ES-WA9040
ALUMINUM WINDOW WALL SYSTEM
SMALL MISSILE IMPACT

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).

ANCHORS SHALL BE SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

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

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL BE ISOLATED TO MEET THE REQUIREMENTS OF THE 2023 FLORIDA BLDG. CODE & ADOPTED STANDARD.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT. ie LIFE SAFETY OF THIS PRODUCT, ADEQUACY OR STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANT ETC.
CONDITIONS NOT SHOWN IN THIS DOCUMENT ARE TO BE ANALYSED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOADS SHOWN ARE BASED ON "ALLOWABLE STRESS DESIGN (ASD)".

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

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 CHART AS FOLLOWS:

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

STEP 2 REFER TO SHEETS 2.0 FOR GLAZING ELEVATIONS

STEP 3 REFER TO SHEETS 3.0 FOR SILICONE CAPACITIES

STEP 4 REFER TO SHEETS 4.0 FOR GLASS CAPACITIES

STEP 5 REFER TO SHEETS 5.0 FOR JAMBS / MULLIONS CAPACITIES

STEP 6 REFER TO SHEETS 6.0 FOR ANCHORS CAPACITIES

THIS SYSTEM IS RATED FOR SMALL MISSILE IMPACT.
SHUTTERS ARE REQUIRED FOR ELEVATIONS BELOW 30 FT FROM GRADE.

A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.

B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

C- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD. ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.

D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

E.S.
WINDOWS, LLC

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

PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #
FL# 47332.2

SHEET NAME:
GENERAL NOTES

DRAWING REVISION LOG

No.	Date:	Revision:
R1	05/02/2025	UPDATE
R3	08/25/2025	UPDATE
R4	10/22/2025	UPDATE
R5	04/16/2026	UPDATE

ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

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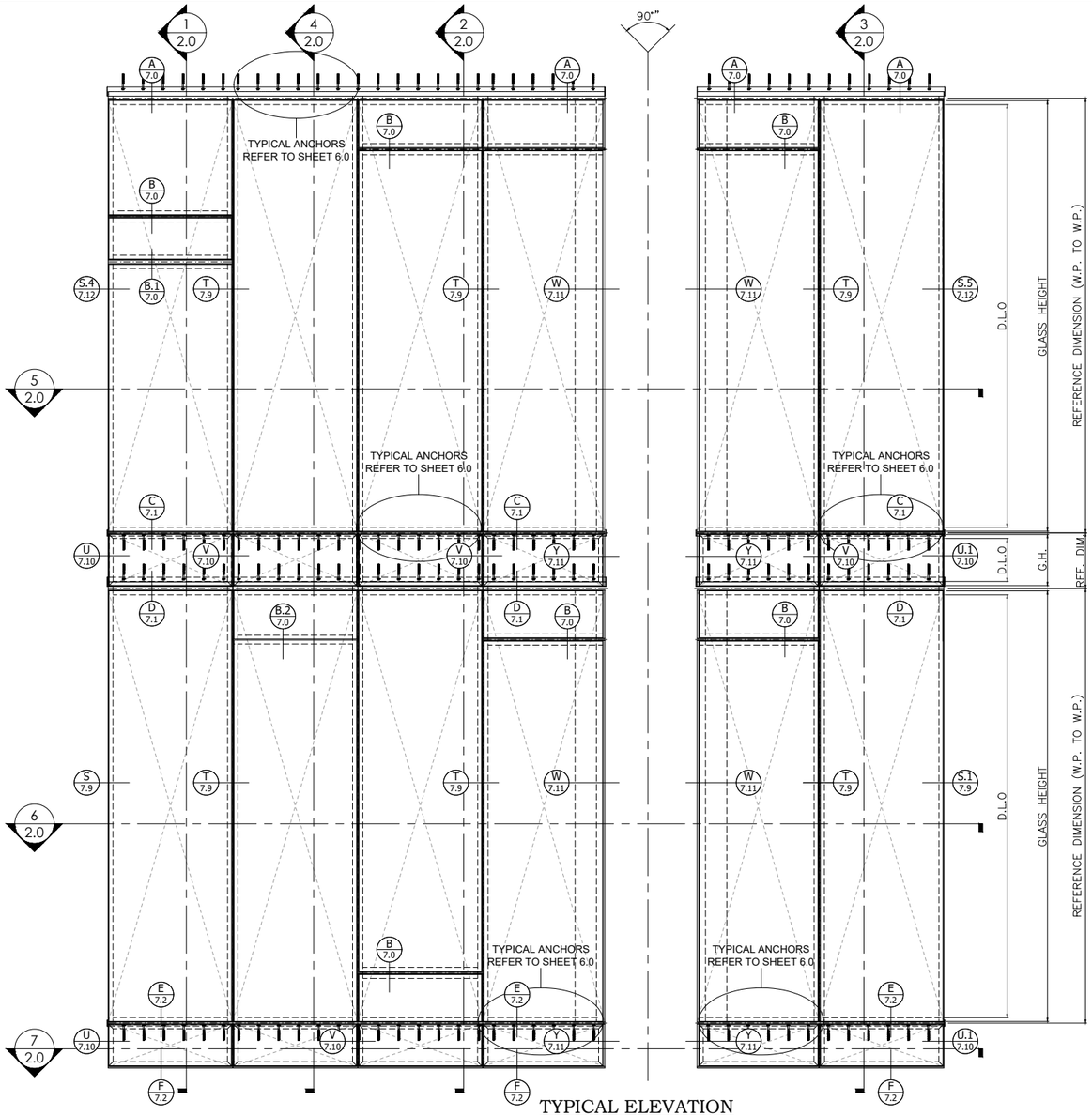
JOHN FREDY DELGADO LICENSE No. 94078 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/16/2026

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

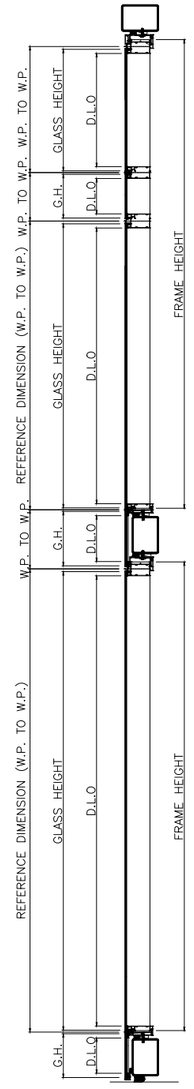
John Delgado
Digitally signed by John Delgado
DN: CN=John Delgado, O=Qualifier=AG43DC0000019785E0EF1200128352, C=US, E=jdelgado@DEERFIELDTECHNICAL INC., C=US
Location: FORT MYERS, FL
Reason: I am approving this document
Contact Info: 305.613.7483
Date: 2026.04.16 13:13:33-04'00'

PREPARED BY	DRAFTED BY	DATE
AC	SS & DF	05/02/2025
DWG NUMBER		SCALE
DT-PA-ESW-005		N.T.S.
PAGE		
1.0 OF 8.4		

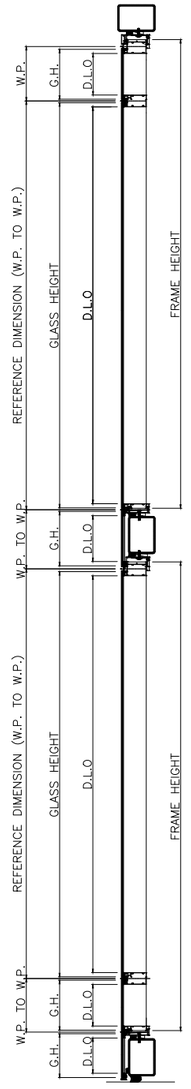
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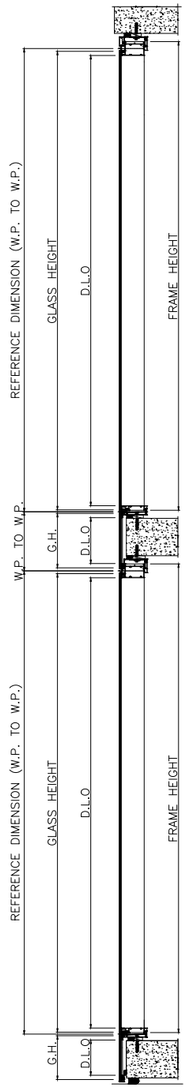
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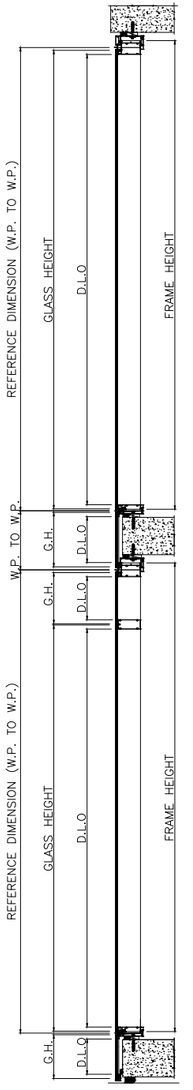
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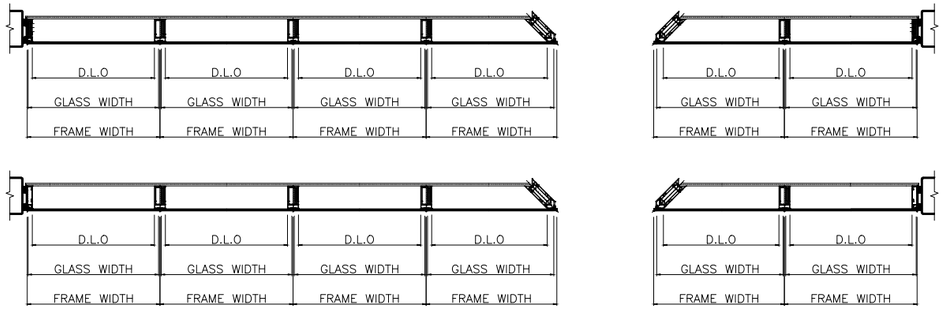
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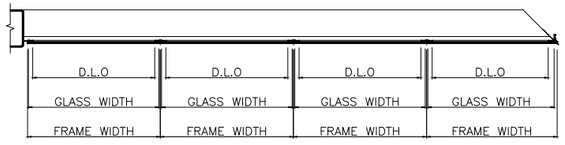


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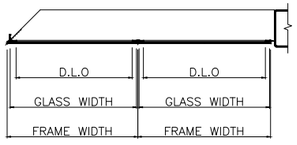


TYPICAL PLAN VIEW 5

TYPICAL PLAN VIEW 6



TYPICAL PLAN VIEW 7



E.S.
WINDOWS, LLC

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PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:
WINDOWS
ELEVATION

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ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

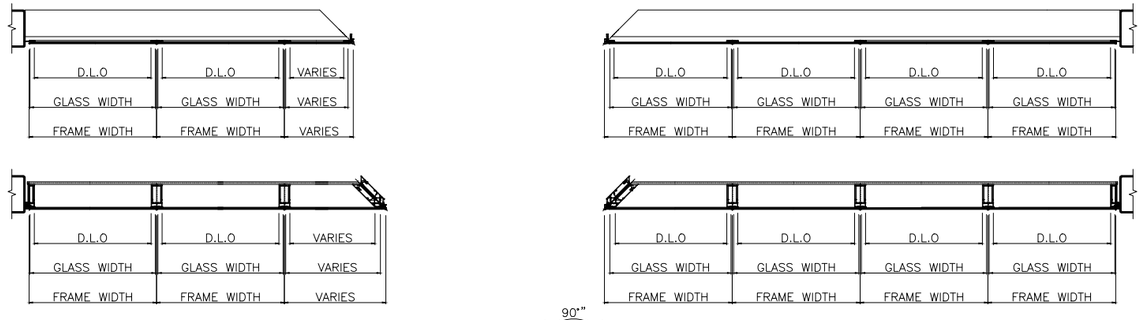
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JOHN FREDY DELGADO LICENSE No. 94078 STATE OF FLORIDA PROFESSIONAL ENGINEER 04/16/2026

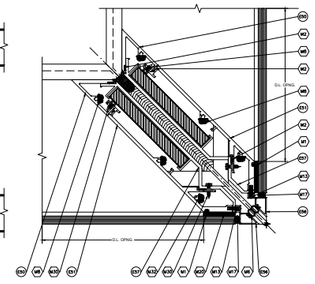
JOHN DELGADO, P.E.
FL. REG. # 94078

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AC	SS & DF	05/02/2025
DWG NUMBER		SCALE
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2.0 OF 8.4		

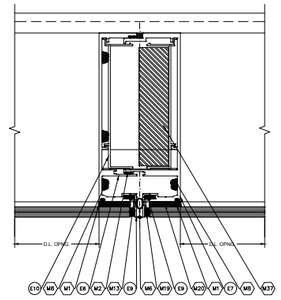
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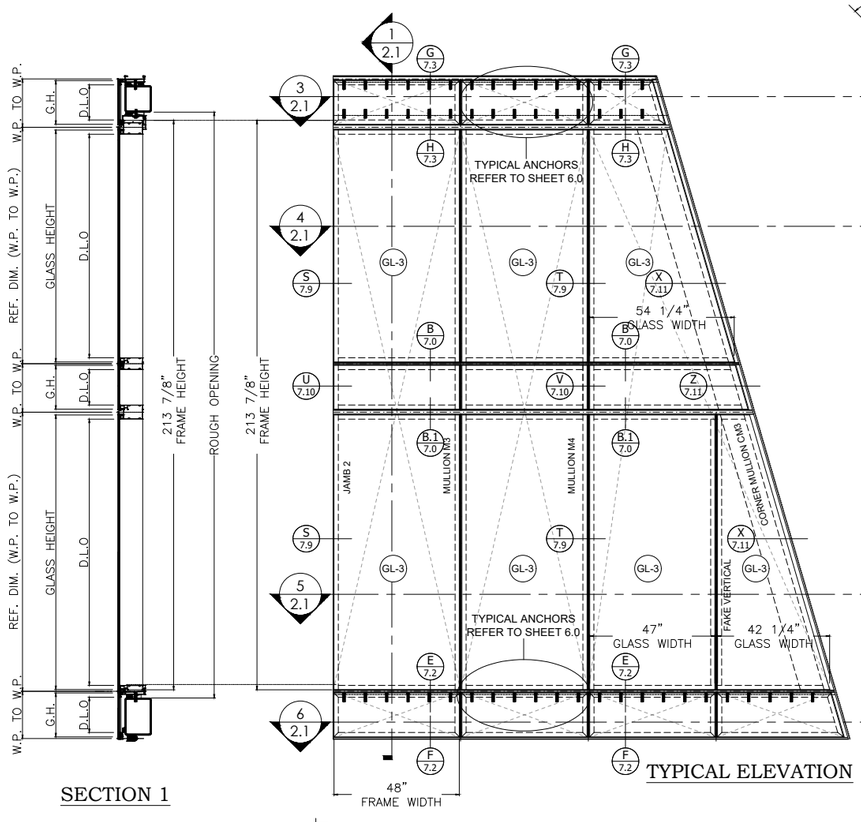
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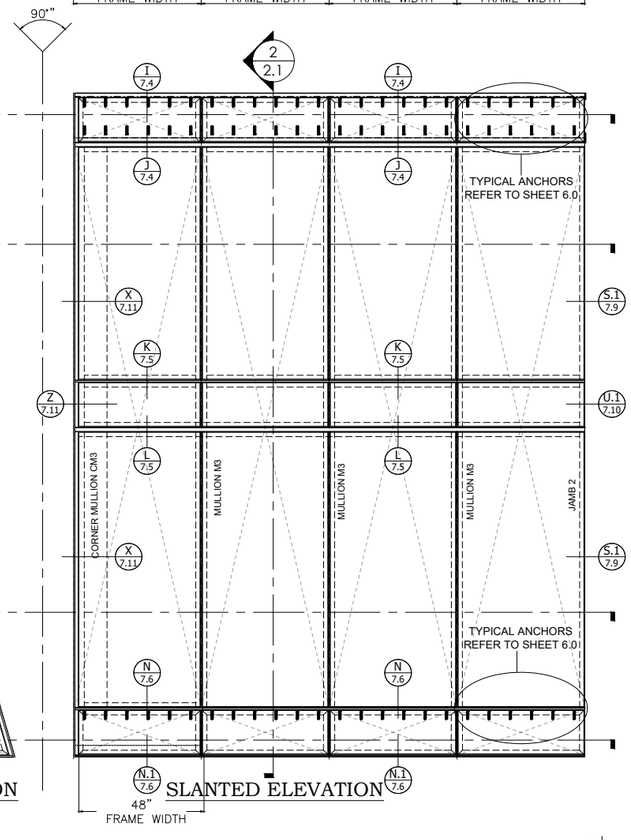
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MULLION M4

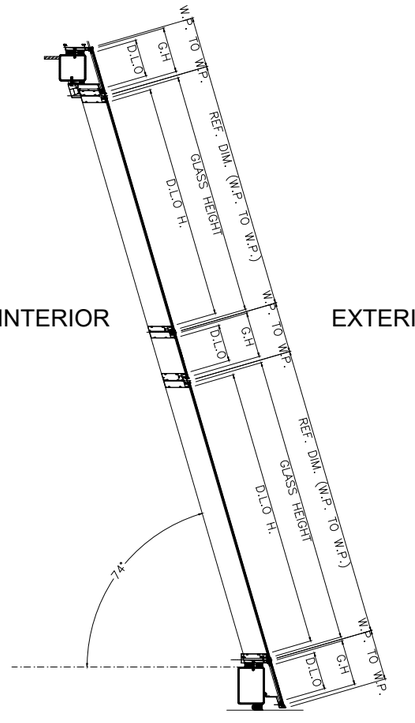


SECTION 1



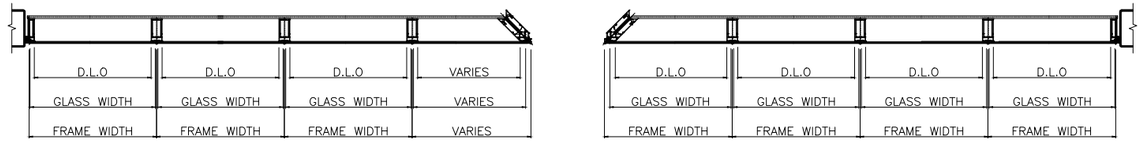
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SLANTED ELEVATION

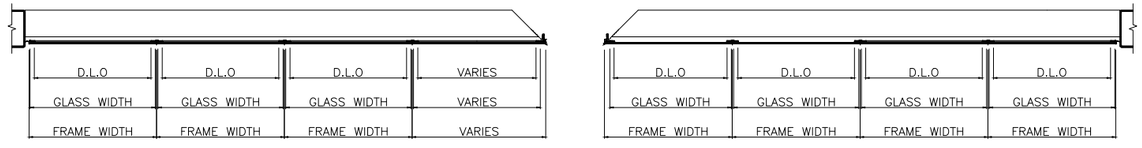


TYPICAL SECTION 2
SLANTED

PLAN VIEW 5



PLAN VIEW 6



MAXIMUM DESIGN LOAD RATING = +100/-130

E.S. WINDOWS, LLC

3550 N.W. 49 STREET
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PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
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SHEET NAME:
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DEERFIELD BEACH, FL 33443

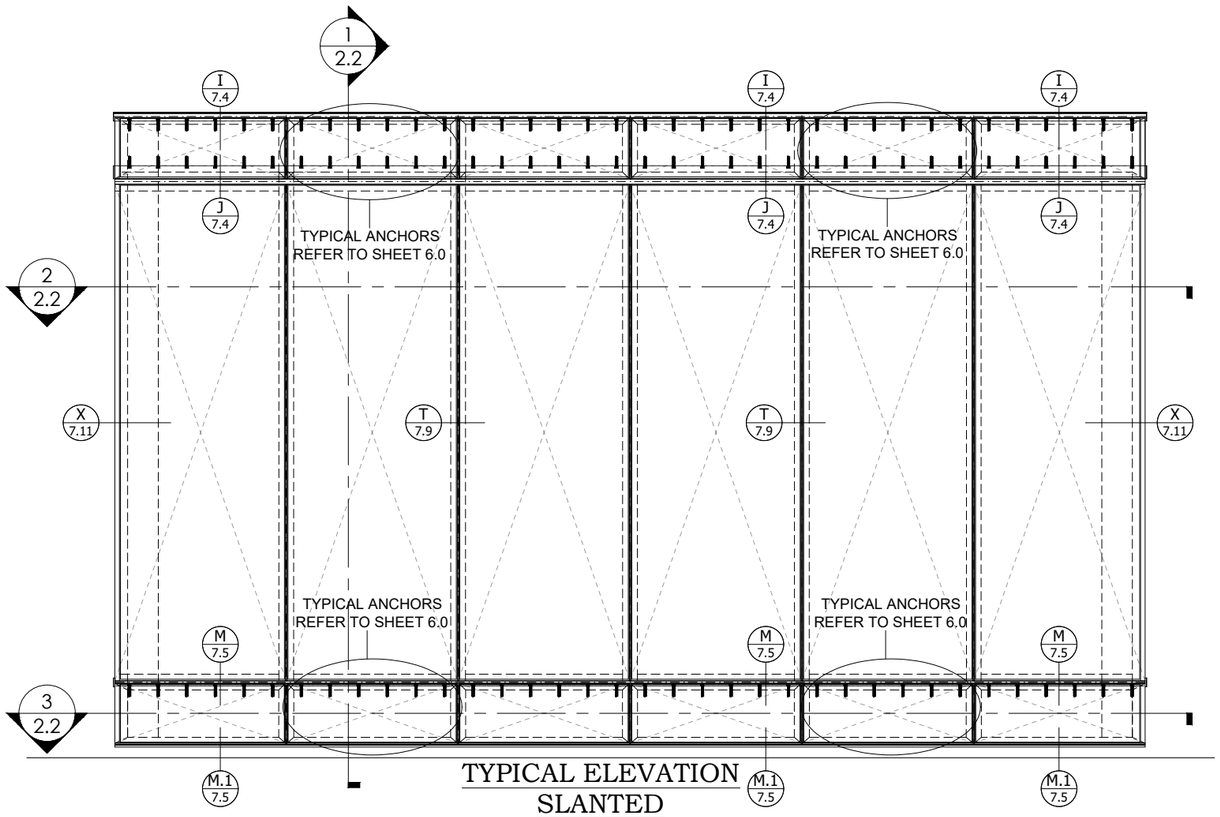
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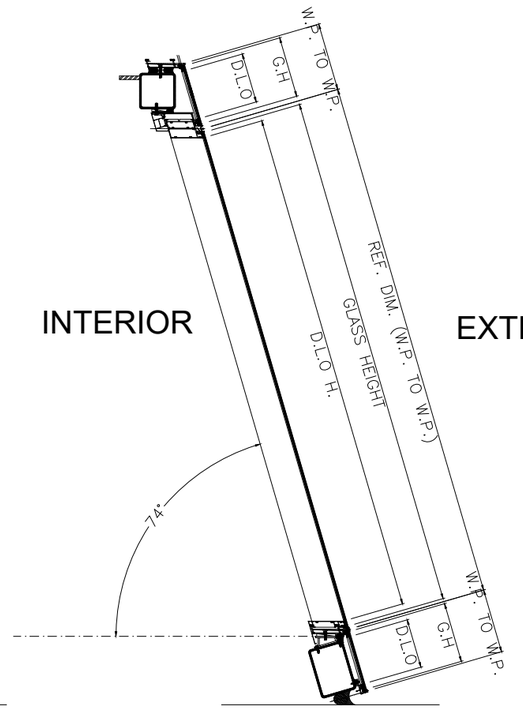
JOHN DELGADO, P.E.
FL. REG. # 94078

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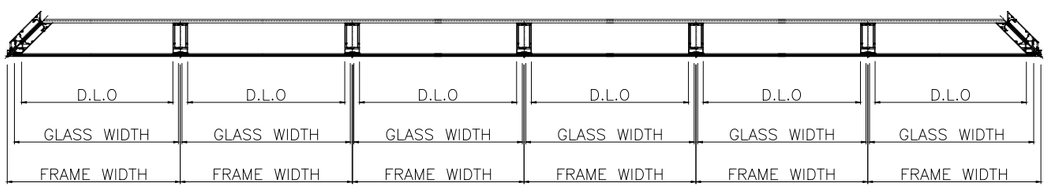
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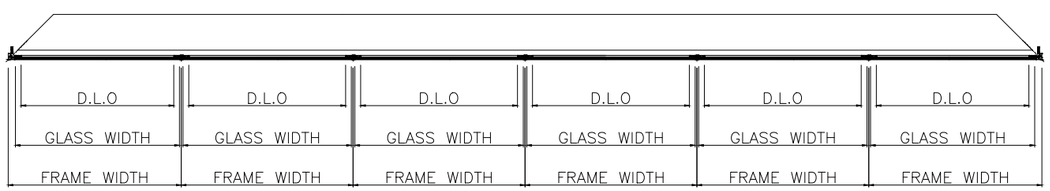
TYPICAL ELEVATION
SLANTED



TYPICAL SECTION 1
SLANTED



TYPICAL PLAN VIEW 2



TYPICAL PLAN VIEW 3

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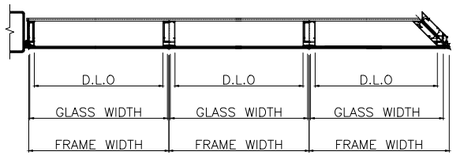
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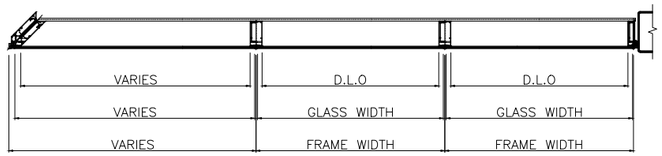
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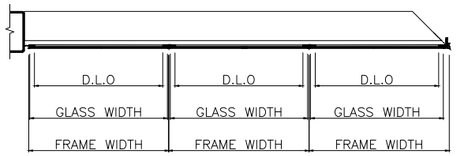
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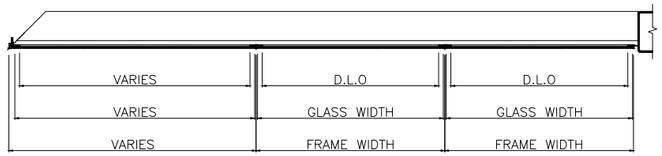
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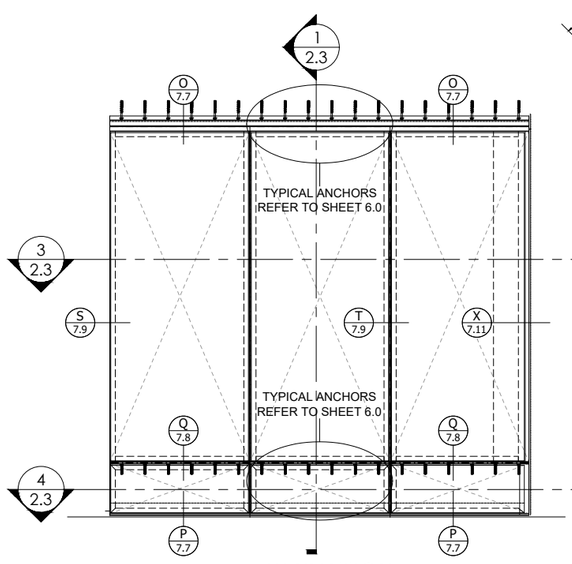


TYPICAL PLAN VIEW 3

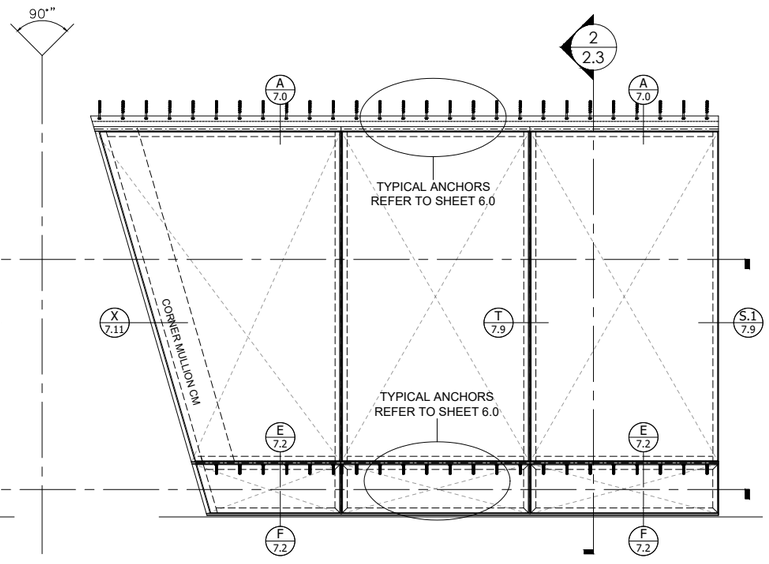




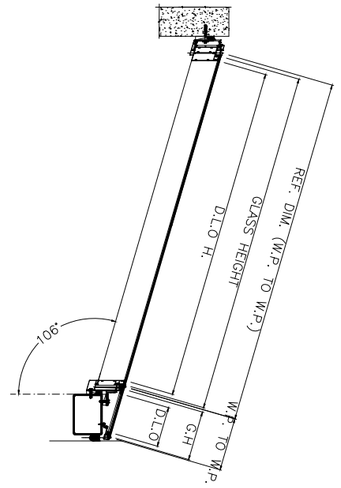
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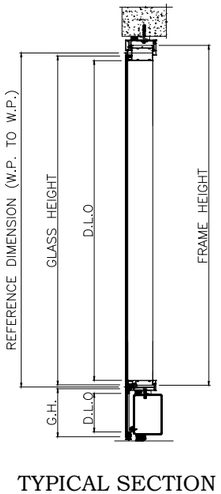
ELEVATION
SLANTED FORWARD



TYPICAL ELEVATION



SECTION 1
SLANTED FORWARD



TYPICAL SECTION 2

E.S.
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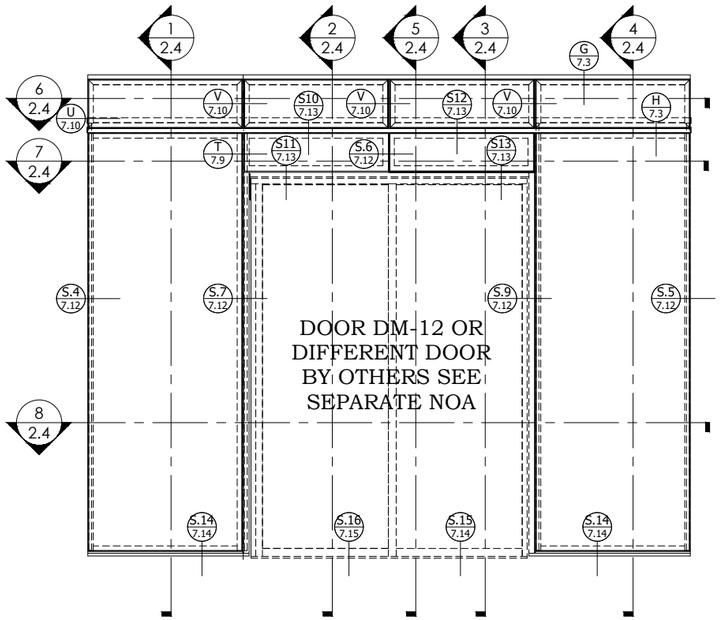
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FL. REG. # 94078

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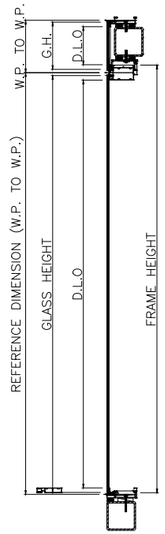
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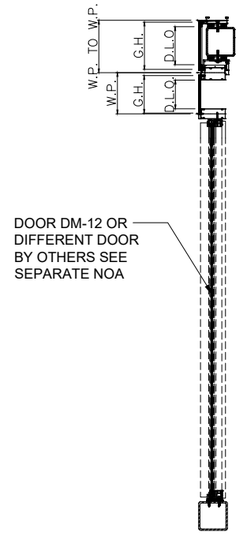
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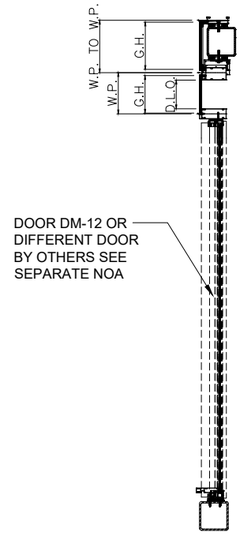
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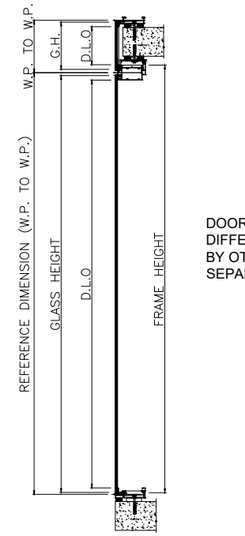
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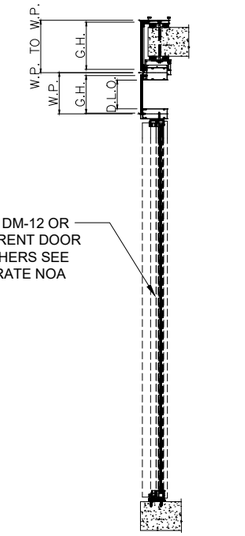
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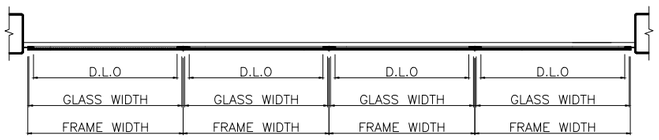
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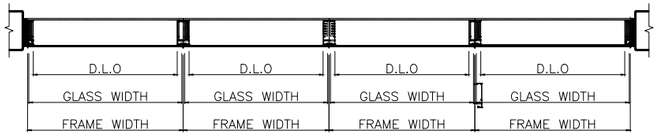
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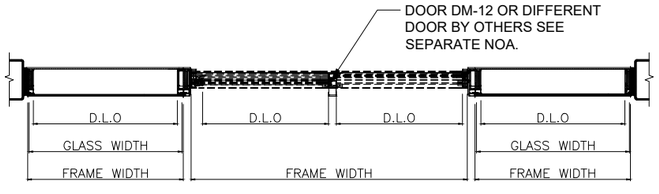
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TYPICAL PLAN VIEW 6



