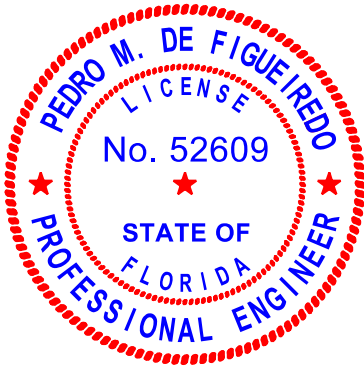




PHOENIX ALUMINUM PRODUCTS, LLC
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SERIES 6000 ALUMINUM CURTAIN WALL



Pedro De Figueiredo
PE 52609
08/12/2026

- GENERAL NOTES: (FLORIDA BUILDING CODE 2026 - 9TH EDITION)
- 1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2- DEFINITION: THIS PRODUCT IS AN ALUMINUM CURTAIN WALL SYSTEM DESIGNED, CONSTRUCTED AND TESTED TO PROVIDE PROTECTION FROM HURRICANE FORCE WINDS AND WIND BORNE DEBRIS (LARGE (LEVELS D, E & SMALL MISSILE) WITHIN THE ALLOWABLE DESIGNED PRESSURES AND LIMITATIONS STATED IN THIS APPROVAL.
- 3- POSTING: PRODUCT SHALL BE LABELED WITH A PERMANENT LABEL, MARKING OR ETCHING AND SHALL PROVIDE TRACEABILITY TO THE MANUFACTURER AND PRODUCT.
- 4- PROJECT DESIGN PRESSURES: THE PROJECT DESIGNED PRESSURES MUST BE CALCULATED BASED ON ASCE 7-22, BY A PROFESSIONAL ARCHITECT OR ENGINEER. THE PROJECT DESIGNED PRESSURE, AS DETERMINED BY ASCE 7-22, ARE PERMITTED TO BE MULTIPLIED BY 0.6 AND THEY MUST NOT EXCEED THE ALLOWABLE PRODUCT PRESSURE SPECIFIED HERE-IN.
- 5- MATERIAL: ALL ALUMINUM PARTS TO BE 6063-T6 ALUMINUM ALLOY OR SPECIFIED
- 6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL. ANCHOR QUANTITY & SPACING MUST NOT EXCEED THE MAXIMUM LIMITS SPECIFIED BY THIS APPROVAL.
- 7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:
7.1- THE STABILITY OF THE STRUCTURE WHERE THE PRODUCT IS TO BE ATTACHED INSURING PROPER ANCHORAGE.
7.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.
7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.
- 8- WOOD BUCKS (1x or 2x) BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

SHEET	DESCRIPTION
1	GENERAL NOTES, TEST REPORTS, TABLE OF CONTENTS
2	GLAZING SELECTION & DESIGN - INSULATED
3	GLAZING SELECTION & DESIGN - LAMINATED
4	FRAMING SELECTION - SINGLE SPAN CURTAIN WALL
5	FRAMING SELECTION - MULTIPLE SPAN CURTAIN WALL
6	FRAMING SELECTION - SINGLE SPAN CURTAIN WALL W/ REINFORCEMENT
7	FRAMING SELECTION - CURTAIN WALL WITH DOOR
8	TYPICAL SECTIONS: LAMINATED GLAZING HORIZONTAL
9	TYPICAL SECTIONS: INSULATED GLAZING HORIZONTAL
10	TYPICAL SECTIONS: LAMINATED GLAZING VERTICAL
11	TYPICAL SECTIONS: INSULATED GLAZING VERTICAL
12	TYPICAL SECTIONS: DOOR SECTIONS
13	TYPICAL SECTIONS: CANTILEVER CLOSURE AND VERTICAL MULLION SPLICE
14	CONNECTIONS: WALL DETAILS
15	CONNECTIONS: FLOOR / CEILING CONNECTION - JAMB & MULLION
16	CONNECTIONS: FLOOR / CEILING CONNECTION - 90 DEGREES CORNER
17	CONNECTIONS: STEEL BRACKETS
18	PRODUCT COMPONENTS
19	PRODUCT COMPONENTS

DIGITALLY SIGNED FOR 19 PAGES

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY PEDRO DE FIGUEIREDO, PE 52609 ON THE DATE INDICATED HERE.

TEST REPORTS:

1- BT-PHO-22-001 -

6 MODULES:
60" X (150"+150"+ 50 5/8" (CANTILEVER)) + 90° CORNER
(12) 57 1/2" X 117 1/2" DLO GLAZING
(12) 57 1/2" X 47 3/4" DLO GLAZING

TEST PROTOCOLS:
AAMA 501-15 (MANDATORY SECTIONS)
AIR INFILTRATION ASTM E283-04
WATER INFILTRATION ASTM E331-00 (2009) - (13.5 PSF)
TAS 202 - (+90 PSF, -120 PSF)
FORCE ENTRY ASTM F588-14
ANSI Z97.1
TAS 201-94 (ASTM E1996-14a) (LEVELS A, D AND E)
TAS 203-94 (ASTM E1886-13a) (+90, -135 PSF)

2- BT-PHO-22-004 -

3 MODULES:
61 1/4" X 120"
(2) 57 1/2" X 115" DLO GLAZING
(1) 58 3/4" X 115" DLO GLAZING

TEST PROTOCOLS:
AAMA 501-15 (MANDATORY SECTIONS)
AIR INFILTRATION ASTM E283-04
WATER INFILTRATION ASTM E331-00 (2009) (9 PSF)
TAS 202 - (+60 PSF, -75 PSF)
FORCE ENTRY ASTM F588-14
ANSI Z97.1
TAS 201-94 (ASTM E1996-14a) (LEVEL D)
TAS 203-94 (ASTM E1886-13a) (+60, -75 PSF)

3- BT-PHO-22-003 -

3 MODULES + DOOR + TRANSOM:
247" X 149 3/4"
(3) 45 1/2" X 117 1/2" DLO GLAZING
(3) 45 1/2" X 24 3/4" DLO GLAZING
(1) 98" X 24 3/4" DLO TRANSOM
(1) 98" X 120 1/2" DOOR R.O.

TEST PROTOCOLS:
AAMA 501-15 (MANDATORY SECTIONS)
AIR INFILTRATION ASTM E283-04
TAS 202 - (+90 PSF, -105 PSF)
FORCE ENTRY ASTM F588-14
ANSI Z97.1
TAS 201-94 (ASTM E1996-14a) (LEVEL D)
TAS 203-94 (ASTM E1886-13a) (+90, -105 PSF)

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PPM Inc.

PRODUCT:
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SHEET 1

INSULATED GLAZING SELECTION & DESIGN

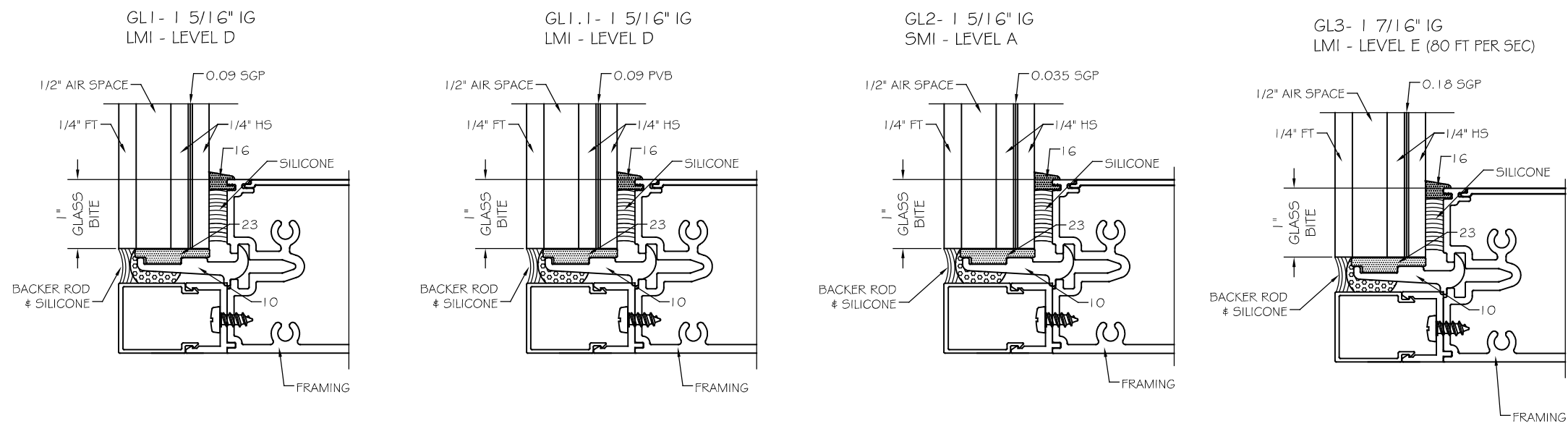
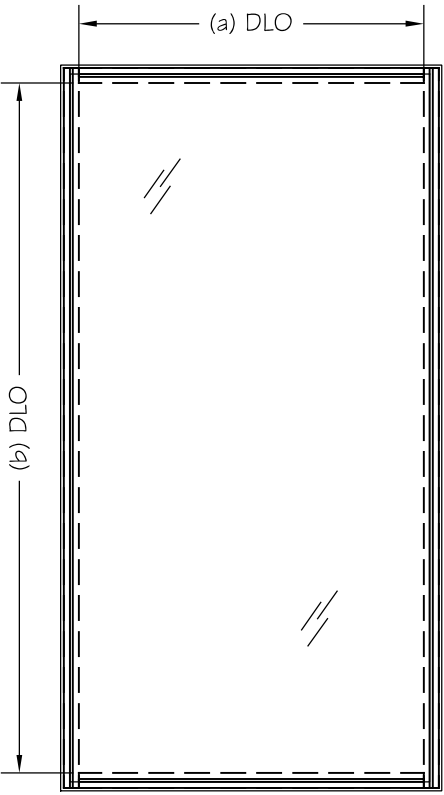


TABLE 1 - INSULATED GLAZING SELECTION
PRESSURE (PSF) AND IMPACT RATING

	IMPACT RATE		LMI, D		LMI, D		SMI, A		LMI, E	
	GLAZING TYPE		GL1		GL1.1		GL2		GL3	
	a	b	POS	NEG	POS	NEG	POS	NEG	POS	NEG
MAXIMUM GLAZING DLO SIZES	45.5	117.5	90	135	60	75	90	135	90	135
	51	117.5	90	135	60	75	90	135	90	135
	55	117.5	90	131	60	75	90	131	90	131
	57.5	115.0	90	126	60	75	90	126	90	126
	57.5	117.5	90	124	na	na	90	124	90	124

INSULATED LAMINATED GLAZING OPTIONS

MARK	THICKNESS	OUTER LITE	AIR SPACE	INNER LITE	INTERLAYER	IMPACT RATE
GL1	1 5/16" IG	1/4" FT	1/2"	2x 1/4" HS laminated	.09 SGP	LMI, D
GL1.1	1 5/16" IG	1/4" FT	1/2"	2x 1/4" HS laminated	.09 PVB	LMI, D
GL2	1 5/16" IG	1/4" FT	1/2"	2x 1/4" HS laminated	.035 SGP	SMI, A
GL3	1 3/8" IG	1/4" FT	1/2"	2x 1/4" HS laminated	.180 SGP	LMI, E

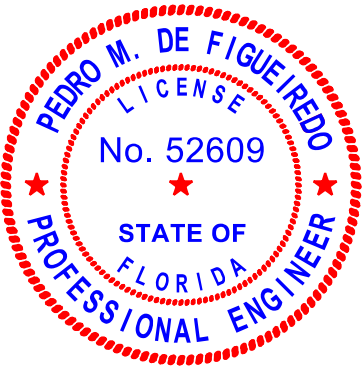


FBC SECTION 2411.3.3.1 FOR EACH FIXED GLASS SILL WITH WIDTH MORE THAN 3 FEET TO HAVE TWO APPROVED NEOPRENE SETTING BLOCKS 70-90 SHORE A DUROMETER HARDNESS

GLAZING TESTED UNDER PROTOCOLS: TAS 202, TAS 201, TAS 203 ANZI Z97.1 A5TM E330, A5TM E1996, A5TM E1886 WATER AND AIR INFILTRATION

GL2 IS APPLICABLE FOR INSTALLATIONS ABOVE 30' ELEVATIONS OR WITH APPROVED HURRICANE IMPACT SHUTTERS FOR ALL ELEVATIONS

- NOTES:
- 1 - SILICONE GLAZING OPTIONS: DOW 995 BLACK OR TREMCO PROGLAZED
 - 2- LMI: LARGE MISSILE IMPACT OR LEVEL D IMPACT
 - 3- SMI: SMALL MISSILE IMPACT OR LEVEL A IMPACT
 - 4- LMI E: LARGE MISSILE LEVEL E IMPACT
 - 5- (a) SMALLER DLO, (b) LARGEST DLO



Pedro De Figueiredo
PE 52609
08/12/2026

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SHEET
2

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LAMINATED GLAZING SELECTION & DESIGN

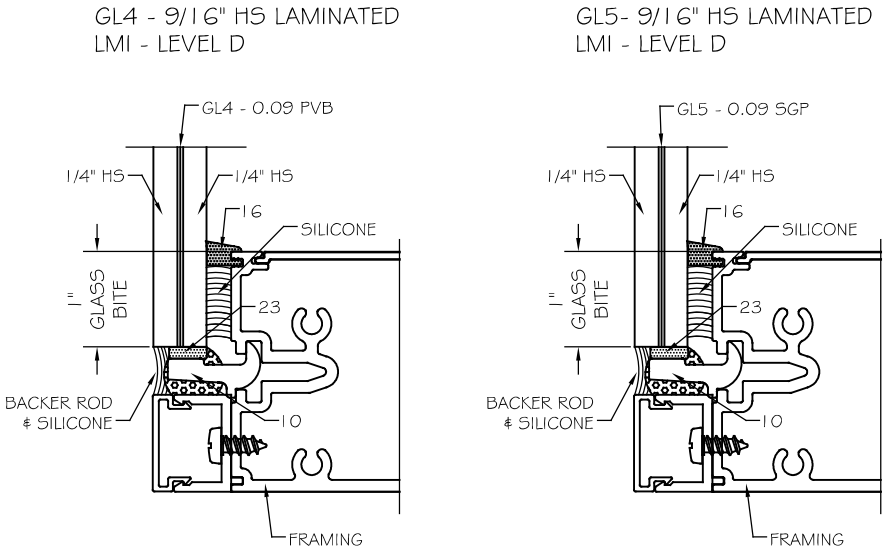
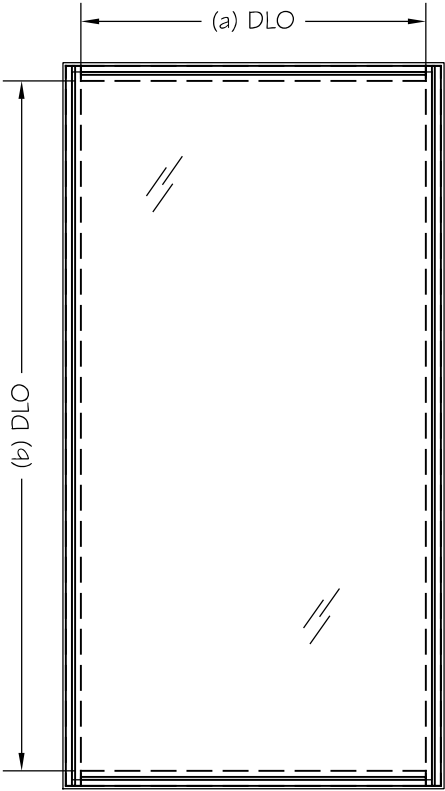


TABLE 1.1 - LAMINATED GLAZING SELECTION
 PRESSURE (PSF) AND IMPACT RATING

MAXIMUM GLAZING DLO SIZES	IMPACT RATE		LMI, D		LMI, D	
	GLAZING TYPE		GL4		GL5	
	a	b	POS	NEG	POS	NEG
	45.5	117.5	60	75	90	105
	55	117.5	60	75	74	87

LAMINATED GLAZING OPTION

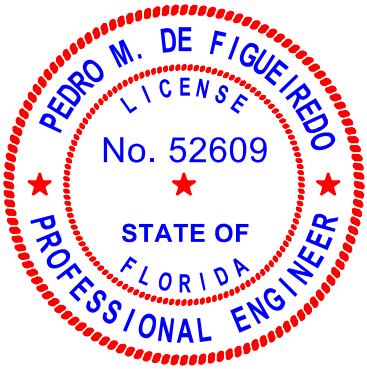
MARK	THICKNESS	GLAZING	INTERLAYER	IMPACT RATE
GL 4	9/16"	2x 1/4" HS laminated	0.09 PVB	LMI, D
GL 5	9/16"	2x 1/4" HS laminated	0.090 SGP	LMI, D



FBC SECTION 2411.3.3.1 FOR EACH FIXED GLASS SILL WITH WIDTH MORE THAN 3 FEET TO HAVE TWO APPROVED NEOPRENE SETTING BLOCKS 70-90 SHORE A DUROMETER HARDNESS

 GLAZING TESTED UNDER PROTOCOLS: TAS 202, TAS 201, TAS 203 ANZI Z97.1
 ASTM E330, ASTM E1996, ASTM E1886 WATER AND AIR INFILTRATION

- NOTES:
- 1- SILICONE GLAZING OPTIONS: DOW 995 BLACK OR TREMCO PROGLAZED
 - 2- LMI: LARGE MISSILE IMPACT OR LEVEL D IMPACT
 - 3- SMI: SMALL MISSILE IMPACT OR LEVEL A IMPACT
 - 4- LMI E: LARGE MISSILE LEVEL E IMPACT
 - 5- (a) SMALLER DLO, (b) LARGEST DLO



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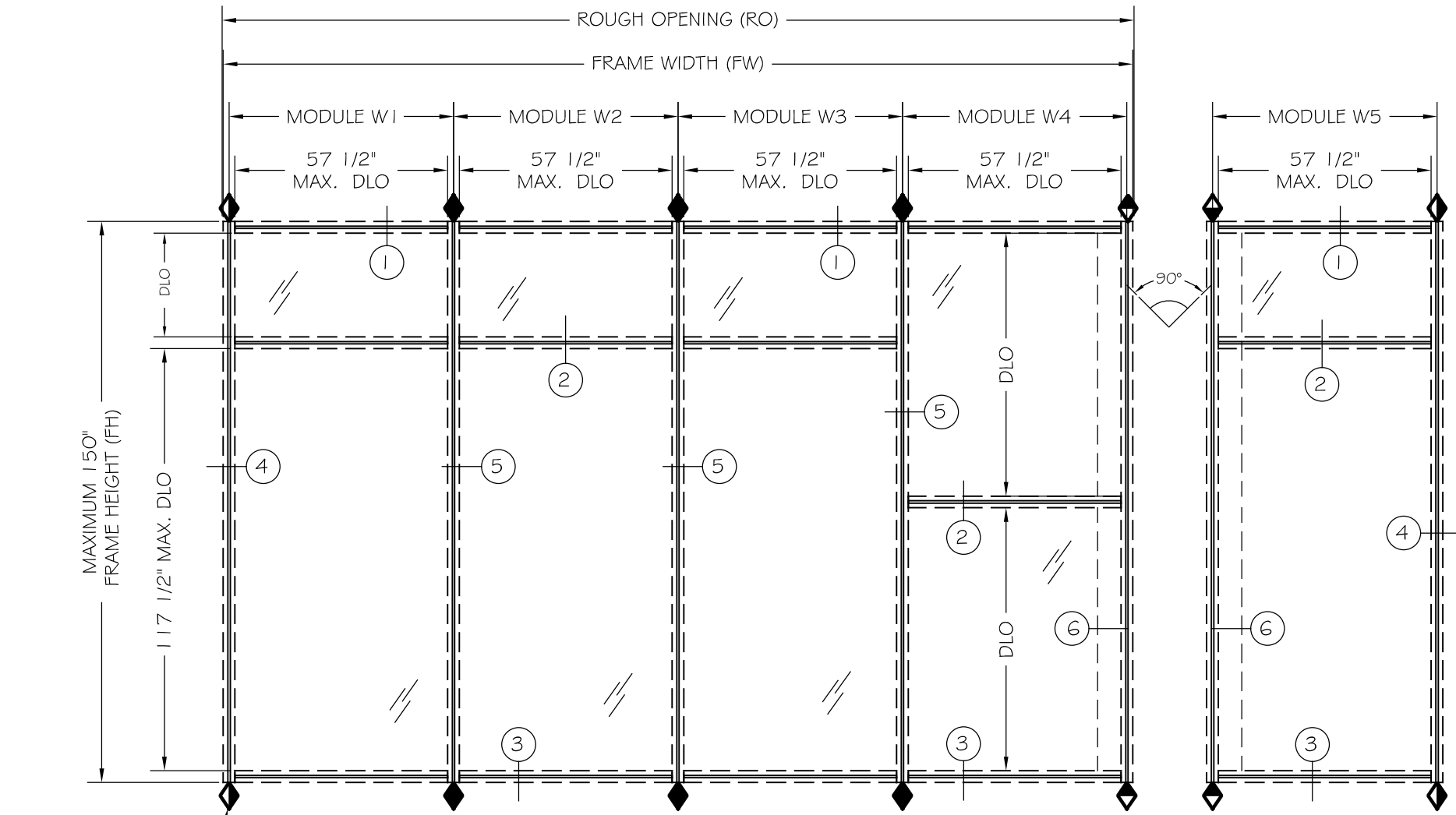
PRODUCT:
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SINGLE SPAN CURTAIN WALL
MULTIPLE VERTICAL MODULES ELEVATION
INTERMEDIATE VERTICAL MULL AND JAMB SELECTION

