FL# 48398.1

SERIES 9000 ALUMINUM INSWING DOOR
LARGE MISSILE IMPACT (L.M.I.)

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF 9TH EDITION 2026 FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

-DOOR IS DESIGNED TO BE USED AT LARGE MISSILE AREA. SHUTTER IS NOT REQUIRED.

-DOOR TESTED FOR IMPACT LEVEL E.

-DOORS NOT APPROVED FOR HABITABLE AREAS WHEN WATER INFILTRATION REQUIREMENTS ARE NEEDED UNLESS PROTECTED BY OVER HANG WITH RATIO:
LENGTH TO HEIGHT GREATER THAN 1.0. SEE NOTE 1 ON SHEET D1.

- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 8TH EDITION FLORIDA BUILDING CODE (2023) & 6TH EDITION FLORIDA BUILDING CODE (2026)

- WOOD BUCKS/ METAL STRUCTURES BY OTHERS TO BE DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.

- ULTIMATE LOAD OBTAINED FROM ASCE 7-22, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.

-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.

-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.

-SEALANTS:
ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH SILICONE SEALANT.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-22 STANDARD.

STEP 2: SEE SHEET G1 FOR GLASS OPTIONS APPROVED FOR DOOR AND TRANSOM.

STEP 3: SEE TYPICAL ELEVATIONS ON SHEET E1 & E2 FOR MAXIMUM SIZES AND DESIGN LOADS FOR SINGLE OR DOUBLE DOOR W/O TRANSOM.

STEP 4: DOOR WITH TRANSOM SEE SHEET E3 & E4.

STEP 5: ANCHOR OPTIONS ON SHEET A1&A2. SEE SHEET E1 TO E4 FOR ANCHOR SPACING OR NO. OF ANCHORS REQ. & ITS CAPACITIES.

STEP 6: THE LOWEST VALUE RESULTING FROM STEPS 2 TO 5 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THRU STEP 1 SHALL APPLY TO ENTIRE SYSTEM

ABBREVIATIONS AND SYMBOLS

D.L.O. - DAYLITE OPENING
F.H. - FRAME HEIGHT
F.W. - FRAME WIDTH
LG. - LONG
STL. - STEEL
ALUM. - ALUMINUM
MULL. - MULLION
HORIZ. - HORIZONTAL
W/ - WITH
W/O - WITHOUT
VERT.- VERTICAL
T.H.- TRANSOM HEIGHT

℄ - CENTER LINE
S.S. - STAINLESS STEEL
H.S. - HEAT STRENGTHENED
SSG - STRUCTURAL SILICONE GLAZED
TEMP. - TEMPERED
O.C. - ON CENTER
G.B. - GLASS BITE

SECTION NUMBER
X
XX
SHEET NUMBER

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

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

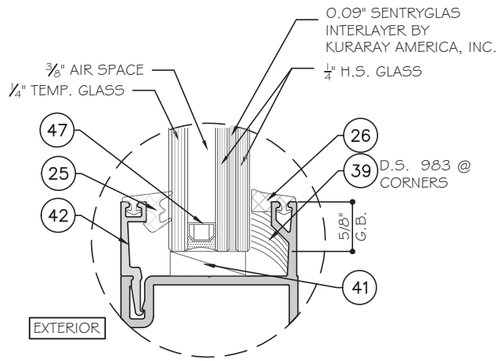
JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

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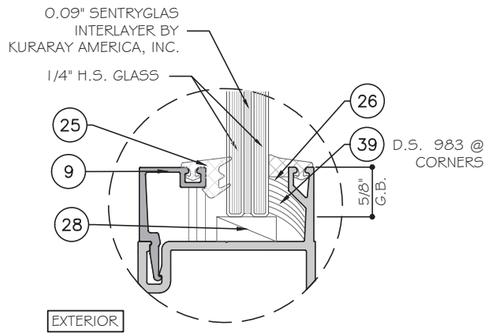
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SHEET No. 01 OF 20

FL# 48398.1

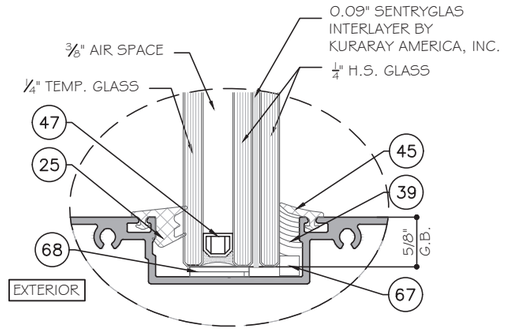


G1 1 3/16" INSULATED LAMINATED GLASS
GLASS GLAZING DETAIL DOOR
LEAF (ACT/INACT)

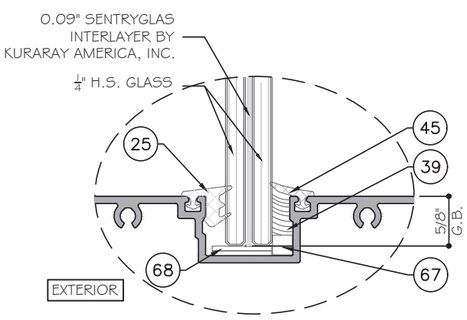


G3 9/16" LAMINATED GLASS
GLASS GLAZING DETAIL DOOR
LEAF (ACT/INACT)

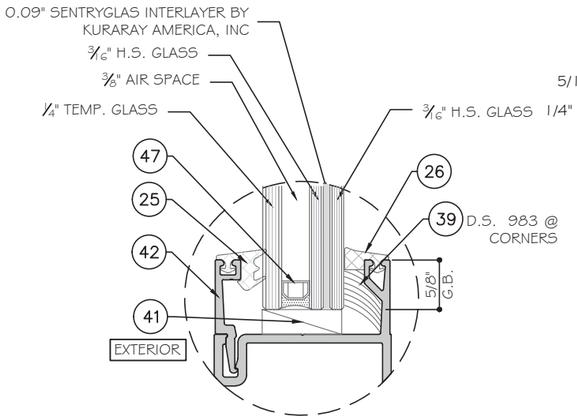
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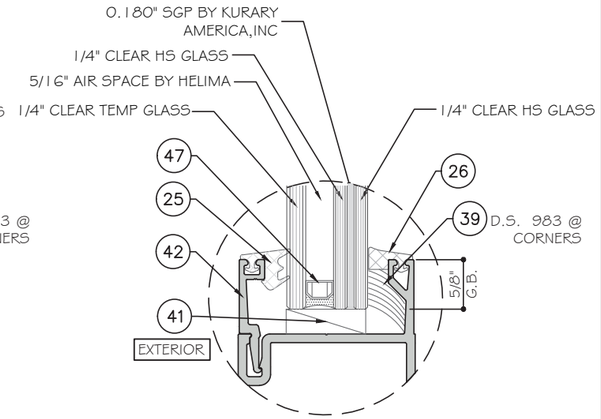
G1 1 3/16" INSULATED LAMINATED GLASS
GLASS GLAZING DETAIL
AT TRANSOM



G3 9/16" LAMINATED GLASS
GLASS GLAZING DETAIL
AT TRANSOM

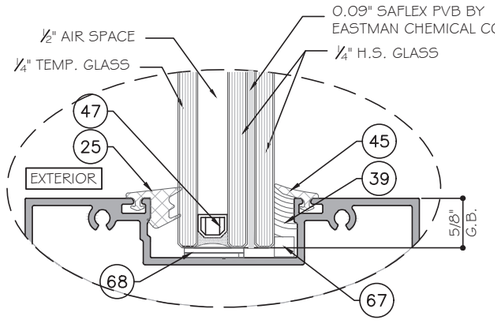


G4 1 1/8" INSULATED LAMINATED GLASS
GLASS GLAZING DETAIL DOOR
LEAF (ACT/INACT)

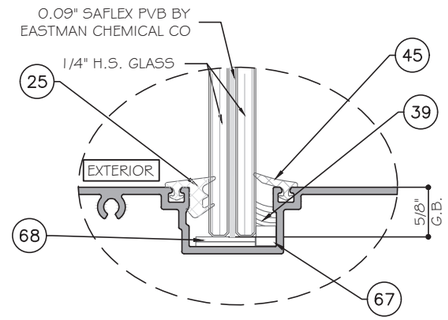


APPLIES TO LEVEL-E

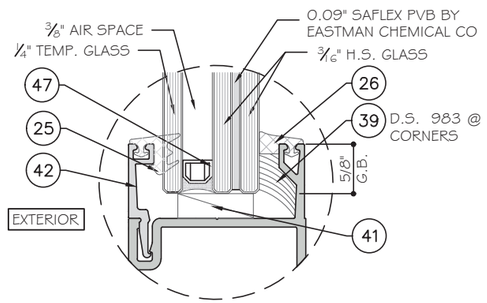
G2 1 1/8" INSULATED LAMINATED GLASS
GLASS GLAZING DETAIL DOOR
LEAF (ACT/INACT)



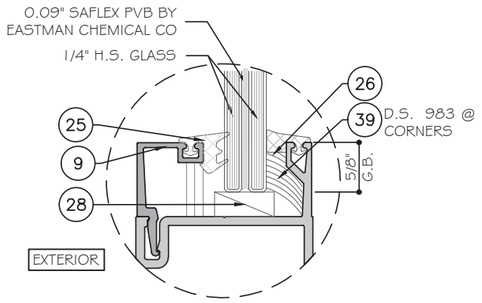
G7 1 5/16" INSULATED LAMINATED GLASS
GLASS GLAZING DETAIL
AT TRANSOM



G5 9/16" LAMINATED GLASS
GLASS GLAZING DETAIL
AT TRANSOM



G6 1 1/8" INSULATED LAMINATED GLASS
GLASS GLAZING DETAIL DOOR
LEAF (ACT/INACT)

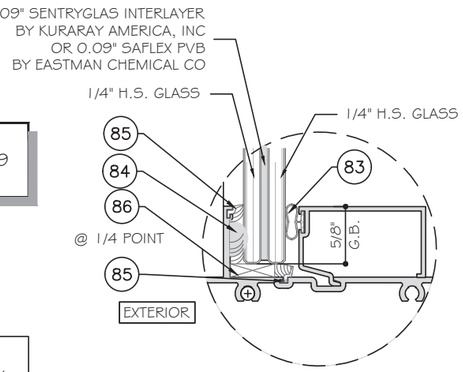


G5 9/16" LAMINATED GLASS
GLASS GLAZING DETAIL DOOR
LEAF (ACT/INACT)

NOTE:
GLASS COMPLIES WITH ASTM E1300-09
(3 SEC. GUSTS).

SETTING BLOCK:
TWO BLOCK PER DOOR LITE
TWO BLOCK PER TRANSOM LITE

47 SPACER:
3/8" AIR SPACE WITH 'HELIMA' LOW PROFILE ALUMINUM SPACER BY 'LINGERMANN GMBH'.
AROUND THE PERIMETER OF GLASS.



G3 G5 9/16" LAMINATED GLASS
GLASS GLAZING DETAIL
AT ES-8000 TRANSOM

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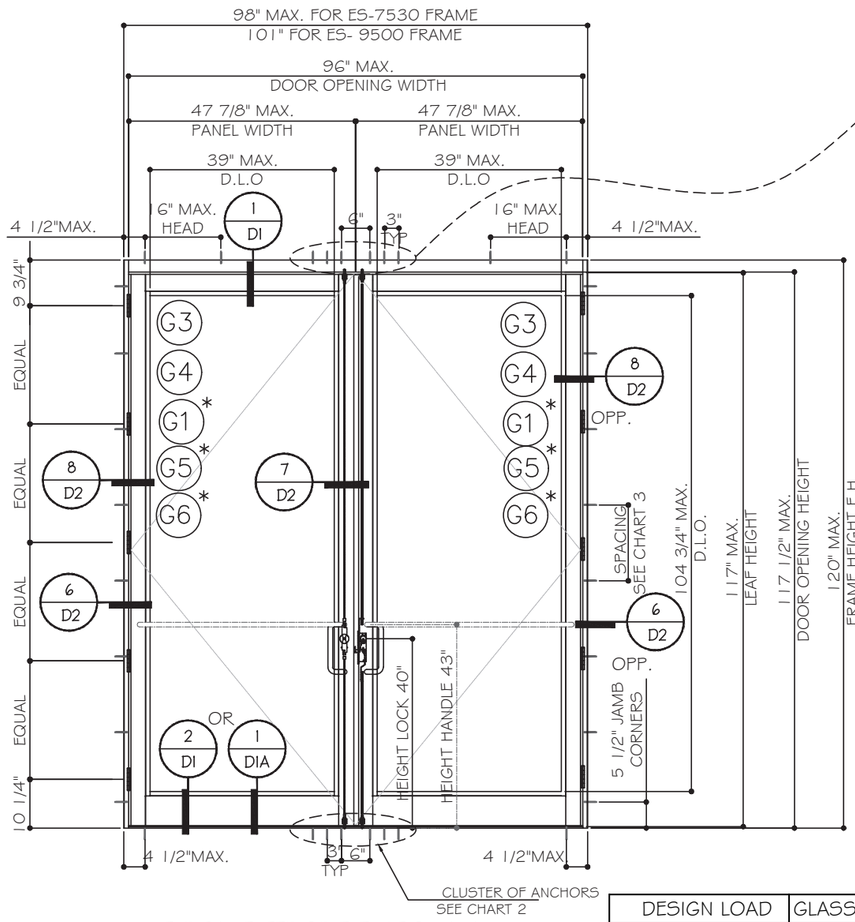
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GLASS SPECS

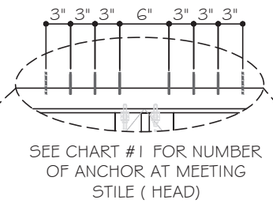
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02 OF 20

FL# 48398.1

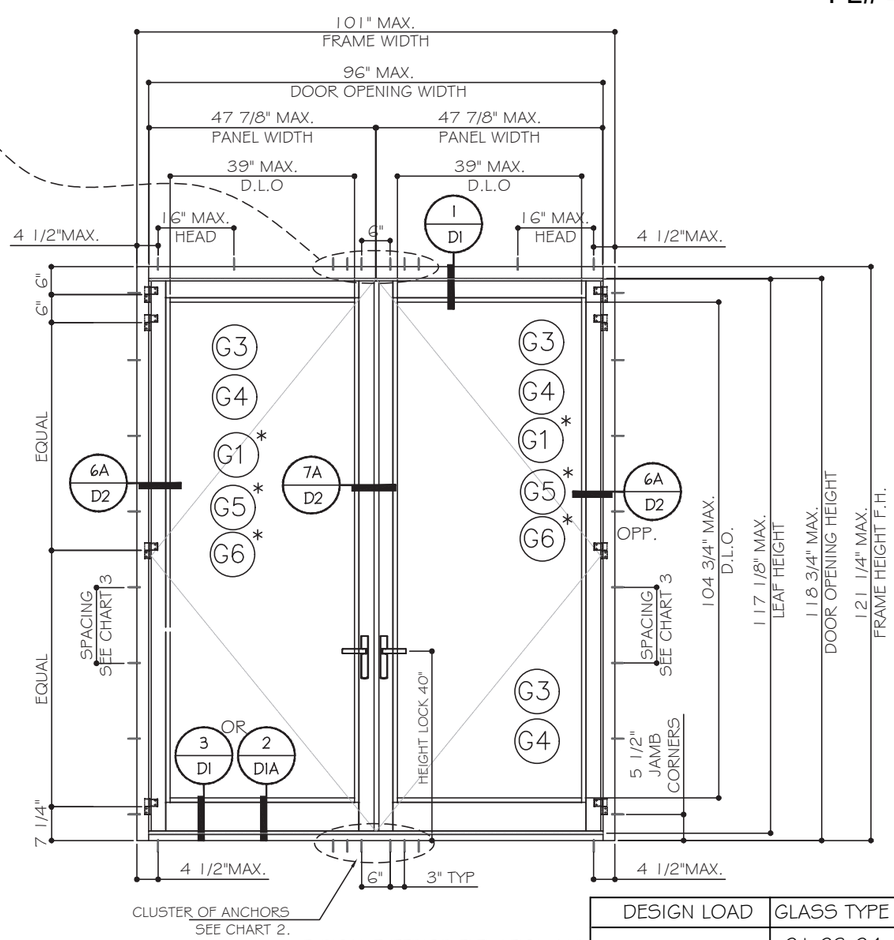


TYPICAL EXTERIOR ELEVATION (XX)

STANDARD THRESHOLD
SEE SHEET H1 FOR LOCKS OPTION



DESIGN LOAD	GLASS TYPE	LOCK OPT.
+90 ,-90 PSF	G1,G3,G4, G5,G6,G7	SHEET H1
+100 ,-130 PSF	G2	SHEET H2



TYPICAL EXTERIOR ELEVATION (XX)

W/ ES-9500 JAMB &
HIGH THRESHOLD
SEE SHEET H1 FOR LOCKS OPTION

DESIGN LOAD	GLASS TYPE	LOCK OPT.
+90 ,-90 PSF	G1,G3,G4, G5,G6,G7	SHEET H1
+100 ,-130 PSF	G2	SHEET H2

CHART # 1:				DOUBLE DOOR (XX) HEAD ANCHOR CAPACITIES (psf)						
				1/4" SHIM	3/8" SHIM		1/2" SHIM			
DOOR OPEN'G (PANEL) WIDTH	DOOR OPENING HEIGHT	DOOR FRAME WIDTH	DOOR FRAME Height	CLUSTER OF	CLUSTER OF		CLUSTER OF			
				6	6	7	6	7	8	6
				ANCHOR B & D	ANCHOR A & B	ANCHOR A & B	ANCHOR A & B	ANCHOR A & B	ANCHOR A & B	ANCHOR C
75	107.5	80	110	130	130	130	130	130	130	130
84	108	89	110.5	90.0	90.0	90.0	83.4	90.0	90.0	90.0
96	108	101	110.5	90.0	83.4	90.0	73.0	85.1	90.0	90.0
72	117.5	77	120	90.0	90.0	90.0	89.6	90.0	90.0	90.0
84	117.5	89	120	90.0	87.8	90.0	76.8	89.6	90.0	90.0
96	117.5	101	120	90.0	76.8	89.6	67.2	78.4	89.6	90.0

CHART # 2:				DOUBLE DOOR (XX) SILL ANCHOR CAPACITIES (psf)						
				1/4" SHIM	3/8" SHIM		1/2" SHIM			
DOOR OPEN'G (PANEL) WIDTH	DOOR OPENING HEIGHT	DOOR FRAME WIDTH	DOOR FRAME Height	CLUSTER OF	CLUSTER OF		CLUSTER OF			
				6	6	7	6	7	8	6
				ANCHOR B	ANCHOR B	ANCHOR B	ANCHOR B	ANCHOR B	ANCHOR B	ANCHOR B
75	107.5	80	110	130	130	130	130	130	130	130
84	108	89	110.5	90.0	90.0	90.0	83.4	90.0	90.0	90.0
96	108	101	110.5	90.0	90.0	90.0	73.0	85.1	90.0	90.0
72	117.5	77	120	90.0	90.0	90.0	89.6	90.0	90.0	90.0
84	117.5	89	120	90.0	90.0	90.0	76.8	89.6	90.0	90.0
96	117.5	101	120	90.0	84.9	90.0	67.2	78.4	89.6	90.0

CHART 3:		DOUBLE DOOR JAMB ANCHOR CAPACITIES (psf)						
		1/4" SHIM		3/8" SHIM		1/2" SHIM		
DOOR PANEL WIDTH	DOOR FRAME WIDTH	16" O.C.		16" O.C.	8" O.C.	16" O.C.		8" O.C.
		ANCHOR B	ANCHOR D	ANCHOR A,B & B1	ANCHOR A,B & B1	ANCHOR A,B & B1	ANCHOR C	ANCHOR A,B & B1
75	80	130	130	130	130	130	130	130
84	89	90.0	90.0	90.0	90.0	85.8	90.0	90.0
96	101	90.0	90.0	84.1	90.0	76.1	90.0	90.0

* DOOR PANEL HEIGHT LIMITED TO 107.5" WHEN USE GLAZING TYPE (G1) (G2) (G5) (G6) .

