

ES-8860i SMALL MISSILE IMPACT ALUMINUM WINDOW WALL SYSTEM WITH INSULATED LAMINATED GLASS

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING THE REQUIREMENTS FOR HIGH VELOCITY HURRICANE ZONES (HVHZ).

THE CONTRACTOR USING THIS PRODUCT APPROVAL SHALL BE RESPONSIBLE TO INSTALL THE GLAZING PRODUCT HEREBY EVALUATED ACCORDING TO THIS DOCUMENT.

A QUALIFIED LICENSED DESIGN PROFESSIONAL (PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT) SHALL BE RESPONSIBLE TO PROVIDE THE LOADS THAT THE GLAZING SYSTEM IS TO WITHSTAND IN A SPECIFIC PROJECT. THOSE LOADS ARE TO BE COMPARED WITH THE ALLOWABLE LOADS HEREIN INDICATED ACCORDING TO THE INSTRUCTIONS ON THE RIGHT OF THE PAGE.

THE DESIGN PROFESSIONAL REPOSNSIBLE FOR THE SCOPE IN THE SPECIFIC PROJECT WHERE THIS PRODUCT APPROVAL IS TO BE USED WILL BECOME THE ENGINEER OF RECORD AND WILL BE RESPONSIBLE OF THE PROPER USE OF THIS DOCUMENT.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'

ANCHORS TO BE INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO SUBSTRATE SHALL BE BEYOND FINISHES.

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 BE ISOLATED TO MEET THE REQUIREMENTS OF THE 2026 FLORIDA BLDG. CODE.

CONDITIONS NOT SHOWN IN THESE DRAWINGS ARE TO BE ANALYZED SEPARATELY; THEY ARE NOT COVERED BY THIS PRODUCT APPROVAL.

PRODUCT LABELS TO COMPLY WITH SECTIONS 1709.9.2 AND 1709.9.3 OF THE FLORIDA BUILDING CODE.

THIS GLAZING SYSTEM IS RATED FOR SMALL MISSILE IMPACT. PROTECTIVE SHUTTERS ARE NOT REQUIRED AT ELEVATIONS ABOVE 30 FEET FROM GRADE.

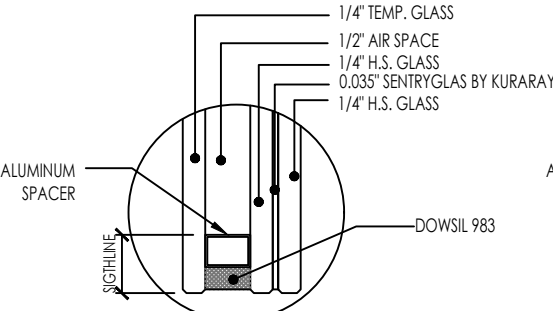
THIS DOCUMENT ADDRESSES ONLY THE STRUCTURAL COMPLIANCE OF THE GLAZING SYSTEM. ENERGY VALUES, THERMAL INFORMATION OR GLASS MANUFACTURING RESTRICTIONS SUCH AS COMPATIBILITY WITH ENERGY PERFORMANCE FILMS ARE OUT OF THE SCOPE OF THIS DOCUMENT.

INSTRUCTIONS:

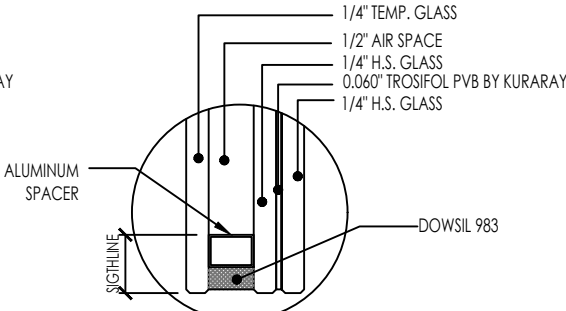
USE CHARTS AS FOLLOWS AND REFER TO DRAWING INDEX ON SHEET 2.

STEP 1 DETERMINE DESIGN WIND PRESSURE REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.

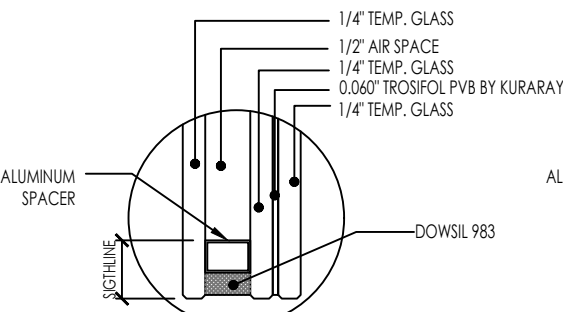
STEP 2 SEE CHARTS ON SHEETS 7 TO 31 FOR GLASS DESIGN LOAD CAPACITY. THIS APPROVAL DOCUMENT INCLUDES FOUR GLASS TYPES. THE USE OF EACH TYPE AS CAPTURED OR STRUCTURALLY GLAZED IS INDICATED IN THE ABOVE MENTIONED TABLES. THE GLASS TYPES ARE AS FOLLOWS:



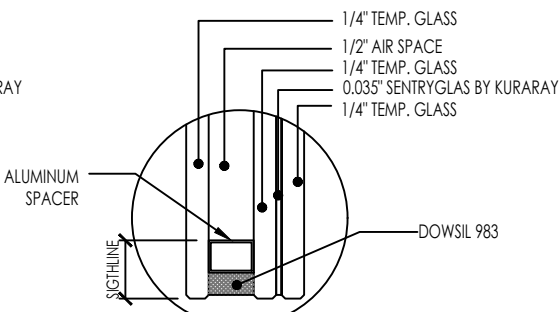
GL-1
SIGHTLINE TO BE CALCULATED BY
GLASS MANUFACTURER ON A INDIVIDUAL PROJECT BASIS



GL-2
SIGHTLINE TO BE CALCULATED BY
GLASS MANUFACTURER ON A INDIVIDUAL PROJECT BASIS



GL-3
SIGHTLINE TO BE CALCULATED BY
GLASS MANUFACTURER ON A INDIVIDUAL PROJECT BASIS



GL-4
SIGHTLINE TO BE CALCULATED BY
GLASS MANUFACTURER ON A INDIVIDUAL PROJECT BASIS

CONTINUE WITH STEP 3 ON NEXT PAGE

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PROJECT
ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG		
No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:
**DEERFIELD
TECHNICAL INC.**
CA# 36112

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★09/10/2026★
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

JOHN DELGADO, P.E.
FL. REG. # 94078

John Delgado
Digitally signed by John Delgado
DN: cn=John Delgado,
ou=Deerfield Technical Inc., c=US
Location: Orlando, FL
Reason: I am approving this document
Date: 2025.09.10 14:22:00 -0400

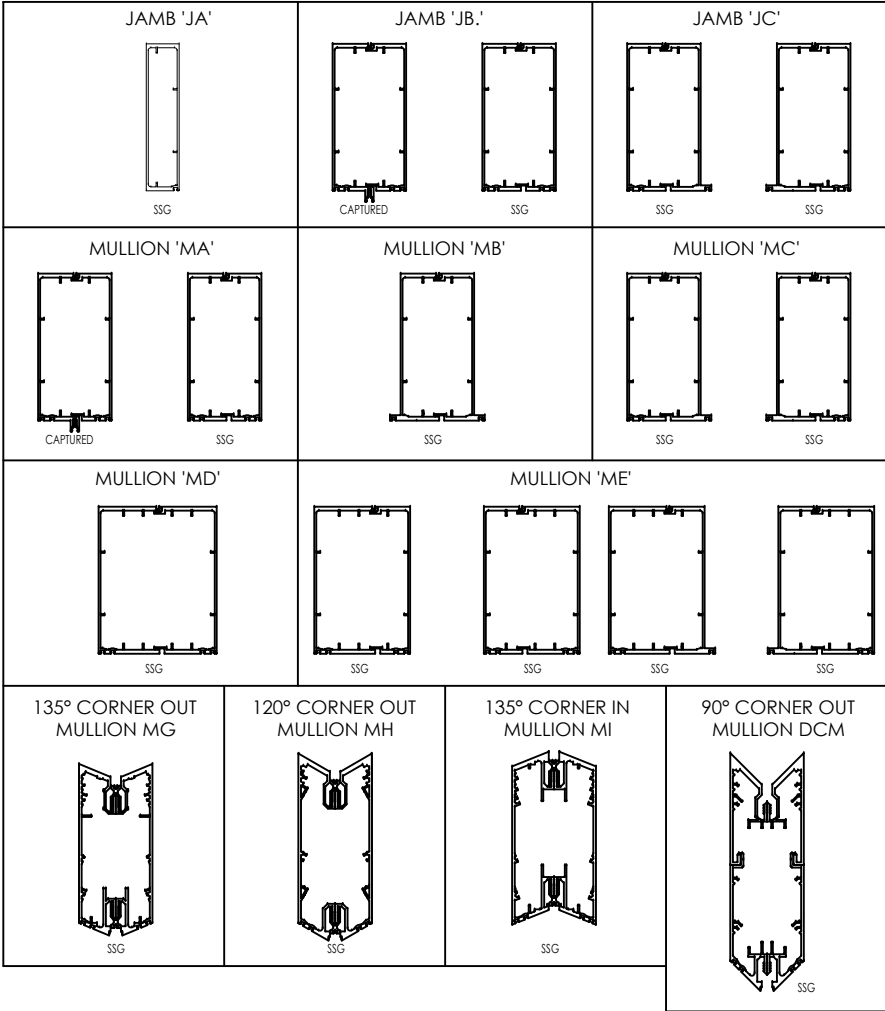
This item has been Digitally Signed and sealed by
John Delgado, P.E. on the date adjacent to the seal.
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DWG NUMBER DT-PA-ESW-002	SCALE N.T.S.	
PAGE 1 OF 57		

INSTRUCTIONS (CONTINUED):
USE CHARTS AS FOLLOWS AND REFER TO DRAWING INDEX

STEP 3 CHECK THE DESIGN LOAD CAPACITY OF THE STRUCTURAL SILICONE USED IN THE HORIZONTAL MEMBERS FOR A GIVEN DLO WIDTH USING CHARTS ON SHEET 9.

STEP 4 CHECK MULLION DESIGN LOAD CAPACITY FOR A GIVEN WIDTH AND HEIGHT USING CHARTS ON SHEET 32 TO 42. THE FOLLOWING ARE THE JAMBS AND MULLIONS INCLUDED IN THIS APPROVAL DOCUMENT:



STEP 5 USING CHARTS ON SHEETS 43 TO 45, SELECT THE ANCHOR OPTION WITH A DESIGN LOAD CAPACITY WHICH EXCEEDS OR MATCHES THE DESIGN LOAD SPECIFIED IN STEP 1.

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

DRAWING INDEX

SHEET	DESCRIPTION	GL-1	GL-2	GL-3	GL-4	CAPTURED	SSG	SLAB COVER	JAMB 'JA'	JAMB 'JB'	JAMB 'JC'	MULLION 'MA'	MULLION 'MB'	MULLION 'MC'	MULLION 'MD'	MULLION 'ME'	MULLION 'MG'	MULLION 'MH'	MULLION 'MI'	MULLION 'DCM'	DOOR MULLION	NO REINF.	1X REINF.	2X REINF.
1	COVER SHEET AND NOTES																							
2	DRAWING INDEX																							
3	CAPTURED SYSTEM GENERIC ELEVATION	X	X	X		X																		
4	CAPTURED SYSTEM ELEVATION WITH SLAB COVER	X	X	X		X		X																
5	SSG SYSTEM GENERIC ELEVATION	X	X	X	X		X																	
6	SSG SYSTEM ELEVATION WITH SLAB COVER	X	X	X	X		X	X																
7	SECTION GLAZING DETAILS, CAPTURED GLASS	X	X	X		X																		
8	GLASS DESIGN LOAD CAPACITY, CAPTURED GLASS	X	X	X		X																		
9	SECTION GLAZING DETAILS, SSG - SILICONE CAPACITY	X	X	X	X		X																	
10	SECTION GLAZING DETAILS, SSG - SILICONE CAPACITY	X	X	X	X		X																	
11	GLASS DESIGN LOAD CAPACITY, SSG	X	X				X		X	X		X												
12	GLASS DESIGN LOAD CAPACITY, SSG	X	X				X				X		X	X										
13	GLASS DESIGN LOAD CAPACITY, SSG	X	X				X								X	X								
14	GLASS DESIGN LOAD CAPACITY, SSG	X	X				X											X		X				
15	GLASS DESIGN LOAD CAPACITY, SSG	X	X				X												X					
16	GLASS DESIGN LOAD CAPACITY, SSG	X	X				X										X							
17	GLASS DESIGN LOAD CAPACITY, SSG			X	X		X		X	X		X												
18	GLASS DESIGN LOAD CAPACITY, SSG			X	X		X		X	X		X												
19	GLASS DESIGN LOAD CAPACITY, SSG			X	X		X				X		X	X										
20	GLASS DESIGN LOAD CAPACITY, SSG			X	X		X				X		X	X										
21	GLASS DESIGN LOAD CAPACITY, SSG			X	X		X								X	X								
22	GLASS DESIGN LOAD CAPACITY, SSG			X	X		X											X						
23	GLASS DESIGN LOAD CAPACITY, SSG			X	X		X											X						
24	GLASS DESIGN LOAD CAPACITY, SSG			X	X		X													X				
25	GLASS DESIGN LOAD CAPACITY, SSG			X	X		X													X				
26	GLASS DESIGN LOAD CAPACITY, SSG			X	X		X												X					
27	GLASS DESIGN LOAD CAPACITY, SSG			X	X		X												X					
28	GLASS DESIGN LOAD CAPACITY, SSG			X	X		X										X							
29	GLASS DESIGN LOAD CAPACITY, SSG			X	X		X										X							
30	GLASS DESIGN LOAD CAPACITY, CAPTURED GLASS	X	X	X		X		X																
31	GLASS DESIGN LOAD CAPACITY, SSG	X	X	X	X		X	X																
32	JAMB DESIGN LOAD CAPACITY, SSG & CAPTURED					X	X		X	X												X		
33	JAMB DESIGN LOAD CAPACITY, SSG & CAPTURED						X				X											X		
34	JAMB DESIGN LOAD CAPACITY, SSG & CAPTURED					X	X		X	X													X	
34.1	JAMB DESIGN LOAD CAPACITY, SSG & CAPTURED					X	X		X	X													X	
35	JAMB DESIGN LOAD CAPACITY, SSG & CAPTURED						X				X												X	
36	MULLION DESIGN LOAD CAPACITY, SSG & CAPTURED					X	X					X	X	X								X		
37	MULLION DESIGN LOAD CAPACITY, SSG & CAPTURED					X	X					X	X	X									X	
37.1	MULLION DESIGN LOAD CAPACITY, SSG & CAPTURED					X	X					X	X	X									X	
38	MULLION DESIGN LOAD CAPACITY, SSG & CAPTURED					X	X					X	X	X									X	
38.1	MULLION DESIGN LOAD CAPACITY, SSG & CAPTURED					X	X					X	X	X									X	
38.2	MULLION DESIGN LOAD CAPACITY, SSG & CAPTURED					X	X					X	X	X									X	
39	MULLION DESIGN LOAD CAPACITY, SSG & CAPTURED					X	X					X	X	X									X	
40	MULLION DESIGN LOAD CAPACITY, SSG						X								X	X							X	
41	MULLION DESIGN LOAD CAPACITY, SSG						X										X	X	X				X	X
42	MULLION DESIGN LOAD CAPACITY, SSG						X													X	X		X	X
43	ANCHOR CAPACITY TABLE					X	X																	
44	ANCHOR CAPACITY TABLE					X	X																	
45	ANCHOR DESCRIPTION AND LAYOUT					X	X																	
46	SYSTEM DETAILS																							
47	SYSTEM DETAILS																							
48	SYSTEM DETAILS																							
49	SYSTEM DETAILS																							
50	SYSTEM DETAILS																							
51	SYSTEM DETAILS																							
52	BILL OF MATERIALS																							
53	BILL OF MATERIALS (CONTINUED)																							
54	ALUMINUM PARTS DRAWINGS																							
55	ALUMINUM PARTS DRAWINGS																							
56	ALUMINUM PARTS DRAWINGS																							
57	ALUMINUM PARTS DRAWINGS																							

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PROJECT
ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

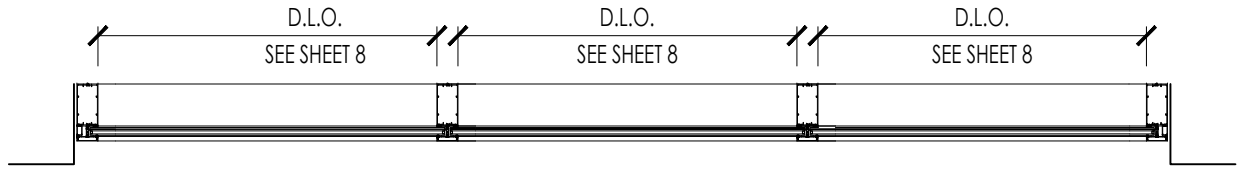
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R1	04/25/2025	UPDATE

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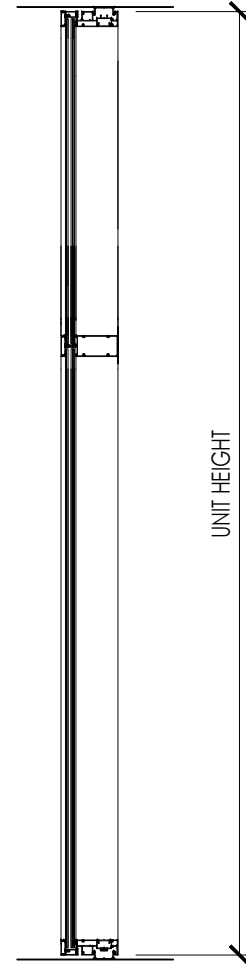
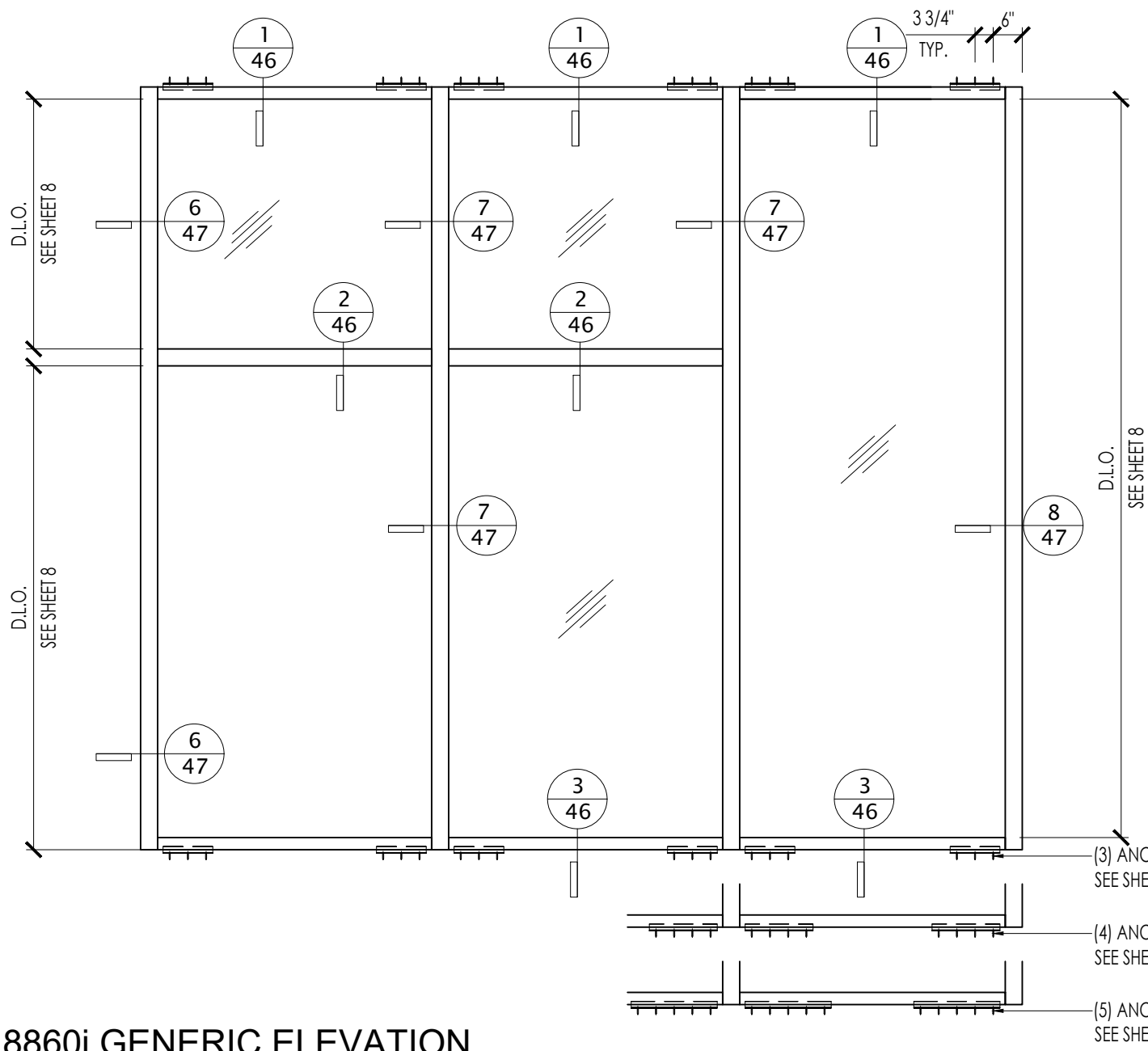
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DWG NUMBER DT-PA-ESW-002	SCALE N.T.S.	
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APPLY TO
CAPTURED
GL-1, GL-2
GL-3



**8860i GENERIC ELEVATION
CAPTURED SYSTEM**

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DWG NUMBER DT-PA-ESW-002	SCALE 3/8"=1'-0"	
PAGE 3 OF 57		

APPLY TO
CAPTURED
GL-1, GL-2
GL-3

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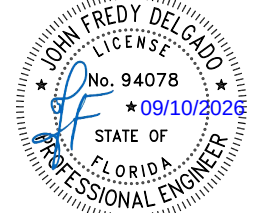
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WINDOW WALL SYSTEM
SMALL MISILE IMPACT

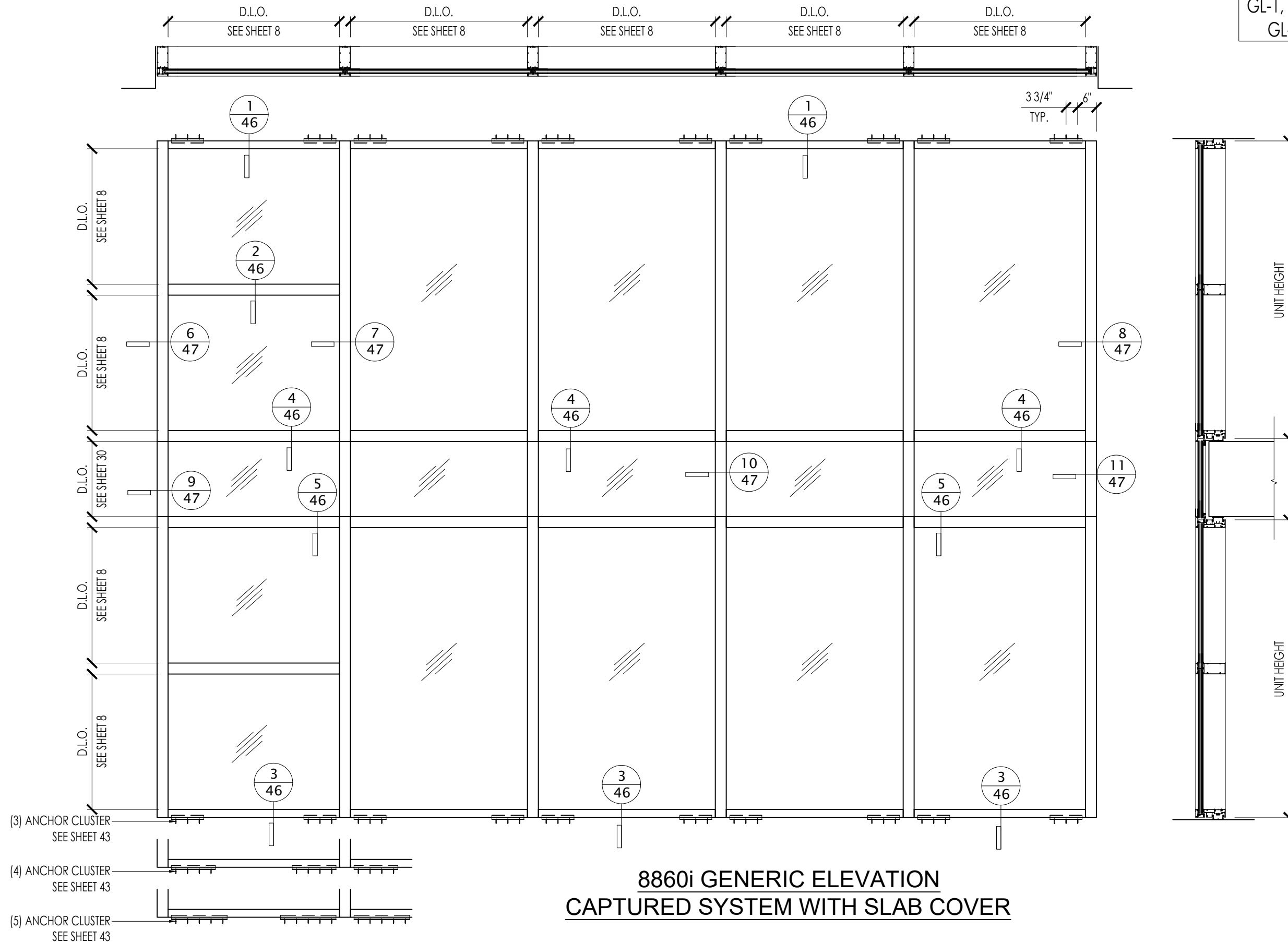
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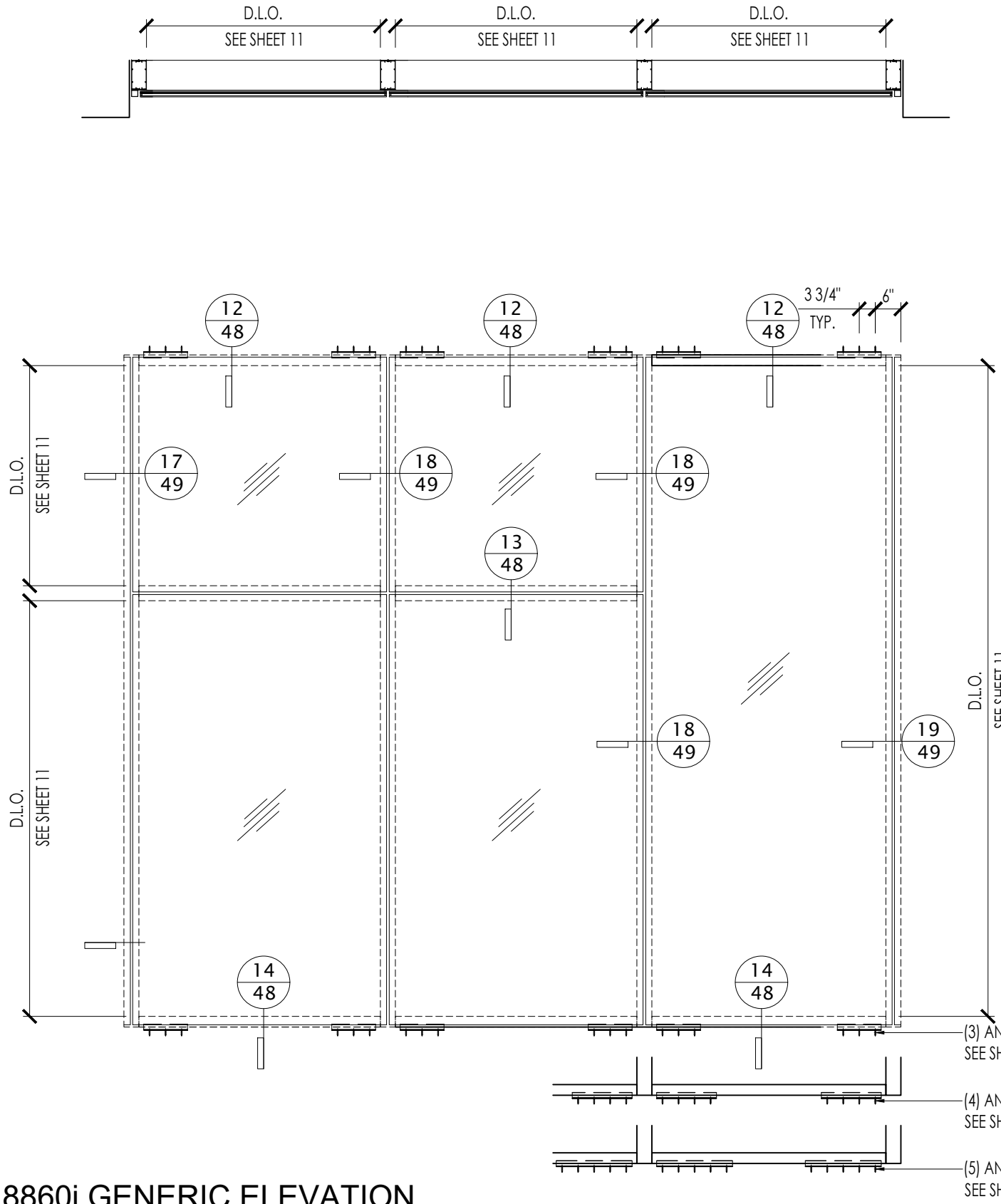
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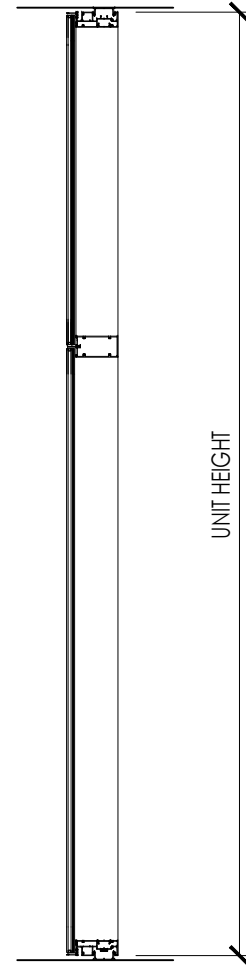
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DWG NUMBER DT-PA-ESW-002	SCALE 3/8"=1'-0"	
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8860i GENERIC ELEVATION
BUTT JOINT SYSTEM
(STRUCTURALLY GLAZED)

APPLY TO
SSG
GL-1, GL-2
GL-3, GL-4



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DWG NUMBER DT-PA-ESW-002	SCALE 3/8"=1'-0"	
PAGE 5 OF 57		

APPLY TO
SSG
GL-1, GL-2
GL-3, GL-4

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ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

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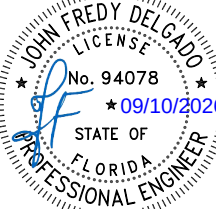
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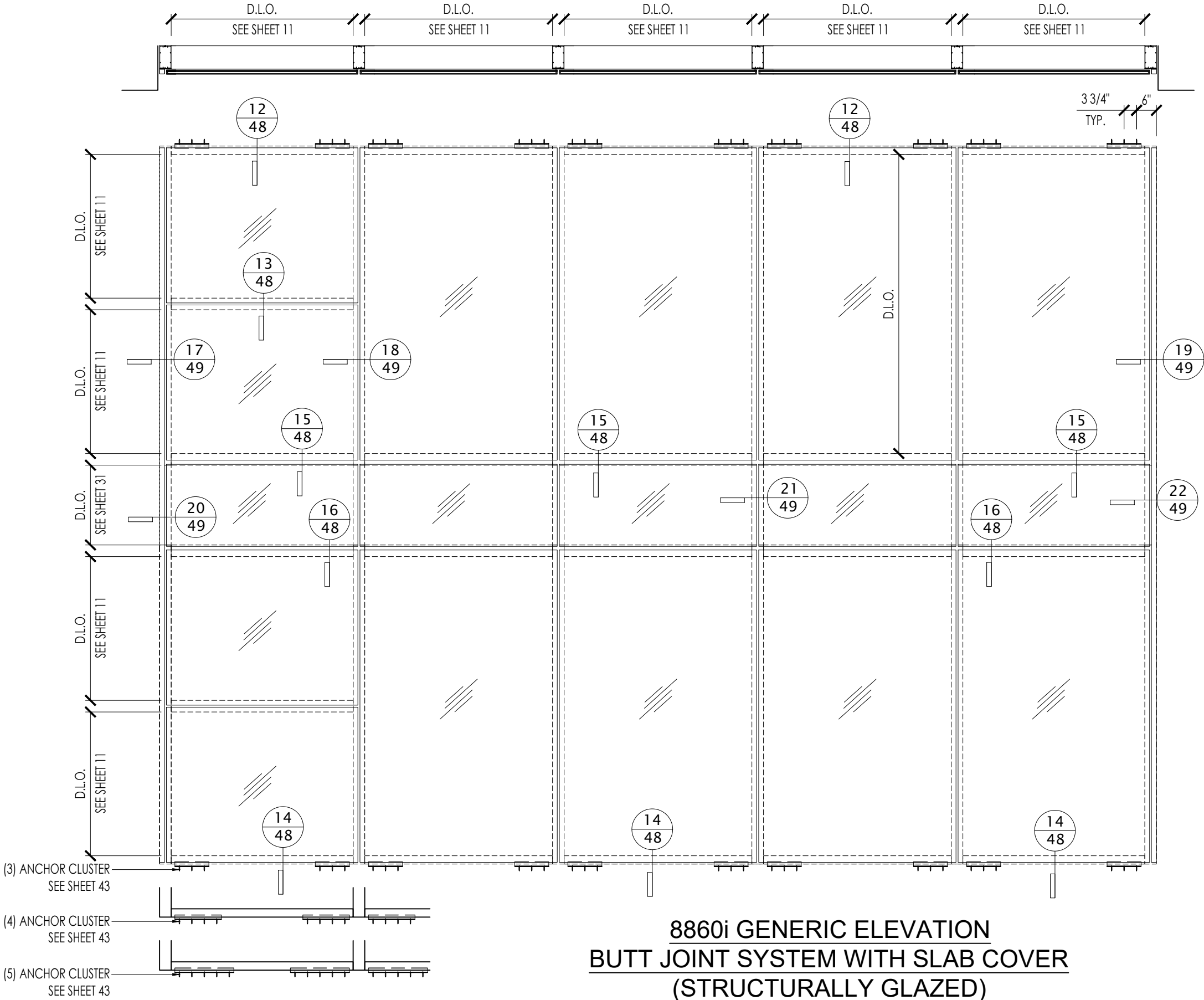
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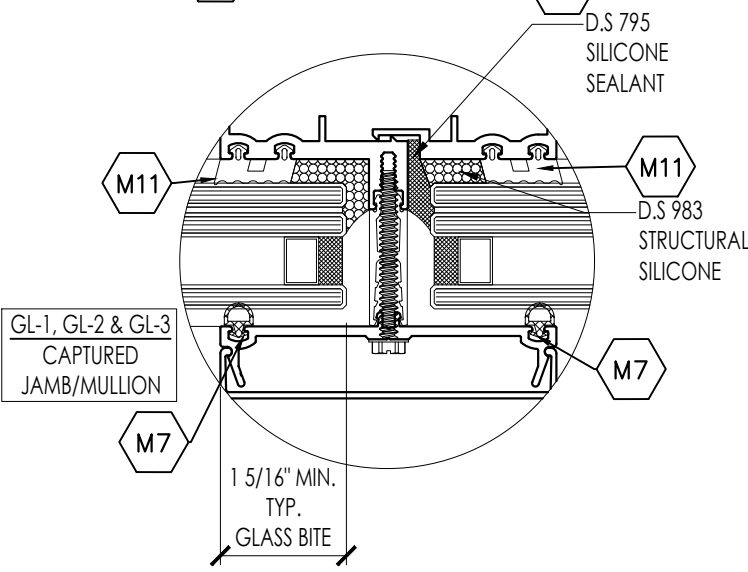
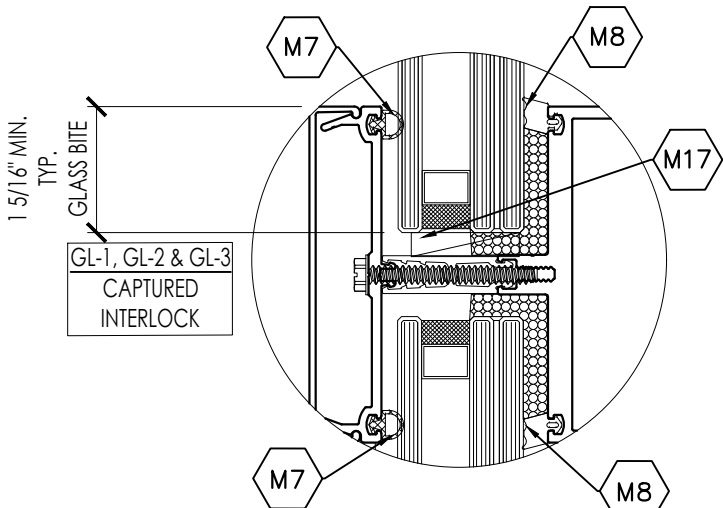
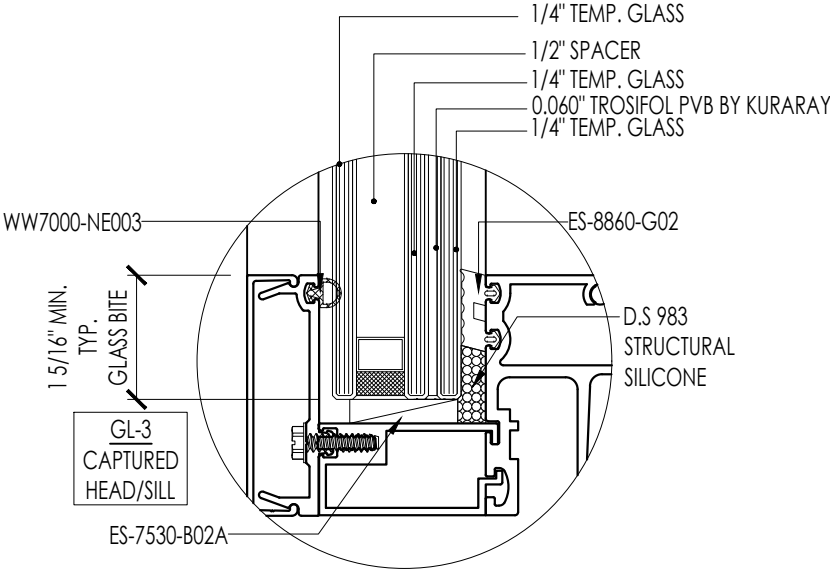
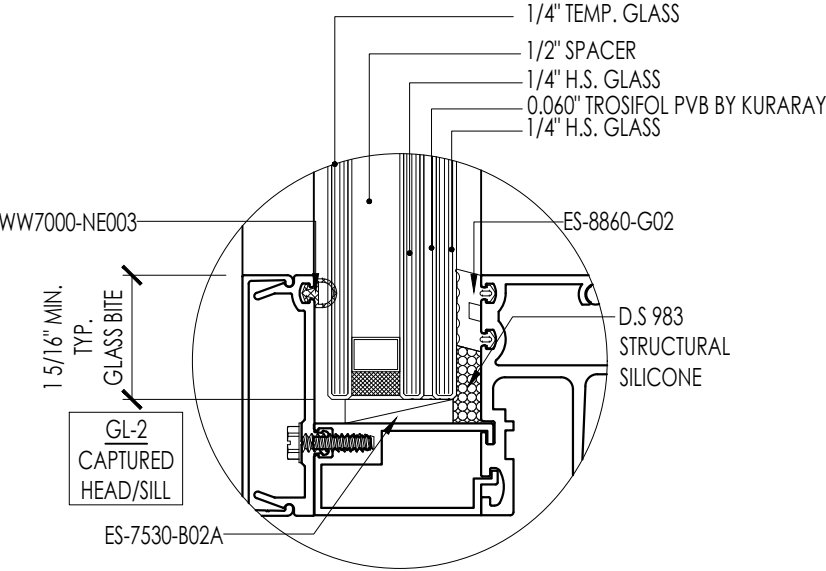
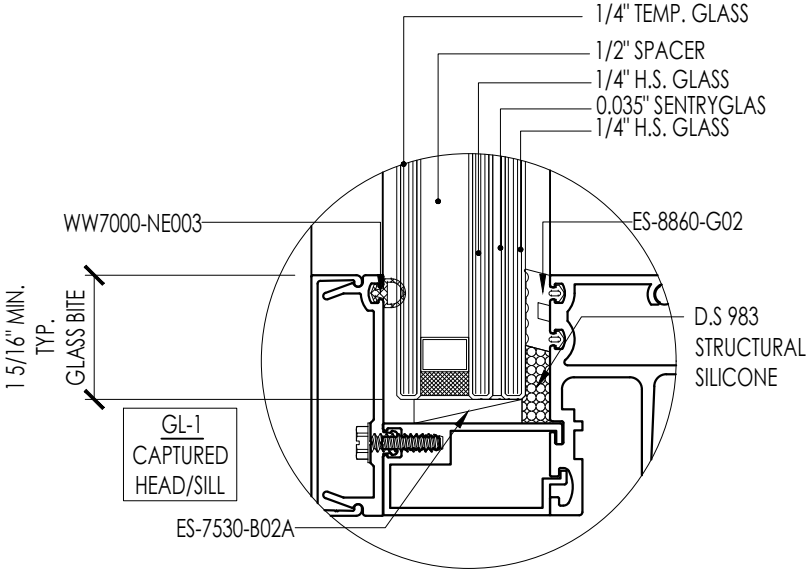
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DWG NUMBER DT-PA-ESW-002	SCALE 3/8"=1'-0"	
PAGE 6 OF 57		



8860i GENERIC ELEVATION
BUTT JOINT SYSTEM WITH SLAB COVER
(STRUCTURALLY GLAZED)