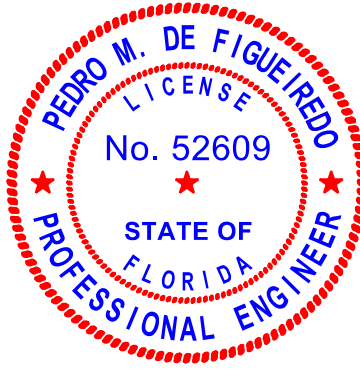


TYPICAL "F" AND "T" ANCHORS
SEE SHEET 15 & 16
FOR SELECTION

SECTION 5: $W = (W1 + W2) / 2, (W2 + W3) / 2$ OR $(W3 + W4) / 2$
SECTION 6: $W = (W4 + W5) / 2$
SECTION 4: $W = W1 / 2$ OR $W4 / 2$ OR $W5 / 2$

- "F" ANCHOR
- "T" ANCHOR
- "90° T" ANCHOR

OPTIONAL CLUSTER OF 2 ANCHORS PER SIDE
ANCHORAGE WITHOUT CLIPS AVAILABLE ONLY FOR:
PRESSURES +60 PSF AND -75 PSF AND
FRAMING MODULE LIMITED TO 60" X 120"



Pedro De Figueiredo
PE 52609
08/12/2026

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TABLE 2 - FRAMING SELECTION

FH (inches)	Module W (inches)	SINGLE SPAN	
		Pd+ (PSF)	Pd- (PSF)
96	36	90	135
	42	90	135
	48	90	135
	54	90	135
	60	90	135
	66	90	124
108	36	90	135
	42	90	135
	48	90	129
	54	90	114
	60	90	103
	66	90	94
120	36	90	125
	42	90	107
	48	90	94
	54	83	83
	60	75	75
	66	68	68
150	36	64	64
	42	55	55
	48	48	48
	54	43	43
	60	38	38

GLAZING NOTE: USE TABLES 1 & 1.1 ON SHEET 2 & 3
FOR GLAZING SELECTION AND DESIGN RATING.

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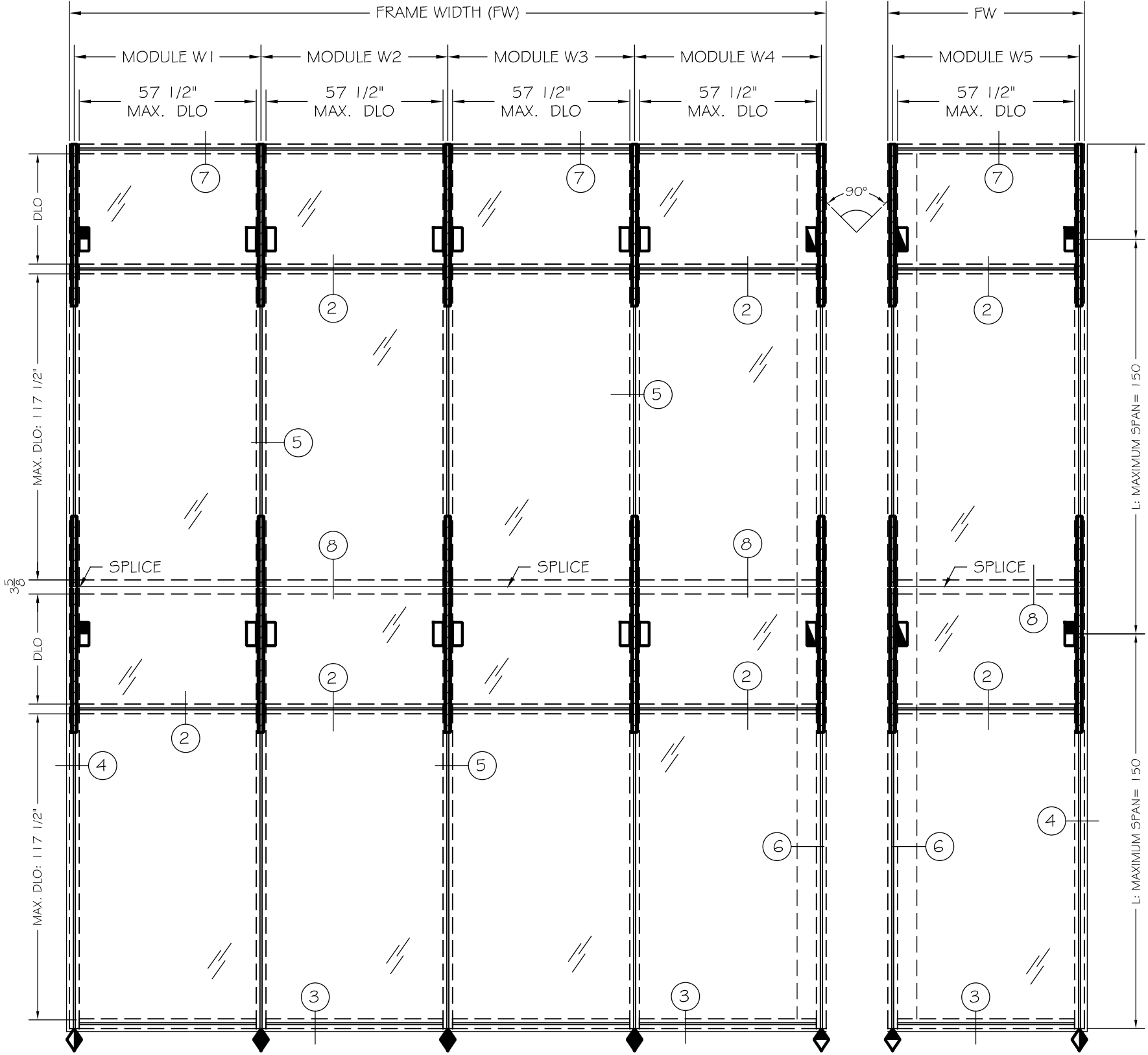
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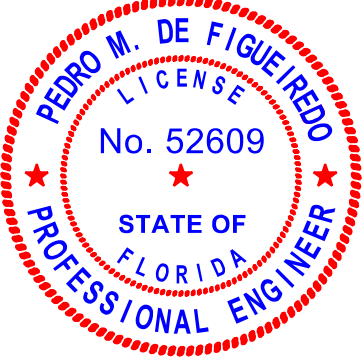
SHEET
4

MULTIPLE SPAN CURTAIN WALL
MULTIPLE VERTICAL MODULES ELEVATION
INTERMEDIATE VERTICAL MULL AND JAMB SELECTION



- "F" ANCHOR
- "T" ANCHOR
- "90° T" ANCHOR
- 90° WALL ANCHOR
- WALL ANCHOR
- JAMB ANCHOR

Pedro De Figueiredo
PE 52609
08/12/2026



VERTICAL FRAMING
4, 4.1, 4.2, 5, 5.1, 6

TABLE 2.1 - FRAMING SELECTION

L SPAN (inches)	Module W (inches)	TWO+ SPAN	
		Pd+ (PSF)	Pd- (PSF)
96	36	90	135
	42	90	135
	48	90	135
	54	90	135
	60	90	135
	66	90	135
108	36	90	135
	42	90	135
	48	90	135
	54	90	135
	60	90	135
	66	90	135
120	36	90	135
	42	90	135
	48	90	135
	54	90	135
	60	90	135
	66	90	129
150	36	90	135
	42	90	135
	48	90	135
	54	90	125
	60	90	113

GLAZING NOTE: USE TABLES 1 & 1.1 ON SHEET 2 & 3
FOR GLAZING SELECTION AND DESIGN RATING.

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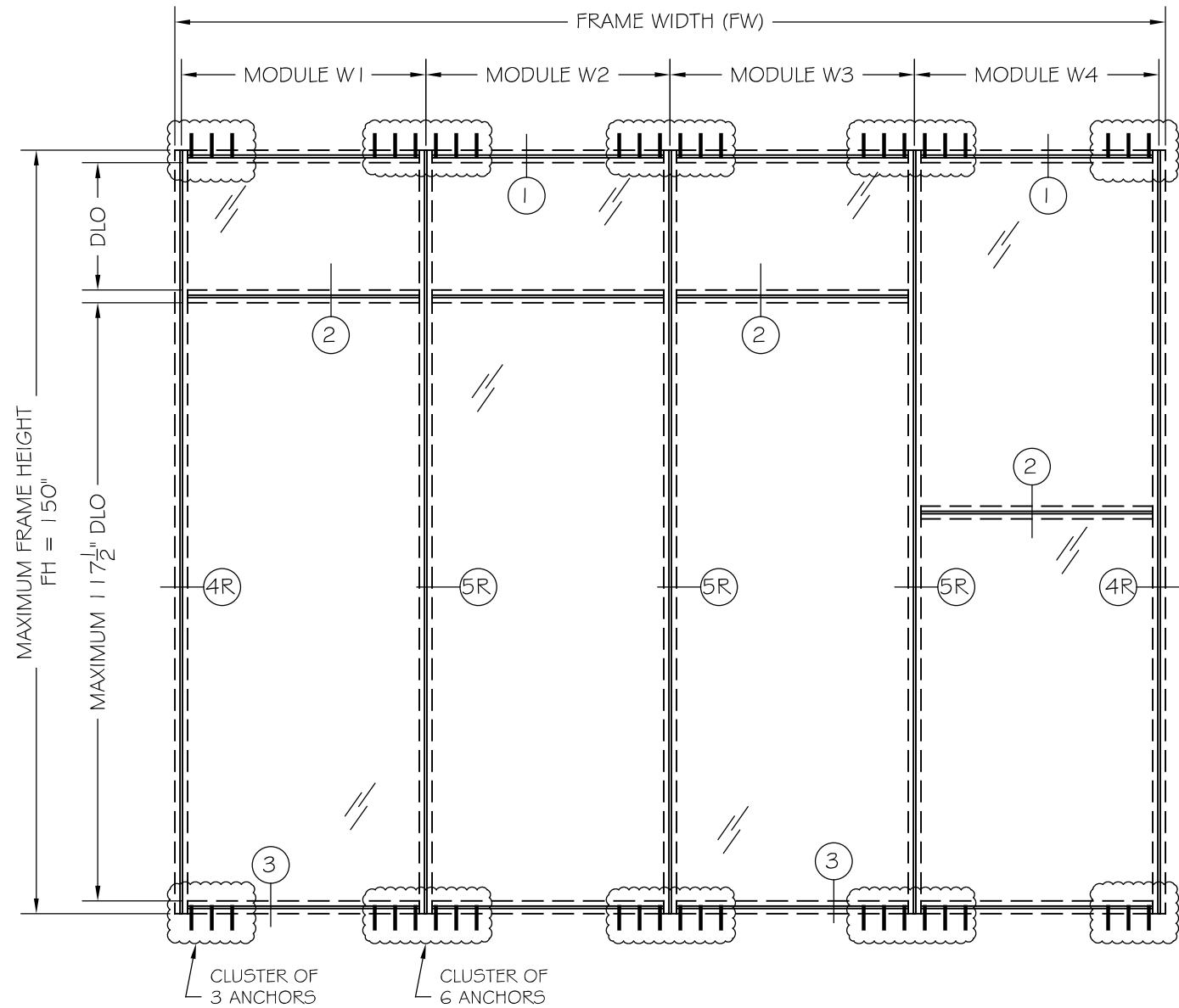
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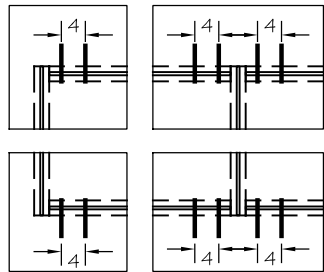
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SHEET
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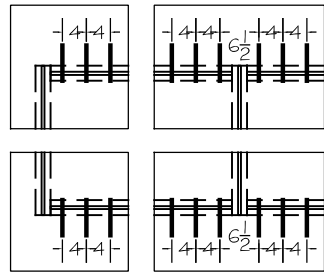
CURTAIN WALL WITH REINFORCEMENT



CLUSTER OF 2 ANCHORS PER SIDE
ANCHORAGE WITHOUT CLIPS AVAILABLE ONLY FOR:
PRESSURES +60 PSF AND -75 PSF AND
FRAMING MODULES LIMITED TO 60" X 120"



CLUSTER OF 3 ANCHORS PER SIDE
ANCHORAGE WITHOUT CLIPS AVAILABLE ONLY FOR:
PRESSURES +90 PSF AND -105 PSF AND
FRAMING MODULES AS PER TABLE 2.2



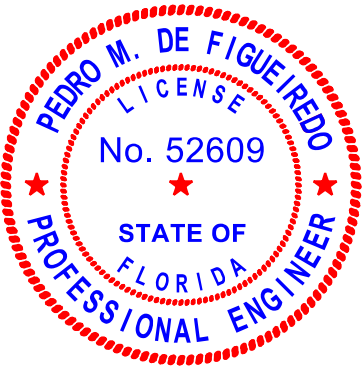
GLAZING NOTE: USE TABLES 1 & 1.1 ON SHEET 2 & 3
FOR GLAZING SELECTION AND DESIGN RATING.

SECTION 5R: $W = (W1 + W2) / 2, (W2 + W3) / 2$ OR $(W3 + W4) / 2$
SECTION 4R: $W = W1 / 2$ OR $W4 / 2$

TABLE 2.2 - FRAMING SELECTION

L SPAN (inches)	Module W (inches)	SINGLE SPAN	
		Pd+ (PSF)	Pd- (PSF)
96	36	90	105
	42	90	105
	48	90	105
	54	90	105
	60	90	105
	66	90	105
108	36	90	105
	42	90	105
	48	90	105
	54	90	105
	60	90	105
	66	90	105
120	36	90	105
	42	90	105
	48	90	105
	54	90	105
	60	90	105
	66	90	95
150	36	90	105
	42	90	105
	48	90	105
	54	90	93
	60	84	84

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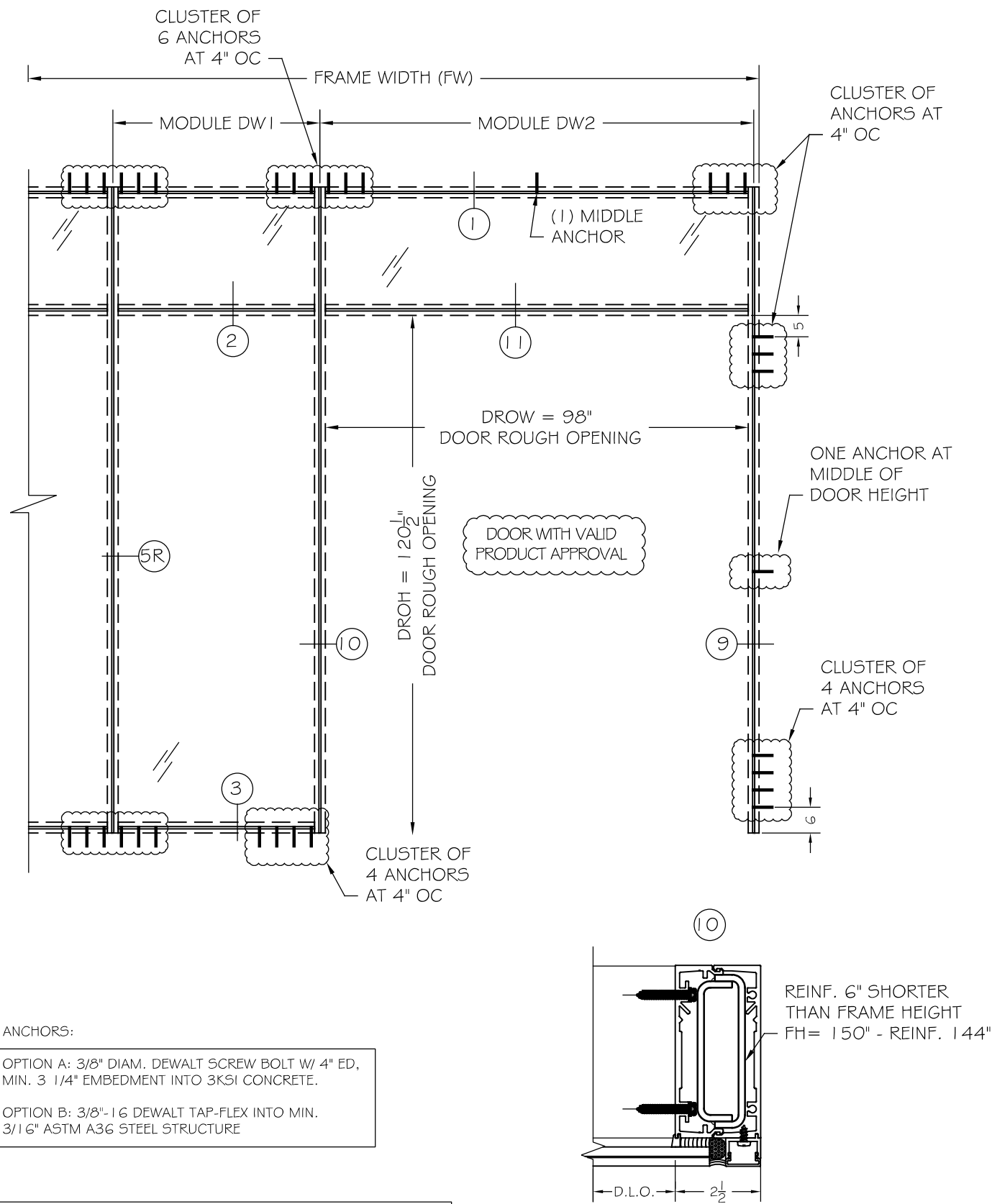
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SHEET
6

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CURTAIN WALL WITH DOOR OPENING



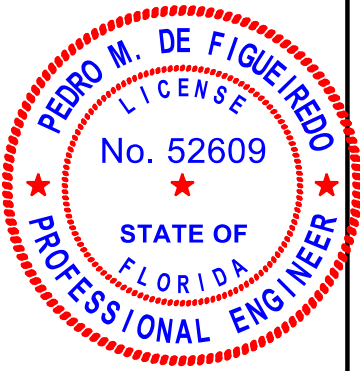
ANCHORS:

- OPTION A: 3/8" DIAM. DEWALT SCREW BOLT W/ 4" ED, MIN. 3 1/4" EMBEDMENT INTO 3KSI CONCRETE.
- OPTION B: 3/8"-16 DEWALT TAP-FLEX INTO MIN. 3/16" ASTM A36 STEEL STRUCTURE

DW = (DW1 + DW2) / 2 LESS OR EQUAL 74"
MAXIMUM DESIGNED PRESSURES: +90, -105 PSF
MAXIMUM DOOR ROUGH OPENING: 98 X 120 1/2"

GLAZING NOTE: USE TABLES 1 & 1.1 ON SHEET 2 & 3 FOR GLAZING SELECTION AND DESIGN RATING.

