

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

SERIES ENV-350
ALUMINUM INSWING 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.

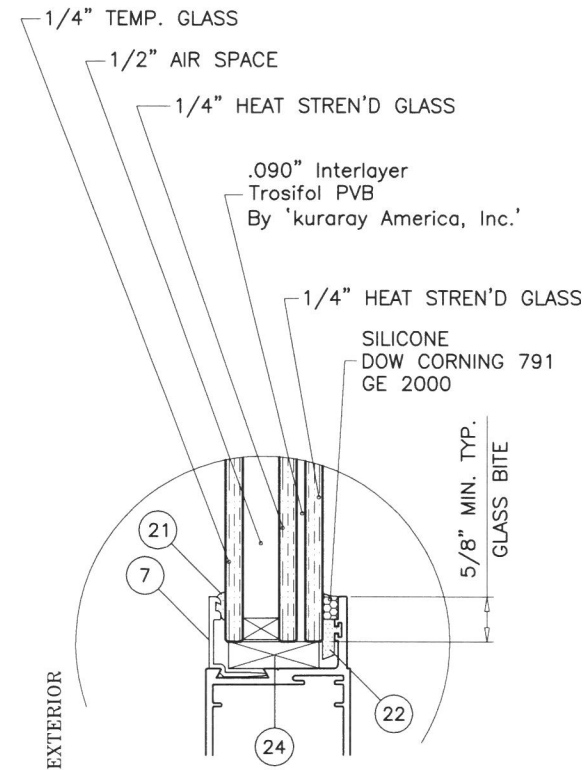
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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.

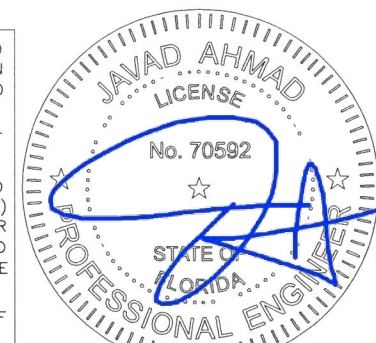
DOORS NOT APPROVED FOR INSTALLATION WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.



GLAZING DETAIL

1/2" AIR SPACE CONSISTING OF:
SPACER:
ALUMINUM BOX SPACER AROUND THE PERIMETER OF THE GLASS.
PERIMETER SEALANT:
SILICONE
DOWSIL 791
GE 2000

- 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



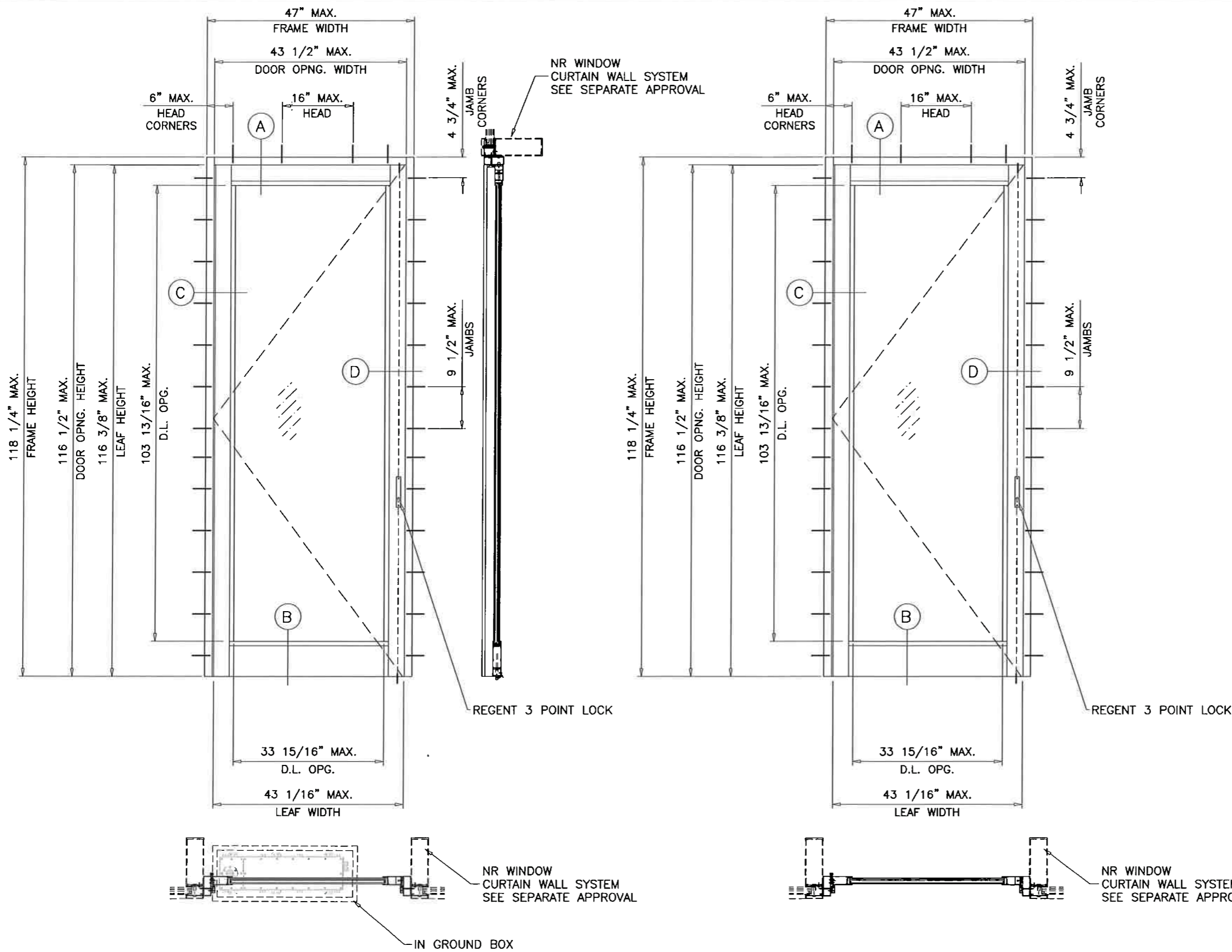
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

