

DAYLITE OPENINGS WIDTHS:
FIXED STILE-INTERLOCK = PANEL WIDTH - 7.437"
INTERLOCK-ASTRAGAL = PANEL WIDTH - 6.375"
LOCK STILE-INTERLOCK = PANEL WIDTH - 7.187"

DAYLITE OPENING HEIGHT:
PANEL HEIGHT - 7.375"

PANEL HEIGHT = DOOR FRAME HEIGHT - 1.750" (W/O RECEPTOR)
PANEL HEIGHT = OVERALL HEIGHT - 3.500" (WITH RECEPTOR)

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.
- STEP 2** DETERMINE DOOR CAPACITY FROM TABLES ON SHEET 4 FOR THE GLASS TYPE AND REINFORCING TO USE.
- STEP 3** USING CHARTS ON SHEET 5 FOR HEAD (WITH OR W/O RECEPTOR) AND SILL ANCHORS SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 4** THE LOWEST VALUE RESULTING FROM STEPS 2 AND 3 SHALL APPLY TO ENTIRE SYSTEM.

THESE DOORS ARE RATED FOR SMALL MISSILE IMPACT.
F.B.C. APPROVED IMPACT RESISTANT SHUTTERS
REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE.
SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

SERIES ES-6600-3 TRACK
ALUMINUM SLIDING GLASS DOOR

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.

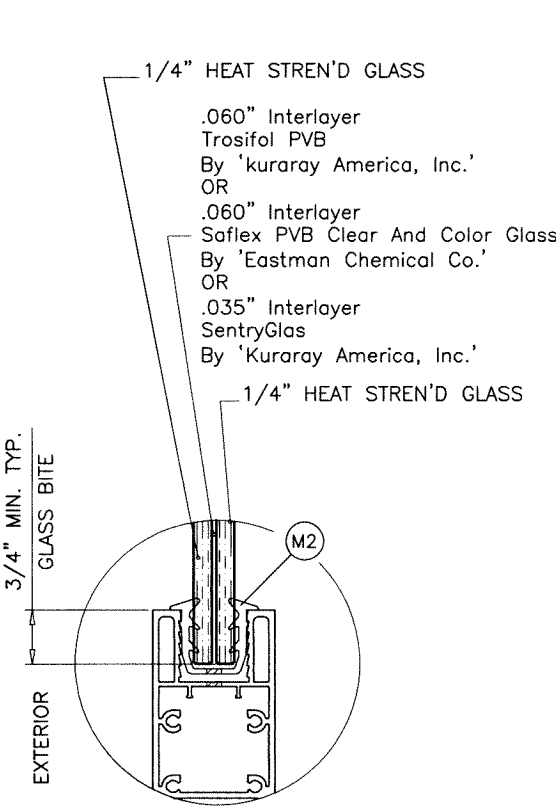
ALL SHIMS TO BE LOAD-BEARING, (HIGH DENSITY PLASTIC/COMPOSITE, METAL OR OTHER RIGID MATERIALS).

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.

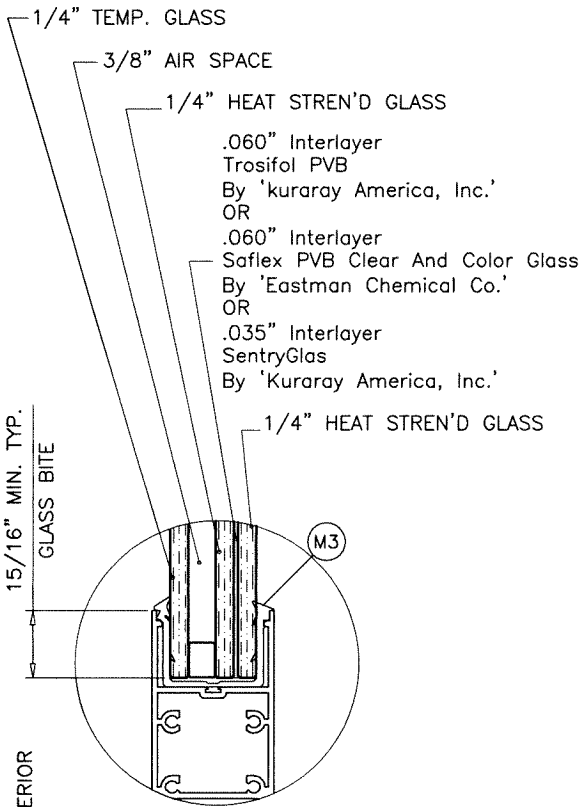
DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

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.



GLASS TYPE 'C'

9/16" OVERALL LAMINATED GLASS



GLASS TYPE 'CI'

1-1/4" OVERALL INSUL. LAM. GLASS

GLAZING OPTIONS

3/8" AIR SPACE CONSISTING OF:

SPACER:

'HELIMA' LOW PROFILE ALUMINUM SPACER BY 'LINGERMANN GMBH' AROUND THE PERIMETER OF THE GLASS.

PERIMETER SEALANT:

SILICONE
DOWSIL 791
GE 2000

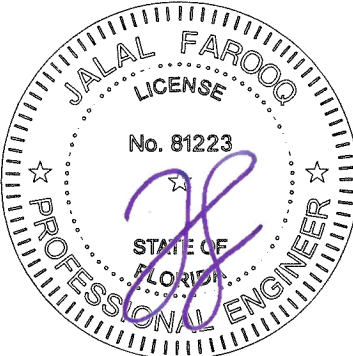
Sealed: 9/22/2026

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.

LAMINATED GLASS
INSUL. LAM. GLASS
SMALL MISSILE IMPACT
3 TRACK SGD SYSTEM

FL #22973

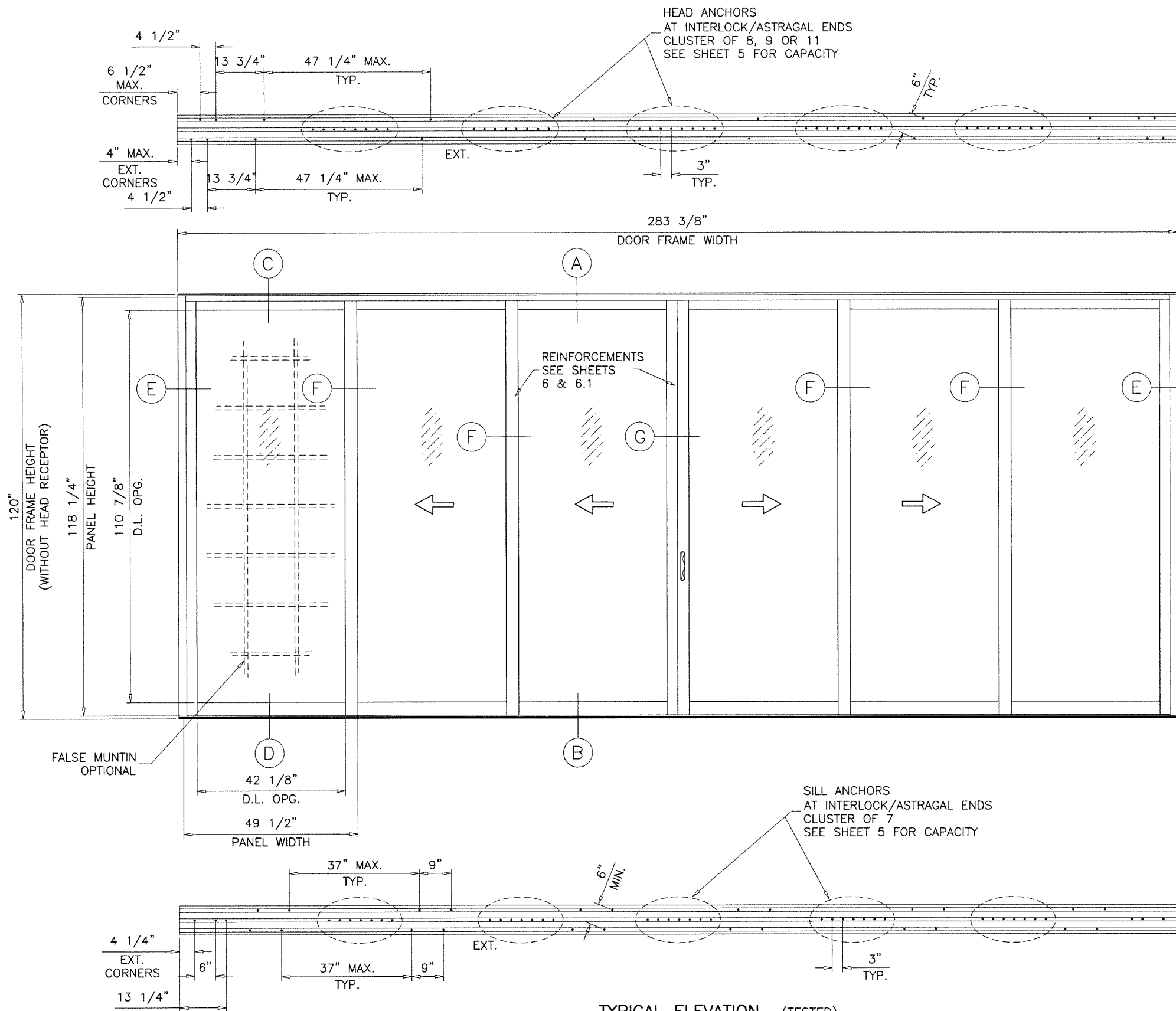


AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

SERIES ES-6600-3 TRACK ALUM SLIDING GL. DOOR (S.M.I.)

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

date: 07-24-17		revisions:			
		no	date	by description	
scale: 3/8" = 1"	A	11.06.20	UPDATED TO 2020 FBC		
	B	09.12.23	UPDATED TO 2023 FBC		
	C	09.18.26	UPDATED TO 2026 FBC		
drawing no.					
W17-72					
sheet 1 of 16					
dr. by: TARIQ					
chk. by:					



TYPICAL ELEVATION (TESTED)
 OXX-XXO (DOORS WITHOUT HEAD RECEPTOR)
 MAX. FRAME AREA NOT TO EXCEED 236.1 SQ. FT.

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FL #22973



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 COMP-ANL\W17-72ESW

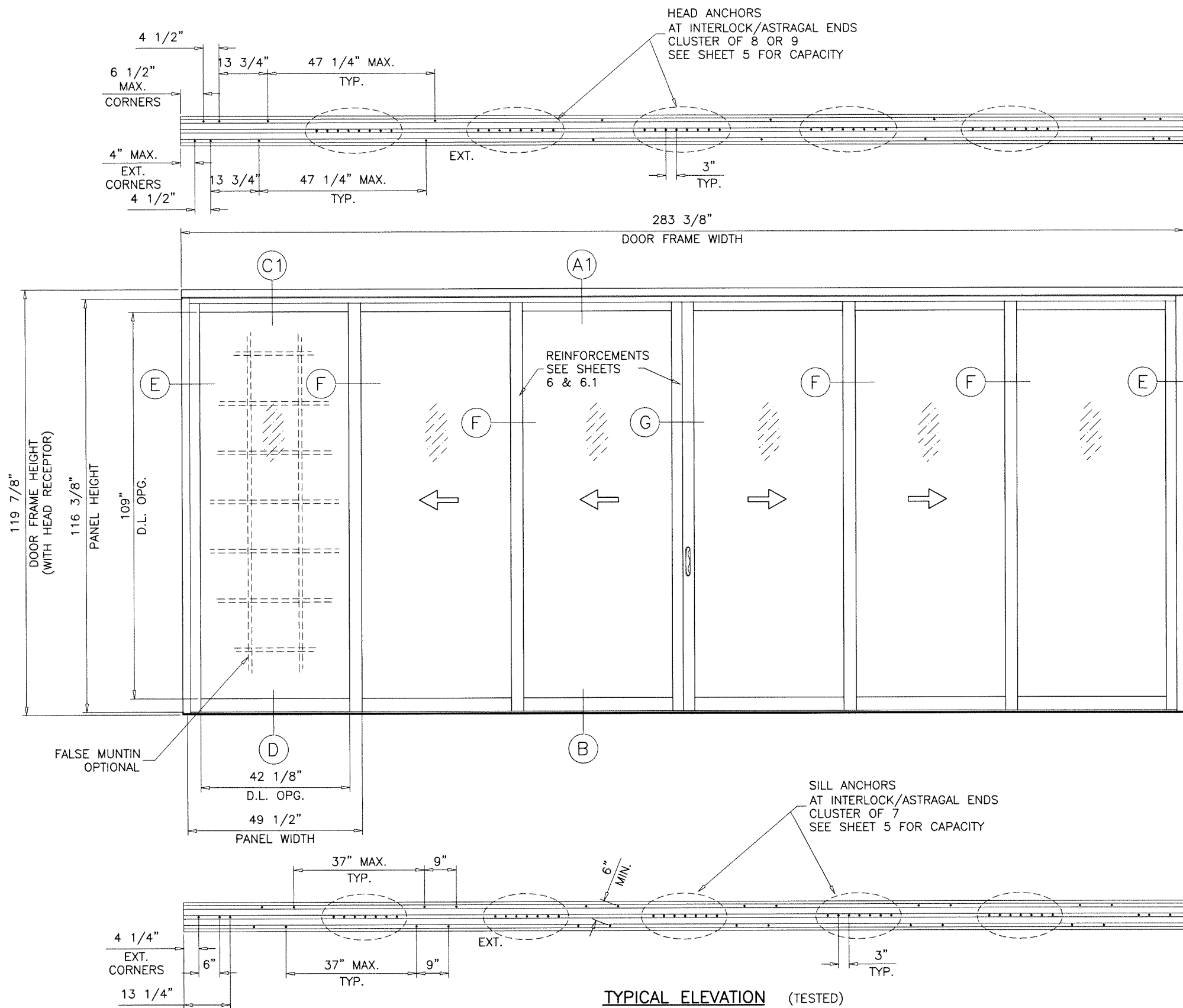
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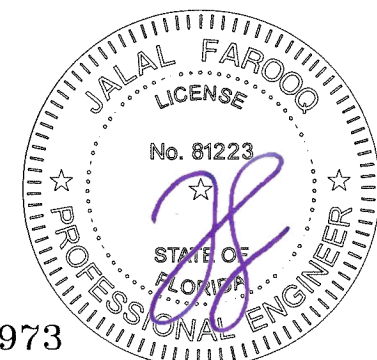
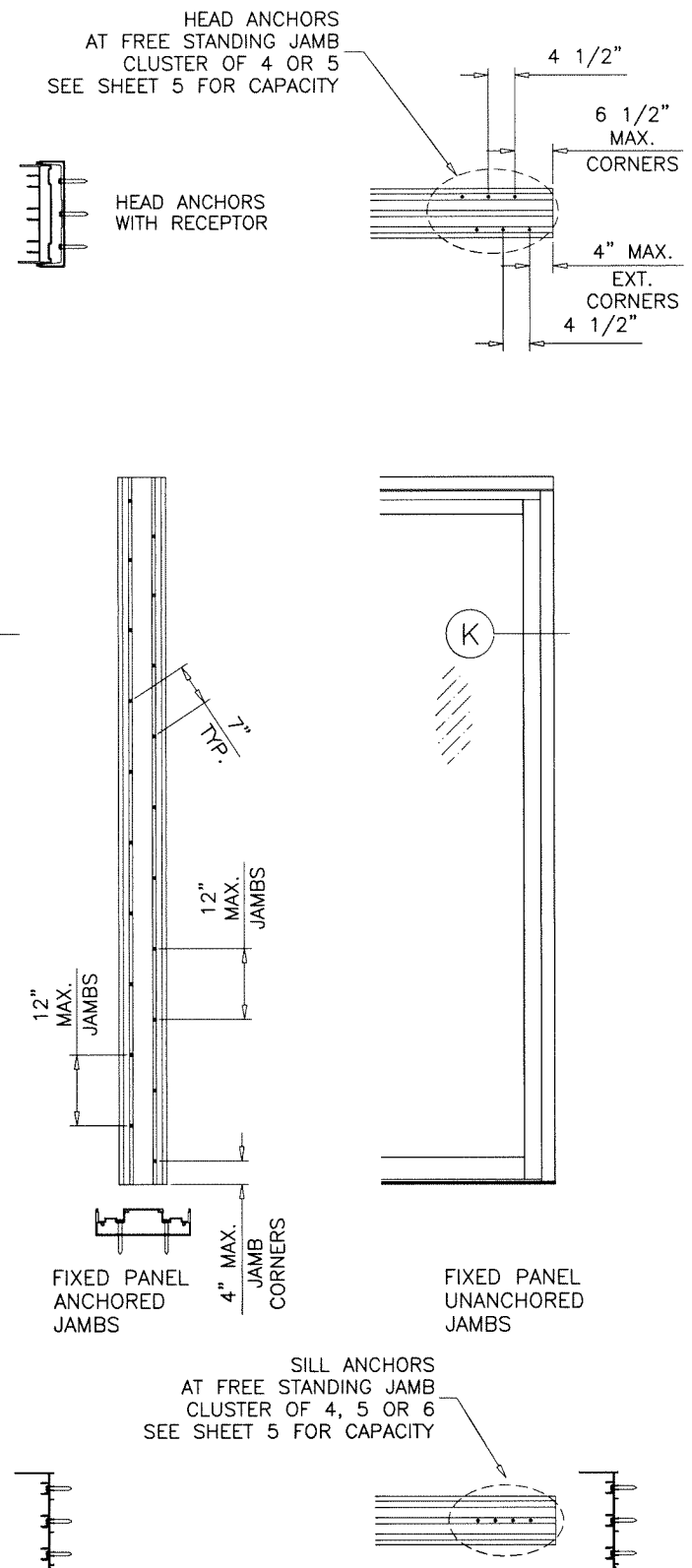
revisions:

