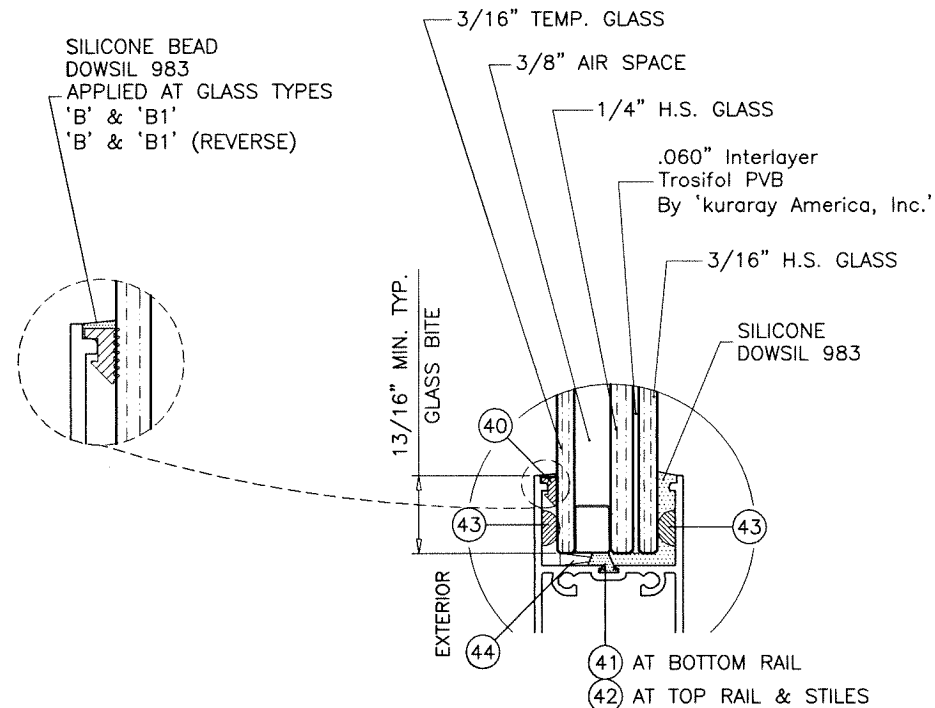
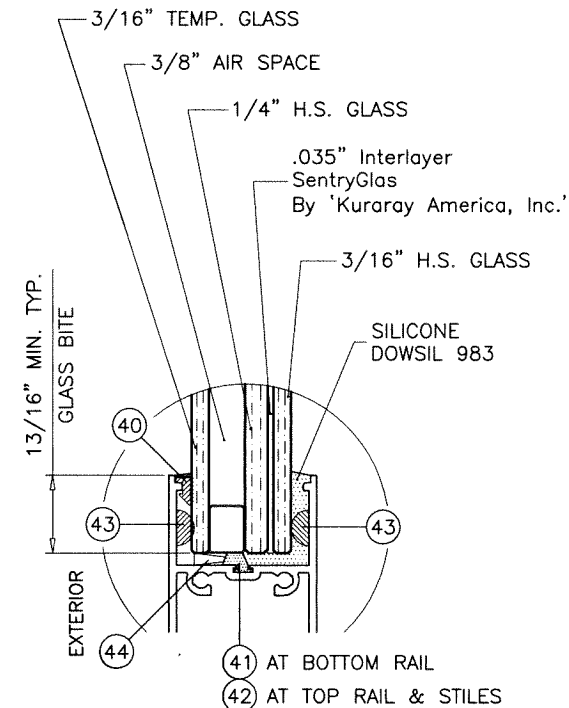
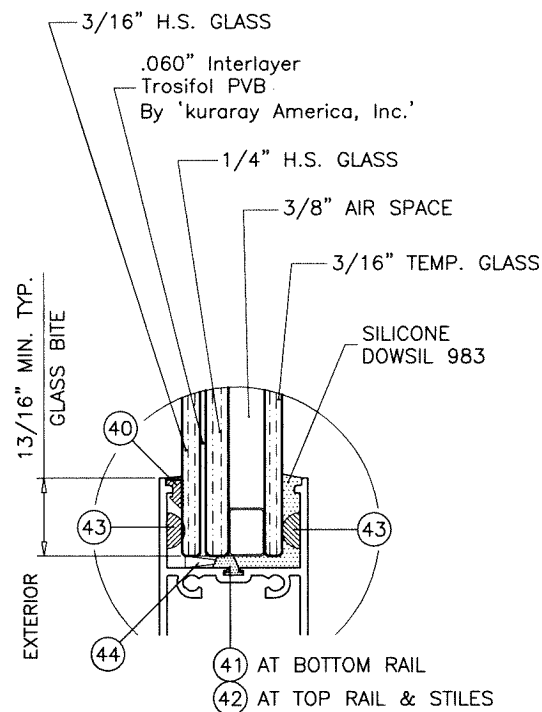




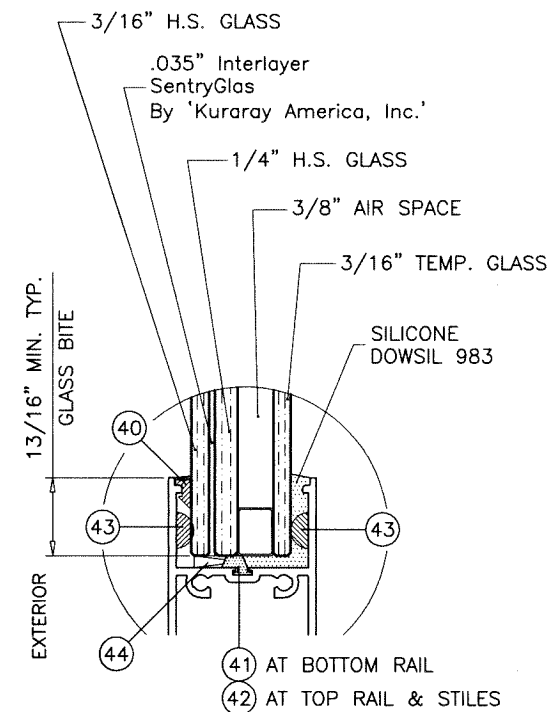
GLASS TYPE 'B'



GLASS TYPE 'B1'



GLASS TYPE 'B' (REVERSE)



GLASS TYPE 'B1' (REVERSE)

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

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.

SERIES-6100-3 TRACK ALUMINUM SLIDING GLASS DOOR

SEE SHEETS 4 THRU 5 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE AND REQUIRED REINFORCING.

USING CHART ON SHEET 6 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOADS REQUIRED.

LOWER DESIGN PRESSURES FROM GLASS 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)/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.

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.

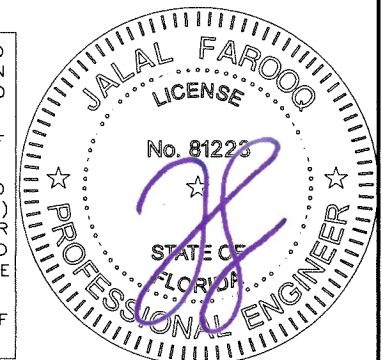
VERIFY COMPLIANCE WITH EGRESS LIMITATIONS WHERE REQUIRED.

LAMINATED GLASS
INSUL. LAM. GLASS
WET GLAZED

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.

Sealed: 9/15/2026

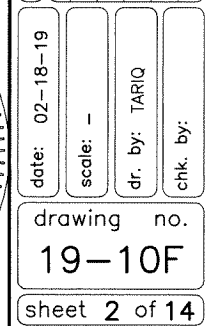
FL #22251



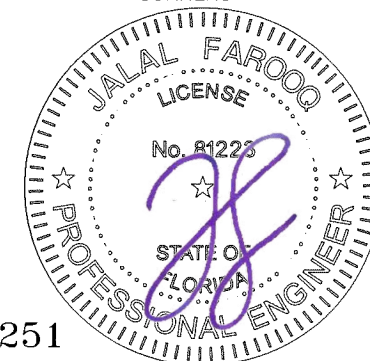
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL 19-10F-ES