SERIES ENV-350 INSWING 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

| revisions: | no | date | by | description |
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| | A | 08-08-17 | | UPDATED TO 2017 FBC |

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| drawing no. | W17-36 | | | | | | |
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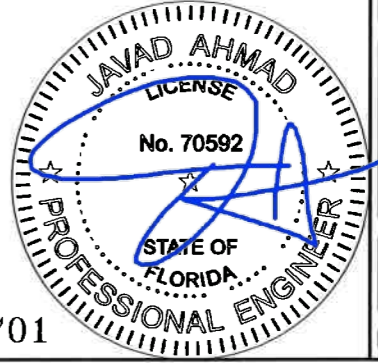
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NOTE:
EGRESS REQUIREMENTS TO BE REVIEWED
BY BUILDING OFFICIAL.

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

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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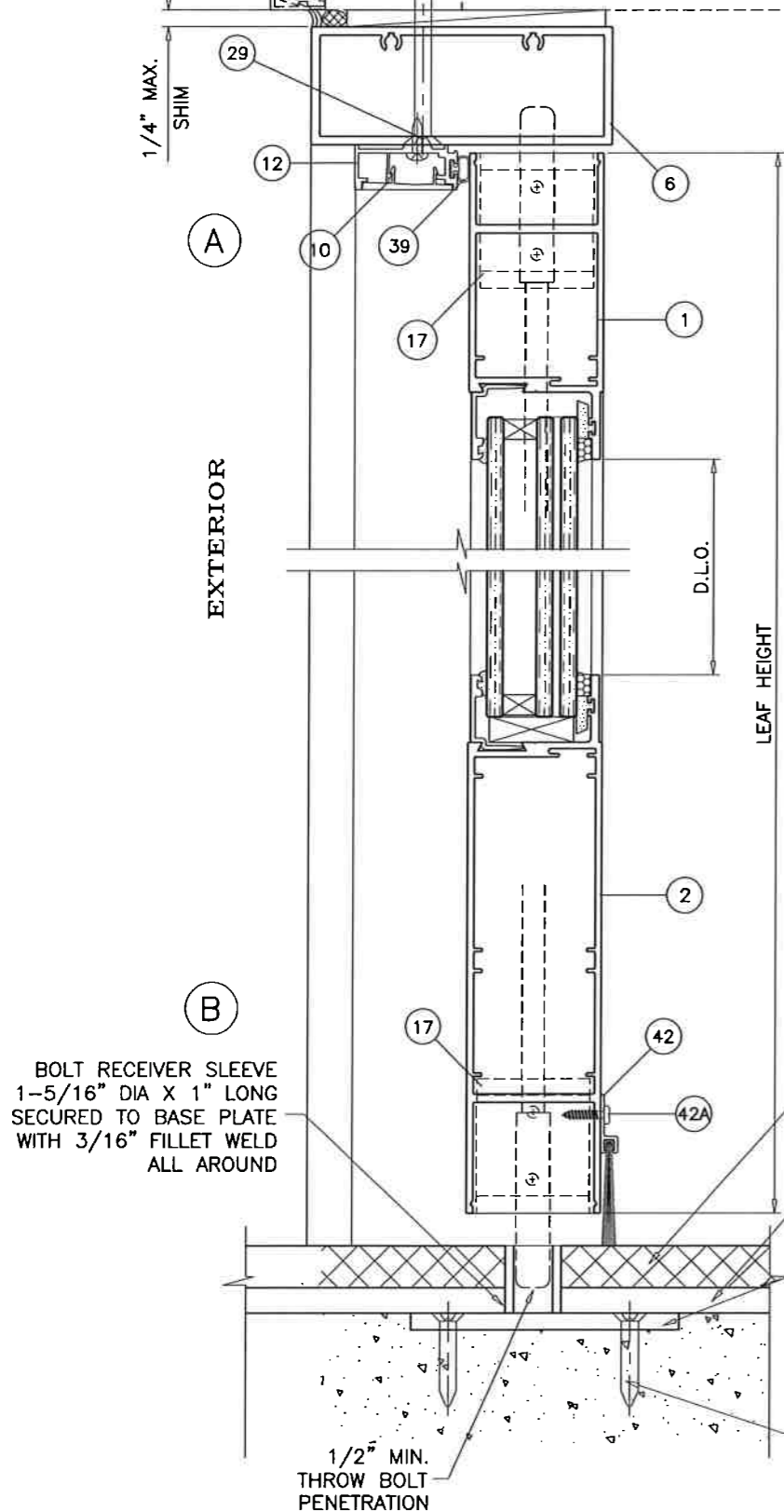
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| sheet 2 of 7 | | | |

