

SERIES 'TITAN 85' ALUMINUM SLIDING GLASS DOOR

DESIGN LOAD RATING FOR DOORS TO BE AS PER CHART SHOWN ON SHEET 2.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2014 (5TH EDITION)/2017 (6TH 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 2014/2017 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.

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.

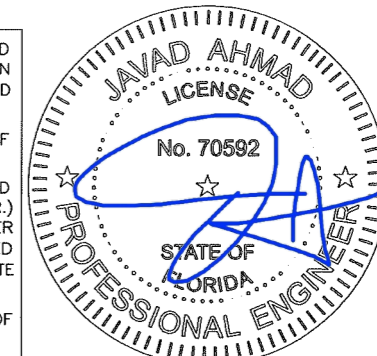
THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

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

TYPICAL ELEVATION
TYPICAL ELEVATION

LAMINATED GLASS
LARGE MISSILE IMPACT

FL #15944



A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
C- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W12-47IBP

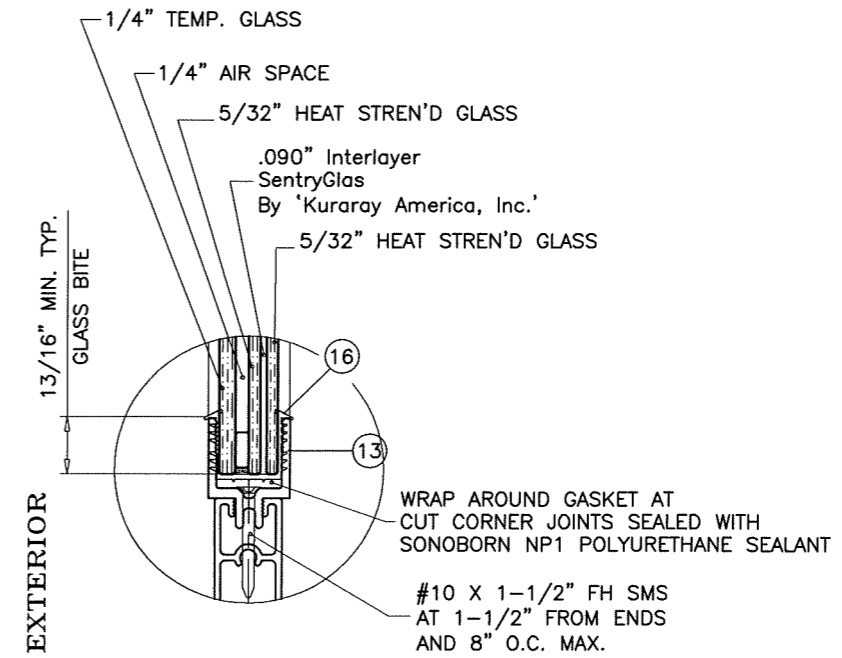
SERIES 'TITAN 85' ALUM SLIDING GLASS DOOR (L.M.I.)
INTERNATIONAL IMPACT BUILDING PRODUCTS, LLC
d/b/a PLAZA DOOR
5900 AUSTRALIAN AVE. SUITE #3
WEST PALM BEACH, FL 33407
TEL. (561) 578-5450 FAX. (561) 578-5460

no	date	by	description
A	12.07.17		UPDATED TO 2017 FBC

date: 08-10-12
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dr. by: TARIQ
chk. by:

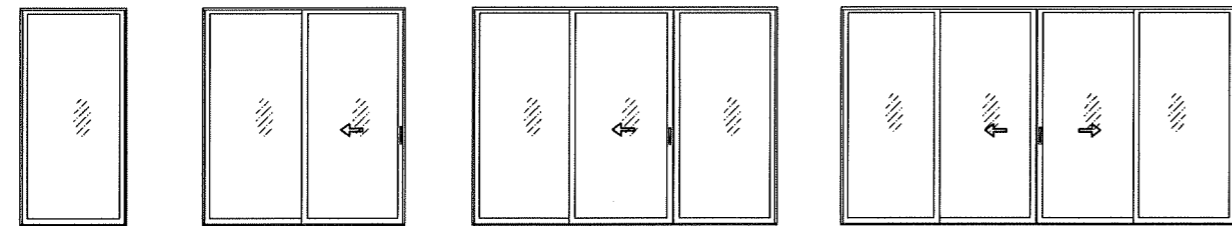
drawing no.
W12-47
sheet 1 of 7

DESIGN LOAD CAPACITY - PSF			
PANEL WIDTH INCHES	PANEL HEIGHT INCHES		
		EXT.(+)	INT.(-)
36	80	85.0	85.0
42		85.0	85.0
48		85.0	85.0
52-3/8		85.0	85.0
54		85.0	85.0
60		85.0	85.0
36	84	85.0	85.0
42		85.0	85.0
48		85.0	85.0
52-3/8		85.0	85.0
54		85.0	85.0
60		85.0	85.0
36	96	85.0	85.0
42		85.0	85.0
48		85.0	85.0
52-3/8		85.0	85.0
36	100	85.0	85.0
42		85.0	85.0
48		85.0	85.0
52-3/8		85.0	85.0



GLAZING DETAIL

7/8" OVERALL INSUL. LAMINATED GLASS

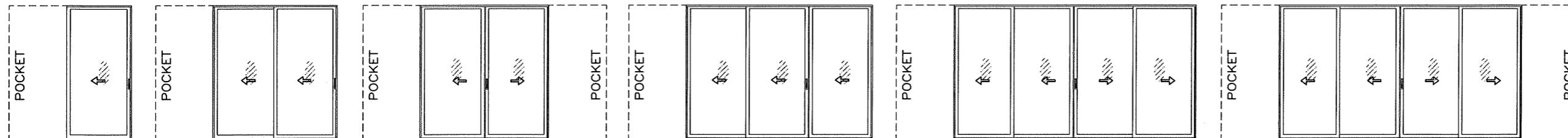


O (SHOWN) OX (SHOWN)
 XO (REVERSE)
 XX
 OO

OXX (SHOWN)
 OXO
 XXO
 XXX

OXXO (SHOWN)
 OXXX
 XXXX

**APPROVED CONFIGURATIONS
NON-POCKETED DOORS**



PX (SHOWN) PXX (SHOWN)
 XXP (REVERSE)