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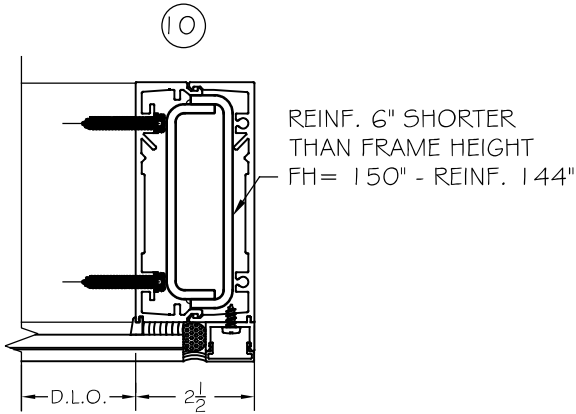
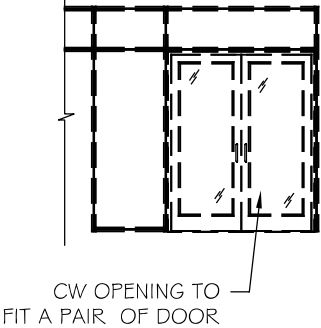
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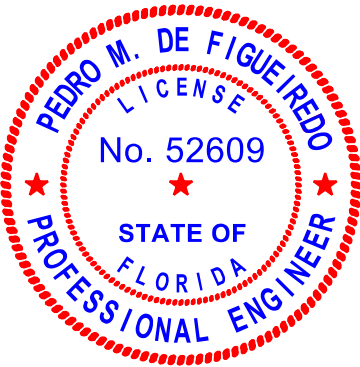
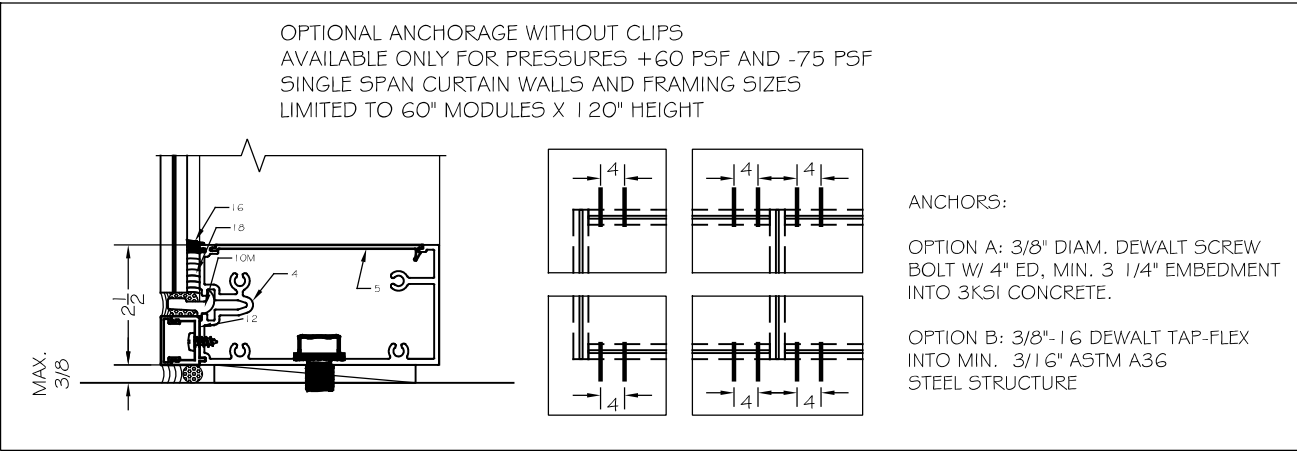
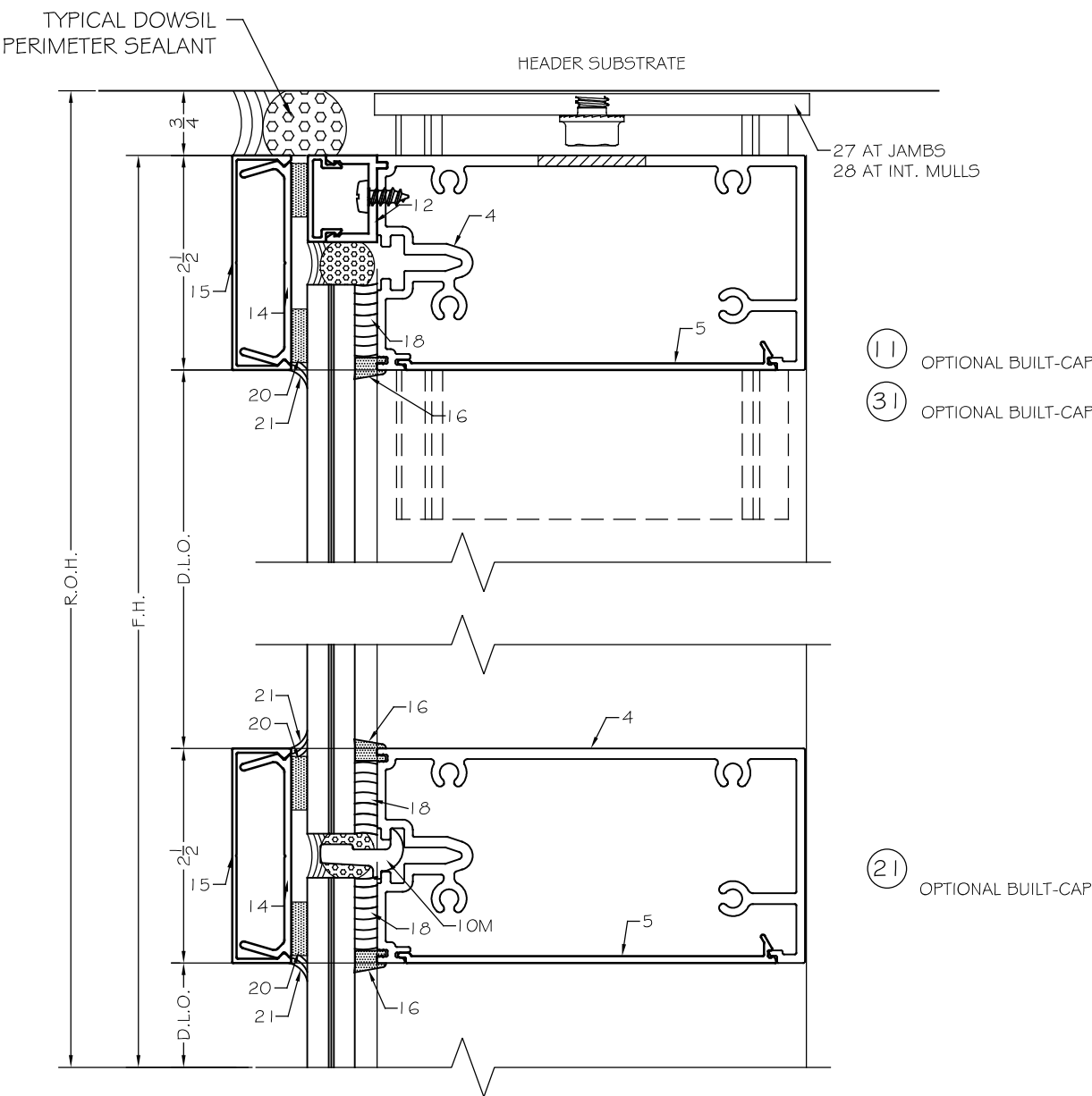
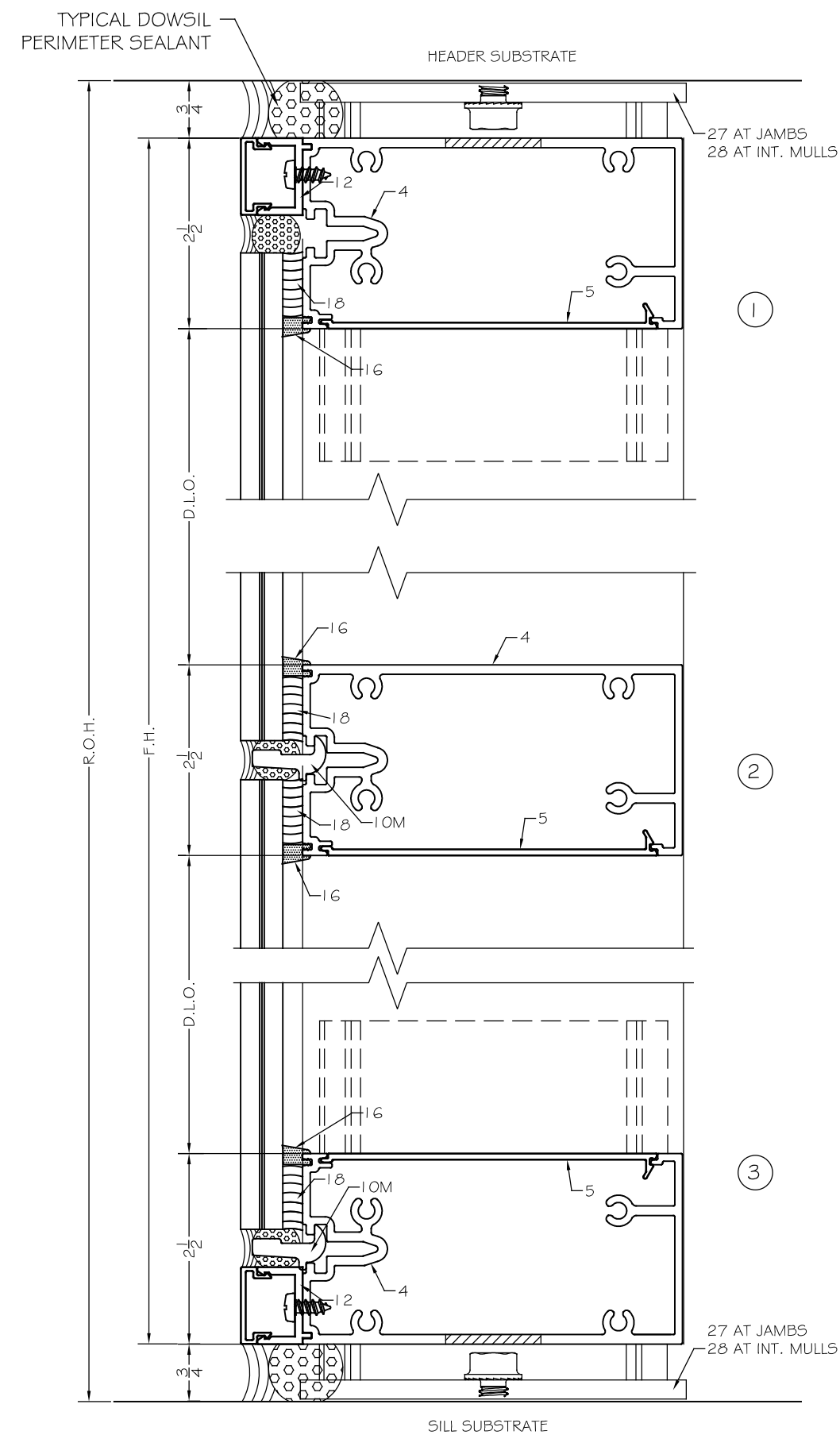
SHEET
7

TABLE 3 - DOOR JAMB FRAMING DESIGN

FH (inches)	Module DW1 (inches)	Module DW2 (inches)	DROW (inches)	DROH (inches)	Door Jamb Section 8	
					Pd+ (PSF)	Pd- (PSF)
150	48	100.5	98	120	90	105
			98	108	90	96
			98	96	90	90
			98	84	86	86
	48	90.5	88	120	90	105
			88	108	90	102
			88	96	90	95
			88	84	90	91
	48	78.5	76	120	90	105
			76	108	90	105
			76	96	90	104
			76	84	90	100
144	48	100.5	98	108	90	105
			98	96	90	98
			98	84	90	93
	48	90.5	88	108	90	105
			88	96	90	105
			88	84	90	103
	48	78.5	76	108	90	105
			76	96	90	105
			76	84	90	105
120	48	100.5	98	108	90	105
			98	96	90	105
			98	84	90	105
	48	90.5	88	108	90	105
			88	96	90	105
			88	84	90	105
	48	78.5	76	108	90	105
			76	96	90	105
			76	84	90	105



TYPICAL LAMINATED SECTIONS



Pedro De Figueiredo
PE 52609
08/12/2026

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PRODUCT:
SERIES 6000
ALUMINUM CURTAIN WALL

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MEDLEY, FLORIDA 33166
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ALUMINUM PRODUCTS, LLC

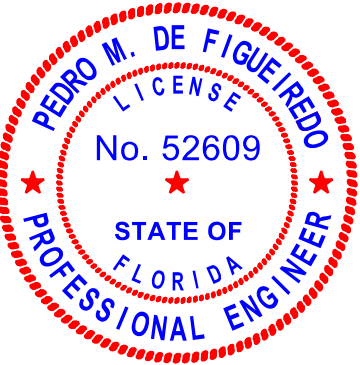
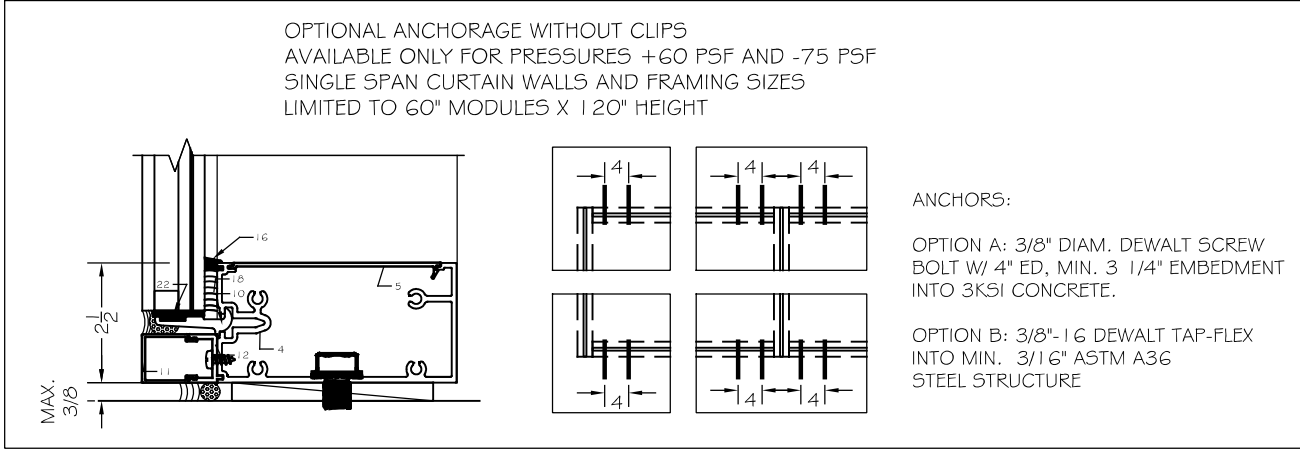
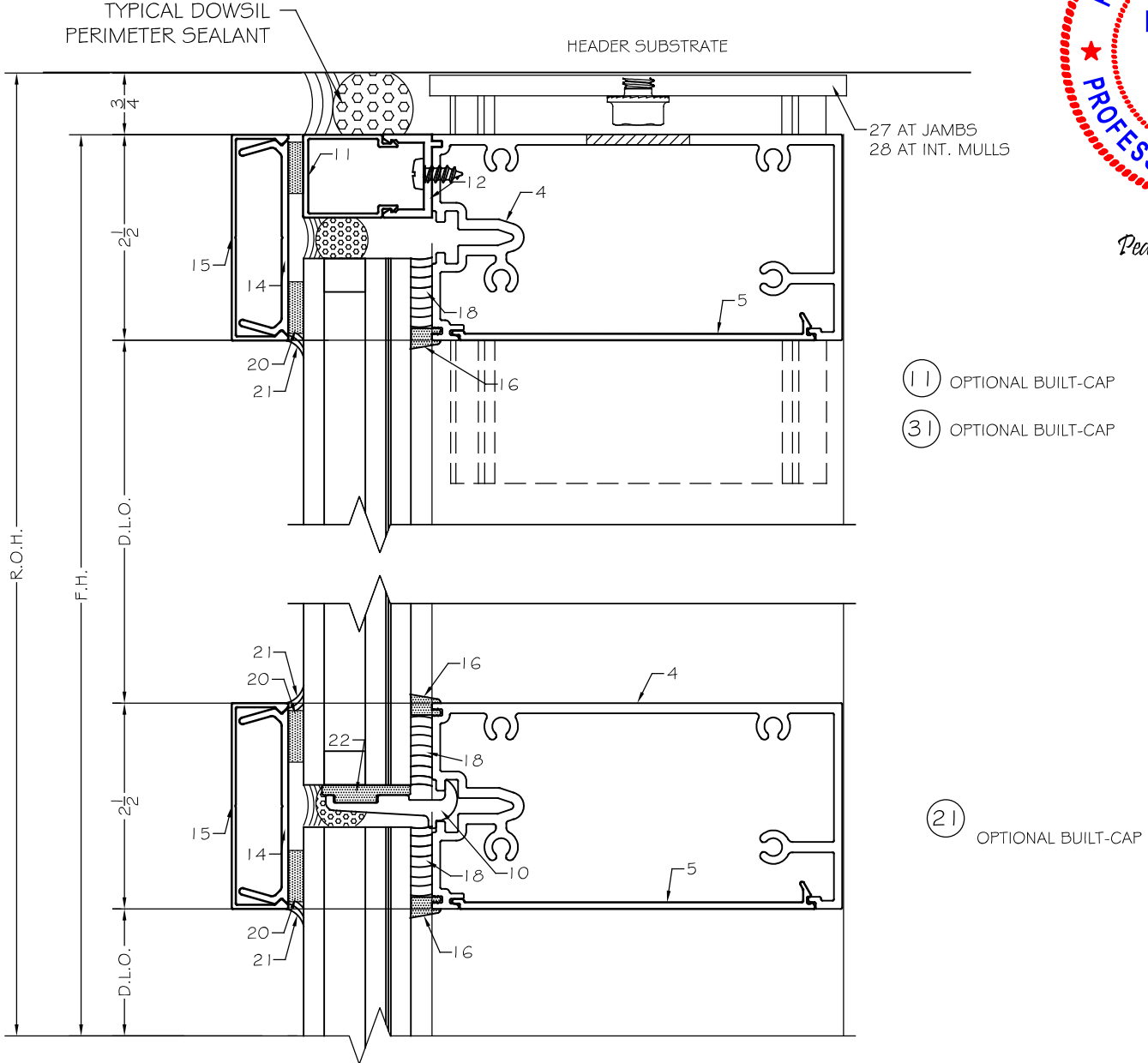
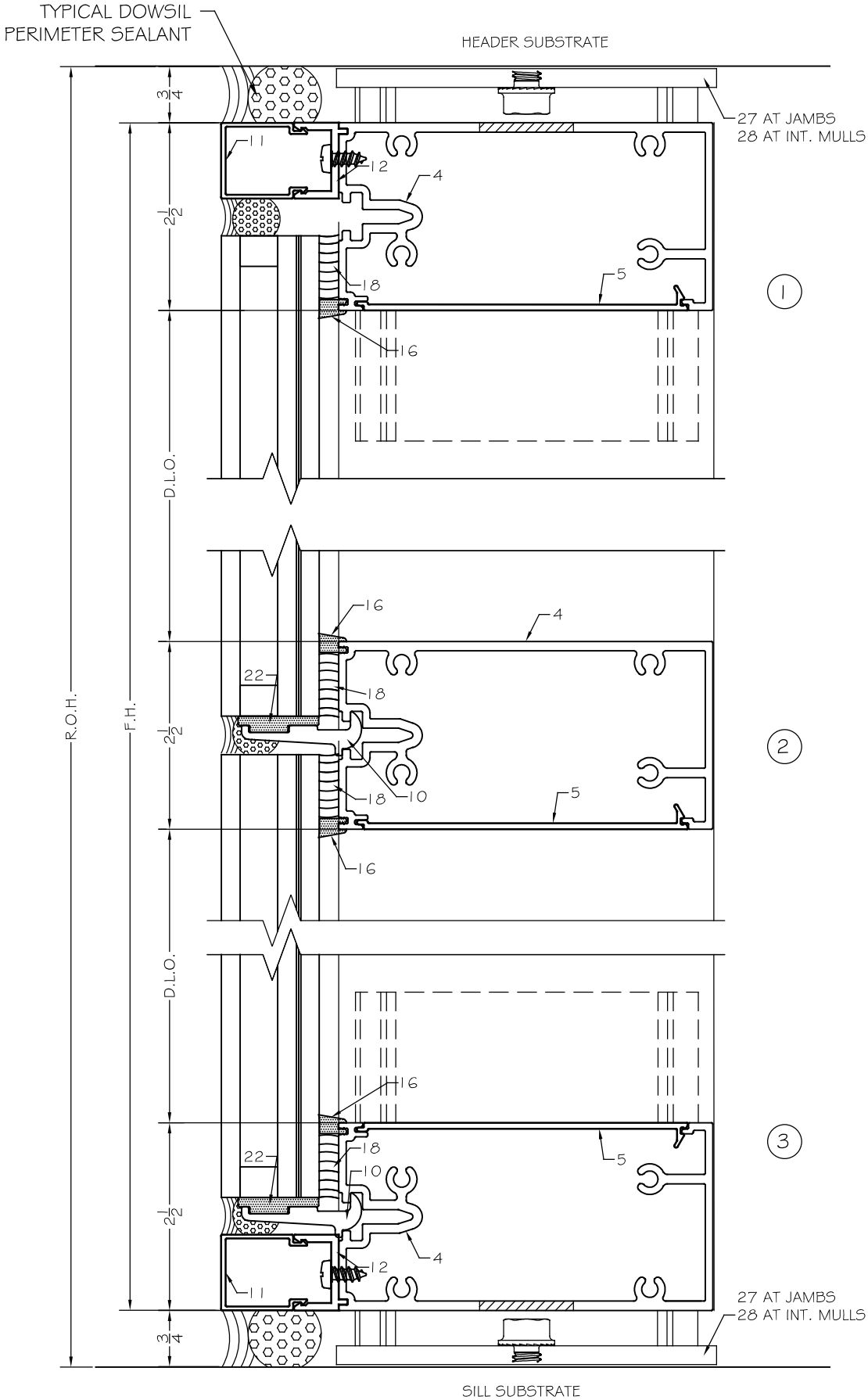
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1:1/2