FL #20701

TYPICAL ANCHORS
SEE ELEV.
FOR SPACING

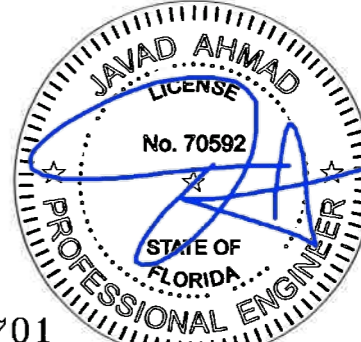
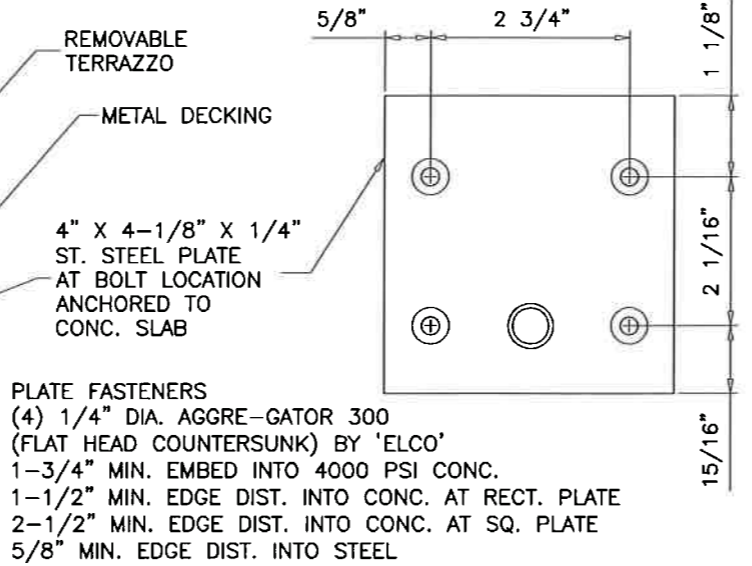
F.B.C. APPROVED
LARGE MISSILE IMPACT RESISTANT
CURTAIN WALL SYSTEM BY OTHERS
SEE SEPARATE APPROVAL FOR
HORIZONTAL MULLION CAPACITY



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. (F_y = 36 KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE
 INTO METAL STRUCTURE = 3/4" MIN.