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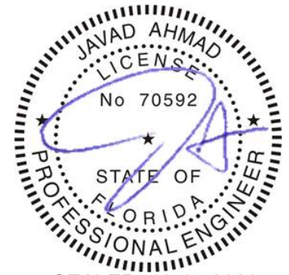
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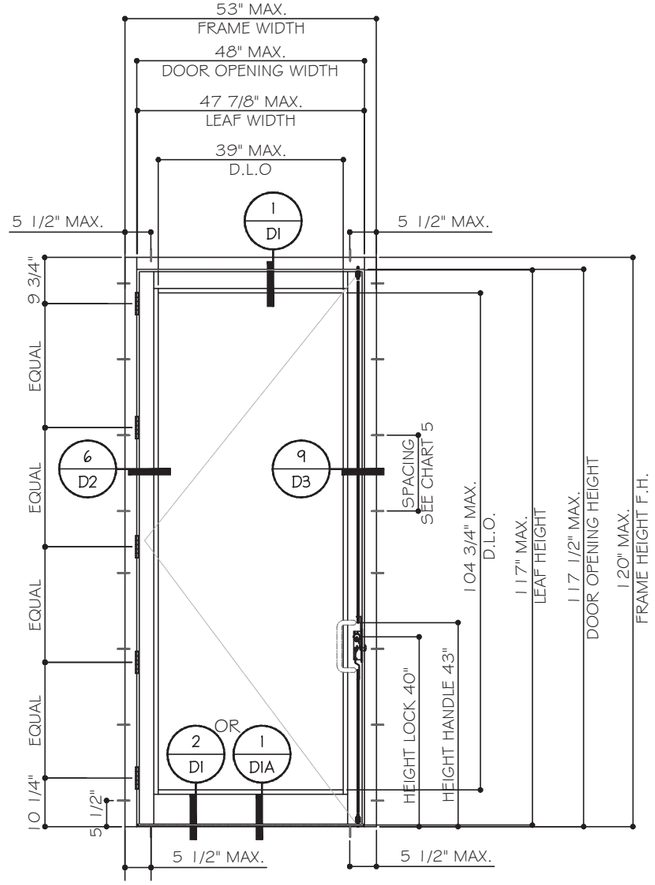


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TYP. ELEV.

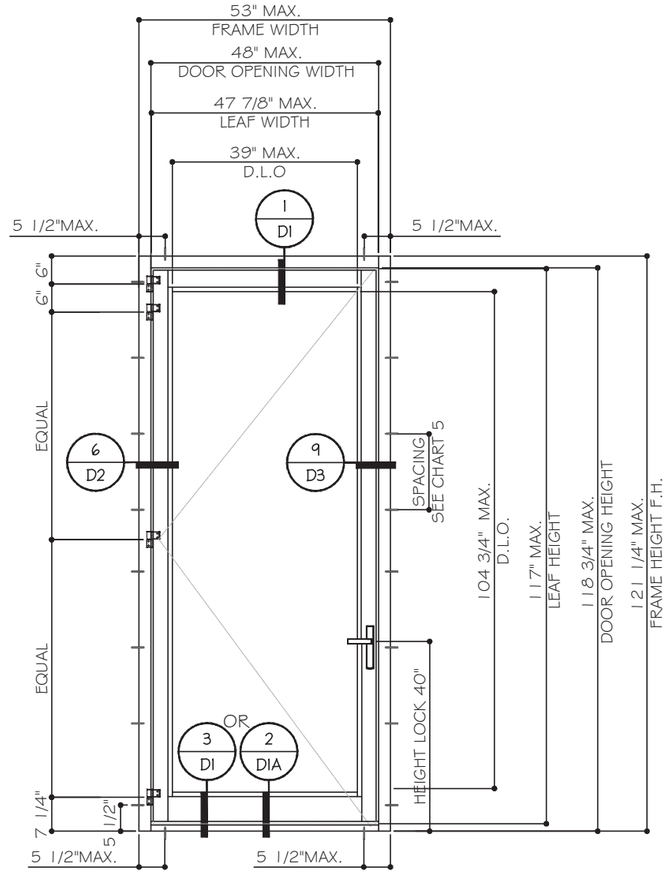
SHEET No.
03 OF 20

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TYPICAL EXTERIOR ELEVATION (X)

W/ ES-9500 JAMB &
STANDARD THRESHOLD
SEE SHEET H1 & H2 FOR LOCKS OPTION



TYPICAL EXTERIOR ELEVATION (X)

W/ ES-9500 JAMB &
HIGH THRESHOLD
SEE SHEET H1 & H2 FOR LOCKS OPTION

CHART #4:		SINGLE LEAF DOOR CAPACITIES (psf)							
DOOR PANEL WIDTH	DOOR FRAME HEIGHT	GLASS TYPE G1 G5 G6		GLASS TYPE G4		GLASS TYPE G3		GLASS TYPE G2	
48	110	+90	-90	+90	-90	+90	-120.0	+100	-130
48	120	-	-	+90	-90	+90	-120.0	+100	-130

CHART #5:		SINGLE LEAF DOOR JAMB ANCHOR CAPACITES (psf)						
DOOR PANEL WIDTH	DOOR FRAME WIDTH	1/4" SHIM		3/8" SHIM		1/2" SHIM		
		16" O.C.		16" O.C.	8" O.C.	16" O.C.		8" O.C.
		ANCHOR B	ANCHOR D	ANCHOR A,B & B1	ANCHOR A,B & B1	ANCHOR A,B & B1	ANCHOR C	ANCHOR A,B & B1
36	41	120.0	120.0	109.8	120.0	98.3	120.0	120.0
42	47	120.0	120.0	95.7	120.0	85.8	120.0	120.0
48	53	120.0	120.0	84.9	120.0	76.1	120.0	120.0

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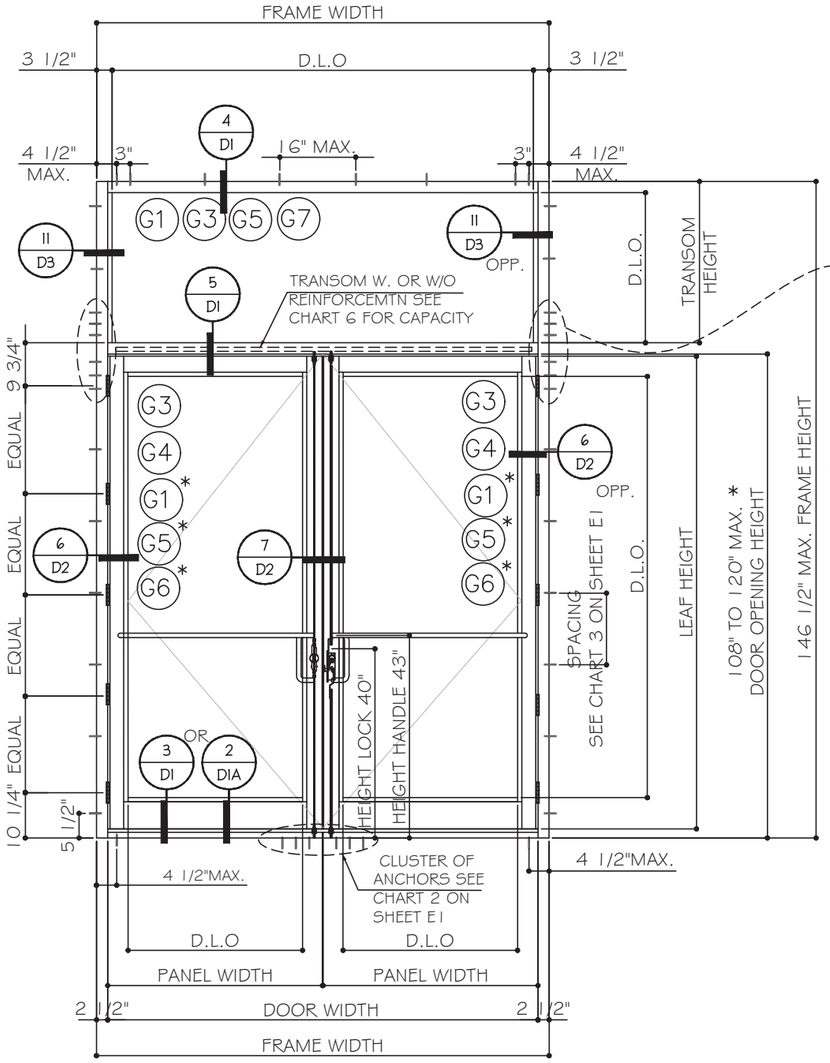
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TYP. ELEV.

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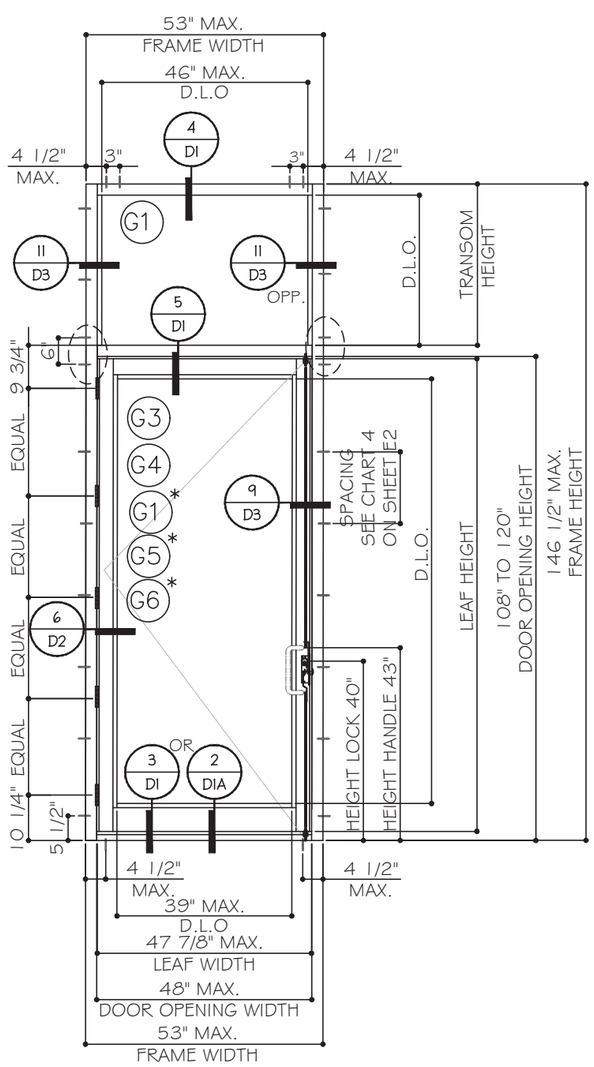
SEE CHART #7 FOR NUMBER OF ANCHOR AT TRANSOM ENDS

TYPICAL EXTERIOR ELEVATION (O/XX)

W/ ES-9500 JAMB &
HIGH THRESHOLD
SEE SHEET H1 FOR LOCKS OPTION
DESIGN LOAD SEE CHART 6

* DOOR PANEL HEIGHT LIMITED TO 108" WHEN USE GLAZING TYPE (G1) (G5) (G6).

CHART #7:		NO. OF ANCHORS REQ. @ TRANSOM ENDS (O/XX)						
DOOR PANEL WIDTH	DOOR FRAME WIDTH	1/4" SHIM		3/8" SHIM			1/2" SHIM	
		ANCHOR A & B1	ANCHOR A & B1	ANCHOR A & B1	ANCHOR B	ANCHOR C	ANCHOR A, B &B1	ANCHOR C
# ANCHOR REQ.		6	4	6	5	3	7	4



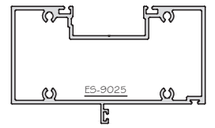
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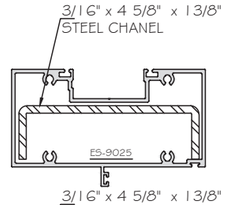
DESIGN LOAD:
+90 PSF
-90 PSF

CHART 6:

TRANSOM MULLION CAPACITY - PSF FOR O/XX DOOR				
FRAME HEIGHT	DOOR WIDTH	MIN DOOR HEIGHT	WITHOUT REINFORCEMENT	WITH REINFORCEMENT
(IN)	(IN)	(IN)	(+/-) PSF	(+/-) PSF
120	72	80	90.0	90.0
	84	80	76.0	90.0
	96	82	58.0	90.0
126	72	80	90.0	90.0
	84	82	73.0	90.0
	96	88	55.5	90.0
132	72	80	90.0	90.0
	84	88	70.0	90.0
	96	94	53.0	90.0
138	72	87	90.0	90.0
	84	94	67.0	90.0
	96	100	50.0	89.0
146.5	72	96	85.0	90.0
	84	102.5	63.0	90.0
	96	108	47.5	84.0



TRANSOM W/O REINF.



TRANSOM W/ REINF.

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PROJECT :

SERIES ES-9000 ALUMINUM INSWING DOOR SYSTEM (LARGE MISSILE IMPACT)

CLIENT :

ES WINDOWS, LLC
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MIAMI, FL 33142
TEL. (305) 638-5151 | FAX. (305) 638-5158

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date:	8/21/2026
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check by:	
Drawing no.	JA-1595-26

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

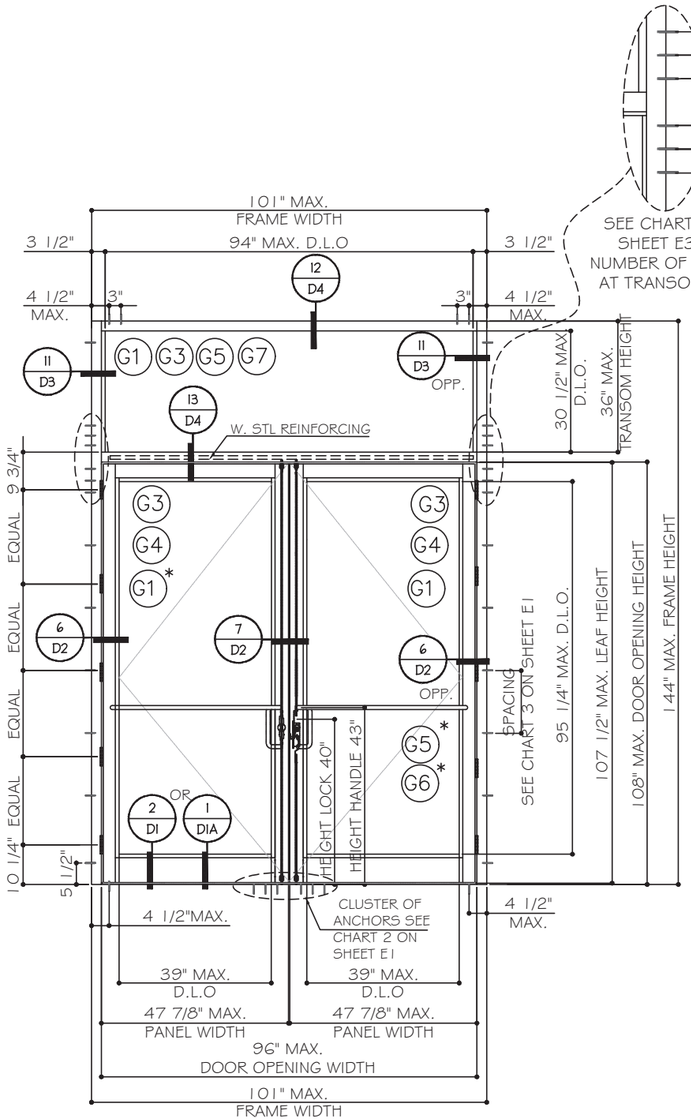
JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEALED: 10-15-2026

TRANSOM TAB.

