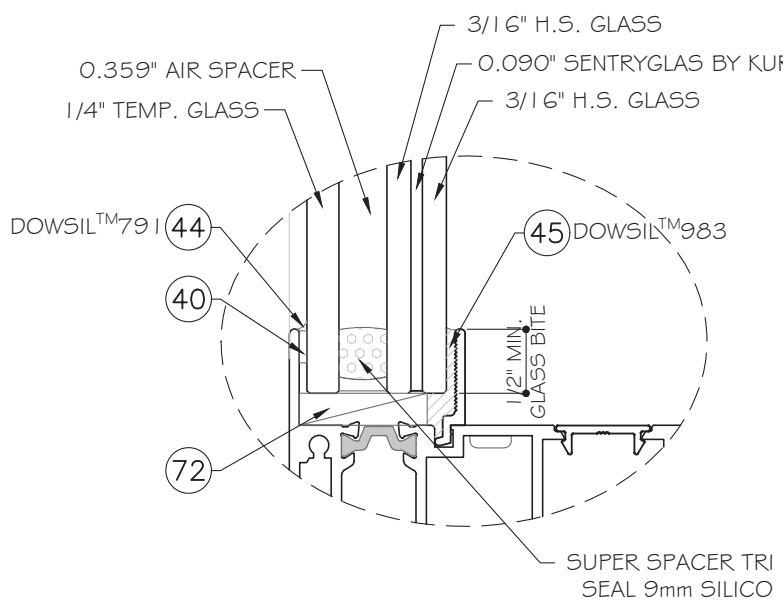
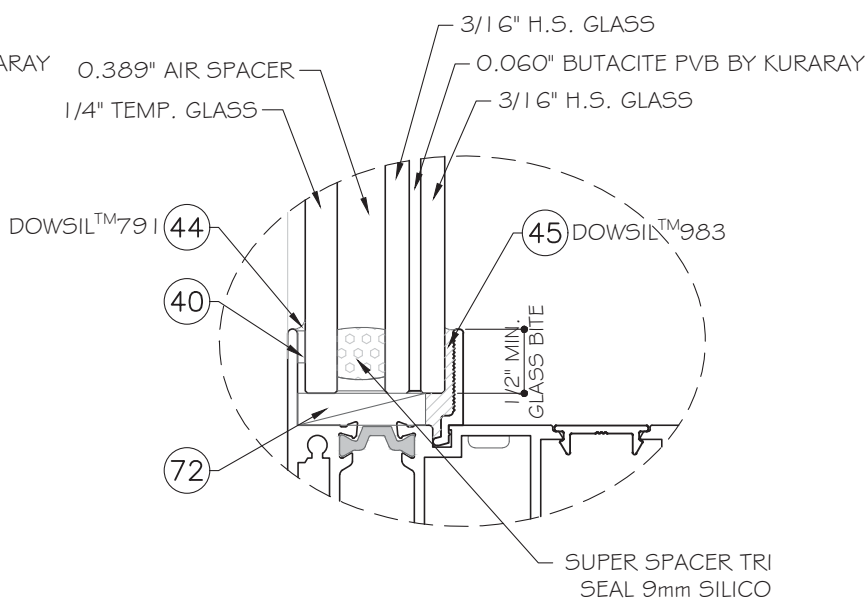


