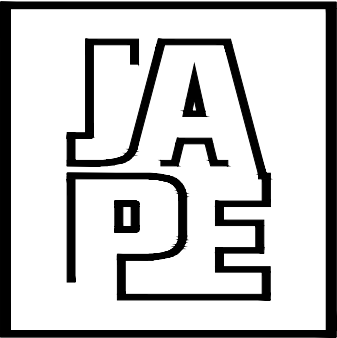




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7875 NW 12 Street, Suite 102  
Doral, FL 33126  
Ph: (305) 424-8001  
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PROJECT :

SERIES ES-9000  
ALUMINUM OUTSWING  
ENTRANCE DOOR  
(L.M.I. & S.M.I.)

CLIENT :



ES WINDOWS, LLC

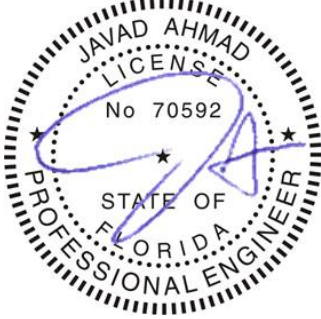
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COVER PAGE

SHEET No.  
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# SERIES ES-9000 ALUMINUM OUTSWING ENTRANCE DOOR

## (LARGE & SMALL MISSILE IMPACT)

| SHEET INDEX |                     |
|-------------|---------------------|
| 00          | COVER PAGE          |
| 01          | GENERAL NOTES       |
| 02          | TYPICAL ELEVATIONS  |
| 03          | TYPICAL ELEVATIONS  |
| 04          | TYPICAL ELEVATIONS  |
| 05          | TYPICAL ELEVATIONS  |
| 06          | TYPICAL ELEVATIONS  |
| 7.1         | GLASS OPTIONS       |
| 7.2         | GLASS OPTIONS       |
| 7.3         | OVERHANG PROTECTION |
| 08          | SECTION DETAILS     |
| 09          | SECTION DETAILS     |
| 10          | ANCHOR / SUBSTRATES |
| 11          | SECTION DETAILS     |
| 12          | SECTION DETAILS     |
| 13          | SECTION DETAILS     |
| 14          | PROFILES DETAILS    |
| 15          | BILL OF MATERIAL    |
| 16          | HARDWARE DETAILS    |
| 17          | INSTALLATION DETAIL |
| 18          | INSTALLATION DETAIL |

TO OBTAIN AUTOCAD/REVIT  
COMPATIBLE DETAILS OF THIS  
PRODUCT, KINDLY GET IN TOUCH  
WITH US CONTACTING US VIA OUR  
OFFICIAL EMAIL ADDRESS:  
CONTACT@JA-PE.COM.

### GENERAL NOTES

- THIS SYSTEM PRESENTED HEREIN HAS UNDERGONE DESIGN AND TESTING IN FULL COMPLIANCE WITH THE FLORIDA BUILDING CODE EIGHTH EDITION (2023) AND NINTH EDITION (2026) IS INTENDED FOR USE IN HIGH VELOCITY HURRICANE ZONE PER TAS 201/202/203..
- THE DESIGN PRESSURES OUTLINED IN THIS DOCUMENT ARE DERIVED FROM MAXIMUM TESTED PRESSURES AND INCORPORATE A 1.5 SAFETY FACTOR.
- THE PRESSURES PROVIDED IN THIS CERTIFICATION ARE DETERMINED USING THE ALLOWABLE STRESS DESIGN METHOD (ASD).
- THIS PRODUCT HAS BEEN RIGOROUSLY TESTED IN ACCORDANCE WITH THE STANDARDS DESCRIBED IN NOTE 1 OF THE GENERAL NOTES. IT IS CONFIRMED TO BE RESISTANT TO LARGE MISSILE IMPACT, THEREBY NOT NECESSITATING THE USE OF IMPACT-RESISTANT SHUTTERS.
- THE DESIGN OF THIS SYSTEM DOES NOT INCORPORATE A 33-1/3% INCREASE IN ALLOWABLE STRESS. FOR WOOD ANCHOR DESIGN, A WIND LOAD DURATION FACTOR OF CD=1.6 HAS BEEN EMPLOYED.
- THE ARCHITECT/ENGINEER OF RECORD RESPONSIBLE FOR THE PROJECT'S SUPERSTRUCTURE, WITH WHICH THIS DESIGN IS ASSOCIATED, SHALL ENSURE THE INTEGRITY OF ALL SUPPORTING SURFACES. COORDINATION WITH THE PERMITTING CONTRACTOR IS REQUIRED, AND PROPER ANCHORING OF WOOD BUCKS (BY OTHERS) MUST FACILITATE LOAD TRANSFER TO THE EXISTING STRUCTURE.
- THE DETAILS OF THE SYSTEM PROVIDED HEREIN ARE OF A GENERIC NATURE AND DO NOT OFFER SPECIFIC SITE INFORMATION. FOR SITE CONDITIONS THAT DIFFER FROM THOSE SPECIFIED HERE, A LICENSED ENGINEER OR REGISTERED ARCHITECT MUST PREPARE SITE-SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS CERTIFICATION.
- THE CONTRACTOR IS ACCOUNTABLE FOR INSULATING ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS (E.G., STEEL WITH ALUMINUM).
- THE SUBSTITUTION OF FASTENERS DESCRIBED IN THIS CERTIFICATION IS PERMISSIBLE, PROVIDED THE ALTERNATIVE ANCHOR EXHIBITS STRENGTH EQUAL TO OR GREATER THAN THE ORIGINALLY SPECIFIED FINAL APPROVAL OF SUBSTITUTED ANCHORS SHALL BE GRANTED BY RELEVANT AUTHORITIES.
- THE WOOD SCREWS REFERENCED IN THIS CERTIFICATION MUST MEET A MINIMUM GRADE OF 2 (FU = 74,000 PSI).
- THE ENGINEER'S SEAL AFFIXED HERE VALIDATES THE STRUCTURAL DESIGN AS PRESENTED SOLELY. ANY USE OF THIS SPECIFICATION BY THE CONTRACTOR OR OTHERS INDEMNIFIES AND SAVES THE ENGINEER HARMLESS FROM ALL COSTS AND DAMAGES, INCLUDING LEGAL FEES AND APPELLATE FEES ARISING FROM MATERIAL FABRICATION, SYSTEM ERECTION, AND CONSTRUCTION PRACTICES BEYOND THE SCOPE CALLED FOR BY LOCAL, STATE, AND FEDERAL CODES OR DEVIATIONS FROM THE PLAN.
- NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED BEYOND WHAT IS EXPRESSLY PROVIDED IN THIS DOCUMENT.
- ALTERATIONS, ADDITIONS, OR ANY MARKINGS TO THIS DOCUMENT ARE STRICTLY PROHIBITED AND WILL INVALIDATE THIS CERTIFICATION.
- PROPER SAFETY MEASURES MUST BE OBSERVED DURING THE INSTALLATION AND USE OF THIS SYSTEM, EVEN THOUGH THEY ARE NOT EXPLICITLY LISTED IN THIS CERTIFICATION.
- MATERIAL SELECTION AND CORROSION PROTECTION SHALL BE VERIFIED FOR THE APPLICABLE COASTAL DISTANCE AND EXPOSURE CONDITION IN ACCORDANCE WITH SECTION 1711 AND TABLE 1711.1 OF THE 2026 FLORIDA BUILDING CODE**  
  
**CORROSION PROTECTION: ANCHORS AND ALL RELATED ATTACHMENT HARDWARE SHALL BE MANUFACTURED FROM CORROSION-RESISTANT MATERIALS OR PROTECTED BY AN APPROVED CORROSION-RESISTANT FINISH. FOR INSTALLATIONS WITHIN 3,000 FEET OF A SALTWATER COASTLINE, PROVIDE THE FOLLOWING:**  
  
**A. FASTENERS INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED TO ASTM A153, CLASS D; ASTM A641, CLASS 3S; OR PROVIDED WITH EQUIVALENT CORROSION PROTECTION.**  
**B. CONNECTORS AND METAL PLATES SHALL HAVE A STANDARD GALVANIZED FINISH COMPLYING WITH ASTM A653, G90; ASTM A123; OR AN APPROVED PROTECTIVE COATING COMPLYING WITH TPI 1.**

SERIES 9000

ALUMINUM OUTSWING ENTRANCE DOOR

SEE SHEET 2 FOR DESIGN LOAD CAPACITY OF SINGLE DOORS WITH OR WITHOUT TRANSOMS.

SEE SHEETS 3 & 4 FOR DESIGN LOAD CAPACITY OF DOUBLE DOORS WITH OR WITHOUT TRANSOMS.

SEE SHEET 5 FOR DESIGN LOAD CAPACITY OF SINGLE AND DOUBLE DOORS WITHOUT TRANSOMS WITH ADDITIONAL OPTIONS.

SEE SHEET 6 FOR DESIGN LOAD CAPACITY OF SINGLE DOORS WITHOUT TRANSOMS WITH HIGHER LOAD CAPACITY.

DOORS CAN ALSO BE USED WITH E.S. WINDOWS SERIES ES-8000, ES-8000T OR SERIES 9500 STOREFRONT SYSTEMS UNDER SEPARATE APPROVAL. DOOR MULLION ATTACHMENT, END LOAD AND CAPACITY TO BE REVIEWED BY BUILDING OFFICIAL.

DOORS WITH STANDARD, SADDLE AND MEDIUM THRESHOLDS ARE NOT APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED. DOORS USING ES-9026 (HIGH THRESHOLD OPTION) ARE APPROVED FOR WATER INFILTRATION RESISTANCE. SEE SHEETS 8 & 9 FOR DETAILS.

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.

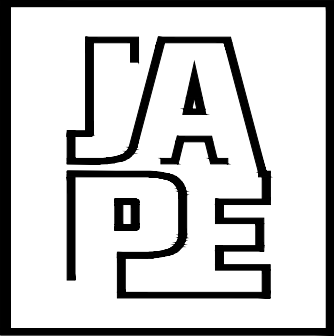
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY. ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023/2026 FLORIDA 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.

FL# 48398.2



JAVAD AHMAD PE, inc

7875 NW 12 Street, Suite 102  
Doral, FL 33126  
Ph: (305) 424-8001  
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PROJECT :

SERIES ES-9000  
ALUMINUM OUTSWING  
ENTRANCE DOOR  
(L.M.I. & S.M.I.)

CLIENT :



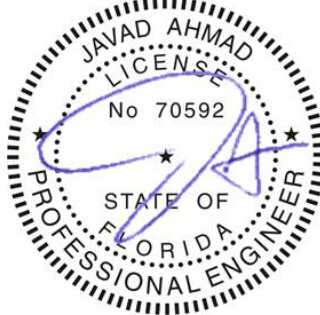
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GENERAL NOTES

SHEET No.  
01 OF 18

GLASS D.L.O. DIMS.

D.L.O. HEIGHT (DOOR) = FRAME HEIGHT – 15.250" (STD. THRESHOLD)  
D.L.O. HEIGHT (DOOR) = FRAME HEIGHT – 15.625" (SADDLE THRESHOLD)  
D.L.O. HEIGHT (DOOR) = FRAME HEIGHT – 15.750" (MED. & HIGH THRESHOLDS)  
D.L.O. WIDTH (DOOR) = FRAME WIDTH – 14.0625"

D.L.O. HEIGHT (ES-9500 TRANSOM) = TRANSOM HEIGHT – 5"  
D.L.O. WIDTH (ES-9500 TRANSOM) = FRAME WIDTH – 7"

D.L.O. HEIGHT (ES-8000 TRANSOM) = TRANSOM HEIGHT – 5.5"  
D.L.O. WIDTH (ES-8000 TRANSOM) = FRAME WIDTH – 5.5"

D.L.O. HEIGHT (ES-8000T TRANSOM) = TRANSOM HEIGHT – 5.5"  
D.L.O. WIDTH (ES-8000T TRANSOM) = FRAME WIDTH – 5.5"

LEAF HEIGHT = FRAME HEIGHT – 2.938" (STD. THRESHOLD)  
LEAF HEIGHT = FRAME HEIGHT – 2.563" (SADDLE THRESHOLD)  
LEAF HEIGHT = FRAME HEIGHT – 2.438" (MED. & HIGH THRESHOLDS)  
LEAF WIDTH = FRAME WIDTH – 5.188"

NOTE:  
VERIFY COMPLIANCE WITH EGRESS LIMITATIONS WHERE REQUIRED.

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.

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

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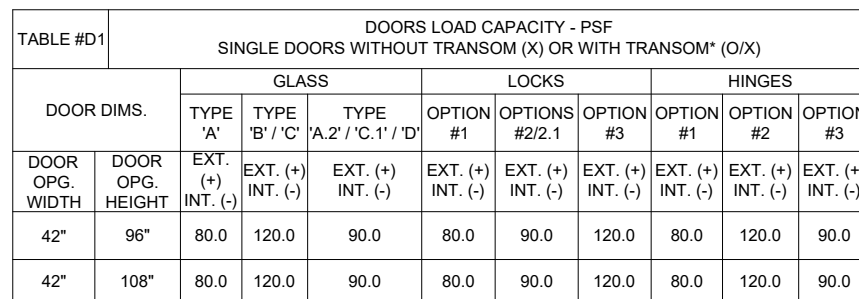
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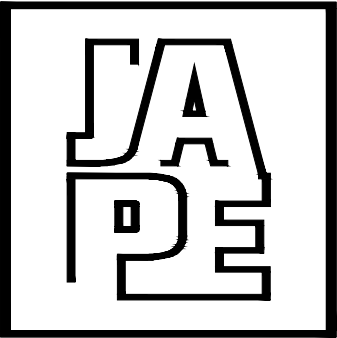
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| TABLE #J1             |                        | JAMB ANCHORS LOAD CAPACITY - PSF (NOT APPLICABLE AT TRANSOM ENDS SEE NOTE 4)<br>SINGLE DOORS WITHOUT TRANSOM (X) OR WITH TRANSOM (O/X) |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |               |
|-----------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------|
| DOOR DIMS.            |                        | 1/4" SHIM SPACE                                                                                                                        |                      |                      |                      |                      |                      | 3/8" SHIM SPACE      |                      |                      |                      | 1/2" SHIM SPACE      |                      |                      |               |
|                       |                        | SPACING AT 16" O.C.                                                                                                                    |                      |                      | SPACING AT 8" O.C.   |                      |                      | AT 16" O.C.          |                      | AT 8" O.C.           |                      | AT 16" O.C.          |                      | AT 8" O.C.           |               |
|                       |                        | ANCHOR<br>'A'                                                                                                                          | ANCHOR<br>'C'        | ANCHOR<br>'D'        | ANCHOR<br>'A'        | ANCHOR<br>'C'        | ANCHOR<br>'D'        | ANCHOR<br>'A'        | ANCHOR<br>'C'        | ANCHOR<br>'A'        | ANCHOR<br>'C'        | ANCHOR<br>'A'        | ANCHOR<br>'C'        | ANCHOR<br>'A'        | ANCHOR<br>'C' |
| DOOR<br>OPG.<br>WIDTH | DOOR<br>OPG.<br>HEIGHT | EXT. (+)<br>INT. (-)                                                                                                                   | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) |               |
| 35"                   | 108"                   | 112.5                                                                                                                                  | 120.0                | 120.0                | 120.0                | 120.0                | 120.0                | 82.5                 | 82.5                 | 120.0                | 120.0                | 64.2                 | 92.7                 | 120.0                | 120.0         |
| 42"                   | 108"                   | 95.7                                                                                                                                   | 111.0                | 120.0                | 120.0                | 120.0                | 120.0                | 70.2                 | 100.0                | 120.0                | 120.0                | 54.6                 | 78.9                 | 109.2                | 120.0         |

SEE SHEET 10 FOR ANCHOR DESCRIPTION



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Doral, FL 33126  
Ph: (305) 424-8001  
support@ja-pe.com  
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PROJECT :

SERIES ES-9000  
ALUMINUM OUTSWING  
ENTRANCE DOOR  
(L.M.I. & S.M.I.)

CLIENT :

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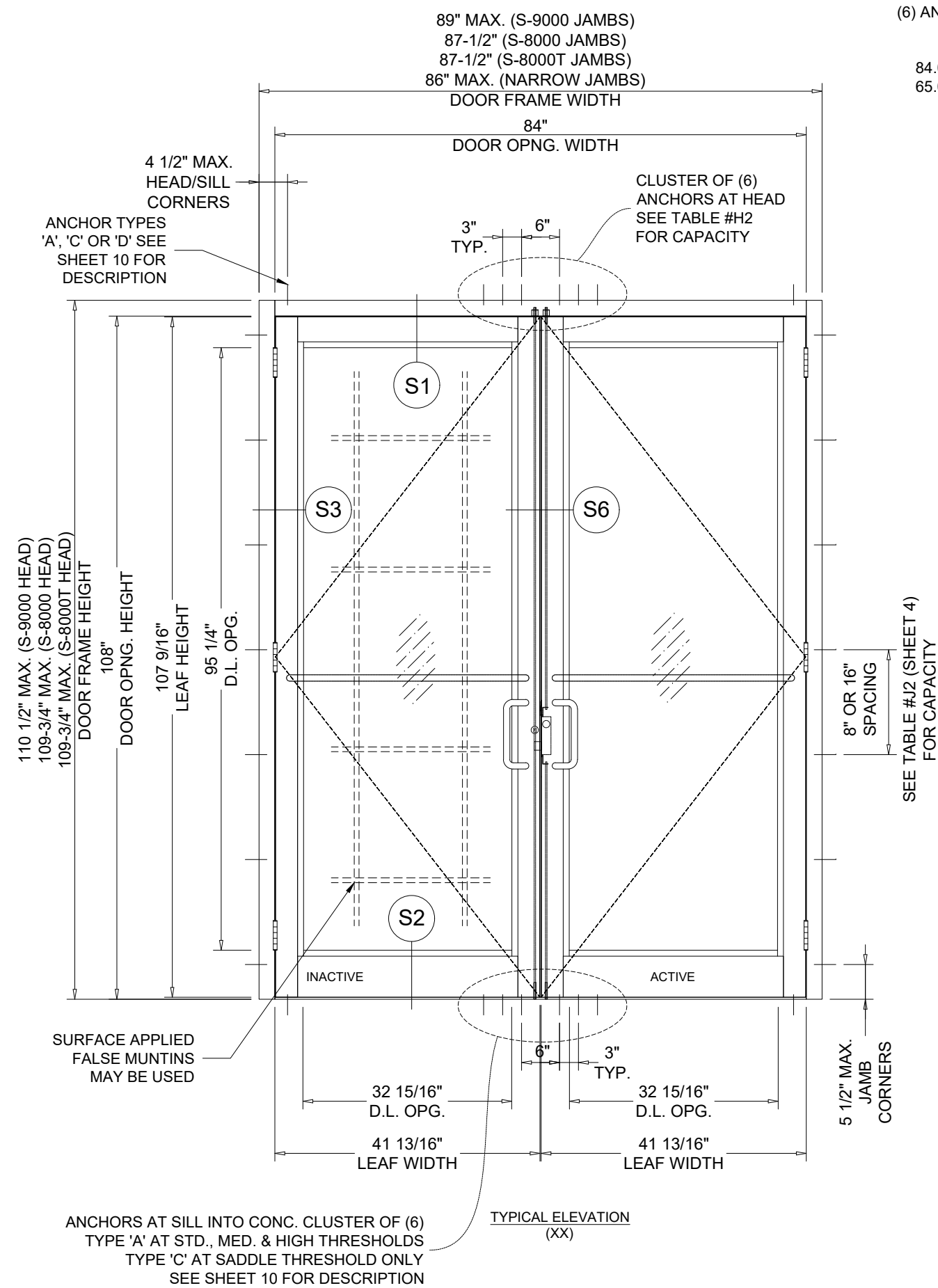
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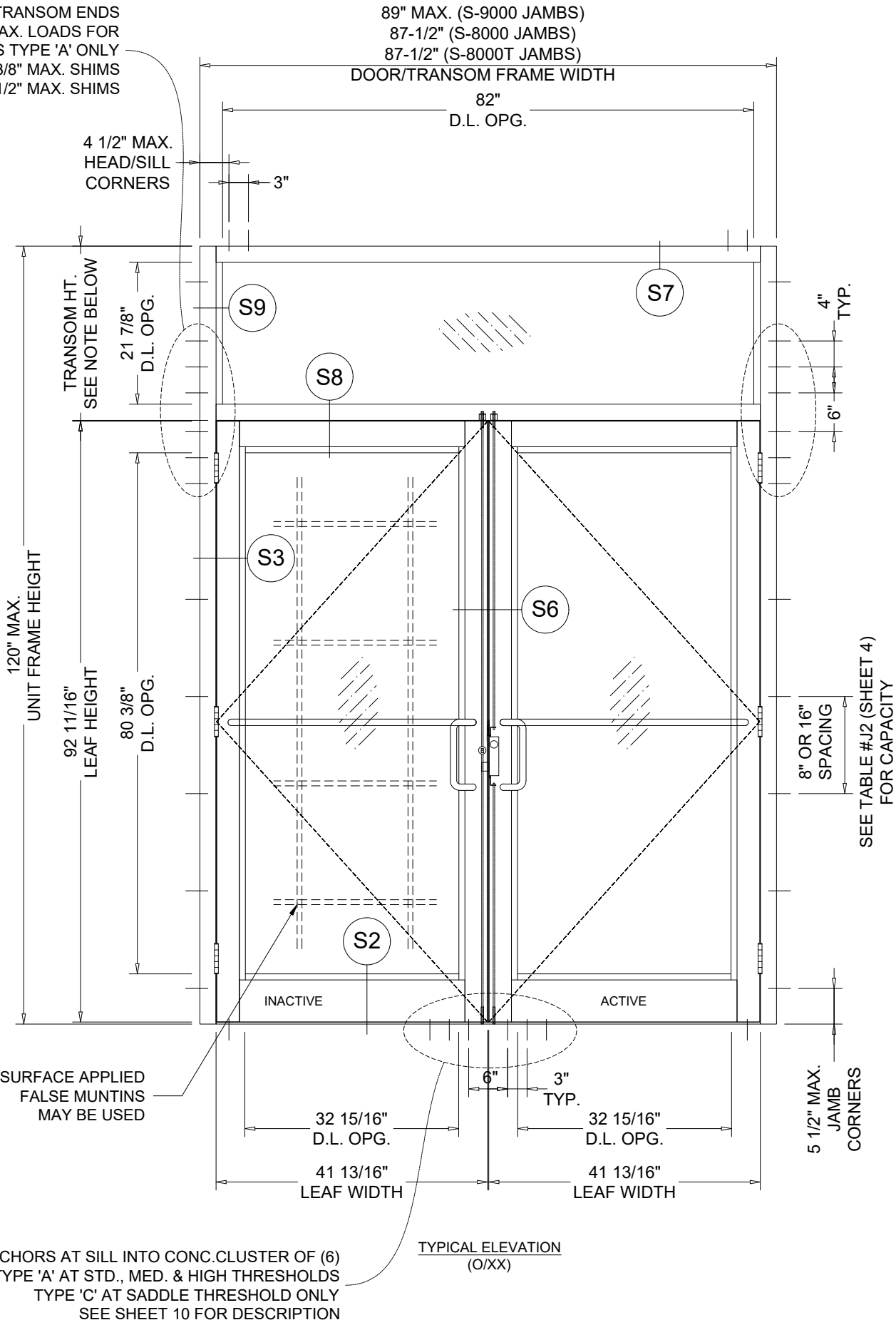
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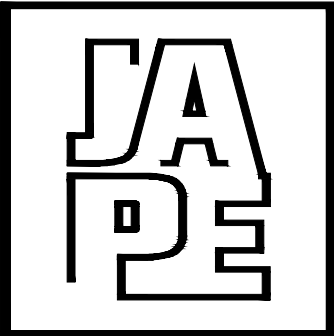


(6) ANCHORS AT TRANSOM ENDS  
LIMIT MAX. LOADS FOR  
ANCHORS TYPE 'A' ONLY  
84.0 PSF WITH 3/8" MAX. SHIMS  
65.0 PSF WITH 1/2" MAX. SHIMS



SEE CHARTS ON SHEET 04 FOR DOUBLE  
DOOR AND TRANSOM LOAD CAPACITY

TRANSOM HEIGHTS:  
27" MAX. FOR S-8000 TRANSOM  
36" MAX. FOR S-8000T TRANSOM



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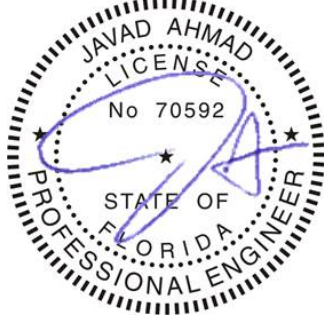
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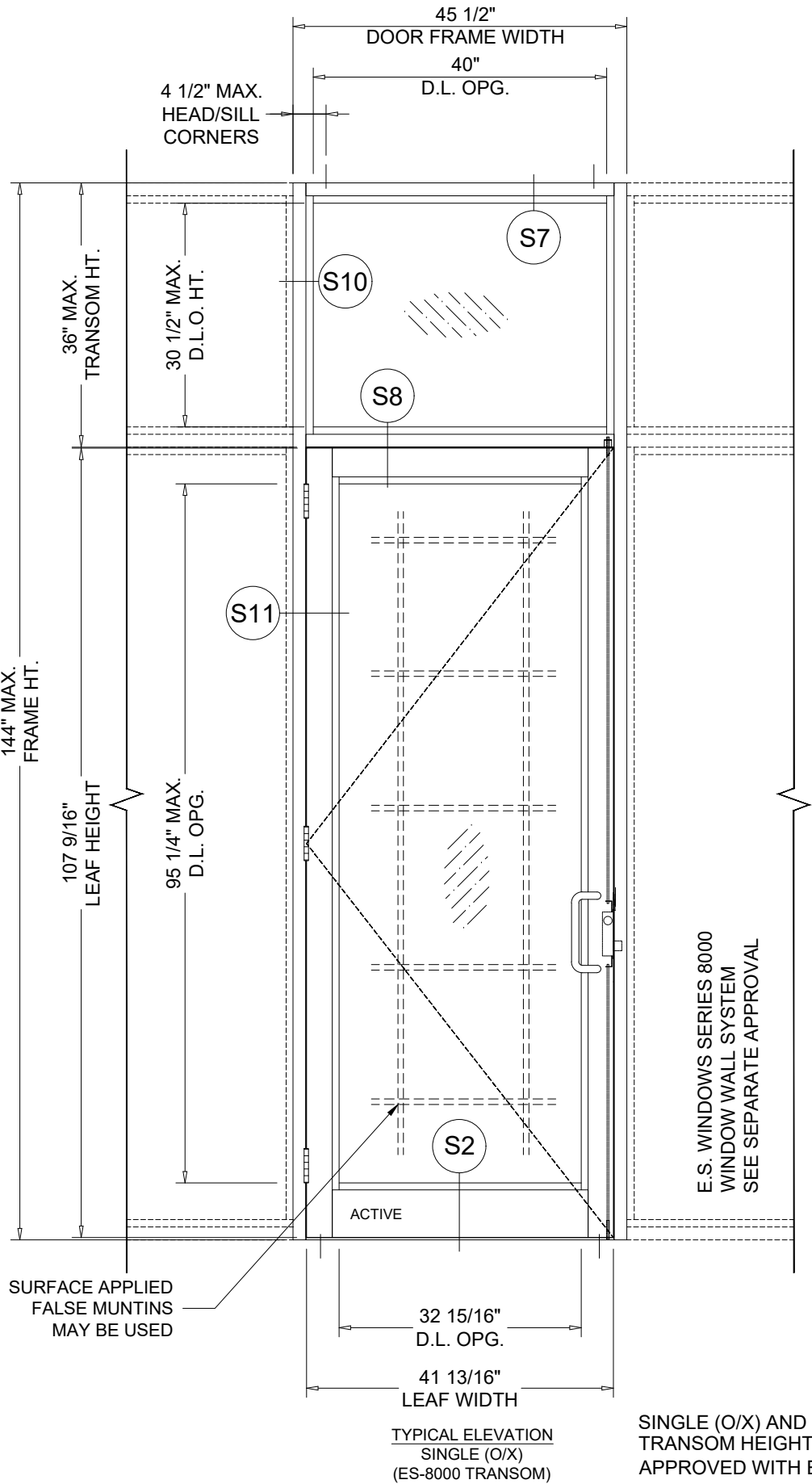
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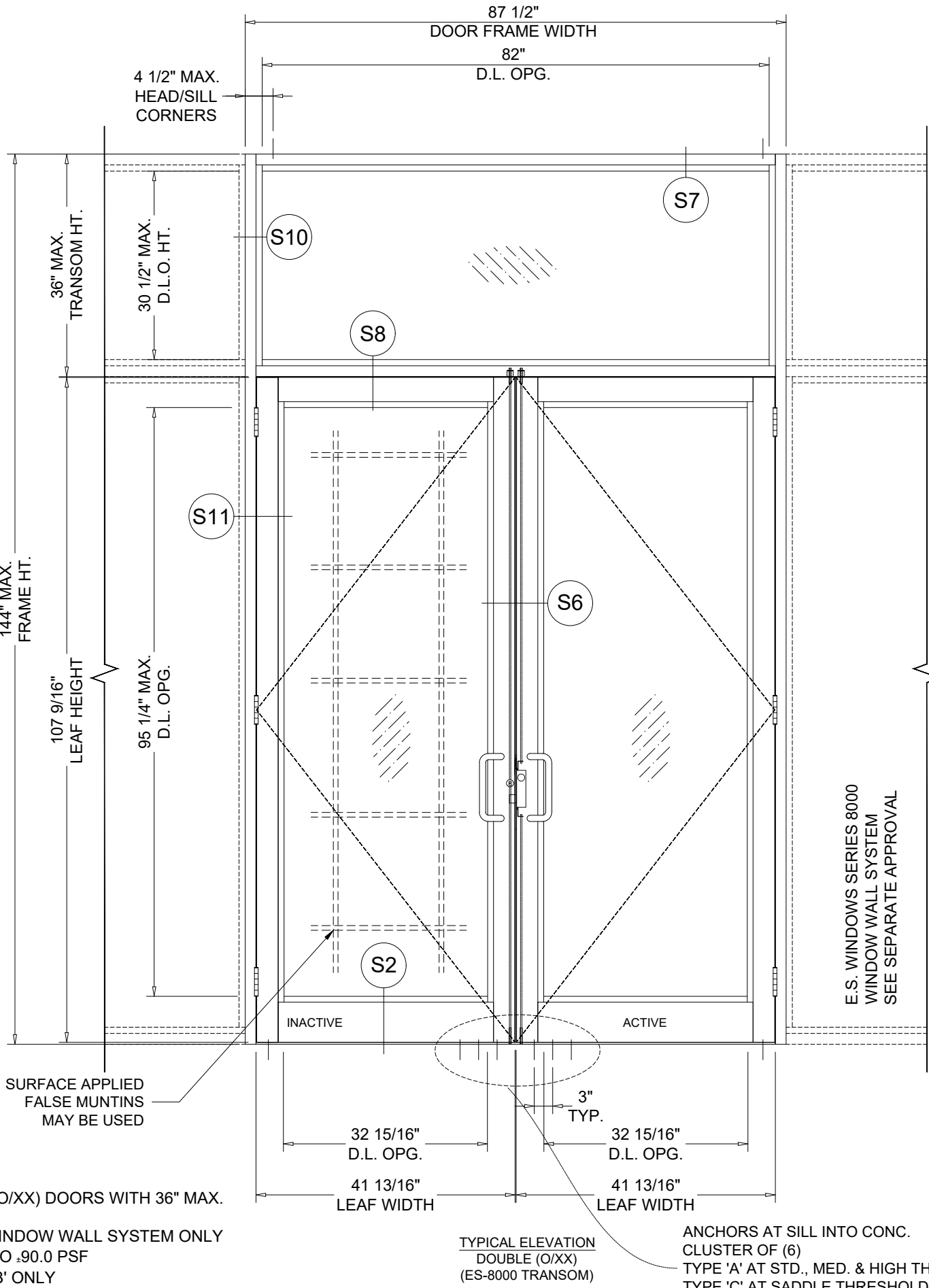
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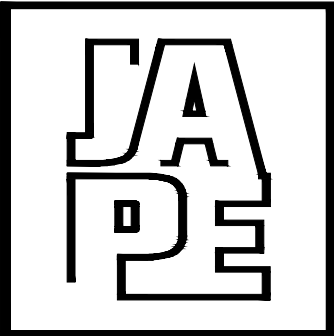
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3.1 OF 18



SINGLE (O/X) AND DOUBLE (O/XX) DOORS WITH 36" MAX. TRANSOM HEIGHTS  
APPROVED WITH ES-8000 WINDOW WALL SYSTEM ONLY  
LIMIT MAX. DESIGN LOADS TO 90.0 PSF  
GLASS AT TRANSOM TYPE 'B' ONLY