SHEET No. 05 OF 20

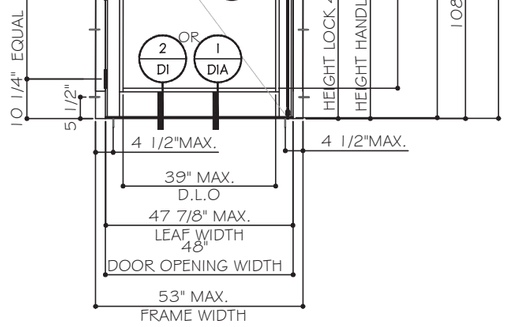
FL# 48398.1



TYPICAL EXTERIOR ELEVATION (O/XX)

W/ ES-8000 FRAME
STANDARD THRESHOLD
SEE SHEET H1 FOR LOCKS OPTION

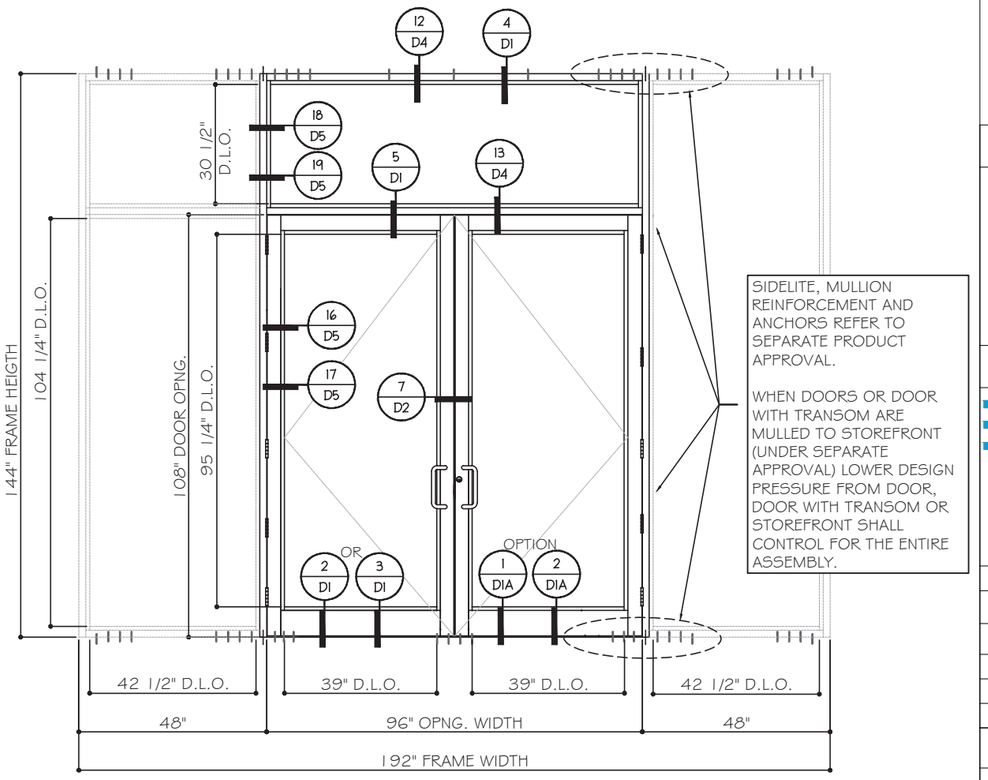
TRANSOM MULLION CAPACITY FOR LAM GLASS - PSF FOR O/XX DOOR			
FRAME HEIGHT	DOOR WIDTH	DOOR HEIGHT	WITH REINFORCEMENT
(IN)	(IN)	(IN)	(+/-) PSF
144	96	108	90.0



TYPICAL EXTERIOR ELEVATION (O/X)

W/ ES-9500 JAMB &
STANDARD THRESHOLD
SEE SHEET H1 FOR LOCKS OPTION

TRANSOM MULLION CAPACITY FOR LAM GLASS - PSF FOR O/X DOOR			
FRAME HEIGHT	DOOR WIDTH	DOOR HEIGHT	WITHOUT REINFORCEMENT
(IN)	(IN)	(IN)	(+/-) PSF
144	53	108	90.0



SIDELITE, MULLION REINFORCEMENT AND ANCHORS REFER TO SEPARATE PRODUCT APPROVAL.

WHEN DOORS OR DOOR WITH TRANSOM ARE MULLED TO STOREFRONT (UNDER SEPARATE APPROVAL) LOWER DESIGN PRESSURE FROM DOOR, DOOR WITH TRANSOM OR STOREFRONT SHALL CONTROL FOR THE ENTIRE ASSEMBLY.

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JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEALED: 10-15-2026

TYP. ELEV.

SHEET No. 06 OF 20

FL# 48398.1

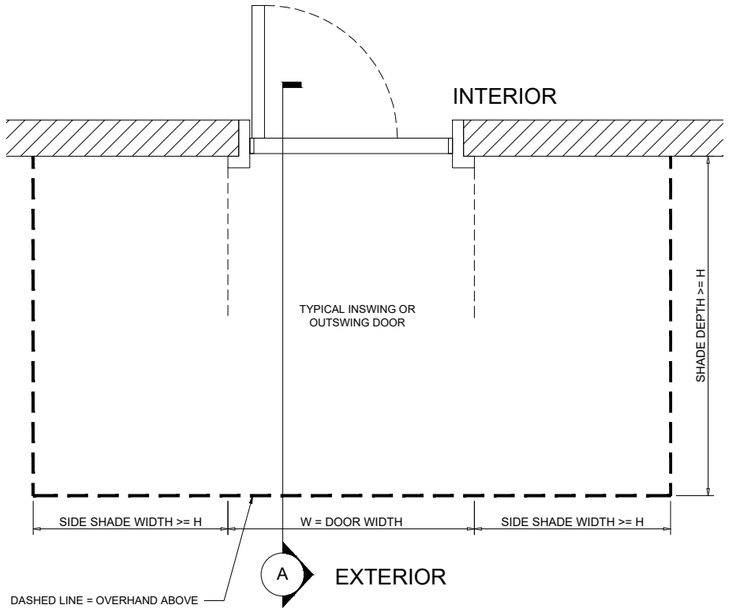
OVERHANG PROTECTION

WHERE OVERHANG PROTECTION IS REQUIRED BY THIS APPROVAL, PROVIDE AN OVERHANG RATIO OF OH LENGTH / OH HEIGHT ≥ 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.

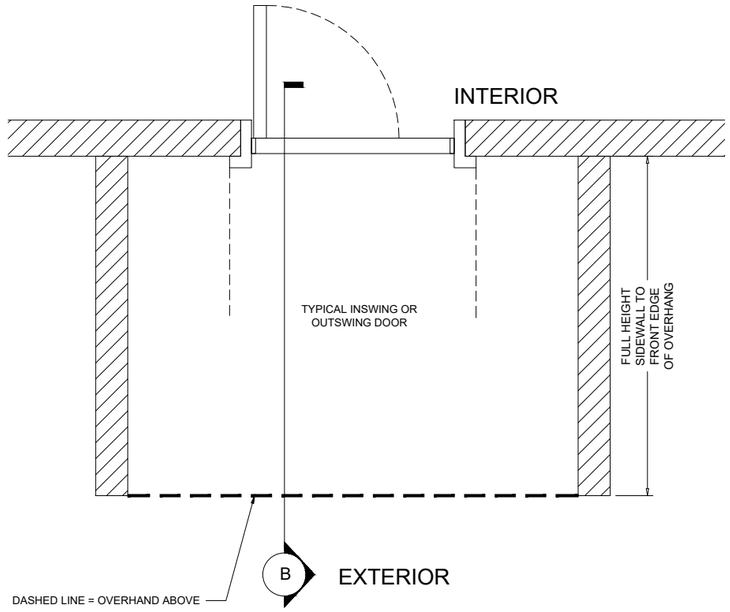
FOR OPEN-SIDED INSTALLATIONS, THE OVERHANG SHALL COVER THE PROTECTIVE ENVELOPE SHOWN IN FIGURE A. FOR A RECTANGULAR OVERHANG, PROVIDE A MINIMUM OUTWARD PROJECTION EQUAL TO OH HEIGHT AND A MINIMUM LATERAL EXTENSION EQUAL TO OH HEIGHT BEYOND EACH SIDE JAMB.

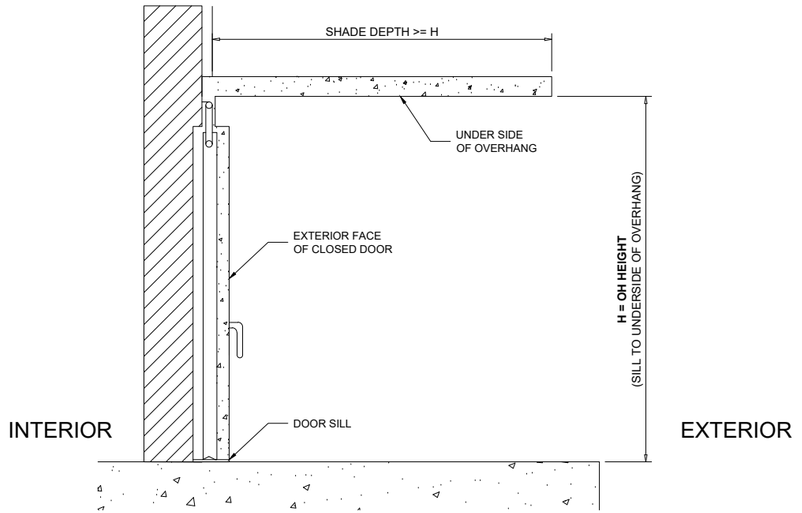
WHERE FULL-HEIGHT SIDEWALLS ARE PROVIDED ON BOTH SIDES OF THE DOOR, EXTENDING TO THE UNDERSIDE AND FRONT EDGE OF THE OVERHANG, THE OVERHANG SHALL SPAN BETWEEN THE SIDEWALLS AND PROJECT OUTWARD NOT LESS THAN OH HEIGHT, CONSISTENT WITH FIGURE B. OVERHANG GEOMETRY SHALL CONFORM TO FIGURES A AND B OF FBC–BUILDING,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

PLAN VIEW (OVERHANG ABOVE)



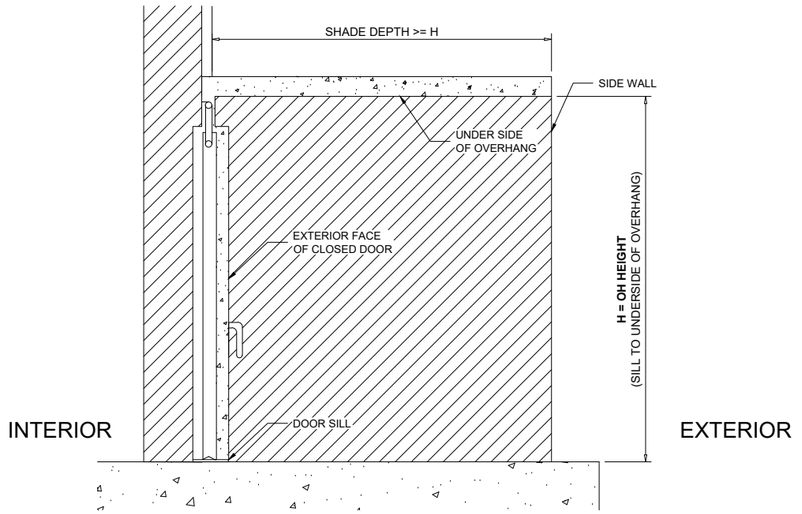
PLAN VIEW (OVERHANG ABOVE)





A SECTION THROUGH DOOR

OPEN SIDED RECTANGULAR OVERHANG



B SECTION THROUGH DOOR

FULL-HEIGHT SIDEWALLS

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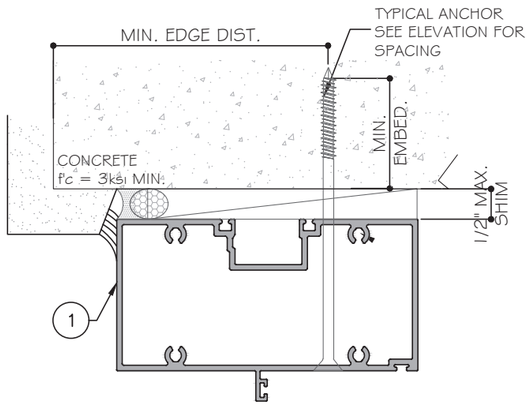
JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

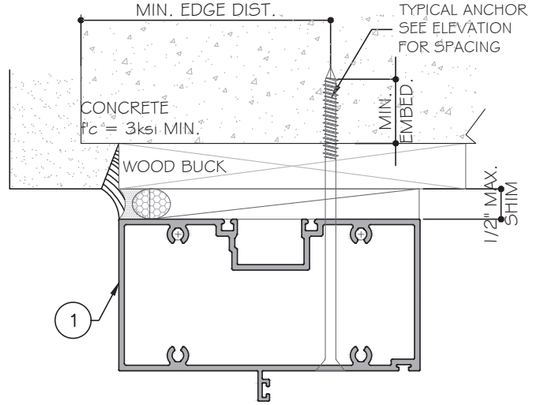
SEALED: 10-15-2026

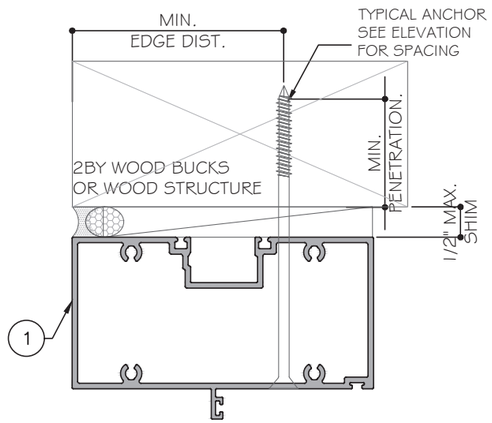
OH PROTECTION

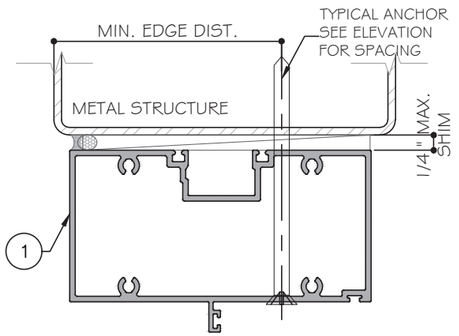
SHEET No. 6.1 OF 20

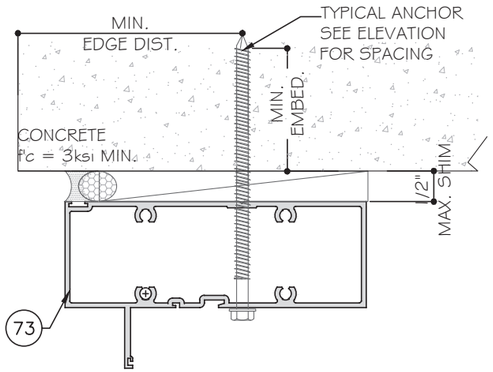
FL# 48398.1

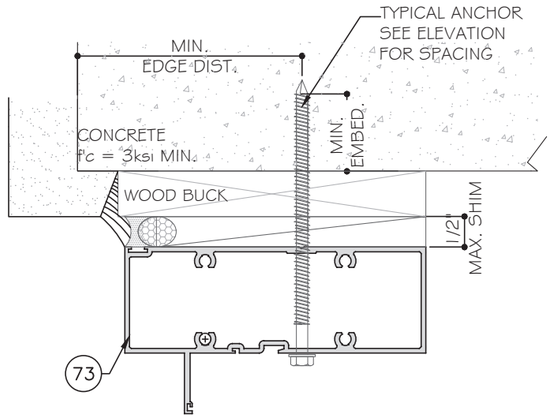


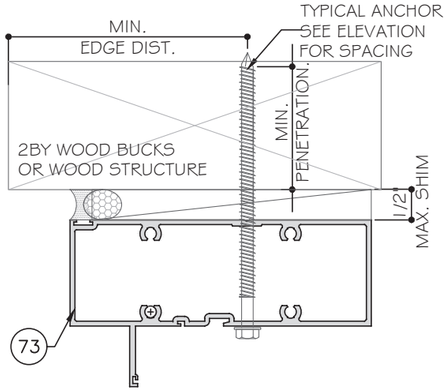


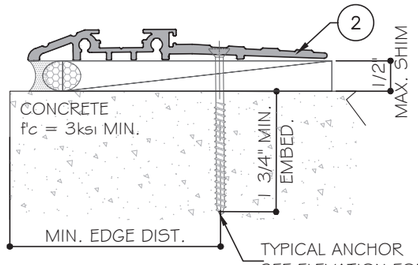


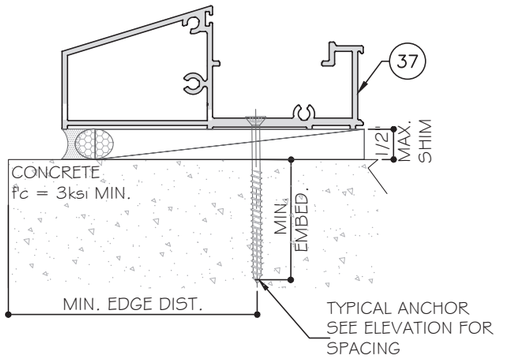












TYPICAL ANCHOR TYPES:

TYPE "A": 1/4" DIA. ULTRACON+ BY DEWALT (Fu=164 KSI, Fy=148 KSI)
INTO 2X WOOD BUCK OR WOOD STRUCTURE
WITH 1 1/2" MIN.PENETRATION. (HEAD/ JAMB)

THRU 1X WOOD BUCK INTO CONCRETE WITH 1 3/4 " MIN. EMBED (HEAD/ JAMB)

THRU 1X WOOD BUCK INTO HOLLOW BLOCK WITH 1 1/4" MIN. EMBED
OR INTO GROUT FILLED BLOCK WITH 1 3/4" MIN. EMBED. (JAMB ONLY)

TYPE "B": 1/4" DIA. ULTRACON+ BY DEWALT (Fu=164 KSI, Fy=148 KSI)
1 3/4" MIN. EMBED INTO CONCRETE (HEAD/ JAMB/ SILL)

TYPE "B1": 1/4" DIA. ULTRACON+ BY DEWALT (Fu=164 KSI, Fy=148 KSI)
1 1/4" MIN. EMBED INTO HOLLOW BLOCK (6" MIN O.C.) (JAMB ONLY)

1 3/4" MIN. EMBED INTO GROUT FILLED BLOCK (4" MIN O.C.) (JAMB ONLY)

TYPE "C": 5/16" DIA. ULTRACON BY DEWALT (Fu=177 KSI, Fy=155 KSI)
1 3/4" MIN. EMBED INTO CONCRETE. (HEAD/ JAMB/ SILL)

TYPE "D": 1/4" SMS OR TEKS (GRADE 5) (Fu=120 KSI, Fy=92 KSI)
INTO METAL STRUCTURE OR FLORIDA APPROVED MULLION.
(3) THREADS MIN. PENETRATION BEYOND METAL SUBSTRATE.
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.) (HEAD/ JAMB)
STEEL: 1/8" THK. MIN. (Fy=36ksi MIN.) (HEAD/ JAMB)
(STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED.)

