

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

SERIES ENV-350
ALUMINUM OUTSWING ENTRANCE DOOR

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).

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.

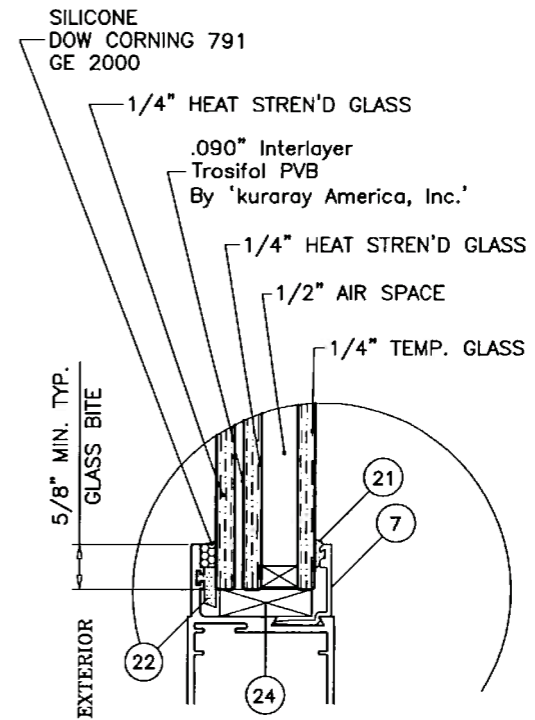
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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.

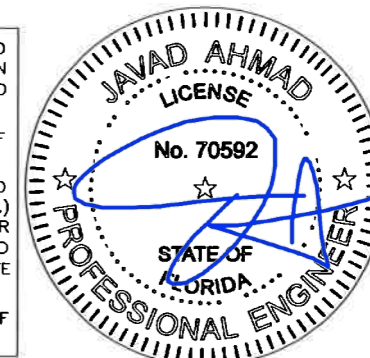
MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.

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



GLAZING DETAIL

- 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.



FL #20701

Sealed: 08/08/2017

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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\W17-35ENV

SERIES ENV-350 OUTSWING ENTRANCE DOOR (L.M.I.)
ENVIRALUM INDUSTRIES INC.
5110 N.W. 72 AVENUE BLDG. C
MIAMI, FL. 33166
TEL. (305) 752-4411 FAX. (305) 406-3877

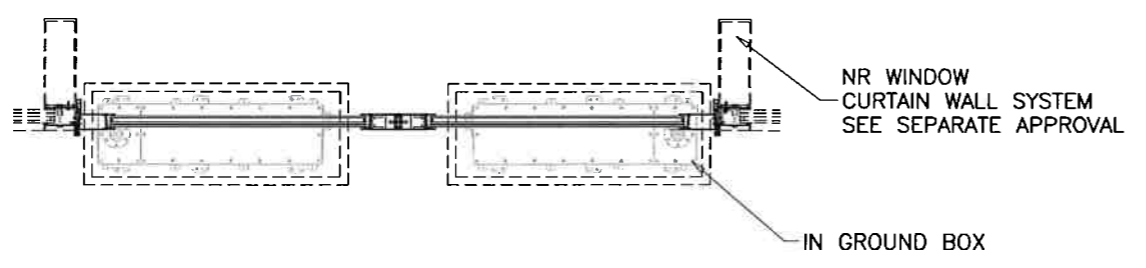
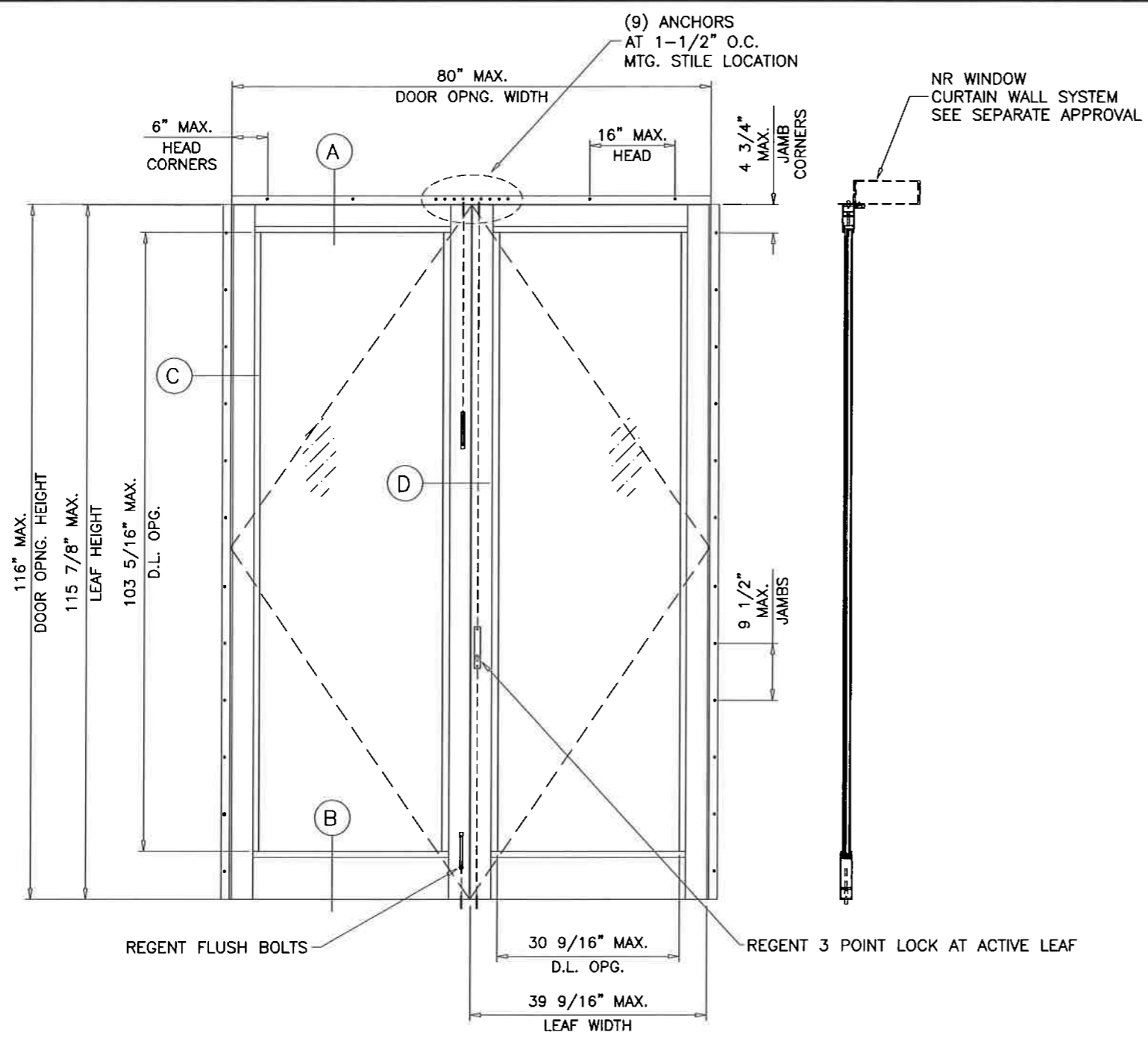
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	A	08.08.17		UPDATED TO 2017 FBC

