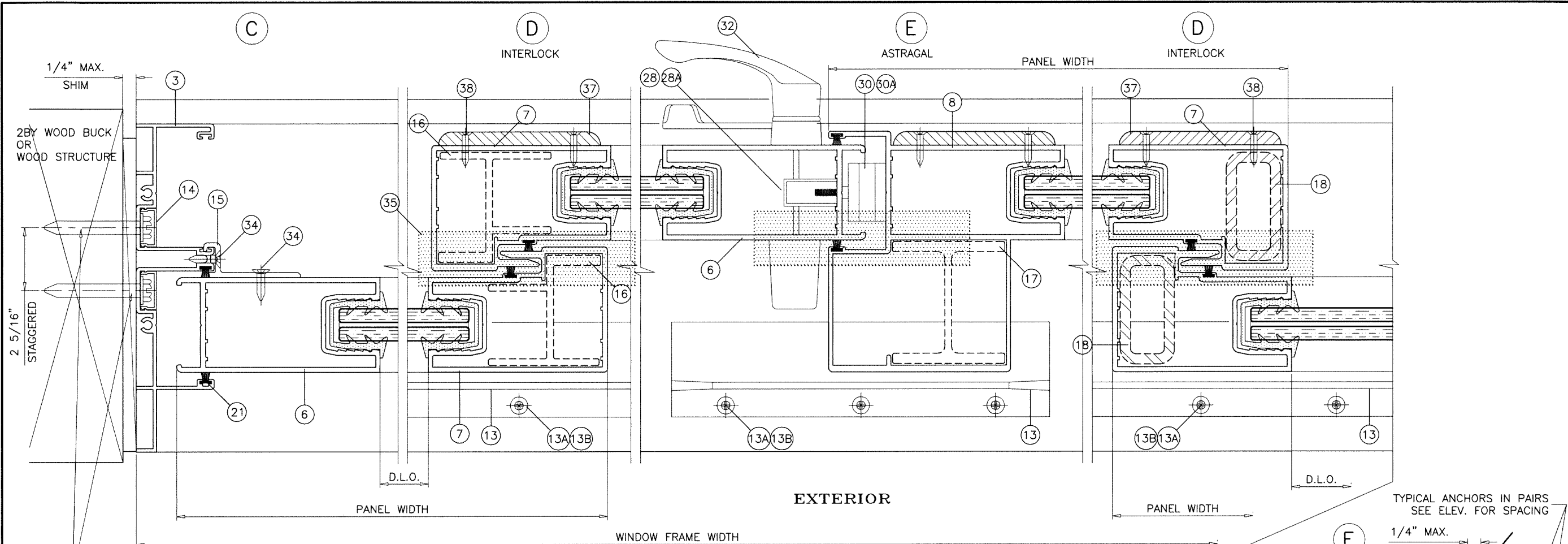
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chk. by:

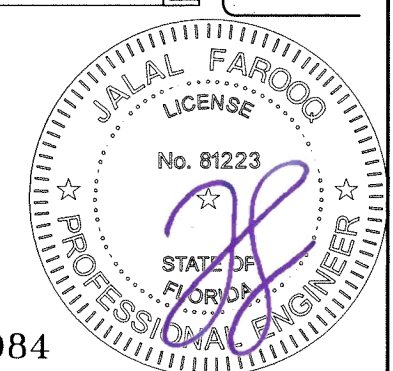
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24-79F



ALUMINUM AND STEEL REINFORCING AT INTERLOCK AND ASTRAGAL STILES SHOWN FOR ILLUSTRATION ONLY. USE AS SHOWN ON SHEETS 3 THRU 4. SEE CHARTS FOR REINFORCING OPTIONS LOAD CAPACITY, INCLUDING GLASS OPTIONS. SEE ELEVATION FOR ANCHOR SPACING AND SHEET 5 & 5.1 FOR ANCHOR CAPACITY.