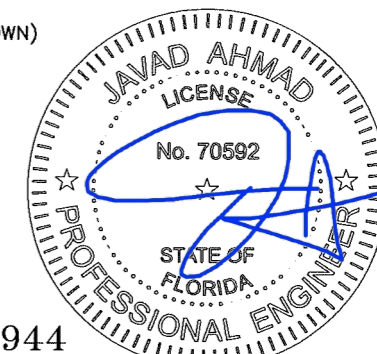
PX-XP (SHOWN)

PXXX (SHOWN)
 XXXP

PXXXX (SHOWN)
 XXXXP

PXX-XXP (SHOWN)

**APPROVED CONFIGURATIONS
POCKETED DOORS**

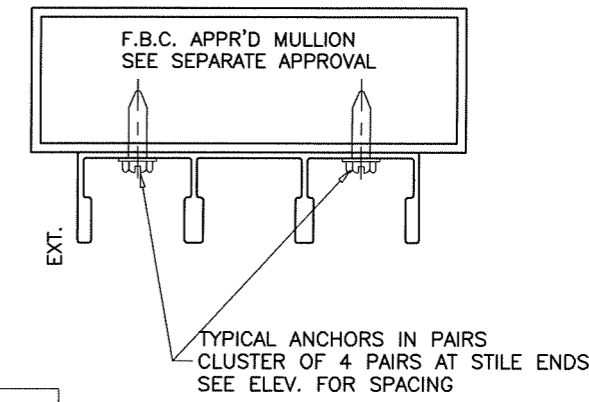
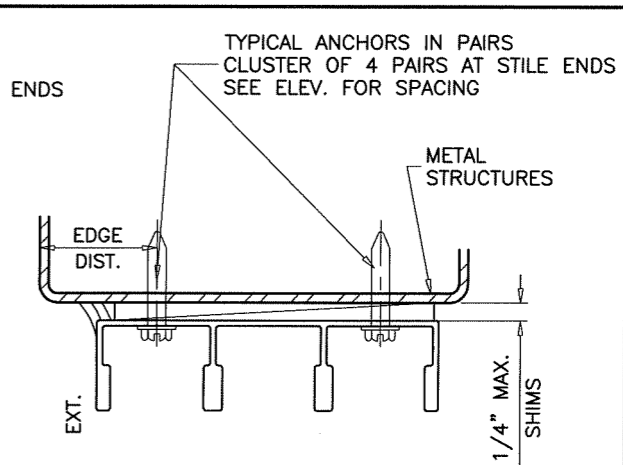
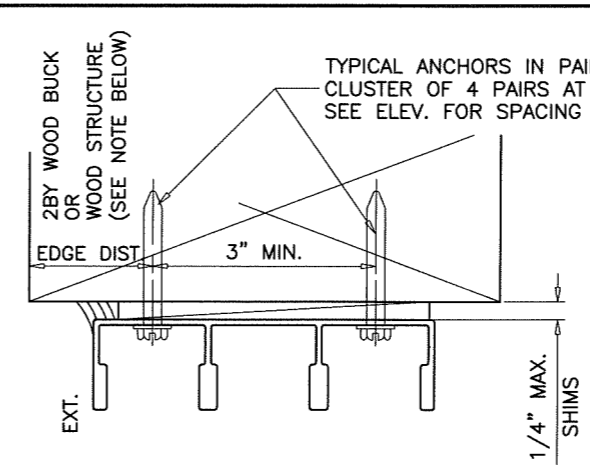
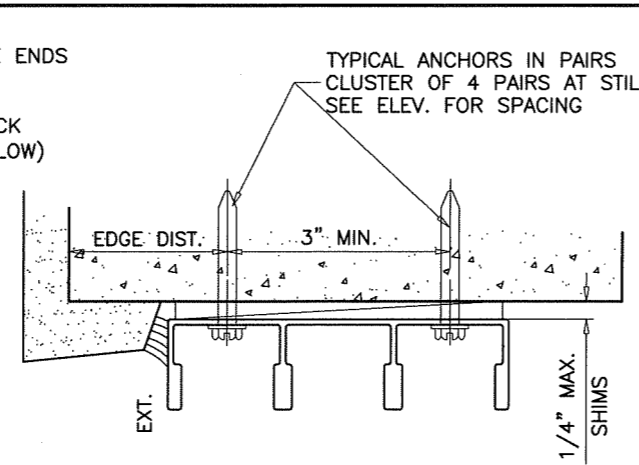
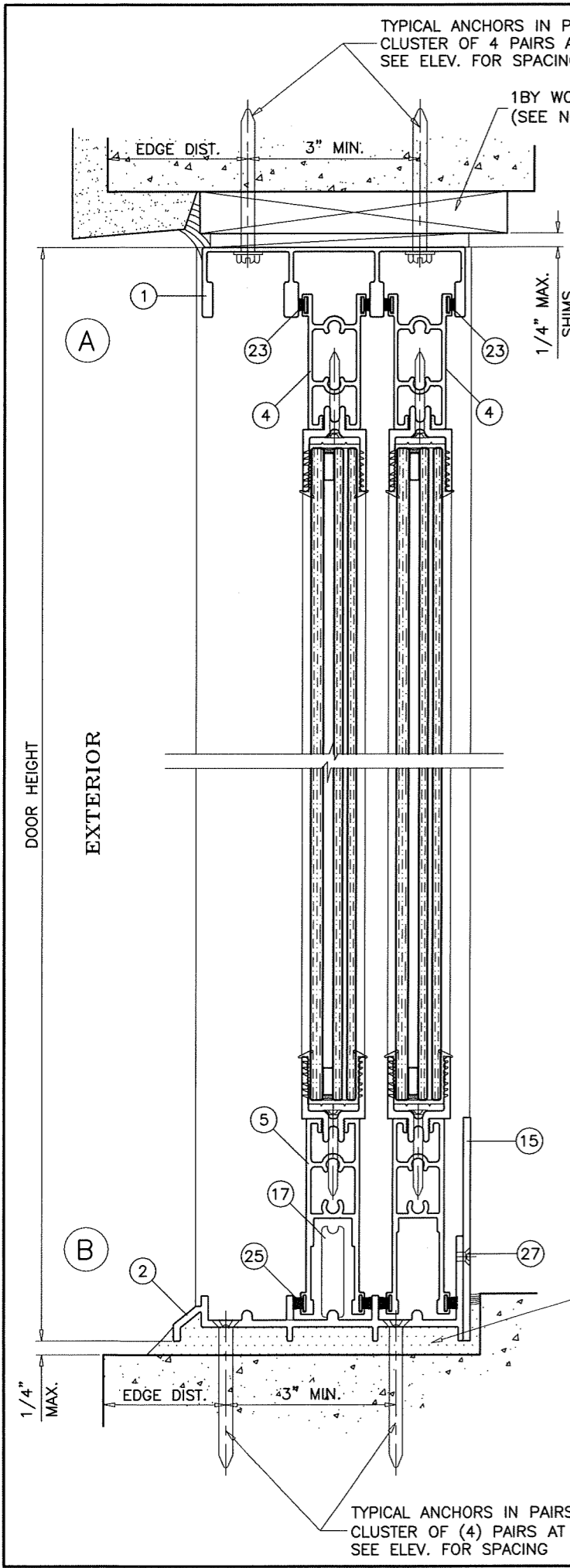