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sheet				1 of 8			

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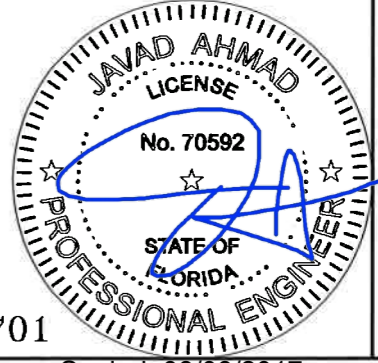
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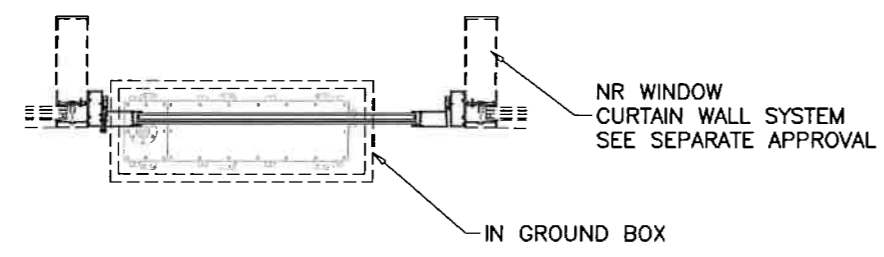
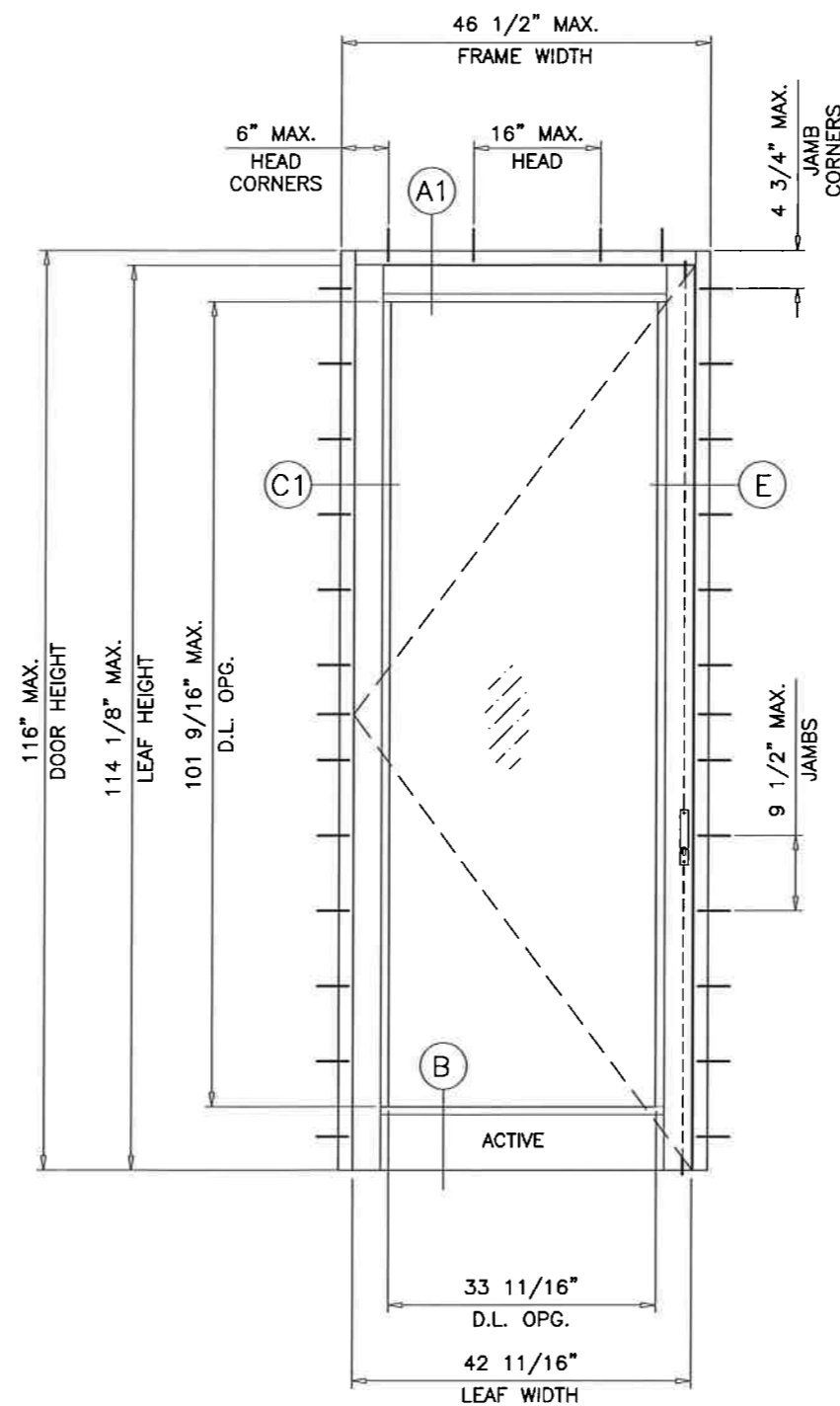
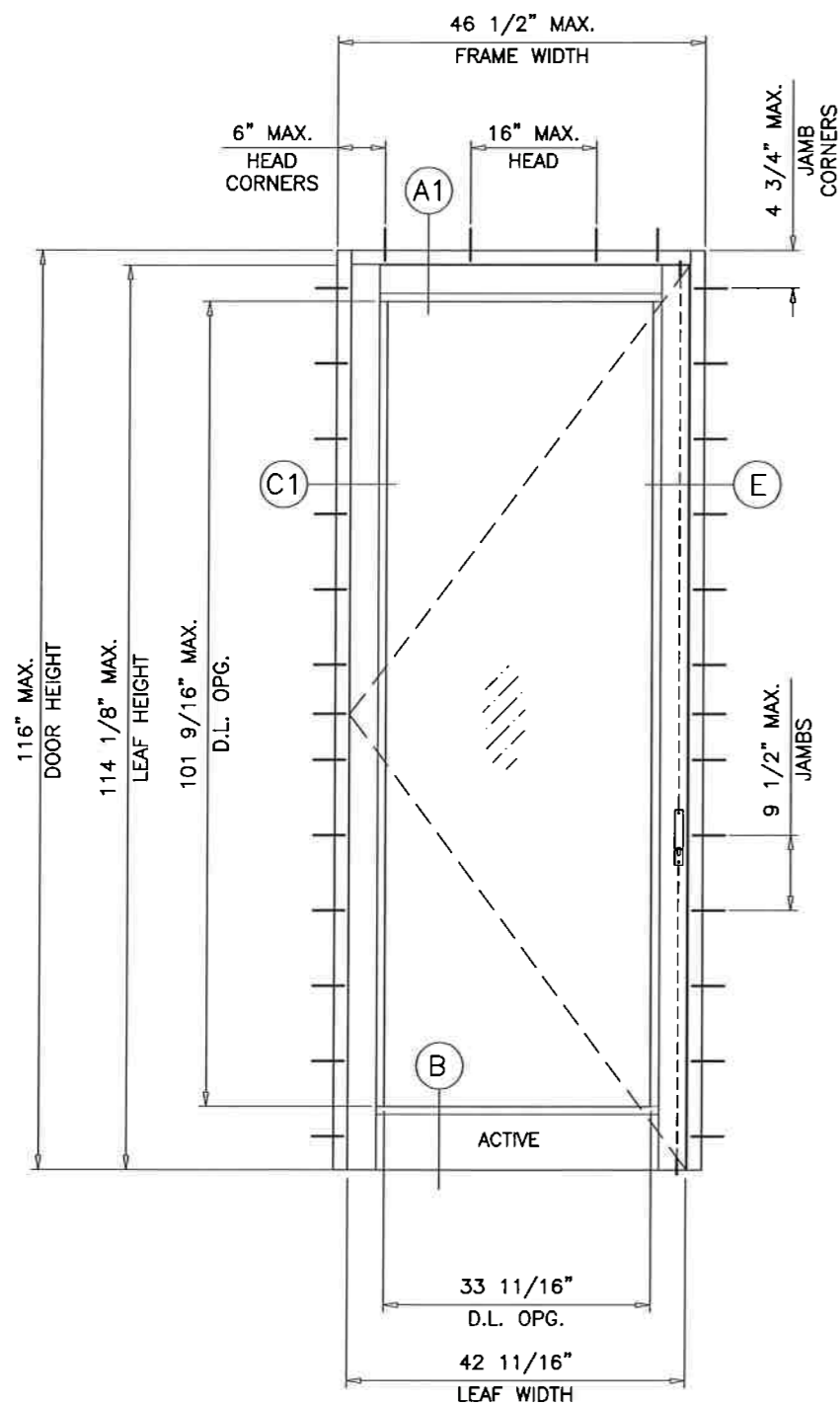
MAXIMUM DESIGN LOAD RATING = + 93.0 PSF
 (FOR SIZES SHOWN ABOVE OR SMALLER) - 93.0 PSF

NOTE:
 EGRESS REQUIREMENTS TO BE REVIEWED
 BY BUILDING OFFICIAL.