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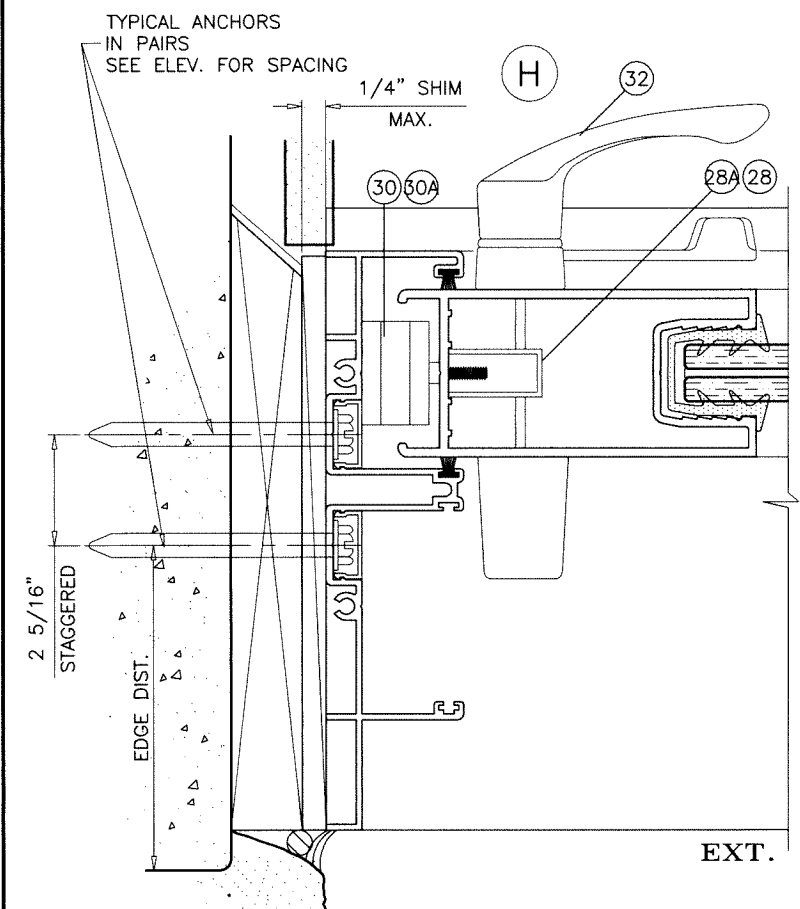
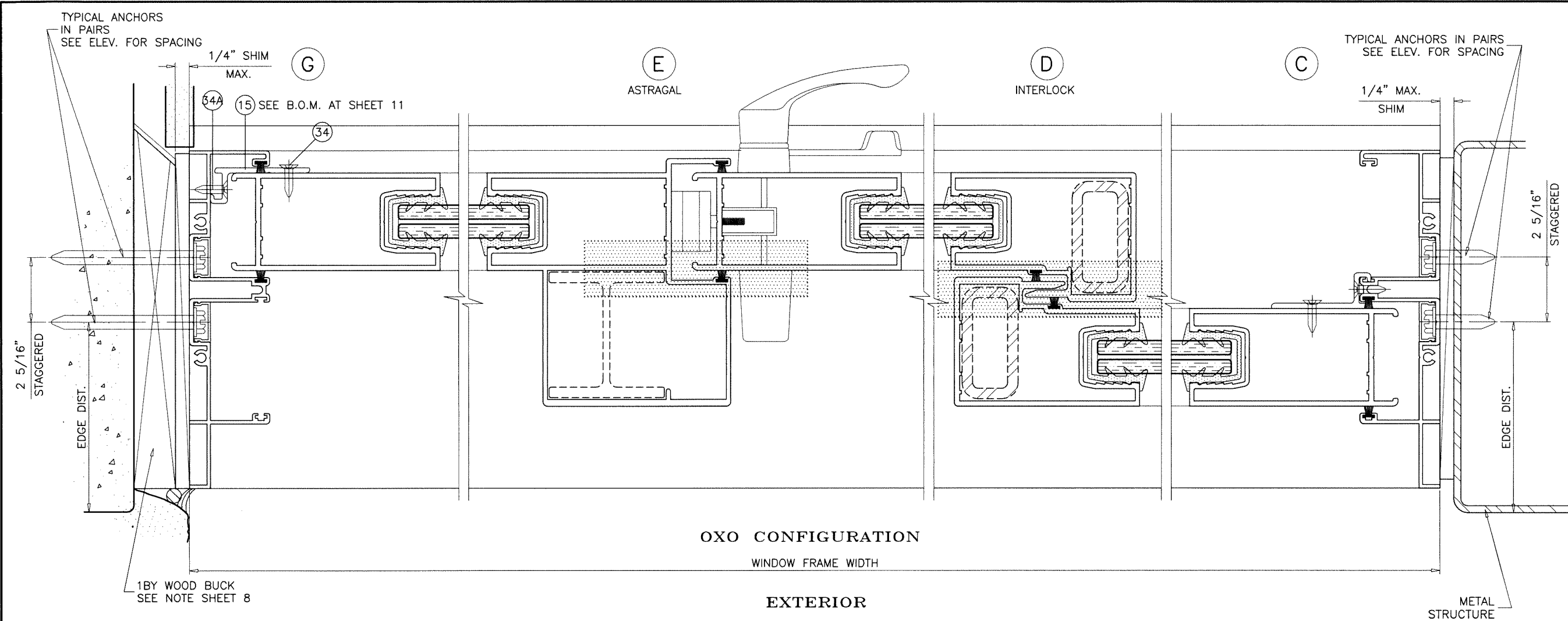
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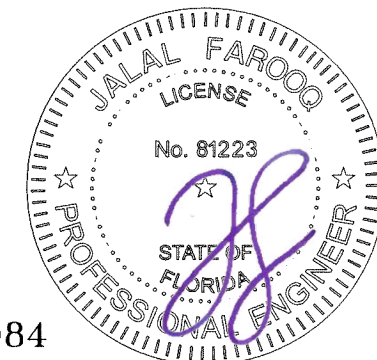
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chk. by:

drawing no.
24-79F
sheet **8** of 12



ALUMINUM AND STEEL REINFORCING AT INTERLOCK AND ASTRAGAL STILES SHOWN FOR ILLUSTRATION ONLY.
USE AS SHOWN ON SHEETS 3 THRU 4.
SEE CHARTS FOR REINFORCING OPTIONS LOAD CAPACITY, INCLUDING GLASS OPTIONS.
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AL-FAROOQ CORPORATION
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SERIES-6100 ALUM SLIDING GLASS WINDOW (S.M.I.)