ANCHOR EDGED DISTANCE:
INTO CONCRETE & MASONRY= 2 1/2" MIN.
INTO WOOD STRUCTURE = 1 1/4" MIN.
INTO METAL = 3/4"

CONCRETE AT HEAD, SILL OR JAMB f'c=3000 PSI MIN.
C-90 HOLLOW /FILLED BLOCK AT JAMB f'm=2000 PSI MIN.
WOOD SG=0.55 MIN.

PRIMARY SEALANT:
SILICONE
DOWSIL 791
GE 2000

NOTE: METAL STRUCTURE AND WOOD BUCK OR WOOD STRUCTURES BY OTHERS TO BE DESIGNED AND ANCHORED PROPERLY TO TRANSFER LOAD FROM GLAZING SYSTEM TO BUILDING STRUCTURE.

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JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEALED: 10-15-2026

ANCHOR SPECS.

SHEET No. 07 OF 20

FL# 48398.1

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OR INTO GROUT FILLED BLOCK WITH 1 3/4" MIN. EMBED. (JAMB ONLY)

TYPE "B": 1/4" DIA. ULTRACON+BY DEWALT (Fu=164 KSI, Fy=148 KSI)
1 3/4" MIN. EMBED INTO CONCRETE (HEAD/ JAMB/ SILL)

TYPE "B1": 1/4" DIA. ULTRACON+BY DEWALT (Fu=164 KSI, Fy=148 KSI)
1 1/4" MIN. EMBED INTO HOLLOW BLOCK (6" MIN O.C.) (JAMB ONLY)

1 3/4" MIN. EMBED INTO GROUT FILLED BLOCK (4" MIN O.C.) (JAMB ONLY)

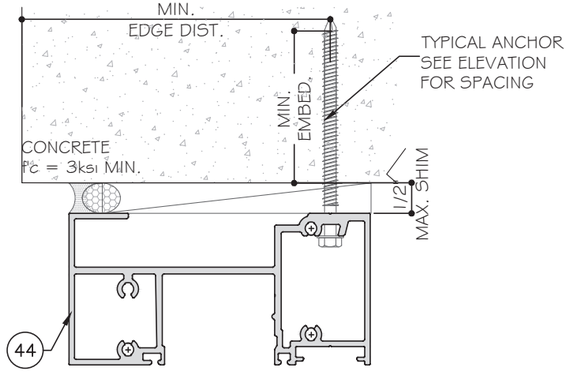
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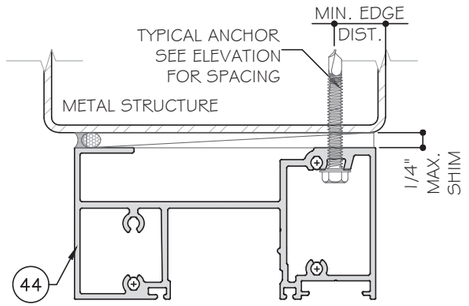
TYPE "D": 1/4" SMS OR TEKS (GRADE 5) (Fu=120 KSI, Fy=92 KSI)
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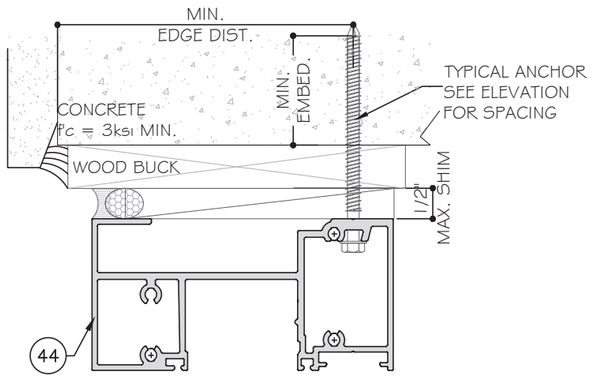
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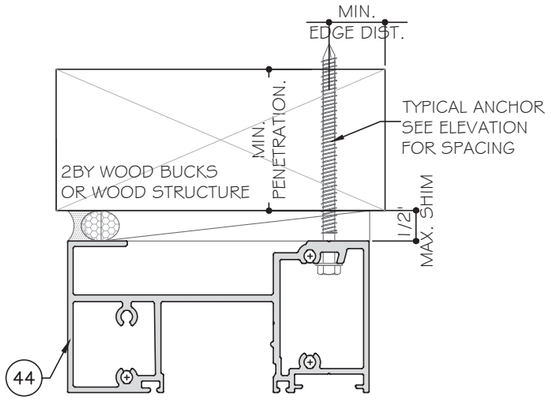
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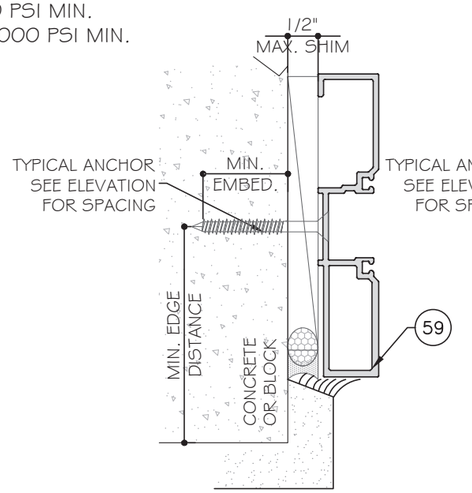
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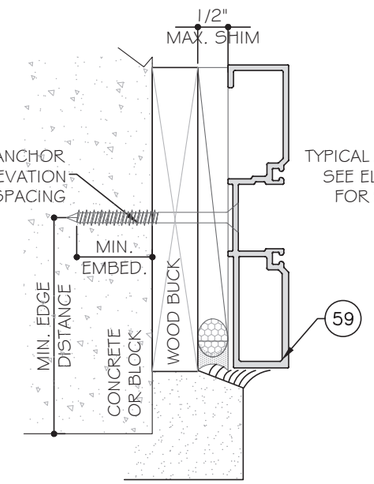


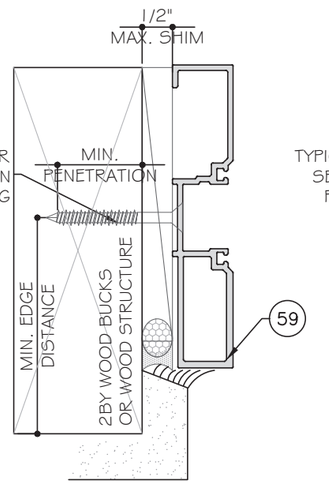


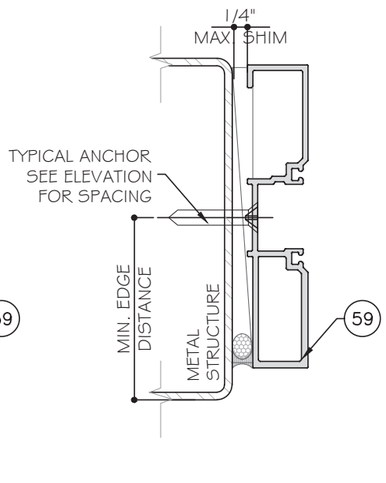












NOTE: METAL STRUCTURE AND WOOD BUCK OR WOOD STRUCTURES BY OTHERS TO BE DESIGNED AND ANCHORED PROPERLY TO TRANSFER LOAD FROM GLAZING SYSTEM TO BUILDING STRUCTURE.

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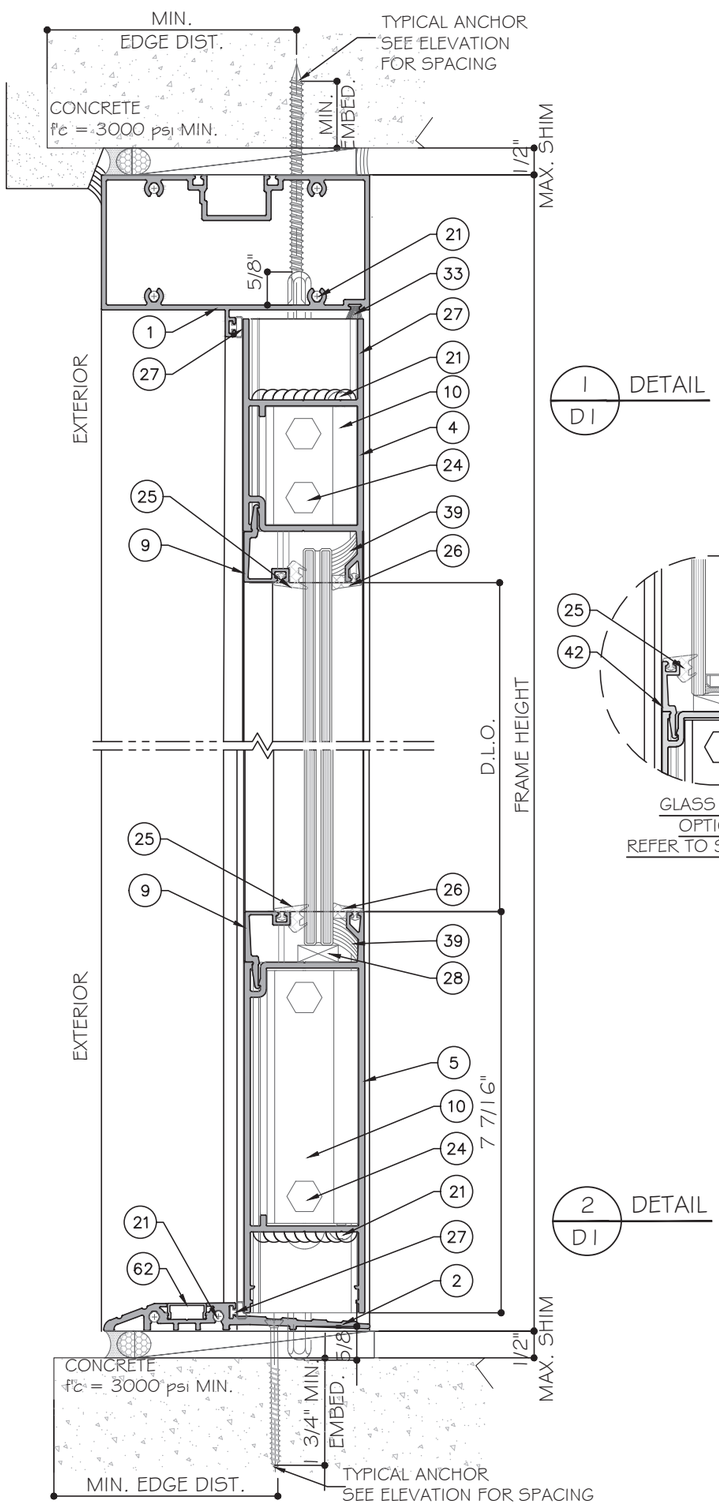
JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEALED: 10-15-2026

ANCHOR SPECS.

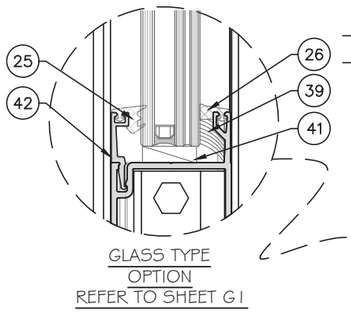
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08 OF 20

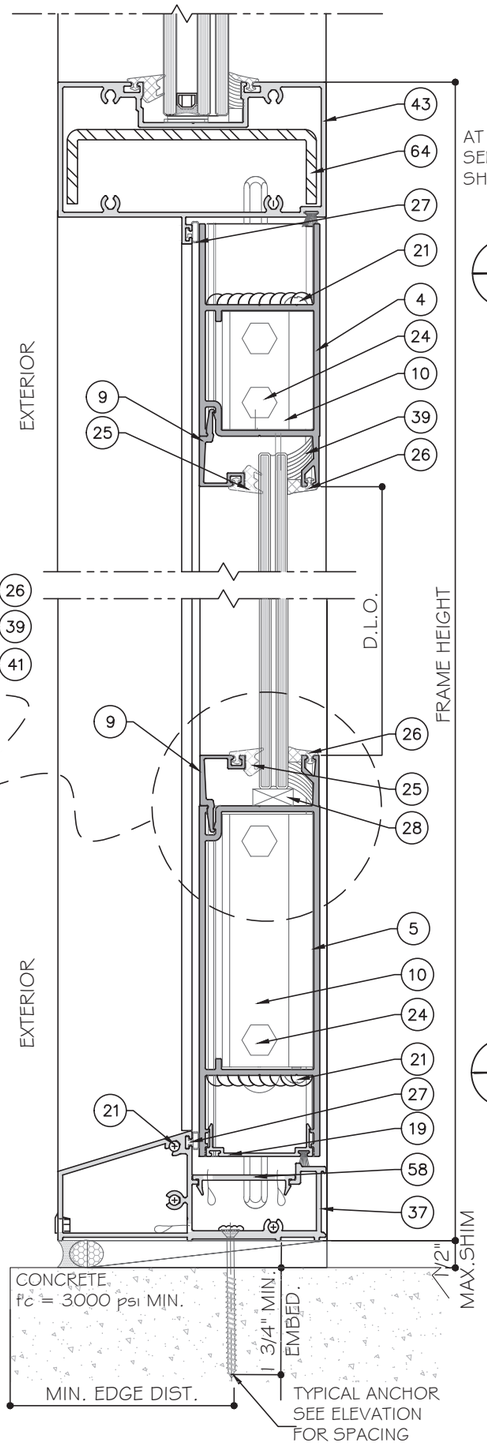
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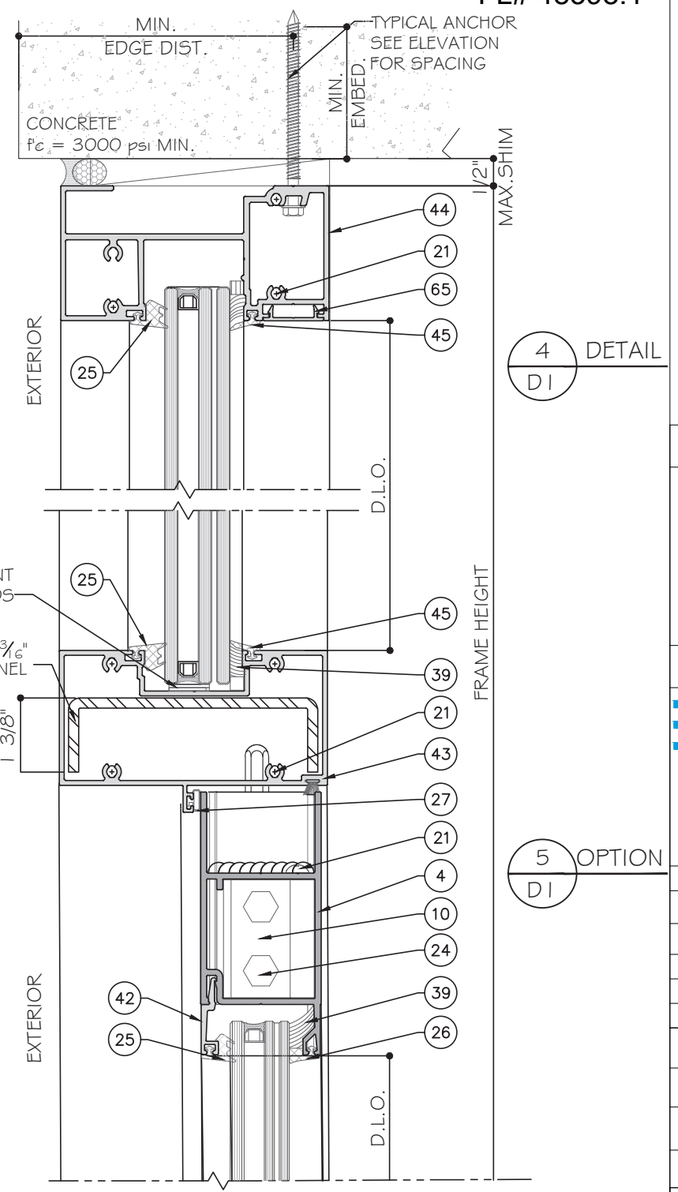
STANDARD THRESHOLD

NOT APPROVED FOR WATER INFILTRATION (SEE NOTE 1)





HIGH THRESHOLD



NOTE #1:
UNITS WHERE WATER INFILTRATION IS REQUIRED MUST BE INSTALLED AT LOCATIONS PROTECTED BY AN OVERHANG MEETING CRITERIA AS PER ILLUSTRATION BELOW OR IN NON-HABITABLE AREAS WHERE WATER INFILTRATION IS ACCEPTABLE. 1

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date:	8/21/2026
scale:	N/A
drawn by:	M.S.
check by:	
Drawing no.	JA-1595-26

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

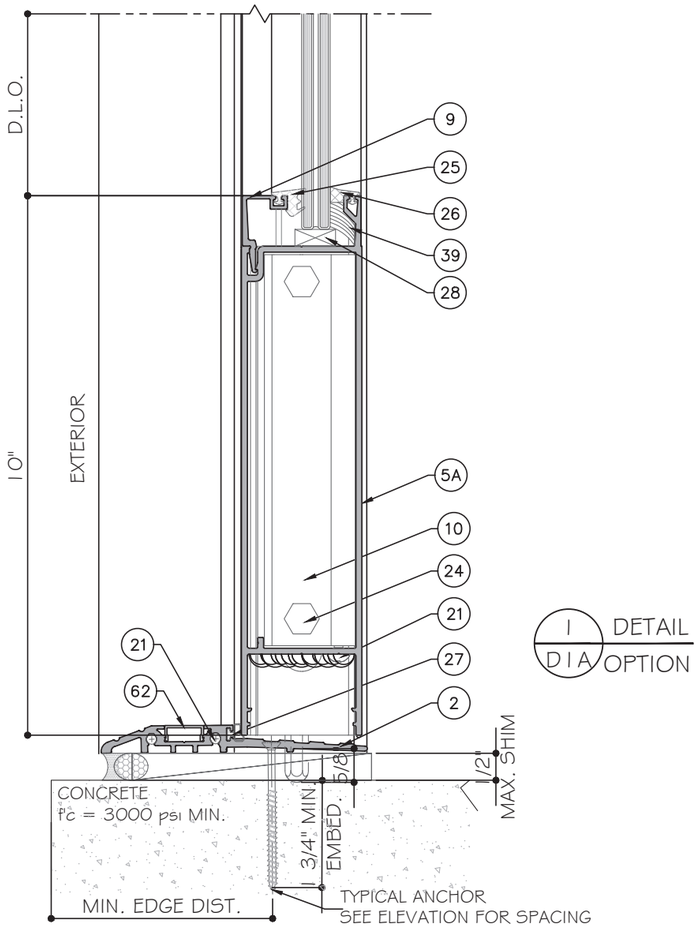
JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

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SECTION DET.