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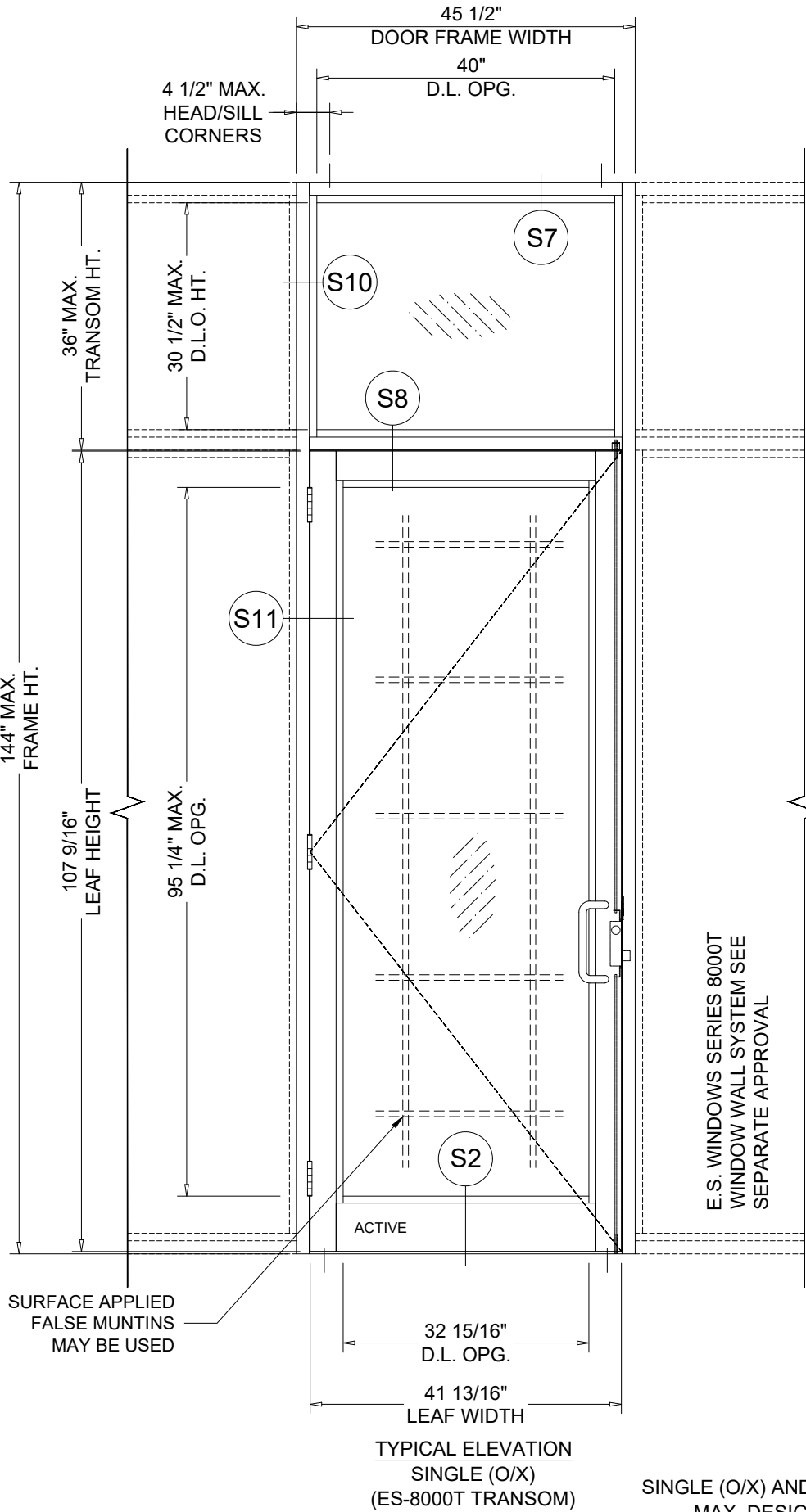
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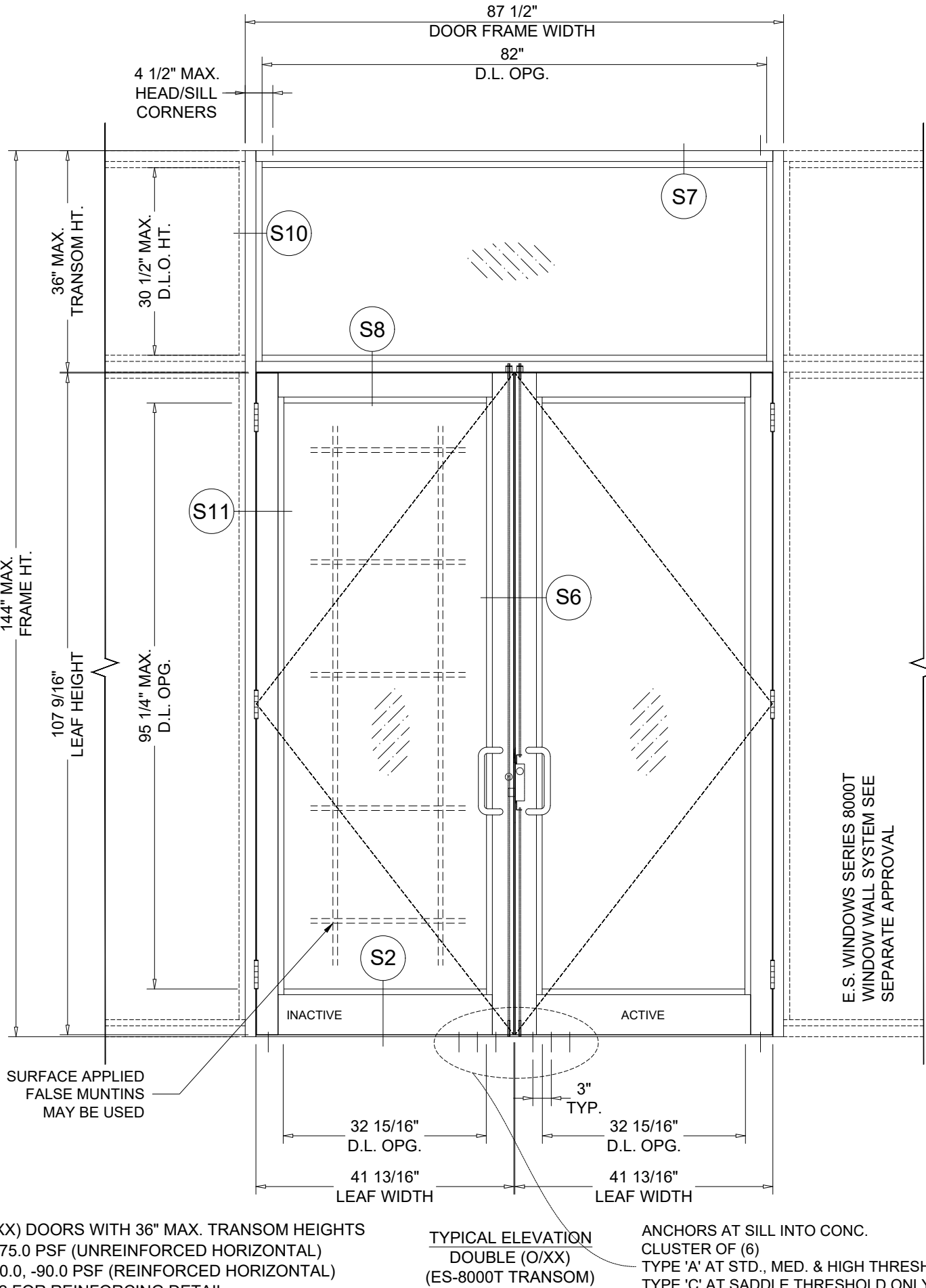
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TYP. ELEVATIONS

SHEET No.  
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SINGLE (O/X) AND DOUBLE (O/XX) DOORS WITH 36" MAX. TRANSOM HEIGHTS  
MAX. DESIGN LOADS TO ±75.0 PSF (UNREINFORCED HORIZONTAL)  
MAX. DESIGN LOADS TO +80.0, -90.0 PSF (REINFORCED HORIZONTAL)  
SEE SHEET 12 FOR REINFORCING DETAIL  
GLASS AT TRANSOM TYPE 'E' & 'E-R' ONLY



DOUBLE DOORS WITH OR WITHOUT TRANSOMS  
USE CHARTS AS FOLLOWS  
FOR THE CORRESPONDING DOOR SIZE

1- FOR GLASS TYPE, LOCK AND HINGE OPTIONS  
OBTAIN LOAD CAPACITIES FROM TABLE #D2.

2- SELECT THRESHOLD TYPE TO BE USED.  
WATER RATED HIGH THRESHOLD ITEM #E2E (ES-9026) +90.0 PSF  
NON WATER RATED MEDIUM THRESHOLD ITEM #E2D (ES-9000-036) +90.0 PSF  
NON WATER RATED (STANDARD THRESHOLD +90.0 PSF)  
NON WATER RATED (SADDLE THRESHOLD +80.0 PSF)

3- FOR JAMB ANCHORS TYPE/SHIMSPACE OBTAIN  
LOAD CAPACITIES FROM TABLE #J2.  
SEE ELEVATION ON SHEET 3 FOR TRANSOM END ANCHORS.

(MIN. 6 ANCHORS REQD. IN ALL CASES)

4- FOR HEAD ANCHORS, TYPE/SHIMSPACE OBTAIN  
LOAD CAPACITIES FROM TABLE #H2.

THE LOWEST VALUES FROM STEPS 1, 2, 3  
AND 4 WILL GOVERN.

| TABLE #D2          |                     | DOORS LOAD CAPACITY - PSF<br>DOUBLE DOOR WITHOUT TRANSOM (XX) OR WITH TRANSOM (O/XX) |                      |                             |                      |                      |                      |                      |                      |                      |
|--------------------|---------------------|--------------------------------------------------------------------------------------|----------------------|-----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| DOOR DIMS.         |                     | GLASS                                                                                |                      |                             | LOCKS                |                      |                      |                      | HINGES               |                      |
|                    |                     | TYPE<br>'A'                                                                          | TYPE<br>'B' / 'C'    | TYPE<br>'A.2' / 'C.1' / 'D' | OPTION<br>#1         | OPTION<br>#2         | OPTION<br>#2.1       | OPTION<br>#3         | OPTION<br>#1         | OPTIONS<br>#2 / 3    |
| DOOR OPG.<br>WIDTH | DOOR OPG.<br>HEIGHT | EXT. (+)<br>INT. (-)                                                                 | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-)        | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) |
| 84"                | 96"                 | 80.0                                                                                 | 90.0                 | 90.0                        | 80.0                 | 90.0                 | 90.0                 | 90.0                 | 80.0                 | 90.0                 |
| 84"                | 108"                | 80.0                                                                                 | 90.0                 | 90.0                        | 80.0                 | 80.0                 | 90.0                 | 90.0                 | 80.0                 | 90.0                 |

DOUBLE DOORS WITH SADDLE THRESHOLD LIMITED TO +80.0, -80.0 PSF  
SEE SHEET 7 FOR GLASS TYPES DESCRIPTION  
SEE SHEET 16 FOR LOCK AND HINGES DESCRIPTION

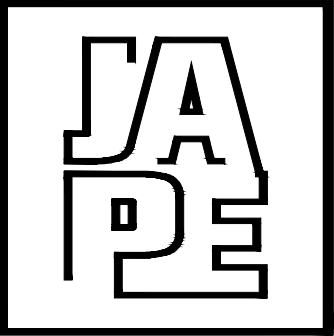
| TABLE #J2          |                     | JAMB ANCHORS LOAD CAPACITY - PSF (NOT APPLICABLE AT TRANSOM ENDS SEE NOTE 3)<br>DOUBLE DOORS WITHOUT TRANSOM (XX) OR WITH TRANSOM (O/XX) |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |
|--------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| DOOR DIMS.         |                     | 1/4" SHIM SPACE                                                                                                                          |                      |                      |                      |                      |                      | 3/8" SHIM SPACE      |                      |                      |                      | 1/2" SHIM SPACE      |                      |                      |                      |
|                    |                     | SPACING AT 16" O.C.                                                                                                                      |                      |                      | SPACING AT 8" O.C.   |                      |                      | SPACING AT 16" O.C.  |                      | SPACING AT 8" O.C.   |                      | SPACING AT 16" O.C.  |                      | SPACING AT 8" O.C.   |                      |
|                    |                     | ANCHOR<br>'A'                                                                                                                            | ANCHOR<br>'C'        | ANCHOR<br>'D'        | ANCHOR<br>'A'        | ANCHOR<br>'C'        | ANCHOR<br>'D'        | ANCHOR<br>'A'        | ANCHOR<br>'C'        | ANCHOR<br>'A'        | ANCHOR<br>'C'        | ANCHOR<br>'A'        | ANCHOR<br>'C'        | ANCHOR<br>'A'        | ANCHOR<br>'C'        |
| DOOR OPG.<br>WIDTH | DOOR OPG.<br>HEIGHT | EXT. (+)<br>INT. (-)                                                                                                                     | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) |
| 70"                | 108"                | 90.0                                                                                                                                     | 90.0                 | 90.0                 | 90.0                 | 90.0                 | 90.0                 | 88.0                 | 90.0                 | 90.0                 | 90.0                 | 68.4                 | 90.0                 | 90.0                 | 90.0                 |
| 84"                | 108"                | 90.0                                                                                                                                     | 88.7                 | 90.0                 | 90.0                 | 90.0                 | 90.0                 | 74.2                 | 88.7                 | 90.0                 | 90.0                 | 57.7                 | 83.3                 | 90.0                 | 90.0                 |

SEE SHEET 10 FOR ANCHOR DESCRIPTION

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

| TABLE #H2          |                     | HEAD ANCHORS LOAD CAPACITY - PSF<br>DOUBLE DOOR WITHOUT TRANSOM (XX) OR WITH TRANSOM (O/XX) |                      |                      |                      |                      |                      |                      |                      |
|--------------------|---------------------|---------------------------------------------------------------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| DOOR DIMS.         |                     | 1/4" SHIM SPACE                                                                             |                      |                      | 3/8" SHIM SPACE      |                      | 1/2" SHIM SPACE      |                      |                      |
|                    |                     | ANCHOR<br>'A'                                                                               | ANCHOR<br>'C'        | ANCHOR<br>'D'        | ANCHOR<br>'A'        | ANCHOR<br>'C'        | ANCHOR<br>'A'        | ANCHOR<br>'C'        |                      |
| DOOR OPG.<br>WIDTH | DOOR OPG.<br>HEIGHT | EXT. (+)<br>INT. (-)                                                                        | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) |
| 70"                | 96"                 | 90.0                                                                                        | 90.0                 | 90.0                 | 85.8                 | 90.0                 | 66.7                 | 90.0                 |                      |
| 84"                |                     | 90.0                                                                                        | 90.0                 | 90.0                 | 72.3                 | 90.0                 | 56.2                 | 81.2                 |                      |
| 70"                | 108"                | 90.0                                                                                        | 90.0                 | 90.0                 | 76.5                 | 90.0                 | 59.5                 | 85.9                 |                      |
| 84"                |                     | 90.0                                                                                        | 90.0                 | 90.0                 | 64.4                 | 90.0                 | 50.1                 | 72.3                 |                      |

SEE SHEET 10 FOR ANCHOR DESCRIPTION  
SILL ANCHORS DESIGN LOAD CAPACITY ALL SIZES = ±90.0 PSF



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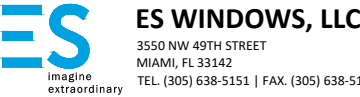
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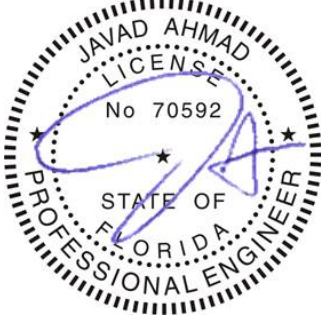


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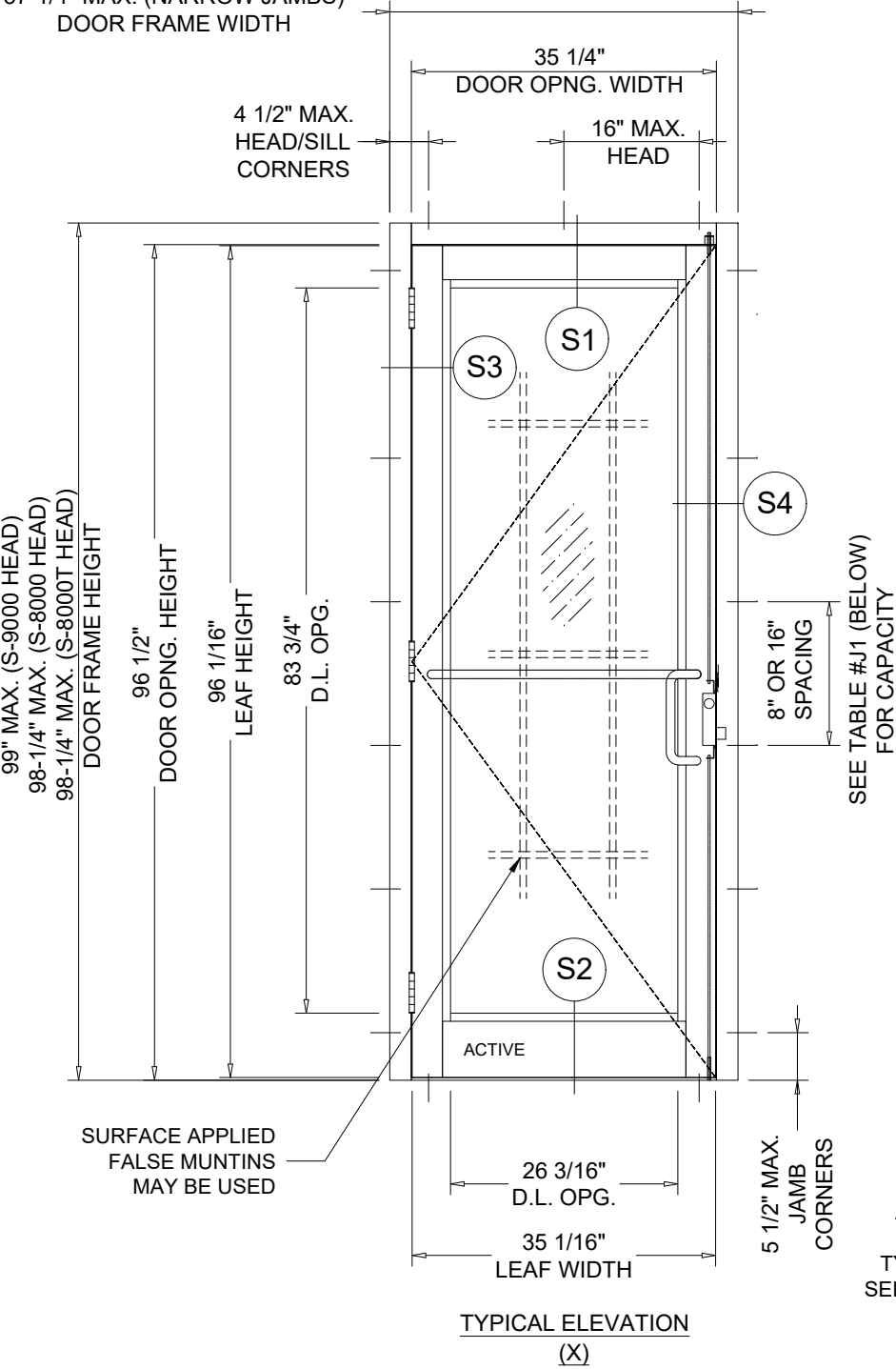


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TYP. ELEVATIONS

SHEET No.  
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40 1/4" MAX. (S-9000 JAMBS)  
38-3/4" (S-8000 JAMBS)  
38-3/4" (S-8000T JAMBS)  
37-1/4" MAX. (NARROW JAMBS)  
DOOR FRAME WIDTH

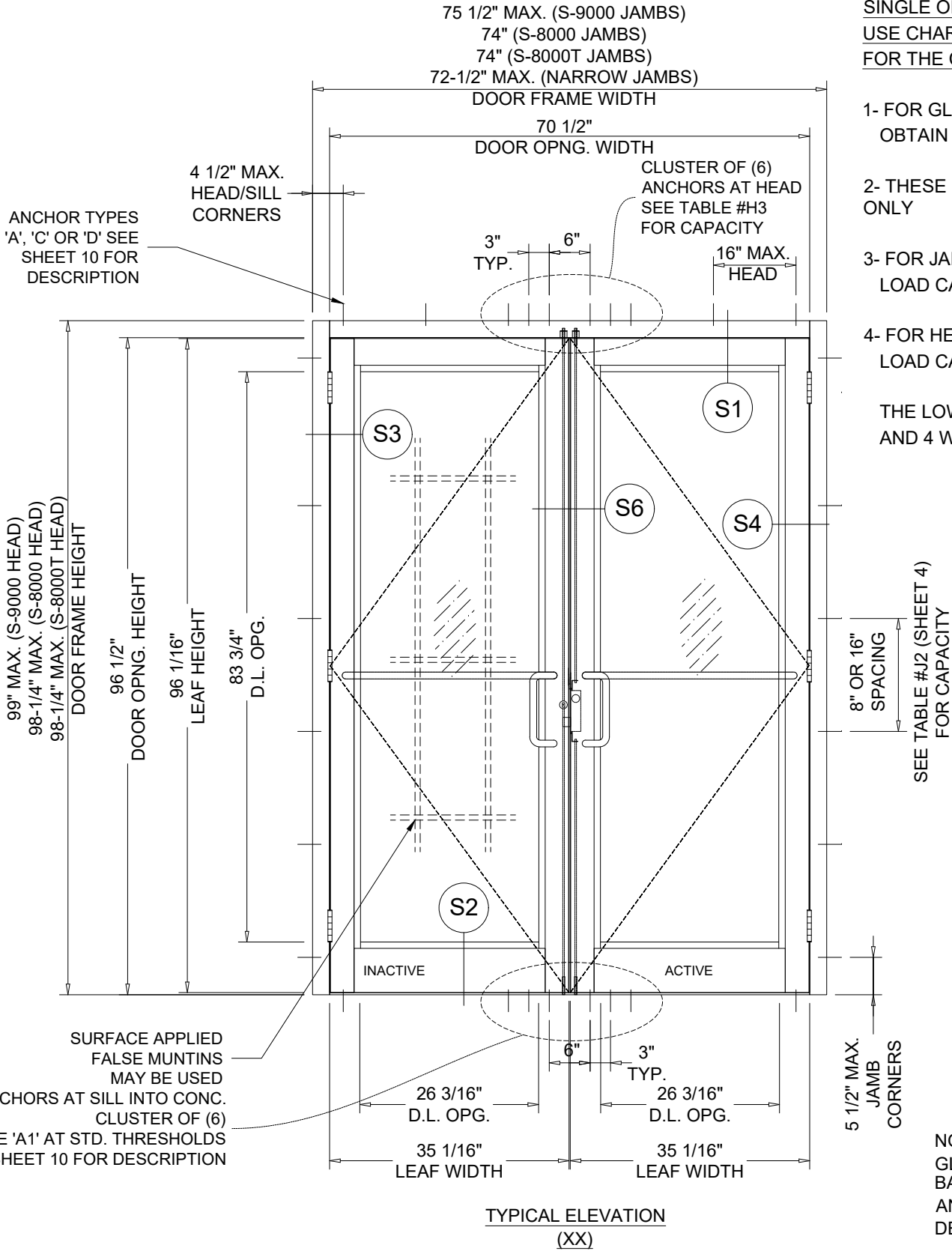


| TABLE #D3        | DOORS LOAD CAPACITY - PSF<br>SINGLE(X) OR DOUBLE(X) DOORS WITHOUT TRANSOM |                   |                           |                   |                   |              |
|------------------|---------------------------------------------------------------------------|-------------------|---------------------------|-------------------|-------------------|--------------|
|                  | SINGLE DOOR (X)<br>DIMS.                                                  |                   | DOUBLE DOOR (XX)<br>DIMS. |                   | GLASS             | LOCKS        |
|                  |                                                                           |                   |                           |                   | TYPE<br>'A.1'     | OPTION<br>#3 |
| DOOR OPNG. WIDTH |                                                                           | DOOR OPNG. HEIGHT | DOOR OPNG. WIDTH          | DOOR OPNG. HEIGHT | EXT. (+) INT. (-) |              |
| 35-1/4"          |                                                                           | 96-1/2"           | 70-1/2"                   | 96-1/2"           | 105.3             |              |

SEE SHEET 7 FOR GLASS TYPES DESCRIPTION  
SEE SHEET 16 FOR LOCK AND HINGES DESCRIPTION

| TABLE #J3        | JAMB ANCHORS LOAD CAPACITY - PSF<br>SINGLE(X) DOUBLE(XX) DOORS WITHOUT TRANSOM |                   |                       |                   |                       |                     |                    |                     |
|------------------|--------------------------------------------------------------------------------|-------------------|-----------------------|-------------------|-----------------------|---------------------|--------------------|---------------------|
|                  | SINGLE DOOR(X) DIMS.                                                           |                   | DOUBLE DOOR(XX) DIMS. |                   | 1/4" SHIM SPACE       |                     | 3/8" SHIM SPACE    |                     |
|                  |                                                                                |                   |                       |                   | SPACING AT 16" O.C.   | SPACING AT 16" O.C. | SPACING AT 8" O.C. | SPACING AT 16" O.C. |
| DOOR OPNG. WIDTH |                                                                                | DOOR OPNG. HEIGHT | DOOR OPNG. WIDTH      | DOOR OPNG. HEIGHT | ANCHOR 'A', 'C' & 'D' | ANCHOR 'A'          | ANCHOR 'C'         | ANCHOR 'A' & 'C'    |
| 35-1/4"          |                                                                                | 96-1/2"           | 70-1/2"               | 96-1/2"           | EXT. (+) INT. (-)     | EXT. (+) INT. (-)   | EXT. (+) INT. (-)  | EXT. (+) INT. (-)   |
| 105.3            |                                                                                | 82.0              | 105.3                 | 105.3             | 63.8                  | 92.1                | 105.3              |                     |

SEE SHEET 10 FOR ANCHOR DESCRIPTION



| TABLE #H3        | HEAD ANCHORS LOAD CAPACITY - PSF<br>DOUBLE DOOR WITHOUT TRANSOM (XX) |                   |                       |                   |                   |                   |
|------------------|----------------------------------------------------------------------|-------------------|-----------------------|-------------------|-------------------|-------------------|
|                  | DOOR DIMS.                                                           |                   | 1/4" SHIM SPACE       | 3/8" SHIM SPACE   |                   | 1/2" SHIM SPACE   |
|                  |                                                                      |                   | ANCHOR 'A', 'C' & 'D' | ANCHOR 'A'        | ANCHOR 'C'        | ANCHOR 'A'        |
| DOOR OPNG. WIDTH |                                                                      | DOOR OPNG. HEIGHT | EXT. (+) INT. (-)     | EXT. (+) INT. (-) | EXT. (+) INT. (-) | EXT. (+) INT. (-) |
| 70-1/2"          |                                                                      | 96-1/2"           | 105.3                 | 98.9              | 105.3             | 76.9              |

SEE SHEET 10 FOR ANCHOR DESCRIPTION  
SILL ANCHORS DESIGN LOAD CAPACITY ALL SIZES = ±105.3 PSF

SINGLE OR DOUBLE DOORS WITHOUT TRANSOMS  
USE CHARTS AS FOLLOWS  
FOR THE CORRESPONDING DOOR SIZE

1- FOR GLASS TYPE, LOCK AND HINGE OPTIONS  
OBTAIN LOAD CAPACITIES FROM TABLE #D3.

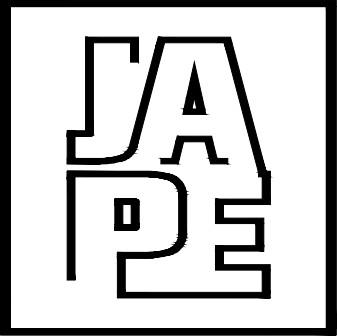
2- THESE DOORS APPROVED WITH STD. THRESHOLD ONLY

3- FOR JAMB ANCHORS TYPE/SHIMSPACE OBTAIN  
LOAD CAPACITIES FROM TABLE #J3.

4- FOR HEAD ANCHORS, TYPE/SHIMSPACE OBTAIN  
LOAD CAPACITIES FROM TABLE #H3.

THE LOWEST VALUES FROM STEPS 1, 2, 3  
AND 4 WILL GOVERN.

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-09 (3 SEC. GUSTS)  
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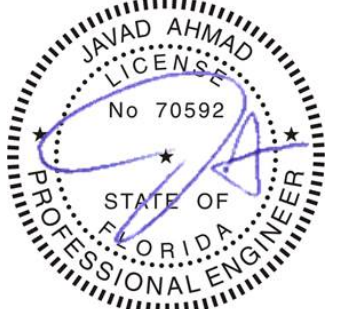
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TYP. ELEVATIONS

SHEET No.  
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SINGLE OR DOUBLE DOORS WITHOUT TRANSOMS

USE CHARTS AS FOLLOWS FOR THE CORRESPONDING DOOR SIZE

1. FOR GLASS TYPE, LOCK AND HINGE OPTIONS OBTAIN LOAD CAPACITIES FROM TABLE #D3.
2. THESE DOORS APPROVED WITH STD. THRESHOLD ONLY
3. FOR JAMB ANCHORS TYPE/SHIMSPACE OBTAIN LOAD CAPACITIES FROM TABLE #J3.
4. FOR HEAD ANCHORS, TYPE/SHIMSPACE OBTAIN LOAD CAPACITIES FROM TABLE #H3. THE LOWEST VALUES FROM STEPS 1, 2, 3 AND 4 WILL GOVERN.

| TABLE #D3       | DOORS LOAD CAPACITY - PSF<br>SINGLE(X) OR DOUBLE(XX) DOORS WITHOUT TRANSOM |                 |                       |                      |           |             |
|-----------------|----------------------------------------------------------------------------|-----------------|-----------------------|----------------------|-----------|-------------|
|                 | SINGLE DOOR (X) DIMS.                                                      |                 | DOUBLE DOOR(XX) DIMS. |                      | GLASS     | LOCKS       |
| TYPE ' F/F.1 '  |                                                                            |                 |                       |                      | OPTION #4 | OPTION #2.1 |
| DOOR OPG. WIDTH | DOOR OPG. HEIGHT                                                           | DOOR OPG. WIDTH | DOOR OPG. HEIGHT      | EXT. (+)<br>INT. (-) |           |             |
| 35-1/4"         | 107-1/2"                                                                   | 75"             | 110"                  | +100.0 / -130.0      |           |             |

SEE SHEET 7 FOR GLASS TYPES DESCRIPTION  
SEE SHEET 16 FOR LOCK AND HINGES DESCRIPTION

| TABLE #J3 | JAMB ANCHORS LOAD CAPACITY - PSF<br>SINGLE(X) DOUBLE(XX) DOORS WITHOUT TRANSOM |     |                  |       |                       |       |                  |      |                      |       |
|-----------|--------------------------------------------------------------------------------|-----|------------------|-------|-----------------------|-------|------------------|------|----------------------|-------|
|           | SINGLE DOOR(X) DIMS.                                                           |     |                  |       | DOUBLE DOOR(XX) DIMS. |       |                  |      |                      |       |
|           | DOOR OPG. WIDTH                                                                |     | DOOR OPG. HEIGHT |       | DOOR OPG. WIDTH       |       | DOOR OPG. HEIGHT |      | EXT. (+)<br>INT. (-) |       |
| 35-1/4"   | 107-1/2"                                                                       | 75" | 110"             | 130.0 | 82.0                  | 105.3 | 130.0            | 63.8 | 92.1                 | 130.0 |

SEE SHEET 10 FOR ANCHOR DESCRIPTION

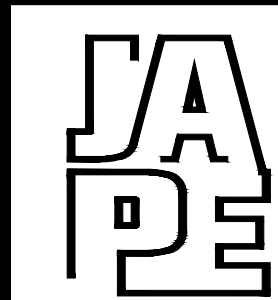
| TABLE #H3 | HEAD ANCHORS LOAD CAPACITY - PSF<br>DOUBLE DOOR WITHOUT TRANSOM (XX) |                  |                       |            |                 |                  |
|-----------|----------------------------------------------------------------------|------------------|-----------------------|------------|-----------------|------------------|
|           | DOOR DIMS.                                                           |                  | 1/4" SHIM SPACE       |            | 3/8" SHIM SPACE |                  |
|           | DOOR OPG. WIDTH                                                      | DOOR OPG. HEIGHT | ANCHOR 'A', 'C' & 'D' | ANCHOR 'A' | ANCHOR 'C'      | ANCHOR 'A' & 'C' |
| 75-1/2"   | 107-1/2"                                                             | 130.0            | 98.9                  | 130.0      | 76.9            | 130.0            |

SEE SHEET 10 FOR ANCHOR DESCRIPTION  
SILL ANCHORS DESIGN LOAD CAPACITY ALL SIZES = ±130.0 PSF

ANCHORS AT SILL INTO CONC. CLUSTER OF (6) TYPE 'A1' AT STD. THRESHOLDS SEE SHEET 10 FOR DESCRIPTION

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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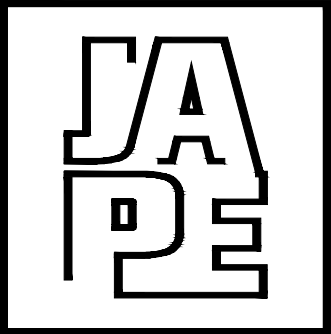
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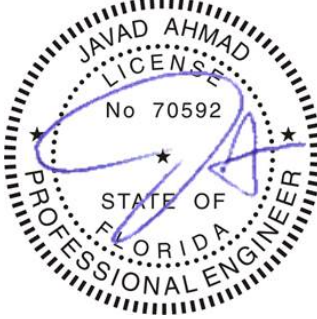
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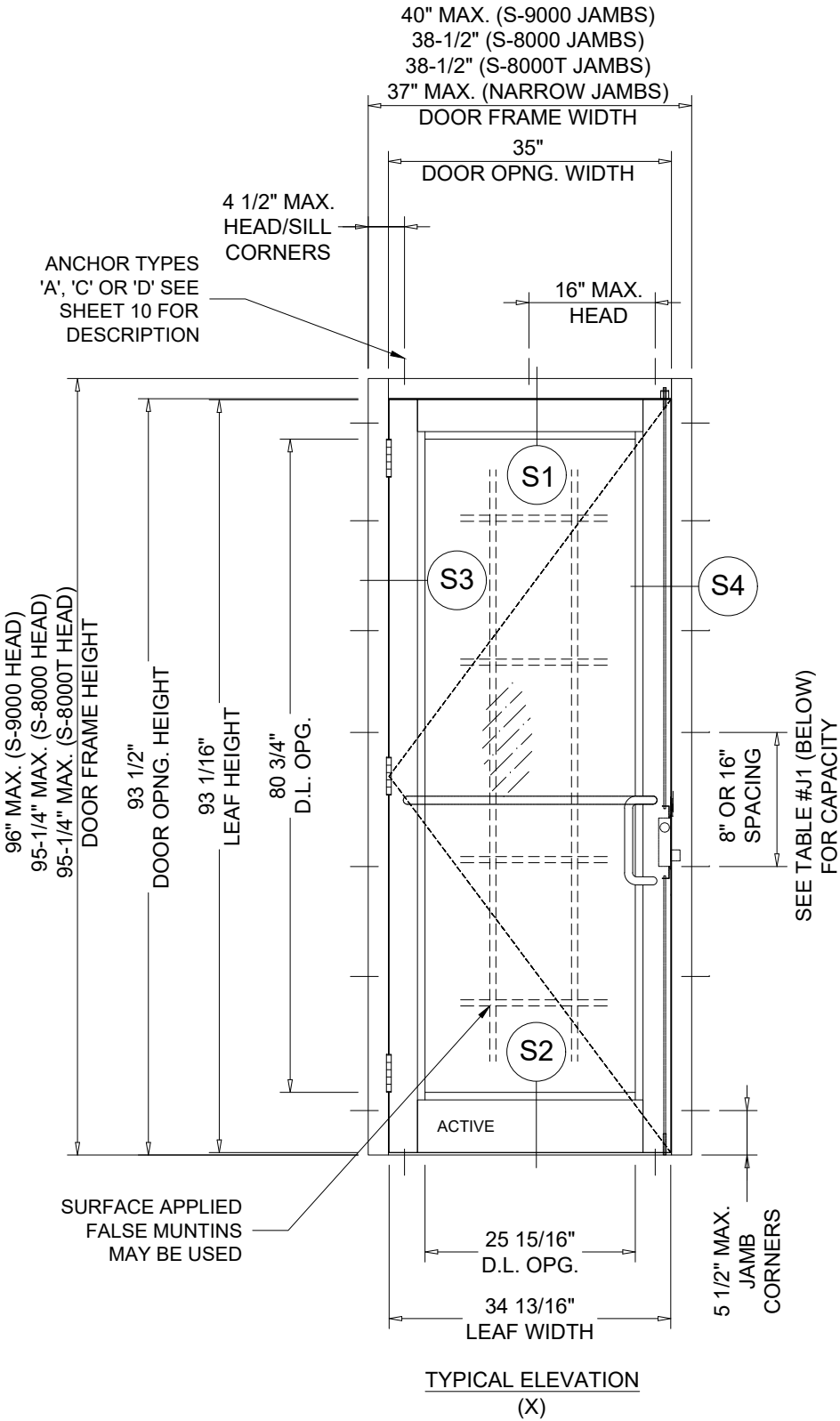
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TYP. ELEVATIONS

SHEET No.  
06 OF 18



NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-09 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
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SINGLE DOORS WITHOUT TRANSOMS  
USE CHARTS AS FOLLOWS  
FOR THE CORRESPONDING DOOR SIZE

- 1- FOR GLASS TYPE, LOCK AND HINGE OPTIONS  
OBTAIN LOAD CAPACITIES FROM TABLE #D4.
- 2- THESE DOORS APPROVED WITH STD. THRESHOLD ONLY
- 3- FOR JAMB ANCHORS TYPE/SHIMSPACE OBTAIN  
LOAD CAPACITIES FROM TABLE #J4.

