

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

ALUMINUM OUTSWING PIVOT DOOR

DOORS NOT APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION
RESISTANCE IS REQUIRED.

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.

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.

Sealed: 7/15/2026

FL #30847

- 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.



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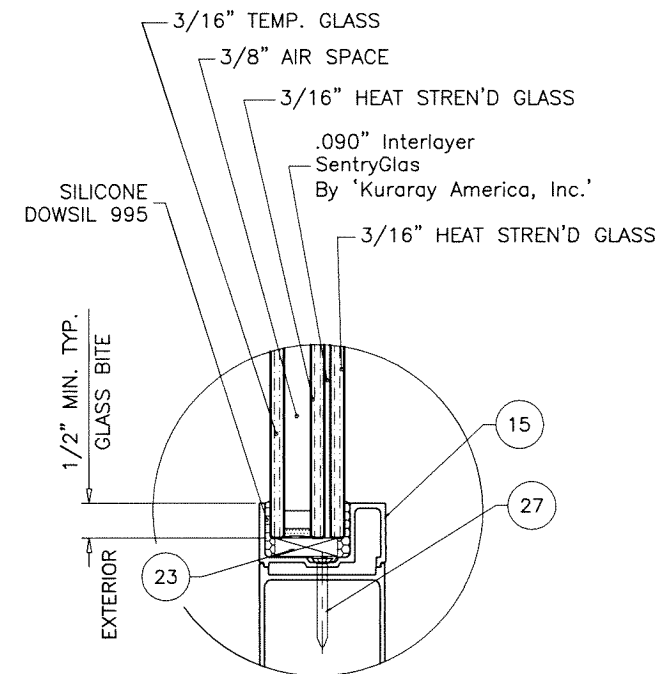
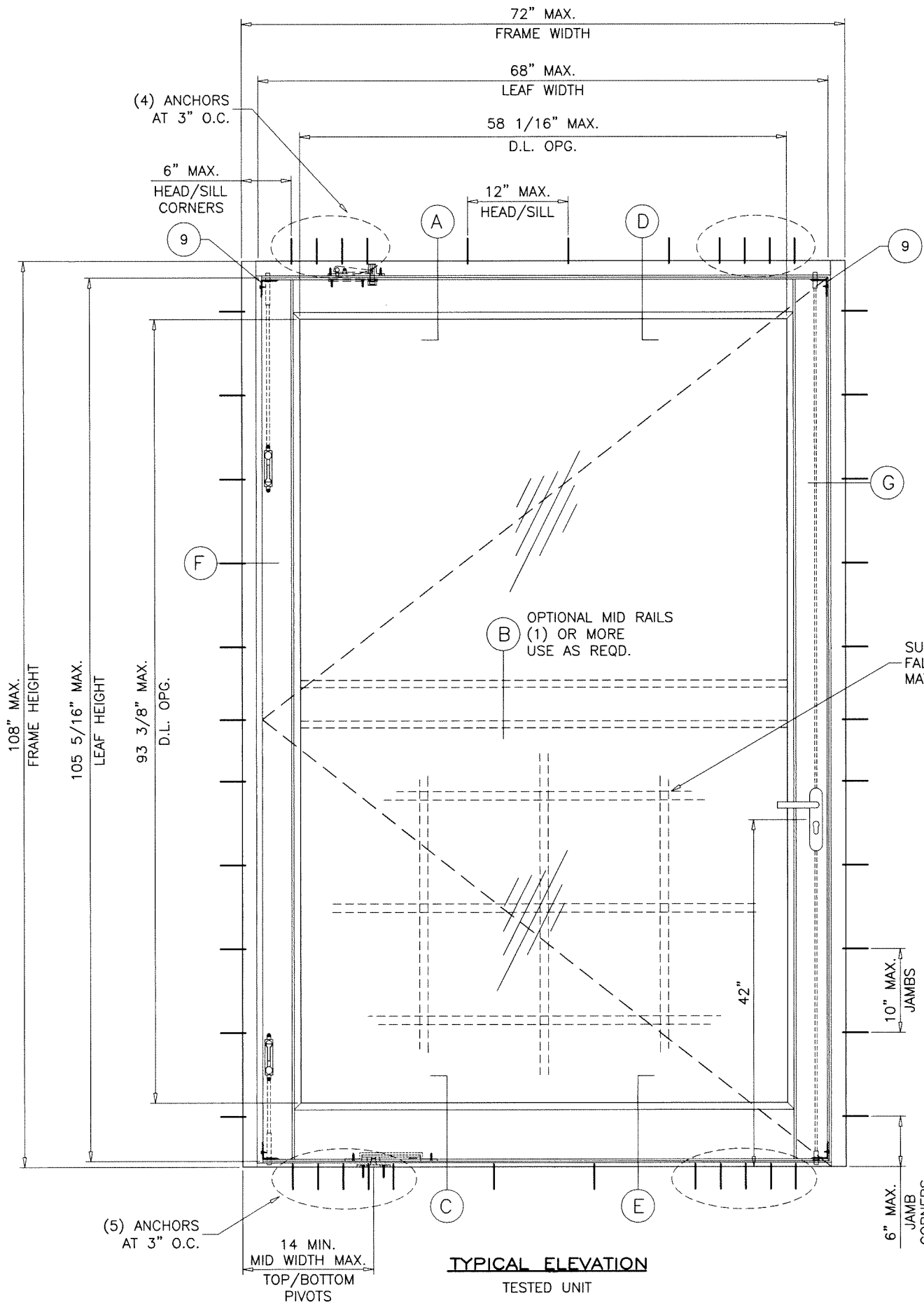
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978

ALUMINUM OUTSWING PIVOT DOOR (L.M.I.)