CAPTURED GLASS
VERTICAL SECTION (GLAZING) DETAILS



APPLY TO
CAPTURED
GL-1, GL-2
GL-3

CAPTURED GLASS
GLAZING DETAILS
SEE SHEET 8 FOR LOAD CAPACITY

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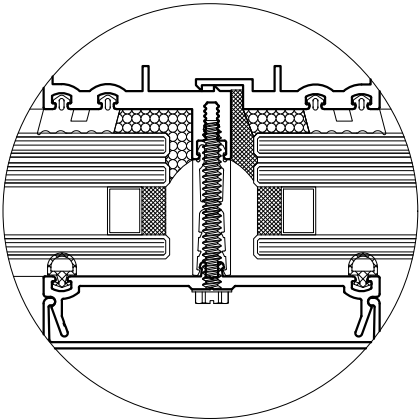
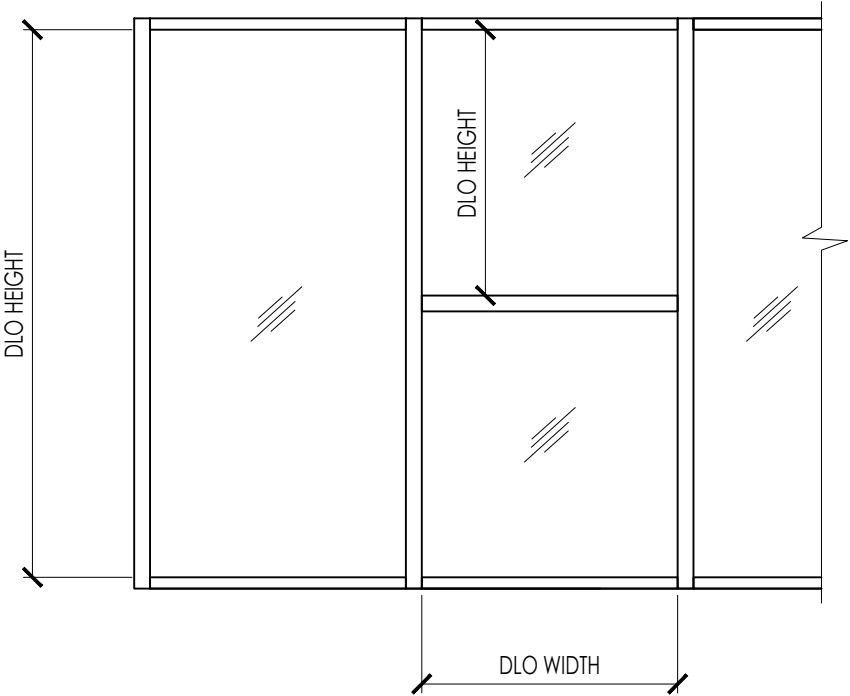
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DWG NUMBER DT-PA-ESW-002	SCALE 6"=1'-0"	
PAGE 7 OF 57		

DESIGN LOAD CAPACITY - PSF (CAPTURED GLASS)							
NOMINAL DIMENSIONS		GL-1		GL-2		GL-3	
DLO WIDTH	DLO HEIGHT	+	-	+	-	+	-
38	78	90	90	120	120	150	150
42		90	90	120	120	150	150
50		90	90	120	120	150	150
56		90	90	120	120	-	-
38	84	90	90	120	120	150	150
42		90	90	120	120	150	150
50		90	90	120	120	150	150
56		90	90	120	120	-	-
38	90	90	90	120	120	150	150
42		90	90	120	120	150	150
50		90	90	120	120	150	150
56		90	90	120	120	-	-
38	96	90	90	120	120	150	150
42		90	90	120	120	150	150
50		90	90	120	120	150	150
56		90	90	120	120	-	-
38	102	90	90	120	120	150	150
42		90	90	120	120	150	150
50		90	90	120	120	150	150
56		90	90	120	120	-	-
38	108	90	90	120	120	150	150
42		90	90	120	120	150	150
50		90	90	120	120	150	150
56		90	90	114	114	-	-
38	114	90	90	120	120	150	150
42		90	90	120	120	150	150
50		90	90	120	120	150	150
56		90	90	107	107	-	-
38	121	90	90	-	-	150	150
42		90	90	-	-	150	150
50		90	90	-	-	150	150
56		90	90	-	-	-	-
38	127	90	90	-	-	150	150
42		90	90	-	-	150	150
50		90	90	-	-	150	150
56		90	90	-	-	-	-
38	133	90	90	-	-	150	150
42		90	90	-	-	150	150
50		90	90	-	-	150	150
56		90	90	-	-	-	-
38	139	90	90	-	-	150	150
42		90	90	-	-	150	150
50		90	90	-	-	150	150
56		90	90	-	-	-	-
38	145	90	90	-	-	150	150
42		90	90	-	-	150	150
50		90	90	-	-	150	150
56		90	90	-	-	-	-
38	151	90	90	-	-	150	150
42		90	90	-	-	150	150
50		90	90	-	-	150	150
56		90	90	-	-	-	-

SEE SHEET 7 FOR CAPTURED GLAZING DETAILS

NOMINAL DIMENSIONS		GL-1		GL-2		GL-3	
DLO WIDTH	DLO HEIGHT	+	-	+	-	+	-
38	156	-	-	-	-	150	150
42		-	-	-	-	150	150
46		-	-	-	-	150	150
50		-	-	-	-	150	150
38	162	-	-	-	-	150	150
42		-	-	-	-	150	150
46		-	-	-	-	150	150
50		-	-	-	-	150	150
38	168	-	-	-	-	150	150
42		-	-	-	-	150	150
46		-	-	-	-	150	150
50		-	-	-	-	150	150
38	174	-	-	-	-	150	150
42		-	-	-	-	150	150
46		-	-	-	-	150	150
50		-	-	-	-	150	150
38	180	-	-	-	-	150	150
42		-	-	-	-	150	150
46		-	-	-	-	150	150
50		-	-	-	-	150	150



CAPTURED GLASS
GLASS CAPACITY TABLE

SEE SHEET 7 FOR SECTION GLAZING DETAILS

APPLY TO
CAPTURED
GL-1, GL-2
GL-3

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ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG		
No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:
**DEERFIELD
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CA# 36112

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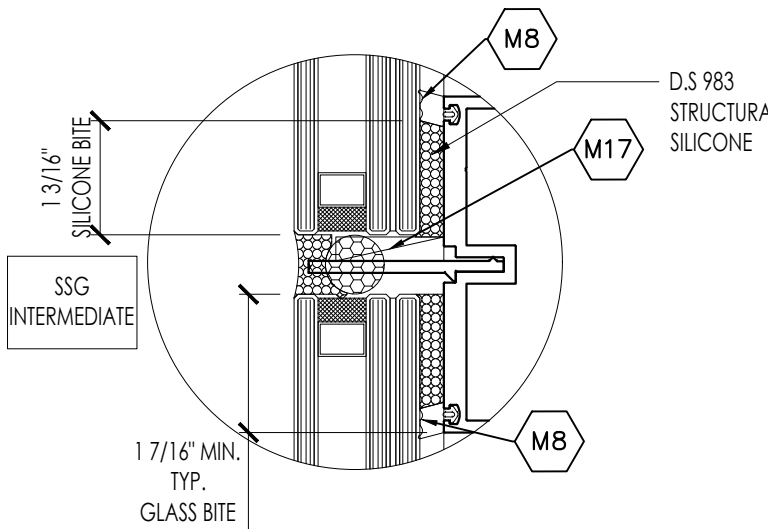
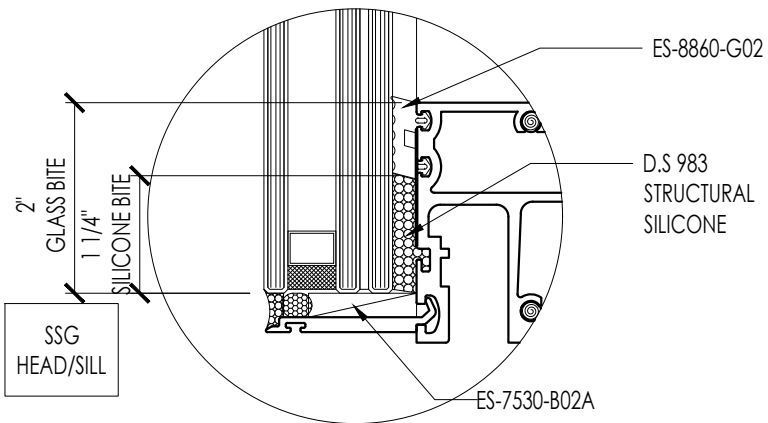
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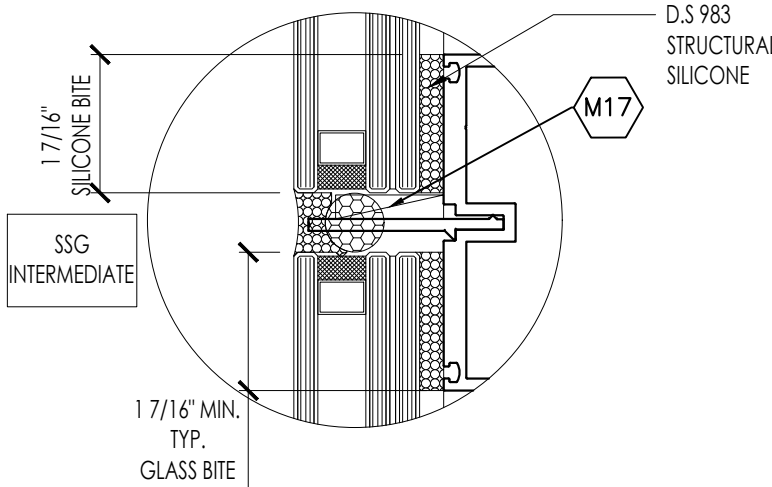
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DWG NUMBER DT-PA-ESW-002	SCALE 6"=1'-0"	
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STRUCTURALLY GLAZED (SSG)
VERTICAL SECTION (GLAZING) DETAILS



STRUCTURAL SILICONE DESIGN LOAD CAPACITY - PSF (SSG GLASS)		
DLO WIDTH	Pd	
	+	-
42	162	162
50	136	136
56	122	122
62	110	110
68	100	100
73	93	93



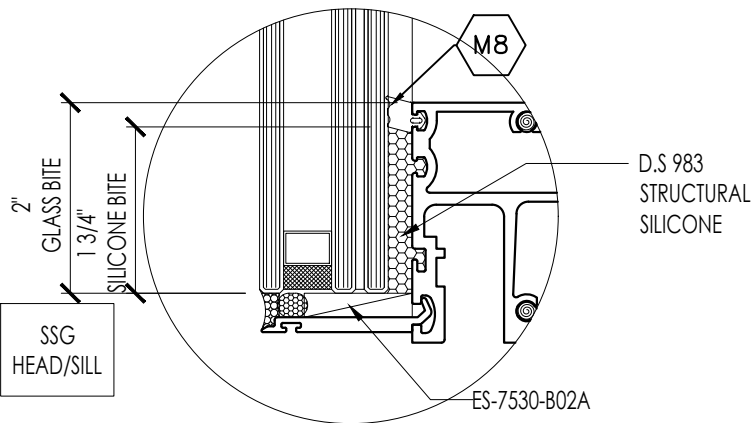
STRUCTURAL SILICONE DESIGN LOAD CAPACITY - PSF (SSG GLASS)		
DLO WIDTH	Pd	
	+	-
42	189	189
50	165	165
56	147	147
62	133	133
68	121	121
73	113	113

GLASS SILICONE CAPACITY
IN HORIZONTAL MEMBERS

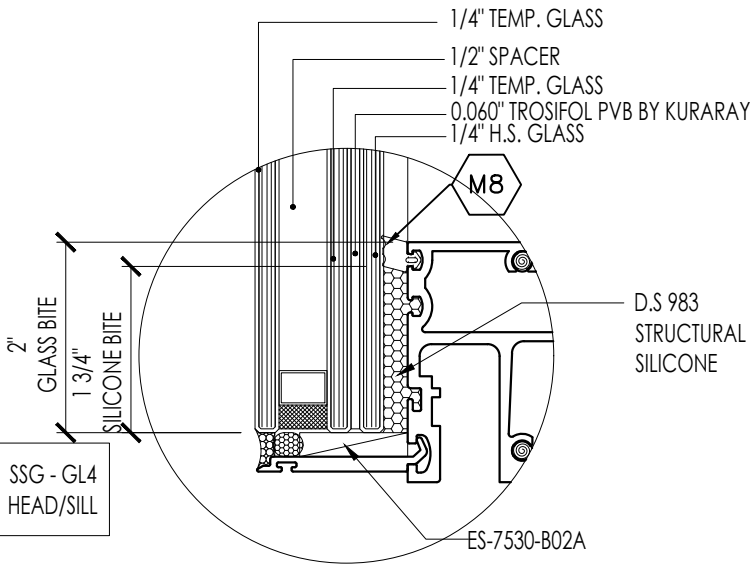
REFER TO SHEETS 11 TO 29
FOR GLASS CAPACITY

APPLY TO

SSG
GL-1, GL-2
GL-3, GL-4



STRUCTURAL SILICONE DESIGN LOAD CAPACITY - PSF (SSG GLASS)		
DLO WIDTH	Pd	
DLO WIDTH	+	-
42	189	189
50	189	189
56	180	180
62	162	162
68	148	148
73	138	138



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FL #44674.2

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DWG NUMBER DT-PA-ESW-002	SCALE 6"=1'-0"	
PAGE 9 OF 57		

STRUCTURALLY GLAZED (SSG)
VERTICAL SECTION (GLAZING) DETAILS

GLASS SILICONE CAPACITY
IN HORIZONTAL MEMBERS

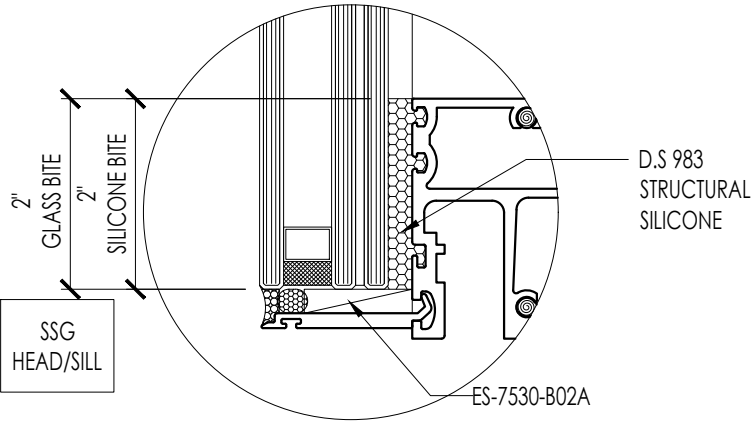
APPLY TO

SSG
GL-1, GL-2
GL-3, GL-4

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REFER TO SHEETS 11 TO 29
FOR GLASS CAPACITY



STRUCTURAL SILICONE DESIGN LOAD CAPACITY - PSF (SSG GLASS)		
DLO WIDTH	Pd	
	+	-
42	189	189
50	189	189
56	189	189
62	185	185
68	169	169
73	157	157

ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

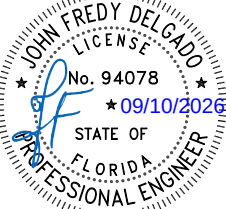
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STRUCTURALLY GLAZED (SSG)
W/ REGULAR MULLION AND JAMB
GLASS CAPACITY TABLE

DESIGN LOAD CAPACITY - PSF (SSG GLASS)					
NOMINAL DIMENSIONS		GL-1		GL-2	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	84	140	140	120	120
50		140*	140*	120	120
56		140*	140*	120	120
62		133*	133*	120	120
68		121*	121*	-	-
42	90	140	140	120	120
50		140*	140*	120	120
56		140*	140*	120	120
62		134*	134*	-	-
68		90	90	-	-
42	96	140	140	120	120
50		140*	140*	120	120
56		140*	140*	120	120
62		90	90	-	-
68		90	90	-	-
42	102	140	140	120	120
50		140*	140*	120	120
56		140*	140*	120	120
62		90	90	-	-
68		90	90	-	-
42	108	140	140	120	120
50		140*	140*	120	120
56		90	90	114	114
62		90	90	-	-
68		90	90	-	-
42	114	140	140	120	120
50		140*	140*	120	120
56		90	90	107	107
62		90	90	-	-
68		90	90	-	-
42	120	140	140	111	111
50		90	90	111	111
56		90	90	104	104
62		90	90	-	-
68		90	90	-	-
42	127	140	140	111	111
50		90	90	111	111
56		90	90	-	-
62		90	90	-	-
68		-	-	-	-
42	133	140	140	111	111
50		90	90	-	-
56		90	90	-	-
62		90	90	-	-
68		-	-	-	-

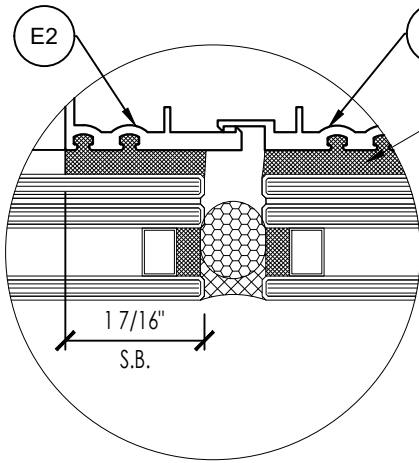
FOR GL-1: WHERE INDICATED BY THE (*), CAPACITY IS
WITH NO SPACER GASKET.
SEE NOTE BELOW & TABLE TO THE BOTTOM RIGHT
FOR CAPACITY WITH SPACER GASKET

SEE SHEET 9 FOR SSG GLAZING DETAILS

NOMINAL DIMENSIONS		GL-1		GL-2	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	139	90	90	111	111
50		90	90	-	-
56		90	90	-	-
62		-	-	-	-
68		-	-	-	-
42	147	90	90	111	111
46		90	90	111	111
50		90	90	-	-
58		-	-	-	-
62		-	-	-	-
38	151	90	90	-	-
42		90	90	-	-
50		90	90	-	-
56		-	-	-	-
62		-	-	-	-

(*) FOR GL-1 ONLY: DESIGN PRESSURES WITH THIS SIGN SHOWN ON TABLE
ABOVE FOR THE SPECIFIC SIZES INDICATED ARE ALLOWED WITH NO
SILICONE GLASS SPACER USED IN MULLION. SEE DETAIL BELOW. SEE
TABLE ON THE RIGHT FOR CAPACITY WITH SPACER GASKET

(*) GL-1 ONLY: SSG JAMB/MULLION
WITH NO SILICONE SPACER GASKET



D.S 983
STRUCTURAL
SILICONE

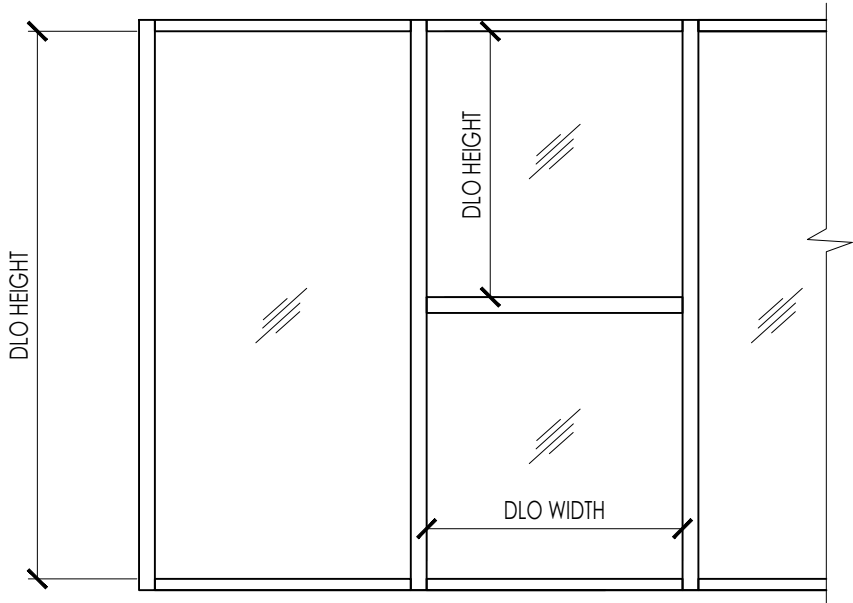
DETAILS AND TABLES
APPLY TO JAMB JA

REGULAR MULLION AND JAMB
STRUCTURALLY GLAZED (SSG)
GLASS CAPACITY TABLE

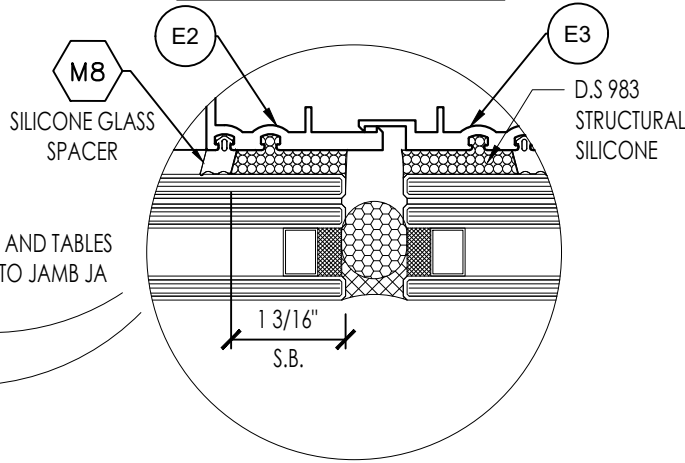
SEE SHEET 9 FOR GLAZING DETAILS

APPLY TO

SSG
GL-1, GL-2



GL-1 & GL-2. SSG JAMB/MULLION
WITH SILICONE SPACER GASKET



DETAILS AND TABLES
APPLY TO JAMB JA

FOR GL-1 ONLY: CAPACITY TABLE OF GLASS WITH
SPACER GASKETS IN THE MULLION. SEE DETAIL ABOVE.

NOMINAL DIMENSIONS		GL-1	
DLO WIDTH (W)	DLO HEIGHT (H)	PSF (+)	PSF (-)
50	50 < H <= 114	129	129
	114 < H <= 151	90	129
56	56 < H <= 102	115	115
	102 < H <= 151	90	90
62	62 < H <= 90	104	104
	90 < H <= 133	90	90
68	68 < H <= 84	95	95
	84 < H <= 120	90	90

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ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISSILE IMPACT

FL #44674.2

DRAWING REVISION LOG

No.	Date:	Revision:
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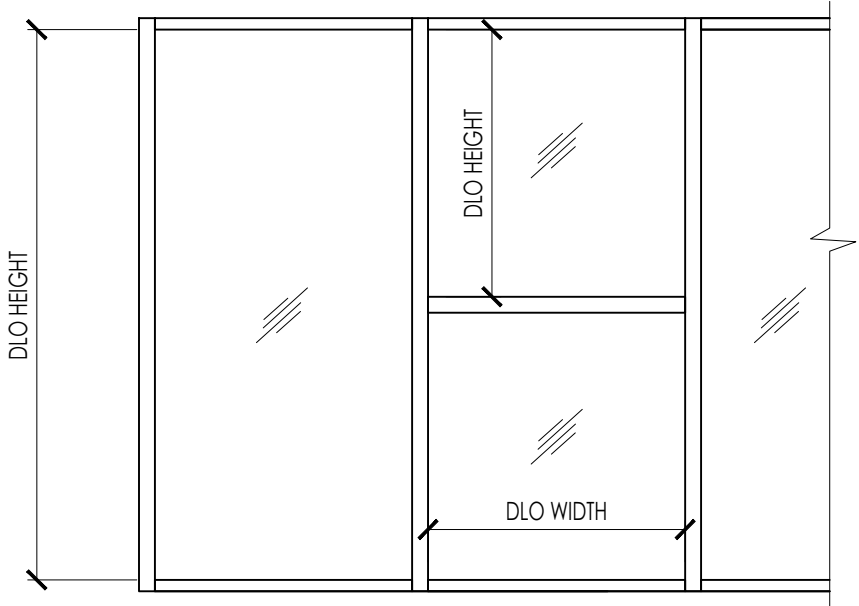
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DWG NUMBER DT-PA-ESW-002	SCALE N.T.S.	
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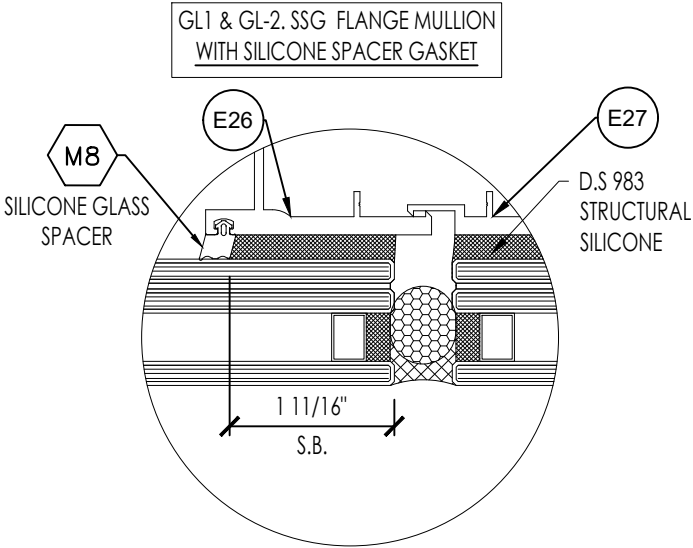
STRUCTURALLY GLAZED (SSG)
W/ FLANGE MULLION
GLASS CAPACITY TABLE

DESIGN LOAD CAPACITY - PSF (SSG GLASS)					
NOMINAL DIMENSIONS		GL-1		GL-2	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	84	140	140	120	120
50		140	140	120	120
56		140	140	120	120
62		133	133	120	120
68		121	121	-	-
42	90	140	140	120	120
50		140	140	120	120
56		140	140	120	120
62		134	134	-	-
68		90	90	-	-
42	96	140	140	120	120
50		140	140	120	120
56		140	140	120	120
62		90	90	-	-
68		90	90	-	-
42	102	140	140	120	120
50		140	140	120	120
56		140	140	120	120
62		90	90	-	-
68		90	90	-	-
42	108	140	140	120	120
50		140	140	120	120
56		90	90	114	114
62		90	90	-	-
68		90	90	-	-
42	114	140	140	120	120
50		140	140	120	120
56		90	90	107	107
62		90	90	-	-
68		90	90	-	-
42	120	140	140	111	111
50		90	90	111	111
56		90	90	104	104
62		90	90	-	-
68		90	90	-	-
42	127	140	140	111	111
50		90	90	111	111
56		90	90	-	-
62		90	90	-	-
68		-	-	-	-
42	133	140	140	111	111
50		90	90	-	-
56		90	90	-	-
62		90	90	-	-
68		-	-	-	-

NOMINAL DIMENSIONS		GL-1		GL-2	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	139	90	90	111	111
50		90	90	-	-
56		90	90	-	-
62		-	-	-	-
68		-	-	-	-
42	147	90	90	111	111
46		90	90	111	111
50		90	90	-	-
58		-	-	-	-
62		-	-	-	-
38	151	90	90	-	-
42		90	90	-	-
50		90	90	-	-
56		-	-	-	-
62		-	-	-	-



FLANGE MULLION
STRUCTURALLY GLAZED (SSG)
GLASS CAPACITY TABLE



APPLY TO

SSG
GL-1, GL-2

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PROJECT
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WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG

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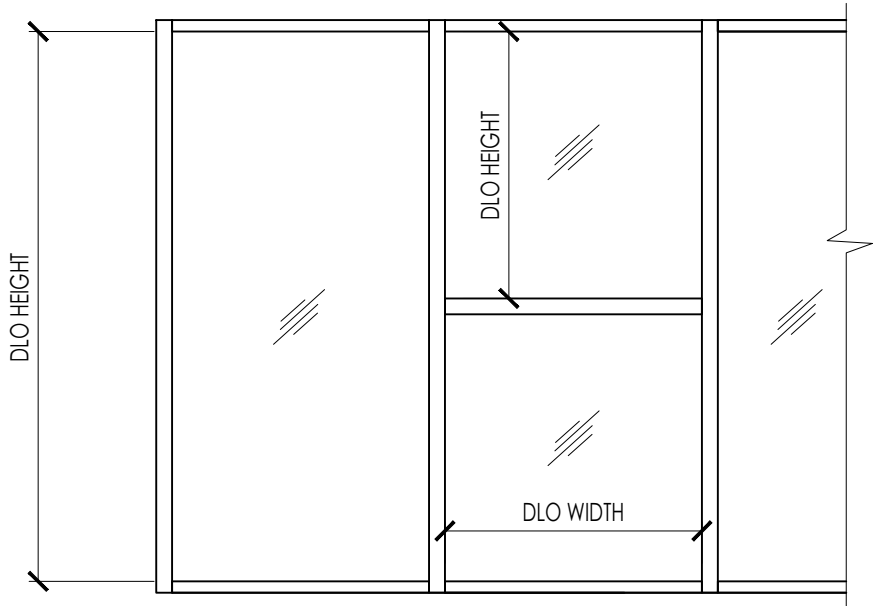
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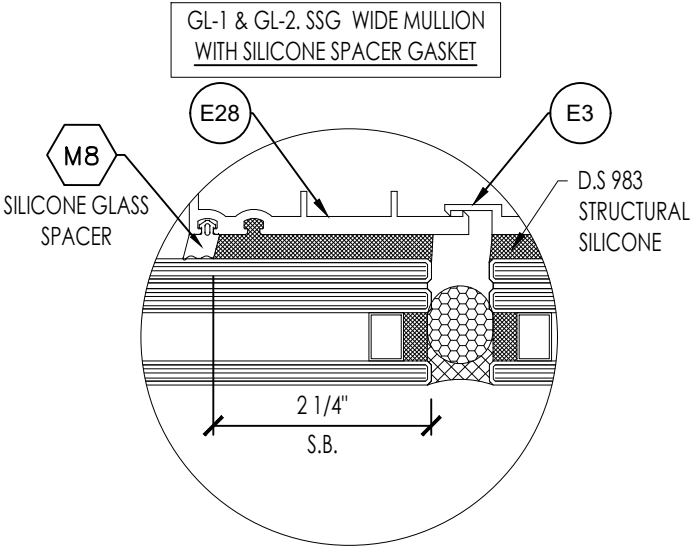
STRUCTURALLY GLAZED (SSG)
W/ WIDE MULLION
GLASS CAPACITY TABLE

DESIGN LOAD CAPACITY - PSF (SSG GLASS)					
NOMINAL DIMENSIONS		GL-1		GL-2	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	84	140	140	120	120
50		140	140	120	120
56		140	140	120	120
62		133	133	120	120
68		121	121	-	-
42	90	140	140	120	120
50		140	140	120	120
56		140	140	120	120
62		134	134	-	-
68		90	90	-	-
42	96	140	140	120	120
50		140	140	120	120
56		140	140	120	120
62		90	90	-	-
68		90	90	-	-
42	102	140	140	120	120
50		140	140	120	120
56		140	140	120	120
62		90	90	-	-
68		90	90	-	-
42	108	140	140	120	120
50		140	140	120	120
56		90	90	114	114
62		90	90	-	-
68		90	90	-	-
42	114	140	140	120	120
50		140	140	120	120
56		90	90	107	107
62		90	90	-	-
68		90	90	-	-
42	120	140	140	111	111
50		90	90	111	111
56		90	90	104	104
62		90	90	-	-
68		90	90	-	-
42	127	140	140	111	111
50		90	90	111	111
56		90	90	-	-
62		90	90	-	-
68		-	-	-	-
42	133	140	140	111	111
50		90	90	-	-
56		90	90	-	-
62		90	90	-	-
68		-	-	-	-

NOMINAL DIMENSIONS		GL-1		GL-2	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	139	90	90	111	111
50		90	90	-	-
56		90	90	-	-
62		-	-	-	-
68		-	-	-	-
42	147	90	90	111	111
46		90	90	111	111
50		90	90	-	-
58		-	-	-	-
62		-	-	-	-
38	151	90	90	-	-
42		90	90	-	-
50		90	90	-	-
56		-	-	-	-
62		-	-	-	-



WIDE MULLION
STRUCTURALLY GLAZED (SSG)
GLASS CAPACITY TABLE



APPLY TO

SSG
GL-1, GL-2

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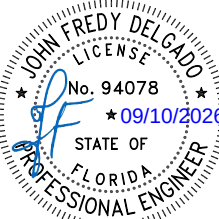
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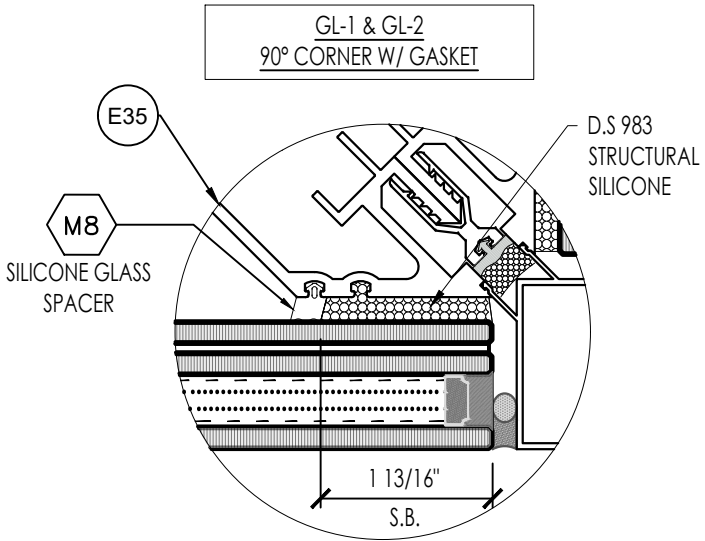
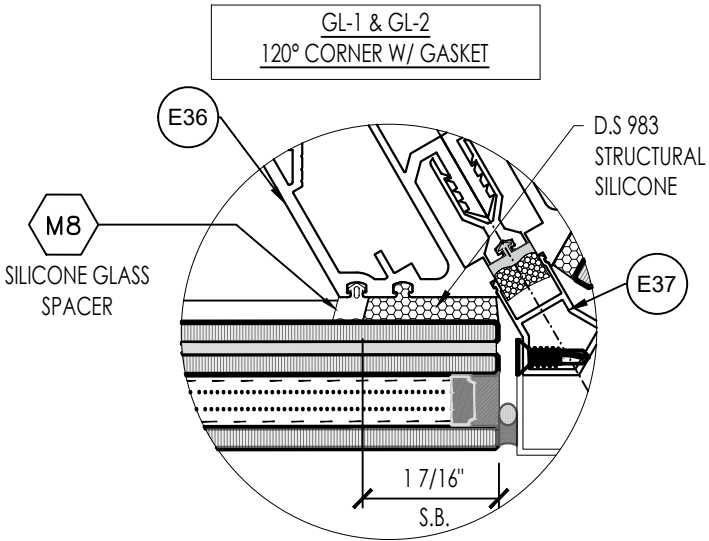
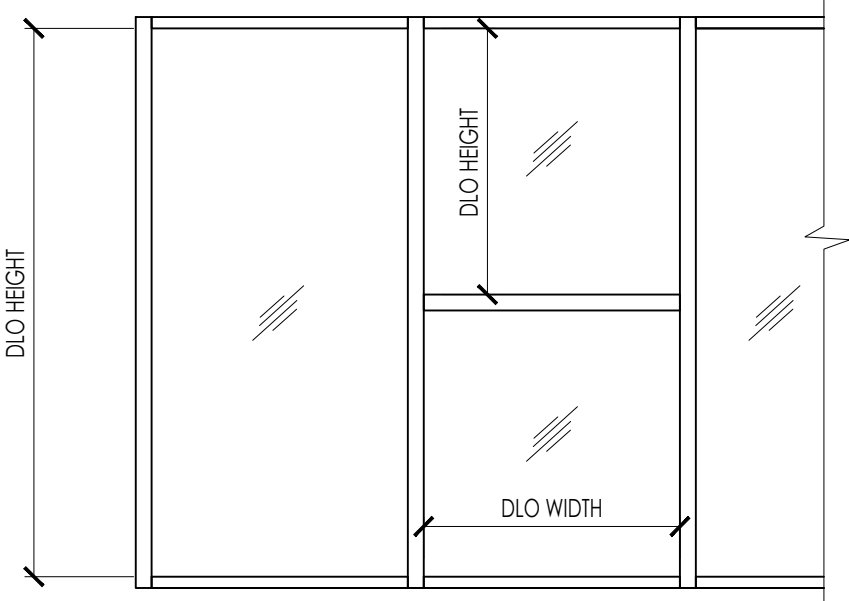
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STRUCTURALLY GLAZED (SSG)
W/ 120° & 90° OUT CORNER MULLION
GLASS CAPACITY TABLE

DESIGN LOAD CAPACITY - PSF (SSG GLASS)					
NOMINAL DIMENSIONS		GL-1		GL-2	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	84	140	140	120	120
50		140	140	120	120
56		140	140	120	120
62		133	133	120	120
68		121	121	-	-
42	90	140	140	120	120
50		140	140	120	120
56		140	140	120	120
62		134	134	-	-
68		90	90	-	-
42	96	140	140	120	120
50		140	140	120	120
56		140	140	120	120
62		90	90	-	-
68		90	90	-	-
42	102	140	140	120	120
50		140	140	120	120
56		140	140	120	120
62		90	90	-	-
68		90	90	-	-
42	108	140	140	120	120
50		140	140	120	120
56		90	90	114	114
62		90	90	-	-
68		90	90	-	-
42	114	140	140	120	120
50		140	140	120	120
56		90	90	107	107
62		90	90	-	-
68		90	90	-	-
42	120	140	140	111	111
50		90	90	111	111
56		90	90	104	104
62		90	90	-	-
68		90	90	-	-
42	127	140	140	111	111
50		90	90	111	111
56		90	90	-	-
62		90	90	-	-
68		-	-	-	-
42	133	140	140	111	111
50		90	90	-	-
56		90	90	-	-
62		90	90	-	-
68		-	-	-	-

NOMINAL DIMENSIONS		GL-1		GL-2	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	139	90	90	111	111
50		90	90	-	-
56		90	90	-	-
62		-	-	-	-
68		-	-	-	-
42	147	90	90	111	111
46		90	90	111	111
50		90	90	-	-
58		-	-	-	-
62		-	-	-	-
38	151	90	90	-	-
42		90	90	-	-
50		90	90	-	-
56		-	-	-	-
62		-	-	-	-



120° & 90° OUT CORNER MULLION
STRUCTURALLY GLAZED (SSG)
GLASS CAPACITY TABLE

E.S.
WINDOWS, LLC

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MIAMI, FL 33142
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ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

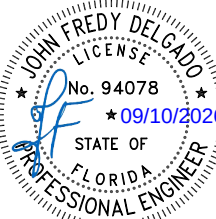
DRAWING REVISION LOG

No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:
**DEERFIELD
TECHNICAL INC.**
CA# 36112

111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

CHECKED FOR STRUCTURAL
COMPLIANCE ONLY. BY:



JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE N.T.S.	
PAGE 14 OF 57		

STRUCTURALLY GLAZED (SSG)
W/ 135° CORNER IN MULLION
GLASS CAPACITY TABLE

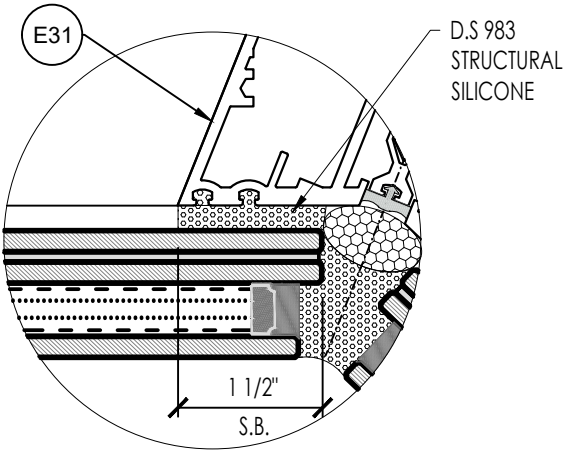
DESIGN LOAD CAPACITY - PSF (SSG GLASS)					
NOMINAL DIMENSIONS		GL-1		GL-2	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	84	140	140	120	120
50		140*	140*	120	120
56		140*	140*	120	120
62		133*	133*	120	120
68		121*	121*	-	-
42	90	140	140	120	120
50		140*	140*	120	120
56		140*	140*	120	120
62		134*	134*	-	-
68		90	90	-	-
42	96	140	140	120	120
50		140*	140*	120	120
56		140*	140*	120	120
62		90	90	-	-
68		90	90	-	-
42	102	140	140	120	120
50		140*	140*	120	120
56		140*	140*	120	120
62		90	90	-	-
68		90	90	-	-
42	108	140	140	120	120
50		140*	140*	120	120
56		90	90	114	114
62		90	90	-	-
68		90	90	-	-
42	114	140	140	120	120
50		140*	140*	120	120
56		90	90	107	107
62		90	90	-	-
68		90	90	-	-
42	120	140	140	111	111
50		90	90	111	111
56		90	90	104	104
62		90	90	-	-
68		90	90	-	-
42	127	140	140	111	111
50		90	90	111	111
56		90	90	-	-
62		90	90	-	-
68		-	-	-	-
42	133	140	140	111	111
50		90	90	-	-
56		90	90	-	-
62		90	90	-	-
68		-	-	-	-

FOR GL-1: WHERE INDICATED BY THE (*), CAPACITY IS
WITH NO SPACER GASKET.
SEE NOTE BELOW & TABLE TO THE BOTTOM RIGHT
FOR CAPACITY WITH SPACER GASKET

NOMINAL DIMENSIONS		GL-1		GL-2	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	139	90	90	111	111
50		90	90	-	-
56		90	90	-	-
62		-	-	-	-
68		-	-	-	-
42	147	90	90	111	111
46		90	90	111	111
50		90	90	-	-
58		-	-	-	-
62		-	-	-	-
38	151	90	90	-	-
42		90	90	-	-
50		90	90	-	-
56		-	-	-	-
62		-	-	-	-

(*) FOR GL-1 ONLY: DESIGN PRESSURES WITH THIS SIGN SHOWN ON TABLE
ABOVE FOR THE SPECIFIC SIZES INDICATED ARE ALLOWED WITH NO
SILICONE GLASS SPACER USED IN MULLION. SEE DETAIL BELOW. SEE
TABLE ON THE RIGHT FOR CAPACITY WITH SPACER GASKET

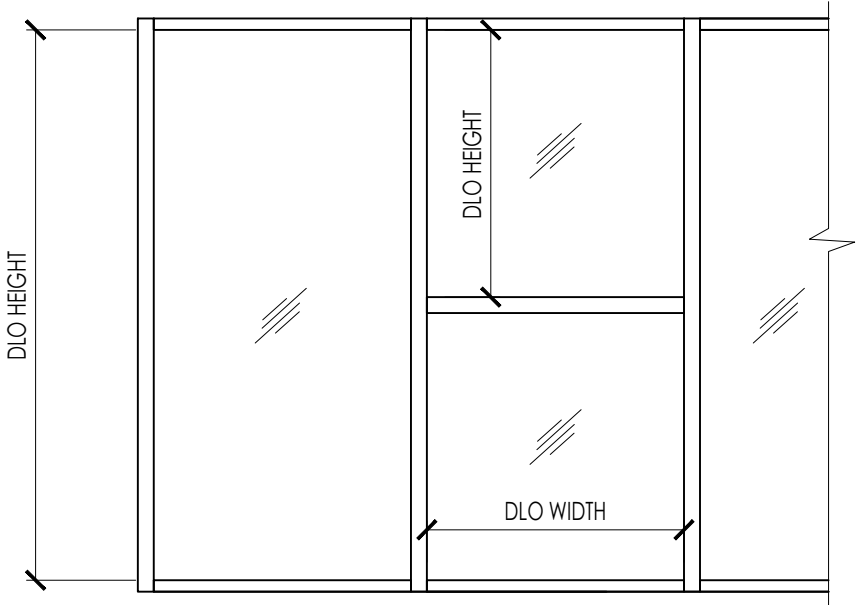
(*) GL-1 ONLY: SSG 135° CORNER IN MULLION
WITH NO SILICONE SPACER GASKET



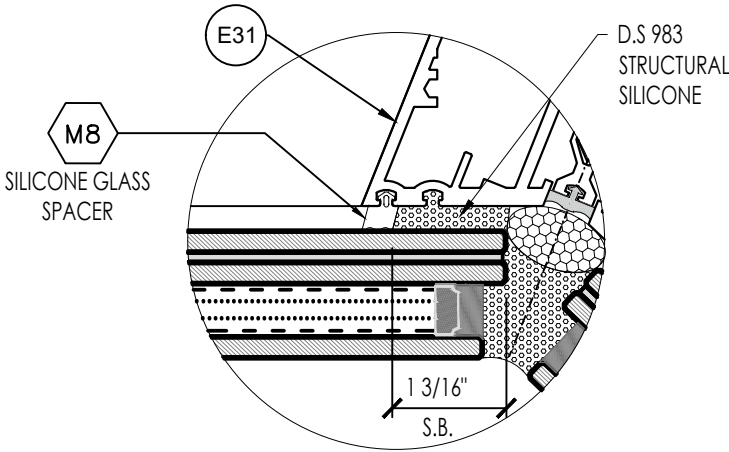
136° CORNER IN MULLION
STRUCTURALLY GLAZED (SSG)
GLASS CAPACITY TABLE

APPLY TO

SSG
GL-1, GL-2



GL-1 & GL-2. SSG 135° CORNER IN MULLION
WITH SILICONE SPACER GASKET



FOR GL-1 ONLY: CAPACITY TABLE OF GLASS WITH
SPACER GASKETS IN THE MULLION. SEE DETAIL ABOVE.