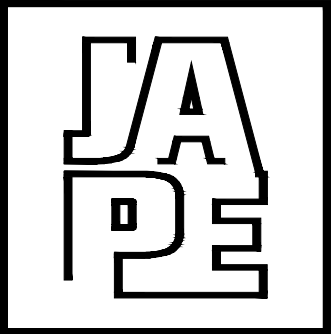
THE LOWEST VALUES FROM STEPS 1 AND 3  
WILL GOVERN.

| TABLE<br>#D4 | DOORS LOAD CAPACITY - PSF<br>SINGLE(X) DOORS WITHOUT TRANSOM |                     |             |             |             |             |             |             |
|--------------|--------------------------------------------------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|
|              | SINGLE DOOR (X) DIMS.                                        |                     | GLASS       |             | LOCKS       |             | HINGES      |             |
|              |                                                              |                     | TYPE 'B.1'  |             | OPTION #3   |             | OPTION #2   |             |
|              | DOOR OPG.<br>WIDTH                                           | DOOR OPG.<br>HEIGHT | EXT.<br>(+) | INT.<br>(-) | EXT.<br>(+) | INT.<br>(-) | EXT.<br>(+) | INT.<br>(-) |
|              | 35"                                                          | 93-1/2"             | 120.0       | 130.0       | 120.0       | 130.0       | 120.0       | 130.0       |

SEE SHEET 7 FOR GLASS TYPES DESCRIPTION  
SEE SHEET 16 FOR LOCK AND HINGES DESCRIPTION

| TABLE<br>#J4            |                        | JAMB ANCHORS LOAD CAPACITY - PSF<br>SINGLE(X) DOORS WITHOUT TRANSOM |                      |                      |                          |                      |                      |                      |                      |                      |                      |                      |  |
|-------------------------|------------------------|---------------------------------------------------------------------|----------------------|----------------------|--------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--|
| SINGLE<br>DOOR(X) DIMS. |                        | 1/4" SHIM SPACE                                                     |                      |                      |                          | 3/8" SHIM SPACE      |                      |                      |                      | 1/2" SHIM SPACE      |                      |                      |  |
|                         |                        | SPACING AT 16" O.C.                                                 |                      |                      | AT 8" O.C.               | AT 16" O.C.          |                      | AT 8" O.C.           | AT 16" O.C.          |                      | AT 8" O.C.           |                      |  |
|                         |                        | ANCHOR<br>'A'                                                       | ANCHOR<br>'C'        | ANCHOR<br>'D'        | ANCHOR<br>'A', 'C' & 'D' | ANCHOR<br>'A'        | ANCHOR<br>R 'C'      | ANCHOR<br>'A' & 'C'  | ANCHOR<br>R 'A'      | ANCHOR<br>R 'C'      | ANCHOR<br>'A'        | ANCHOR<br>'C'        |  |
| DOOR<br>OPG.<br>WIDTH   | DOOR<br>OPG.<br>HEIGHT | EXT. (+)<br>INT. (-)                                                | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-)     | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) |  |
| 35"                     | 93-1/2"                | 112.5                                                               | 130.0                | 130.0                | 130.0                    | 82.5                 | 117.5                | 130.0                | 64.2                 | 92.7                 | 128.3                | 130.0                |  |

SEE SHEET 10 FOR ANCHOR DESCRIPTION



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PROJECT :

SERIES ES-9000  
ALUMINUM OUTSWING  
ENTRANCE DOOR  
(L.M.I. & S.M.I.)

CLIENT :

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| check by:   |      |            |             |
| Drawing no. |      | JA-1595-26 |             |

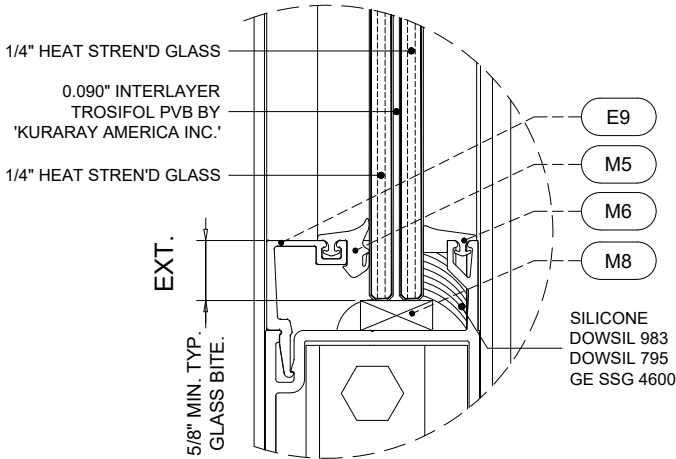
Eng: JAVAD AHMAD, PE  
CIVIL FLA. PE # 70592 – C.A.N. 34254



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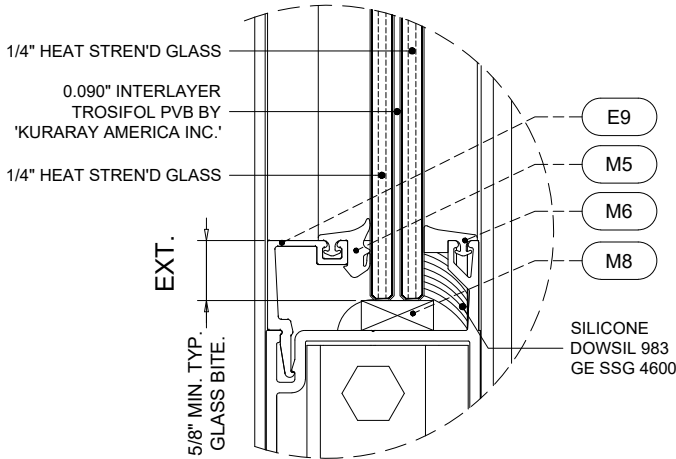
GLASS OPTIONS

SHEET No.  
7.1 OF 18



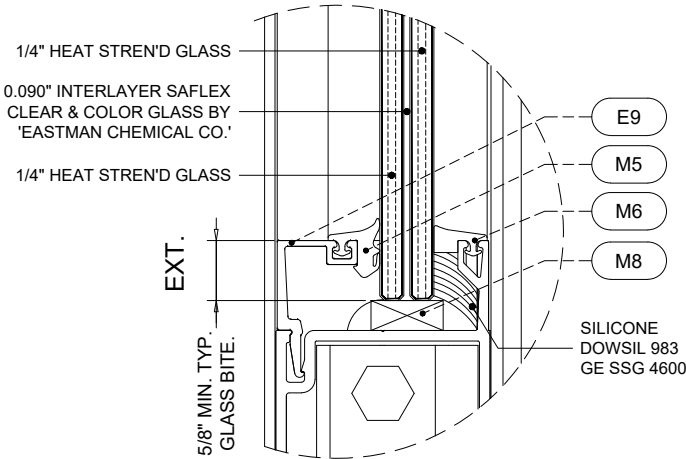
GLASS TYPE 'A'

9/16" OVERALL LAM. GLASS



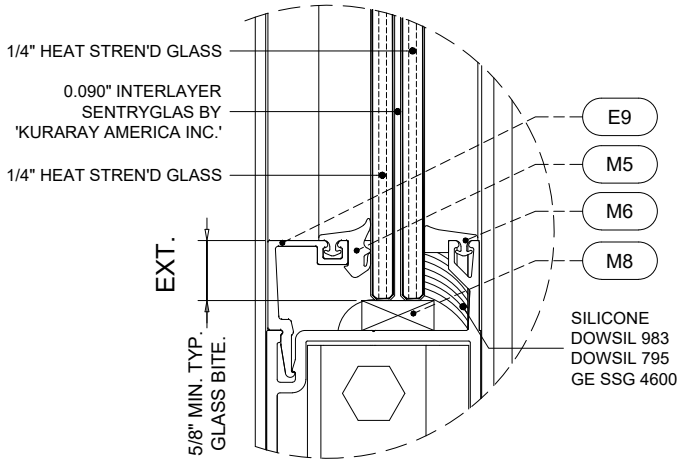
GLASS TYPE 'A.1'

9/16" OVERALL LAM. GLASS



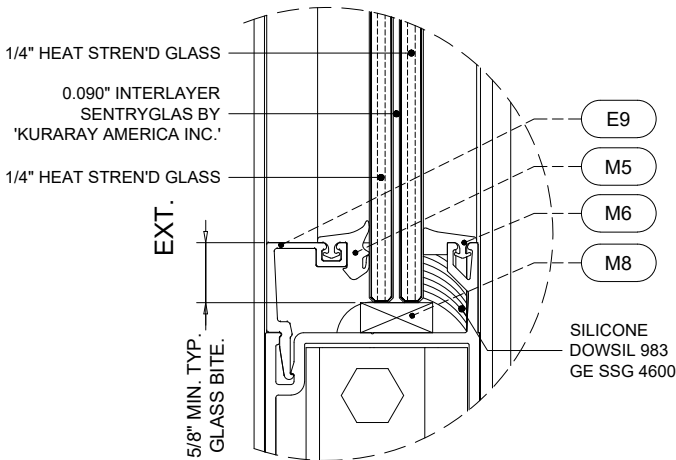
GLASS TYPE 'A.2'

9/16" OVERALL LAM. GLASS



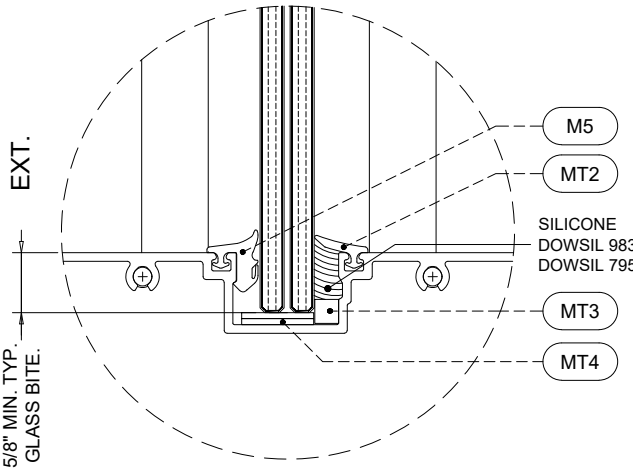
GLASS TYPE 'B'

9/16" OVERALL LAM. GLASS



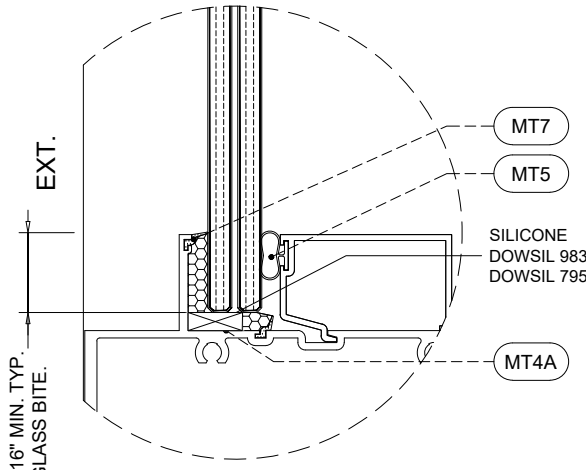
GLASS TYPE 'B.1'

9/16" OVERALL LAM. GLASS



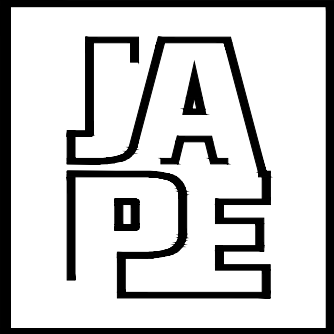
GLASS TYPE A , A.1, A.2 , B & B.1

GLAZING DETAIL S-9500 TRANSOM



GLASS TYPE A , A.1, A.2 , B & B.1

GLAZING DETAIL S-8000 TRANSOM



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scale: N/A

drawn by: M.S.

check by:

Drawing no. JA-1595-26

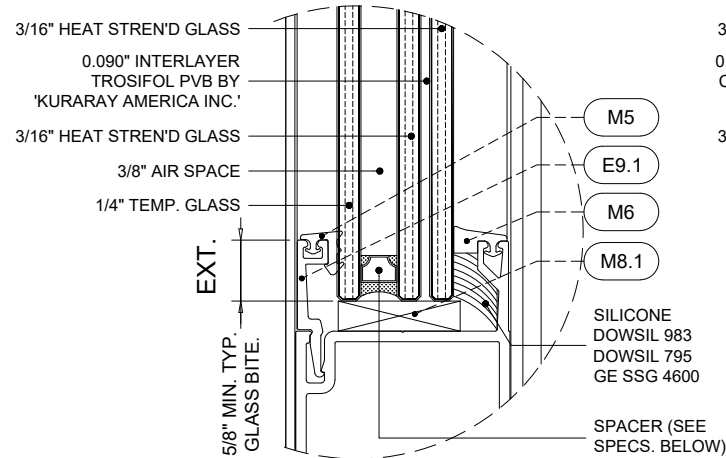
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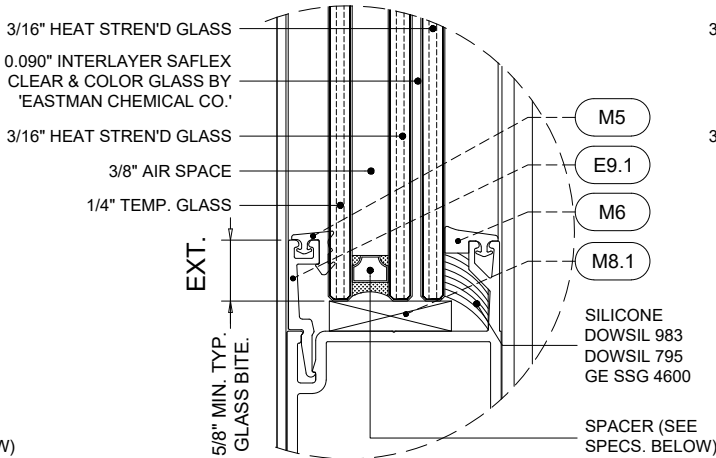
GLASS OPTIONS

SHEET No.  
7.2 OF 18



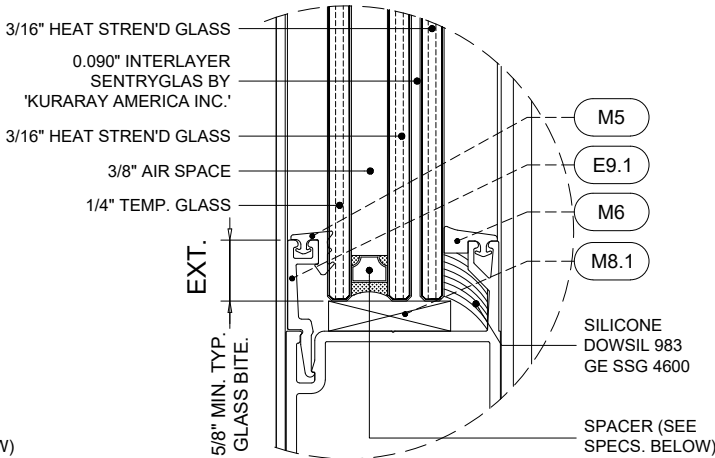
GLASS TYPE 'C'

1–1/8" OVERALL INSUL. LAM. GLASS



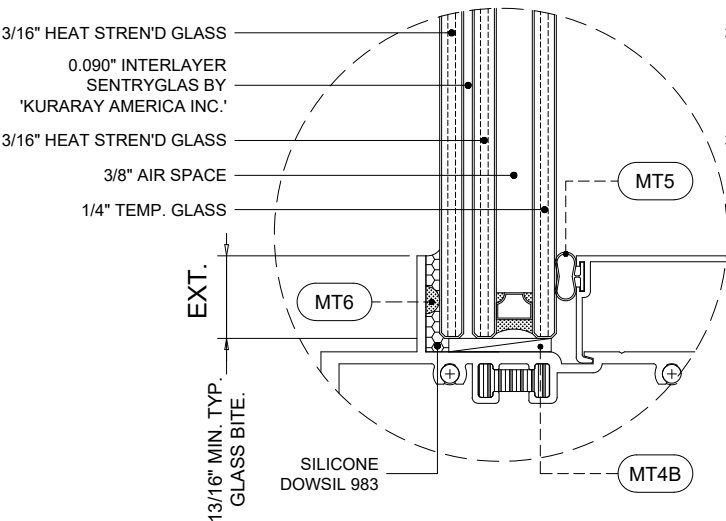
GLASS TYPE 'C.1'

1–1/8" OVERALL INSUL. LAM. GLASS



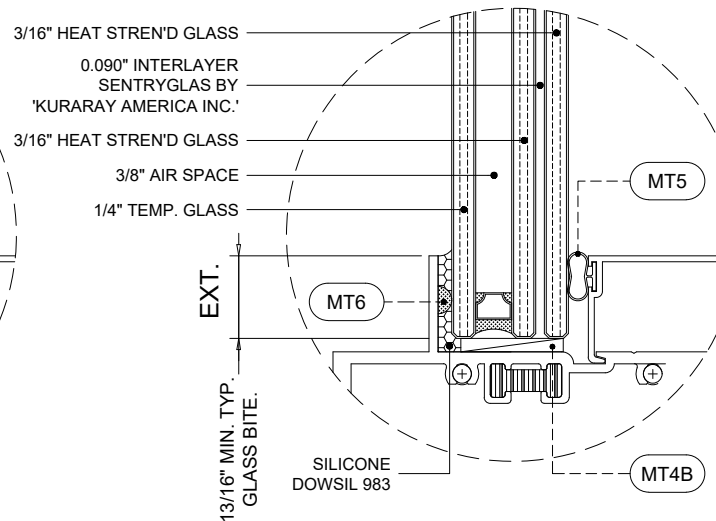
GLASS TYPE 'D'

1–1/8" OVERALL INSUL. LAM. GLASS



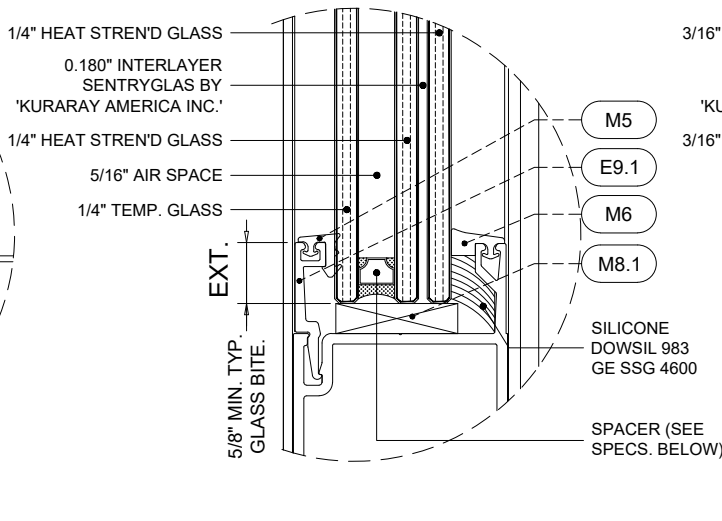
GLASS TYPE 'E'

1–1/4" OVERALL INSUL. LAM. GLASS  
GLAZING DETAIL S–8000T TRANSOM



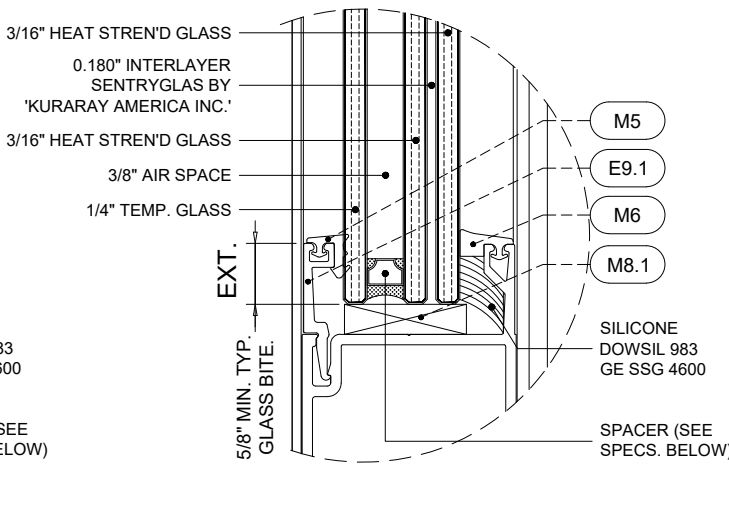
GLASS TYPE 'E-R'

1–1/4" OVERALL INSUL. LAM. GLASS  
GLAZING DETAIL S–8000T TRANSOM



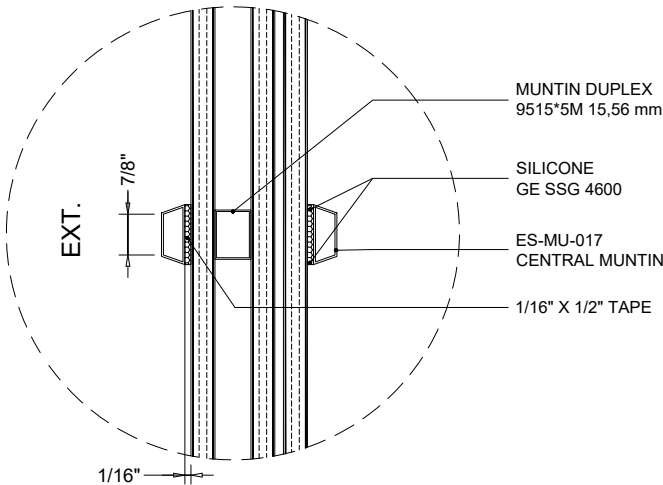
GLASS TYPE 'F'

1–1/8" OVERALL INSUL. LAM. GLASS  
APPROVED FOR LEVEL–E



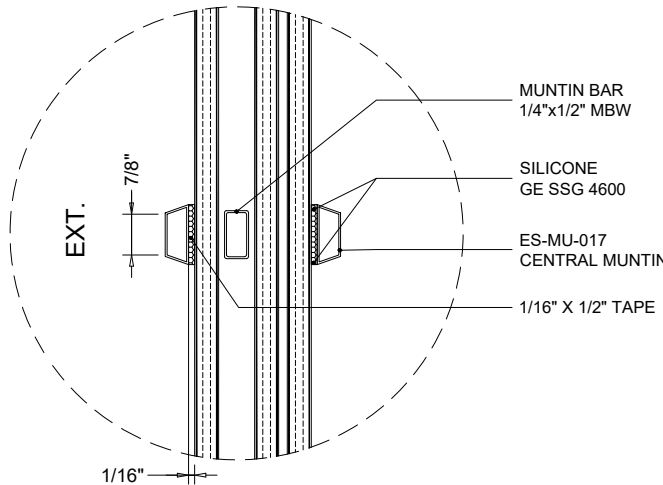
GLASS TYPE 'F.1'

1–1/8" OVERALL INSUL. LAM. GLASS  
APPROVED FOR LEVEL–E



ALUMINUM MUNTINS

OPTIONAL



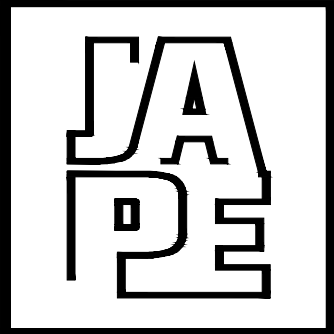
ALUMINUM MUNTINS

OPTIONAL

3/8" AIR SPACE CONSISTING OF:

SPACER  
'HELIMA' LOW PROFILE ALUMINUM SPACER  
'BY LINGERMANN GMBH'  
AROUND THE PERIMETER OF THE GLASS.

PERIMETER SEALANT:  
SILICONE  
DOWSIL 791  
GE 2000



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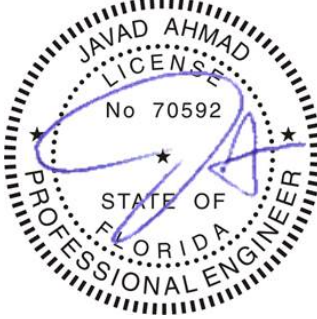
scale: N/A

drawn by: M.S.

check by:

Drawing no. JA-1595-26

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OH PROTECTION

SHEET No.  
7.3 OF 18

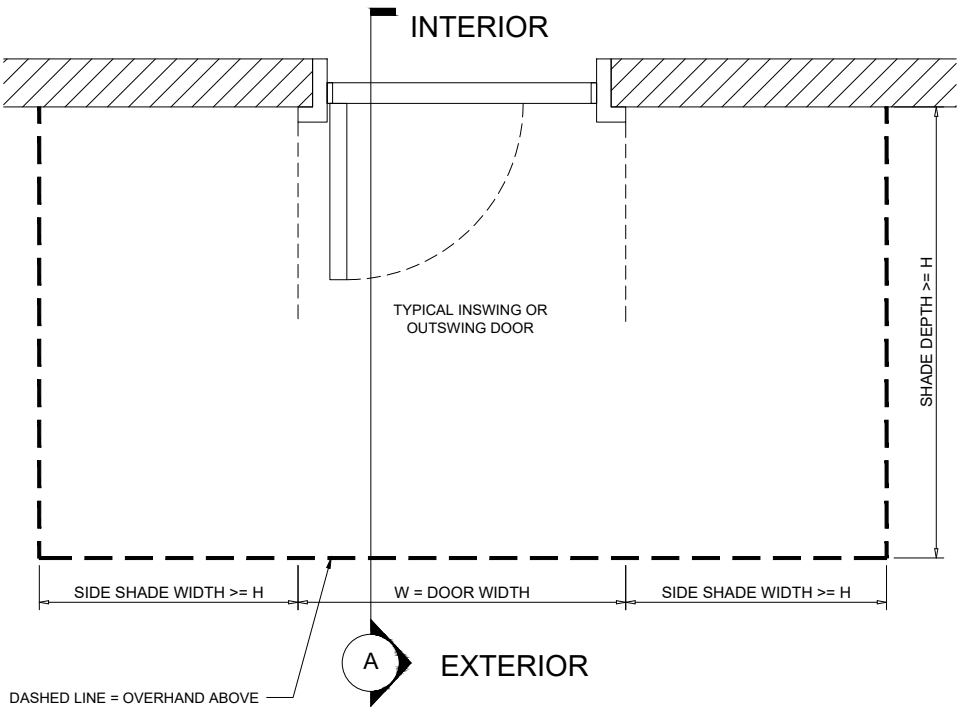
### OVERHANG PROTECTION

WHERE OVERHANG PROTECTION IS REQUIRED BY THIS APPROVAL, PROVIDE AN OVERHANG RATIO OF OH LENGTH / OH HEIGHT  $\geq 1.0$ . OH HEIGHT IS THE VERTICAL DISTANCE FROM THE DOOR SILL TO THE UNDERSIDE OF THE OVERHANG. OH LENGTH IS THE HORIZONTAL PROJECTION FROM THE EXTERIOR DOOR SURFACE.

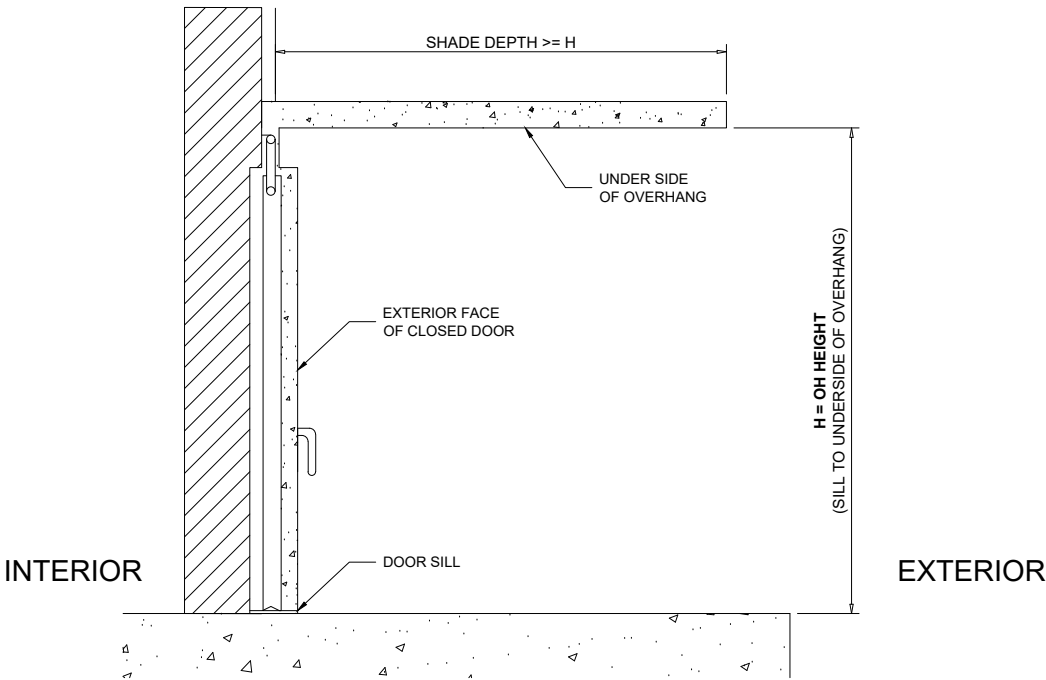
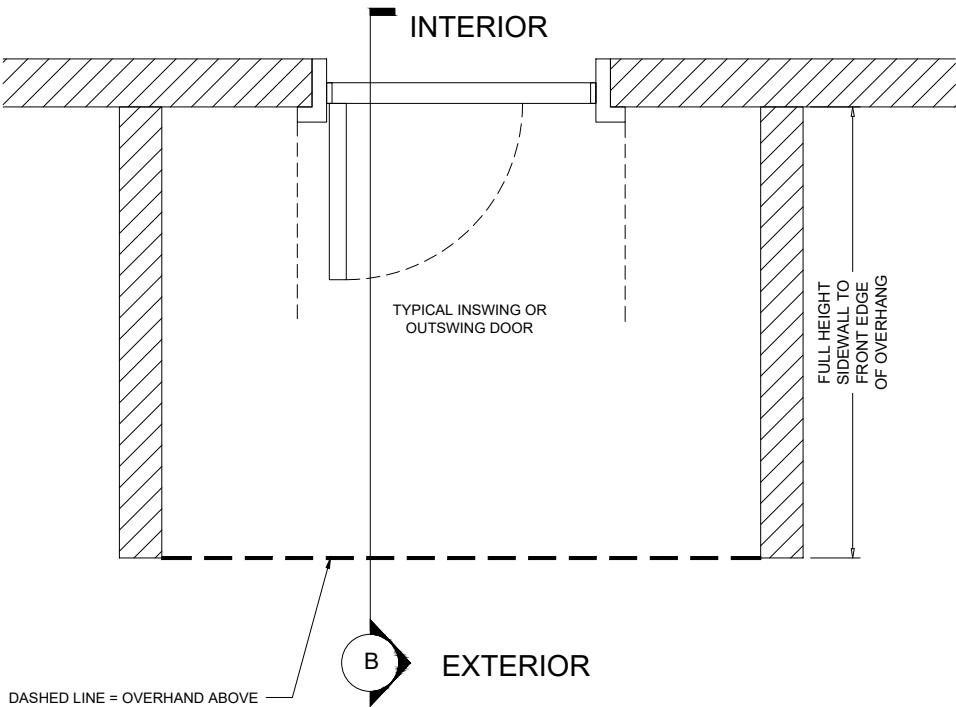
FOR OPEN-SIDED INSTALLATIONS, THE OVERHANG SHALL COVER THE PROTECTIVE ENVELOPE SHOWN IN FIGURE A. FOR A RECTANGULAR OVERHANG, PROVIDE A MINIMUM OUTWARD PROJECTION EQUAL TO OH HEIGHT AND A MINIMUM LATERAL EXTENSION EQUAL TO OH HEIGHT BEYOND EACH SIDE JAMB.