E.S. WINDOWS, LLC
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TEL. (305) 638-5151 FAX. (305) 638-5158

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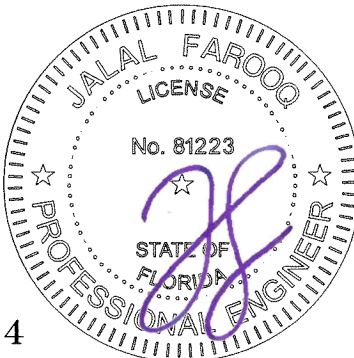
ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ES6001	1	FRAME HEAD	6005-T5	-
2	ES6023	1	FRAME SILL - 3-1/2" HIGH	6005-T5	-
3	ES6003	2	FRAME JAMB	6063-T6	-
3A	ES6030	2	ALTERNATE FRAME JAMB	6063-T6	-
4	ES-6000-040	2/ PANEL	TOP RAIL	6063-T6	-
5	ES-6000-041	2/ PANEL	BOTTOM RAIL	6063-T6	-
6	ES-6000-042	AS REQD.	LOCK STILE	6063-T6	-
7	ES-6000-043	AS REQD.	INTERLOCK	6063-T6	-
8	ES-6000-044	AS REQD.	FEMALE ASTRAGAL	6063-T6	-
10	27-564	4/ PANEL	GLAZING GASKET	SILICONE	DUROMETER 65±5 SHORE A, EXTRUSIONS S.A.
11	ES6016	4/ PANEL	PANEL GUIDE (TOP ONLY)	CELCON	LOCATED AT PANEL ENDS
12	ES6015	2/ PANEL	FIXED PANEL BOTTOM GUIDE	6063-T6	SECURE W/ (2) #8 X 3/4" FH SMS
13	ES6010	2/ PANEL	RETAINER CLIP, 8" LONG AT HEAD, 7" LONG AT SILL	6005-T5	AT MTG. RAIL HEAD & SILL ENDS
13.1	ES6010	1/ PANEL	MOVING PANEL RETAINER CLIP, 4" LONG AT SILL	6005-T5	AT MID WIDTH OF MOVING PANEL
13A	#8 X 3/4"	3/ CLIP	RETAINER CLIP FASTENERS	ST. STEEL	FH SMS
13B	#8 X 3/4"	2/ CLIP	MOV. PANEL RETAINER CLIP FASTENERS	ST. STEEL	FH SMS
14	ES6011	2/ JAMB	JAMB SCREW COVER	6063-T5	OPTIONAL
15	ES6014	3/ FIX. PANEL	FIXED PANEL CLIP, 4" LONG, AT 53" O.C.	6063-T6	AT 7" FROM EACH END AND AT MIDSPAN
16	ES6012	AS REQD.	INTERLOCK STIFFENER (LENGTH = PANEL HT. - 2-3/8")	6063-T6	-
17	ES6013	AS REQD.	ASTRAGAL STIFFENER (LENGTH = PANEL HT. - 2-3/8")	6063-T6	-
18	1" X 2" X 3/16"	AS REQD.	STEEL TUBE REINFORCING (LENGTH = PANEL HT. - 2-3/8")	A36 STEEL	TO BE PAINTED
21	W222521K	AS REQD.	STILE & JAMB W'STRIPPING	-	ULTRAFAB
22	W223221K	AS REQD.	TOP RAIL PILE W'STRIPPING	-	ULTRAFAB
23	ES6027	AS REQD.	BOTTOM RAIL W'STRIPPING	EPDM	DUROMETER 75±4 SHORE A
24	#10 X 1-1/2" PH SMS	8/ PANEL	PANEL ASSY SCREWS	-	-
25	#10 X 1" PH SMS	2/ CORNER	FRAME ASSY SCREWS	-	-
26	GTT-354/460-A	2/ MOV. PANEL	TANDEM ACETAL WHEEL IN METALLIC HOUSING	-	PABOSE
27	1/4-20 X 1-3/4" PH MS	1/ ROLLER	ROLLER INST. SCREWS	-	-
28	2300-10SS	1/ MOV. PANEL	STD. MORTISE LOCK, AT 48-1/2" FROM BOTTOM	ST. STEEL	-
28A	2468T-00	1/ MOV. PANEL	MULTI POINT MORTISE LOCK, AT 48-1/2" FROM BOTTOM	ST. STEEL	WITH 2448 TRIM PLATE
29	#10-24 X 3/8" PH MS	2/ LOCK	LOCK INSTALLATION SCREW	ST. STEEL	-
30	ES6017-1	1/ LOCK	LOCK KEEPER (STD. LOCK)	PLATED STEEL	AT 48-1/2" FROM BOTTOM
30A	2447-00	1/ LOCK	LOCK KEEPER (MULTI POINT LOCK)	ST. STEEL	AT 48-1/2" FROM BOTTOM
31	#10 X 5/8" PH SMS B	2/ LOCK	LOCK KEEPER MOUNT. SCREW (STD. LOCK)	ST. STEEL	-
31A	#8 X 3/4" FH SMS	4/ LOCK	LOCK KEEPER MOUNT. SCREW (MULTI POINT LOCK)	ST. STEEL	-
32	#623Z	1/ LOCK	INTERIOR AND EXTERIOR PULL	-	(3) #6-32 X 1/2" FH MS, ST. STEEL
34	#12 X 3/4"	2/ CLIP	FIXED PANEL CLIP FASTENER	ST. STEEL	FH SMS
35	-	AS REQD.	1"X4" LONG SELF ADHESIVE PILE PAD	WOOLPILE	AT HEAD AND SILL
37	ES6019	AS REQD.	RESTRAINING PLATE	NYLON	AT TOP & BOTT. INTERLOCKS & ASTRAGAL
38	#8 X 3/4" FH SMS	2/ PLATE	RESTRAINING PLATE FASTENER	-	-

LATCHES:

ITEMS 28A AND 30A USED FOR WINDOWS WITH STEEL REINFORCING ONLY
ITEMS 28 AND 30 USED FOR ALL OTHER WINDOWS.