NOMINAL DIMENSIONS		GL-1	
DLO WIDTH (W)	DLO HEIGHT (H)	PSF (+)	PSF (-)
50	50 < H <= 114	129	129
	114 < H <= 151	90	129
56	56 < H <= 102	115	115
	102 < H <= 151	90	90
62	62 < H <= 90	104	104
	90 < H <= 133	90	90
68	68 < H <= 84	95	95
	84 < H <= 120	90	90

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ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISSILE IMPACT

FL #44674.2

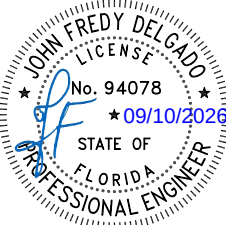
DRAWING REVISION LOG

No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:
**DEERFIELD
TECHNICAL INC.**
CA# 36112

111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

CHECKED FOR STRUCTURAL
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JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE N.T.S.	
PAGE 15 OF 57		

STRUCTURALLY GLAZED (SSG)
W/ 135° CORNER OUT MULLION
GLASS CAPACITY TABLE

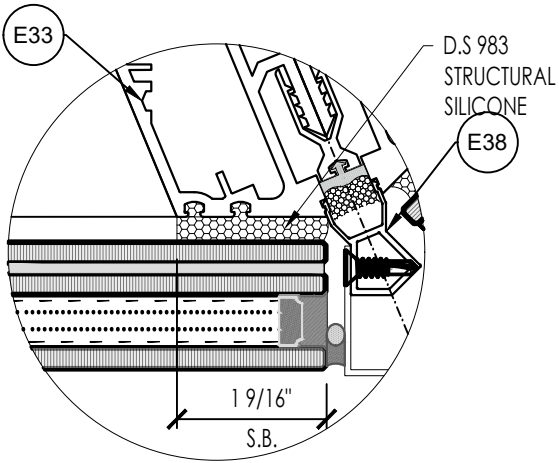
DESIGN LOAD CAPACITY - PSF (SSG GLASS)					
NOMINAL DIMENSIONS		GL-1		GL-2	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	84	140	140	120	120
50		140	140	120	120
56		140*	140*	120	120
62		133*	133*	120	120
68		121*	121*	-	-
42	90	140	140	120	120
50		140	140	120	120
56		140*	140*	120	120
62		134*	134*	-	-
68		90	90	-	-
42	96	140	140	120	120
50		140	140	120	120
56		140*	140*	120	120
62		90	90	-	-
68		90	90	-	-
42	102	140	140	120	120
50		140	140	120	120
56		140*	140*	120	120
62		90	90	-	-
68		90	90	-	-
42	108	140	140	120	120
50		140	140	120	120
56		90	90	114	114
62		90	90	-	-
68		90	90	-	-
42	114	140	140	120	120
50		140	140	120	120
56		90	90	107	107
62		90	90	-	-
68		90	90	-	-
42	120	140	140	111	111
50		90	90	111	111
56		90	90	104	104
62		90	90	-	-
68		90	90	-	-
42	127	140	140	111	111
50		90	90	111	111
56		90	90	-	-
62		90	90	-	-
68		-	-	-	-
42	133	140	140	111	111
50		90	90	-	-
56		90	90	-	-
62		90	90	-	-
68		-	-	-	-

FOR GL-1: WHERE INDICATED BY THE (*), CAPACITY IS
WITH NO SPACER GASKET.
SEE NOTE BELOW & TABLE TO THE BOTTOM RIGHT
FOR CAPACITY WITH SPACER GASKET

NOMINAL DIMENSIONS		GL-1		GL-2	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	139	90	90	111	111
50		90	90	-	-
56		90	90	-	-
62		-	-	-	-
68		-	-	-	-
42	147	90	90	111	111
46		90	90	111	111
50		90	90	-	-
58		-	-	-	-
62		-	-	-	-
38	151	90	90	-	-
42		90	90	-	-
50		90	90	-	-
56		-	-	-	-
62		-	-	-	-

(*) FOR GL-1 ONLY: DESIGN PRESSURES WITH THIS SIGN SHOWN ON TABLE
ABOVE FOR THE SPECIFIC SIZES INDICATED ARE ALLOWED WITH NO
SILICONE GLASS SPACER USED IN MULLION. SEE DETAIL BELOW. SEE
TABLE ON THE RIGHT FOR CAPACITY WITH SPACER GASKET

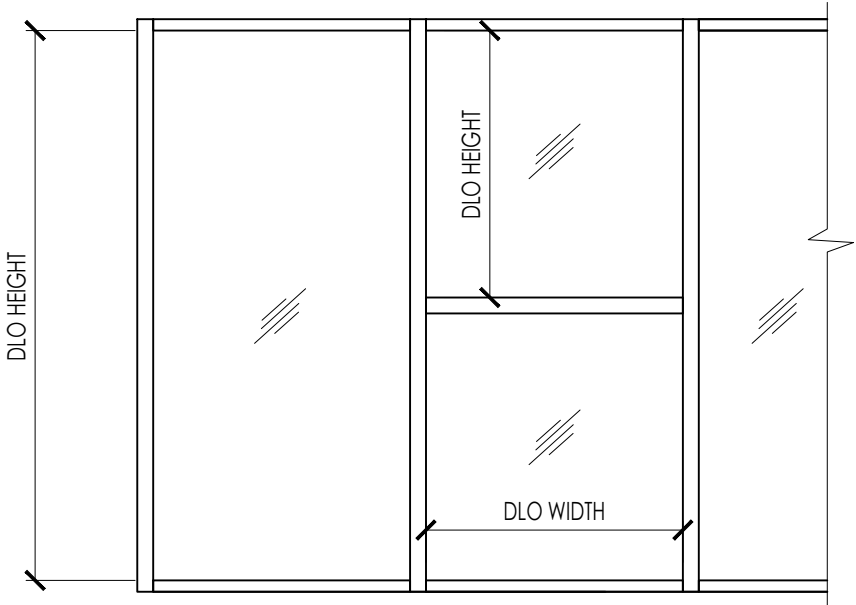
(*) GL-1 ONLY: SSG 135° CORNER OUT MULLION
WITH NO SILICONE SPACER GASKET



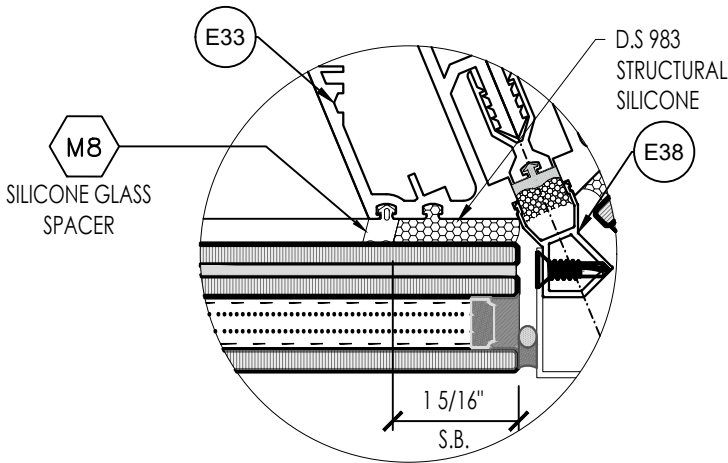
135° CORNER OUT MULLION
STRUCTURALLY GLAZED (SSG)
GLASS CAPACITY TABLE

APPLY TO

SSG
GL-1, GL-2



GL-1 & GL-2. SSG 135° CORNER OUT MULLION
WITH SILICONE SPACER GASKET



FOR GL-1 ONLY: CAPACITY TABLE OF GLASS WITH
SPACER GASKETS IN THE MULLION. SEE DETAIL ABOVE.

NOMINAL DIMENSIONS		GL-1	
DLO WIDTH (W)	DLO HEIGHT (H)	PSF (+)	PSF (-)
50	50 < H <= 114	140	140
	114 < H <= 151	90	129
56	56 < H <= 102	135	135
	102 < H <= 151	90	90
62	62 < H <= 90	121	121
	90 < H <= 133	90	90
68	68 < H <= 84	111	111
	84 < H <= 120	90	90

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PROJECT
ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISSILE IMPACT

FL #44674.2

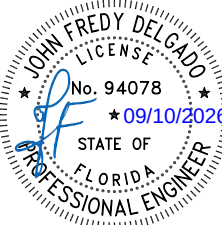
DRAWING REVISION LOG

No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:
DEERFIELD
TECHNICAL INC.
CA# 36112

111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

CHECKED FOR STRUCTURAL
COMPLIANCE ONLY. BY:



JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE N.T.S.	
PAGE 16 OF 57		

STRUCTURALLY GLAZED (SSG)
W/ REGULAR MULLION
GLASS CAPACITY TABLE

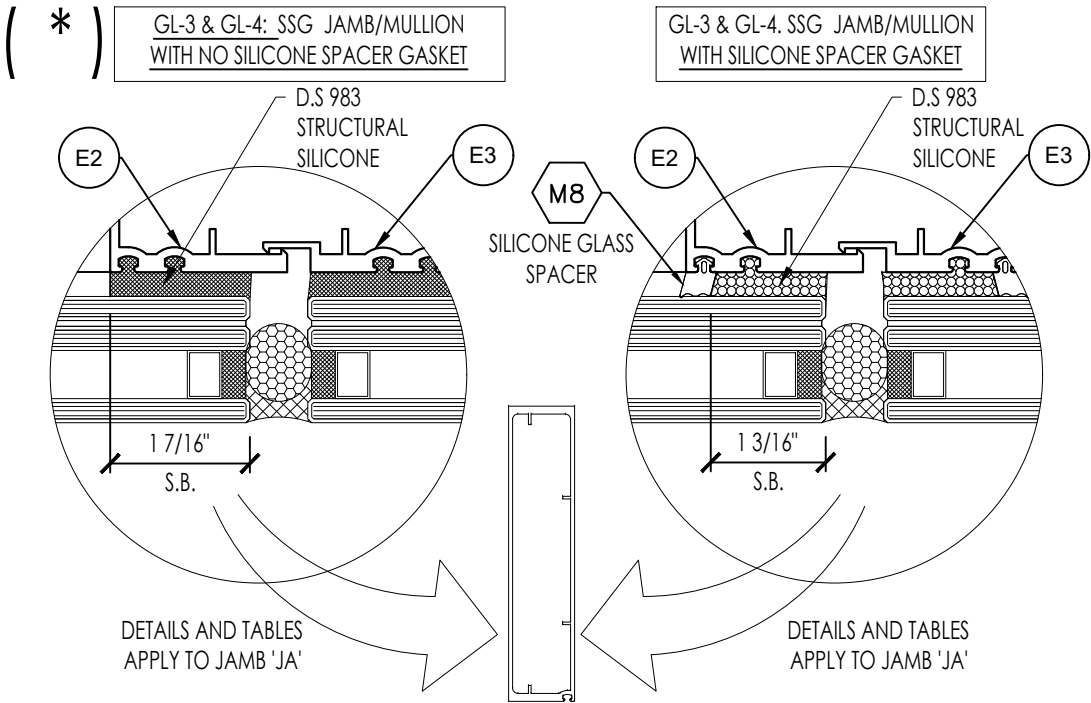
DESIGN LOAD CAPACITY - PSF (SSG GLASS)					
NOMINAL DIMENSIONS		GL-3		GL-4	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	84	174*	174*	189*	189*
50		165*	165*	165*	165*
56		147*	147*	121*	121*
62		133*	133*	121*	121*
68		121*	121*	121*	121*
73		113*	113*	113*	113*
42	90	174*	174*	189*	189*
50		165*	165*	165*	165*
56		147*	147*	121*	121*
62		133*	133*	121*	121*
68		121*	121*	121*	121*
73		113*	113*	113*	113*
42	96	174*	174*	189*	189*
50		165*	165*	165*	165*
56		147*	147*	147*	147*
62		133*	133*	133*	133*
68		121*	121*	121*	121*
73		113*	113*	113*	113*
42	102	174*	174*	189*	189*
50		165*	165*	165*	165*
56		147*	147*	121*	121*
62		133*	133*	121*	121*
68		121*	121*	121*	121*
73		113*	113*	113*	113*
42	108	174*	174*	189*	189*
50		165*	165*	165*	165*
56		147*	147*	121*	121*
62		133*	133*	121*	121*
68		121*	121*	121*	121*
73		113*	113*	113*	113*
42	114	174*	174*	189*	189*
50		165*	165*	165*	165*
56		147*	147*	121*	121*
62		133*	133*	121*	121*
68		121*	121*	121*	121*
73		113*	113*	-	-
42	120	174*	174*	189*	189*
46		174*	174*	180*	180*
50		165*	165*	165*	165*
56		147*	147*	121*	121*
62		133*	133*	121*	121*
68		121*	121*	-	-
73		113*	113*	-	-

WHERE INDICATED BY THE (*), CAPACITY IS WITH NO
SPACER GASKET.
SEE NOTE BELOW & TABLE ON NEXT SHEET FOR
CAPACITY WITH SPACER GASKET

NOMINAL DIMENSIONS		GL-3		GL-4	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	127	174*	174*	189*	189*
50		165*	165*	165*	165*
56		147*	147*	121*	121*
62		133*	133*	121*	121*
68		121*	121*	-	-
73		93	93	-	-
42	133	174*	174*	189*	189*
50		165*	165*	121*	121*
56		147*	147*	121*	121*
62		133*	133*	-	-
68		121*	121*	-	-
73		93	93	-	-
42	139	174*	174*	189*	189*
50		165*	165*	121*	121*
56		147*	147*	121*	121*
62		133*	133*	-	-
68		93	93	-	-
73		93	93	-	-
42	147	174*	174*	-	-
46		174*	174*	-	-
50		165*	165*	-	-
58		174*	174*	-	-
62		93	93	-	-
68		93	93	-	-
73		93	93	-	-
42	151	150	150	-	-
50		150*	150*	-	-
56		147*	147*	-	-
62		93	93	-	-
68		93	93	-	-
73		93	93	-	-
42	156	150	150	-	-
46		150*	150*	-	-
50		150*	150*	-	-
56		93	93	-	-
62		93	93	-	-
68		93	93	-	-
42	162	150	150	-	-
46		150*	150*	-	-
50		150*	150*	-	-
56		93	93	-	-
62		93	93	-	-
68		93	93	-	-

NOMINAL DIMENSIONS		GL-3	
DLO WIDTH	DLO HEIGHT	+	-
42	168	150	150
46		150*	150*
50		150*	150*
56		93	93
62		93	93
73		93	93
42	174	150	150
46		150*	150*
50		150*	150*
56		93	93
62		93	93
73		93	93
42	180	150	150
46		150*	150*
50		150*	150*
56		93	93
62		93	93
73		93	93

(*) DESIGN PRESSURES WITH THIS SIGN SHOWN ON TABLE ABOVE FOR THE
SPECIFIC SIZES INDICATED ARE ALLOWED WITH NO SILICONE GLASS
SPACER USED IN MULLION. SEE DETAIL BELOW. SEE TABLE ON NEXT SHEET
FOR CAPACITY WITH SPACER GASKET



REGULAR MULLION
STRUCTURALLY GLAZED (SSG)
GLASS CAPACITY TABLE

APPLY TO
SSG
GL-3, GL-4

E.S.
WINDOWS, LLC

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MIAMI, FL 33142
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PROJECT
ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG		
No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:
DEERFIELD
TECHNICAL INC.
CA# 36112
111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

CHECKED FOR STRUCTURAL
COMPLIANCE ONLY. BY:
JOHN FREDY DELGADO
LICENSE
No. 94078
★ 09/10/2026
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE N.T.S.	
PAGE 17 OF 57		

STRUCTURALLY GLAZED (SSG)
W/ REGULAR MULLION
GLASS CAPACITY TABLE

APPLY TO

SSG
GL-3, GL-4

E.S.
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PROJECT
ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG

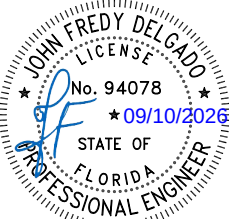
No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:

DEERFIELD
TECHNICAL INC.
CA# 36112

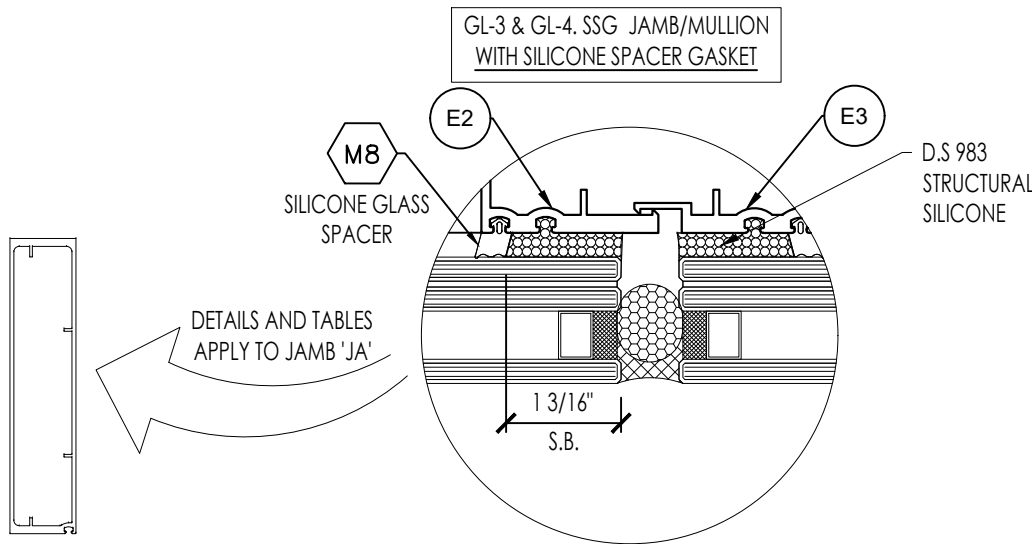
111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

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JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE N.T.S.	
PAGE 18 OF 57		



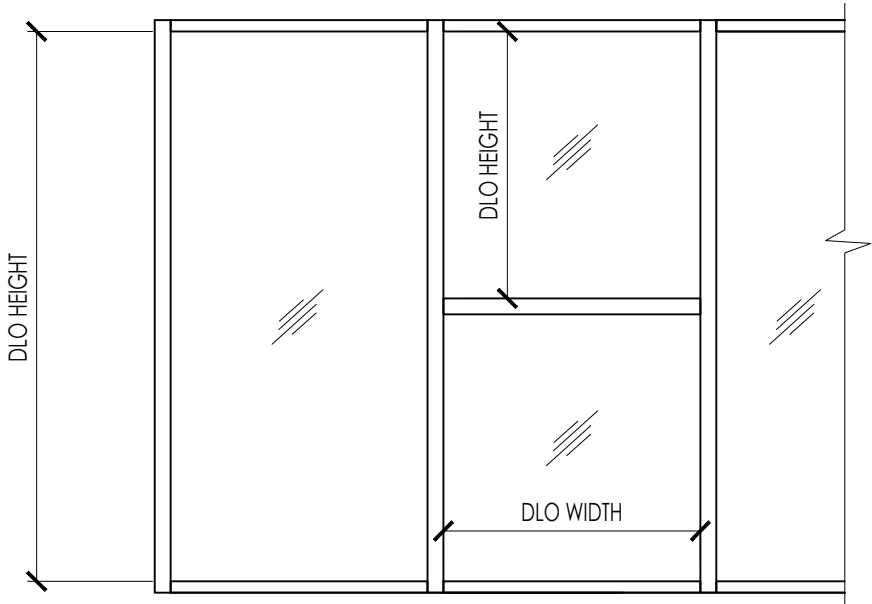
FOR GL-3 ONLY: CAPACITY TABLE OF GLASS WITH
SPACER GASKETS IN THE MULLION. SEE DETAIL ABOVE.

NOMINAL DIMENSIONS		GL-3	
DLO WIDTH (W)	DLO HEIGHT (H)	PSF (+)	PSF (-)
36	36 < H <= 147	174	174
	147 < H <= 180	150	150
42	42 < H <= 147	174	174
	147 < H <= 180	150	150
50	50 < H <= 147	136	136
56	56 < H <= 147	122	122
	147 < H <= 180	93	93
62	62 < H <= 139	110	110
	139 < H <= 168	93	93
68	68 < H <= 133	100	100
	133 < H <= 162	93	93
73	73 < H <= 147	93	93

FOR GL-4 ONLY: CAPACITY TABLE OF GLASS WITH
SPACER GASKETS IN THE MULLION. SEE DETAIL ABOVE.

NOMINAL DIMENSIONS		GL-4	
DLO WIDTH (W)	DLO HEIGHT (H)	PSF (+)	PSF (-)
36	36 < H <= 139	189	189
42	42 < H <= 139	162	162
50	50 < H <= 127	136	136
	127 < H <= 139	121	121
56	56 < H <= 139	121	121
62	62 < H <= 127	110	110
68	68 < H <= 114	100	100
73	73 < H <= 108	93	93

REGULAR MULLION
STRUCTURALLY GLAZED (SSG)
GLASS CAPACITY TABLE



STRUCTURALLY GLAZED (SSG)
W/ FLANGE MULLION
GLASS CAPACITY TABLE

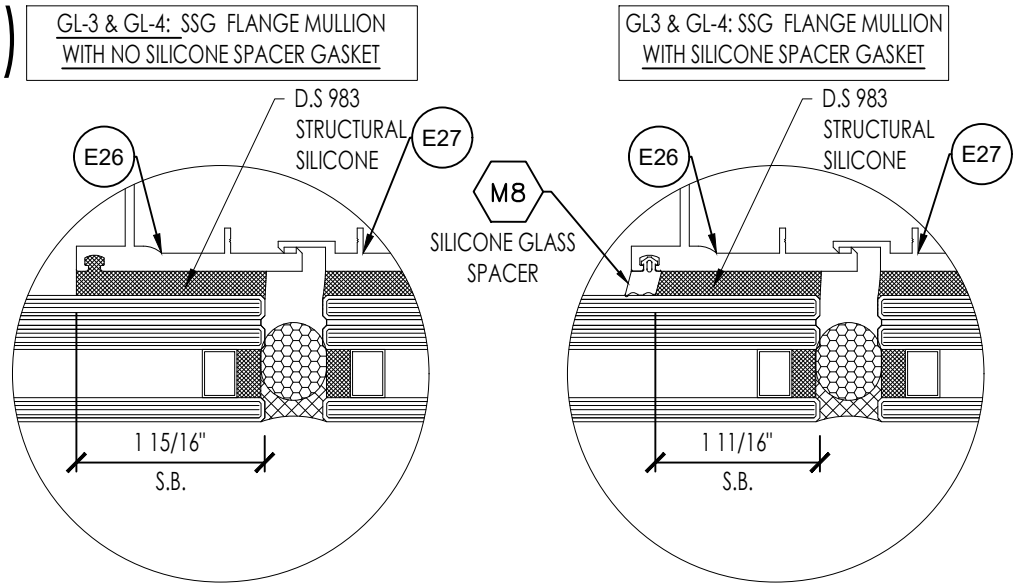
DESIGN LOAD CAPACITY - PSF (SSG GLASS)					
NOMINAL DIMENSIONS		GL-3		GL-4	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	84	174	174	189	189
50		174	174	174*	174*
56		174*	174*	121	121
62		174*	174*	121	121
68		164*	164*	121	121
73		152*	152*	121	121
42	90	174	174	189	189
50		174	174	174*	174*
56		174*	174*	121	121
62		174*	174*	121	121
68		164*	164*	121	121
73		152*	152*	121	121
42	96	174	174	189	189
50		174	174	174*	174*
56		174*	174*	121	121
62		174*	174*	121	121
68		164*	164*	121	121
73		152*	152*	121	121
42	102	174	174	189	189
50		174	174	174*	174*
56		174*	174*	121	121
62		174*	174*	121	121
68		164*	164*	121	121
73		152*	152*	121	121
42	108	174	174	189	189
50		174	174	174*	174*
56		174*	174*	121	121
62		174*	174*	121	121
68		164*	164*	121	121
73		152*	152*	121	121
42	114	174	174	189	189
50		174	174	174*	174*
56		174*	174*	121	121
62		174*	174*	121	121
68		164*	164*	121	121
73		150*	150*	121	121
42	120	174	174	189	189
46		174	174	189	189
50		174	174	174*	174*
56		174*	174*	121	121
62		174*	174*	121	121
68		164*	164*	-	-
73		150*	150*	-	-

WHERE INDICATED BY THE (*), CAPACITY IS WITH NO
SPACER GASKET.
SEE NOTE BELOW & TABLE ON NEXT SHEET FOR
CAPACITY WITH SPACER GASKET

NOMINAL DIMENSIONS		GL-3		GL-4	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	127	174	174	189	189
50		174	174	174*	174*
56		174*	174*	121	121
62		174*	174*	121	121
68		161*	161*	-	-
73		93	93	-	-
42	133	174	174	189	189
50		174	174	121	121
56		174*	174*	121	121
62		174*	174*	-	-
68		150*	150*	-	-
73		93	93	-	-
42	139	174	174	189	189
50		174	174	121	121
56		174*	174*	121	121
62		174*	174*	-	-
68		93	93	-	-
73		93	93	-	-
42	147	174	174	-	-
46		174	174	-	-
50		174*	174*	-	-
58		174*	174*	-	-
62		93	93	-	-
68		93	93	-	-
73		93	93	-	-
42	151	150	150	-	-
50		150	150	-	-
56		150	150	-	-
62		93	93	-	-
68		93	93	-	-
73		93	93	-	-
42	156	150	150	-	-
46		150	150	-	-
50		150	150	-	-
56		93	93	-	-
62		93	93	-	-
68		93	93	-	-
42	162	150	150	-	-
46		150	150	-	-
50		150	150	-	-
56		93	93	-	-
62		93	93	-	-
68		93	93	-	-

NOMINAL DIMENSIONS		GL-3	
DLO WIDTH	DLO HEIGHT	+	-
42	168	150	150
46		150	150
50		150	150
56		93	93
62		93	93
42	174	150	150
46		150	150
50		150	150
56		93	93
42	180	150	150
46		150	150
50		150	150
56		93	93

(*) DESIGN PRESSURES WITH THIS SIGN SHOWN ON TABLE ABOVE FOR THE
SPECIFIC SIZES INDICATED ARE ALLOWED WITH NO SILICONE GLASS
SPACER USED IN MULLION. SEE DETAIL BELOW. SEE TABLE ON NEXT SHEET
FOR CAPACITY WITH SPACER GASKET



FLANGE MULLION
STRUCTURALLY GLAZED (SSG)
GLASS CAPACITY TABLE

APPLY TO

SSG
GL-3, GL-4

E.S.
WINDOWS, LLC

3550 N.W. 49 STREET
MIAMI, FL 33142
TEL. (305) 638-5151
FAX. (305) 638-5158

PROJECT
ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG

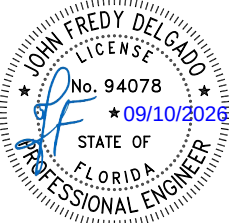
No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:

DEERFIELD
TECHNICAL INC.
CA# 36112

111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

CHECKED FOR STRUCTURAL
COMPLIANCE ONLY. BY:



JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE N.T.S.	
PAGE 19 OF 57		

STRUCTURALLY GLAZED (SSG)
W/ FLANGE MULLION
GLASS CAPACITY TABLE

APPLY TO

SSG
GL-3, GL-4

E.S.
WINDOWS, LLC

3550 N.W. 49 STREET
MIAMI, FL 33142
TEL. (305) 638-5151
FAX. (305) 638-5158

PROJECT
ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG

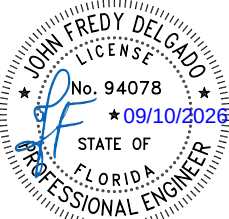
No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:

DEERFIELD
TECHNICAL INC.
CA# 36112

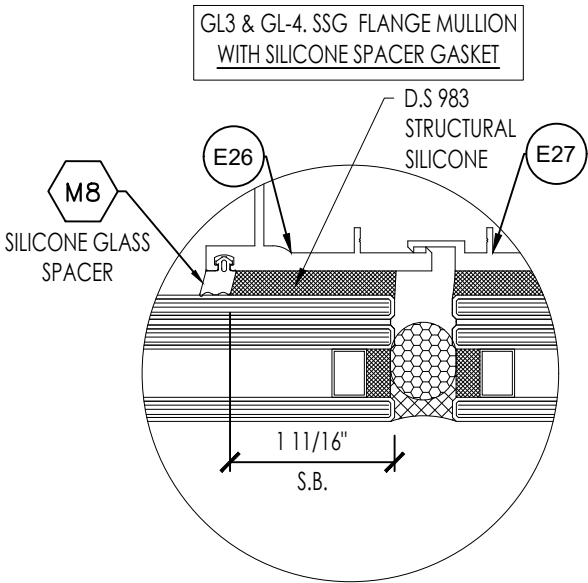
111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

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JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE N.T.S.	
PAGE 20 OF 57		



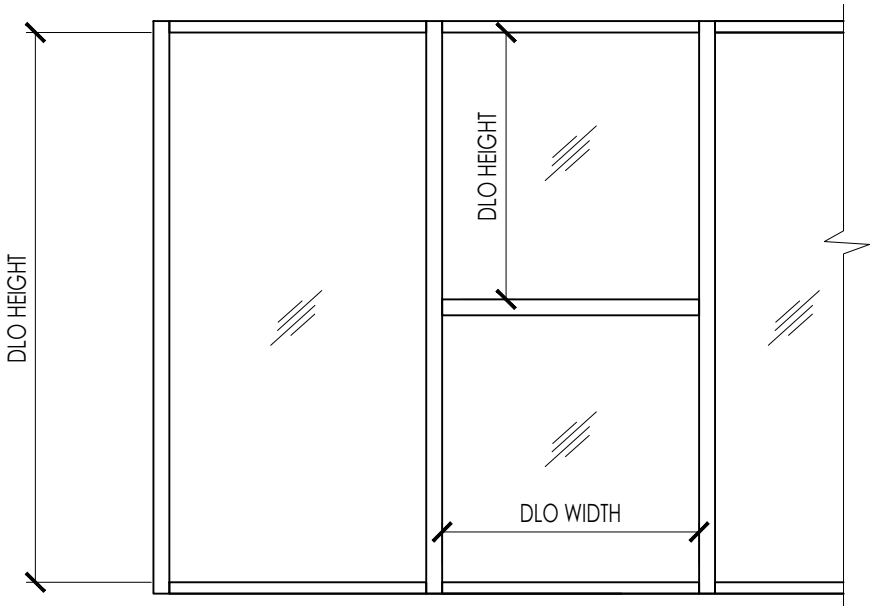
FOR GL-3 ONLY: CAPACITY TABLE OF GLASS WITH
SPACER GASKETS IN THE MULLION. SEE DETAIL ABOVE.

NOMINAL DIMENSIONS		GL-3	
DLO WIDTH (W)	DLO HEIGHT (H)	PSF (+)	PSF (-)
36	36 < H <= 147	174	174
	147 < H <= 180	150	150
42	42 < H <= 147	174	174
	147 < H <= 180	150	150
50	50 < H <= 147	174	174
	147 < H <= 180	150	150
56	56 < H <= 151	173	173
	151 < H <= 180	93	93
62	62 < H <= 139	156	156
	139 < H <= 168	93	93
68	68 < H <= 133	143	143
	133 < H <= 162	93	93
73	73 < H <= 120	133	133
	120 < H <= 147	93	93

FOR GL-4 ONLY: CAPACITY TABLE OF GLASS WITH
SPACER GASKETS IN THE MULLION. SEE DETAIL ABOVE.

NOMINAL DIMENSIONS		GL-4	
DLO WIDTH (W)	DLO HEIGHT (H)	PSF (+)	PSF (-)
36	36 < H <= 139	189	189
42	42 < H <= 139	189	189
50	50 < H <= 127	189	189
	127 < H <= 139	121	121
56	56 < H <= 114	189	189
	56 < H <= 139	121	121
62	62 < H <= 102	156	156
	102 < H <= 127	121	121
68	68 < H <= 96	143	143
	96 < H <= 114	121	121
73	73 < H <= 84	133	133
	84 < H <= 108	121	121

FLANGE MULLION
STRUCTURALLY GLAZED (SSG)
GLASS CAPACITY TABLE

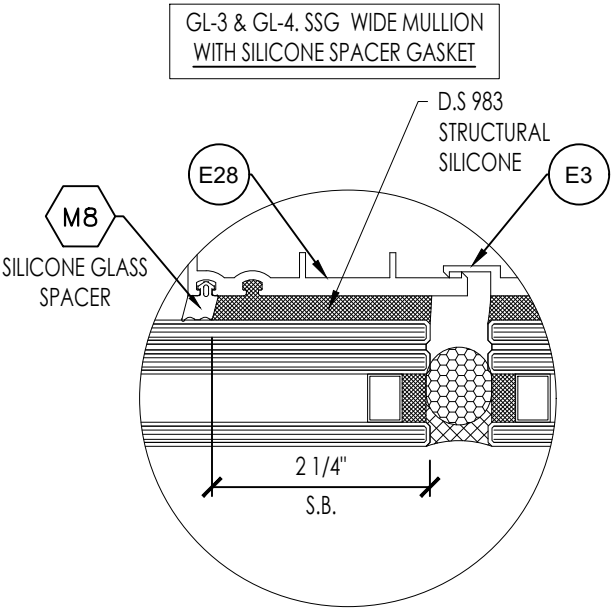


STRUCTURALLY GLAZED (SSG)
W/ WIDE MULLION
GLASS CAPACITY TABLE

DESIGN LOAD CAPACITY - PSF (SSG GLASS)					
NOMINAL DIMENSIONS		GL-3		GL-4	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	84	174	174	189	189
50		174	174	174	174
56		174	174	121	121
62		174	174	121	121
68		174	174	121	121
73		174	174	121	121
42	90	174	174	189	189
50		174	174	174	174
56		174	174	121	121
62		174	174	121	121
68		174	174	121	121
73		174	174	121	121
42	96	174	174	189	189
50		174	174	174	174
56		174	174	121	121
62		174	174	121	121
68		174	174	121	121
73		174	174	121	121
42	102	174	174	189	189
50		174	174	174	174
56		174	174	121	121
62		174	174	121	121
68		174	174	121	121
73		174	174	121	121
42	108	174	174	189	189
50		174	174	174	174
56		174	174	121	121
62		174	174	121	121
68		174	174	121	121
73		174	174	121	121
42	114	174	174	189	189
50		174	174	174	174
56		174	174	121	121
62		174	174	121	121
68		174	174	121	121
73		150	150	121	121
42	120	174	174	189	189
46		174	174	189	189
50		174	174	174	174
56		174	174	121	121
62		174	174	121	121
68		172	172	-	-
73		150	150	-	-

NOMINAL DIMENSIONS		GL-3		GL-4	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	127	174	174	189	189
50		174	174	174	174
56		174	174	121	121
62		171	171	121	121
68		161	161	-	-
73		93	93	-	-
42	133	174	174	189	189
50		174	174	121	121
56		174	174	121	121
62		164	164	-	-
68		150	150	-	-
73		93	93	-	-
42	139	174	174	189	189
50		174	174	121	121
56		174	174	121	121
62		158	158	-	-
68		93	93	-	-
73		93	93	-	-
42	147	174	174	-	-
46		174	174	-	-
50		174	174	-	-
58		174	174	-	-
62		93	93	-	-
68		93	93	-	-
73		93	93	-	-
42	151	150	150	-	-
50		150	150	-	-
56		150	150	-	-
62		93	93	-	-
68		93	93	-	-
73		93	93	-	-
42	156	150	150	-	-
46		150	150	-	-
50		150	150	-	-
56		93	93	-	-
62		93	93	-	-
68		93	93	-	-
42	162	150	150	-	-
46		150	150	-	-
50		150	150	-	-
56		93	93	-	-
62		93	93	-	-
68		93	93	-	-

NOMINAL DIMENSIONS		GL-3	
DLO WIDTH	DLO HEIGHT	+	-
42	168	150	150
46		150	150
50		150	150
56		93	93
62		93	93
42	174	150	150
46		150	150
50		150	150
56		93	93
42	180	150	150
46		150	150
50		150	150
56		93	93



WIDE MULLION
STRUCTURALLY GLAZED (SSG)
GLASS CAPACITY TABLE

APPLY TO

SSG
GL-3, GL-4

E.S.
WINDOWS, LLC

3550 N.W. 49 STREET
MIAMI, FL 33142
TEL. (305) 638-5151
FAX. (305) 638-5158

PROJECT
ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

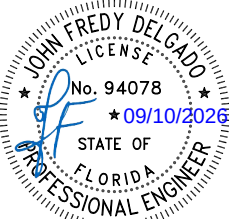
FL #44674.2

DRAWING REVISION LOG		
No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:
**DEERFIELD
TECHNICAL INC.**
CA# 36112

111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

CHECKED FOR STRUCTURAL
COMPLIANCE ONLY. BY:



JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE N.T.S.	
PAGE 21 OF 57		

STRUCTURALLY GLAZED (SSG)
W/ 120° OUT CORNER MULLION
GLASS CAPACITY TABLE

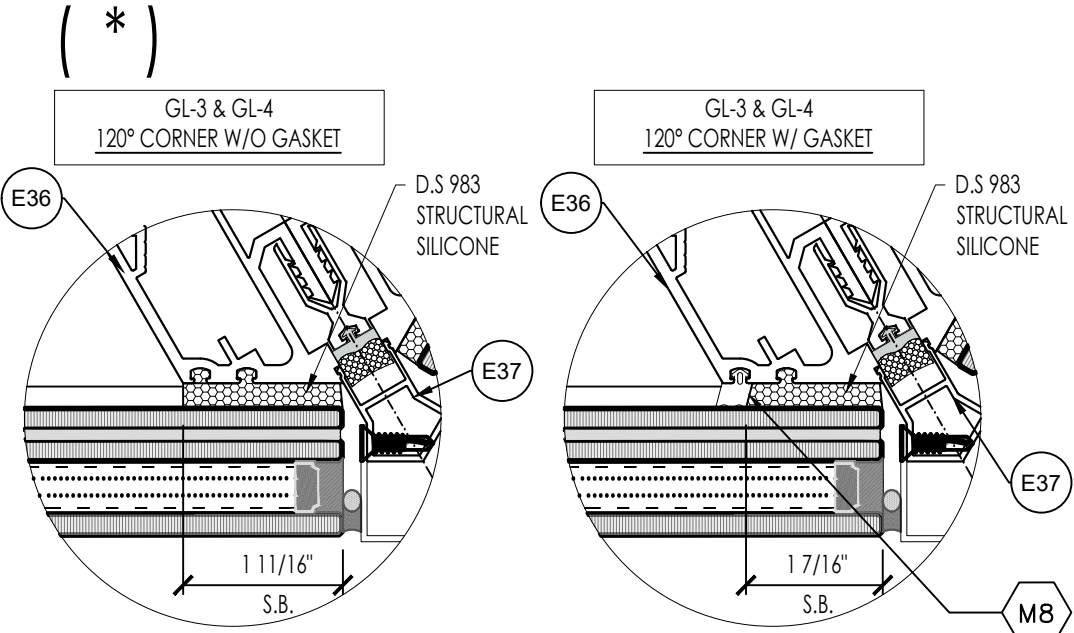
DESIGN LOAD CAPACITY - PSF (SSG GLASS)					
NOMINAL DIMENSIONS		GL-3		GL-4	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	84	174*	174*	189	189
50		174*	174*	189*	189*
56		174*	174*	174*	174*
62		156*	156*	156*	156*
68		143*	143*	143*	143*
73	90	133*	133*	133*	133*
42		174*	174*	189	189
50		174*	174*	189*	189*
56		174*	174*	174*	174*
62		156*	156*	156*	156*
68	96	143*	143*	143*	143*
73		133*	133*	121	121
42		174*	174*	189	189
50		174*	174*	189*	189*
56		174*	174*	174*	174*
62	102	156*	156*	156*	156*
68		143*	143*	121	121
73		133*	133*	121	121
42		174*	174*	189	189
50		174*	174*	189*	189*
56	108	174*	174*	174*	174*
62		156*	156*	121	121
68		143*	143*	121	121
73		133*	133*	121	121
42		174*	174*	189	189
50	114	174*	174*	189*	189*
56		174*	174*	174*	174*
62		156*	156*	121	121
68		143*	143*	121	121
73		133*	133*	-	-
42	120	174	174	189	189
46		174	174	189*	189*
50		174*	174*	189*	189*
56		174*	174*	121	121
62		156*	156*	121	121
68		143*	143*	-	-
73		133*	133*	-	-

WHERE INDICATED BY THE (*), CAPACITY IS WITH NO
SPACER GASKET.
SEE NOTE BELOW & TABLE ON NEXT SHEET FOR
CAPACITY WITH SPACER GASKET

NOMINAL DIMENSIONS		GL-3		GL-4	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	127	174	174	189	189
50		174*	174*	174*	174*
56		174*	174*	121	121
62		174*	174*	121	121
68		143*	143*	-	-
73	133	93	93	-	-
42		174	174	189	189
50		174*	174*	121	121
56		174*	174*	121	121
62		174*	174*	-	-
68	139	143*	143*	-	-
73		93	93	-	-
42		174	174	189	189
50		174*	174*	121	121
56		174*	174*	121	121
62	147	174*	174*	-	-
68		93	93	-	-
73		93	93	-	-
42		174	174	-	-
46	151	174	174	-	-
50		174*	174*	-	-
56		174*	174*	-	-
62		93	93	-	-
68		93	93	-	-
73	156	93	93	-	-
42		150	150	-	-
46		150	150	-	-
50		150	150	-	-
56		93	93	-	-
62	162	93	93	-	-
68		93	93	-	-
73		93	93	-	-
42		150	150	-	-
46		150	150	-	-

NOMINAL DIMENSIONS		GL-3	
DLO WIDTH	DLO HEIGHT	+	-
42	168	150	150
46		150	150
50		150	150
56		93	93
62		93	93
42	174	150	150
46		150	150
50		150	150
56		93	93
62		93	93
42	180	150	150
46		150	150
50		150	150
56		93	93
62		93	93

(*) DESIGN PRESSURES WITH THIS SIGN SHOWN ON TABLE ABOVE FOR THE
SPECIFIC SIZES INDICATED ARE ALLOWED WITH NO SILICONE GLASS
SPACER USED IN MULLION. SEE DETAIL BELOW. SEE TABLE ON NEXT SHEET
FOR CAPACITY WITH SPACER GASKET



120° OUT CORNER MULLION
STRUCTURALLY GLAZED (SSG)
GLASS CAPACITY TABLE

APPLY TO

SSG
GL-3, GL-4

E.S.
WINDOWS, LLC

3550 N.W. 49 STREET
MIAMI, FL 33142
TEL. (305) 638-5151
FAX. (305) 638-5158

PROJECT
ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG		
No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:
**DEERFIELD
TECHNICAL INC.**
CA# 36112
111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

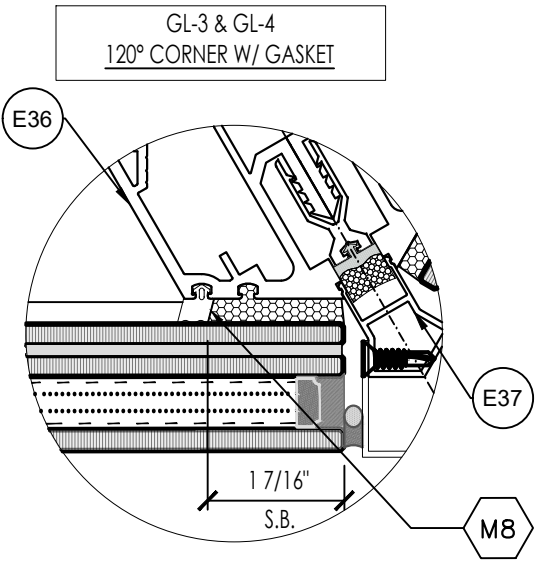
CHECKED FOR STRUCTURAL
COMPLIANCE ONLY. BY:

JOHN FREDY DELGADO
LICENSE
No. 94078
★ 09/10/2026
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE N.T.S.	
PAGE 22 OF 57		

STRUCTURALLY GLAZED (SSG)
W/ 120° OUT CORNER MULLION
GLASS CAPACITY TABLE



APPLY TO

SSG
GL-3, GL-4

E.S.
WINDOWS, LLC

3550 N.W. 49 STREET
MIAMI, FL 33142
TEL. (305) 638-5151
FAX. (305) 638-5158

ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG

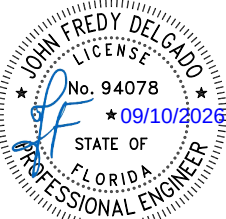
No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:

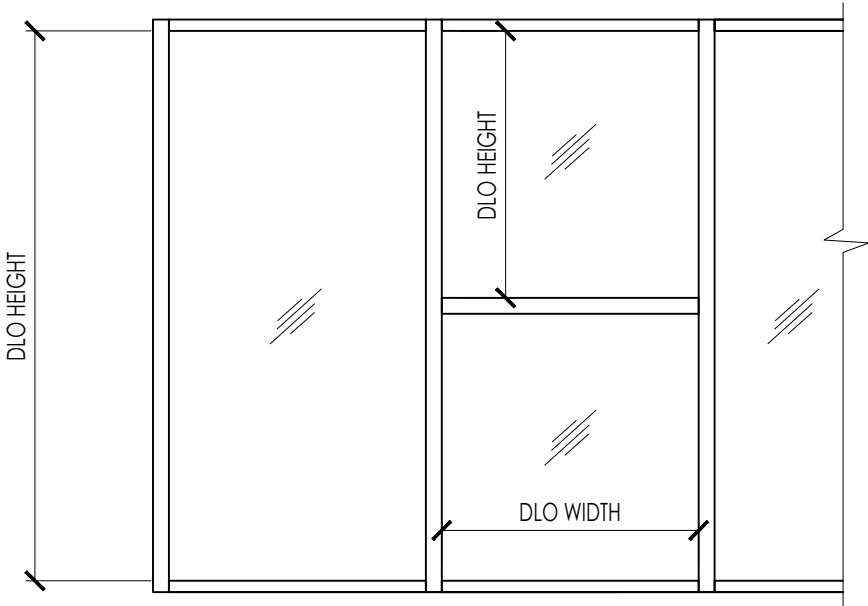
DEERFIELD
TECHNICAL INC.
CA# 36112

111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

CHECKED FOR STRUCTURAL
COMPLIANCE ONLY. BY:



JOHN DELGADO, P.E.
FL. REG. # 94078



FOR GL-3 ONLY: CAPACITY TABLE OF GLASS WITH
SPACER GASKETS IN THE MULLION. SEE DETAIL ABOVE.