SHEET No. 09 OF 20

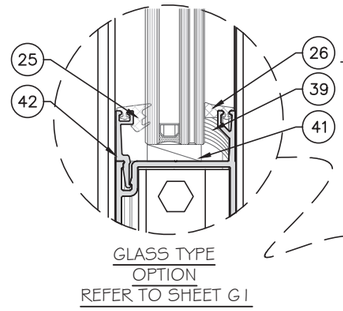
FL# 48398.1

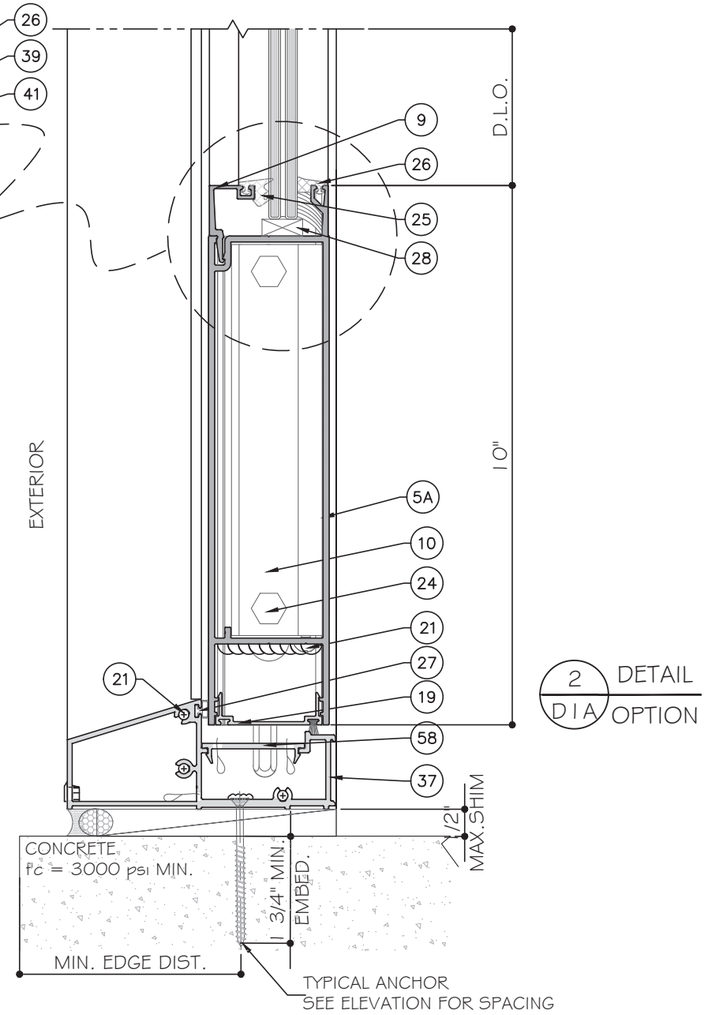


1 DIA DETAIL OPTION

STANDARD THRESHOLD

NOT APPROVED FOR WATER INFILTRATION (SEE NOTE 1)





2 DIA DETAIL OPTION

HIGH THRESHOLD

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Ph: (305) 424-8001
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CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

SERIES ES-9000 ALUMINUM INSWING DOOR SYSTEM (LARGE MISSILE IMPACT)

CLIENT :

ES WINDOWS, LLC
3550 NW 49TH STREET
MIAMI, FL 33142
TEL. (305) 638-5151 | FAX. (305) 638-5158

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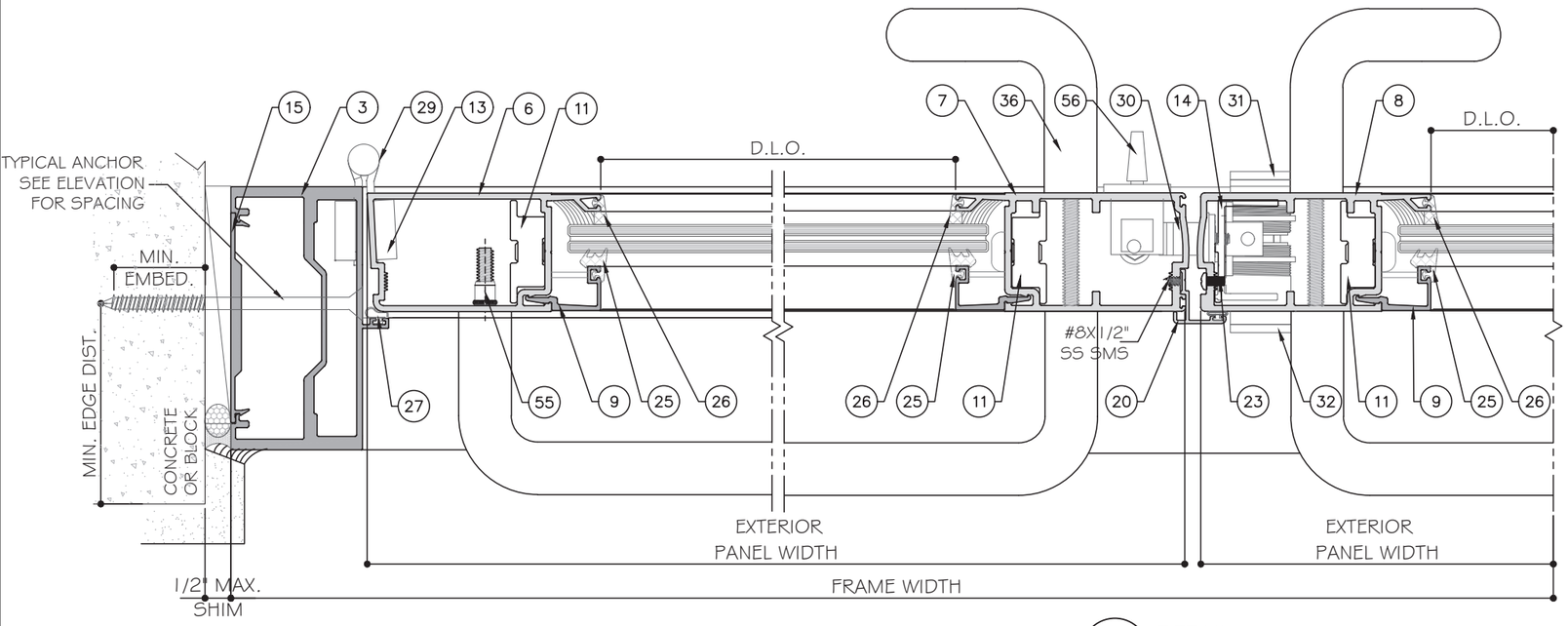
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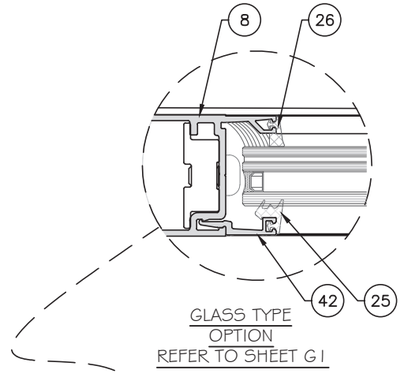
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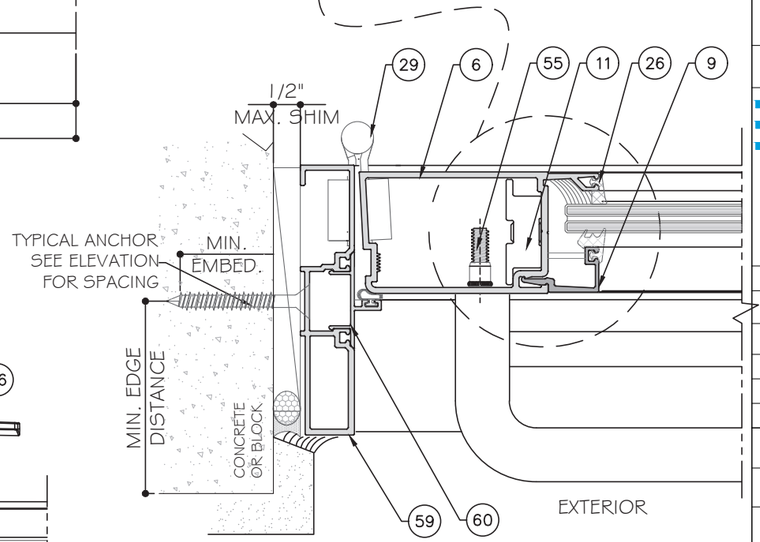
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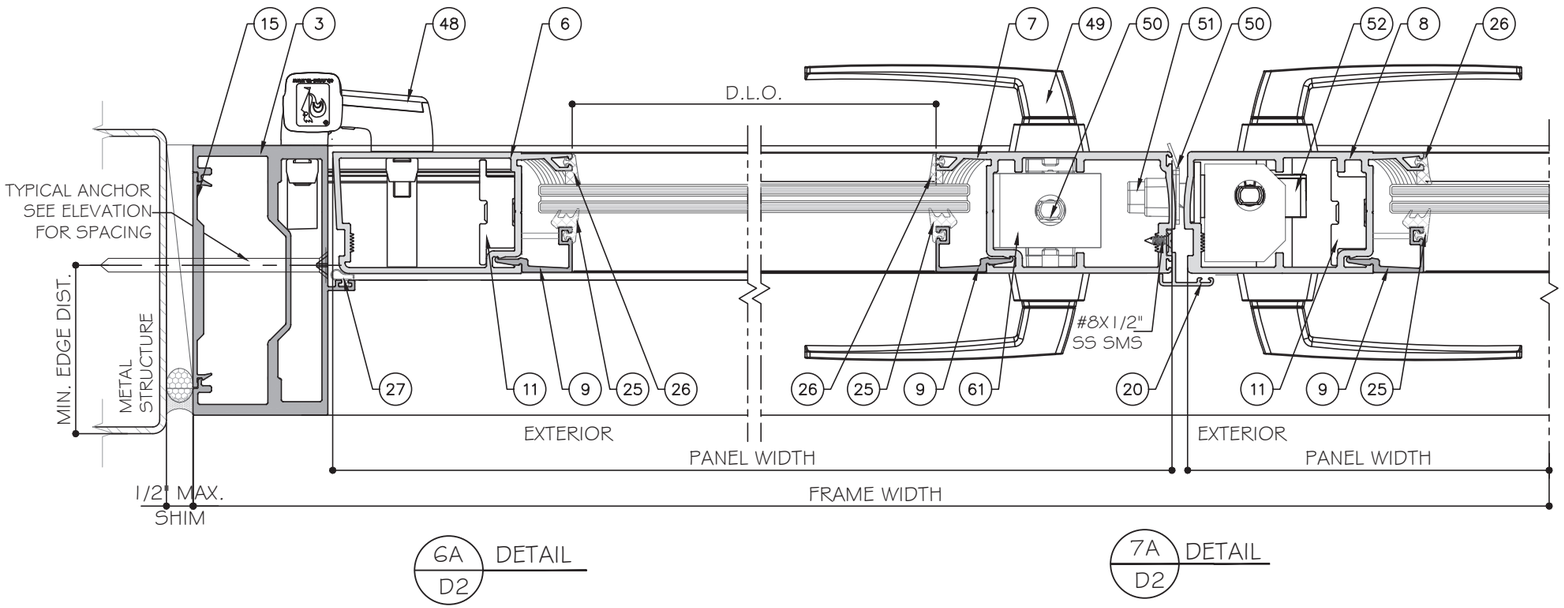
6 / D2 DETAIL

7 / D2 DETAIL
LOCK OPTION SEE H1





8 / D2 DETAIL
SERIES-ES 7530 FRAME OPTION



6A / D2 DETAIL

7A / D2 DETAIL

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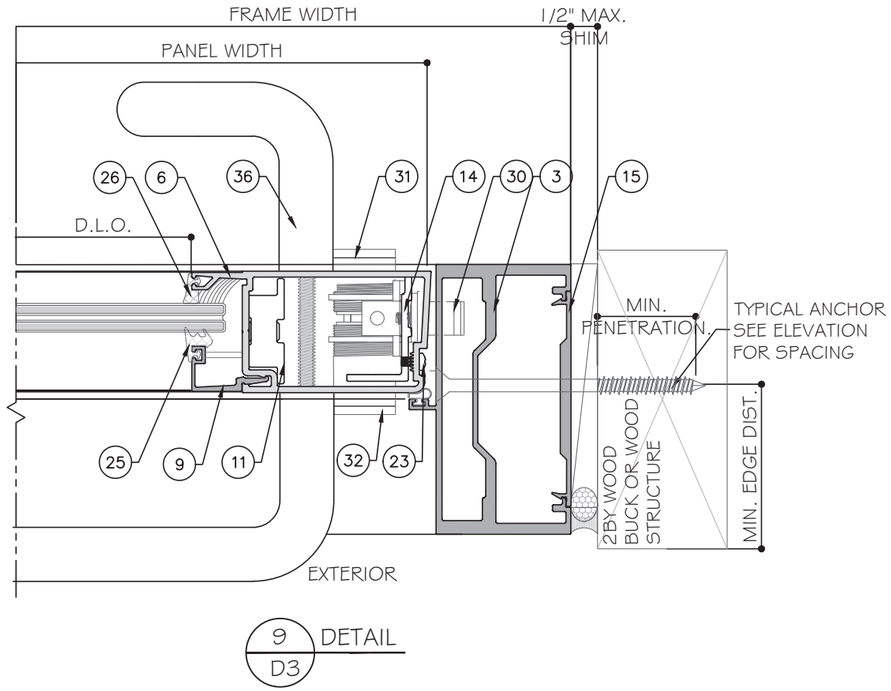
JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

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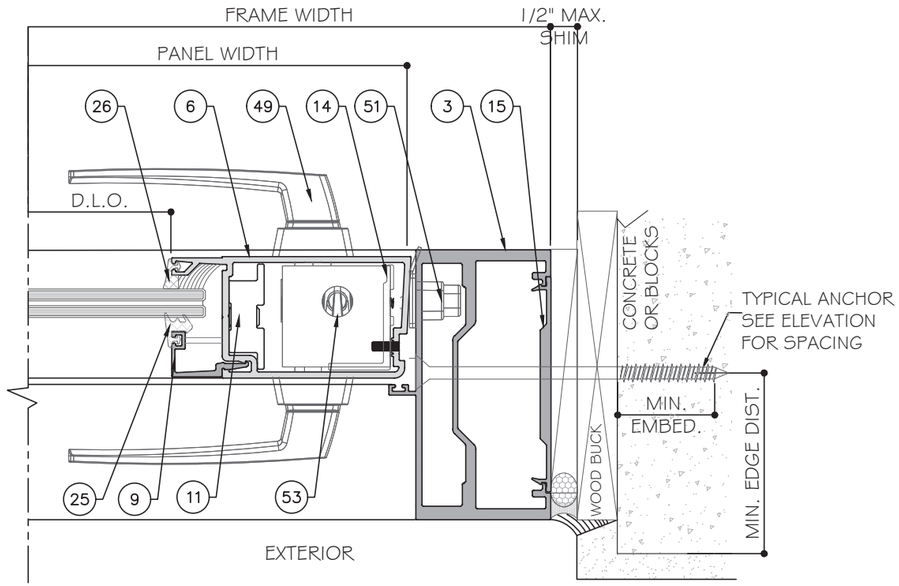
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SHEET No. 11 OF 20