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revisions:	no	date	by	description
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dr. by:	TARIQ	chk. by:		
drawing no.	W12-47			
sheet	2 of 7			

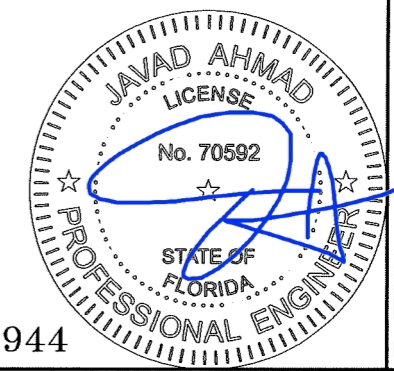


1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY PLAZA DOOR MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 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)
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. 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)

TYPICAL EDGE DISTANCE
 INTO CONCRETE AND BLOCKS = 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.

POURED & HARDENED HIGH STRENGTH GROUT
 f'c = 5000 PSI MIN.
 NOT BY PLAZA DOOR
 MUST TRANSFER SHEAR LOADS TO STRUCTURE



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Sealed:12/14/2017

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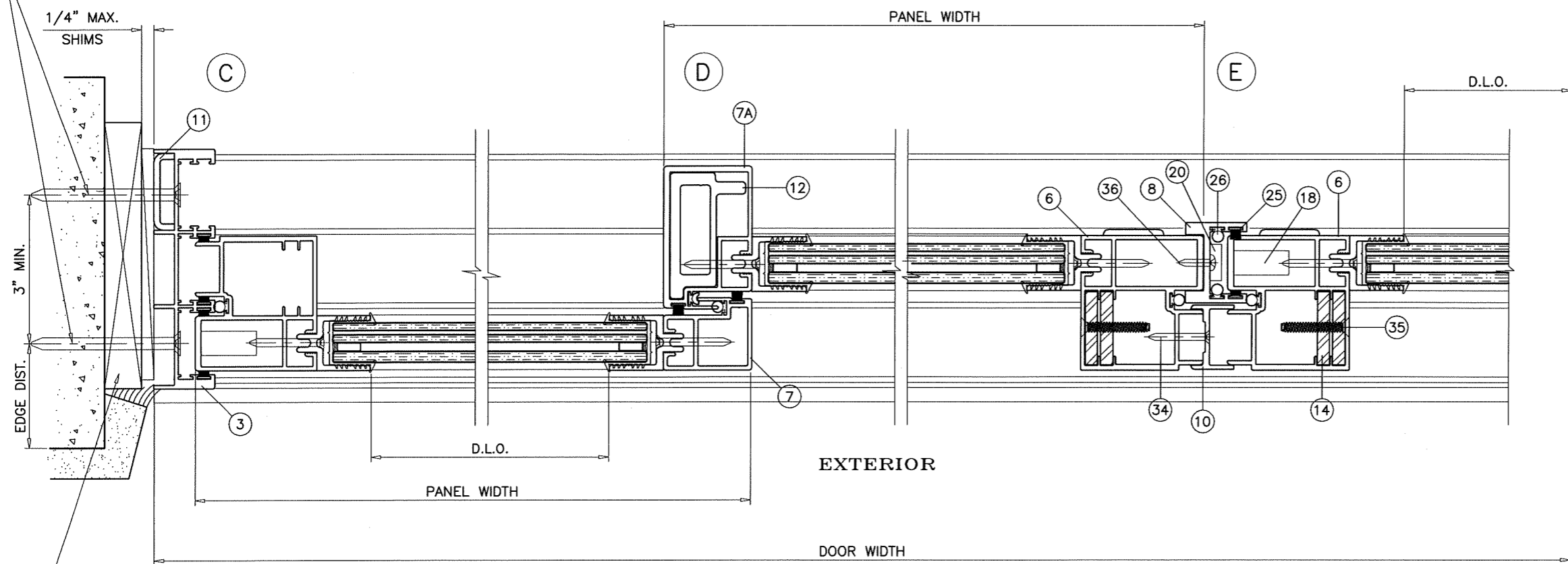
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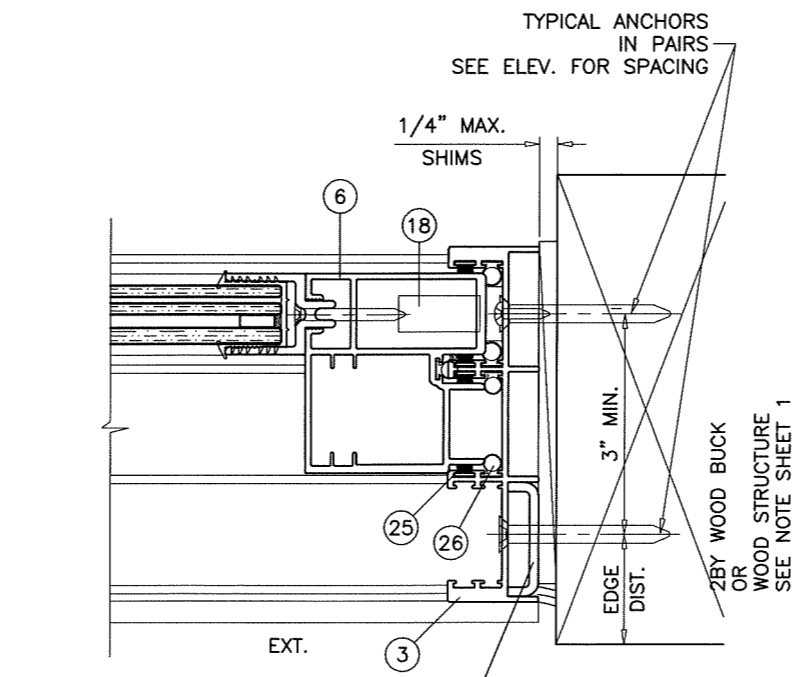
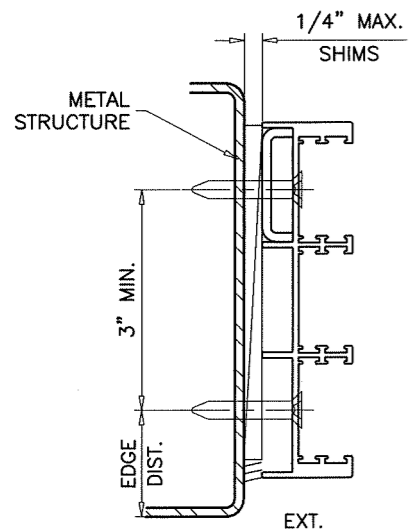
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 sheet 3 of 7