no	date	by	description

date: 07-24-17 scale: 3/8"=1'-0" dr. by: TARIQ chk. by:
 drawing no. **W17-72**
 sheet 2 of 16



TYPICAL ELEVATION (TESTED)
 OXX-XXO (DOORS WITH HEAD RECEPTOR)
 MAX. FRAME AREA NOT TO EXCEED 235.9 SQ. FT.



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revisions:	
no	date by description

date: 07-24-17

scale: 3/8"=1'-0"

dr. by: TARIQ

chk. by:

drawing no.

W17-72

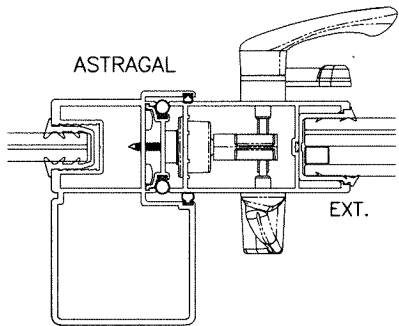
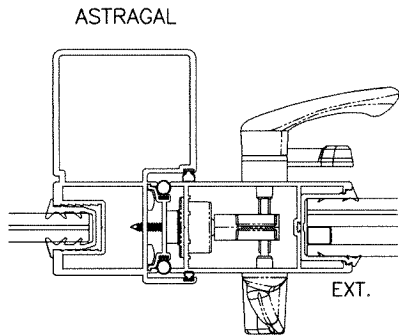
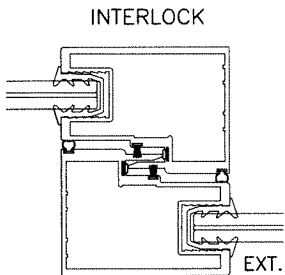
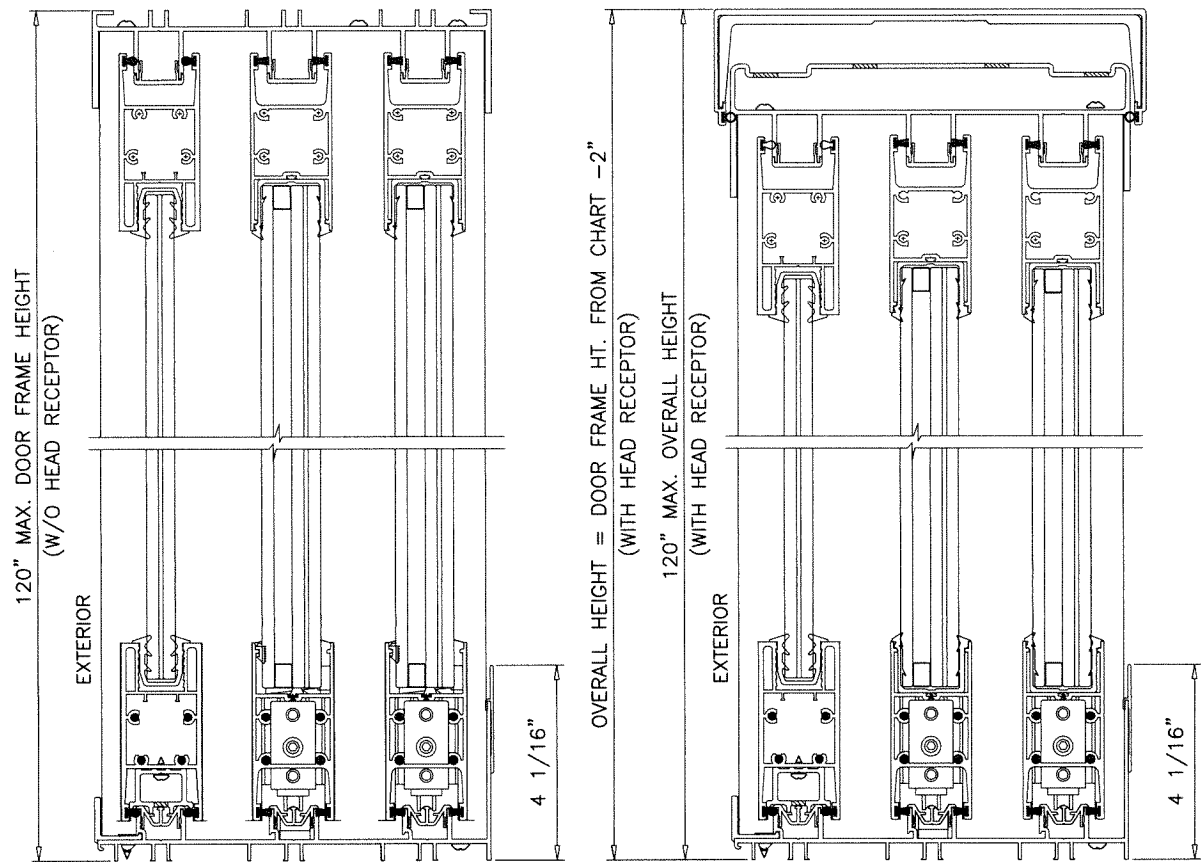
sheet 3 of 16

DESIGN LOAD CAPACITY - PSF (WITH OR WITHOUT HEAD RECEPTOR)					
PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	GLASS 'C' & 'C1'			
		WITHOUT REINF.		WITH REINFORCING	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
36	82	85.0	85.0	120.0	135.0
42		85.0	85.0	120.0	135.0
48		85.0	85.0	120.0	135.0
54		75.6	75.6	106.7	120.0
60		68.0	68.0	96.0	108.0
36	84	85.0	85.0	120.0	135.0
42		85.0	85.0	120.0	135.0
48		85.0	85.0	120.0	135.0
54		75.6	75.6	106.7	120.0
60		68.0	68.0	96.0	108.0
36	90	85.0	85.0	120.0	135.0
42		85.0	85.0	120.0	135.0
48		85.0	85.0	120.0	135.0
54		75.6	75.6	106.7	120.0
60		68.0	68.0	96.0	108.0
36	96	85.0	85.0	120.0	135.0
42		85.0	85.0	120.0	135.0
48		85.0	85.0	120.0	135.0
54		75.6	75.6	106.7	120.0
60		68.0	68.0	96.0	108.0
36	102	85.0	85.0	120.0	135.0
42		85.0	85.0	120.0	135.0
48		85.0	85.0	120.0	135.0
54		75.6	75.6	106.7	120.0
36	108	85.0	85.0	120.0	135.0
42		85.0	85.0	120.0	135.0
48		85.0	85.0	120.0	135.0
54		75.6	75.6	106.7	120.0
36	114	85.0	85.0	120.0	135.0
42		85.0	85.0	120.0	135.0
48		85.0	85.0	120.0	135.0
54		75.6	75.6	106.7	120.0
36	120	85.0	85.0	120.0	135.0
42		85.0	85.0	120.0	135.0
48		85.0	85.0	120.0	135.0

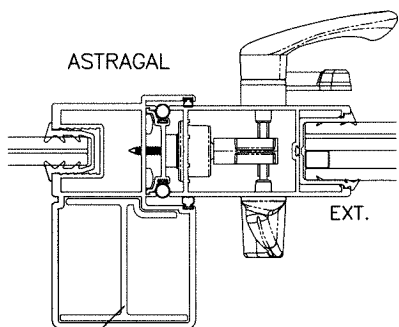
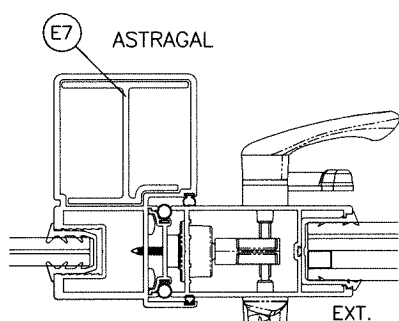
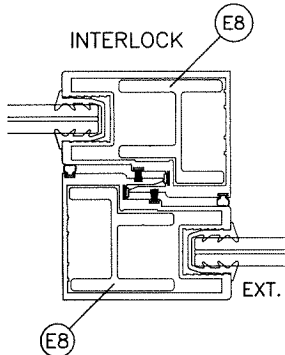
CHART ABOVE SHOWS FRAME HEIGHTS FOR DOORS WITHOUT HEAD RECEPTOR.
FOR DOORS WITH HEAD RECEPTORS OVERALL HEIGHT = DOOR FRAME HT. FROM CHART - 2".

DOOR HEIGHT AND WIDTH SIZE MUST COMPLY
EGRESS REQUIREMENTS PER FBC AS REQUIRED.

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

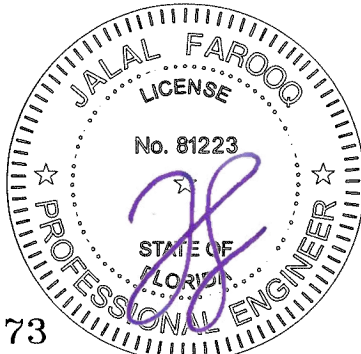


WITHOUT REINFORCING



WITH REINFORCING

Sealed: 9/22/2026



FL #22973

af c
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revisions:
no. date by description
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scale: -
dr. by: TARIQ
chk. by:
drawing no.
W17-72
sheet 4 of 16

HEAD ANCHOR LOAD CAPACITY – PSF (DOORS WITHOUT HEAD RECEPTOR) (APPLICABLE TO SHEET 2 ELEVATION)											
ANCHOR TYPE		ANCHOR TYPE 'A'			ANCHOR TYPE 'B'						ANCHOR 'C'
SHIM SPACE		1/4" SHIM	3/8" MAX. SHIM		1/4" SHIM	3/8" MAX. SHIM		1/2" MAX. SHIM			3/8" SHIM
PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	8 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	9 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	9 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	9 ANCHORS AT MTG. STILE ENDS	11 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS
		EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)
36	82	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
42		135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
48		135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
54		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60		108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0
36	84	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
42		135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
48		135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
54		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60		108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0
36	90	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
42		135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
48		135.0	135.0	135.0	135.0	135.0	135.0	131.1	135.0	135.0	135.0
54		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60		108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0
36	96	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
42		135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
48		135.0	135.0	135.0	135.0	135.0	135.0	128.5	135.0	135.0	135.0
54		120.0	120.0	120.0	120.0	120.0	120.0	114.2	120.0	120.0	120.0
60		108.0	108.0	108.0	108.0	108.0	108.0	102.8	108.0	108.0	108.0
36	102	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
42		135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
48		135.0	135.0	135.0	135.0	135.0	135.0	120.9	133.0	135.0	135.0
54		120.0	120.0	120.0	120.0	120.0	120.0	107.5	118.3	120.0	120.0
36	108	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
42		135.0	135.0	135.0	135.0	135.0	135.0	130.5	135.0	135.0	135.0
48		135.0	135.0	135.0	135.0	135.0	135.0	114.2	125.6	135.0	135.0
36	114	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
42		135.0	135.0	135.0	135.0	135.0	135.0	123.7	135.0	135.0	135.0
48		135.0	135.0	135.0	135.0	135.0	135.0	108.2	119.0	135.0	135.0
36	118–1/8	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
42		135.0	135.0	135.0	135.0	135.0	135.0	119.4	131.3	135.0	135.0
48		135.0	132.6	135.0	135.0	132.6	135.0	104.4	114.9	135.0	135.0
36	120	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
42		135.0	135.0	135.0	135.0	135.0	135.0	117.5	129.2	135.0	135.0
48		135.0	130.6	135.0	135.0	130.6	135.0	102.8	113.1	133.6	135.0
		4 ANCHORS AT FREE STANDING JAMB ENDS	4 ANCHORS AT FREE STAND. JAMB ENDS	5 ANCHORS AT FREE STAND. JAMB ENDS	4 ANCHORS AT FREE STAND. JAMB ENDS	4 ANCHORS AT FREE STAND. JAMB ENDS	5 ANCHORS AT FREE STAND. JAMB ENDS	4 ANCHORS AT FREE STAND. JAMB ENDS	5 ANCHORS AT FREE STAND. JAMB ENDS	6 ANCHORS AT FREE STAND. JAMB ENDS	4 ANCHORS AT FREE STANDING JAMB ENDS

CHART ABOVE SHOWS FRAME HEIGHTS FOR DOORS WITHOUT HEAD RECEPTOR.