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



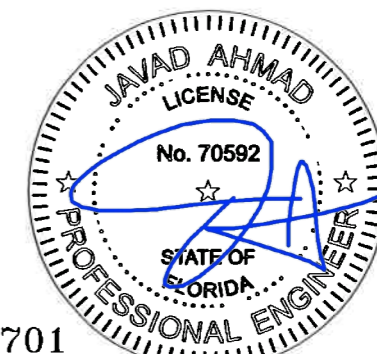
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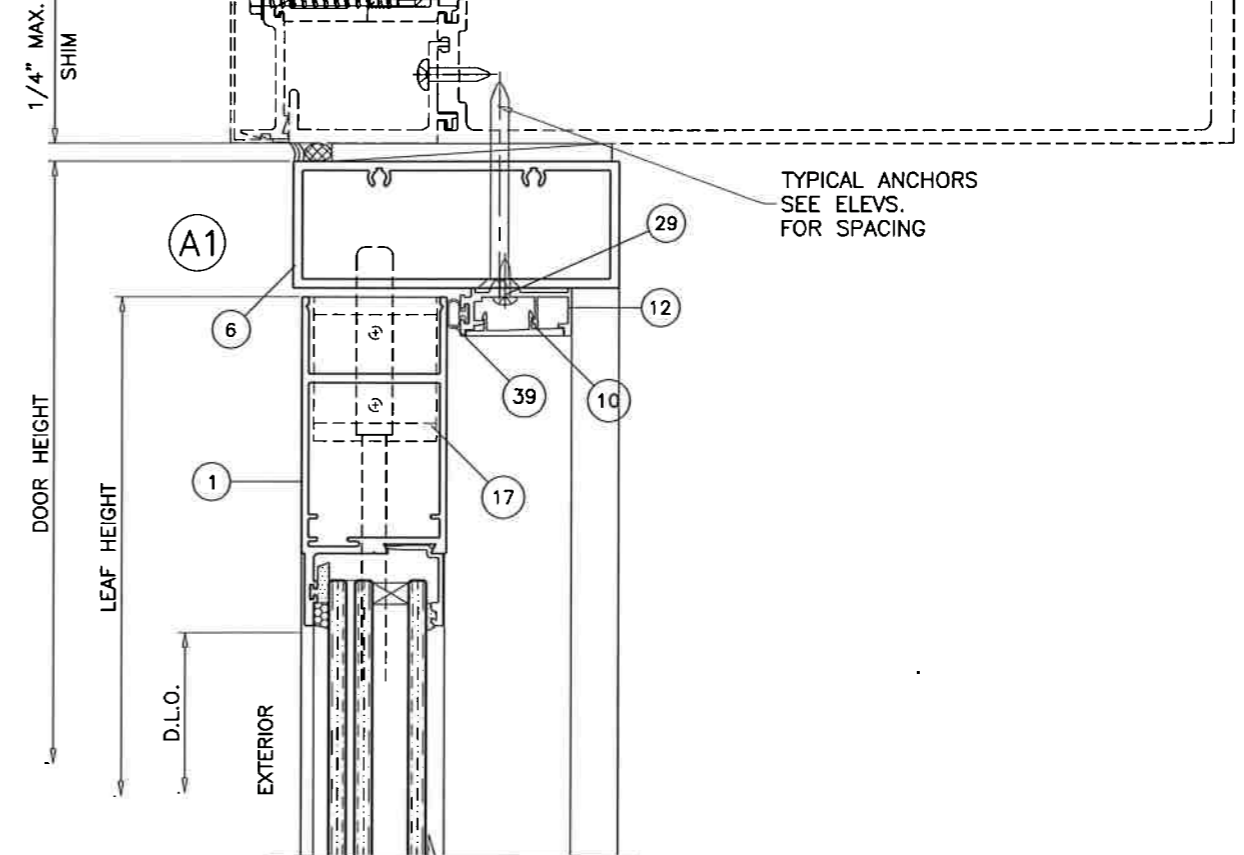
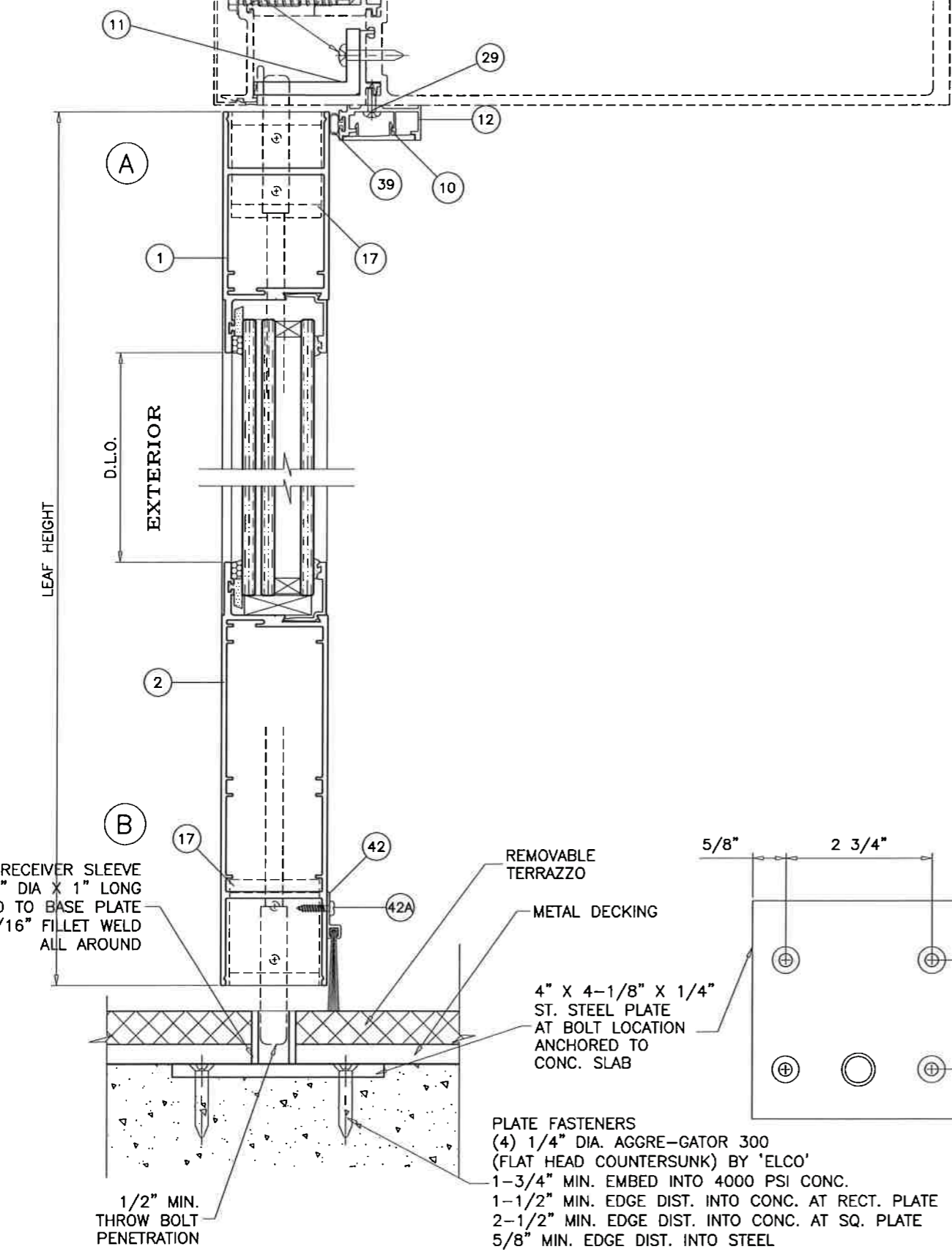
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sheet 3 of 8

TYPICAL ANCHORS
SEE ELEV.
FOR SPACING

F.B.C. APPROVED
LARGE MISSILE IMPACT RESISTANT
CURTAIN WALL SYSTEM BY OTHERS
SEE SEPARATE APPROVAL FOR
HORIZONTAL MULLION CAPACITY

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LARGE MISSILE IMPACT RESISTANT
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HORIZONTAL MULLION CAPACITY



CURTAIN WALL SYSTEM AND METAL STRUCTURE NOT BY ENVIRALUM
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER
THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
INTO METAL STRUCTURES (HEAD/JAMBS)
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 METAL STRUCTURE = 3/4" MIN.