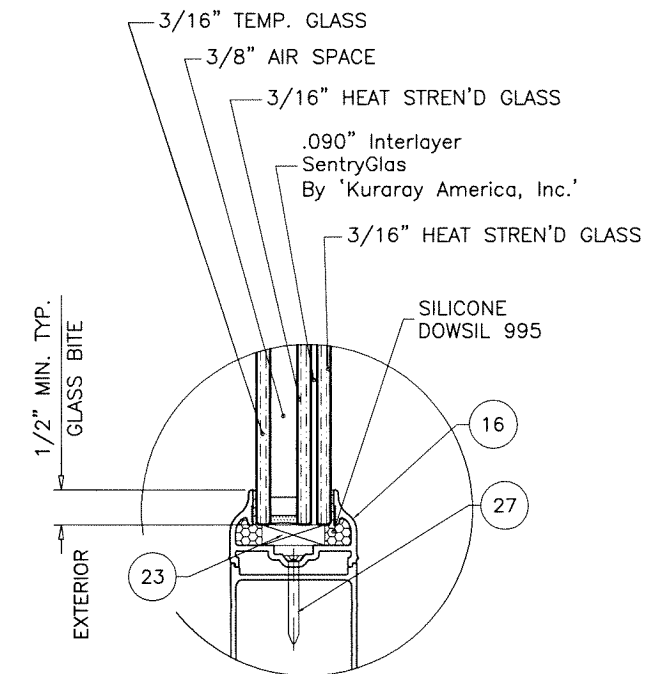
AIR MASTER
windows and doors
P.O. Box 2097 Barceloneta, P.R. 00617,
TEL. (787) 623-1800, FAX. (787) 623-0087

revisions:	
no	date
A	10.09.23
B	07.13.26
description	
UPDATED TO 2023 FBC	
UPDATED TO 2026 FBC	
date:	10-09-19
scale:	3/8" = 1"
dr. by:	TARIQ
chk. by:	
drawing no.	
19-104F	
sheet 1 of 10	

COMP-ANL\19-104F-AM



GLAZING DETAIL (LINEAL)
1-1/16" OVERALL INSUL. LAM. GLASS



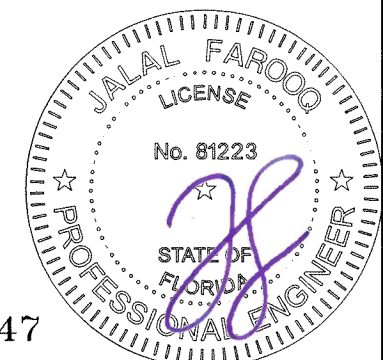
GLAZING DETAIL (CONTINENTAL)
1-1/16" OVERALL INSUL. LAM. GLASS

MAXIMUM DESIGN LOAD CAPACITY - PSF INSULATED LAMINATED GLASS			
FRAME WIDTH	FRAME HEIGHT	EXT.(+)	INT.(-)
72"	108"	50.0	50.0
60"	120"		
72"	98"	55.0	55.0
60"	108"		

FOR SIZE SHOWN OR SMALLER AS PERMITTED
BY FBC REQUIREMENTS

NOTE:
VERIFY COMPLIANCE WITH EGRESS LIMITATIONS WHERE REQUIRED.

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



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PANEL SIZE:

NOM. PANEL WIDTH = DOOR FRAME WIDTH - 4.0"
PANEL HEIGHT = DOOR FRAME HEIGHT - 2.688"

DAYLITE OPENINGS:

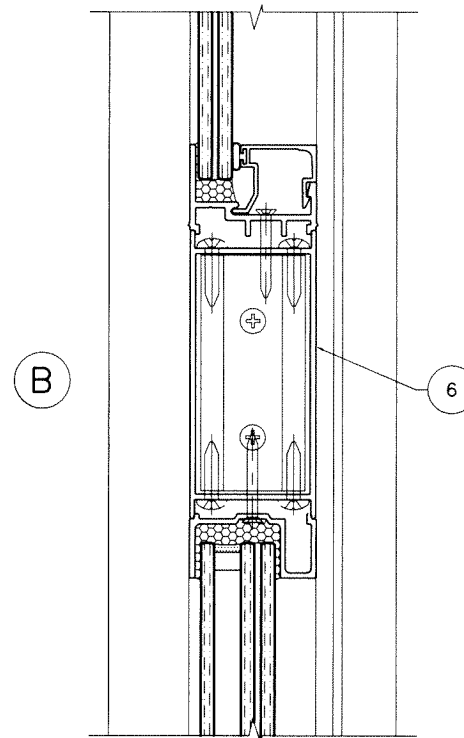
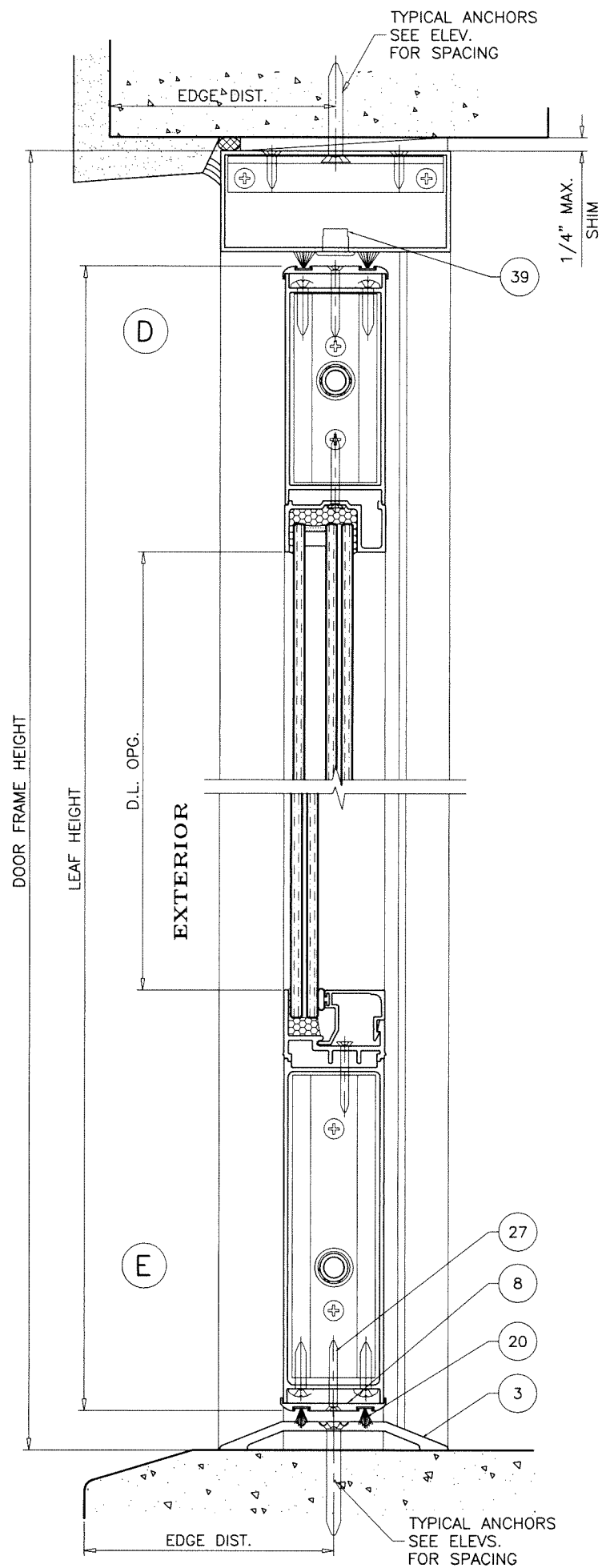
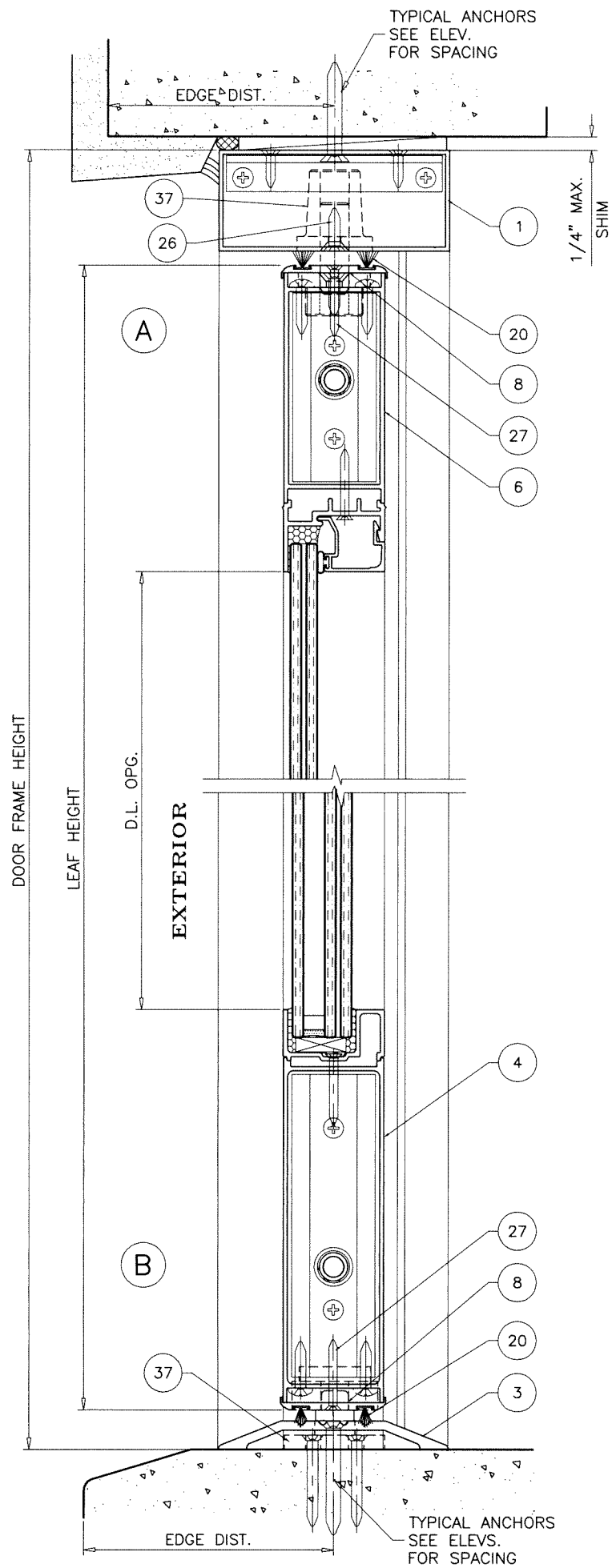
DLO WIDTH = NOM. PANEL WIDTH - 9.925"
DLO HEIGHT = PANEL HEIGHT - 11.925"