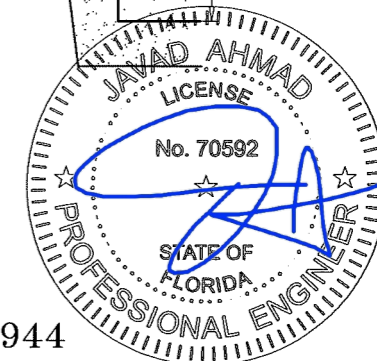
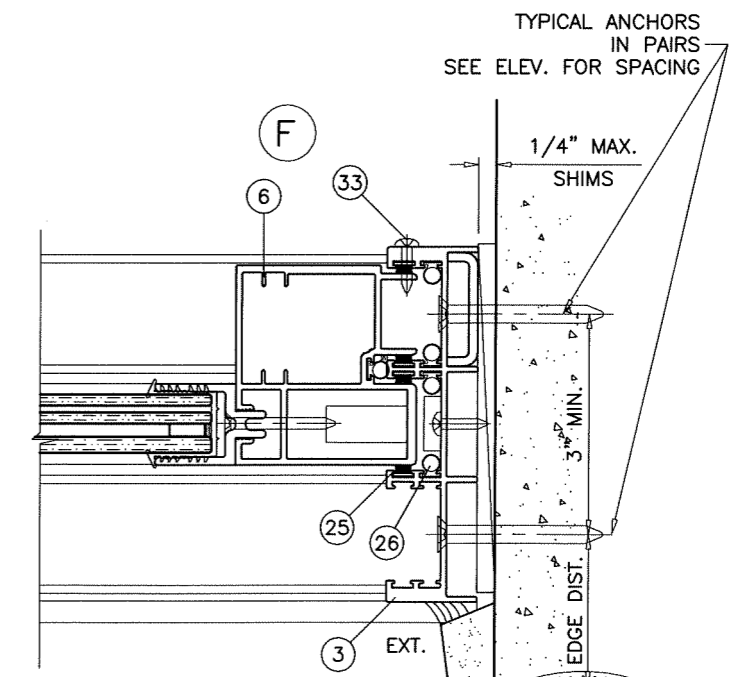
TYPICAL ANCHORS
IN PAIRS
SEE ELEV. FOR SPACING