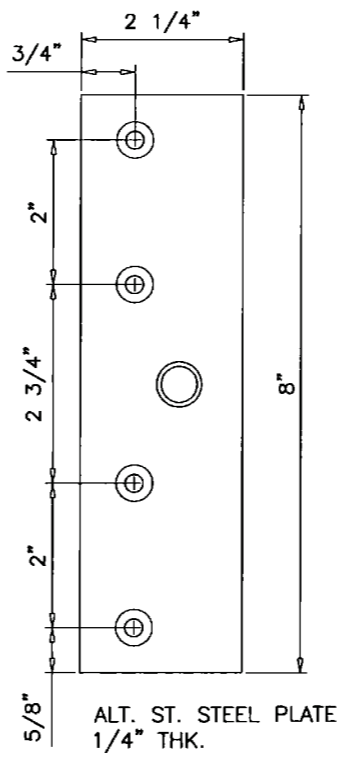
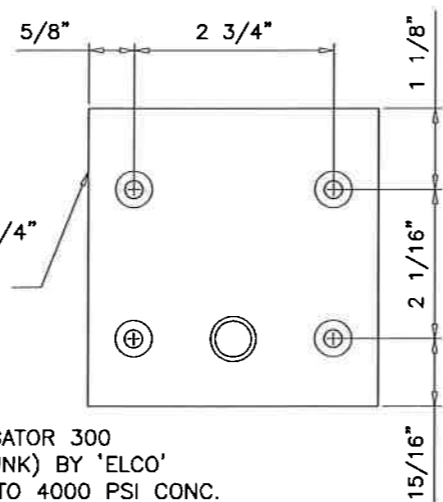
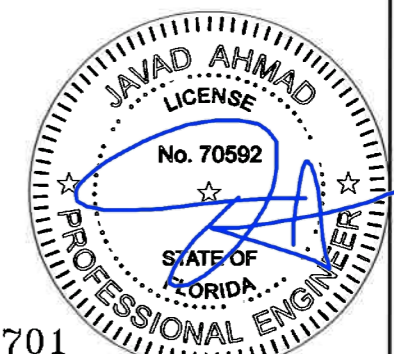


PLATE FASTENERS
(4) 1/4" DIA. AGGRE-GATOR 300
(FLAT HEAD COUNTERSUNK) BY 'ELCO'
1-3/4" MIN. EMBED INTO 4000 PSI CONC.
1-1/2" MIN. EDGE DIST. INTO CONC. AT RECT. PLATE
2-1/2" MIN. EDGE DIST. INTO CONC. AT SQ. PLATE
5/8" MIN. EDGE DIST. INTO STEEL



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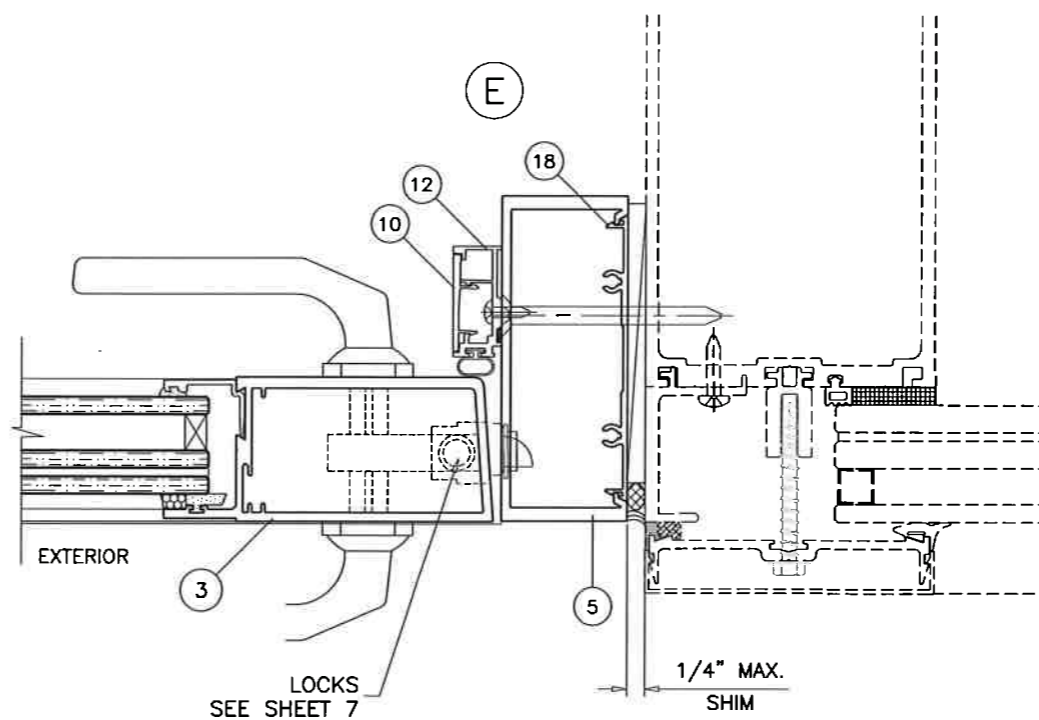
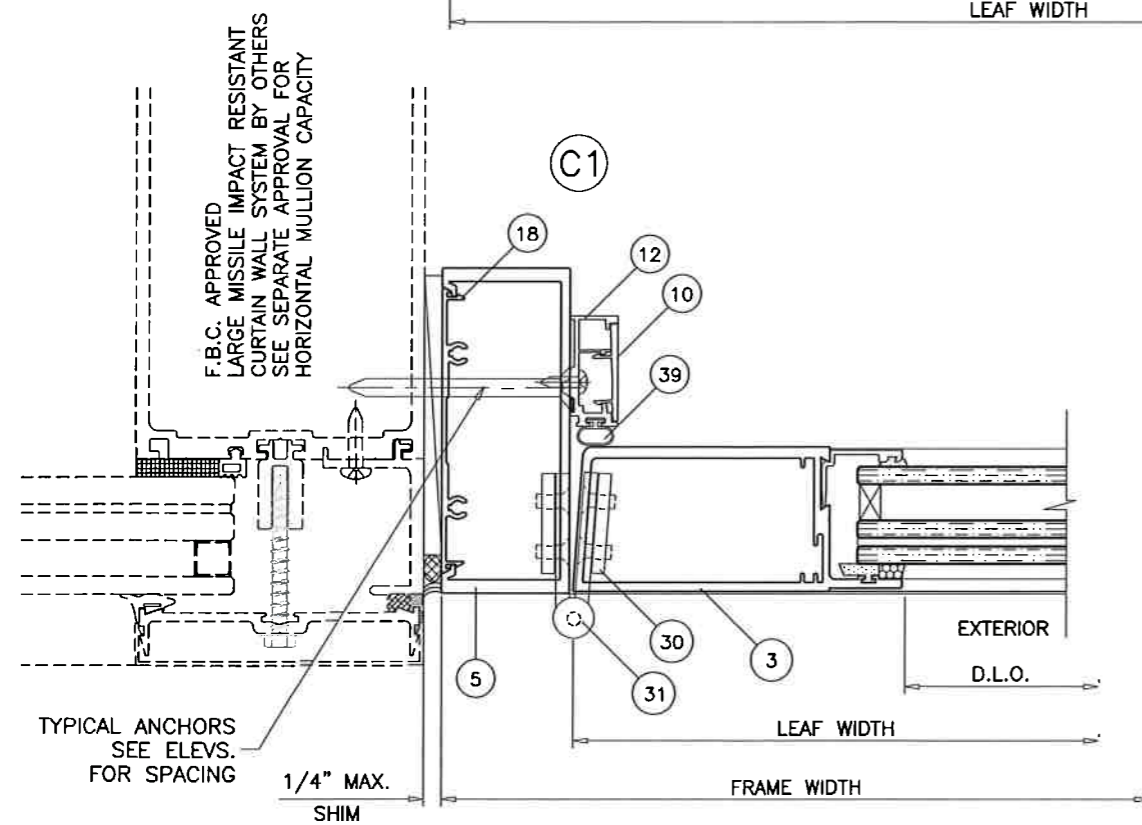
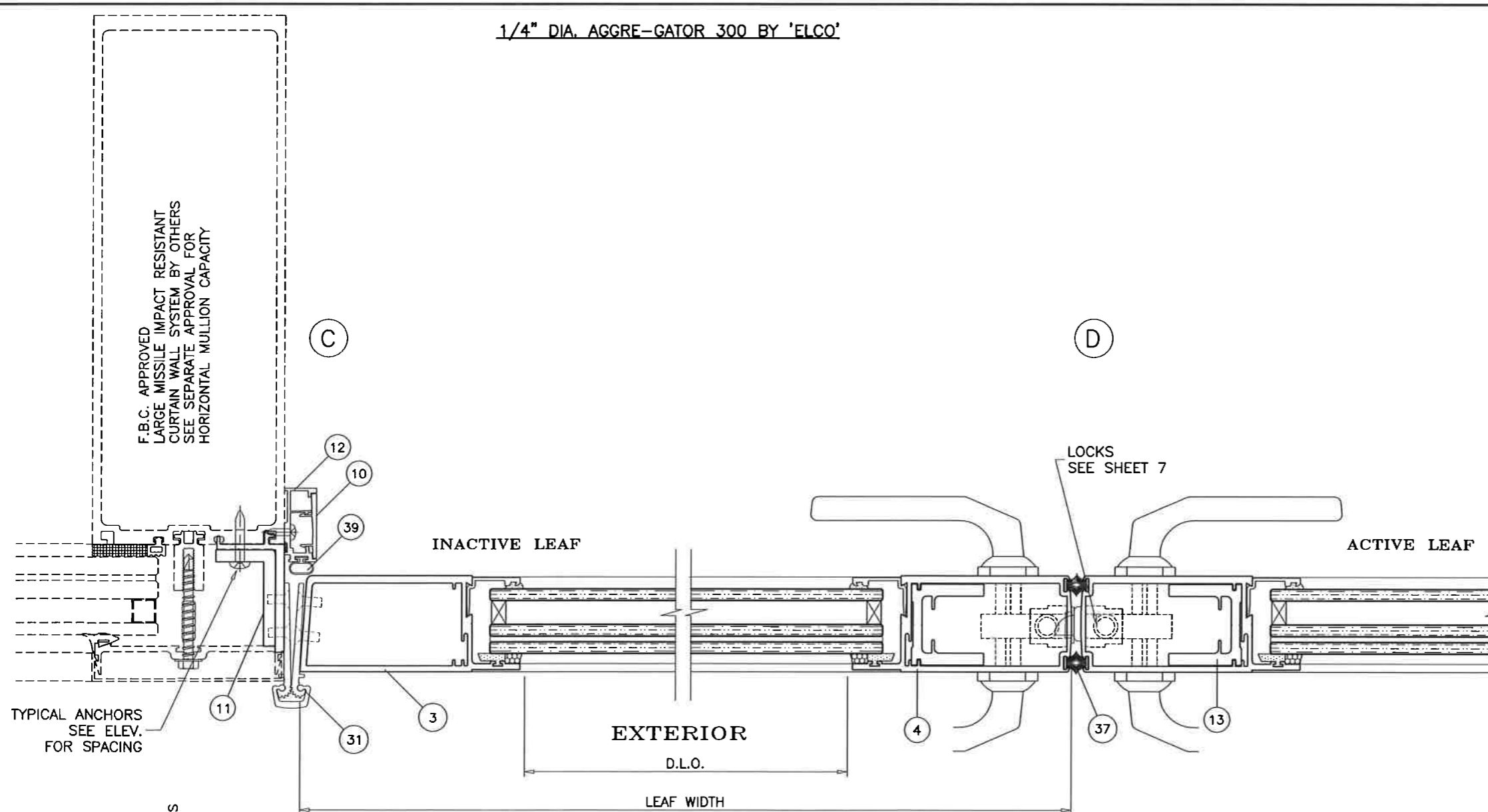
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1/4" DIA. AGGRE-GATOR 300 BY 'ELCO'