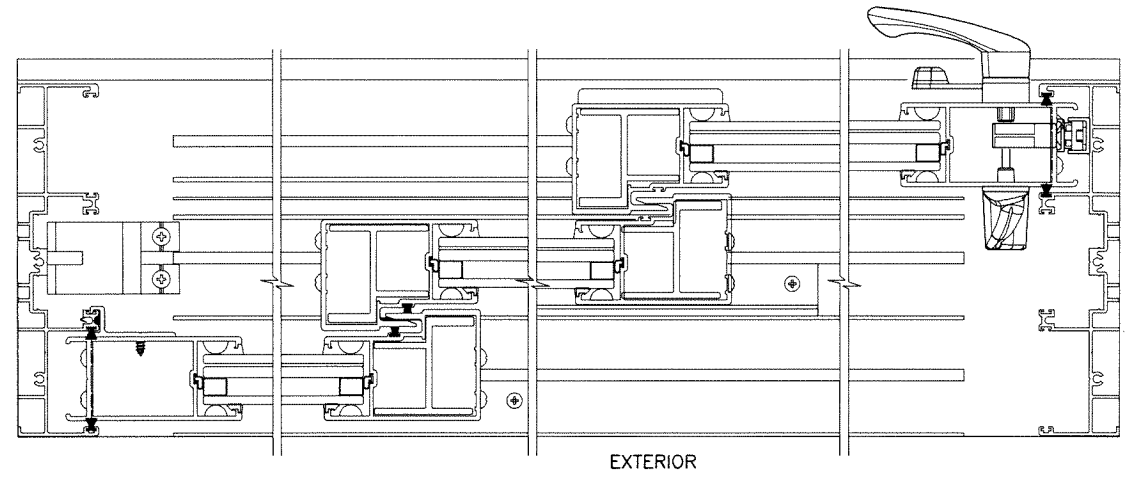
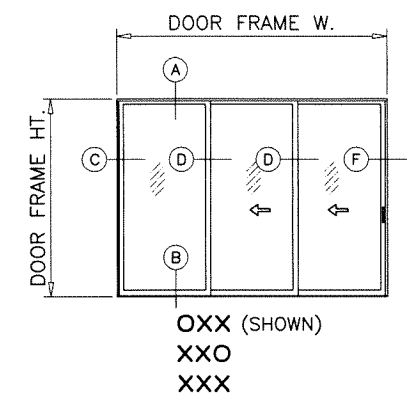
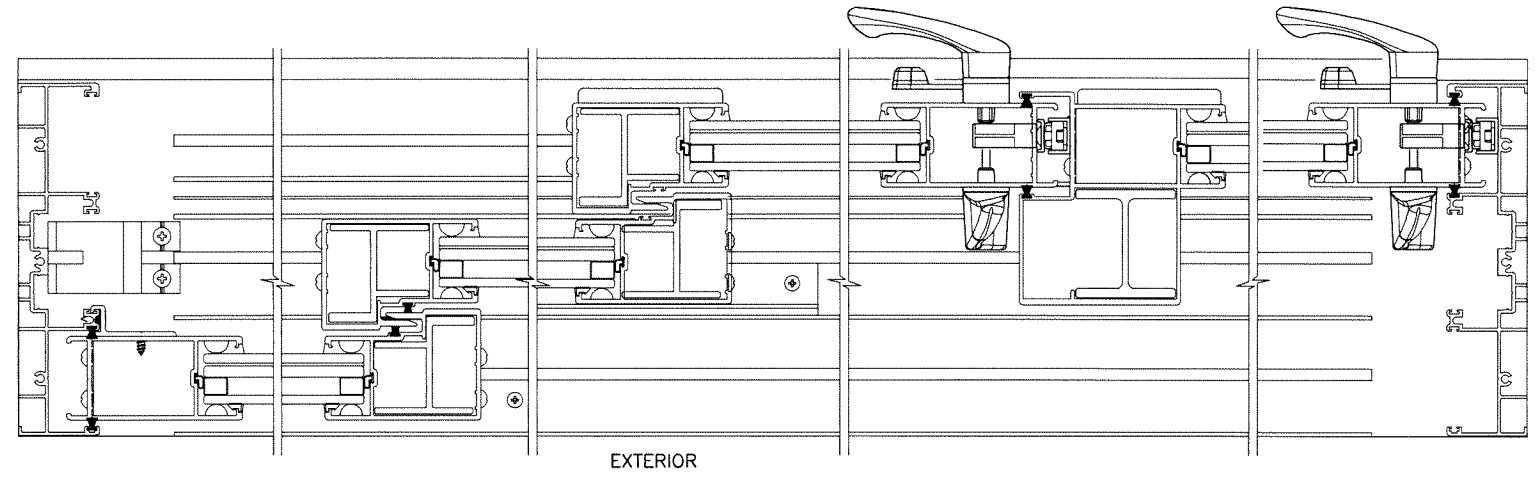
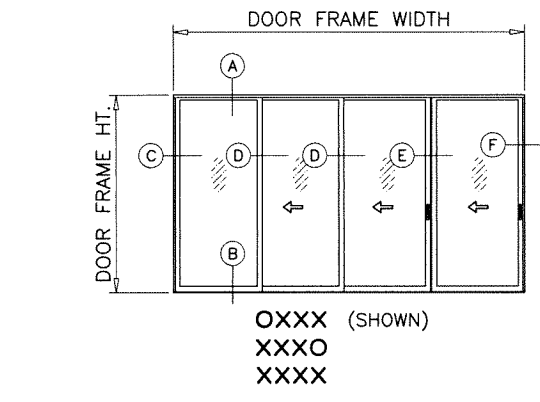
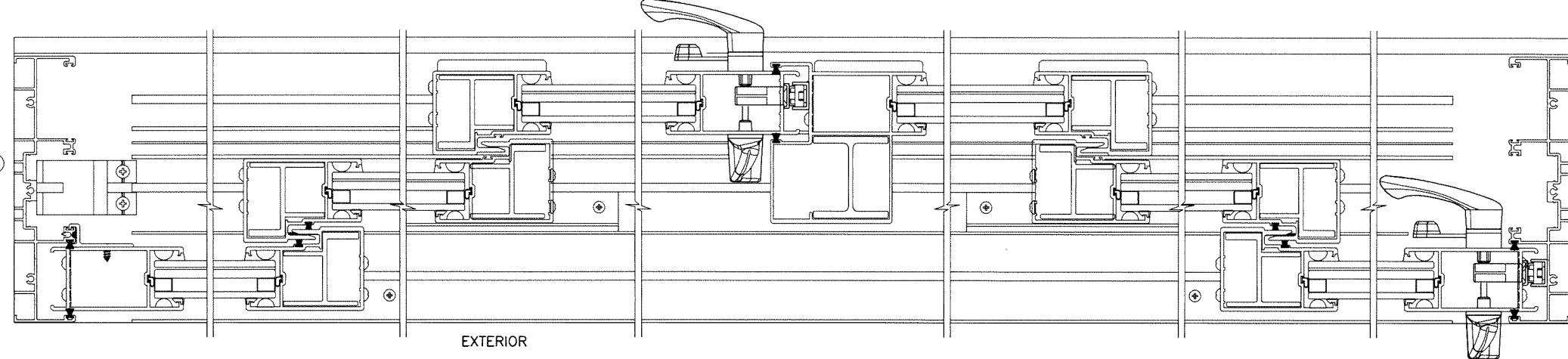
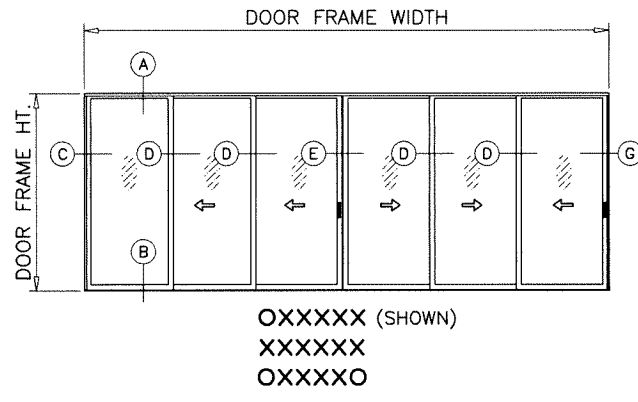
SERIES-6100-3 TRACK ALUM SLIDING GL. DOOR (S.M.I.)
E.S. WINDOWS, LLC
 3550 N.W. 49 STREET
 MIAMI, FL. 33142
 TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:	no	date	by	description
	A	09.30.20		UPDATED TO 2020 FBC
	B	07.25.23		UPDATED TO 2023 FBC
	C	09.14.26		UPDATED TO 2026 FBC
date:	02-18-19			
scale:	-			
dr. by:	TARIQ			
chk. by:				
drawing no.	19-10F			
sheet	1 of 14			



FL #22251



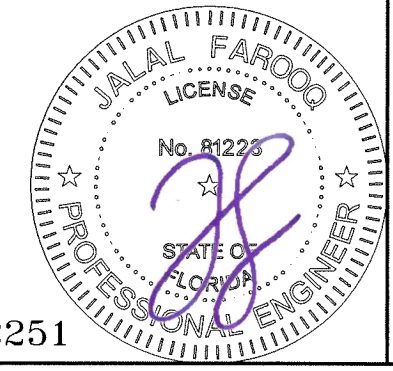


NOTE:
CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSE
SEE APPLICABLE DESIGN PRESSURE & SIZE IN
SHEETS 4 THRU 6, AND ANCHOR INSTALLATION IN
SHEET 7.

APPROVED CONFIGURATIONS

Sealed: 9/15/2026

FL #22251



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

COMP-ANL\19-10F-ES

SERIES-6100-3 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

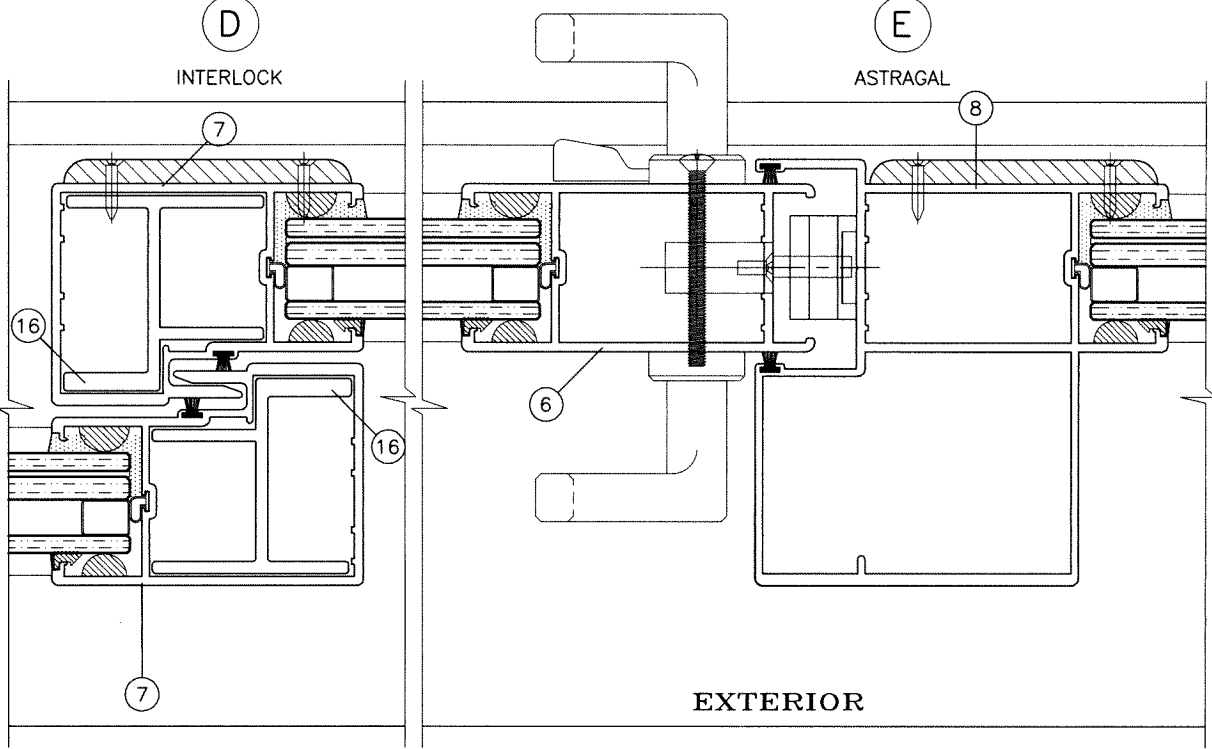
revisions:		by description	
no	date		

date: 02-18-19	scale: -	dr. by: TARIQ	chk. by:	drawing no. 19-10F
				sheet 3 of 14