TYPICAL PLAN VIEW 7



TYPICAL PLAN VIEW 8

E.S.
WINDOWS, LLC

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

PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:
WINDOWS ELEVATION

DRAWING REVISION LOG

No.	Date:	Revision:
R1	05/02/2025	UPDATE
R3	08/25/2025	UPDATE
R4	10/22/2025	UPDATE
R5	04/16/2026	UPDATE

ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

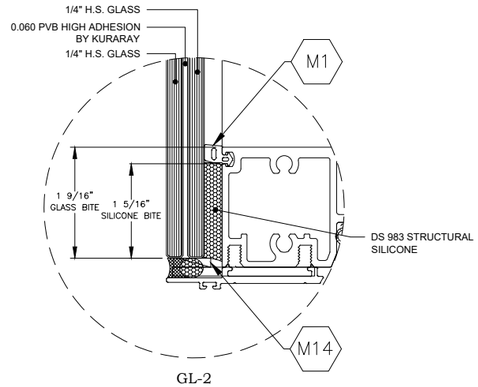
PO BOX 1339
DEERFIELD BEACH, FL 33443

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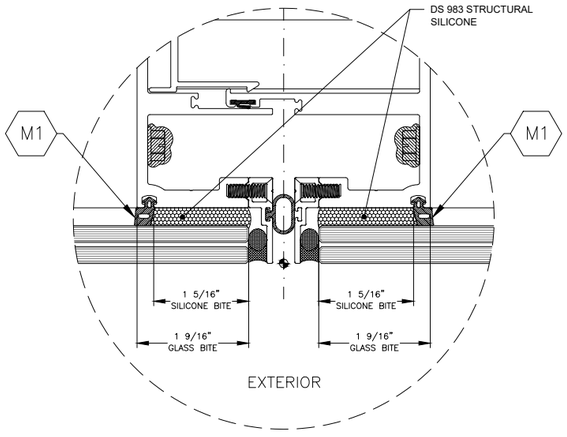
JOHN FREDY DELGADO LICENSE No. 94078 04/16/2026 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

PREPARED BY	DRAFTED BY	DATE
AC	SS & DF	05/02/2025
DWG NUMBER		SCALE
DT-PA-ESW-005		1/4"=1'-0"
PAGE		
2.4 OF 8.4		

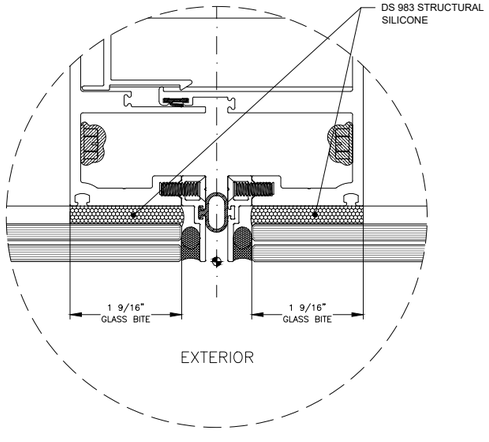


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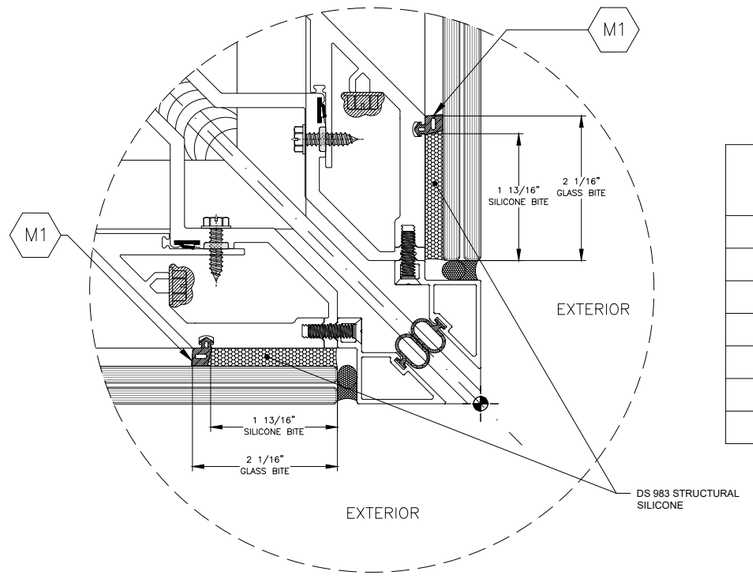
SSG MULLION WITH GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	130
50	130
56	130
62	121
68	111
72	105
77	98



SSG MULLION WITHOUT GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	130
48	130
56	130
62	130
68	130
72	125
77	116



SSG CORNER MULLIONS 1 WITH GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	130
48	130
56	130
62	130
68	130
72	130
77	130

GLASS SILICONE CAPACITY

E.S.
WINDOWS, LLC

3550 N.W. 49 STREET
MIAMI, FL 33142
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PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:
GLAZING DETAILS

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ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

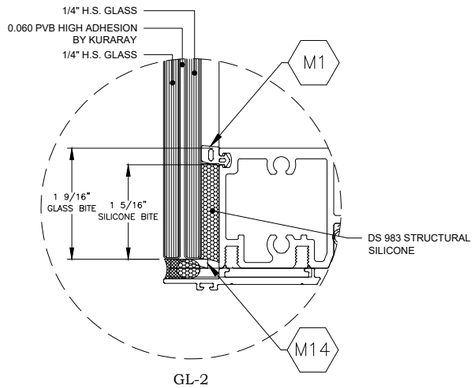
PO BOX 1339
DEERFIELD BEACH, FL 33443

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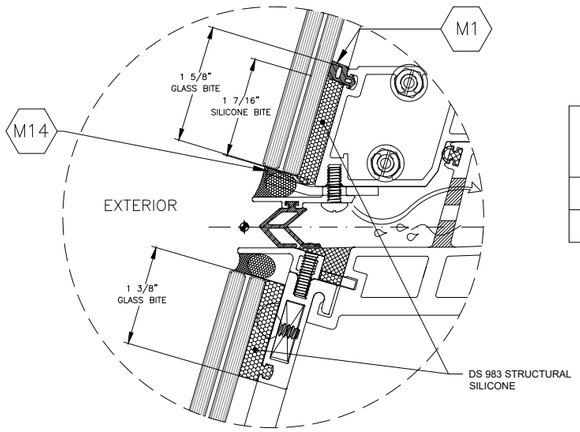
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JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY	DRAFTED BY	DATE
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DT-PA-ESW-005		N.T.S.
PAGE		
3.0 OF 8.4		

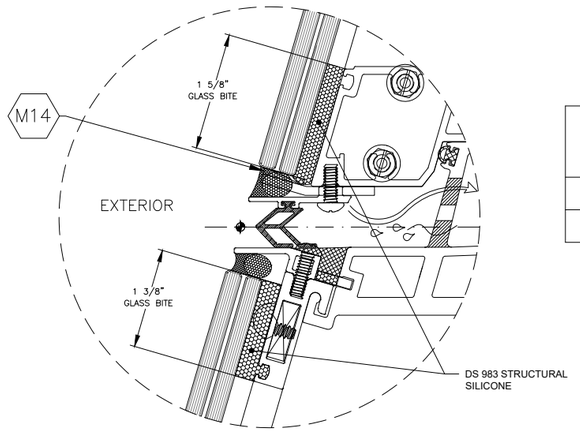


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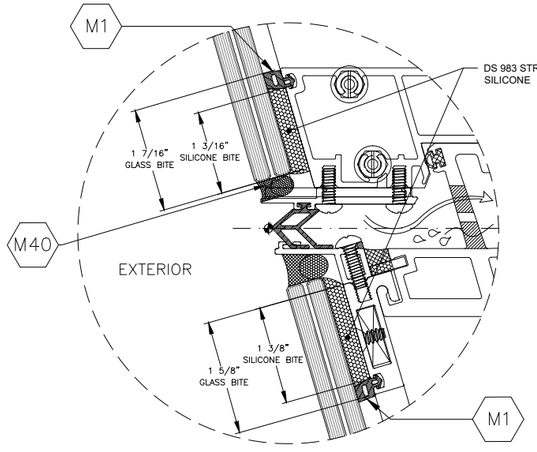
SSG SILL SLANTED WITH GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	130
47	110



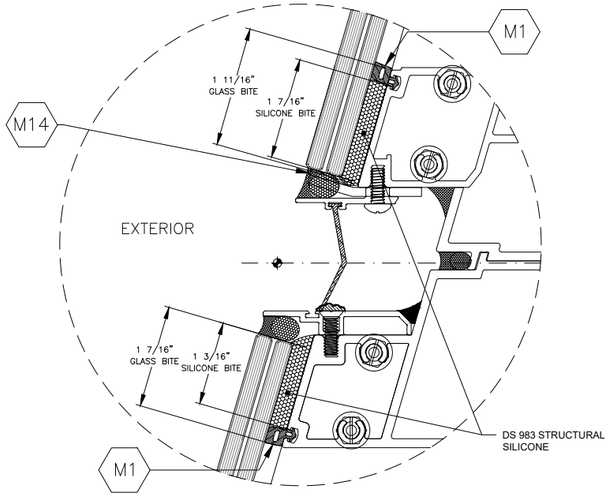
SSG SILL SLANTED WITHOUT GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	130
47	110



SSG SILL SLANTEDWITH GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	130
47	110



SSG INTERMEDIATE SLANTED WITH GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	130
47	110

GLASS SILICONE CAPACITY

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PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
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SHEET NAME:
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ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

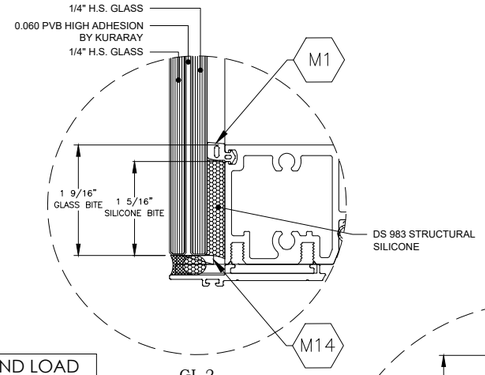
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JOHN FREDY DELGADO LICENSE No. 94078 04/16/2026 STATE OF FLORIDA PROFESSIONAL ENGINEER

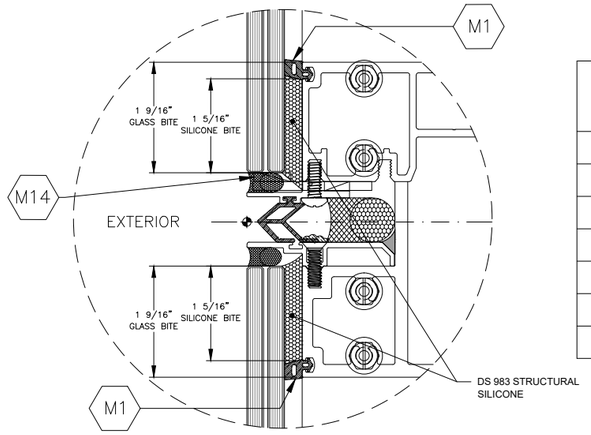
JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY	DRAFTED BY	DATE
AC	SS & DF	05/02/2025

DWG NUMBER: DT-PA-ESW-005
SCALE: N.T.S.
PAGE: 3.1 OF 8.4

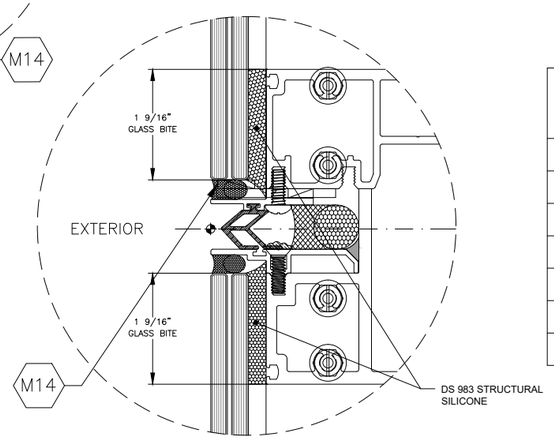


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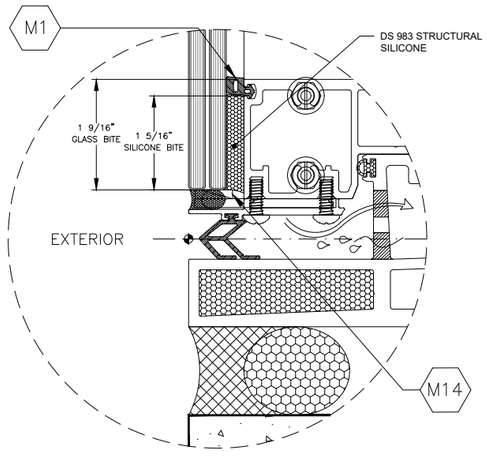
SSG INTERMIDIATE HORIZONTAL WITH GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	130
50	130
56	130
62	122
68	111
72	105
77	98



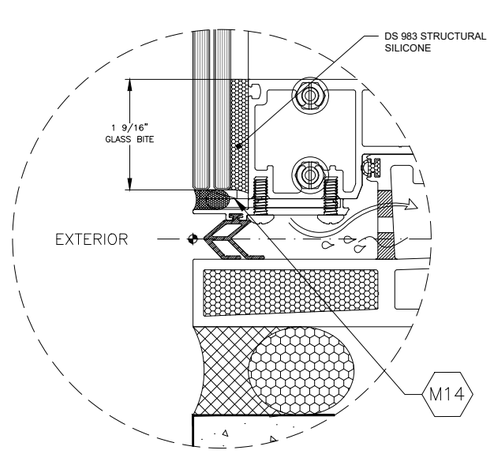
SSG INTERMIDIATE HORIZONTAL WITHOUT GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	130
48	130
56	130
62	130
68	130
72	125
77	116



SSG SILL WITH GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	130
50	130
56	130
62	122
68	111
72	105
77	98



SSG SILL WITHOUT GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	130
48	130
56	130
62	130
68	130
72	125
77	116

GLASS SILICONE CAPACITY

E.S.
WINDOWS, LLC

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

PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:
GLAZING DETAILS

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ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

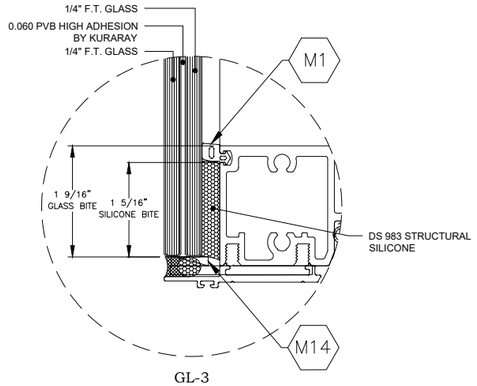
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JOHN FREDY DELGADO LICENSE No. 94078 04/16/2026 STATE OF FLORIDA PROFESSIONAL ENGINEER

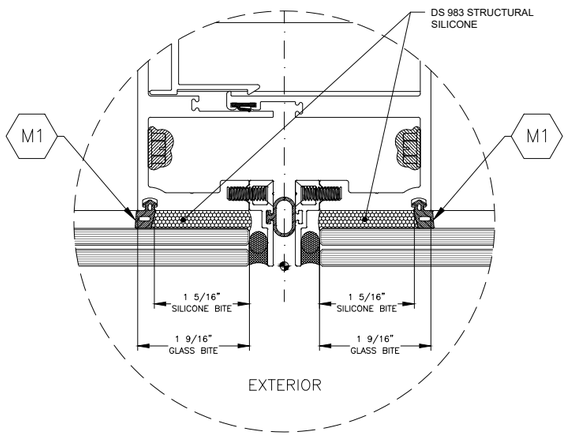
JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY	DRAFTED BY	DATE
AC	SS & DF	05/02/2025

DWG NUMBER: DT-PA-ESW-005
SCALE: N.T.S.
PAGE: 3.2 OF 8.2

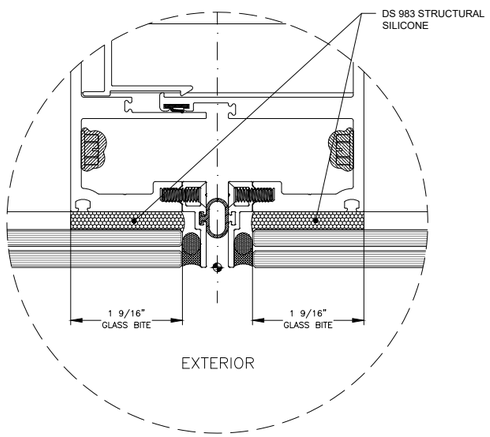


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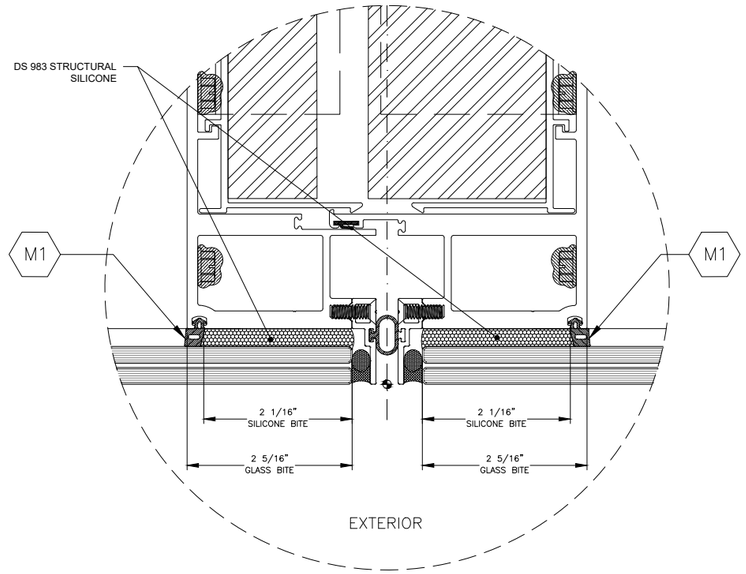
SSG MULLION WITH GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	200
47	160
54 1/4	139
58	130
66	114
75	100
82 1/8	92



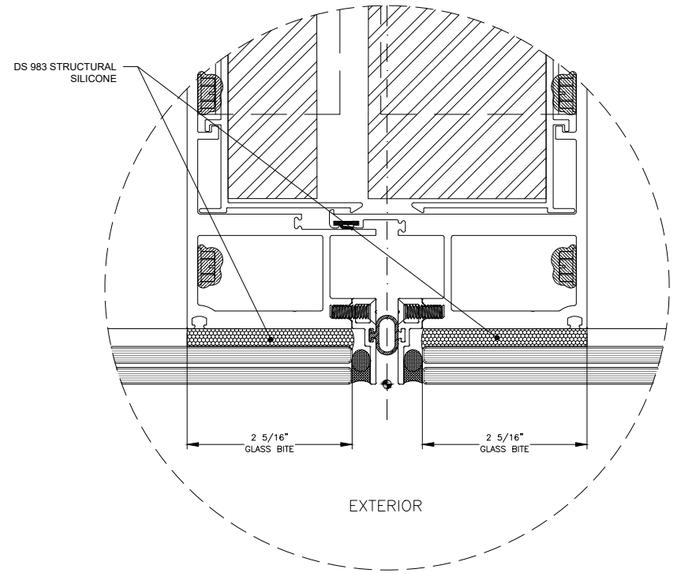
SSG MULLION WITHOUT GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	200
45	200
54	165
58	155
66	136
75	120
82 1/8	109



SSG MULLION 2 WITH GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	200
48	200
54	200
60	198
66	180
72	165
80	148
82 1/8	144



SSG MULLION 2 WITHOUT GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	200
48	200
54	200
60	200
66	200
72	185
80	166
82 1/8	162

GLASS SILICONE CAPACITY

E.S. WINDOWS, LLC

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

PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:
GLAZING DETAILS

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ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

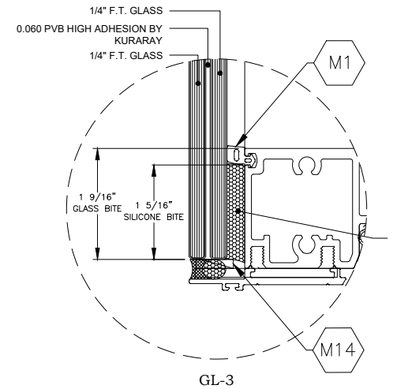
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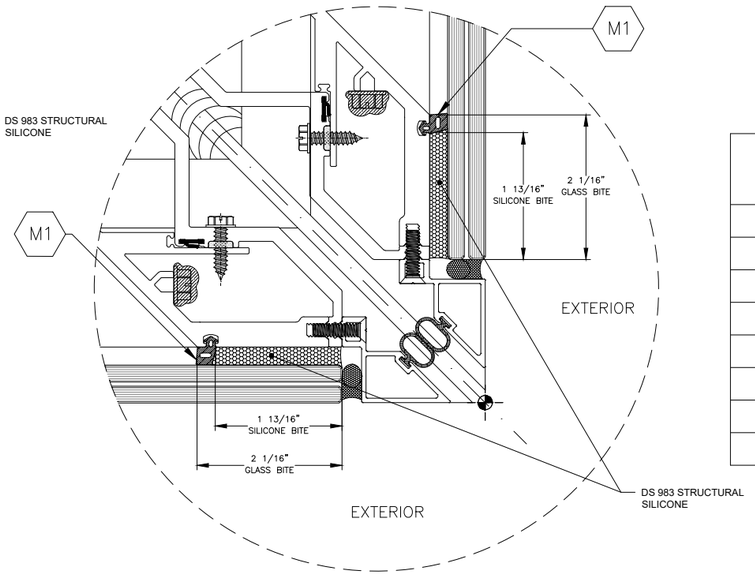
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FL. REG. # 94078

PREPARED BY	DRAFTED BY	DATE
AC	SS & DF	05/02/2025

DWG NUMBER: DT-PA-ESW-005
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PAGE: 3.3 OF 8.4

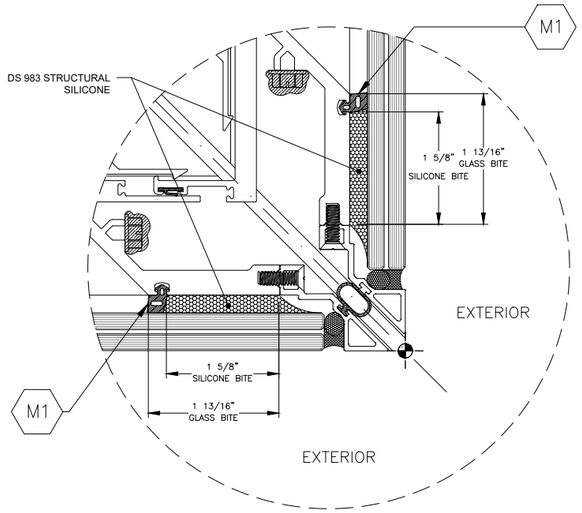


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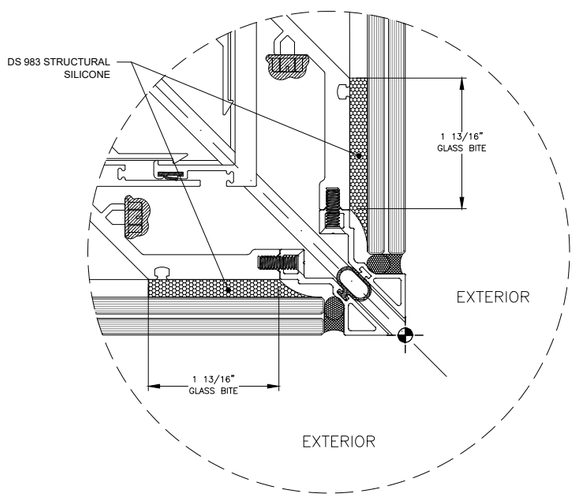
SSG CORNER MULLIONS 1 WITH GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	130
50	130
56	130
60	130
66	130
72	130
80	130
82	127



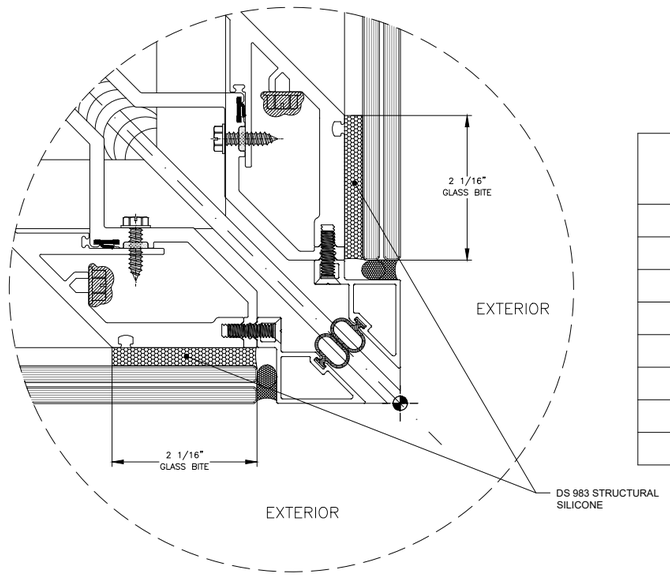
SSG CORNER MULLIONS 2 WITH GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	200
50	187
55 7/8	167
60	156
66	141
70	133
76	123
82 1/8	113



SSG CORNER MULLIONS 2 WITHOUT GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	200
50	200
55 7/8	186
60	174
66	158
70	149
76	137
82 1/8	127



SSG CORNER MULLIONS 1 WITHOUT GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	130
50	130
56	130
60	130
66	130
72	130
80	130
82	130

GLASS SILICONE CAPACITY

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PROJECT
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ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
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ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

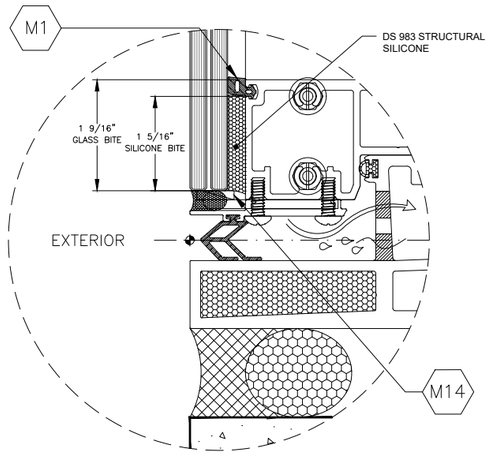
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04/16/2026

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

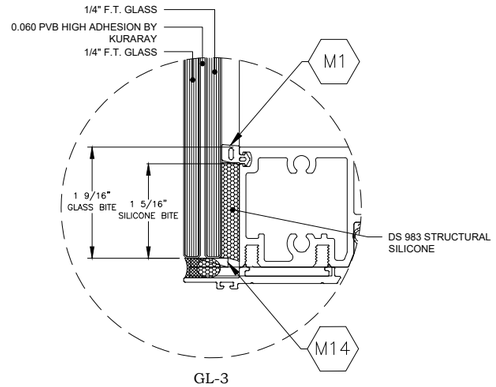
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PAGE: 3.4 OF 8.4

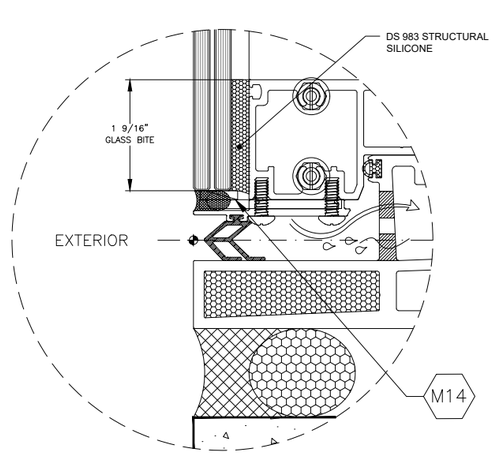


SSG HEAD/SILL WITH GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	200
47	160
54 1/4	139
58	130
66	114
75	100
82 1/8	92



GL-3



SSG HEAD/SILL WITHOUT GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	200
45	200
54 1/4	165
58	155
66	136
75	120
82 1/8	109

GLASS SILICONE CAPACITY

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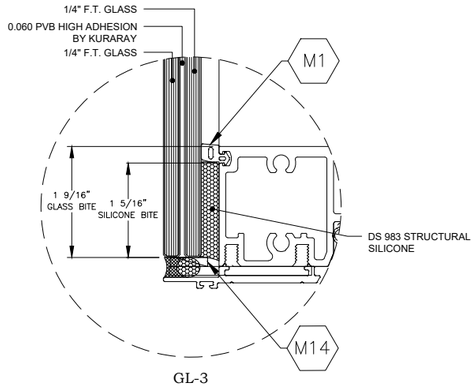
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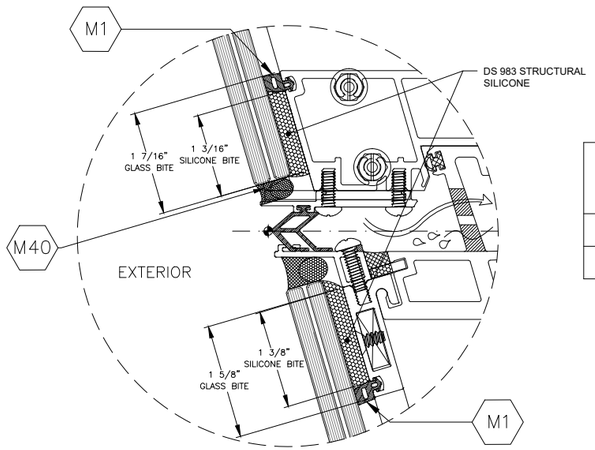
JOHN FREDY DELGADO LICENSE No. 94078 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/16/2026

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

PREPARED BY	DRAFTED BY	DATE
AC	SS & DF	05/02/2025
DWG NUMBER: DT-PA-ESW-005		SCALE: N.T.S.
PAGE: 3.5 OF 8.4		

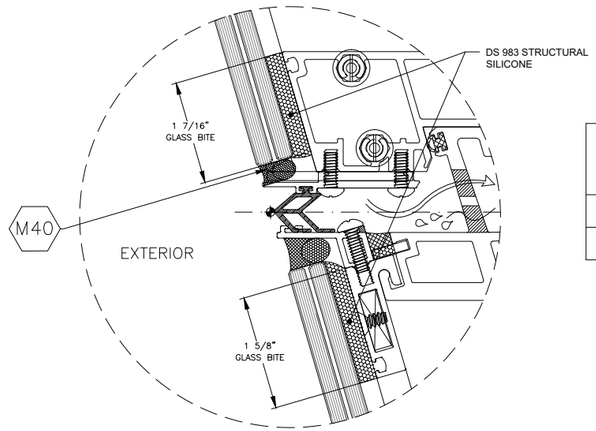


GL-3



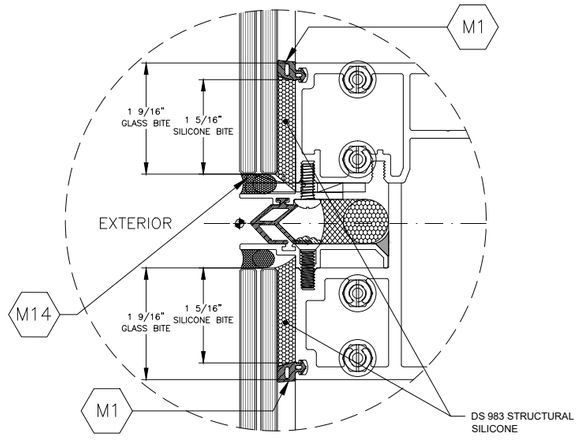
SSG SILL SLANTEDWITH GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	130
48	110