LIMIT ALL EXTERIOR LOADS TO +120.0 PSF MAX. FOR REINFORCED SGD SYSTEM PER SHEETS 4 & 6

LIMIT ALL EXT./INT. LOADS TO ±85.0 PSF MAX. FOR UN-REINFORCED SGD SYSTEM PER SHEETS 4 & 6.1

SEE CHART ON SHEET 4 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE AND REINFORCING TYPES.

SEE CHART ABOVE FOR HEAD AND SILL ANCHOR CAPACITY.

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

HEAD ANCHOR LOAD CAPACITY – PSF (DOORS WITH HEAD RECEPTOR) (APPLICABLE TO SHEET 3 ELEVATION)			
ANCHOR TYPE		ANCHOR TYPE 'D'	
SHIM SPACE		1/4" MAX. SHIM	
PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	8 ANCHORS AT MTG. STILE ENDS	9 ANCHORS AT MTG. STILE ENDS
		EXT. (+) INT. (–)	EXT. (+) INT. (–)
36	82	135.0	135.0
42		135.0	135.0
48		135.0	135.0
54		120.0	120.0
60		108.0	108.0
36	84	135.0	135.0
42		135.0	135.0
48		135.0	135.0
54		120.0	120.0
60		108.0	108.0
36	90	135.0	135.0
42		135.0	135.0
48		135.0	135.0
54		120.0	120.0
60		108.0	108.0
36	96	135.0	135.0
42		135.0	135.0
48		135.0	135.0
54		120.0	120.0
60		108.0	108.0
36	102	135.0	135.0
42		135.0	135.0
48		135.0	135.0
54		120.0	120.0
36	108	135.0	135.0
42		135.0	135.0
48		135.0	135.0
36	114	135.0	135.0
42		135.0	135.0
48		134.0	135.0
36	118–1/8	135.0	135.0
42		135.0	135.0
48		134.0	135.0
36	119–7/8	135.0	135.0
42		135.0	135.0
48		126.0	135.0
		4 ANCHORS AT FREE STANDING JAMB ENDS	5 ANCHORS AT FREE STANDING JAMB ENDS

SILL ANCHOR LOAD CAPACITY - PSF (APPLICABLE TO DOORS WITH OR W/O HEAD RECEPTOR)		
ANCHOR TYPE		ANCHOR 'BB'
SHIM SPACE		1/4" SHIM
PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	7 ANCHORS AT MTG. STILE ENDS
		EXT. (+) INT. (-)
36	82	135.0
42		135.0
48		135.0
54		120.0
60		108.0
36	84	135.0
42		135.0
48		135.0
54		120.0
60		108.0
36	90	135.0
42		135.0
48		135.0
54		120.0
60		108.0
36	96	135.0
42		135.0
48		135.0
54		120.0
60		108.0
36	102	135.0
42		135.0
48		135.0
54		120.0
36	108	135.0
42		135.0
48		135.0
36	114	135.0
42		135.0
48		135.0
36	118-1/8	135.0
42		135.0
48		135.0
36	120	135.0
42		135.0
48		135.0
		4 ANCHORS AT FREE STANDING JAMB ENDS



Sealed: 9/22/2026

FL #22973

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 ES-6600-3 TRACK ALUM SLIDING GL. DOOR (S.M.I.)

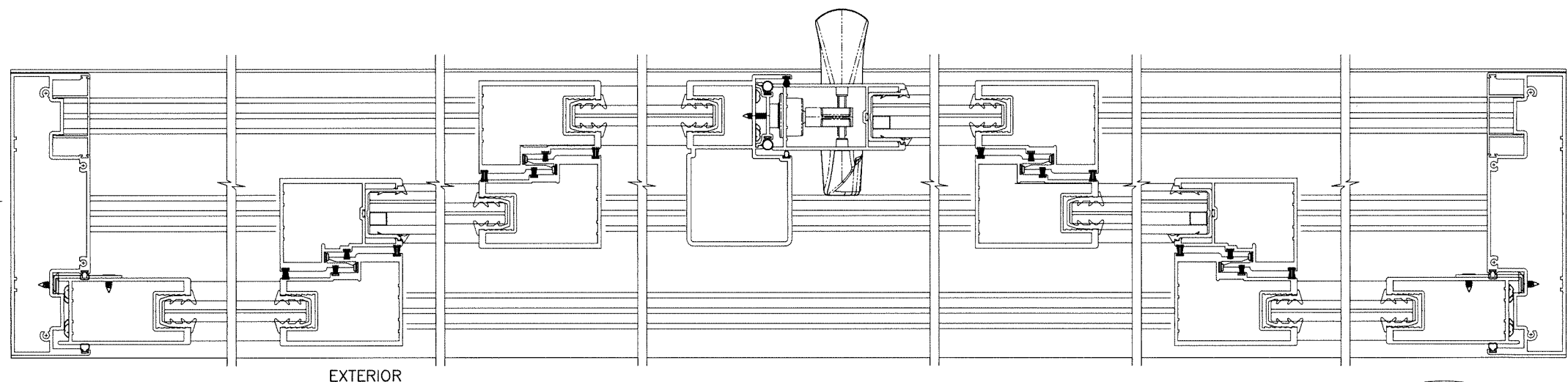
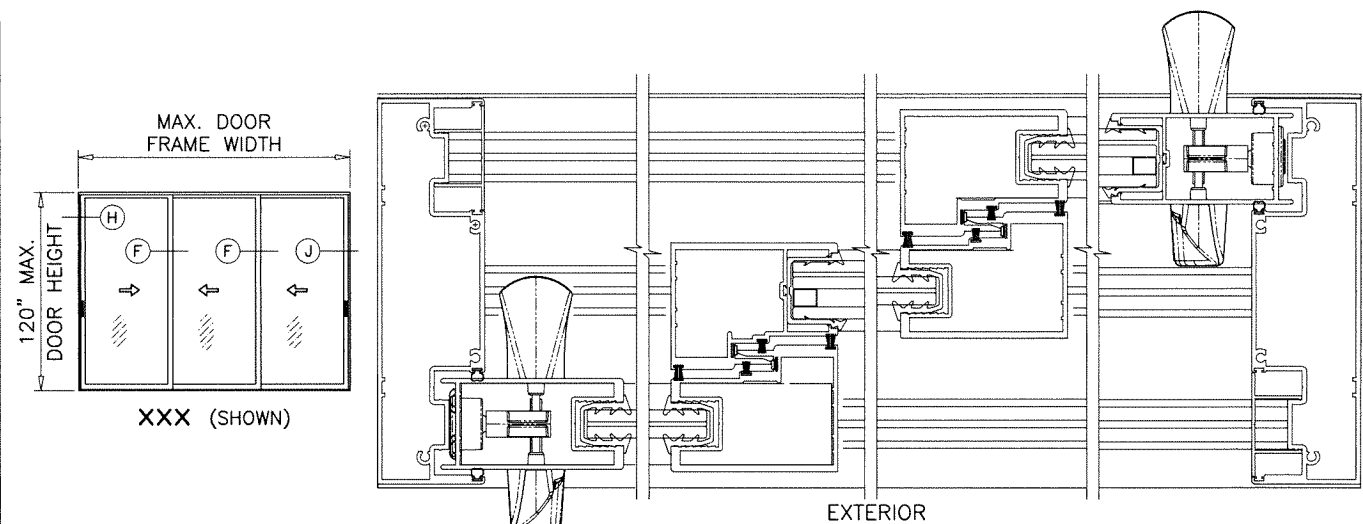
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:
no date by description

date: 07-24-17
scale: -
dr. by: TARIQ
chk. by:

drawing no.
W17-72
sheet **5** of **16**

COMP-ANL\W17-72ESW



1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE DESIGN PRESSURES SEE SHEET 4.
3. FOR ANCHOR DETAILS SEE SHEETS 7 THRU 11.

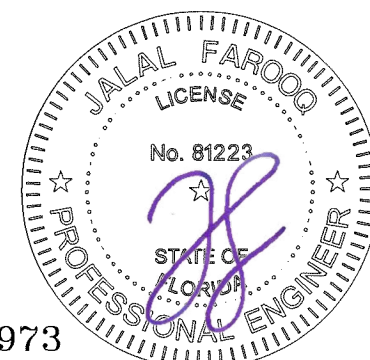
APPROVED CONFIGURATIONS

MAX. 6 PANELS OR LESS
MAX. FRAME AREA NOT TO EXCEED 236.1 SQ. FT. (DOORS WITHOUT HEAD RECEPTORS)
MAX. FRAME AREA NOT TO EXCEED 235.9 SQ. FT. (DOORS WITH HEAD RECEPTORS)

3-TRACKS UN-REINFORCED S.G.D.

Sealed: 9/22/2026

FL #22973



SERIES ES-6600-3 TRACK ALUM SLIDING GL. DOOR (S.M.I.)

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COMP-ANL\W17-72ESW

revisions:	no date	by description
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date: 07-24-17

