

DESIGN LOAD CAPACITY - PSF				
DOOR FRAME WIDTH (OX, XO) INCHES	DOOR FRAME WIDTH (OXO) INCHES	DOOR FRAME HEIGHT INCHES	7/16" LAM. GLASS	
			EXT. (+)	INT. (-)
72	108	82	60.0	60.0
80	120		60.0	60.0
88	132		60.0	60.0
96	144		60.0	60.0
104	156		55.6	55.6
112	168	51.6	51.6	
72	108	84	60.0	60.0
80	120		60.0	60.0
88	132		60.0	60.0
96	144		60.0	60.0
104	156		55.6	55.6
72	108	90	60.0	60.0
80	120		60.0	60.0
88	132		60.0	60.0
96	144		60.0	60.0
104	156		55.6	55.6
72	108	95-1/2	60.0	60.0
80	120		60.0	60.0
88	132		60.0	60.0
96	144		60.0	60.0
104	156		55.6	55.6

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

DAYLITE OPENINGS:

- D.L.O. HEIGHT = PANEL HEIGHT - 6.625"
- D.L.O. WIDTH (FIX. PANEL) = PANEL WIDTH - 5.750"
- D.L.O. WIDTH (OPER. PANEL) = PANEL WIDTH - 6.000"
- PANEL HEIGHT = DOOR FRAME HEIGHT - 0.875"

SERIES 4100 ALUMINUM SLIDING GLASS DOOR

DESIGN LOAD CAPACITY FOR DOORS TO BE AS PER CHARTS SHOWN ABOVE.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2017 (6TH EDITION)/2020 (7TH 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.

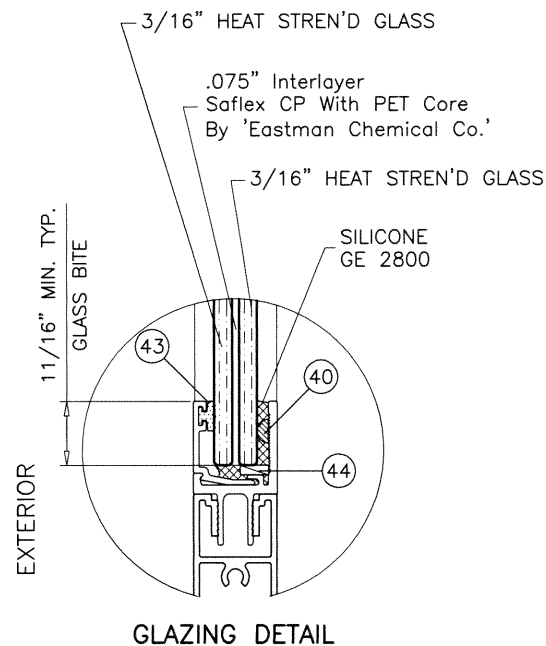
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2017/2020 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

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.

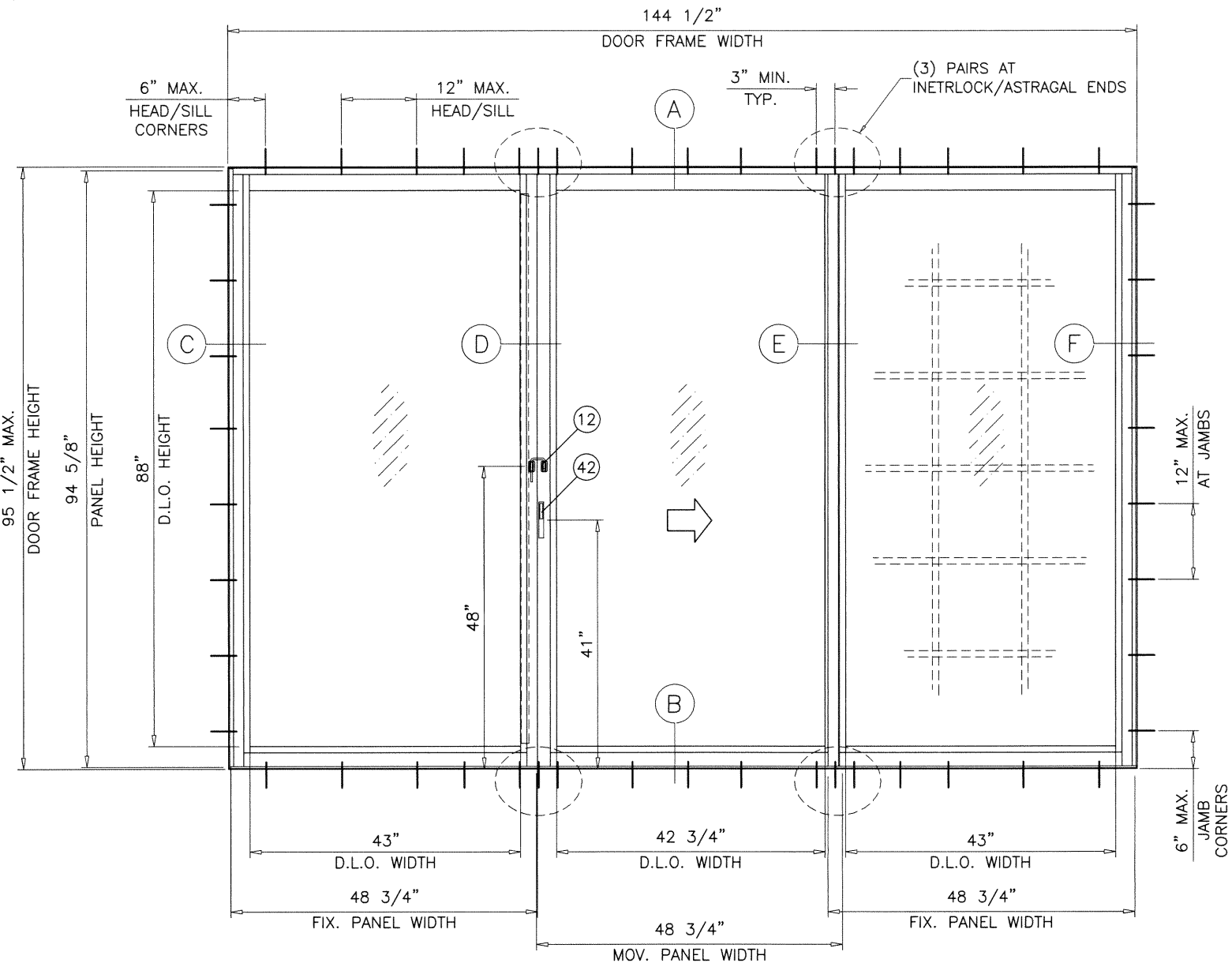
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