DATE:
08/12/2026

DRAWING #
26-097.1

SHEET
8

TYPICAL INSULATED GLAZING SECTIONS



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08/12/2026

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SCALE:
1:1/2

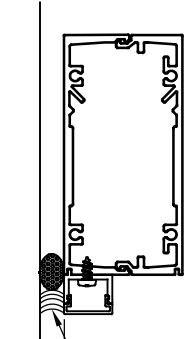
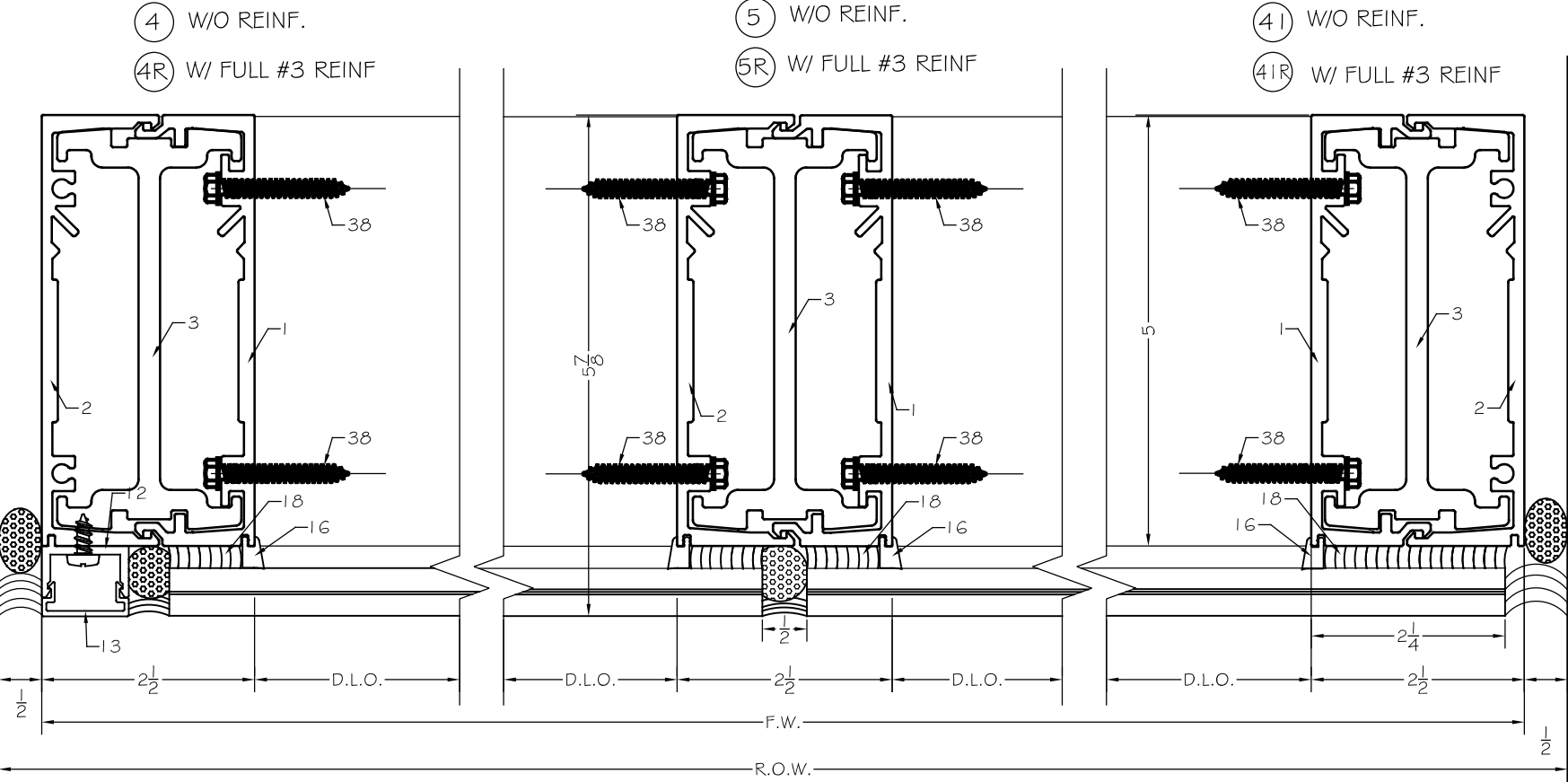
DATE:
08/12/2026

DRAWING #
26-097.1

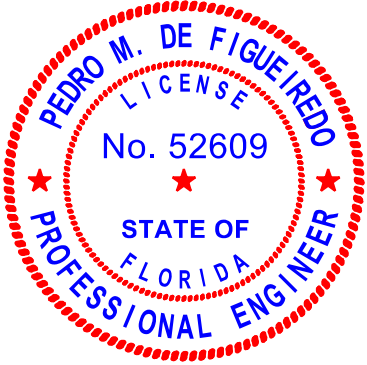
SHEET
9

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9715 W. BROWARD BLVD.
PLANTATION, FL 33324
PPMF@AOL.COM
ENGINEER SEAL
PEDRO DE FIGUEIREDO
PE 52609

TYPICAL LAMINATED SECTIONS



G: MIN. SEALANT JOINT BASED ON ASTM C1472
SEALANT W/ 50% EXTENSION
SINGLE SPAN:
3/4" FOR 150", 1/2" FOR 120", 3/8" FOR 96"
MULTIPLE SPAN:
3/8" FOR 150", 1/4" FOR 120" OR LESS



Pedro De Figueiredo
PE 52609
08/12/2026

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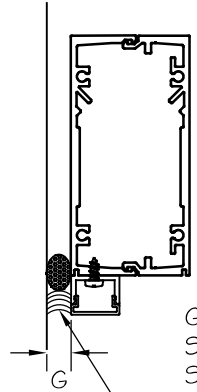
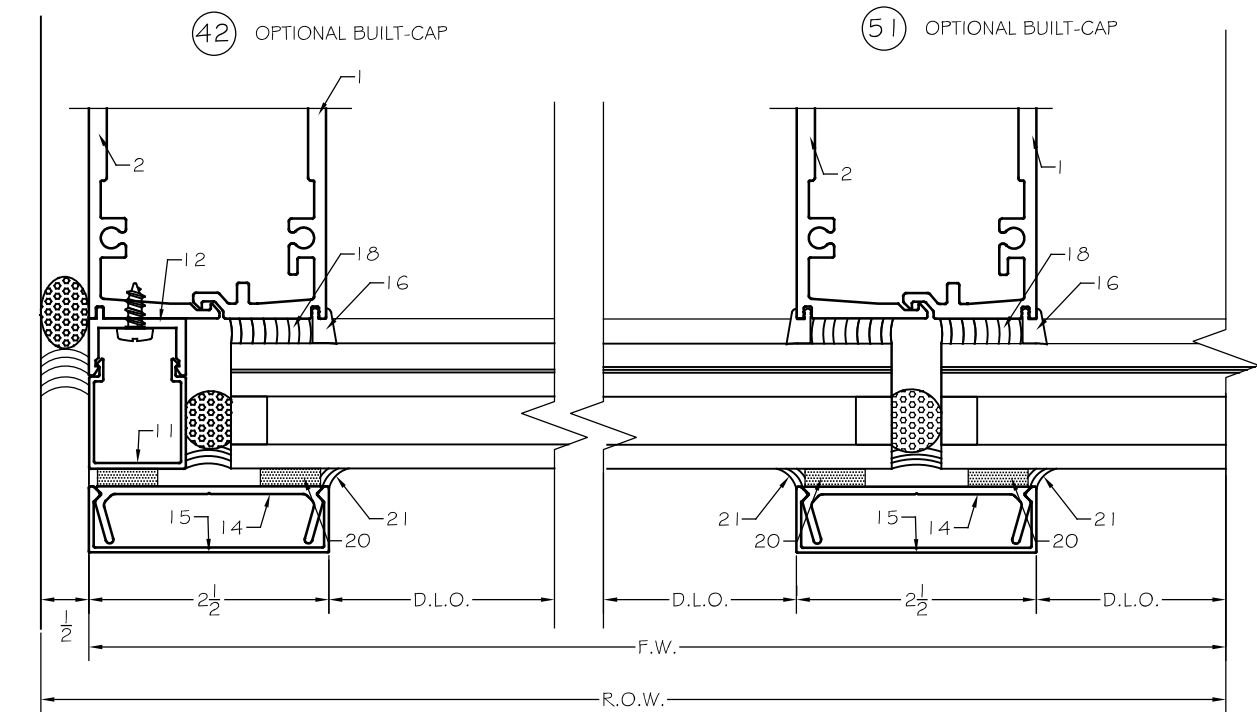
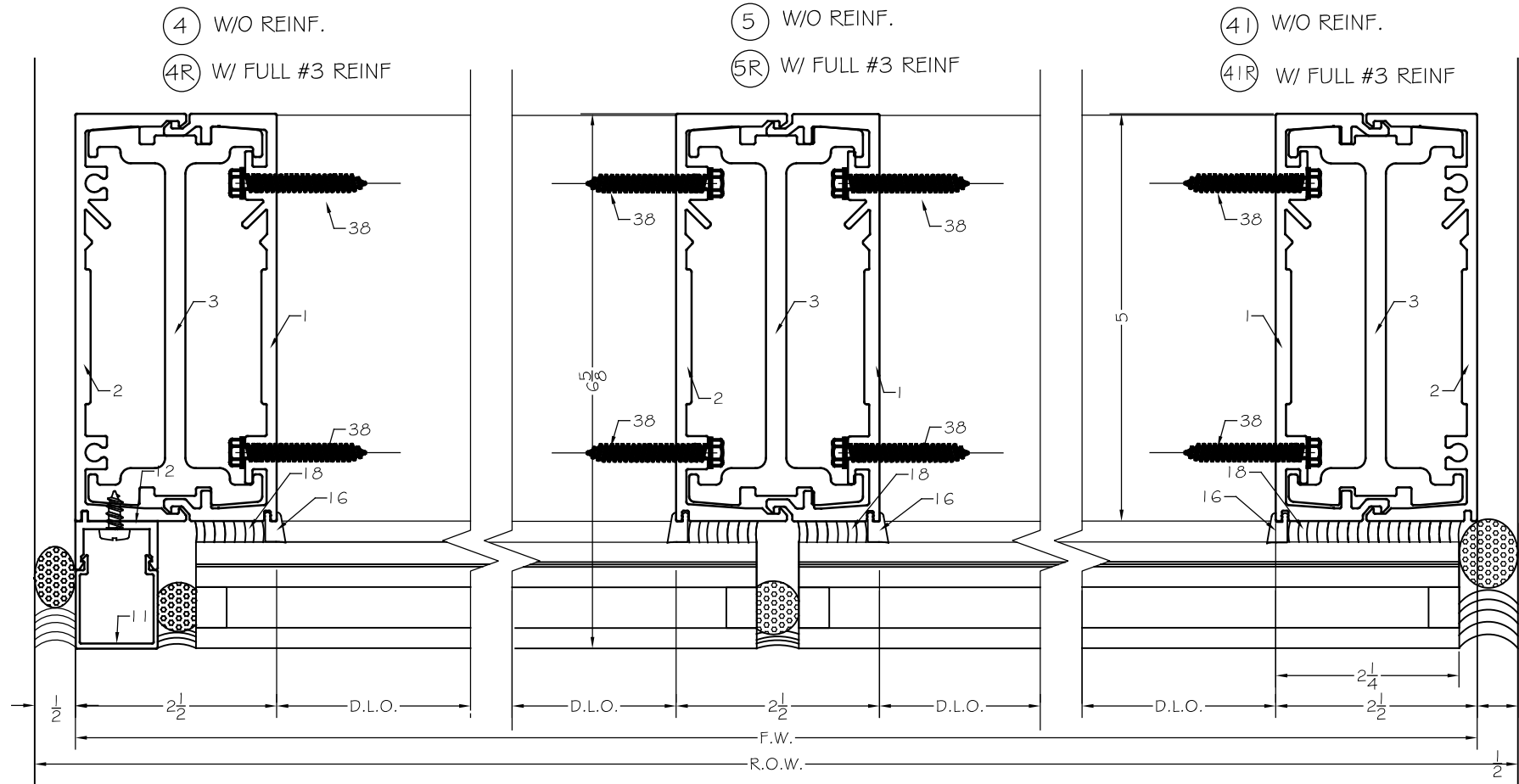


PRODUCT:
SERIES 6000
ALUMINUM CURTAIN WALL

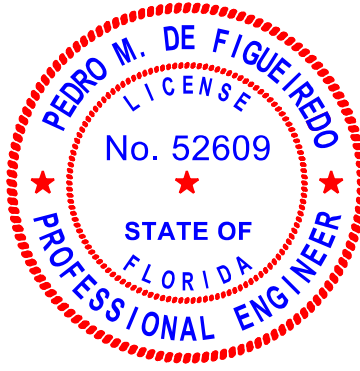
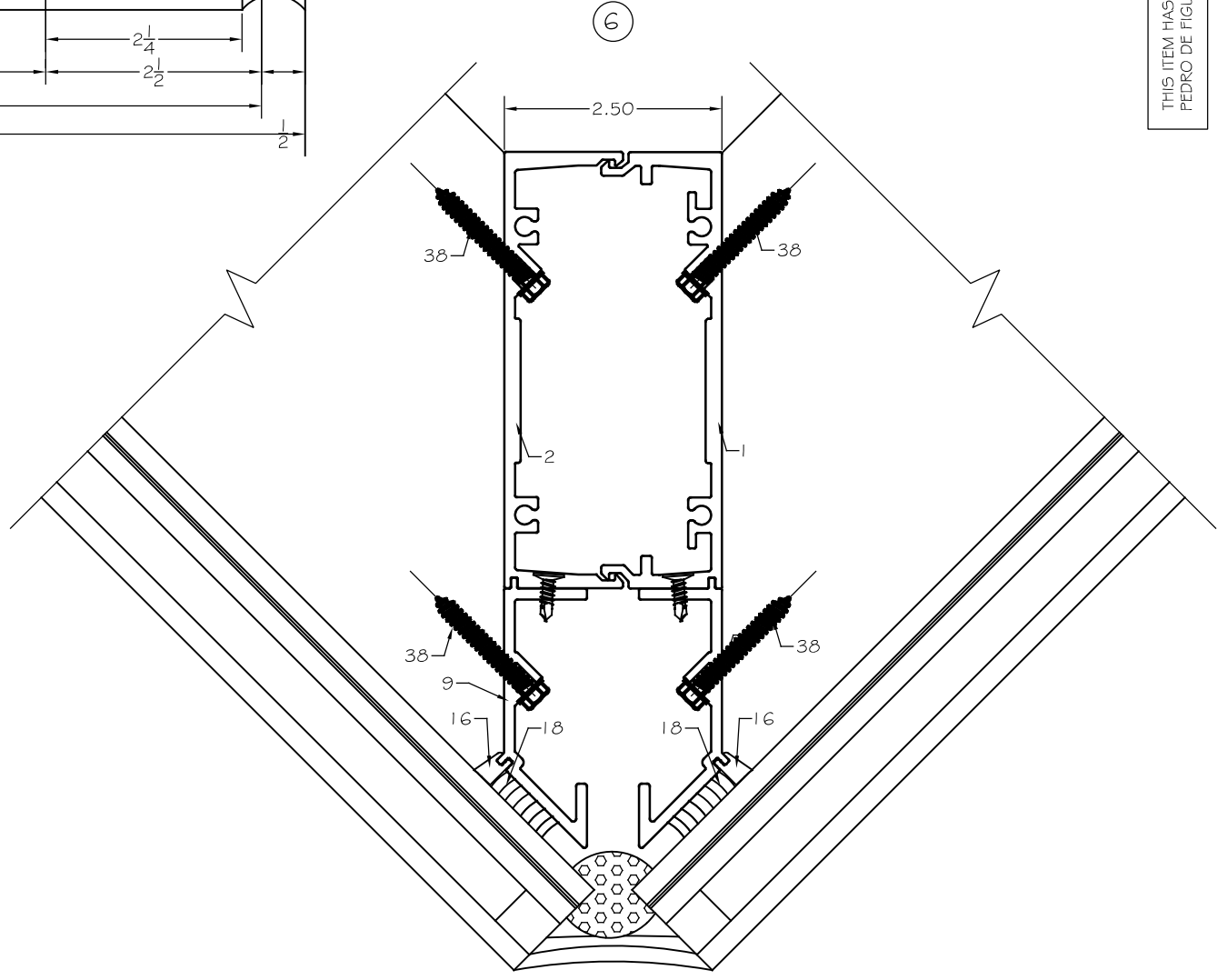
PHOENIX
ALUMINUM PRODUCTS, LLC
7781 NW 73rd COURT
MEDLEY, FLORIDA 33166
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SCALE:
1:1/2
DATE:
08/12/2026
DRAWING #
26-097.1
SHEET
10