scale: —

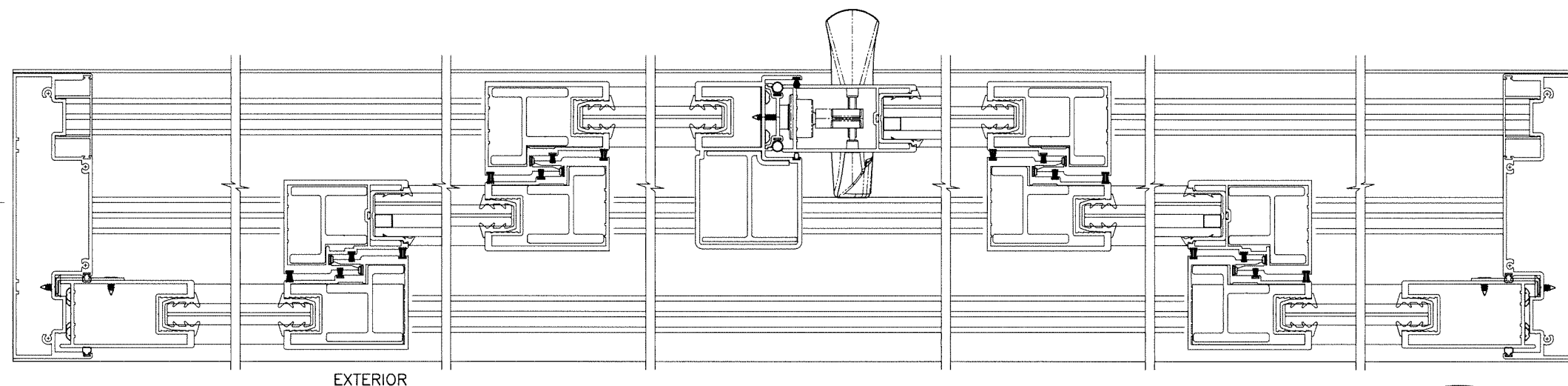
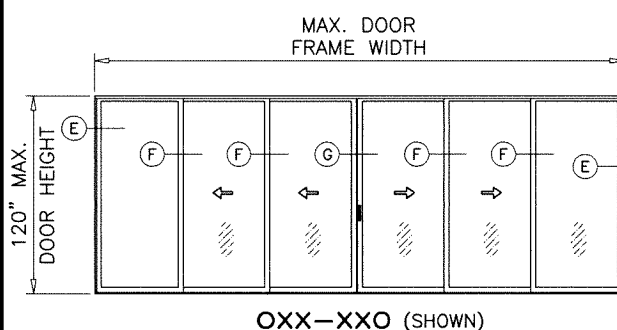
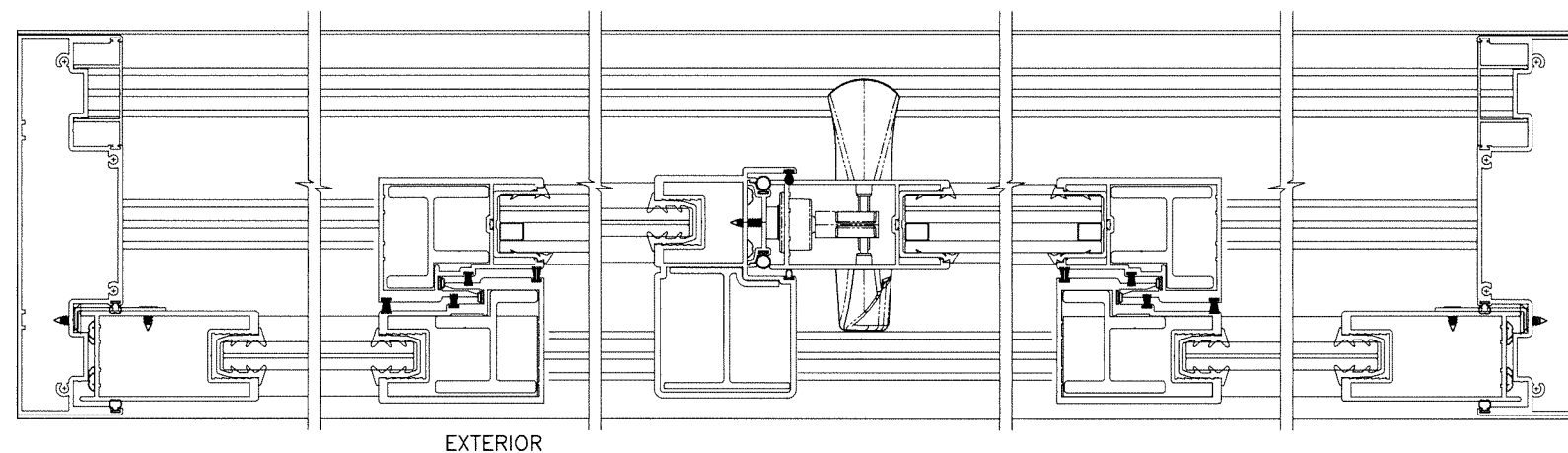
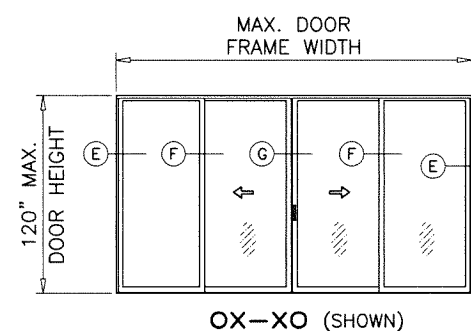
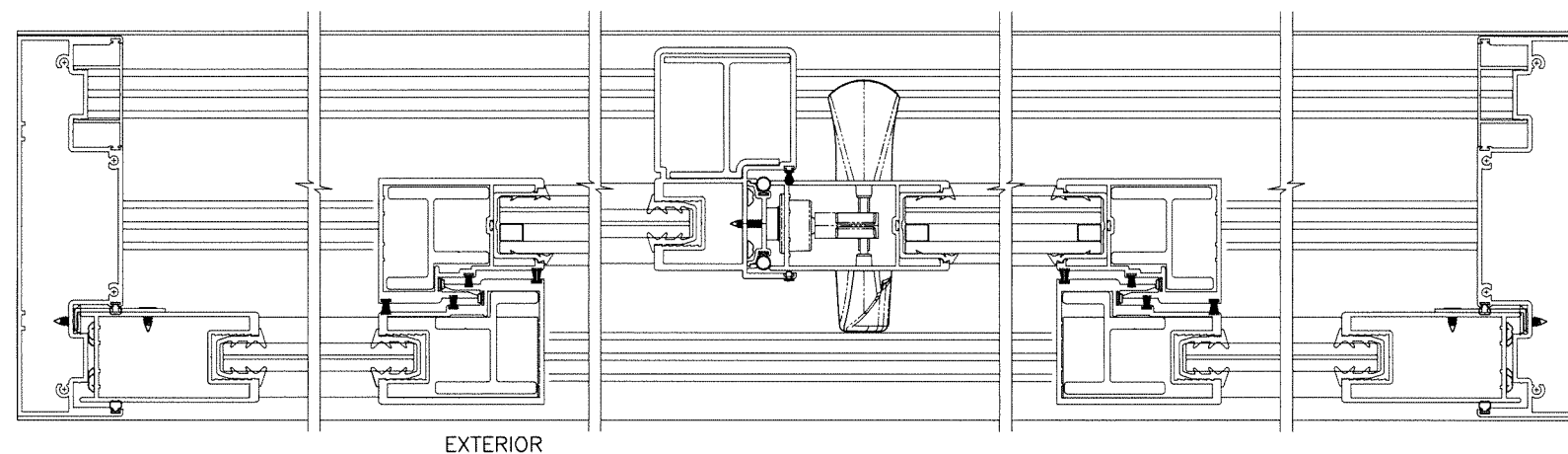
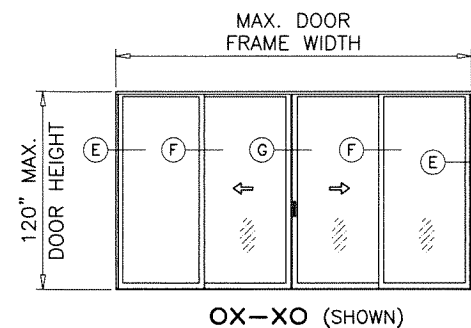
dr. by: TARIO

chk. by:

drawing no.

W17-72

sheet 6 of 16



3-TRACKS REINFORCED S.G.D.

APPROVED CONFIGURATIONS

MAX. 6 PANELS OR LESS

MAX. FRAME AREA NOT TO EXCEED 236.1 SQ. FT. (DOORS WITHOUT HEAD RECEPTORS)

MAX. FRAME AREA NOT TO EXCEED 235.9 SQ. FT. (DOORS WITH HEAD RECEPTORS)

NOTE:

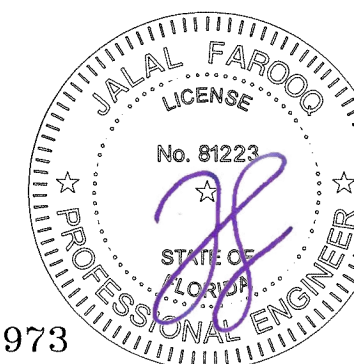
1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.

2. FOR APPLICABLE DESIGN PRESSURES AND REINFORCEMENTS REQUIREMENTS SEE SHEET 4.

3. FOR ANCHOR DETAILS SEE SHEETS 7 THRU 11.

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FL #22973



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ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
(C.A.N. 3538)
TEL. (305) 264-8300 FAX. (305) 262-6978

SERIES ES-6600-3 TRACK ALUM SLIDING GL. DOOR (S.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142

revisions:	no	date	by	description

date: 07-24-17

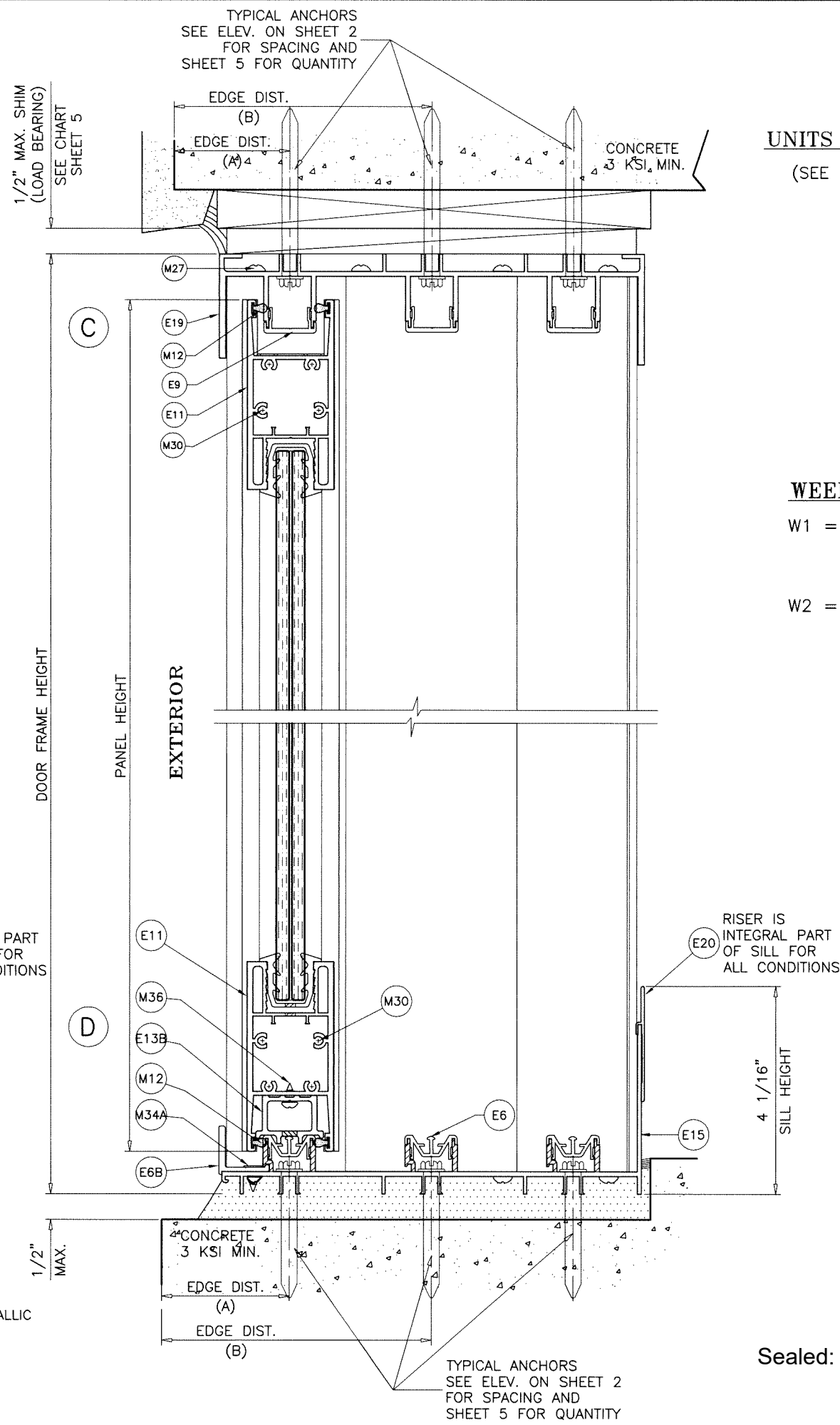
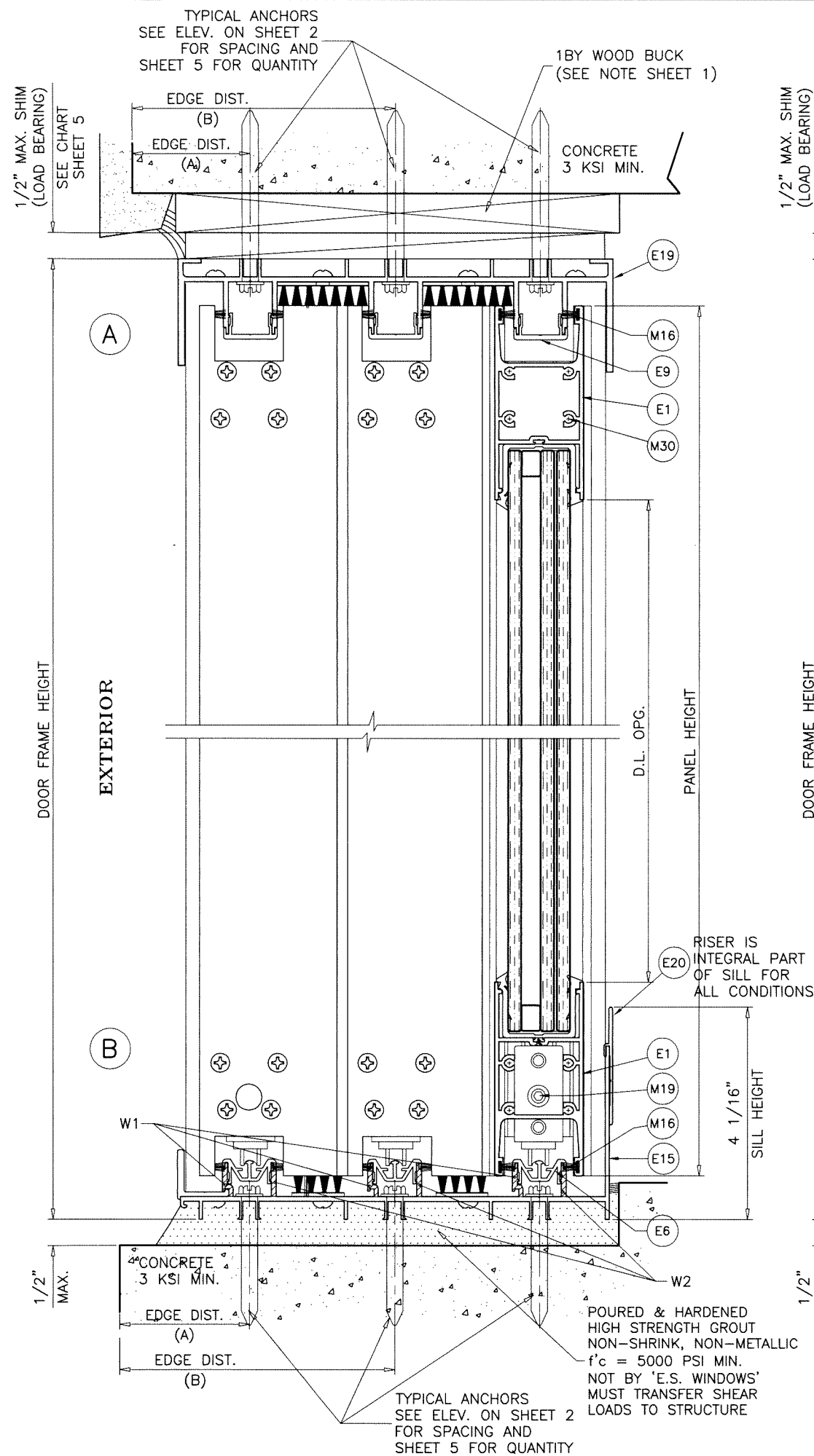
dr. by: TARIQ

chk. by:

drawing no.

W17-72

sheet 6.1 of 16



UNITS WITHOUT HEAD RECEPTORS (SEE SHEET 9 WITH HEAD RECEPTOR)

WEEPHOLES:

- W1 = 1/2" LONG WEEP NOTCHES
(1) AT 7" FROM EACH END
(2) AT MIDSPAN AT 16" O.C.
- W2 = 1/2" LONG WEEP NOTCHES
(1) AT 10" FROM EACH END
(2) AT MIDSPAN AT 16" O.C.