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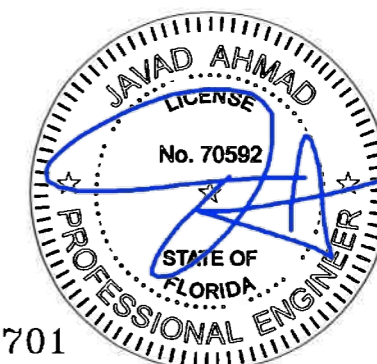
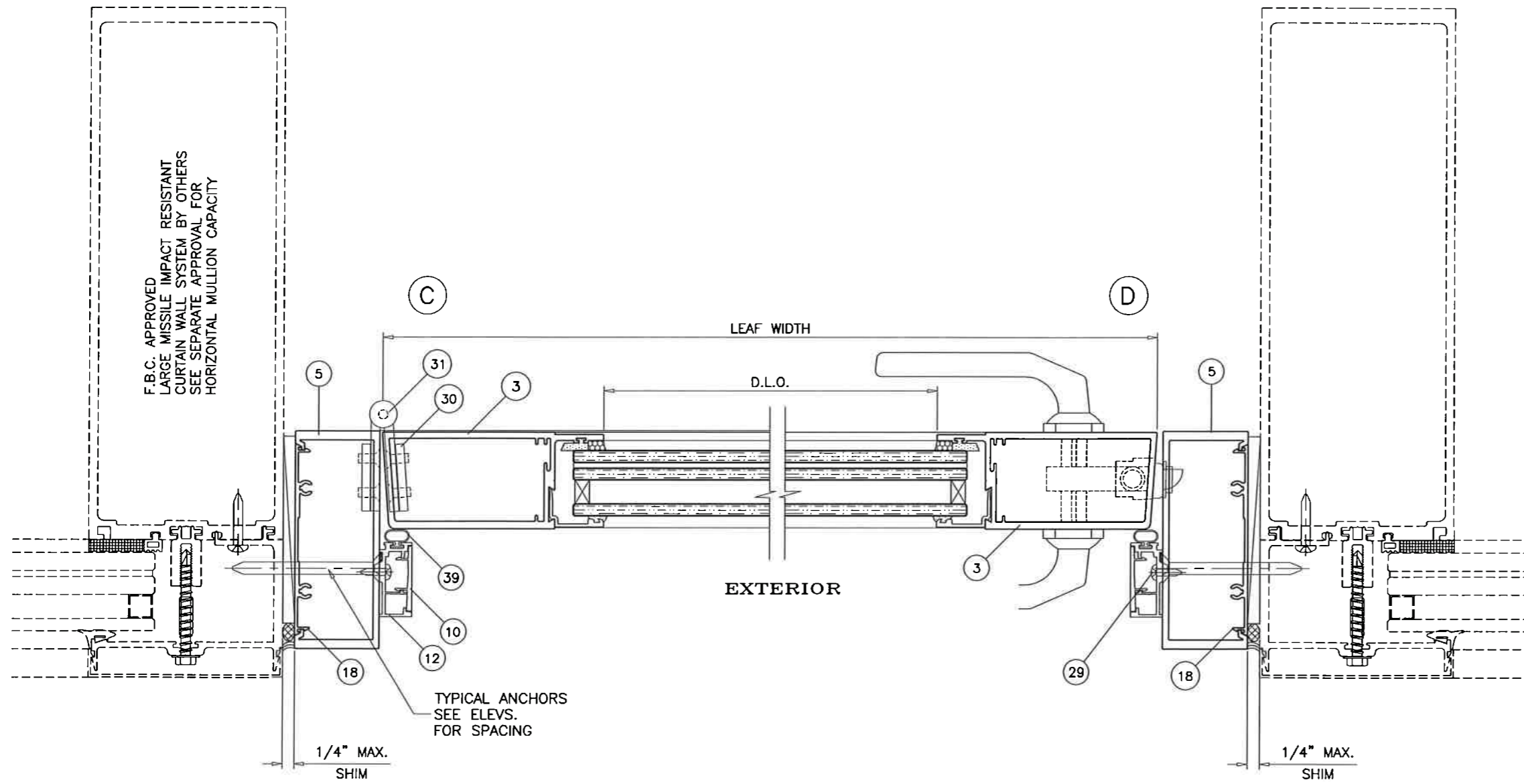
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sheet 3 of 7



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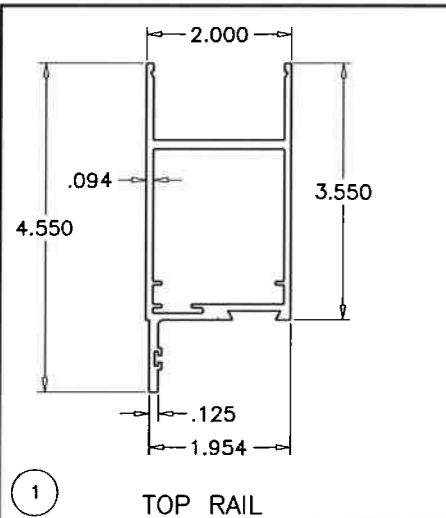
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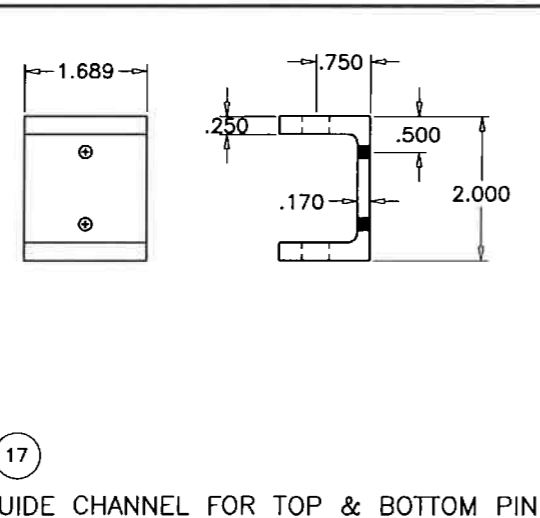
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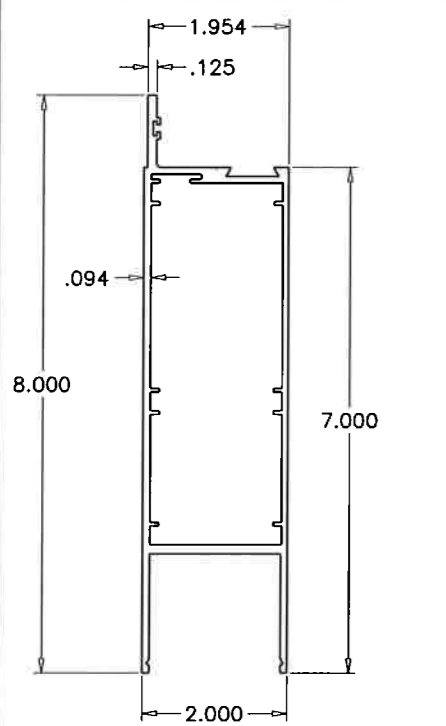
sheet 4 of 7