NOMINAL DIMENSIONS		GL-3	
DLO WIDTH (W)	DLO HEIGHT (H)	PSF (+)	PSF (-)
36	36 < H <= 147	174	174
	147 < H <= 180	150	150
42	42 < H <= 147	174	174
	147 < H <= 180	150	150
50	50 < H <= 147	165	165
	147 < H <= 180	150	150
56	56 < H <= 151	147	147
	151 < H <= 180	93	93
62	62 < H <= 139	133	133
	139 < H <= 168	93	93
68	68 < H <= 133	121	121
	133 < H <= 162	93	93
73	73 < H <= 120	113	113
	120 < H <= 147	93	93

FOR GL-4 ONLY: CAPACITY TABLE OF GLASS WITH
SPACER GASKETS IN THE MULLION. SEE DETAIL ABOVE.

NOMINAL DIMENSIONS		GL-4	
DLO WIDTH (W)	DLO HEIGHT (H)	PSF (+)	PSF (-)
36	36 < H <= 139	189	189
42	42 < H <= 139	189	189
50	50 < H <= 127	165	165
	127 < H <= 139	121	121
56	56 < H <= 114	147	147
	56 < H <= 139	121	121
62	62 < H <= 102	133	133
	102 < H <= 127	121	121
68	68 < H <= 96	121	121
	96 < H <= 114	121	121
73	73 < H <= 84	113	113
	84 < H <= 108	113	113

120° OUT CORNER MULLION
STRUCTURALLY GLAZED (SSG)
GLASS CAPACITY TABLE

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE N.T.S.	
PAGE 23 OF 57		

STRUCTURALLY GLAZED (SSG)
W/ 90° OUT CORNER MULLION
GLASS CAPACITY TABLE

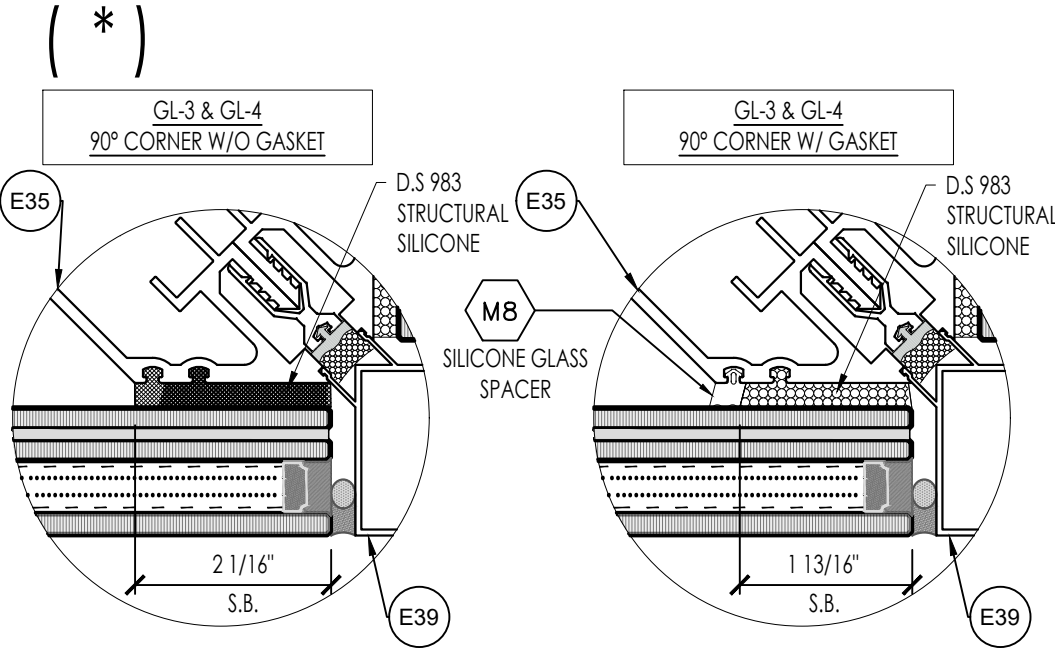
DESIGN LOAD CAPACITY - PSF (SSG GLASS)					
NOMINAL DIMENSIONS		GL-3		GL-4	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	84	174	174	189	189
50		174	174	174*	174*
56		174*	174*	121	121
62		174*	174*	121	121
68		174*	174*	121	121
73		162*	162*	121	121
42	90	174	174	189	189
50		174	174	174*	174*
56		174*	174*	121	121
62		174*	174*	121	121
68		174*	174*	121	121
73		162*	162*	121	121
42	96	174	174	189	189
50		174	174	174*	174*
56		174*	174*	121	121
62		174*	174*	121	121
68		174*	174*	121	121
73		162*	162*	121	121
42	102	174	174	189	189
50		174	174	174*	174*
56		174*	174*	121	121
62		174*	174*	121	121
68		174*	174*	121	121
73		162*	162*	121	121
42	108	174	174	189	189
50		174	174	174*	174*
56		174*	174*	121	121
62		174*	174*	121	121
68		174*	174*	121	121
73		162*	162*	121	121
42	114	174	174	189	189
50		174	174	174*	174*
56		174*	174*	121	121
62		174*	174*	121	121
68		174*	174*	121	121
73		150*	150*	121	121
42	120	174	174	189	189
46		174	174	189	189
50		174	174	174*	174*
56		174*	174*	121	121
62		174*	174*	121	121
68		172*	172*	-	-
73		150*	150*	-	-

WHERE INDICATED BY THE (*), CAPACITY IS WITH NO
SPACER GASKET.
SEE NOTE BELOW & TABLE ON NEXT SHEET FOR
CAPACITY WITH SPACER GASKET

NOMINAL DIMENSIONS		GL-3		GL-4	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	127	174	174	189	189
50		174	174		
56		174*	174*	121	121
62		171*	171*	121	121
68		161*	161*	-	-
73		93	93	-	-
42	133	174	174	189	189
50		174	174	121	121
56		174*	174*	121	121
62		174*	174*	-	-
68		150	150	-	-
73		93	93	-	-
42	139	174	174	189	189
50		174	174	121	121
56		174*	174*	121	121
62		174*	174*	-	-
68		93	93	-	-
73		93	93	-	-
42	147	174	174	-	-
46		174	174	-	-
50		174	174	-	-
58		174*	174*	-	-
62		93	93	-	-
68		93	93	-	-
73		93	93	-	-
42	151	150	150	-	-
50		150	150	-	-
56		150	150	-	-
62		93	93	-	-
68		93	93	-	-
73		93	93	-	-
42	156	150	150	-	-
46		150	150	-	-
50		150	150	-	-
56		93	93	-	-
62		93	93	-	-
68		93	93	-	-
42	162	150	150	-	-
46		150	150	-	-
50		150	150	-	-
56		93	93	-	-
62		93	93	-	-
68		93	93	-	-

NOMINAL DIMENSIONS		GL-3	
DLO WIDTH	DLO HEIGHT	+	-
42	168	150	150
46		150	150
50		150	150
56		93	93
62		93	93
73			
42	174	150	150
46		150	150
50		150	150
56		93	93
62			
73			
42	180	150	150
46		150	150
50		150	150
56		93	93
62			
73			

(*) DESIGN PRESSURES WITH THIS SIGN SHOWN ON TABLE ABOVE FOR THE
SPECIFIC SIZES INDICATED ARE ALLOWED WITH NO SILICONE GLASS
SPACER USED IN MULLION. SEE DETAIL BELOW. SEE TABLE ON NEXT SHEET
FOR CAPACITY WITH SPACER GASKET



90° OUT CORNER MULLION
STRUCTURALLY GLAZED (SSG)
GLASS CAPACITY TABLE

APPLY TO

SSG
GL-3, GL-4

E.S.
WINDOWS, LLC

3550 N.W. 49 STREET
MIAMI, FL 33142
TEL. (305) 638-5151
FAX. (305) 638-5158

PROJECT
ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG		
No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:
**DEERFIELD
TECHNICAL INC.**
CA# 36112
111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

CHECKED FOR STRUCTURAL
COMPLIANCE ONLY. BY:

JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE N.T.S.	
PAGE 24 OF 57		

STRUCTURALLY GLAZED (SSG)
W/ 90° OUT CORNER MULLION
GLASS CAPACITY TABLE

APPLY TO

SSG
GL-3, GL-4

E.S.
WINDOWS, LLC

3550 N.W. 49 STREET
MIAMI, FL 33142
TEL. (305) 638-5151
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ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG

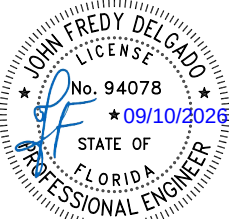
No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:

DEERFIELD
TECHNICAL INC.
CA# 36112

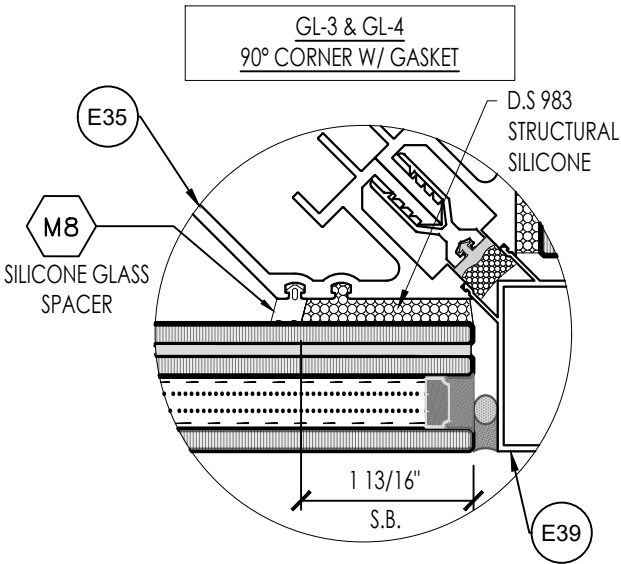
111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

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COMPLIANCE ONLY. BY:



JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE N.T.S.	
PAGE 25 OF 57		



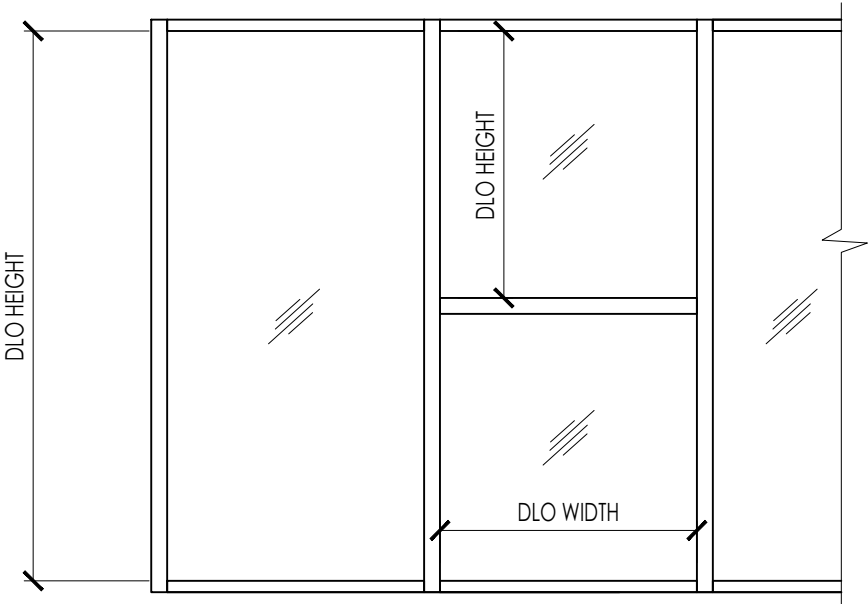
FOR GL-3 ONLY: CAPACITY TABLE OF GLASS WITH
SPACER GASKETS IN THE MULLION. SEE DETAIL ABOVE.

NOMINAL DIMENSIONS		GL-3	
DLO WIDTH (W)	DLO HEIGHT (H)	PSF (+)	PSF (-)
36	36 < H <= 147	174	174
	147 < H <= 180	150	150
42	42 < H <= 147	174	174
	147 < H <= 180	150	150
50	50 < H <= 147	174	174
	147 < H <= 180	150	150
56	56 < H <= 151	174	174
	151 < H <= 180	93	93
62	62 < H <= 127	168	168
	127 < H <= 133	164	164
	133 < H <= 139	158	158
	139 < H <= 180	93	93
68	68 < H <= 127	153	153
	127 < H <= 133	150	150
	133 < H <= 162	93	93
73	73 < H <= 120	143	143
	120 < H <= 147	93	93

FOR GL-4 ONLY: CAPACITY TABLE OF GLASS WITH
SPACER GASKETS IN THE MULLION. SEE DETAIL ABOVE.

NOMINAL DIMENSIONS		GL-4	
DLO WIDTH (W)	DLO HEIGHT (H)	PSF (+)	PSF (-)
36	36 < H <= 139	189	189
42	42 < H <= 139	189	189
50	50 < H <= 127	189	189
	127 < H <= 139	121	121
56	56 < H <= 114	186	186
	56 < H <= 139	121	121
62	62 < H <= 102	168	168
	102 < H <= 127	121	121
68	68 < H <= 90	153	153
	96 < H <= 114	121	121
73	73 < H <= 84	143	143
	84 < H <= 108	121	121

90° OUT CORNER MULLION
STRUCTURALLY GLAZED (SSG)
GLASS CAPACITY TABLE



STRUCTURALLY GLAZED (SSG)
W/ 135° IN CORNER MULLION
GLASS CAPACITY TABLE

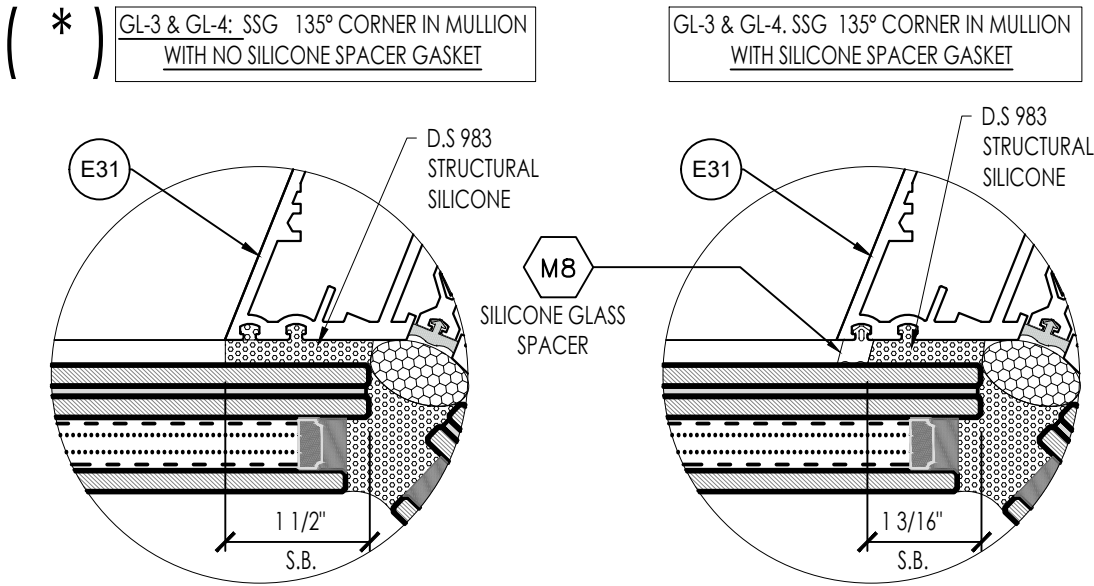
DESIGN LOAD CAPACITY - PSF (SSG GLASS)					
NOMINAL DIMENSIONS		GL-3		GL-4	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	84	174*	174*	189*	189*
50		165*	165*	165*	165*
56		147*	147*	121*	121*
62		133*	133*	121*	121*
68		121*	121*	121*	121*
73	90	113*	113*	113*	113*
42		174*	174*	189*	189*
50		165*	165*	165*	165*
56		147*	147*	121*	121*
62		133*	133*	121*	121*
68	96	121*	121*	121*	121*
73		113*	113*	113*	113*
42		174*	174*	189*	189*
50		165*	165*	165*	165*
56		147*	147*	147*	147*
62	102	133*	133*	133*	133*
68		121*	121*	121*	121*
73		113*	113*	113*	113*
42		174*	174*	189*	189*
50		165*	165*	165*	165*
56	108	147*	147*	121*	121*
62		133*	133*	121*	121*
68		121*	121*	121*	121*
73		113*	113*	113*	113*
42		174*	174*	189*	189*
50	114	165*	165*	165*	165*
56		147*	147*	121*	121*
62		133*	133*	121*	121*
68		121*	121*	121*	121*
73		113*	113*	-	-
42	120	174*	174*	189*	189*
46		174*	174*	180*	180*
50		165*	165*	165*	165*
56		147*	147*	121*	121*
62		133*	133*	121*	121*
68		121*	121*	-	-
73		113*	113*	-	-

WHERE INDICATED BY THE (*), CAPACITY IS WITH NO
SPACER GASKET.
SEE NOTE BELOW & TABLE ON NEXT SHEET FOR
CAPACITY WITH SPACER GASKET

NOMINAL DIMENSIONS		GL-3		GL-4	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	127	174*	174*	189*	189*
50		165*	165*	165*	165*
56		147*	147*	121*	121*
62		133*	133*	121*	121*
68		121*	121*	-	-
73	133	93	93	-	-
42		174*	174*	189*	189*
50		165*	165*	121*	121*
56		147*	147*	121*	121*
62		133*	133*	-	-
68	139	121*	121*	-	-
73		93	93	-	-
42		174*	174*	189*	189*
50		165*	165*	121*	121*
56		147*	147*	121*	121*
62	147	133*	133*	-	-
68		93	93	-	-
73		93	93	-	-
42		174*	174*	-	-
46		174*	174*	-	-
50	151	165*	165*	-	-
58		172*	172*	-	-
62		93	93	-	-
68		93	93	-	-
73		93	93	-	-
42	156	150	150	-	-
50		150*	150*	-	-
56		147*	147*	-	-
62		93	93	-	-
68		93	93	-	-
42	162	150	150	-	-
46		150*	150*	-	-
50		150*	150*	-	-
56		93	93	-	-
62		93	93	-	-
68		93	93	-	-
73		93	93	-	-

NOMINAL DIMENSIONS		GL-3	
DLO WIDTH	DLO HEIGHT	+	-
42	168	150	150
46		150*	150*
50		150*	150*
56		93	93
62		93	93
42	174	150	150
46		150*	150*
50		150*	150*
56		93	93
62		93	93
42	180	150	150
46		150*	150*
50		150*	150*
56		93	93
62		93	93

(*) DESIGN PRESSURES WITH THIS SIGN SHOWN ON TABLE ABOVE FOR THE
SPECIFIC SIZES INDICATED ARE ALLOWED WITH NO SILICONE GLASS
SPACER USED IN MULLION. SEE DETAIL BELOW. SEE TABLE ON NEXT SHEET
FOR CAPACITY WITH SPACER GASKET



136° IN CORNER MULLION
STRUCTURALLY GLAZED (SSG)
GLASS CAPACITY TABLE

APPLY TO

SSG
GL-3, GL-4

E.S.
WINDOWS, LLC

3550 N.W. 49 STREET
MIAMI, FL 33142
TEL. (305) 638-5151
FAX. (305) 638-5158

PROJECT
ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG		
No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:
**DEERFIELD
TECHNICAL INC.**
CA# 36112
111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

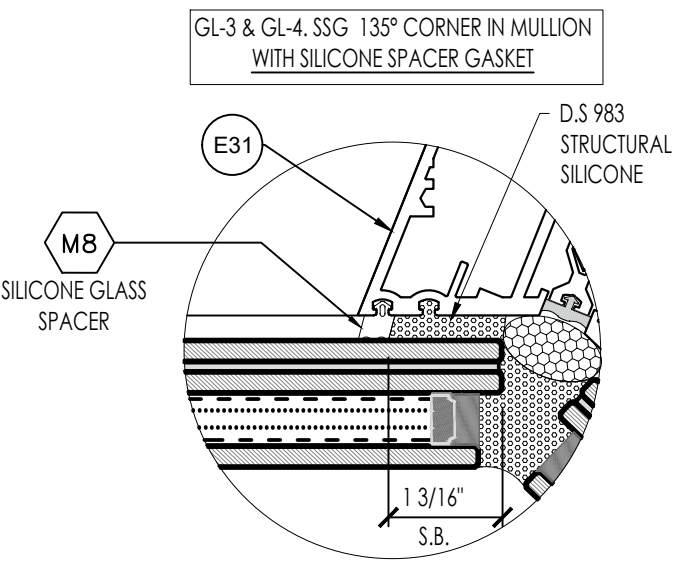
CHECKED FOR STRUCTURAL
COMPLIANCE ONLY. BY:

JOHN FREDY DELGADO
LICENSE
No. 94078
★ 09/10/2026
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE N.T.S.	
PAGE 26 OF 57		

STRUCTURALLY GLAZED (SSG)
W/ 135° IN CORNER MULLION
GLASS CAPACITY TABLE



APPLY TO

SSG
GL-3, GL-4

E.S.
WINDOWS, LLC

3550 N.W. 49 STREET
MIAMI, FL 33142
TEL. (305) 638-5151
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ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISSILE IMPACT

FL #44674.2

DRAWING REVISION LOG

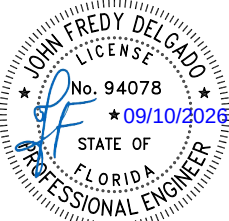
No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:

DEERFIELD
TECHNICAL INC.
CA# 36112

111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

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JOHN DELGADO, P.E.
FL. REG. # 94078

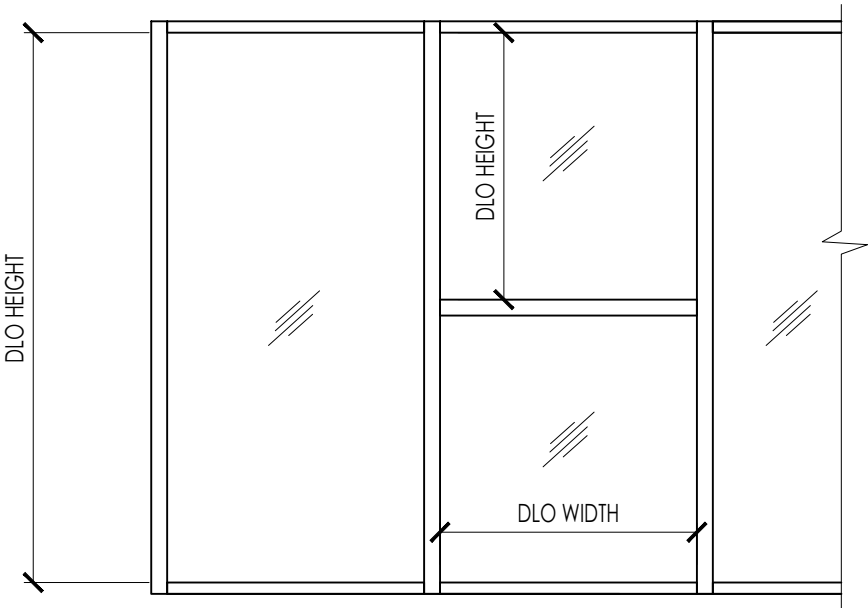
136° IN CORNER MULLION
STRUCTURALLY GLAZED (SSG)
GLASS CAPACITY TABLE

FOR GL-3 ONLY: CAPACITY TABLE OF GLASS WITH
SPACER GASKETS IN THE MULLION. SEE DETAIL ABOVE.

NOMINAL DIMENSIONS		GL-3	
DLO WIDTH (W)	DLO HEIGHT (H)	PSF (+)	PSF (-)
36	36 < H ≤ 147	174	174
	147 < H ≤ 180	150	150
42	42 < H ≤ 147	162	162
	147 < H ≤ 180	150	150
50	50 < H ≤ 147	136	136
56	56 < H ≤ 147	122	122
	147 < H ≤ 180	93	93
62	62 < H ≤ 139	110	110
	139 < H ≤ 168	93	93
68	68 < H ≤ 133	100	100
	133 < H ≤ 162	93	93
73	73 < H ≤ 147	93	93

FOR GL-4 ONLY: CAPACITY TABLE OF GLASS WITH
SPACER GASKETS IN THE MULLION. SEE DETAIL ABOVE.

NOMINAL DIMENSIONS		GL-4	
DLO WIDTH (W)	DLO HEIGHT (H)	PSF (+)	PSF (-)
36	36 < H ≤ 139	189	189
42	42 < H ≤ 139	162	162
50	50 < H ≤ 127	136	136
	127 < H ≤ 139	121	121
56	56 < H ≤ 139	121	121
62	62 < H ≤ 127	110	110
68	68 < H ≤ 114	100	100
73	73 < H ≤ 108	93	93



PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE N.T.S.	
PAGE 27 OF 57		

STRUCTURALLY GLAZED (SSG)
W/ 135° OUT CORNER MULLION
GLASS CAPACITY TABLE

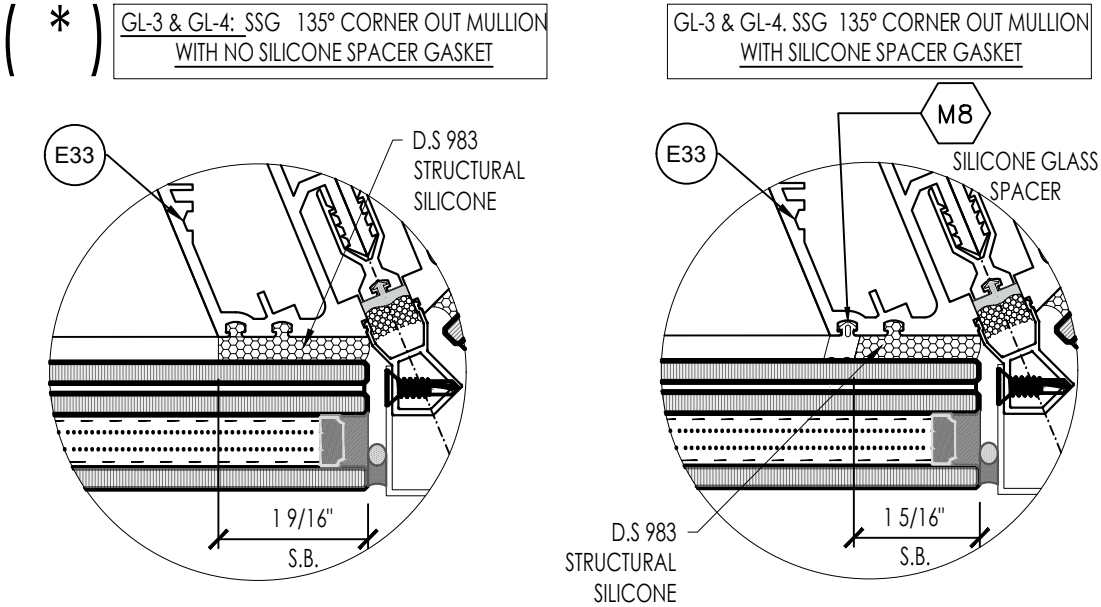
DESIGN LOAD CAPACITY - PSF (SSG GLASS)					
NOMINAL DIMENSIONS		GL-3		GL-4	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	84	174	174	189*	189*
50		174*	174*	180*	180*
56		160*	160*	121*	121*
62		145*	145*	121*	121*
68		132*	132*	121*	121*
73		123*	123*	121*	121*
42	90	174	174	189*	189*
50		174*	174*	180*	180*
56		160*	160*	121*	121*
62		145*	145*	121*	121*
68		132*	132*	121*	121*
73		123*	123*	121*	121*
42	96	174	174	189*	189*
50		174*	174*	180*	180*
56		160*	160*	121*	121*
62		145*	145*	121*	121*
68		132*	132*	121*	121*
73		123*	123*	121*	121*
42	102	174	174	189*	189*
50		174*	174*	180*	180*
56		160*	160*	121*	121*
62		145*	145*	121*	121*
68		132*	132*	121*	121*
73		123*	123*	121*	121*
42	108	174	174	189*	189*
50		174*	174*	180*	180*
56		160*	160*	121*	121*
62		145*	145*	121*	121*
68		132*	132*	121*	121*
73		123*	123*	121*	121*
42	114	174	174	189*	189*
50		174*	174*	180*	180*
56		160*	160*	121*	121*
62		145*	145*	121*	121*
68		132*	132*	121*	121*
73		123*	123*	-	-
42	120	174	174	189*	189*
46		174*	174*	189*	189*
50		174*	174*	180*	180*
56		160*	160*	121*	121*
62		145*	145*	121*	121*
68		132*	132*	-	-
73		123*	123*	-	-

WHERE INDICATED BY THE (*), CAPACITY IS WITH NO
SPACER GASKET.
SEE NOTE BELOW & TABLE ON NEXT SHEET FOR
CAPACITY WITH SPACER GASKET

NOMINAL DIMENSIONS		GL-3		GL-4	
DLO WIDTH	DLO HEIGHT	+	-	+	-
42	127	174	174	189*	189*
50		174*	174*	180*	180*
56		160*	160*	121*	121*
62		145*	145*	121	121
68		132*	132*	-	-
73		93	93	-	-
42	133	174	174	189*	189*
50		174*	174*	121*	121*
56		160*	160*	121	121
62		145*	145*	-	-
68		132*	132*	-	-
73		93	93	-	-
42	139	174	174	189*	189*
50		174*	174*	121*	121*
56		160*	160*	121	121
62		145*	145*	-	-
68		93	93	-	-
73		93	93	-	-
42	147	174	174	-	-
46		174*	174*	-	-
50		174*	174*	-	-
58		155*	155*	-	-
62		93	93	-	-
68		93	93	-	-
73	151	93	93	-	-
42		150	150	-	-
50		150	150	-	-
56		150*	150*	-	-
62		93	93	-	-
68		93	93	-	-
42	156	150	150	-	-
46		150	150	-	-
50		150	150	-	-
56		93	93	-	-
62		93	93	-	-
68		93	93	-	-
42	162	150	150	-	-
46		150	150	-	-
50		150	150	-	-
56		93	93	-	-
62		93	93	-	-
68		93	93	-	-

NOMINAL DIMENSIONS		GL-3	
DLO WIDTH	DLO HEIGHT	+	-
42	168	150	150
46		150	150
50		150	150
56		93	93
62		93	93
42	174	150	150
46		150	150
50		150	150
56		93	93
42	180	150	150
46		150	150
50		150	150
56		93	93

(*) DESIGN PRESSURES WITH THIS SIGN SHOWN ON TABLE ABOVE FOR THE
SPECIFIC SIZES INDICATED ARE ALLOWED WITH NO SILICONE GLASS
SPACER USED IN MULLION. SEE DETAIL BELOW. SEE TABLE ON NEXT SHEET
FOR CAPACITY WITH SPACER GASKET



135° OUT CORNER MULLION
STRUCTURALLY GLAZED (SSG)
GLASS CAPACITY TABLE

APPLY TO

SSG
GL-3, GL-4

E.S.
WINDOWS, LLC

3550 N.W. 49 STREET
MIAMI, FL 33142
TEL. (305) 638-5151
FAX. (305) 638-5158

PROJECT
ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG		
No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:
**DEERFIELD
TECHNICAL INC.**
CA# 36112
111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

CHECKED FOR STRUCTURAL
COMPLIANCE ONLY. BY:

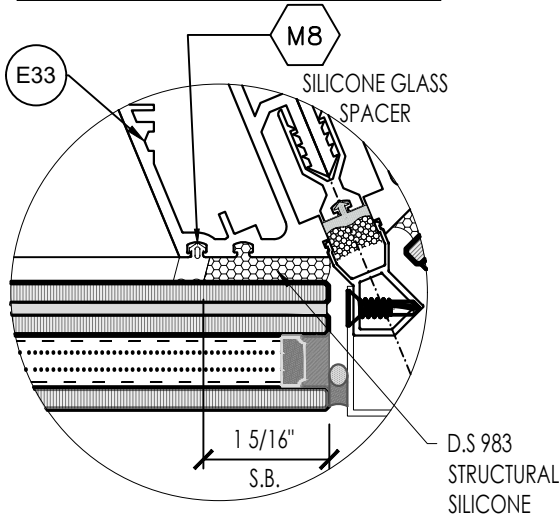
JOHN FREDY DELGADO
LICENSE
No. 94078
★ 09/10/2026
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE N.T.S.	
PAGE 28 OF 57		

STRUCTURALLY GLAZED (SSG)
W/ 135° OUT CORNER MULLION
GLASS CAPACITY TABLE

GL-3 & GL-4. SSG 135° CORNER OUT MULLION
WITH SILICONE SPACER GASKET



APPLY TO

SSG
GL-3, GL-4

E.S.
WINDOWS, LLC

3550 N.W. 49 STREET
MIAMI, FL 33142
TEL. (305) 638-5151
FAX. (305) 638-5158

ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG

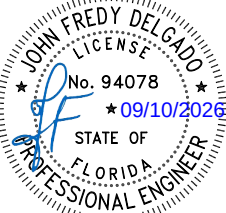
No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:

DEERFIELD
TECHNICAL INC.
CA# 36112

111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

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JOHN DELGADO, P.E.
FL. REG. # 94078

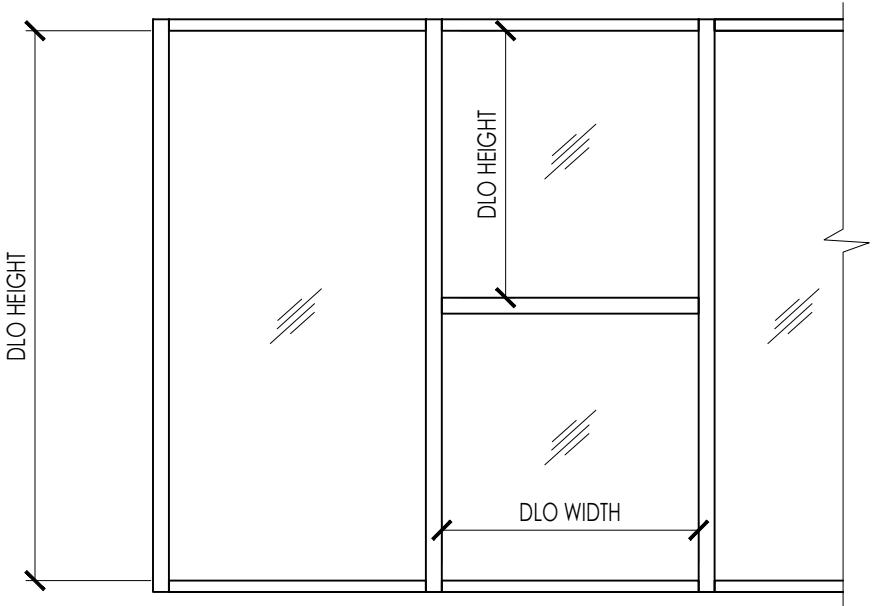
135° OUT CORNER MULLION
STRUCTURALLY GLAZED (SSG)
GLASS CAPACITY TABLE

FOR GL-3 ONLY: CAPACITY TABLE OF GLASS WITH
SPACER GASKETS IN THE MULLION. SEE DETAIL ABOVE.

NOMINAL DIMENSIONS		GL-3	
DLO WIDTH (W)	DLO HEIGHT (H)	PSF (+)	PSF (-)
36	36 < H <= 147	174	174
	147 < H <= 180	150	150
42	42 < H <= 147	174	174
	147 < H <= 180	150	150
50	50 < H <= 147	151	151
	147 < H <= 180	150	150
56	56 < H <= 151	135	135
	151 < H <= 180	93	93
62	62 < H <= 139	121	121
	139 < H <= 180	93	93
68	68 < H <= 133	111	111
	133 < H <= 162	93	93
73	73 < H <= 120	103	103
	120 < H <= 147	93	93

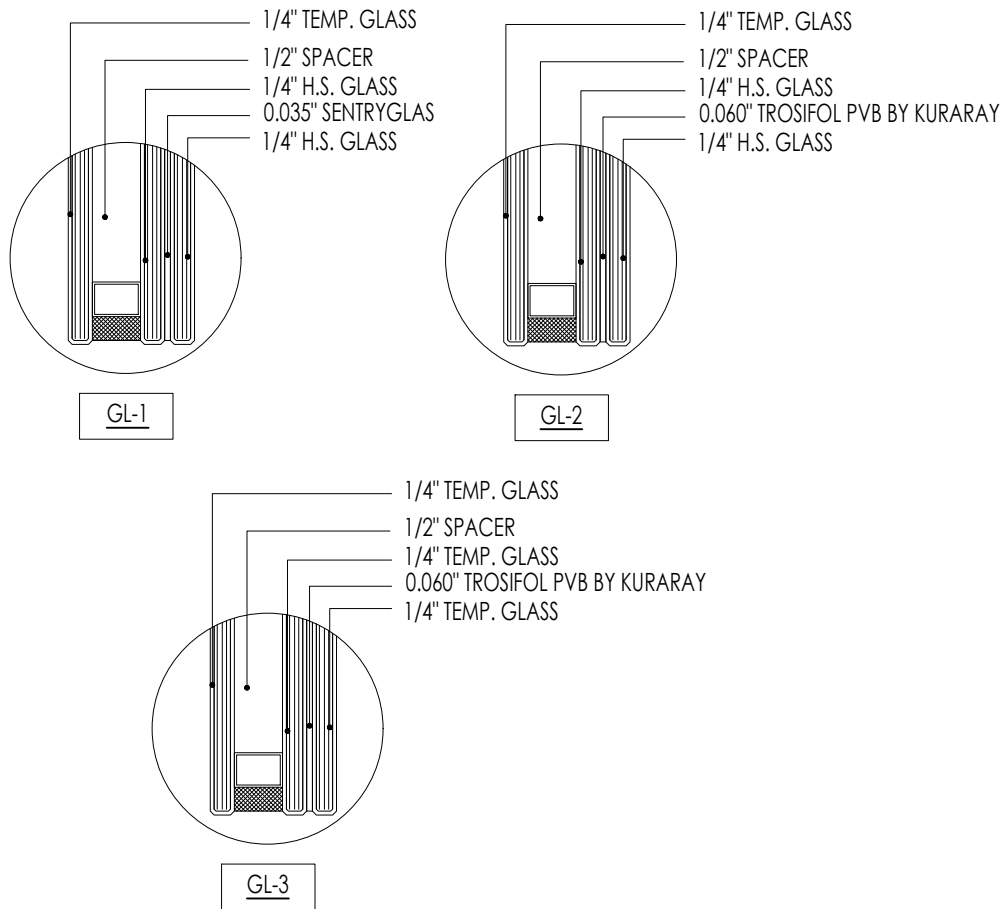
FOR GL-4 ONLY: CAPACITY TABLE OF GLASS WITH
SPACER GASKETS IN THE MULLION. SEE DETAIL ABOVE.