N.R. ARCHITECTURAL PRODUCTS, INC.
SERIES 3500 ALUMINUM AND GLASS FIXED WINDOW
LARGE AND SMALL MISSILE IMPACT



GLASS TYPE 'G1' (L.M.I.)
1 1/16" NOMINAL OVERALL



GLASS TYPE 'G2' (S.M.I.)
1 1/16" NOMINAL OVERALL

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 7TH EDITION / 8TH EDITION FLORIDA BUILDING CODE (2020 / 2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- WINDOWS RATED FOR LARGE AND SMALL MISSILE IMPACT. IMPACT RESISTANT SHUTTER ARE NOT REQUIRED. FOR INSTALLATIONS UP TO 30FT OF GRADE, USE LARGE MISSILE IMPACT SYSTEMS. FOR INSTALLATIONS ABOVE 30 FT OF GRADE, USE SMALL MISSILE IMPACT SYSTEM.
- THESE WINDOWS ARE APPROVED FOR AIR AND WATER INFILTRATION.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 7TH EDITION / 8TH EDITION FLORIDA BUILDING CODE (2020 / 2023) SECTION AS APPLICABLE.
- METAL STRUCTURES NOT BY N.R. ARCHITECTURAL GROUP TO BE DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.
- ULTIMATE LOAD OBTAINED FROM ASCE 7-16 / ASCE 7-22, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.
- MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE LABELING TO COMPLY WITH SECTION 1709.9.2.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1 : DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-16 / ASCE 7-22 STANDARD.
- STEP 2: SEE SHEET (COVER) FOR GLASS TYPES AND GLAZING DETAIL FOR LMI & SMI SYSTEM OPTIONS.
- STEP 3: SEE TYPICAL ELEVATION ON SHEET E1, E2 & E3, OTHER CONFIGURATIONS SEE SHEET E3
- STEP 4: SEE SHEET M1 & M2 FOR APPROVED MULLION CAPACITIES FOR FIXED WINDOW MULLED WITH SINGLE HUNG WINDOWS.
- STEP 5: SEE ANCHOR OPTIONS ON SHEET D1 & D7, THE LOWEST VALUE RESULTING FROM STEPS 2 & 3 SHALL APPLY TO ENTIRE SYSTEM.

ABBREVIATIONS AND SYMBOLS	
D.L.O. - DAYLITE OPENING	
F.H. - FRAME HEIGHT	
F.W. - FRAME WIDTH	
W/ - WITH	
W/O - WITHOUT	
O.C. - ON CENTER	
	C 7 SECTION NUMBER SHEET NUMBER

LIMITATIONS OF USE	
A-	THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.
B-	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.
C-	THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
D-	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.
E-	THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

FLORIDA APPROVAL:
FL #29107.1

August 16th, 2023

MCY ENGINEERING, INC.

GLAZING CONSULTANTS

12781 MIRAMAR PKWY. STE. 301

MIRAMAR, FL 33027

P. 305 271 0117

www.MCYEngineering.com

mcy@mcyengineering.com

SERIES 3500 ALUMINUM FIXED WINDOW - (L.M.I. & S.M.I.)

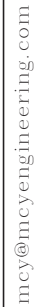
NR ARCHITECTURAL PRODUCTS, INC.