1BY
WOOD BUCKS
SEE NOTE SHEET 1



(1) SHEAR CLIP REQD. AT EACH PAIR
CAN BE USED
AT EXT. OR INT. ANCHORS



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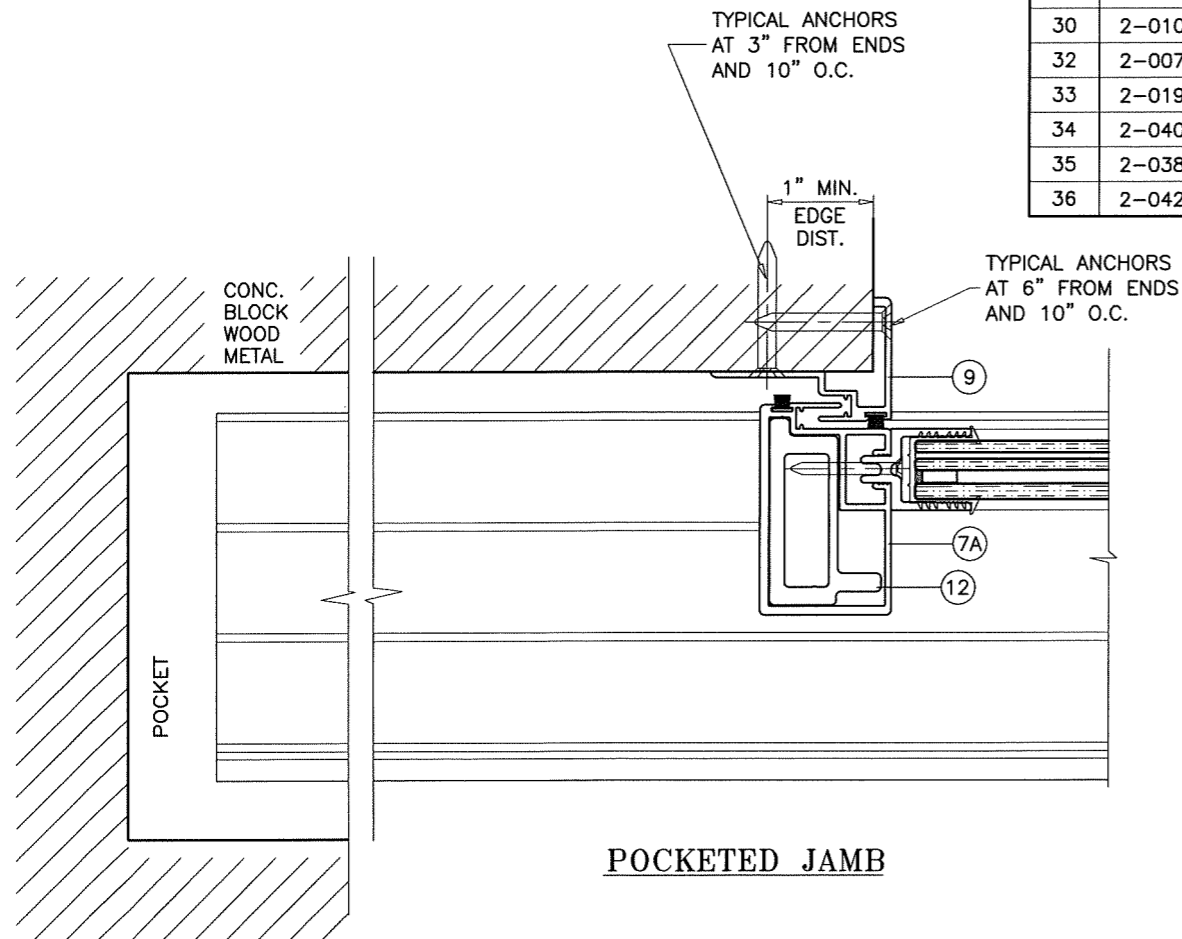
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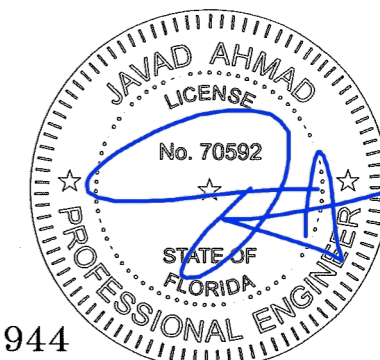
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drawing no.	W12-47
sheet	4 of 7

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	PDC-009	1	FRAME HEAD	6063-T6	-
2	PDC-012	1	FRAME SILL	6063-T6	-
3	PDC-010	2	FRAME JAMB	6063-T6	-
4	PDC-016	1/ PANEL	PANEL TOP RAIL	6063-T6	-
5	PDC-082	1/ PANEL	PANEL BOTTOM RAIL	6063-T6	-
6	PDC-069	1/ PANEL	JAMB/LOCK STILE	6063-T6	-
7	PDC-014	1/ PANEL	LP INTERLOCK STILE	6063-T6	-
7A	PDC-063	1/ PANEL	HP INTERLOCK STILE	6063-T6	-
8	PDC-002	AS REQD.	ASTRAGAL STILE	6063-T6	-
9	PDC-020	AS REQD.	POCKET INTERLOCK	6063-T6	-
10	PDC-022	AS REQD.	SCREEN ASTRAGAL	6063-T6	-
11	-	1/ JAMB	JAMB SHEAR CLIP, 3" LONG MIN. OR CONTINUOUS	6063-T6	-
12	PDC-049	1/ PANEL	INTERLOCK STILE REINFORCEMENT, LENGTH = PANEL HT. - 18"	6063-T6	-
13	PDC-048	4/ PANEL	GLASS ADAPTER	6063-T6	-
14	-	2/ PANEL	STILE REINFORCEMENT, LENGTH = PANEL HT. - 18"	STEEL	-
15	PDC-085	1	HI-RISE ADAPTER	6063-T6	-
16	2-275	AS REQD.	GLAZING GASKET	FLEXIBLE PVC	MELTPOINT
17	3-310-0	2/ MOV. PANEL	ADJUSTABLE ROLLER ASSEMBLY	-	IIBP
18	2-322-0	-	DEADLOCK #1847-02 SS, 2 POINT LOCK SYSTEM AT MIDDLE 2 POINT LOCK AT MIDDLE, 1 POINT LOCK AT JAMB	-	ADAMS RITE
19	2-351-0	-	LOCK ESCUTCHEON #4430	-	ADAMS RITE
20	3-001-0	-	LOCK KEEPER	-	IIBP
21	3-008-0	-	TRACK RAIN PAN	-	IIBP
22	3-009-0	-	H.P. WEATHER TAB	-	IIBP
23	2-405-0	AS REQD.	.270 WIDE POLY-BOND FINSEAL #PB-8425-2211-0	-	SCHLEGAL
24	2-402-0	AS REQD.	.270 WIDE POLY-BOND WOOLPILE #PB-7525-6011-6	-	SCHLEGAL
25	2-407-0	AS REQD.	.270 WIDE POLY-BOND FINSEAL #PB-7531-6011-2	-	SCHLEGAL
26	2-222-0	AS REQD.	BULB W'STRIPPING (EV-277)	-	ULTRAFAB
27	2-025-0	-	#10-24 X 1/4" PFF UC SMS	-	AT 2" FROM ENDS & 14" O.C.
30	2-010-0	-	#12 X 1-1/4" PPH SS SMS	-	1 PER DOOR ROLLER
32	2-007-0	-	#14 X 1-1/2" PH SMS	-	2 PER DOOR PANEL CORNERS
33	2-019-0	-	#8 X 1/2" PH SMS	-	AT 3" FROM ENDS & 18" O.C.
34	2-040-0	-	#10 X 1-1/4" SMS	-	AT 3" FROM ENDS & 18" O.C.
35	2-038-0	1	#10-24 X 1-1/2" MS	-	AT 3" FROM ENDS & 1 AT CENTER OF PANEL
36	2-042-0	-	#8 X 3/4" PH SMS	-	AT 6" FROM ENDS & 18" O.C.