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FL #22973



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SERIES ES-6600-3 TRACK ALUM SLIDING GL. DOOR (S.M.I.)

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

revisions:	
no	by description

date: 07-24-17

scale: 3/8" = 1"

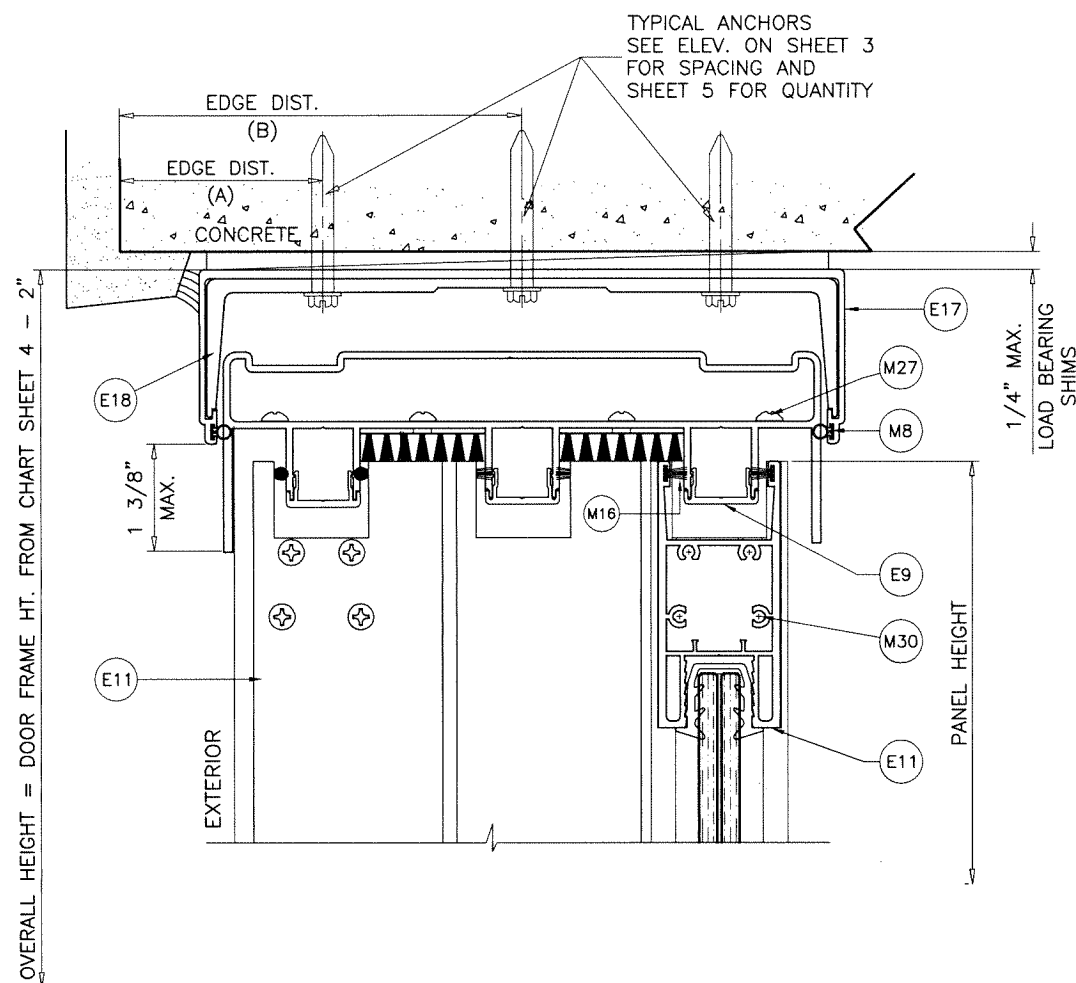
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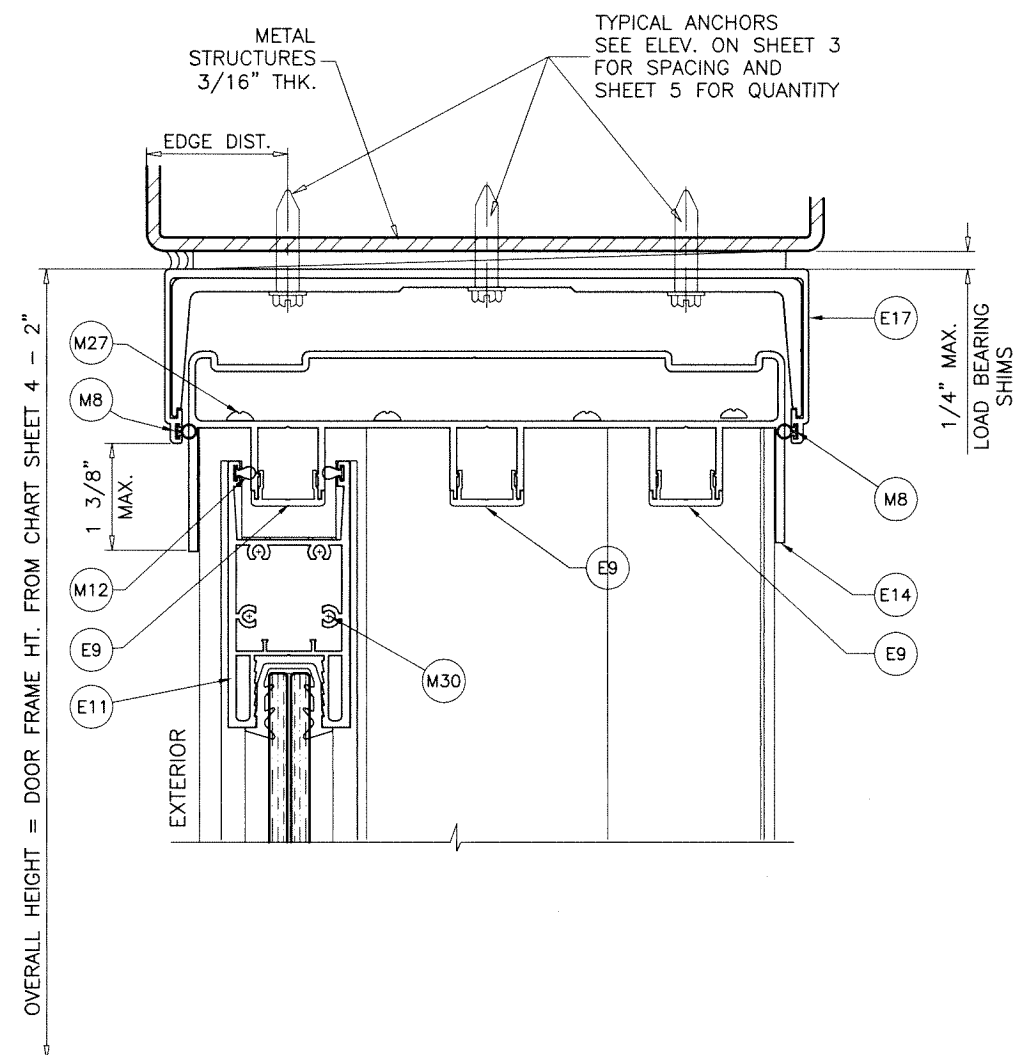
drawing no.
W17-72

sheet 7 of 16

A1
OPTIONAL



C1
OPTIONAL



UNITS WITH HEAD RECEPTORS

HEAD RECEPTOR MOUNT SHOWN,
SEE ELEVATION ON SHEET 3,
DESIGN LOAD CAPACITY ON SHEET 4,
AND ANCHOR CAPACITY CHART IN SHEET 5

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

— AT HEAD (FOR DOORS WITH RECEPTOR) —

5/16\" DIA. ULTRACON BY 'DEWALT' ($F_u=177$ KSI, $F_y=155$ KSI)

DIRECTLY INTO CONCRETE

1-3/4\" MIN. EMBED

5/16\" DIA. 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. ($F_y = 36$ KSI MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES

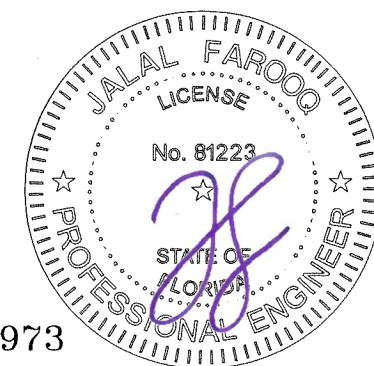
INTO CONCRETE (A) = 1-3/8\" MIN. (EXT. OR INT. TRACKS AT HEAD/SILL)

INTO CONCRETE (B) = 2-1/2\" MIN. (MIDDLE TRACK AT HEAD/SILL)

INTO METAL STRUCTURE = 1-1/2\" MIN.

CONCRETE AT HEAD/SILL $f'_c = 3000$ PSI MIN.

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FL #22973

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TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W17-72ESW

SERIES ES-6600-3 TRACK ALUM SLIDING GL. DOOR (S.M.I.)

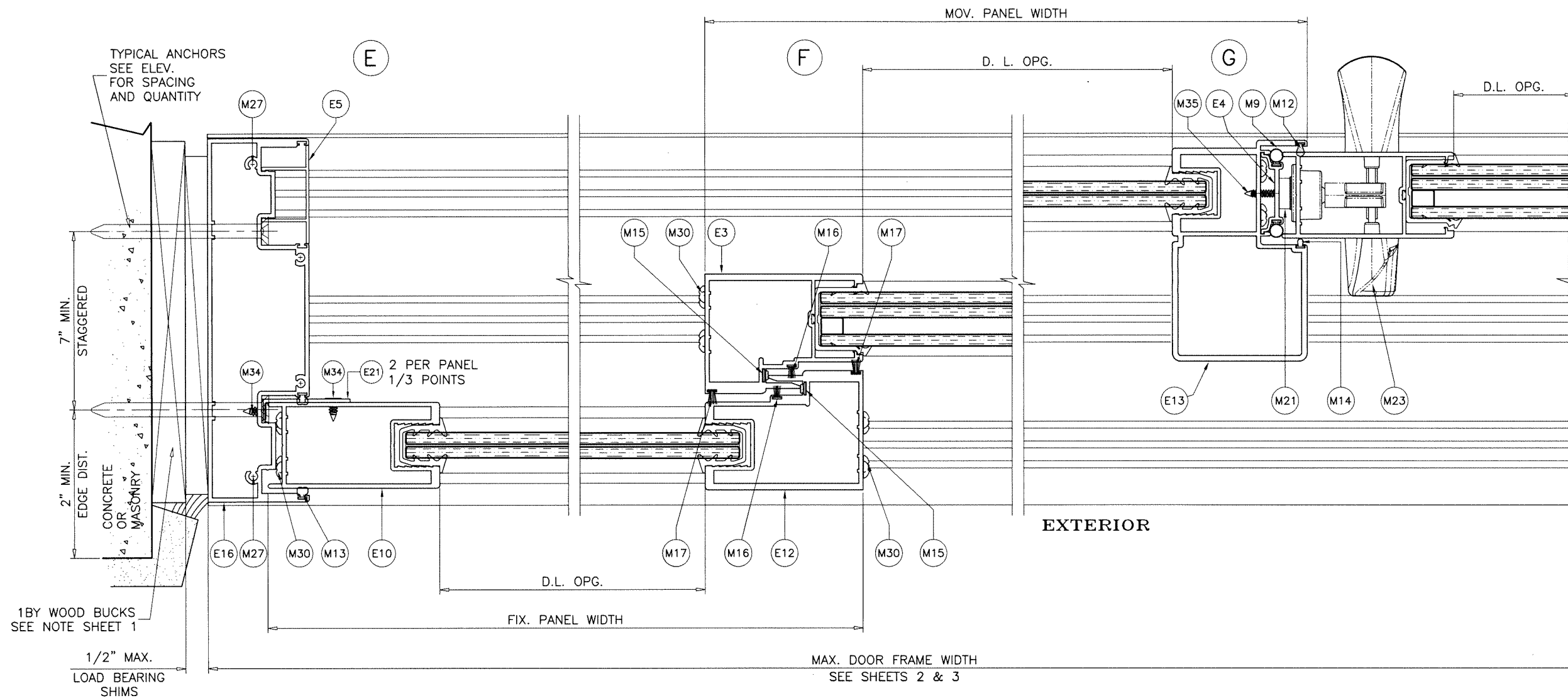
E.S. WINDOWS, LLC

3550 N.W. 49 STREET

MIAMI, FL. 33142

TEL. (305) 638-5151 FAX. (305) 638-5158

date: 07-24-17		revisions:	
scale: 3/8" = 1"		no	date
dr. by: TARIQ		by description	
chk. by:			
drawing no.			
W17-72			
sheet 9 of 16			



3-TRACKS UN-REINFORCED S.G.D.