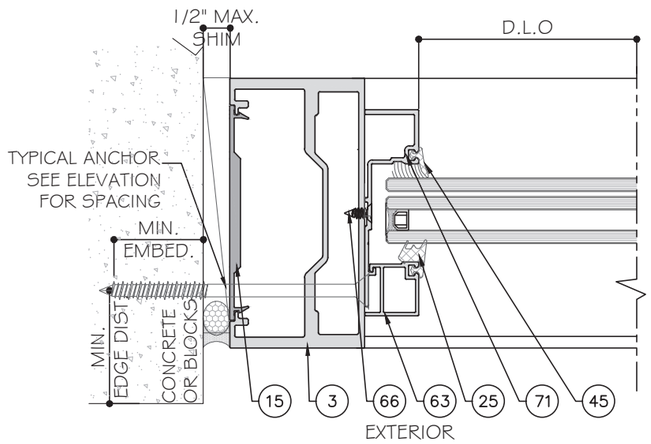
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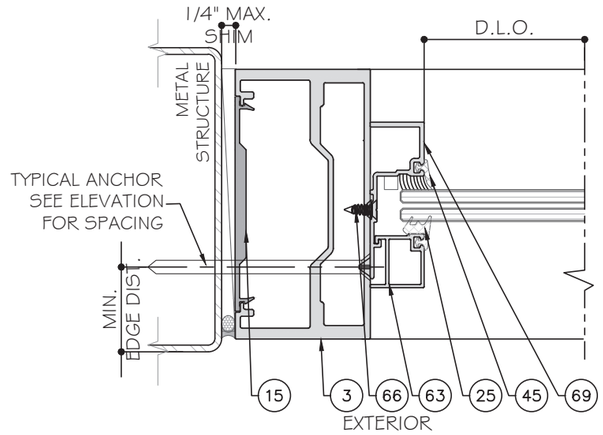
9 / D3 DETAIL



9 / D3 DETAIL OPTION



11 / D3 DETAIL



11 / D3 DETAIL OPTION

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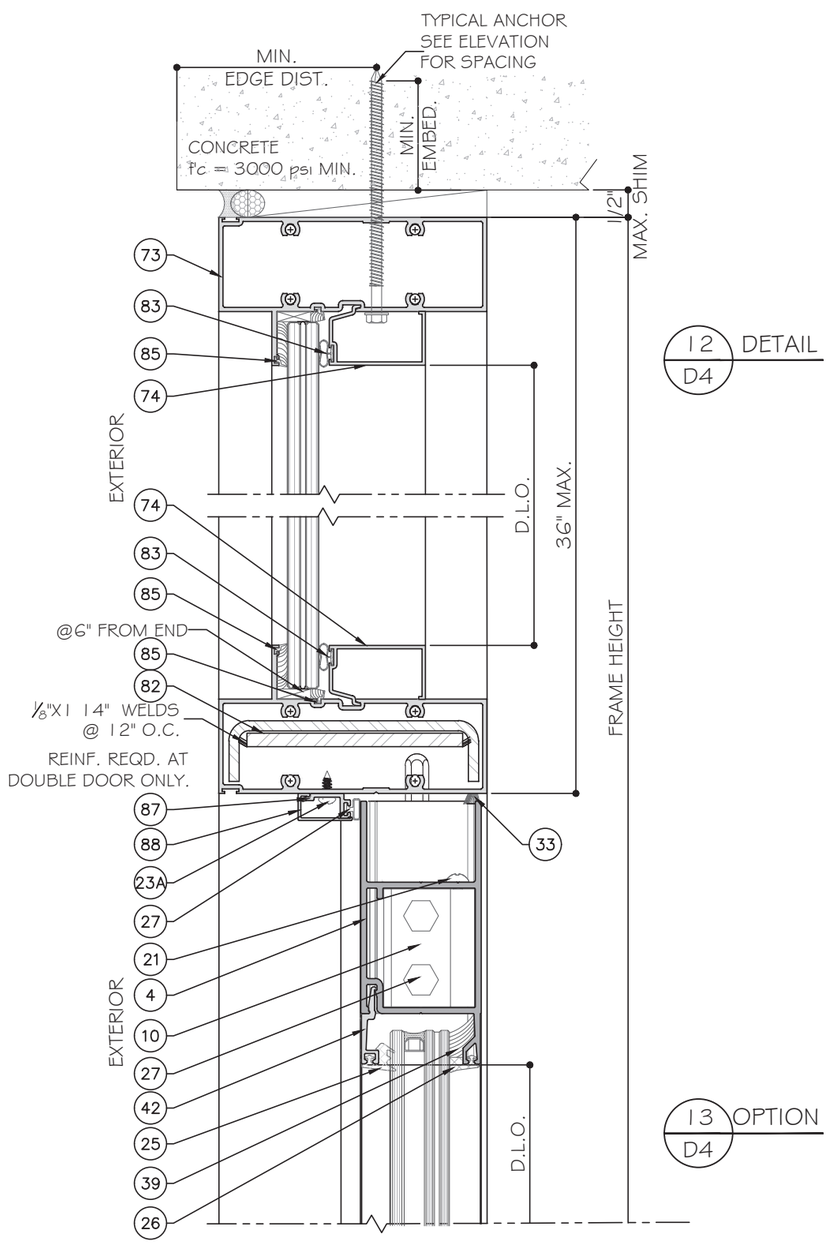
JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEALED: 10-15-2026

SECTION DET.

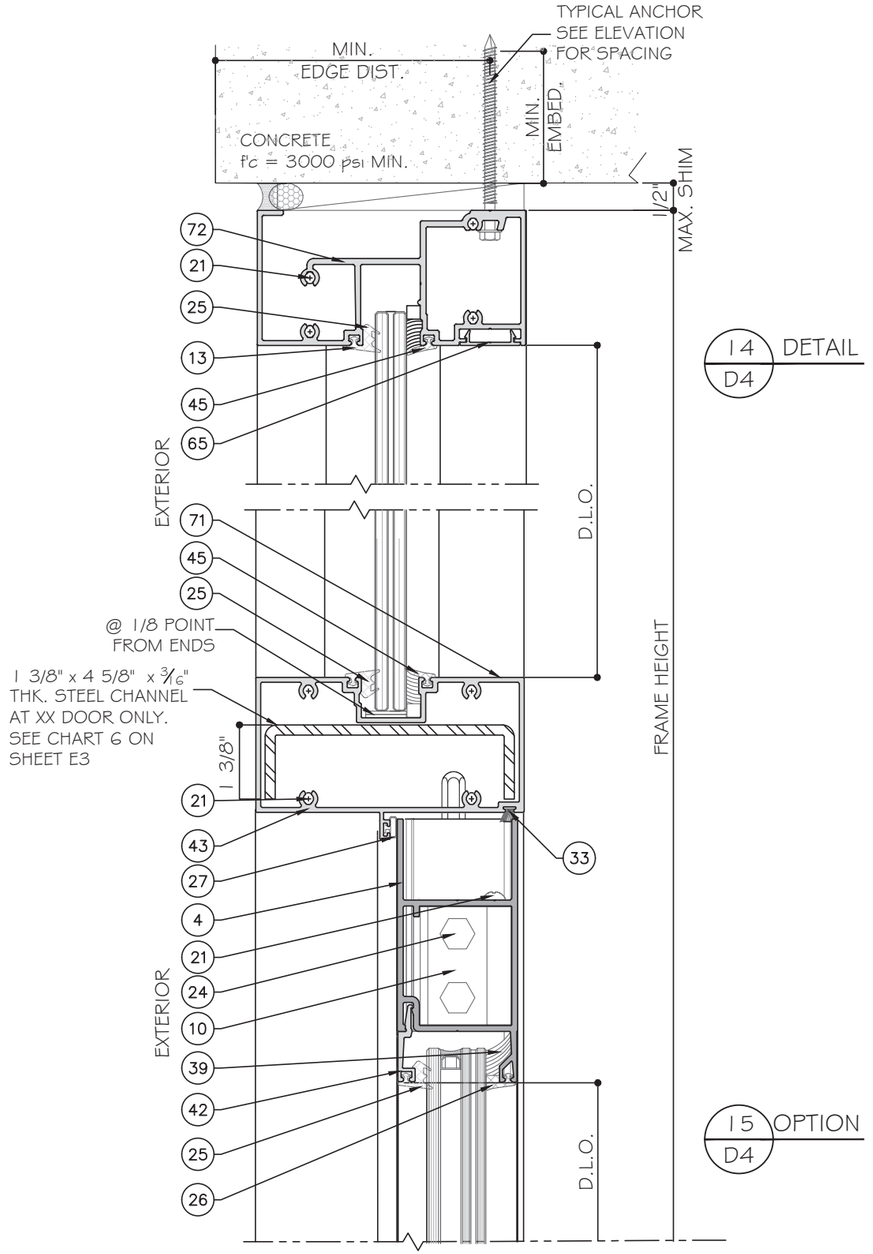
SHEET No. 12 OF 20

FL# 48398.1



12/D4 DETAIL

13/D4 OPTION



14/D4 DETAIL

15/D4 OPTION

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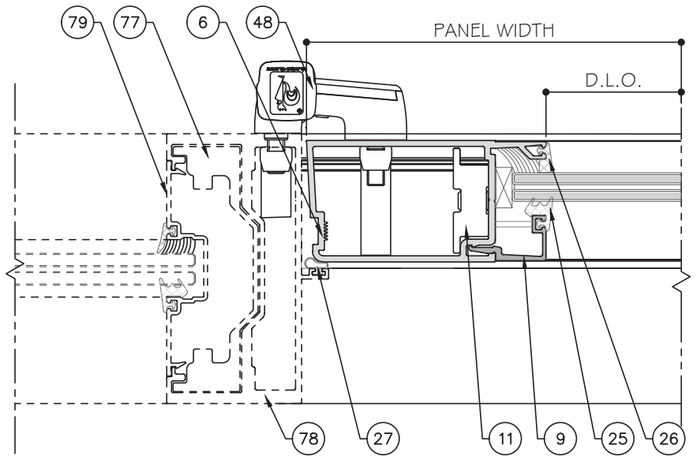


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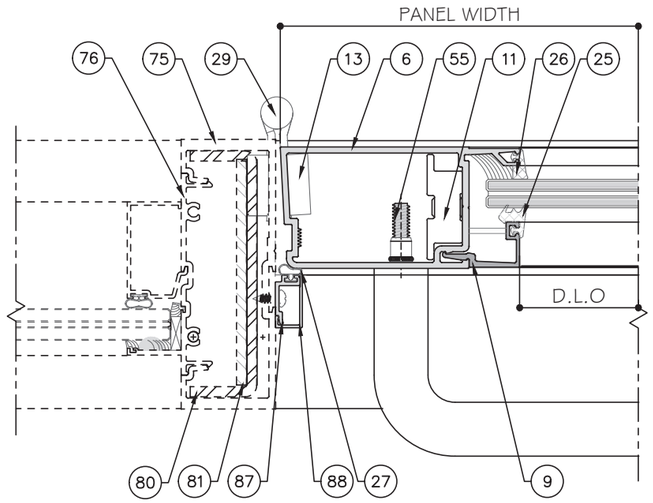
SHEET No.
13 OF 20

FL# 48398.1



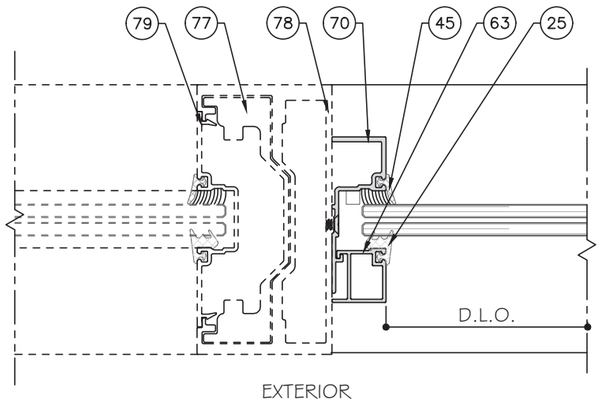
EXTERIOR

16 / D5 DETAIL



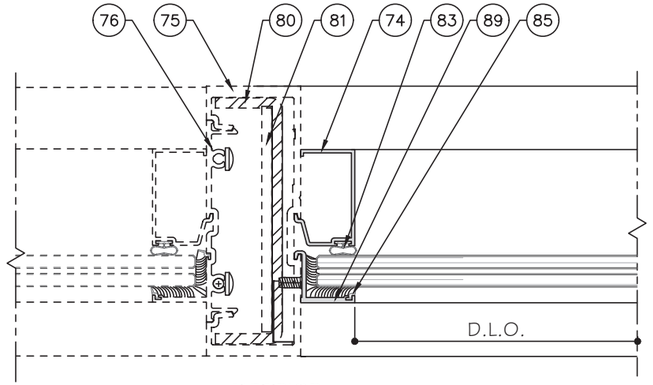
EXTERIOR

17 / D5 DETAIL



EXTERIOR

18 / D5 DETAIL



EXTERIOR

19 / D5 DETAIL

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SECTION DET.

SHEET No. 14 OF 20

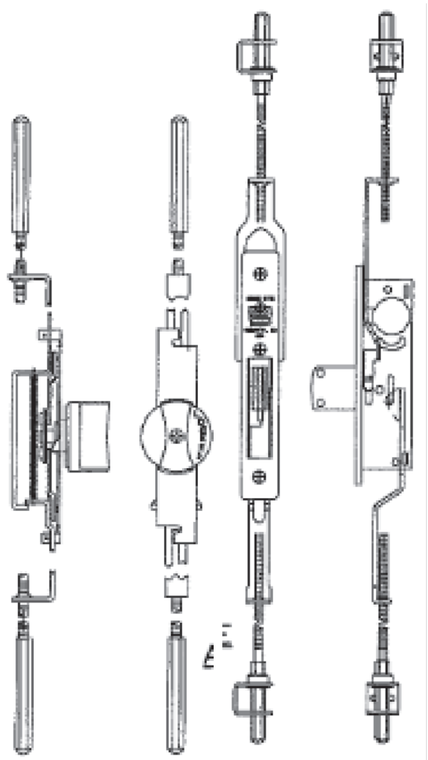
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LOCK OPTIONS:

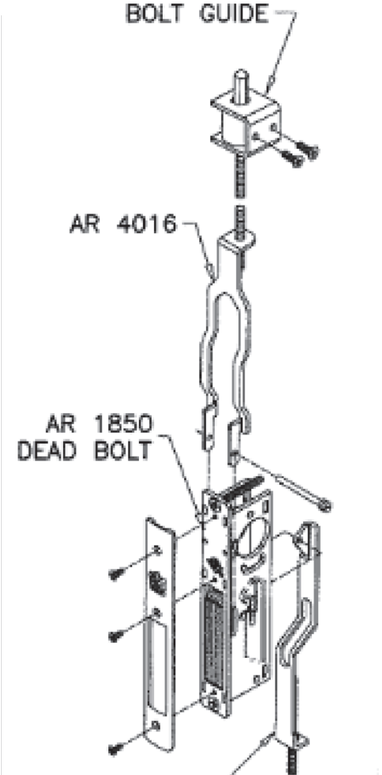
OPTION 1 :

ACTIVE LEAF:
CONCEALED THREE POINT LOCK SYSTEM BY "ADAMS RITE" WITH CONCEALED FLUSH BOLTS AT TOP & BOTTOM OF LOCKI STILE AND THUMB TURN ON THE INTERIOR AT 40" FROM BOTTOM AT ACTIVE PANEL
WITH (2) 12" X24" FH SMS

INACTIVE LEAF:
MANUALLY OPERATED TWO POINT LOCK SYSTEM MS 1800/81 BY "ADAMS RITE" WITH CONCEALED FLUSH BOLT AT TOP AND BOTTOM OF LOCK SYILE AND THUMB TURN AT 40" FROM BOTTOM AT INACTIVE PANEL
WITH (2) 8" X 32" PH SMS .



ADAMS RITE
2 PONT LOCK

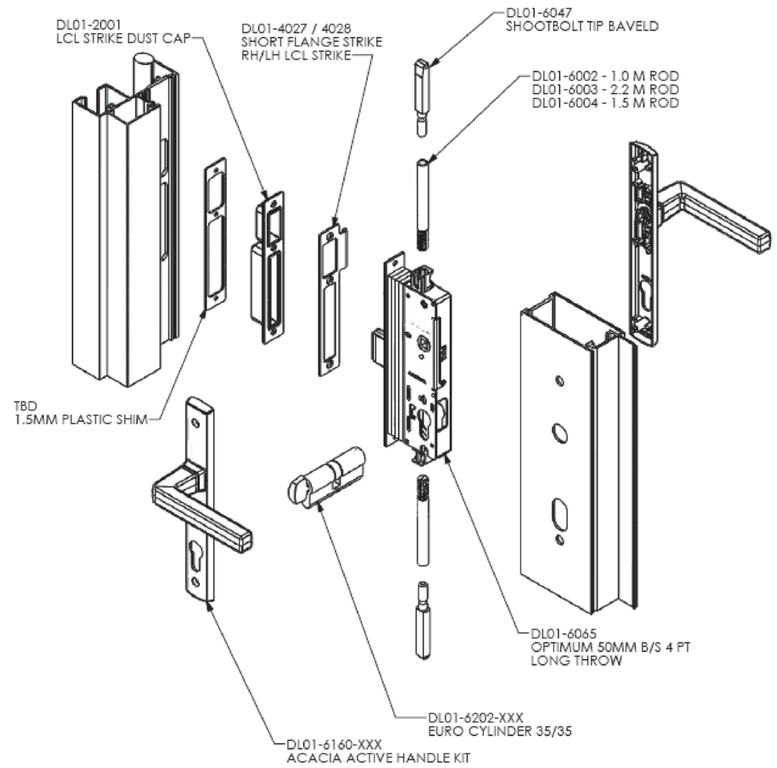


ADAMS RITE
3 PONT LOCK

DOOR		CONFIG.	LOCK OPTIONS	DESING LOAD
WIDTH (MAX)	HEIGHT(MAX)			
≤ 96"	≤ 121 1/4"	XX	1,2,3	90
≤ 48"	≤ 121 1/4"	X	1,2 (ACTIVE PANEL)	120

LOCK OPTION 2:

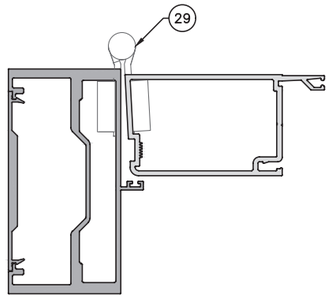
3 POINT LOCK LEVER COMPRESION (DL 01-7539) OPTIMUM /TBL FRENCH APP BY "INTERLOCK ASSA ABLOY" AT 40" FROM BOTTOM EACH LEAF.
WITH SHOOT BOLTS.