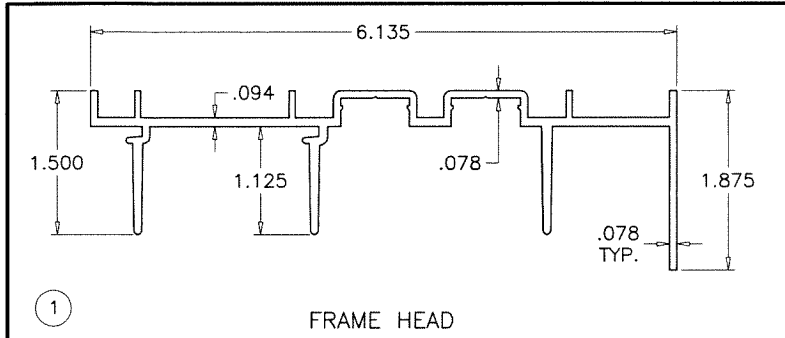
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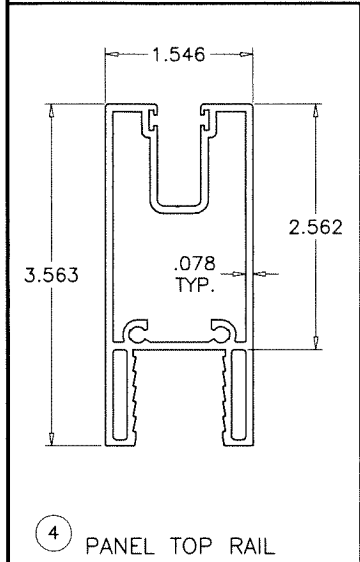


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AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538) MIAMI, FLORIDA 33173 TEL. (305) 264-8100 FAX. (305) 262-6978	
SERIES-6100 ALUM SLIDING GLASS WINDOW (S.M.I.)	
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sheet 10 of 12	

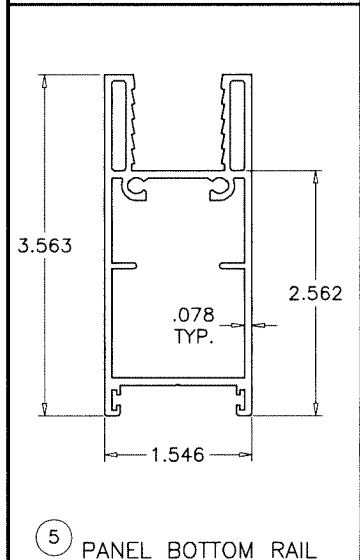
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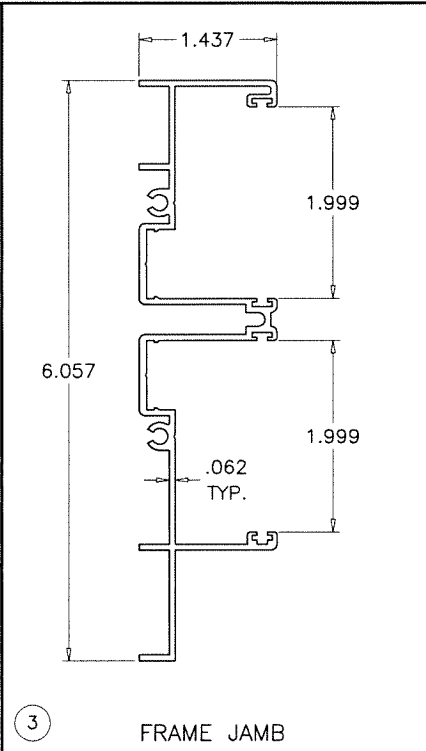
FRAME HEAD