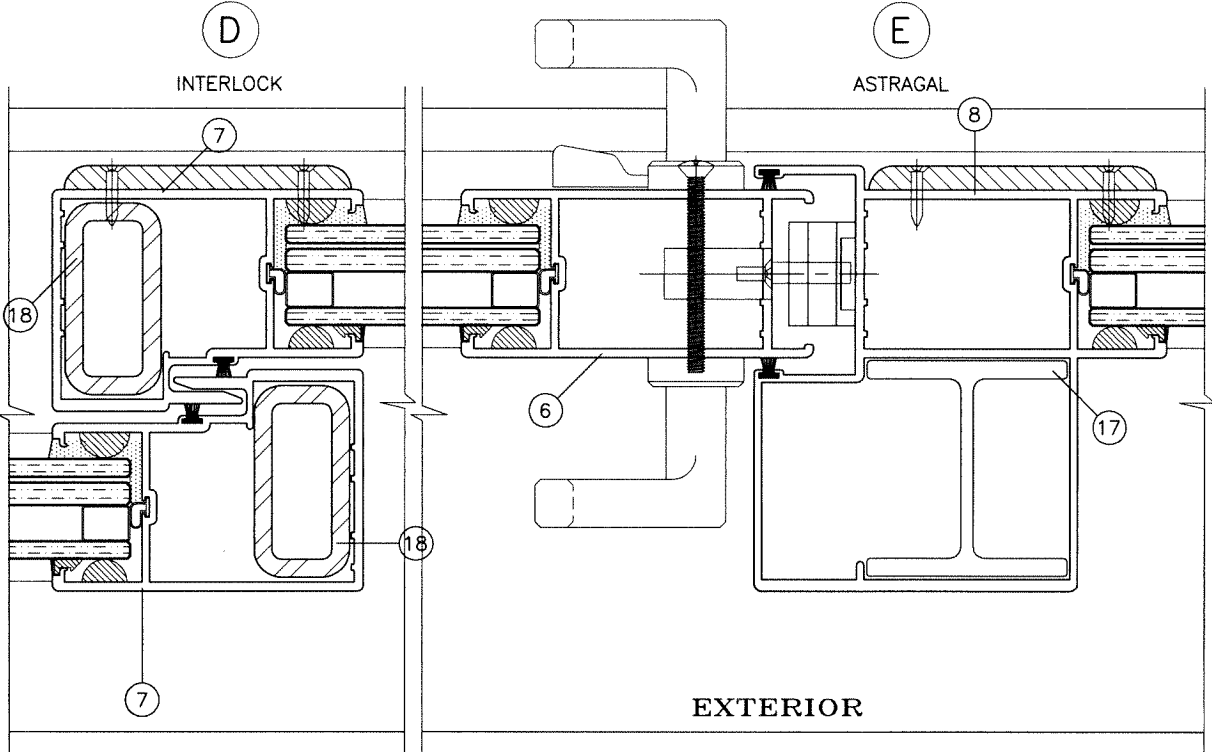
DESIGN LOAD CAPACITY - PSF GLASS TYPES 'B' & 'B1'					
PANEL WIDTH NOMINAL INCHES	DOOR HEIGHT INCHES	REINF. LEVEL '1'		REINF. LEVEL '2'	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	82	85.0	110.0	85.0	110.0
36		85.0	110.0	85.0	110.0
42		85.0	110.0	85.0	110.0
44		85.0	110.0	85.0	110.0
48		85.0	110.0	85.0	110.0
54		-	-	85.0	110.0
60		-	-	85.0	100.0
30	96	85.0	110.0	85.0	110.0
36		85.0	110.0	85.0	110.0
42		-	-	85.0	110.0
44		-	-	85.0	110.0
48		-	-	85.0	110.0
54		-	-	85.0	110.0
60		-	-	85.0	100.0
30	102	85.0	110.0	85.0	110.0
36		85.0	110.0	85.0	110.0
42		-	-	85.0	110.0
44		-	-	85.0	110.0
48		-	-	85.0	110.0
54		-	-	85.0	110.0
30	108	85.0	110.0	85.0	110.0
36		85.0	110.0	85.0	110.0
42		-	-	85.0	110.0
44		-	-	85.0	110.0
48		-	-	85.0	110.0
54		-	-	85.0	110.0
30	114	-	-	85.0	110.0
36		-	-	85.0	110.0
42		-	-	85.0	110.0
44		-	-	85.0	110.0
48		-	-	85.0	110.0
54		-	-	85.0	110.0
30	120	-	-	85.0	110.0
36		-	-	85.0	110.0
42		-	-	85.0	110.0
44		-	-	85.0	110.0
48		-	-	85.0	110.0
54		-	-	85.0	110.0

SEE SHEET 1 FOR GLASS TYPES 'B' & 'B1'

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



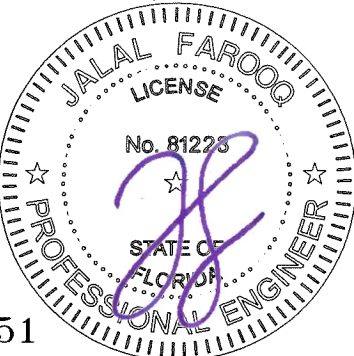
REINFORCING LEVEL '1'
ALUMINUM REINFORCING AT INTERLOCK



REINFORCING LEVEL '2'
STEEL REINFORCING AT INTERLOCK
ALUMINUM REINFORCING AT ASTRAGAL

Sealed: 9/15/2026

FL #22251



af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\19-10F-ES

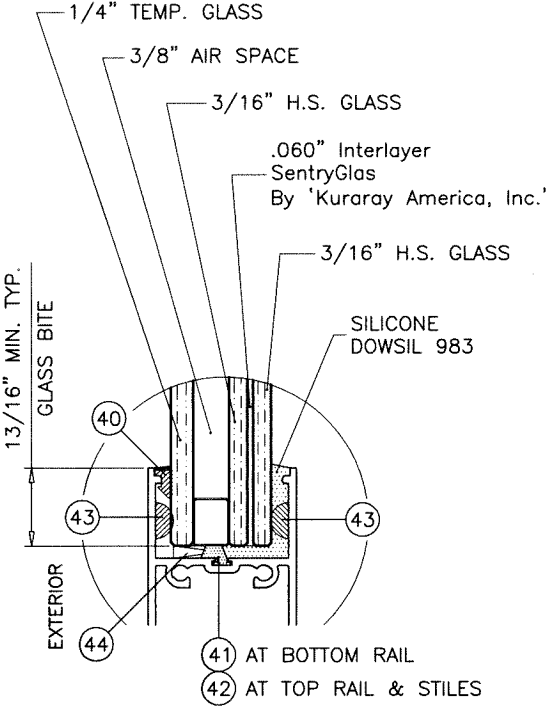
SERIES-6100-3 TRACK ALUM SLIDING GL. DOOR (S.M.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:	no	date	by	description
date:	02-18-19	scale:	1/2" = 1"	dr. by: TARIQ
				chk. by:
drawing no.				19-10F
sheet				4 of 14

DESIGN LOAD CAPACITY - PSF GLASS TYPE 'D'			
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	REINF. LEVEL '4'	
		EXT. (+)	INT. (-)
30	82	85.0	125.0
36		85.0	125.0
42		85.0	125.0
44		85.0	125.0
48		85.0	125.0
54		85.0	125.0
55		85.0	125.0
60		85.0	125.0
30	96	85.0	125.0
36		85.0	125.0
42		85.0	125.0
44		85.0	125.0
48		85.0	125.0
54		85.0	125.0
55		85.0	125.0
60		85.0	125.0
30	102	85.0	125.0
36		85.0	125.0
42		85.0	125.0
44		85.0	125.0
48		85.0	125.0
54		85.0	125.0
55		85.0	125.0
60		85.0	125.0
30	108	85.0	125.0
36		85.0	125.0
42		85.0	125.0
44		85.0	125.0
48		85.0	125.0
54		85.0	125.0
55		85.0	125.0
60		85.0	125.0
30	114	85.0	125.0
36		85.0	125.0
42		85.0	125.0
44		85.0	125.0
48		85.0	125.0
54		85.0	125.0
55		85.0	125.0
60		85.0	125.0
30	120	85.0	125.0
36		85.0	125.0
42		85.0	125.0
44		85.0	125.0
48		85.0	125.0
54		85.0	125.0
55		85.0	125.0
60		85.0	125.0

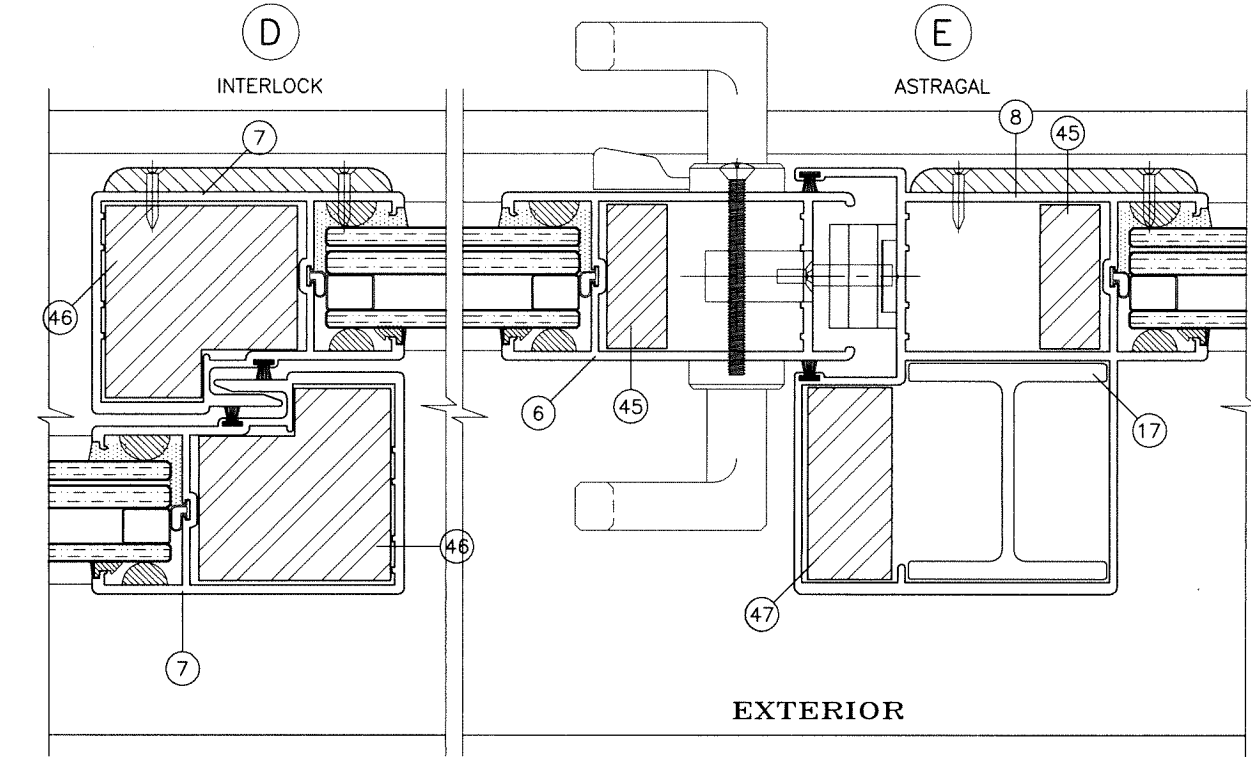
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-16 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