POCKETED JAMB



FL #15944

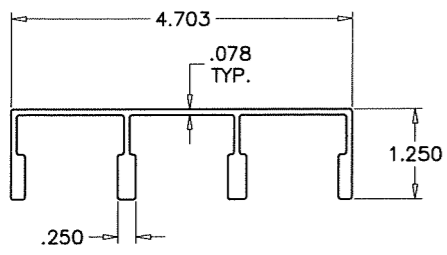
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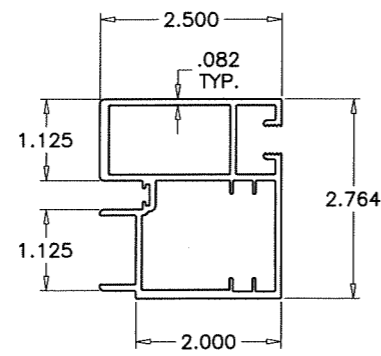
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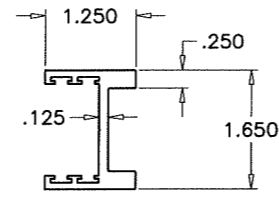
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 sheet 5 of 7



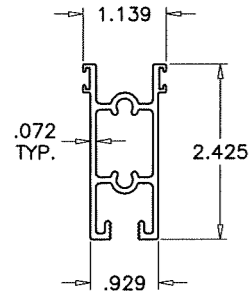
① FRAME HEAD



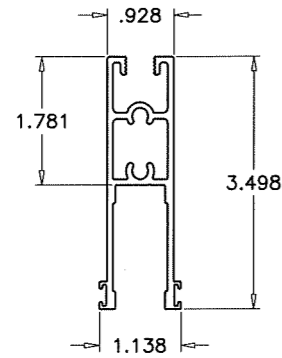
⑥ JAMB/LOCK STILE



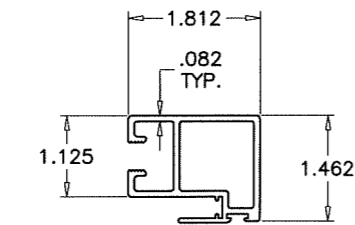
⑧ ASTRAGAL STILE



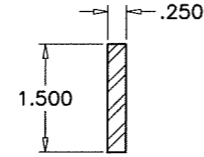
④ PANEL TOP RAIL



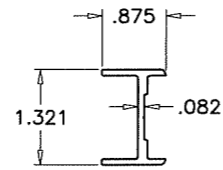
⑤ PANEL BOTTOM RAIL



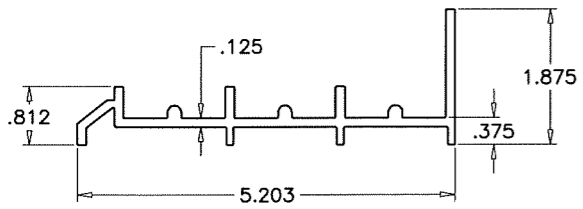
⑦ LP INTERLOCK STILE



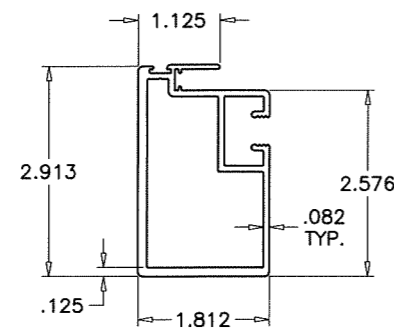
⑭ STILE REINFORCEMENT



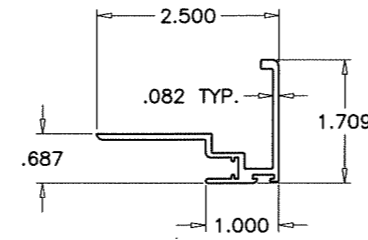
⑩ SCREEN ASTRAGAL



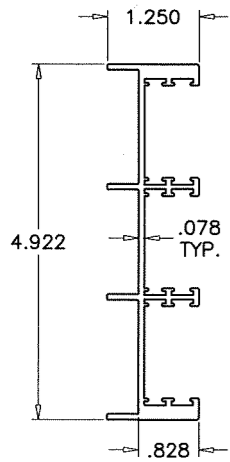
② FRAME SILL



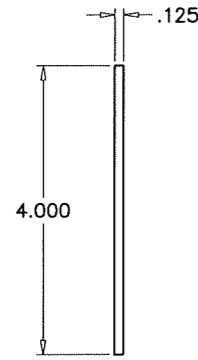
⑦A HP INTERLOCK STILE