TYPICAL INSULATED GLAZING SECTIONS



G: MIN. SEALANT JOINT BASED ON ASTM C1472
SEALANT W/ 50% EXTENSION
SINGLE SPAN:
3/4" FOR 150", 1/2" FOR 120", 3/8" FOR 96"
MULTY SPAN:
3/8" FOR 150", 1/4" FOR 120" OR LESS



Pedro De Figueiredo
PE 52609
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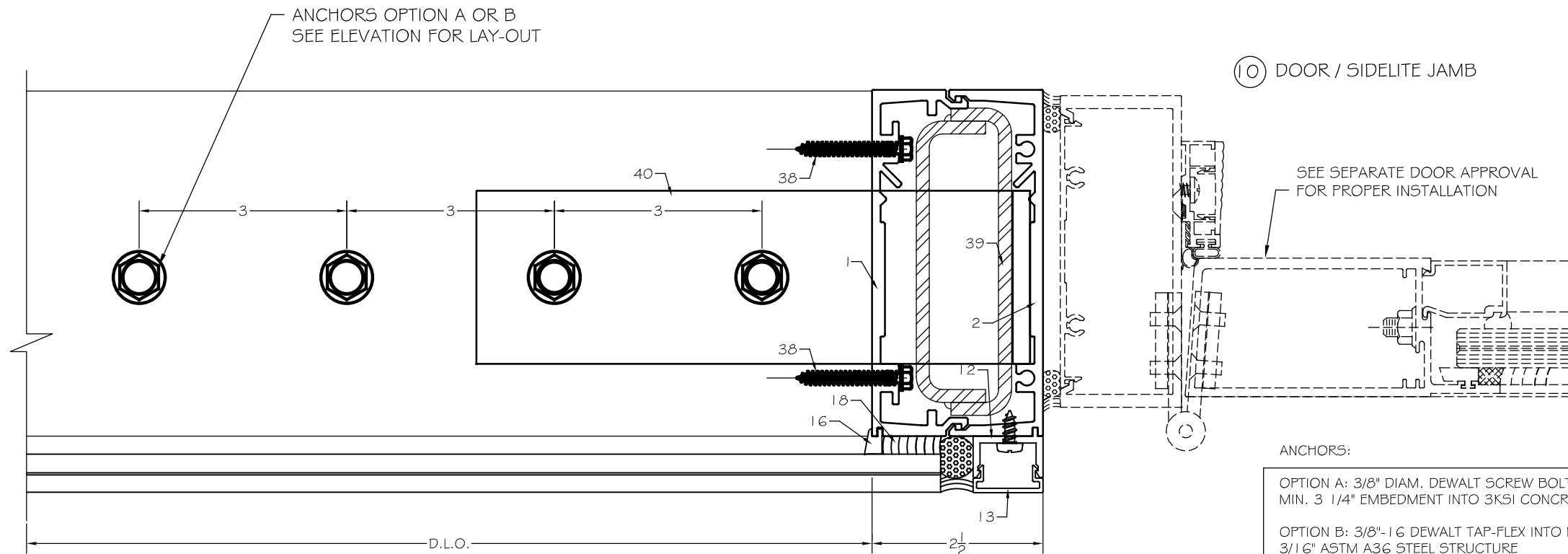
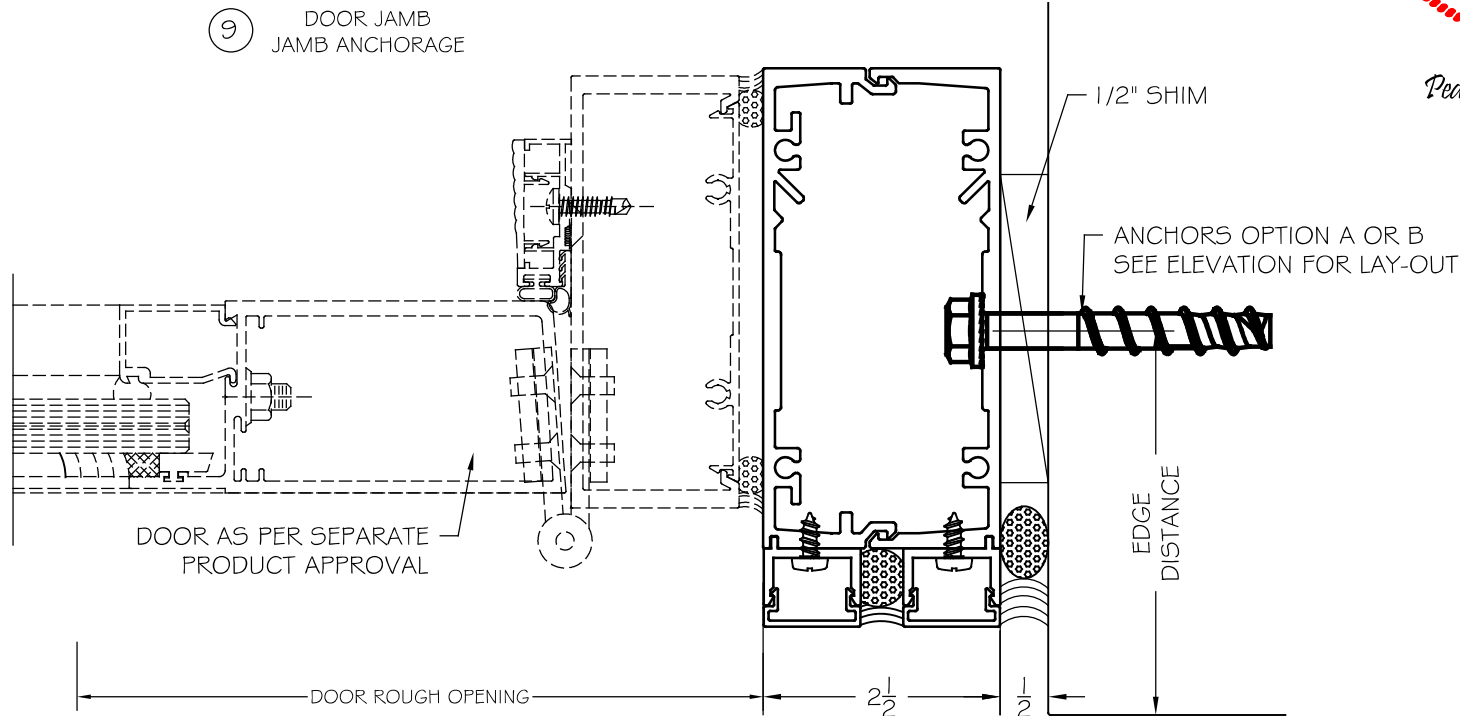
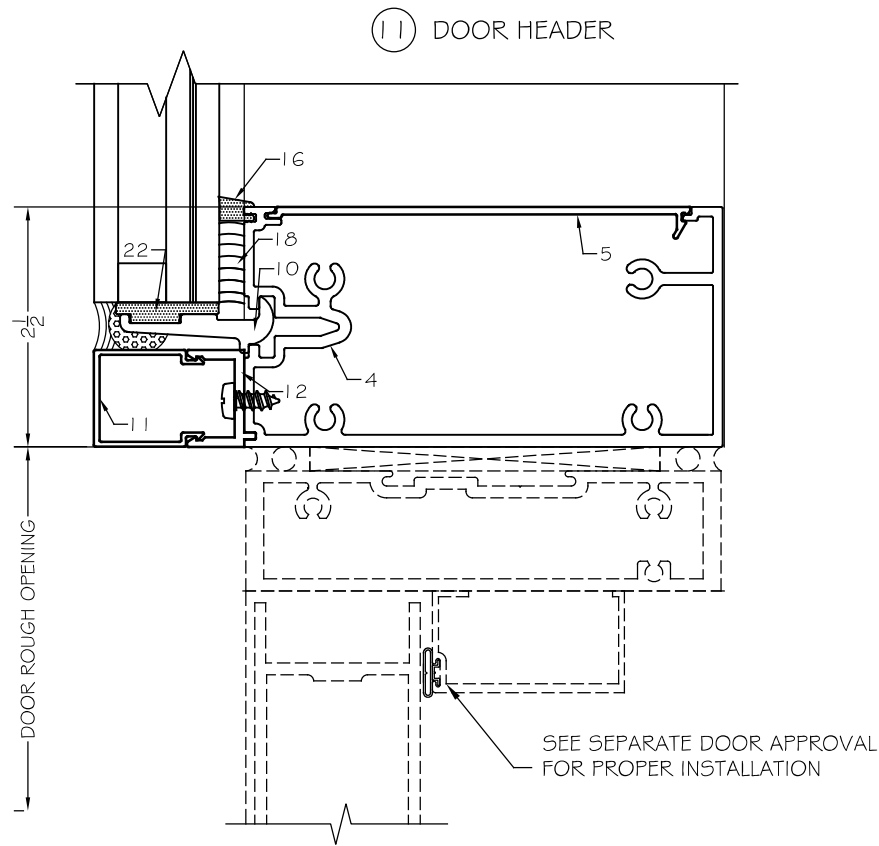
PRODUCT:
SERIES 6000
ALUMINUM CURTAIN WALL

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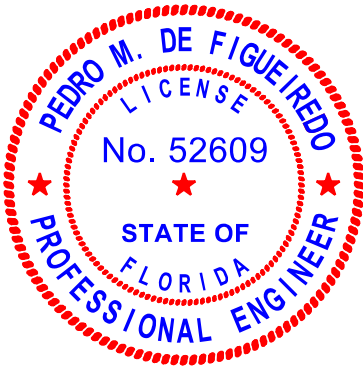
SCALE:
1:1/2
DATE:
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DRAWING #
26-097.1
SHEET
11

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PLANTATION, FL 33324
PPMF@AOL.COM
ENGINEER SEAL
PEDRO DE FIGUEIREDO
PE 52609

TYPICAL DOOR SECTIONS



ANCHORS:
OPTION A: 3/8" DIAM. DEWALT SCREW BOLT W/ 4" ED,
MIN. 3 1/4" EMBEDMENT INTO 3KSI CONCRETE.
OPTION B: 3/8"-16 DEWALT TAP-FLEX INTO MIN.
3/16" ASTM A36 STEEL STRUCTURE



Pedro De Figueiredo
PE 52609
08/12/2026

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ALUMINUM CURTAIN WALL

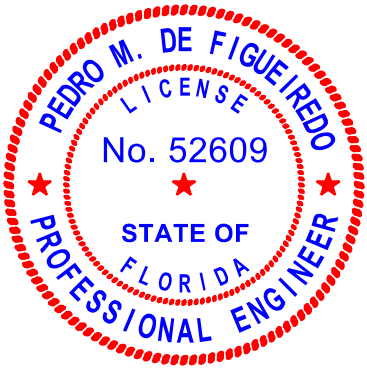
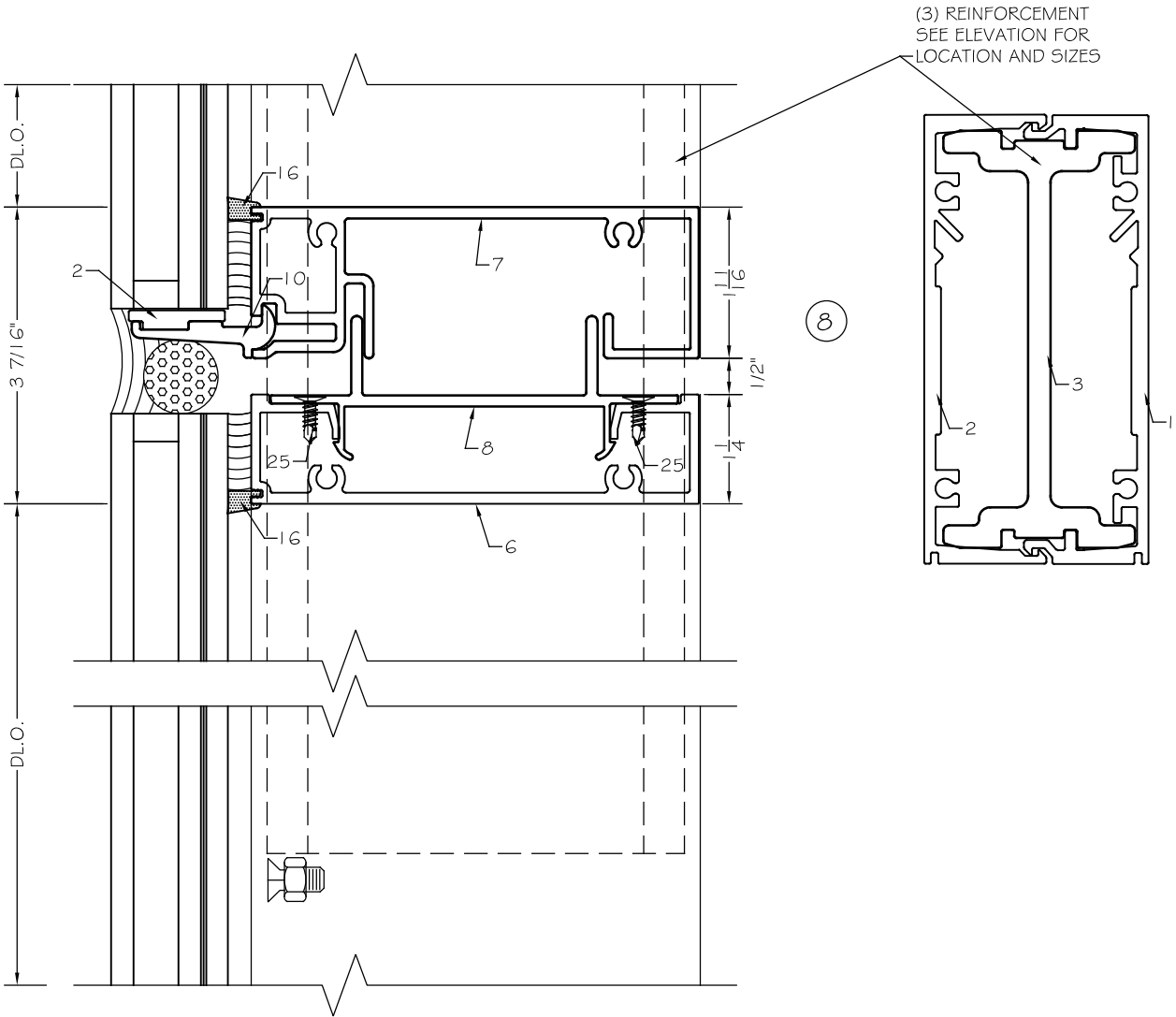
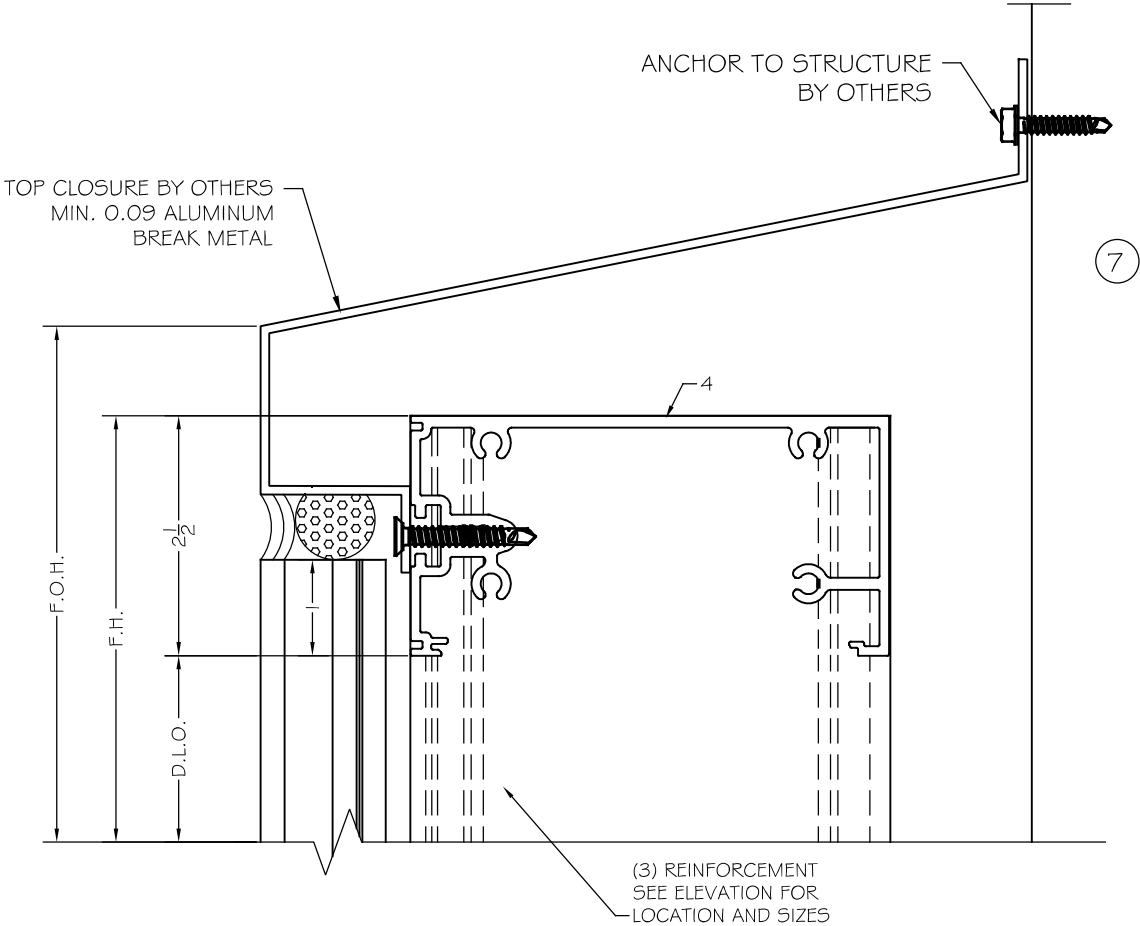
PHOENIX
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MEDLEY, FLORIDA 33166
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SCALE:
1:1/2
DATE:
08/12/2026
DRAWING #
26-097.1
SHEET
12

ENGINEERING SERVICES - CA 32459
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ENGINEER SEAL
PEDRO DE FIGUEIREDO
PE 52609



TYPICAL CANTILEVER TOP CLOSURE AND
VERTICAL MULLION SPLICE SECTIONS



Pedro De Figueiredo
PE 52609
08/12/2026

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PRODUCT:
SERIES 6000
ALUMINUM CURTAIN WALL