DESIGN LOAD CAPACITY - PSF GLASS TYPE 'D'			
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	REINF. LEVEL '4'	
		EXT. (+)	INT. (-)
30	126	85.0	125.0
36		85.0	125.0
42		85.0	125.0
44		85.0	125.0
48		85.0	125.0
54		85.0	125.0
55		85.0	125.0
60		85.0	125.0
30	132	85.0	125.0
36		85.0	125.0
42		85.0	125.0
44		85.0	125.0
48		85.0	125.0
54		85.0	125.0
55		85.0	125.0
60		85.0	125.0
30	138	85.0	125.0
36		85.0	125.0
42		85.0	125.0
44		85.0	125.0
48		85.0	125.0
54		85.0	125.0
55		85.0	125.0
60		85.0	125.0
30	142	85.0	125.0
36		85.0	125.0
42		85.0	125.0
44		85.0	125.0
48		85.0	125.0
54		85.0	125.0
55		85.0	125.0
60		85.0	125.0
30	147	85.0	125.0
36		85.0	125.0
42		85.0	125.0
44		85.0	125.0
48		85.0	125.0
54		85.0	125.0
55		85.0	125.0
60		85.0	125.0



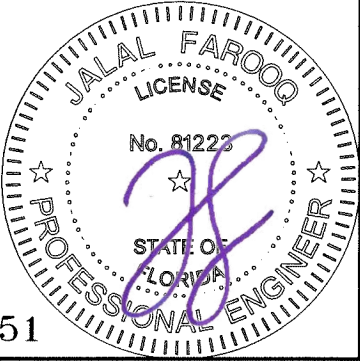
GLASS TYPE 'D'

GLAZING DETAIL



REINFORCING LEVEL '4'
STEEL REINFORCING AT INTERLOCK
ALUMINUM AND STEEL REINFORCING AT ASTRAGAL

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



FL #22251

afC

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 262-6978
FAX. (305) 262-8100
COMP-ANL 19-10F-ES

SERIES-6100-3 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: 02-18-19
scale: -
dr. by: TARIQ
chk. by:

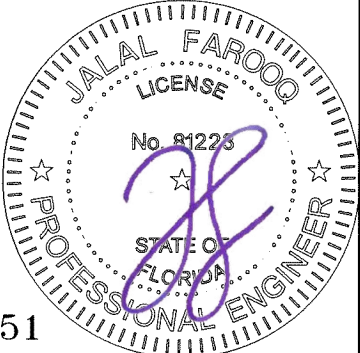
drawing no.
19-10F
sheet 6 of 14

HEAD ANCHOR LOAD CAPACITY - PSF						
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	ANCHOR TYPE 'A'		ANCHOR TYPE 'B'		ANCHOR TYPE 'C'
		6 ANCHORS AT MTG. STILE ENDS	7 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	7 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS
		INT. (-)	INT. (-)	INT. (-)	INT. (-)	INT. (-)
30	82	145.0	145.0	145.0	145.0	145.0
36		145.0	145.0	145.0	145.0	145.0
42		145.0	145.0	145.0	145.0	145.0
44		145.0	145.0	145.0	145.0	145.0
48		145.0	145.0	145.0	145.0	145.0
54		145.0	145.0	145.0	145.0	145.0
55		145.0	145.0	145.0	145.0	145.0
60		145.0	145.0	145.0	145.0	145.0
30	96	145.0	145.0	145.0	145.0	145.0
36		145.0	145.0	145.0	145.0	145.0
42		145.0	145.0	145.0	145.0	145.0
44		141.3	145.0	145.0	145.0	145.0
48		145.0	145.0	145.0	145.0	145.0
54		129.5	143.9	145.0	145.0	145.0
55		141.3	145.0	145.0	145.0	145.0
60		129.5	142.5	145.0	145.0	145.0
30	102	145.0	145.0	145.0	145.0	145.0
36		145.0	145.0	145.0	145.0	145.0
42		139.3	145.0	145.0	145.0	145.0
44		133.0	145.0	145.0	145.0	145.0
48		137.1	145.0	145.0	145.0	145.0
54		121.9	135.4	143.4	145.0	145.0
55		133.0	145.0	145.0	145.0	145.0
60		121.9	134.1	143.4	145.0	145.0
30	108	145.0	145.0	145.0	145.0	145.0
36		145.0	145.0	145.0	145.0	145.0
42		131.6	145.0	145.0	145.0	145.0
44		125.6	141.3	145.0	145.0	145.0
48		129.5	143.9	145.0	145.0	145.0
54		115.1	127.9	135.5	145.0	140.0
55		125.6	138.1	145.0	145.0	145.0
60		115.1	126.6	135.5	145.0	145.0
30	114	145.0	145.0	145.0	145.0	145.0
36		145.0	145.0	145.0	145.0	145.0
42		125.0	140.0	145.0	145.0	145.0
44		119.0	134.0	140.0	145.0	145.0
48		123.0	136.0	144.0	145.0	145.0
54		109.0	121.0	128.0	143.0	140.0
55		119.0	131.0	140.0	145.0	145.0
60		109.0	120.0	128.0	141.0	140.0
30	120	145.0	145.0	145.0	145.0	145.0
36		138.0	145.0	145.0	145.0	145.0
42		118.0	133.0	139.0	145.0	145.0
44		113.0	127.0	133.0	145.0	145.0
48		117.0	130.0	137.0	145.0	145.0
54		104.0	115.0	122.0	135.0	133.0
55		113.0	124.0	133.0	145.0	145.0
60		104.0	114.0	122.0	134.0	133.0

HEAD ANCHOR LOAD CAPACITY - PSF						
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	ANCHOR TYPE 'A'		ANCHOR TYPE 'B'		ANCHOR TYPE 'C'
		6 ANCHORS AT MTG. STILE ENDS	7 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	7 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS
		INT. (-)	INT. (-)	INT. (-)	INT. (-)	INT. (-)
30	126	138.0	145.0	145.0	145.0	145.0
36		132.0	145.0	145.0	145.0	145.0
42		113.0	127.0	133.0	145.0	145.0
44		108.0	121.0	127.0	143.0	138.0
48		111.0	123.0	131.0	145.0	142.0
54		99.0	110.0	116.0	129.0	126.0
55		108.0	118.0	127.0	139.0	138.0
60		99.0	109.0	116.0	128.0	126.0
30	132	132.0	145.0	145.0	145.0	145.0
36		126.0	141.0	145.0	145.0	145.0
42		108.0	121.0	127.0	143.0	138.0
44		103.0	116.0	121.0	136.0	132.0
48		106.0	118.0	125.0	139.0	136.0
54		94.0	105.0	111.0	123.0	121.0
55		92.0	103.0	109.0	121.0	119.0
60		94.0	104.0	111.0	122.0	121.0
30	138	126.0	144.0	145.0	145.0	145.0
36		120.0	135.0	141.0	145.0	145.0
42		103.0	116.0	121.0	136.0	132.0
44		98.0	111.0	116.0	130.0	126.0
48		101.0	113.0	119.0	133.0	130.0
54		90.0	100.0	106.0	118.0	115.0
55		98.0	108.0	116.0	127.0	126.0
30	142	123.0	140.0	144.0	145.0	145.0
36		117.0	131.0	137.0	145.0	145.0
42		100.0	113.0	118.0	132.0	128.0
44		96.0	107.0	112.0	126.0	122.0
48		98.0	109.0	116.0	129.0	126.0
54		88.0	97.0	103.0	114.0	112.0
55		96.0	105.0	112.0	124.0	122.0
30	147	118.0	135.0	139.0	145.0	145.0
36		113.0	127.0	133.0	145.0	145.0
42		97.0	109.0	114.0	128.0	124.0
44		92.0	104.0	109.0	122.0	118.0
48		95.0	106.0	112.0	124.0	122.0
54		85.0	94.0	100.0	111.0	108.0
55		92.0	101.0	109.0	119.0	118.0
		EXT.(+) Dp = 85 PSF MAX.				

SILL ANCHOR LOAD CAPACITY - PSF				
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	ANCHOR TYPE 'B'		
		4 ANCHORS AT MTG. STILE ENDS	5 ANCHORS AT MTG. STILE ENDS	
		INT. (-)	INT. (-)	
30	82	145.0	145.0	
36		145.0	145.0	
42		145.0	145.0	
44		145.0	145.0	
48		145.0	145.0	
54		145.0	145.0	
55		145.0	145.0	
60		145.0	145.0	
30	96	145.0	145.0	
36		145.0	145.0	
42		145.0	145.0	
44		145.0	145.0	
48		145.0	145.0	
54		145.0	145.0	
55		144.9	145.0	
60		145.0	145.0	
30	102	145.0	145.0	
36		145.0	145.0	
42		145.0	145.0	
44		145.0	145.0	
48		145.0	145.0	
54		138.9	145.0	
55		136.4	145.0	
60		141.0	145.0	
30	108	145.0	145.0	
36		145.0	145.0	
42		145.0	145.0	
44		140.8	145.0	
48		145.0	145.0	
54		131.2	145.0	
55		128.8	145.0	
60		132.8	145.0	
30	114	145.0	145.0	
36		140.0	145.0	
42		140.0	145.0	
44		133.0	145.0	
48		140.0	145.0	
54		124.0	145.0	
55		122.0	145.0	
60		126.0	145.0	
30	120	145.0	145.0	
36		133.0	145.0	
42		133.0	145.0	
44		127.0	145.0	
48		133.0	145.0	
54		118.0	142.0	
55		116.0	139.0	
60		120.0	142.0	

SILL ANCHOR LOAD CAPACITY - PSF				
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	ANCHOR TYPE 'B'		
		4 ANCHORS AT MTG. STILE ENDS	5 ANCHORS AT MTG. STILE ENDS	
		INT. (-)	INT. (-)	
30	126	145.0	145.0	
36		126.0	145.0	
42		126.0	145.0	
44		121.0	145.0	
48		126.0	145.0	
54		112.0	135.0	
55		110.0	133.0	
60		114.0	135.0	
30	132	145.0	145.0	
36		121.0	145.0	
42		121.0	145.0	
44		115.0	141.0	
48		121.0	145.0	
54		107.0	129.0	
55		92.0	113.0	
60		97.0	116.0	
30	138	139.0	145.0	
36		115.0	144.0	
42		115.0	141.0	
44		110.0	135.0	
48		115.0	139.0	
54		103.0	123.0	
55		101.0	121.0	
30	142	135.0	145.0	
36		112.0	140.0	
42		112.0	137.0	
44		107.0	131.0	
48		112.0	135.0	
54		100.0	120.0	
55		98.0	118.0	
30	147	130.0	145.0	
36		108.0	135.0	
42		108.0	132.0	
44		103.0	126.0	
48		108.0	130.0	
54		96.0	116.0	
55		95.0	114.0	



NOTE:
SEE SHEETS 4 THRU 6 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
USING CHART ON THIS SHEET SELECT ANCHOR OPTION WITH DESIGN RATING
MORE THAN DESIGN LOADS REQUIRED.
LOWER DESIGN PRESSURES FROM GLASS OR HEAD OR SILL ANCHOR CHARTS
WILL APPLY TO ENTIRE SYSTEM.