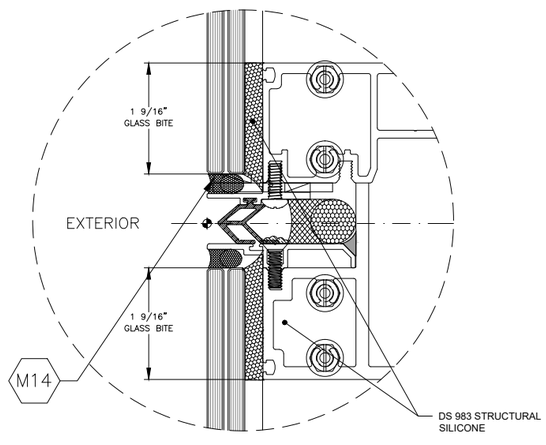
SSG SILL SLANTEDWITHOUT GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	130
48	110



SSG INTERMIDIATE HORIZONTAL 1 WITH GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	200
48	157
50	150
56	135
60	126
66	114
72	105
80	94
82 1/8	92



SSG INTERMIDIATE HORIZONTAL 1 WITHOUT GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	200
48	187
50	180
56	160
60	150
66	136
72	125
80	112
82 1/8	109

GLASS SILICONE CAPACITY

E.S.
WINDOWS, LLC

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

PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:
GLAZING DETAILS

DRAWING REVISION LOG

No.	Date:	Revision:
R1	05/02/2025	UPDATE
R3	08/25/2025	UPDATE
R4	10/22/2025	UPDATE
R5	04/16/2026	UPDATE

ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

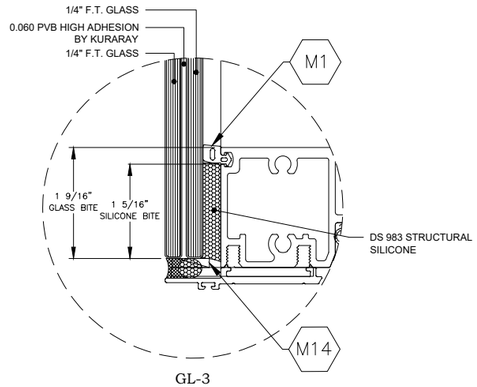
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JOHN FREDY DELGADO LICENSE No. 94078 STATE OF FLORIDA PROFESSIONAL ENGINEER 04/16/2026

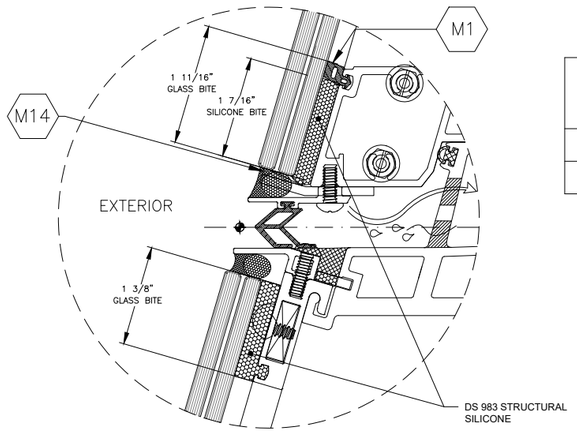
JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY	DRAFTED BY	DATE
AC	SS & DF	05/02/2025

DWG NUMBER: DT-PA-ESW-005
SCALE: N.T.S.
PAGE: 3.6 OF 8.4

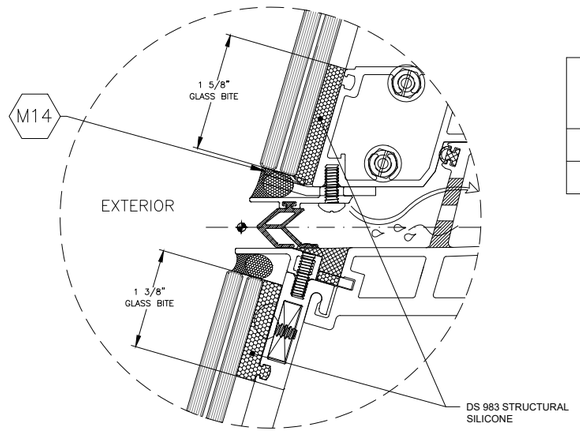


GL-3



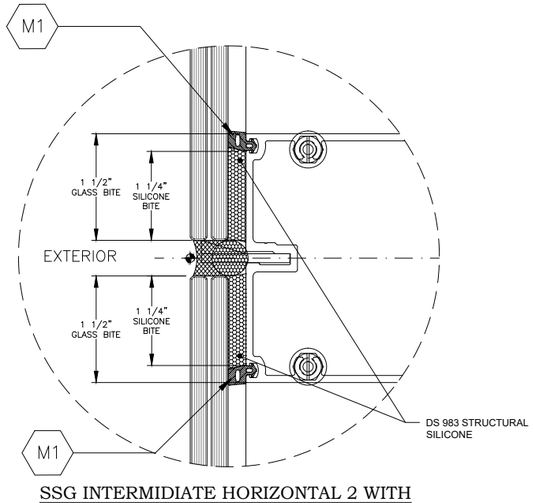
SSG SILL SLANTEDWITH GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	130
48	110



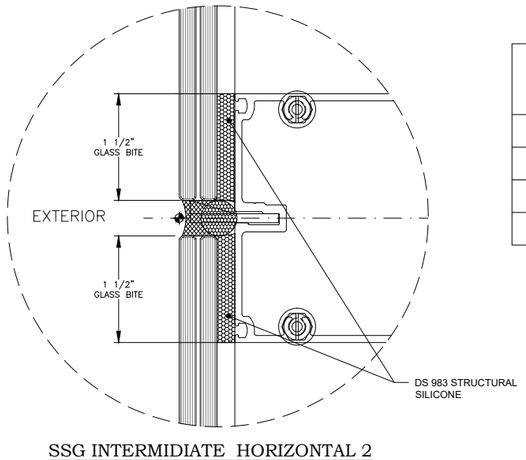
SSG SILL SLANTEDWITHOUT GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	130
48	110



SSG INTERMIDIATE HORIZONTAL 2 WITH GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	200
48	150
54	133
60	120



SSG INTERMIDIATE HORIZONTAL 2 WITHOUT GASKETS

GLASS WIDTH (in)	WIND LOAD PRESSURE (P.S.F.)
36	200
48	180
54	160
60	144

GLASS SILICONE CAPACITY

E.S.
WINDOWS, LLC

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

PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:
GLAZING DETAILS

DRAWING REVISION LOG

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R5	04/16/2026	UPDATE

ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

CHECKED FOR STRUCTURAL COMPLIANCE ONLY. BY:

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

PREPARED BY	DRAFTED BY	DATE
AC	SS & DF	05/02/2025
DWG NUMBER		SCALE
DT-PA-ESW-005		N.T.S.
PAGE		
3.7 OF 8.4		

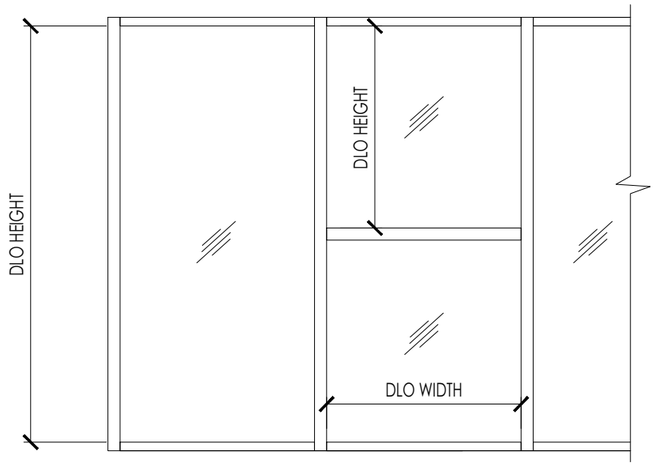
DESIGN LOAD CAPACITY – PSF EXT.(+) & INT. (–)			
NOMINAL DIMENSIONS		GL–2	
D.L.O. WIDTH	D.L.O. HEIGHT	+	–
36	86	130	130
48		130	130
54		130	130
60		130	130
66		124	124
72 3/4		117	117
36	96	130	130
48		130	130
54		130	130
60		130	130
66		112	112
70		109	109
36	102	130	130
48		130	130
54		118	118
60		111	111
66		104	104
36	108	130	130
43 7/8		130	130
48		125	125
54		112	112
60		105	105
36	114	130	130
43 7/8		130	130
48		121	121
54		107	107
58 1/2		100	100
36	120	130	130
43 7/8		130	130
48		117	117
54		102	102

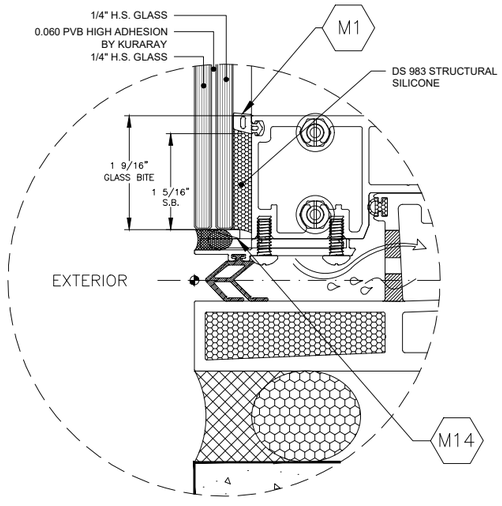
DESIGN LOAD CAPACITY – PSF EXT.(+) & INT. (–)			
NOMINAL DIMENSIONS		GL–2	
D.L.O. WIDTH	D.L.O. HEIGHT	+	–
36	126	130	130
42		130	130
43 7/8		128	128
48		117	117
52		102	102
36	132	130	130
42		130	130
43 7/8		125	125
48		117	117
51 1/2		102	102
36	138	130	130
42		130	130
43 7/8		123	123
48		108	108
49 1/2		102	102
36	144	130	130
42		130	130
45 7/8		108	108
36	149	130	130
42		128	128
45 7/8		112	112

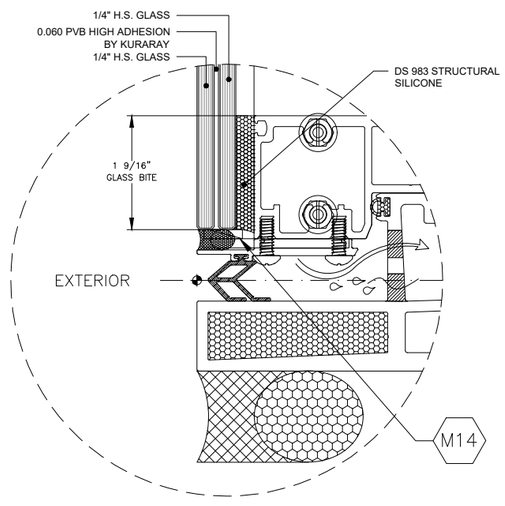
*GLASS CAPACITIES SHOWN ON TABLES ABOVE. REFER TO MEMBERS WITHOUT GASKETS, REFER TO SHEETS 3.0 - 3.2 FOR CAPACITIES WITH GASKETS

APPLIES TO:

SSG
GL-2







GLASS CAPACITY TABLE

E.S.
WINDOWS, LLC

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

PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:
GLASS
CAPACITY TABLE

DRAWING REVISION LOG

No.	Date:	Revision:
R1	05/02/2025	UPDATE
R3	08/25/2025	UPDATE
R4	10/22/2025	UPDATE
R5	04/16/2026	UPDATE

ENGINEER:

DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

CHECKED FOR STRUCTURAL COMPLIANCE ONLY. BY:

JOHN FREDY DELGADO LICENSE No. 94078 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/16/2026

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

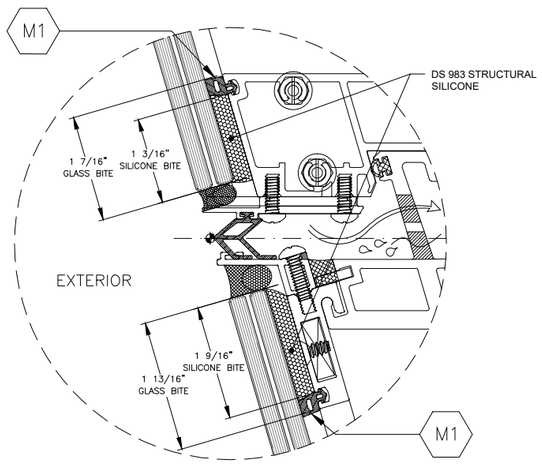
PREPARED BY	DRAFTED BY	DATE
AC	SS & DF	05/02/2025

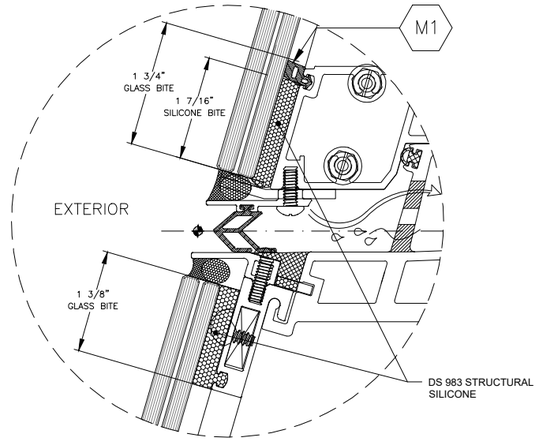
DWG NUMBER	SCALE
DT-PA-ESW-005	N.T.S.

PAGE 4.0 OF 8.4

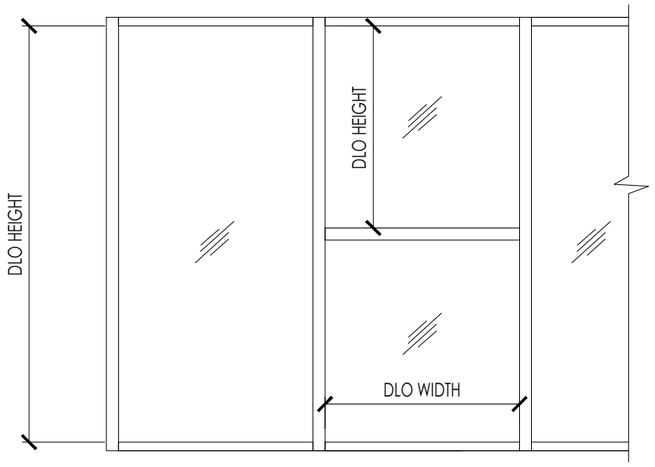
STRUCTURALLY GLAZED (SSG)
SLANTED GLASS CAPACITY TABLE

DESIGN LOAD CAPACITY – PSF EXT.(+) & INT. (–)			
NOMINAL DIMENSIONS		GL–2	
D.L.O. WIDTH	D.L.O. HEIGHT	+	–
36	88	110	110
40		110	110
43 7/8		110	110
36	104 1/8	110	110
40		110	110
43 7/8		110	110





GL-2: 1/4" H.S. + 0.060 PVB +1/4" H.S.



*GLASS CAPACITIES SHOWN ON TABLES ABOVE.
REFER TO MEMBERS WITHOUT GASKETS, REFER TO
SHEET 3.1 FOR CAPACITIES WITH GASKETS

GLASS CAPACITY TABLE

APPLIES TO:

SSG
GL-2

E.S.
WINDOWS, LLC

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

PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:
GLASS
CAPACITY TABLE

DRAWING REVISION LOG

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R1	05/02/2025	UPDATE
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R4	10/22/2025	UPDATE
R5	04/16/2026	UPDATE

ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

CHECKED FOR STRUCTURAL COMPLIANCE ONLY. BY:

JOHN FREDY DELGADO LICENSE No. 94078 04/16/2026 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

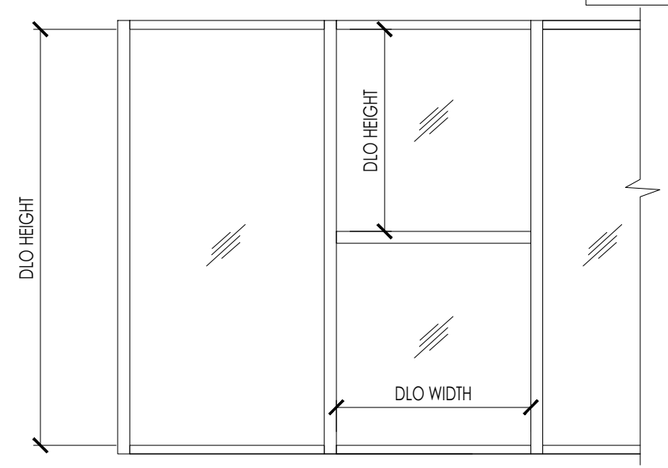
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AC	SS & DF	05/02/2025
DWG NUMBER: DT-PA-ESW-005		SCALE: N.T.S.
PAGE: 4.1 OF 8.4		

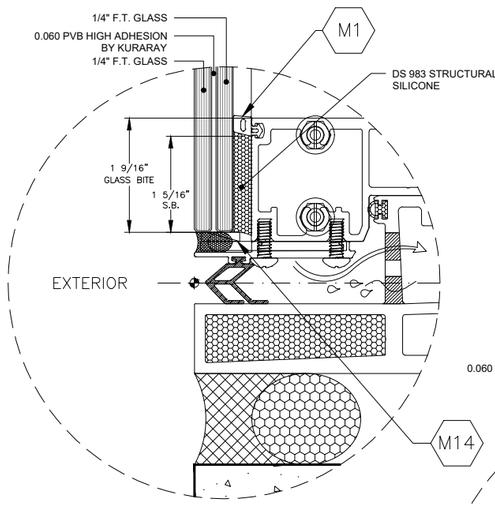
DESIGN LOAD CAPACITY – PSF EXT.(+) $ INT. (–)			
NOMINAL DIMENSIONS		GL–3	
D.L.O. WIDTH	D.L.O. HEIGHT	+	–
36	88	200	200
43 7/8		191	191
48		176	176
54		158	158
60		143	143
66		130	130
72		120	120
78 1/2		110	110
36	96	200	200
43 7/8		191	191
48		176	176
54		158	158
60		143	143
66		130	130
72		120	120
78 1/2		110	110
36	102	200	200
43 7/8		191	191
48		176	176
54		158	158
60		143	143
66		130	130
72		120	120
78 1/2		100	100
36	107	200	200
43 7/8		191	191
48		176	176
51 1/8		166	166
60		143	143
66		130	130
70		123	123
78 1/2		100	100
36	109 1/2	200	200
43 7/8		191	191
48		176	176
54		158	158
60		143	143
66		130	130
70		123	123
78 1/2		100	100
36	114	200	200
43 7/8		191	191
48		176	176
54		158	158
60		143	143
66		130	130
68		127	127
36	120	200	200
44		191	191
48		176	176
54		158	158
60		130	130
64		130	130

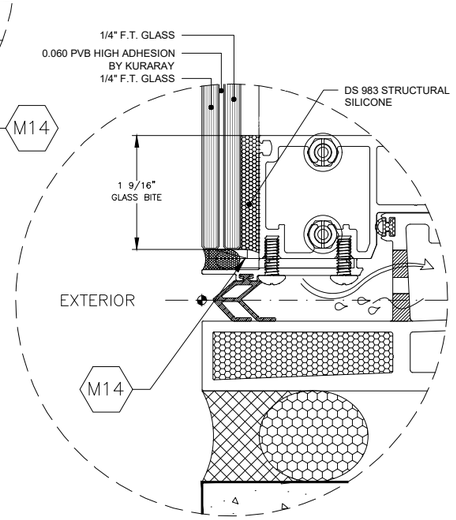
DESIGN LOAD CAPACITY – PSF EXT.(+) $ INT. (–)			
NOMINAL DIMENSIONS		GL–3	
D.L.O. WIDTH	D.L.O. HEIGHT	+	–
36	126	200	200
42		199	199
48		176	176
54		158	158
60		130	130
36	132	200	200
40		200	200
48		176	176
54		158	158
58		130	130
36	138	200	200
48		176	176
54		130	130
56		130	130
36	143 3/4	200	200
48		176	176
50		169	169
54		100	100
56		100	100
36	148	130	130
45 7/8		130	130
48		130	130
54		100	100
36	150	130	130
45 7/8		130	130
48		130	130
50		130	130
36	156	130	130
42		130	130
45 7/8		130	130
48		130	130
36	162	130	130
42		130	130
45 7/8		130	130
47		130	130
36	169 1/8	130	130
42		130	130
45 7/8		130	130

APPLIES TO:

SSG
GL-3







*GLASS CAPACITIES SHOWN ON TABLES ABOVE. REFER TO TYPICAL MULLION MEMBERS WITHOUT GASKETS, REFER TO SHEETS 3.3 - 3.7 FOR CAPACITIES WITH GASKETS OR WITH HIGHER CAPACITIES ON LONGER SILICONE BITE DIMENSIONS

GLASS CAPACITY TABLE

E.S.
WINDOWS, LLC

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

PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:
GLASS
CAPACITY TABLE

DRAWING REVISION LOG

No.	Date:	Revision:
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R3	08/25/2025	UPDATE
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ENGINEER:

DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

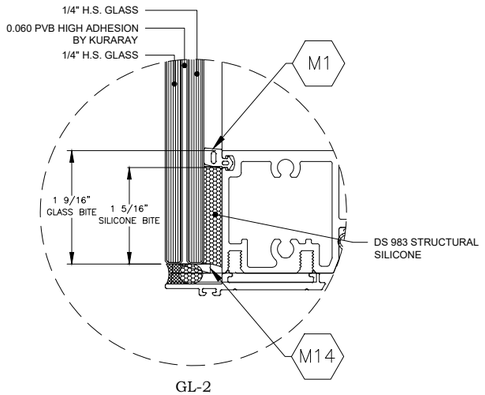
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04/16/2026

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FL. REG. # 94078

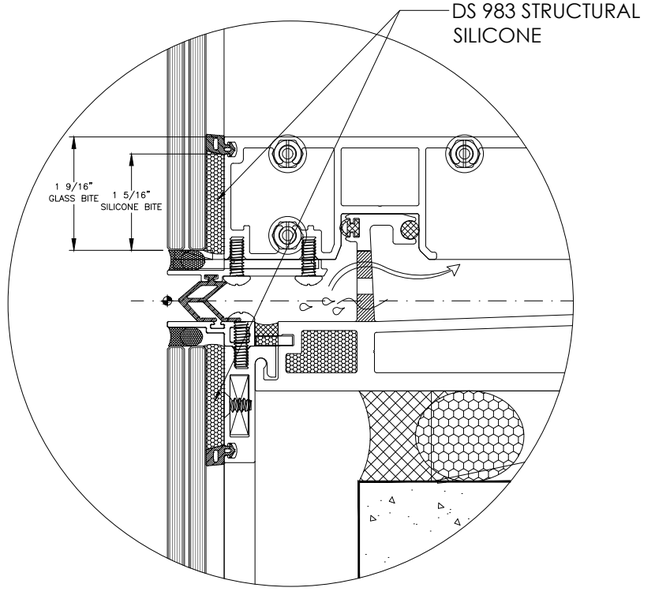
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DT-PA-ESW-005		N.T.S.
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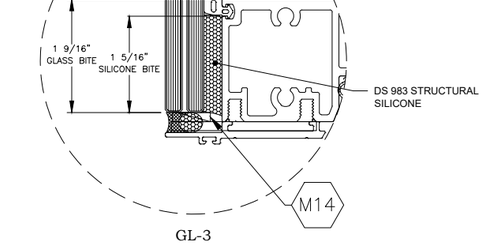
GLASS SLAB COVER CAPACITY



GL-2

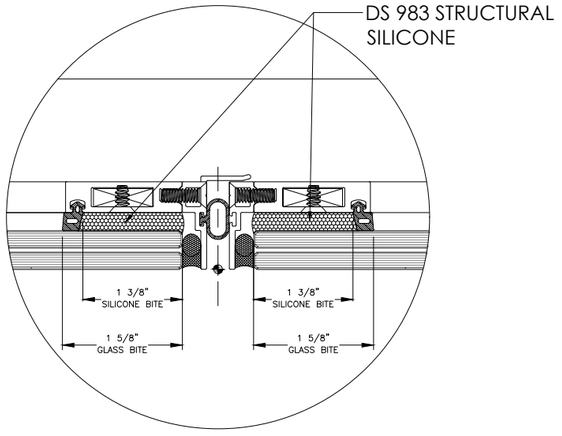
DESIGN LOAD CAPACITY - PSF (GL-2)			
NOMINAL DIMENSIONS		LOAD CAPACITY	
MAX DLO WIDTH	MAX DLO HEIGHT	+	-
45 7/8"	17 3/16"	130	200
49 15/19"	13 3/16"	130	200



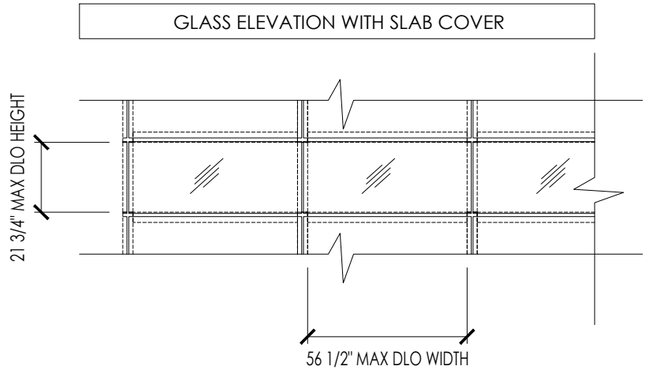


GL-3

DESIGN LOAD CAPACITY - PSF (GL-3)			
NOMINAL DIMENSIONS		LOAD CAPACITY	
MAX DLO WIDTH	MAX DLO HEIGHT	+	-
44 5/8"	20 5/16"	190	200
52 13/16"	14 5/16"	200	200



GLASS ELEVATION WITH SLAB COVER



E.S.
WINDOWS, LLC

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MIAMI, FL 33142
TEL. (305) 638-5151
FAX. (305) 638-5158

PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:
GLASS CAPACITY TABLE

DRAWING REVISION LOG

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R5	04/16/2026	UPDATE

ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

CHECKED FOR STRUCTURAL COMPLIANCE ONLY. BY:

JOHN FREDY DELGADO LICENSE No. 94078 STATE OF FLORIDA PROFESSIONAL ENGINEER 04/16/2026

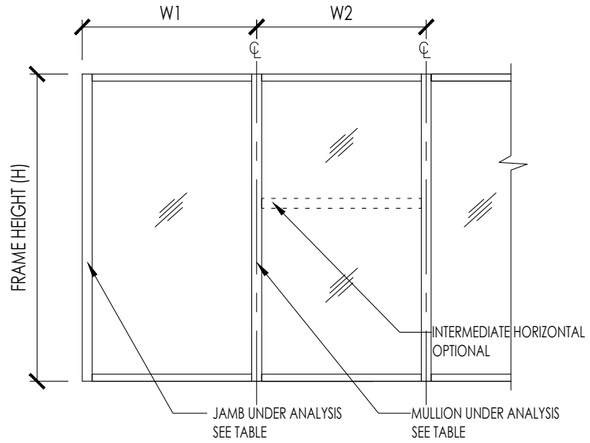
JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY	DRAFTED BY	DATE
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DWG NUMBER		SCALE
DT-PA-ESW-005		N.T.S.
PAGE		
4.3 OF 8.4		

SINGLE HEIGHT MULLION/JAMB DESIGN LOAD CAPACITY–P.S.F. WITH OR WITHOUT INTERMIDIATE HORIZONTAL					
NOMINAL DIMENSIONS		JAMB 'J1'		MULLION 'M1'	
WIDTH (W)	FRAME HEIGHT (H)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
36	88	200	200	200	200
48		200	200	200	200
54		200	200	200	200
60		200	200	200	200
66		200	200	200	200
72		190	190	190	190
76		190	190	190	190
80		190	190	190	190
86		170	170	170	170
36	96	200	200	200	200
48		200	200	200	200
54		200	200	200	200
60		200	200	200	200
66		190	190	190	190
72		190	190	190	190
76		190	190	190	190
80		170	170	170	170
86		130	130	130	130
36	102	200	200	200	200
48		200	200	200	200
54		200	200	200	200
60		200	200	200	200
66		190	190	190	190
72		190	190	190	190
76		170	170	170	170
80		130	130	130	130
86		130	130	130	130
36	108	200	200	200	200
48		200	200	200	200
54		200	200	200	200
60		190	190	190	190
66		190	190	190	190
72		170	170	170	170
76		130	130	130	130
80		130	130	130	130
36	116 3/8	200	200	200	200
48		200	200	200	200
54		200	200	200	200
60		190	190	190	190
66		170	170	170	170
72		130	130	130	130
75 1/2		130	130	130	130
36	119 3/4	200	200	200	200
48		200	200	200	200
52 3/4		200	200	200	200
54		190	190	190	190
60		190	190	190	190
72		130	130	130	130
75 1/2		130	130	130	130
36	122	200	200	200	200
48		190	190	190	190
54		190	190	190	190
60		190	190	190	190
66		130	130	130	130
72		130	130	130	130

SINGLE HEIGHT MULLION/JAMB DESIGN LOAD CAPACITY–P.S.F. WITH OR WITHOUT INTERMIDIATE HORIZONTAL					
NOMINAL DIMENSIONS		JAMB 'J1'		MULLION 'M1'	
WIDTH (W)	FRAME HEIGHT (H)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
36	126	200	200	200	200
48		190	190	190	190
52		190	190	190	190
54		190	190	190	190
60		170	170	170	170
66		130	130	130	130
69		130	130	130	130
36	130	190	190	190	190
48		190	190	190	190
51		190	190	190	190
54		190	190	190	190
60		170	170	170	170
66		130	130	130	130
36	132	190	190	190	190
48		190	190	190	190
54		190	190	190	190
60		130	130	130	130
66		130	130	130	130
36	138	190	190	190	190
48		190	190	190	190
54		190	190	190	190
60		130	130	130	130
63		130	130	130	130
36	144	190	190	190	190
42		190	190	190	190
48		190	190	190	190
54		170	170	170	170
60		130	130	130	130
36	150	190	190	190	190
42		190	190	190	190
48		190	190	190	190
54		130	130	130	130
58		130	130	130	130
36	156	190	190	190	190
42		190	190	190	190
48		190	190	190	190
54		130	130	130	130
56		130	130	130	130
36	162	130	130	130	130
42		130	130	130	130
48		130	130	130	130
54		130	130	130	130
36	168	130	130	130	130
42		130	130	130	130
48		130	130	130	130
52		130	130	130	130
36	176	130	150	130	150
42		130	130	130	130
48		130	130	130	130
49 7/8		130	130	130	130

JAMB & MULLION CAPACITY TABLE WITH OR WITHOUT INTERMEDIATE HORIZONTALS



LEGEND

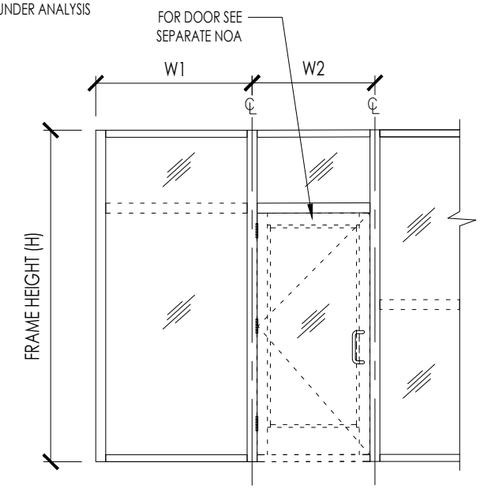
FOR MULLIONS:

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

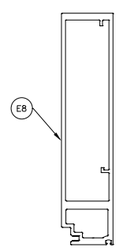
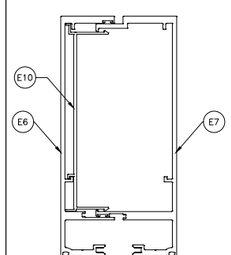
W = (W1 + W2) / 2

FOR JAMBS:

W = W1



W (AT MULLION)= (W1 + W2) / 2

	JAMB 'J1'		MULLION 'M1'	
	 SSG		 SSG	
	Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3
ALUMINUM	32.6236	7.115444	57.65	11.84617
STEEL	-	-	-	-
TOTAL Ix ALUM + Ix STL X 2.9	32.6236	-	57.65	-

E.S. WINDOWS, LLC

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

PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:
JAMB/MULLION CAPACITY TABLE

DRAWING REVISION LOG

No.	Date:	Revision:
R1	05/02/2025	UPDATE
R3	08/25/2025	UPDATE
R4	10/22/2025	UPDATE
R5	04/16/2026	UPDATE

ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

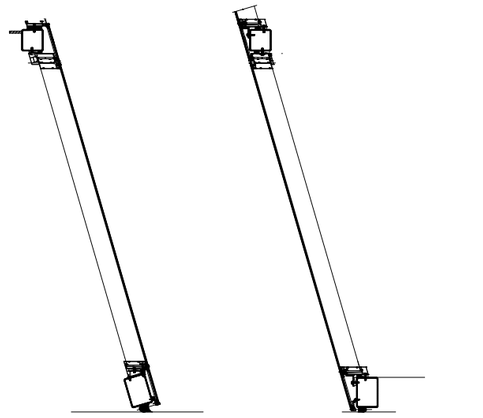
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JOHN FREDY DELGADO LICENSE No. 94078 04/16/2026 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