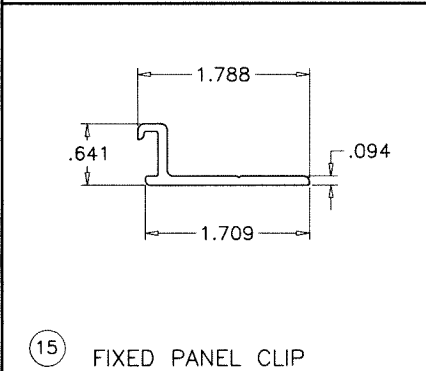
PANEL TOP RAIL



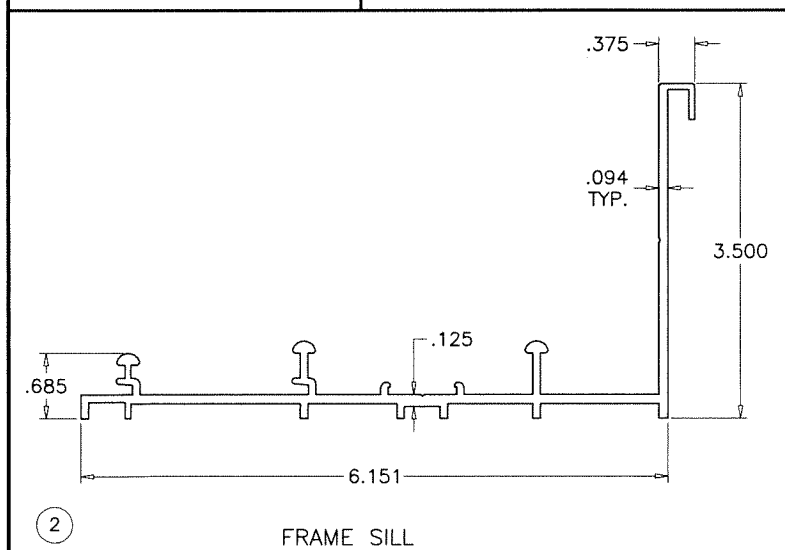
PANEL BOTTOM RAIL



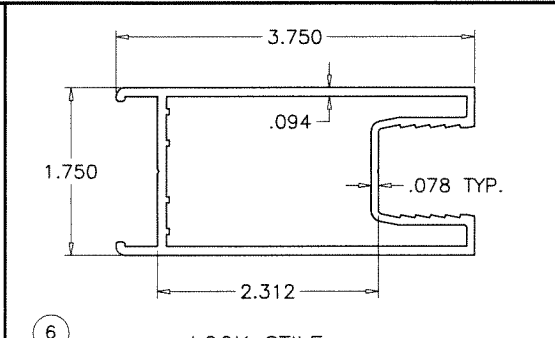
FRAME JAMB



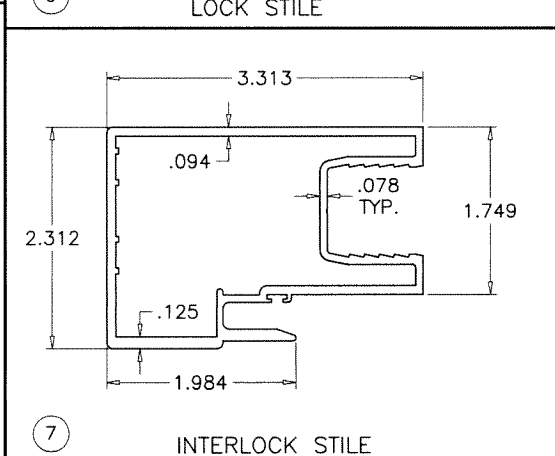
FIXED PANEL CLIP



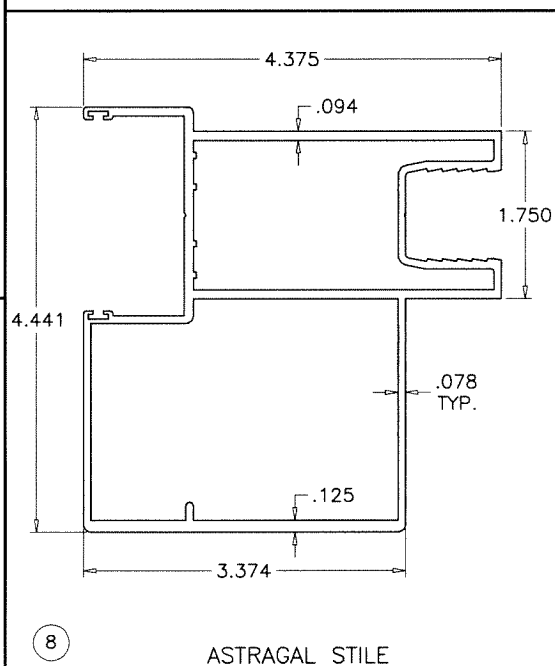
FRAME SILL



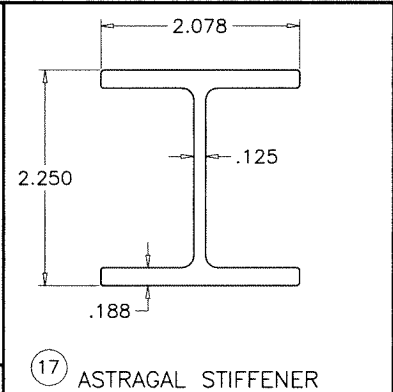
LOCK STILE



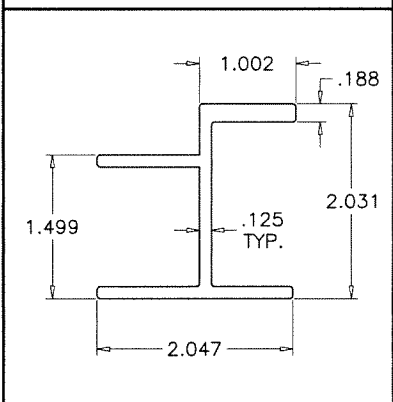
INTERLOCK STILE



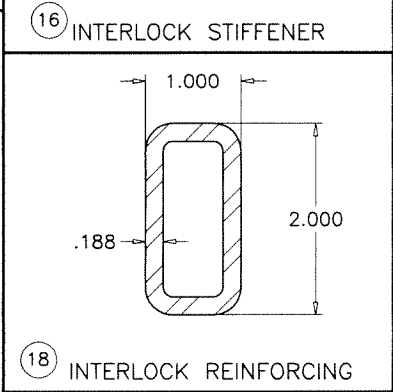
ASTRAGAL STILE



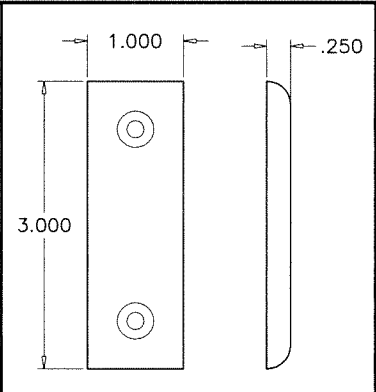
ASTRAGAL STIFFENER



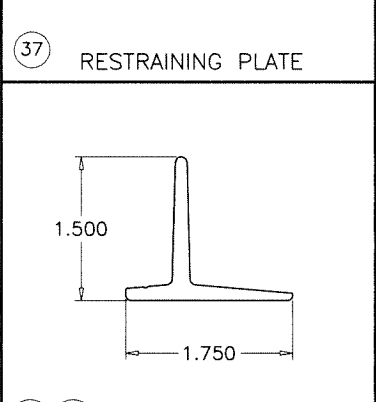
INTERLOCK STIFFENER



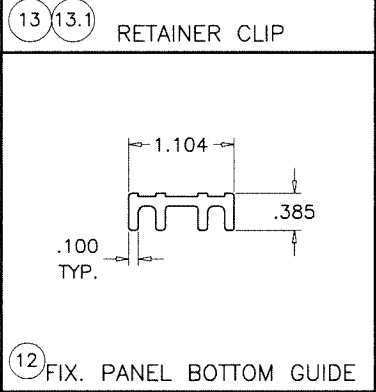
INTERLOCK REINFORCING