NOMINAL DIMENSIONS		GL-4	
DLO WIDTH (W)	DLO HEIGHT (H)	PSF (+)	PSF (-)
36	36 < H <= 139	189	189
42	42 < H <= 139	180	180
50	50 < H <= 127	151	151
	127 < H <= 139	121	121
56	56 < H <= 114	135	135
	56 < H <= 139	121	121
62	62 < H <= 127	121	121
68	68 < H <= 114	111	111
73	73 < H <= 108	103	103

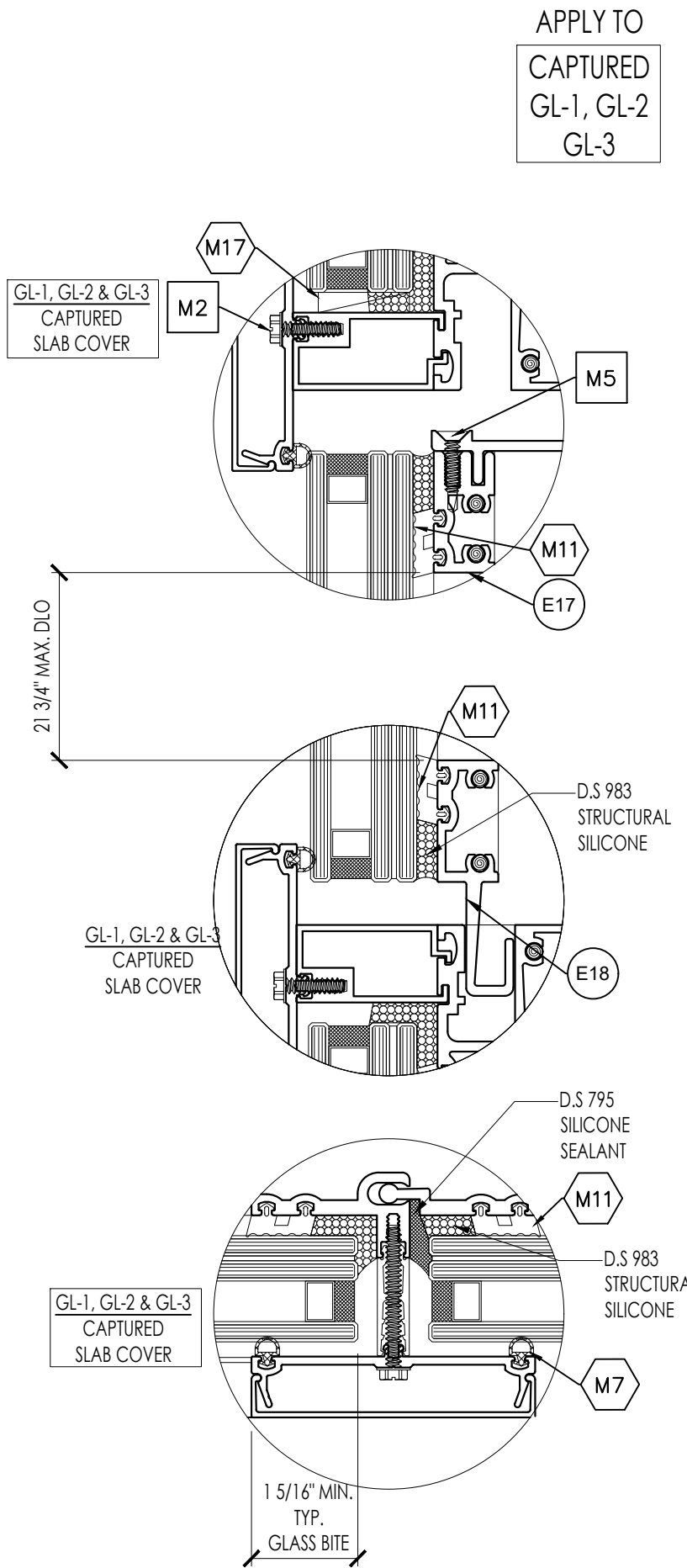
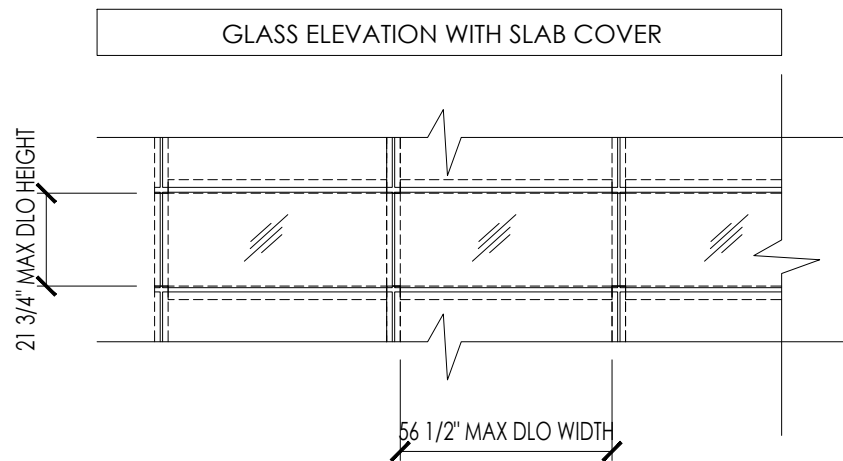


PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE N.T.S.	
PAGE 29 OF 57		

CAPTURED GLASS
SLAB COVER
GLASS CAPACITY



DESIGN LOAD CAPACITY - PSF (GL-1, GL-2 & GL-3)			
CAPTURED			
NOMINAL DIMENSIONS			
MAX DLO WIDTH	MAX DLO HEIGHT	+	-
56 1/2"	21 3/4"	150	150



APPLY TO
CAPTURED
GL-1, GL-2
GL-3

E.S.
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ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG		
No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:
**DEERFIELD
TECHNICAL INC.**
CA# 36112
111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

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JOHN FREDY DELGADO
LICENSE
No. 94078
★ 09/10/2026
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

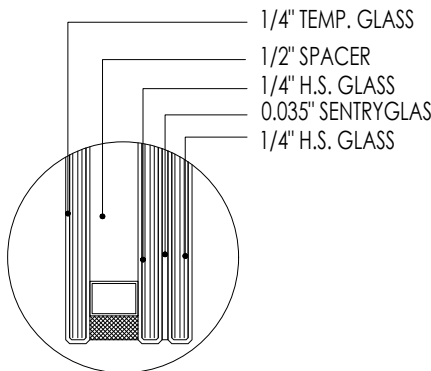
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FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE N.T.S.	
PAGE 30 OF 57		

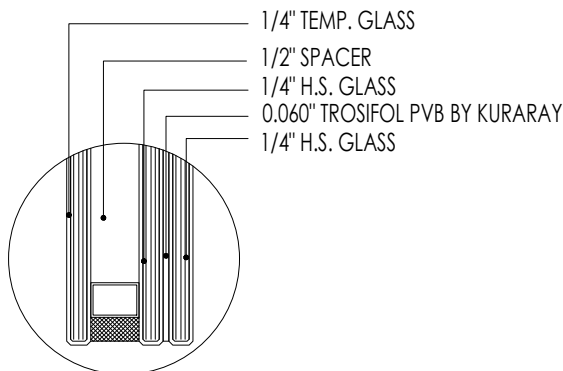
STRUCTURALLY GLAZED
SLAB COVER
GLASS CAPACITY

APPLY TO

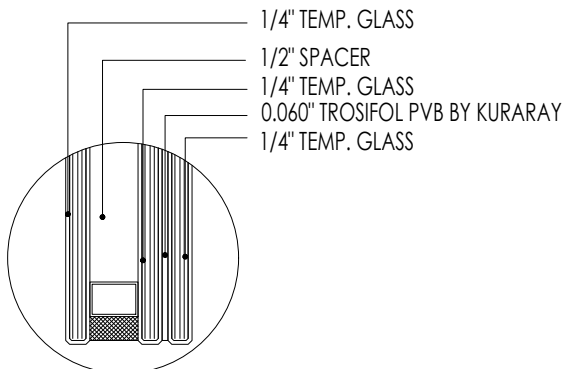
SSG
GL-1, GL-2
GL-3, GL-4



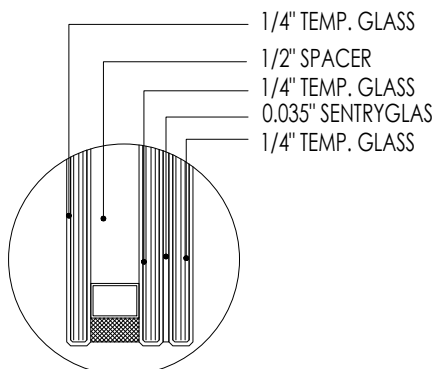
GL-1



GL-2

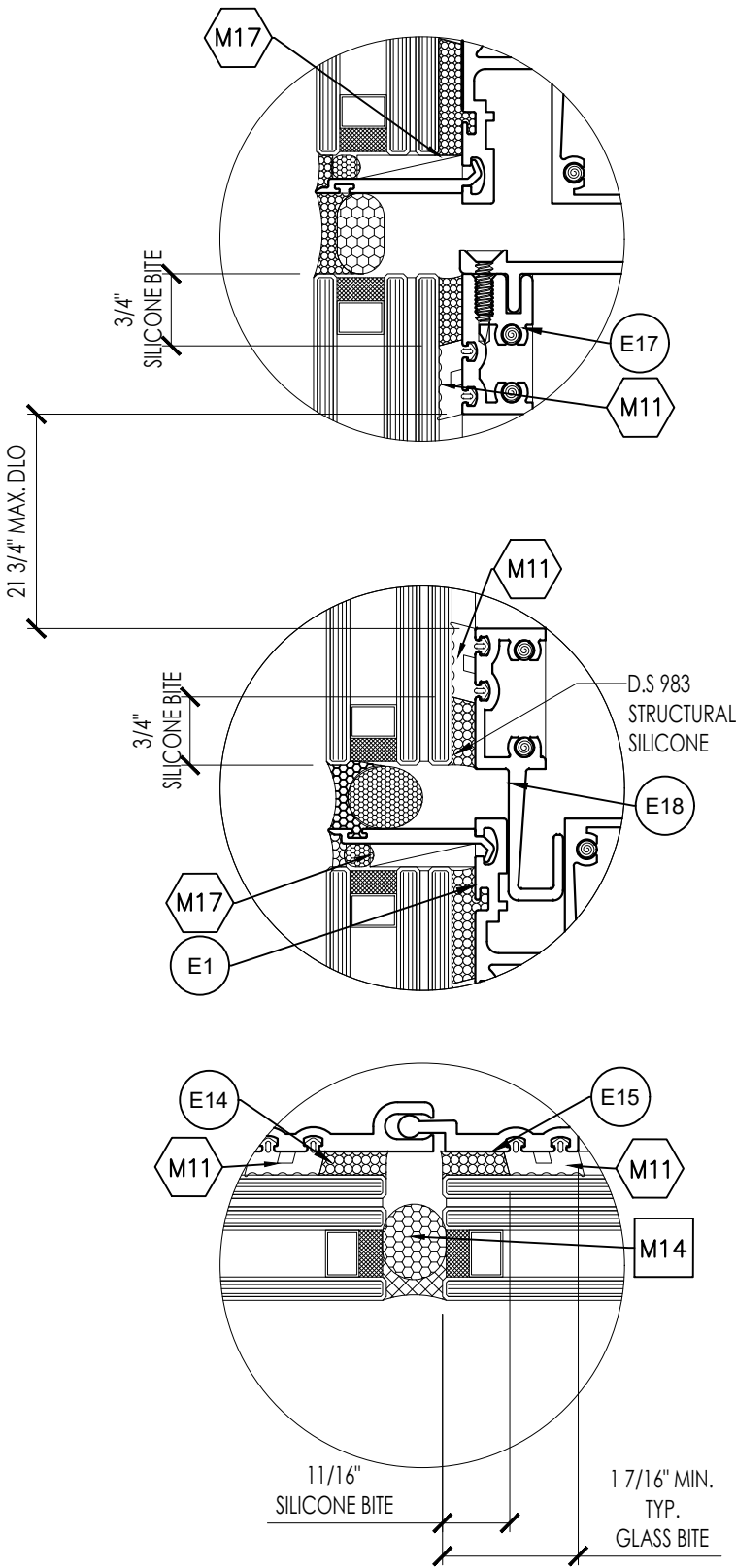
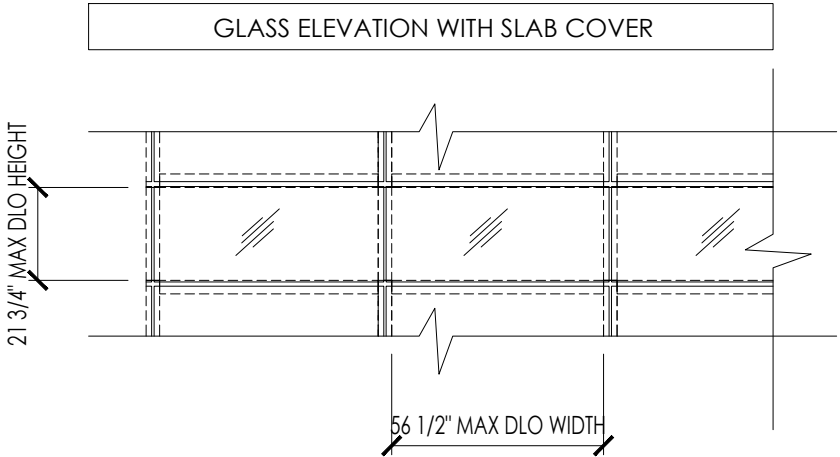


GL-3



GL-4

DESIGN LOAD CAPACITY - PSF									
SSG									
NOMINAL DIMENSIONS		GL-1		GL-2		GL-3		GL-4	
DLO WIDTH	DLO HEIGHT	+	-	+	-	+	-	+	-
48 1/2"	16"	150	150	150	150	174	174	189	189
56 1/2"	21 3/4"	150	150	150	150	150	150	150	150



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ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISSILE IMPACT

FL #44674.2

DRAWING REVISION LOG

No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:
**DEERFIELD
TECHNICAL INC.**
CA# 36112

111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

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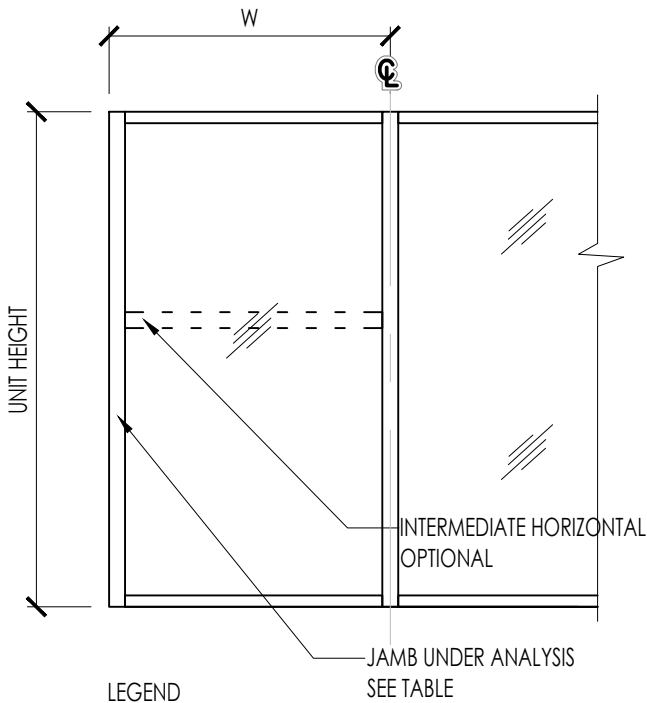
JOHN FREDY DELGADO
LICENSE
No. 94078
★ 09/10/2026 ★
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE N.T.S.	
PAGE 31 OF 57		

JAMB DESIGN LOAD CAPACITY - PSF					
WITH OR WITHOUT INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		JAMB 'JA.0'		JAMB 'JB.0'/'JC.0'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	96	140	140	150	150
36		140	140	150	150
42		140	140	150	150
48		140	140	150	150
54		135	135	150	150
60		121	121	-	-
66		110	110	-	-
30	102	140	140	150	150
36		140	140	150	150
42		140	140	150	150
48		140	140	150	150
54		135	135	150	150
60		121	121	-	-
30	108	140	140	150	150
36		140	140	150	150
42		140	140	150	150
48		140	140	150	150
54		135	135	150	150
60		121	121	-	-
30	114	140	140	150	150
36		140	140	150	150
42		140	140	150	150
48		140	140	150	150
54		135	135	150	150
60		121	121	-	-
30	120	140	140	150	150
36		140	140	150	150
42		140	140	150	150
48		140	140	150	150
54		135	135	150	150
60		121	121	-	-
30	125	140	140	150	150
36		140	140	150	150
42		140	140	150	150
48		140	140	150	150
52		140	140	150	150
54		-	-	150	150
36	132	111	111	150	150
42		111	111	150	150
48		-	-	150	150
54		-	-	150	150
36	138	111	111	150	150
42		111	111	150	150
48		-	-	150	150
54		-	-	150	150
36	144	111	111	150	150
40		111	111	150	150
42		-	-	150	150
48		-	-	150	150
54		-	-	150	150

JAMB DESIGN LOAD CAPACITY - PSF					
WITH OR WITHOUT INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		JAMB 'JA.0'		JAMB 'JB.0'/'JC.0'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
36	152 1/4	111	111	150	150
38		111	111	150	150
42		-	-	150	150
48		-	-	150	150
54		-	-	150	150
60		-	-	150	150
36	156	-	-	150	150
42		-	-	150	150
48		-	-	150	150
54	162	-	-	150	150
36		-	-	150	150
42		-	-	150	150
48		-	-	150	150
54	168	-	-	150	150
36		-	-	150	150
42		-	-	150	150
48		-	-	150	150
54	174	-	-	150	150
36		-	-	150	150
42		-	-	150	150
48		-	-	150	150
54	180	-	-	150	150
36		-	-	150	150
42		-	-	150	150
48		-	-	150	150
54	186	-	-	150	150
36		-	-	150	150
42		-	-	150	150
48		-	-	150	150
54		-	-	150	150



LEGEND

W: TRIBUTARY WIDTH OF ANALYZED MULLION TO BE USED IN THE TABLE ON THE LEFT

JAMB CAPACITY TABLE
CAPTURED OR SSG
WITH OR WITHOUT INTERMEDIATE
HORIZONTALS

	JAMB 'JA.0'		JAMB 'JB.0'			
	SSG	CAPTURED	SSG			
	Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3
ALUMINUM	11.5878	3.281	21.88	5.83	20.3192	5.532
STEEL	-	-	-	-	-	-
TOTAL Ix ALUM + Ix STL X 2,9	11.5878	-	21.88	-	20.3192	-

E.S.
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ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG

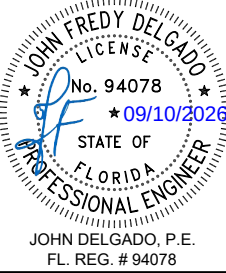
No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:

DEERFIELD
TECHNICAL INC.
CA# 36112

111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

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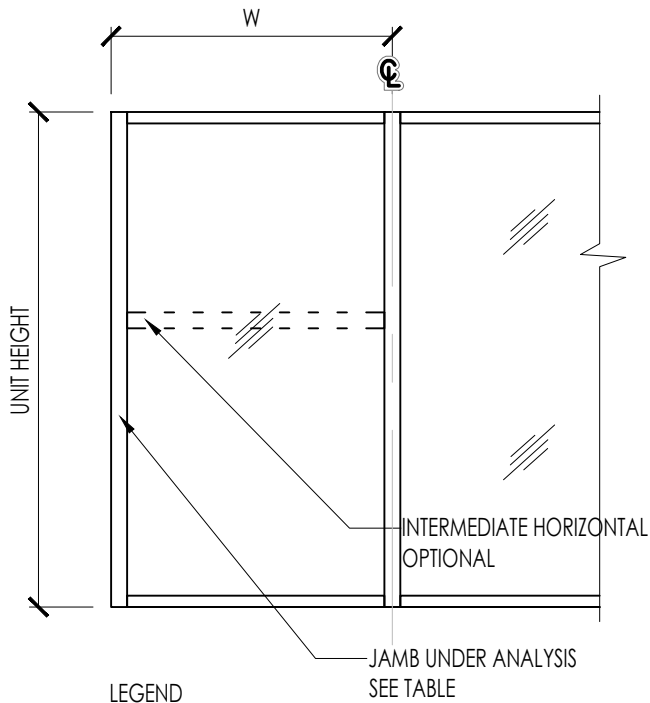


PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE N.T.S.	
PAGE 32 OF 57		

JAMB DESIGN LOAD CAPACITY - PSF			
WITH OR WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		JAMB 'JC.0'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30	96	150	150
36		150	150
42		150	150
48		150	150
54		150	150
60		122	122
66		122	122
72		122	122
74 1/8		122	122
30	102	150	150
36		150	150
42		150	150
48		150	150
54		150	150
60		150	150
66		122	122
72		122	122
74 1/8		122	122
30	108	150	150
36		150	150
42		150	150
48		150	150
54		150	150
60		150	150
66		122	122
72		122	122
74 1/8		122	122
30	114	150	150
36		150	150
42		150	150
48		150	150
54		150	150
60		150	150
66		122	122
72		122	122
74 1/8		122	122
30	120	150	150
36		150	150
42		150	150
48		150	150
54		150	150
60		150	150
66		122	122
72		122	122
74 1/8		122	122

JAMB DESIGN LOAD CAPACITY - PSF			
WITH OR WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		JAMB 'JC.0'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30	125	150	150
36		150	150
42		150	150
48		150	150
54		150	150
60		150	150
36	132	150	150
42		150	150
48		150	150
54		150	150
36	138	150	150
42		150	150
48		150	150
54		150	150
36	144	150	150
40		150	150
42		150	150
48		150	150
36	152 1/4	150	150
38 7/16		150	150
42		150	150
48		150	150
36	156	150	150
42		150	150
48		150	150
54		150	150
36	162	150	150
42		150	150
48		150	150
54		150	150
36	168	150	150
42		150	150
48		150	150
54		150	150
36	174	150	150
42		150	150
48		150	150
56		150	150

JAMB DESIGN LOAD CAPACITY - PSF			
WITH OR WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		JAMB 'JC.0'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
36	180	150	150
42		150	150
48		150	150
54		150	150
36	186	150	150
42		150	150
48		150	150
54		150	150



APPLY TO
CAPTURED
SSG
JAMBS
1X REINF.

JAMB CAPACITY TABLE
CAPTURED OR SSG
WITH OR WITHOUT INTERMEDIATE
HORIZONTALS

JAMB 'JC.0'			
Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3
21.9493	6.1358	21.9521	6.1361
-	-	-	-
21.9493	-	21.9521	-

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ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG

No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:
**DEERFIELD
TECHNICAL INC.**
CA# 36112

111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

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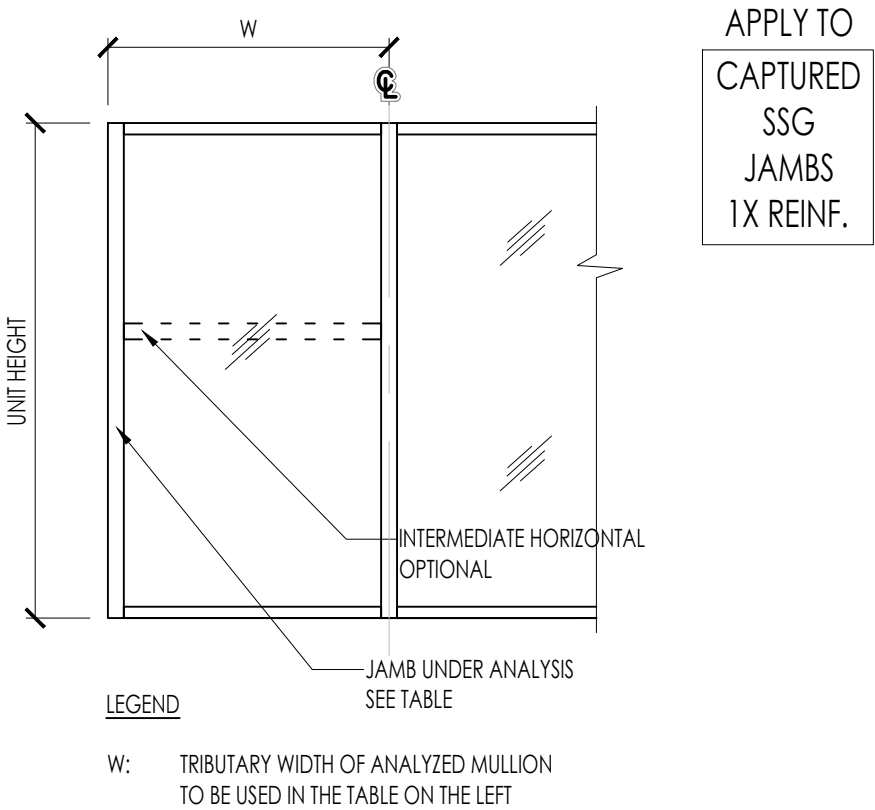
JOHN FREDY DELGADO
LICENSE
No. 94078
★ 09/10/2026 ★
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE 6"=1'-0"	
PAGE 33 OF 57		

JAMB DESIGN LOAD CAPACITY - PSF							
WITH OR WITHOUT INTERMEDIATE HORIZONTALS							
NOMINAL DIMS.		JAMB 'JA.1'		JAMB 'JB.1' CAPTURED		JAMB 'JB.1' SSG	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	102	174	174	114	140	114	140
36		174	174	114	140	114	140
42		174	174	114	140	114	140
48		174	174	114	140	114	140
54		174	174	102	124	102	124
60		174	174	102	124	102	-124
66		174	174	-	-	102	-124
72		174	174	-	-	102	-124
78 1/4				-	-	93	93
30	108	174	174	114	140	114	140
36		174	174	114	140	114	140
42		174	174	114	140	114	140
48		174	174	114	140	114	140
54		174	174	102	124	102	124
60		174	174	102	124	102	-124
66		174	174	-	-	102	-124
72		174	174	-	-	102	-124
78 1/4				-	-	93	93
30	114	174	174	114	140	114	140
36		174	174	114	140	114	140
42		174	174	114	140	114	140
48		174	174	114	140	114	140
54		174	174	102	124	102	124
60		140	140	102	-124	102	-124
66		174	174	-	-	102	-124
72		174	174	-	-	102	-124
78 1/4				-	-	93	93
30	120	174	174	114	140	114	140
36		174	174	114	140	114	140
42		174	174	114	140	114	140
48		174	174	114	140	114	140
54		174	174	102	124	102	124
60		140	140	102	-124	102	-124
66		174	174	-	-	102	124
72		174	174	-	-	102	124
78 1/4				-	-	93	93
30	126	174	174	114	140	114	140
36		174	174	114	140	114	140
42		174	174	114	140	114	140
48		174	174	114	140	114	140
54		174	174	102	124	102	124
60		92	112	102	124	102	124
66		92	112	-	-	102	124
72		92	112	-	-	102	124
78 1/4				-	-	93	93

JAMB DESIGN LOAD CAPACITY - PSF							
WITH OR WITHOUT INTERMEDIATE HORIZONTALS							
NOMINAL DIMS.		JAMB 'JA.1'		JAMB 'JB.1' CAPTURED		JAMB 'JB.1' SSG	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	132	174	174	114	140	114	140
36		174	174	114	140	114	140
42		174	174	114	140	114	140
48		174	174	114	140	114	140
54		174	174	102	124	102	124
60		92	112	102	112	102	112
66		92	102	-	-	102	102
72		92	93	-	-	102	102
78 1/4				-	-	93	93
30	138	174	174	114	140	114	140
36		174	174	114	140	114	140
42		174	174	114	140	114	140
48		174	174	114	140	114	140
52		140	140	102	124	102	124
54		174	174	102	124	102	124
60		92	112	102	112	102	112
66		92	102	-	-	102	102
72		92	92	-	-	102	102
78 1/4				-	-	93	93
30	143	174	174	114	140	114	140
36		174	174	114	140	114	140
42		174	174	114	140	114	140
48		174	174	114	140	114	140
52		174	174	102	124	102	124
54		101	124	102	124	102	124
60		92	112	102	112	102	112
66	144	92	102	-	-	102	102
72		92	92	-	-	102	102
78 1/4				-	-	93	93
30	150	174	174	114	140	114	140
36		174	174	114	140	114	140
42		174	174	114	140	114	140
48		174	174	114	140	114	140
50 1/2		174	174	102	124	102	124
54		101	124	102	124	102	124
60		92	112	102	102	102	102
66	152 1/4	92	92	-	-	102	102
72		92	92	-	-	102	102
78 1/4				-	-	93	93
30	152 1/4	174	174	114	140	114	140
36		174	174	114	140	114	140
42		174	174	114	140	114	140
48		174	174	114	140	114	140
51		174	174	102	124	102	124
54		101	124	102	124	102	124
60		92	112	102	112	102	112
66	152 1/4	92	92	-	-	102	102
72		92	92	-	-	102	102
78				-	-	93	93



JAMB CAPACITY TABLE
CAPTURED OR SSG
WITH OR WITHOUT INTERMEDIATE
HORIZONTALS

	JAMB 'JA.1'		JAMB 'JB.1'			
	SSG		CAPTURED		SSG	
	1x IN^4	Sx IN^3	1x IN^4	Sx IN^3	1x IN^4	Sx IN^3
ALUMINUM	11.5878	3.281	21.88	5.83	20.3192	5.532
STEEL	11.4427	3.5208	11.4427	3.5208	11.4427	3.5208
TOTAL 1x ALUM + 1x STL X 2.9	44.7716	-	55.0638	-	53.503	-

E.S.
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ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

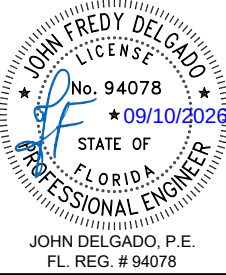
DRAWING REVISION LOG

No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:
DEERFIELD
TECHNICAL INC.
CA# 36112

111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

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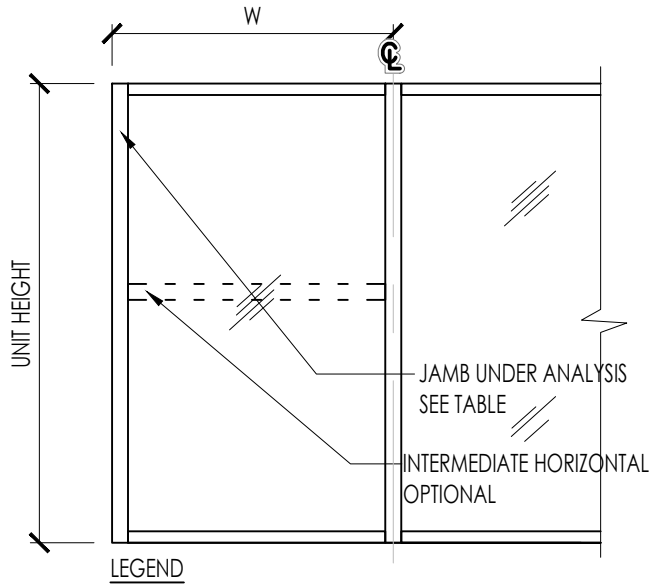


PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE 6"=1'-0"	
PAGE 34 OF 57		

JAMB DESIGN LOAD CAPACITY - PSF							
WITH OR WITHOUT INTERMEDIATE HORIZONTALS							
NOMINAL DIMS.		JAMB 'JA.1'		JAMB 'JB.1' CAPTURED		JAMB 'JB.1' SSG	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	156	114	140	114	140	114	140
36		114	140	114	140	114	140
42		114	140	114	140	114	140
48		114	140	114	140	114	140
54		101	124	102	124	102	124
60		92	112	102	112	102	112
66		92	92	-	-	102	102
72		92	92	-	-	102	102
30	162	114	140	114	140	114	140
36		114	140	114	140	114	140
42		114	140	114	140	114	140
48		114	140	114	140	114	140
54		101	124	102	124	102	124
60		92	112	102	112	102	112
66		92	92	-	-	102	102
72		92	92	-	-	102	102
30	168	114	140	114	140	114	140
36		114	140	114	140	114	140
42		114	140	114	140	114	140
48		114	140	114	140	114	140
54		101	124	102	124	102	124
60		92	92	102	102	102	102
66		92	92	-	-	102	102
72		92	92	-	-	102	102
30	173	114	140	114	140	114	140
36		114	140	114	140	114	140
42		114	140	114	140	114	140
48		114	137	114	137	114	137
54		101	124	102	124	102	124
60		92	92	102	102	102	102
66		92	92	-	-	-	-
72		92	92	-	-	-	-
30	174	114	140	65	65	-	-
36		114	140	65	65	-	-
42		114	140	65	65	-	-
48		114	137	65	65	-	-
54		101	124	65	65	-	-
60		92	92	-	-	-	-
66		92	92	-	-	-	-
72		92	92	-	-	-	-
30	180	114	140	65	65	-	-
36		114	140	65	65	-	-
42		114	140	65	65	-	-
48		114	132	65	65	-	-
54		101	119	65	65	-	-
60		92	92	65	65	-	-
66		92	92	-	-	-	-

JAMB DESIGN LOAD CAPACITY - PSF							
WITH OR WITHOUT INTERMEDIATE HORIZONTALS							
NOMINAL DIMS.		JAMB 'JA.1'		JAMB 'JB.1' CAPTURED		JAMB 'JB.1' SSG	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	184	114	140	65	65	-	-
36		114	140	65	65	-	-
42		114	140	65	65	-	-
48		114	127	65	65	-	-
53 1/2		92	92	65	65	-	-
54		92	92	65	65	-	-
60		92	92	65	65	-	-
66		92	92	-	-	-	-
30	186	114	140	-	-	-	-
36		114	140	-	-	-	-
42		114	140	-	-	-	-
48		114	127	-	-	-	-
53 1/2		92	92	-	-	-	-
54		92	92	-	-	-	-
60		92	92	-	-	-	-
66		92	92	-	-	-	-
30	192	114	140	-	-	-	-
36		114	140	-	-	-	-
42		114	137	-	-	-	-
48		114	122	-	-	-	-
53 1/2		92	92	-	-	-	-
54		92	92	-	-	-	-
60		92	92	-	-	-	-
66		92	92	-	-	-	-
30	193	114	140	-	-	-	-
36		114	140	-	-	-	-
42		114	137	-	-	-	-
48		114	122	-	-	-	-
53 1/2		119	119	-	-	-	-
54		92	92	-	-	-	-
60		92	92	-	-	-	-
66		92	92	-	-	-	-
30	198	114	140	-	-	-	-
36		114	140	-	-	-	-
42		114	133	-	-	-	-
48		114	118	-	-	-	-
54		92	92	-	-	-	-
60		92	92	-	-	-	-
66		92	92	-	-	-	-
30	204	114	130	-	-	-	-
36		114	130	-	-	-	-
42		114	128	-	-	-	-
48		114	114	-	-	-	-
54		92	92	-	-	-	-
60		92	92	-	-	-	-
66		92	92	-	-	-	-
30	210	92	92	-	-	-	-
36		92	92	-	-	-	-
42		92	92	-	-	-	-
48		92	92	-	-	-	-
54		92	92	-	-	-	-
60		90	90	-	-	-	-
66							

JAMB DESIGN LOAD CAPACITY - PSF							
WITH OR WITHOUT INTERMEDIATE HORIZONTALS							
NOMINAL DIMS.		JAMB 'JA.1'		JAMB 'JB.1' CAPTURED		JAMB 'JB.1' SSG	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	213	92	92	-	-	-	-
36		92	92	-	-	-	-
42		92	92	-	-	-	-
48		92	92	-	-	-	-
54		92	92	-	-	-	-
60		87	87	-	-	-	-
66							



JAMB CAPACITY TABLE
CAPTURED OR SSG
WITH OR WITHOUT INTERMEDIATE
HORIZONTALS

	JAMB 'JA.1'		JAMB 'JB.1'			
	SSG		CAPTURED		SSG	
	1x IN^4	Sx IN^3	1x IN^4	Sx IN^3	1x IN^4	Sx IN^3
ALUMINUM	11.5878	3.281	21.88	5.83	20.3192	5.532
STEEL	11.4427	3.5208	11.4427	3.5208	11.4427	3.5208
TOTAL						
1x ALUM + 1x STL X 2.9	44.7716	-	55.0638	-	53.503	-

APPLY TO
CAPTURED
SSG
JAMBS
1X REINF.

E.S.
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PROJECT
ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG		
No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:
DEERFIELD
TECHNICAL INC.
CA# 36112
111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

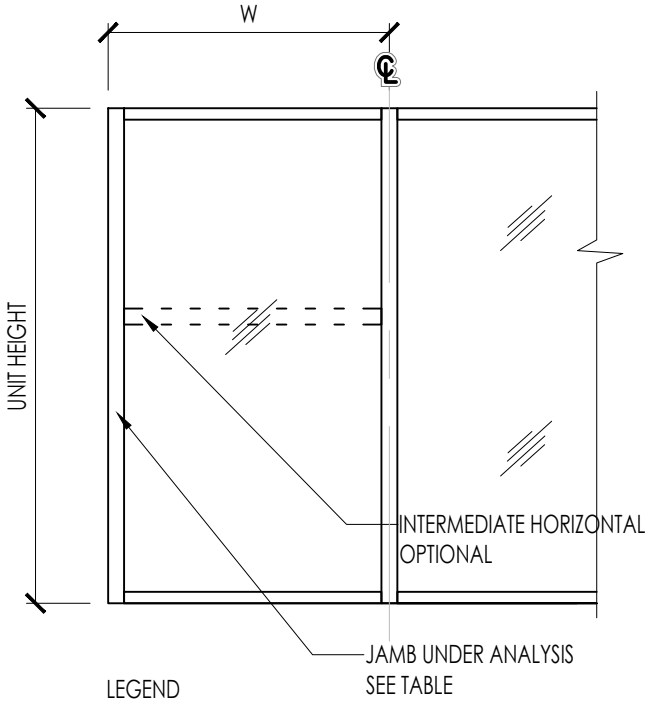
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JOHN FREDY DELGADO
LICENSE
No. 94078
09/10/2026
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY	DRAFTED BY	DATE
AC	SV	03/27/2025
DWG NUMBER	SCALE	
DT-PA-ESW-002	6"=1'-0"	
PAGE	34.1 OF 57	

JAMB DESIGN LOAD CAPACITY - PSF			
WITH OR WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		JAMB 'JC.1'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30	102	114	140
36		114	140
42		114	140
48		114	140
54		102	124
60		102	124
66		102	124
72		102	124
78 1/4		93	93
30	108	114	140
36		114	140
42		114	140
48		114	140
54		102	124
60		102	124
66		102	124
72		102	124
78 1/4		93	93
30	114	114	140
36		114	140
42		114	140
48		114	140
54		102	124
60		102	124
66		102	124
72		102	124
78 1/4		93	93
30	120	114	140
36		114	140
42		114	140
48		114	140
54		102	124
60		102	124
66		102	124
72		102	124
78 1/4		93	93
30	126	114	140
36		114	140
42		114	140
48		114	140
54		102	124
60		102	124
66		102	124
72		102	124
78 1/4		93	93

JAMB DESIGN LOAD CAPACITY - PSF			
WITH OR WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		JAMB 'JC.1'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30	132	114	140
36		114	140
42		114	140
48		114	140
54		102	124
60		102	112
66		102	102
72		102	102
78 1/4		93	93
30	138	114	140
36		114	140
42		114	140
48		114	140
52		102	124
54		102	124
60		102	112
66		102	102
72		102	102
78 1/4		93	93
30	143	114	140
36		114	140
42		114	140
48		114	140
52		102	124
54	144	102	124
60		102	112
66		102	102
72		102	102
78 1/4		93	93
30	150	114	140
36		114	140
42		114	140
48		114	140
50 1/2		102	124
54		102	124
60		102	102
66		102	102
72		102	102
78 1/4		93	93
30	152 1/4	114	140
36		114	140
42		114	140
48		114	140
50 1/2		102	124
54		102	124
60		102	112
66		102	102
72		102	102
78 1/4		93	93

JAMB DESIGN LOAD CAPACITY - PSF			
WITH OR WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		JAMB 'JC.1'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30	156	114	140
36		114	140
42		114	140
48		114	140
54		102	124
60		102	112
66		102	102
72		102	102
30	162	114	140
36		114	140
42		114	140
48		114	140
54		102	124
60		102	112
66		102	102
72		102	102
30	168	114	140
36		114	140
42		114	140
48		114	140
54		102	124
60		102	102
66		102	102
72		102	102
30	173	114	140
36		114	140
42		114	140
48		114	137
54		102	124
60		102	102



JAMB CAPACITY TABLE
CAPTURED OR SSG
WITH OR WITHOUT INTERMEDIATE
HORIZONTALS

JAMB 'JC.1'			
SSG		SSG	
Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3
21.9493	6.1358	21.9521	6.1361
11.4427	3.5208	11.4427	3.5208
55.1331	-	55.1359	-

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ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

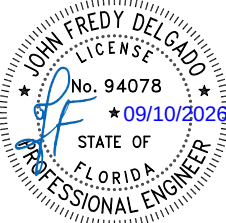
DRAWING REVISION LOG

No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:
DEERFIELD
TECHNICAL INC.
CA# 36112

111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

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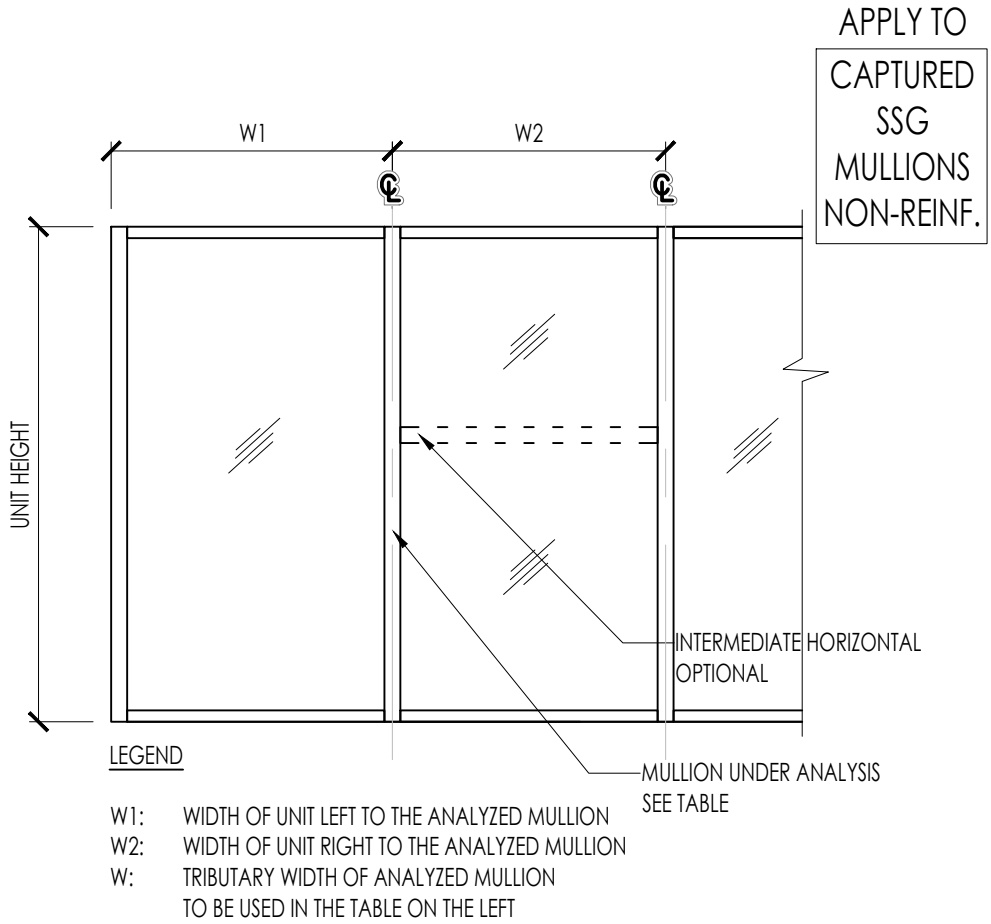


JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE 6"=1'-0"	
PAGE 35 OF 57		

MULLION DESIGN LOAD CAPACITY - PSF			
WITH OR WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		MULLION 'MA.0'/'MB.0'/'MC.0'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30	96	140	140
36		140	140
42		140	140
48		140	140
54		135	135
60		121	121
66		110	110
30	102	140	140
36		140	140
42		140	140
48		140	140
54		135	135
60		121	121
30	108	140	140
36		140	140
42		140	140
48		140	140
54		135	135
60		121	121
66		120	120
30	114	140	140
36		140	140
42		140	140
48		140	140
54		135	135
60		120	120
30	120	140	140
36		140	140
42		140	140
48		140	140
54		135	135
60		120	120
30	125	140	140
36		140	140
42		140	140
48		139	139
52		130	130
55 1/4		55	55
30	130	93	93
36		93	93
38 1/2		93	93
42		55	55
48		55	55
55 1/4		55	55

MULLION DESIGN LOAD CAPACITY - PSF			
WITH OR WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		MULLION 'MA.0'/'MB.0'/'MC.0'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30	135	93	93
36		93	93
38 1/2		93	93
42		55	55
48		55	55
55 1/4		55	55
30	140	93	93
36		93	93
38 1/2		93	93
42		55	55
48		55	55
55 1/4		55	55
30	145	93	93
36		93	93
38 1/2		93	93
42		55	55
48		55	55
55 1/4		55	55
30	150	93	93
36		93	93
38 1/2		93	93
42		55	55
48		55	55
55 1/4		55	55
30	152 1/4	93	93
36		93	93
38 1/2		93	93
42		55	55
48		55	55
55 1/4		55	55
30	156	55	55
36		55	55
42		55	55
48		55	55
55 1/4		55	55



MULLION CAPACITY TABLE
CAPTURED OR SSG
WITH OR WITHOUT INTERMEDIATE
HORIZONTALS

	MULLION 'MA.0'		MULLION 'MB.0'		MULLION 'MC.0'	
	lx IN^4	Sx IN^3	lx IN^4	Sx IN^3	lx IN^4	Sx IN^3
ALUMINUM	21.88	5.83	20.3192	5.532	23.4134	6.27
STEEL	-	-	-	-	-	-
TOTAL lx ALUM + lx STL X 2.9	21.88	-	20.3192	-	23.4134	-

E.S.
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PROJECT
ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG		
No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:
DEERFIELD
TECHNICAL INC.
CA# 36112
111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

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JOHN FREDY DELGADO
No. 94078
09/10/2026
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE 6"=1'-0"	
PAGE 36 OF 57		

MULLION DESIGN LOAD CAPACITY - PSF									
WITH OR WITHOUT INTERMEDIATE HORIZONTALS									
NOMINAL DIMS.		MULLION 'MA.1' CAPTURED		MULLION 'MA.1' SSG		MULLION 'MB.1'		MULLION 'MC.1'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	96	140	140	140	140	174	174	140	140
36		140	140	140	140	174	174	140	140
42		140	140	140	140	174	174	140	140
48		140	140	140	140	174	174	140	140
54		140	140	140	140	174	174	140	140
55 1/4		140	140	140	140	174	174	140	140
66		-	-	-	-	174	174	140	140
72		-	-	-	-	140	140	140	140
74 1/8		-	-	-	-	122	122	122	122
30	102	140	140	140	140	174	174	140	140
36		140	140	140	140	174	174	140	140
42		140	140	140	140	174	174	140	140
48		140	140	140	140	174	174	140	140
54		140	140	140	140	140	140	140	140
55 1/4		140	140	140	140	174	174	140	140
66		-	-	-	-	140	140	140	140
72		-	-	-	-	140	140	140	140
74 1/8		-	-	-	-	122	122	122	122
30	108	140	140	140	140	174	174	140	140
36		140	140	140	140	174	174	140	140
42		140	140	140	140	174	174	140	140
48		140	140	140	140	174	174	140	140
54		140	140	140	140	174	174	140	140
55 1/4		140	140	140	140	140	140	140	140
66		-	-	-	-	140	140	140	140
72		-	-	-	-	122	122	122	122
74 1/8		-	-	-	-	122	122	122	122
30	114	140	140	140	140	174	174	140	140
36		140	140	140	140	174	174	140	140
42		140	140	140	140	174	174	140	140
48		140	140	140	140	174	174	140	140
54		140	140	140	140	174	174	140	140
55 1/4		140	140	140	140	140	140	140	140
66		-	-	-	-	122	122	122	122
72		-	-	-	-	122	122	122	122
74 1/8		-	-	-	-	122	122	122	122
30	120	140	140	140	140	174	174	140	140
36		140	140	140	140	174	174	140	140
42		140	140	140	140	174	174	140	140
48		140	140	140	140	174	174	140	140
54		140	140	140	140	140	140	140	140
55 1/4		140	140	140	140	140	140	140	140
66		-	-	-	-	122	122	122	122
72		-	-	-	-	122	122	122	122
74 1/8		-	-	-	-	122	122	122	122

MULLION DESIGN LOAD CAPACITY - PSF									
WITH OR WITHOUT INTERMEDIATE HORIZONTALS									
NOMINAL DIMS.		MULLION 'MA.1' CAPTURED		MULLION 'MA.1' SSG		MULLION 'MB.1'		MULLION 'MC.1'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	124 1/4	140	140	140	140	174	174	140	140
36		140	140	140	140	174	174	140	140
42		140	140	140	140	174	174	140	140
48		140	140	140	140	174	174	140	140
50 5/16		140	140	140	140	174	174	140	140
55 1/4		140	140	140	140	-	-	140	140
60	126	-	-	65	65	-	-	-	-
30		140	140	140	140	140	140	140	140
36		140	140	140	140	140	140	140	140
42		140	140	140	140	140	140	140	140
48		140	140	140	140	140	140	140	140
55 1/4	132	140	140	140	140	-	-	140	140
60		-	-	65	65	-	-	-	-
30		140	140	140	140	174	174	140	140
36		140	140	140	140	140	140	140	140
42		140	140	140	140	140	140	140	140
48	138	140	140	140	140	140	140	140	140
52		140	140	140	140	-	-	140	140
54		-	-	65	65	-	-	-	-
60		-	-	65	65	-	-	-	-
30		140	140	140	140	140	140	140	140
36	143	140	140	140	140	140	140	140	140
42		140	140	140	140	140	140	140	140
48		140	140	140	140	140	140	140	140
52		139	139	139	139	-	-	139	139
54		-	-	65	65	-	-	-	-
60	65 1/2	-	-	65	65	-	-	-	-
65 1/2		-	-	65	65	-	-	-	-

	MULLION 'MA.1'		MULLION 'MB.1'		MULLION 'MC.1'		MULLION 'MC.1'		MULLION 'MC.1'	
	lx IN^4	Sx IN^3	lx IN^4	Sx IN^3	lx IN^4	Sx IN^3	lx IN^4	Sx IN^3	lx IN^4	Sx IN^3
ALUMINUM	21.88	5.83	20.3192	5.532	23.4134	6.27	21.9493	6.1358	21.9521	6.1361
STEEL	11.4427	3.5208	11.4427	3.5208	11.4427	3.5208	11.4427	3.5208	11.4427	3.5208
TOTAL lx ALUM + lx STL X 2.9	55.0638	-	53.503	-	56.5972	-	55.1331	-	55.1359	-

APPLY TO
CAPTURED
SSG
MULLIONS
1X REINF.

W1W2

UNIT HEIGHT

MULLION UNDER ANALYSIS SEE TABLE

INTERMEDIATE HORIZONTAL OPTIONAL

LEGEND

W1: WIDTH OF UNIT LEFT TO THE ANALYZED MULLION
W2: WIDTH OF UNIT RIGHT TO THE ANALYZED MULLION
W: TRIBUTARY WIDTH OF ANALYZED MULLION TO BE USED IN THE TABLE ON THE LEFT

W = (W1 + W2) / 2

MULLION CAPACITY TABLE

CAPTURED OR SSG

WITH OR WITHOUT INTERMEDIATE HORIZONTALS

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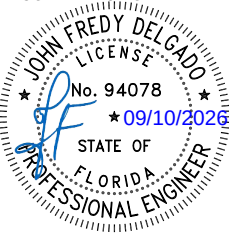
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PROJECT
ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG		
No.	Date:	Revision:
R1	04/25/2025	UPDATE

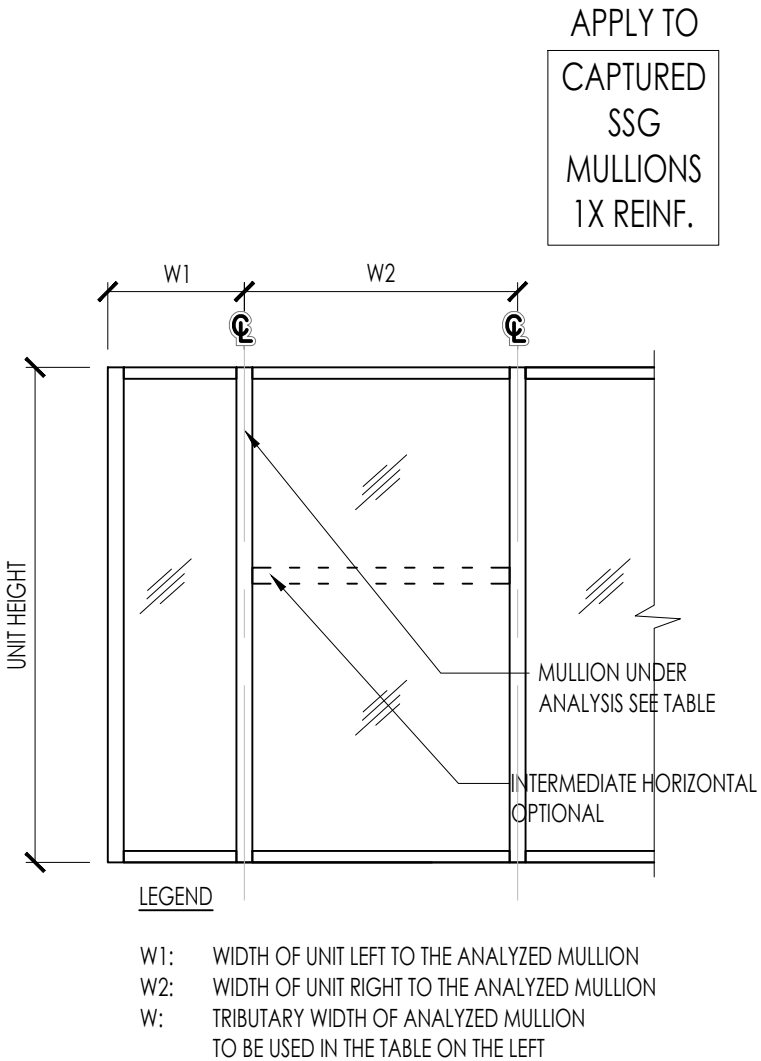
ENGINEER:
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TECHNICAL INC.**
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111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

CHECKED FOR STRUCTURAL
COMPLIANCE ONLY. BY:

JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE 6"=1'-0"	
PAGE 37 OF 57		

MULLION DESIGN LOAD CAPACITY - PSF									
WITH OR WITHOUT INTERMEDIATE HORIZONTALS									
NOMINAL DIMS.		MULLION 'MA.1' CAPTURED		MULLION 'MA.1' SSG		MULLION 'MB.1'		MULLION 'MC.1'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	150	-	-	65	65	-	-	-	-
36		-	-	65	65	-	-	-	-
42		-	-	65	65	-	-	-	-
48		-	-	65	65	-	-	-	-
54		-	-	65	65	-	-	-	-
60		-	-	65	65	-	-	-	-
65 1/2		-	-	65	65	-	-	-	-
30	156	-	-	65	65	-	-	-	-
36		-	-	65	65	-	-	-	-
42		-	-	65	65	-	-	-	-
48		-	-	65	65	-	-	-	-
54		-	-	65	65	-	-	-	-
60		-	-	65	65	-	-	-	-
65 1/2		-	-	65	65	-	-	-	-
30	162	-	-	65	65	-	-	-	-
36		-	-	65	65	-	-	-	-
42		-	-	65	65	-	-	-	-
48		-	-	65	65	-	-	-	-
54		-	-	65	65	-	-	-	-
60		-	-	65	65	-	-	-	-
65 1/2		-	-	65	65	-	-	-	-
30	168	-	-	65	65	-	-	-	-
36		-	-	65	65	-	-	-	-
42		-	-	65	65	-	-	-	-
48		-	-	65	65	-	-	-	-
54		-	-	65	65	-	-	-	-
60		-	-	65	65	-	-	-	-
65 1/2		-	-	65	65	-	-	-	-
30	174	-	-	65	65	-	-	-	-
36		-	-	65	65	-	-	-	-
42		-	-	65	65	-	-	-	-
48		-	-	65	65	-	-	-	-
54		-	-	65	65	-	-	-	-
60		-	-	65	65	-	-	-	-
65 1/2		-	-	65	65	-	-	-	-
30	180	-	-	65	65	-	-	-	-
36		-	-	65	65	-	-	-	-
42		-	-	65	65	-	-	-	-
48		-	-	65	65	-	-	-	-
54		-	-	65	65	-	-	-	-
60		-	-	65	65	-	-	-	-
65 1/2		-	-	65	65	-	-	-	-
30	186	-	-	65	65	-	-	-	-
36		-	-	65	65	-	-	-	-
42		-	-	65	65	-	-	-	-
48		-	-	65	65	-	-	-	-
54		-	-	65	65	-	-	-	-
60		-	-	65	65	-	-	-	-
65 1/2		-	-	65	65	-	-	-	-

MULLION DESIGN LOAD CAPACITY - PSF									
WITH OR WITHOUT INTERMEDIATE HORIZONTALS									
NOMINAL DIMS.		MULLION 'MA.1' CAPTURED		MULLION 'MA.1' SSG		MULLION 'MB.1'		MULLION 'MC.1'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	190	-	-	65	65	-	-	-	-
36		-	-	65	65	-	-	-	-
42		-	-	65	65	-	-	-	-
48		-	-	65	65	-	-	-	-
54		-	-	65	65	-	-	-	-
60		-	-	65	65	-	-	-	-
65 1/2		-	-	65	65	-	-	-	-



W = (W1 + W2) / 2

MULLION CAPACITY TABLE
CAPTURED OR SSG
WITH OR WITHOUT INTERMEDIATE
HORIZONTALS

	MULLION 'MA.1'				MULLION 'MB.1'		MULLION 'MC.1'			
	CAPTURED		SSG		Ix IN^4	Sx IN^3	SSG		Ix IN^4	Sx IN^3
ALUMINUM	21.88	5.83	20.3192	5.532	23.4134	6.27	21.9493	6.1358	21.9521	6.1361
STEEL	11.4427	3.5208	11.4427	3.5208	11.4427	3.5208	11.4427	3.5208	11.4427	3.5208
TOTAL 1x ALUM + 1x STL X 2.9	55.0638	-	53.503	-	56.5972	-	55.1331	-	55.1359	-

E.S.
WINDOWS, LLC

3550 N.W. 49 STREET
MIAMI, FL 33142
TEL. (305) 638-5151
FAX. (305) 638-5158

ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISSILE IMPACT

FL #44674.2

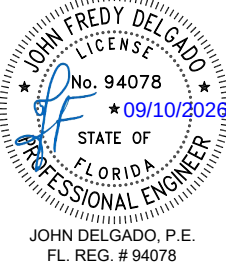
DRAWING REVISION LOG

No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:
**DEERFIELD
TECHNICAL INC.**
CA# 36112

111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

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COMPLIANCE ONLY. BY:

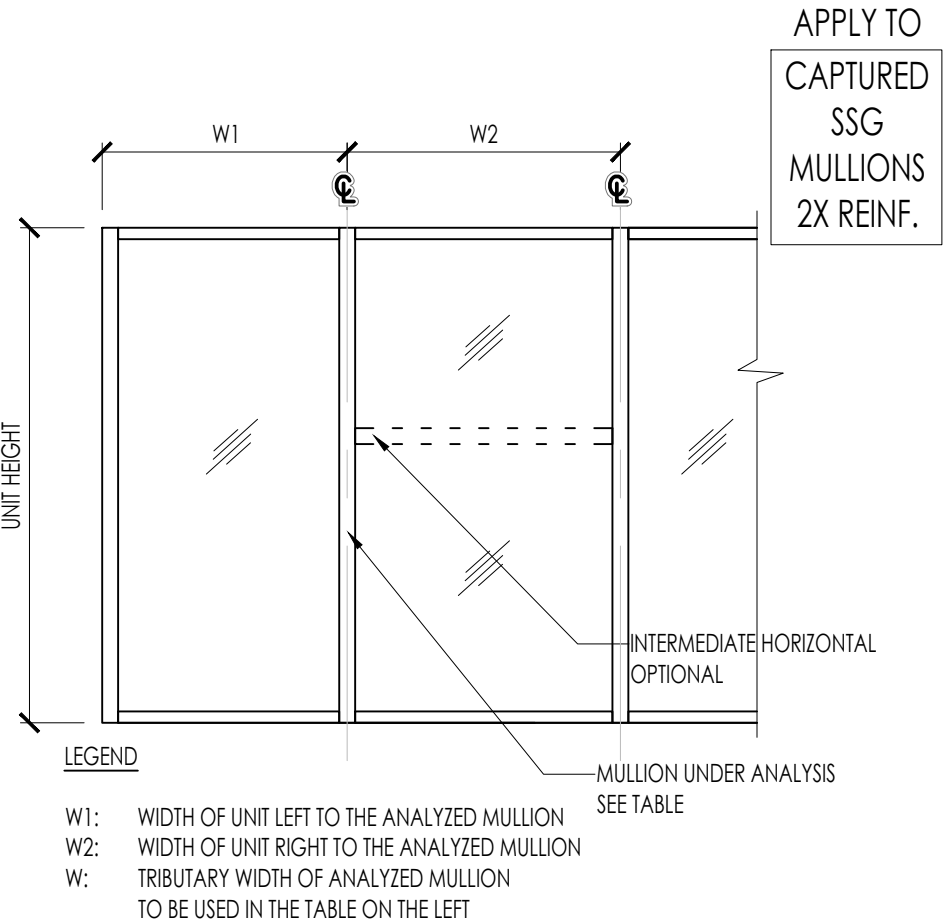


JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE 6"=1'-0"	
PAGE 37.1 OF 57		

MULLION DESIGN LOAD CAPACITY - PSF							
WITH OR WITHOUT INTERMEDIATE HORIZONTALS							
NOMINAL DIMS.		MULLION 'MA.2' CAPTURED		MULLION 'MA.2' SSG		MULLION 'MC.2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	96	150	150	150	150	150	150
36		150	150	150	150	150	150
42		150	150	150	150	150	150
48		150	150	150	150	150	150
54		150	150	150	150	150	150
60		150	150	150	150	150	150
66		-	-	150	150	150	150
72		-	-	150	150	150	150
30	102	150	150	150	150	150	150
36		150	150	150	150	150	150
42		150	150	150	150	150	150
48		150	150	150	150	150	150
54		150	150	150	150	150	150
60		150	150	150	150	150	150
66		-	-	150	150	150	150
72		-	-	150	150	150	150
30	108	150	150	150	150	150	150
36		150	150	150	150	150	150
42		150	150	150	150	150	150
48		150	150	150	150	150	150
54		150	150	150	150	150	150
60		150	150	150	150	150	150
66		-	-	150	150	150	150
72		-	-	150	150	150	150
30	114	150	150	150	150	150	150
36		150	150	150	150	150	150
42		150	150	150	150	150	150
48		150	150	150	150	150	150
54		150	150	150	150	150	150
60		150	150	150	150	150	150
66		-	-	150	150	150	150
72		-	-	150	150	150	150
30	120	150	150	150	150	150	150
36		150	150	150	150	150	150
42		150	150	150	150	150	150
48		150	150	150	150	150	150
54		150	150	150	150	150	150
60		150	150	150	150	150	150
66		-	-	150	150	150	150
72		-	-	150	150	150	150
30	126	150	150	150	150	150	150
36		150	150	150	150	150	150
42		150	150	150	150	150	150
48		150	150	150	150	150	150
54		150	150	150	150	150	150
60		150	132	92	102	92	102
66		-	-	92	93	92	93
72		-	-	150	150	150	150

MULLION DESIGN LOAD CAPACITY - PSF							
WITH OR WITHOUT INTERMEDIATE HORIZONTALS							
NOMINAL DIMS.		MULLION 'MA.2' CAPTURED		MULLION 'MA.2' SSG		MULLION 'MC.2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	132	150	150	150	150	150	150
36		150	150	150	150	150	150
42		150	150	150	150	150	150
48		150	150	150	150	150	150
54		150	150	150	150	150	150
60		150	132	150	132	150	132
66		-	-	92	102	92	102
72		-	-	92	93	92	93
36	138	150	150	150	150	150	150
42		150	150	150	150	150	150
48		150	150	150	150	150	150
54		150	150	150	150	150	150
60		150	150	150	150	150	150
66		-	-	92	102	92	102
72		-	-	92	93	92	93
30	144	150	150	150	150	150	150
36		150	150	150	150	150	150
42		150	150	150	150	150	150
48		150	150	150	150	150	150
54		150	150	150	150	150	150
60		150	150	150	150	150	150
66		-	-	92	102	92	102
72		-	-	92	92	92	92
30	150	150	150	150	150	150	150
36		150	150	150	150	150	150
42		150	150	150	150	150	150
48		150	150	150	150	150	150
54		150	150	150	150	150	150
60		150	150	150	150	150	150
66		-	-	92	102	92	102
72		-	-	92	93	92	93



MULLION CAPACITY TABLE
CAPTURED OR SSG
WITH OR WITHOUT INTERMEDIATE
HORIZONTALS

	MULLION 'MA.2'		MULLION 'MB.2'		MULLION 'MC.2'		MULLION 'MC.2'		MULLION 'MC.2'	
	1x IN^4	Sx IN^3	1x IN^4	Sx IN^3	1x IN^4	Sx IN^3	1x IN^4	Sx IN^3	1x IN^4	Sx IN^3
ALUMINUM	21.88	5.83	20.3192	5.532	23.4134	6.27	21.9493	6.1358	21.9521	6.1361
STEEL	22.8854	7.0417	22.8854	7.0417	22.8854	7.0417	22.8854	7.0417	22.8854	7.0417
TOTAL 1x ALUM + 1x STL X 2.9	88.2476	-	86.6869	-	89.7811	-	88.3169	-	88.3197	-

E.S.
WINDOWS, LLC

3550 N.W. 49 STREET
MIAMI, FL 33142
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PROJECT
ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG		
No.	Date:	Revision:
R1	04/25/2025	UPDATE

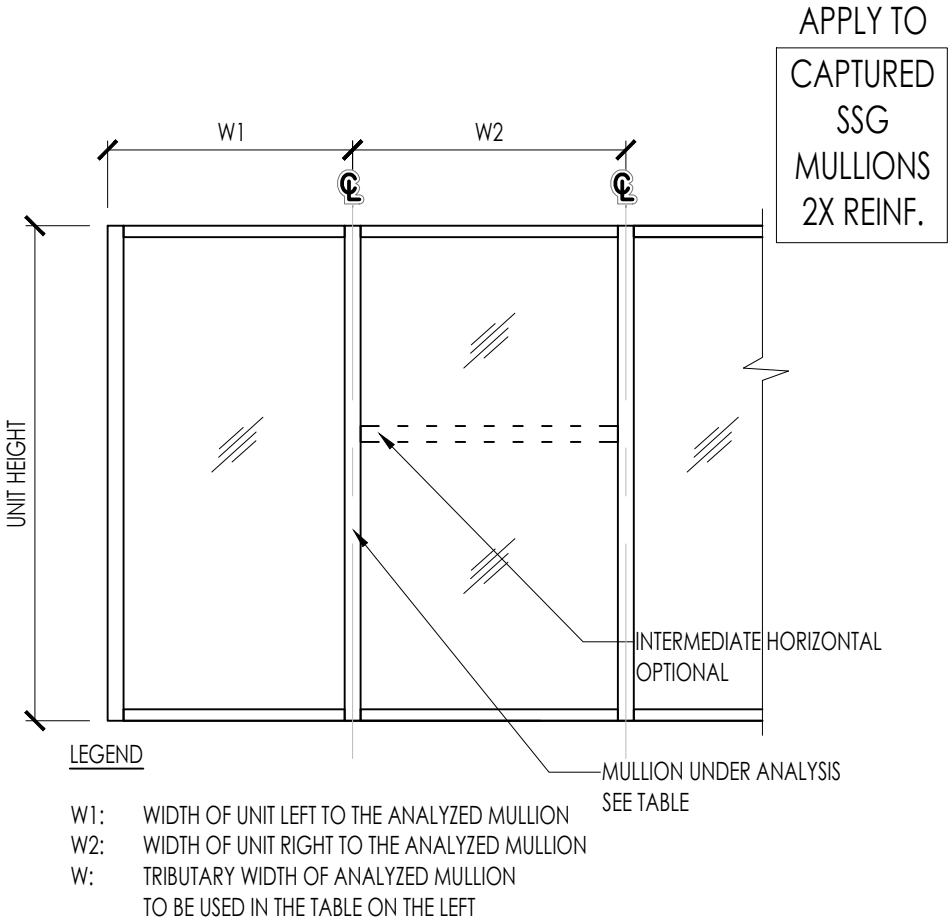
ENGINEER:
DEERFIELD
TECHNICAL INC.
CA# 36112
111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

CHECKED FOR STRUCTURAL
COMPLIANCE ONLY. BY:
JOHN FREDY DELGADO
LICENSE
No. 94078
09/10/2026
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE 6"=1'-0"	
PAGE 38 OF 57		

MULLION DESIGN LOAD CAPACITY - PSF							
WITH OR WITHOUT INTERMEDIATE HORIZONTALS							
NOMINAL DIMS.		MULLION 'MA.2' CAPTURED		MULLION 'MA.2' SSG		MULLION 'MC.2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	156	150	150	150	150	150	150
36		150	150	150	150	150	150
42		150	150	150	150	150	150
48		150	150	150	150	150	150
54		150	150	150	150	150	150
60		150	150	150	150	150	150
66		-	-	92	102	92	102
72		-	-	92	93	92	93
30	162	150	150	150	150	150	150
36		150	150	150	150	150	150
42		150	150	150	150	150	150
48		150	150	150	150	150	150
54		150	150	150	150	150	150
60		150	150	150	150	150	150
66		-	-	102	102	102	102
72		-	-	102	102	102	102
30	168	150	150	150	150	150	150
36		150	150	150	150	150	150
42		150	150	150	150	150	150
48		150	150	150	150	150	150
54		150	150	150	150	150	150
58		150	150	150	150	150	150
66		-	-	102	102	102	102
72		-	-	102	102	102	102
30	174	150	150	150	150	150	150
36		150	150	150	150	150	150
42		150	150	150	150	150	150
48		150	150	150	150	150	150
56		150	150	150	150	150	150
60		92	92	92	92	92	92
66		-	-	92	92	92	92
72		-	-	92	92	92	92
30	180	150	150	150	150	150	150
36		150	150	150	150	150	150
42		150	150	150	150	150	150
48		150	150	150	150	150	150
54		150	150	150	150	150	150
60		92	92	92	92	92	92
66		-	-	92	92	92	92
30	186	150	150	150	150	150	150
36		150	150	150	150	150	150
42		150	150	150	150	150	150
48		150	150	150	150	150	150
54		92	92	92	92	92	92
60		92	92	92	92	92	92
66		-	-	92	92	92	92

MULLION DESIGN LOAD CAPACITY - PSF							
WITH OR WITHOUT INTERMEDIATE HORIZONTALS							
NOMINAL DIMS.		MULLION 'MA.2' CAPTURED		MULLION 'MA.2' SSG		MULLION 'MC.2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	192	114	140	114	140	114	140
36		114	140	114	140	114	140
42		114	137	114	137	114	137
48		114	122	114	122	114	122
53 1/2		92	92	92	92	92	92
54		92	92	92	92	92	92
60		-	-	92	92	92	92
66		-	-	92	92	92	92
30	193	114	140	114	140	114	140
36		114	140	114	140	114	140
42		114	137	114	137	114	137
48		114	122	114	122	114	122
53 1/2		115	115	115	115	115	115
54		92	92	92	92	92	92
60		92	92	92	92	92	92
66		-	-	92	92	92	92
30	198	114	130	114	130	114	130
36		114	130	114	130	114	130
42		114	128	114	128	114	128
48		114	114	114	114	114	114
54		92	92	92	92	92	92
60		92	92	92	92	92	92
66		-	-	92	92	92	92
30	204	114	130	114	130	114	130
36		114	130	114	130	114	130
42		114	128	114	128	114	128
48		114	114	114	114	114	114
54		91	92	91	92	91	92
60		92	92	92	92	92	92
66		-	-	92	92	92	92



MULLION CAPACITY TABLE
CAPTURED OR SSG
WITH OR WITHOUT INTERMEDIATE
HORIZONTALS

	MULLION 'MA.2'		MULLION 'MB.2'		MULLION 'MC.2'		MULLION 'MC.2'		MULLION 'MC.2'	
	lx IN^4	Sx IN^3	lx IN^4	Sx IN^3	lx IN^4	Sx IN^3	lx IN^4	Sx IN^3	lx IN^4	Sx IN^3
ALUMINUM	21.88	5.83	20.3192	5.532	23.4134	6.27	21.9493	6.1358	21.9521	6.1361
STEEL	22.8854	7.0417	22.8854	7.0417	22.8854	7.0417	22.8854	7.0417	22.8854	7.0417
TOTAL lx ALUM + lx STL X 2.9	88.2476	-	86.6869	-	89.7811	-	88.3169	-	88.3197	-

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ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG

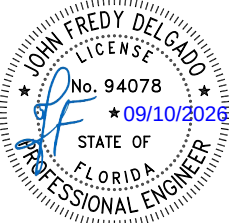
No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:

DEERFIELD
TECHNICAL INC.
CA# 36112

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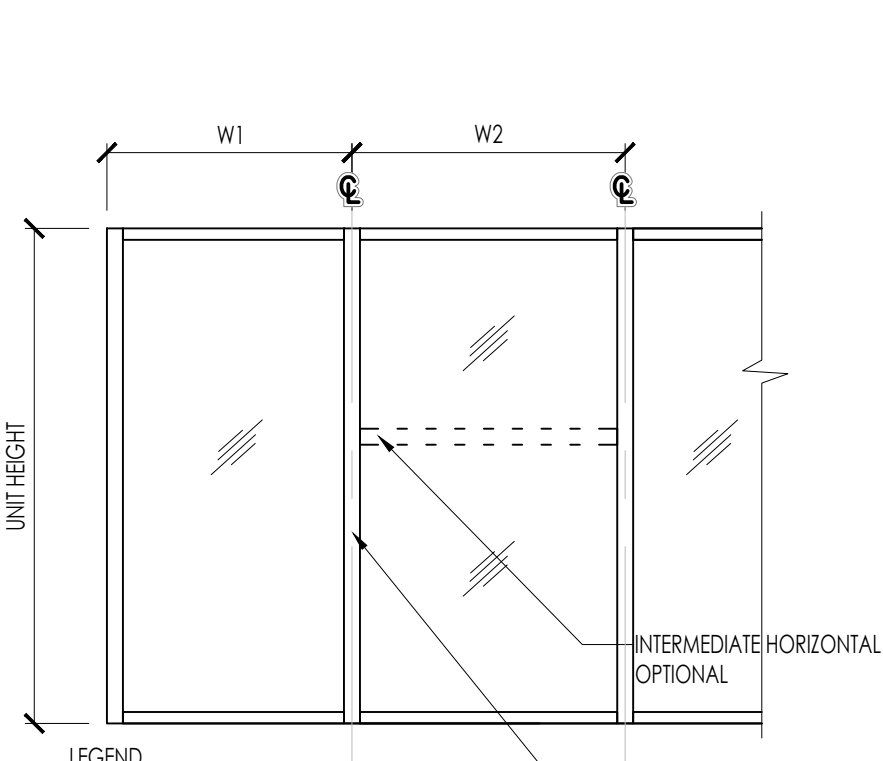
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JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE 6"=1'-0"	
PAGE 38.1 OF 57		

MULLION DESIGN LOAD CAPACITY - PSF							
WITH OR WITHOUT INTERMEDIATE HORIZONTALS							
NOMINAL DIMS.		MULLION 'MA.2' CAPTURED		MULLION 'MA.2' SSG		MULLION 'MC.2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	210	92	92	92	92	92	92
36		92	92	92	92	92	92
42		92	92	92	92	92	92
48		92	92	92	92	92	92
54		92	92	92	92	92	92
60		87	87	87	87	87	87
30	213	92	92	92	92	92	92
36		92	92	92	92	92	92
42		92	92	92	92	92	92
48		92	92	92	92	92	92
54		92	92	92	92	92	92
60		84	84	84	84	84	84



LEGEND

W1: WIDTH OF UNIT LEFT TO THE ANALYZED MULLION
W2: WIDTH OF UNIT RIGHT TO THE ANALYZED MULLION
W: TRIBUTARY WIDTH OF ANALYZED MULLION TO BE USED IN THE TABLE ON THE LEFT

W = (W1 + W2) / 2

MULLION CAPACITY TABLE
CAPTURED OR SSG
WITH OR WITHOUT INTERMEDIATE
HORIZONTALS

	MULLION 'MA.2'		MULLION 'MB.2'		MULLION 'MC.2'		MULLION 'MC.2'		MULLION 'MC.2'	
	ix IN^4	Sx IN^3	ix IN^4	Sx IN^3	ix IN^4	Sx IN^3	ix IN^4	Sx IN^3	ix IN^4	Sx IN^3
ALUMINUM	21.88	5.83	20.3192	5.532	23.4134	6.27	21.9493	6.1358	21.9521	6.1361
STEEL	22.8854	7.0417	22.8854	7.0417	22.8854	7.0417	22.8854	7.0417	22.8854	7.0417
TOTAL ix ALUM + ix STL X 2.9	88.2476	-	86.6869	-	89.7811	-	88.3169	-	88.3197	-

APPLY TO
CAPTURED
SSG
MULLIONS
2X REINF.

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WINDOW WALL SYSTEM
SMALL MISSILE IMPACT

FL #44674.2

DRAWING REVISION LOG

No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:

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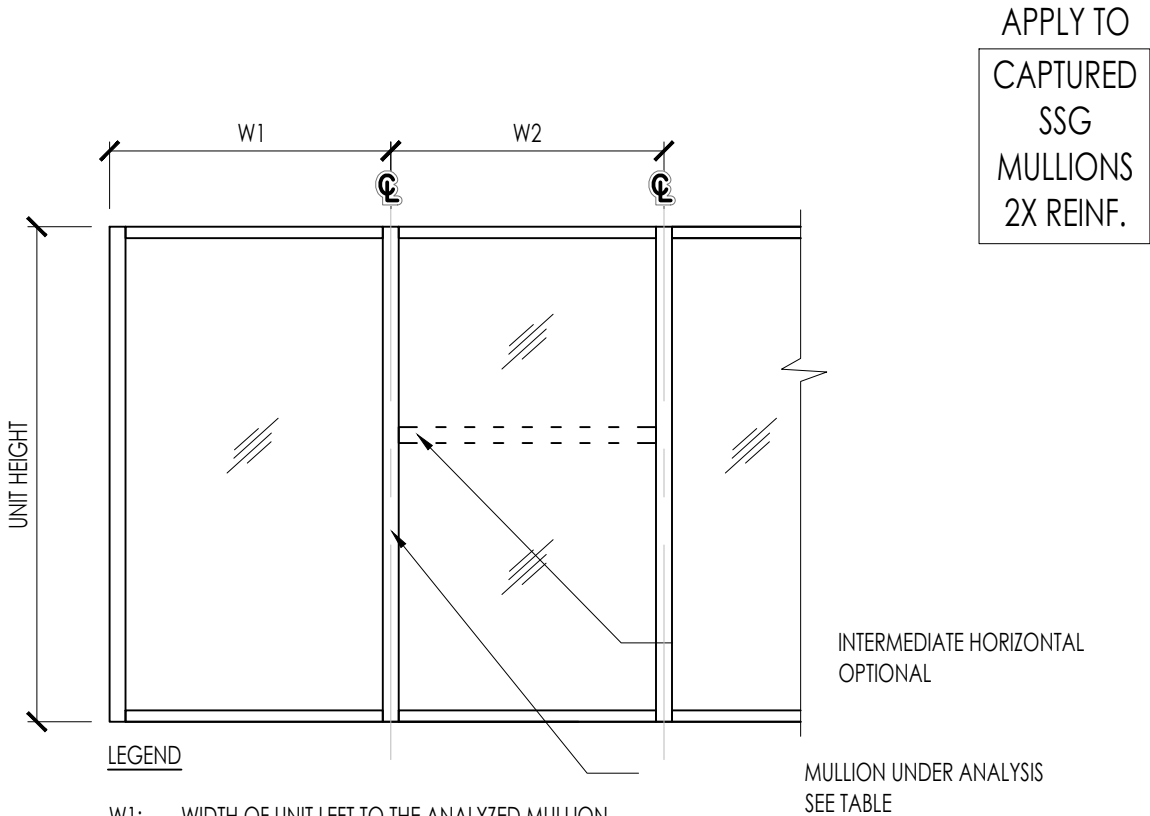
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LICENSE
No. 94078
09/10/2026
STATE OF
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PROFESSIONAL ENGINEER
JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE 6"=1'-0"	
PAGE 38.2 OF 57		

MULLION DESIGN LOAD CAPACITY - PSF			
WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		MULLION 'MB.2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
42	96	189	189
48		189	189
54		189	189
60		189	189
66		189	189
72		189	189
80		111	111
42	102	189	189
48		189	189
54		189	189
60		189	189
66		189	189
72		189	189
80		111	111
42	108	189	189
48		189	189
54		189	189
60		189	189
66		189	189
72		111	111
80		111	111
42	114	189	189
48		189	189
54		189	189
60		189	189
66		111	111
72		111	111
80		111	111
42	120	189	189
48		189	189
54		189	189
60		189	189
66		111	111
72		111	111
80		111	111
42	126	189	189
48		189	189
54		189	189
66		111	111
72		111	111
80		111	111

MULLION DESIGN LOAD CAPACITY - PSF			
WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		MULLION 'MB.2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
42	132	189	189
48		189	189
54		189	189
60		111	111
66		111	111
72		111	111
80		111	111
42	138	189	189
48		189	189
54		189	189
60		111	111
66		111	111
72		111	111
80		111	111
42	144	189	189
48		189	189
52		189	189
60		111	111
66		111	111
72		111	111
80		111	111
42	152	189	189
48		189	189
54		111	111
60		111	111
66		111	111
72		111	111
80		111	111



MULLION CAPACITY TABLE
CAPTURED OR SSG
WITH OR WITHOUT INTERMEDIATE
HORIZONTALS

	MULLION 'MA.2'		MULLION 'MB.2'		MULLION 'MC.2'		MULLION 'MC.2'		MULLION 'MC.2'	
	lx IN^4	Sx IN^3	lx IN^4	Sx IN^3	lx IN^4	Sx IN^3	lx IN^4	Sx IN^3	lx IN^4	Sx IN^3
ALUMINUM	21.88	5.83	20.3192	5.532	23.4134	6.27	21.9493	6.1358	21.9521	6.1361
STEEL	22.8854	7.0417	22.8854	7.0417	22.8854	7.0417	22.8854	7.0417	22.8854	7.0417
TOTAL lx ALUM + lx STL X 2.9	88.2476	-	86.6869	-	89.7811	-	88.3169	-	88.3197	-

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ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG

No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:
**DEERFIELD
TECHNICAL INC.**
CA# 36112

111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

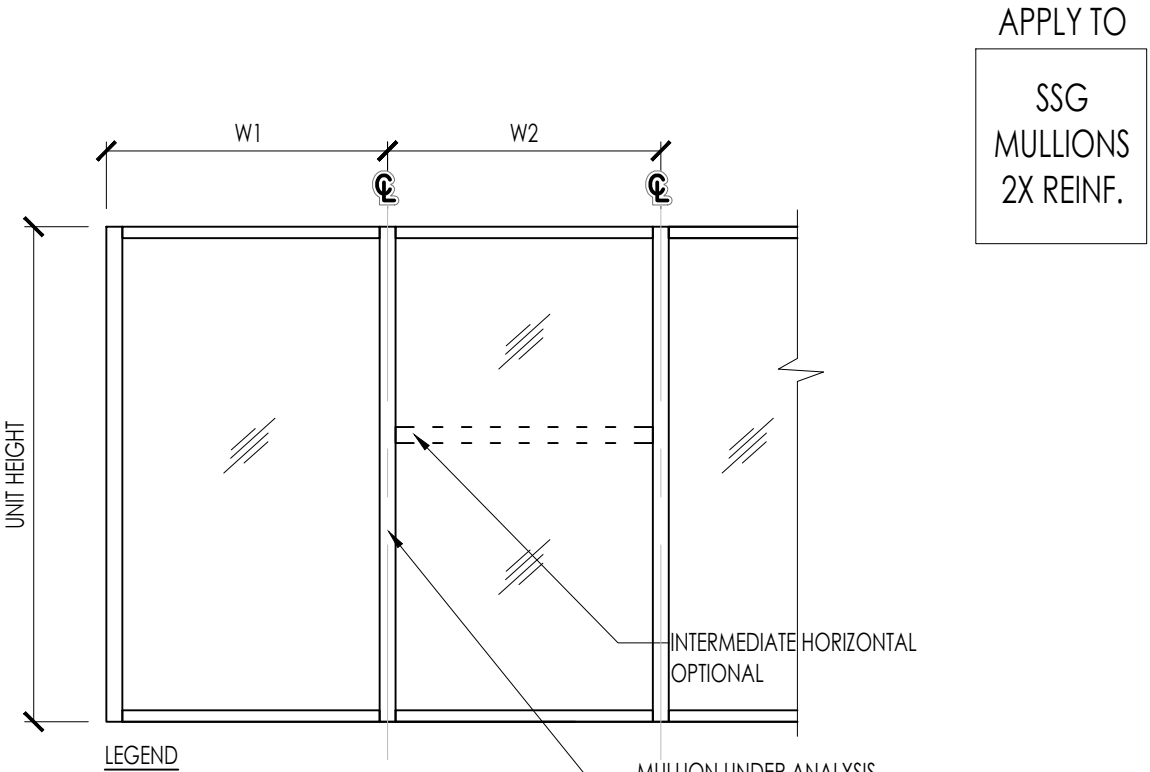
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JOHN FREDY DELGADO
LICENSE
No. 94078
★ 09/10/2026 ★
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE 6"=1'-0"	
PAGE 39 OF 57		

MULLION DESIGN LOAD CAPACITY - PSF					
WITH OR WITHOUT INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		MULLION 'MD.2'		MULLION 'ME.2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
65	152	174	174	174	174
72		174	174	-	-
80		174	174	-	-



MULLION CAPACITY TABLE

SSG

WITH OR WITHOUT INTERMEDIATE
HORIZONTALS

	MULLION 'MD.2'		MULLION 'ME.2'							
	Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3
ALUMINUM	30.2432	8.4651	25.2895	7.0586	25.2893	7.0583	26.9028	7.5423	26.9052	7.5426
STEEL	22.8854	7.0417	22.8854	7.0417	22.8854	7.0417	22.8854	7.0417	22.8854	7.0417
TOTAL Ix ALUM + Ix STL X 2.9	96.611	-	91.6572	-	91.6569	-	93.2704	-	93.2728	-

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PROJECT

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R1	04/25/2025	UPDATE

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PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE 6"=1'-0"	
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MULLION DESIGN LOAD CAPACITY - PSF									
WITH OR WITHOUT INTERMEDIATE HORIZONTALS									
NOMINAL DIMS.		MULLION 'MG.0'		MULLION 'MH.0'		MULLION 'MI.0'		MULLION 'MG.2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
51	152	111	111	111	111	93	93	174	174
77		-	-	-	-	93	93	-	-

APPLY TO

SSG
MULLIONS
NO REINF.
2X REINF.