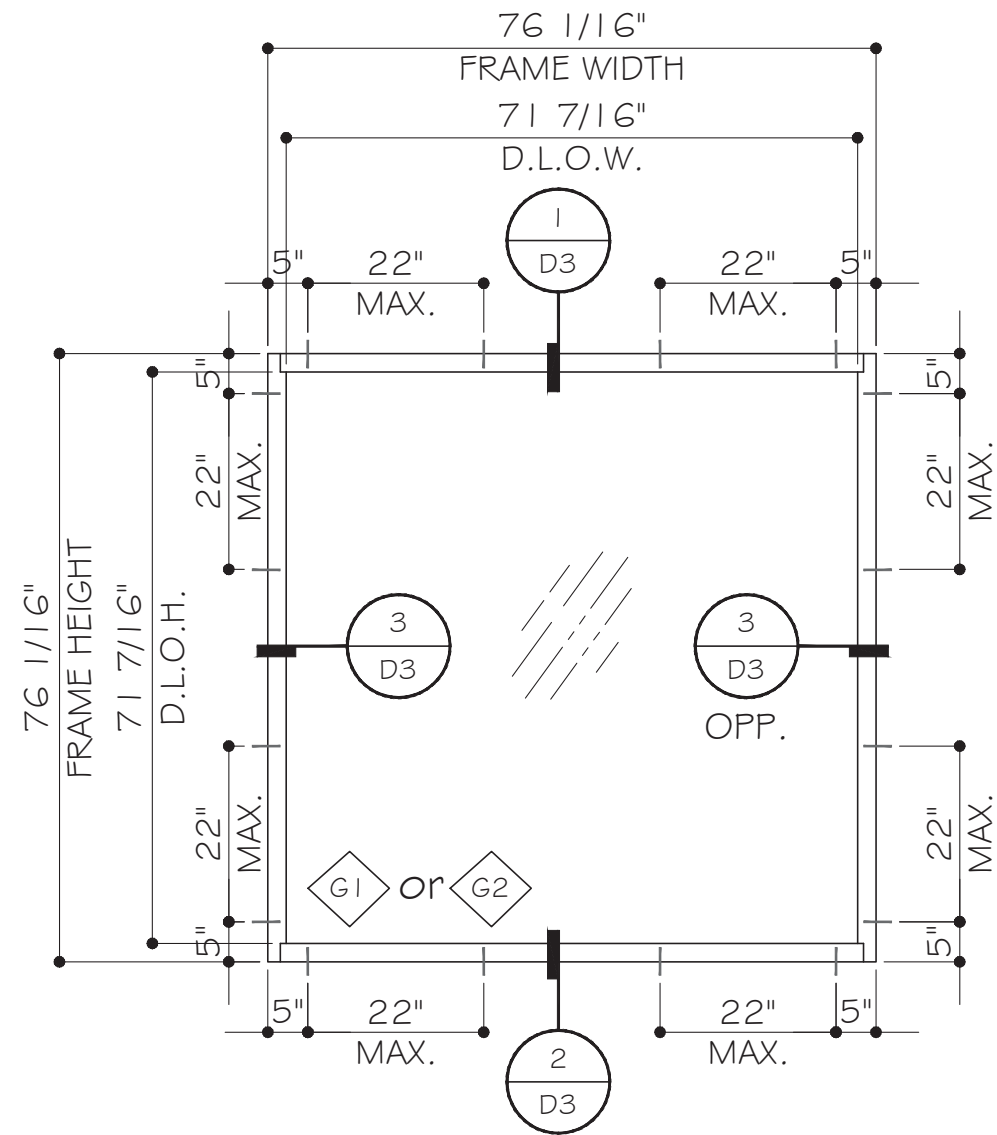
4348 WESTROAD DRIVE,

RIVIERA BEACH, FL 33407

TEL. (561)8441121

Drawn Date	08.11.2023	Scale	AS SHOWN
DRAWING NO.			
AD19-03			
COVER			
Sheet No.			
01 OF 21			