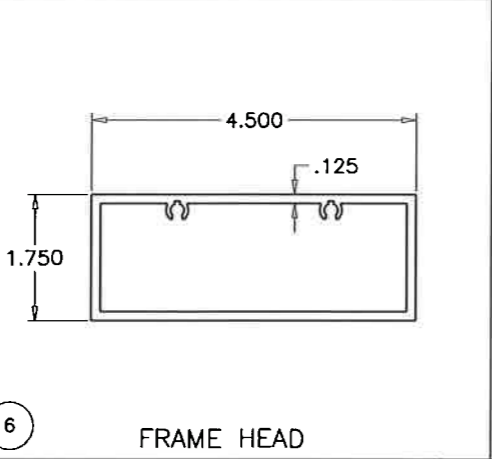
1 TOP RAIL



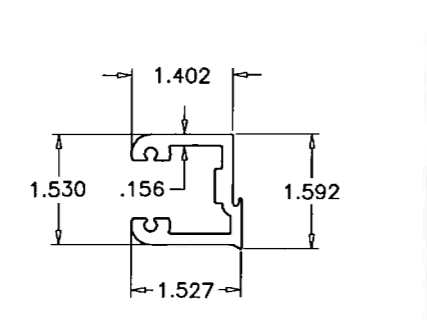
17 GUIDE CHANNEL FOR TOP & BOTTOM PIN



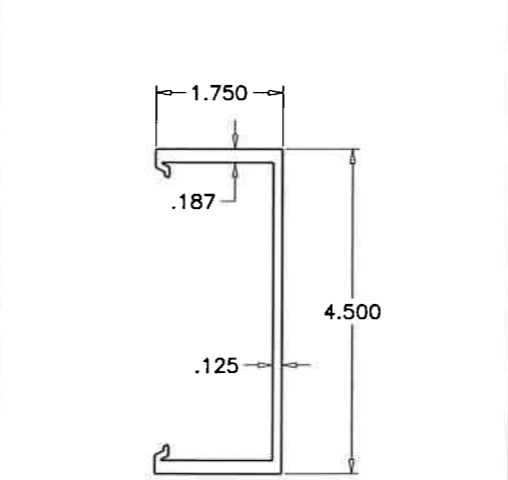
2 BOTTOM RAIL



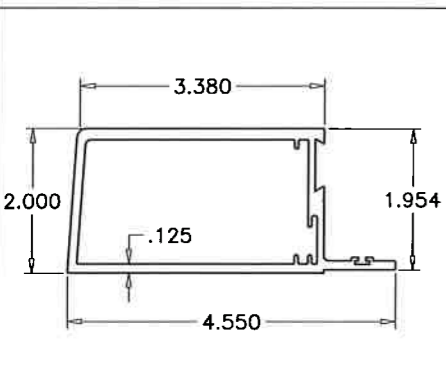
6 FRAME HEAD



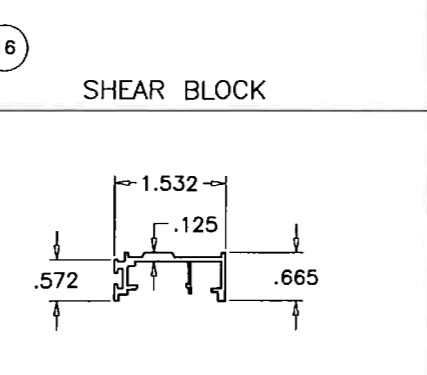
16 SHEAR BLOCK



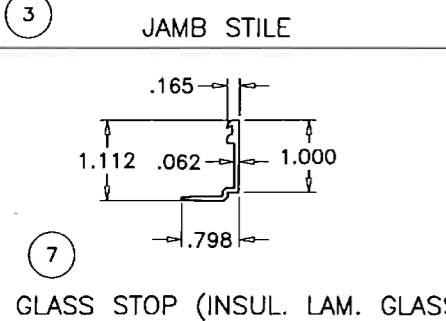
5 FRAME JAMB



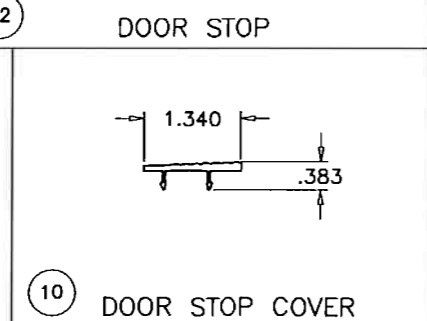
3 JAMB STILE



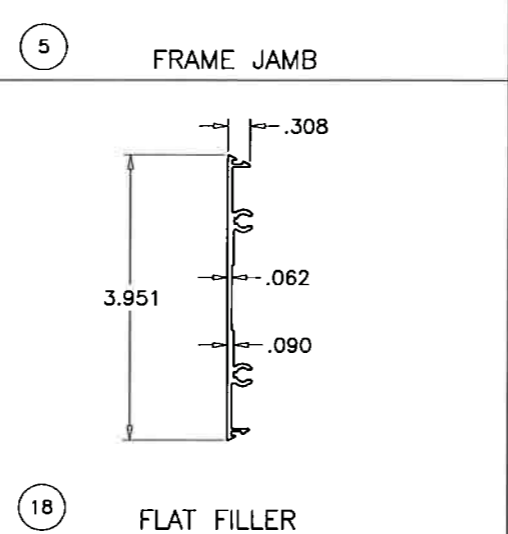
12 DOOR STOP



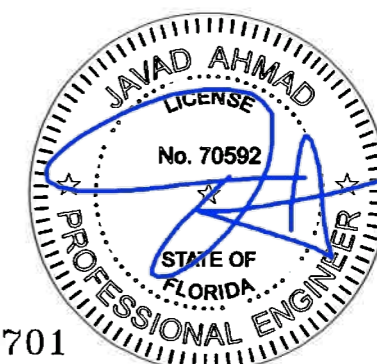
7 GLASS STOP (INSUL. LAM. GLASS)



10 DOOR STOP COVER



18 FLAT FILLER



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sheet 5 of 7

| 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 | 6063-T6 | ENVIRALUM |