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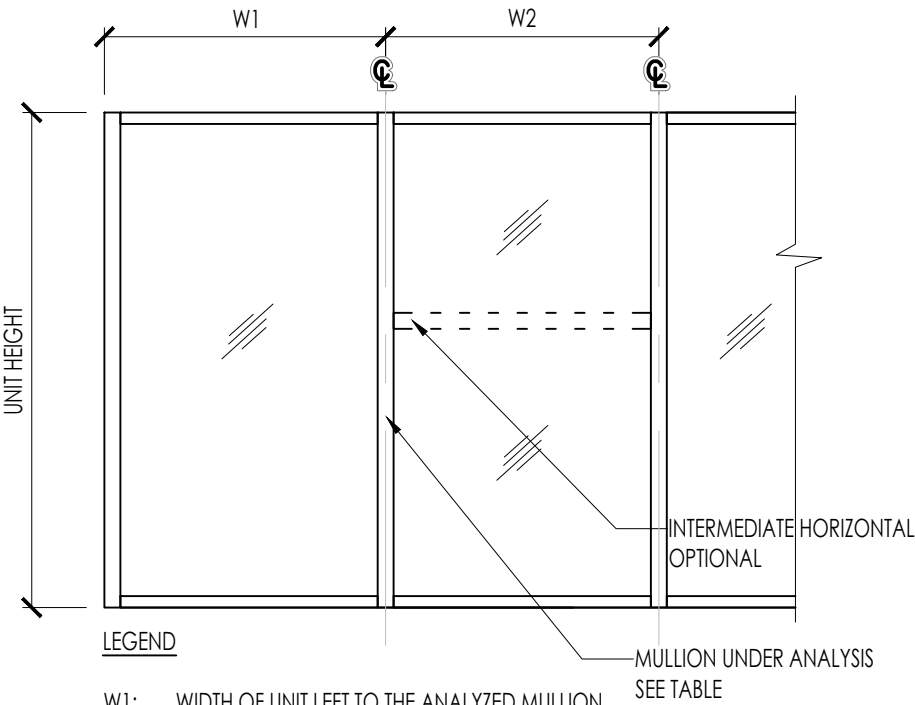
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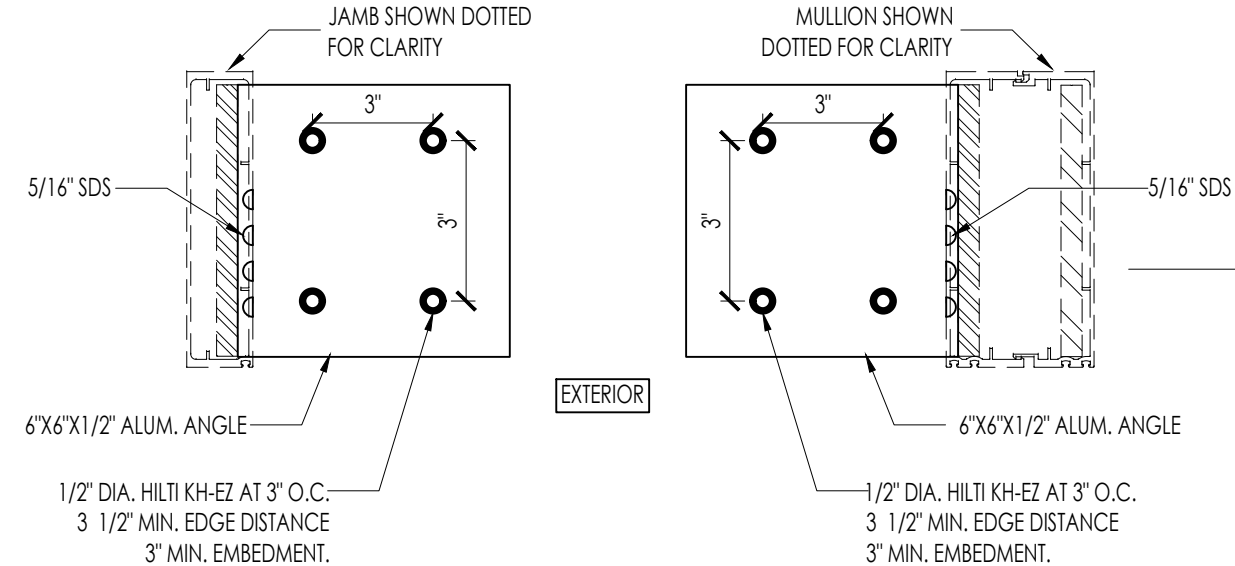
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DWG NUMBER DT-PA-ESW-002	SCALE 6"=1'-0"	
PAGE 41 OF 57		



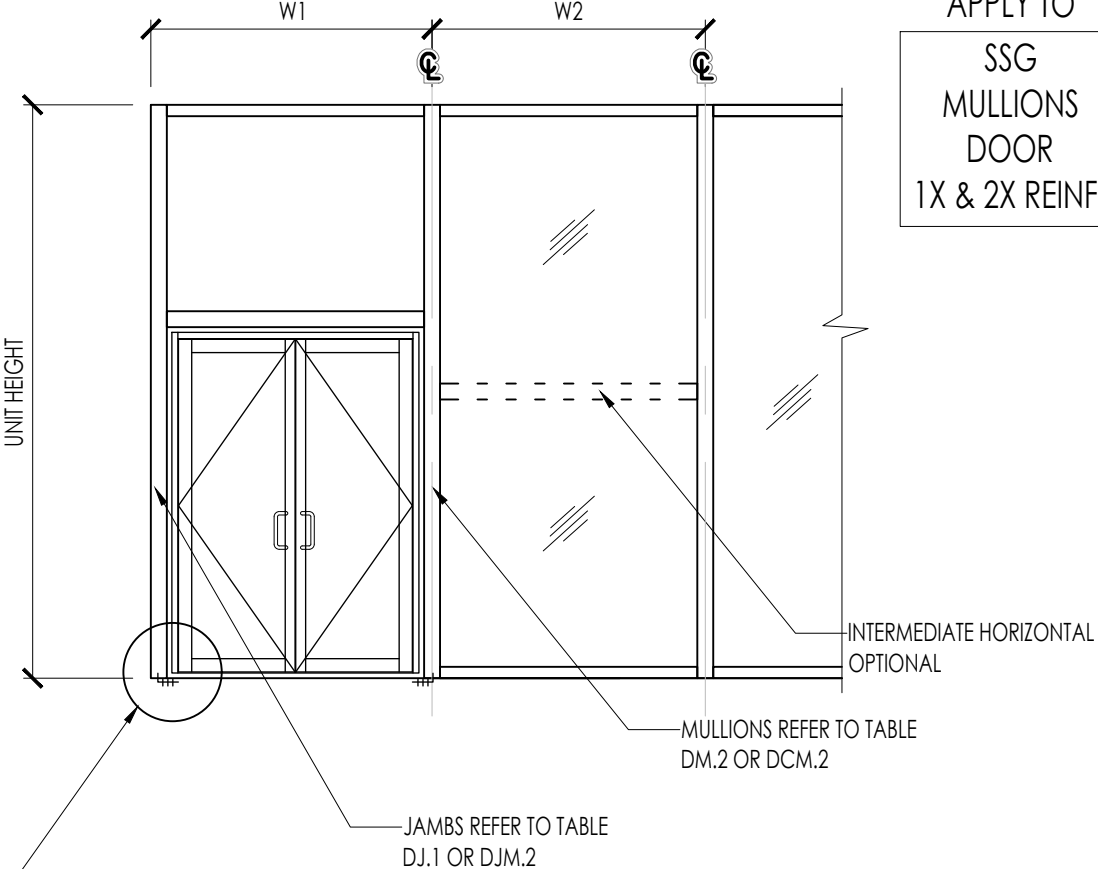
MULLION CAPACITY TABLE
SSG
WITH OR WITHOUT INTERMEDIATE
HORIZONTALS

CORNER MULL MG.0	CORNER MULL MH.0	CORNER MULL MI.0	CORNER MULL MG.2

DOOR MULLION DESIGN LOAD CAPACITY - PSF									
WITH OR WITHOUT INTERMEDIATE HORIZONTALS									
NOMINAL DIMS.		MULLION 'DJ.1'		MULLION 'DJM.2'		MULLION 'DM.2'		MULLION 'DCM.2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
88	152	111	111	174	174	111	111	174	174
96		111	111	174	174	111	111	-	-
102		111	111	174	174	-	-	-	-
113		-	-	174	174	-	-	-	-



*THIS CLIP COVERS CONDITIONS UP TO PRESSURES SHOWN ON THE TABLE ABOVE, FOR PRESSURES LOWER THAN THOSE SHOWN, A FLORIDA REGISTERED PROFESSIONAL ENGINEER MAY DESIGN A DIFFERENT CLIP ACCORDING TO A SPECIFIC PROJECT REQUIREMENT.



	JAMB 'DJ.1'		MULLION 'DJM.2'		MULLION 'DM.2'		CORNER MULL DCM.2
	Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3	
ALUMINUM	11.5878	3.281	20.3192	5.532	20.3192	5.532	
STEEL	11.4427	3.5208	22.8854	7.0417	22.8854	7.0417	
TOTAL Ix ALUM + Ix STL X 2.9	44.7716		86.6869	-	86.6869	-	

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WINDOW WALL SYSTEM
SMALL MISILE IMPACT

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DWG NUMBER DT-PA-ESW-002	SCALE 6"=1'-0"	
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ANCHOR DESIGN LOAD CAPACITY - PSF EXT.(+) & INT. (-)							
NOMINAL DIMS.		ANCHOR TYPE 'A'			ANCHOR TYPE 'B'		
HEIGHT	WIDTH	A3	A4	A5	B3	B4	B5
120	30	189	189	189	189	189	189
	36	189	189	189	189	189	189
	42	176	189	189	189	189	189
	48	154	189	189	189	189	189
	54	137	183	189	189	189	189
	60	123	164	189	189	189	189
	66	112	149	187	189	189	189
	72	103	137	171	189	189	189
	74	100	133	166	189	189	189
126	30	189	189	189	189	189	189
	36	189	189	189	189	189	189
	42	168	189	189	189	189	189
	48	147	189	189	189	189	189
	54	130	174	189	189	189	189
	60	117	156	189	189	189	189
	66	107	142	178	189	189	189
	72	98	130	163	189	189	189
	74	95	126	158	189	189	189
132	30	189	189	189	189	189	189
	36	187	189	189	189	189	189
	42	160	189	189	189	189	189
	48	140	187	189	189	189	189
	54	124	166	189	189	189	189
	60	112	149	187	189	189	189
	66	102	136	170	189	189	189
	72	93	124	156	189	189	189
	74	91	121	151	189	189	189
136	30	189	189	189	189	189	189
	36	181	189	189	189	189	189
	42	155	189	189	189	189	189
	48	136	181	189	189	189	189
	54	121	161	189	189	189	189
	60	109	145	181	189	189	189
	66	99	132	165	189	189	189
	72	91	121	151	189	189	189
	74	88	117	146	189	189	189
144	30	189	189	189	189	189	189
	36	171	189	189	189	189	189
	42	147	189	189	189	189	189
	48	128	171	189	189	189	189
	54	114	152	189	189	189	189
	60	103	137	171	189	189	189
	66	93	124	156	189	189	189
	72	86	114	143	189	189	189
	74	83	111	138	189	189	189

ANCHOR DESIGN LOAD CAPACITY - PSF EXT.(+) & INT. (-)							
NOMINAL DIMS.		ANCHOR TYPE 'A'			ANCHOR TYPE 'B'		
HEIGHT	WIDTH	A3	A4	A5	B3	B4	B5
150	30	189	189	189	189	189	189
	36	164	189	189	189	189	189
	42	141	188	189	189	189	189
	48	123	164	189	189	189	189
	54	110	146	183	189	189	189
	60	99	131	164	189	189	189
	66	90	119	149	189	189	189
	72	82	110	137	189	189	189
	74	80	106	133	189	189	189
156	30	189	189	189	189	189	189
	36	158	189	189	189	189	189
	42	135	181	189	189	189	189
	48	118	158	189	189	189	189
	54	105	140	175	189	189	189
	60	95	126	158	189	189	189
	66	86	115	144	189	189	189
	72	79	105	132	189	189	189
	74	77	102	128	189	189	189
162	30	183	189	189	189	189	189
	36	152	189	189	189	189	189
	42	130	174	189	189	189	189
	48	114	152	189	189	189	189
	54	101	135	169	189	189	189
	60	91	122	152	189	189	189
	66	83	111	138	189	189	189
	72	76	101	127	189	189	189
	74	74	98	123	187	189	189
168	30	176	189	189	189	189	189
	36	147	189	189	189	189	189
	42	126	168	189	189	189	189
	48	110	147	183	189	189	189
	54	98	130	163	189	189	189
	60	88	117	147	189	189	189
	66	80	107	133	189	189	189
	72	73	98	122	186	189	189
	74	71	95	119	180	189	189
174	30	170	189	189	189	189	189
	36	142	189	189	189	189	189
	42	121	162	189	189	189	189
	48	106	142	177	189	189	189
	54	94	126	157	189	189	189
	56	91	121	152	189	189	189
	60	85	113	142	189	189	189
	66	77	103	129	189	189	189
	72	71	94	118	179	189	189
	74	69	92	114	174	189	189

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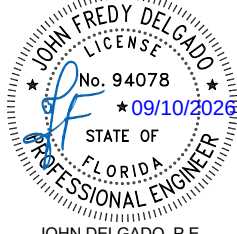
PROJECT
ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG		
No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:
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TECHNICAL INC.**
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PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE 6"=1'-0"	
PAGE 43 OF 57		

ANCHOR DESIGN LOAD CAPACITY - PSF EXT.(+) & INT. (-)							
NOMINAL DIMS.		ANCHOR TYPE 'A'			ANCHOR TYPE 'B'		
HEIGHT	WIDTH	A3	A4	A5	B3	B4	B5
180	30	164	189	189	189	189	189
	36	137	183	189	189	189	189
	42	117	156	189	189	189	189
	48	103	137	171	189	189	189
	54	91	122	152	189	189	189
	56	88	117	147	189	189	189
	60	82	110	137	189	189	189
	66	75	100	124	189	189	189
	72	68	91	114	173	189	189
	74	66	88	111	168	189	189
186	30	159	189	189	189	189	189
	36	132	177	189	189	189	189
	42	114	151	189	189	189	189
	48	99	132	166	189	189	189
	54	88	118	147	189	189	189
	56	85	114	142	189	189	189
	60	79	106	132	189	189	189
	66	72	96	120	183	189	189
	72	66	88	110	168	189	189
	74	64	86	107	163	189	189
192	30	154	189	189	189	189	189
	36	128	171	189	189	189	189
	42	110	147	183	189	189	189
	48	96	128	160	189	189	189
	54	86	114	143	189	189	189
	56	82	110	137	189	189	189
	60	77	103	128	189	189	189
	66	70	93	117	177	189	189
	72	64	86	107	162	189	189
	74	62	83	104	157	189	189
198	30	149	189	189	189	189	189
	36	124	166	189	189	189	189
	42	107	142	178	189	189	189
	48	93	124	156	189	189	189
	54	83	111	138	189	189	189
	56	80	107	133	189	189	189
	60	75	100	124	189	189	189
	66	68	91	113	172	189	189
	72	62	83	104	157	189	189
	74	60	80	101	153	189	189
204	30	145	189	189	189	189	189
	36	121	161	189	189	189	189
	42	104	138	173	189	189	189
	48	91	121	151	189	189	189
	54	81	107	134	189	189	189
	56	78	104	129	189	189	189
	60	72	97	121	183	189	189
	66	66	88	110	167	189	189
	72	60	81	101	153	189	189
	74	59	78	98	148	189	189

ANCHOR DESIGN LOAD CAPACITY - PSF EXT.(+) & INT. (-)							
NOMINAL DIMS.		ANCHOR TYPE 'A'			ANCHOR TYPE 'B'		
HEIGHT	WIDTH	A3	A4	A5	B3	B4	B5
210	30	141	188	189	189	189	189
	36	117	156	189	189	189	189
	42	101	134	168	189	189	189
	48	88	117	147	189	189	189
	54	78	104	130	189	189	189
	56	75	101	126	189	189	189
	60	70	94	117	178	189	189
	66	64	85	107	162	189	189
	72	59	78	98	148	189	189
	74	57	76	95	144	189	189
213	30	139	185	189	189	189	189
	36	116	154	189	189	189	189
	42	99	132	165	189	189	189
	48	87	116	145	189	189	189
	54	77	103	129	189	189	189
	56	74	99	124	188	189	189
	60	69	93	116	176	189	189
	66	63	84	105	160	189	189
	72	58	77	96	146	189	189
	74	56	75	93	142	189	189

ANCHOR
CAPACITY TABLE
FOR CAPTURED & SSG GLASS

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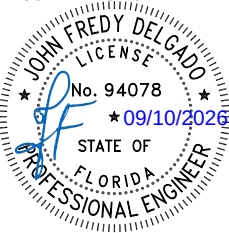
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PROJECT
ES-8860i ALUMINUM
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SMALL MISILE IMPACT

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PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE 6"=1'-0"	
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ANCHOR TYPES AND LAYOUTS
FOR CAPTURED & SSG GLASS

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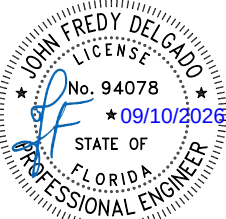
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PAGE 45 OF 57		

ANCHORS TYPES

A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION

A4 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
B4 = (4) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION

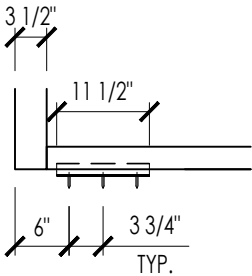
A5 = (5) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
B5 = (5) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION

TYPICAL ANCHORS:

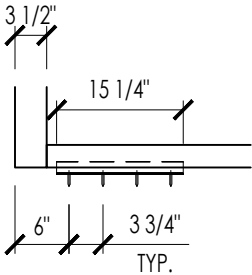
TYPE 'A'	TYPE 'B'
5/16" DIA. ULTRACON BY 'DEWALT' (FU=177 KSI, Fy=155 KSI) 2" MIN. EMBEDDIRECTLY INTO CONCRETE (3500 PSI MIN.) ANCHOR EDGE DISTANCES INTO CONCRETE = 2 1/2" MIN.	5/16" DIA. DRIL-FLEX SELF DILLING SCREWS BY 'DEWALT' (GRADE 5 CRS) INTO METAL STRUCTURES (3) THREADS MIN. PENETRATION BEYOND SUBTRATE ALUMINUM: 1/8" THK. MIN. (FY=25 KSI MIN.) STEEL: 3/16" THK. MIN. (Fy = 36 KSI MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED) ANCHOR EDGE DISTANCES INTO METAL STRUCTURE = 1" MIN.

SEE ELEV. FOR SPACING

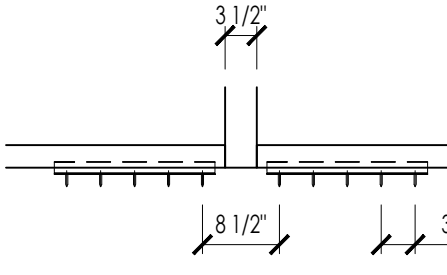
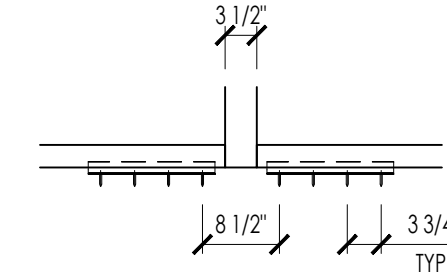
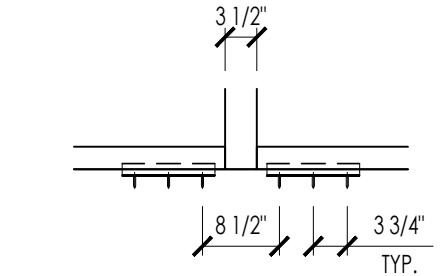
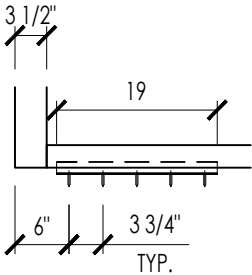
'A3' & 'B3'



'A4' & 'B4'



'A5' & 'B5'



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ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

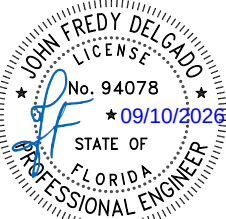
DRAWING REVISION LOG

No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:
**DEERFIELD
TECHNICAL INC.**
CA# 36112

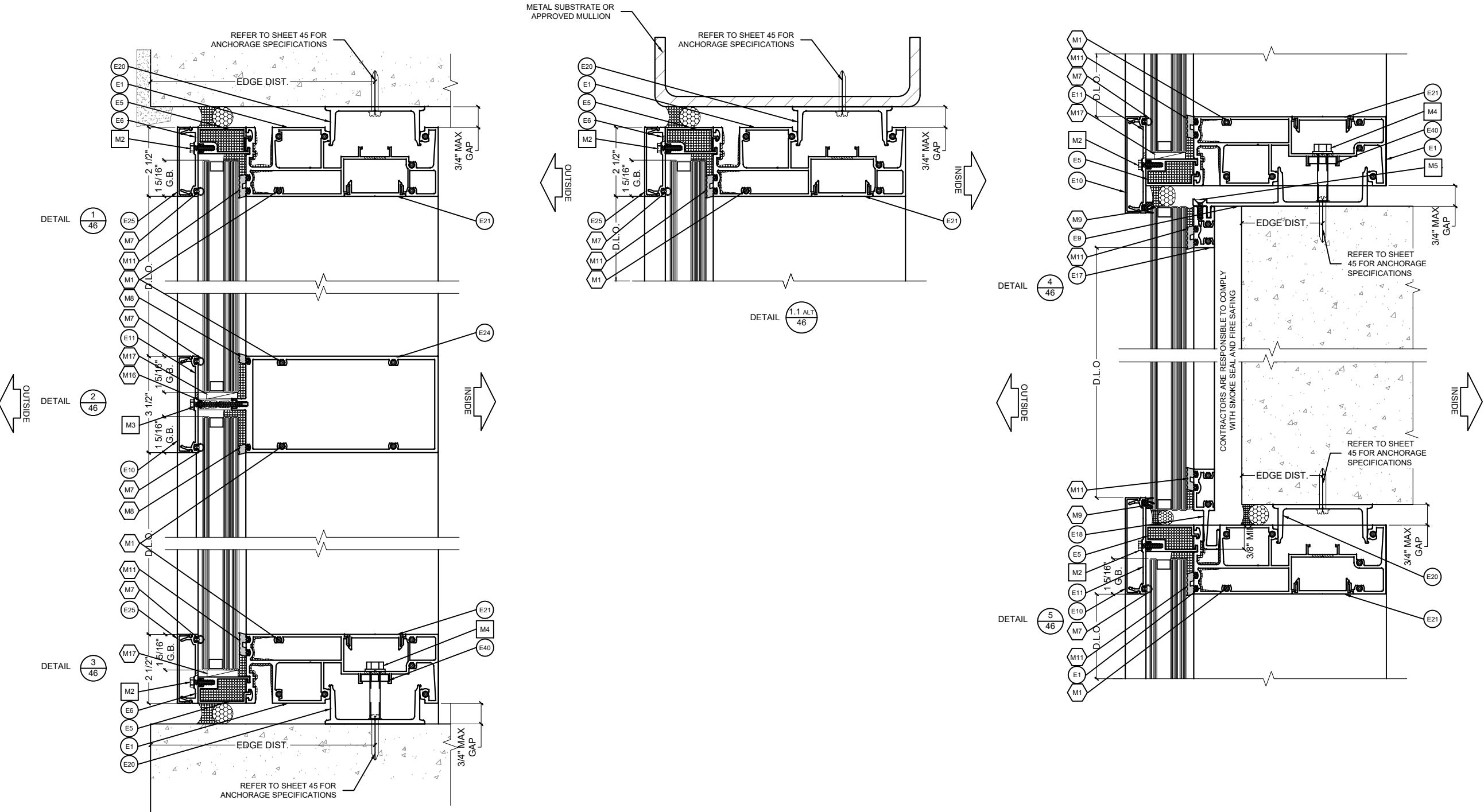
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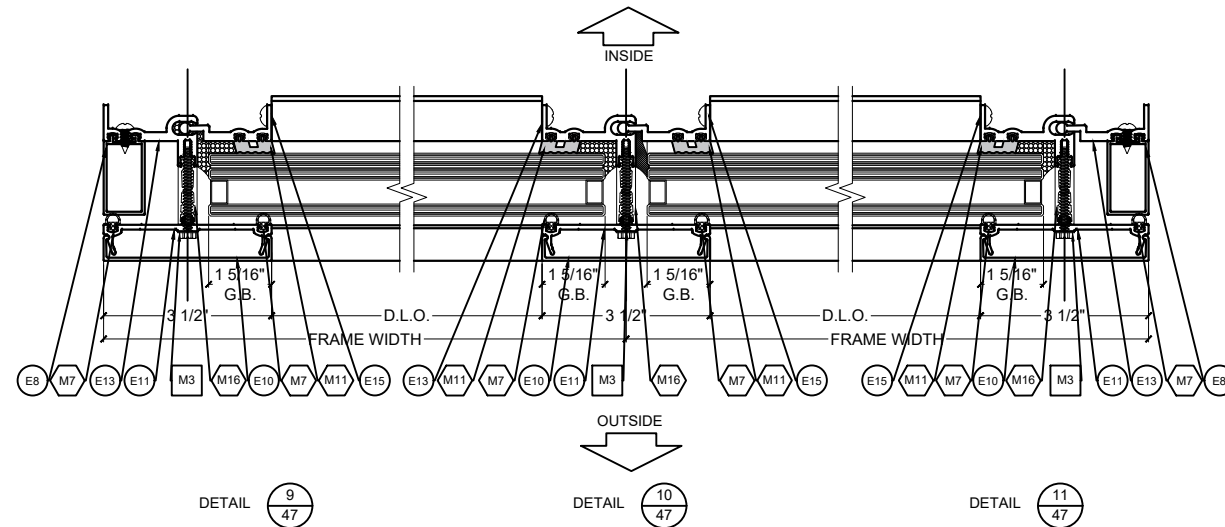
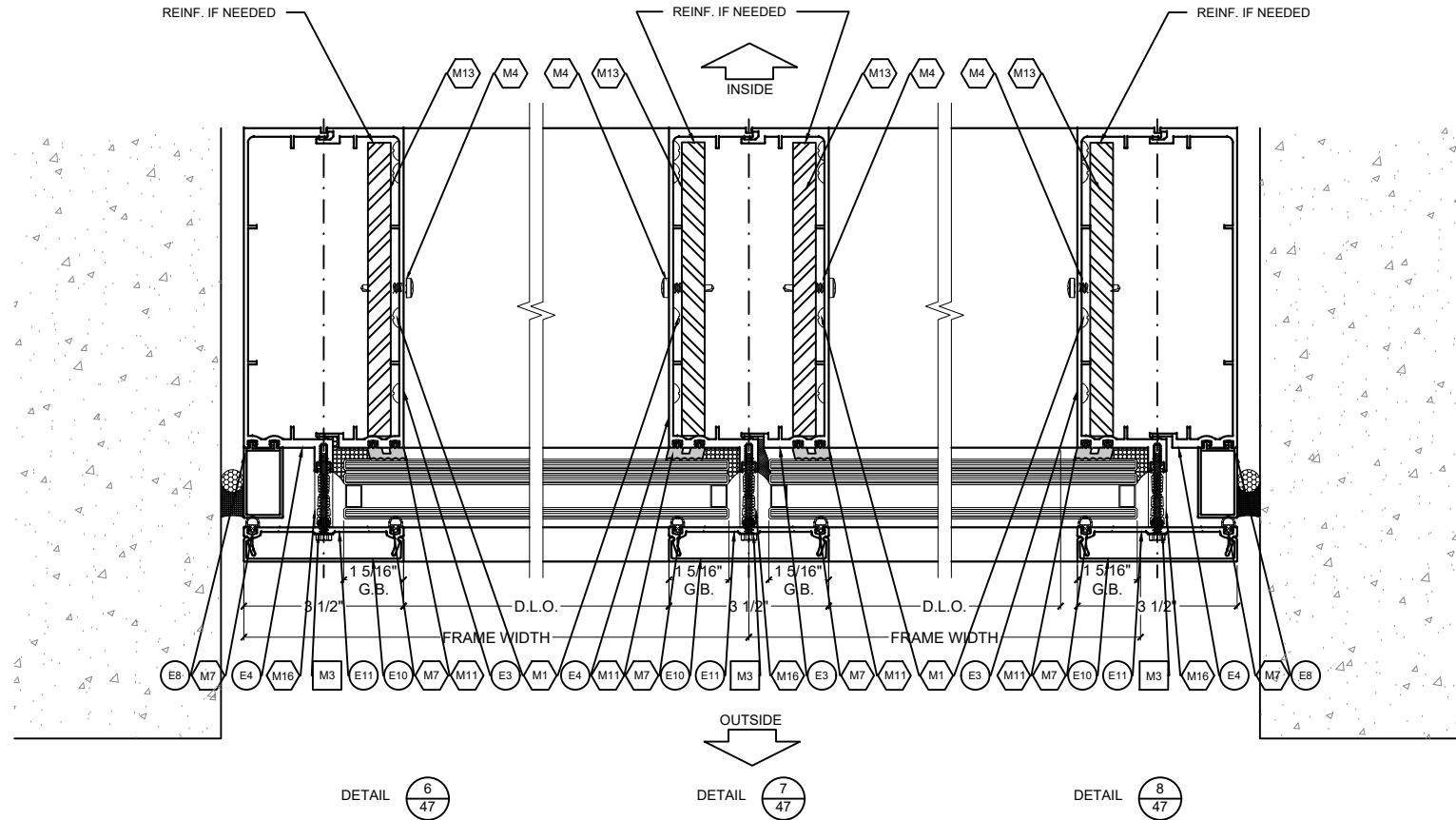


JOHN DELGADO, P.E.
FL. REG. # 94078

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8860i CAPTURED GLASS
DETAILS



8860i CAPTURED GLASS DETAILS

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PROJECT
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SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG

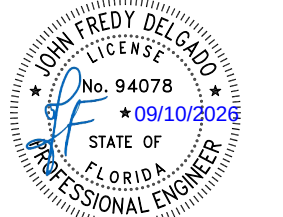
No.	Date:	Revision:
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AC	SV	03/27/2025
DWG NUMBER	SCALE	3" = 1'-0"
DT-PA-ESW-002		
PAGE	47 OF 57	

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ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISSILE IMPACT

FL #44674.2

DRAWING REVISION LOG

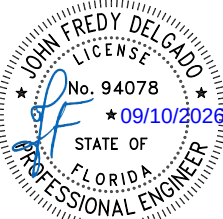
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R1	04/25/2025	UPDATE

ENGINEER:

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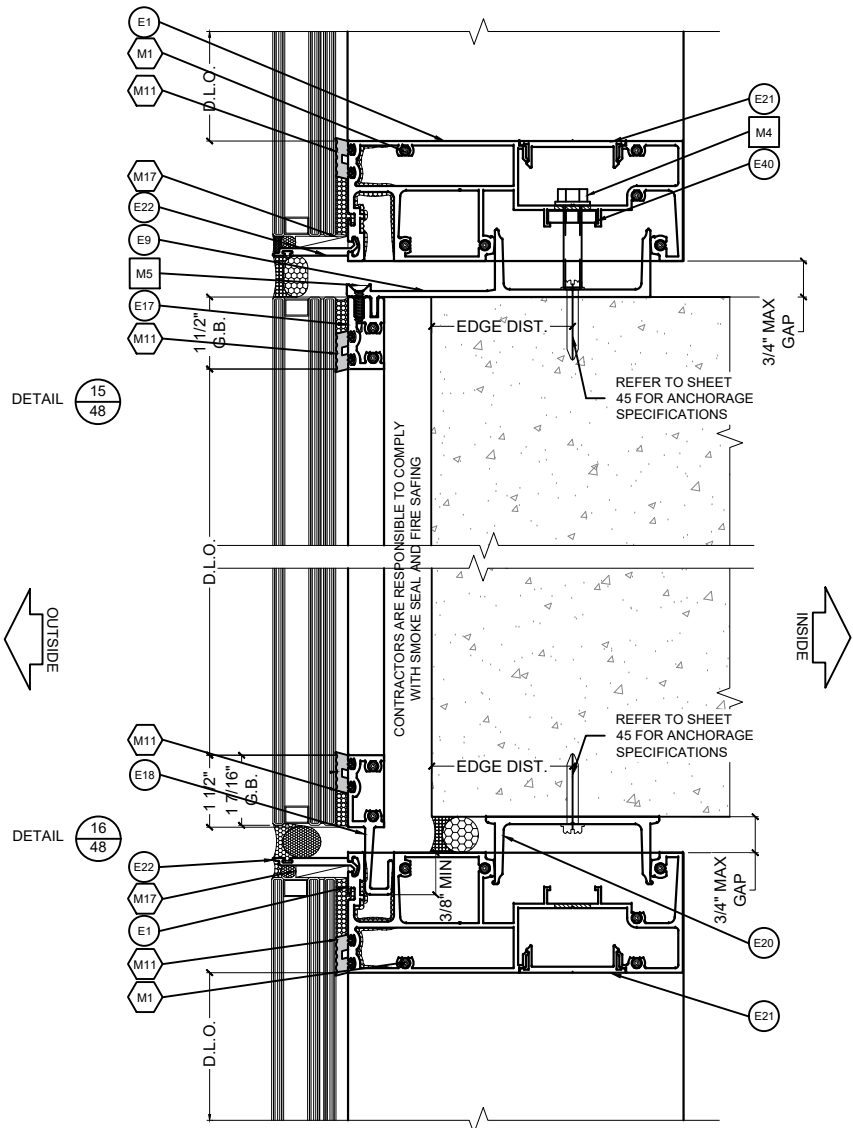
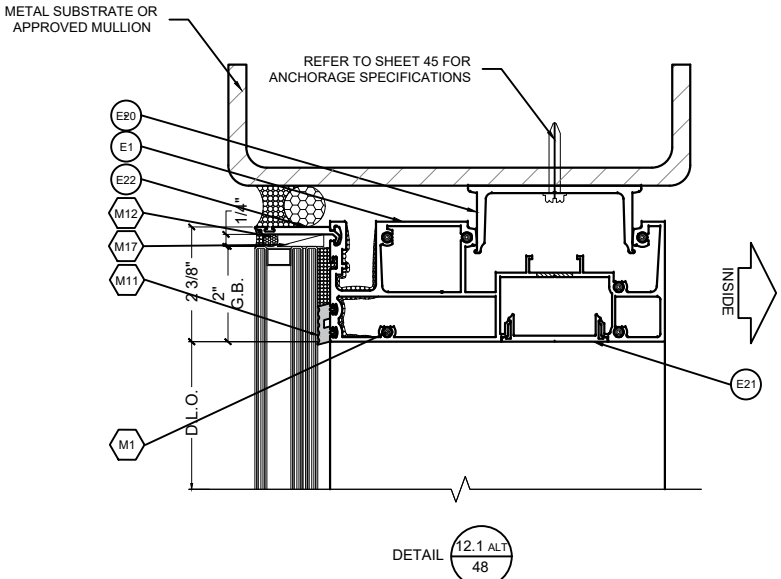
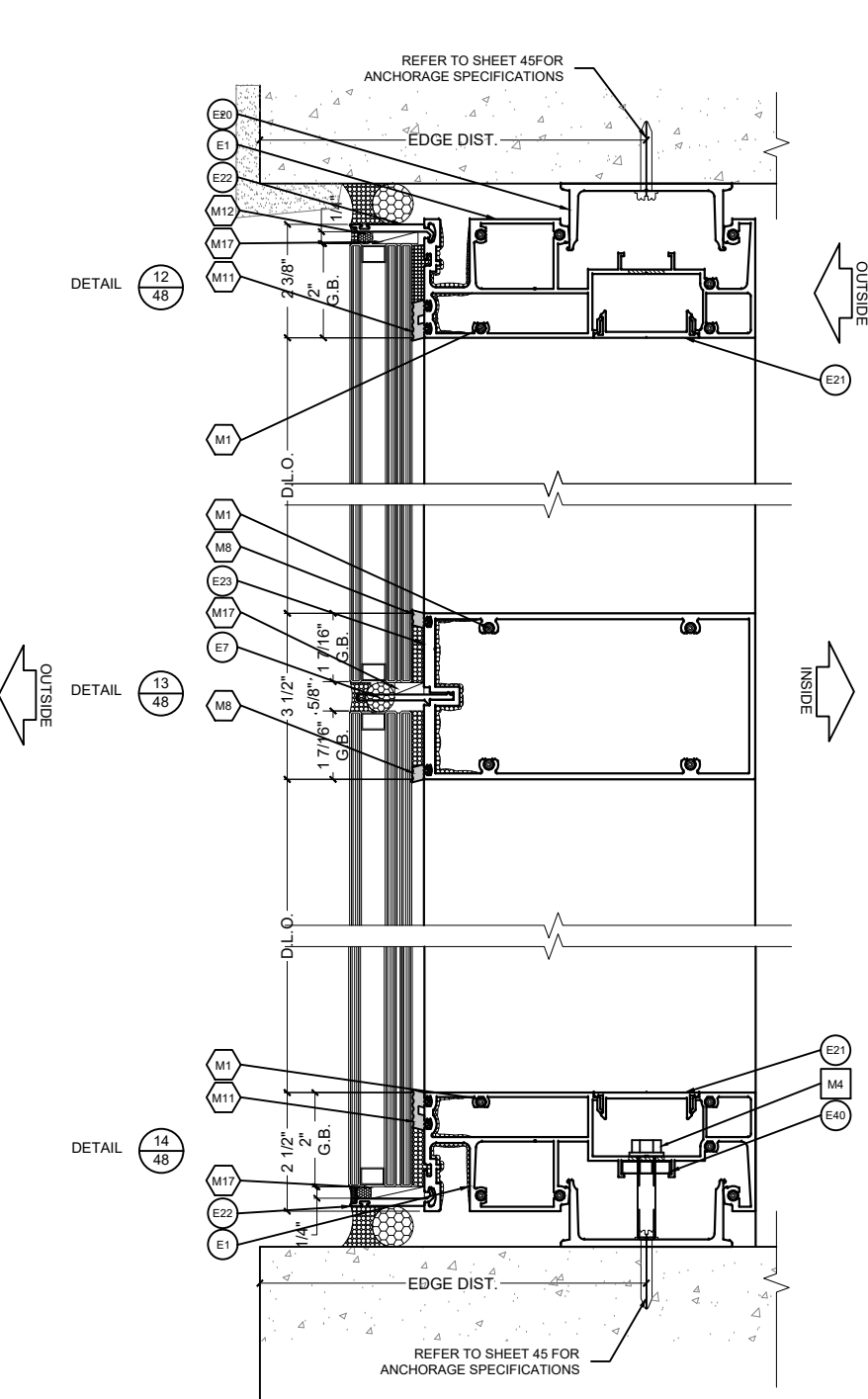
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PAGE 48 OF 57		



8860i SSG GLASS
DETAILS

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SMALL MISILE IMPACT

FL #44674.2

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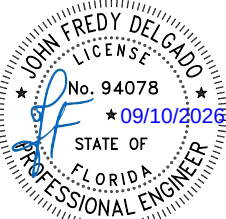
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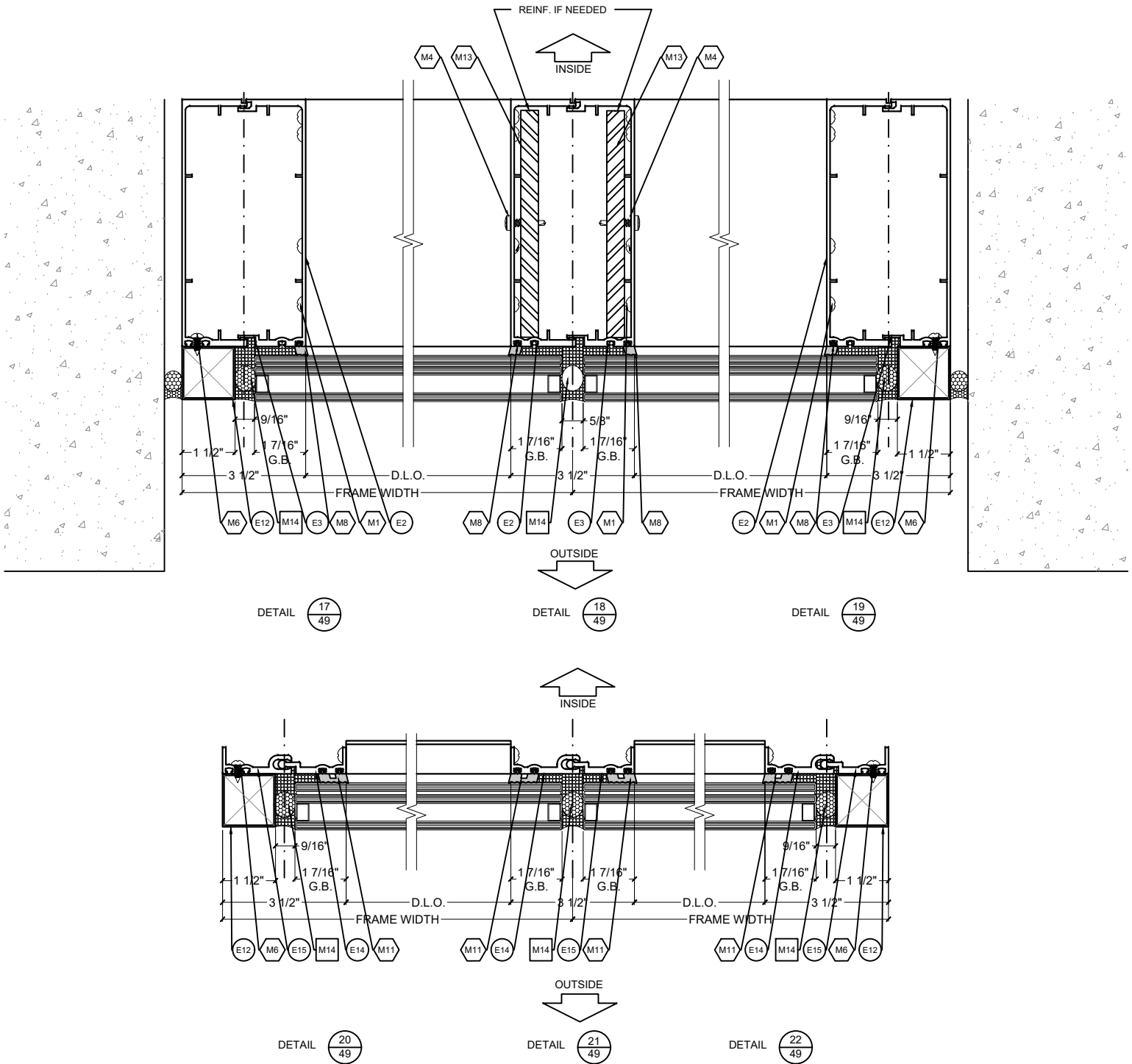
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PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE 3" = 1'-0"	
PAGE 49 OF 57		