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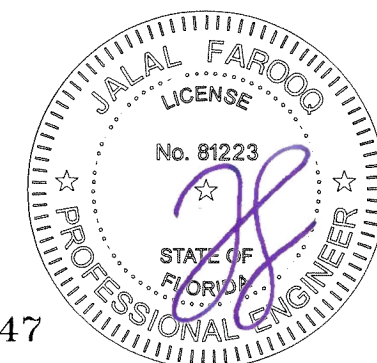
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revisions:		no		date		by		description	
date: 10-09-19		scale: 3/4"=1'-0"		dr. by: TARIQ		chk. by:		drawing no.	
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								sheet 3 of 10	



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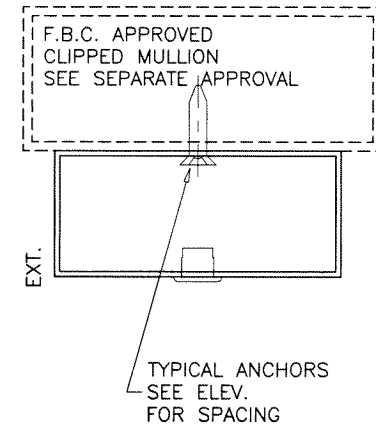
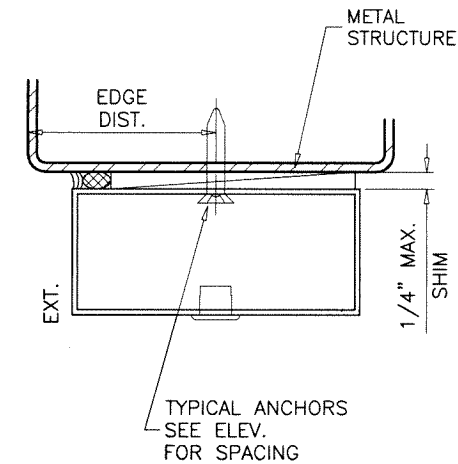
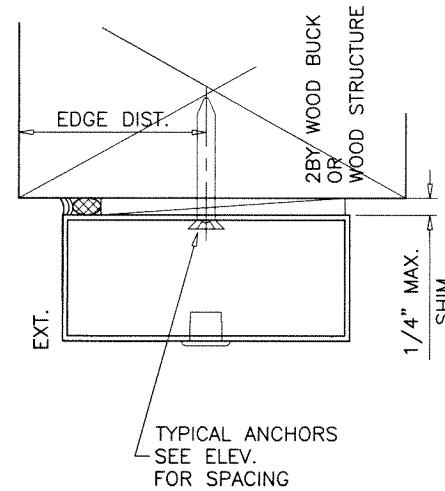
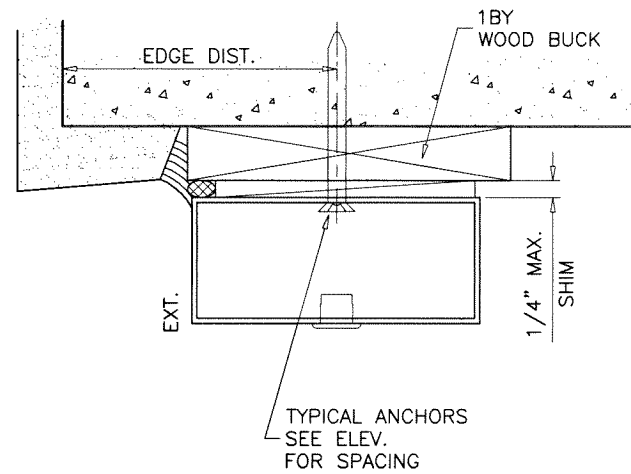
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				19-104F
				sheet 4 of 10



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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u=164$ KSI, $F_y=148$ KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES

1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)

THRU 1BY BUCKS INTO CONC. OR BLOCKS

1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)

1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS

1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)

1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)

INTO F.B.C. APPROVED MULLIONS

OR

INTO METAL STRUCTURES (HEAD/JAMBS)

(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)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.

INTO WOOD STRUCTURE = 1" MIN.

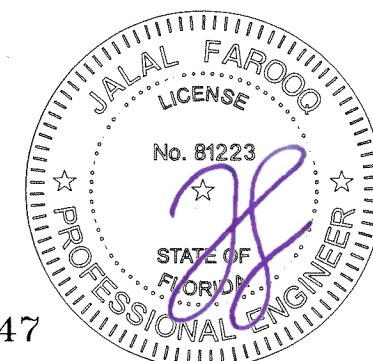
INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD OR JAMBS SG = 0.55 MIN.

CONCRETE AT HEAD, SILL OR JAMBS $f'_c = 3000$ PSI MIN.

C-90 GROUT FILLED BLOCK AT JAMBS $f'_m = 2000$ PSI MIN.