| 3 | ENV-353 | 1/ LEAF | JAMB 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 |
| 12 | ENV-3512 | 3/ DOOR | DOOR STOP | 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 | 6063-T6 | ENVIRALUM |
| 21 | ENV-G04 | AS REQD. | EXTERIOR 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 |
| 30 | ENV-BP1 | 2/ HINGE | HINGE BACKING PLATE, 1-1/2" X 1/4" THK. X 8-3/8" LONG | ALUMINUM | - |
| 31 | - | AS REQD. | 4-1/2" X 4" BUTT HINGES | ST. STEEL | - |
| 33 | 1/4-20 X 1" | 10/ LEAF | CORNER BLOCK ASSEMBLY | ST. STEEL | HEX HEAD BOLT W/ WASHER |
| 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 |

SEALANTS:

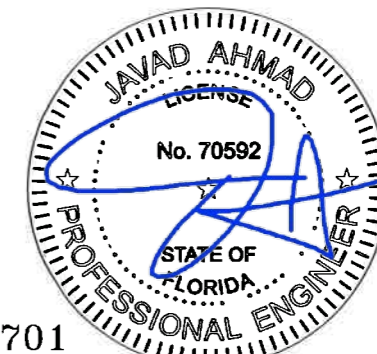
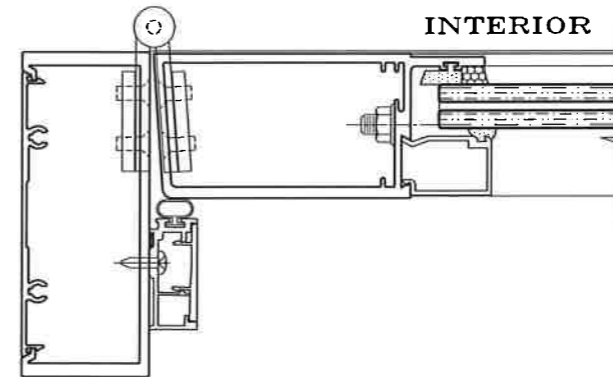
ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER OF GLAZING BEAD TO FRAME SEALED WITH SILICONE SEALANT.