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

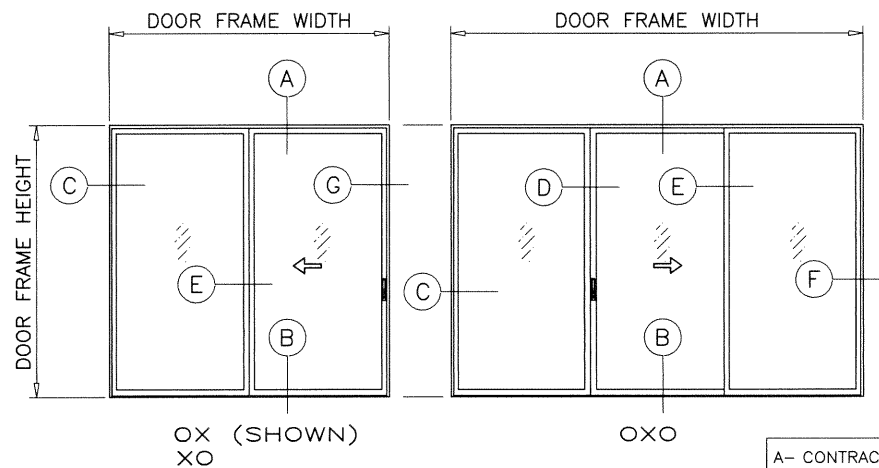
MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.



GLAZING DETAIL



TYPICAL ELEVATION TESTED UNITS



APPROVED CONFIGURATIONS

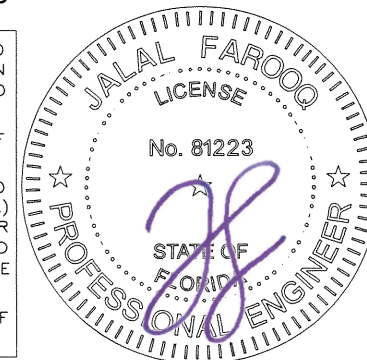
NOTE: GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT AND REQUIRE NO SHUTTERS.

Sealed: 10/13/2020

FL #21848

- 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.



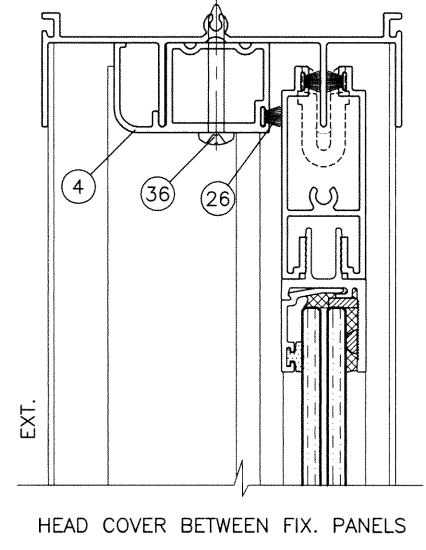
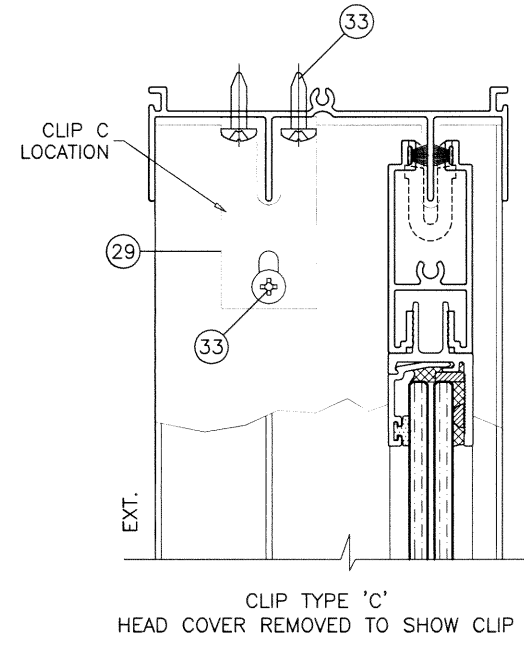
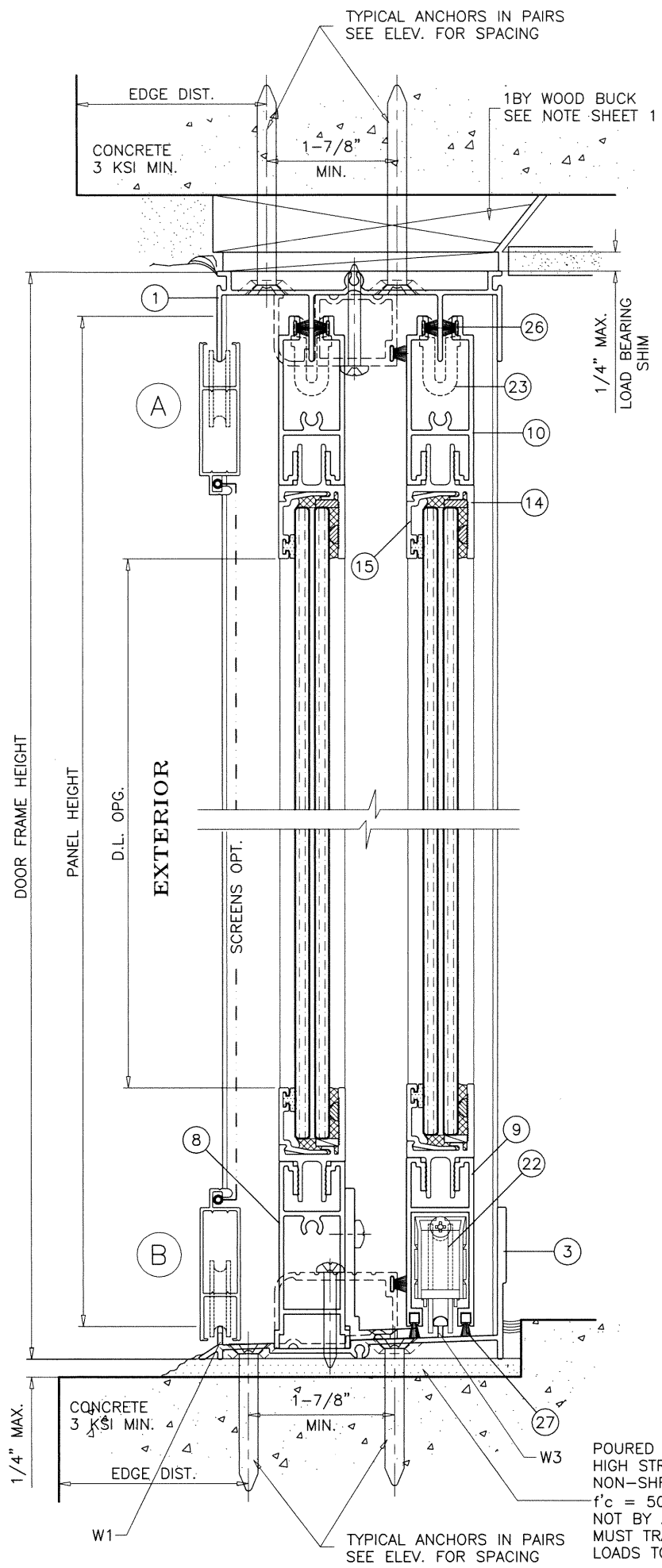
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AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL W17-16AWP