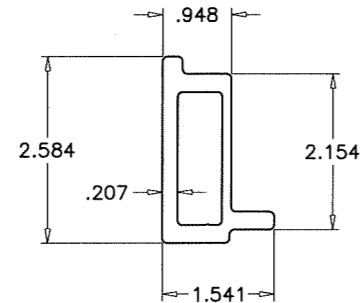
⑨ POCKET INTERLOCK



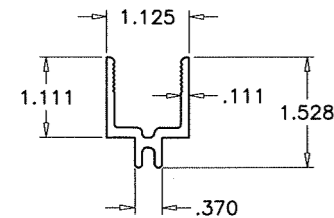
③ FRAME JAMB



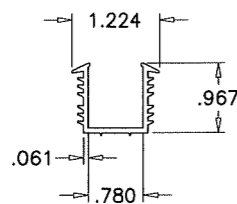
⑮ HI-RISE ADAPTER



⑫ INTERLOCK STILE STIFFENER



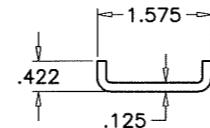
⑬ GLASS ADAPTER



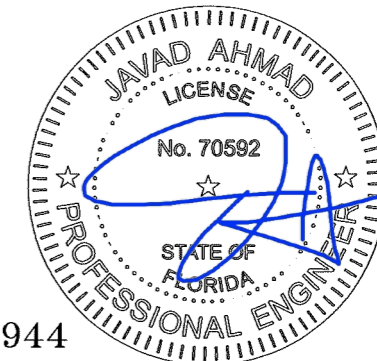
⑯ GLAZING GASKET

HARDNESS = 75±5 SHORE A
 TENSILE STRENGTH (BREAK) = 1900 PSI
 ELONGATION AT BREAK = 380%
 SPECIFIC GRAVITY = 1.39

GLAZING GASKET
 PVC MATERIAL BY 'POLYONE'
 EXTRUDED BY 'MELTPONT'



⑪ SHEAR CLIP



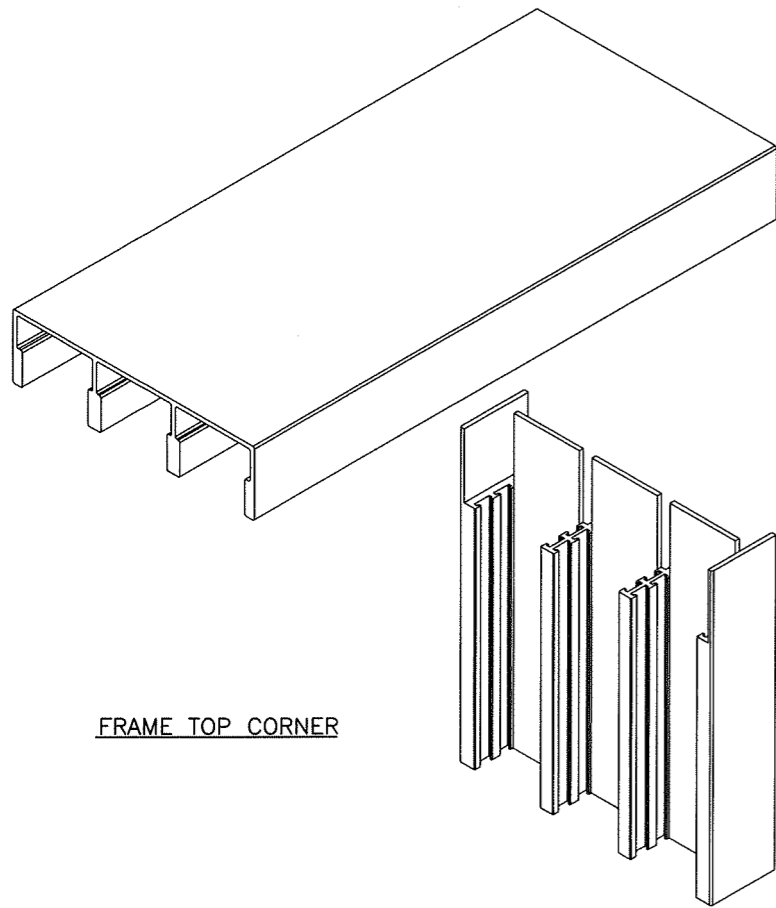
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 INTERNATIONAL IMPACT BUILDING PRODUCTS, LLC
 d/b/a PLAZA DOOR
 5900 AUSTRALIAN AVE. SUITE #3
 WEST PALM BEACH, FL 33407
 TEL. (561) 578-5450 FAX. (561) 578-5460

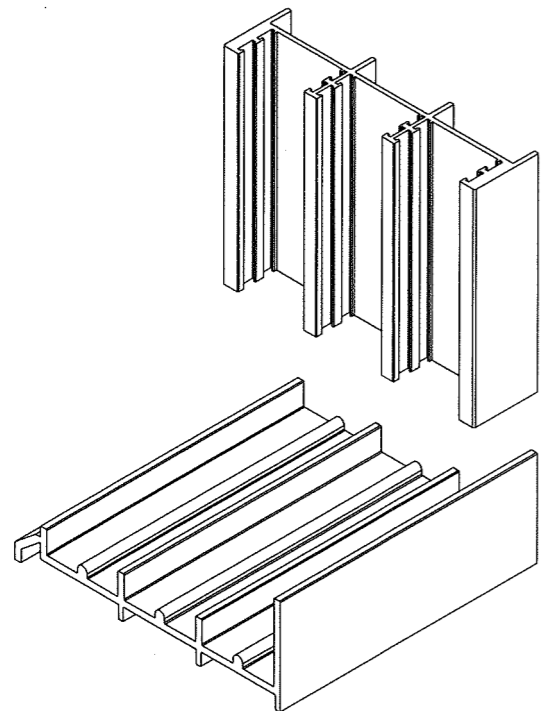
no	date	by	description

date: 08-10-12
 scale: 3/8" = 1"
 dr. by: TARIQ
 chk. by:
 drawing no.
W12-47
 sheet 6 of 7