LOCKS:

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

HINGES:

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



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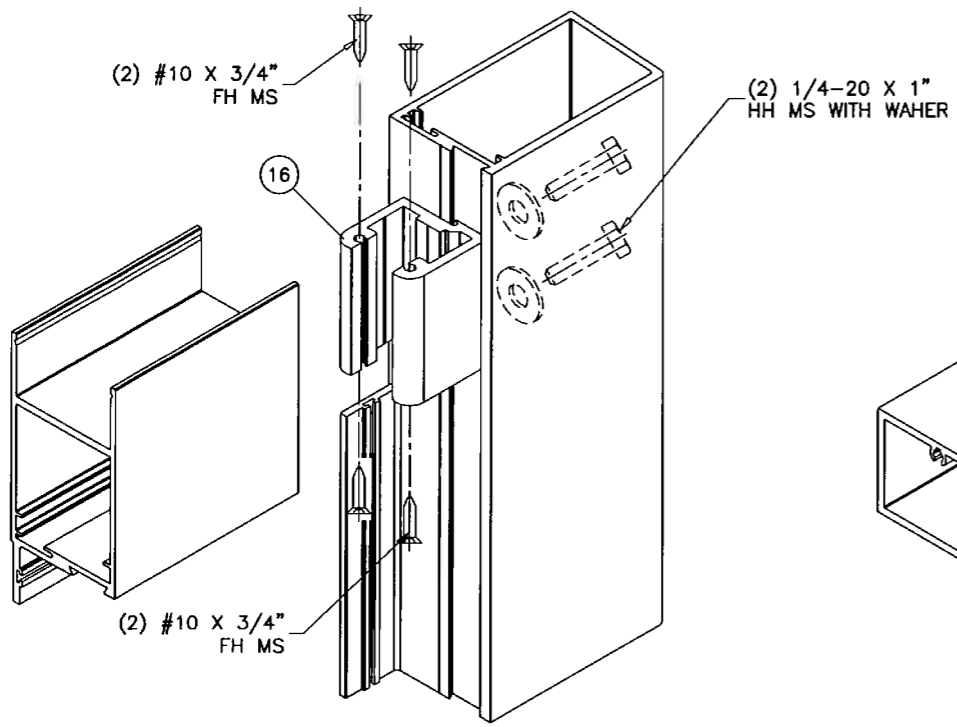
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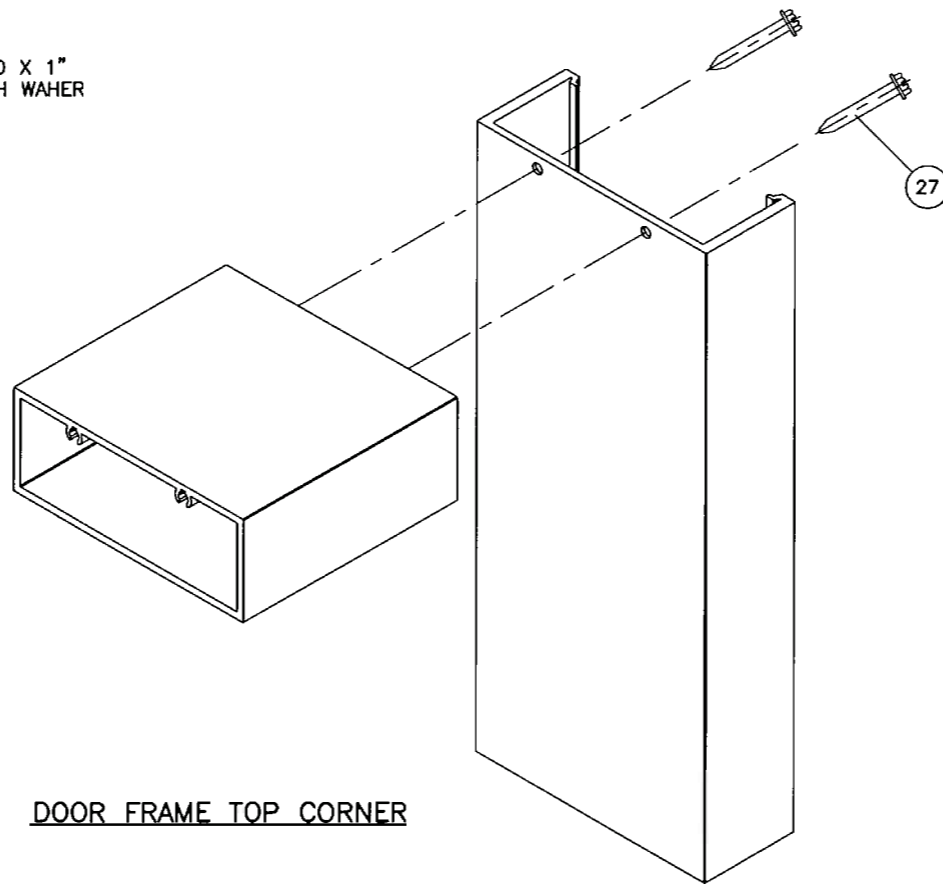
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sheet 6 of 7