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CURTAIN WALL SYSTEM BY OTHERS
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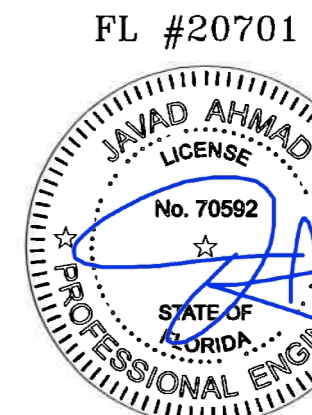
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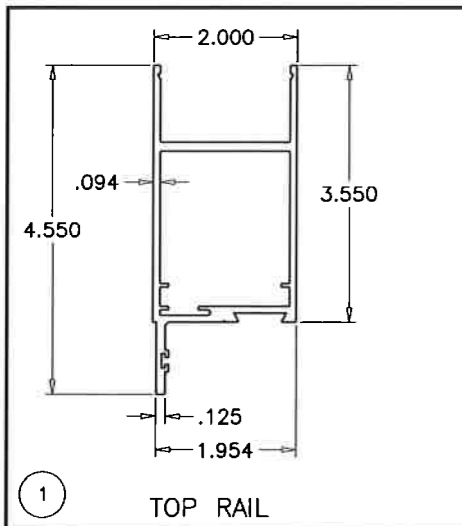
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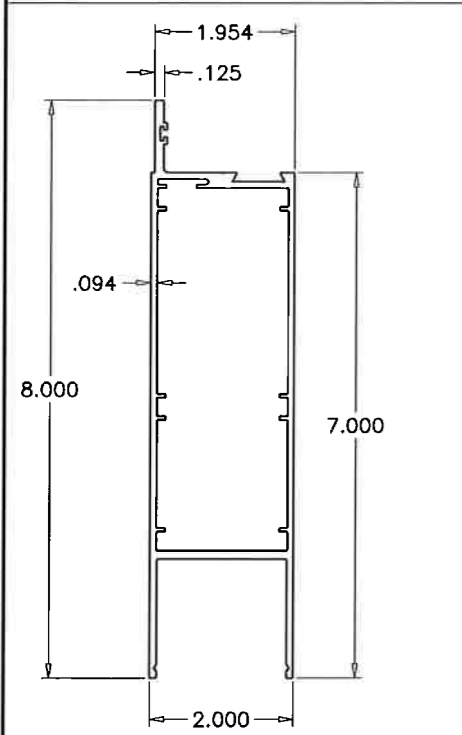
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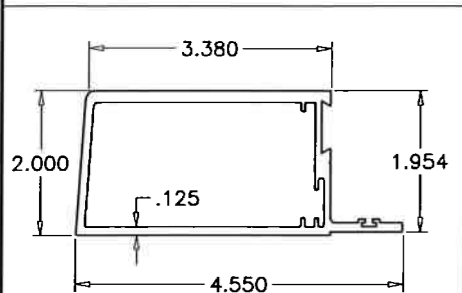
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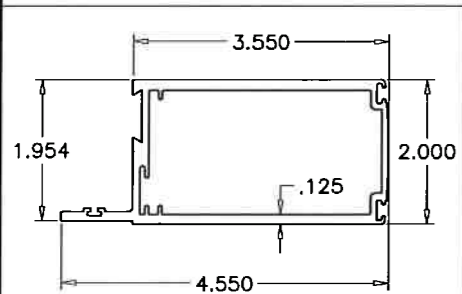
1 TOP RAIL