WHERE FULL-HEIGHT SIDEWALLS ARE PROVIDED ON BOTH SIDES OF THE DOOR, EXTENDING TO THE UNDERSIDE AND FRONT EDGE OF THE OVERHANG, THE OVERHANG SHALL SPAN BETWEEN THE SIDEWALLS AND PROJECT OUTWARD NOT LESS THAN OH HEIGHT, CONSISTENT WITH FIGURE B. OVERHANG GEOMETRY SHALL CONFORM TO FIGURES A AND B OF FBC–BUILDING, 9TH EDITION (2026), SECTIONS 1709.5.1 AND 2411.3.2.1, AS APPLICABLE.

PLAN VIEW (OVERHANG ABOVE)

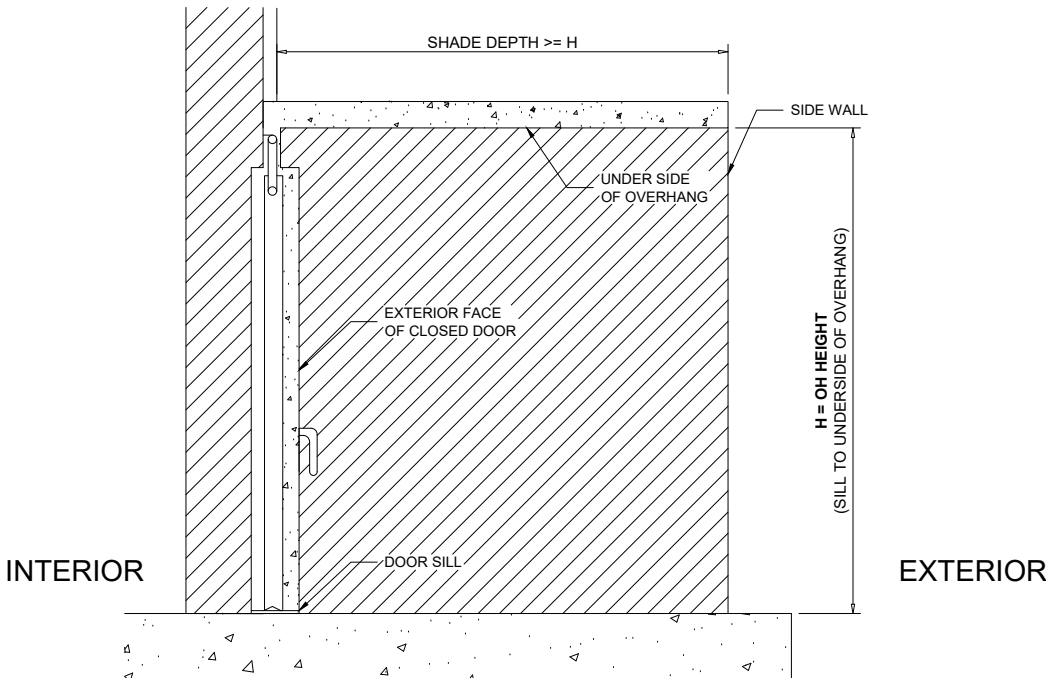


PLAN VIEW (OVERHANG ABOVE)



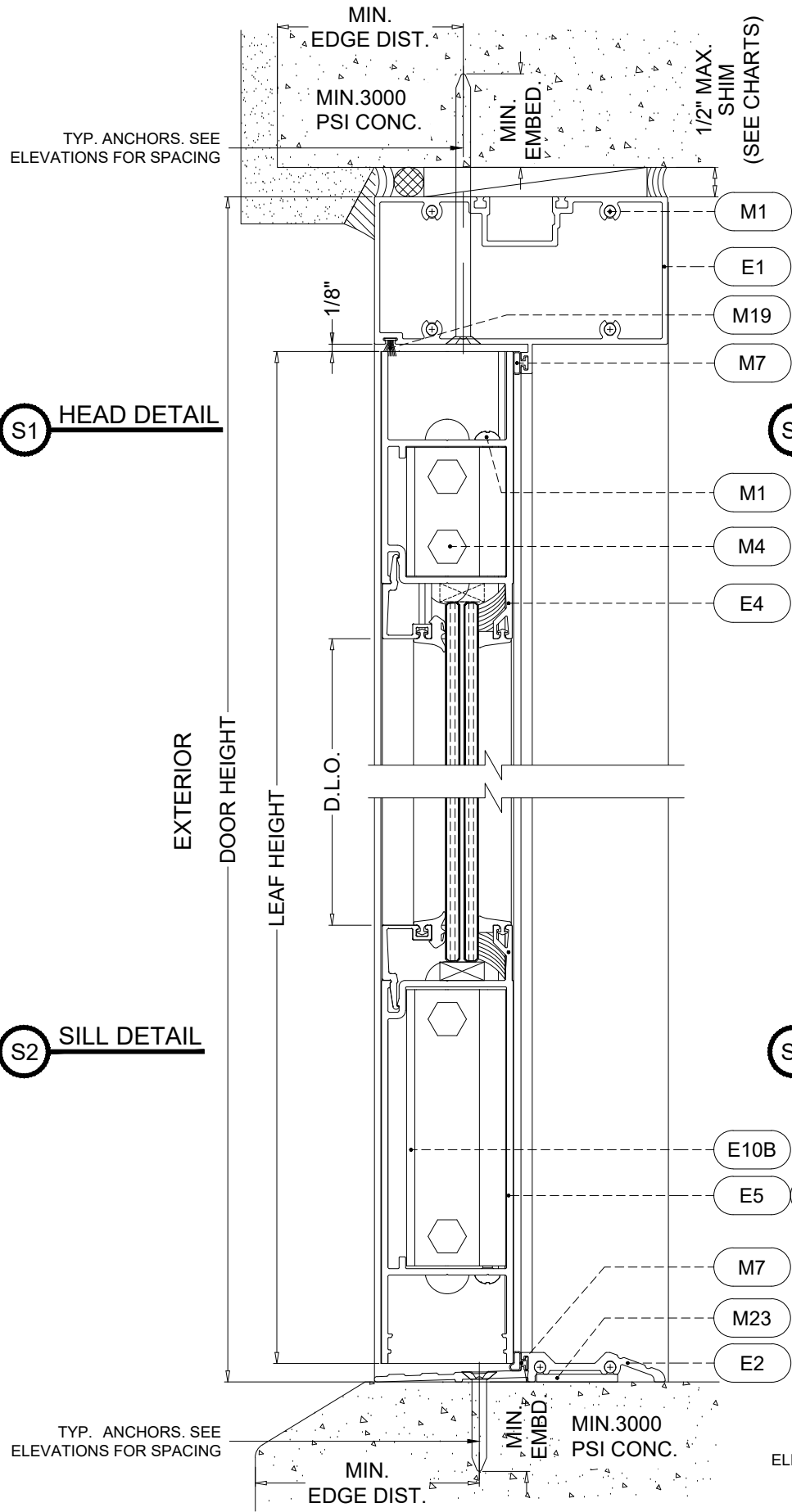
SECTION THROUGH DOOR

OPEN SIDED RECTANGULAR OVERHANG

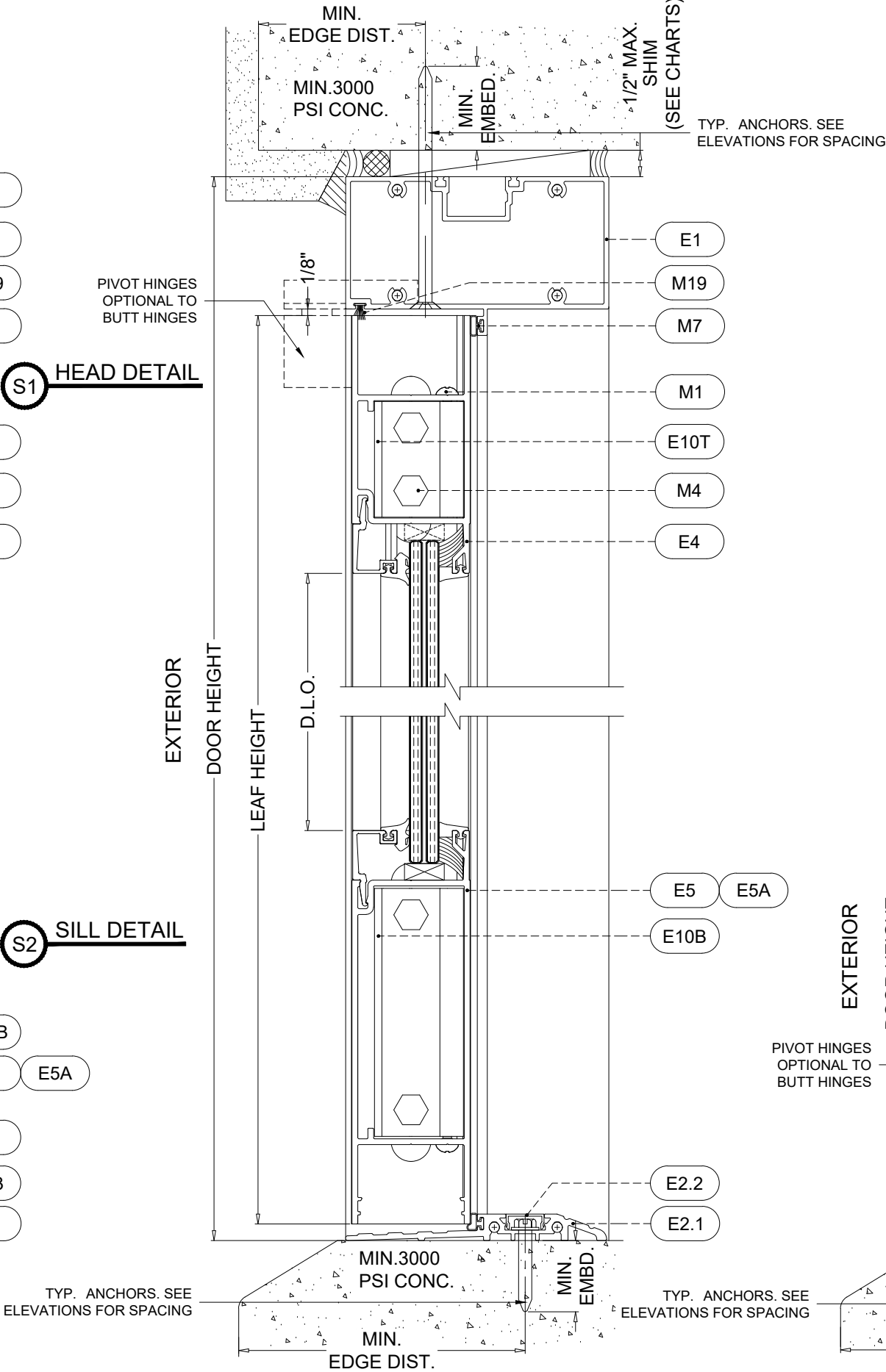


SECTION THROUGH DOOR

FULL-HEIGHT SIDEWALLS

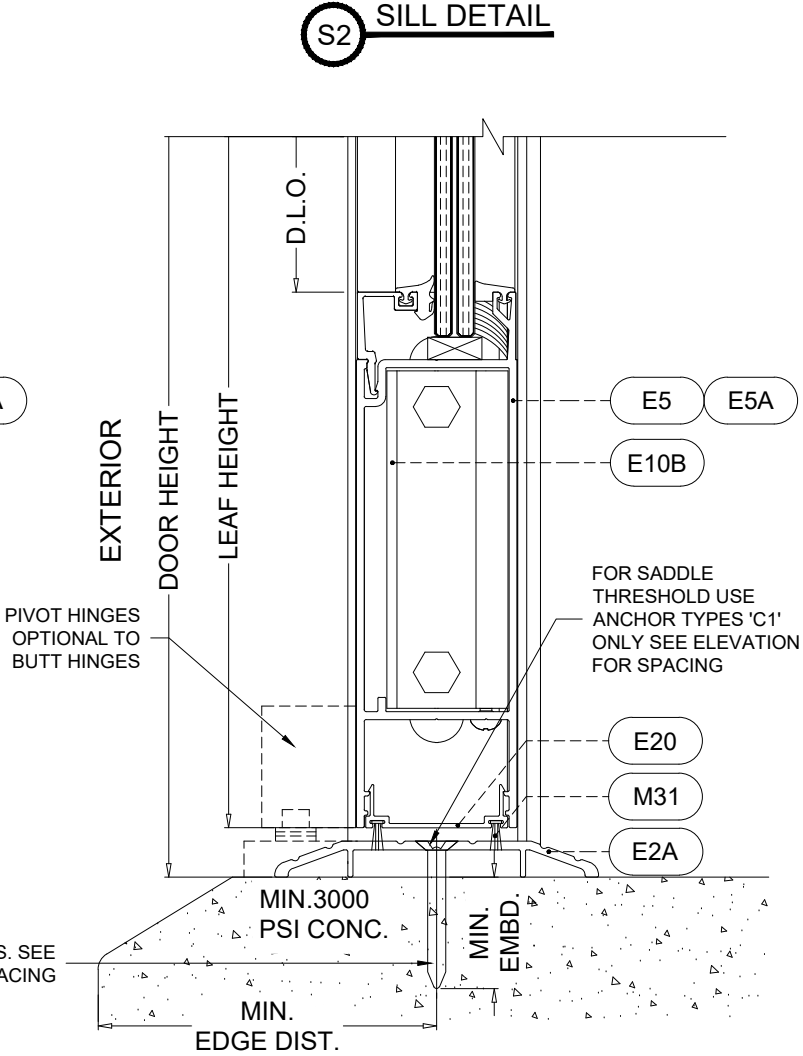


STANDARD THRESHOLD  
NOT APPROVED FOR WATER  
INFILTRATION RESISTANCE  
(SEE SHEETS 2, 4, 5 & 6)

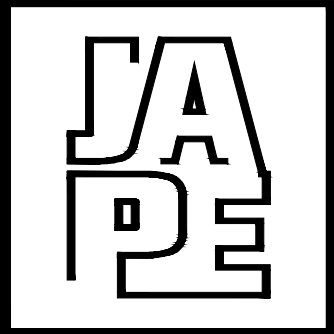


STANDARD THRESHOLD  
NOT APPROVED FOR WATER  
INFILTRATION RESISTANCE  
(SEE SHEETS 2, 4, 5 & 6)

DOOR SHOWN WITH SERIES ES-9500 FRAMES.  
CAN ALSO BE USED WITH ES-8000 & ES-8000-T FRAMES.



SADDLE THRESHOLD  
NOT APPROVED FOR WATER  
INFILTRATION RESISTANCE  
LIMIT MAX. LOADS TO ±80 PSF



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| drawn by:   | M.S.       |
| check by:   |            |
| Drawing no. | JA-1595-26 |

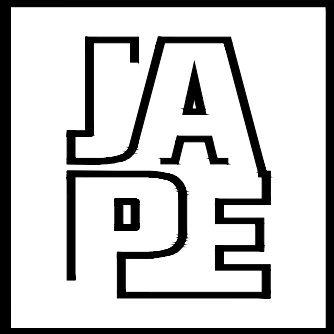
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SEC. DETAILS

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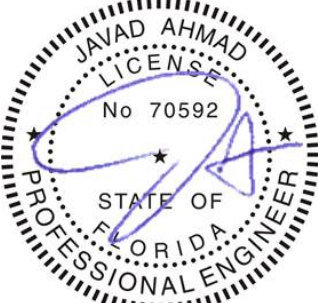


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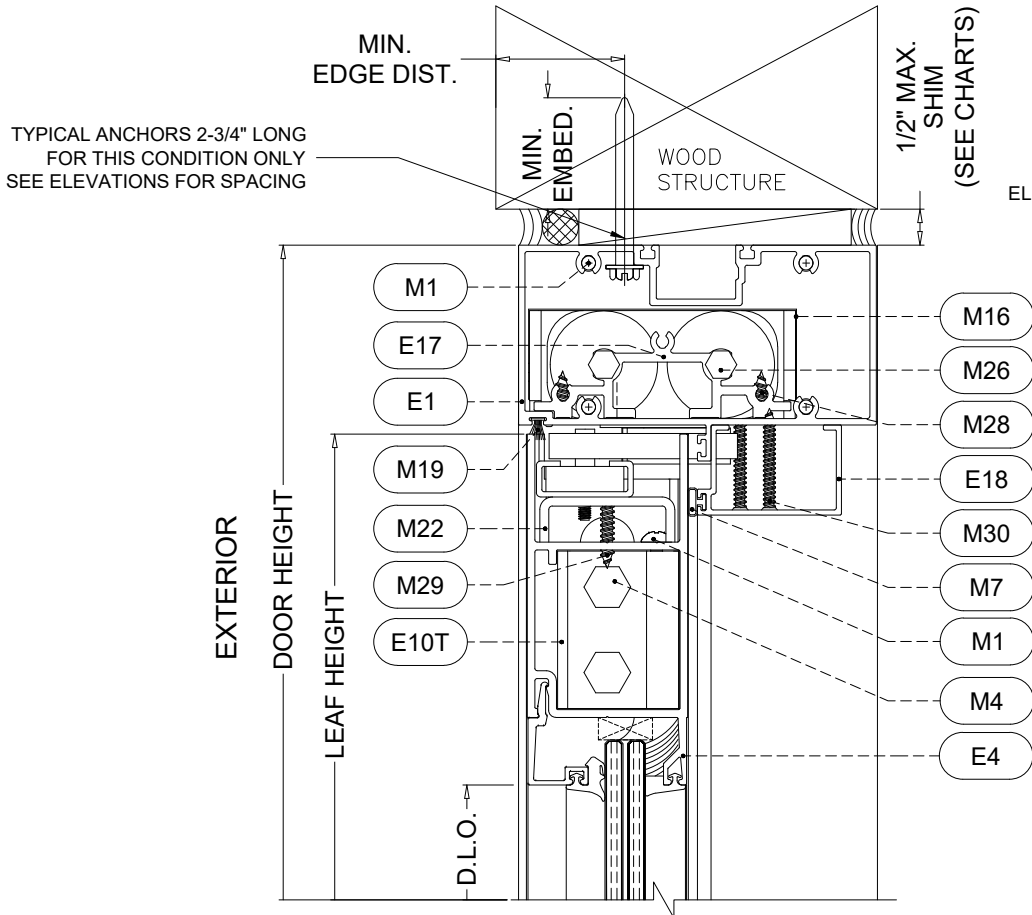
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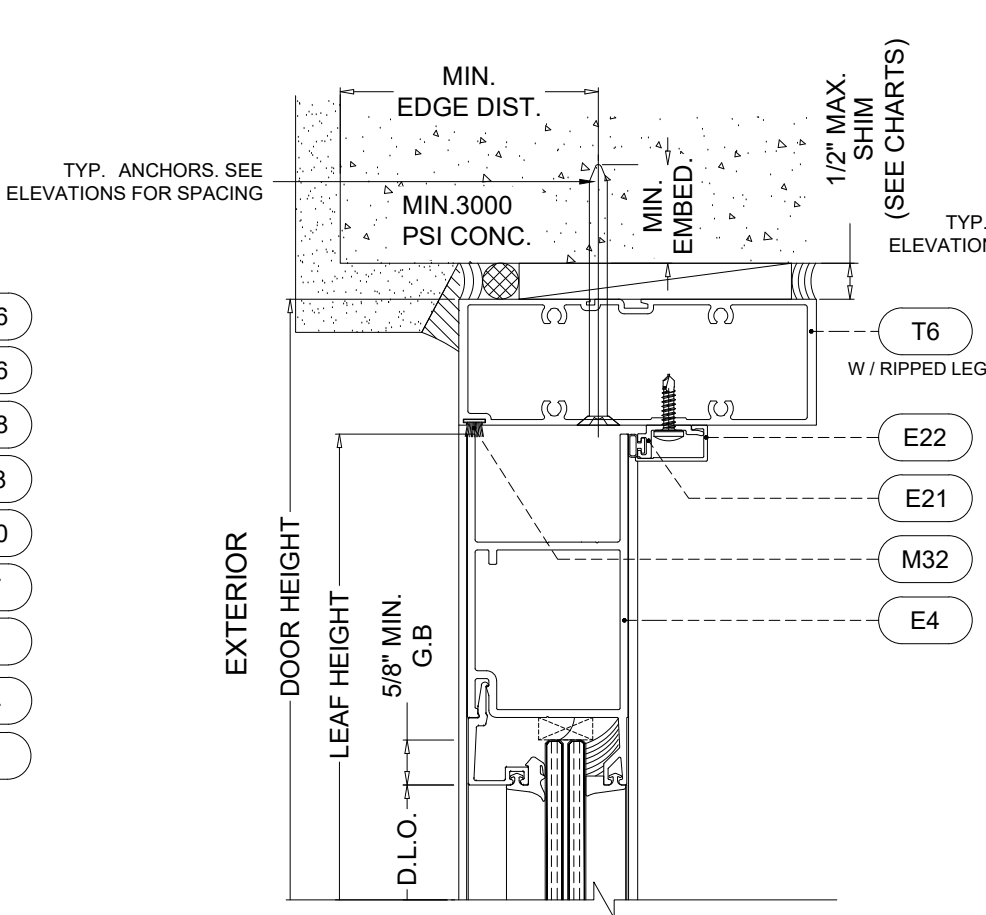
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SEC. DETAILS

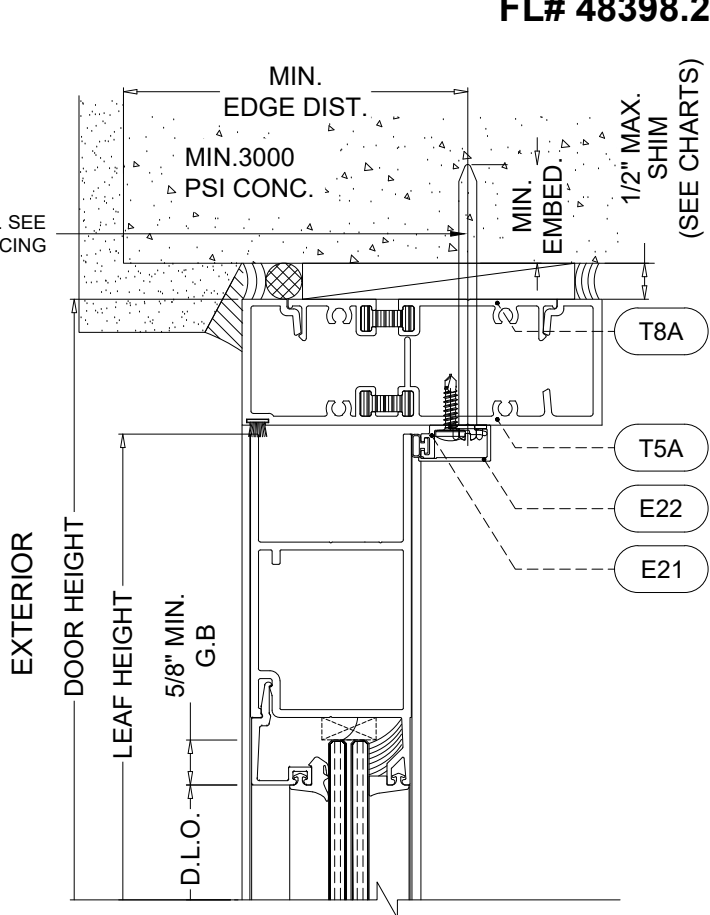
SHEET No.  
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S1 DOOR CLOSERS  
(OPTIONAL)

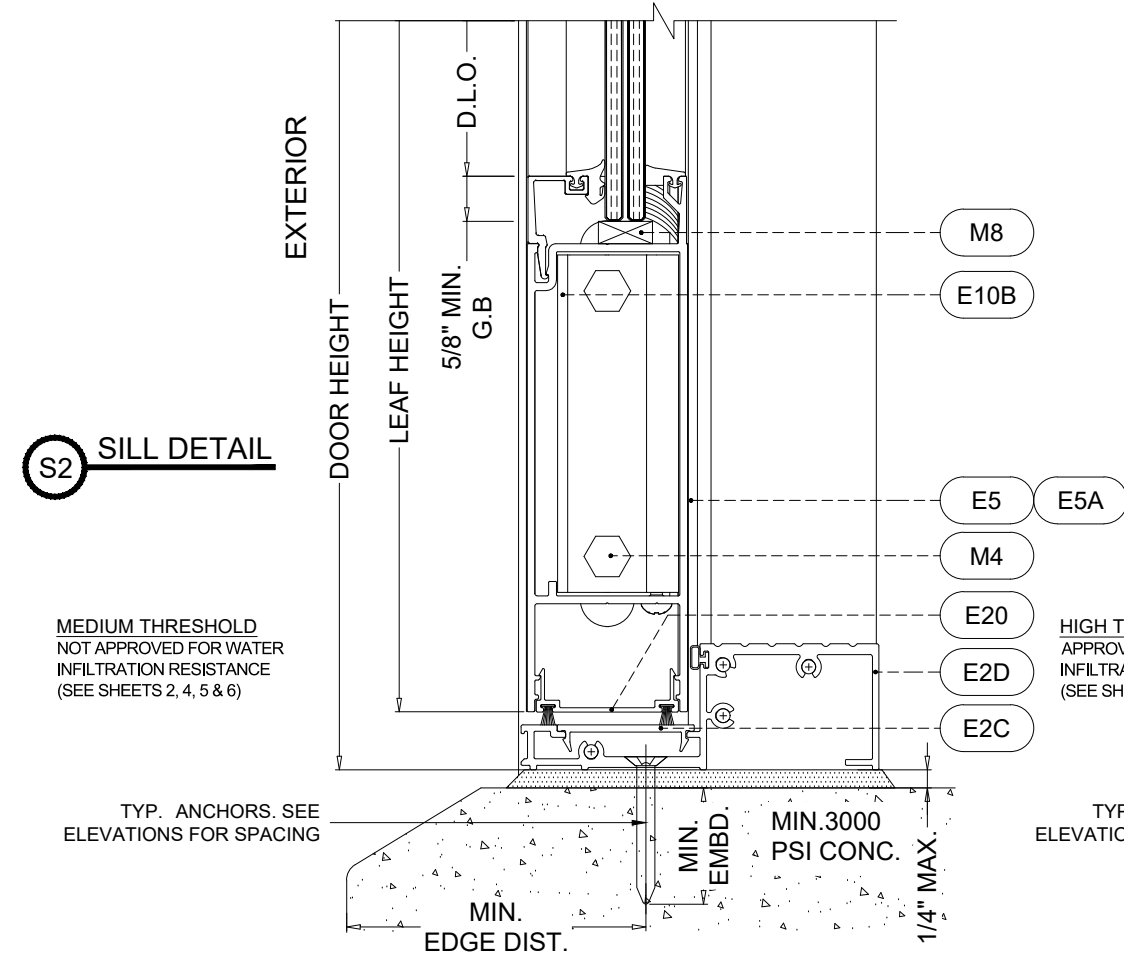


S1 DOOR HEAD (ALTERNATE)  
SERIES - 8000 FRAME (OPT.)



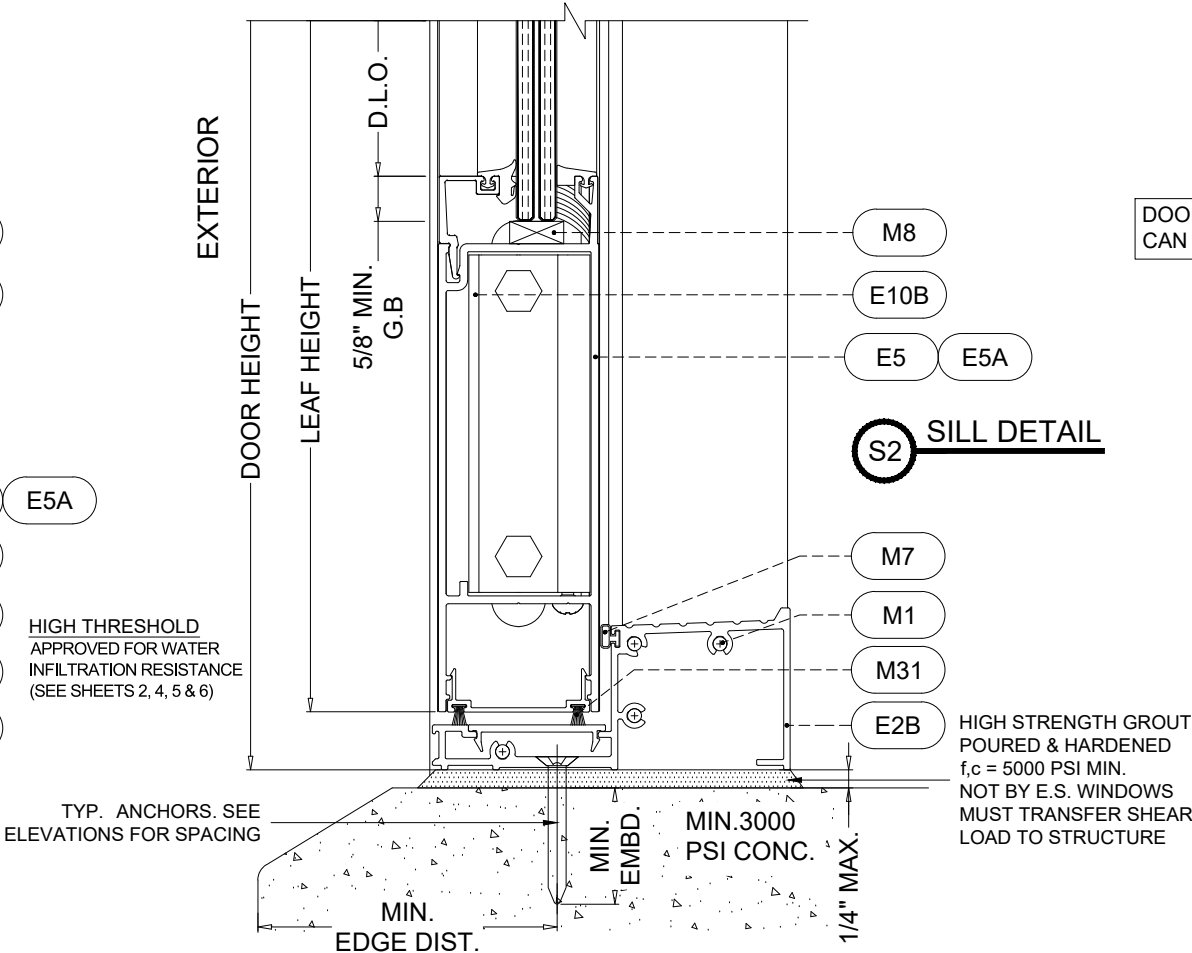
S1 DOOR HEAD (ALTERNATE)  
SERIES - 8000T FRAME (OPT.)

DOOR SHOWN WITH SERIES ES-9500 FRAMES.  
CAN ALSO BE USED WITH ES-8000 & ES-8000-T FRAMES.



S2 SILL DETAIL

MEDIUM THRESHOLD  
NOT APPROVED FOR WATER  
INFILTRATION RESISTANCE  
(SEE SHEETS 2, 4, 5 & 6)



S2 SILL DETAIL

HIGH STRENGTH GROUT  
POURED & HARDENED  
f<sub>c</sub> = 5000 PSI MIN.  
NOT BY E.S. WINDOWS  
MUST TRANSFER SHEAR  
LOAD TO STRUCTURE

TYPICAL SUBSTRATE ANCHORS:

- A

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

THRU 1BY OR 2BY WOOD BUCKS INTO CONCRETE OR BLOCKS  
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)  
1-1/4" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS  
2" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)  
2" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES  
INTO CONCRETE AND BLOCKS = 2-1/2" MIN.  
INTO WOOD STRUCTURE = 1" MIN.
- C

**5/16" ULTRACON BY "DEWALT"** (Fu=177 KSI, Fy=155 KSI)

THRU 1BY OR 2BY WOOD BUCKS INTO CONCRETE OR BLOCKS  
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)  
1-1/4" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS  
2" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)  
2" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES  
INTO CONCRETE AND BLOCKS = 3-1/8" MIN.  
INTO WOOD STRUCTURE = 1-1/4" MIN.
- A1

**1/4" 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)

ANCHOR EDGE DISTANCES  
INTO METAL STRUCTURE = 1/2" MIN.