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afc

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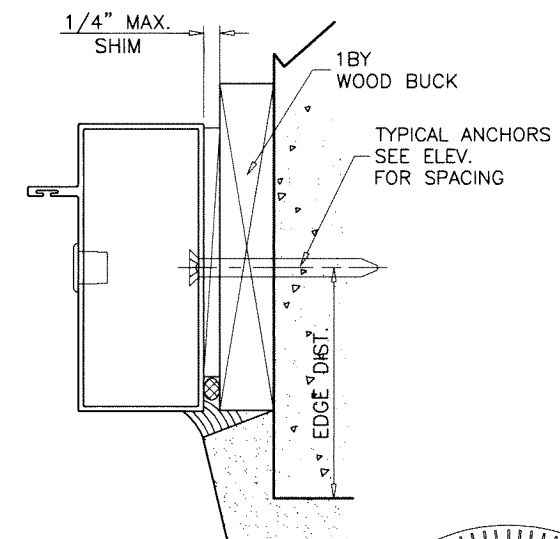
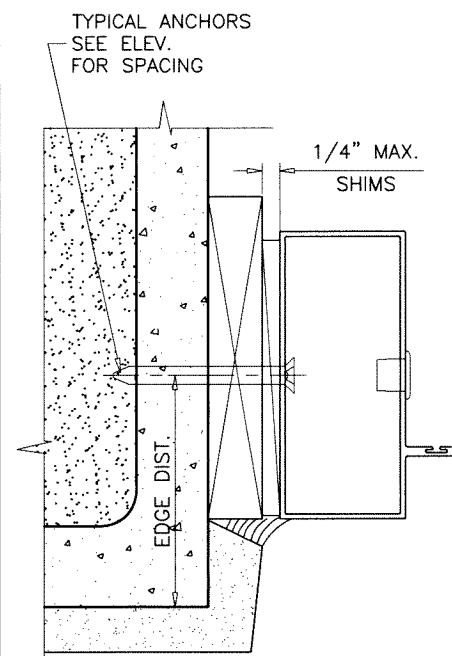
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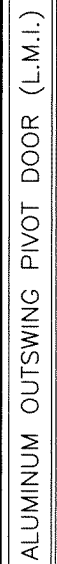
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dr. by: TARIQ		_____	
chk. by:		_____	

drawing no. 19-104F

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ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	57536	1	FRAME HEAD	6063-T5	-
2	77497	2	FRAME JAMB	6063-T5	-
3	76654	1	THRESHOLD	6063-T5	-
4	76702	1	BOTTOM RAIL	6063-T5	-
5	77534	2	DOOR STILE	6063-T5	-
6	76701	1	TOP/MID RAIL	6063-T5	-
7	11081	AS REQD.	CORNER LOCK	6063-T5	-
8	13020	AS REQD.	WEATHERSTRIP ADAPTER	6063-T5	-
9	11080	AS REQD.	BOLT GUIDE	6063-T5	-
10	96534	AS REQD.	CORNER KEY	6063-T5	-
12	76880	AS REQD.	GLASS ADAPTER (LINEAL) (LAM. GLASS)	6063-T5	-
13	76881	AS REQD.	GLASS ADAPTER COVER (LINEAL) (LAM. GLASS)	6063-T5	-
14	13038	AS REQD.	GLASS ADAPTER (CONTINENTAL) (LAM. GLASS)	6063-T5	-
15	76847	AS REQD.	GLASS ADAPTER (LINEAL) (INSUL. LAM. GLASS)	6063-T5	-
16	13039	AS REQD.	GLASS ADAPTER (CONTINENTAL) (INSUL. LAM. GLASS)	6063-T5	-
17	77523	AS REQD.	STILE REINFORCEMENT	6063-T5	-
20	96824	AS REQD.	PILE W'STRIPPING	WOOL	ULTRAFAB
21	96936	AS REQD.	GLAZING GASKET (FP-448)	VINYL	MSW
22	96981	AS REQD.	RUBBER SEAL	-	SCHLEGEL, QEZ 447-2
23	96900	2/ LITE	SETTING BLOCKS AT 1/4 POINTS (1/4" X 1/4" X 1" LONG)	EPDM	DUROMETER 80±5 SHORE A
24	95691	AS REQD.	FASTENERS	ST. STEEL	10-24 X 5/8" FH SELF DRILLING
25	95658	AS REQD.	CORNER LOCK FASTENERS	ST. STEEL	#12 X 1" PH SELF DRILLING
26	95638	AS REQD.	PIVOT FASTENERS	ST. STEEL	#12 X 1" FH SELF DRILLING
27	95696	AS REQD.	GLASS ADAPTER/W'STRIP FASTENERS, AT 3' FROM ENDS & 9" O.C.	ST. STEEL	#8 X 1-1/4" FH SELF DRILLING
30	76657	AS REQD.	3/8" DIA. THREADED ROD	ST. STEEL	-
32	95492	AS REQD.	FLAT WASHER	ST. STEEL	-
33	95493	AS REQD.	PRESSURE WASHER	ST. STEEL	
34	95612	AS REQD.	3/8" HEX NUT	ST. STEEL	-
35	94657	AS REQD.	CORNER LOCK FASTENERS	ST. STEEL	10-32 X 3/4" FH SELF DRILLING
36	95858	AS REQD.	PIVOT FASTENERS	ST. STEEL	#10 X 2" FH SELF DRILLING
37	60955	AS REQD.	PIVOT SET	-	SECURITY LOCK
39	77572	AS REQD.	HOLE PLUG	PVC	M&M PLASTICS
43	60956	AS REQD.	ADAPTER FOR RIXON PIVOT 1"	-	-

DOOR HARDWARE

3 POINT LOCKS AT LOCK STILE

3 POINT LOCK SYSTEM (#34501-K OR #34387-K) BY 'ATZ' WITH ACTIVATING HANDLE AT 42" FROM BOTTOM FASTENED TO STILE WITH (2) #12 X 1/2" FH MACHINE HANDLE ACTIVATES DEAD BOLT AND SHOOT BOLTS ENGAGING AT HEAD AND SILL 1/2" DIA. BULLET TIPS SHOOT BOLTS CONNECTED TO LOCK WITH 5/16" DIA. THREADED RODS

FLUSH BOLT AT PIVOT STILE

FLUSH BOLTS (#76665) BY 'SAL'S HARDWARE' MANUALLY OPERATED LEVERS AT 27" FROM TOP AND 12" FROM BOTTOM ACTIVATES FLUSH BOLTS PROTRUDING 1/2" INTO HEAD AND 3/8" INTO SILL 1/2" DIA. BULLET TIPS FLUSH BOLTS CONNECTED TO LEVERS WITH 5/16" DIA. THREADED ROD.