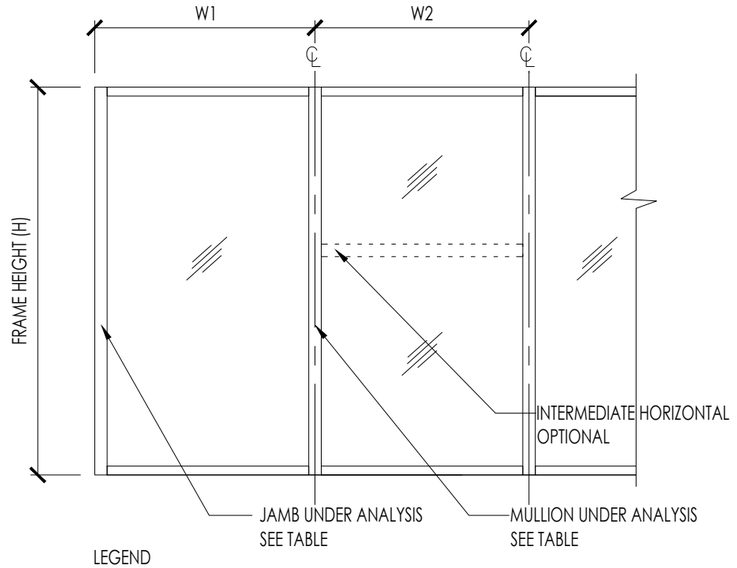
PREPARED BY	DRAFTED BY	DATE
AC	SS & DF	05/02/2025
DWG NUMBER		SCALE
DT-PA-ESW-005		N.T.S.
PAGE		
5.0 OF 8.4		

SLANTED SINGLE HEIGHT MULLION/JAMB DESIGN LOAD CAPACITY–P.S.F. WITH OR WITHOUT INTERMIDIATE HORIZONTAL					
NOMINAL DIMENSIONS		JAMB 'J1'		MULLION 'M1'	
WIDTH (W)	FRAME HEIGHT (H)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
36	88	110	110	110	110
48		110	110	110	110
54		110	110	110	110
60		100	100	100	100
64		100	100	100	100
36	96	110	110	110	110
48		110	110	110	110
54		110	110	110	110
58		100	100	100	100
36	102	110	110	110	110
48		110	110	110	110
54		110	110	110	110
56		100	100	100	100
36	108	110	110	110	110
48		110	110	110	110
52		100	100	100	100
36	114	110	110	110	110
48		110	110	110	110
36	119 1/16	110	110	110	110
48		110	110	110	110



SLANTED SECTION

SLANTED FORWARD SECTION



JAMB & MULLION SLANTED CAPACITY TABLE WITH OR WITHOUT INTERMEDIATE HORIZONTALS

LEGEND

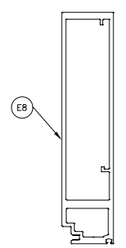
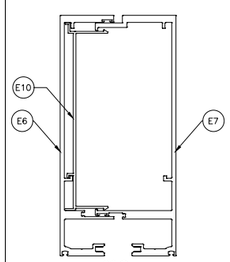
FOR MULLIONS:

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

FOR JAMBS:

W = W1

	JAMB 'J1'		MULLION 'M1'	
	 SSG		 SSG	
	Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3
ALUMINUM	32.6236	7.115444	57.65	11.8462
STEEL	-	-	-	-
TOTAL Ix ALUM + Ix STL X 2.9	32.6236	-	57.65	-

E.S. WINDOWS, LLC

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

PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:
JAMB/MULLION CAPACITY TABLE

DRAWING REVISION LOG

No.	Date:	Revision:
R1	05/02/2025	UPDATE
R3	08/25/2025	UPDATE
R4	10/22/2025	UPDATE
R5	04/16/2026	UPDATE

ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

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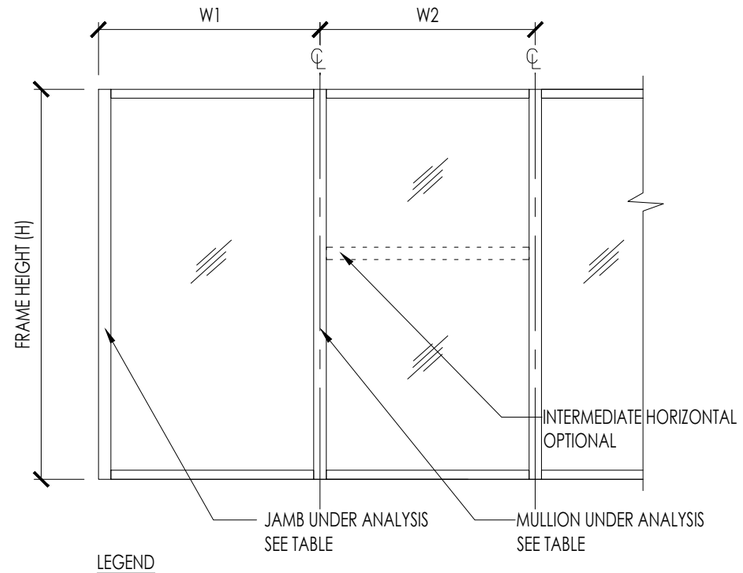
JOHN FREDY DELGADO LICENSE No. 94078 STATE OF FLORIDA PROFESSIONAL ENGINEER 04/16/2026

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

PREPARED BY	DRAFTED BY	DATE
AC	SS & DF	05/02/2025
DWG NUMBER		SCALE
DT-PA-ESW-005		N.T.S.
PAGE		
5.1 OF 8.4		

DOUBLE HEIGHT MULLION/JAMB DESIGN LOAD CAPACITY–P.S.F.					
WITH OR WITHOUT INTERMIDIATE HORIZONTAL					
NOMINAL DIMENSIONS		JAMB 'J2'		MULLION 'M3'	
WIDTH (W)	FRAME HEIGHT (H)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
36	130	150	150	190	200
42		150	150	190	200
48		150	150	190	200
54		150	150	190	200
60		130	130	190	200
66		–	–	130	130
36	138	150	150	190	200
42		150	150	190	200
48		150	150	190	200
54		130	130	190	200
60		130	130	130	130
63		130	130	130	130
36	146	150	150	190	200
42		150	150	190	200
48		150	150	190	200
54		130	130	190	200
60		130	130	130	130
36	154	150	150	190	200
42		150	150	190	200
48		130	130	190	200
54		130	130	130	130
60		130	130	130	130
36	162	150	150	190	200
42		150	150	190	200
48		130	130	190	200
54		130	130	130	130
60		130	130	130	130
36	171 7/8	150	150	190	200
42		130	130	190	200
48		130	130	190	200
54		130	130	130	130
60		130	130	130	130

DOUBLE HEIGHT MULLION/JAMB DESIGN LOAD CAPACITY–P.S.F.					
WITH OR WITHOUT INTERMIDIATE HORIZONTAL					
NOMINAL DIMENSIONS		JAMB 'J2'		MULLION 'M3'	
WIDTH (W)	FRAME HEIGHT (H)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
36	184	150	150	130	130
42		130	130	130	130
48		130	130	130	130
54		130	130	130	130
36	190	150	150	130	130
42		130	130	130	130
48		130	130	130	130
52		130	130	130	130
36	196	130	130	130	130
42		130	130	130	130
48		130	130	130	130
52		130	130	130	130
36	202	130	130	130	130
42		130	130	130	130
48		130	130	130	130
50		130	130	130	130
36	210	130	130	130	130
42		130	130	130	130
48		130	130	130	130
36	213 7/8	130	130	130	130
42		130	130	130	130
48		130	130	130	130



LEGEND

FOR MULLIONS:

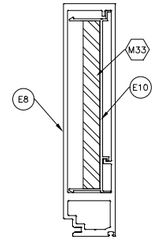
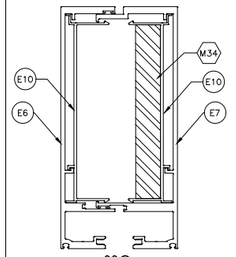
W1: WIDTH OF UNIT LEFT TO THE ANALYZED MULLION
W2: WIDTH OF UNIT RIGHT TO THE ANALYZED MULLION
W: TRIBUTARY WIDTH OF ANALYZED MULLION TO BE USED IN THE TABLE ON THE LEFT

W = (W1 + W2) / 2

FOR JAMBS:

W = W1

JAMB & MULLION SLANTED CAPACITY TABLE WITH OR WITHOUT INTERMEDIATE HORIZONTALS

	JAMB 'J2'		MULLION 'M3'	
	 SSG		 SSG	
	Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3
ALUMINUM	37.039	7.115	62.065	11.8462
STEEL	9	3	18	6
TOTAL Ix ALUM + Ix STL X 2.9	63.139	-	88.165	-

E.S. WINDOWS, LLC

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

PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:
JAMB/MULLION CAPACITY TABLE

DRAWING REVISION LOG

No.	Date:	Revision:
R1	05/02/2025	UPDATE
R3	08/25/2025	UPDATE
R4	10/22/2025	UPDATE
R5	04/16/2026	UPDATE

ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

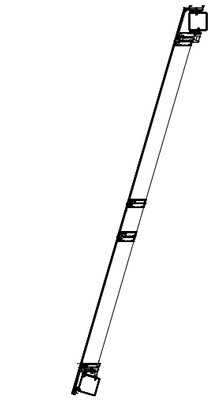
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JOHN FREDY DELGADO LICENSE No. 94078 STATE OF FLORIDA PROFESSIONAL ENGINEER 04/16/2026

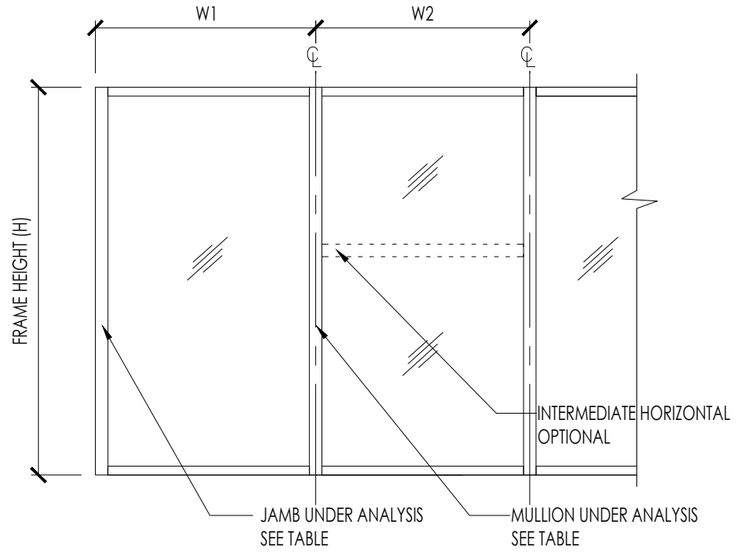
JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY	DRAFTED BY	DATE
AC	SS & DF	05/02/2025
DWG NUMBER: DT-PA-ESW-005		SCALE: N.T.S.
PAGE: 5.2 OF 8.4		

SLANTED DOUBLE HEIGHT MULLION/JAMB DESIGN LOAD CAPACITY–P.S.F.							
WITH OR WITHOUT INTERMIDIATE HORIZONTAL							
NOMINAL DIMENSIONS		JAMB 'J2'		MULLION 'M2'		MULLION 'M3'	
WIDTH (W)	FRAME HEIGHT (H)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
36	184	90	90	90	90	90	90
42		90	90	90	90	90	90
48		90	90	90	90	90	90
54		90	90	90	90	90	90
57		90	90	90	90	90	90
36	190	90	90	90	90	90	90
42		90	90	90	90	90	90
48		90	90	90	90	90	90
54		90	90	90	90	90	90
36	196	90	90	90	90	90	90
42		90	90	90	90	90	90
48		90	90	90	90	90	90
54		90	90	90	90	90	90
36	202	90	90	90	90	90	90
42		90	90	90	90	90	90
48		90	90	90	90	90	90
52		90	90	90	90	90	90
36	210	90	90	90	90	90	90
42		90	90	90	90	90	90
50		90	90	90	90	90	90
36	214	90	90	90	90	90	90
42		90	90	90	90	90	90
48		90	90	90	90	90	90
36	222 3/4	90	90	90	90	90	90
42		90	90	90	90	90	90
48		90	90	90	90	90	90



SLANTED SECTION



LEGEND

FOR MULLIONS:

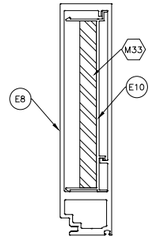
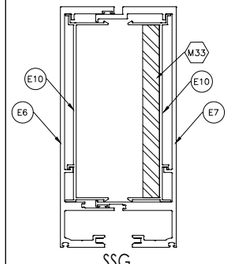
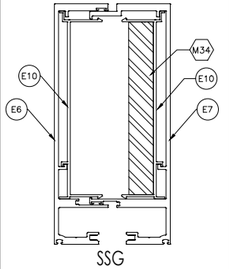
W1: WIDTH OF UNIT LEFT TO THE ANALYZED MULLION
W2: WIDTH OF UNIT RIGHT TO THE ANALYZED MULLION
W: TRIBUTARY WIDTH OF ANALYZED MULLION TO BE USED IN THE TABLE ON THE LEFT

W = (W1 + W2) / 2

FOR JAMBS:

W = W1

JAMB & MULLION SLANTED CAPACITY TABLE WITH OR WITHOUT INTERMEDIATE HORIZONTALS

	JAMB 'J2'		MULLION 'M2'		MULLION 'M3'	
	 SSG		 SSG		 SSG	
	Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3
ALUMINUM	37.039	7.115	62.065	11.8462	62.065	11.8462
STEEL	9	3	9	3	18	6
TOTAL Ix ALUM + Ix STL X 2.9	63.139	-	88.165	-	114.265	-

E.S. WINDOWS, LLC

3550 N.W. 49 STREET
MIAMI, FL 33142
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PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:
JAMB/MULLION CAPACITY TABLE

DRAWING REVISION LOG

No.	Date:	Revision:
R1	05/02/2025	UPDATE
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R4	10/22/2025	UPDATE
R5	04/16/2026	UPDATE

ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

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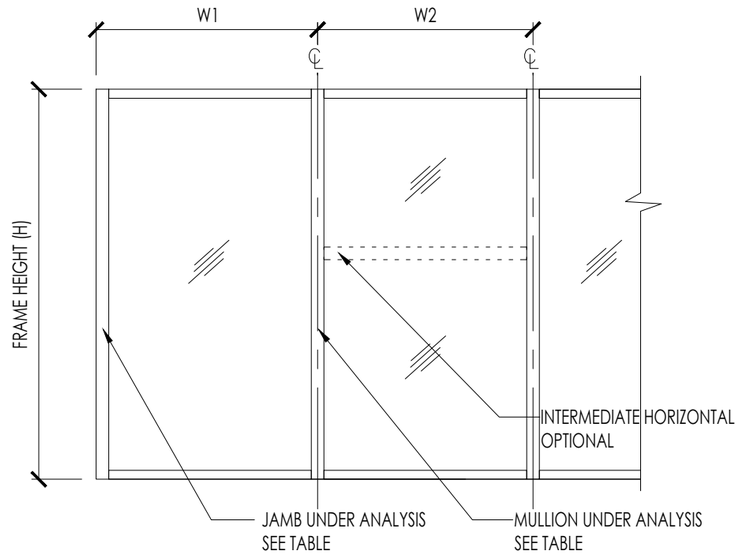
JOHN FREDY DELGADO LICENSE No. 94078 STATE OF FLORIDA PROFESSIONAL ENGINEER 04/16/2026

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

PREPARED BY	DRAFTED BY	DATE
AC	SS & DF	05/02/2025
DWG NUMBER		SCALE
DT-PA-ESW-005		N.T.S.
PAGE		
5.3 OF 8.4		

DOUBLE HEIGHT MULLION/JAMB DESIGN LOAD CAPACITY–P.S.F.					
WITH OR WITHOUT INTERMIDIATE HORIZONTAL					
NOMINAL DIMENSIONS		JAMB 'J3'		MULLION 'M6'	
WIDTH (W)	FRAME HEIGHT (H)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
36	156	190	200	150	200
42		190	200	150	200
48		150	200	150	200
54		150	200	150	200
60		150	200	150	200
66		150	200	150	200
68		150	200	150	200
36	162	190	200	150	200
42		190	200	150	200
48		150	200	150	200
54		150	200	150	200
60		150	200	150	200
66		150	200	150	200
68		150	200	150	200
36	171 7/8	190	200	150	200
42		190	200	150	200
48		150	200	150	200
54		150	200	150	200
60		150	200	150	200
66		150	200	150	200
68		150	200	150	200
36	184	150	200	150	200
42		150	200	150	200
48		150	200	150	200
54		150	200	150	200
60		150	200	150	200
66		–	–	150	150
68		–	–	150	150
36	190	150	200	150	200
42		150	200	150	200
48		150	200	150	200
54		150	200	150	200
60		150	200	150	200
66		–	–	150	150
36	196	150	200	150	200
42		150	200	150	200
48		150	200	150	200
54		150	200	150	200
60		–	–	150	150
64		–	–	150	150

DOUBLE HEIGHT MULLION/JAMB DESIGN LOAD CAPACITY–P.S.F.					
WITH OR WITHOUT INTERMIDIATE HORIZONTAL					
NOMINAL DIMENSIONS		JAMB 'J3'		MULLION 'M6'	
WIDTH (W)	FRAME HEIGHT (H)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
36	202	150	200	150	200
42		150	200	150	200
48		150	200	150	200
54		150	200	150	200
60		–	–	150	150
36	210	150	200	150	200
42		150	200	150	200
48		150	200	150	200
54		150	200	150	200
60		–	–	150	150
36	216	150	200	150	200
42		150	200	150	200
48		150	200	150	200
54		150	200	150	200
58		–	–	150	150
36	224	150	200	150	200
42		150	200	150	200
48		150	200	150	200
52		150	200	150	200
57		–	–	150	150
36	229 7/8	150	200	150	200
42		150	200	150	200
48		150	200	150	200
51		150	200	150	200
54		–	–	150	150
36	240	150	150	150	150
42		150	150	150	150
48		150	150	150	150
52 1/2		–	–	150	150
36	243 7/8	150	150	150	150
42		150	150	150	150
48		150	150	150	150
52 1/2		–	–	150	150



LEGEND

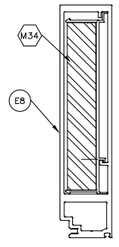
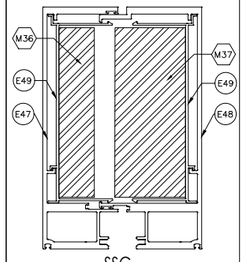
FOR MULLIONS:

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

FOR JAMBS:

W = W1

JAMB 'J3'		MULLION 'M6'	
 SSG		 SSG	
Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3
ALUMINUM 37.039	7.115	81.61	16.4703
STEEL 18	9	67.5	22.5
TOTAL Ix ALUM + Ix STL X 2.9 89.239	-	277.36	-

JAMB & MULLION CAPACITY TABLE
WITH OR WITHOUT INTERMEDIATE HORIZONTALS

E.S. WINDOWS, LLC

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

PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:
JAMB/MULLION CAPACITY TABLE

DRAWING REVISION LOG

No.	Date:	Revision:
R1	05/02/2025	UPDATE
R3	08/25/2025	UPDATE
R4	10/22/2025	UPDATE
R5	04/16/2026	UPDATE

ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

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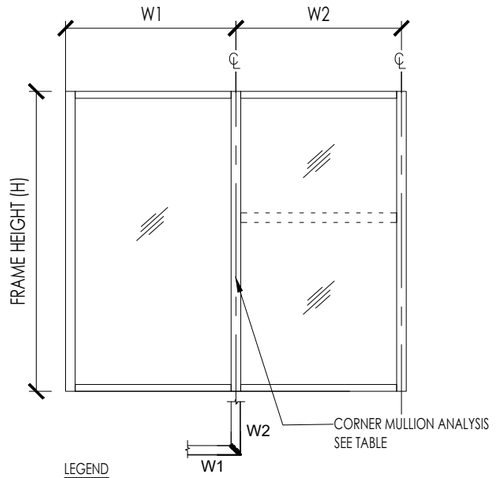
JOHN FREDY DELGADO LICENSE No. 94078 STATE OF FLORIDA PROFESSIONAL ENGINEER 04/16/2026

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

PREPARED BY	DRAFTED BY	DATE
AC	SS & DF	05/02/2025
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DOUBLE HEIGHT CORNER MULLION DESIGN LOAD CAPACITY–P.S.F.			
WITH OR WITHOUT INTERMIDIATE HORIZONTAL			
NOMINAL DIMENSIONS		CORNER MULLION 'C1'	
WIDTH (W)	FRAME HEIGHT (H)	EXT.(+)	INT.(–)
36	102	200	200
42		200	200
49		200	200
54		200	200
60		200	200
66		200	200
72		190	190
36	114	200	200
42		200	200
49		200	200
54		200	200
60		200	200
66		170	170
68		170	170
36	119 3/4	200	200
42		200	200
49		200	200
58		200	200
60		190	190
64		170	170
36	126	190	190
42		190	190
48		190	190
54		190	190
60		170	170

DOUBLE HEIGHT CORNER MULLION DESIGN LOAD CAPACITY–P.S.F.			
WITH OR WITHOUT INTERMIDIATE HORIZONTAL			
NOMINAL DIMENSIONS		CORNER MULLION 'C1'	
WIDTH (W)	FRAME HEIGHT (H)	EXT.(+)	INT.(–)
36	132	190	190
42		190	190
48		190	190
54		190	190
58		170	170
36	138	190	190
42		190	190
48		190	190
54		190	190
36	144 5/8	190	190
42		190	190
48		190	190
54		170	170
36	150	190	190
42		190	190
48		190	190
36	156	190	190
42		190	190
48		190	190



LEGEND

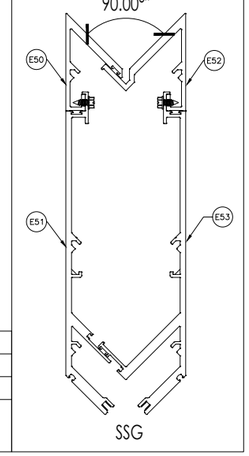
W1: WIDTH OF UNIT LEFT TO THE ANALYZED MULLION
W2: WIDTH OF UNIT RIGHT TO THE ANALYZED MULLION
W: TRIBUTARY WIDTH OF ANALYZED MULLION TO BE USED IN THE TABLE ON THE LEFT

W = (W1 + W2) / 2

CORNER MULLION CAPACITY TABLE
WITH OR WITHOUT INTERMEDIATE HORIZONTALS

	Ix IN^4	Sx IN^3
ALUMINUM	187.573	24.51
STEEL		
TOTAL Ix ALUM + Ix STL X 2.9	187.573	

CORNER MULLION C1



E.S.
WINDOWS, LLC

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PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:
JAMB/MULLION CAPACITY TABLE

DRAWING REVISION LOG

No.	Date:	Revision:
R1	05/02/2025	UPDATE
R3	08/25/2025	UPDATE
R4	10/22/2025	UPDATE
R5	04/16/2026	UPDATE

ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

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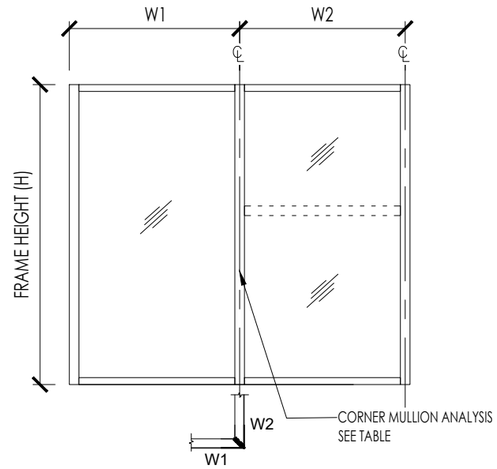
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FL. REG. # 94078

PREPARED BY	DRAFTED BY	DATE
AC	SS & DF	05/02/2025
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DOUBLE HEIGHT CORNER MULLION DESIGN LOAD CAPACITY–P.S.F.			
WITH OR WITHOUT INTERMIDIATE HORIZONTAL			
NOMINAL DIMENSIONS		CORNER MULLION 'C3'	
WIDTH (W)	FRAME HEIGHT (H)	EXT.(+)	INT.(–)
36	156	190	200
42		190	200
49		190	200
54		190	200
60		150	200
66		150	200
68		150	200
36	162	190	200
42		190	200
49		190	200
54		150	200
60		150	200
66		150	200
68		150	200
36	171 7/8	190	200
42		190	200
50		190	200
54		150	200
60		150	200
66		150	200
68		150	200
36	184	150	200
42		150	200
48		150	200
54		150	200
60		150	200
66		150	150
68		150	150
36	190	150	200
42		150	200
48		150	200
54		150	200
60		150	200
66		150	150
36	196	150	200
42		150	200
48		150	200
54		150	200
60		150	150
64		150	150

DOUBLE HEIGHT CORNER MULLION DESIGN LOAD CAPACITY–P.S.F.			
WITH OR WITHOUT INTERMIDIATE HORIZONTAL			
NOMINAL DIMENSIONS		CORNER MULLION 'C3'	
WIDTH (W)	FRAME HEIGHT (H)	EXT.(+)	INT.(–)
36	202	150	200
42		150	200
48		150	200
54		150	200
60		150	150
36	210	150	200
42		150	200
48		150	200
54		150	200
60		150	150
36	216	150	200
42		150	200
48		150	200
54		150	200
58		150	150
36	224	150	200
42		150	200
48		150	200
52		150	200
57		150	150
36	229 7/8	150	200
42		150	200
48		150	200
50		150	200
54		150	150
36	240	150	150
42		150	150
48		150	150
52		150	150
36	243 7/8	150	150
42		150	150
48		150	150
52 1/2		150	150

CORNER MULLION CAPACITY TABLE
WITH OR WITHOUT INTERMEDIATE HORIZONTALS

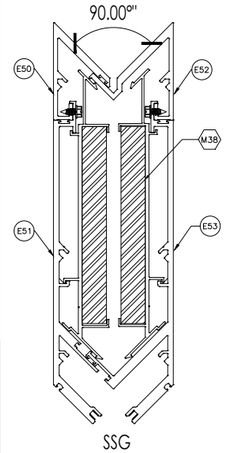


LEGEND

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

CORNER MULLION C3



SSG

	Ix IN^4	Sx IN^3
ALUMINUM	187.573	24.51
STEEL	17.16	4.5
TOTAL Ix ALUM + Ix STL X 2.9	237.337	

E.S. WINDOWS, LLC

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PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:
JAMB/MULLION CAPACITY TABLE

DRAWING REVISION LOG		
No.	Date:	Revision:
R1	05/02/2025	UPDATE
R3	08/25/2025	UPDATE
R4	10/22/2025	UPDATE
R5	04/16/2026	UPDATE

ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

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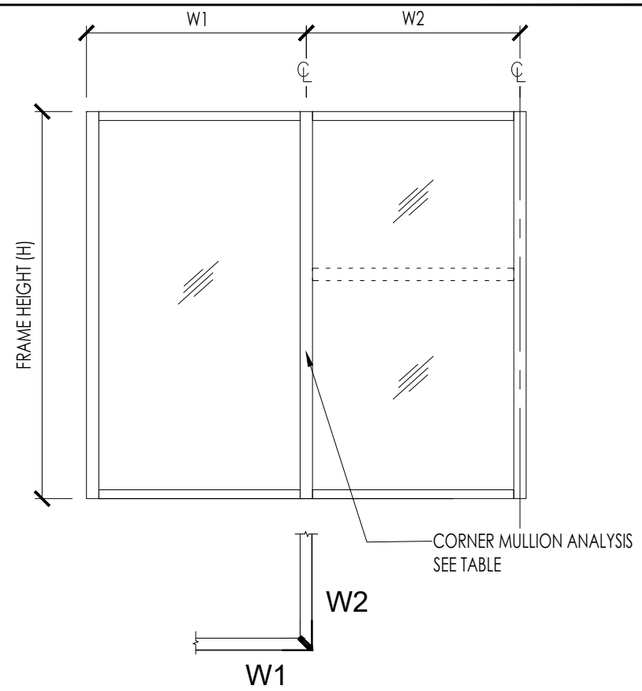
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JOHN DELGADO, P.E.
FL. REG. # 94078

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SINGLE HEIGHT CORNER MULLION DESIGN LOAD CAPACITY–P.S.F.			
WITH OR WITHOUT INTERMIDIATE HORIZONTAL			
NOMINAL DIMENSIONS		CORNER MULLION 'CM'	
WIDTH (W)	FRAME HEIGHT (H)	EXT.(+)	INT.(–)
36	90	130	130
42		130	130
48		130	130
54		130	130
60		130	130
66		130	130
72		130	130
78		130	130
80		130	130
84		100	100
36	102	130	130
42		130	130
48		130	130
54		130	130
60		130	130
66		130	130
72		100	100
36	108	130	130
42		130	130
48		130	130
54		130	130
60		130	130
68		100	100
36	114	130	130
42		130	130
48		130	130
54		130	130
60		130	130
66		100	100
36	116 3/8	130	130
42		130	130
48		130	130
54		130	130
60		130	130
36	120	130	130
42		130	130
48		130	130
54		130	130
60		130	130

SINGLE HEIGHT CORNER MULLION DESIGN LOAD CAPACITY–P.S.F.			
WITH OR WITHOUT INTERMIDIATE HORIZONTAL			
NOMINAL DIMENSIONS		CORNER MULLION 'CM'	
WIDTH (W)	FRAME HEIGHT (H)	EXT.(+)	INT.(–)
36	126	130	130
42		130	130
48		130	130
54		130	130
36	130	130	130
42		130	130
48		130	130
54		130	130
36	134	130	130
42		130	130
48		130	130
54		130	130



LEGEND

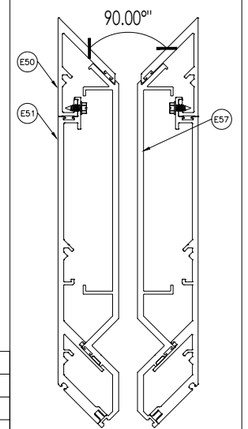
W1: WIDTH OF UNIT LEFT TO THE ANALYZED MULLION
W2: WIDTH OF UNIT RIGHT TO THE ANALYZED MULLION
W: TRIBUTARY WIDTH OF ANALYZED MULLION TO BE USED IN THE TABLE ON THE LEFT

W = (W1 + W2) / 2

CORNER MULLION CAPACITY TABLE
WITH OR WITHOUT INTERMEDIATE HORIZONTALS

	Ix IN^4	Sx IN^3
ALUMINUM	124.906	22.61
STEEL	-	-
TOTAL Ix ALUM + Ix STL X 2.9	124.906	

CORNER MULLION CM



SSG

E.S. WINDOWS, LLC

3550 N.W. 49 STREET
MIAMI, FL 33142
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PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:
JAMB/MULLION CAPACITY TABLE

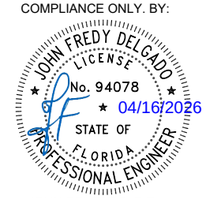
DRAWING REVISION LOG

No.	Date:	Revision:
R1	05/02/2025	UPDATE
R3	08/25/2025	UPDATE
R4	10/22/2025	UPDATE
R5	04/16/2026	UPDATE

ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

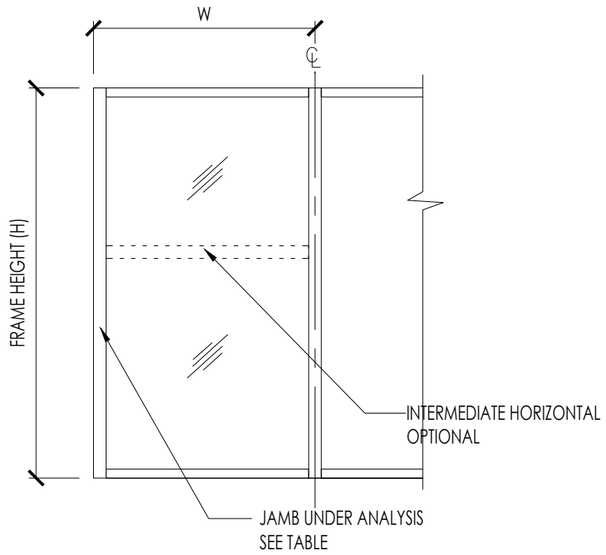
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FL. REG. # 94078

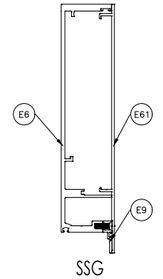
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DT-PA-ESW-005		N.T.S.
PAGE		
5.7 OF 8.4		

SINGLE HEIGHT MULLION/JAMB DESIGN LOAD CAPACITY–P.S.F.			
WITH OR WITHOUT INTERMIDIATE HORIZONTAL			
NOMINAL DIMENSIONS		JAMB 'JC1'	
WIDTH (W)	FRAME HEIGHT (H)	EXT.(+)	INT.(–)
36	126	190	190
48		190	190
54		190	190
60		170	170
36	132	190	190
48		190	190
54		190	190
36	138	190	190
48		190	190
54		190	190
36	144 9/16	190	190
48		190	190
54		170	170
36	150	190	190
44		190	190
48		190	190
36	156	190	190
44		190	190
48		190	190