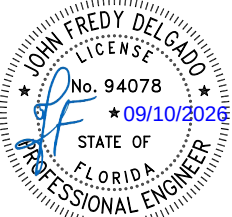
8860i SSG GLASS
DETAILS

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ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISSILE IMPACT

FL #44674.2

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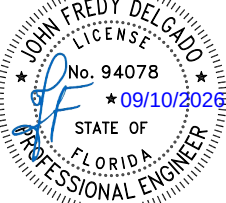
No.	Date:	Revision:
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ENGINEER:

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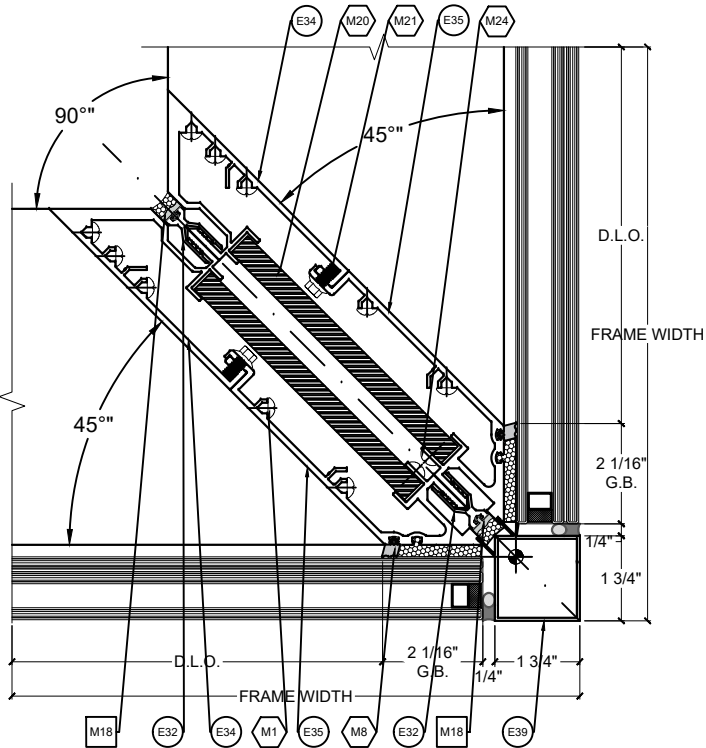
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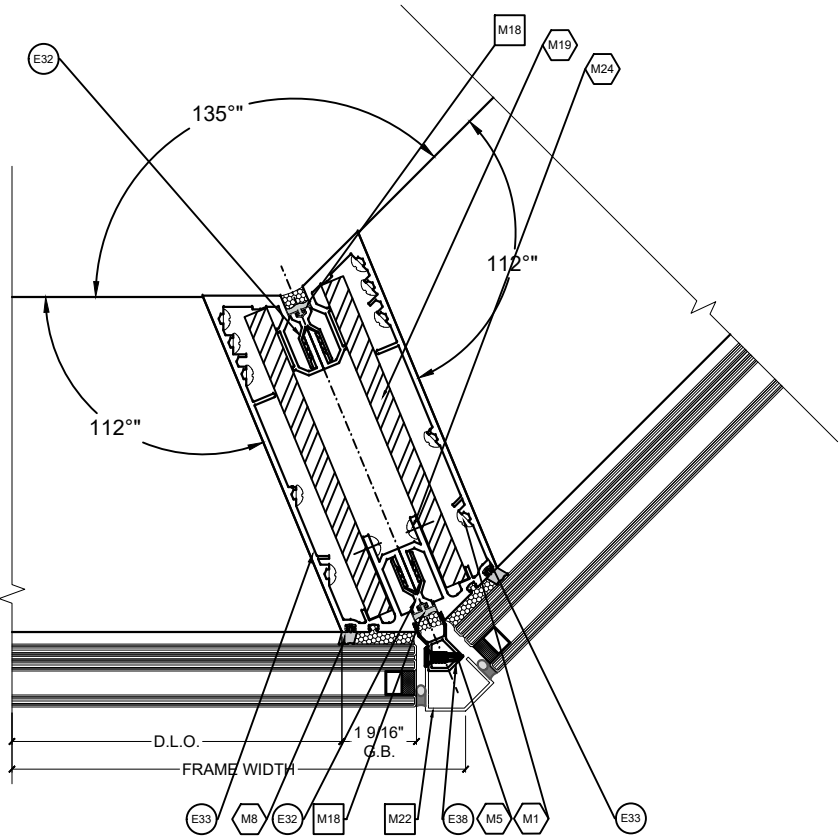
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FL. REG. # 94078

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DWG NUMBER DT-PA-ESW-002	SCALE 3" = 1'-0"	PAGE 51 OF 57

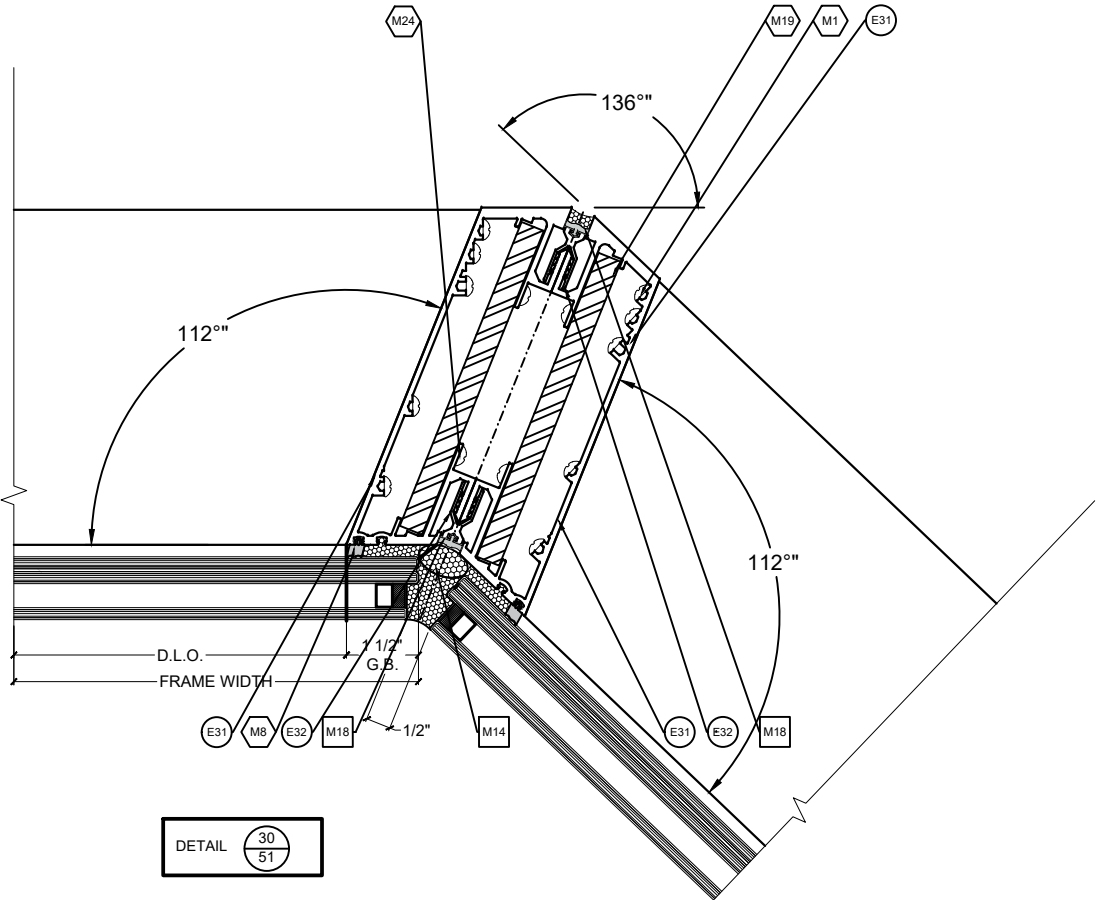


DETAIL 29/51

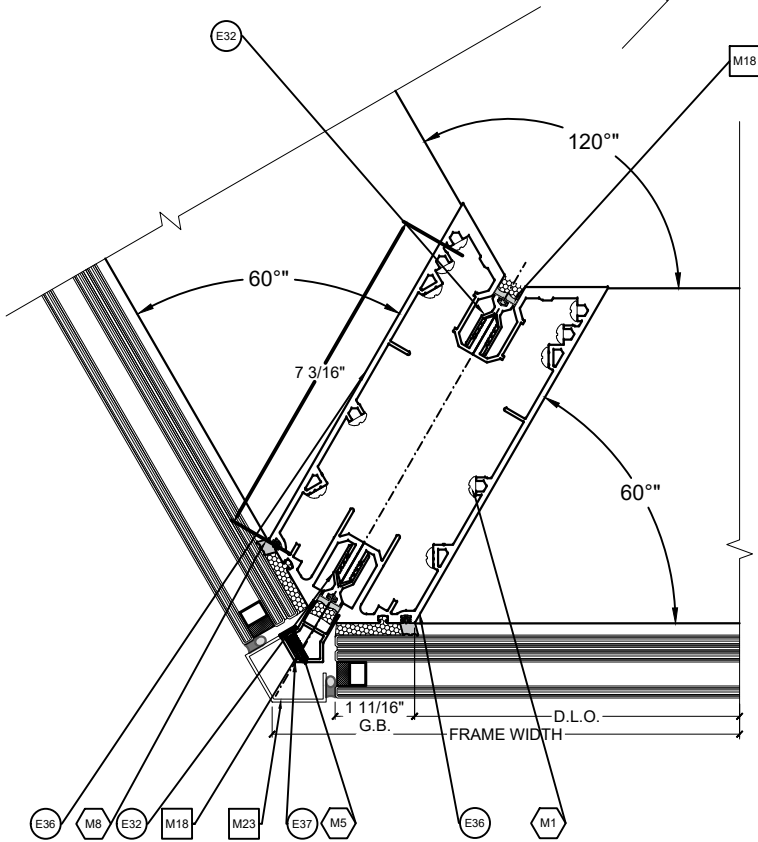
8860i SSG GLASS
DETAILS



DETAIL 31/51



DETAIL 30/51



DETAIL 32/51

8860i WINDOW WALL				
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL
E1	ES-8860-007A	AS REQD.	FRAME HEAD AND SILL	6063-T6
E2	ES-8860-008	AS REQD.	SSG MALE MULLION	6005-T5
E3	ES-8860-009	AS REQD.	FEMALE MULLION SSG	6005-T5
E4	ES-8860-010	AS REQD.	FEMALE MULLION CAPTURED	6005-T5
E5	ES-8860-045	AS REQD.	PRESSURE PLATE ADAPTER (HEAD /SILL)	6063-T6
E6	ES-8860-044	AS REQD.	PRESSURE PLATE	6063-T6
E7	GW-5250-206	AS REQD.	STRUCTURAL GLAZING SHELF	6063-T6
E8	ES-8860-047	AS REQD.	POCKET FILLER	6063-T5
E9	ES-8860-015	AS REQD.	SLAB COVER ANCHOR	6063-T6
E10	ES-8860-029	AS REQD.	PRESSURE PLATE COVER	6063-T6
E11	ES-8860-030	AS REQD.	PRESSURE PLATE	6063-T6
E12	TG-T-215	AS REQD.	FILLER TUBE	6063-T6
E13	ES-8860-001	AS REQD.	MULLION /CAPTURED SLAB COVER	6063-T6
E14	ES-8860-002	AS REQD.	MULLION SSG SLAB COVER	6063-T6
E15	ES-8860-003	AS REQD.	MULLION SSG SLAB COVER	6063-T6
E16	ES-8860-004	AS REQD.	JAMB SLAB COVER	6063-T6
E17	ES-8860-005	AS REQD.	HEAD SLAB COVER	6063-T6
E18	ES-8860-006	AS REQD.	SILL SLAB COVER	6063-T6
E19	ES-8860-024	AS REQD.	SSG MULLION SLAB COVER	6063-T5
E20	ES-7004	AS REQD.	ANCHOR	6005-T5
E21	ES-7003A	AS REQD.	SNAP COVER	6063-T5
E22	ES-8860-046	AS REQD.	SETTING CHAIR	6063-T6
E23	GW-7000-129	AS REQD.	HORIZONTAL INTERMEDIATE SSG	6063-T6
E24	ES-8860-022	AS REQD.	HORIZONTAL INTERMEDIATE	6063-T6
E25	ES-8860-043	AS REQD.	PRESSURE PLATE COVER	6063-T6
E26	ES-8860-033	AS REQD.	HIGH LOAD FEMALE MULLION	6005-T5
E27	ES-8860-034	AS REQD.	HIGH LOAD MALE MULLION	6005-T5
E28	ES-8860-701	AS REQD.	HEAVY MULLION FEMALE	6005-T5
E29	ES-8860-702	AS REQD.	HEAVY MULLION MALE	6005-T5
E30	ES-WW8832-104	AS REQD.	JAMB SSG	6063-T6
E31	ES-8860-432	AS REQD.	CORNER OUT SSG 136°	6005-T5
E32	HP-3060-059	AS REQD.	CORNER CLIP	6063-T6
E33	ES-8860-417	AS REQD.	CORNER OUT SSG 135°	6005-T5
E34	ES-8860-406	AS REQD.	CORNER IN BACK 90° SSG	6005-T5
E35	ES-8860-408	AS REQD.	CORNER IN FRONT 90° SSG	6005-T5
E36	ES-8860-422	AS REQD.	CORNER OUT 120° SSG	6005-T5
E37	ES-8860-423	AS REQD.	GLASS SEAL SSG 120°	6063-T5
E38	ES-8860-418	AS REQD.	GLASS SEAL SSG 135°	6063-T5
E39	ES-8860-440	AS REQD.	GLASS SEAL CORNER 90° SSG	6063-T5
E40	ALU-P-020	AS REQD.	SILL LEVELER	6063-T6

SEALANTS:

ALL FRAME CORNERS, MECHANICAL JOINTS AND MULLION SEAMS SEALED WITH SILICONE SEALANT.

BILL OF MATERIALS TABLE

SYMBOLS	
DETAIL	DESCRIPTION
M1	LEADER FOR INSTALLATION MISCELLANEOUS
M01	LEADER FOR ASSEMBLY MISCELLANEOUS
E01	LEADER FOR EXTRUSIONS

E.S.
WINDOWS, LLC

3550 N.W. 49 STREET
MIAMI, FL 33142
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PROJECT

ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG		
No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:

DEERFIELD
TECHNICAL INC.
CA# 36112

111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

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JOHN FREDY DELGADO
LICENSE
No. 94078
★09/10/2026★
STATE OF FLORIDA
PROFESSIONAL ENGINEER

JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE 6"=1'-0"	
PAGE 52 OF 57		

8860i WINDOW WALL				
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL
M1	#12 x 1 1/2" P.H S.M.S	AS REQD.	FOR ASSEMBLY FRAME	STAINLESS STEEL
M2	#10 x 5/8" H.W.H	AS REQD.	FOR HORIZONTAL PRESSURE PLATE	STAINLESS STEEL
M3	#10 x 1 3/4" H.W.H	AS REQD.	FOR VERTICAL PRESSURE PLATE	STAINLESS STEEL
M4	#12 X 1" PH SELF DRILLING	AS REQD.	FOR REINFORCEMENT	STAINLESS STEEL
M5	#10 X 1" PHIL FLAT SELF DRILLER 18-8SS	AS REQD.	FOR SLAB COVER	STAINLESS STEEL
M6	#12 x 1/2" P.H S.M.S	AS REQD.	FOR FILLER TUBE	STAINLESS STEEL
M7	WW7000-NE003	AS REQD.	SILICONE GASKET 0.25 PUSH IN	SILICONE
M8	W5250-NS02	AS REQD.	INTERIOR GASKET	SILICONE
M9	ES-W625-G03A	AS REQD.	EXTERIOR GASKET FOR CAPTURED VERTICAL MULLION	SILICONE
M10	80-339A	AS REQD.	SETTING BLOCK	SILICONE
M11	ES-8860-G02	AS REQD.	INTERIOR GASKET	SILICONE
M12	BACKER ROD 3/8"	AS REQD.	BACKER ROD @HORIZONTAL	OPEN CELL POLIETHYLENE FOAM
M13	REINFORCEMENT FOR VERTICAL MULLION	AS REQD.	REINFORCEMENT FOR VERTICAL MULLION OF 1/2" X 6 1/2"	STEEL
M14	BACKER ROD 7/8"	AS REQD.	BACKER ROD @HORIZONTAL	OPEN CELL POLIETHYLENE FOAM
M15	DS-983	AS REQD.	INNER WATER STRIPING	SILICONE
M16	W5250-302	AS REQD.	SPACER	POLYAMIDE
M17	ES-7530-B02A	AS REQD.	SETTING BLOCK	SILICONE
M18	V-003A	AS REQD.	MARINE GLAZING FOR GLASS	SILICONE
M19	1/2" x 6-3/4" A36	AS REQD.	REINFORCEMENT FOR VERTICAL	STEEL
M20	1/2" x 6-3/16" A36	AS REQD.	REINFORCEMENT FOR VERTICAL	STEEL
M21	#10 x 1/2" PHIL PAN	AS REQD.	FOR CORNER MULLION 90° SSG	STAINLESS STEEL
M22	1/16" x 3-3/4" A36	AS REQD.	CORNER METAL FILLER 135°	3003-H14
M23	1/16" x 4-1/16" A36	AS REQD.	CORNER METAL FILLER 120°	3003-H14
M24	#12 X 1 1/4" PH SELF DRILLING	AS REQD.	FOR REINFORCEMENT	STAINLESS STEEL

BILL OF MATERIALS TABLE

SYMBOLS	
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M1	LEADER FOR INSTALLATION MISCELLANEOUS
M01	LEADER FOR ASSEMBLY MISCELLANEOUS
E01	LEADER FOR EXTRUSIONS

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SMALL MISILE IMPACT

FL #44674.2

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CA# 36112

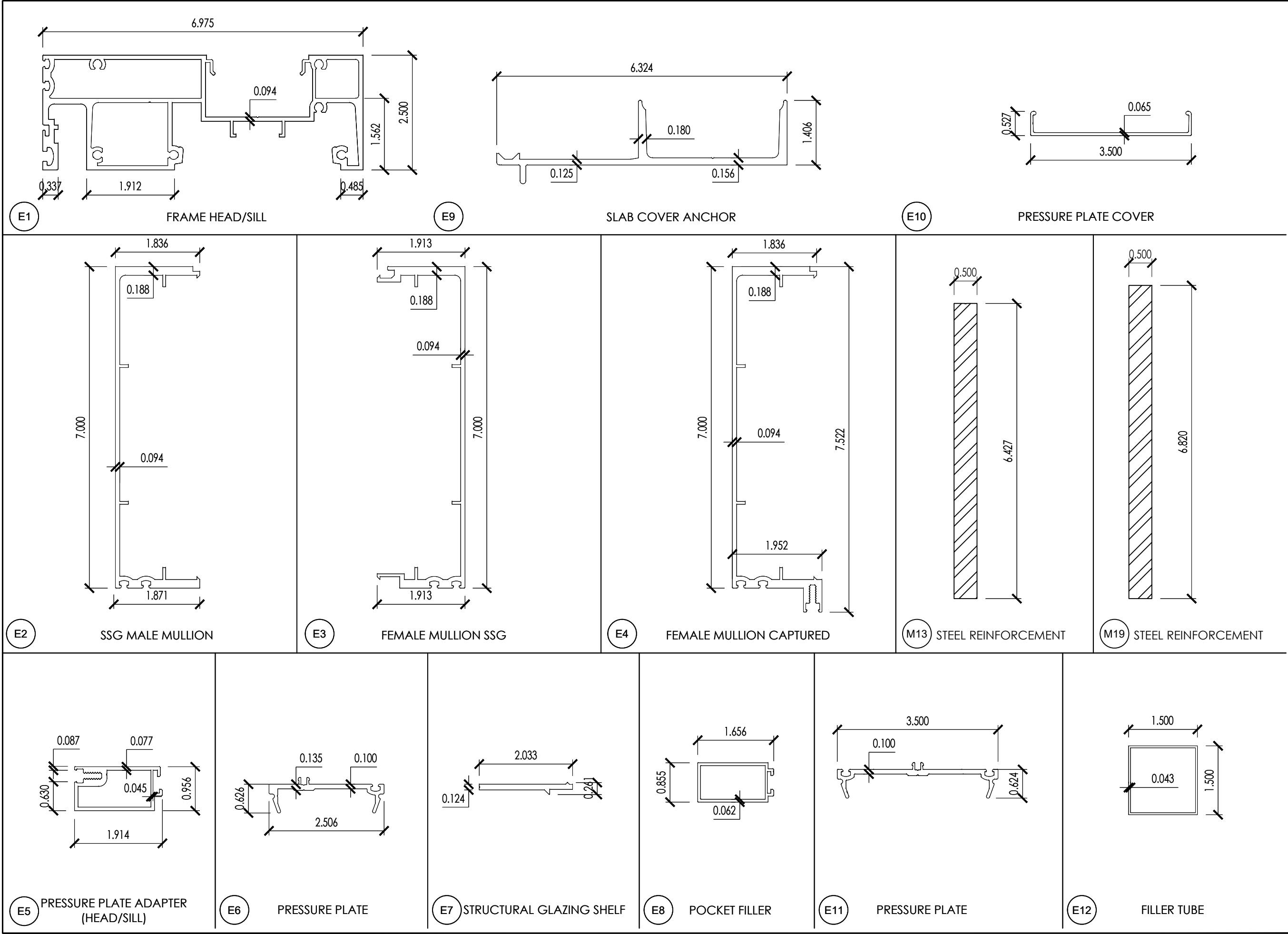
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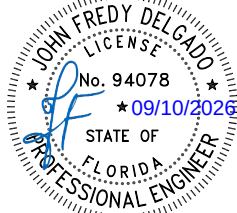
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PROJECT
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SMALL MISSILE IMPACT

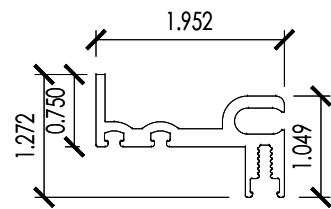
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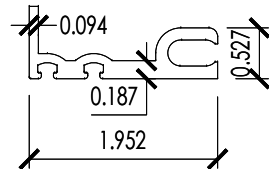
ENGINEER:
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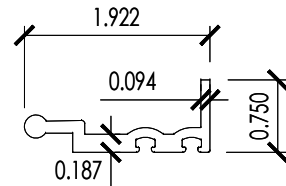
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DWG NUMBER DT-PA-ESW-002	SCALE 6"=1'-0"	
PAGE 54 OF 57		



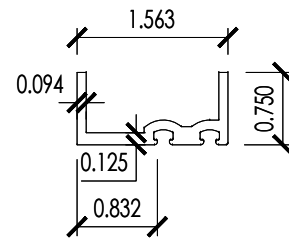
E13 MULLION CAPTURED SLAB COVER



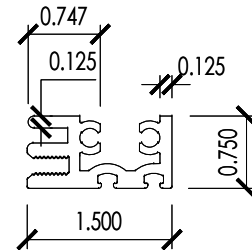
E14 MULLION SSG/ SLAB COVER



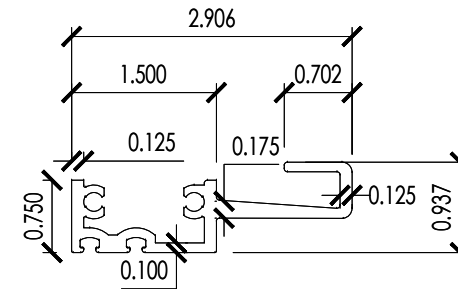
E15 MULLION SSG/ SLAB COVER



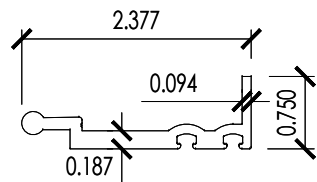
E16 JAMB SLAB COVER



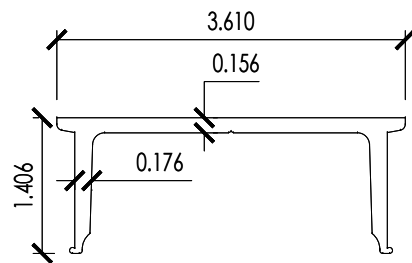
E17 HEAD SLAB COVER



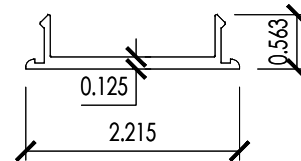
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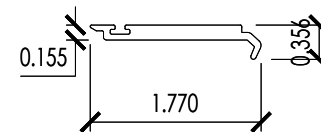
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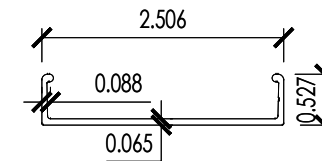
E20 ANCHOR



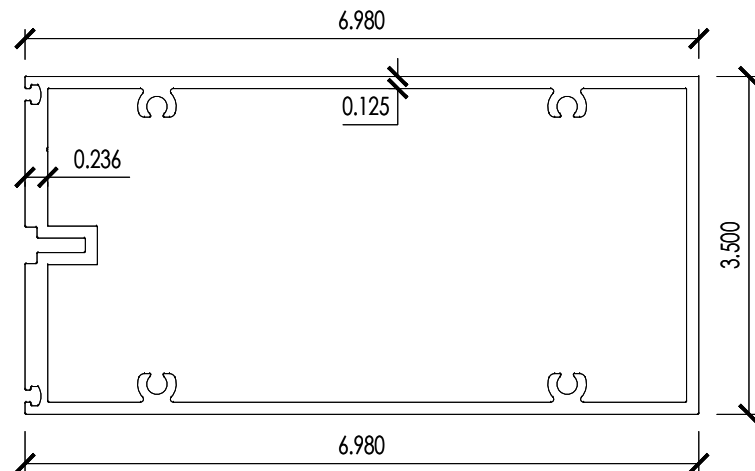
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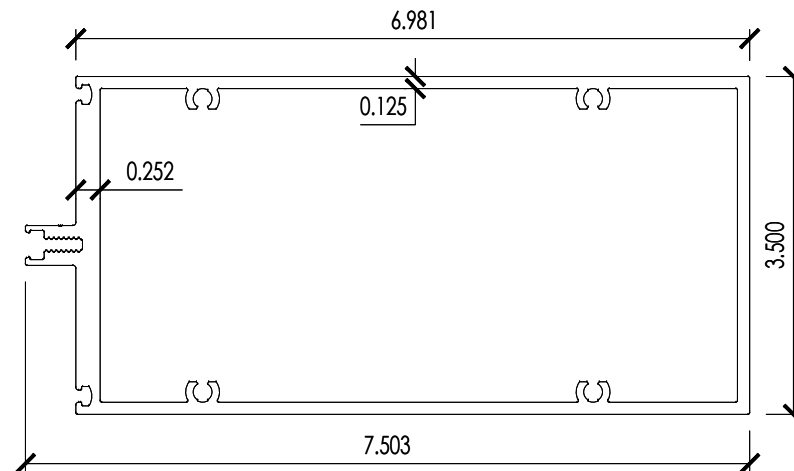
E22 SETTING CHAIR



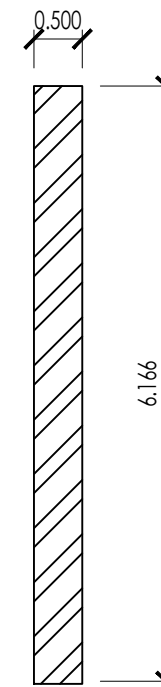
E25 PRESSURE PLATE COVER



E23 HORIZONTAL INTERMEDIO SSG



E24 HORIZONTAL INTERMEDIO



M20 STEEL REINFORCEMENT

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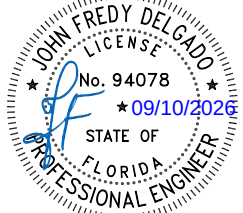
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PROJECT
ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

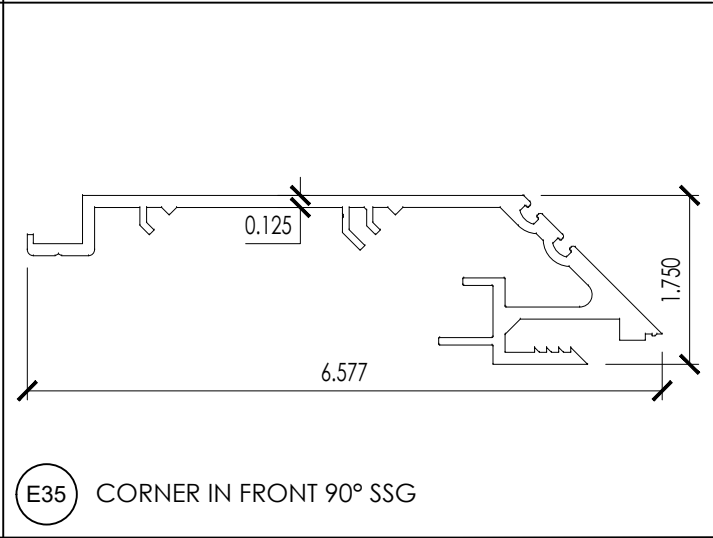
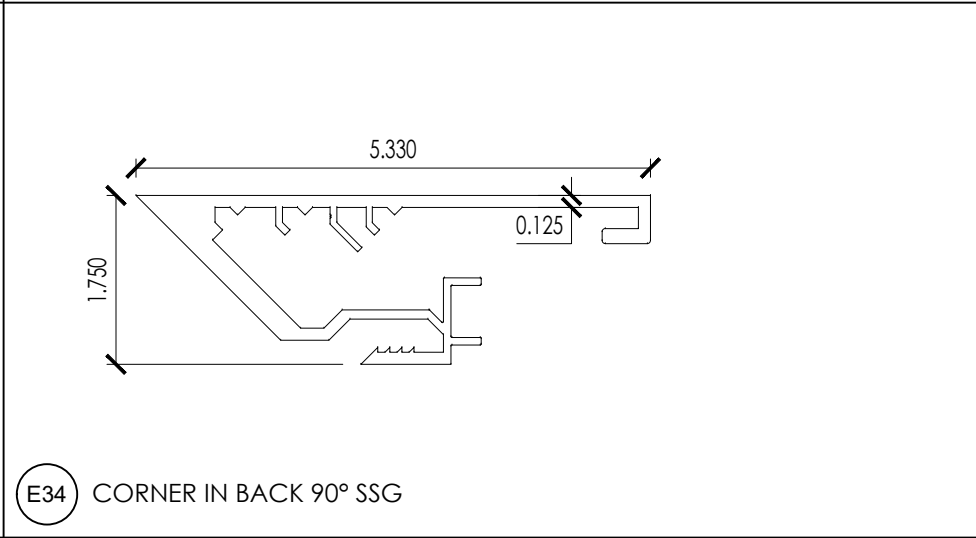
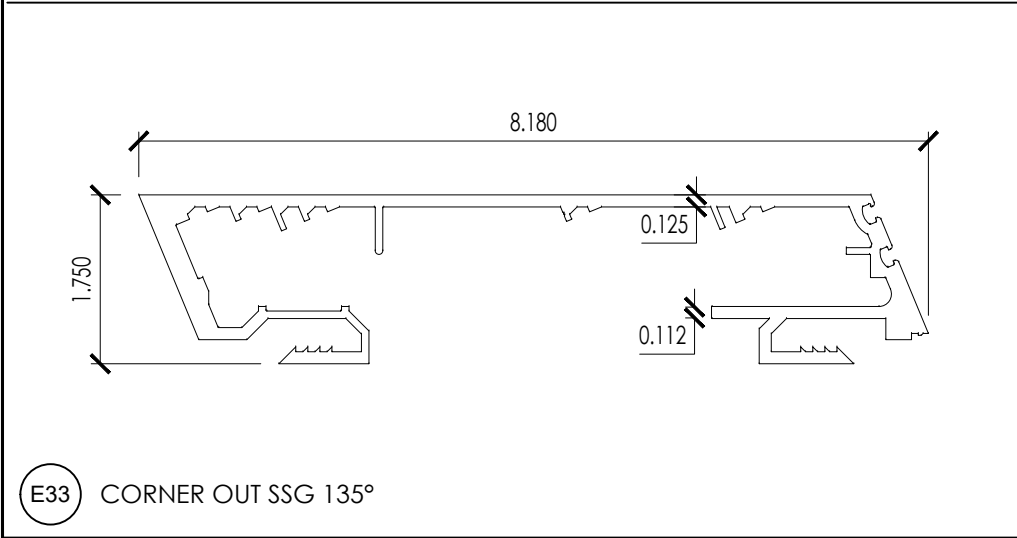
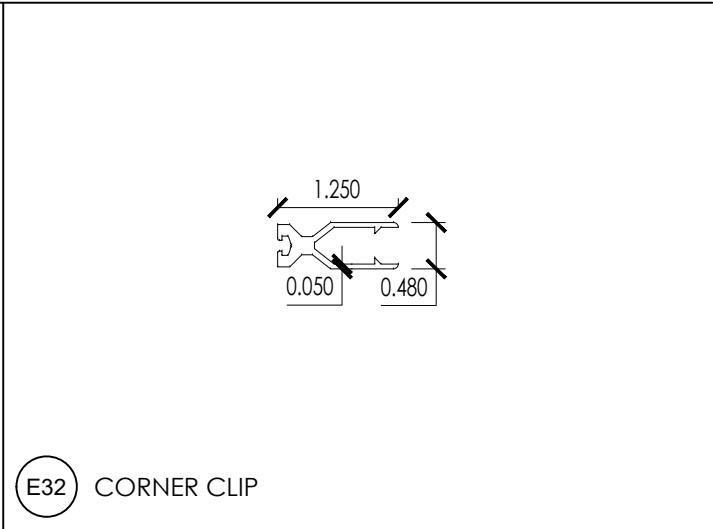
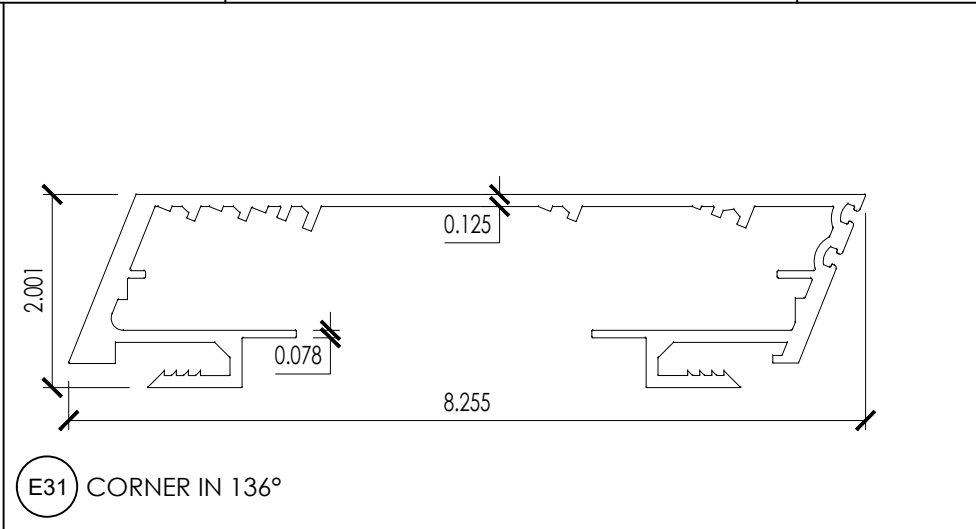
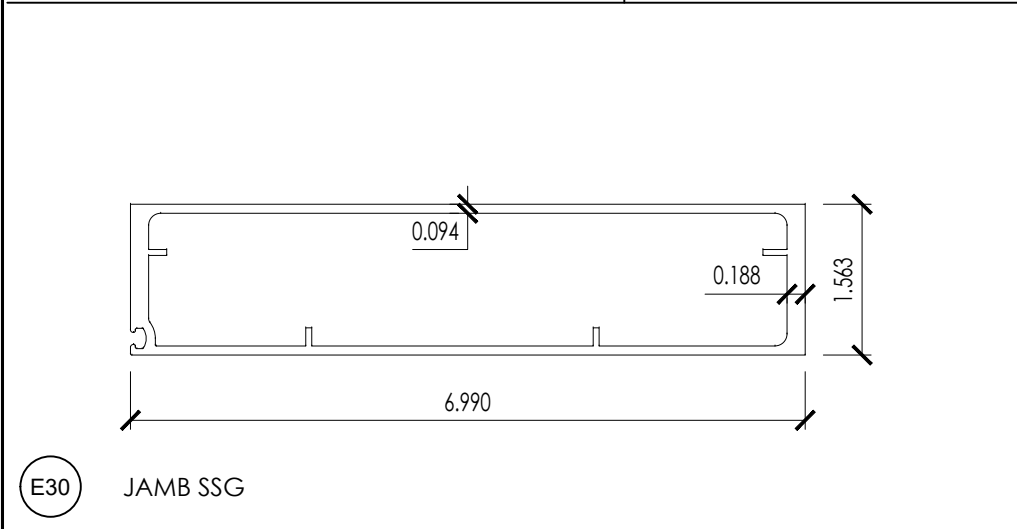
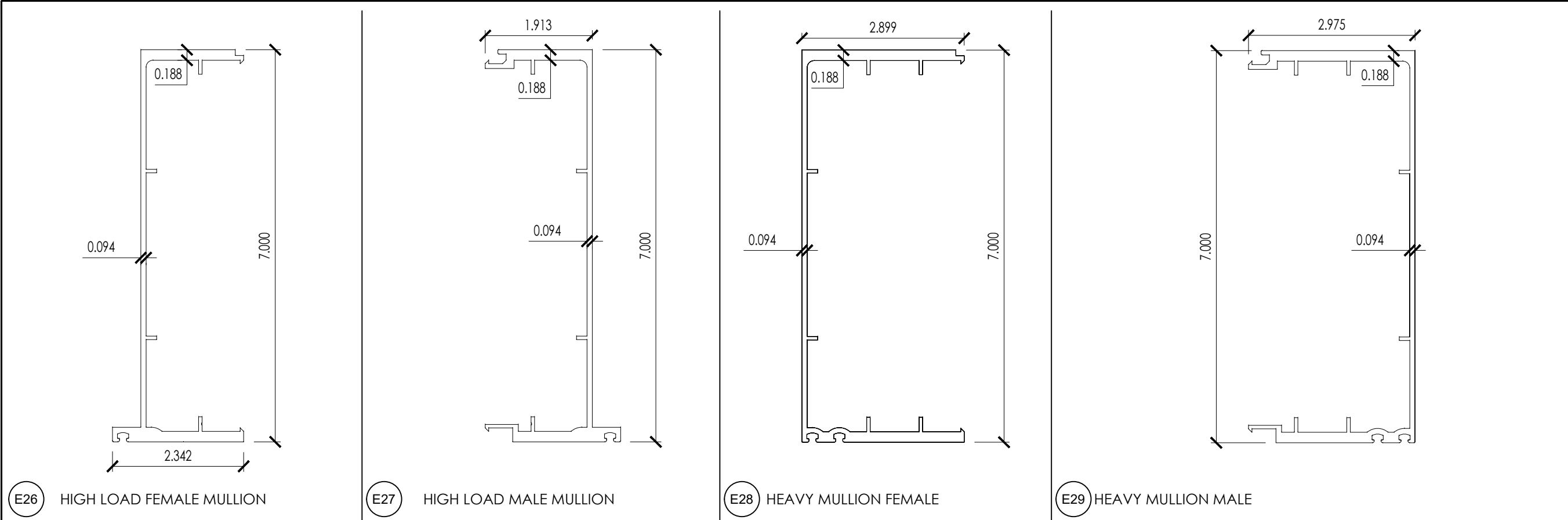
FL #44674.2

DRAWING REVISION LOG		
No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:
**DEERFIELD
TECHNICAL INC.**
CA# 36112
111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

CHECKED FOR STRUCTURAL
COMPLIANCE ONLY. BY:

JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE 6"=1'-0"	
PAGE 55 OF 56		



E.S.
WINDOWS, LLC

3550 N.W. 49 STREET
MIAMI, FL 33142
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PROJECT

ES-8860i ALUMINUM
WINDOW WALL SYSTEM
SMALL MISILE IMPACT

FL #44674.2

DRAWING REVISION LOG

No.	Date:	Revision:
R1	04/25/2025	UPDATE

ENGINEER:

DEERFIELD
TECHNICAL INC.
CA# 36112

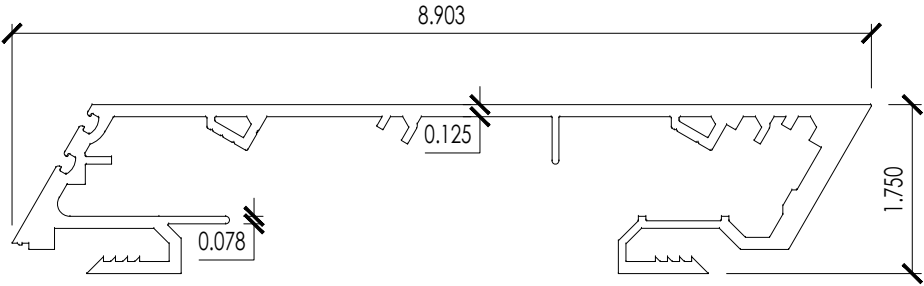
111 NORTH ORANGE AVE.
SUITE 800
ORLANDO, FL 32801

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COMPLIANCE ONLY. BY:

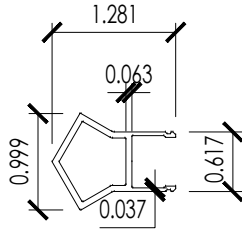
JOHN FREDY DELGADO
LICENSE
No. 94078
★09/10/2026★
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

JOHN DELGADO, P.E.
FL. REG. # 94078

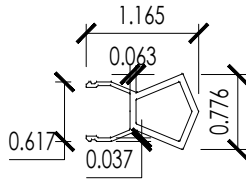
PREPARED BY	DRAFTED BY	DATE
AC	SV	03/27/2025
DWG NUMBER	SCALE	
DT-PA-ESW-002	6"=1'-0"	
PAGE	56 OF 57	



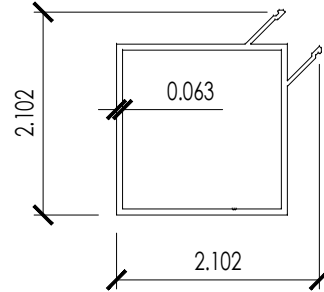
E36 CORNER OUT 120° SSG



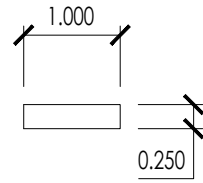
E37 GLASS SEAL SSG 120°



E38 GLASS SEAL SSG 135°



E39 GLASS SEAL CORNER SSG 90°



E40 SILL LEVELER

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PREPARED BY AC	DRAFTED BY SV	DATE 03/27/2025
DWG NUMBER DT-PA-ESW-002	SCALE 6"=1'-0"	
PAGE 57 OF 57		