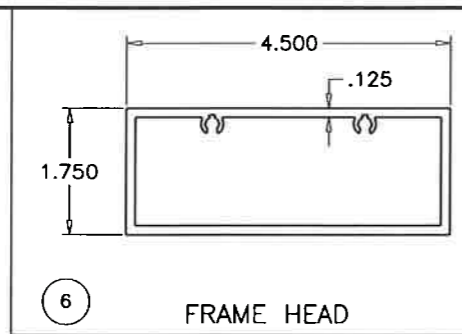
2 BOTTOM RAIL



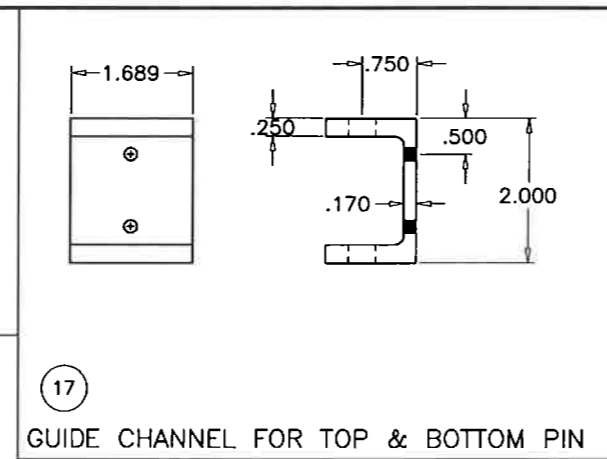
3 HINGE STILE



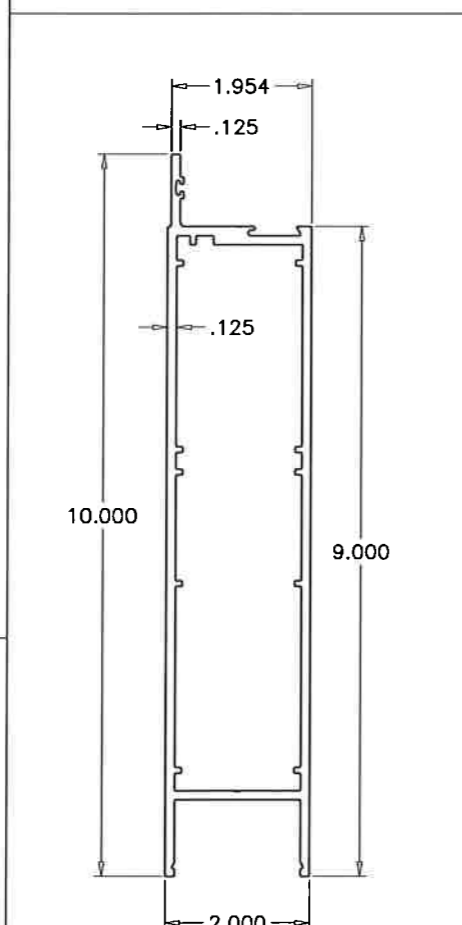
4 LOCK STILE



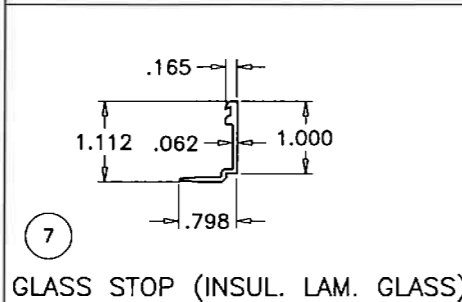
6 FRAME HEAD



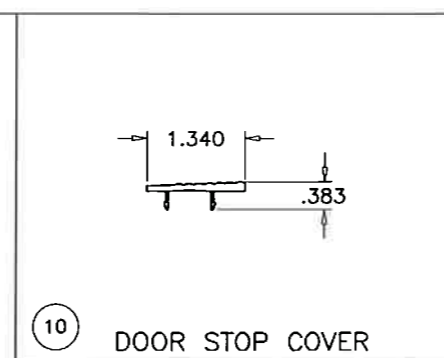
17 GUIDE CHANNEL FOR TOP & BOTTOM PIN



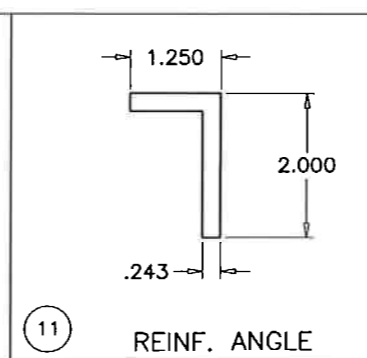
2.1 ALT. BOTTOM RAIL



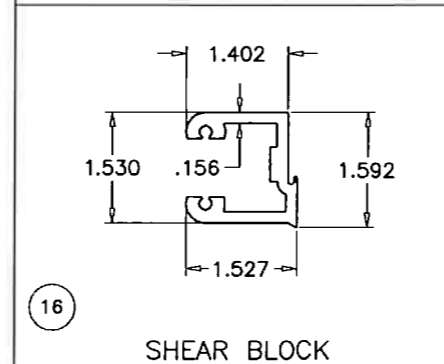
7 GLASS STOP (INSUL. LAM. GLASS)