JAMB & MULLION CAPACITY TABLE
WITH OR WITHOUT INTERMEDIATE HORIZONTALS

JAMB 'JC1'



SSG

	Ix IN^4	Sx IN^3
ALUMINUM	31.0495	5.2404
STEEL		
TOTAL Ix ALUM + Ix STL X 2.9	31.0495	-

E.S. WINDOWS, LLC

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PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:
JAMB/MULLION CAPACITY TABLE

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R1	05/02/2025	UPDATE
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R4	10/22/2025	UPDATE
R5	04/16/2026	UPDATE

ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

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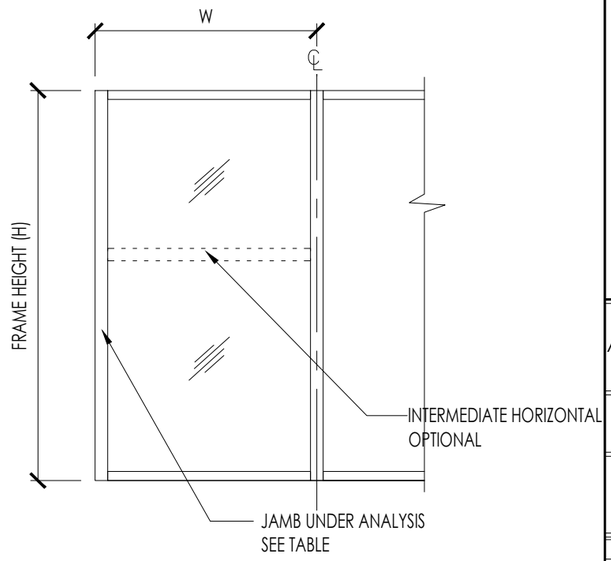
JOHN FREDY DELGADO LICENSE No. 94078 04/16/2026 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

PREPARED BY	DRAFTED BY	DATE
AC	SS & DF	05/02/2025
DWG NUMBER		SCALE
DT-PA-ESW-005		N.T.S.
PAGE		
5.8 OF 8.4		

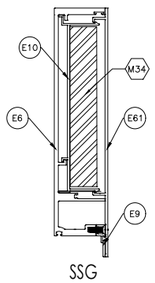
SINGLE HEIGHT MULLION/JAMB DESIGN LOAD CAPACITY–P.S.F.			
WITH OR WITHOUT INTERMIDIATE HORIZONTAL			
NOMINAL DIMENSIONS		JAMB 'JC3'	
WIDTH (W)	FRAME HEIGHT (H)	EXT.(+)	INT.(–)
36	88	200	200
48		200	200
54		200	200
60		200	200
66		200	200
72		200	200
76		200	200
80		200	200
86		200	200
36	96	200	200
48		200	200
54		200	200
60		200	200
66		200	200
72		200	200
76		200	200
80		200	200
36	102	200	200
48		200	200
54		200	200
60		200	200
66		200	200
72		200	200
76		200	200
36	108	200	200
48		200	200
54		200	200
60		200	200
66		200	200
72		200	200
36	116 3/8	200	200
48		200	200
54		200	200
60		200	200
66		200	200

SINGLE HEIGHT MULLION/JAMB DESIGN LOAD CAPACITY–P.S.F.			
WITH OR WITHOUT INTERMIDIATE HORIZONTAL			
NOMINAL DIMENSIONS		JAMB 'JC3'	
WIDTH (W)	FRAME HEIGHT (H)	EXT.(+)	INT.(–)
36	120	200	200
48		200	200
54		200	200
60		200	200
66		200	200
36	126	200	200
48		200	200
52		200	200
54		200	200
60		200	200
36	130	200	200
48		200	200
51		200	200
54		200	200
60		200	200
36	132	200	200
48		200	200
54		200	200
60		200	200
36	138	200	200
48		200	200
54		200	200
36	144	200	200
42		200	200
48		200	200
54		200	200
36	148 9/16	200	200
42		200	200
48		200	200
54		200	200



JAMB & MULLION CAPACITY TABLE
WITH OR WITHOUT INTERMEDIATE HORIZONTALS

JAMB 'JC3'



SSG

	Ix IN^4	Sx IN^3
ALUMINUM	31.0495	5.2404
STEEL	18	6
TOTAL Ix ALUM + Ix STL X 2.9	87.665	-

E.S. WINDOWS, LLC

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

PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:
JAMB/MULLION CAPACITY TABLE

DRAWING REVISION LOG

No.	Date:	Revision:
R1	05/02/2025	UPDATE
R3	08/25/2025	UPDATE
R4	10/22/2025	UPDATE
R5	04/16/2026	UPDATE

ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

CHECKED FOR STRUCTURAL COMPLIANCE ONLY. BY:

JOHN FREDY DELGADO LICENSE No. 94078 STATE OF FLORIDA PROFESSIONAL ENGINEER 04/16/2026

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

PREPARED BY	DRAFTED BY	DATE
AC	SS & DF	05/02/2025

DWG NUMBER: DT-PA-ESW-005
SCALE: N.T.S.
PAGE: 5.9 OF 8.4

ANCHOR DESIGN LOAD CAPACITY – PSF EXT.(+) & INT.(–)																
NOMINAL DIMS.	ANCHOR TYPE 'A' W/ 1–1/4" SHIM GAP				ANCHOR TYPE 'A' W/ 1/4" SHIM GAP				ANCHOR TYPE 'B' W/ 1–1/4" SHIM GAP				ANCHOR TYPE 'B' W/ 1/4" SHIM GAP			
FRAME HEIGHT (H)	A10	A8	A6	A4	A10	A8	A6	A4	B10	B8	B6	B4	B10	B8	B6	B4
88	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
96	185	200	200	200	200	200	200	200	186	200	200	200	200	200	200	200
102	173	200	200	200	197	200	200	200	173	200	200	200	200	200	200	200
108	162	200	200	200	186	200	200	200	162	200	200	200	200	200	200	200
114	153	196	200	200	176	200	200	200	152	197	200	200	200	200	200	200
120	144	185	200	200	167	200	200	200	143	186	200	200	200	200	200	200
126	136	176	200	200	159	199	200	200	135	175	200	200	200	200	200	200
132	129	167	200	200	152	190	200	200	128	166	200	200	200	200	200	200
138	122	158	200	200	146	182	200	200	121	158	200	200	200	200	200	200
144	116	151	200	200	139	174	200	200	115	150	200	200	200	200	200	200
150	111	144	199	200	134	167	200	200	110	143	200	200	200	200	200	200
156	106	138	191	200	129	161	200	200	104	137	191	200	200	200	200	200
162	101	132	183	200	124	155	200	200	100	131	183	200	200	200	200	200
168	97	126	176	200	120	149	199	200	95	125	175	200	200	200	200	200
171 7/8	94	123	171	200	117	146	195	200	92	122	171	200	200	200	200	200
176	91	120	167	200	114	143	190	200	90	118	166	200	200	200	200	200
184	87	114	158	200	109	136	182	200	85	112	158	200	200	200	200	200
190	83	109	153	200	106	132	176	200	81	108	152	200	200	200	200	200
196	80	105	147	200	102	128	171	200	78	104	147	200	200	200	200	200
202	77	101	142	200	99	124	166	200	75	100	142	200	200	200	200	200
210	73	97	136	200	96	120	159	200	71	95	135	200	200	200	200	200
213 7/8	71	95	133	200	94	117	157	200	69	93	132	200	200	200	200	200
224	67	89	126	200	90	112	149	200	65	87	125	200	200	200	200	200
229 7/8	65	87	123	194	87	109	146	200	63	85	121	195	200	200	200	200
232	64	86	121	193	87	108	144	200	62	84	120	193	200	200	200	200
240	61	82	116	185	84	105	139	200	59	80	115	186	200	200	200	200
243 7/8	60	80	114	182	82	103	137	200	57	78	113	182	200	200	200	200

TYPICAL ANCHORS:

TYPE 'A'	TYPE 'B'	TYPE 'C'	TYPE 'D'
1/2" HILTI KH-EZ INTO 3 Ksi CONCRETE FU=112540 PSI 3" MIN. EDGE DISTANCE 3" MIN. EMBEDMENT	1/2" SAE GRADE 5 TAPPED DRILLED THREADED BOLT INTO STEEL STRUCTURES 1/4" THK. MIN. (SUBSTRATE fy = 36 KSI MIN.) FU= 120000 PSI 1-1/2" MIN. EDGE DISTANCE 1/2" MIN. EMBEDMENT	3/8" HILTI KH-EZ INTO 3 Ksi CONCRETE FU=106975 PSI 2-1/2" MIN. EDGE DISTANCE 2-1/8" MIN. EMBEDMENT	3/8" SAE GRADE 5 TAPPED DRILLED THREADED BOLT INTO STEEL STRUCTURES 1/4" THK. MIN. (SUBSTRATE fy = 36 KSI MIN.) FU=120000 PSI 1-1/2" MIN. EDGE DISTANCE 1/2" MIN. EMBEDMENT

ANCHORS CAPACITY TABLE

E.S. WINDOWS, LLC

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04/16/2026

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FL. REG. # 94078

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DWG NUMBER	SCALE
DT-PA-ESW-005	N.T.S.

PAGE 6.0 OF 8.4

	ANCHOR DESIGN LOAD CAPACITY – PSF EXT.(+) & INT.(–)							
NOMINAL DIMS.	ANCHOR TYPE 'C' W/ 1/4" SHIM GAP				ANCHOR TYPE 'D' W/ 1/4" SHIM GAP			
FRAME HEIGHT (H)	C10	C8	C6	C4	C10	C8	C6	C4
88	165	200	200	200	190	190	190	190
96	154	189	200	200	190	190	190	190
102	145	178	200	200	190	190	190	190
108	137	168	200	200	190	190	190	190
114	130	159	200	200	190	190	190	190
120	123	151	200	200	190	190	190	190
126	117	144	192	200	190	190	190	190
132	112	137	183	200	190	190	190	190
138	107	131	175	200	190	190	190	190
144	103	126	168	200	190	190	190	190
150	99	121	161	200	190	190	190	190
156	95	116	155	200	190	190	190	190
162	91	112	149	200	–	–	–	–
168	88	108	144	200	–	–	–	–
171 7/8	86	106	141	200	–	–	–	–
176	84	103	137	200	–	–	–	–
184	80	99	131	197	–	–	–	–
190	78	95	127	191	–	–	–	–
196	75	93	123	185	–	–	–	–
202	73	90	120	180	–	–	–	–
210	70	86	115	173	–	–	–	–
213 7/8	69	85	113	170	–	–	–	–
224	66	81	108	162	–	–	–	–
229 7/8	64	79	105	158	–	–	–	–
232	–	–	–	–	–	–	–	–
240	–	–	–	–	–	–	–	–
243 7/8	–	–	–	–	–	–	–	–

ANCHORS TYPES

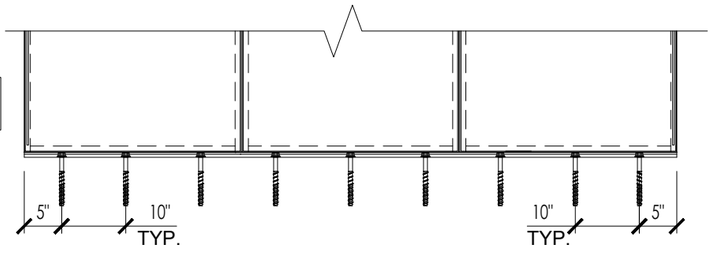
A10 = ANCHORS TYPE A AT 5" FROM CORNERS AND 10" O.C.
B10 = ANCHORS TYPE B AT 5" FROM CORNERS AND 10" O.C.
C10 = ANCHORS TYPE C AT 5" FROM CORNERS AND 10" O.C.
D10 = ANCHORS TYPE D AT 5" FROM CORNERS AND 10" O.C.

A8 = ANCHORS TYPE A AT 4" FROM CORNERS AND 8" O.C.
B8 = ANCHORS TYPE B AT 4" FROM CORNERS AND 8" O.C.
C8 = ANCHORS TYPE C AT 4" FROM CORNERS AND 8" O.C.
D8 = ANCHORS TYPE D AT 4" FROM CORNERS AND 8" O.C.

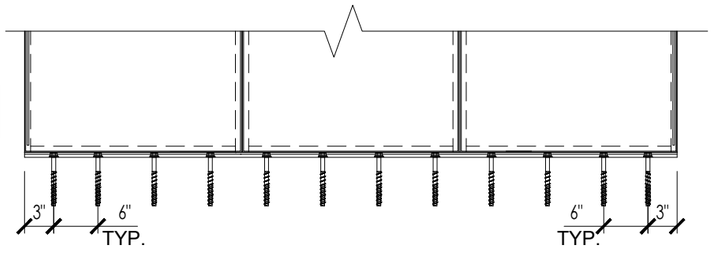
A6 = ANCHORS TYPE A AT 3" FROM CORNERS AND 6" O.C.
B6 = ANCHORS TYPE B AT 3" FROM CORNERS AND 6" O.C.
C6 = ANCHORS TYPE C AT 3" FROM CORNERS AND 6" O.C.
D6 = ANCHORS TYPE D AT 3" FROM CORNERS AND 6" O.C.

A4 = ANCHORS TYPE A AT 2" FROM CORNERS AND 4" O.C.
B4 = ANCHORS TYPE B AT 2" FROM CORNERS AND 4" O.C.
C4 = ANCHORS TYPE C AT 2" FROM CORNERS AND 4" O.C.
D4 = ANCHORS TYPE D AT 2" FROM CORNERS AND 4" O.C.

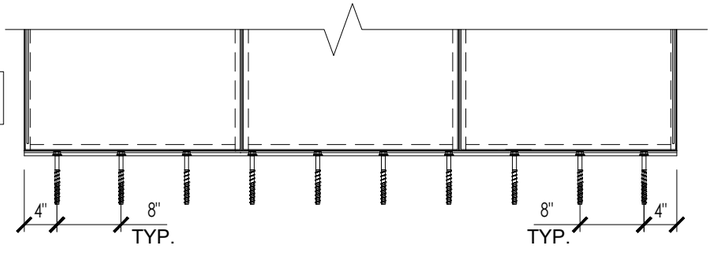
'A10' , 'B10', 'C10 & 'D10'



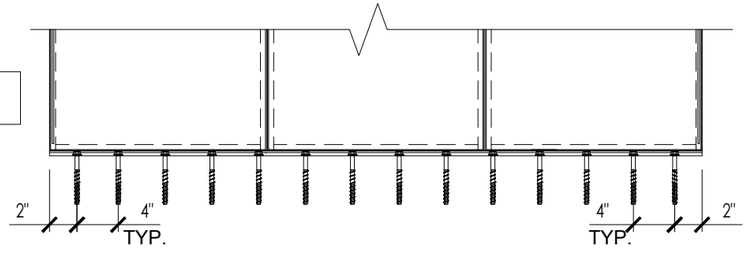
'A6' , 'B6', 'C6 & 'D6'



'A8' , 'B8', 'C8 & 'D8'



'A4' , 'B4', 'C4 & 'D4'



ANCHORS CAPACITY TABLE

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PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:
ANCHORS CAPACITY TABLE

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ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

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

PREPARED BY	DRAFTED BY	DATE
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DWG NUMBER		SCALE
DT-PA-ESW-005		N.T.S.
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SLAB COVER ANCHOR DESIGN LOAD CAPACITY – PSF EXT.(+) & INT.(–)								
NOMINAL DIMS.	ANCHOR TYPE 'E'				ANCHOR TYPE 'F'			
SLAB COVER HEIGHT	E12	E10	E8	E6	F12	F10	F8	F6
22 1/4	200	200	200	200	200	200	200	200
25	150	150	150	150	150	150	150	150

ANCHORS TYPES

E12 = ANCHORS TYPE E AT 6" FROM CORNERS AND 12" O.C.
F12 = ANCHORS TYPE F AT 6" FROM CORNERS AND 12" O.C.

E10 = ANCHORS TYPE E AT 5" FROM CORNERS AND 10" O.C.
F10 = ANCHORS TYPE F AT 5" FROM CORNERS AND 10" O.C.

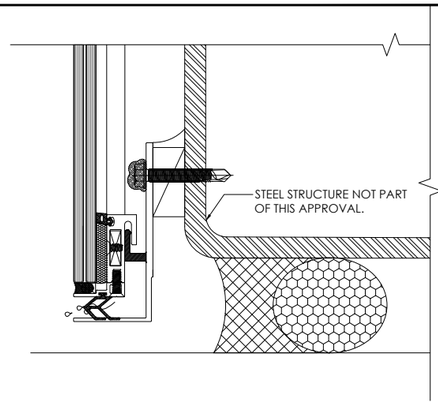
E8 = ANCHORS TYPE E AT 4" FROM CORNERS AND 8" O.C.
F8 = ANCHORS TYPE F AT 4" FROM CORNERS AND 8" O.C.

E6 = ANCHORS TYPE E AT 3" FROM CORNERS AND 6" O.C.
F6 = ANCHORS TYPE F AT 3" FROM CORNERS AND 6" O.C.

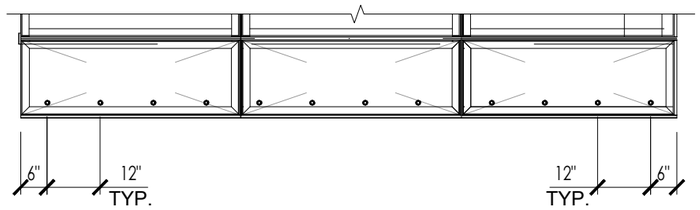
TYPICAL ANCHORS:

TYPE 'E'	TYPE 'F'
TYPE "E" at STARTER OR END SLAB COVER ANCHOR - 5/16" DRIL-FLEX OR SDS INTO STEEL STRUCTURES 1/ 4" THK. MIN. (fy = 36 KSI MIN.) - 1/2" MIN. EDGE DISTANCE - (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE FU= 120000 PSI	TYPE "F" at STARTER OR END SLAB COVER ANCHOR - 5/16" ULTRACON BY DEWALT INTO 4 Ksi CONCRETE - 2-1/2" MIN. EDGE DISTANCE - 2" MIN. EMBEDMENT - 2-1/2" MIN. EDGE DISTANCE FU= 177000 PSI

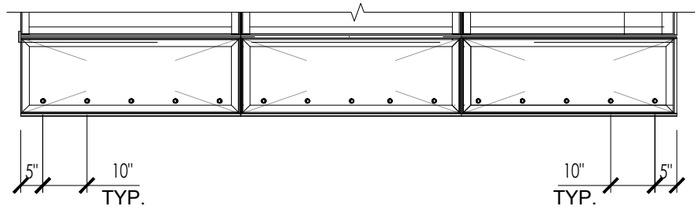
ANCHORS CAPACITY TABLE



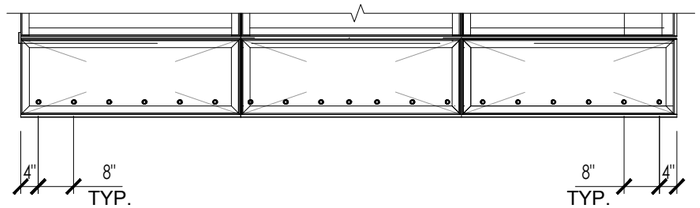
'E12' & 'F12'



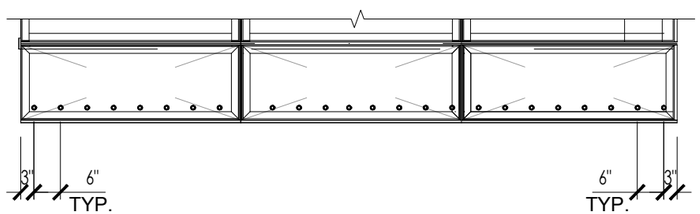
'E10' & 'F10'



'E8' & 'F8'



'E6' & 'F6'



E.S.
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PROJECT
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ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
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SHEET NAME:
ANCHORS CAPACITY TABLE

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ENGINEER:
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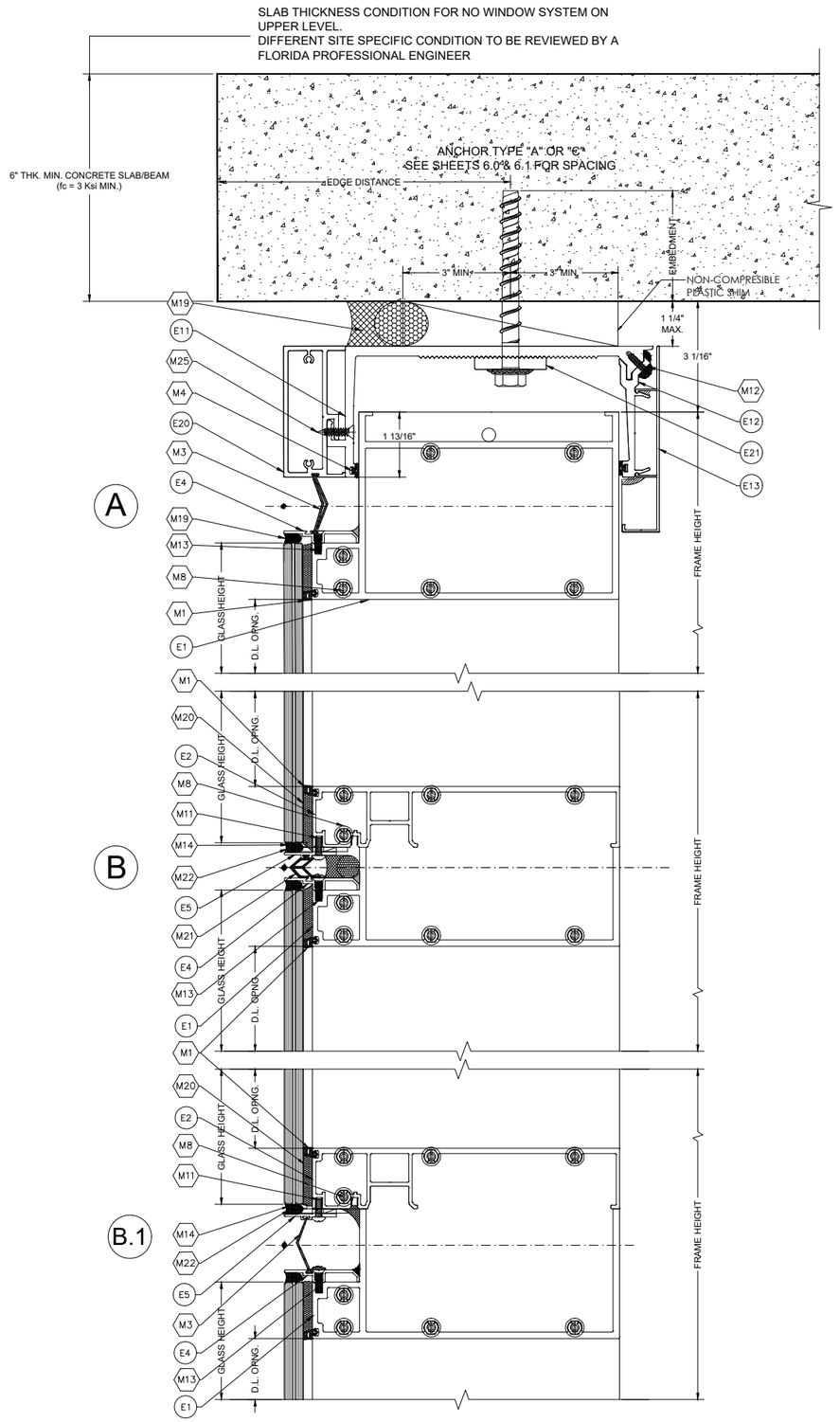
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DEERFIELD BEACH, FL 33443

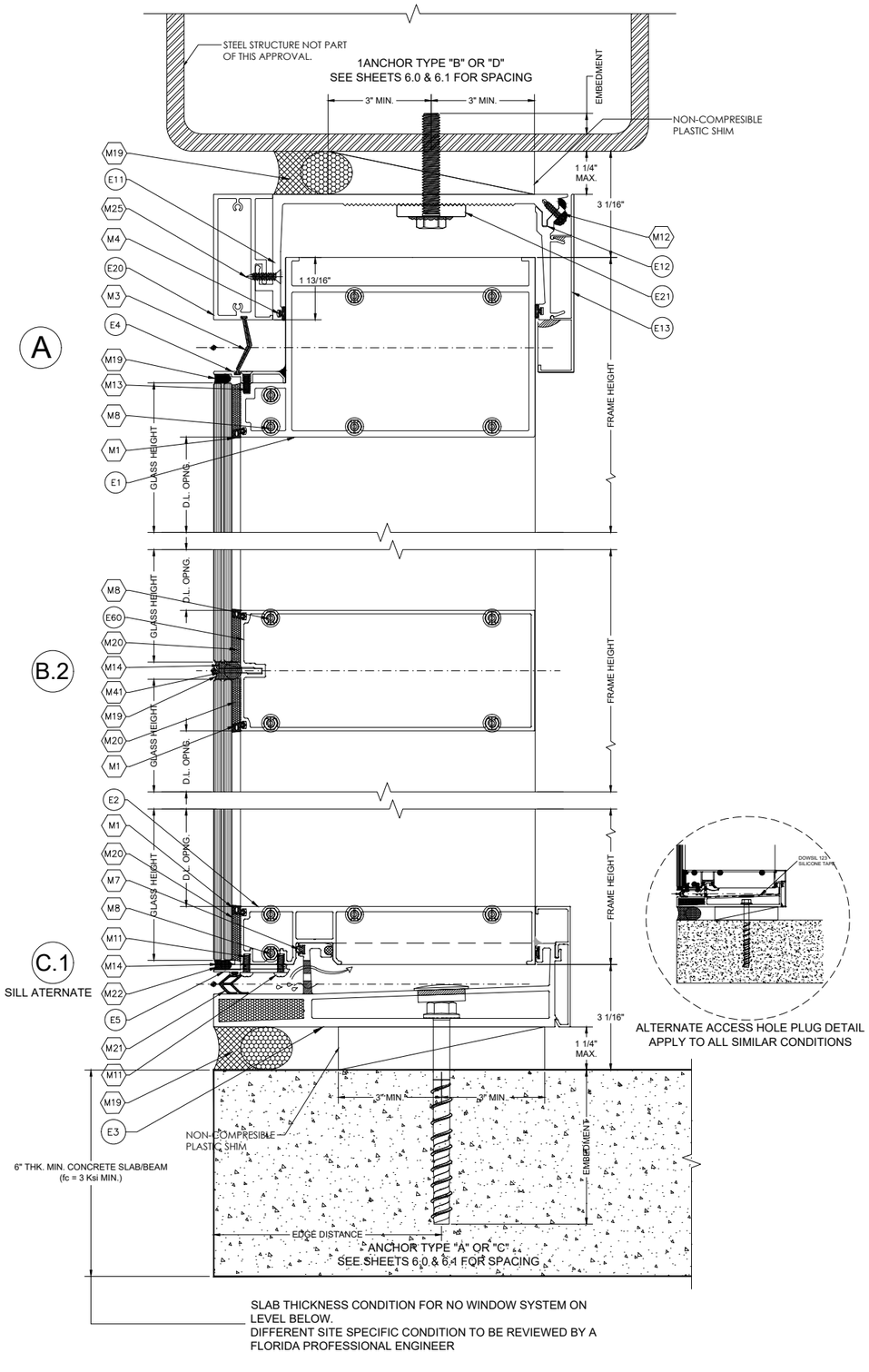
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04/16/2026