Sealed: 9/22/2026



FL #22973

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MIAMI, FLORIDA 33173
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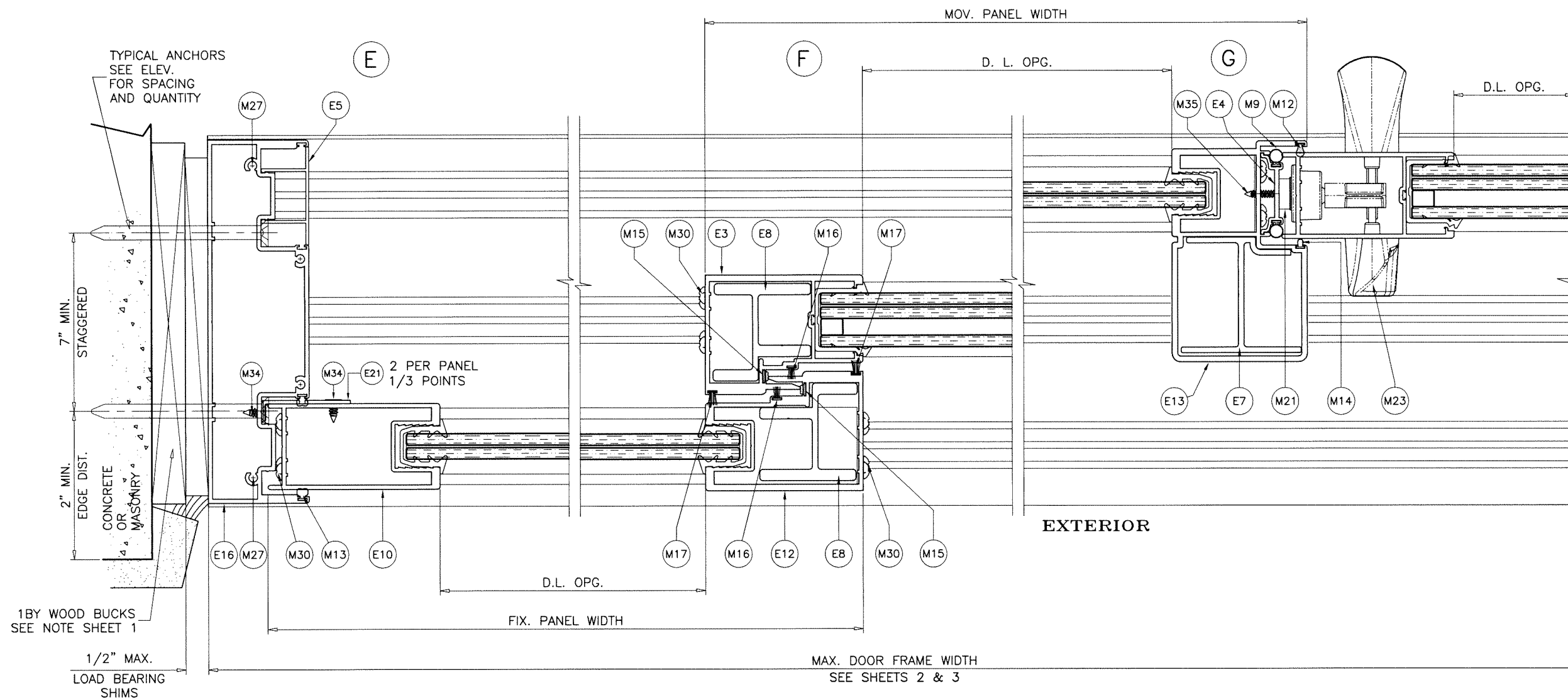
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COMP-ANL\W17-72ESW

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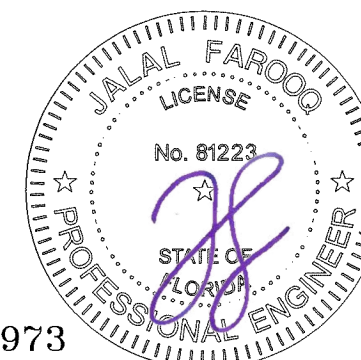
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date: 07-24-17	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:
drawing no.		sheet 10 of 16	



3-TRACKS REINFORCED S.G.D.

Sealed: 9/22/2026



FL #22973

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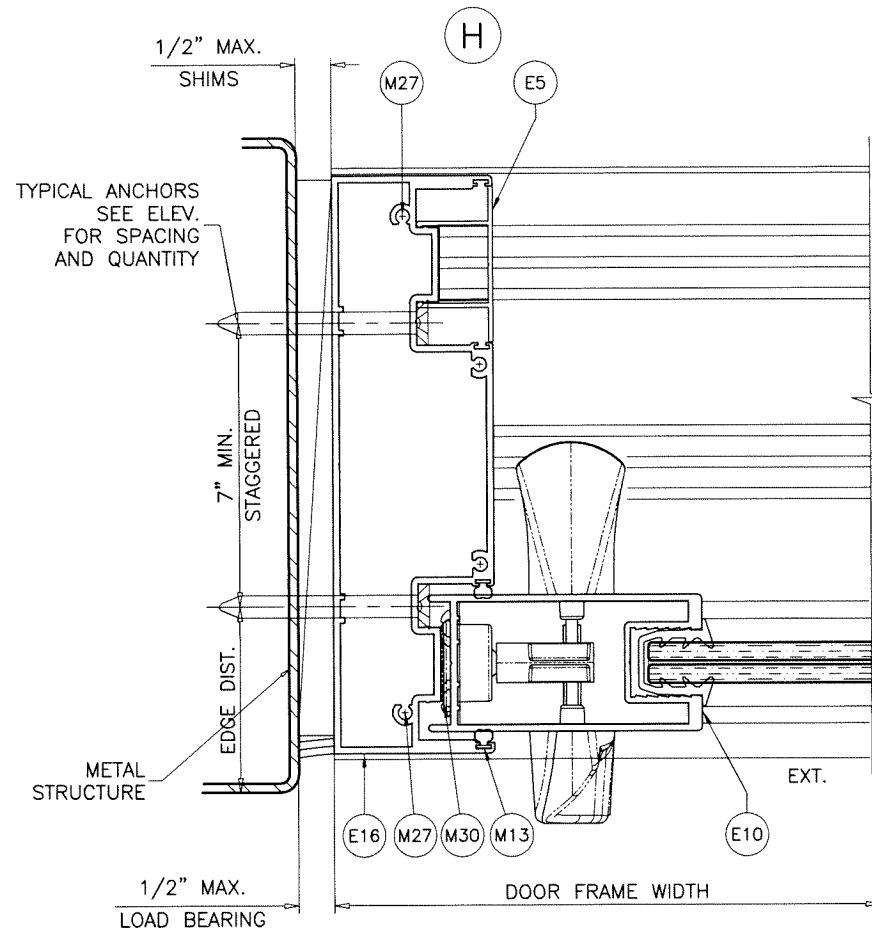
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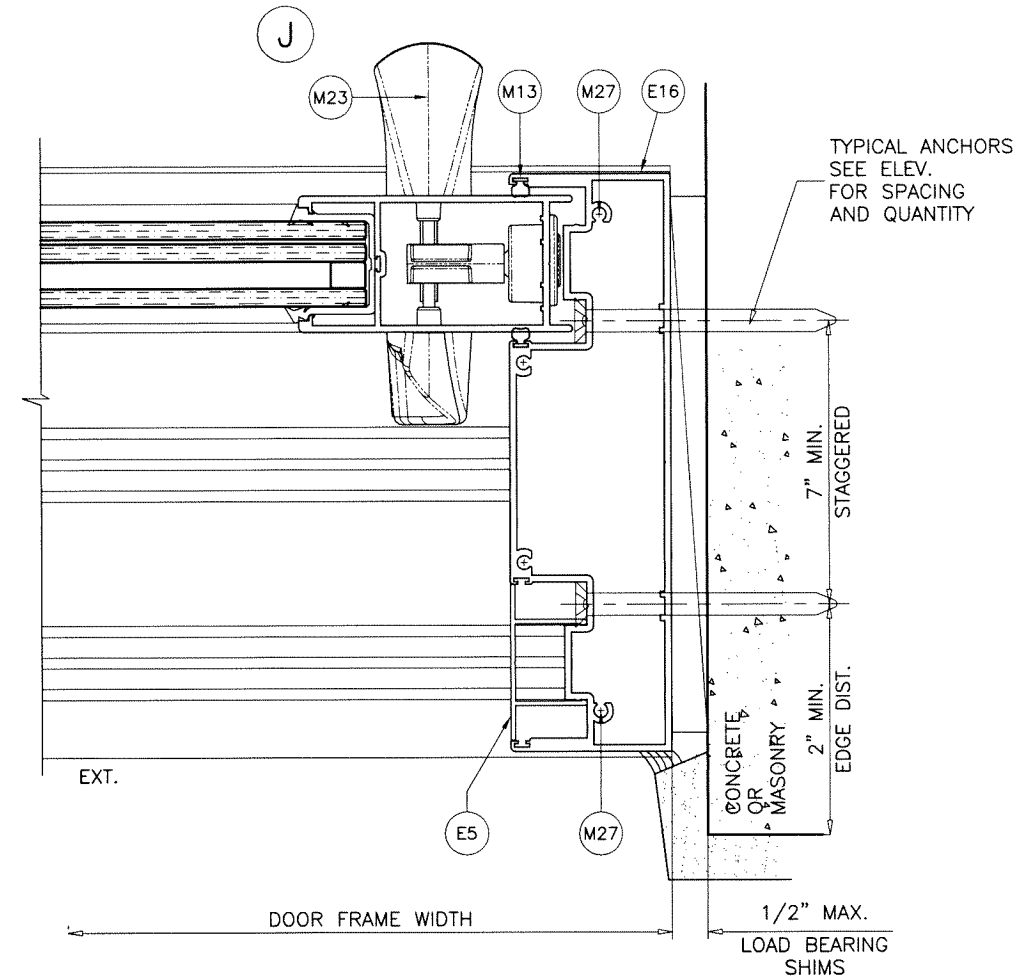
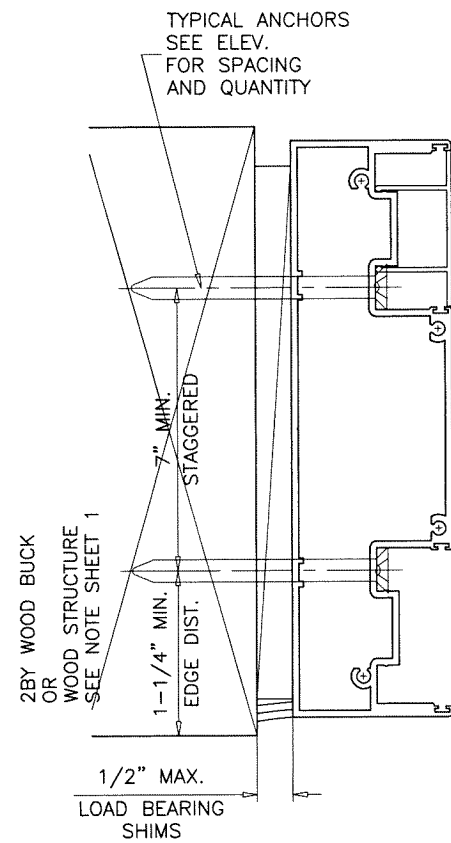
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:		date		by description	
no	date	no	date	no	date

date: 07-24-17	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:
drawing no.		no.	
W17-72		no.	
Sheet 10.1 of 16		no.	



UN-REINFORCED S.G.D.



UN-REINFORCED S.G.D.

Sealed: 9/22/2026



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
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COMP-ANL W17-72ESW

SERIES ES-6600-3 TRACK ALUM SLIDING GL. DOOR (S.M.I.)

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MIAMI, FL. 33142
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				W17-72	
				sheet 11 of 16	

FL #22973

FREE STANDING JAMB DESIGN LOAD CAPACITY - PSF					
NOM. PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	UN-REINFORCED SGD FIX./OPERABLE PANELS		REINFORCED SGD FIX. PANELS ONLY	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
36	84	85.0	85.0	120.0	135.0
42		85.0	85.0	120.0	135.0
48		85.0	85.0	120.0	135.0
54		85.0	85.0	120.0	135.0
60		85.0	85.0	120.0	135.0
36	90	85.0	85.0	120.0	135.0
42		85.0	85.0	120.0	135.0
48		85.0	85.0	120.0	135.0
54		85.0	85.0	120.0	135.0
60		85.0	85.0	120.0	135.0
36	96	85.0	85.0	120.0	135.0
42		85.0	85.0	120.0	135.0
48		85.0	85.0	120.0	135.0
54		85.0	85.0	120.0	135.0
60		85.0	85.0	120.0	135.0
36	102	85.0	85.0	120.0	135.0
42		85.0	85.0	120.0	135.0
48		85.0	85.0	120.0	135.0
54		85.0	85.0	120.0	135.0
36	108	85.0	85.0	120.0	135.0
42		85.0	85.0	120.0	135.0
48		85.0	85.0	120.0	135.0
36	114	85.0	85.0	120.0	135.0
42		85.0	85.0	120.0	135.0
48		85.0	85.0	120.0	135.0
36	118-1/8	85.0	85.0	120.0	135.0
42		85.0	85.0	120.0	135.0
48		85.0	85.0	120.0	135.0
36	120	85.0	85.0	120.0	135.0
42		85.0	85.0	120.0	135.0
48		85.0	85.0	120.0	135.0

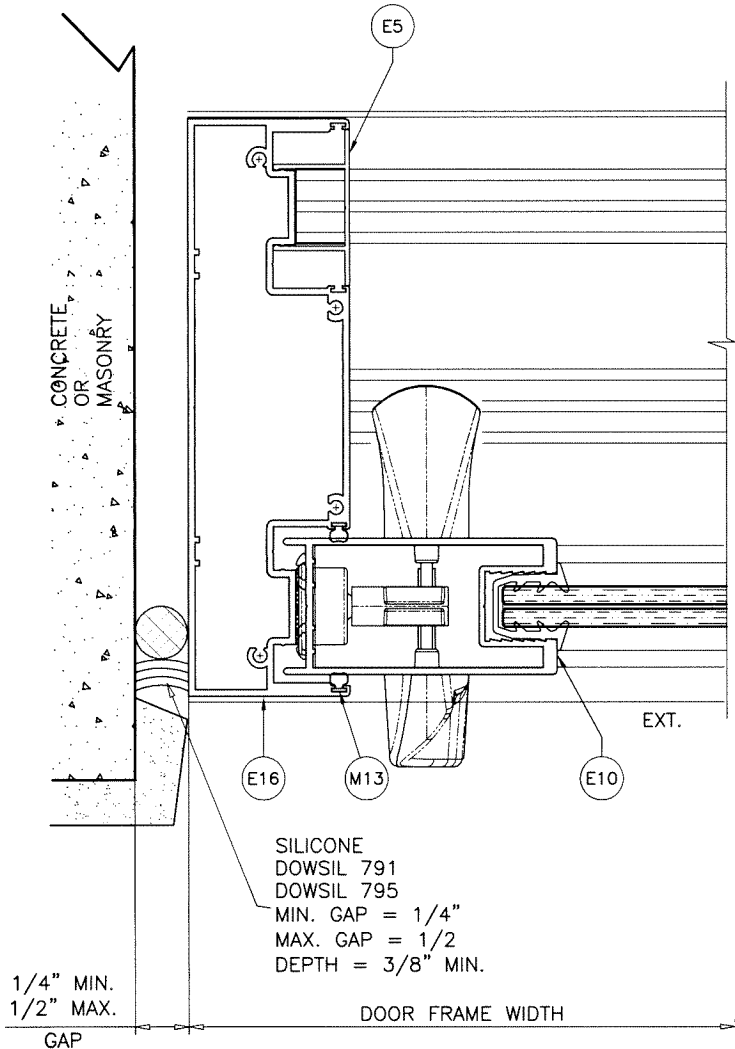
DOWSIL 791 = 50% STRETCH
DOWSIL 795 = 100% STRETCH