FL #22251

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 262-6978
FAX. (305) 264-8100
COMP-ANL \ 19-10F-ES

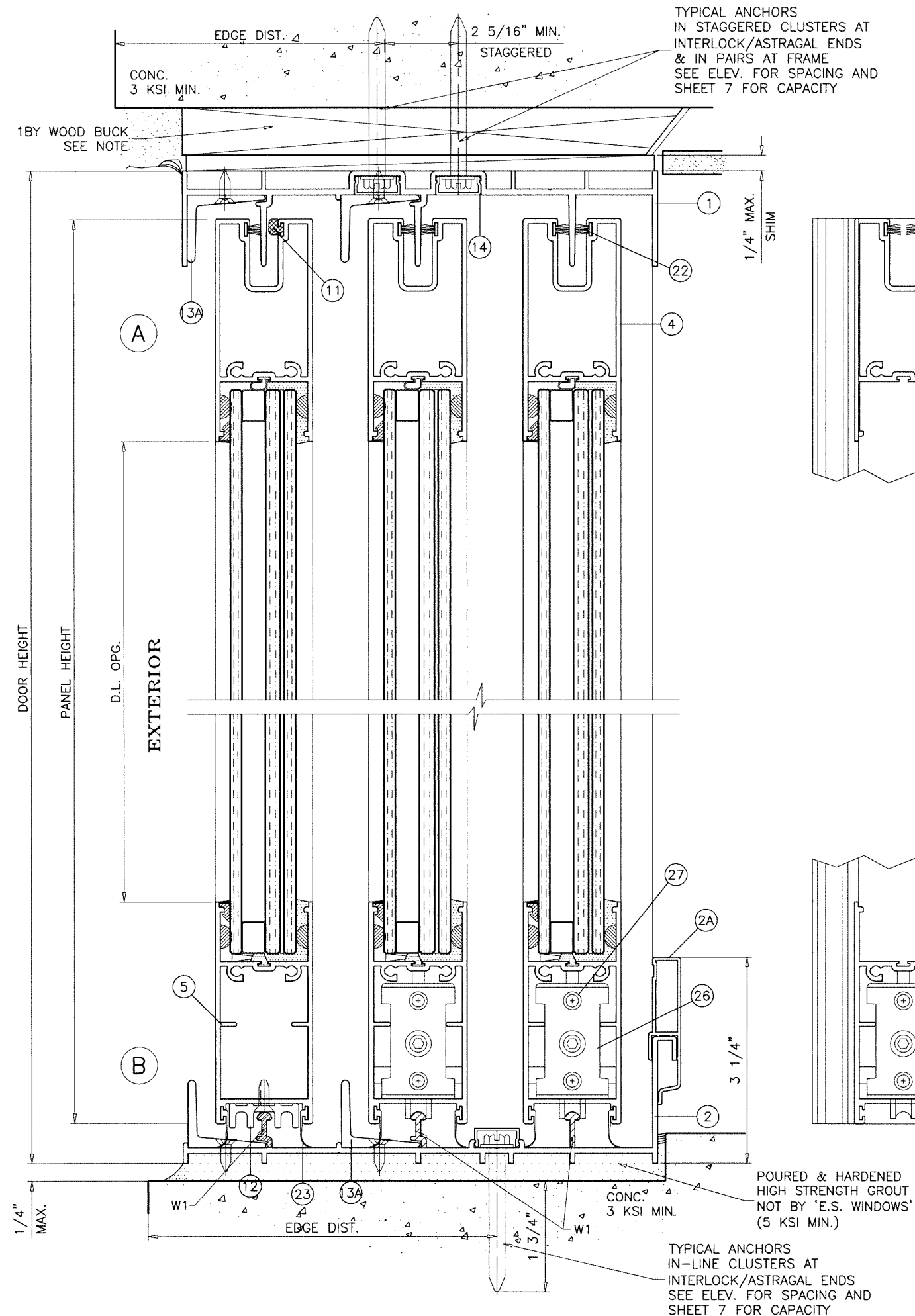
SERIES-6100-3 TRACK ALUM SLIDING GL. DOOR (S.M.I.)

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: 02-18-19
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
19-10F
sheet 7 of 14



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, 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.

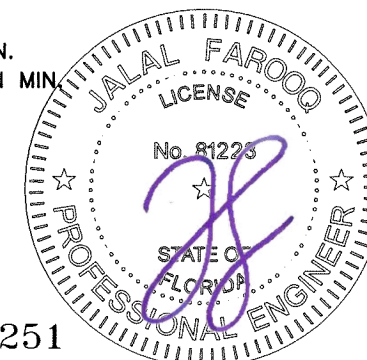
SEALANT:

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

WEEPHOLES:

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

Sealed: 9/15/2026

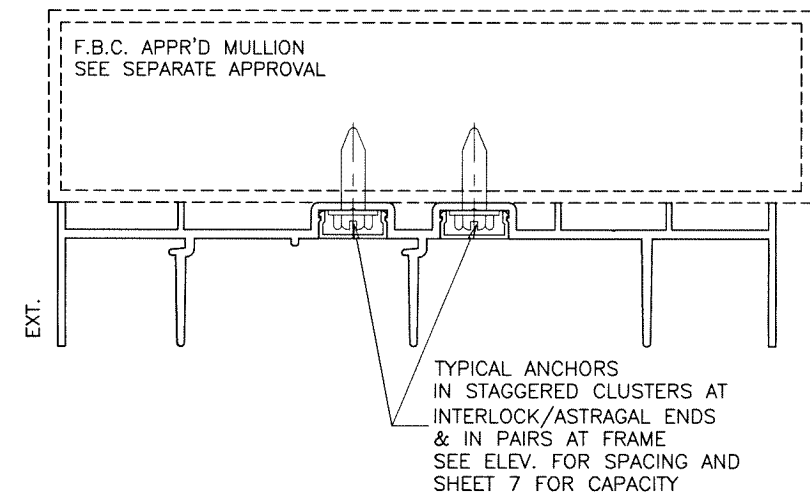
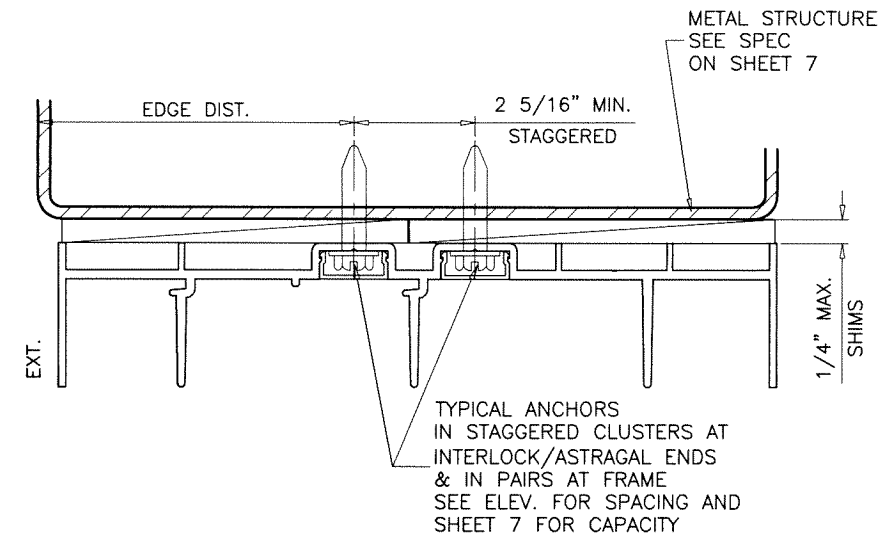
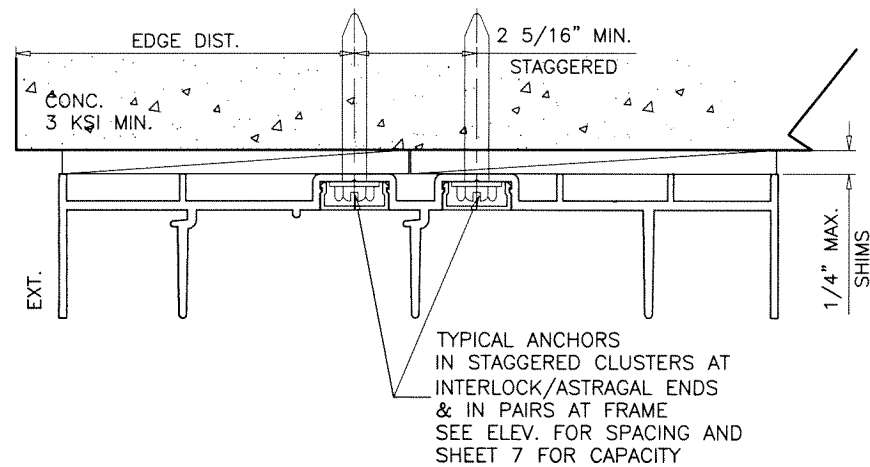
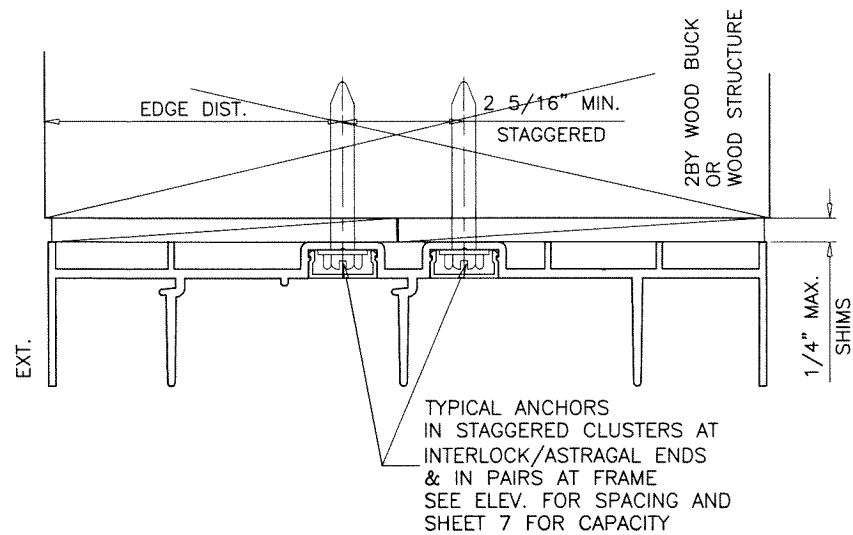


FL #22251

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

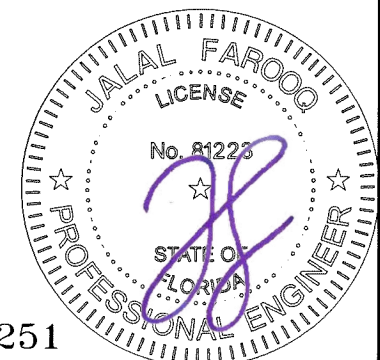
SERIES-6100-3 TRACK ALUM SLIDING GL. DOOR (S.M.I.)
E.S. WINDOWS, LLC
 3550 N.W. 49 STREET
 MIAMI, FL. 33142
 TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:		no	date	by	description
date:	02-18-19				
scale:	1/2" = 1"				
dr. by:	TARIQ				
chk. by:					
drawing no.	19-10F				
sheet	8 of 14				



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.