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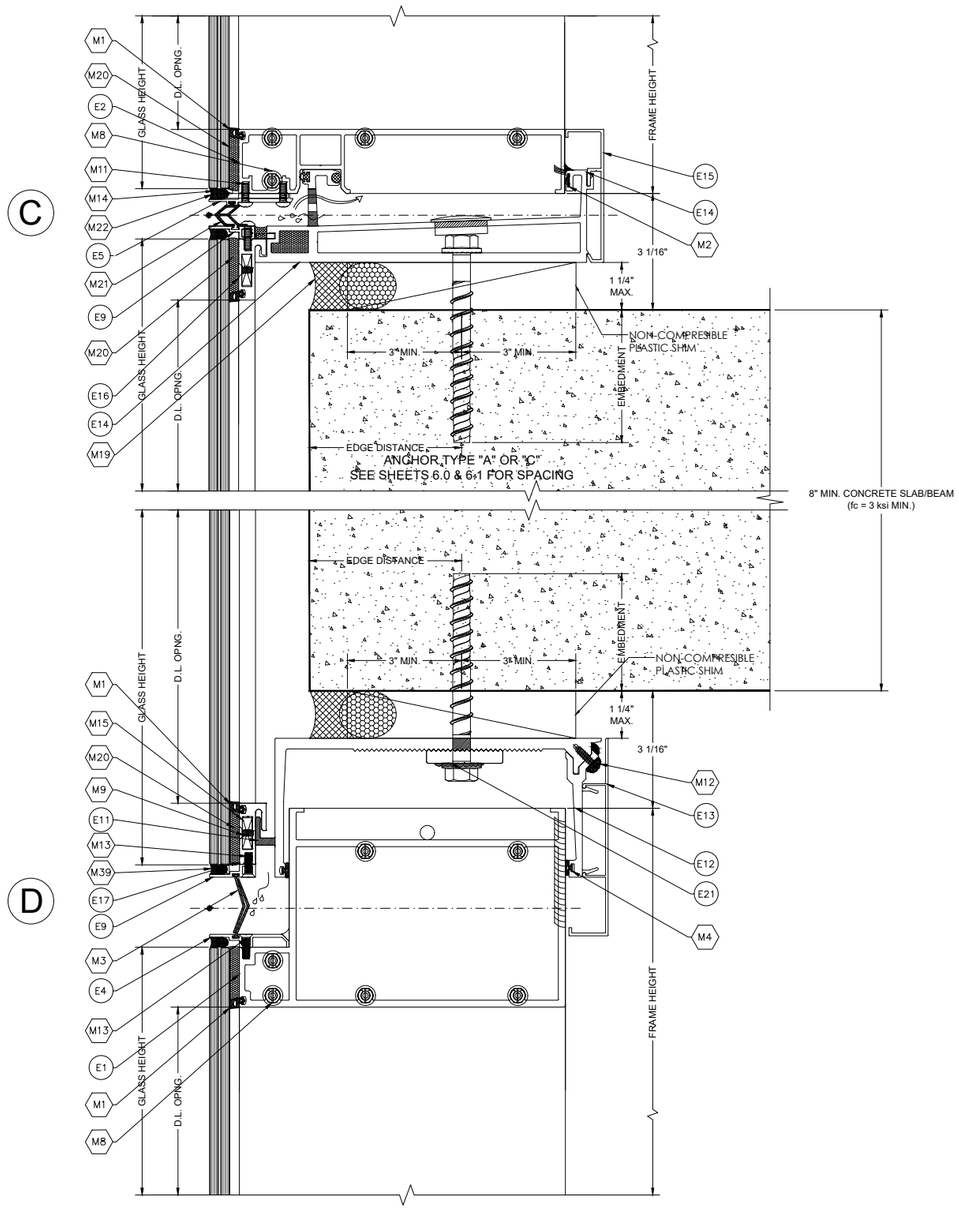
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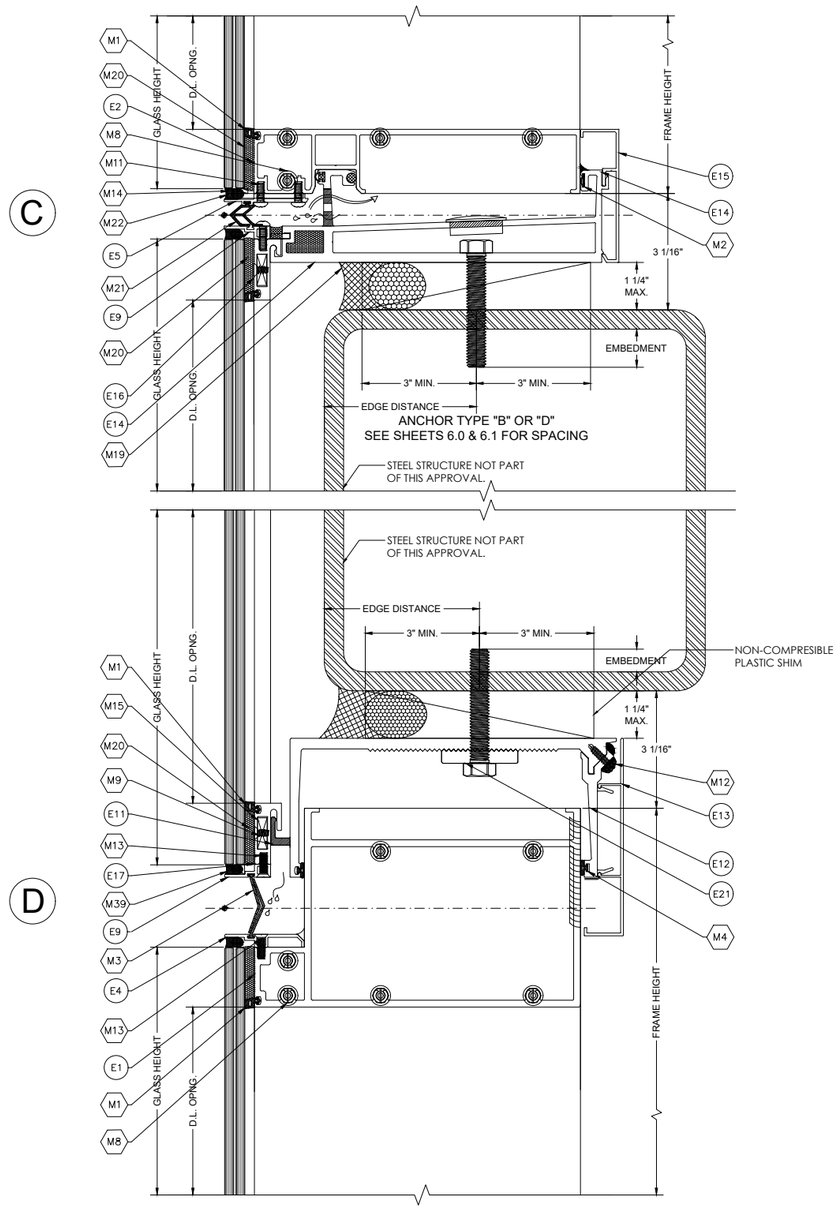
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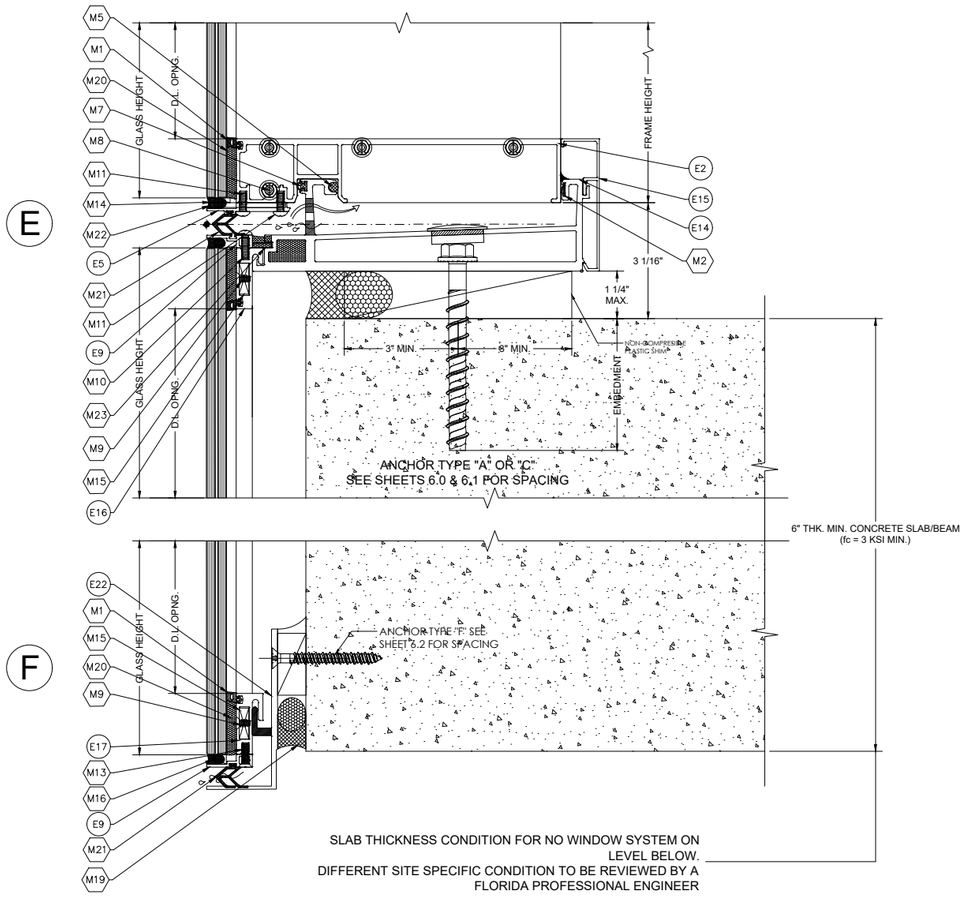
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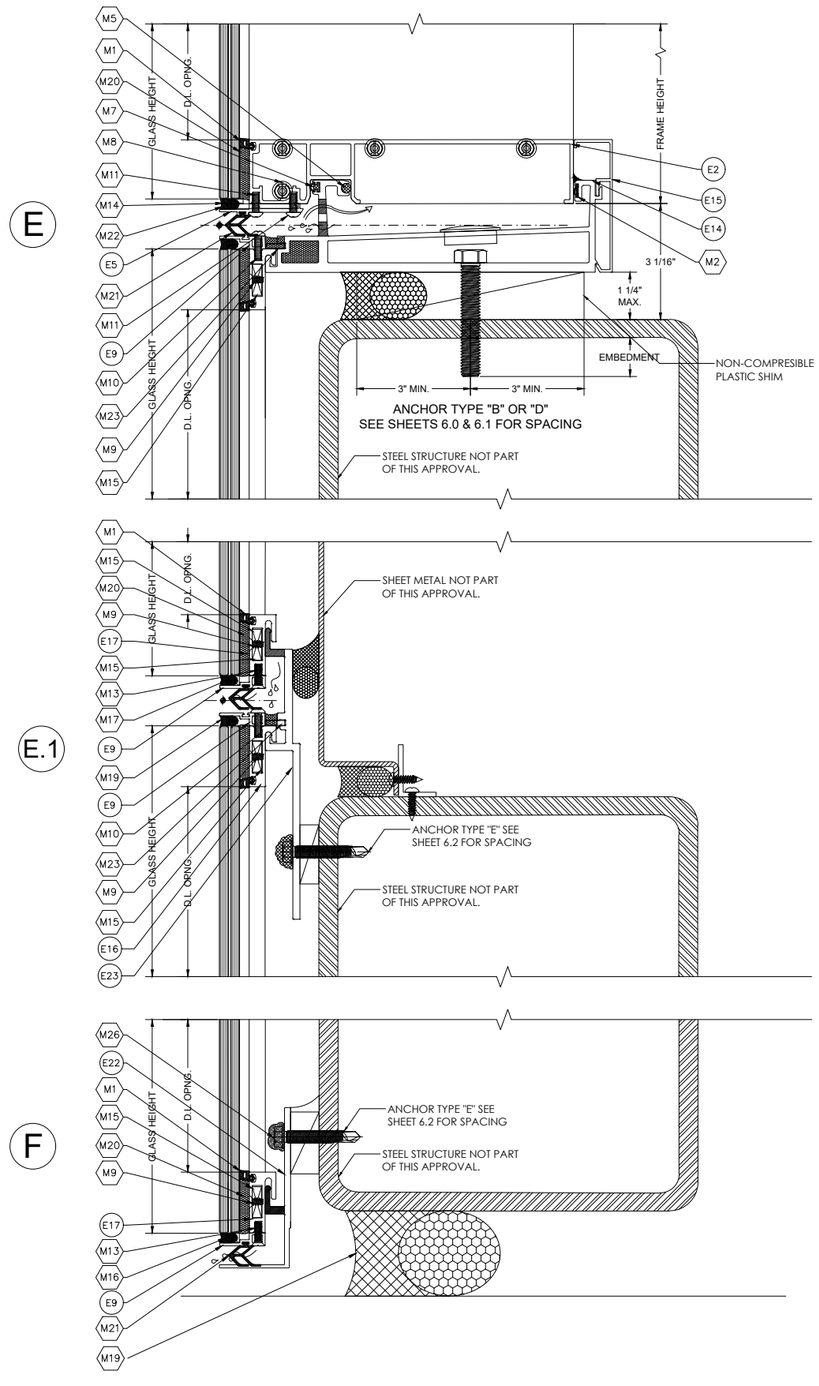
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111 NORTH ORANGE AVE.,
SUITE 800, ORLANDO, FL 32801

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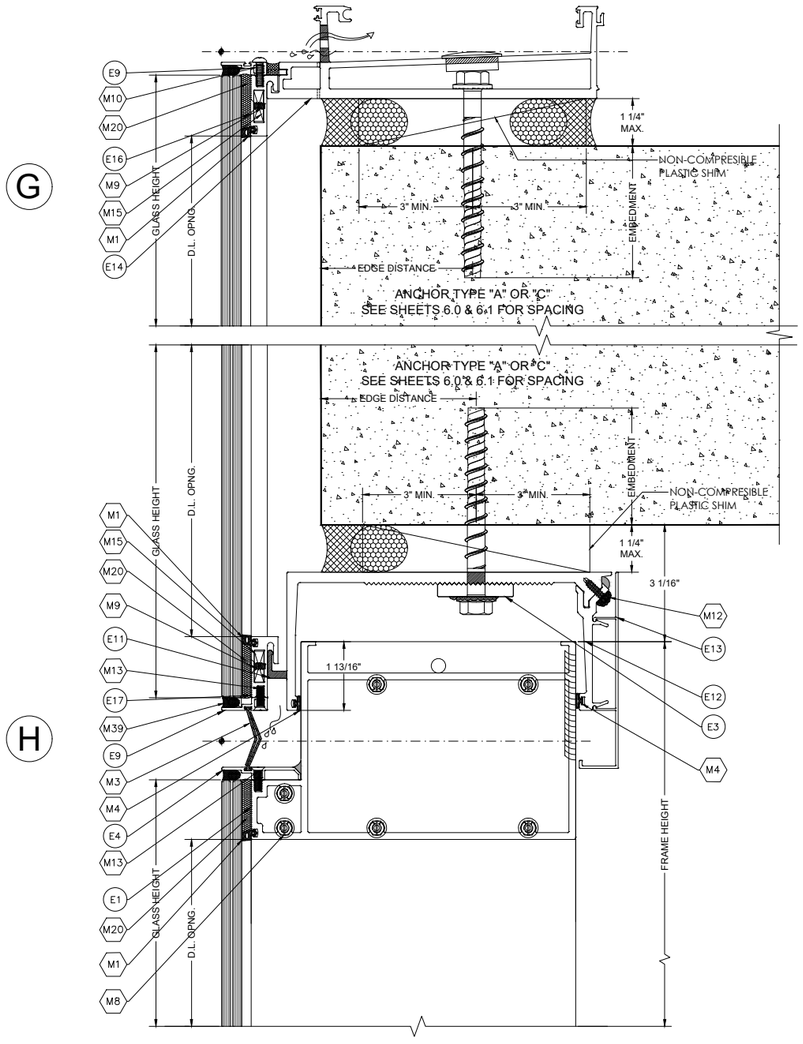
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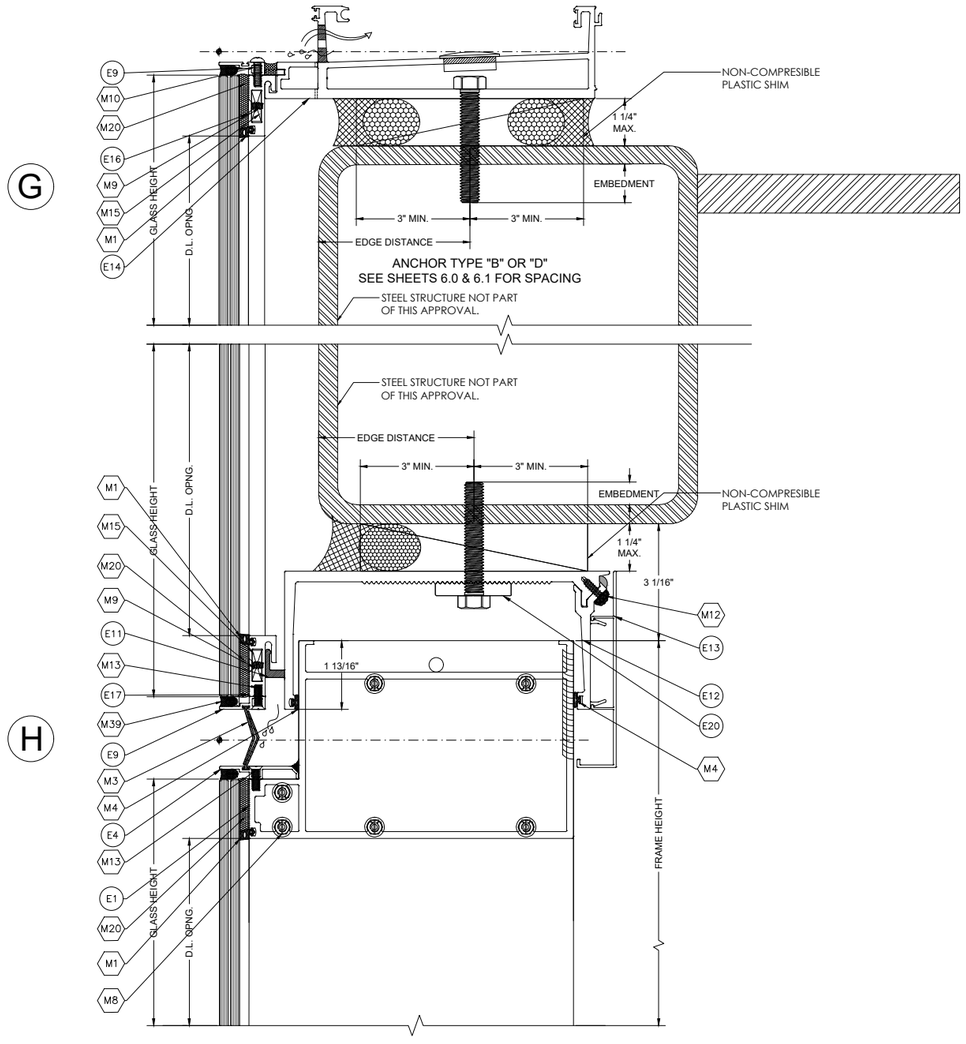
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ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:
SYSTEM DETAILS

DRAWING REVISION LOG

No.	Date:	Revision:
R1	05/02/2025	UPDATE
R3	08/25/2025	UPDATE
R4	10/22/2025	UPDATE
R5	04/16/2026	UPDATE

ENGINEER:

DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

CHECKED FOR STRUCTURAL COMPLIANCE ONLY. BY:

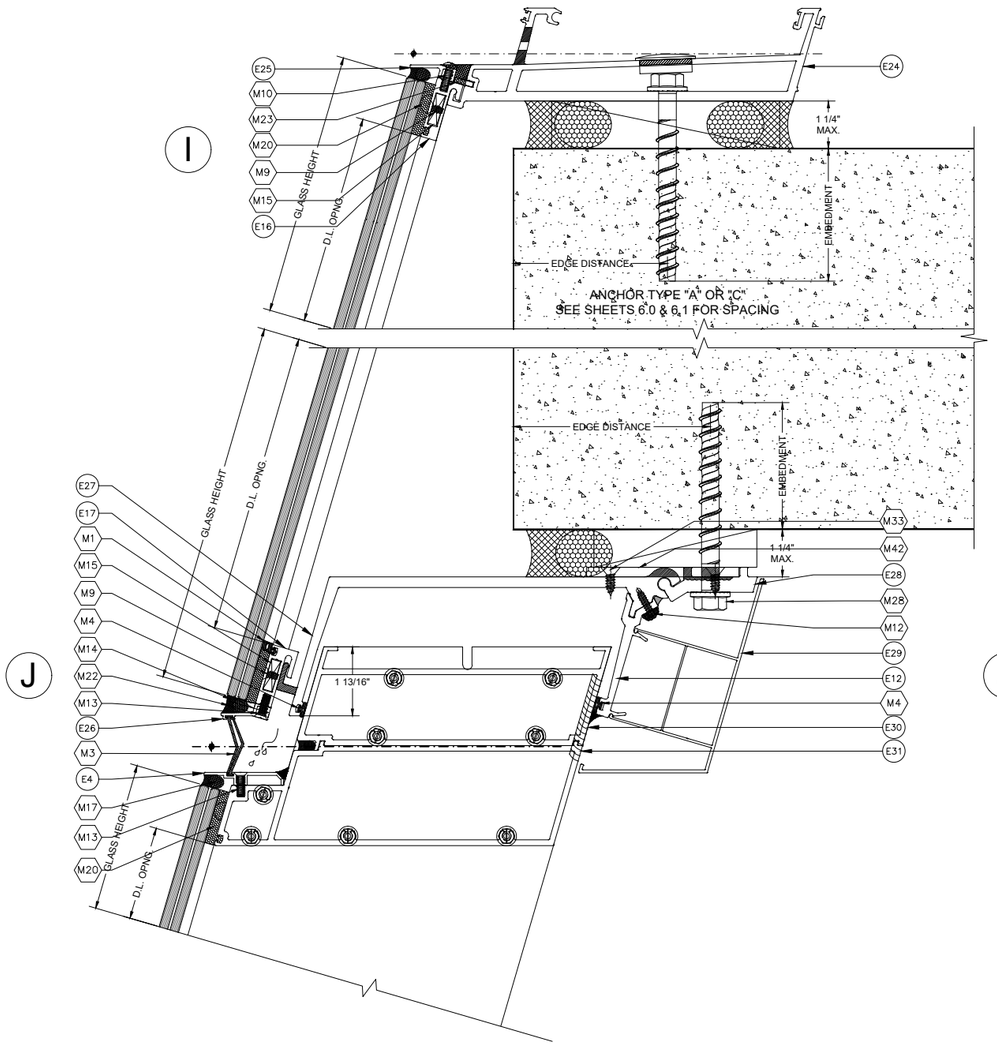
JOHN FREDY DELGADO LICENSE No. 94078 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/16/2026

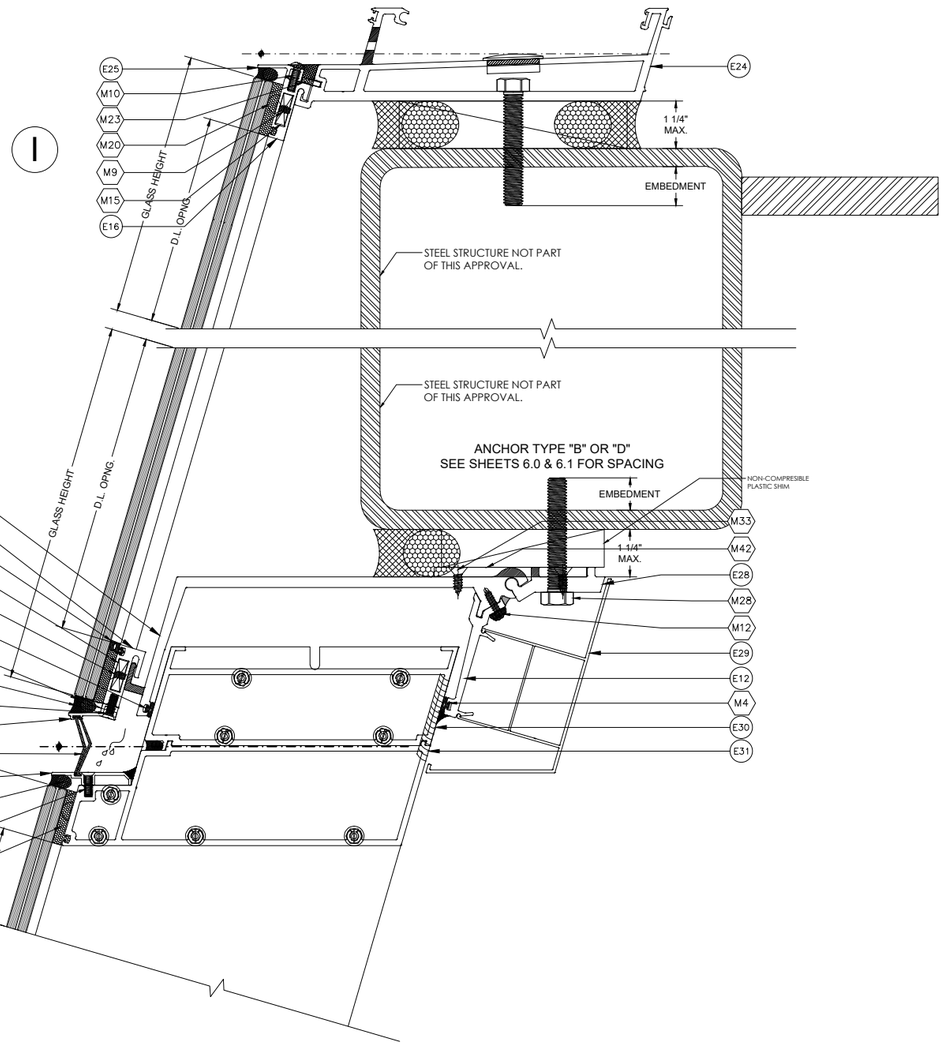
JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY	DRAFTED BY	DATE
AC	SS & DF	05/02/2025

DWG NUMBER	SCALE
DT-PA-ESW-005	3" = 1'-0"

PAGE 7.3 OF 8.4





E.S.
WINDOWS, LLC

3550 N.W. 49 STREET
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TEL. (305) 638-5151
FAX. (305) 638-5158

PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

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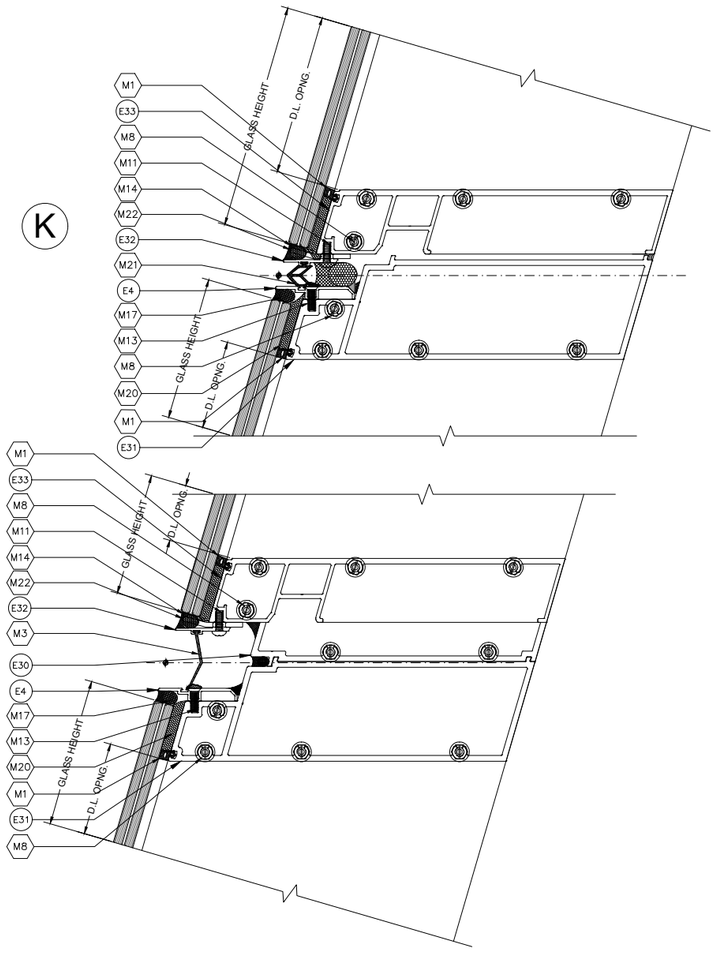
JOHN FREDY DELGADO LICENSE No. 94078 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/16/2026

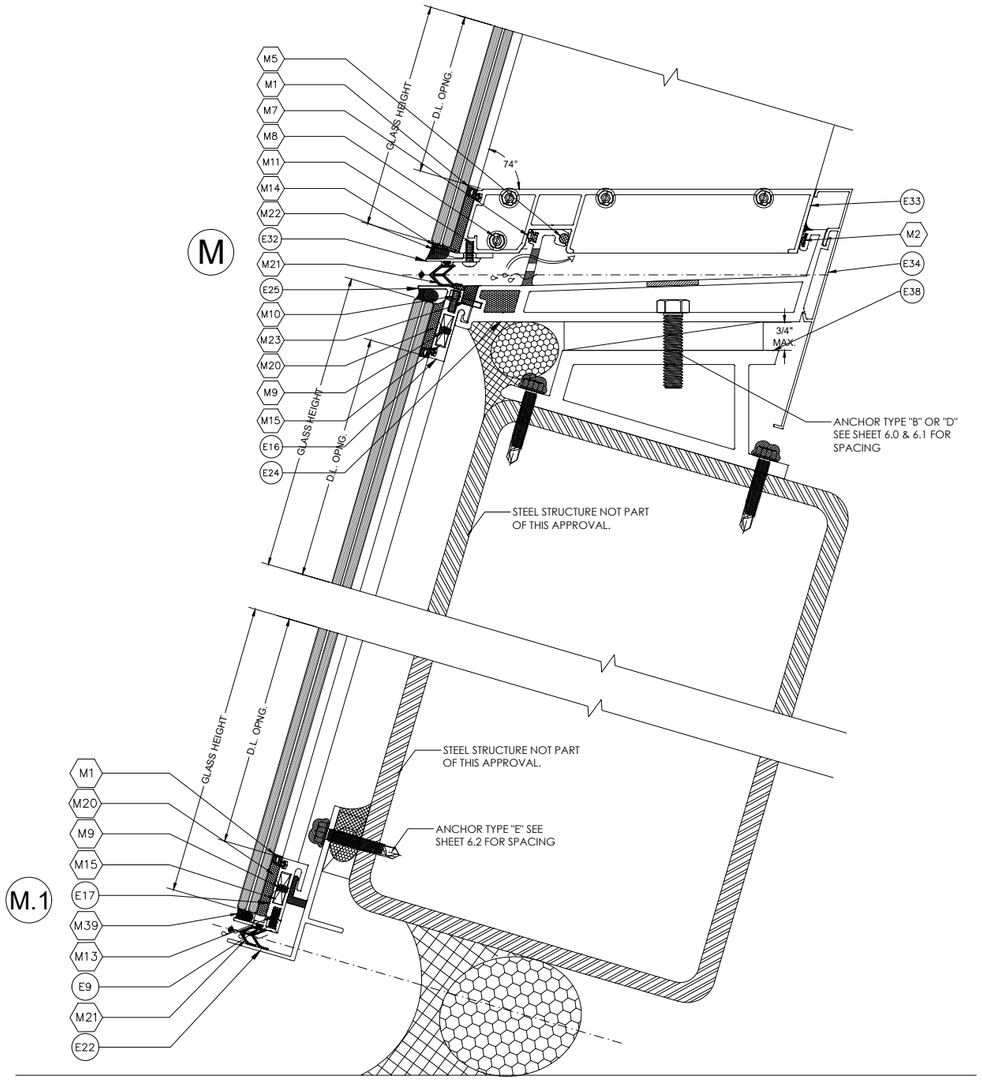
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PAGE 7.4 OF 8.4





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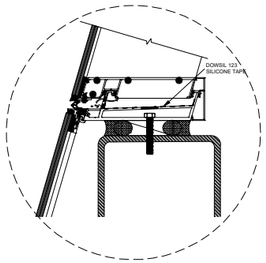
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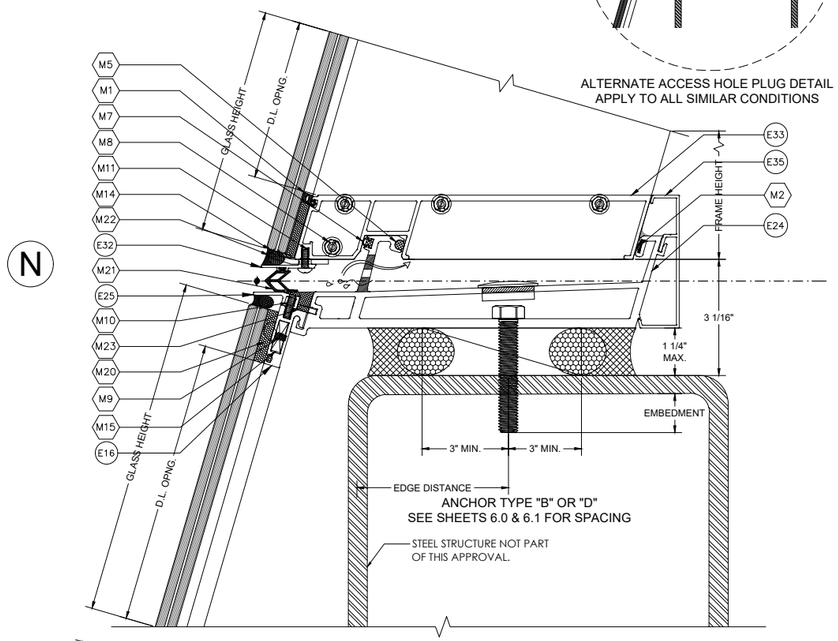
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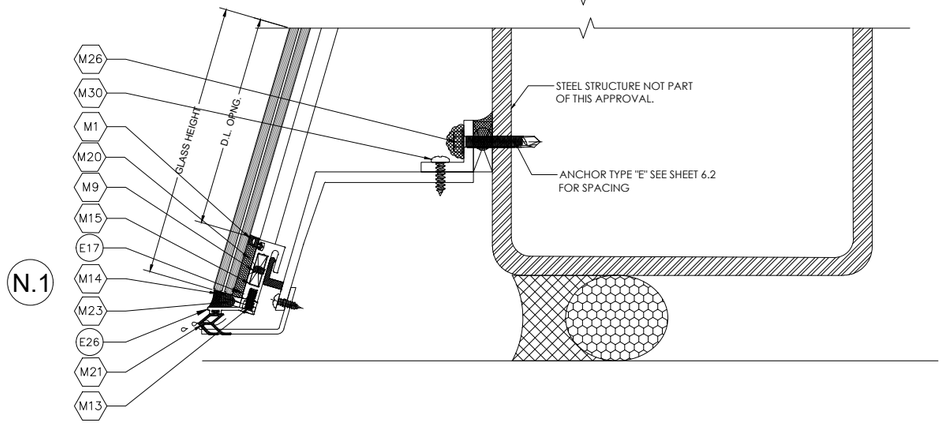
JOHN DELGADO, P.E.
FL. REG. # 94078

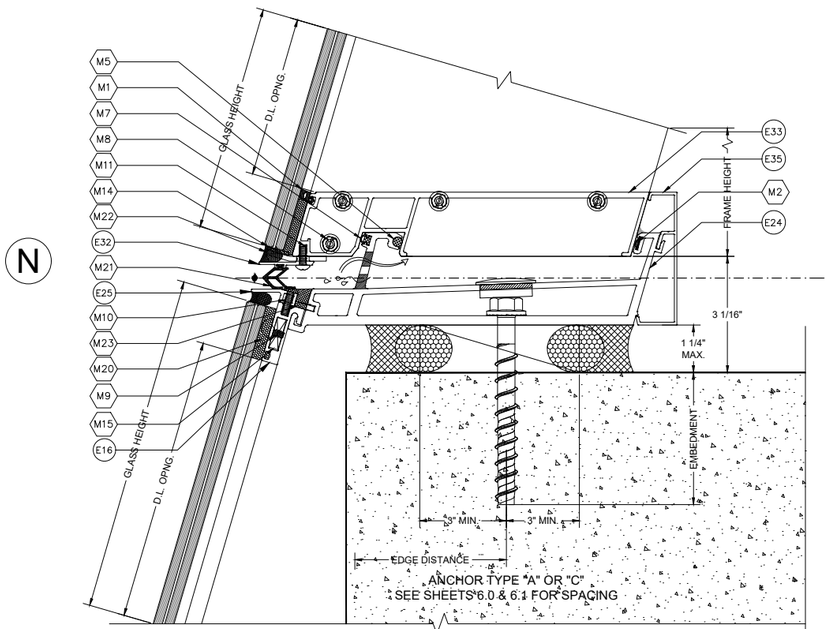
PREPARED BY	DRAFTED BY	DATE
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DWG NUMBER		SCALE
DT-PA-ESW-005		3" = 1'-0"
PAGE 7.5 OF 8.4		