SERIES 4100 ALUM SLD. GLASS DOOR (L.M.I.)
Assura Windows & Doors, LLC
 d/b/a AWP Windows & Doors
 1543 N. Powerline Road
 Pompano Beach, FL 33069
 Tel. (305) 887-2646 Fax. (-)

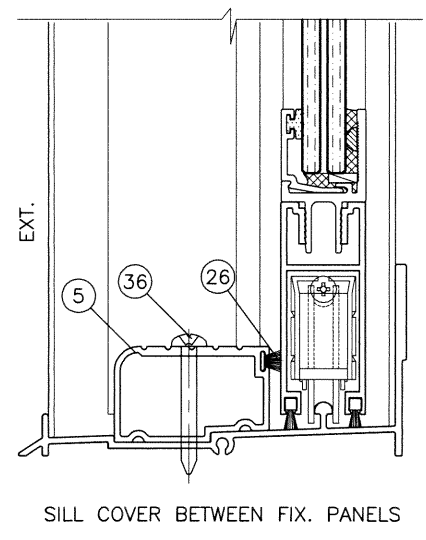
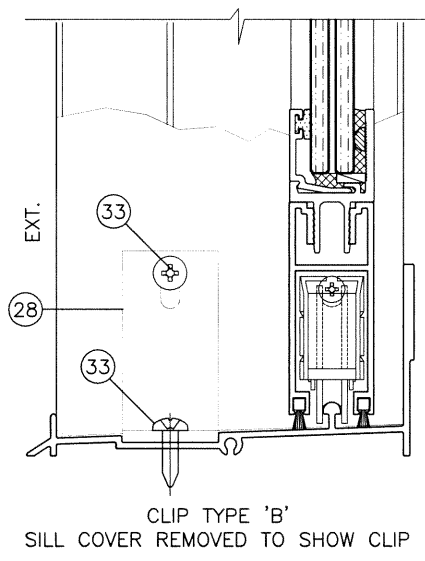
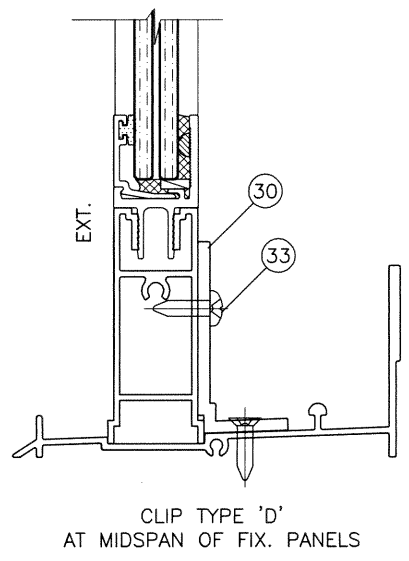
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A	10.09.17	UPDATED TO 2017 FBC
B	10.23.20	UPDATED TO 2020 FBC

date:	02-09-17
scale:	1/2"=1'-0"
dr. by:	TARIQ
chk. by:	

drawing no.
W17-16
 sheet 1 of 6



FIXED PANEL CLIPS INSTALLATION SHOWN IN DETAILS
FOR DOOR FASTENERS SEE SHEETS 2 THRU 4.



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

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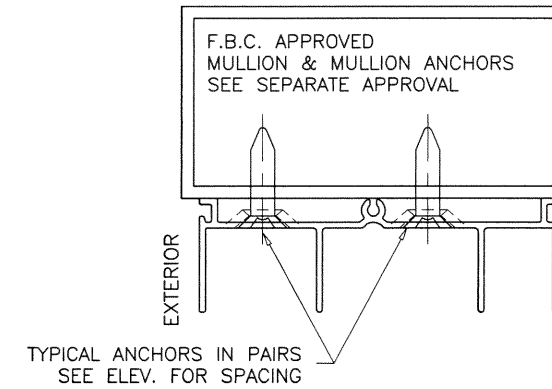
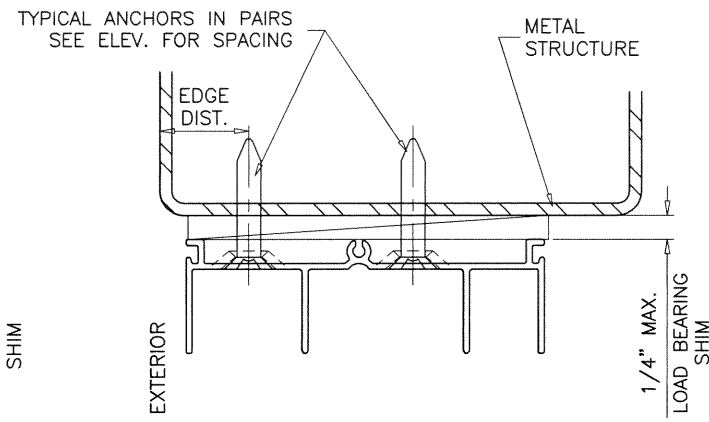
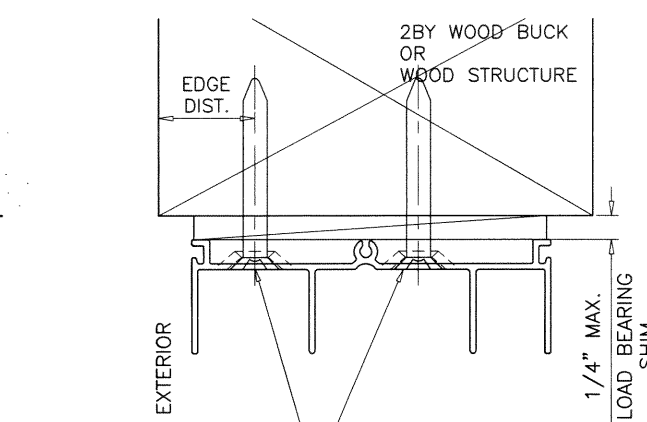
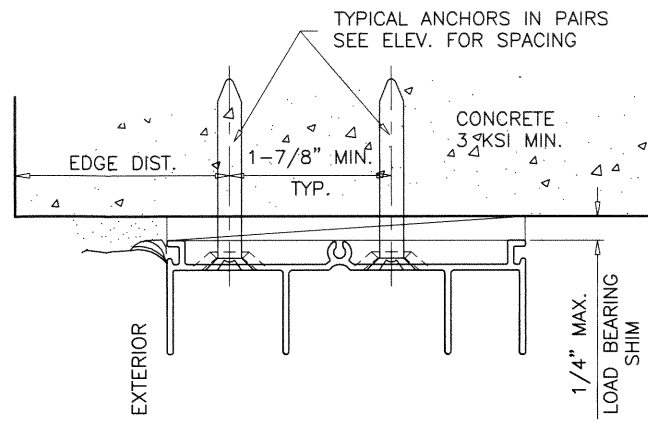
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chk. by:

drawing no.
W17-16
sheet 2 of 6



TYPICAL ANCHORS IN PAIRS
SEE ELEV. FOR SPACING

WOOD BUCKS AND METAL STRUCTURE NOT BY 'AWP WINDOWS'
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. TAPCON BY 'ITW' (Fu=125 KSI, Fy=100 KSI)

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD (HEAD/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
1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 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. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

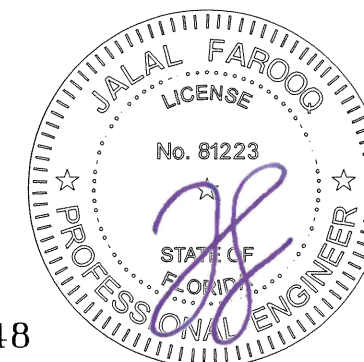
TYPICAL EDGE DISTANCE

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

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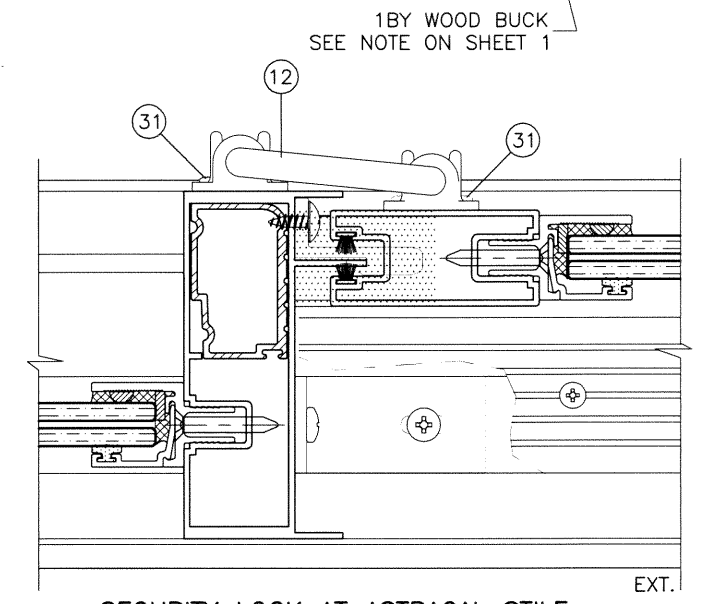
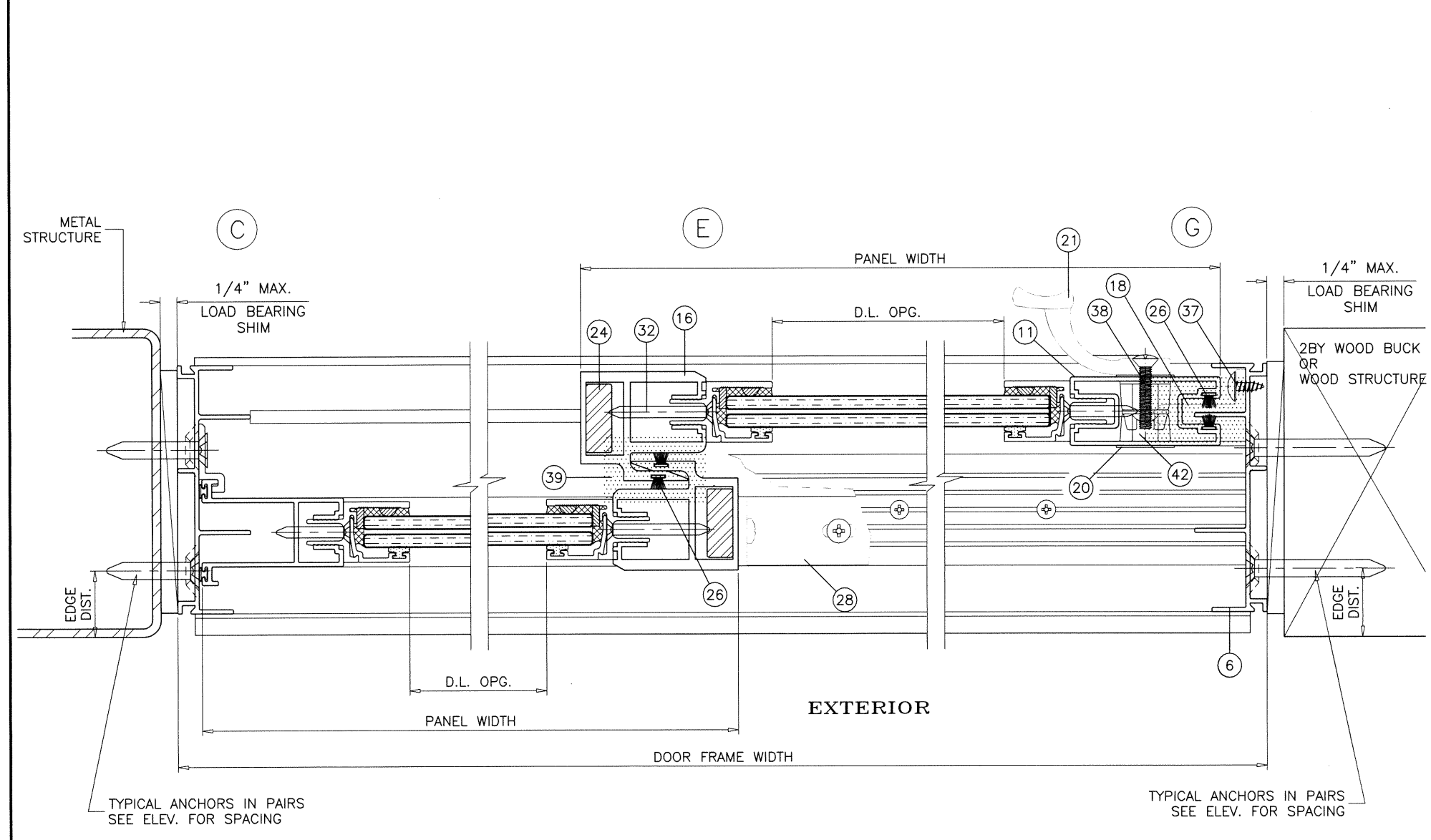
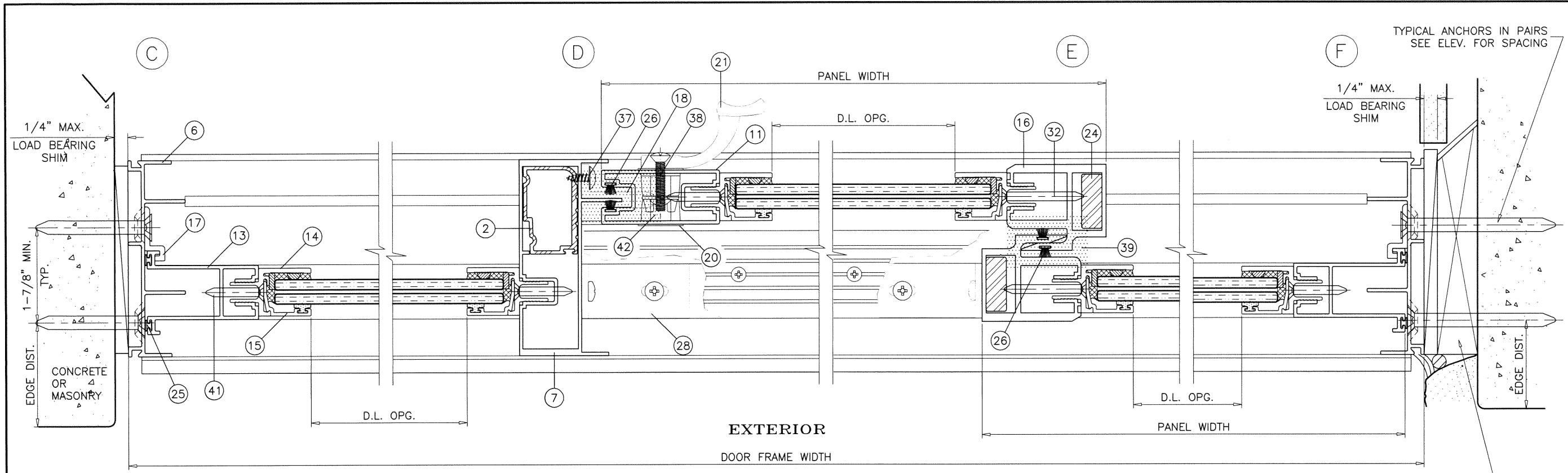
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sheet 3 of 6