Sealed: 9/15/2026



FL #22251

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

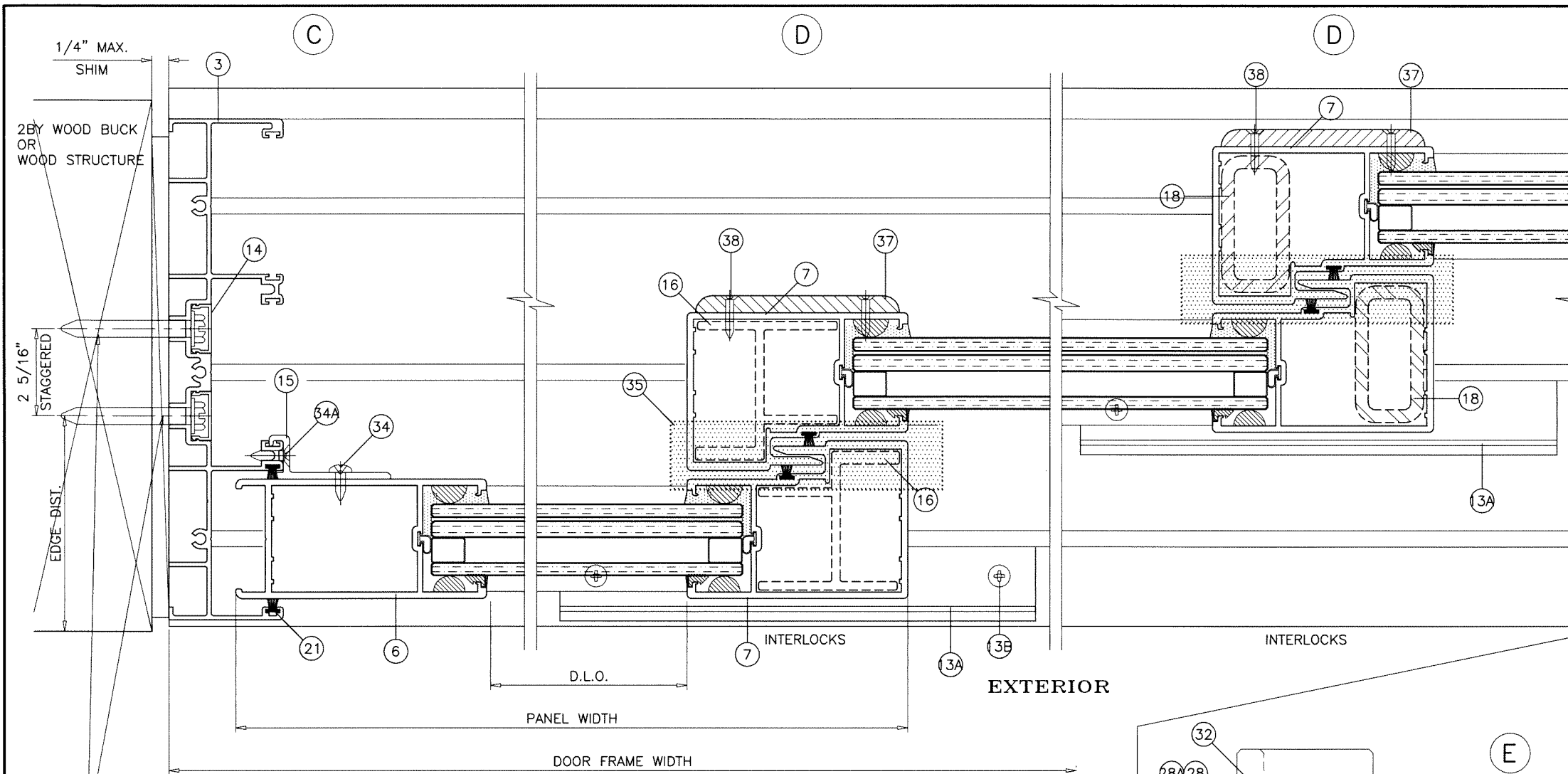
SERIES-6100-3 TRACK ALUM SLIDING GL. DOOR (S.M.I.)

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

revisions:	
no	by description

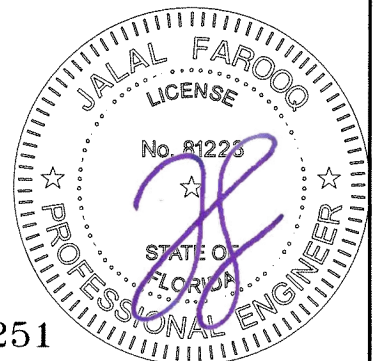
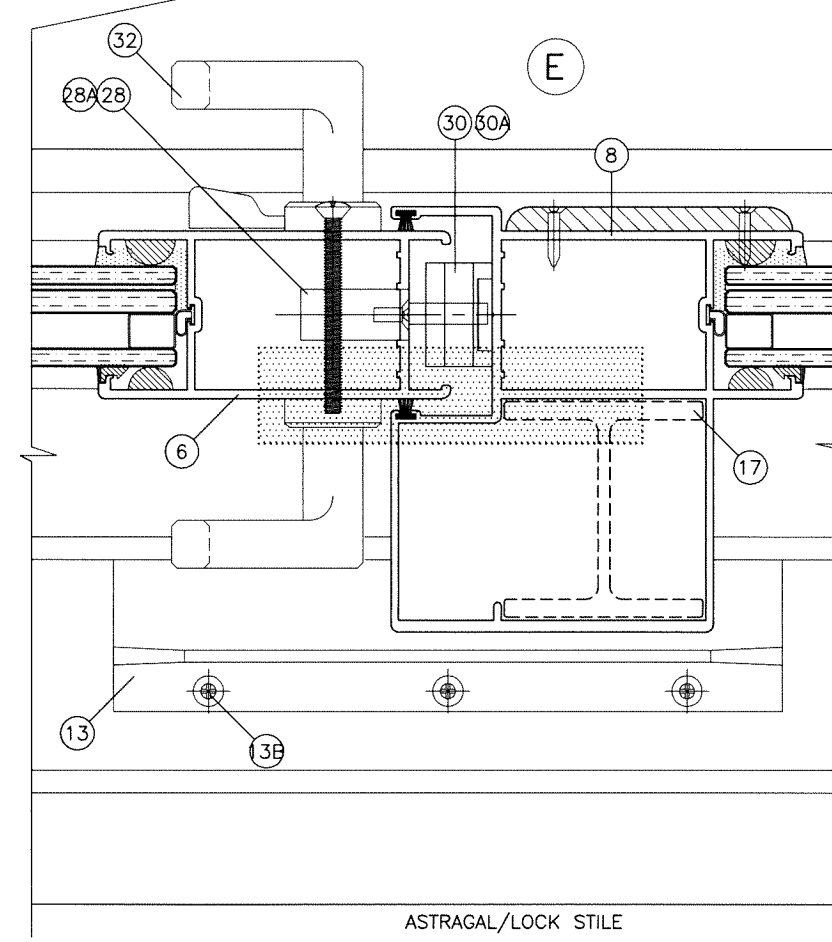
date: 02-18-19	scale: 1/2" = 1"	dr. by: TARIQ	chk. by:
----------------	------------------	---------------	----------

drawing no.
19-10F
sheet 9 of 14



TYPICAL ANCHORS IN PAIRS
SEE ELEV. FOR SPACING
ALSO SEE SHEET 7

ALUMINUM AND STEEL REINFORCING AT INTERLOCK AND ASTRAGAL STILES
SHOWN FOR ILLUSTRATION ONLY.
USE AS SHOWN ON SHEETS 4 THRU 6.
SEE CHARTS FOR REINFORCING OPTIONS LOAD CAPACITY, INCLUDING GLASS OPTIONS.
SEE ELEVATION FOR ANCHOR SPACING AND SHEET 7 FOR ANCHOR CAPACITY.