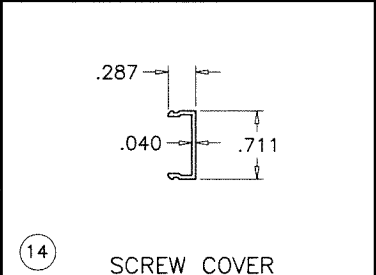
RESTRAINING PLATE



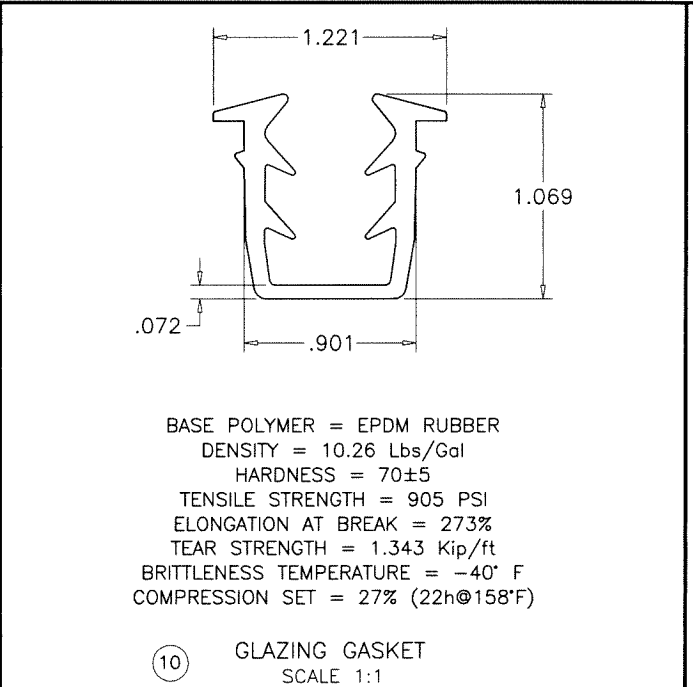
RETAINER CLIP



FIX. PANEL BOTTOM GUIDE

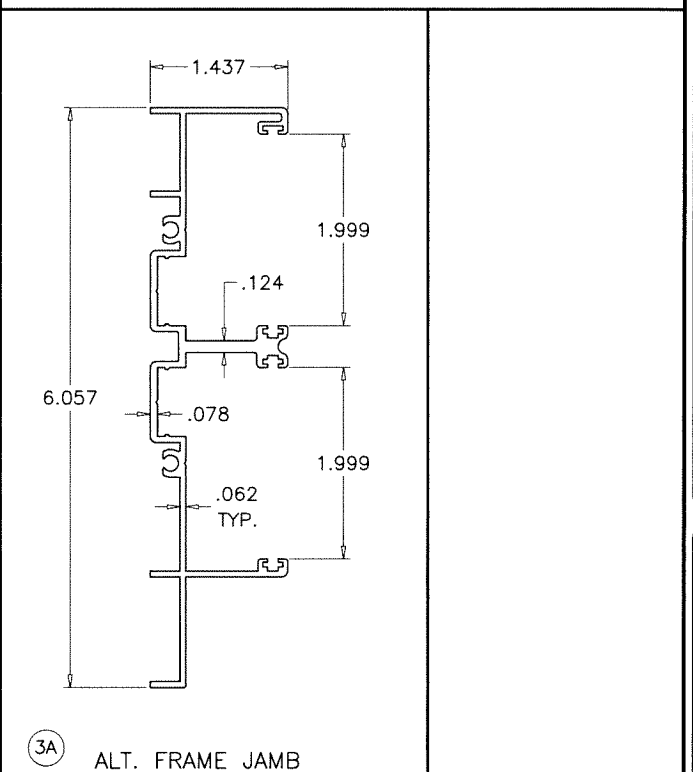


SCREW COVER



BASE POLYMER = EPDM RUBBER
 DENSITY = 10.26 Lbs/Gal
 HARDNESS = 70±5
 TENSILE STRENGTH = 905 PSI
 ELONGATION AT BREAK = 273%
 TEAR STRENGTH = 1.343 Kip/ft
 BRITTLENESS TEMPERATURE = -40° F
 COMPRESSION SET = 27% (22h@158°F)

GLAZING GASKET
 SCALE 1:1



ALT. FRAME JAMB

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

SERIES-6100 ALUM SLIDING GLASS WINDOW (S.M.I.)
E.S. WINDOWS, LLC
 3550 N.W. 49 STREET
 MIAMI, FL. 33142
 TEL. (305) 638-5151
 FAX. (305) 638-5158