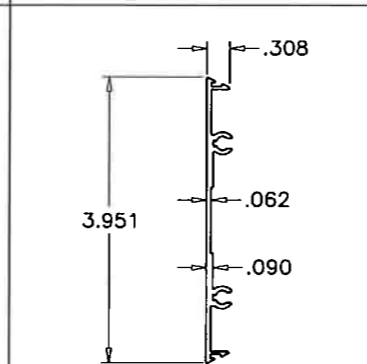
10 DOOR STOP COVER



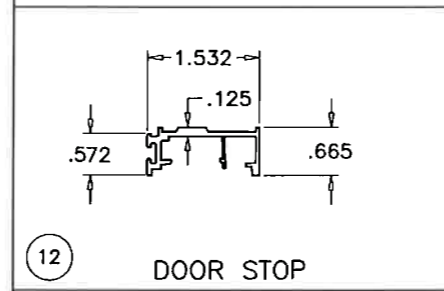
11 REINF. ANGLE



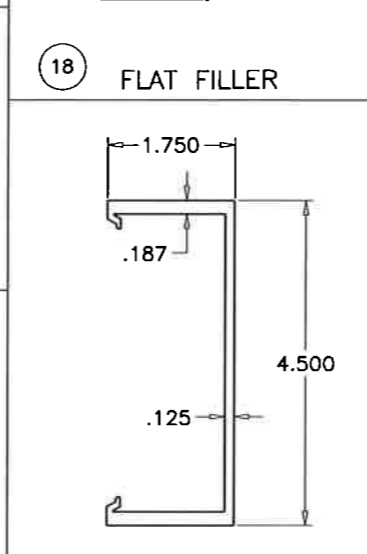
16 SHEAR BLOCK



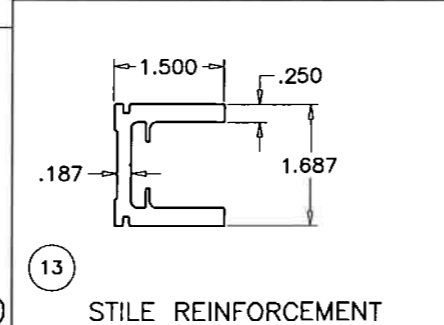
18 FLAT FILLER



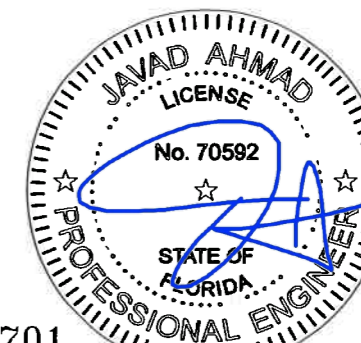
12 DOOR STOP



5 FRAME JAMB



13 STILE REINFORCEMENT



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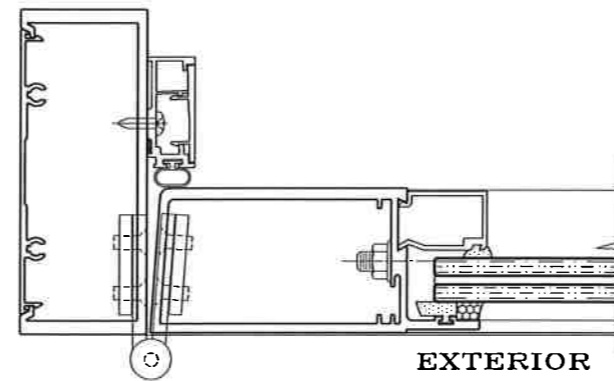
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ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ENV-351	1/ LEAF	TOP RAIL	6063-T6	ENVIRALUM
2	ENV-352	1/ LEAF	BOTTOM RAIL (8" HIGH)	6063-T6	ENVIRALUM
3	ENV-353	1/ LEAF	HINGE STILE	6063-T6	ENVIRALUM
4	ENV-354	1/ LEAF	LOCK STILE	6063-T6	ENVIRALUM
5	ENV-355	2/ DOOR	FRAME JAMB	6063-T6	ENVIRALUM
6	ENV-356	1/ DOOR	FRAME HEAD	6063-T6	ENVIRALUM
7	ENV-357	4/ LITE	GLASS STOP (INSULATED GLASS)	6063-T6	ENVIRALUM
10	ENV-3510	AS REQD.	DOOR STOP COVER	6063-T6	ENVIRALUM
11	-	AS REQD.	REINF. ANGLE	6063-T6	-
12	ENV-3512	3/ DOOR	DOOR STOP	6063-T6	ENVIRALUM
13	ENV-3513	AS REQD.	STILE REINFORCEMENT	6063-T6	ENVIRALUM
16	ENV-3516	1/ LEAF CORNER	SHEAR BLOCK	6063-T6	ENVIRALUM
17	ENV-GC01	2/ LEAF	GUIDE CHANNEL FOR TOP & BOTTOM PIN	6063-T6	ENVIRALUM
18	ENV-454	AS REQD.	FLAT SNAP, 3" LONG	6063-T6	ENVIRALUM
21	ENV-G04	AS REQD.	INTERIOR GASKET	EPDM	GLAZING RUBBER PRODUCTS
22	ENV-G06	AS REQD.	SPACER GASKET	EPDM	GLAZING RUBBER PRODUCTS
24	ENV-SB02	1/ QUARTER POINT	3/8" X 1-1/4" X 2" SETTING BLOCKS, DUROMETER 80±5	EPDM	GLAZING RUBBER PRODUCTS
25	DOW 791	AS REQD.	GLAZING COMPOUND	SILICONE	DOW CORNING
26	GE SCS2000	AS REQD.	GLAZING COMPOUND	SILICONE	GE MOMENTIVE
27	#12 X 1-1/2	4/ CORNER	FRAME ASSEMBLY SCREWS	ST. STEEL	HWH SMS, AT 16" O.C.
29	#8 X 5/8"	AS REQD.	DOOR STOP ASSEMBLY SCREWS, 3" FROM ENDS & 20" O.C.	ST. STEEL	HWH SMS
31	-	AS REQD.	HINGE	-	-
33	1/4-20 X 1"	10/ LEAF	CORNER BLOCK ASSEMBLY	ST. STEEL	HEX HEAD BOLT W/ WASHER
37	ENV-WP1	AS REQD.	WOOL PILE W'STRIPPING	TRILOBAL YARN	ULTRAFAB
39	ENV-BG1	AS REQD.	BULB W'STRIPPING, (.475 BULB W/ FLAP X .270 BK.)	EPDM	ULTRAFAB
42	18137CNB	AS REQD.	DOOR SWEEP (BOTTOM)	ALUMINUM	PEMKO
42A	#6 X 5/8"	AS REQD.	DOOR SWEEP FASTENERS, AT 3" FROM ENDS & 6" O.C.	ST. STEEL	PH SELF DRILLING SCREWS

HINGES AT SINGLE DOORS:

BUTT HINGE

4" X 4-1/2" X .130" THK. ST. STEEL KNUCKLE HINGE SERIES 4001 BY 'REGENT HARDWARE' OR SERIES TA2314/TA2714 BY 'MCKINNEY ASSA ABLOY' 3 PER LEAF
 TOP/BOTTOM HINGES AT 7" FROM EACH END
 CENTER HINGE AT MIDSPAN
 FASTENED TO
 FRAME JAMB WITH (4) 12-24 X 1/2" FH MS
 DOOR STILE WITH (4) 12-24 X 1/2" FH MS



SEALANTS:

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER OF GLAZING BEAD TO FRAME SEALED WITH SILICONE SEALANT.

LOCKS:

ACTIVE LEAF:

THREE POINT LOCK SYSTEM SERIES MS1850 BY 'ADAMS RITE'
 KEY OPERATED FROM EXTERIOR AND THUMB TURN ON INTERIOR WITH CONCEALED FLUSH BOLTS AT TOP & BOTTOM OF LOCK STILE LOCATED AT 34" FROM BOTTOM OF LEAF

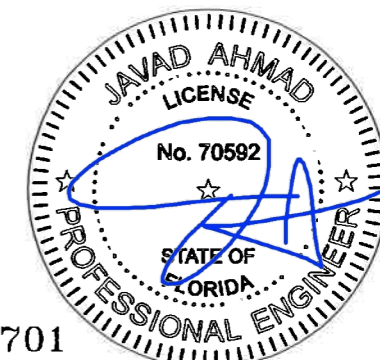
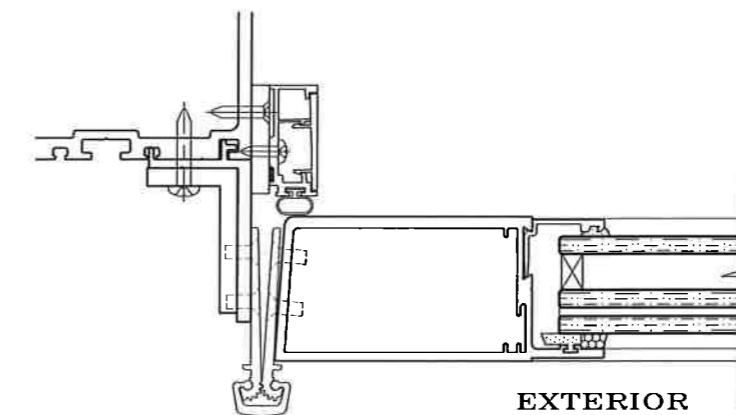
INACTIVE LEAF:

MANUALLY OPERATED TWO POINT LOCK SYSTEM BY 'ADAMS RITE' WITH CONCEALED FLUSH BOLTS AT TOP & BOTTOM OF LOCK STILE FASTENED WITH (2) #8-32 X 1/4" PH MACHINE SCREWS

HINGES AT DOUBLE DOORS:

SURFACE MOUNT ROTON HINGE

CONTINUOUS ALUMINUM ROTON HINGE 'SELECT SL 27' FASTENED TO FRAME JAMB AND TO JAMB STILE WITH (22) #12-24 X 1/2" FH MS SCREWS