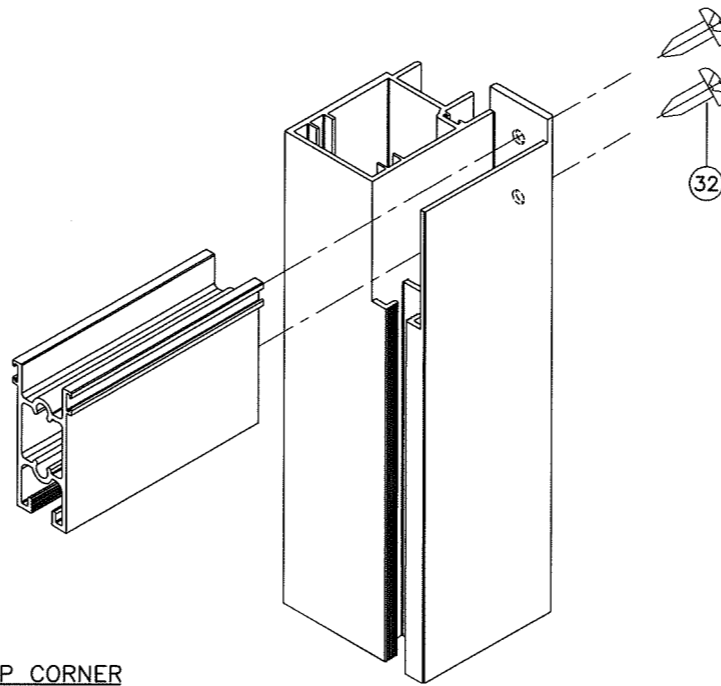


FRAME TOP CORNER

JAMB NOTCHED TO RECIEVE HEADER AND SILL RIBS
APPLY BEAD OF SONNEBORN NP1 SEALANT
AT TOP AND BOTTOM JOINTS

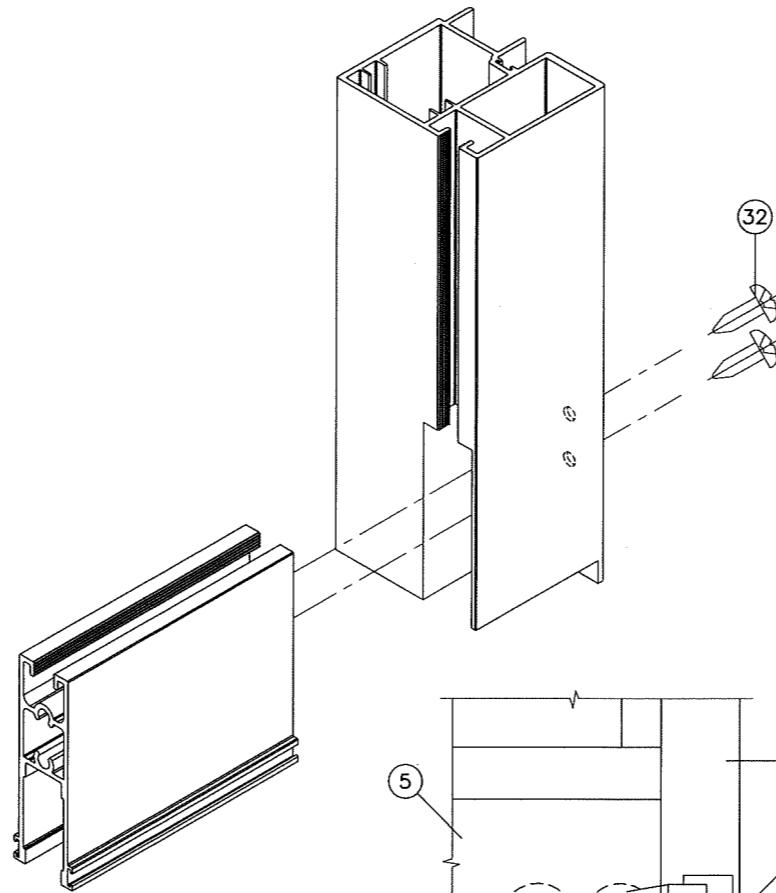


FRAME BOTTOM CORNER

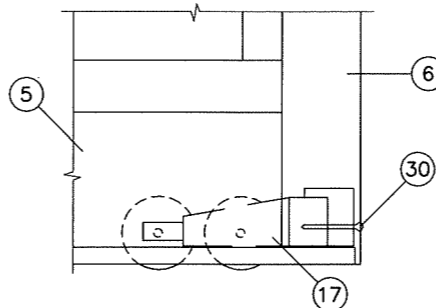


PANEL TOP CORNER

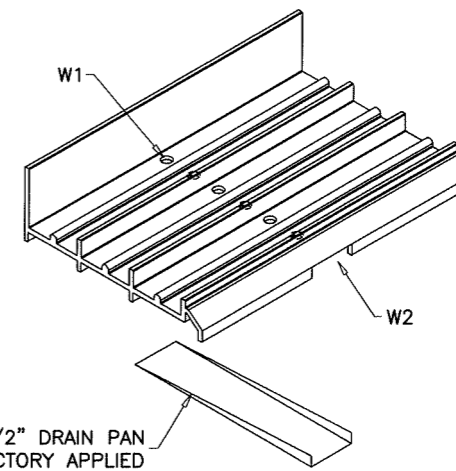
APPLY BEAD OF SONNEBORN NP1 SEALANT
AT TOP AND BOTTOM JOINTS



PANEL BOTTOM CORNER



ROLLER FASTENER DETAIL

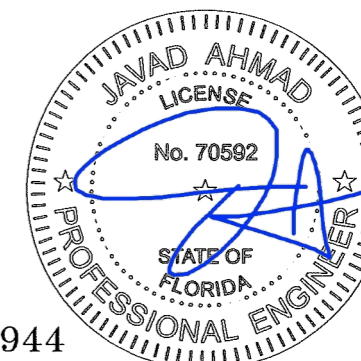


1/4" X 1-1/2" DRAIN PAN
FACTORY APPLIED

WEEPHOLES:

W1 = CLUSTER OF SIX 3/8" WEEP HOLES AT 17" FROM
EACH END AND 21" O.C.

W2 = 1/4" X 1-1/2" OPENING FOR DRAIN PAN AT 17" FROM
EACH END AND 21" O.C.



FL #15944

afc

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

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