**1/4" X 1-3/4" ULTRACON+ BY "DEWALT"** (Fu=164 KSI, Fy=148 KSI)

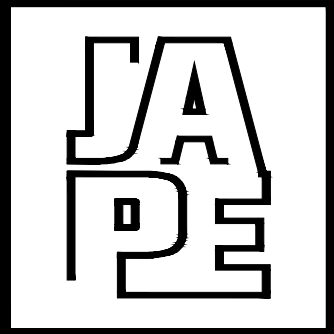
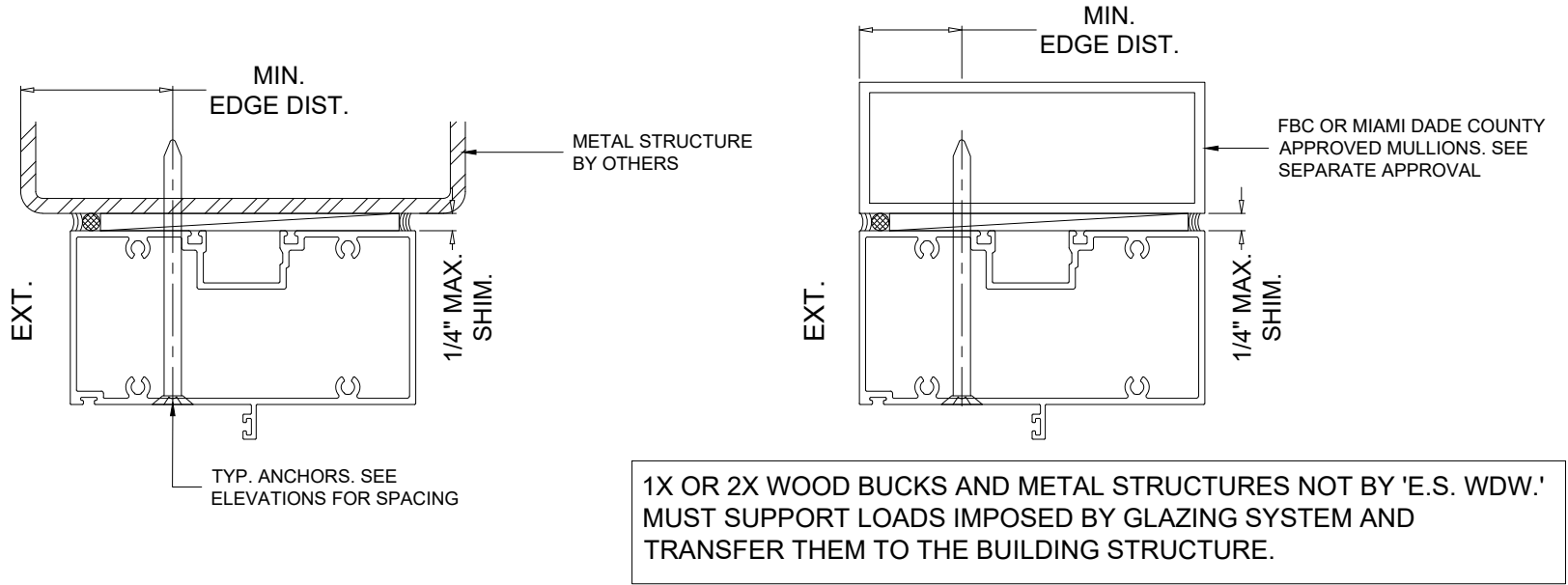
DIRECTLY INTO CONCRETE (FOR STD. AND HIGH THRESHOLD)  
WITH 1-1/2" MIN. EMBED INTO CONCRETE

ANCHOR EDGE DISTANCES  
INTO CONCRETE = 2-1/2" MIN.
- C1

**5/16" X 2" ULTRACON BY "DEWALT"** (Fu=177 KSI, Fy=155 KSI)

DIRECTLY INTO CONCRETE (FOR SADDLE THRESHOLD)  
WITH 1-1/2" MIN. EMBED INTO CONCRETE

ANCHOR EDGE DISTANCES  
INTO CONCRETE = 3-1/8" MIN.



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CLIENT :

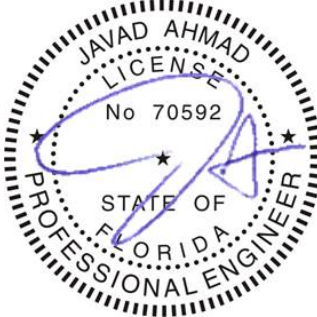


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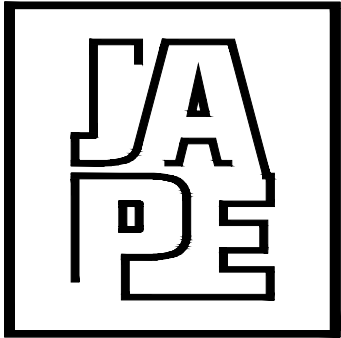
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ANCHOR SPECS.

SHEET No.  
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PROJECT :

SERIES ES-9000  
ALUMINUM OUTSWING  
ENTRANCE DOOR  
(L.M.I. & S.M.I.)

CLIENT :



ES WINDOWS, LLC

3550 NW 49TH STREET  
MIAMI, FL 33142  
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scale: N/A

drawn by: M.S.

check by:

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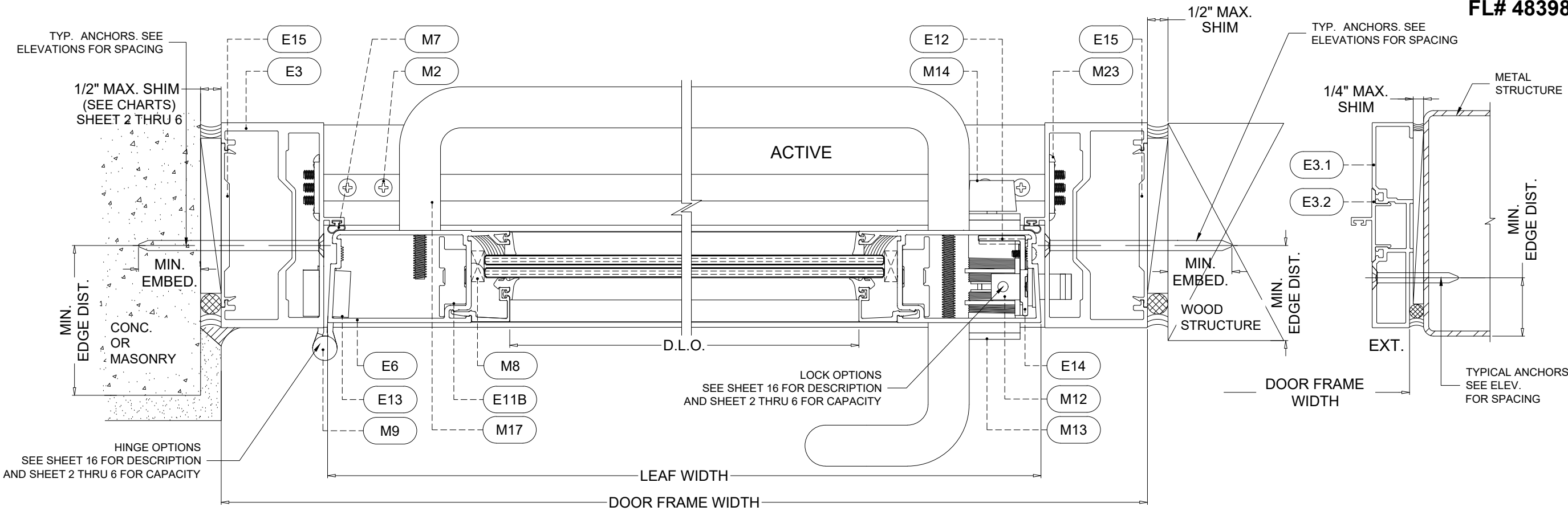
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SEC. DETAILS

SHEET No.  
11 OF 18

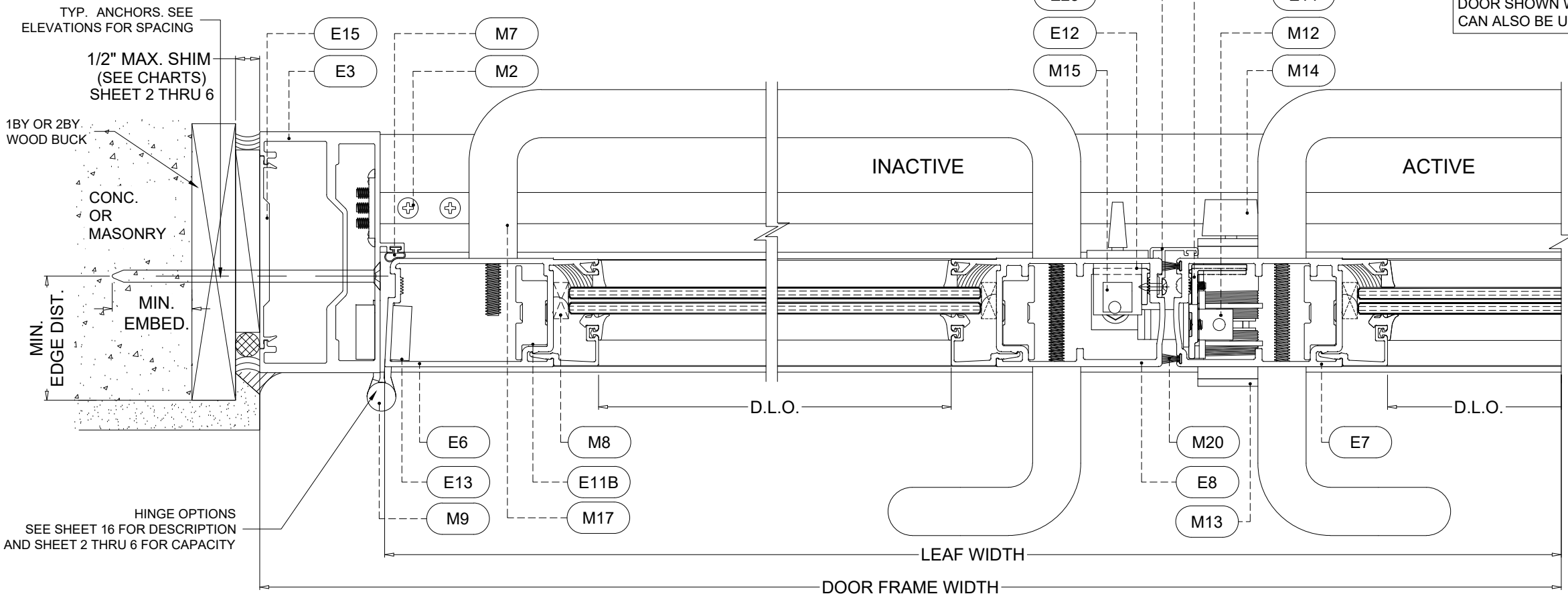


S3 JAMB DETAIL (HINGE )

S4 JAMB DETAIL (HANDLE)

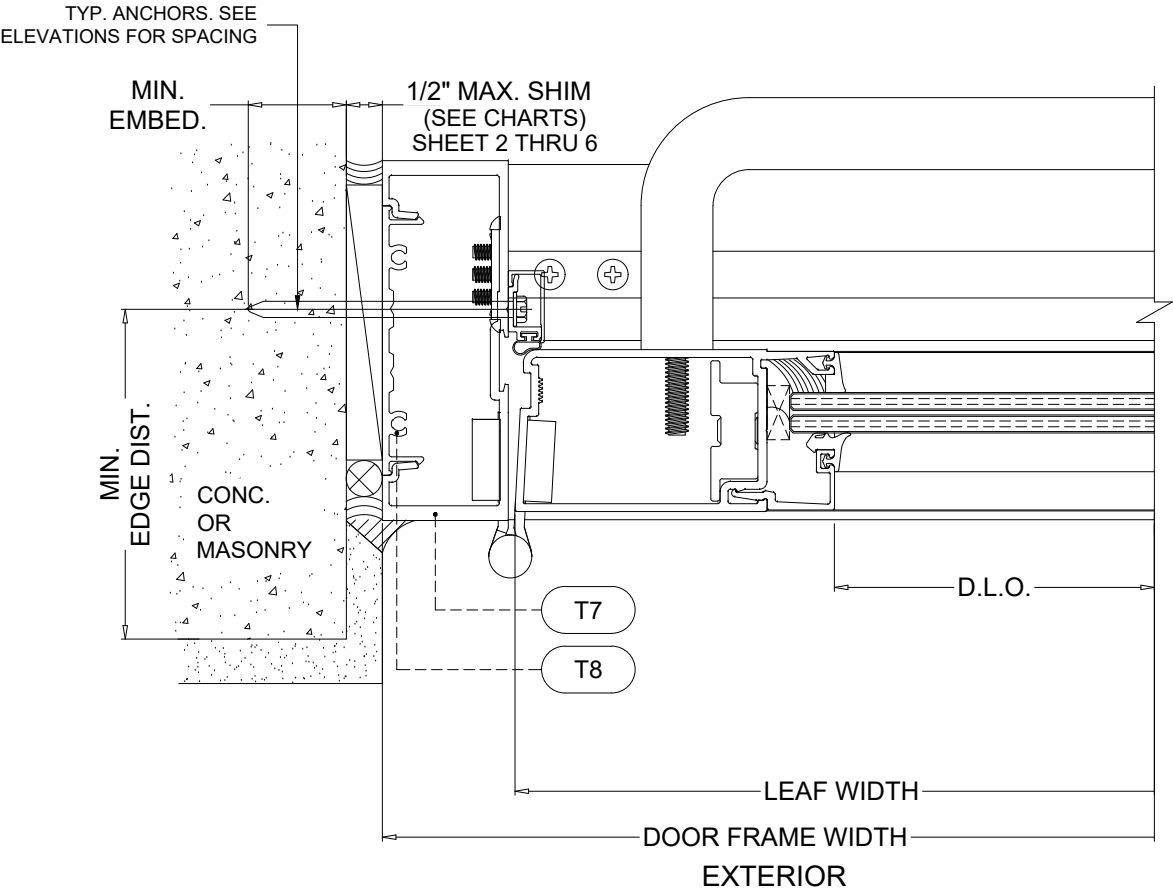
S5 NARROW JAMB (ALTERNATE)

DOOR SHOWN WITH SERIES ES-9500 FRAMES.  
CAN ALSO BE USED WITH ES-8000 & ES-8000-T FRAMES.

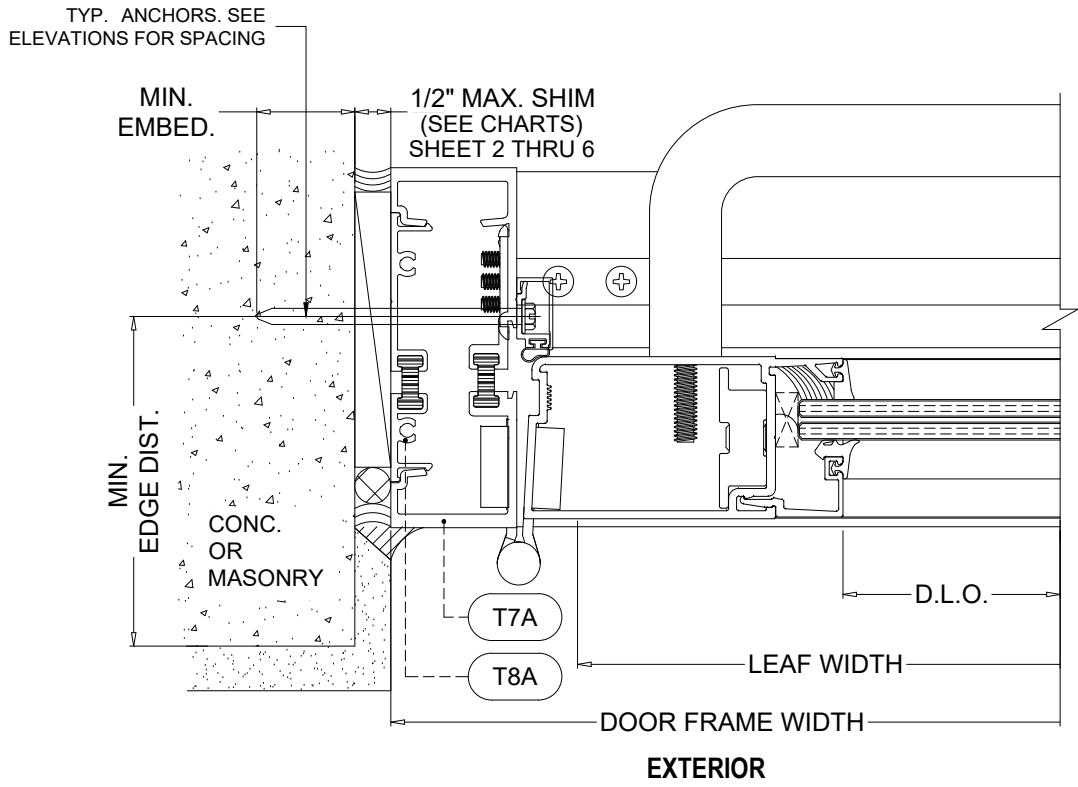


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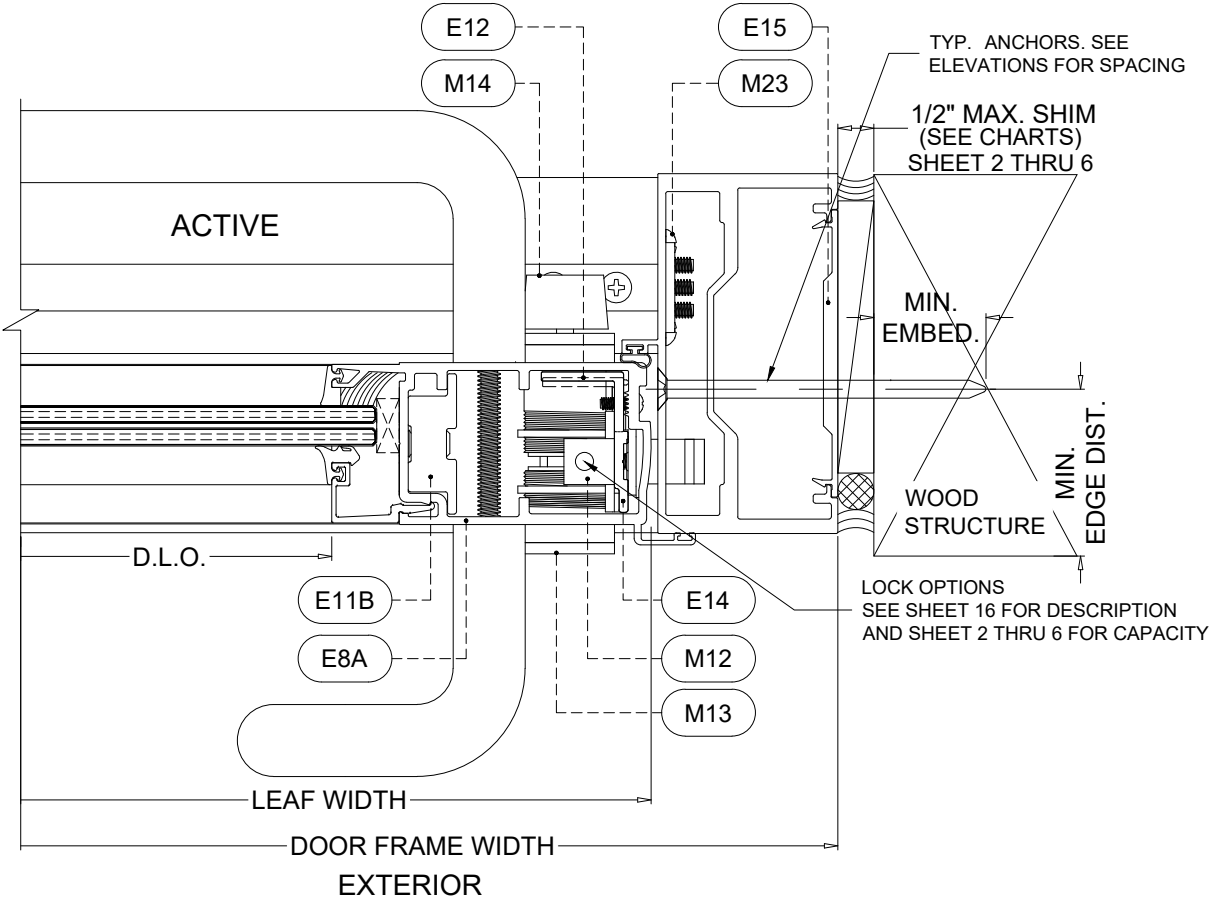
S6 MEETING STILE



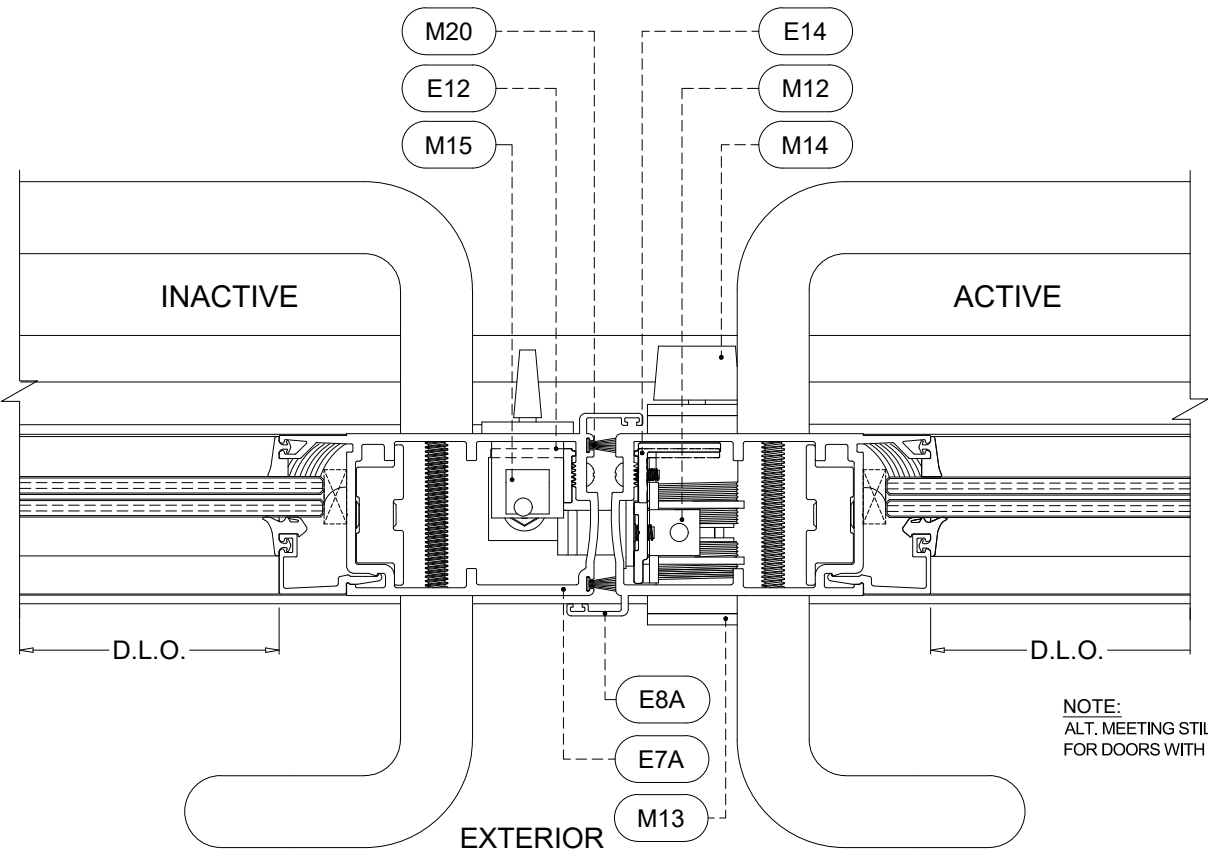
S3 JAMB DETAIL (HINGE )  
ALTERNATE



S3 JAMB DETAIL (HINGE )  
SERIES -8000T OPTION

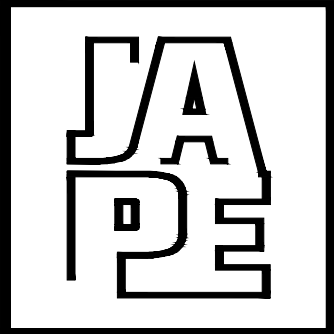


S4 JAMB DETAIL (HANDLE)  
ALTERNATE



S6 MEETING STILE (ALTERNATE)

NOTE:  
ALT. MEETING STILES NOT APPROVED  
FOR DOORS WITH PANIC EXIT DEVICES.



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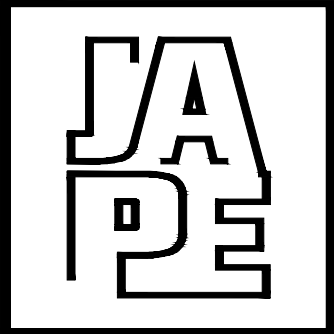
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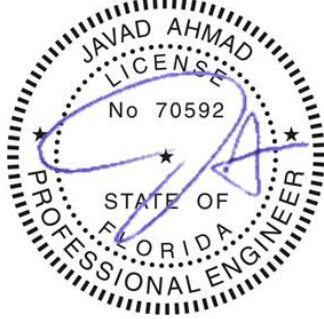
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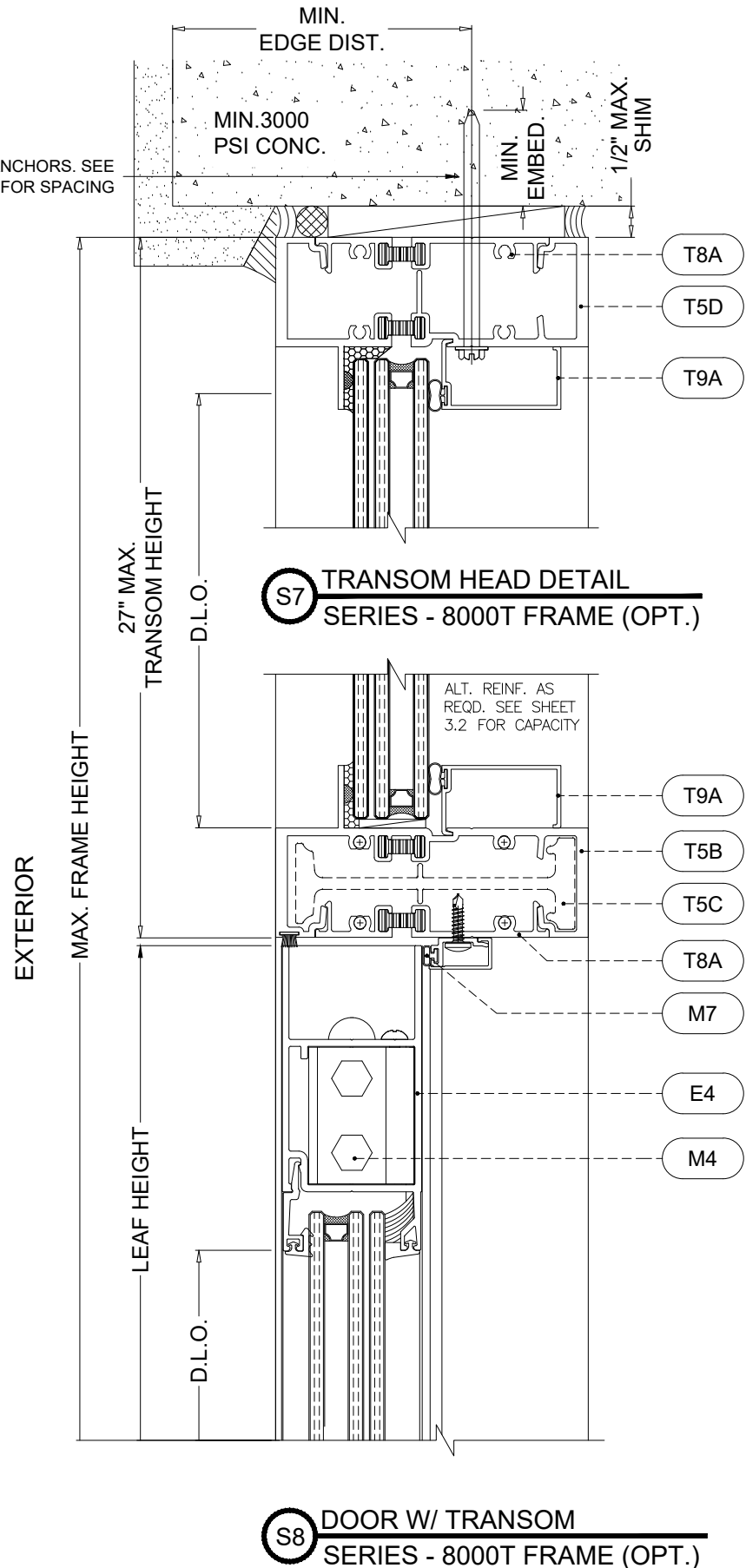
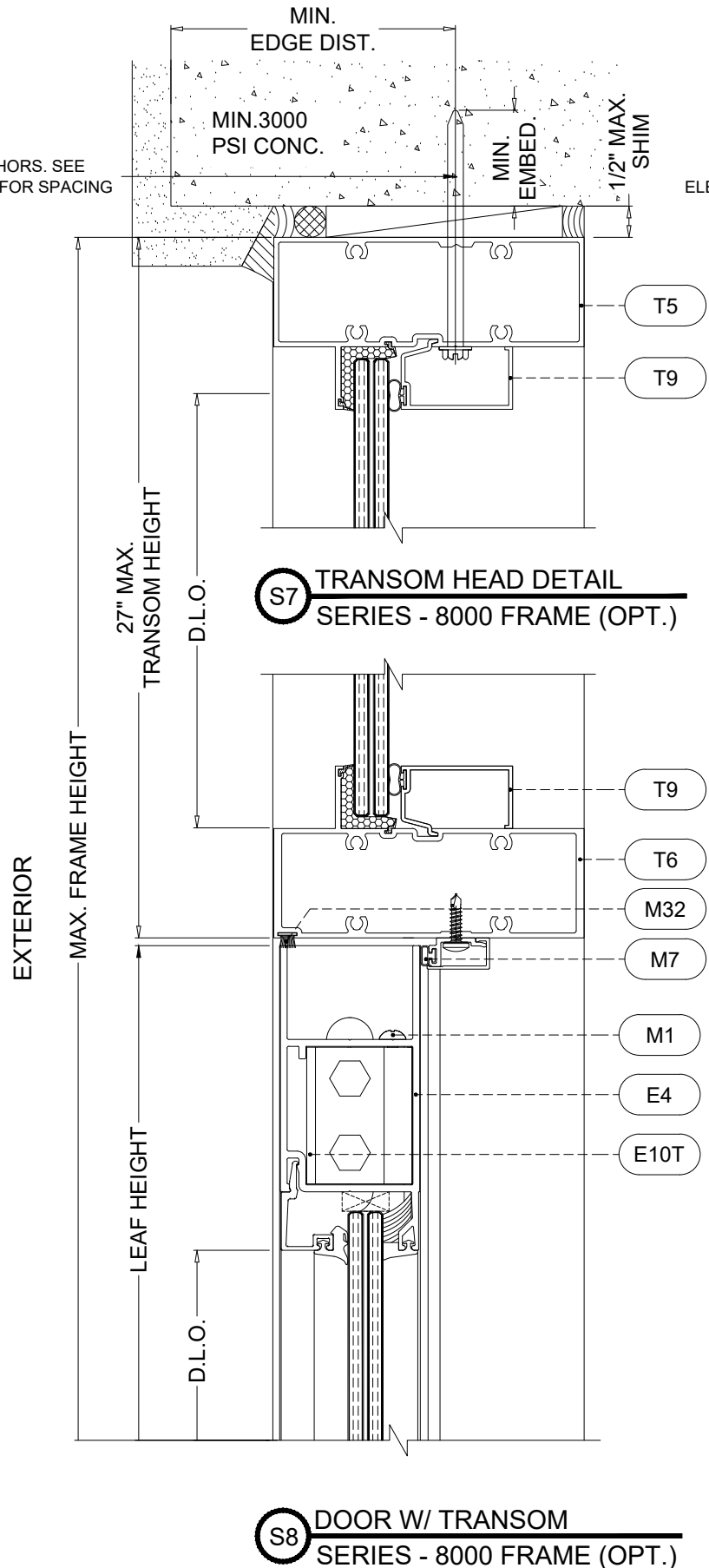
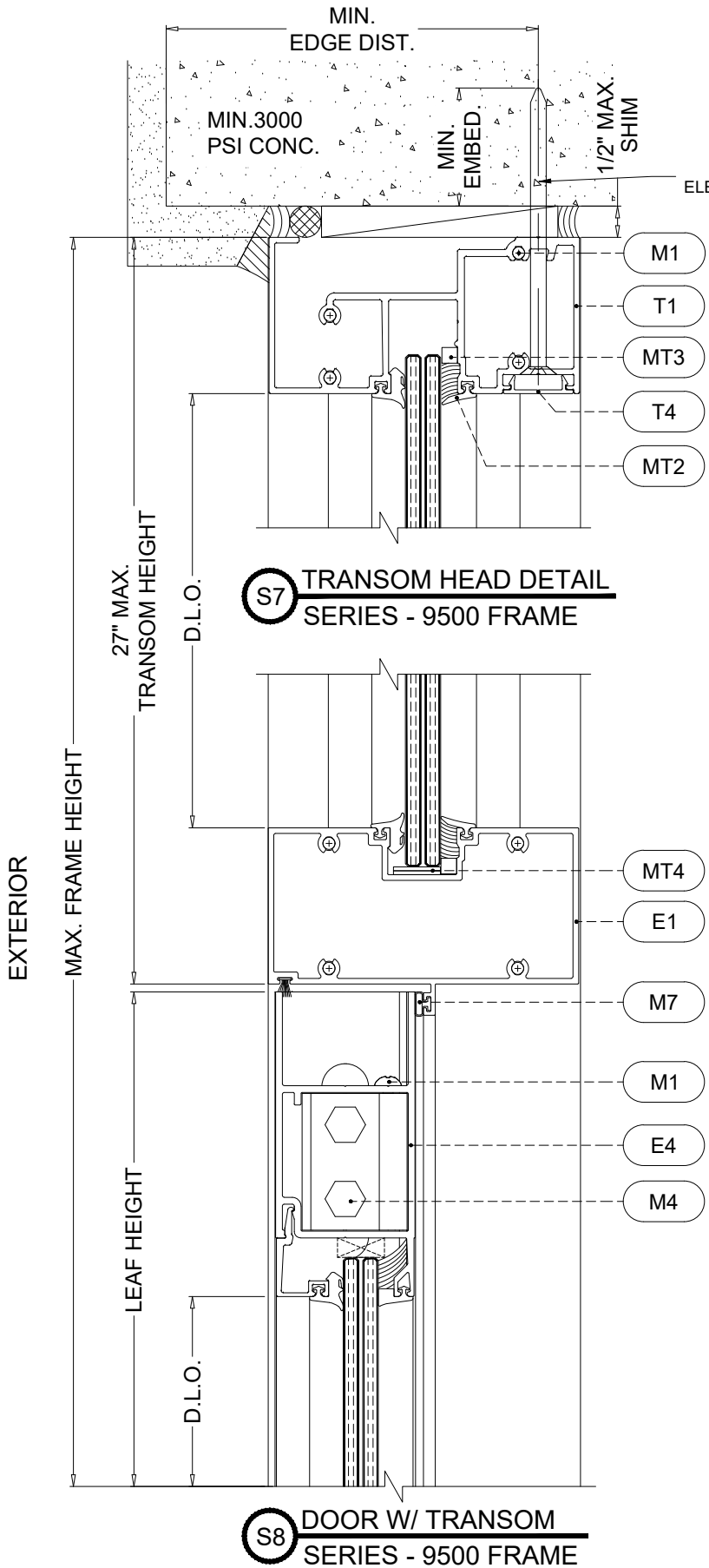
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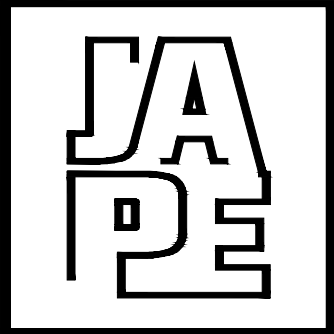