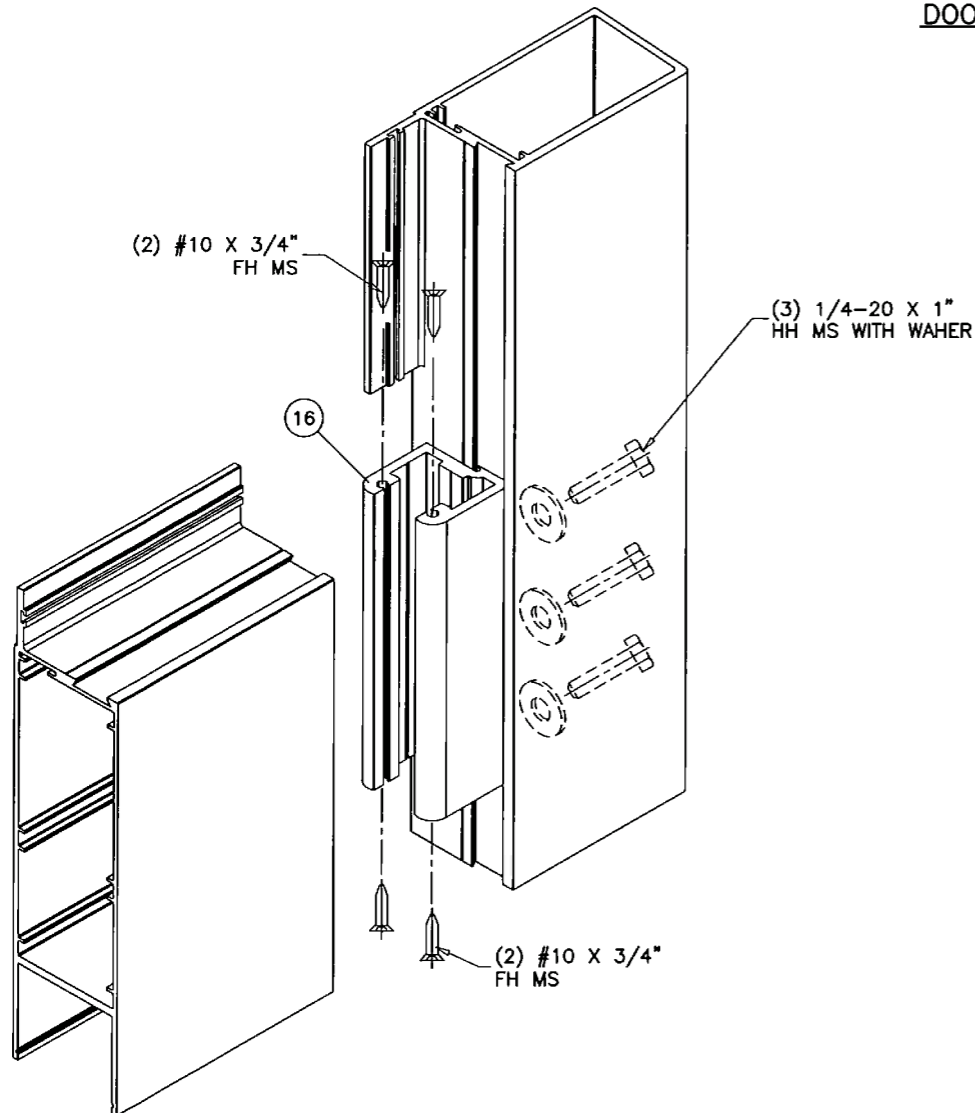
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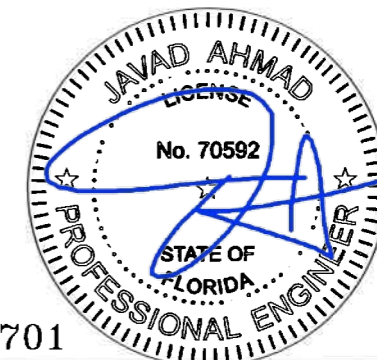
DOOR LEAF TOP CORNER



DOOR FRAME TOP CORNER



DOOR LEAF BOTTOM CORNER



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sheet 7 of 7