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SCALE:
1:1/2

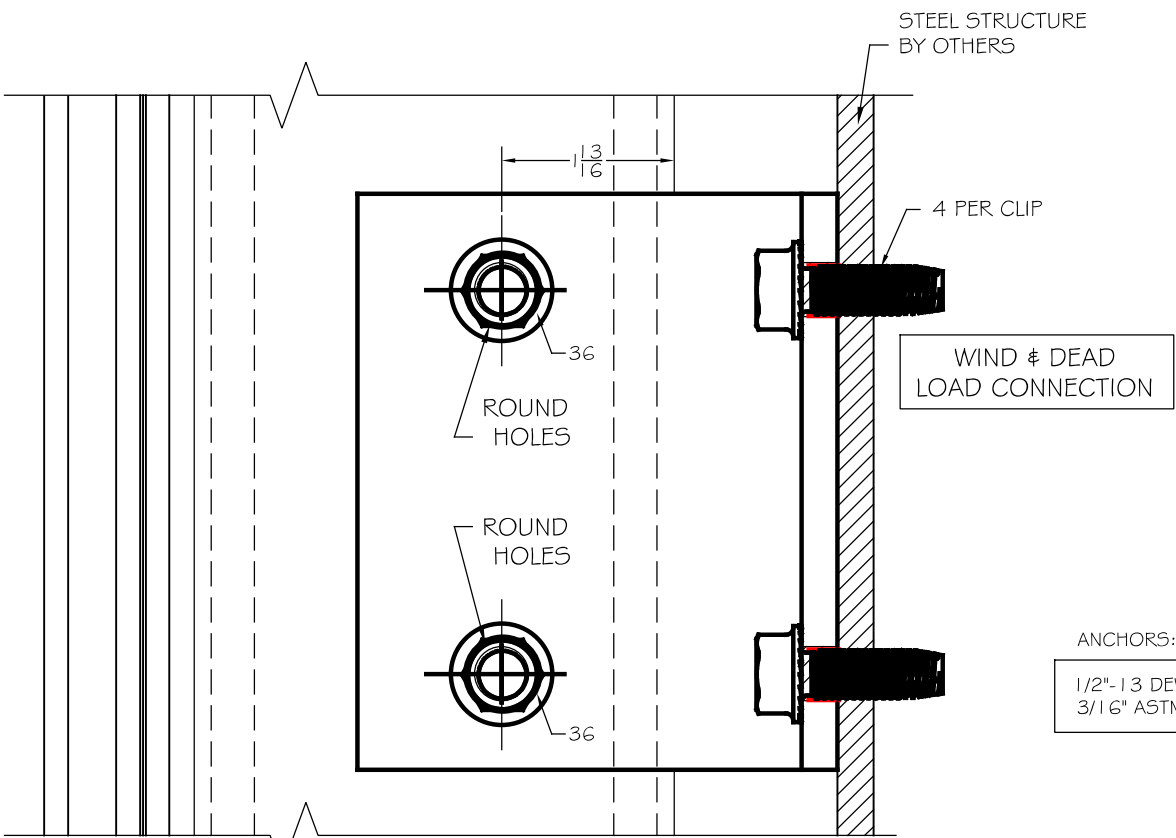
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08/12/2026

DRAWING #
26-097.1

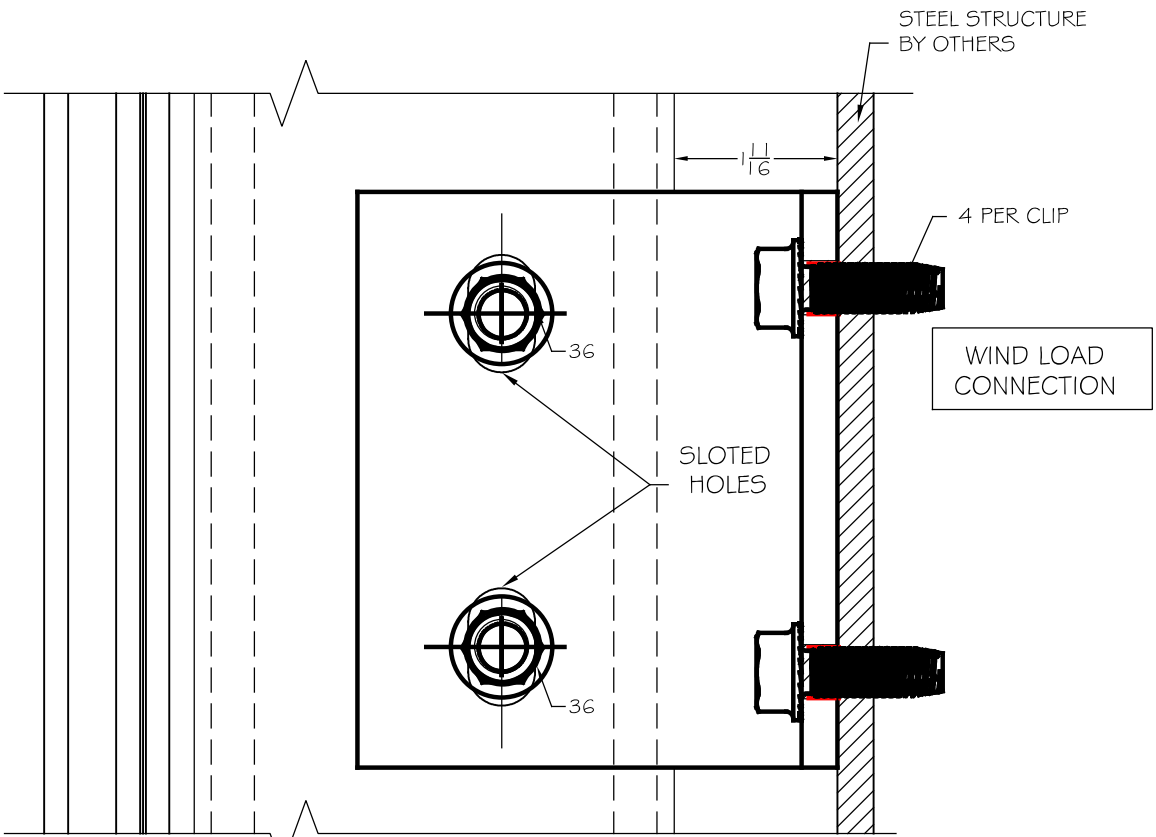
SHEET
13

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ENGINEER SEAL
PEDRO DE FIGUEIREDO
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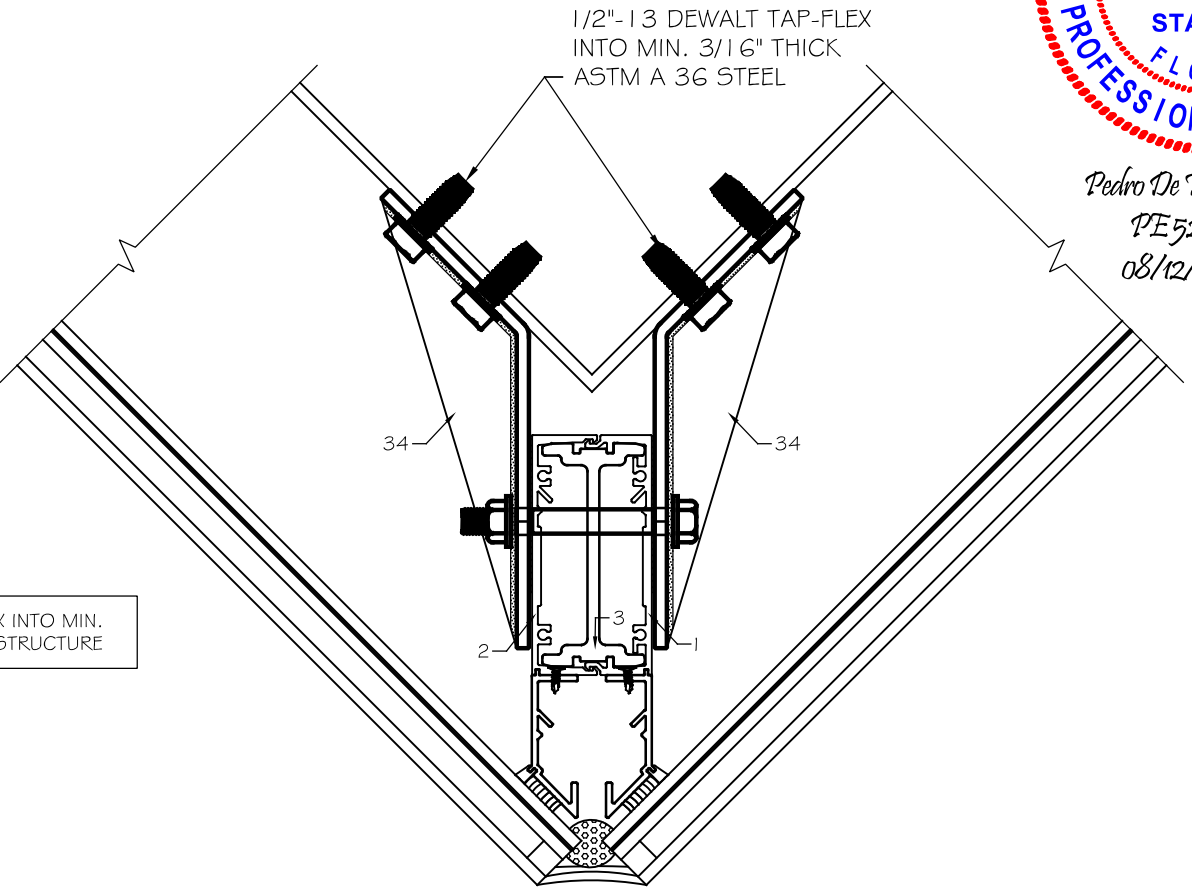
WALL CONNECTION



ANCHORS:
1/2"-1 3/8" DEWALT TAP-FLEX INTO MIN.
3/16" ASTM A36 STEEL STRUCTURE

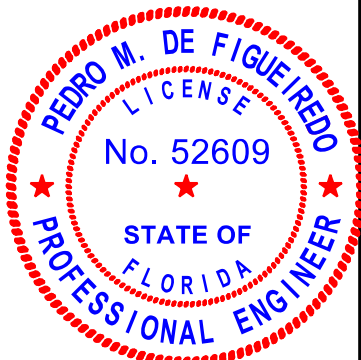
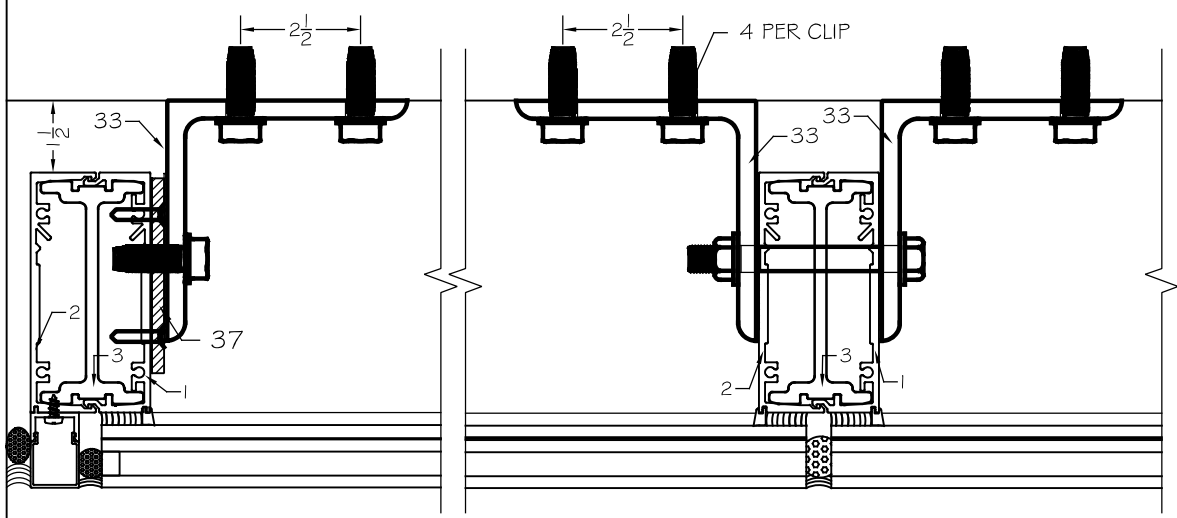


90° WALL ANCHOR



WALL JAMB ANCHOR

WALL MULLION ANCHOR



Pedro De Figueiredo
PE 52609
08/12/2026

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PRODUCT:
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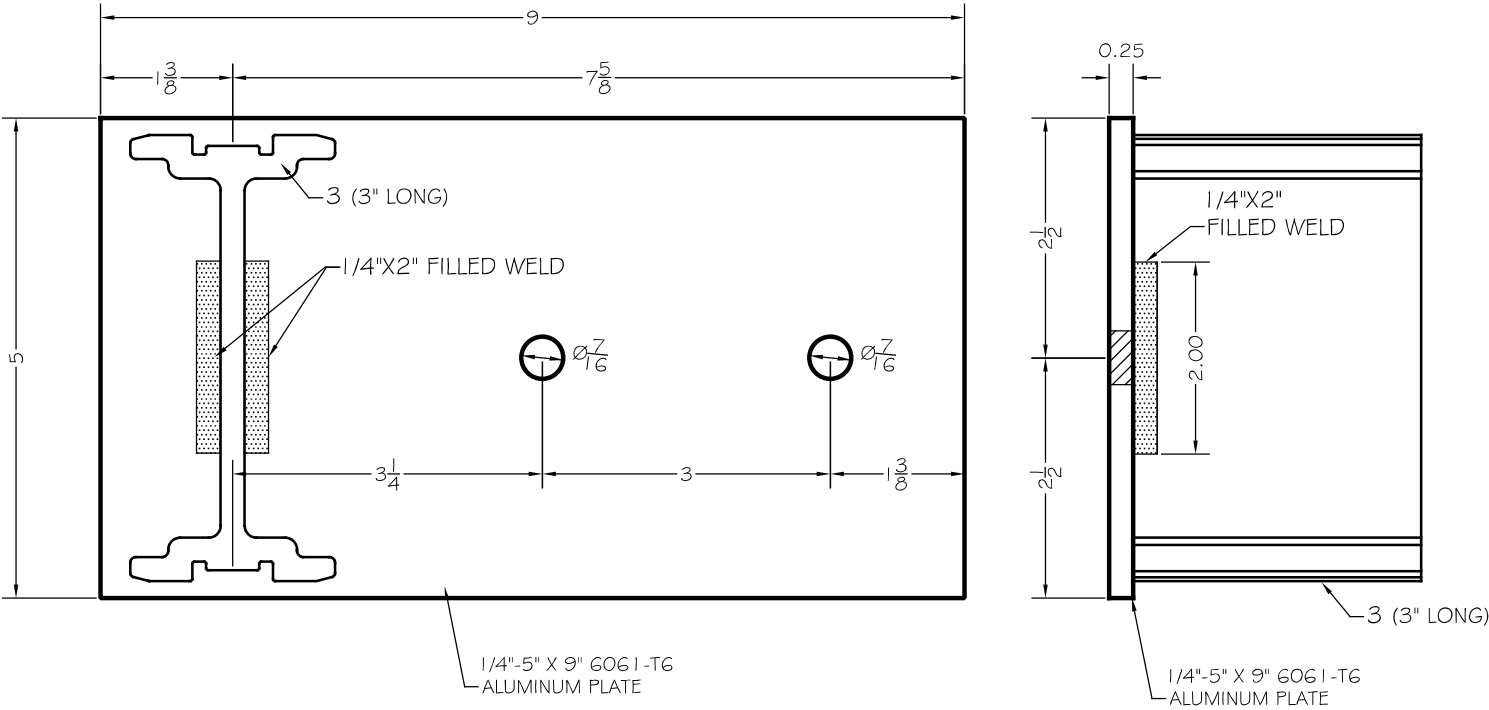
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DATE:
08/12/2026
DRAWING #
26-097.1
SHEET
14



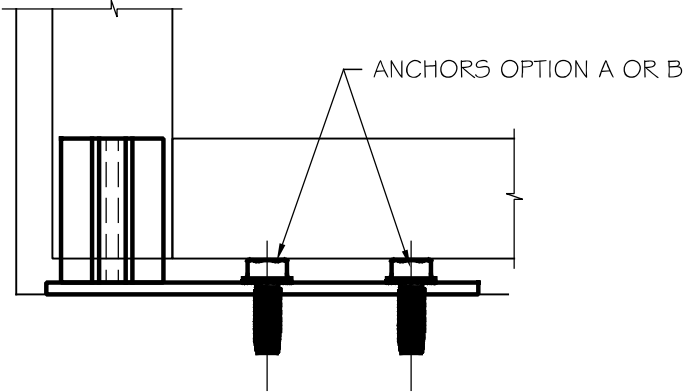
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9715 W. BROWARD BLVD.
PLANTATION, FL 33324
PPMF@AOL.COM
ENGINEER SEAL
PEDRO DE FIGUEIREDO
PE 52609

FLOOR / CEILING CONNECTION

#28 - "F" ANCHOR BRACKET

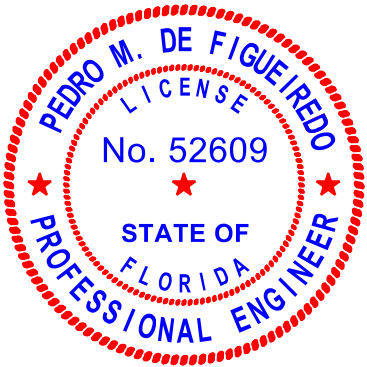


"F" ANCHOR



ANCHORS:

- OPTION A: 3/8" DIAM. DEWALT SCREW BOLT W/ 4" ED, MIN. 3 1/4" EMBEDMENT INTO 3KSI CONCRETE.
- OPTION B: 3/8"-16 DEWALT TAP-FLEX INTO MIN. 3/16" ASTM A36 STEEL STRUCTURE



Pedro De Figueiredo
PE 52609
08/12/2026

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PRODUCT:
SERIES 6000
ALUMINUM CURTAIN WALL

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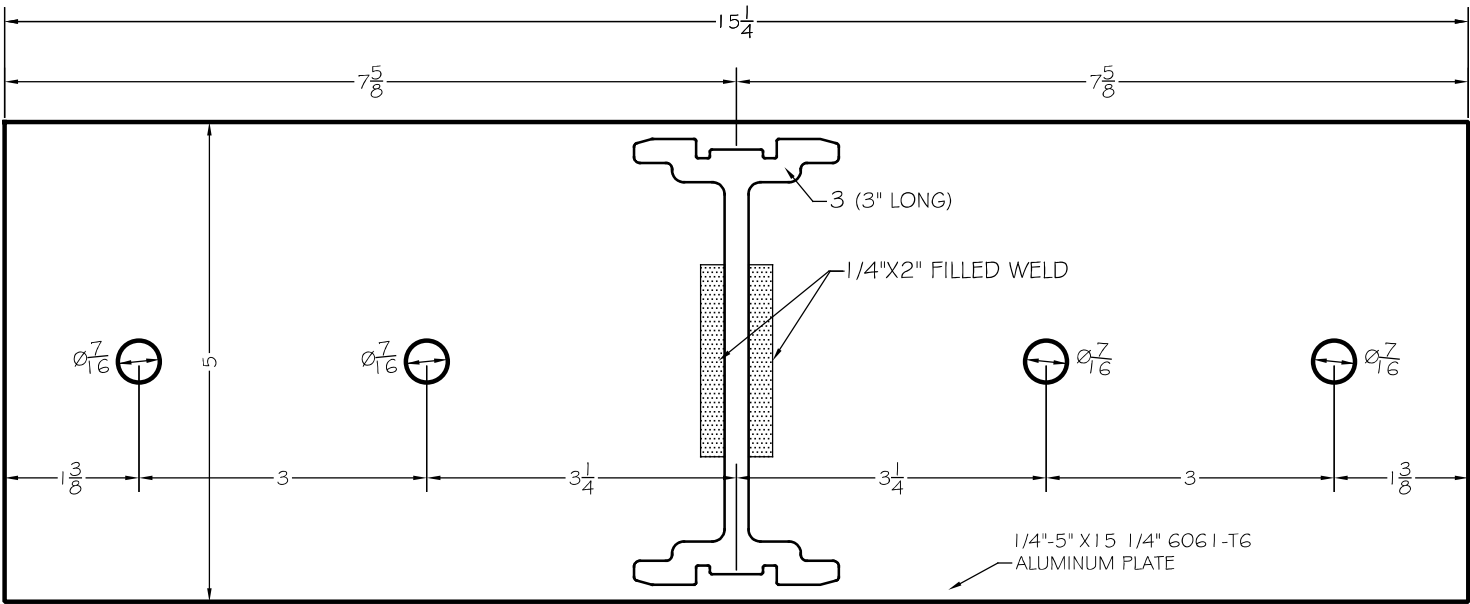
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DATE:
08/12/2026