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SEC. DETAILS

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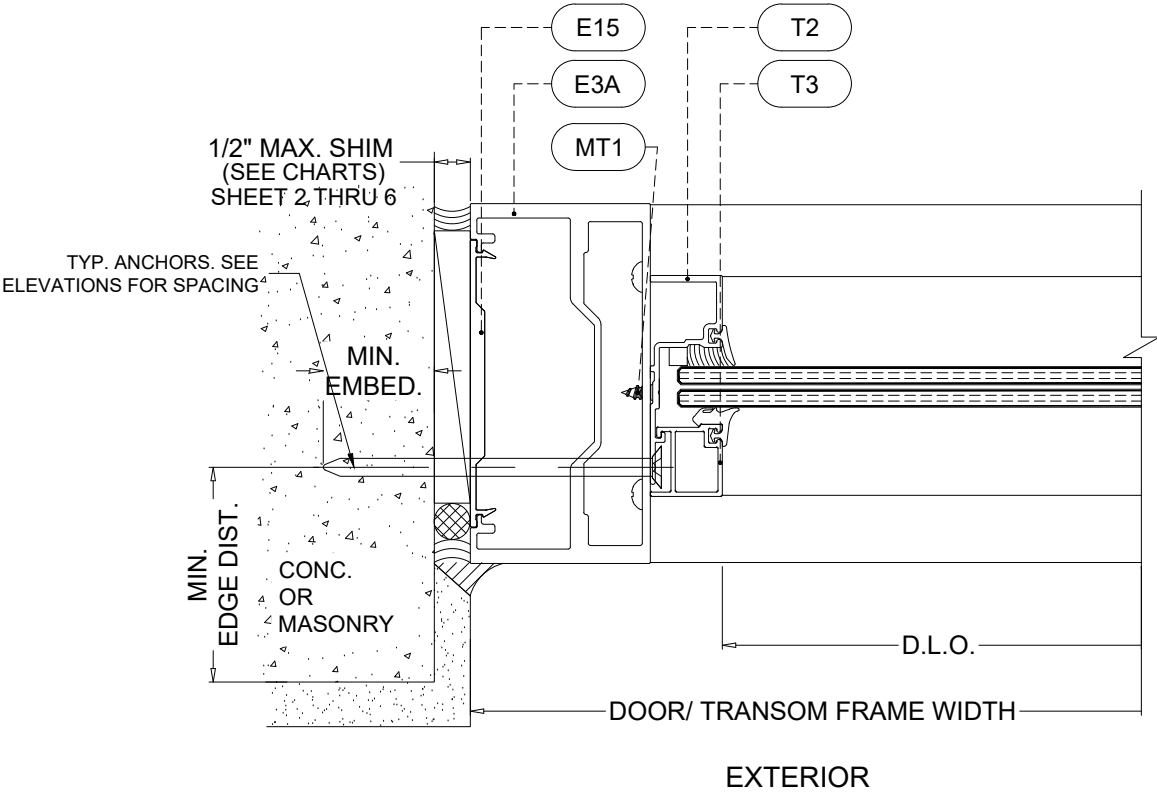
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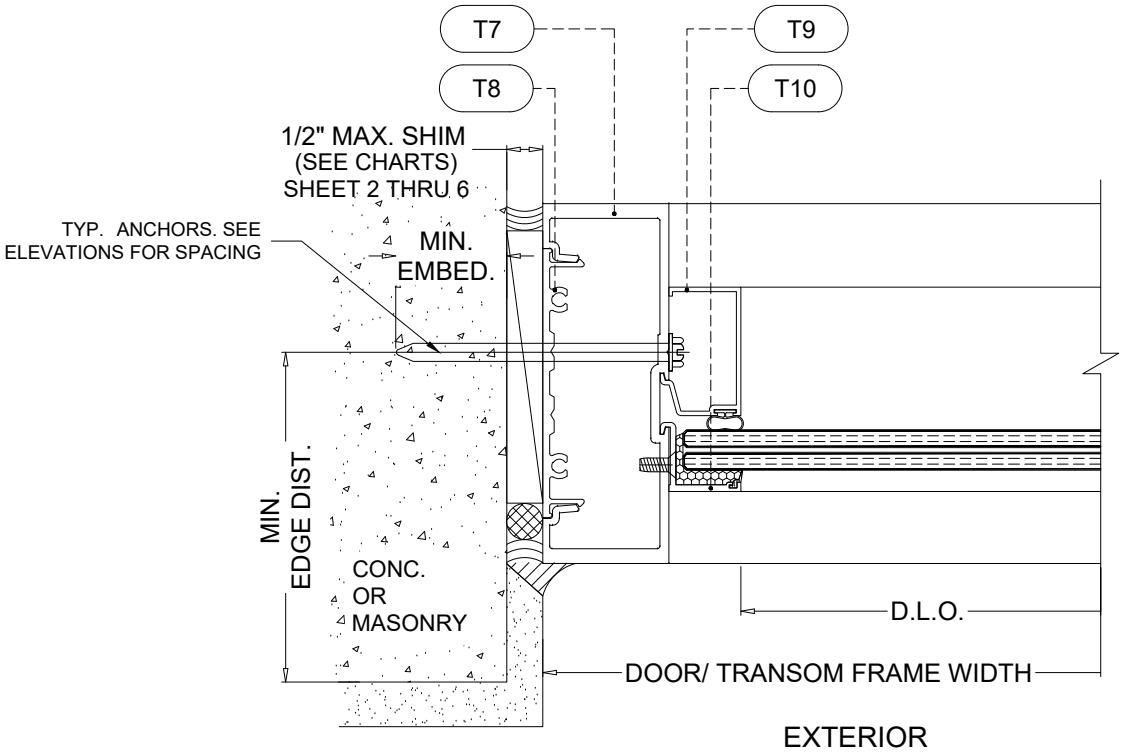
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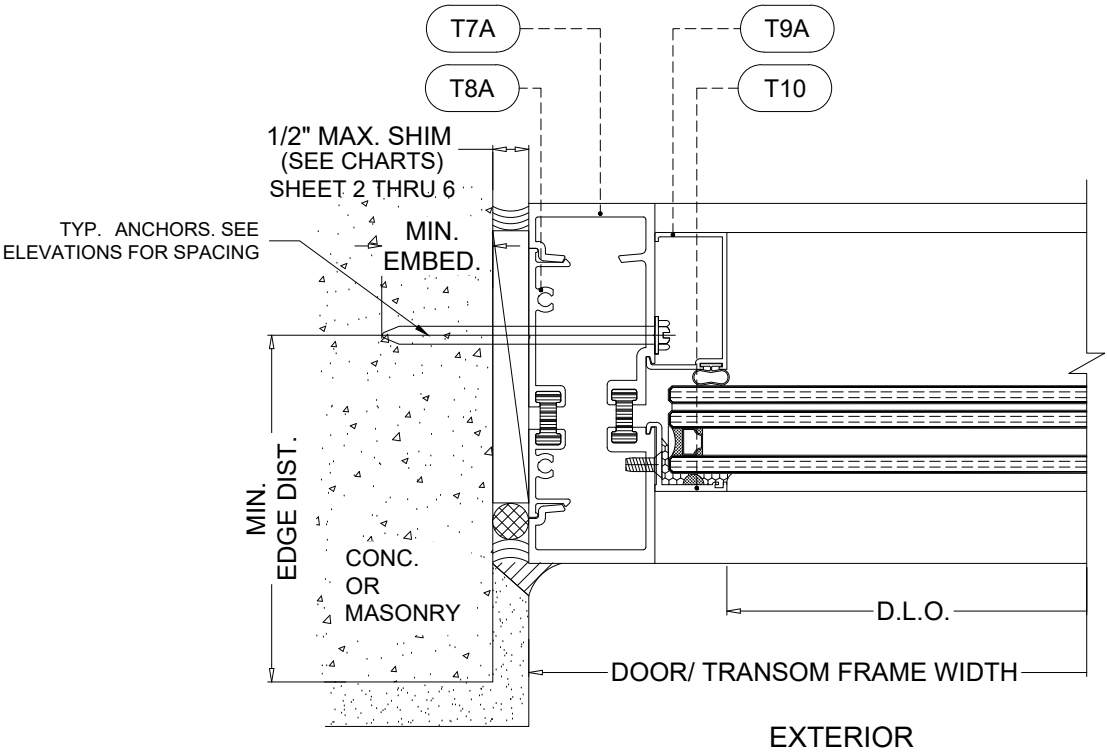
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12.1 OF 18



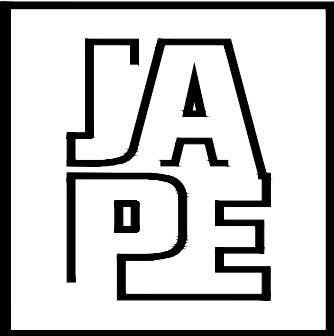
S9 TRANSOM JAMB  
SERIES - 9500 FRAME



S9 TRANSOM JAMB  
SERIES - 8000 FRAME (OPT.)



S9 TRANSOM JAMB  
SERIES - 8000T FRAME (OPT.)



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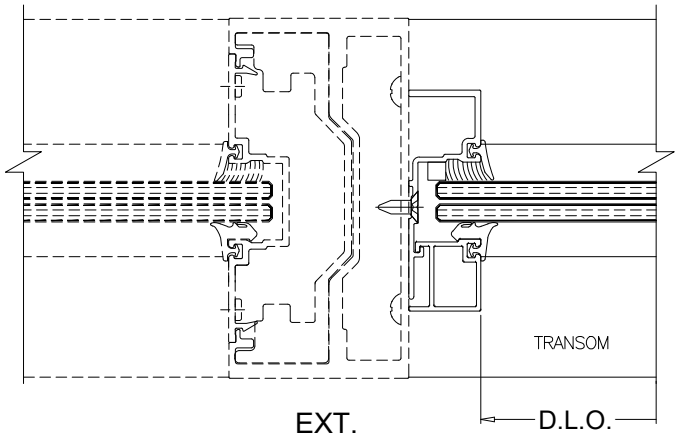
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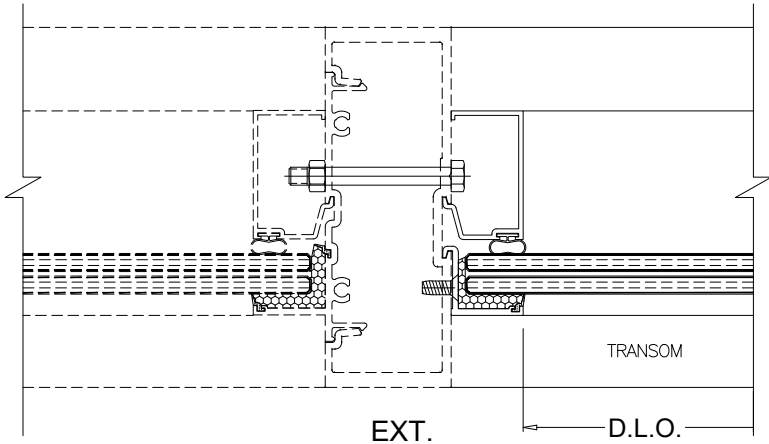
SEC. DETAILS

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13 OF 18



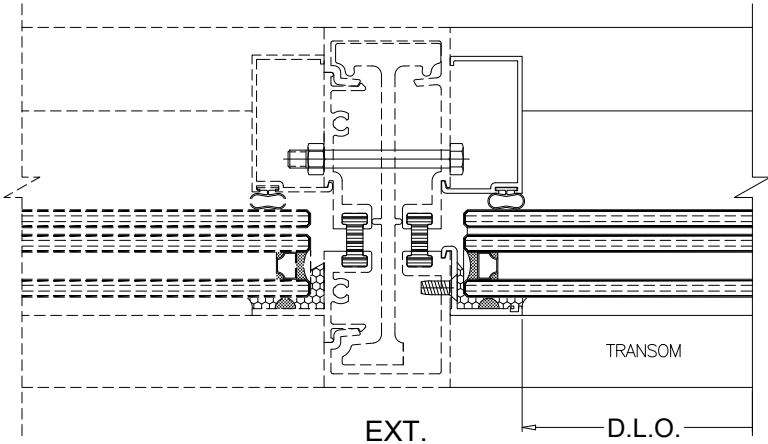
F.B.C. APPROVED  
SERIES 9500 WINDOW WALL SYSTEM BY 'E.S.  
WINDOWS' UNDER SEPARATE APPROVAL

**S10** TRANSOM MULLION  
SERIES - 9500 FRAME



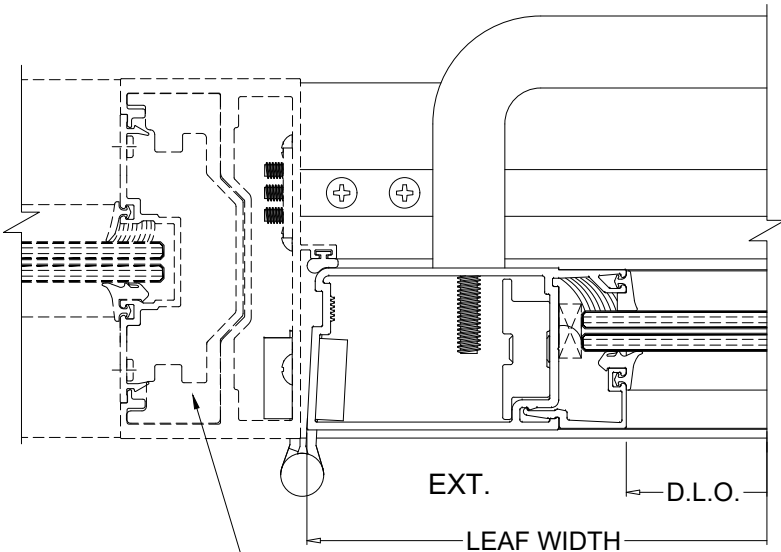
F.B.C. APPROVED  
SERIES 8000 WINDOW WALL SYSTEM BY 'E.S.  
WINDOWS' UNDER SEPARATE APPROVAL

**S10** TRANSOM MULLION  
SERIES - 8000 FRAME (OPT.)



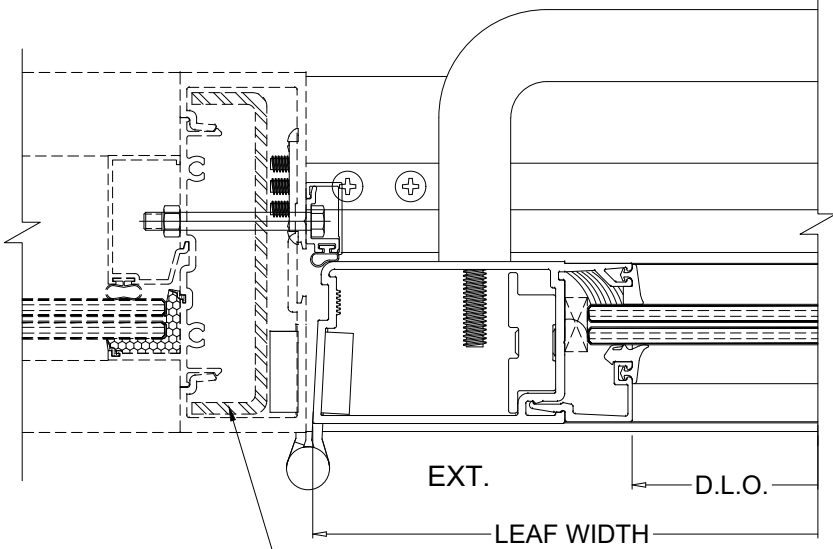
F.B.C. APPROVED  
SERIES 8000T WINDOW WALL SYSTEM BY 'E.S.  
WINDOWS' UNDER SEPARATE APPROVAL

**S10** TRANSOM MULLION  
SERIES - 8000T FRAME (OPT.)



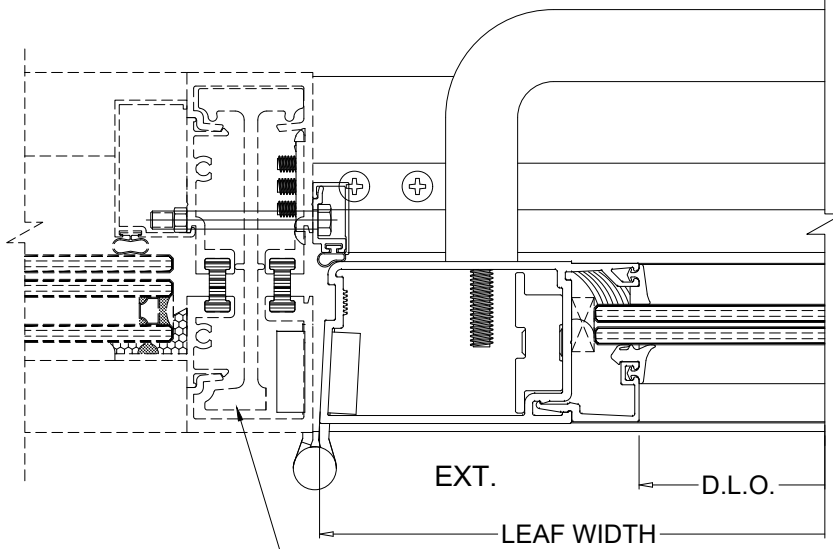
REINFORCING WILL VARY SEE  
CURRENT APPROVAL OF E.S.  
SERIES 8000 WINDOW WALL  
SYSTEM FOR DETAILS

**S11** DOOR MULLION  
SERIES - 9500 FRAME



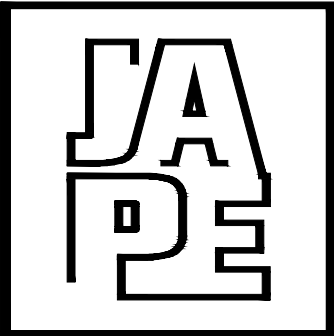
REINFORCING WILL VARY SEE  
CURRENT APPROVAL OF E.S.  
SERIES 8000 WINDOW WALL  
SYSTEM FOR DETAILS

**S11** DOOR MULLION  
SERIES - 8000 FRAME (OPT.)



REINFORCING WILL VARY SEE  
CURRENT APPROVAL OF E.S.  
SERIES 8000 WINDOW WALL  
SYSTEM FOR DETAILS

**S11** DOOR MULLION  
SERIES - 8000T FRAME (OPT.)



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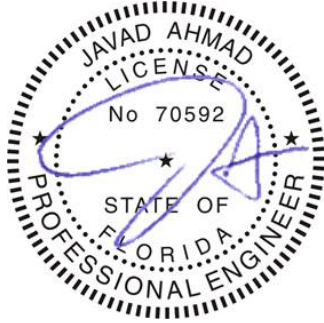
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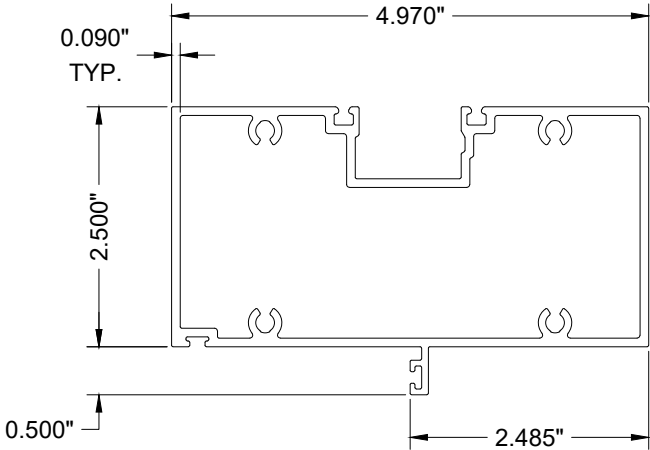
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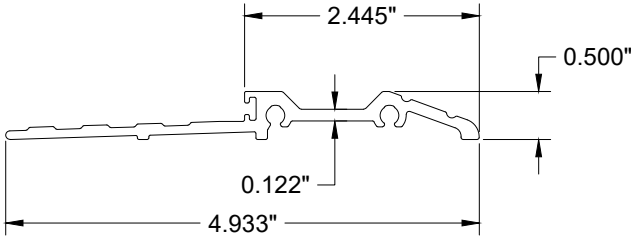
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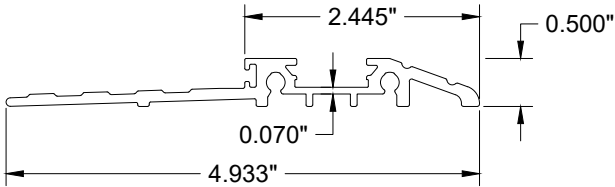
SHEET No.  
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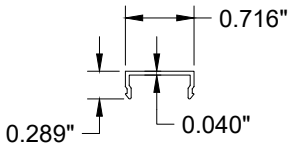
**E1** DOOR HEADER Series 9000



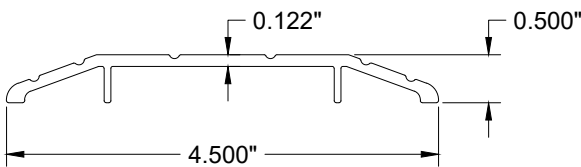
**E2** STD.THRESHOLD



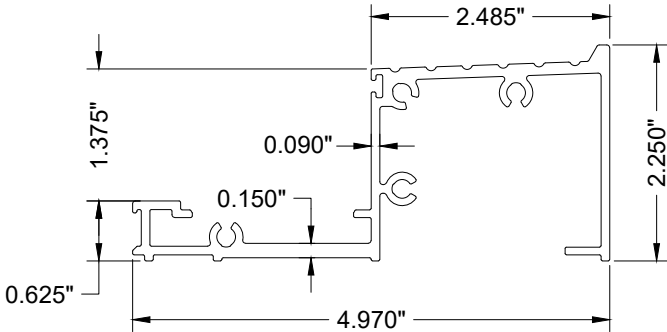
**E2.1** ALT. STD.THRESHOLD



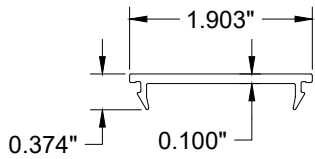
**E2.2** SCREW COVER



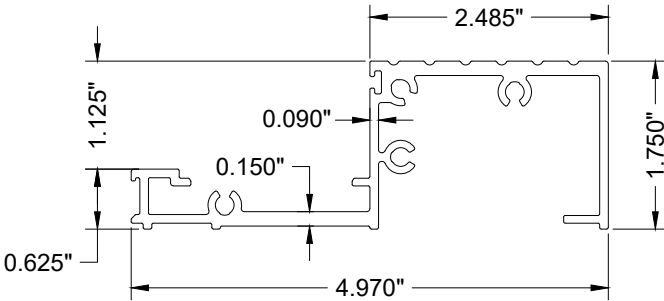
**E2A** SADDLE THRESHOLD  
ES9015



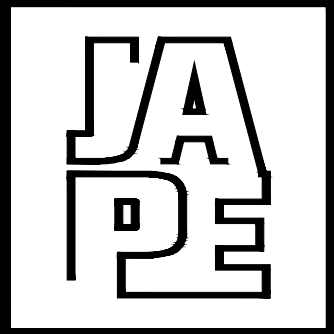
**E2B** HIGH THRESHOLD  
APPR'D FOR WATER RESISTANCE



**E2C** THRESHOLD COVER  
ES9027



**E2D** MEDIUM THRESHOLD  
NOT APPR'D FOR WATER RESISTANCE



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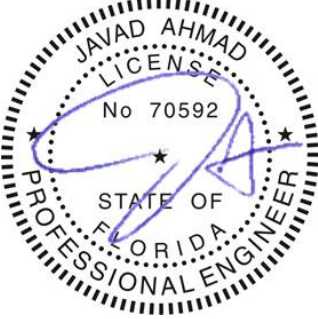
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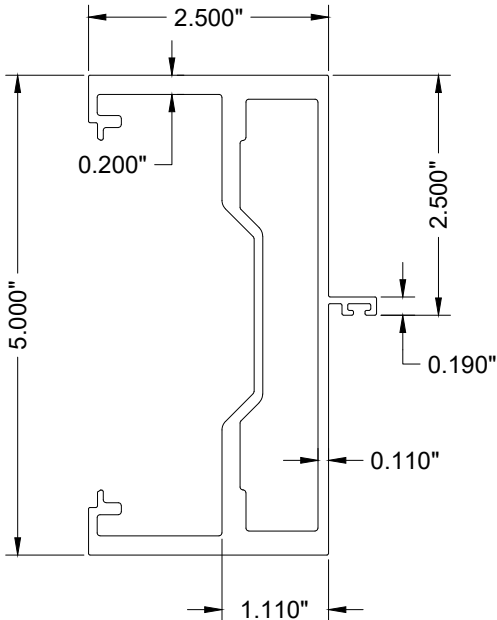
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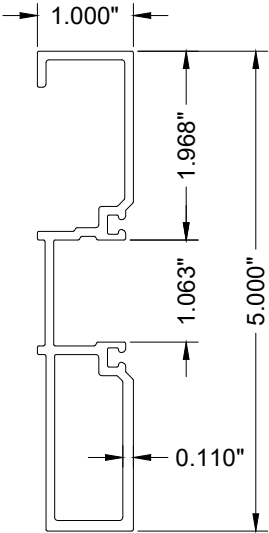
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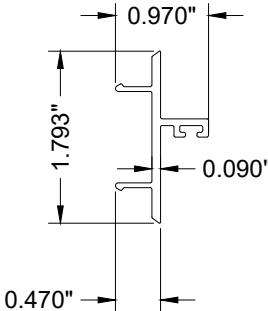
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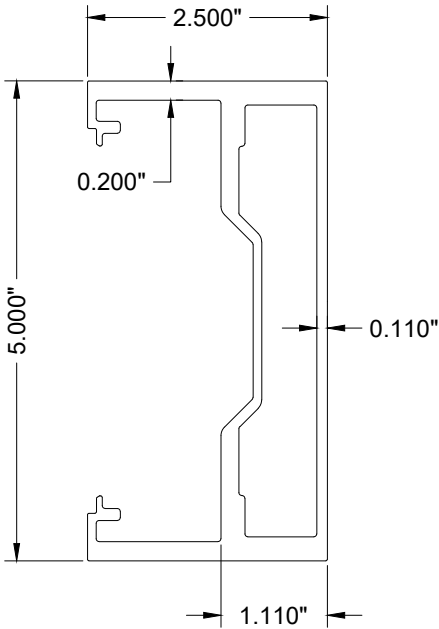
**E3** DOOR JAMB Series 9000



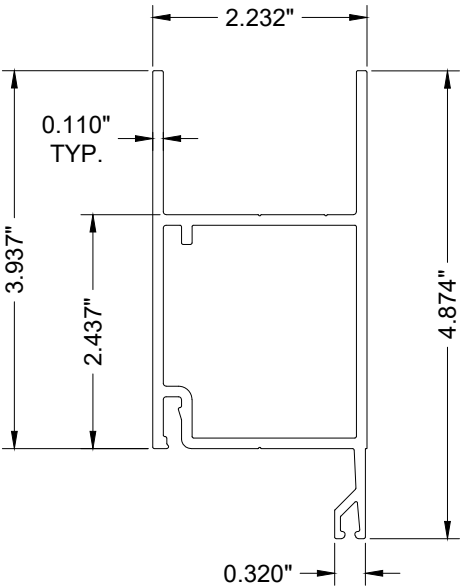
**E3.1** NARROW DOOR JAMB



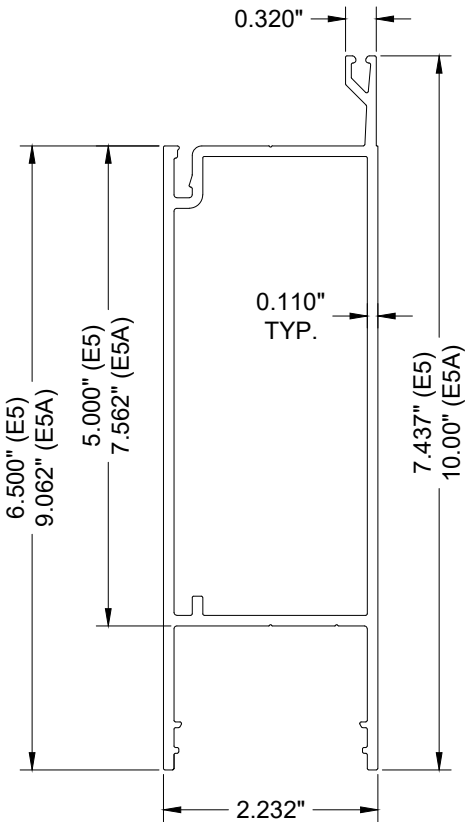
**E3.2** NARROW JAMB DOOR STOP



**E3A** DOOR TRANSOM

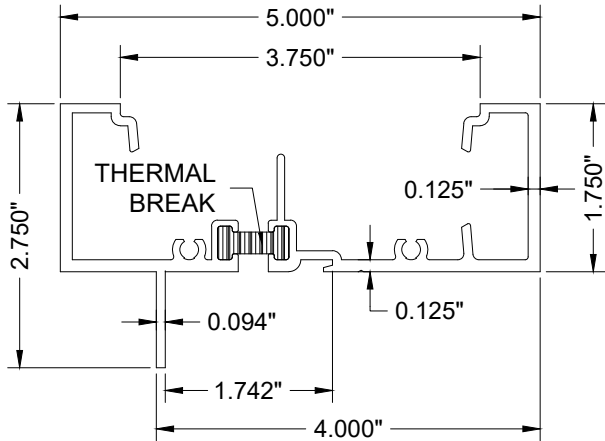


**E4** TOP RAIL

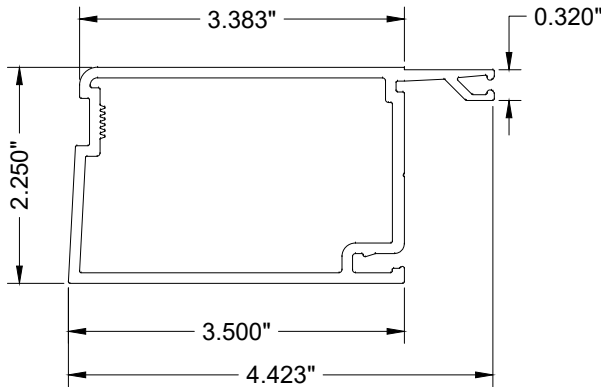


**E5** STD. BOTTOM RAIL

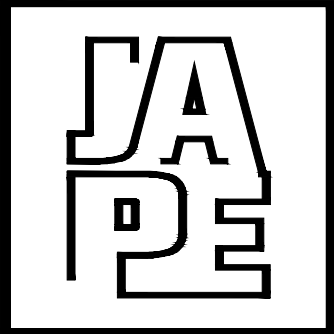
**E5A** HI-PROFILE BOTTOM RAIL



**T5D** TRASNSOM HEAD 8000-T



**E6** HINGE / LOCK STILE



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drawn by: M.S.

check by:

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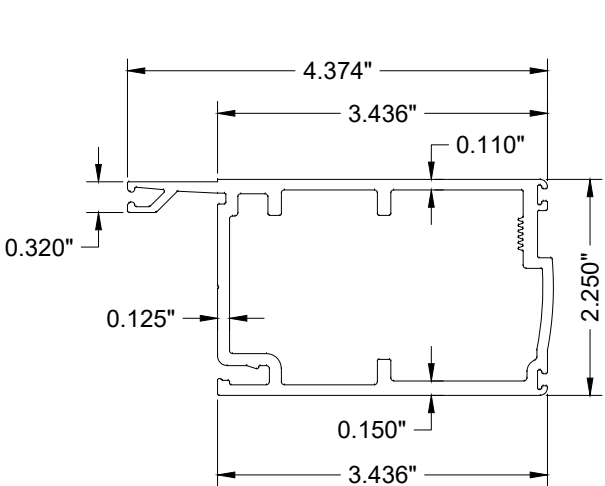
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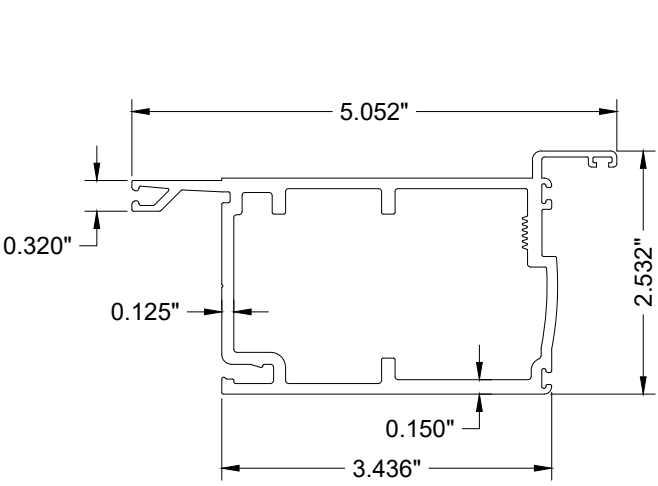
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PROFILES

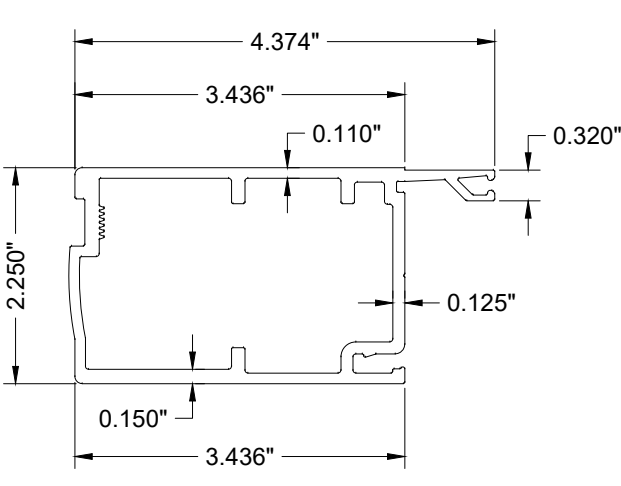
SHEET No.  
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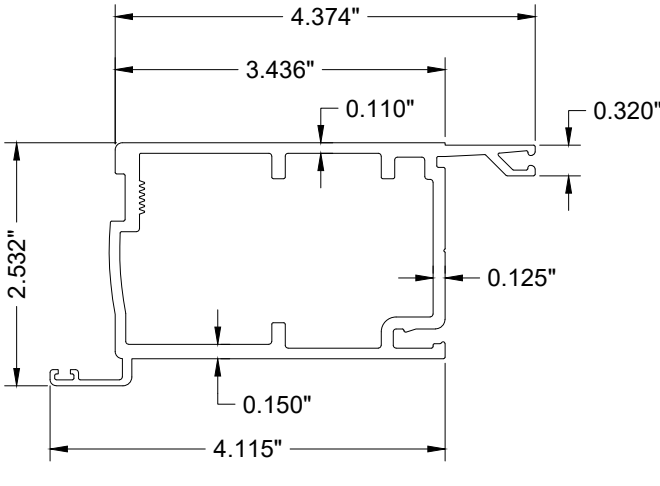
**E7** MEETING STILE (INACTIVE LEAF)



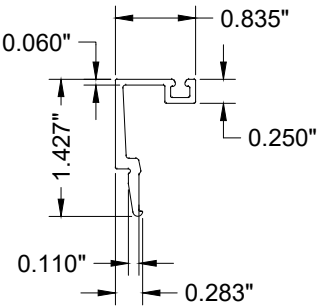
**E7A** MEETING STILE (INACTIVE LEAF)  
ALTERNATE



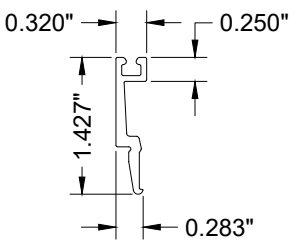
**E8** MEETING STILE (ACTIVE LEAF)



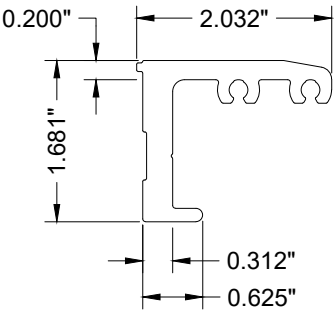
**E8A** MEETING STILE (ACTIVE LEAF)  
ALTERNATE



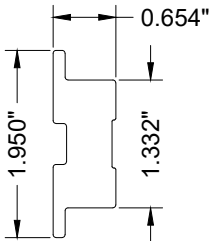
**E9** GLASS STOP (LAM.)



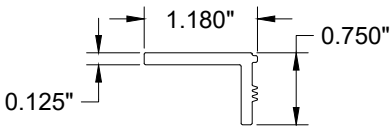
**E9.1** GLASS STOP (INSUL. LAM.)



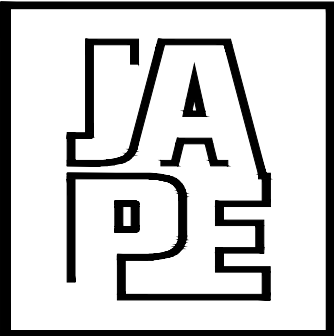
**E10** CORNER BLOCK



**E11** CORNER PLATE



**E12** SUPPORT ANGLE



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Doral, FL 33126  
Ph: (305) 424-8001  
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PROJECT :

SERIES ES-9000  
ALUMINUM OUTSWING  
ENTRANCE DOOR  
(L.M.I. & S.M.I.)

CLIENT :

**ES** **ES WINDOWS, LLC**  
3550 NW 49TH STREET  
MIAMI, FL 33142  
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| scale:      |      | N/A        |             |
| drawn by:   |      | M.S.       |             |
| check by:   |      |            |             |
| Drawing no. |      | JA-1595-26 |             |

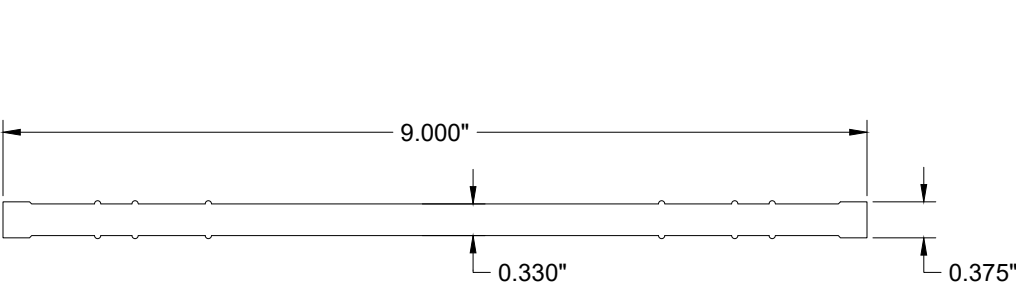
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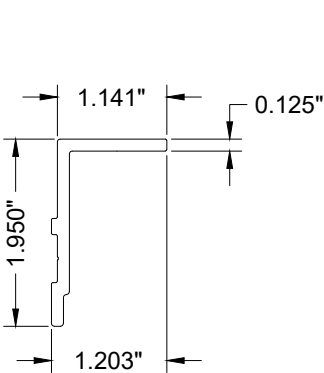
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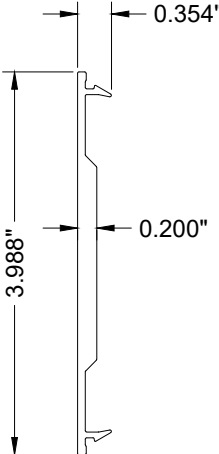
SHEET No.  
14.3 OF 18



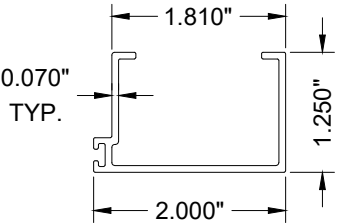
**E13** HINGE BACKUP PLATE



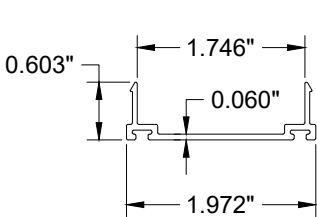
**E14** LOCK BACK UP PLATE



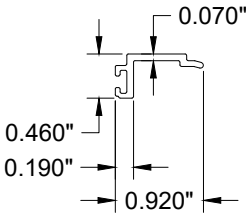
**E15** JAMB FILLER



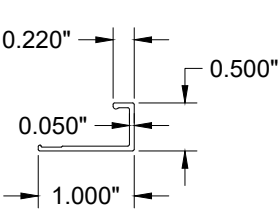
**E18** CLOSURE DOOR STOP



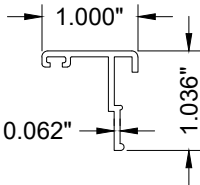
**E20** DOOR SWEEP



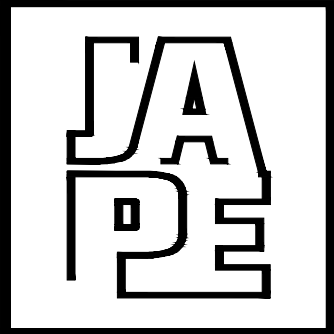
**E21** DOOR STOP



**E22** DOOR STOP COVER



**E23** ASTRAGAL STILE



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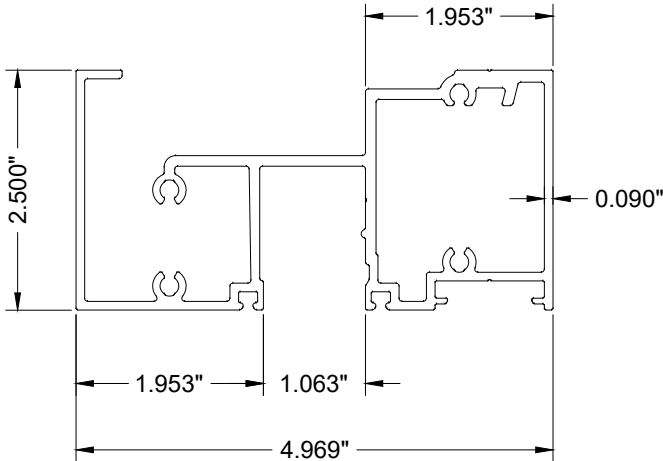
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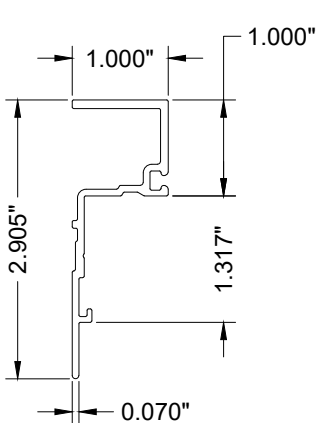
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PROFILES

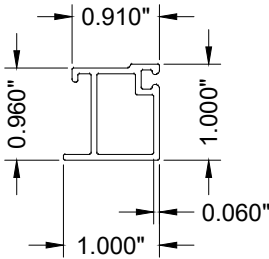
SHEET No.  
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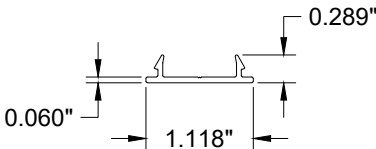
**T1** TRANSOM HEADER Series 9500



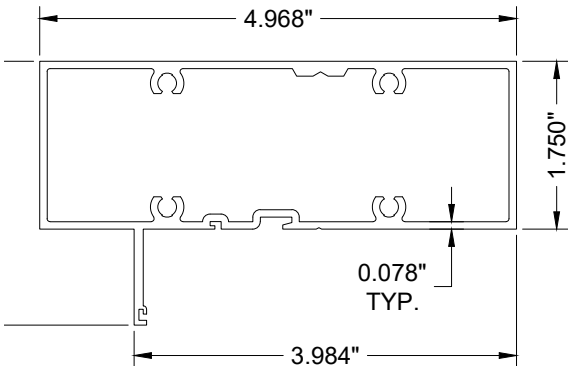
**T2** TRANSOM ADAPTER



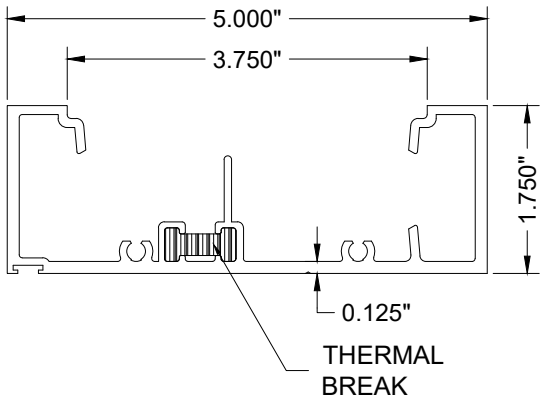
**T3** TRANSOM GLASS STOP



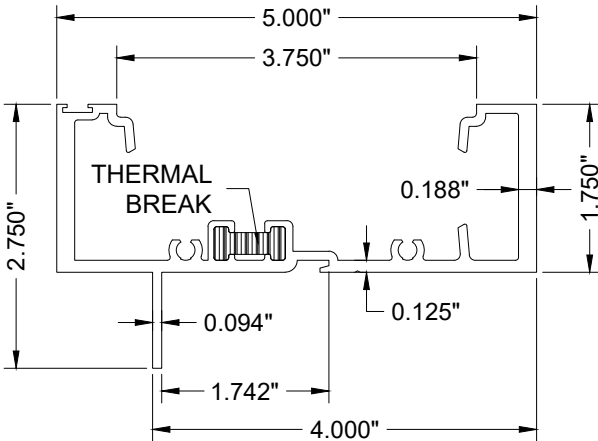
**T4** HEAD COVER



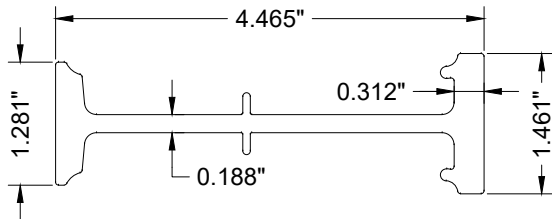
**T5** TRANSOM HEAD S-8000



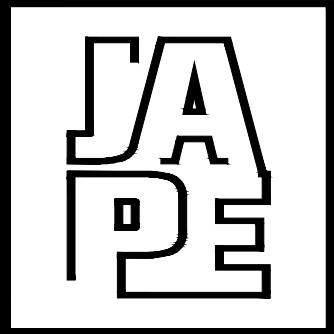
**T5A** TRANSOM HEAD S-8000T



**T5B** TRANSOM HORIZONTAL S-8000T



**T5C** TRANSOM REINFORCING



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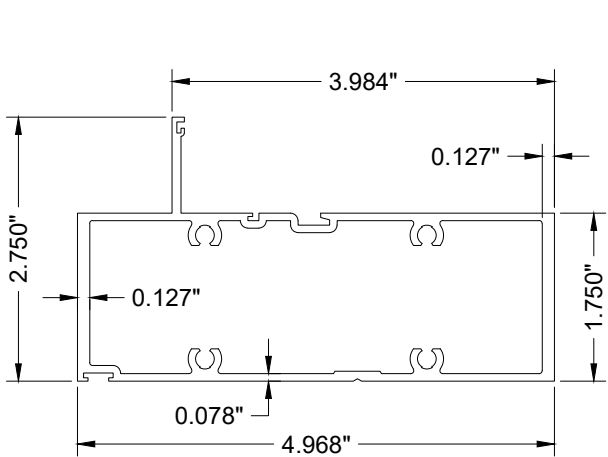
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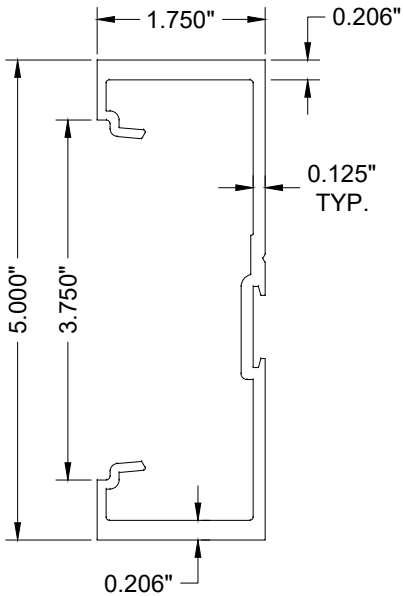
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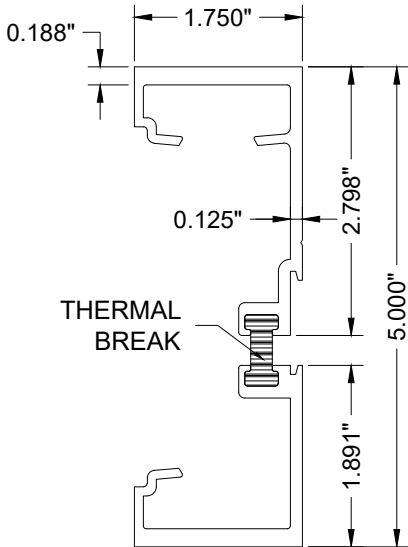
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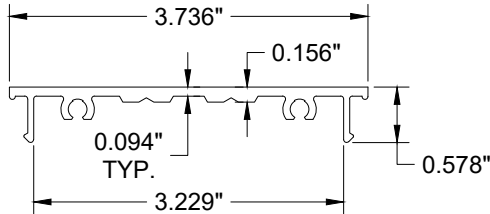
**T6** TRANSOM HORIZONTAL S-8000



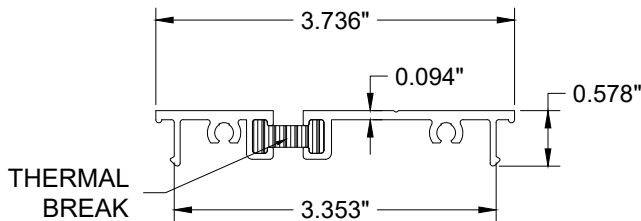
**T7** TRANSOM JAMB S-8000



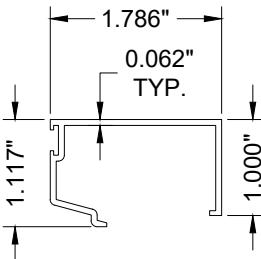
**T7A** TRANSOM JAMB S-8000T



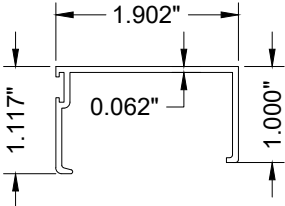
**T8** JAMB FILLER S-8000



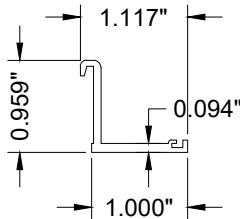
**T8A** TRANSOM SNAP-IN PLATE



**T9** TRANSOM GLASS STOP S-8000



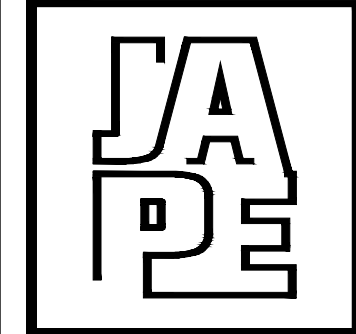
**T9A** TRANSOM GLASS STOP S-8000T



**T10** TRANSOM GLAZING ADAPTER

| BILL OF MATERIALS |              |            |                                                  |          |                                        |
|-------------------|--------------|------------|--------------------------------------------------|----------|----------------------------------------|
| ITEM #            | PART #       | QUANTITY   | DESCRIPTION                                      | MATERIAL | MANF / SUPPLIER / REMARKS              |
| E1                | ES-9012      | 1          | DOOR HEADER                                      | 6061-T6  | -                                      |
| E2                | ES-9014      | 1          | STANDARD THRESHOLD                               | 6063-T6  | -                                      |
| E2.1              | ES-9000-030  | 1          | ALT. STANDARD THRESHOLD                          | 6061-T6  | -                                      |
| E2.2              | ES-6011      | 1          | SCREW COVER                                      | 6063-T6  | -                                      |
| E2A               | ES-9015      | 1          | SADDLE THRESHOLD                                 | 6063-T6  | -                                      |
| E2B               | ES-9026      | 1          | HIGH THRESHOLD                                   | 6063-T6  | -                                      |
| E2C               | ES-9027      | 1          | THRESHOLD COVER                                  | 6063-T5  | -                                      |
| E2D               | ES-9000-036  | 1          | MEDIUM THRESHOLD                                 | 6063-T6  | -                                      |
| E3                | ES-9013      | 2          | DOOR JAMB                                        | 6063-T6  | -                                      |
| E3.1              | ES-7530-213  | 2          | NARROW DOOR JAMB                                 | 6063-T6  | -                                      |
| E3.2              | ES-7530-214  | 2          | NARROW JAMB DOOR STOP                            | 6063-T6  | -                                      |
| E4                | ES-9001      | 2          | TOP RAIL                                         | 6063-T5  | -                                      |
| E5                | ES-9002      | 2          | STD. BOTTOM RAIL                                 | 6063-T6  | -                                      |
| E5A               | ES-9000-031  | 2          | HI-PROFILE BOTTOM RAIL                           | 6063-T6  | -                                      |
| E6H               | ES-9003      | 2          | HINGE/LOCK STILE                                 | 6063-T5  | -                                      |
| E7                | ES-9006      | 1          | MEETING STILE - ACTIVE LEAF                      | 6063-T5  | -                                      |
| E7A               | -            | 1          | ALT. MEETING STILE - ACTIVE LEAF                 | 6063-T5  | -                                      |
| E8                | ES-9007      | 1          | MEETING STILE - INACTIVE LEAF                    | 6063-T5  | -                                      |
| E8A               | -            | 1          | ALT. MEETING STILE - INACTIVE LEAF               | 6063-T5  | -                                      |
| E9                | ES-9004      | 4          | GLASS STOP (LAM. GLASS)                          | 6063-T5  | -                                      |
| E9.1              | ES-9029      | 4          | GLASS STOP (INSUL. LAM. GLASS)                   | 6063-T5  | -                                      |
| E10T              | ES-9008      | 4          | CORNER BLOCK - TOP                               | 6063-T5  | -                                      |
| E10B              | ES-9008      | 4          | CORNER BLOCK - BOTTOM                            | 6063-T5  | -                                      |
| E11T              | ES-9009      | 4          | CORNER PLATE - TOP                               | 6063-T5  | -                                      |
| E11B              | ES-9009      | 4          | CORNER PLATE - BOTTOM                            | 6063-T5  | -                                      |
| E12               | ES-9010      | 4          | SUPPORT ANGLE                                    | 6063-T5  | 3/4" X 1" X 1/8" X 9" LONG             |
| E13               | ES-9011      | AS REQD.   | HINGE BACKUP PLATE REINFORCEMENT                 | 6063-T5  | 1-1/4" X 9" X 3/8" THK.                |
| E13A              | 12-24 X 1/2" | 4 / PLATE  | HINGE BACKUP PLATE FASTENERS                     | ST.STEEL | FH MACHINE SCREWS                      |
| E14               | ES-9020      | 1          | LOCK BACKUP PLATE REINFORCEMENT                  | 6063-T5  | 10" LONG                               |
| E14A              | 8-32 X 1/2"  | 3 / PLATE  | LOCK PLATE FASTENERS                             | ST.STEEL | PH MACHINE SCREWS                      |
| E15               | ES-9016      | AS REQD.   | JAMB FILLER                                      | 6063-T6  | -                                      |
| E16               | ES-9017      | AS REQD.   | REINFORCEMENT                                    | 6063-T6  | -                                      |
| E17               | ES-9021      | 1 / CLOSER | CLOSER SUPPORT CLIPS (PAIR)                      | 6063-T5  | -                                      |
| E18               | ES-9022      | 1          | CLOSER DOOR STOP                                 | 6063-T5  | -                                      |
| E19               | ES-9023      | 1 / CLOSER | CLOSER COVER PLATE                               | 6063-T5  | -                                      |
| E20               | ES-9005      | -          | DOOR SWEEP                                       | -        | -                                      |
| E21               | ES-9051      | -          | DOOR STOP                                        | -        | -                                      |
| E22               | ES-9052      | -          | DOOR STOP COVER                                  | -        | -                                      |
| E23               | ES-9060      | -          | ASTRAGAL STILE                                   | 6063-T5  | SECURED WITH #8 X 1/2" SMS AT 12" O.C. |
| M1                | -            | 28         | #12 X 1" P.H. ST/ST SMS                          | -        | -                                      |
| M2                | -            | AS REQD.   | #12 - 24 X 1" F.H. ST/ST MS                      | -        | -                                      |
| M3                | -            | 18         | #8 - 32 X 1/2" P.H. ST/ST MS                     | -        | -                                      |
| M4                | -            | 16         | 3/8" - 16 X 1" HEX. BOLT                         | -        | -                                      |
| M5                | ES-9000-G01  | AS REQD.   | WEDGE GASKET                                     | SILICONE | DUROMETER 70±5 SHORE A                 |
| M6                | ES-9000-G02  | AS REQD.   | SPACER GASKET                                    | EPDM     | DUROMETER 70±5 SHORE A                 |
| M7                | ES-9000-G03  | AS REQD.   | BULB VINYL, BASE-POLYPROPYLENE, BULB-TPE         | -        | ULTRAFAB, DUROMETER 73±5 SHORE A       |
| M8                | ES-9000-B01  | AS REQD.   | SETTING BLOCKS (LAM. GLASS) AT 1/4 POINTS        | EPDM     | DUROMETER 80±5 SHORE A                 |
| M8.1              | ES-9000-B02A | AS REQD.   | SETTING BLOCKS (INSUL. LAM. GLASS) AT 1/4 POINTS | EPDM     | DUROMETER 80±5 SHORE A                 |
| M9                | -            | AS REQD.   | HINGE 4 1/2" X 4"                                | -        | -                                      |
| M9A               | -            | AS REQD.   | OFFSET PIVOT HINGE                               | ALUMINUM | -                                      |
| M9B               | 60AT 2-TLG   | AS REQD.   | RESIDENTIAL HINGE                                | -        | DR.HAHN                                |
| M12               | -            | 1          | 3 POINT LOCK                                     | -        | -                                      |
| M13               | -            | 1          | KEY CYLINDER                                     | -        | -                                      |
| M14               | -            | 1          | THUMBTURN                                        | -        | -                                      |

| BILL OF MATERIALS |               |            |                                             |          |                             |
|-------------------|---------------|------------|---------------------------------------------|----------|-----------------------------|
| ITEM #            | PART #        | QUANTITY   | DESCRIPTION                                 | MATERIAL | MANF / SUPPLIER / REMARKS   |
| M15               | -             | 1          | 2 POINT LOCK                                | -        | -                           |
| M16               | -             | 1 / LEAF   | DOOR CLOSURE                                | -        | -                           |
| M17               | -             | 2          | PUSH - PULL                                 | -        | -                           |
| M19               | W13273NK      | AS REQD.   | PILE W/STRIPPING - HEADER                   | WOOL     | -                           |
| M20               | W23451NK      | AS REQD.   | PILE - MTG STILES                           | WOOL     | -                           |
| M22               | -             | 1 / CLOSER | CHANNEL SPACER 5/8" X 1-7/8"                | -        | -                           |
| M23               | -             | 2          | THRESHOLD CLIP                              | -        | -                           |
| M26               | -             | 2 / CLOSER | /4 - 20 X 2" HEX. BOLT                      | -        | -                           |
| M27               | -             | 3 / CLOSER | #10 X 1" P.H. ST/ST SMS                     | -        | -                           |
| M28               | -             | 6 / CLOSER | #10 X 1" F.H. ST/ST SMS                     | -        | -                           |
| M29               | -             | 3 / CLOSER | #10 X 1" F.H. ST/ST SMS                     | -        | -                           |
| M30               | -             | AS REQD.   | #10 X 1/2" F.H. ST/ST SMS, AT 23" O.C.      | ST.STEEL | -                           |
| M31               | W13351NK      | AS REQD.   | PILE - DOOR SWEEP                           | WOOL     | -                           |
| M32               | W13275NK      | AS REQD.   | PILE - HEADER                               | WOOL     | -                           |
| T1                | ES-9506       | -          | TRANSOM HEADER Series 9500                  | 6063-T6  | -                           |
| T2                | ES-9019       | -          | TRANSOM ADAPTER                             | 6063-T5  | -                           |
| T3                | ES-9018       | -          | TRANSOM GLASS STOP                          | 6063-T5  | -                           |
| T4                | ES-9502       | -          | HEAD COVER                                  | 6063-T5  | -                           |
| T5                | ES-8005       | AS REQD.   | TRANSOM HEAD S-8000                         | 6005-T6  | -                           |
| T5A               | ES-8000T-018  | AS REQD.   | TRANSOM HEAD S-8000T                        | 6005-T5  | -                           |
| T5B               | ES-8000T-017  | AS REQD.   | TRANSOM HORIZONTAL S-8000T                  | 6061-T6  | -                           |
| T5C               | ES-8000T-006  | AS REQD.   | TRANSOM REINFORCING                         | 6005-T5  | -                           |
| T5D               | ES-8000T-004  | AS REQD.   | TRANSOM HEAD S-8000T                        | 6005-T5  | -                           |
| T6                | ES-8013       | AS REQD.   | HORIZONTAL AT DOOR S-8000                   | 6061-T6  | -                           |
| T7                | ES-8012       | AS REQD.   | TRANSOM JAMB S-8000                         | 6005-T6  | -                           |
| T7A               | ES-8000T-009T | AS REQD.   | TRANSOM JAMB S-8000T                        | 6005-T6  | -                           |
| T8                | ES-8003       | AS REQD.   | JAMB FILLER S-8000                          | 6005-T5  | -                           |
| T8A               | ES-8000T-003  | AS REQD.   | HEAD/JAMB FILLER S-8000T                    | 6005-T5  | -                           |
| T9                | ES-8006       | AS REQD.   | TRANSOM GLASS STOP S-8000                   | 6063-T5  | -                           |
| T9A               | ES-8000T-005  | AS REQD.   | TRANSOM GLASS STOP S-8000T                  | 6063-T5  | -                           |
| T10               | ES-8014       | AS REQD.   | TRANSOM GLAZING ADAPTER                     | 6063-T6  | -                           |
| MT1               | -             | -          | #10 X 1/2" F.H. ST/ST SMS                   | -        | -                           |
| MT2               | -             | -          | TRIM GASKET                                 | SILICONE | -                           |
| MT3               | -             | -          | INTERIOR SPACER 1/4" X 1/4"                 | FOAM     | -                           |
| MT4               | -             | AS REQD.   | SETTING BLOCKS (1/16" X 3/4") AT 1/4 POINTS | EPDM     | EPDMDUROMETER 80±5 SHORE A  |
| MT4A              | -             | AS REQD.   | SETTING BLOCKS (3/16" X 1/2") AT 1/4 POINTS | EPDM     | EPDMDUROMETER 80±5 SHORE A  |
| MT4B              | ES-7530-B01A  | AS REQD.   | SETTING BLOCKS AT 1/4 POINTS                | EPDM     | EPDMDUROMETER 80±5 SHORE A  |
| MT5               | ES-8010       | AS REQD.   | INTERIOR GLAZING GASKET                     | EPDM     | EPDM DUROMETER 60±5 SHORE A |
| MT6               | ES-8011A      | AS REQD.   | BUMP-ON GLASS SPACER                        | SILICONE | EPDMDUROMETER 80±5 SHORE A  |
| MT7               | ES-8009       | AS REQD.   | SILICONE STOP   SILICONE                    | SILICONE | -                           |



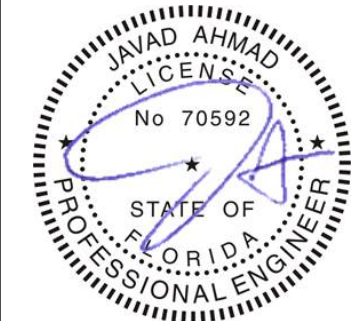
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| PROJECT :                                                                 |  |                                                                                                               |  |
|---------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------|--|
| SERIES ES-9000<br>ALUMINUM OUTSWING<br>ENTRANCE DOOR<br>(L.M.I. & S.M.I.) |  |                                                                                                               |  |
| CLIENT :                                                                  |  |                                                                                                               |  |
|                                                                           |  | <b>ES WINDOWS, LLC</b><br>3550 NW 49TH STREET<br>MIAMI, FL 33142<br>TEL. (305) 638-5151   FAX. (305) 638-5158 |  |

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| check by:   |      |            |             |
| Drawing no. |      | JA-1595-26 |             |

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CIVIL FLA. PE # 70592 – C.A.N. 34254



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|                  |                       |
|------------------|-----------------------|
| BILL OF MATERIAL | SHEET No.<br>15 OF 18 |
|------------------|-----------------------|

**LOCKS:**  
SEE TABLES ON SHEETS 2 THRU 6 FOR LOAD CAPACITIES).

**OPTION # 01:**

**LIMIT MAX. LOADS TO ±80.0 PSF**

**ACTIVE & INACTIVE LEAF:**  
CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY 'JACKSON PANIC SYSTEM' # 1285 LOCATED AT 41" FROM SILL AT EACH LEAF. FASTENED WITH  
(1) #14 x 1" HH SELF DRILLING SCREW AT ONE END AND  
(2) #12-24 x 1/2" OH MACHINE SCREWS AT OTHER END  
OR  
CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY 'ADAMS RITE' LOCATED AT 40" FROM SILL AT EACH LEAF. FASTENED WITH  
(2) #10-32 x 3/4" FH MACHINE SCREWS AT ONE END AND  
(2) #10-24 x 1/2" FH MACHINE SCREWS AT OTHER END

**OPTION # 02:**

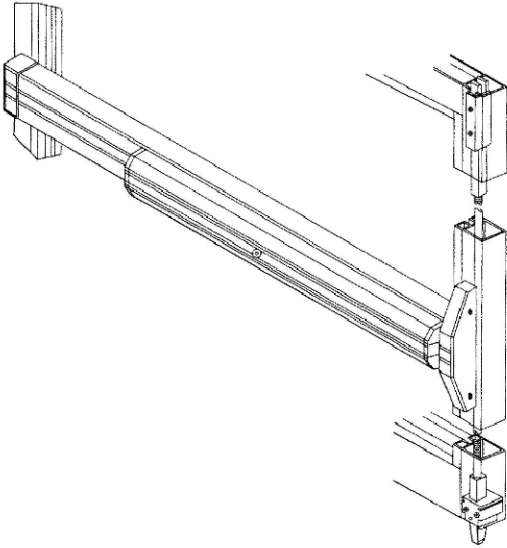
**LIMIT MAX. LOADS TO +80.0, -90.0 PSF**

**ACTIVE & INACTIVE LEAF:**  
CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY 'JACKSON PANIC SYSTEM' # 2086 LOCATED AT 41" FROM SILL AT EACH LEAF. FASTENED WITH  
(1) #14 x 1" HH SELF DRILLING SCREW AT ONE END AND  
(2) #12-24 x 1/2" OH MACHINE SCREWS AT OTHER END  
OR  
CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY 'DOR-O-MATIC' LOCATED AT 40" FROM SILL AT EACH LEAF. FASTENED WITH  
(2) #12-24 x 1/2" FH MACHINE SCREWS AT ONE END AND

**OPTION # 2.1:**

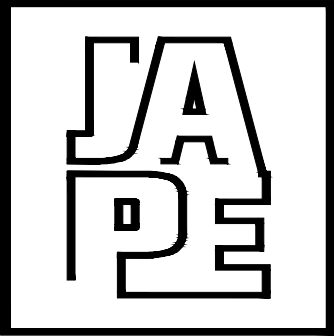
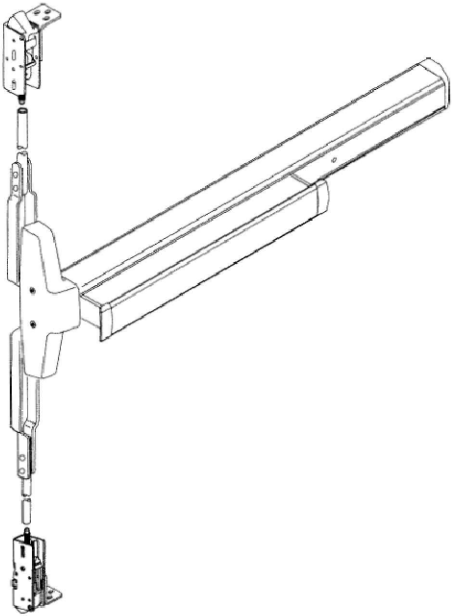
**LIMIT MAX. LOADS TO ±90.0 PSF**

**ACTIVE & INACTIVE LEAF:**  
CONCEALED VERTICAL ROD PANIC EXIT DEVICE SERIES 3347 BY 'VON DUPRIN' LOCATED AT 40" FROM SILL AT EACH LEAF. FASTENED WITH  
(2) #10 -32 x 3/4" FH MACHINE SCREWS AT ONR END AND  
(2) #10-24 x 1/2" FH MACHINE SCREWS AT OTHER END



PANIC EXIT DEVICE  
OPTION #1 OR #2

CONCEALED BOLTS ENGAGEMENT INTO FRAMES = 1/2" MIN. TYP.