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 COMP-ANL W17-35ENV

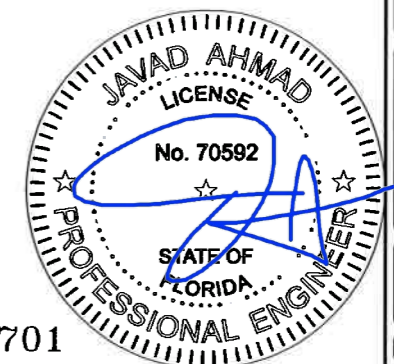
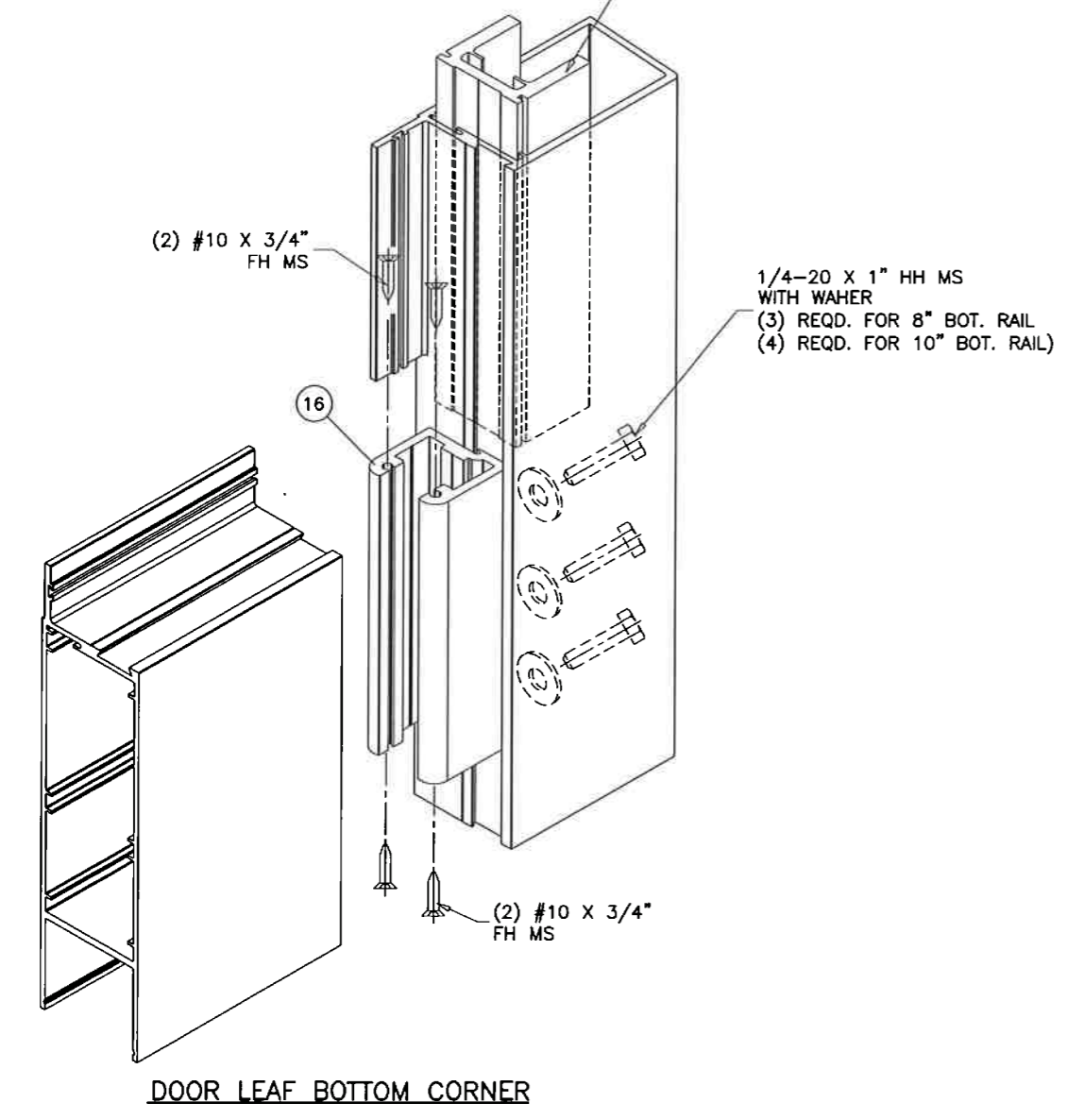
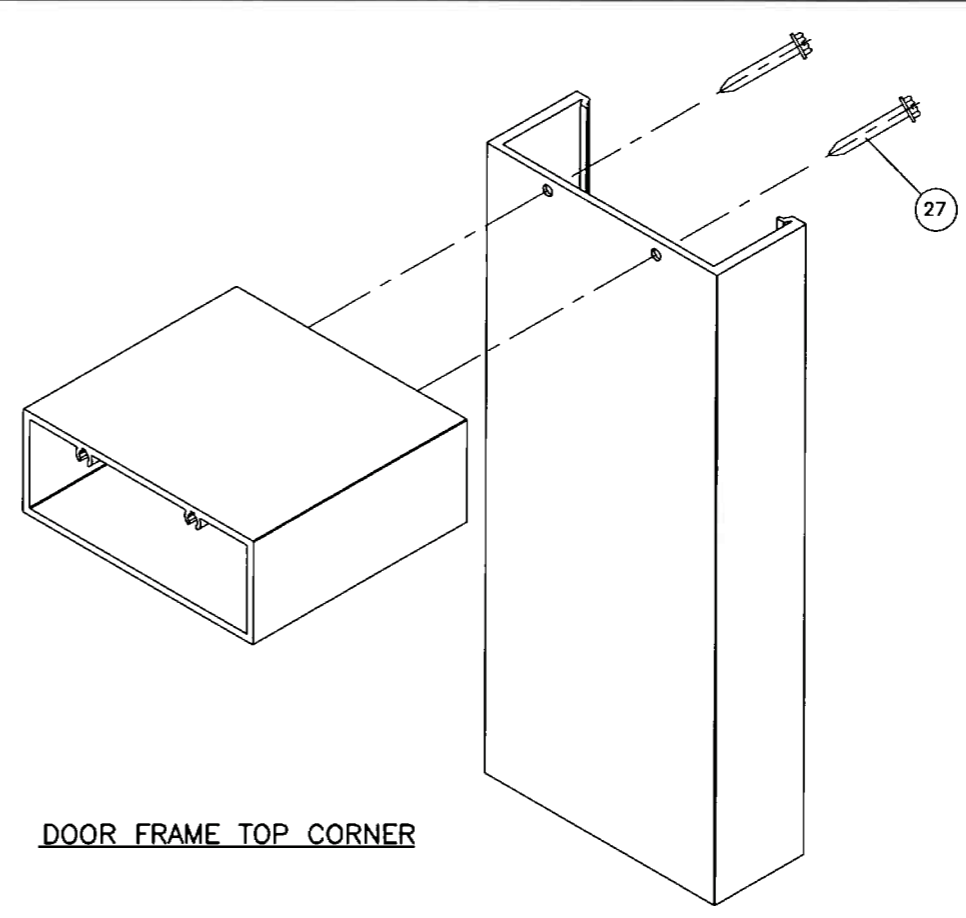
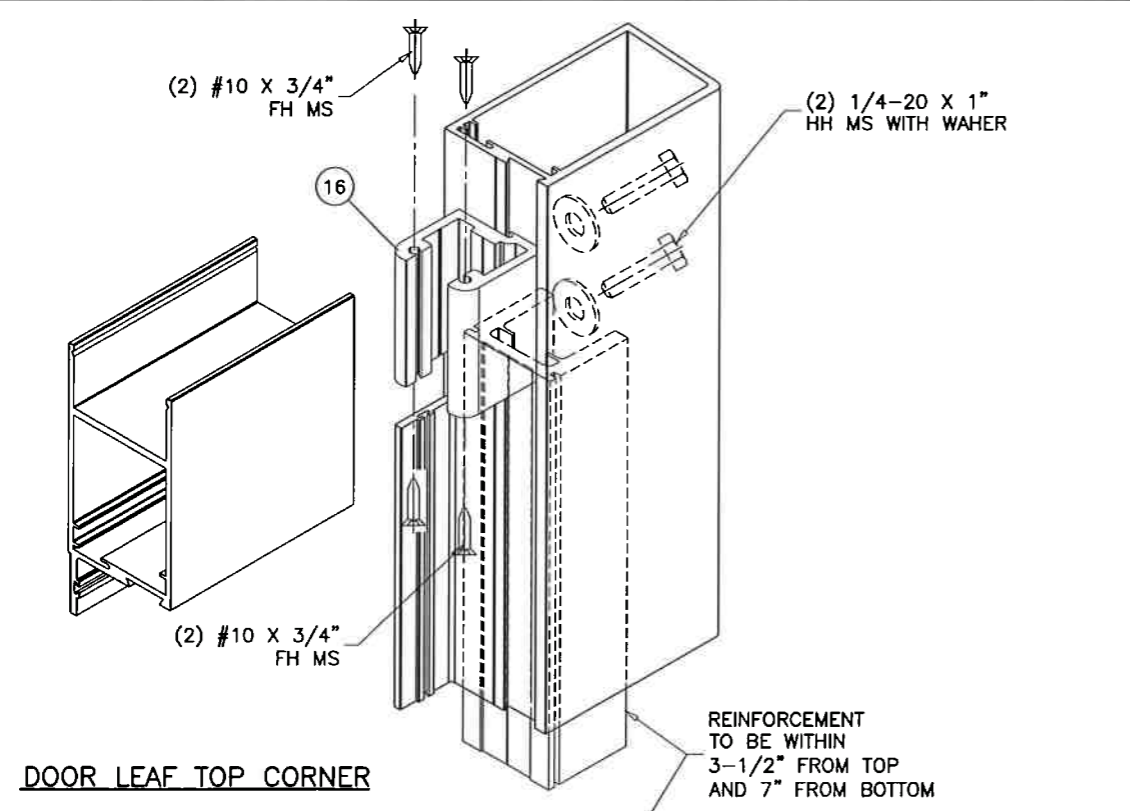
SERIES ENV-350 OUTSWING ENTRANCE DOOR (L.M.I.)

ENVIRALUM INDUSTRIES INC.
 5110 N.W. 72 AVENUE BLDG. C
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revisions:	no	date	by	description

date: 04-05-17
 scale: 3/8" = 1"
 dr. by: TARIQ
 chk. by:

drawing no.
W17-35
 sheet 8 of 8



FL #20701

Sealed: 08/08/2017