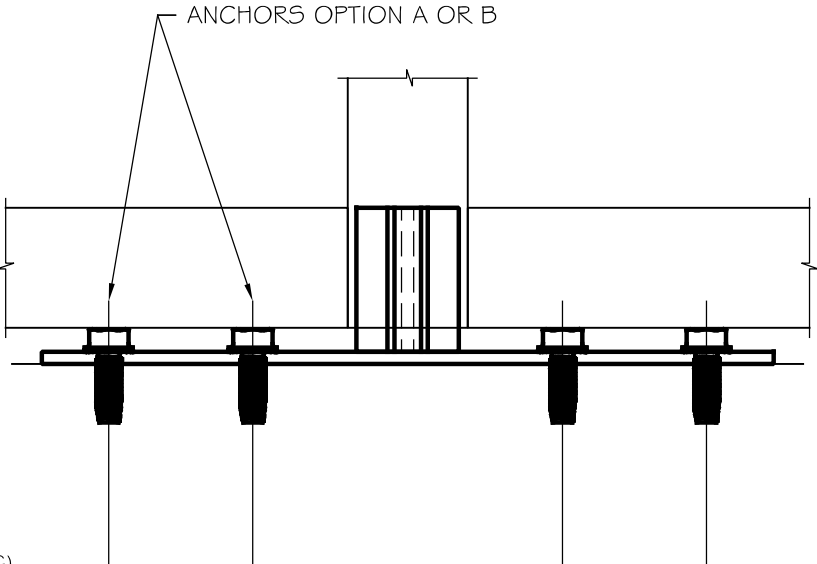
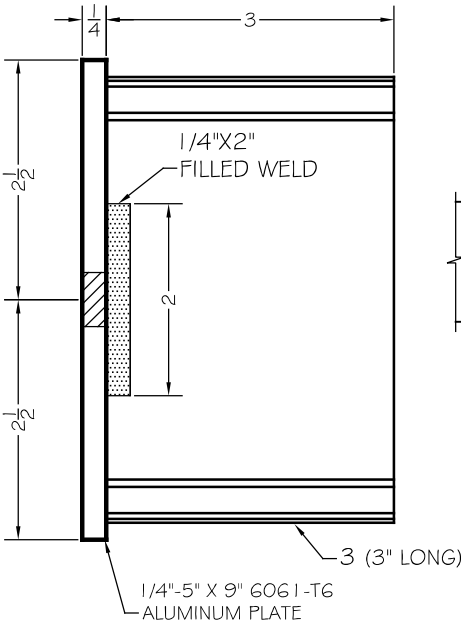
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26-097.1

SHEET
15

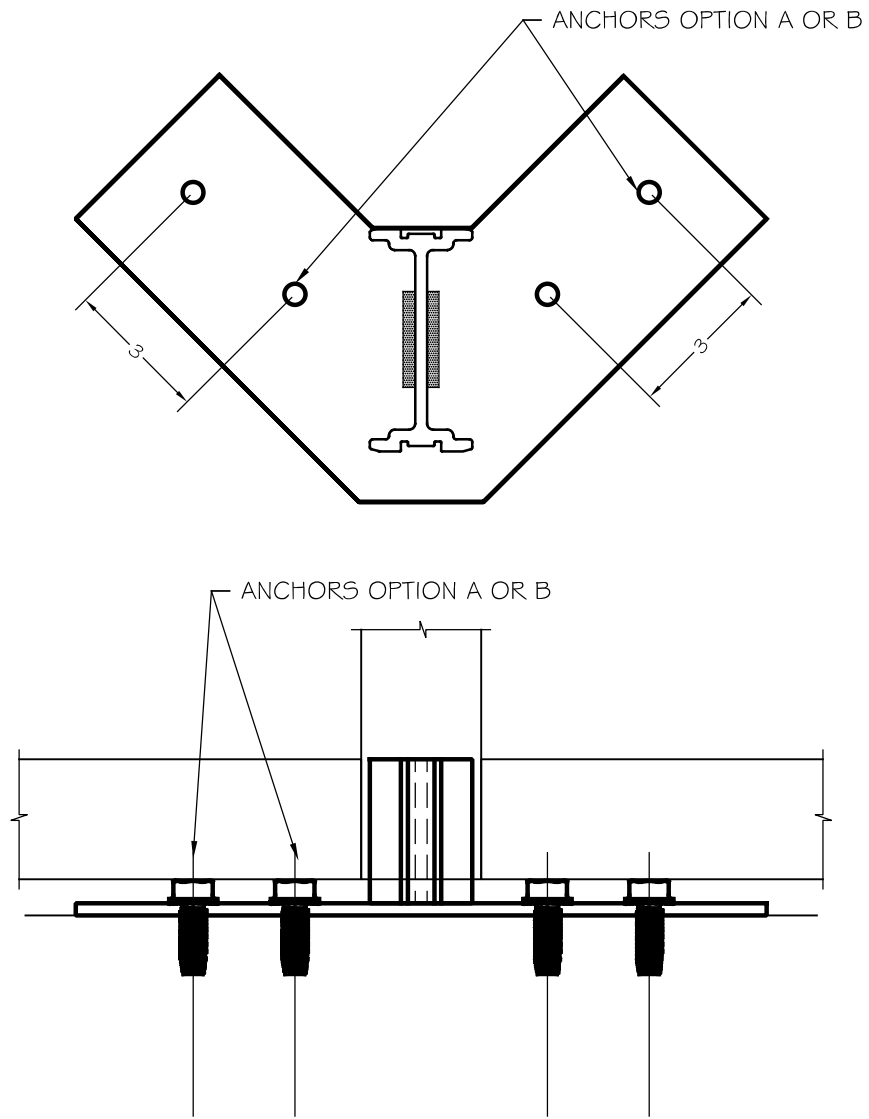
#27 - "T" ANCHOR BRACKET



"T" ANCHOR



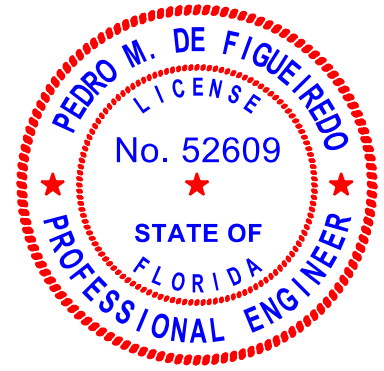
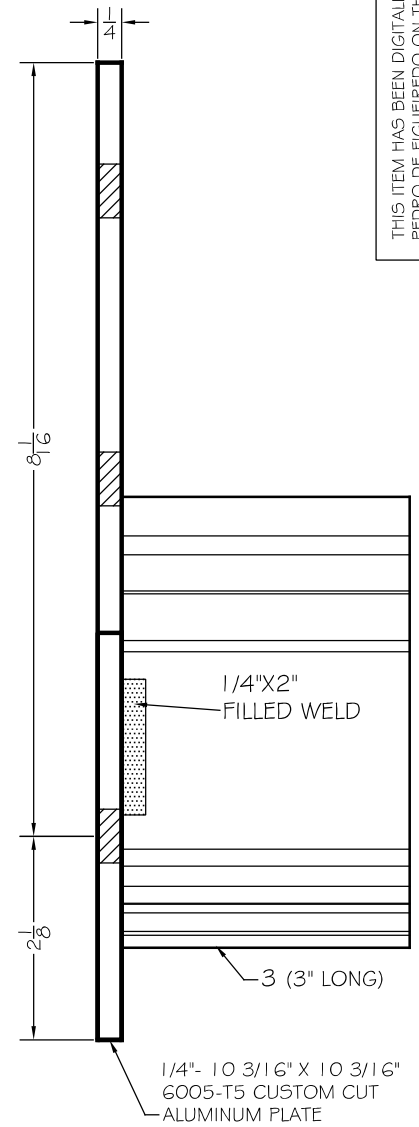
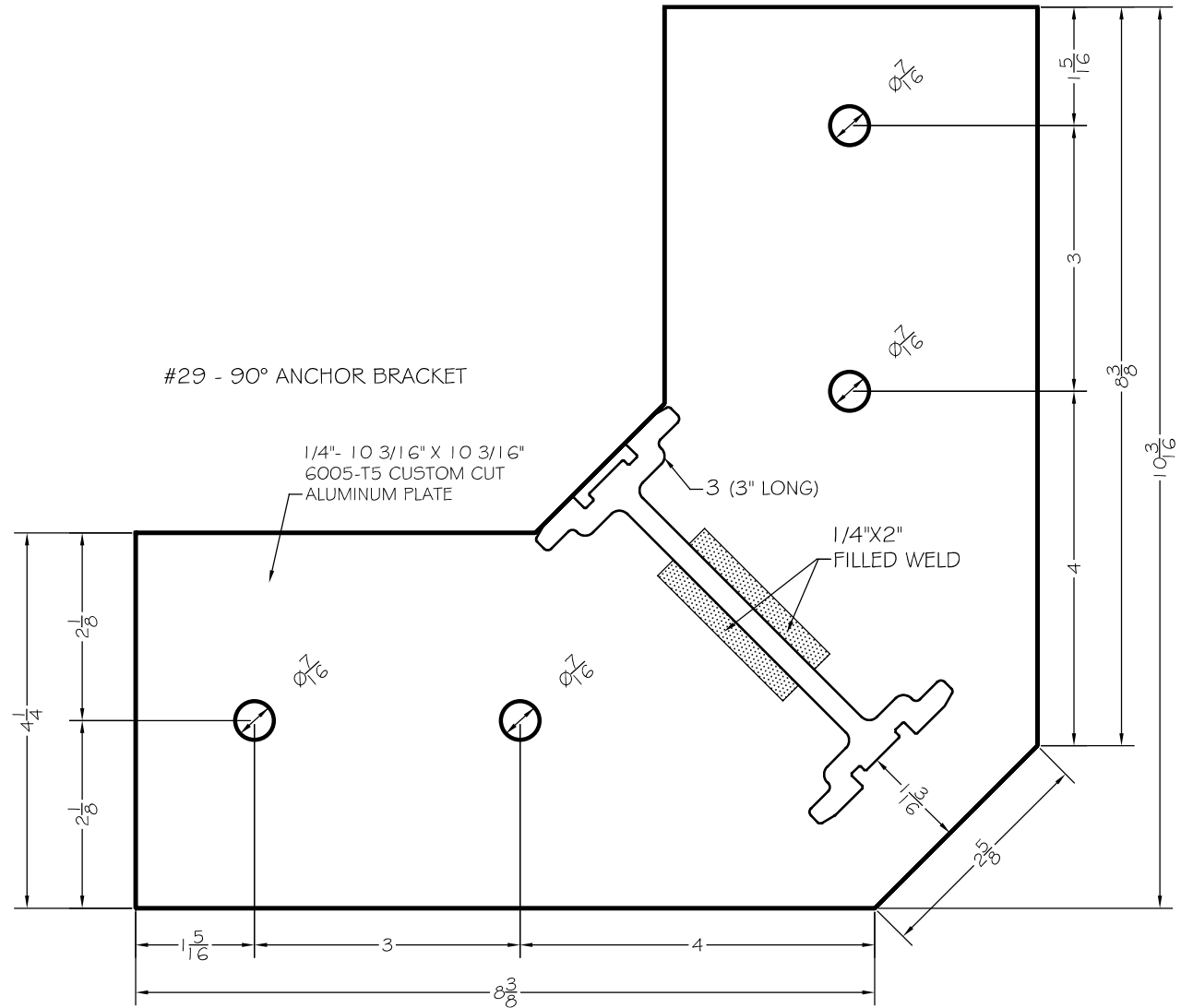
FLOOR / CEILING CONNECTION



ANCHORS:

OPTION A: 3/8" DIAM. DEWALT SCREW BOLT W/ 4" ED,
MIN. 3 1/4" EMBEDMENT INTO 3KSI CONCRETE.

OPTION B: 3/8"-16 DEWALT TAP-FLEX INTO MIN.
3/16" ASTM A36 STEEL STRUCTURE



Pedro De Figueiredo
PE52609
08/12/2026

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PLANTATION, FL 33324
PPMF@AOL.COM
ENGINEER SEAL
PEDRO DE FIGUEIREDO
PE 52609

PRODUCT :
SERIES 6000
ALUMINUM CURTAIN WALL

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MEDLEY, FLORIDA 33166
PH: (786) 534-6713
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SCALE:

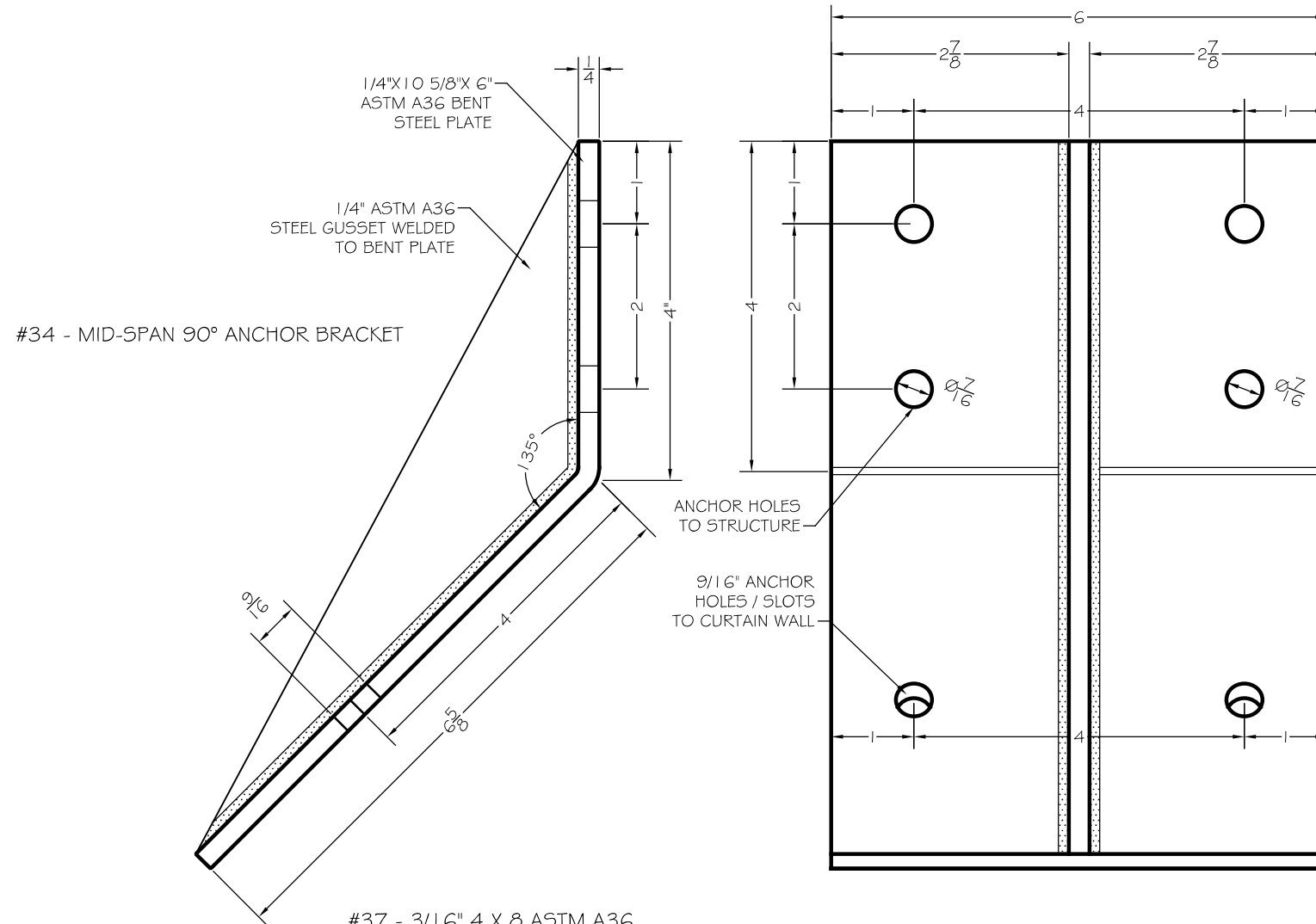
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08/12/2026

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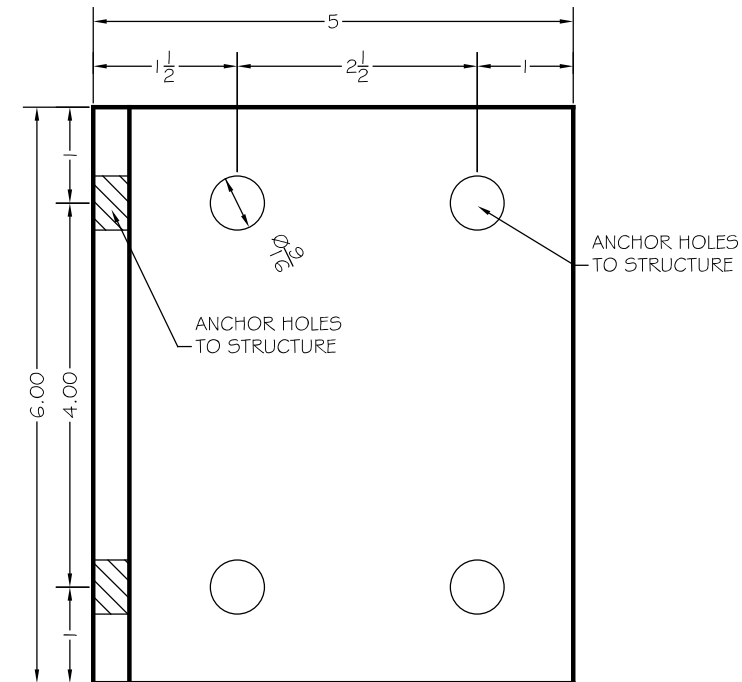
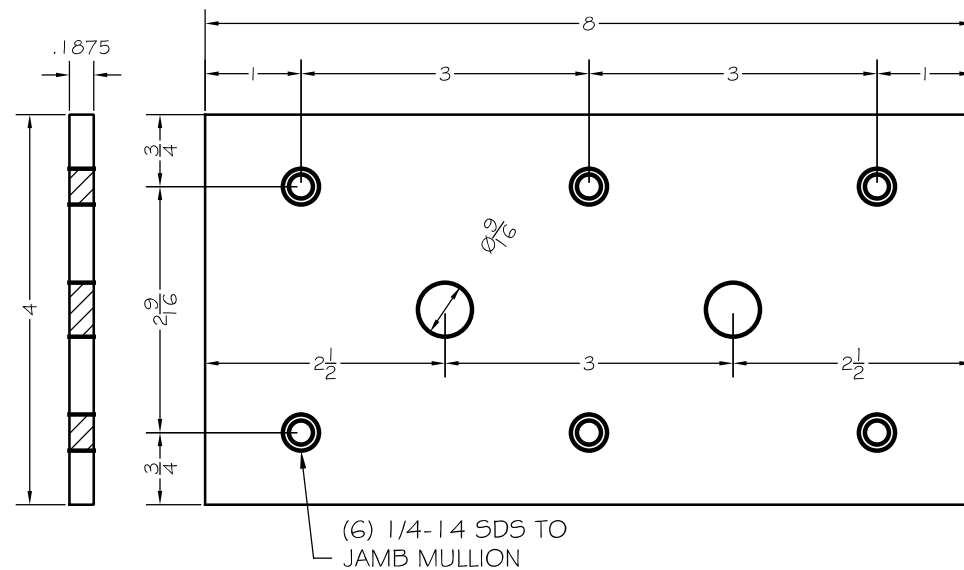
SHEET
16