FL #22251

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

a f c

COMP-ANL 19-10F-ES

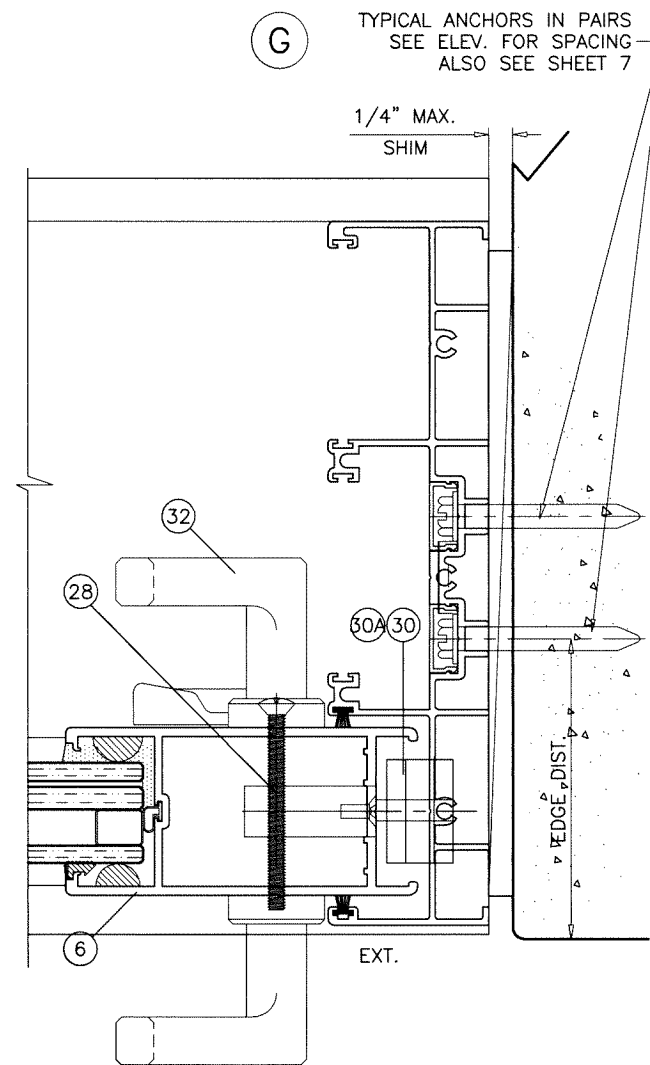
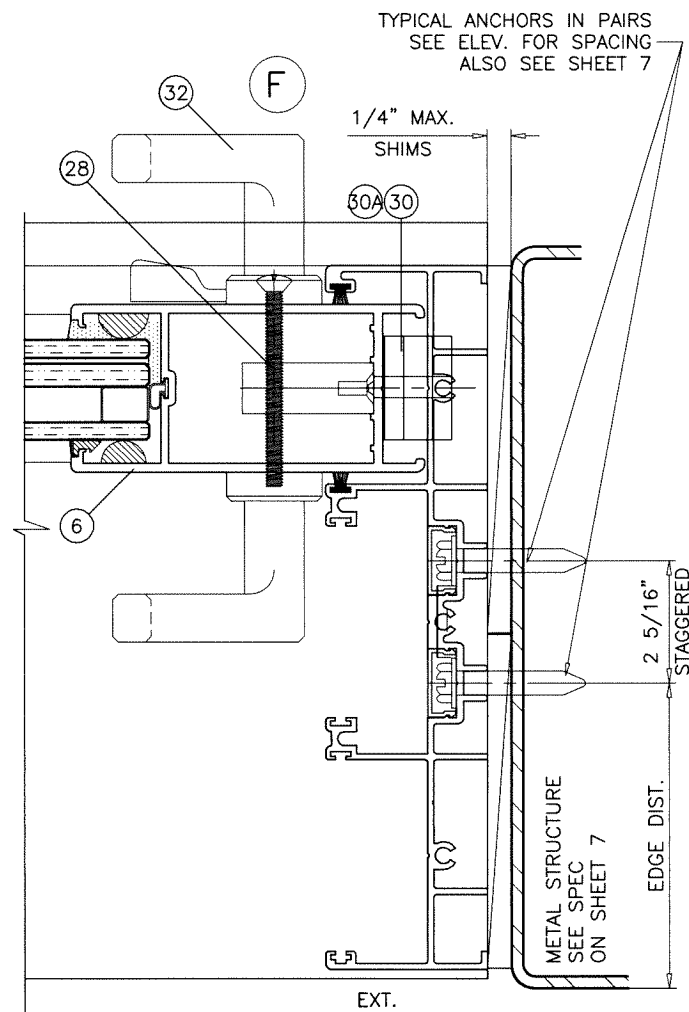
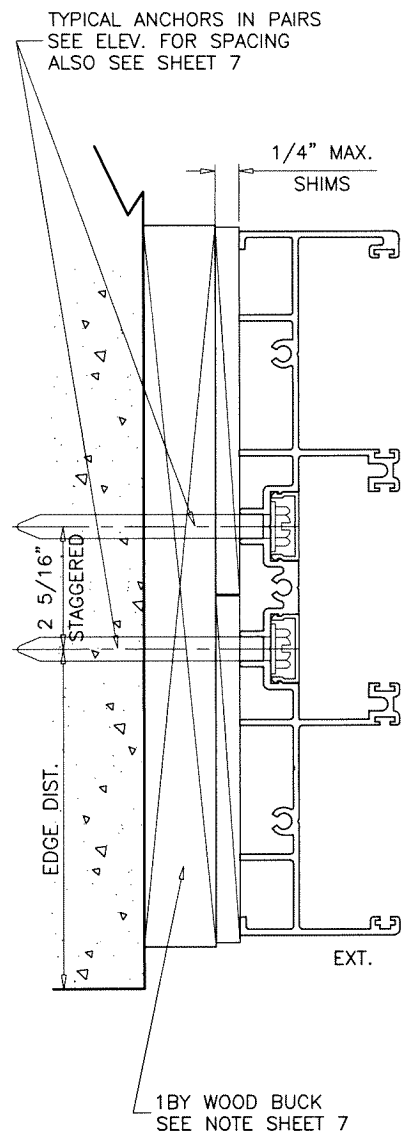
SERIES-6100-3 TRACK ALUM SLIDING GL. DOOR (S.M.I.)

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

revisions:		by description	
no	date		

date: 02-18-19
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
19-10F
sheet 10 of 14



Sealed: 9/15/2026



FL #22251

af c
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
COMP-ANL\19-10F-ES

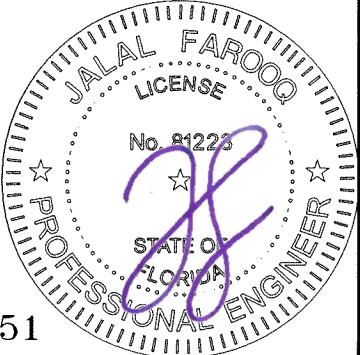
SERIES-6100-3 TRACK ALUM SLIDING GL. DOOR (S.M.I.)

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:	02-18-19	scale:	1/2" = 1"
dr. by:	TARIQ	chk. by:	
drawing no.	19-10F	sheet	11 of 14

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ES-6000-401	1	FRAME HEAD	6005-T5	-
2	ES-6000-402	1	FRAME SILL	6005-T5	-
2A	ES-6028	1	SILL RISER	6063-T6	-
3	ES-6000-403	2	FRAME JAMB	6063-T6	-
4	ES6004	2/ PANEL	TOP RAIL	6063-T6	-
5	ES6005	2/ PANEL	BOTTOM RAIL	6063-T6	-
6	ES6006	AS REQD.	LOCK STILE	6063-T6	-
7	ES6007	AS REQD.	INTERLOCK	6063-T6	-
8	ES6008	AS REQD.	FEMALE ASTRAGAL	6063-T6	-
11	ES6016	4/ PANEL	PANEL GUIDE (TOP ONLY)	CELCON	-
12	ES6015	2/ PANEL	FIXED PANEL BOTTOM GUIDE	6063-T6	SECURE W/ (2) #8 X 3/4" FH SMS
13	ES-6010	2/ PANEL	RETAINER CLIP, 7" LONG AT SILL, 8" LONG HEAD	6005-T5	AT ASTRAGAL STILE HEAD & SILL ENDS
13A	ES-6000-405	2/ PANEL	RETAINER CLIP, 7" LONG AT SILL, 8" LONG AT HEAD	6005-T5	AT INTERLOCK STILES HEAD & SILL ENDS
13B	#10 X 3/4"	3/ CLIP	RETAINER CLIP FASTENERS	-	FH SELF DRILLING SCREWS
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 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	-	2/ MOV. PANEL	TANDEM ACETAL WHEELS IN METALLIC HOUSING	-	DUAL ROLLERS
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	#10 X 3/4" PH SDS	2/ CLIP	FIXED PANEL CLIP FASTENER	ST. STEEL	-
34A	#10 X 3/4" PH SDS	2/ CLIP	FIXED PANEL CLIP FASTENER	ST. STEEL	-
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	-	-
40	27-445	AS REQD.	GLAZING WEDGE GASKET	EPDM	DUROMETER 75±5 SHORE A, SOLUCIONESENCAUCHO
41	ES4014	AS REQD.	BOTTOM RAIL GLASS STOP	EPDM	DUROMETER 68±4 SHORE A
42	ES4018	AS REQD.	TOP RAIL & STILES GLASS STOP	EPDM	DUROMETER 75±4 SHORE A
43	-	AS REQD.	BUMPER	SILICONE	-
44	-	2/ LITE	SETTING BLOCK, 1" X 1/8" X 2-1/2" LONG	EPDM	DUROMETER 75±4 SHORE A
45	-	AS REQD.	REINFORCING BAR AT ASTRAGAL	STEEL	A36, Fu MIN. = 58 KSI
46		AS REQD.	REINFORCING BAR AT INTERLOCK	STEEL	A36, Fu MIN. = 58 KSI
47		AS REQD.	REINFORCING BAR AT ASTRAGAL	STEEL	A36, Fu MIN. = 58 KSI

LATCHES:
ITEMS 28A AND 30A USED FOR DOORS WITH STEEL REINFORCING ONLY
ITEMS 28 AND 30 USED FOR ALL OTHER DOORS.



FL #22251

a f c

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-6100-3 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: 02-18-19

scale: 1/2" = 1"

dr. by: TARIQ

chk. by:

drawing no.

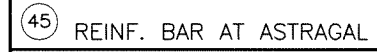
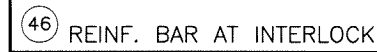
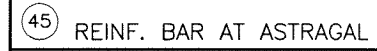
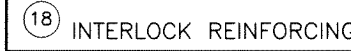
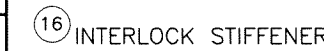
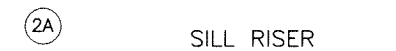
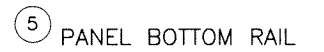
19-10F

sheet 12 of 14

Sealed: 9/15/2026

FL #22251

COMP-ANL\19-10F-ES



A circular professional engineer seal for Jalal Farooq. The outer ring contains the text "JALAL FAROOQ" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top, "No. 81223" is in the center, and "STATE OF FLORIDA" is at the bottom, also separated by two stars. A large, stylized purple signature is written across the center of the seal. The number "251" is printed in the bottom left corner of the page.

FL #22251

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

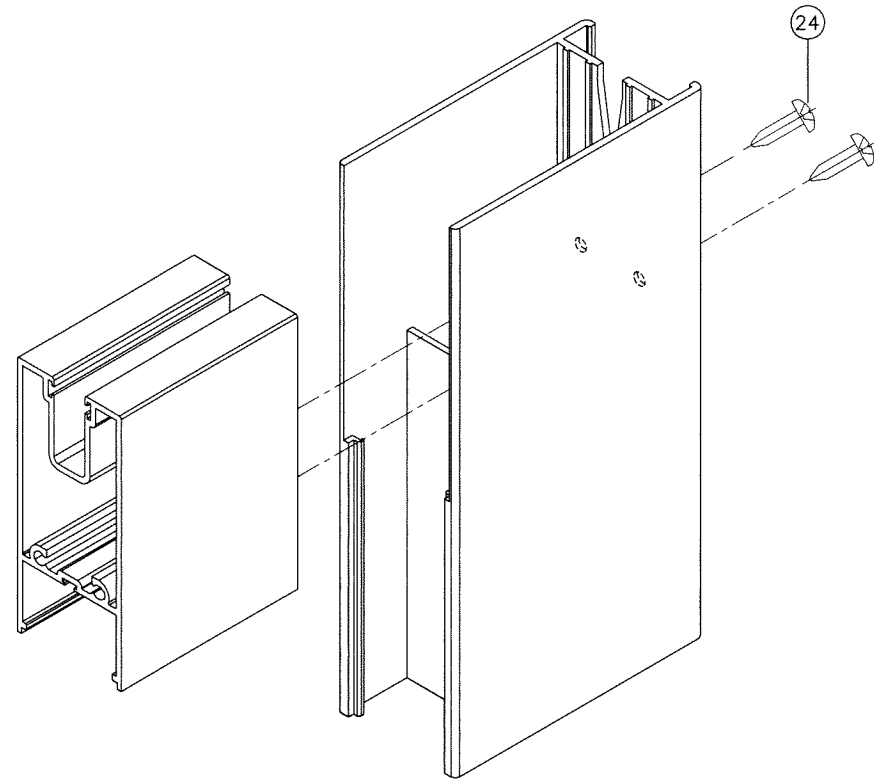
SERIES-6100-3 TRACK ALUM SLIDING GL. DOOR (S.M.I.)