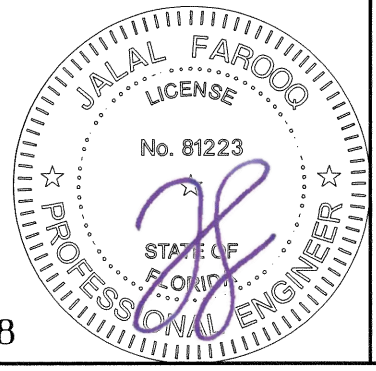
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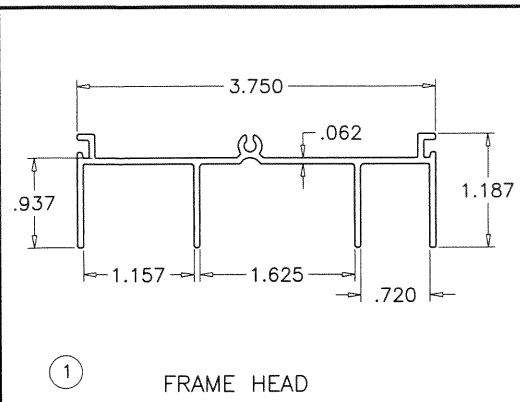
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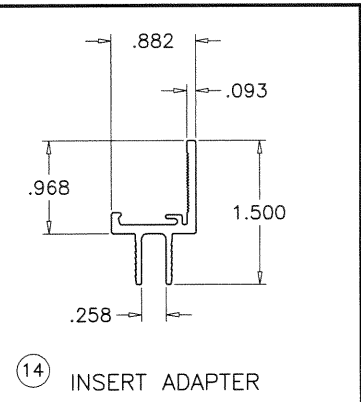


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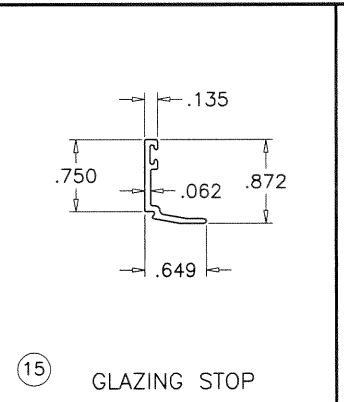
FL #21848