ALLOWABLE LOADS FOR DOOR HEIGHTS VERSUS 50% OR 100% STRETCH SILICONES (SEE DESIGN LOAD CAPACITY ON SHEET 4)				
DOOR HEIGHT	1/4" MIN. GAP		3/8" MIN. GAP	
	50%	100%	50%	100%
96"	135 PSF	135 PSF	135 PSF	135 PSF
114"	85 PSF	135 PSF	135 PSF	135 PSF
120"	-	-	-	135 PSF
MAXIMUM GAP = 1/2" ALL CASES				

NOTE:
DATA IN THIS SHEET MAY BE USED TO QUALIFY SPECIFIED
JOINT SEALANT TO BE USED AT UNANCHORED FREE
STANDING JAMBS.
PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND
APPLICATION MANUAL FOR COMPATABILITY OF SEALANT TO
SUBSTRATE & DOOR MATERIAL FINISH AND COMPLIANCE
FOR WARRANTY. (UNDER SEPARATE REVIEW)

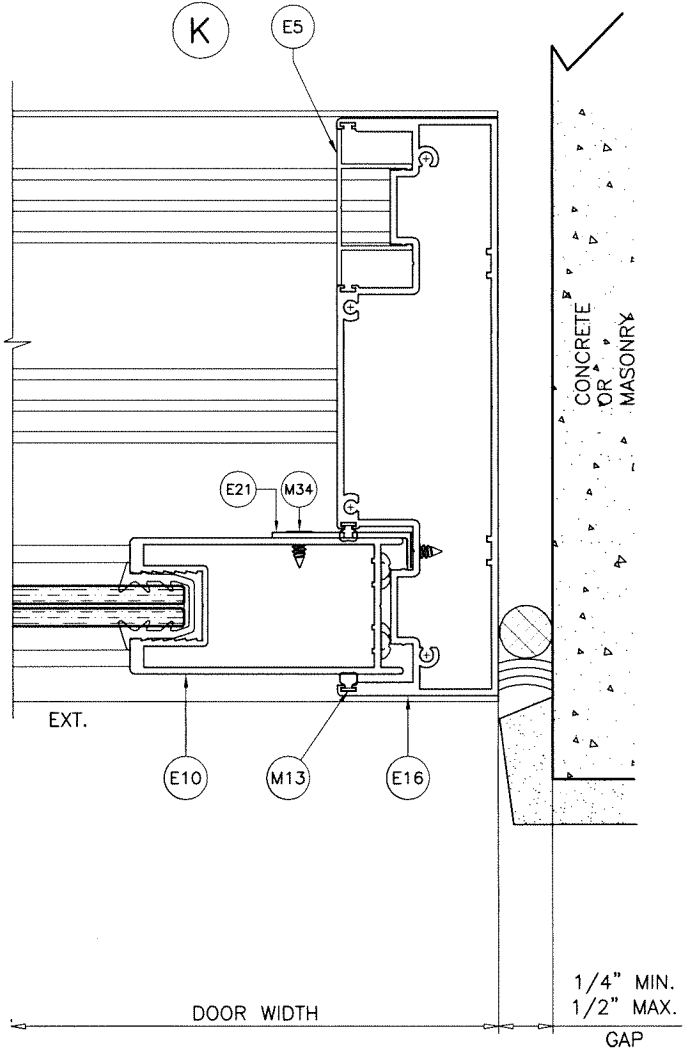
CONDITIONS OR OTHER SEALANTS NOT COVERED IN THIS
SHEET TO BE ENGINEERED SEPARATELY AND TO BE
REVIEWED BY AHJ.

SEE SHEET 6 FOR APPROVED CONFIGURATIONS OF UN-REINFORCED SGD,
AND SHEET 6.1 FOR APPROVED CONFIGURATIONS OF REINFORCED SGD.



FREE STANDING JAMB
OPERABLE SIDE

Ix IN^4	Sx IN^3
11.784	4.716



FREE STANDING JAMB
FIXED SIDE

Ix IN^4	Sx IN^3
11.784	4.716



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FL #22973

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COMP-ANL\W17-72ESW

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no	date	by	description

date: 07-24-17 scale: 3/8" = 1" dr. by: TARIQ chk. by:

drawing no. **W17-72**

sheet 12 of 16

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	ES-6600-005	2/ PANEL	TOP AND BOTTOM RAIL (INSUL. LAM. GLASS)	6063-T6	-
E2	ES-6600-006	1/ PANEL	LOCK STILE (INSUL. LAM. GLASS)	6063-T6	-
E3	ES-6600-007	1/ PANEL	INTERLOCK STILE (INSUL. LAM. GLASS)	6005-T6	-
E4	ES-6600-009	1	ASTRAGAL ADAPTER	6063-T6	-
E5	ES-6600-012	2	SNAP-IN JAMB COVER (OPTIONAL)	6063-T5	-
E6	ES-6600-013	1	TRACK INSERT	6063-T6	-
E6B	ES-6600-014A	AS REQD.	RETAINER ANGLE, 7" LONG	6063-T6	AT INTERLOCK LOCATIONS
E7	ES-6600-016	AS REQD.	ASTRAGAL REINFORCEMENT, FULL PANEL LENGTH	6005-T5	-
E8	ES-6600-017	AS REQD.	INTERLOCK REINFORCEMENT, FULL PANEL LENGTH	6005-T5	-
E9	ES-6600-018	AS REQD.	HEAD COVER (OPTIONAL)	6063-T5	-
E10	ES-6600-023	1/ PANEL	LOCK STILE (LAM. GLASS)	6063-T6	-
E11	ES-6600-024A	2/ PANEL	TOP AND BOTTOM RAIL (LAM. GLASS)	6063-T6	-
E12	ES-6600-025	1/ PANEL	INTERLOCK STILE (LAM. GLASS)	6063-T6	-
E13	ES-6600-026	1	ASTRAGAL STILE (LAM. GLASS)	6063-T6	-
E13A	ES-6600-008	1	ASTRAGAL STILE (INSUL. LAM. GLASS)	6063-T6	-
E13B	ES-6600-033	2/ FIX. PANEL	FIXED PANEL BOTTOM GUIDE, 7" LONG	6063-T5	-
E14	ES-6600-050	1	FRAME HEAD AT RECEPTOR	6063-T6	-
E15	ES-6600-051	1	FRAME SILL	6063-T6	-
E16	ES-6600-052	2	FRAME JAMB	6063-T6	-
E17	ES-6600-053	1	HEAD RECEPTOR	6063-T6	-
E18	ES-6600-054	1	RECEPTOR REINFORCEMENT, FULL LENGTH	6063-T6	-
E19	ES-6600-055	1	FRAME HEAD	6063-T6	-
E20	ES-6600-028	1	SILL RISER	6063-T5	-
E21	ES-CF-001A	AS REQD.	FIX. PANEL CLIP, 4" LONG, AT 1/3 POINTS	6063-T5	-
M2	ES-6600-G02A	4/ PANEL	GLAZING GASKET (LAM. GLASS)	SILICONE	DUROMETER 65±5 SHORE A, EXTRUSIONES S.A.
M3	ES-6600-G01	4/ PANEL	GLAZING GASKET (INSUL. LAM. GLASS)	SILICONE	DUROMETER 65±5 SHORE A, EXTRUSIONES S.A.
M6	ES-4018A	AS REQD.	GLAZING GASKET	EPDM	DUROMETER 75±5 SHORE A
M8	ES-5008A	AS REQD.	BULB W'STRIPPING	SILICONE	DUROMETER 65±5 SHORE A
M9	E-214	AS REQD.	ASTRAGAL ADAPTER W'STRIPPING	VINYL	THERMOPLASTIC ELASTOMER, DUROMETER 65±5 SHORE A
M12	Q300T190	AS REQD.	FABRIC COATED FOAM WEATHERSEAL	POLYETHYLENE	Q-LONG
M13	Q250T190	AS REQD.	JAMB W'STRIPPING	POLYETHYLENE	Q-LONG
M14	Q200T190	AS REQD.	ASTRAGAL W'STRIPPING	POLYETHYLENE	Q-LONG
M15	Q150T270	AS REQD.	INTERLOCK W'STRIPPING	POLYETHYLENE	Q-LONG
M16	W223012K	AS REQD.	PILE W'STRIPPING	POLYPROPYLENE	-
M17	W22322NK	AS REQD.	PILE W'STRIPPING AT INTERLOCK	POLYPROPYLENE	-
M18	P6304 AFK	-	ADHESIVE PILE PAD (4" X 1" X 1/2")	-	ULTRAFAB
M19	GTT-234/460-02-A	2/ PANEL	ROLLER	-	PABOSE
M20	66900-001	-	ROLLER SCREW CAP	PVC	-
M21	PS01-1005-00B	1	MORTISE LOCK KEEPER	-	INTERLOCK
M22	PS01-0035-00B	1	TWO POINT 3-PLY HOOK LOCK	-	INTERLOCK
M23	PS01-0100-117	1/ MOV. PANEL	HANDLE SET	-	INTERLOCK
M27	#12 X 1 1/2"	4/ CORNER	FRAME ASSEMBLY SCREWS	ST. STEEL	P.H. SMS
M28	#12 X 1 3/4"	AS REQD.	RECEPTOR FASTENERS	ST. STEEL	P.H. SMS
M29	#12 X 1"	AS REQD.	BUMPER FASTENERS	ST. STEEL	P.H. SMS
M30	#10 X 1 1/4"	4/ CORNER	PANEL ASSEMBLY SCREWS	ST. STEEL	P.H. SMS
M31	#8 X 3/4"	2/ ROLLER	ROLLER FASTENERS	ST. STEEL	F.H. SMS
M32	#10 X 1/2"	2/ CLIP	FIX. CLIP FASTENERS	ST. STEEL	HWH SMS
M33	#8 X 1/2"	2/ HANDLE	HANDLE SET FASTENERS	ST. STEEL	F.H. SMS
M34	#10 X 1/2"	2/ CLIP	FIX. PANEL CLIP FASTENERS	ST. STEEL	F.H. SMS
M34A	#10 X 1/2"	4/ ANGLE	RETAINER ANGLE FASTENERS	ST. STEEL	F.H. SMS
M35	#8 X 1"	AS REQD.	ASTRAGAL ADAPTER FASTENERS, AT 4" FROM EACH END	ST. STEEL	P.H. SMS
M36	#8 X 3/8"	2/ GUIDE	BOTTOM GUIDE FASTENERS	ST. STEEL	P.H. SMS

SEALANT:

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

LOCK:

SURFACE MOUNT METALLIC HANDLE AT 43-1/4" FROM BOTTOM
FASTENED TO LOCK STILE WITH
(2) #10-32 X 2-1/2" OH MS

SURFACE MOUNT METALLIC 3 PLY DUAL HOOK LOCK
43-1/4" FROM BOTTOM
FASTENED TO LOCK STILE WITH
(2) #8 X 3/4" PH SMS

SURFACE MOUNT METALLIC KEEPER AT 43-1/4" FROM BOTTOM
FASTENED TO FRAME JAMB AND ASTRAGAL STILE WITH
(3) #8 X 3/4" PH SMS

Sealed: 9/22/2026



FL #22973

**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 ES-6600-3 TRACK ALUM SLIDING GL. DOOR (S.M.I.)

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

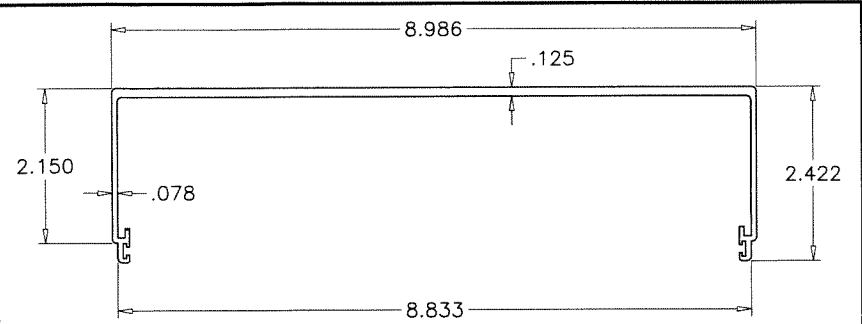
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revisions:
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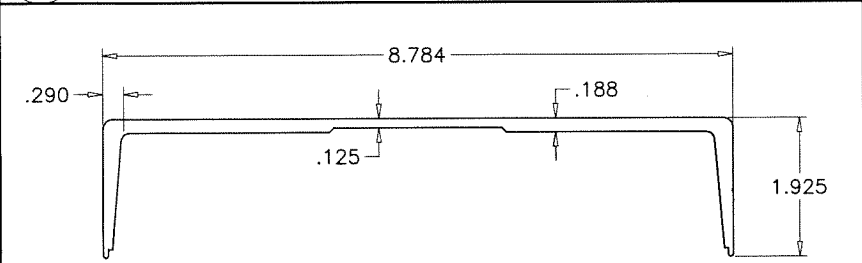
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chk. by:

drawing no.
W17-72

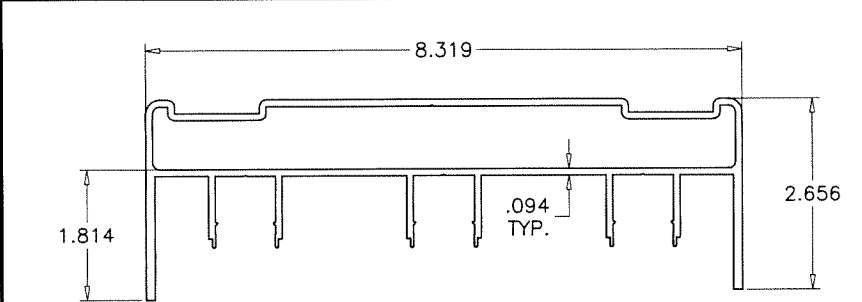
sheet 13 of 16



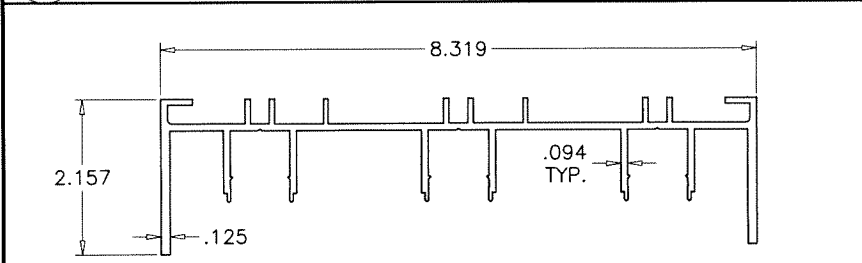
E17 HEAD RECEPTOR



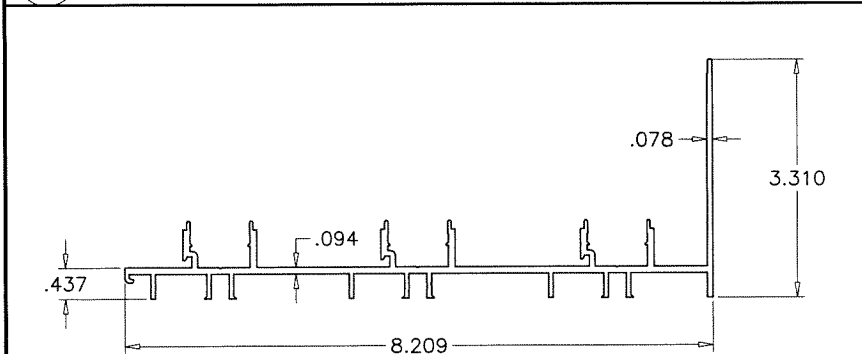
E18 RECEPTOR STIFFENER



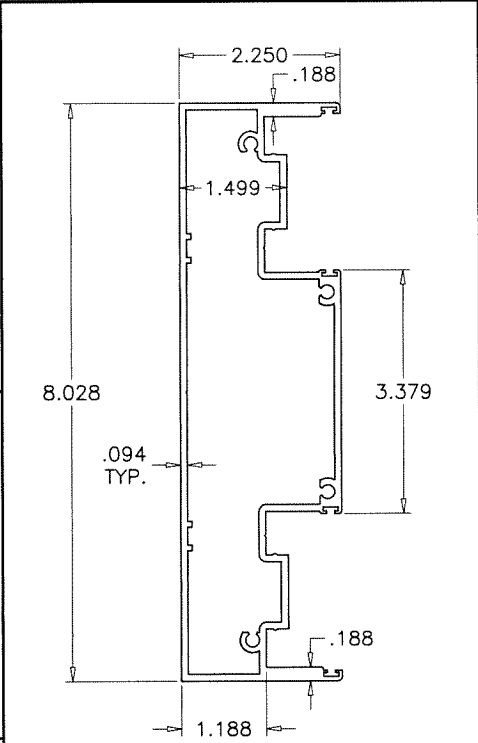
E14 FRAME HEAD AT RECEPTOR



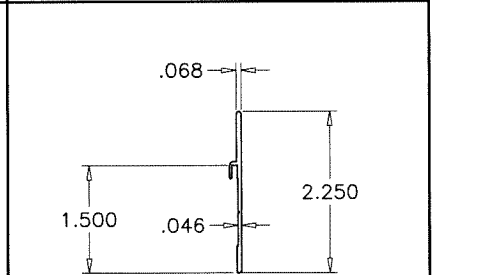
E19 FRAME HEAD
(WITHOUT HEAD RECEPTOR)



E15 FRAME SILL



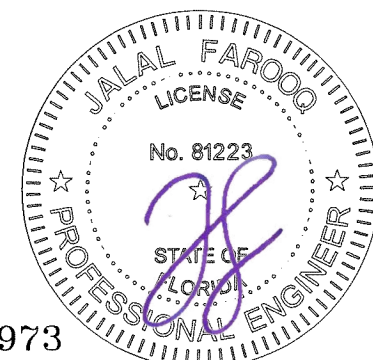
E16 STD. FRAME JAMB



E20 SILL RISER

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af c
COMP-ANL\W17-72ESW

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MIAMI, FL. 33142
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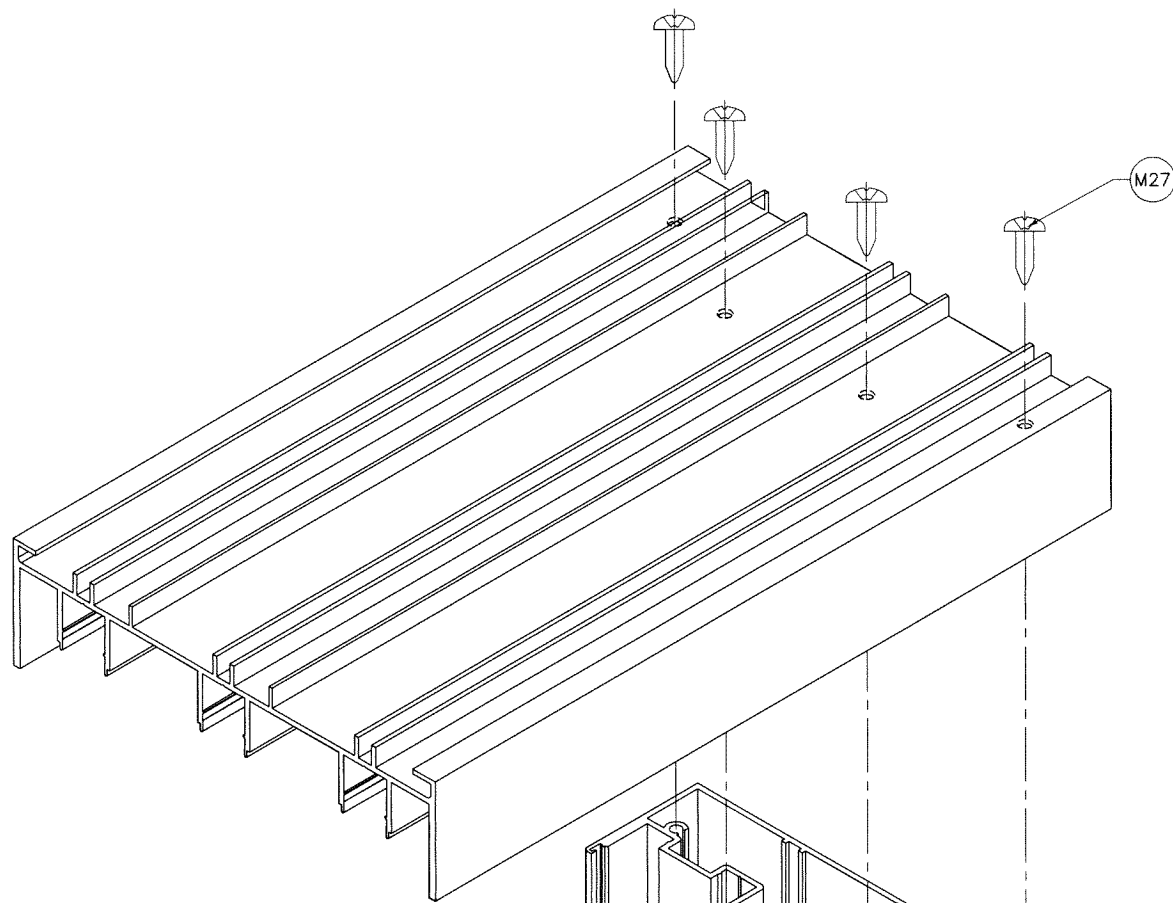
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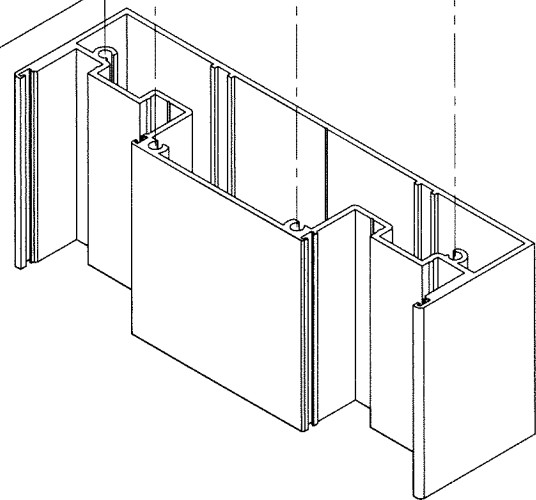
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drawing no. **W17-72**

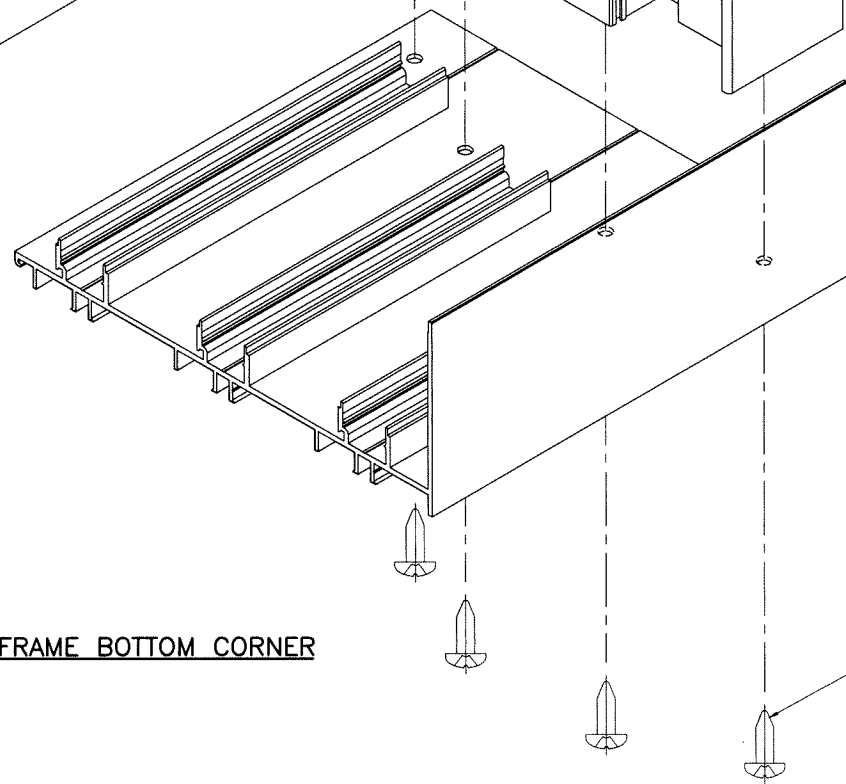
sheet 14 of 16



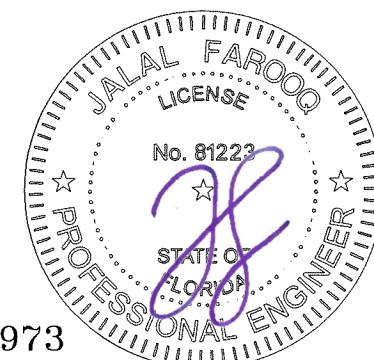
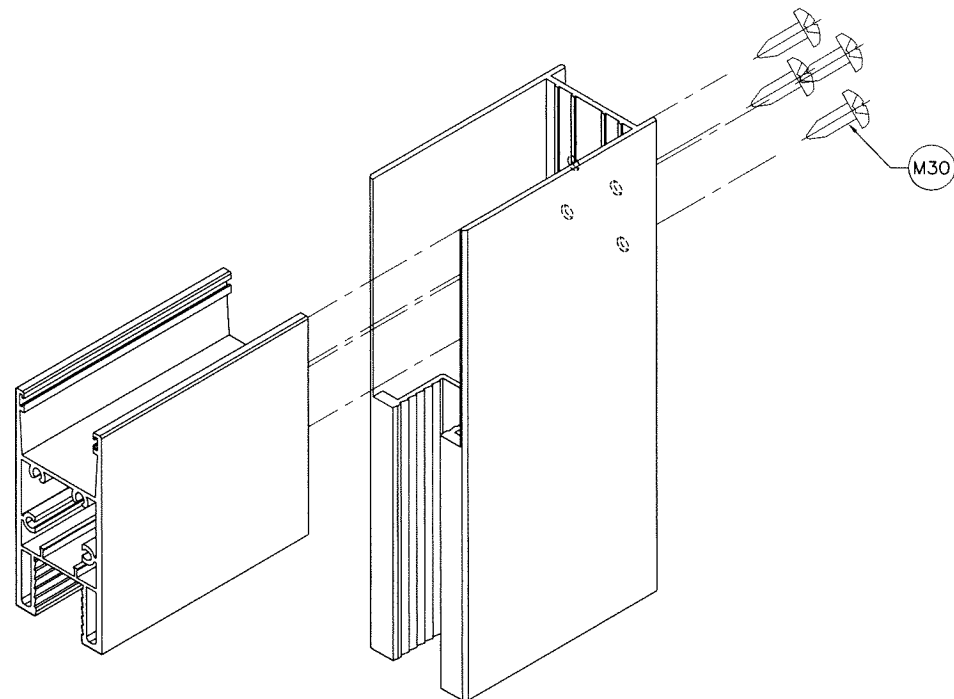
FRAME TOP CORNER



FRAME BOTTOM CORNER



PANEL TOP/BOTTOM CORNER
LAM. GLASS RAIL & STILE (SHOWN)
INSUL. LAM. GLASS RAIL & STILE (SIMILAR)



Sealed: 9/22/2026

FL #22973

af c

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revisions:		by description	
no	date	no	date

date: 07-24-17

scale: 3/8" = 1"

dr. by: TARIQ

chk. by:

drawing no. **W17-72**

sheet 16 of 16