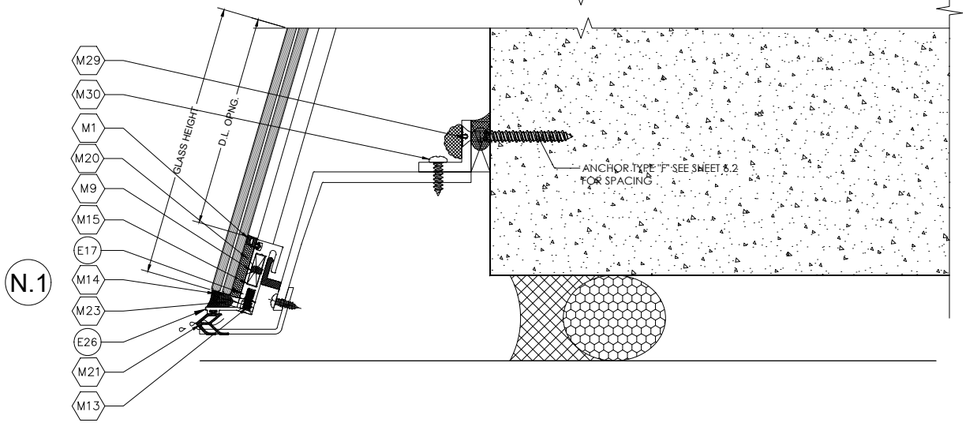


ALTERNATE ACCESS HOLE PLUG DETAIL
APPLY TO ALL SIMILAR CONDITIONS









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PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
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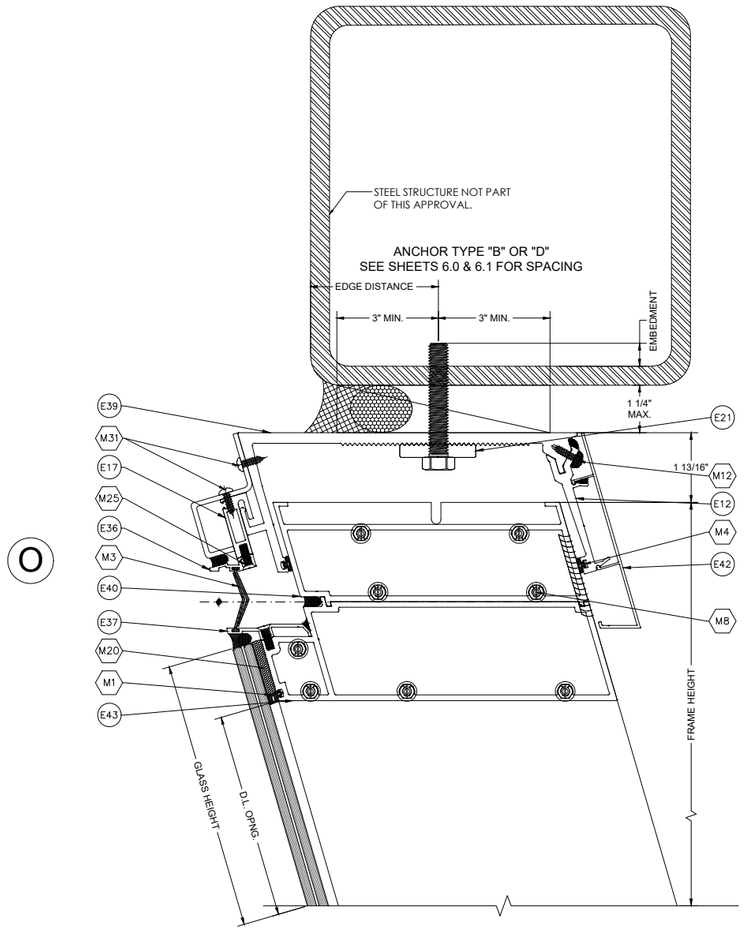
JOHN FREDY DELGADO LICENSE No. 94078 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/16/2026

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FL. REG. # 94078

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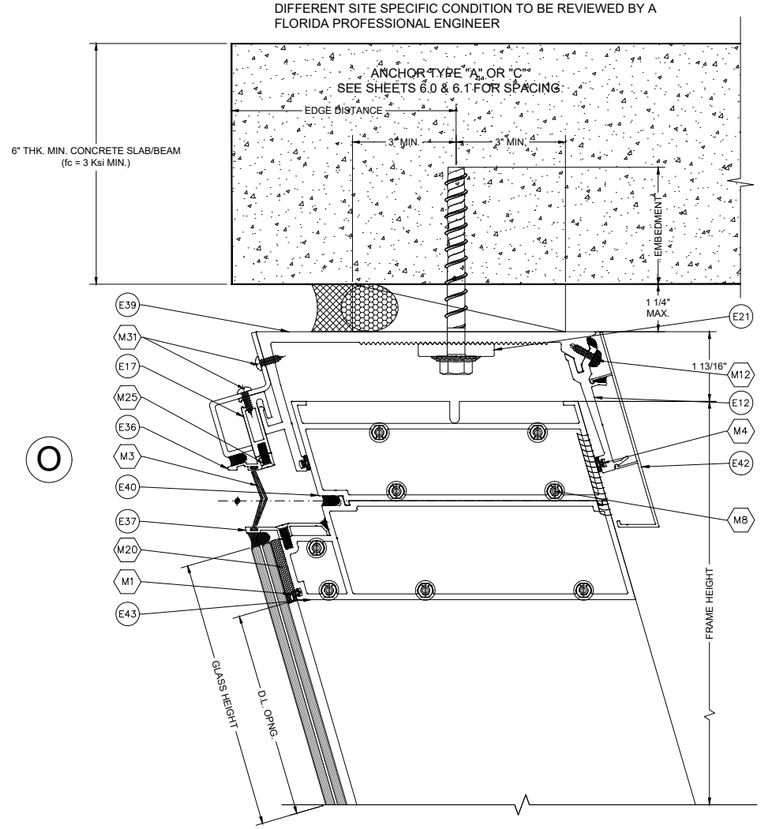
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SCALE
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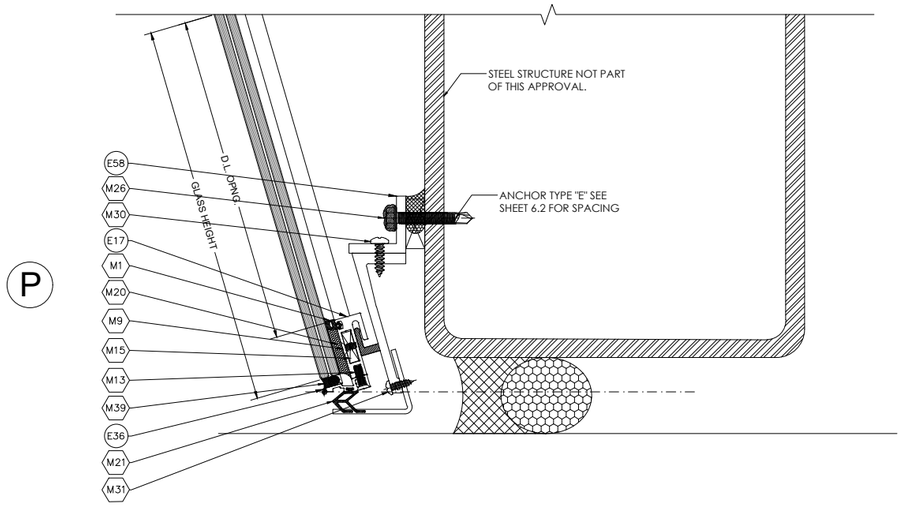


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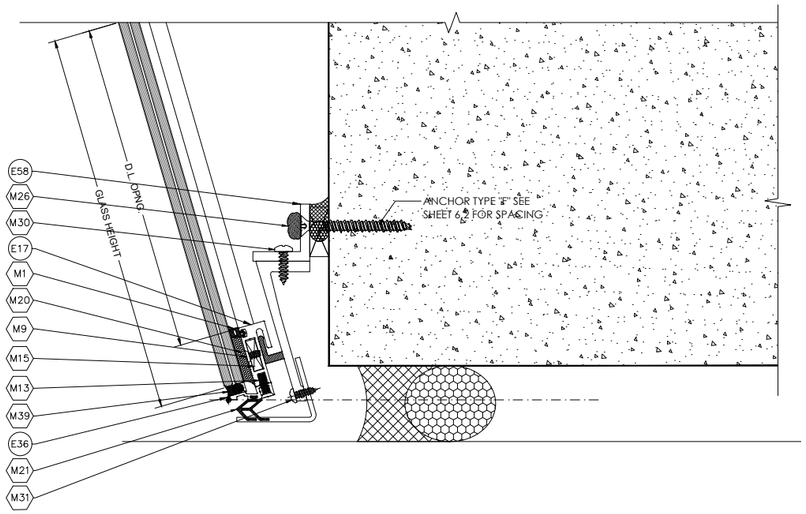
SLAB THICKNESS CONDITION FOR NO WINDOW SYSTEM ON
UPPER LEVEL.
DIFFERENT SITE SPECIFIC CONDITION TO BE REVIEWED BY A
FLORIDA PROFESSIONAL ENGINEER



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P



P

E.S.
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PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

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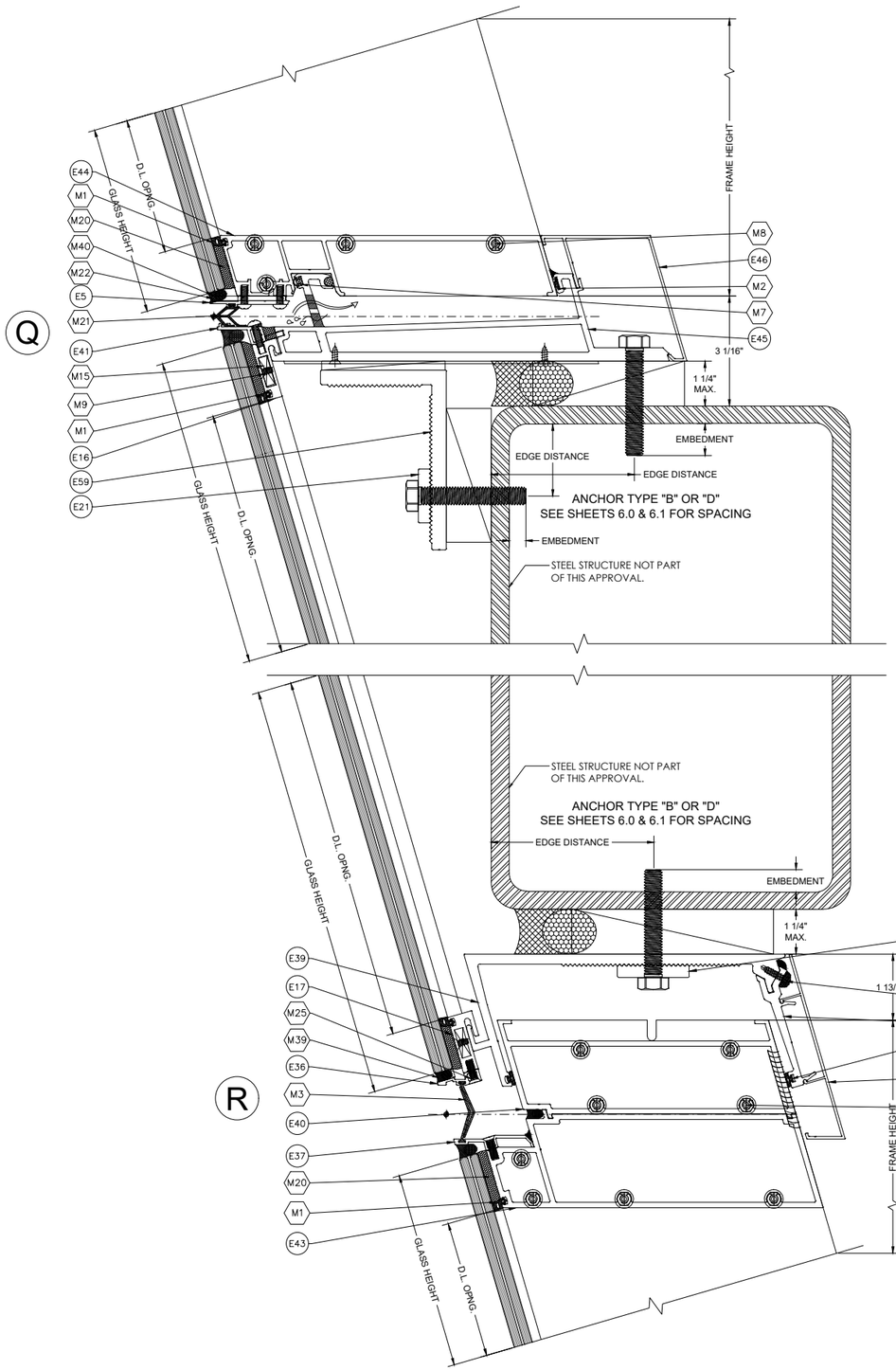
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DEERFIELD BEACH, FL 33443

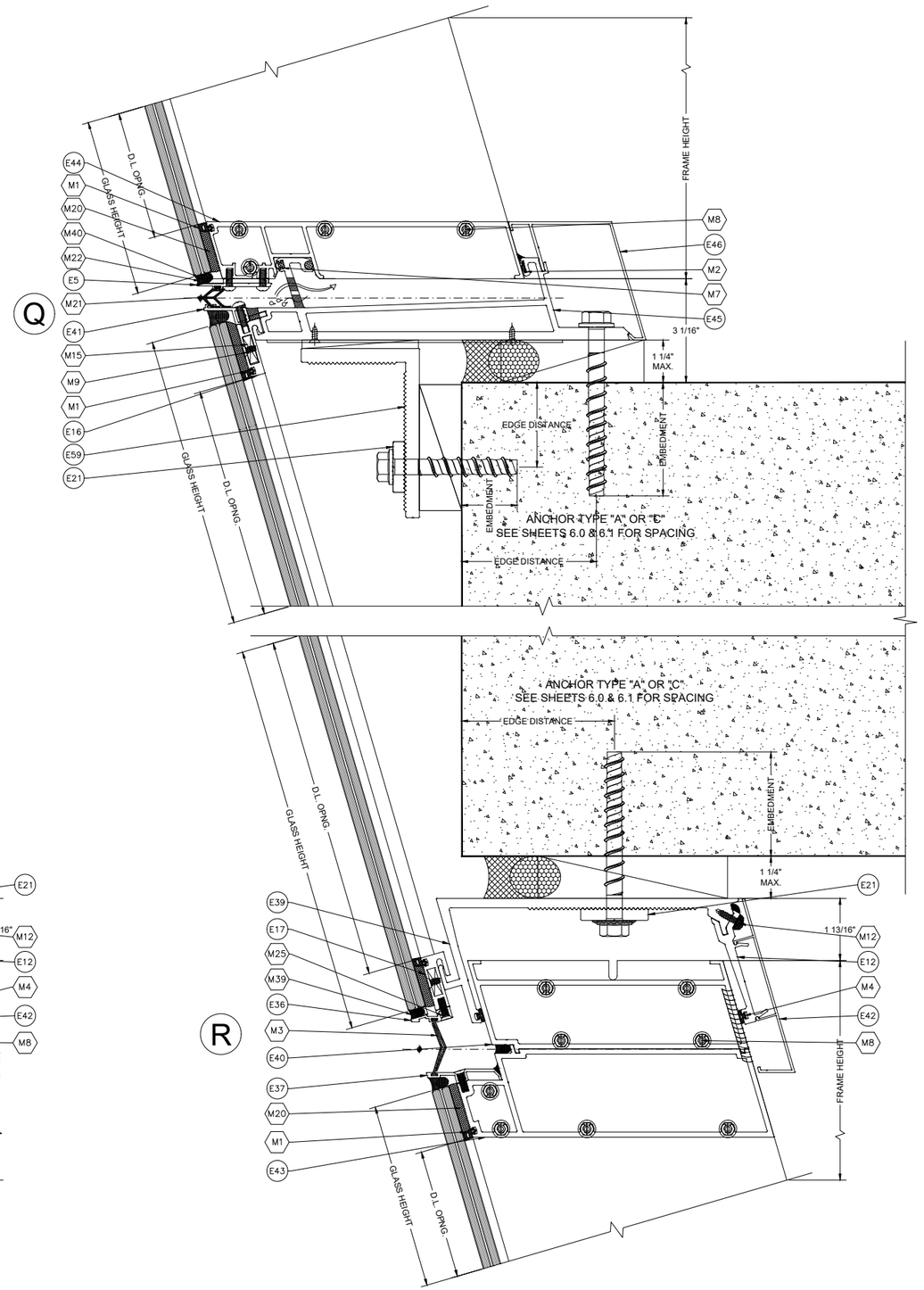
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JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY	DRAFTED BY	DATE
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DT-PA-ESW-005		3" = 1'-0"
PAGE		
7.7 OF 8.4		





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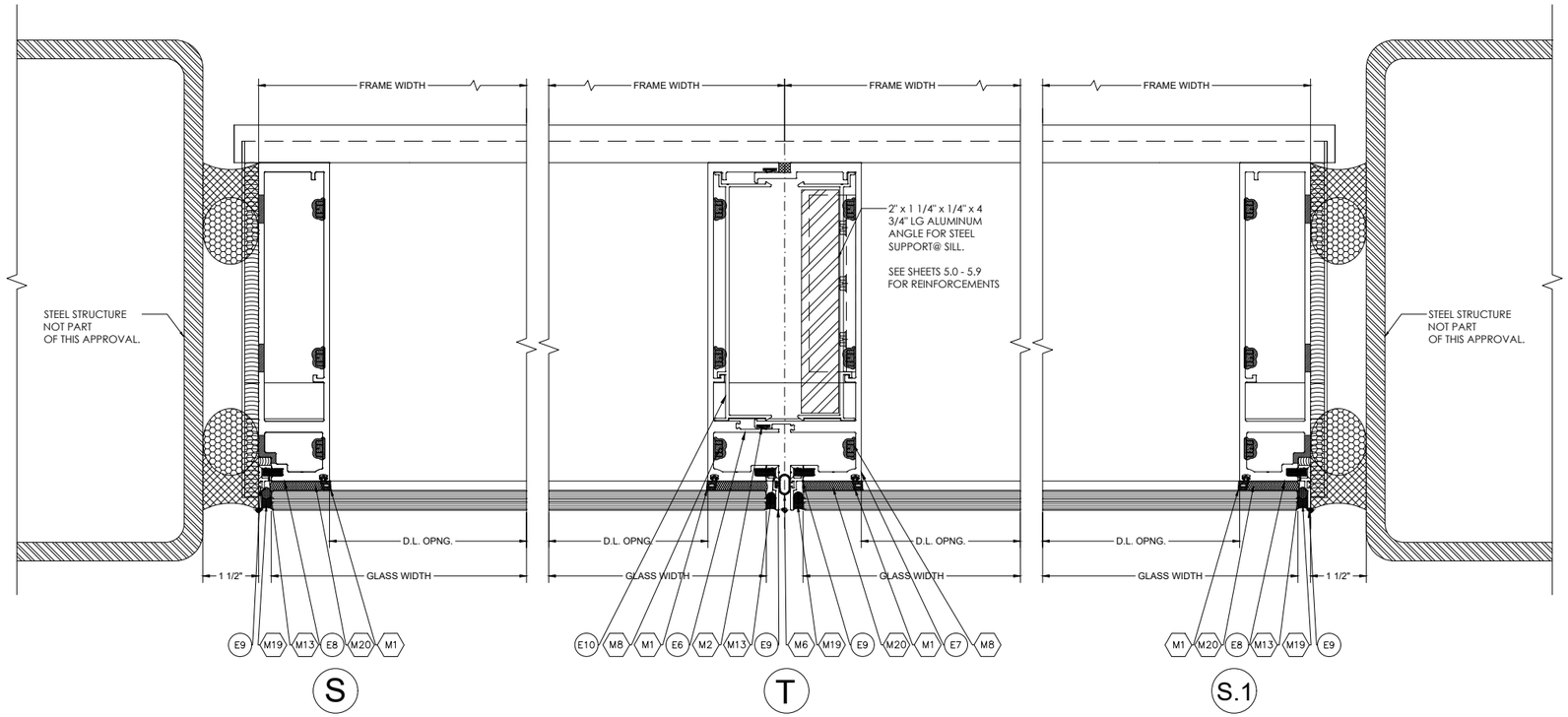
PO BOX 1339
DEERFIELD BEACH, FL 33443

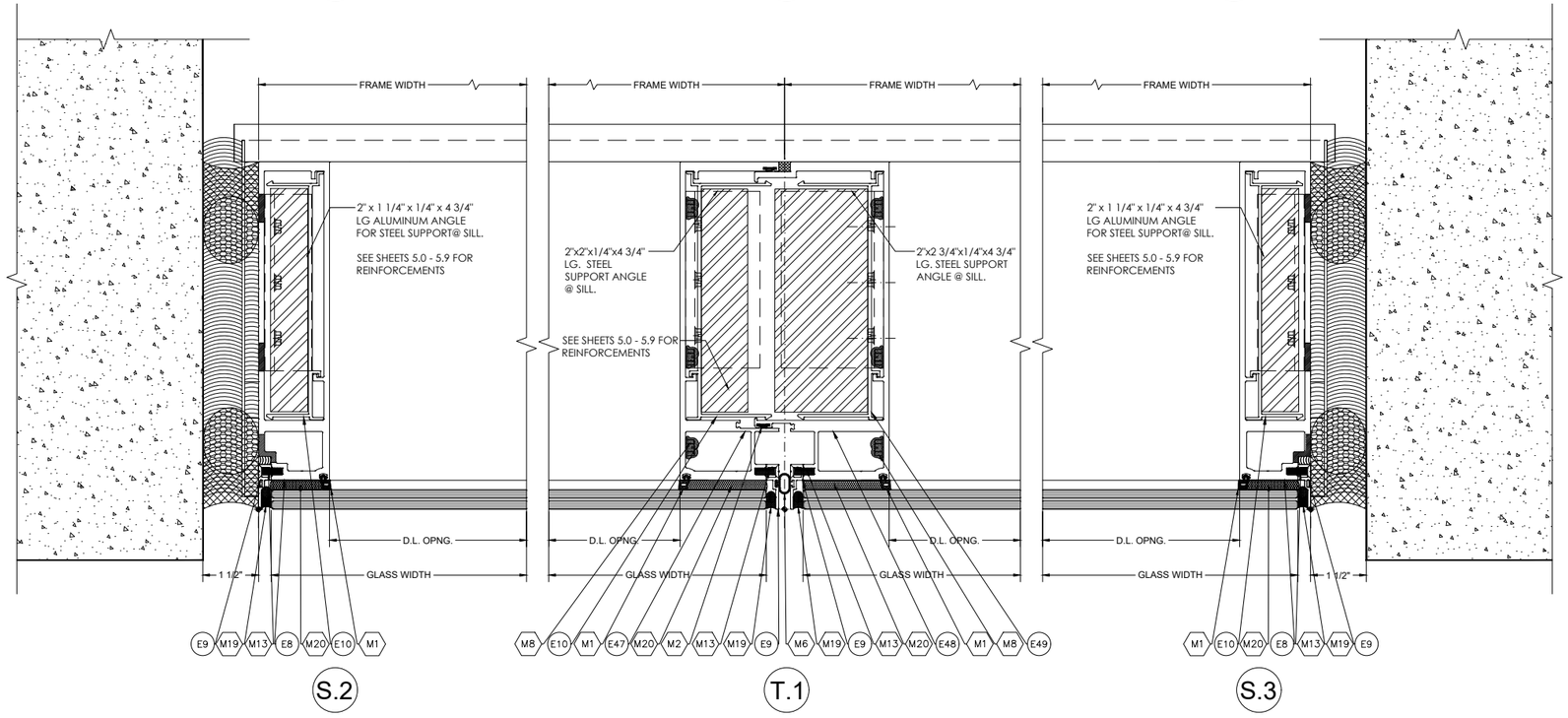
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JOHN FREDY DELGADO
LICENSE
No. 94078
04/16/2026
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

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DWG NUMBER: DT-PA-ESW-005		SCALE: 3" = 1'-0"
PAGE: 7.8 OF 8.4		





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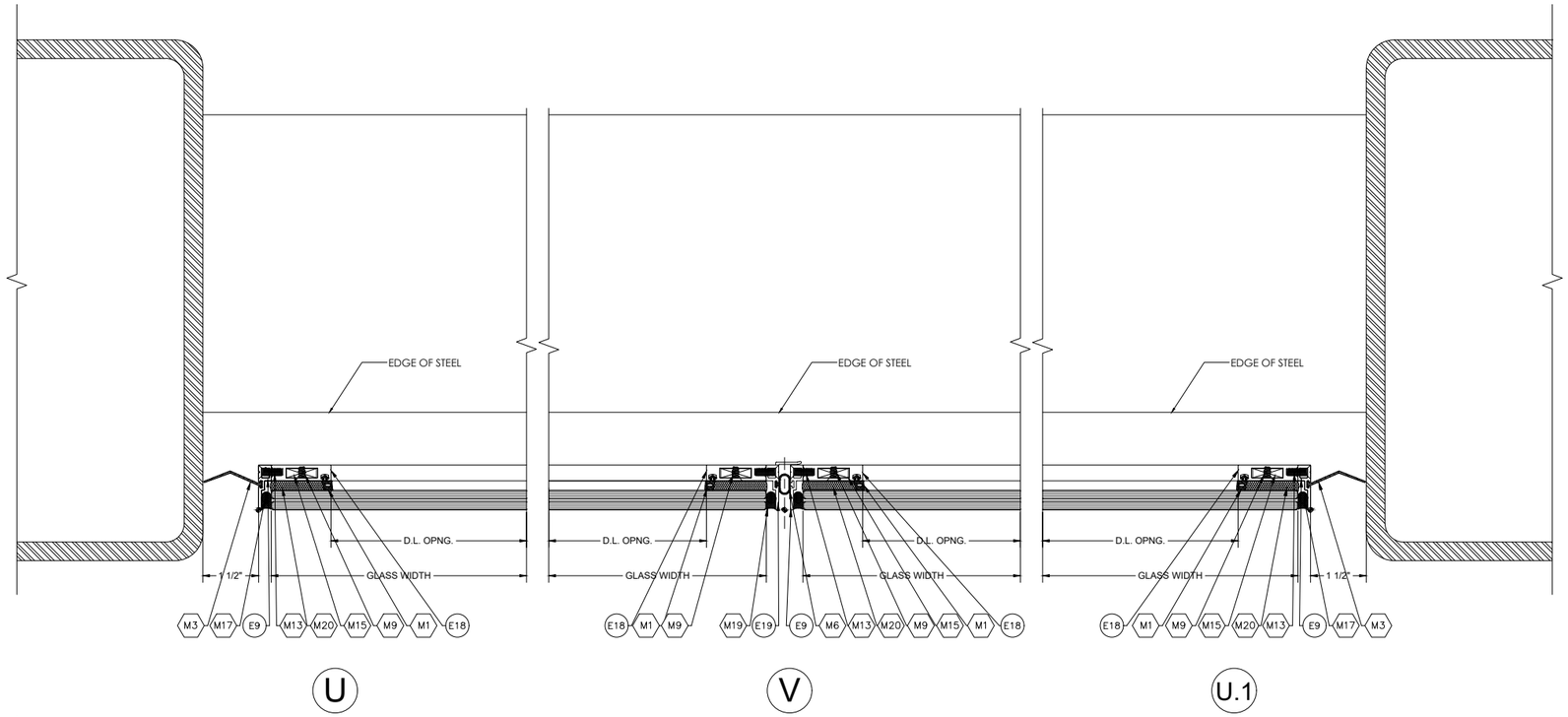
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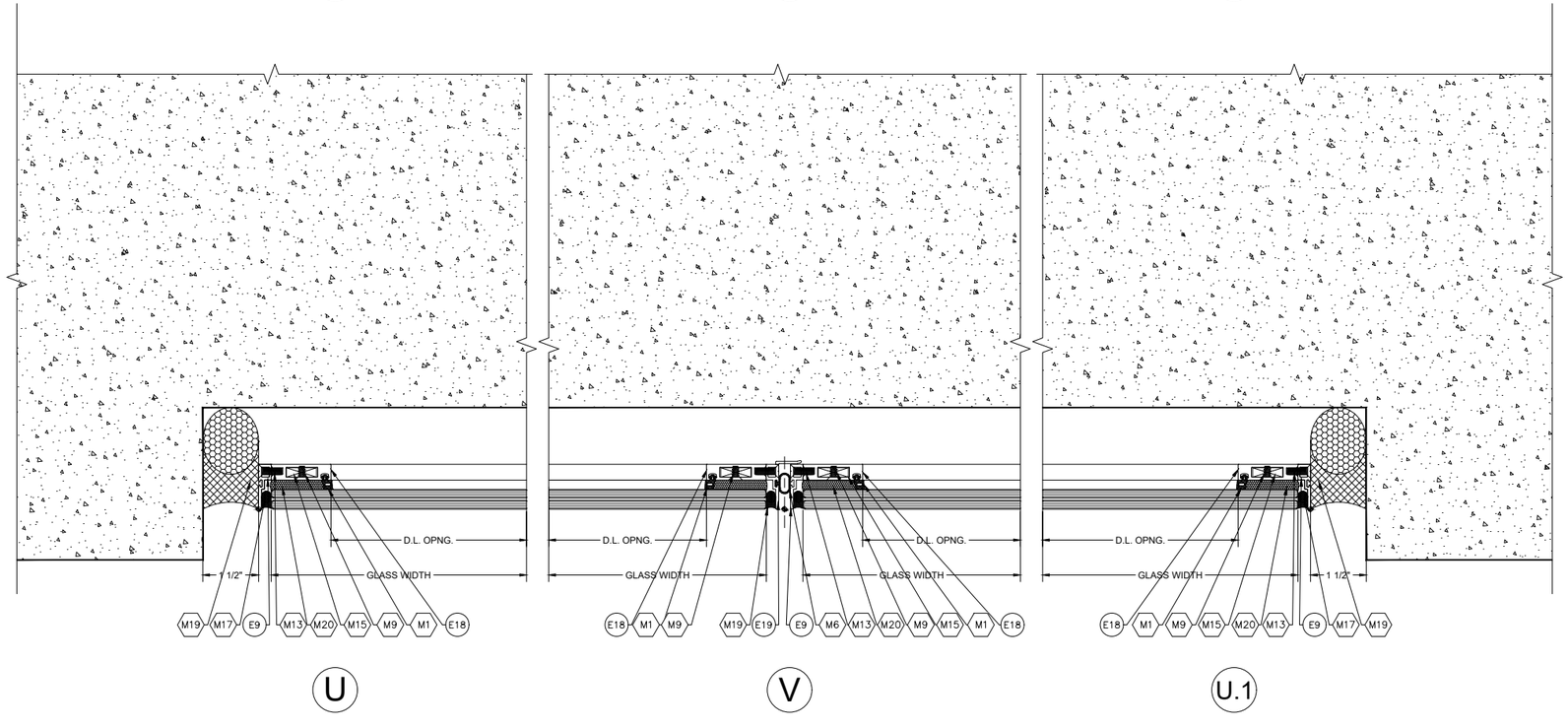
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DWG NUMBER
DT-PA-ESW-005

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PAGE
7.9 OF 8.4





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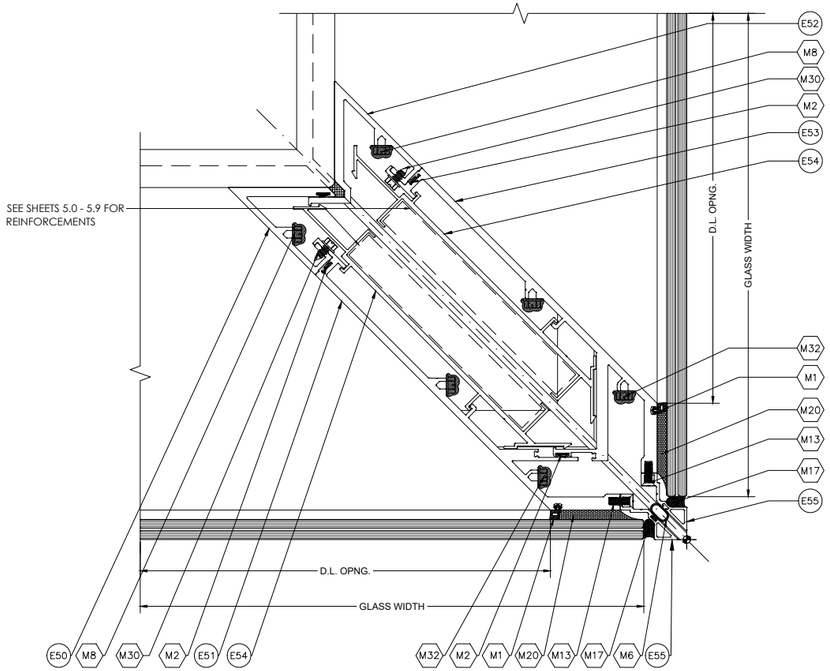
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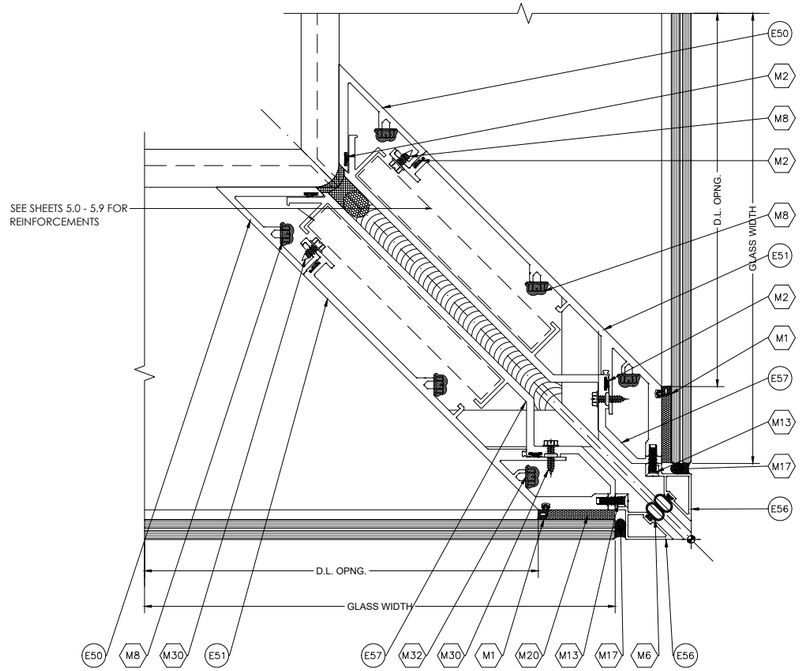
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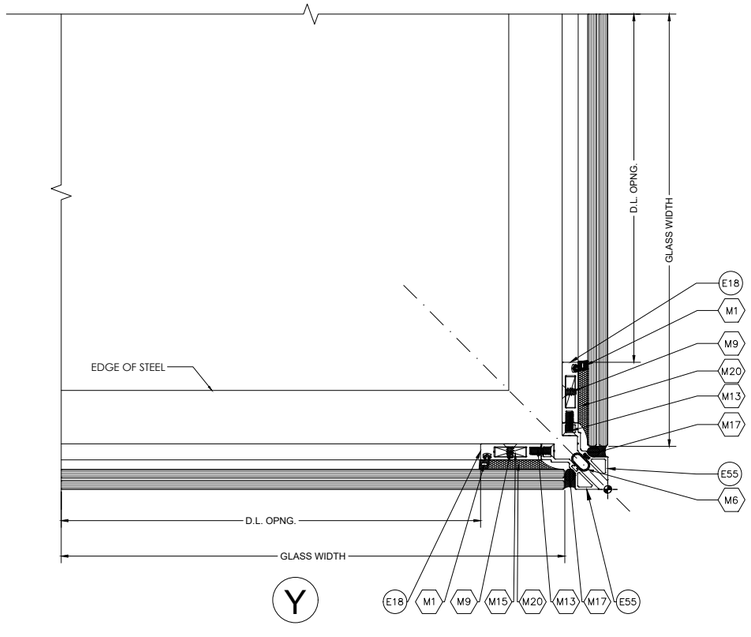
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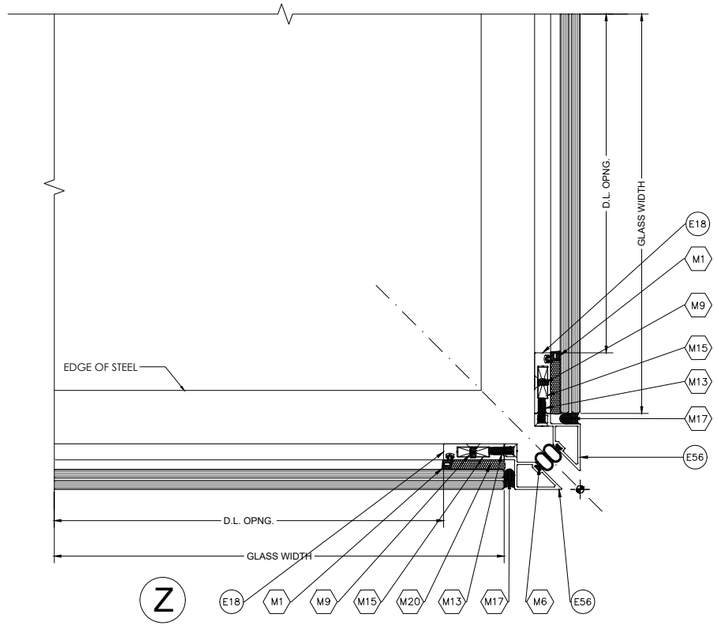
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DWG NUMBER: DT-PA-ESW-005
SCALE: 3" = 1'-0"
PAGE: 7.11 OF 8.4