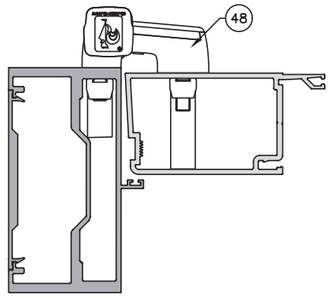
HINGES FOR SINGLE AND DOUBLE DOOR:

(5) 4 X 4 1/2" ST. STEEL BALL BEARING BUTT HINGES
PER PANEL BY 'HANGER', LOCATED AT 10 1/4" FROM BOTTOM
FASTENED TO DOOR FRAME AND LEAF STILE WITH
(4) #12-24 X $\frac{1}{2}$" FH MACHINE SCREWS.

(4) SERIES GOAT (DR HAHN A701) DIE CAST ALUMINUM HINGE BY " DR HAHN", LOCATED (1) AT 7 1/4" FROM BOTTOM , (2) AT 6" FROM TOP AND 6" O.C. (1) IN THE MIDDLE.



OPTION 1



OPTION 2

LOCK OPTION 3:

DOR-O-MATIC 1690 OR VON DUPRIN 3347A, AT 40" FROM SILL WITH (3) #14 BY 1 1/2" PH SMS.

NOTE: PANIC DIVICE GUARD TO BE INSTALLED DURING THE PERIOD OF HURRICANE WARNING.

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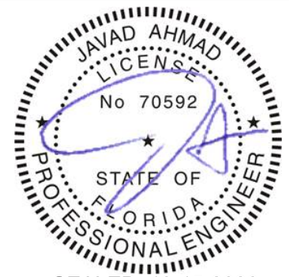
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HARDWARE - H1

SHEET No.
15 OF 20

FL# 48398.1

1690 Concealed vertical rod touchbar device



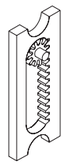
Length	Min. Door size (Non-EL)	Min. Door size (EL)
30"	24"	28-1/2"
36"	30"	34-1/2"
42"	36"	40-1/2"
48"	42"	46-1/2"

Specifications

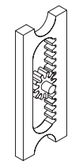
Hand	Field reversible non-handed
Functions	See trim selection chart on this page
Strikes	PB48 top
Latches	Standard top-SU latch Standard bottom-hex bottom bolt Optional top ES- electric strike top latch,device must be less bottom rod (LBR) Optional bottom -RL-rod bottom latch -PL- pullman bottom latch.
Doors	1-3/4" thick metal doors,specify if others.
Hurricane	1690 devices are used for hurricane rated door openings. Consult door manufacturer's listing.







Hold back (HB)



Night latch (NL)

gs.

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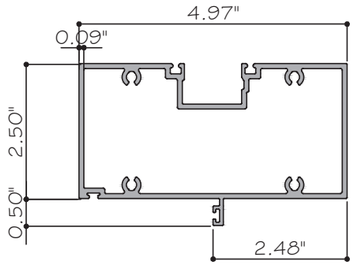
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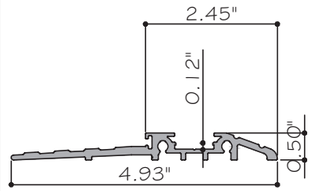
HARDWARE - H2

SHEET No. 16 OF 20

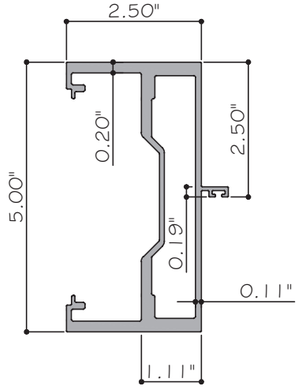
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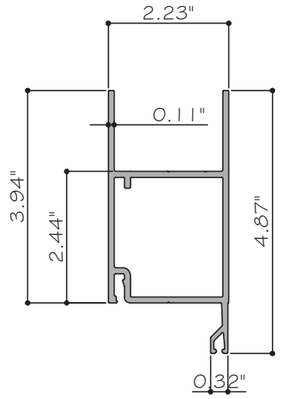
1 DOOR HEADER
ES-9012 ALUM. 6063-T6



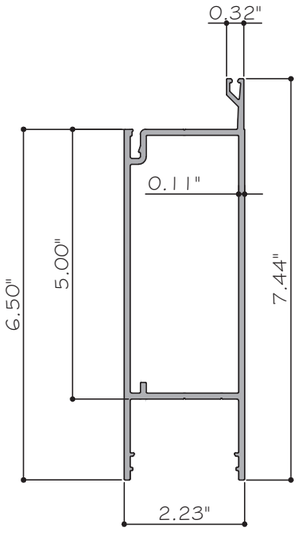
2 STANDARD THRESHOLD
ES-9000-030 ALUM. 6063-T6



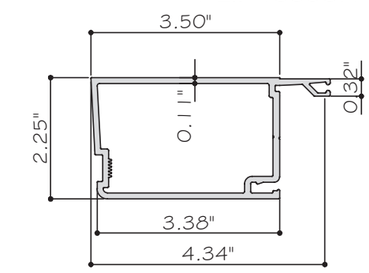
3 DOOR JAMB
ES-9013 ALUM. 6063-T6



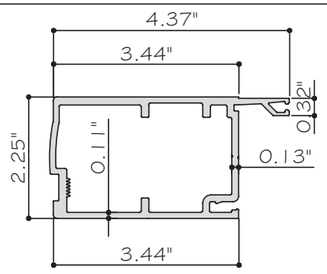
4 PANEL TOP RAILS
ES-9001 ALUM. 6063-T5



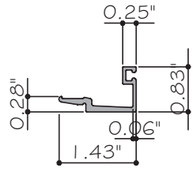
5 PANEL BOTTOM RAILS
ES-9002 ALUM. 6063-T6



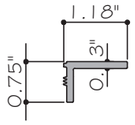
6 HINGE STILE
ES-9000-33 ALUM. 6063-T5



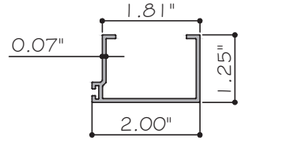
8 MEETING STILE- ACTIVE LEAF
ES-9000-34 ALUM. 6063-T5



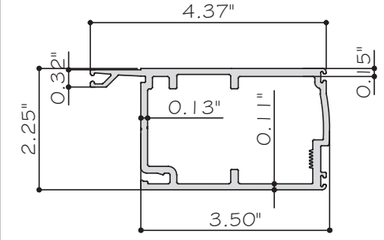
9 GLASS STOP
ES-9004 ALUM. 6063-T5



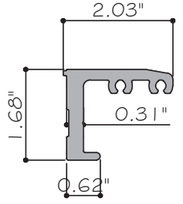
12 SUPPORT ANGLE
ES-9010 ALUM. 6063-T5



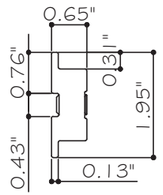
17 CLOSER DOOR STOP
ES-9022 ALUM. 6063-T5



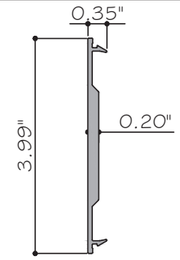
7 MEETING STILE- INACTIVE LEAF
ES-9000-35 ALUM. 6063-T5



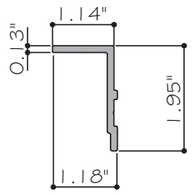
10 CORNER BLOCK
ES-9008 ALUM. 6063-T5



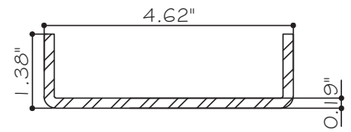
11 CORNER PLATE
ES-9009 ALUM. 6063-T5



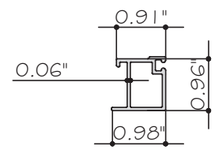
15 JAMB FILLER
ES-9016 ALUM. 6063-T6



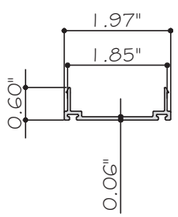
14 LOCK BACKUP PLATE REINF.
ES-9020 ALUM. 6063-T5



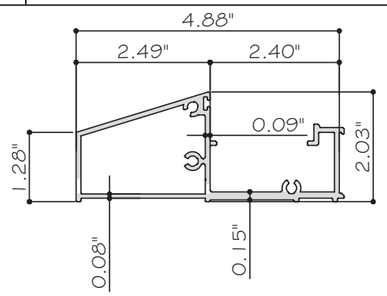
64 3/16" x 4 5/8" x 1 3/8" STEEL CHANEL



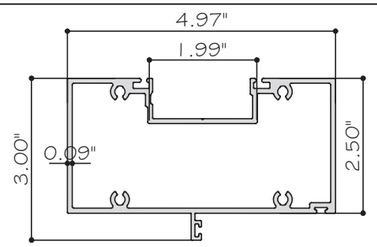
63 TRANSOM GLASS STOP
ES-9018 ALUM. 6063-T5



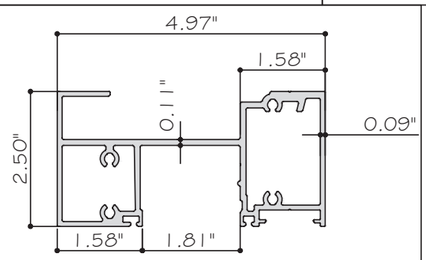
19 DOOR SWEEP
ES-9005 ALUM. 6063-T5



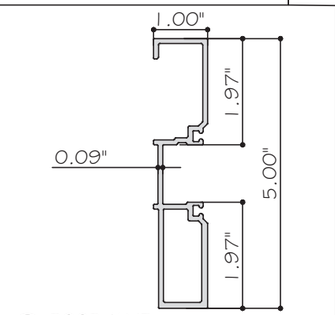
37 HIGH THRESHOLD
ES-9000-032 ALUM. 6063-T6



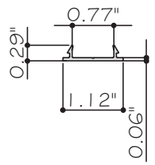
43 DOOR HEADER (INS. LAM. GLASS)
ES-9025 ALUM. 6063-T6



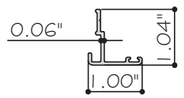
44 TRANSOM HEAD (INS. LAM. GLASS)
ES-9554 ALUM. 6063-T6



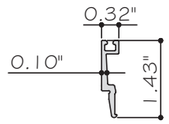
59 DOOR JAMB
ES-7530-213 ALUM. 6063-T6



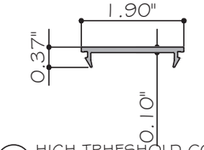
65 COVER
ES-9502 ALUM. 6063-T6



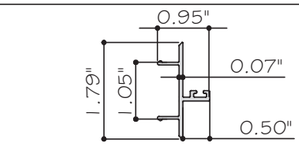
20 ASTRAGAL
ES- 9060 ALUM. 6063-T5



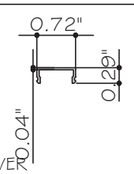
42 GLASS STOP
ES-9029 ALUM. 6063-T5



58 HIGH TRHESHOLD COVER
ES-9027 ALUM. 6063-T5



60 DOOR STOP
ES-7530-214 ALUM. 6063-T6



62 SCREW COVER
ES-6011 ALUM. 6063-T6

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7875 NW 12 Street, Suite 102
Doral, FL 33126
Ph: (305) 424-8001
support@ja-pe.com
CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

SERIES ES-9000 ALUMINUM INSWING DOOR SYSTEM (LARGE MISSILE IMPACT)

CLIENT :

ES WINDOWS, LLC
imagine extraordinary
3550 NW 49TH STREET
MIAMI, FL 33142
TEL. (305) 638-5151 | FAX. (305) 638-5158

REVISION

No.	DATE	BY	DESCRIPTION

date:	8/21/2026
scale:	N/A
drawn by:	M.S.
check by:	
Drawing no.	JA-1595-26

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

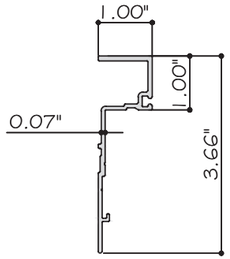
JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEALED: 10-15-2026

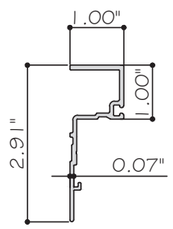
PROFILES

SHEET No. 17 OF 20

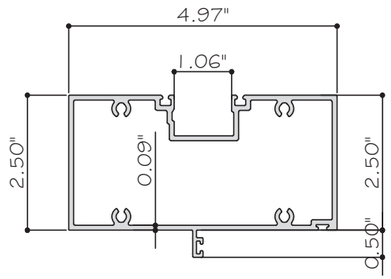
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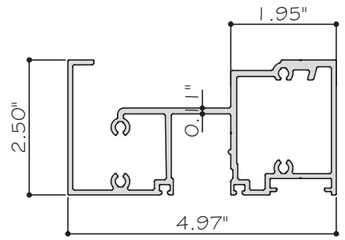
69 TRANSOM ADAPTER (INS. LAM. GLASS)
ES-9019 ALUM. 6063-T5



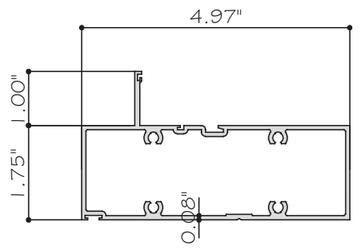
70 TRANSOM ADAPTER (INS. GLASS)
ES-9024 ALUM. 6063-T5



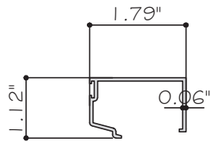
71 DOOR HEADER
ES-9012 ALUM. 6063-T6



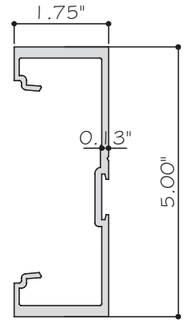
72 TRANSOM HEAD (LAM. GLASS)
ES-9506 ALUM. 6063-T6



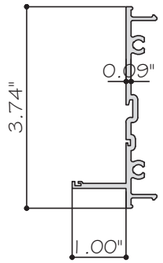
73 TRANSOM HEAD (LAM. GLASS)
ES-8005 ALUM. 6063-T6



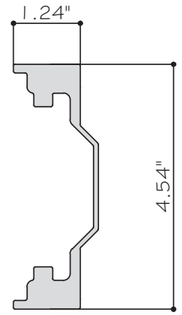
74 TRANSOM GLASS STOP
ES-8006 ALUM. 6063-T6



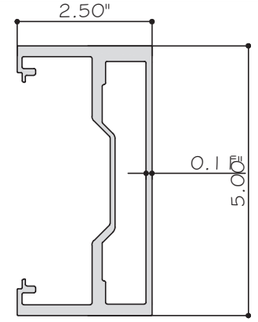
75 DOOR ADAPTOR MULLION
ES-8012 ALUM. 6063-T6



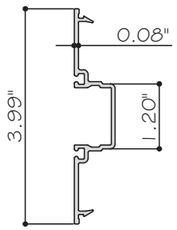
76 MULLION SNAP IN MATE
ES-8002 ALUM. 6063-T6



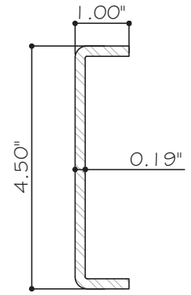
77 REINFORCEMENT.
ES-9017 ALUM. 6063-T6



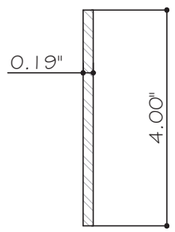
78 DOOR JAMB
ES-9013 ALUM. 6063-T6



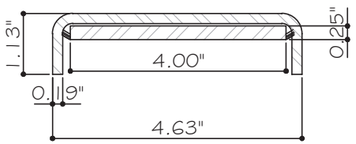
79 FILLER.
ES-9508 ALUM. 6063-T6



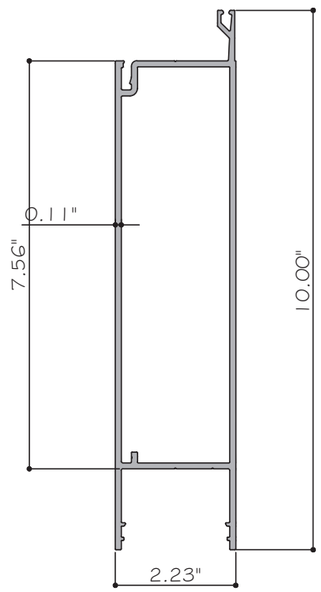
80 STEEL CHANNEL 3/16".



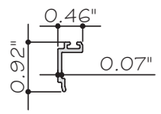
81 STEEL BAR REINFORCEMNT 3/16" THK.