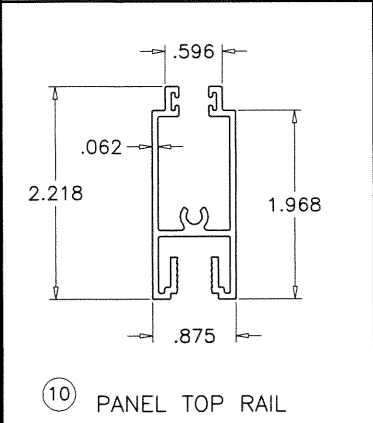
① FRAME HEAD



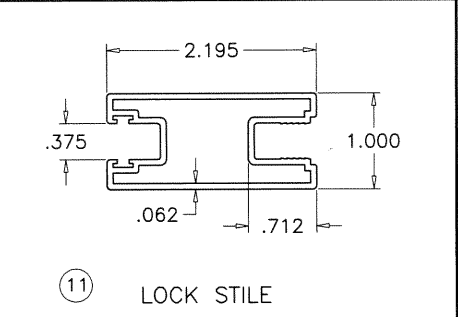
⑭ INSERT ADAPTER



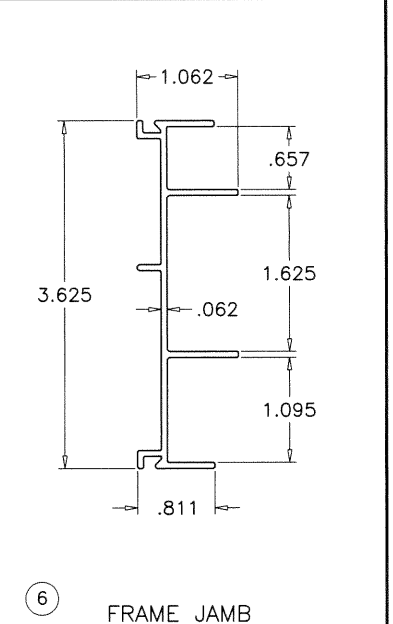
⑮ GLAZING STOP



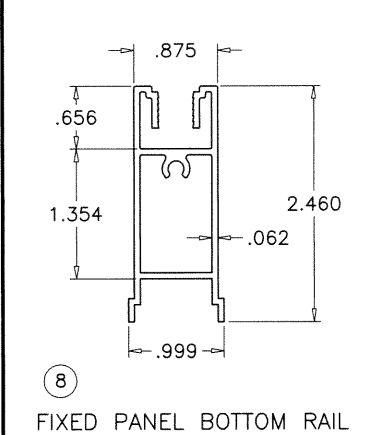
⑩ PANEL TOP RAIL



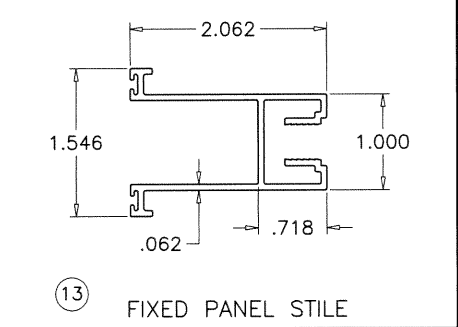
⑪ LOCK STILE



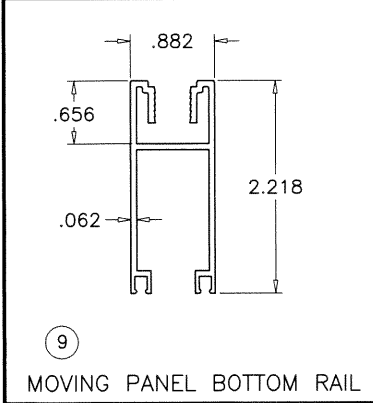
⑥ FRAME JAMB



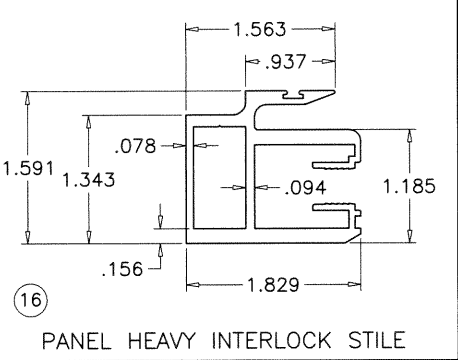
⑧ FIXED PANEL BOTTOM RAIL



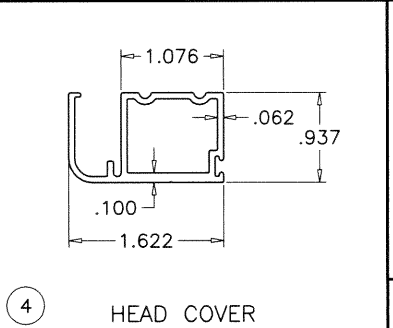
⑬ FIXED PANEL STILE



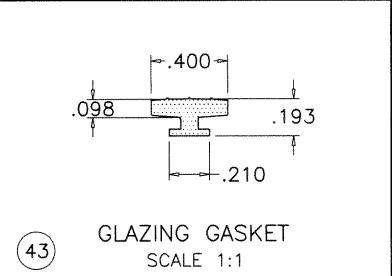
⑨ MOVING PANEL BOTTOM RAIL



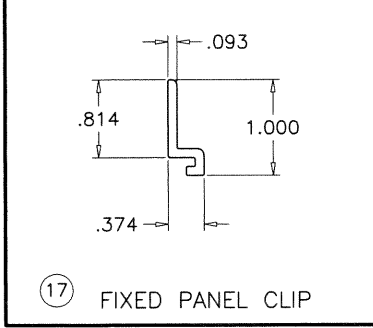
⑯ PANEL HEAVY INTERLOCK STILE



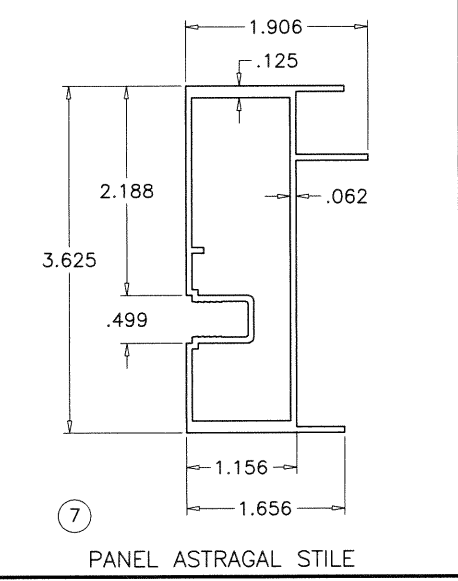