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

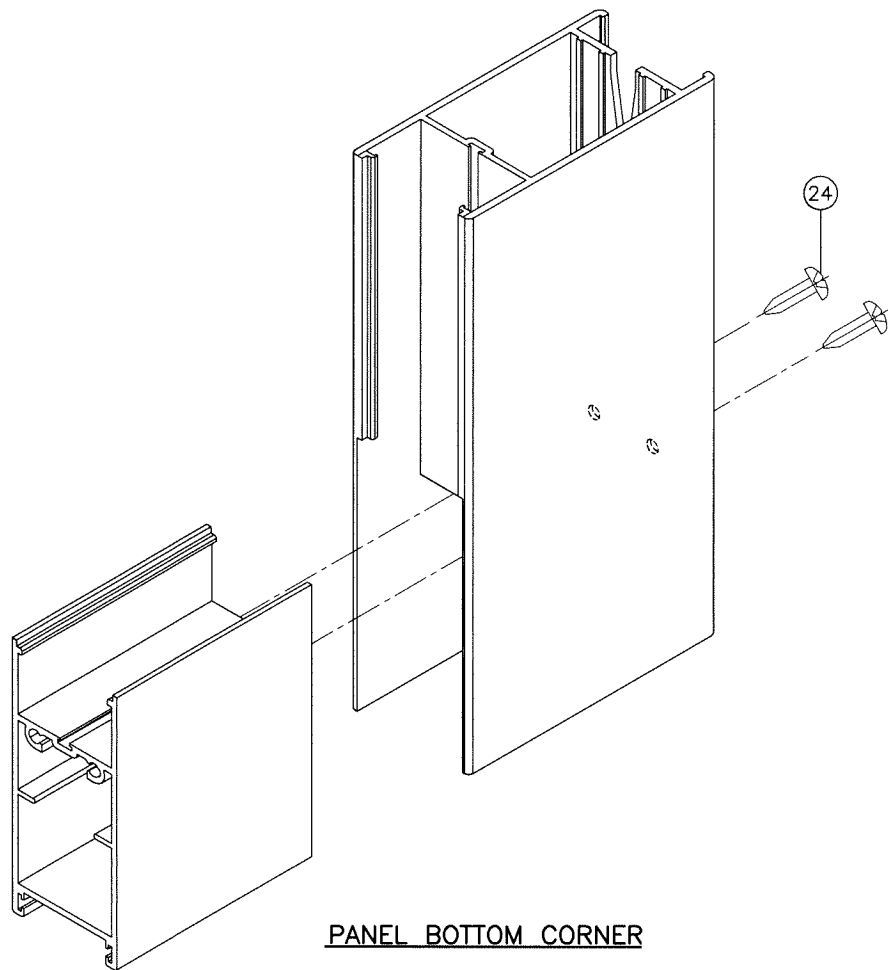
date: 02-18-19	revisions:	
scale: 1/2" = 1"	no	date by description
dr. by: TARIQ		
chk. by:		

drawing no. 19-10F

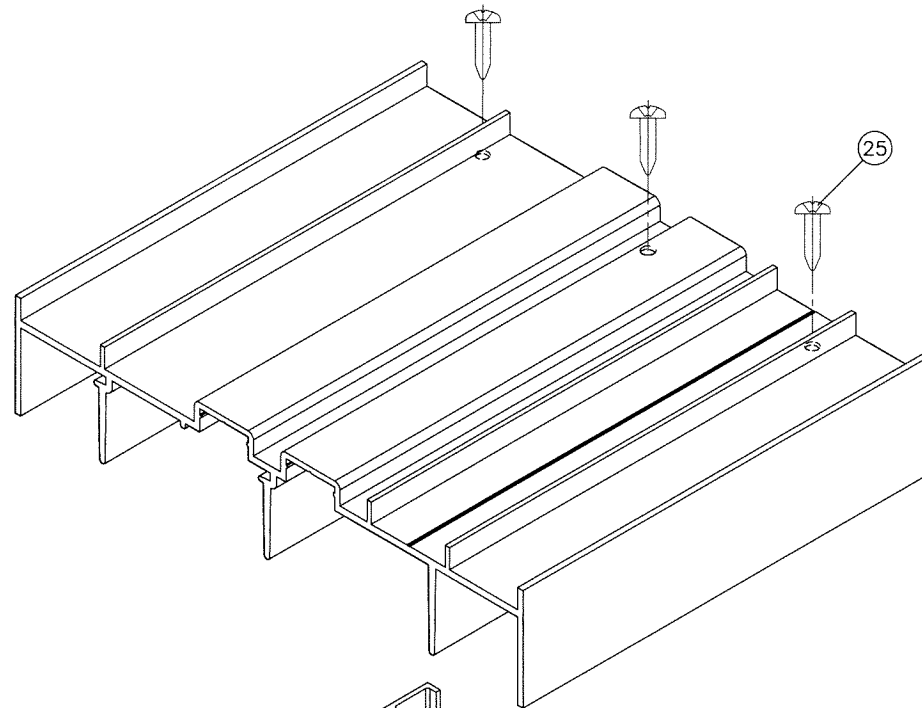
sheet 13 of 14



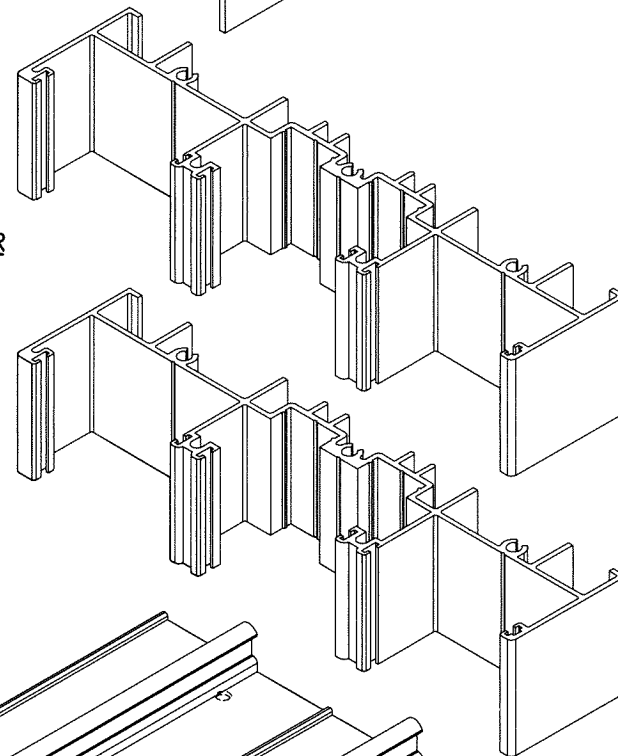
PANEL TOP CORNER



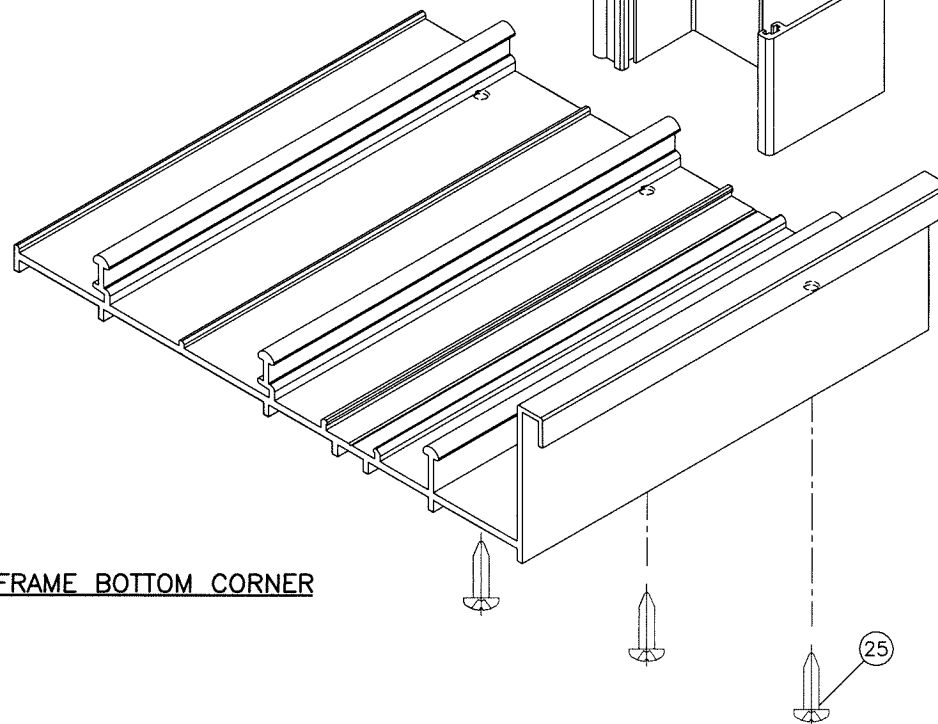
PANEL BOTTOM CORNER



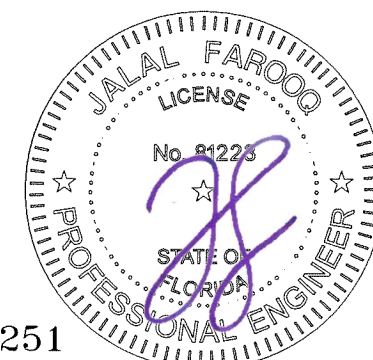
FRAME TOP CORNER



FRAME BOTTOM CORNER



Sealed: 9/15/2026



FL #22251

af c
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
 COMP-ANL \ 19-10F-ES

SERIES-6100-3 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:	02-18-19	no	date
scale:	1/2" = 1"	by	description
dr. by:	TARIQ		
chk. by:			
drawing no.		19-10F	
sheet 14 of 14			