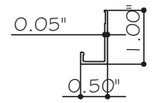
82 3/16" x 4 5/8" x 1 1/8" STEEL CHANEL
W 1/4" x 4" STEEL BAR



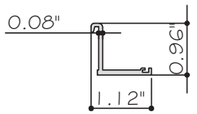
5A PANEL BOTTOM RAILS
ES-9000-031 ALUM. 6063-T6



87 DOOR STOP
ES-9051 ALUM. 6063-T5



88 DOOR STOP COVER
ES-9052 ALUM. 6063-T5



89 GLAZING ADAPTOR FOR
DOOR TRANSOM
ES-8014 ALUM. 6063-T6

JAVAD AHMAD PE, inc
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PROJECT :

SERIES ES-9000 ALUMINUM
INSWING DOOR SYSTEM
(LARGE MISSILE IMPACT)

CLIENT :

ES WINDOWS, LLC
3550 NW 49TH STREET
MIAMI, FL 33142
TEL. (305) 638-5151 | FAX. (305) 638-5158

REVISION

No.	DATE	BY	DESCRIPTION

date:	8/21/2026
scale:	N/A
drawn by:	M.S.
check by:	
Drawing no.	JA-1595-26

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

JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEALED: 10-15-2026

PROFILES

SHEET No.
18 OF 20

FL# 48398.1

BILL OF MATERIALS

ITEM	PART	DESCRIPTION	MATERIAL	REMARKS
1	ES-9012	DOOR HEADER	ALUM. 6063-T6	-
2	ES-9000-30	STANDARD THRESHOLD	ALUM. 6063-T6	-
3	ES-9013	DOOR JAMB	ALUM. 6063-T6	-
4	ES-9001	PANEL TOP RAILS	ALUM. 6063-T5	-
5	ES-9002	PANEL BOTTOM RAILS	ALUM. 6063-T5	-
5A	ES-9000-031	PANEL BOTTOM RAILS	ALUM. 6063-T5	-
6	ES-9000-33	HINGE STILE	ALUM. 6063-T5	-
7	ES-9006	MEETING STILE- INACTIVE LEAF	ALUM. 6063-T5	-
8	ES-9007	MEETING STILE- ACTIVE LEAF	ALUM. 6063-T5	-
9	ES-9004	VERTICAL AND HORIZONTAL GLASS STOP	ALUM. 6063-T5	-
10	ES-9008	CORNER BLOCK TOP & BOTTOM	ALUM. 6063-T5	-
11	ES-9009	CORNER PLATE TOP & BOTTOM	ALUM. 6063-T5	-
12	ES-9010	SUPPORT ANGLE	ALUM. 6063-T5	3/4" X 1" X 1/8 " X 9" LONG
13	ES-9011	HINGE BACKUP PLATE REINFORCING	ALUM. 6063-T5	1 1/4" X 9" X 3/8" THK.
14	ES-9020	LOCK BACKUP PLATE REINFORCING	ALUM. 6063-T5	-
15	ES-9016	JAMB FILLER	ALUM. 6063-T5	-
16	ES-9021	CLOSER SUPPORT CLIP , 1/CLOSER	ALUM. 6063-T5	-
17	ES-9022	CLOSER DOOR STOP	ALUM. 6063-T5	-
18	ES-9023	CLOSER COVER PLATE	ALUM. 6063-T5	-
19	ES-9005	DOOR SWEEP	ALUM. 6063-T5	-
20	ES-9060	DOOR SWEEP	ALUM. 6063-T5	-
21	#12X1"P.H. S.M.S.	LEAF FRAME ASSEMBLY SCREW	ST/ST	-
22	#12X24X1/2" F.H. M.S.	FOR HINGE, INT. PIVOT &THRESHOLD CLIP	ST/ST	-
23	#8-32X1/2" P.H. NAT ST/ST	FOR SUPPORT ANGLE & LOCK BACKUP PLATE	ST/ST	-
23A	#8X1/2" PH. SMS	STAINLESS STEEL SCREW	ST/ST	-
24	3/8"-16X1" HEX BOLT	LEAF ASSEMBLY	-	-
25	ES-9000- G01	EXTERIOR GASKET	EPDM	DURAMETER 70±5 SHORE A
26	ES-9000- G02	INTERIOR GASKET	EPDM	DURAMETER 70±5 SHORE A
27	ES-9000- G03	BULB VINYL LONG 9002+LONG 9003+7").2	ULTRAFAB	DURAMETER 73
28	ES-9000- B01	SETTING BLOCK	EPDM	DURAMETER 80+5 SHORE A
29	HINGE 4" X 4 1/2"	BUTT HINGES	ST/ST	HANGER
30	MS1953-350	3 POINT LOCK	-	ADAMS RITE
31	SBCTN03	KEY CYLINDER	-	-
32	SBCC01.528 -1.5	KEY CYLINDER	-	-
33	W13273NK	PILE-HEADER	WOOL	-
34	W23451NK	PILE WITH INTEGRATED FIN MTG. STILES	WOOL	-
35	W13351NK	PILE-SWEEP	WOOL	-
36	BF157A47	PUSH-PULL	ST/ST	-
37	ES-9000-032	HIGH THRESHOLD	ALUM. 6063-T6	-
38	-	THRESHOLD CLIP	ST/ST	-
39	DC 983	STRUCTURAL SILICONE	SILICONE	-
40	DC 791	SEALANT SILICONE	SILICONE	-
41	ES 9000-B02A	SETTING BLOCK FOR INS. LAM. GLASS	EPDM	DURAMETER 80+5 SHORE A

BILL OF MATERIALS

ITEM	PART	DESCRIPTION	MATERIAL	REMARKS
42	ES 9029	GLASS STOP	ALUM. 6063-T5	-
43	ES 9525	DOOR HEADER (LAM INS. GLASS)	ALUM. 6063-T6	-
44	ES 9554	TRANSOM HEAD (INS. LAM. GLASS)	ALUM. 6063-T5	-
45	ES-9500-G01	TRIM GASKET	EPDM	DURAMETER 70±5 SHORE A
46	ES-4520-G02A	FOR CLOSER DOOR STOP	-	-
47	-	INS. LAM. GLASS SPACER	ALUMINUM	-
48	DR HAHN GOAT 2-TLG.	RESINDENTIAL HINGE	-	DR. HAHN
49	DL01- 6192-117	LOCK HANDLE KIT	DIE CAST ALUMINUM	ADAMS RITE
50	DL01- 4019	DOOR STRIKE	ST/ST	-
51	DL01- 2020	PLASTIC RECEIVER	ABS	-
52	DL01- 6063	LCL 40 MM. MORTICE LOCK.	ZINC ALLOY	-
53	DL01- 6040	SOOL BOLT TIPS	ST/ST	-
54	DL01- 6002	ROD	ALUMINUM	-
55	AEKA-420-165	1/4" - 20 NUT FOR INSERT IN PUSH BAR	STEEL	-
56	MS 1880-04	2 POINT LOCK	ST/ST	-
57	AEKA-420-165	1/4" - 20 NUT FOR INSERT IN PUSH BAR	STEEL	-
58	ES-9027	HIGH THRESHOLD COVER	ALUM. 6063-T5	-
59	ES-7530-213	DOOR JAMB	ALUM. 6063-T6	-
60	ES-7530-214	DOOR STOP	ALUM. 6063-T6	-
61	ALU-A-027	ANGLE 2" X 1/8"	ALUM. 6063-T6	-
62	ES-6011	SCREW COVER	ALUM. 6063-T6	-
63	ES-9018	TRANSOM GLASS STOP	ALUM. 6063-T5	-
64	-	3/16" x 4 5/8" x 13/8" STEEL CHANEL	STEEL	-
65	ES-9502	COVER	ALUM. 6063-T5	-
66	#10 X 1/2" F.H.	FOR TRANSOM ADAPTER	ST/ST	-
67	T-BOND V2208	INTERIOR SPACER	EPDM	DURAMETER 80+5 SHORE A
68	ES-9019	TRANSOM ADAPTER	SILICONE	-
69	ES-9019	TRANSOM ADAPTER (INS. LAM. GLASS)	ALUM. 6063-T5	-
70	ES-9024	TRANSOM ADAPTER (INS. GLASS)	ALUM. 6063-T5	-
71	ES-9012	DOOR HEADER	ALUM. 6063-T6	-
72	ES-9506	TRANSOM HEAD (LAM. GLASS)	ALUM. 6063-T6	-
73	ES-8005	TRANSOM HEAD (LAM. GLASS)	ALUM. 6063-T6	-
74	ES-8006	TRANSOM GLASS STOP	ALUM. 6063-T6	-
75	ES-8012	DOOR ADAPTOR MULLION	ALUM. 6063-T6	-
76	ES-8002	MULLION SNAP IN MATE	ALUM. 6063-T6	-
77	ES-9017	REINFORCEMENT	ALUM. 6063-T6	-
78	ES-9013	DOOR JAMB	ALUM. 6063-T6	-
79	ES-9508	FILLER.	ALUM. 6063-T6	-
80	-	STEEL CHANNEL 3/16".	STEEL	-
81	-	STEEL BAR 3/16".	STEEL	-
82	-	3/16" x 4 5/8" x 11/8" STEEL CHANEL AND W 1/4" x 4" STEEL BAR	STEEL	-
83	ES-8010	BULB SEAL	EPDM	DURAMETER 60+5 SHORE A
84	ES-8011	SPACER GASKET	EPDM	DURAMETER 85+5 SHORE A
85	ES-8009	SILICONE DAM	EPDM	DURAMETER 60+5 SHORE A
86	ES-6025-B05	SETTING BLOCK FOR LAM. GLAS.	EPDM	DURAMETER 85+5 SHORE A
87	ES-9051	DOOR STOP	ALUM. 6063-T5	-
88	ES-9052	DOOR STOP COVER	ALUM. 6063-T5	-
89	ES-8014	GLAZING ADAPTOR FOR DOOR TRANSOM	ALUM. 6063-T6	-

JAVAD AHMAD PE, inc
7875 NW 12 Street, Suite 102
Doral, FL 33126
Ph: (305) 424-8001
support@ja-pe.com
CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

SERIES ES-9000 ALUMINUM INSWING DOOR SYSTEM (LARGE MISSILE IMPACT)

CLIENT :

ES WINDOWS, LLC
imagine extraordinary
3550 NW 49TH STREET
MIAMI, FL 33142
TEL. (305) 638-5151 | FAX. (305) 638-5158

REVISION

No.	DATE	BY	DESCRIPTION

date:	8/21/2026
scale:	N/A
drawn by:	M.S.
check by:	
Drawing no.	JA-1595-26

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

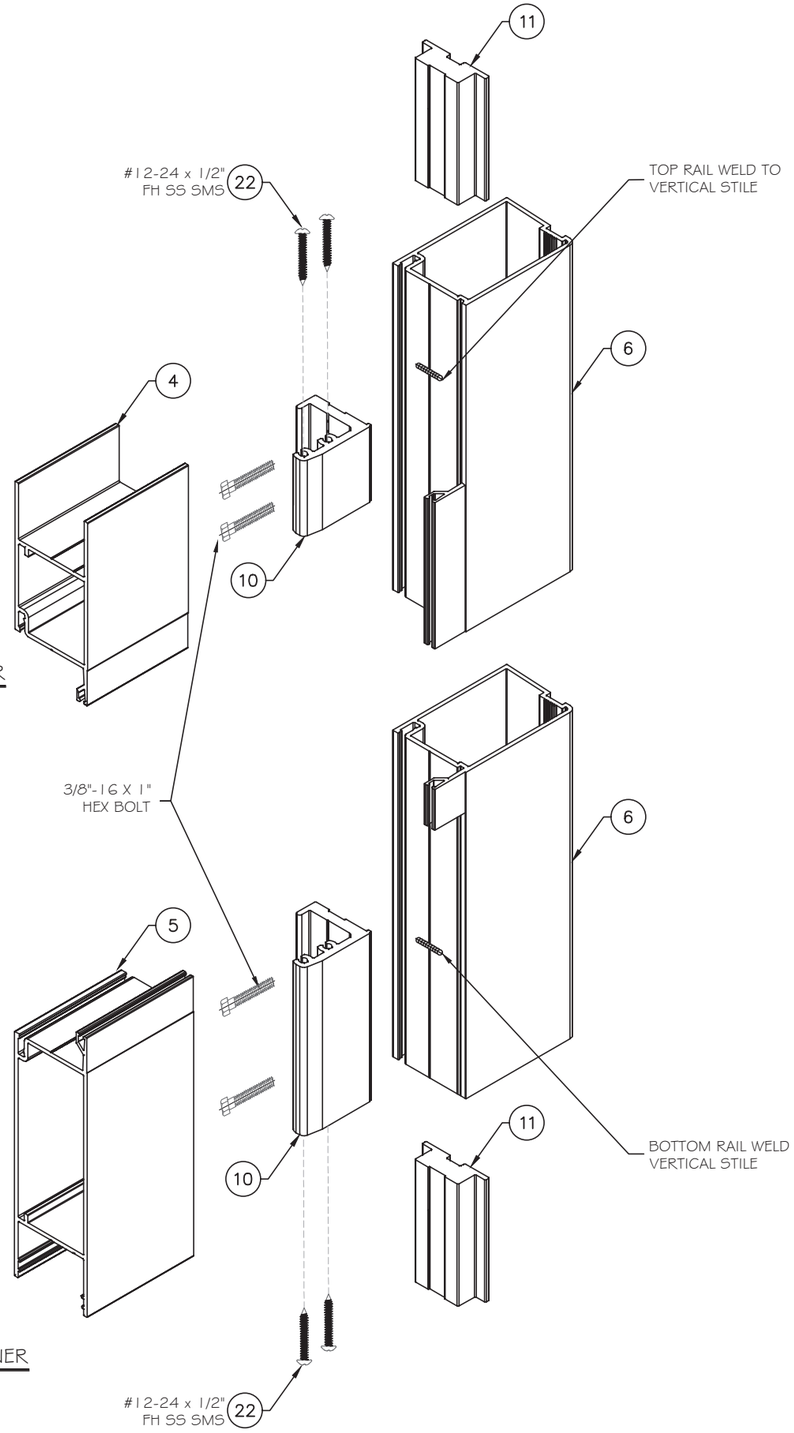
JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEALED: 10-15-2026

BILL OF MAT.

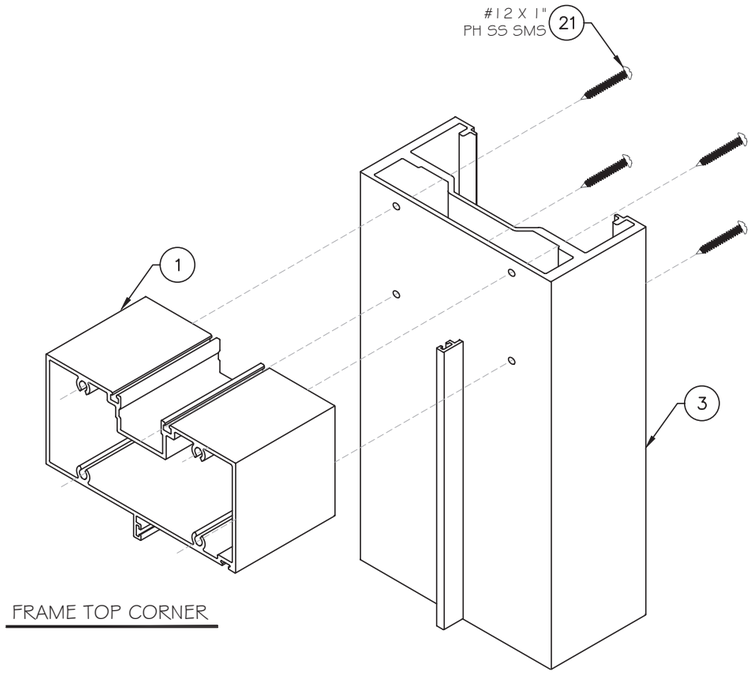
SHEET No. 19 OF 20

FL# 48398.1

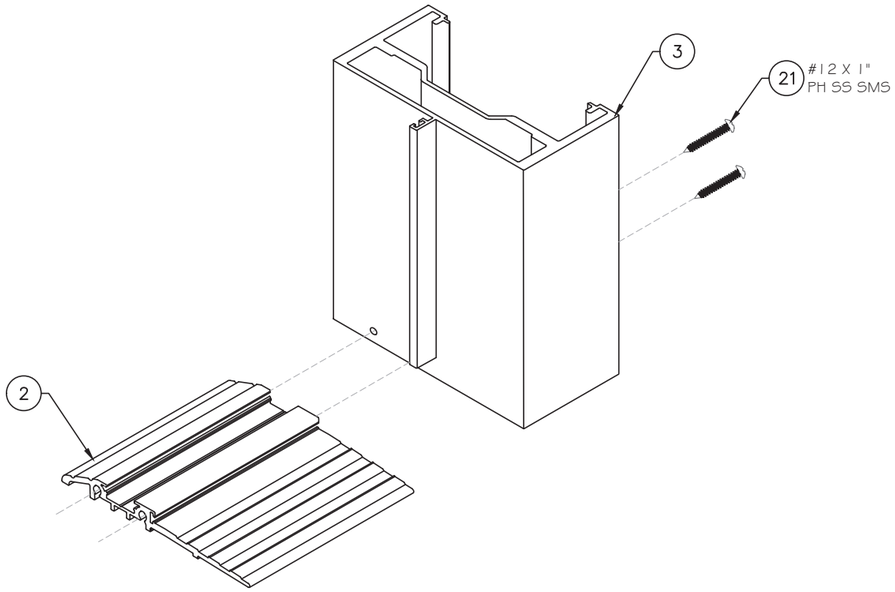


DOOR LEAF TOP CORNER

DOOR LEAF BOTTOM CORNER



FRAME TOP CORNER



THRESHOLD CORNER

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INSTALLATION

SHEET No.
20 OF 20