ELECTRICAL FUNCTION IS NOT PART OF THIS APPROVAL.

SEALANTS:

ALL FRAME AND PANEL JOINTS AND SEAMS SEALED WITH PACIFIC GLOBAL SILICONE SEALANT.

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ALUMINUM OUTSWING PIVOT DOOR (L.M.I.)



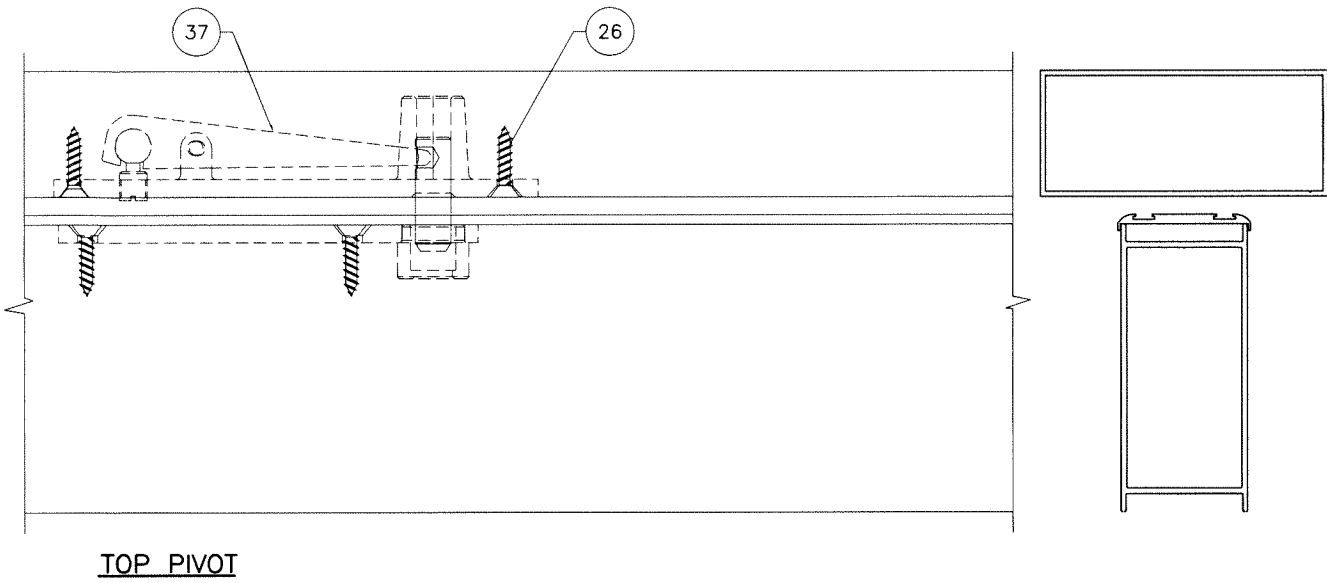
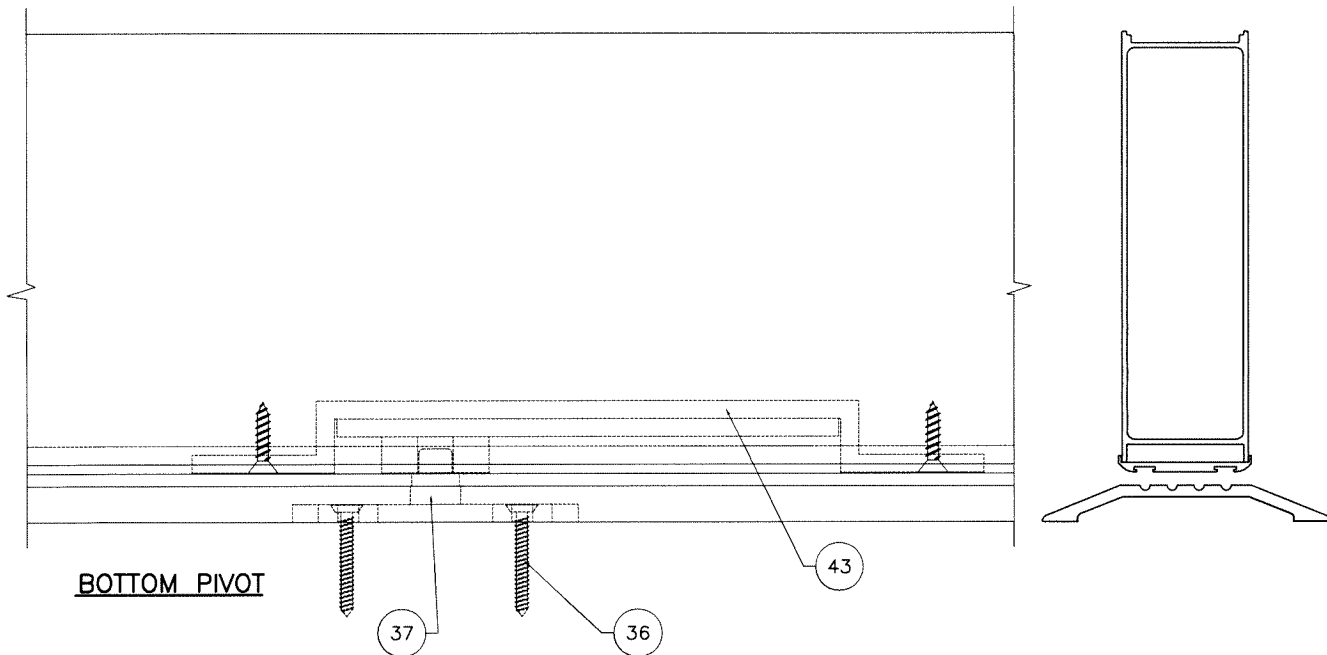
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revisions:

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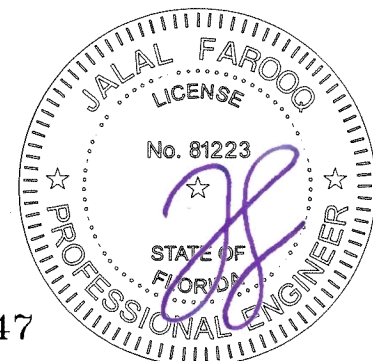
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COMP-ANL \ 19-104F-AM

1 FRAME HEAD

3 THRESHOLD

2 FRAME JAMB

8 W'STRIP ADAPTER

10 CORNER KEY

9 BOLT GUIDE

6 TOP/MID RAIL

4 BOTTOM RAIL

5 DOOR STILE

7 CORNER LOCK

13 GLASS ADAPTER COVER (LAM. GLASS)

12 GLASS ADAPTER (LINEAL) (LAM. GLASS)

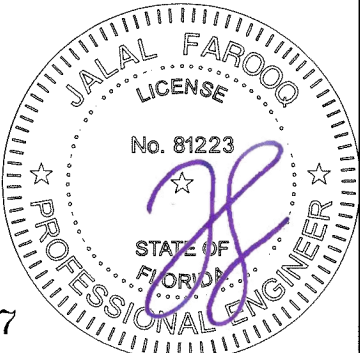
15 GLASS ADAPTER (LINEAL) (INSUL. LAM. GLASS)