Revisions:		by description	
no	date	no	date

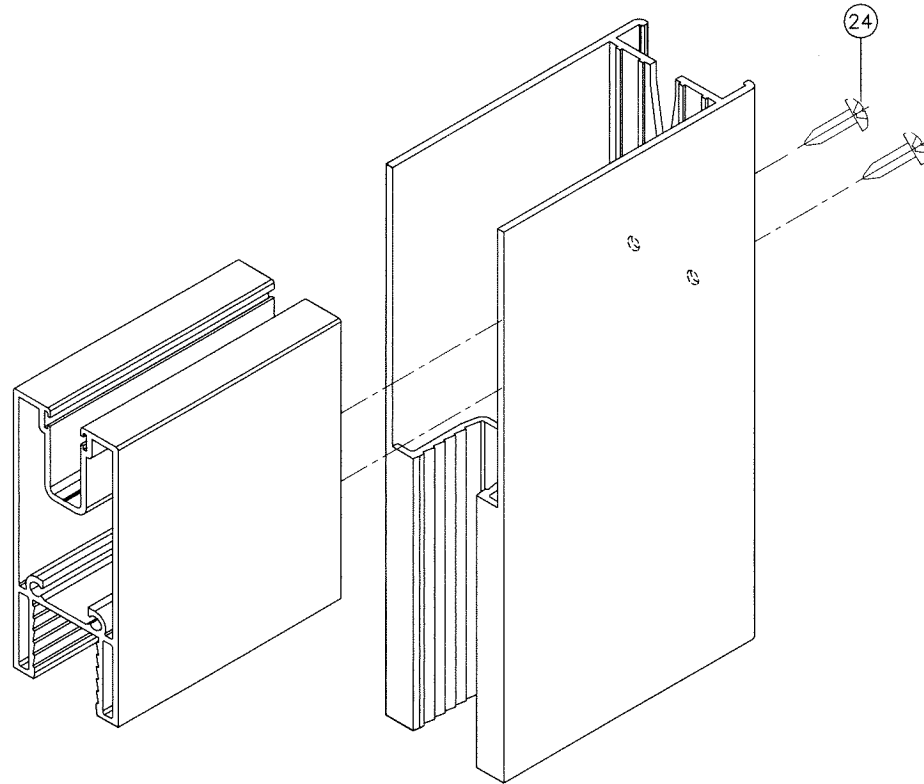
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 dr. by: TARIQ
 chk. by:

drawing no.
24-79F
 sheet 11 of 12

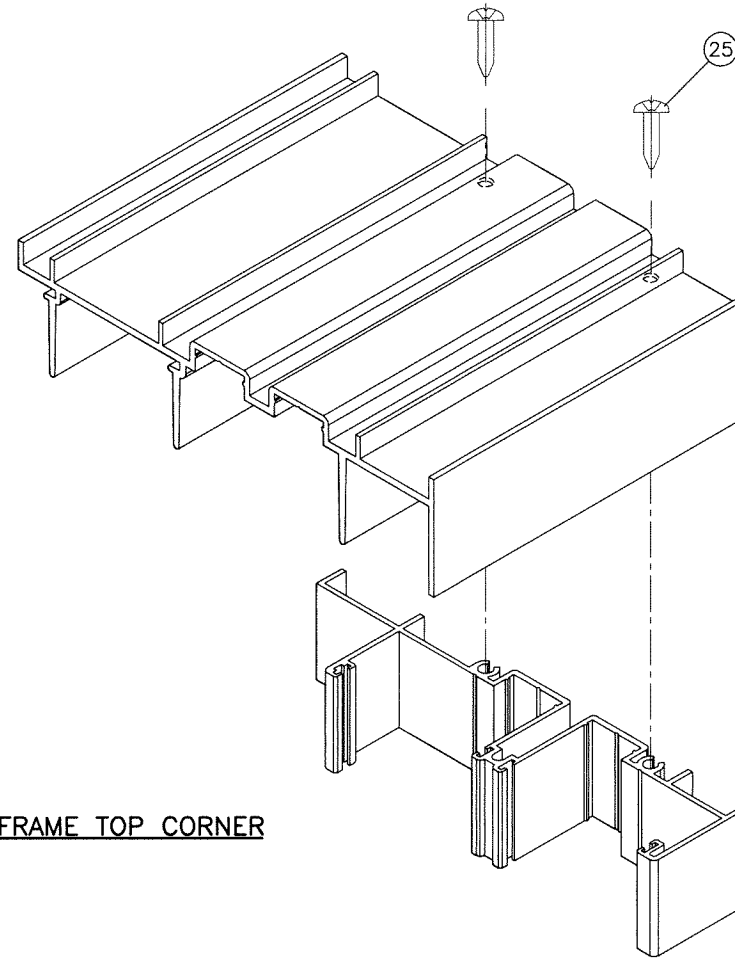


Sealed: 10/21/2024

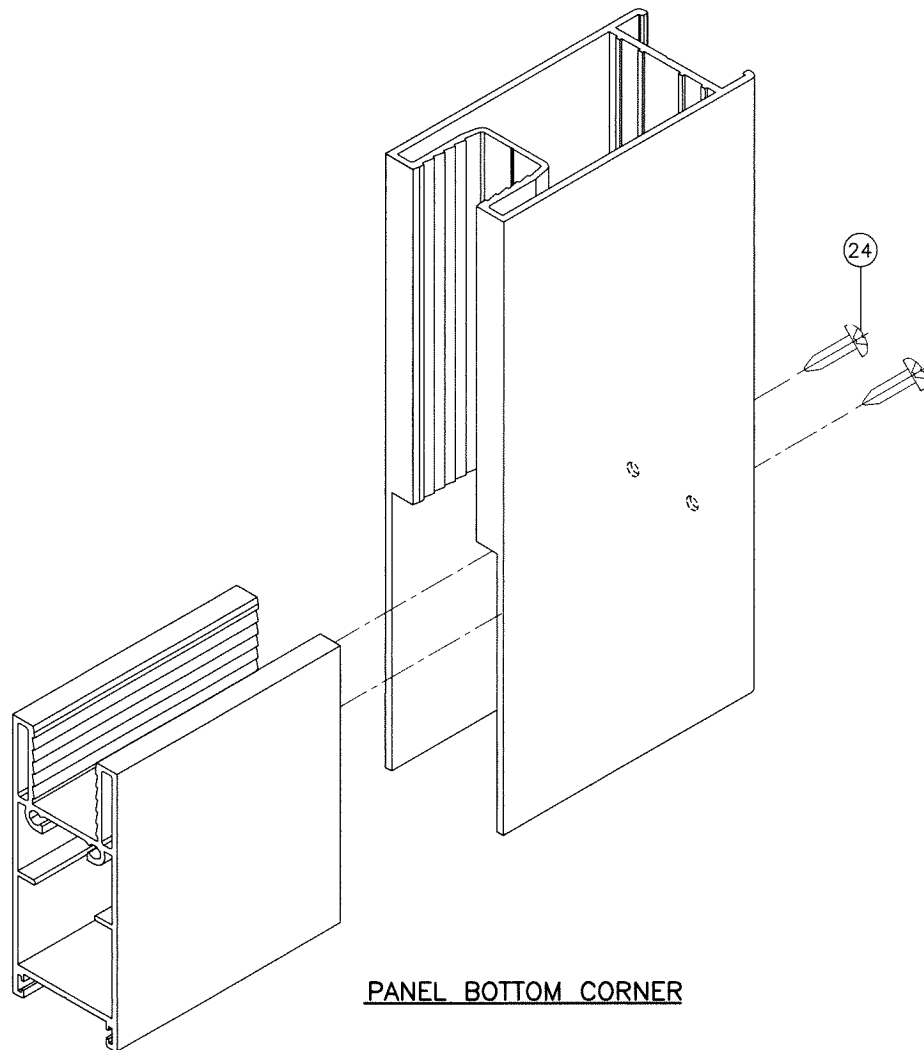
FL #47084



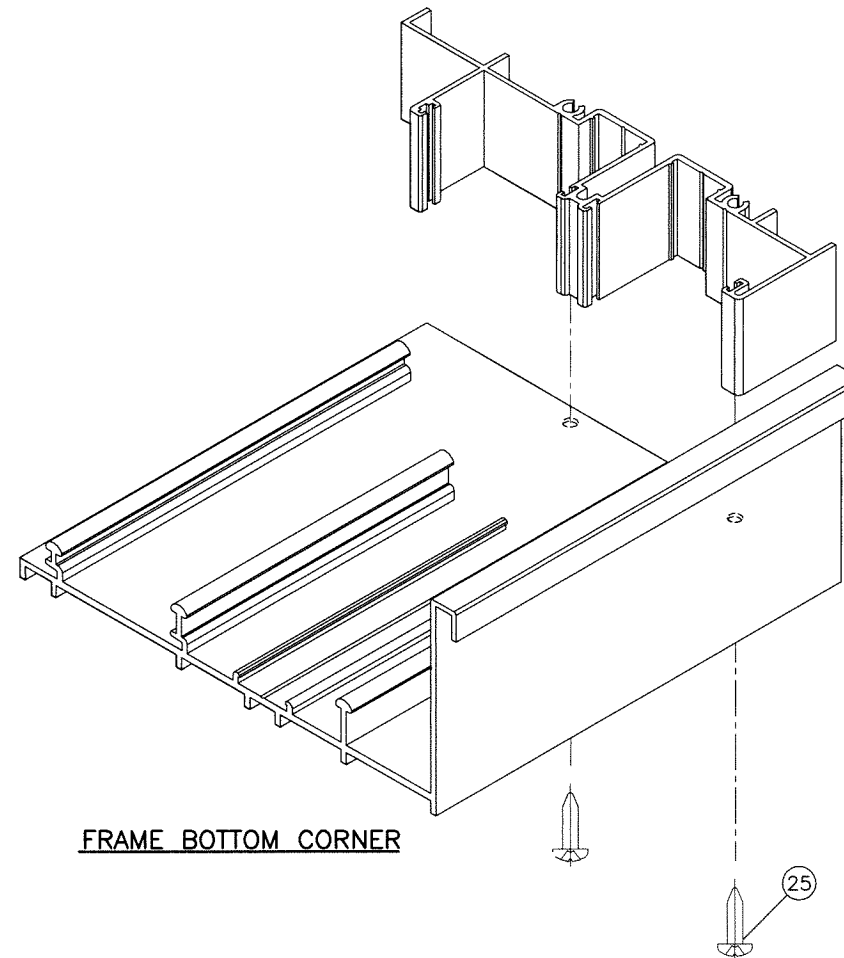
PANEL TOP CORNER



FRAME TOP CORNER



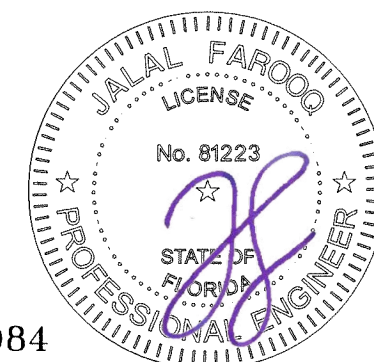
PANEL BOTTOM CORNER



FRAME BOTTOM CORNER

Sealed: 10/21/2024

FL #47084



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COMP-ANL\24-79F-ES

revisions:
no date by description

date: 10-21-24
scale: 1/2" = 1"

dr. by: TARIQ

chk. by:

drawing no.

24-79F

sheet 12 of 12