CODE	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF. / SUPPLIER / REMARKS
E1	ES-WA9040-001	AS REQD.	FRAME HEAD	6005-T5	
E2	ES-WA9040-002	AS REQD.	SILL	6005-T5	
E3		AS REQD.	FRAME SILL ATERNATE	6005-T5	
E4	ES-WA9040-004	AS REQD.	HEAD TRIM	6063-T5	
E5	ES-WA9040-005	AS REQD.	SILL TRIM	6063-T5	
E6	ES-WA9040-006	AS REQD.	FEMALE MULLION	6005-T5	
E7	ES-WA9040-007	AS REQD.	MALE MULLION	6005-T5	
E8	ES-WA9040-008	AS REQD.	JAMB	6005-T5	
E9	ES-WA9040-009	AS REQD.	TRIM	6063-T6	
E10	ES-WA9040-010	AS REQD.	HOOK CLIP	6063-T6	
E11	ES-WA9040-011	AS REQD.	HEAD RECEPTOR	6005-T5	
E12	ES-WA9040-012	AS REQD.	HEAD RECEPTOR STOP	6005-T5	
E13	ES-WA9040-013	AS REQD.	HEAD RECEPTOR COVER	6063-T5	
E14	ES-WA9040-014	AS REQD.	SUBSILL	6005-T5	
E15	ES-WA9040-015	AS REQD.	SUBSILL COVER	6063-T5	
E16	ES-WA9040-016	AS REQD.	SLAB COVER TOP	6063-T6	
E17	ES-WA9040-017	AS REQD.	SLAB COVER BOTTOM	6063-T6	
E18	ES-WA9040-018	AS REQD.	SLAB COVER SIDE	6063-T6	
E19	ES-WA9040-019	AS REQD.	SLAB COVER SIDE TRIM	6063-T6	
E20	ES-WA9040-026	AS REQD.	HEAD RECEPTOR FILLER	6063-T6	
E21	ES-7530-206	AS REQD.	WASHER	6005-T6	
E22	ES-WA9040-059	AS REQD.	BOTTOM SLAB COVER SUPPORT	6063-T6	
E23	ES-WA9040-052	AS REQD.	SLAB COVER ADAPTER	6063-T6	
E24	ES-WA9040-035	AS REQD.	SLANTEDSUBSILL	6005-T5	
E25	ES-WA9040-040	AS REQD.	SLANTEDSLAB COVER TRIM	6063-T6	
E26	ES-WA9040-063	AS REQD.	SLANTEDSLAB COVER TRIM	6063-T6	
E27	ES-WA9040-034	AS REQD.	SLANTEDHEAD RECEPTOR	6005-T5	
E28	ES-WA9040-061	AS REQD.	SLANTEDRECEPTOR BACK	6005-T5	
E29	ES-WA9040-036	AS REQD.	SLANTEDHEAD RECEPTOR COVER	6063-T5	
E30	ES-WA9040-029	AS REQD.	SLANTEDHEAD TOP	6005-T5	
E31	ES-WA9040-030	AS REQD.	SLANTEDHEAD BOTTOM	6005-T5	
E32	ES-WA9040-033	AS REQD.	SLANTEDSILL TRIM	6063-T6	
E33	ES-WA9040-031	AS REQD.	SLANTEDSILL	6005-T5	
E34	ES-WA9040-062	AS REQD.	SLANTEDSUBSILL BOTTOM COVER	6063-T6	
E35	ES-WA9040-037	AS REQD.	SLANTEDSUBSILL COVER	6063-T5	
E36	ES-WA9040-051	AS REQD.	SLANTEDSLAB COVER TRIM	6063-T6	
E37	ES-WA9040-045	AS REQD.	SLANTEDHEAD TRIM	6063-T6	
E38	ES-WA9040-032	AS REQD.	BOTTOM SUBSILL WEDGE	6063-T6	
E39	ES-WA9040-046	AS REQD.	SLANTEDHEAD RECEPTOR	6005-T5	
E40	ES-WA9040-042	AS REQD.	SLANTEDHEAD TOP	6005-T5	
E41	ES-WA9040-041	AS REQD.	SLANTEDSLAB COVER TRIM	6063-T6	
E42	ES-WA9040-047	AS REQD.	SLANTEDHEAD RECEPTOR COVER	6063-T6	
E43	ES-WA9040-043	AS REQD.	SLANTEDHEAD BOTTOM	6005-T5	
E44	ES-WA9040-044	AS REQD.	SLANTEDSILL	6005-T5	
E45	ES-WA9040-048	AS REQD.	SLANTEDSUBSILL	6005-T5	
E46	ES-WA9040-049	AS REQD.	SLANTEDSUBSILL COVER	6063-T5	
E47	ES-WA9040-068	AS REQD.	FEMALE MULLION	6005-T5	
E48	ES-WA9040-069	AS REQD.	MALE MULLION	6005-T5	
E49	ES-WA9040-070	AS REQD.	WIDE HOOK CLIP	6063-T6	
E50	ES-WA9040-021	AS REQD.	FEMALE CORNER BACK	6005-T5	
E51	ES-WA9040-020	AS REQD.	FEMALE CORNER FRONT	6005-T5	
E52	ES-WA9040-023	AS REQD.	MALE CORNER BACK	6005-T5	
E53	ES-WA9040-022	AS REQD.	MALE CORNER FRONT	6005-T5	
E54	ES-WA9040-025	AS REQD.	CORNER CLIP	6063-T5	
E55	ES-WA9040-064	AS REQD.	CORNER TRIM	6063-T6	
E56	ES-WA9040-024	AS REQD.	CORNER TRIM	6063-T6	
E57	ES-WA9040-057	AS REQD.	CORNER MULLION FILLER	6005-T5	
E58	ALU-A-021	AS REQD.	ALUMINUM ANGLE	6063-T6	
E59	ES-U3525-215	AS REQD.	SLAB ANCHOR	6005-T5	
E60	ES-WA9040-003	AS REQD.	INTERMEDIATE HORIZONTAL	6005-T5	
E61	ES-WA9040-078	AS REQD.	MULLION FILLER	6063-T6	

CODE	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF. / SUPPLIER / REMARKS
M1	ES-UN625-G02	AS REQD.	GLAZING GASKET	SILICONE	DUROMETER ±70 SHORE A
M2	ES-WW38-G06	AS REQD.	AIR SEAL GASKET	EPDM	DUROMETER ±70 SHORE A
M3	ES-WA9040-G01	AS REQD.	WATER DEFLECTOR	SILICONE	DUROMETER ±70 SHORE A
M4	ES-5008S	AS REQD.	BULB VYNIL	SILICONE	DUROMETER ±70 SHORE A
M5	ES-W625-N01A	AS REQD.	1/4" DIA NYLON ROD 24"	SILICONE	DUROMETER ±60 SHORE A
M6	ES-7530-G05	AS REQD.	WATER DEFLECTOR @ VERTICAL JOINT	SILICONE	DUROMETER ±60 SHORE A
M7	ES-W625-G01A	AS REQD.	AIR SEAL @ STACK CAPTURED / SSG	EPDM	DUROMETER ±65 SHORE A
M8	#1/4" x 1 1/2" HWH	AS REQD.	ASSEMBLY SCREW	STAINLESS STEEL, SERIES 300	
M9	#10 x 3/8" FH	AS REQD.	SLAB COVER ASSEMBLY SCREW	STAINLESS STEEL, SERIES 300	
M10	#10-24 x 5/8" PH	AS REQD.	TRIM SCREW	STAINLESS STEEL, SERIES 300	
M11	#10-24 x 1/2" PH	AS REQD.	TRIM SCREW	STAINLESS STEEL, SERIES 300	
M12	#10 x 5/8" HWH	AS REQD.	ASSEMBLY SCREW	STAINLESS STEEL, SERIES 300	
M13	#10-24 x 5/8" FH	AS REQD.	TRIM SCREW	STAINLESS STEEL, SERIES 300	
M14	80-372A S	AS REQD.	SETTING BLOCK	SILICONE	
M15	13/16" x 1/4"	AS REQD.	SLAB COVER CORNER KEY	ALUMINUM	
M16	Ø 1"	AS REQD.	BACKER ROD	FILTENE	
M17	Ø 3/8"	AS REQD.	BACKER ROD	FILTENE	
M18	123 SEAL	AS REQD.	SILICONE SPLICE	SILICONE	
M19	DS-795	AS REQD.	SILICONE	SILICONE	
M20	DS-983	AS REQD.	SILICONE	SILICONE	
M21	ES-7530-G04 A TP+PPV	AS REQD.	WATER DEFLECTOR	SILICONE	
M22	ALU-P-002	AS REQD.	PLATE 2" x 1/8"	STEEL (A36 MIN. FU=58ksi)	
M23	ALU-P-003	AS REQD.	PLATE 1/2" X 1/8"	STEEL (A36 MIN. FU=58ksi)	
M24	8 * 3/8 FH	AS REQD.	SLAB COVER	STAINLESS STEEL, SERIES 300	
M25	#12" X 1" FH	AS REQD.	HEAD RECEPTOR SCREW	STAINLESS STEEL, SERIES 300	
M26	5/16 DEWALT DRIL-FLEX AT 12" O.C.	AS REQD.	SLAB COVER SUPPORT	CARBON STEEL	
M27	#1/2 HWH SELF TAPPING	AS REQD.	SLAB COVER SUPPORT	CARBON STEEL	
M28	1/2" - 13 X 3" BOLT	AS REQD.	HEAD RECEPTOR	CARBON, SAE GRADE 5	
M29	5/16" DEWALT ULTRACON	AS REQD.	HEAD RECEPTOR	CARBON STEEL	
M30	#14 X 3/4" HWH	AS REQD.	SLAB COVER SUPPORT	STAINLESS STEEL, SERIES 300	
M31	#10 X 5/8" PH	AS REQD.	SCREW FOR BRAKE METAL FILLER	STAINLESS STEEL, SERIES 300	
M32	#10 x 3/4" HWH	AS REQD.	CORNER MULLION FILLER	STAINLESS STEEL, SERIES 300	
M33	STEEL REINFORCEMENT	AS REQD.	1/2"x6" FULL LENGTH	STEEL (A36 MIN. FU=58ksi)	
M34	STEEL REINFORCEMENT	AS REQD.	1" x 6" FULL LENGTH	STEEL (A36 MIN. FU=58ksi)	
M36	STEEL REINFORCEMENT	AS REQD.	1-1/4"x6" FULL LENGTH	STEEL (A36 MIN. FU=58ksi)	
M37	STEEL REINFORCEMENT	AS REQD.	2-1/2"x6" FULL LENGTH	STEEL (A36 MIN. FU=58ksi)	
M38	STEEL REINFORCEMENT	AS REQD.	3/4"x6" FULL LENGTH	STEEL (A36 MIN. FU=58ksi)	
M39	80-372A X	AS REQD.	1/4" THK. SETTING BLOCK	SILICONE	
M40	80-372A X	AS REQD.	WEDGE SETTING BLOCK	SILICONE	
M41	ALU-P-004	AS REQD.	PLATE 1 1/4" X 1/8"	STEEL	
M42	ALU-P-005	AS REQD.	PLATE 4" X 1/4"	STEEL (A36 MIN. FU=58ksi)	
M43	ES-8011A	AS REQD.	SILICONE BUMPON	SILICONE	
M44	DS-791	AS REQD.	SILICONE	SILICONE SEALANT	
M45	#12" X 1" H.H	AS REQD.	ALUMINUM SUPPORT ANGLE	STAINLESS STEEL, SERIES 300	
M46	#10" X 1" P.H	AS REQD.	FIXED PANEL	STAINLESS STEEL, SERIES 300	
M47	PS01-0014-FINISH	AS REQD.	INVOLUTE KIT HANDLE	DIE CAST ALUMINUM	
M48	PS01-1020	AS REQD.	IMORTISE POINT LOCK 30MM	ZINC DIE CAST	
M49	S201-1016-FINISH	AS REQD.	TWO POINT STRIKE	STAINLESS STEEL	

SEALANTS

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

E.S.
WINDOWS, LLC

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

ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:

FL# 47332.2

SHEET NAME:

DRAWING REVISION LOG

No.	Date:	Revision:
R1	05/02/2025	UPDATE
R3	08/25/2025	UPDATE
R4	10/22/2025	UPDATE
R5	04/16/2026	UPDATE

ENGINEER:

DEERFIELD TECHNICAL INC.
CA# 36112

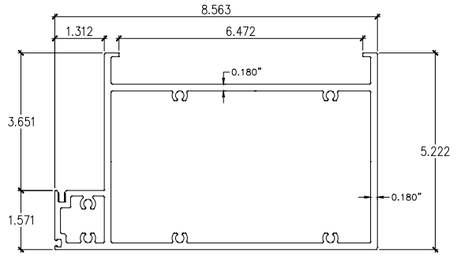
PO BOX 1339
DEERFIELD BEACH, FL 33443

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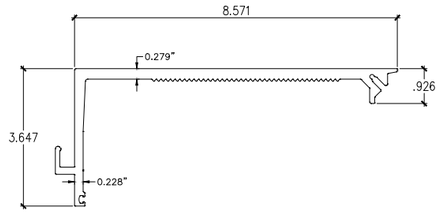
JOHN FREDY DELGADO LICENSE No. 94078 STATE OF FLORIDA PROFESSIONAL ENGINEER 04/16/2026

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

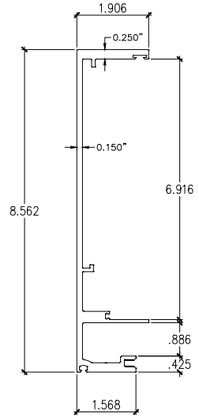
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AC	SS & DF	05/02/2025
DWG NUMBER: DT-PA-ESW-005		SCALE: N.T.S.
PAGE: 8.0 OF 8.4		



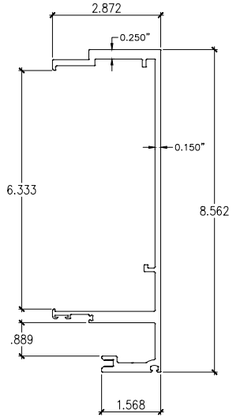
E1 HEAD



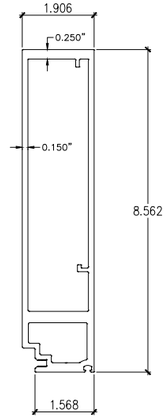
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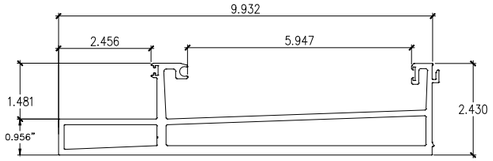
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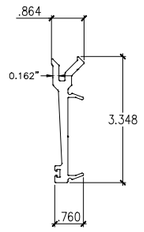
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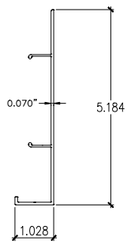
E8 MULLION



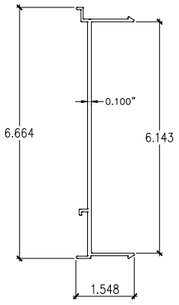
E3 SILL ATERNATE



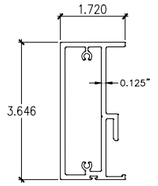
E12 HEAD RECEPTOR STOP



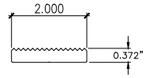
E13 HEAD RECEPTOR COVER



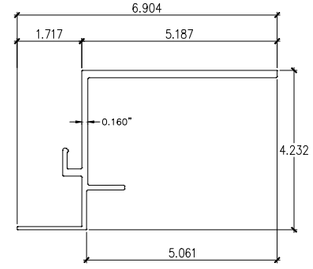
E10 HOOK CLIP



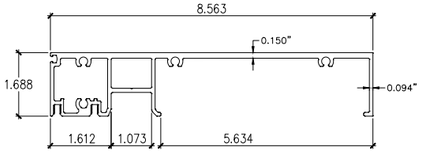
E20 HEAD RECEPTOR FILLER



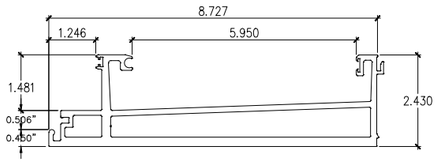
E21 WASHER



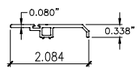
E22 BOTTOM SLAB COVER SUPPORT



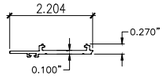
E2 FRAME SILL



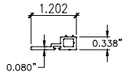
E14 FRAME SUBSILL



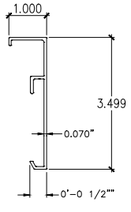
E4 HEAD TRIM



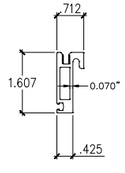
E5 SILL TRIM



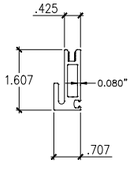
E9 FRAME TRIM



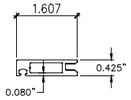
E15 FRAME SUBSILL COVER



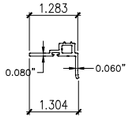
E16 SLABCOVER TOP



E17 SLABCOVER BOTTOM



E18 SLABCOVER SIDE



E19 SLABCOVER SIDE TRIM

E.S.
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PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:

DRAWING REVISION LOG

No.	Date:	Revision:
R1	05/02/2025	UPDATE
R3	08/25/2025	UPDATE
R4	10/22/2025	UPDATE
R5	04/16/2026	UPDATE

ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

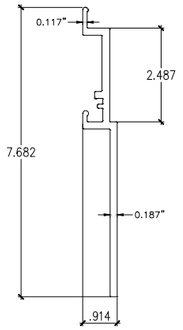
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JOHN FREDY DELGADO LICENSE No. 94078 STATE OF FLORIDA PROFESSIONAL ENGINEER 04/16/2026

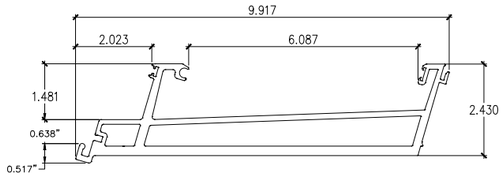
JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY	DRAFTED BY	DATE
AC	SS & DF	05/02/2025

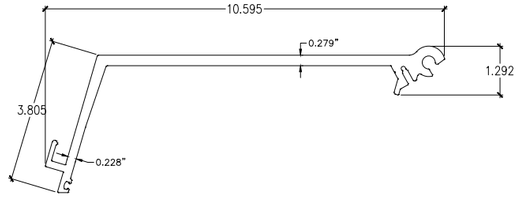
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PAGE: 8.1 OF 8.4



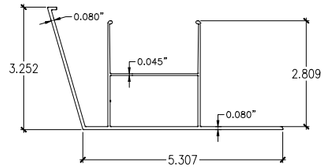
E23 SLAB COVER ADAPTER



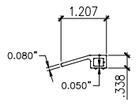
E24 SLANTEDSUBSILL



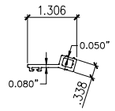
E27 SLANTEDHEAD RECEPTOR



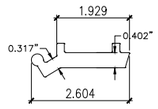
E29 SLANTEDHEAD RECEPTOR COVER



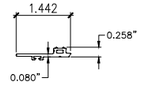
E25 SLANTEDSLAB COVER TRIM



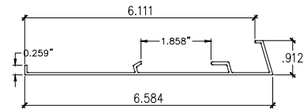
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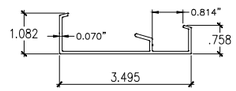
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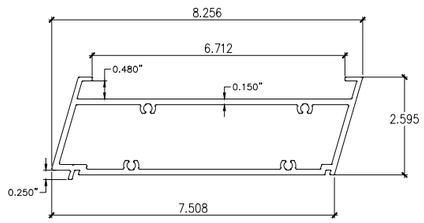
E32 SLANTEDSILL TRIM



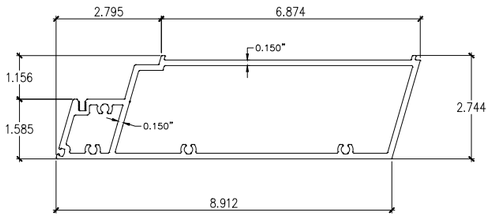
E34 SLANTEDSUBSILL BOTTOM COVER



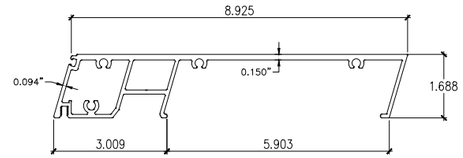
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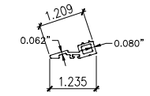
E30 SLANTEDHEAD TOP



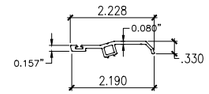
E31 SLANTEDHEAD BOTTOM



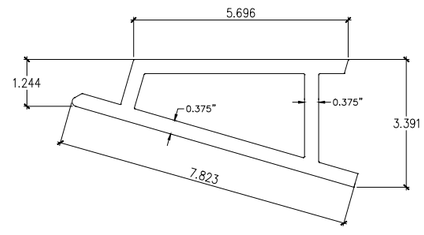
E33 SLANTEDSILL



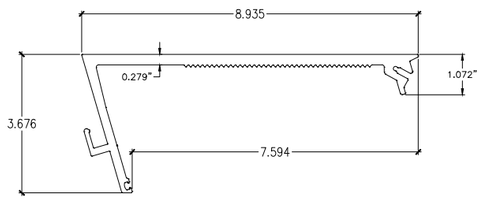
E36 SLANTEDSLAB COVER TRIM



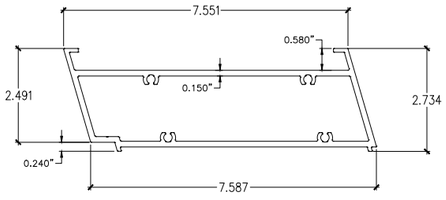
E37 SLANTEDHEAD TRIM



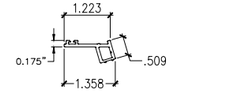
E38 BOTTOM SUBSILL WEDGE



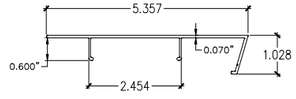
E39 SLANTEDHEAD RECEPTOR



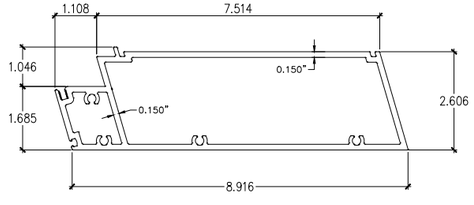
E40 SLANTEDHEAD TOP



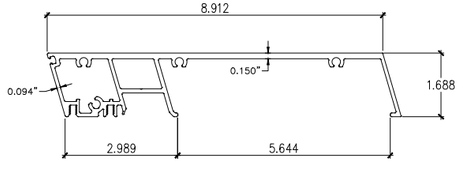
E41 SLANTEDSLAB COVER TRIM



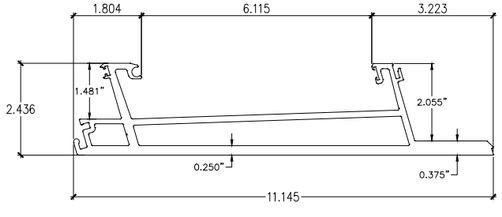
E42 SLANTEDHEAD RECEPTOR COVER



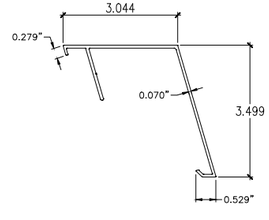
E43 SLANTEDHEAD BOTTOM



E44 SLANTEDSILL



E45 SLANTEDSUBSILL



E46 SLANTEDSUBSILL COVER

E.S.
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PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:

DRAWING REVISION LOG

No.	Date:	Revision:
R1	05/02/2025	UPDATE
R3	08/25/2025	UPDATE
R4	10/22/2025	UPDATE
R5	04/16/2026	UPDATE

ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

PO BOX 1339
DEERFIELD BEACH, FL 33443

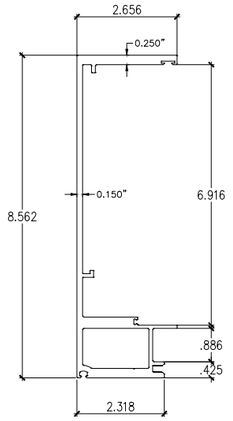
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JOHN FREDY DELGADO LICENSE No. 94078 04/16/2026 STATE OF FLORIDA PROFESSIONAL ENGINEER

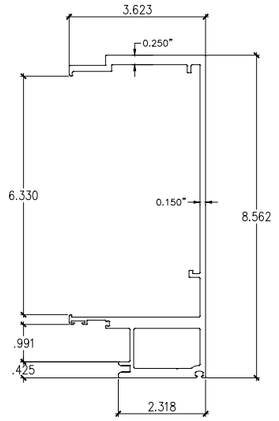
JOHN DELGADO, P.E.
FL. REG. # 94078

PREPARED BY	DRAFTED BY	DATE
AC	SS & DF	05/02/2025

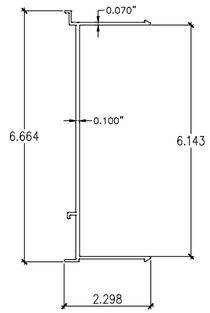
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SCALE: 3" = 1'-0"
PAGE: 8.2 OF 8.4



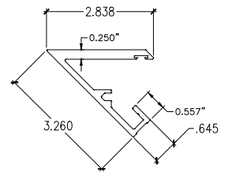
E47 FEMALE MULLION



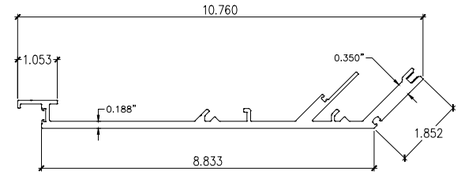
E48 MALE MULLION



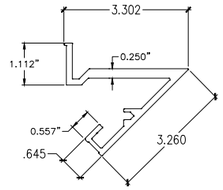
E49 WIDE HOOK CLIP



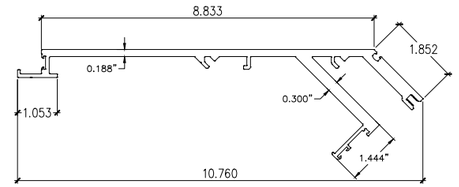
E50 FEMALE CORNER BACK



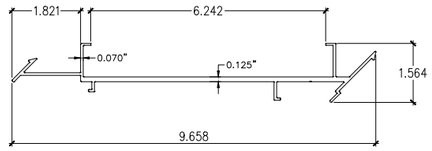
E51 FEMALE CORNER FRONT



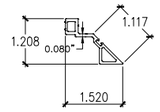
E52 MALE CORNER BACK



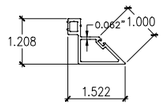
E53 MALE CORNER FRONT



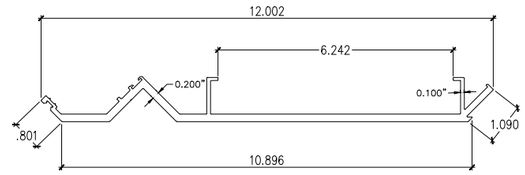
E54 CORNER CLIP



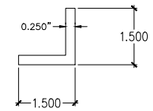
E55 CORNER TRIM



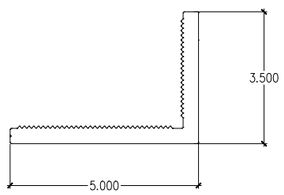
E56 CORNER TRIM



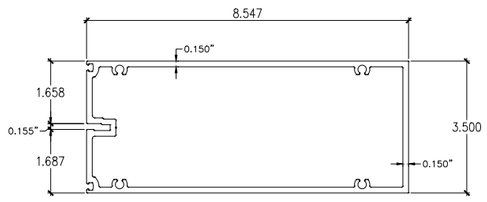
E57 CORNER MULLION FILLER



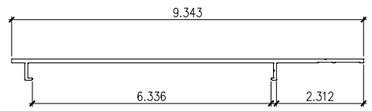
E58 ALUMINUM ANGLE



E59 SLAB ANCHOR



E60 INTERMEDIATE HORIZONTAL



E61 MULLION FILLER

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PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:

DRAWING REVISION LOG

No.	Date:	Revision:
R1	05/02/2025	UPDATE
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R4	10/22/2025	UPDATE
R5	04/16/2026	UPDATE

ENGINEER:
DEERFIELD TECHNICAL INC.
CA# 36112

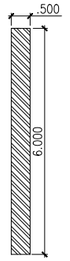
PO BOX 1339
DEERFIELD BEACH, FL 33443

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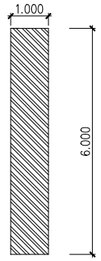
JOHN FREDY DELGADO LICENSE No. 94078 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/16/2026

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

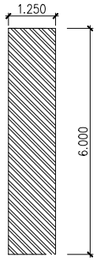
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AC	SS & DF	05/02/2025
DWG NUMBER		SCALE
DT-PA-ESW-005		3" = 1'-0"
PAGE 8.3 OF 8.4		



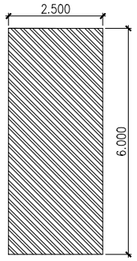
M33 REINFORCEMENT



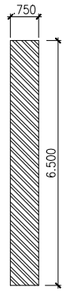
M34 REINFORCEMENT



M36 REINFORCEMENT



M37 REINFORCEMENT



M38 REINFORCEMENT

E.S.
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PROJECT
ES-WA9040
ALUMINUM WINDOW WALL
SMALL MISILE IMPACT

FLORIDA APPROVAL #:
FL# 47332.2

SHEET NAME:

DRAWING REVISION LOG

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ENGINEER:

DEERFIELD TECHNICAL INC.
CA# 36112

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DEERFIELD BEACH, FL 33443

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04/16/2026

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PREPARED BY	DRAFTED BY	DATE
AC	SS & DF	05/02/2025

DWG NUMBER	SCALE
DT-PA-ESW-005	3" = 1'-0"

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