14 GLASS ADAPTER (CONTINENTAL) (LAM. GLASS)

16 GLASS ADAPTER (CONTINENTAL) (INSUL. LAM. GLASS)

17 PIVOT STILE REINF.

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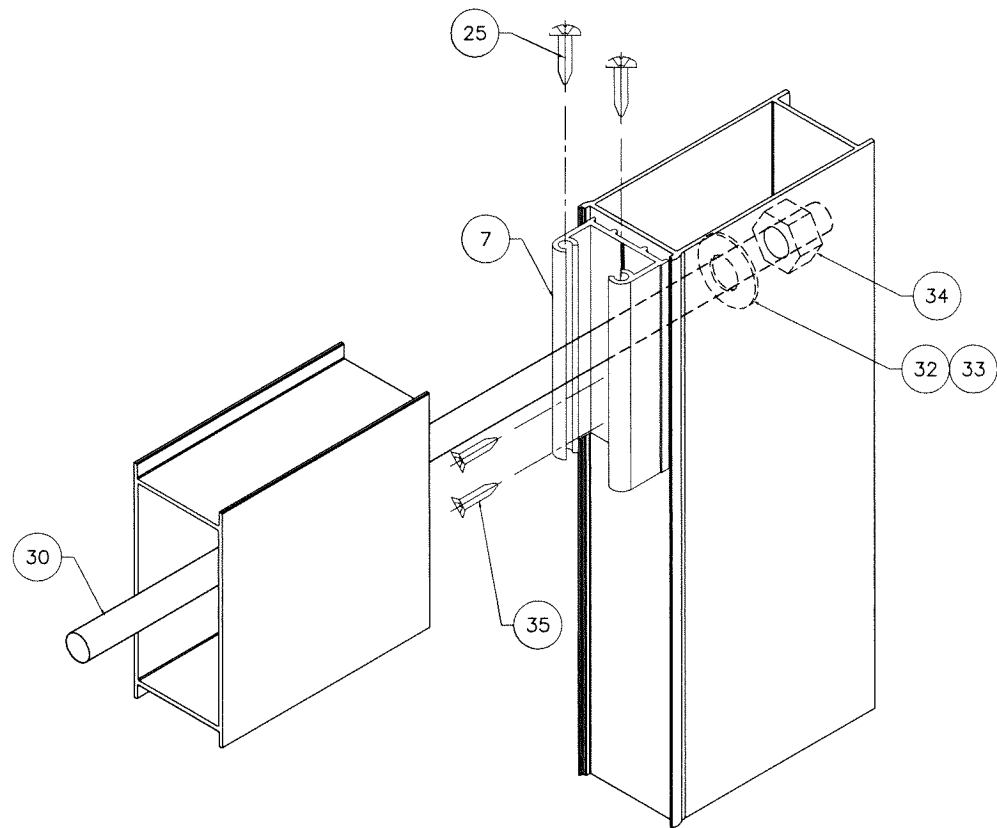
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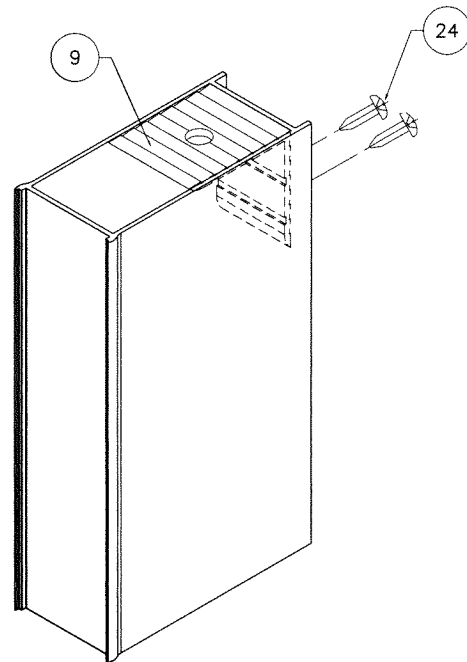
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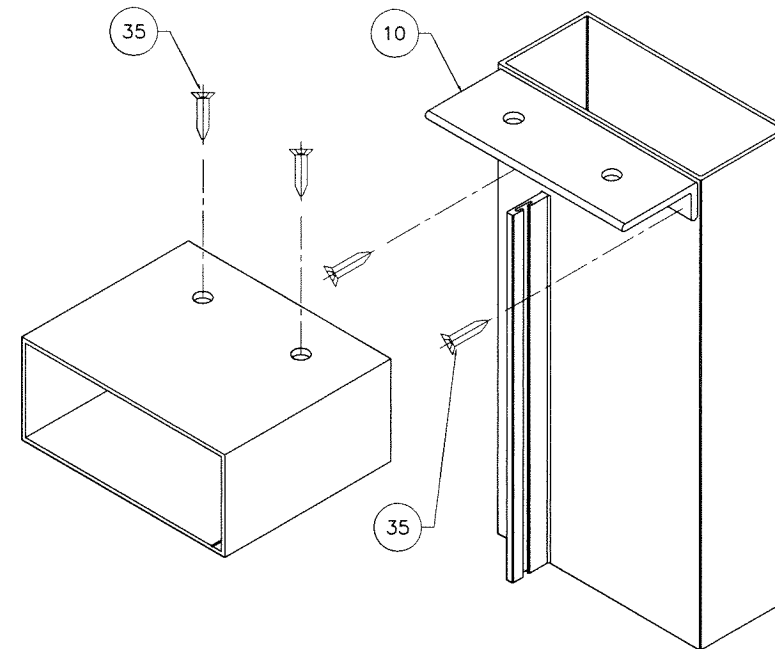
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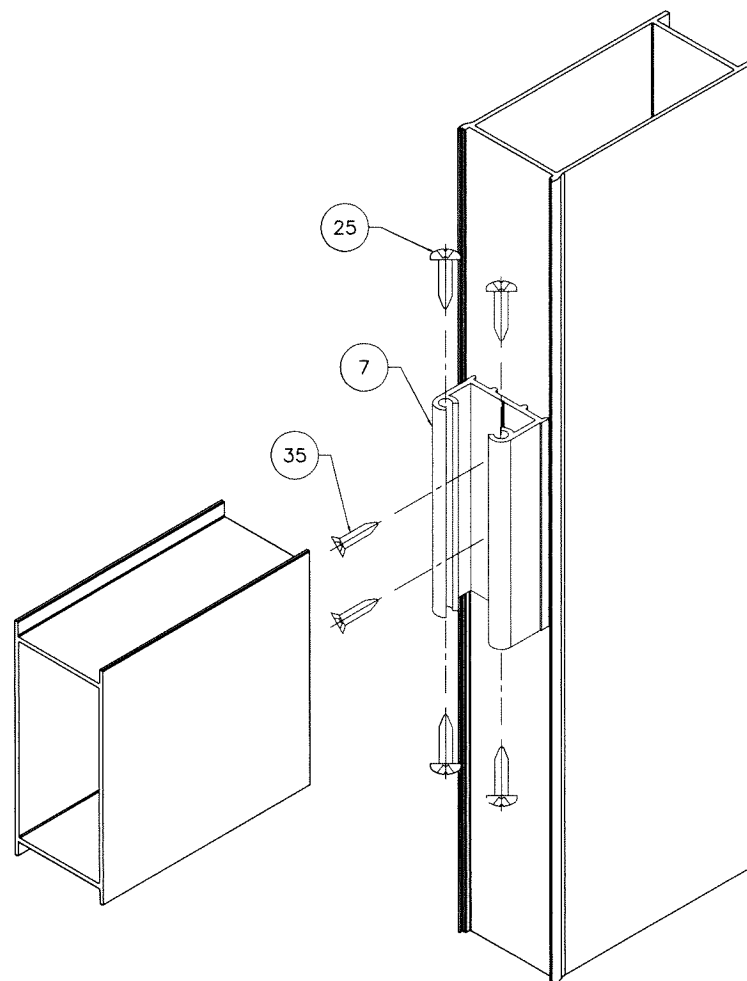
PANEL CORNER TOP & BOTTOM



BOLT GUIDE

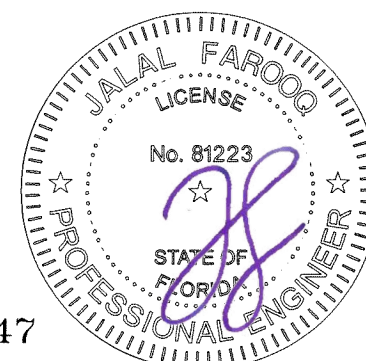


FRAME TOP CORNER



MID RAIL CORNER

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