④ HEAD COVER



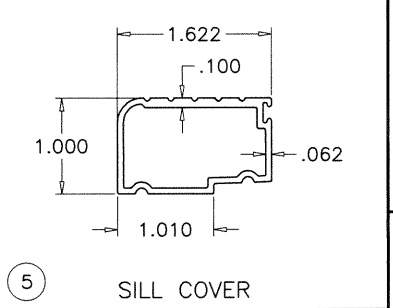
④③ GLAZING GASKET
SCALE 1:1



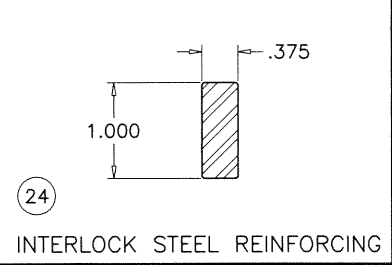
⑰ FIXED PANEL CLIP



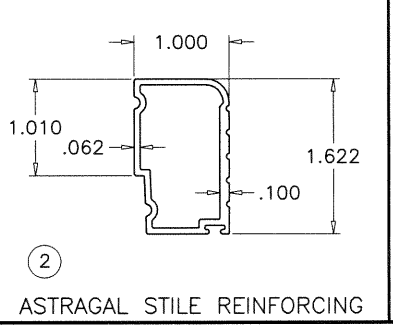
⑦ PANEL ASTRAGAL STILE



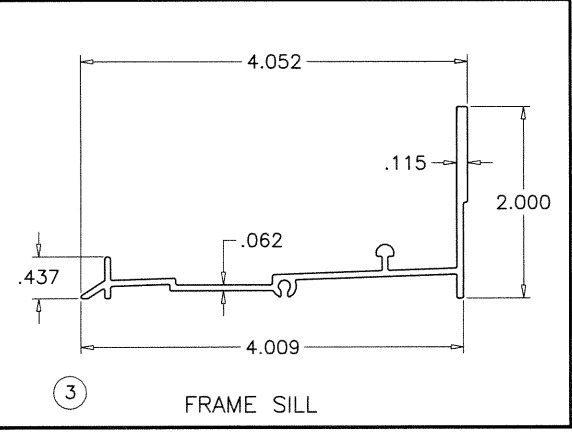
⑤ SILL COVER



②④ INTERLOCK STEEL REINFORCING



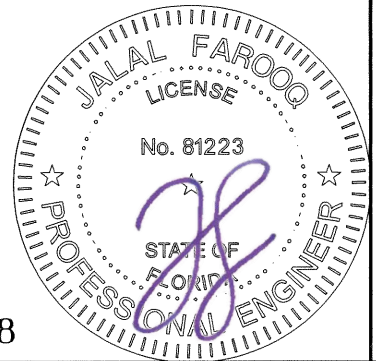
② ASTRAGAL STILE REINFORCING



③ FRAME SILL

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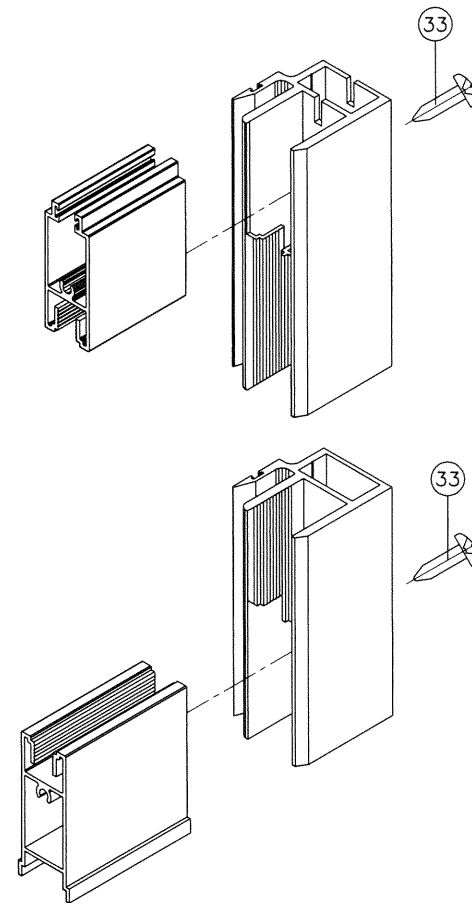
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no	date	by	description

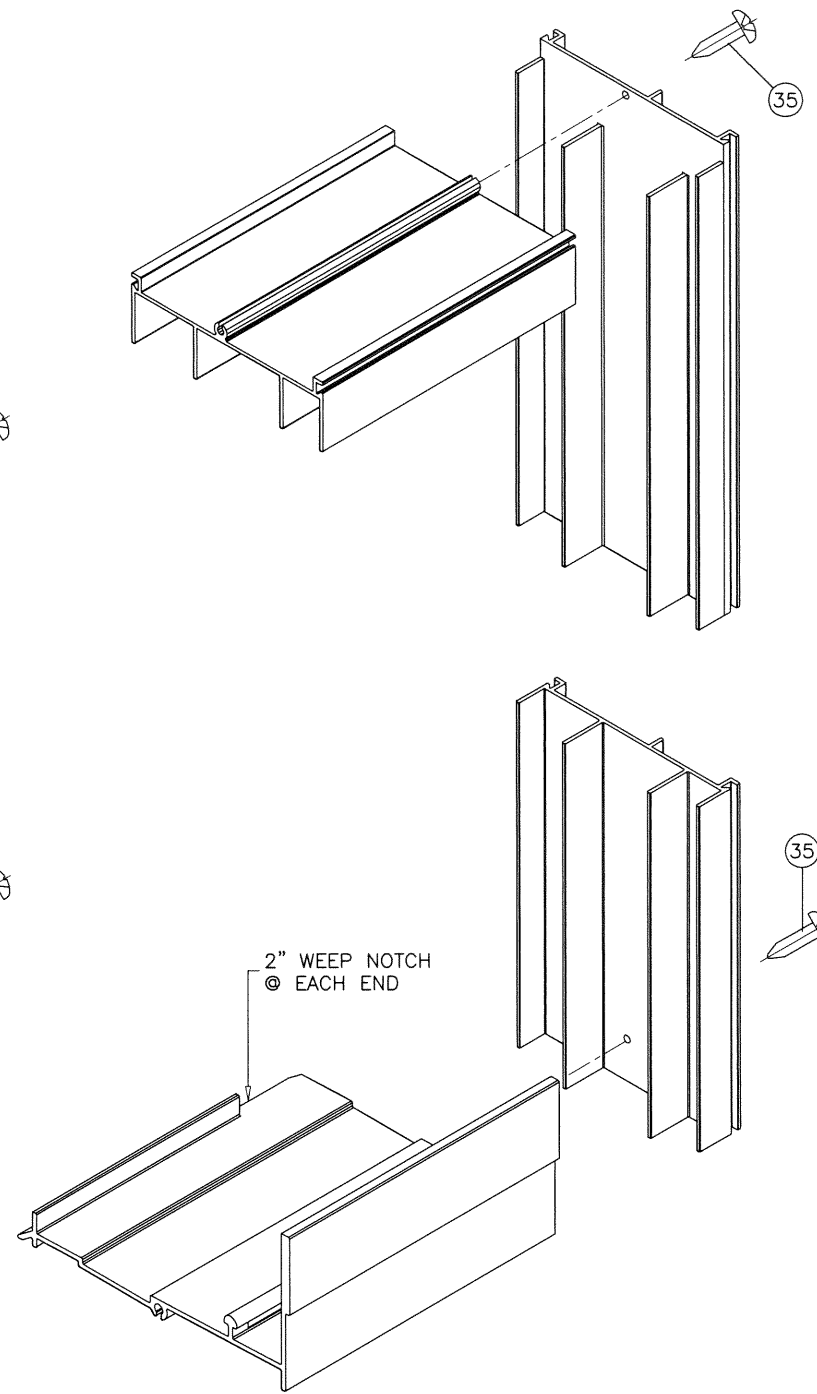
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 dr. by: TARIQ
 chk. by:

drawing no.
W17-16
 sheet 5 of 6

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL
1	YE-304	1	FRAME HEAD	ALUM. (6063-T6)
2	YE-3010	1	ASTRAGAL REINF. (FULL LENGTH)	ALUM. (6063-T6)
3	YE-373	1	FRAME SILL	ALUM. (6063-T6)
4	YE-309	1	HEAD COVER	ALUM. (6063-T6)
5	YE-3010	1	SILL COVER	ALUM. (6063-T6)
6	YE-303	2	FRAME JAMB	ALUM. (6063-T6)
7	YE-344	1	PANEL HEAVY ASTRAGAL STILE	ALUM. (6063-T6)
8	YE-379	2	PANEL BOTTOM RAIL (FIXED)	ALUM. (6063-T6)
9	YE-306	1	PANEL BOTTOM RAIL (MOVING)	ALUM. (6063-T6)
10	YE-307	3	PANEL TOP RAIL (FIXED & MOVING)	ALUM. (6063-T6)
11	YE-301	1	PANEL LOCKING STILE	ALUM. (6063-T6)
12	YH-4044	1	SECURITY LOCK @ 48" FROM BOTTOM, FASTENED W/ (4) #8 X 1" PH SMS	STEEL CHROME
13	YE-302	2	PANEL FIXED END STILE	ALUM. (6063-T6)
14	YE-382	12	INSERT ADAPTER (7/16" GLASS)	ALUM. (6063-T6)
15	YE-383	12	GLAZING STOP (7/16" GLASS)	ALUM. (6063-T6)
16	YE-325	2	PANEL HEAVY INTERLOCK STILE	ALUM. (6063-T6)
17	YE-377	2	FIXED PANEL CLIP (95" LONG)	ALUM. (6063-T6)
18	YH-4003	1	KEEPER	CAST (ZAMAK)
19	YH-4016	1	EXTERIOR CONCEALED HANDLE	CAST (ZAMAK)
20	YH-4017	1	INTERIOR CONCEALED HANDLE	CAST (ZAMAK)
21	YH-4022	1	DOOR HANDLE	CAST (ZAMAK)
22	YH-3023	2	ROLLER ASSEMBLY, FASTENED W/ (1) #10-24 X 7/8" PH MS	STEEL
23	YH-4002	2	PANEL TOP SLIDE GUIDE	NYLON
24	YH-4027	2	1 x .375" REINF. BAR (FULL PANEL LENGTH)	STEEL (A36)
25	YH-4010	AS REQ'D	BULB VINYL WEATHERSTRIP	VINYL
26	YH-4004	AS REQ'D.	.187" x .250" WEATHERSTRIP	-
27	YH-6006	AS REQ'D.	.115" x .500" WEATHERSTRIP	-
28	YH-4034	1	TYPE B CLIP (2 x 2 x 1 x 1/8")	ALUM. (6063-T6)
29	YH-4055	1	TYPE C CLIP (2 x 2 x 1 x 1/8")	ALUM. (6063-T6)
30	YH-4054	6	TYPE D CLIP (2 x 7/8 x 1/8 x 3")	ALUM. (6063-T6)
31	-	8	#8 x 3/4" PH. P.H. SMS.	CAD PLATED
32	-	AS REQ'D	#8 x 1-1/2" FH. SMS.	CAD PLATED
33	YF-2	46	#10 x 1" PH. SMS. (PANELS/CLIPS)	CAD PLATED
34	YF-17	1/WHEEL	#10-24 x 7/8" PH. MS.(WHEEL ADJ)	CAD PLATED
35	YF-10	4/FRAME	#8 x 1" PH. SMS. (FRAME ASSY.)	CAD PLATED
36	-	6	#10 x 1-1/4" P.H. SMS.	CAD PLATED
37	YF-18	2	#10 x 3/8" TRUSS HEAD SMS.	CAD PLATED
38	YF-27	2	#10-32 x 1" OVAL HEAD. SS. MS.	STAINLESS STEEL
39	YH-4013	4	PAD (INTRLK/ASTRAGAL (TOP/BOTTOM))	-
40	GB125375	AS REQ'D	GLAZING SPACER	-
41	-	AS REQ'D	#10 x 1-1/4" FH. SMS.	CAD PLATED
42	-	1	HOOK LOCK	METALLIC
43	YH-624	AS REQD.	GLAZING GASKET, DUROMETER 70±5 SHORE A BY MELTPOINT PLASTICS (TEKNOR APEX COMPANY)	VINYL
44	-	2/ LITE	SETTING BLOCKS, DUROMETER 80±5 SHORE A	EPDM



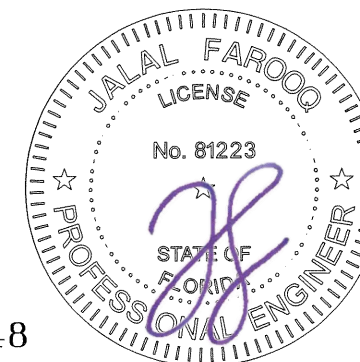
PANEL CORNER DETAILS



FRAME CORNER DETAIL

Sealed: 10/13/2020

FL #21848



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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
 COMP-ANL\W17-16AWP

SERIES 4100 ALUM SLD. GLASS DOOR (L.M.I.)
Assura Windows & Doors, LLC
 d/b/a AWP Windows & Doors
 1543 N. Powerline Road
 Pompano Beach, FL 33069
 Tel. (305) 887-2646 Fax. (-)

no	date	description

date: 02-09-17	scale: 1/2" = 1"
dr. by: TARIQ	chk. by:

drawing no.	W17-16
sheet	6 of 6