STEEL BRACKETS AND PLATES DETAILS



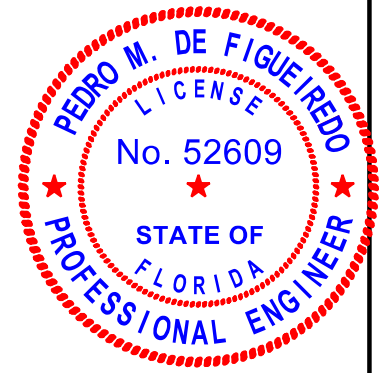
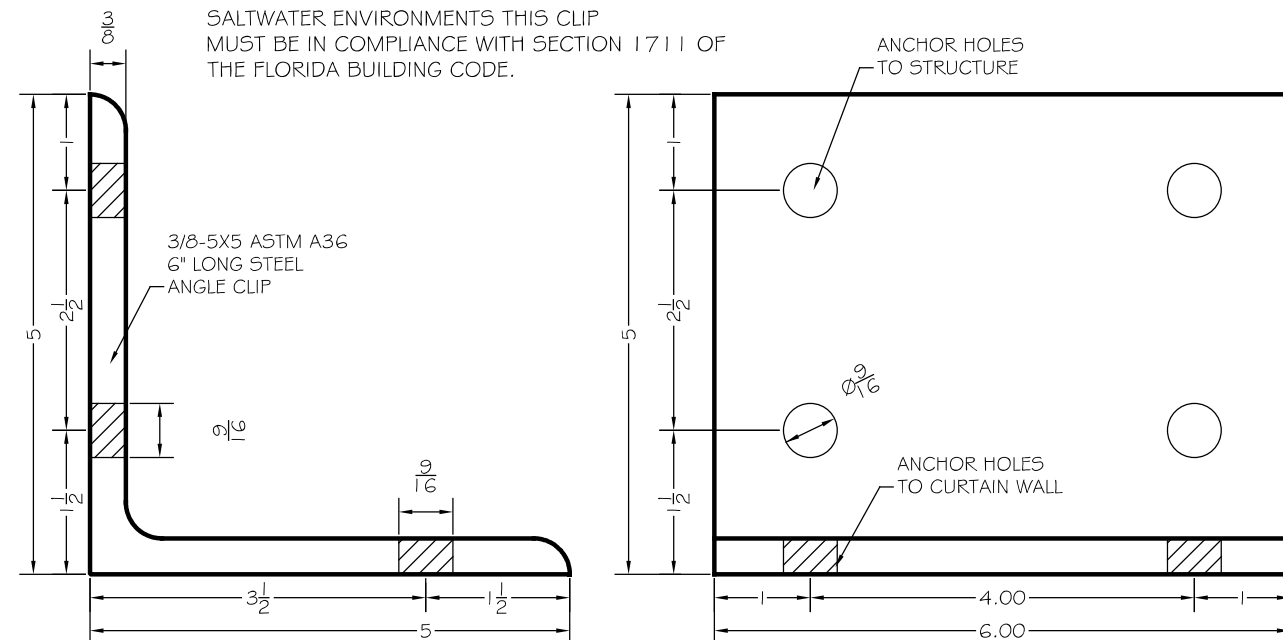
#37 - 3/16" 4 X 8 ASTM A36
JAMB REINF. STEEL PLATE

NOTE: FOR INSTALLATIONS WITHIN 3000 FEET OF SALTWATER ENVIRONMENTS THIS CLIP MUST BE IN COMPLIANCE WITH SECTION 1711 OF THE FLORIDA BUILDING CODE.



#33 - MID-SPAN ANCHOR BRACKET

NOTE: FOR INSTALLATIONS WITHIN 3000 FEET OF SALTWATER ENVIRONMENTS THIS CLIP MUST BE IN COMPLIANCE WITH SECTION 1711 OF THE FLORIDA BUILDING CODE.



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08/12/2026

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PRODUCT:
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ALUMINUM PRODUCTS, LLC

SCALE:
: 1/2

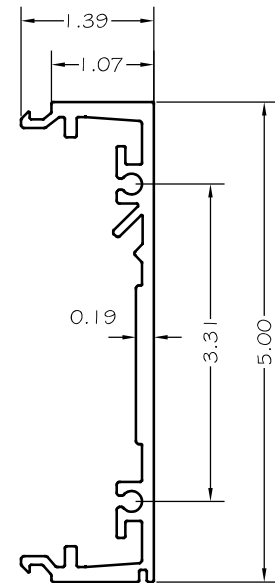
DATE:
08/12/2026

DRAWING #
26-097.1

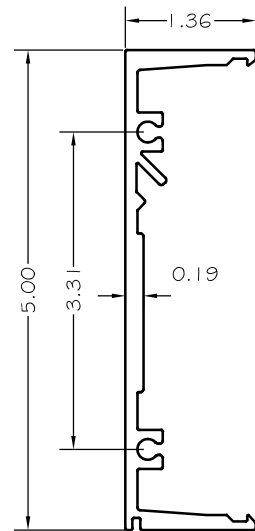
SHEET
17

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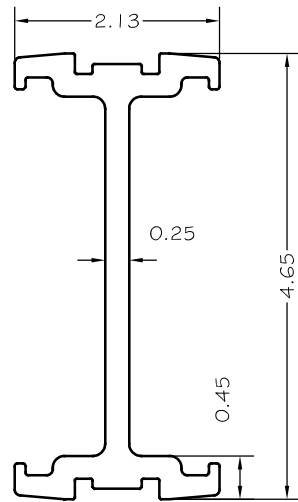
PRODUCT COMPONENTS



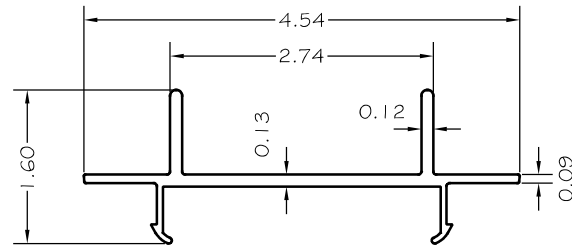
1- PHX-600
SSG MALE
VERTICAL MULLION
ALUMINUM ALLOY
6063-T6



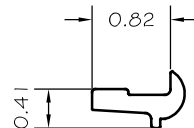
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SSG FEMALE
VERTICAL MULLION
ALUMINUM ALLOY
6063-T6



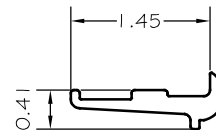
3- PHX-602
REINFORCEMENT SPLICE
ALUMINUM ALLOY 6005-T5



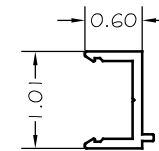
8- PHX-607
TOP RAIL ADAPTOR
ALUMINUM ALLOY 6063-T6



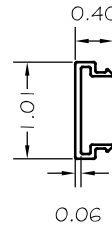
10M- PHX-609M
3" LONG SETTING CHAIR
ALUMINUM ALLOY 6063-T6



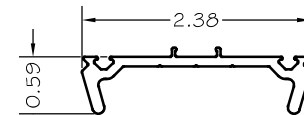
10- PHX-609
3" LONG SETTING CHAIR
ALUMINUM ALLOY 6063-T6



12- PHX-611
EXTERIOR FILLER BASE
ALUMINUM ALLOY 6063-T6

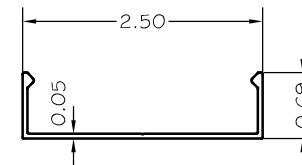


13- PHX-610A
EXTERIOR FILLER COVER
ALUMINUM ALLOY 6063-T6

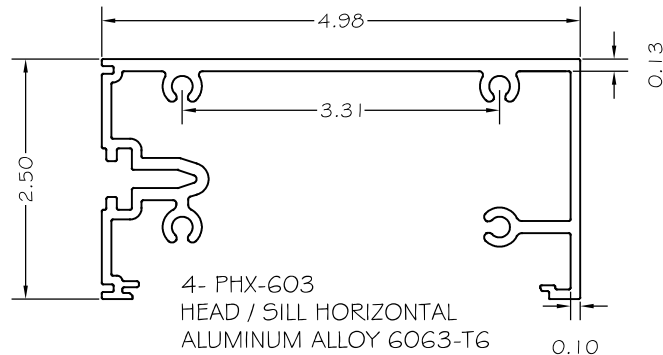


14A- BCE-289 ALTERNATE
SNAP PLATE - ALUMINUM
ALLOY 6063-T5

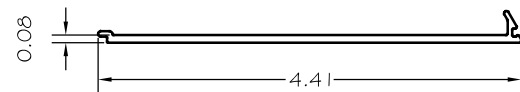
14- BCE-260
SNAP PLATE - ALUMINUM
ALLOY 6063-T5



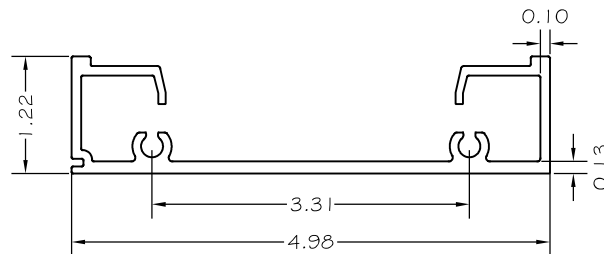
15- BCE-2564
FACE COVER - ALUMINUM
ALLOY 6063-T5



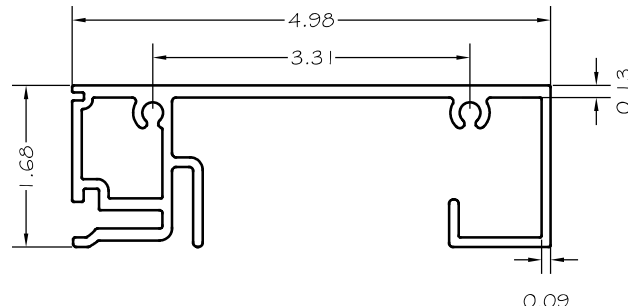
4- PHX-603
HEAD / SILL HORIZONTAL
ALUMINUM ALLOY 6063-T6



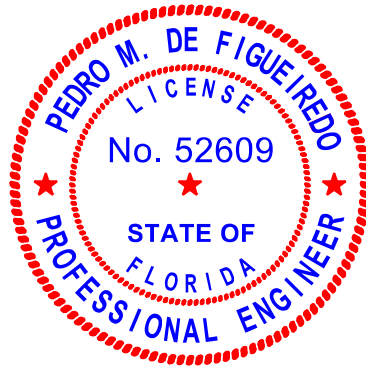
5- PHX-604
FLUSH FILLER COVER
ALUMINUM ALLOY 6063-T6



6- PHX-605
TOP RAIL
ALUMINUM ALLOY 6063-T6



7- PHX-606
EXPANSION BOTTOM RAIL
ALUMINUM ALLOY 6063-T6



Pedro De Figueiredo
PE 52609
08/12/2026

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY
PEDRO DE FIGUEIREDO ON THE DATE INDICATED HERE.

PRODUCT:

SERIES 6000
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SCALE:
1:1/2

DATE:
08/12/2026

DRAWING #
26-097.1

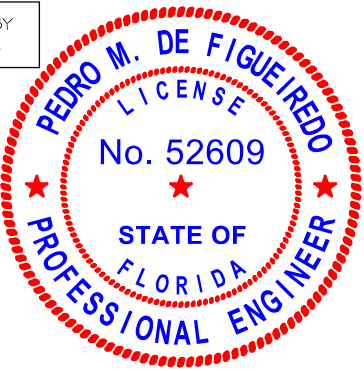
SHEET
18



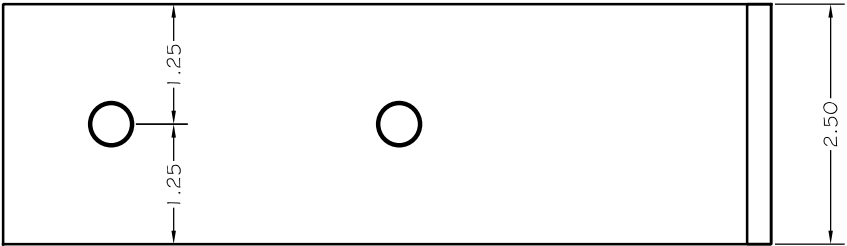
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PRODUCT COMPONENTS

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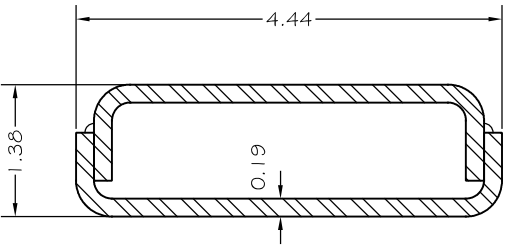
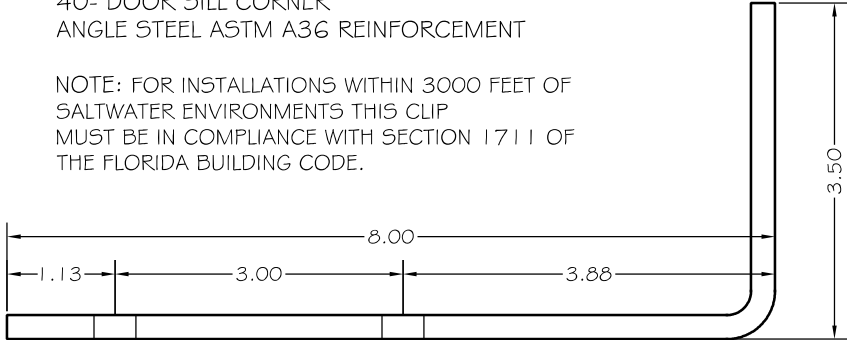


Pedro De Figueiredo
PE 52609
08/12/2026



40- DOOR SILL CORNER
ANGLE STEEL ASTM A36 REINFORCEMENT

NOTE: FOR INSTALLATIONS WITHIN 3000 FEET OF SALTWATER ENVIRONMENTS THIS CLIP MUST BE IN COMPLIANCE WITH SECTION 1711 OF THE FLORIDA BUILDING CODE.



39- STEEL REINFORCEMENT
3/16" ASTM A36 STEEL FORMED PLATES WELDED TO FORM REINFORCEMENT
SECTION - LENGHT = FH - 6"

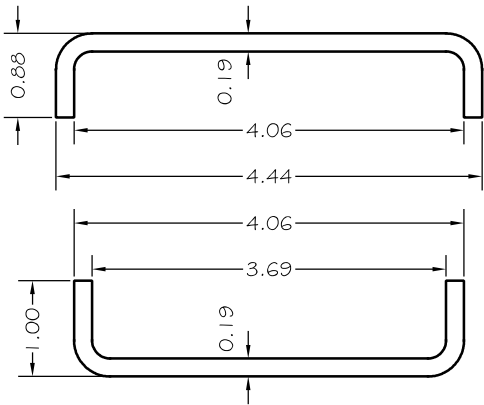


TABLE 1711.1 - CORROSION RESISTANCE OF FASTENERS

EXPOSURE		BUILDING LOCATION FROM COASTAL SHORELINE	
		≤ 300 FEET	>300 AND ≤3000 FEET
EXTERIOR	PARTIALLY SHELTERED	STAINLESS STEEL SECTION 1711.1.1.1	GALVANIZED SECTION 1711.1.1.2
	OPEN EXPOSED		
INTERIOR UNCONDITIONED ENCLOSED	VENTED UNVENTED	GALVANIZED SECTION 1711.1.1.2	GALVANIZED SECTION 1711.1.1.2

ANCHOR DATA						FBC 2026 SECTION 1711 COMPLIANCE
MARK	TYPE	SUBSTRATE	EMB.	ED	S	
A	3/8" SCREW BOLT+ BY DEWALT GALVANIZED PLATED	3 KSI CONCRETE	3.25	4	4	1711.1.1.2
B	3/8"-16 TAPFLEX BY DEWALT W/ MIN. 3 TREADS INTO MTL.	3/16" STEEL ASTM A36	-	0.75	4	1711.1.1.2
C	1/2"-13 TAPFLEX BY DEWALT W/ MIN. 3 TREADS INTO MTL	3/16" STEEL ASTM A36	-	1	4	1711.1.1.2
NOTES:	1- EMD.: MINIMUM EMBEDMENT INTO SUBSTRATE, E.D.: MINIMUM EDGE DISTANCE, S: MINIMUM ANCHOR SPACING 2- ALL DIMENSIONS IN INCHES 3- ANCHORS CAN BE CONSIDERED INTERIOR UNCONDITIONED VENTED / UNVENTED AS PER SECTION 1711 OF THE FBC					

ITEM	PART	DESCRIPTION	REMARKS
1	PHX-G00	SSG MALE VERTICAL MULLION	ALLOY 6063-T6
2	PHX-G01	SSG FEMALE VERTICAL MULLION	ALLOY 6063-T6
3	PHX-G02	REINFORCEMENT SPLICE	ALLOY 6005-T5
4	PHX-G03	HEAD, SILL, HORIZONTAL FRAME	ALLOY 6063-T6
5	PHX-G04	FLUSH FILLER COVER	ALLOY 6063-T6
6	PHX-G05	TOP RAIL	ALLOY 6063-T6
7	PHX-G06	EXPANSION BOTTOM RAIL	ALLOY 6063-T6
8	PHX-G07	TOP RAIL ADAPTOR	ALLOY 6063-T6
9	PHX-G08	90 DEGREE VERTICAL ADAPTOR	ALLOY 6063-T6
10	PHX-G09	3" LONG SETTING CHAIR	ALLOY 6063-T6
11	PHX-G10	IG EXTERIOR FILLER COVER	ALLOY 6063-T6
12	PHX-G11	EXTERIOR FILLER BASE	ALLOY 6063-T6
13	PHX-G12	MONO EXTERIOR FILLER COVER	ALLOY 6063-T6
14	BCE-289	SNAP PLATE	ALLOY 6063-T5
15	BCE-2564	FACE COVER	ALLOY 6063-T5
16	TR-53995	TREMCO GLAZING SPACER	70 DURO, SILICONE
17		PROGLAZE TREMCO SSG STRUCTURAL SILICONE	PROGLAZE SSG BLACK SILICONE
18		DOW 995 STRUCTURAL SILICONE	DOW 995 BLACK SILICONE
19		BLACK SILICONE + BACKER ROD	BLACK SILICONE
20		HIGH BOND DOUBLE FACE TAPE	
21		WET GLAZING SILICONE	BLACK SILICONE
22		IG SETTING BLOCK 3" LONG	BLACK
23		SETTING BLOCK 3" LONG	BLACK
24		#10 X 1/2" PH SCREW	S5 SCREW
25		#10 X 1/2" FH SCREW	S5 SCREW
26		SHIMS	PLASTIC SHIMS
27	PHX-G02	"F" ANCHOR	ALLOY 6005-T5
28	PHX-G02	"T" ANCHOR	ALLOY 6005-T5
29	PHX-G02	90 DEGREE ANCHOR	ALLOY 6005-T5
30		1/4-20 X 1" PH FH BOLT WITH NUT AND LOCK WASHER	S5 SCREW
31	PHX-G02	REINFORCEMENT SPLICE @ 61" LONG	ALLOY 6005-T5
32	PHX-G02	REINFORCEMENT SPLICE @ 75" LONG	ALLOY 6005-T5
33		DEAD / WIND LOAD ANCHOR	5 X 5 X 3/8" X 6" LONG STEEL
34		DEAD / WIND 90 DEGREE ANCHOR W/ GUSSET	1/4" -4 X 6 5/8" X 6" LONG STEEL
35		ELCO TAP FLEX BOLT	3/8" X2" ELCO TAPFLEX #ESU320
36		1/2" HEX BOLT	1/2" X 4" BOLT NUT AND WASHERS
37		3/16"-4X8 ASTM A36 STEEL PLATE	JAMB REINF. STEEL PLATE
38		1/4"-1 1/2" PH TYPE 23 PT ASSEMBLY SCREWS	410 STAINLESS STEEL
39		DOOR JAMB MULLION STEEL REINFORMENT	ASTM A36 STEEL
40		DOOR JAMB MULLION CORNER ANCHORE SILL CLIP	ASTM A36 STEEL

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ALUMINUM PRODUCTS, LLC

SCALE: 1:1/2
DATE: 08/12/2026
DRAWING # 26-097.1
SHEET 19