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PROJECT :

SERIES ES-9000  
ALUMINUM OUTSWING  
ENTRANCE DOOR  
(L.M.I. & S.M.I.)

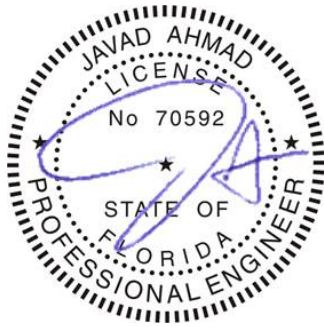
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SHEET No.  
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OPTION # 03:

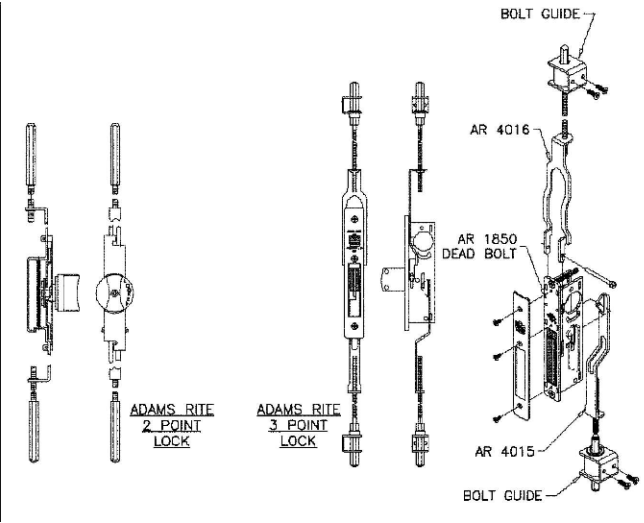
ACTIVE LEAF:

KEY OPERATED 3 POINT LOCK SYSTEM 4015/4016 BY 'ADAMS RITE' WITH CONCEALED FLUSH BOLTS AT TOP & BOTTOM OF LOCK STILE AND A THUMB TURN ON THE INTERIOR, LOCATED AT 40" FROM BOTTOM OF PANEL.  
FASTENED WITH  
(2) #12-24 x 1/2" FH MACHINE SCREWS.

INACTIVE LEAF:

MANUALLY OPERATED TWO POINT LOCK SYSTEM 1880/81 BY 'ADAMS RITE' WITH CONCEALED FLUSH BOLTS AT TOP & BOTTOM OF LOCK STILE AND A THUMB TURN ON THE INTERIOR, LOCATED AT 40" FROM BOTTOM OF PANEL.  
FASTENED WITH  
(2) #8-32 x 1/4" PH MACHINE SCREWS.

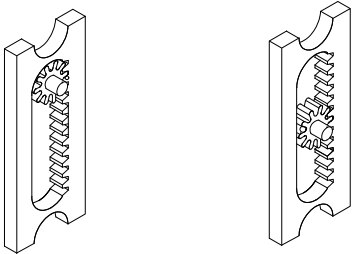
CONCEALED BOLTS ENGAGEMENT INTO FRAMES = 1/2" MIN. TYP.



OPTION # 04:

POSITIONING RETRACTOR AS SHOWN FOR NL OR HB FUNCTIONS.

INSTALL RETRACTOR AS SHOWN BELOW FOR BOTH RHR AND LHR DOORS;THIS MAKES ALL KEYS FUNCTION IN THE SAME DIRECTION.



HOLD BACK (HB)

NIGHT LATCH (NL)

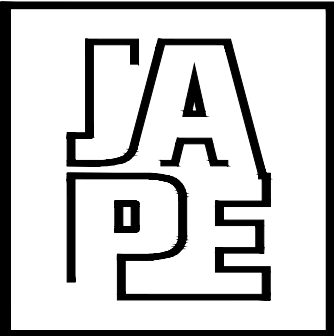
ACTIVE LEAF:

SURFACE MOUNT 3 POINT MORTISE LOCK SYSTEM BY 'INTERLOCK USA' KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR LEVER TYPE HANDLE AT 40" FROM BOTTOM ACTIVATES SHOOT BOLTS ENGAGING AT HEAD AND SILL  
FASTENED WITH  
(2) #10 x 3/4" FH SMS.

INACTIVE LEAF:

SURFACE MOUNT 2 POINT LOCK SYSTEM BY 'INTERLOCK USA' LEVER TYPE HANDLE AT 40" FROM BOTTOM ACTIVATES SHOOT BOLTS ENGAGING AT HEAD AND SILL .  
FASTENED WITH  
(2) #10 x 3/4" FH SMS.

| Length Minimum door size (non-EL) |     | Minimum door size (EL) |
|-----------------------------------|-----|------------------------|
| 30"                               | 24" | 28 1 /2 "              |
| 36"                               | 30" | 34 1 /2 "              |
| 42"                               | 36" | 40 1 /2 "              |
| 48"                               | 42" | 46 1 /2 "              |



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PROJECT :

SERIES ES-9000  
ALUMINUM OUTSWING  
ENTRANCE DOOR  
(L.M.I. & S.M.I.)

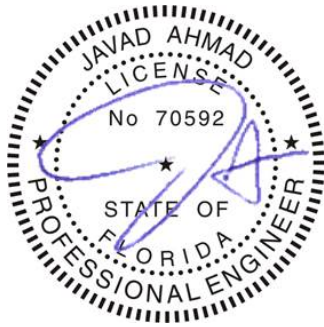
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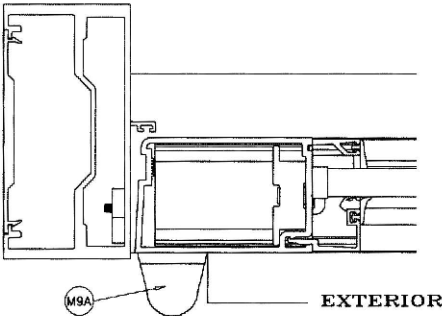


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**HINGES:**  
SEE TABLES ON SHEETS 2 THRU 6 FOR LOAD CAPACITIES).

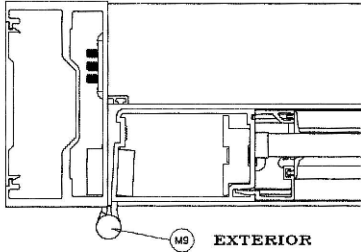
**OPTION # 01:**

OFFSET PIVOT HINGES  
ALUMINUM AT TOP AND BOTTOM  
FASTENED TO FRAME AND THRESHOLD WITH  
#10-24 x 1/2" FH THREAD CUTTING SCREWS  
(2) AT THRESHOLD, (2) AT JAMB BOTTOM  
(3) AT FRAME HEAD  
HEAVY DUTY BRASS OR BRONZE AT MIDSPAN  
FASTENED TO FRAME AND LEAF WITH  
(4) 1/4-20 x 5/8" MS



**OPTION # 02:**

4 x 4-3/4" ST. STEEL BALL BEARING BUTT HINGES  
LOCATED AT  
11" FROM TOP & BOTTOM AND AT MIDSPAN  
FASTENED TO DOOR FRAME AND LEAF STILE WITH  
(4) #12-24 x 1/2" FH MACHINE SCREWS PER HASP



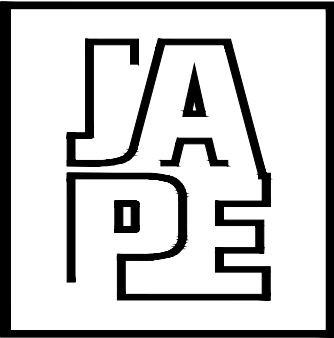
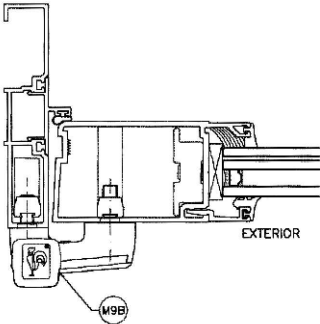
**OPTION # 2.1:**

4 x 4-3/4" ST. STEEL BALL BEARING BUTT HINGES  
(4) PER LEAF  
(1) AT 9-5/8" FROM TOP TO CL OF HINGE  
(1) AT 10-5/16" FROM BOTTOM TO CL OF HINGE  
(2) INTERMEDIATE HINGES EQUALLY SPACED FROM  
TOP AND BOTTOM HINGE  
FASTENED TO DOOR FRAME AND LEAF STILE WITH  
(4) #12-24 x 1/2" FH MACHINE SCREWS PER HASP

**OPTION # 03:**

LIMIT MAX. LOADS TO ±90.0 PSF

SERIES 60AT (DR HAHN A701) DIE CAST ALUMINUM  
HINGE BY 'DR HAHN'  
(2) HINGES PER LEAF AT 6" FROM TOP & BOTTOM.



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PROJECT :

SERIES ES-9000  
ALUMINUM OUTSWING  
ENTRANCE DOOR  
(L.M.I. & S.M.I.)

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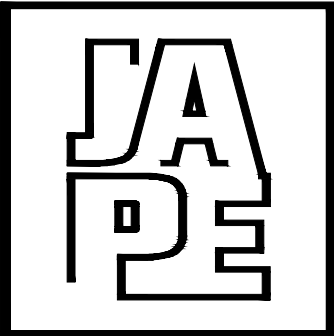
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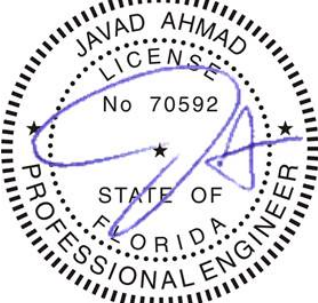
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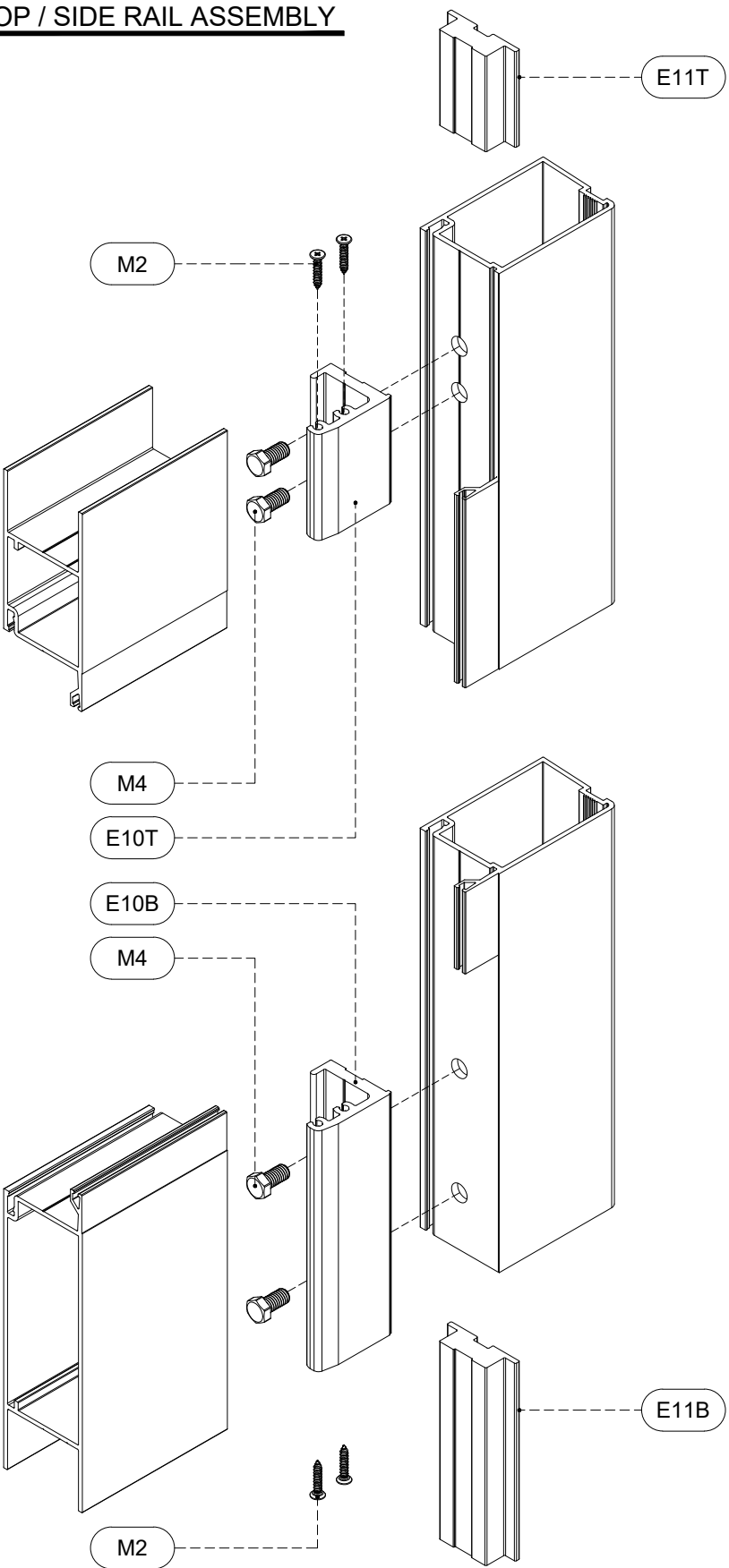


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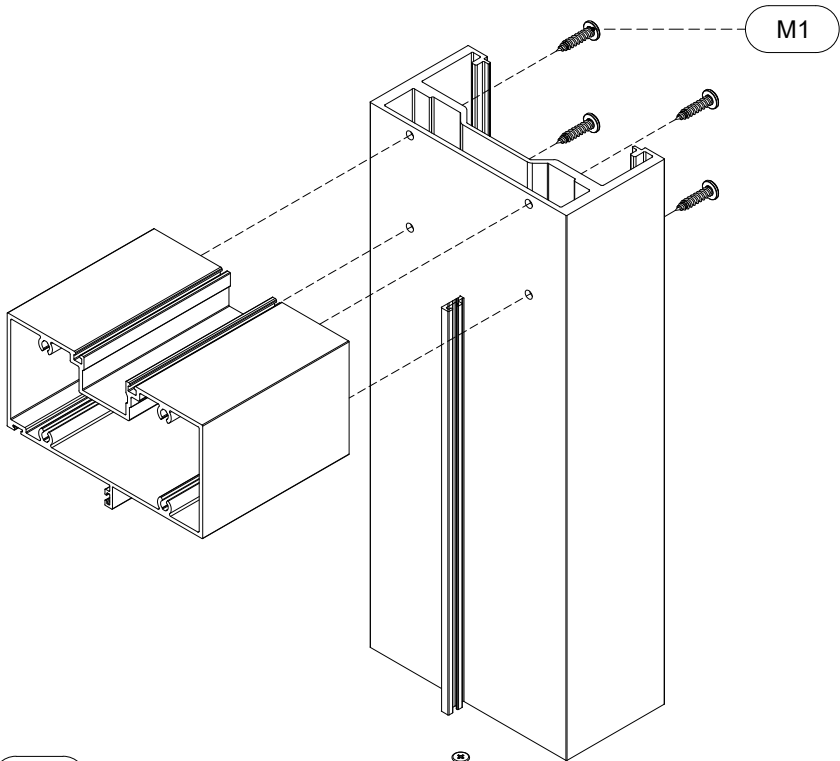
INSTALLATION DET.

SHEET No.  
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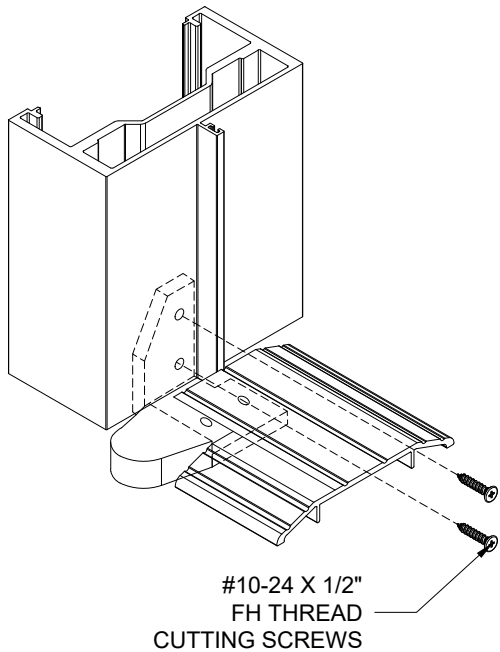
TOP / SIDE RAIL ASSEMBLY



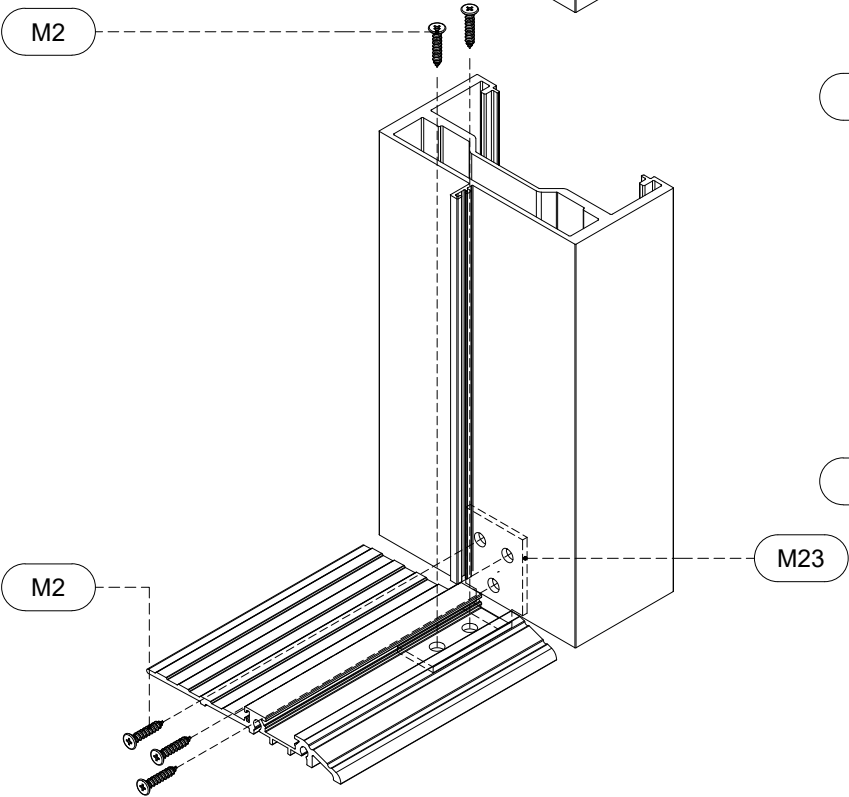
FRAME TOP CORNER



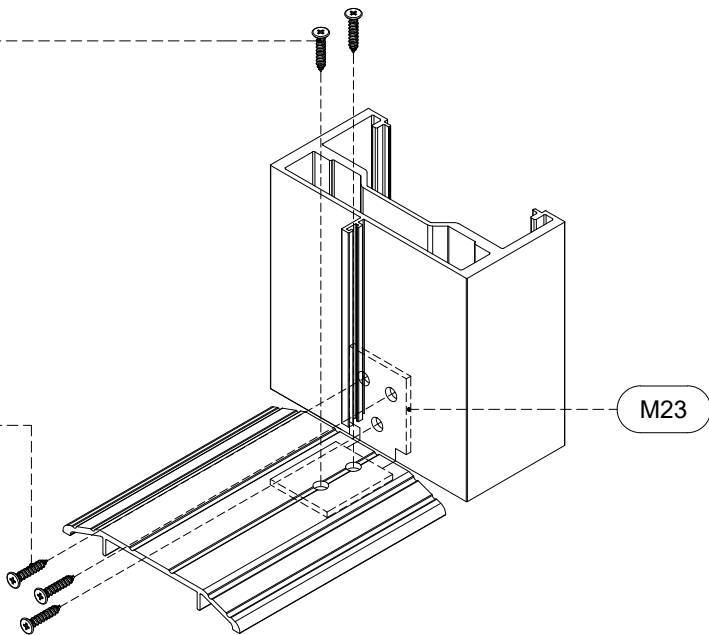
PIVOT THRESHOLD CORNER



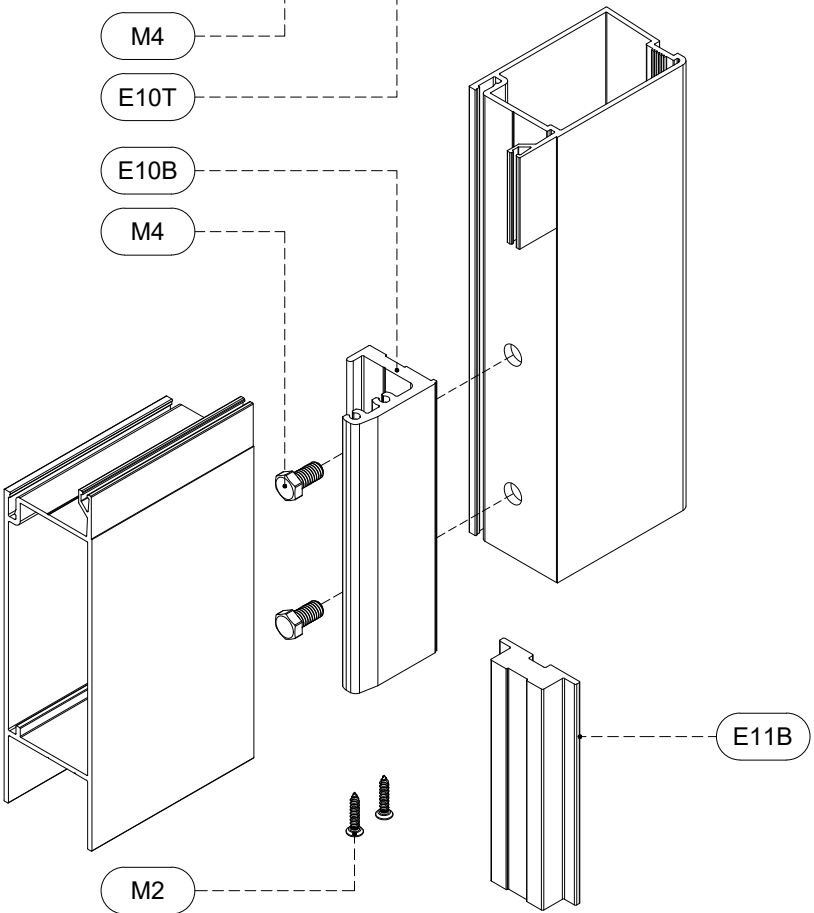
THRESHOLD CORNER



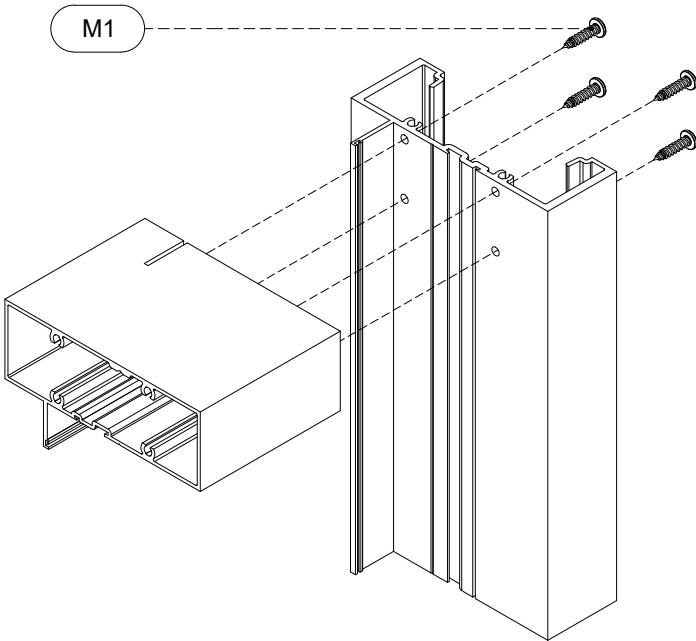
THRESHOLD CORNER



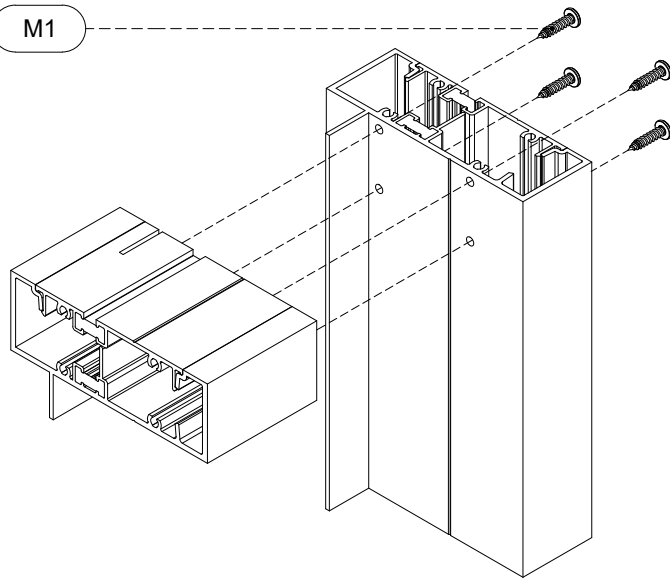
BOTTOM / SIDE RAIL ASSEMBLY



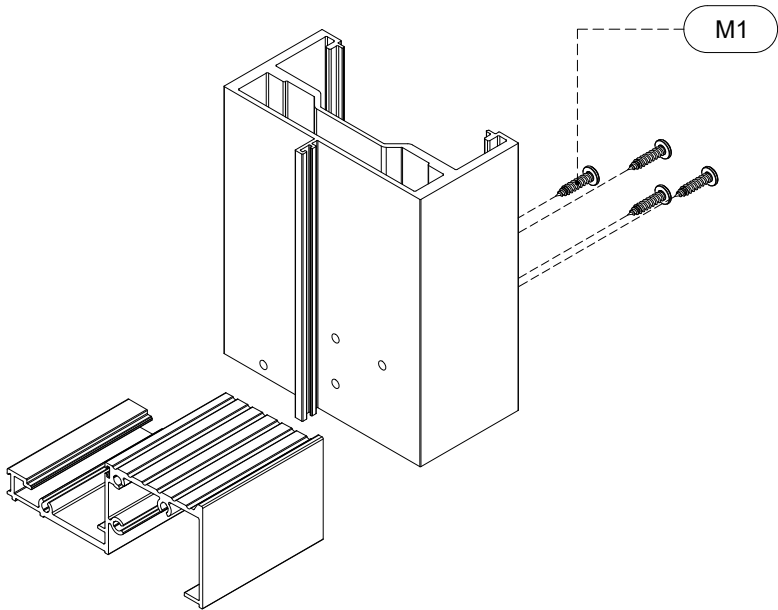
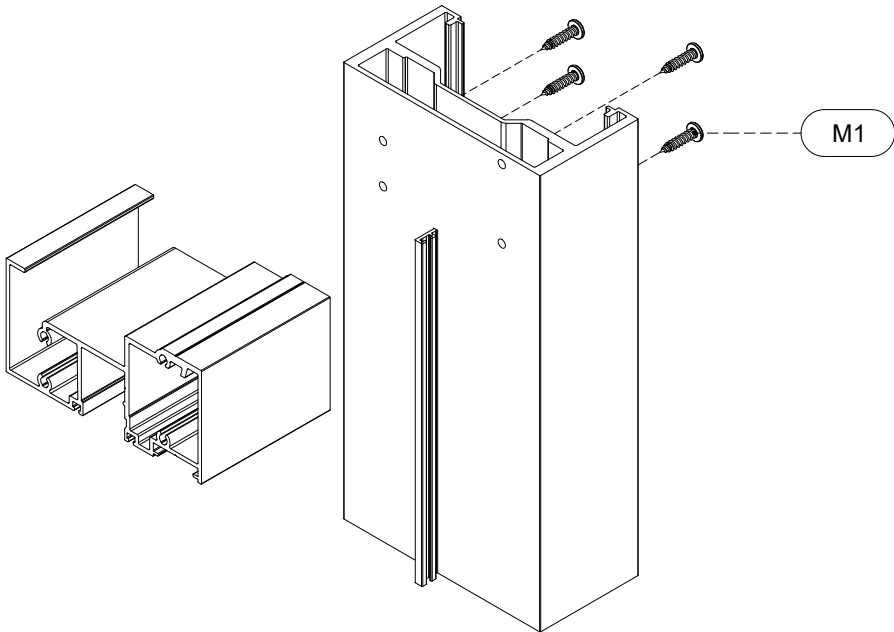
TRANSOM CORNER - SERIES 8000 WINDOW WALL



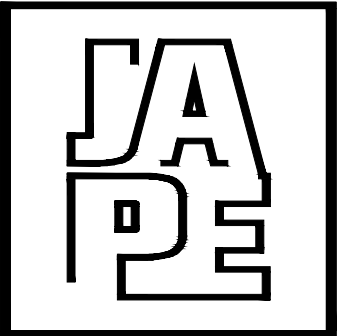
TRANSOM CORNER - SERIES 8000T WINDOW WALL



TRANSOM CORNER - SERIES 9500 WINDOW WALL



SINGLE DOOR - MID OR HIGH THRESHOLD



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PROJECT :

SERIES ES-9000  
ALUMINUM OUTSWING  
ENTRANCE DOOR  
(L.M.I. & S.M.I.)

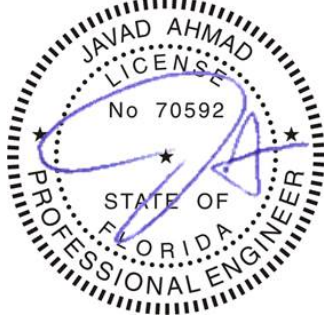
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INSTALLATION DET.

SHEET No.  
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