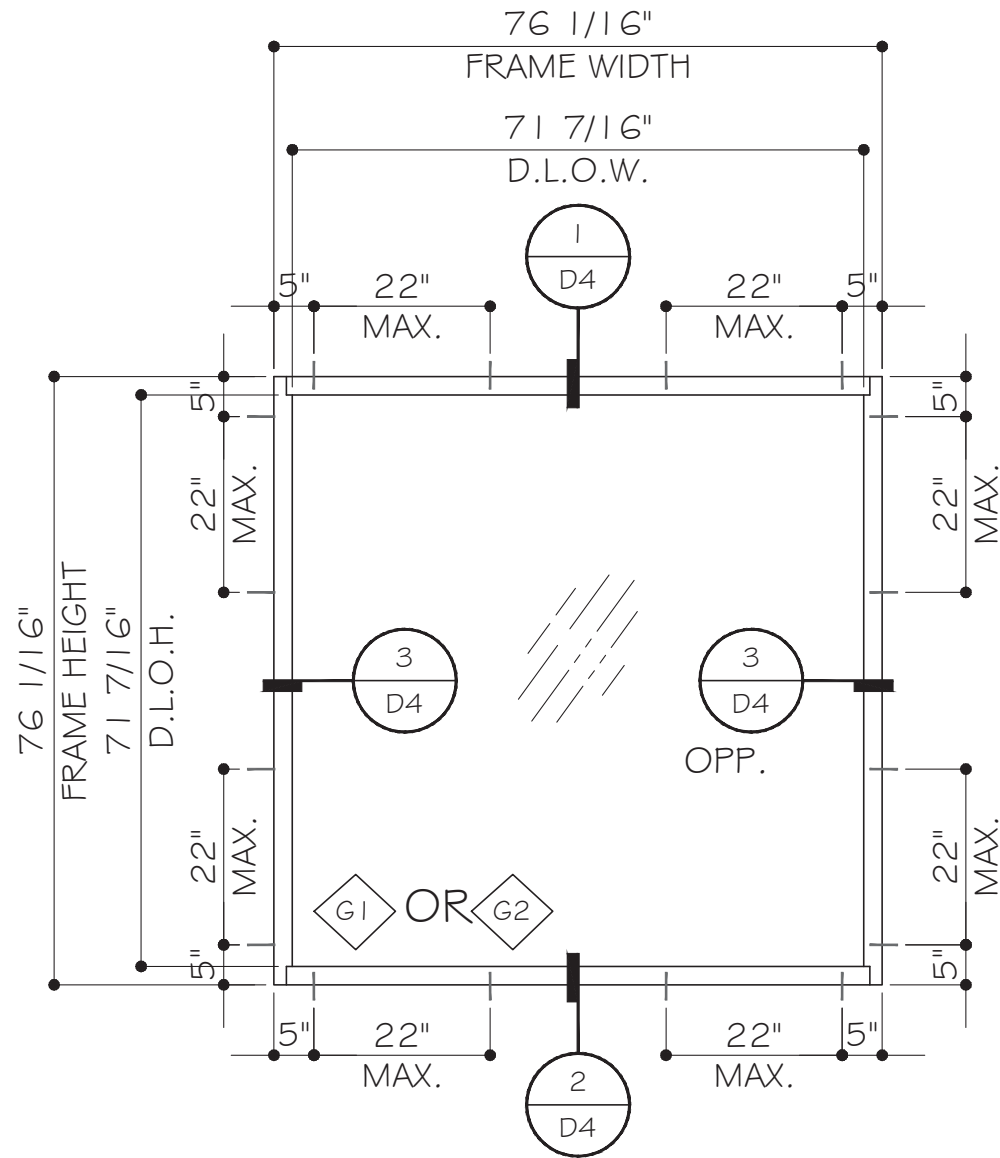




TYPICAL ELEVATION W/DIRECT ANCHOR
TESTED SIZE SHOWN

GLASS D.L.O. DIMS.
D.L.O. HEIGHT=FRAME HEIGHT-4.601"
D.L.O. WIDTH=FRAME WIDTH-4.601"

SEE CHART 1 ON SHEET E5
FOR APPROVED SIZE AND CAPACITIES

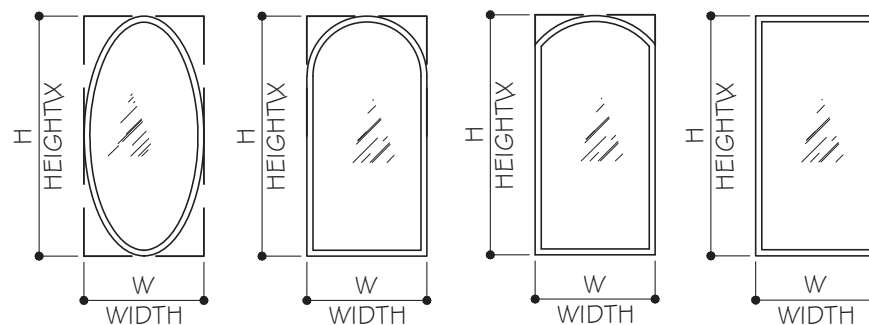
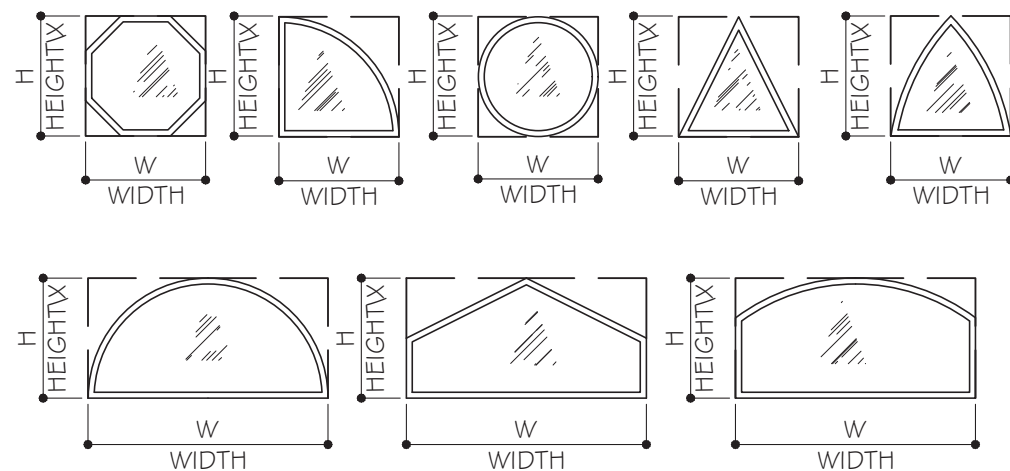


TYPICAL ELEVATION W/F-CLIP
TESTED SIZE SHOWN

SEE CHART 1 ON SHEET E5
FOR APPROVED SIZE AND CAPACITIES

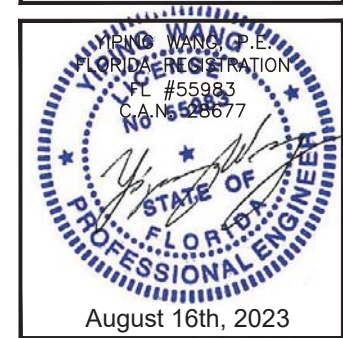
SEE SHEET D7 FOR APPROVED
ANCHOR OPTIONS

CONFIGURATION OPTIONS

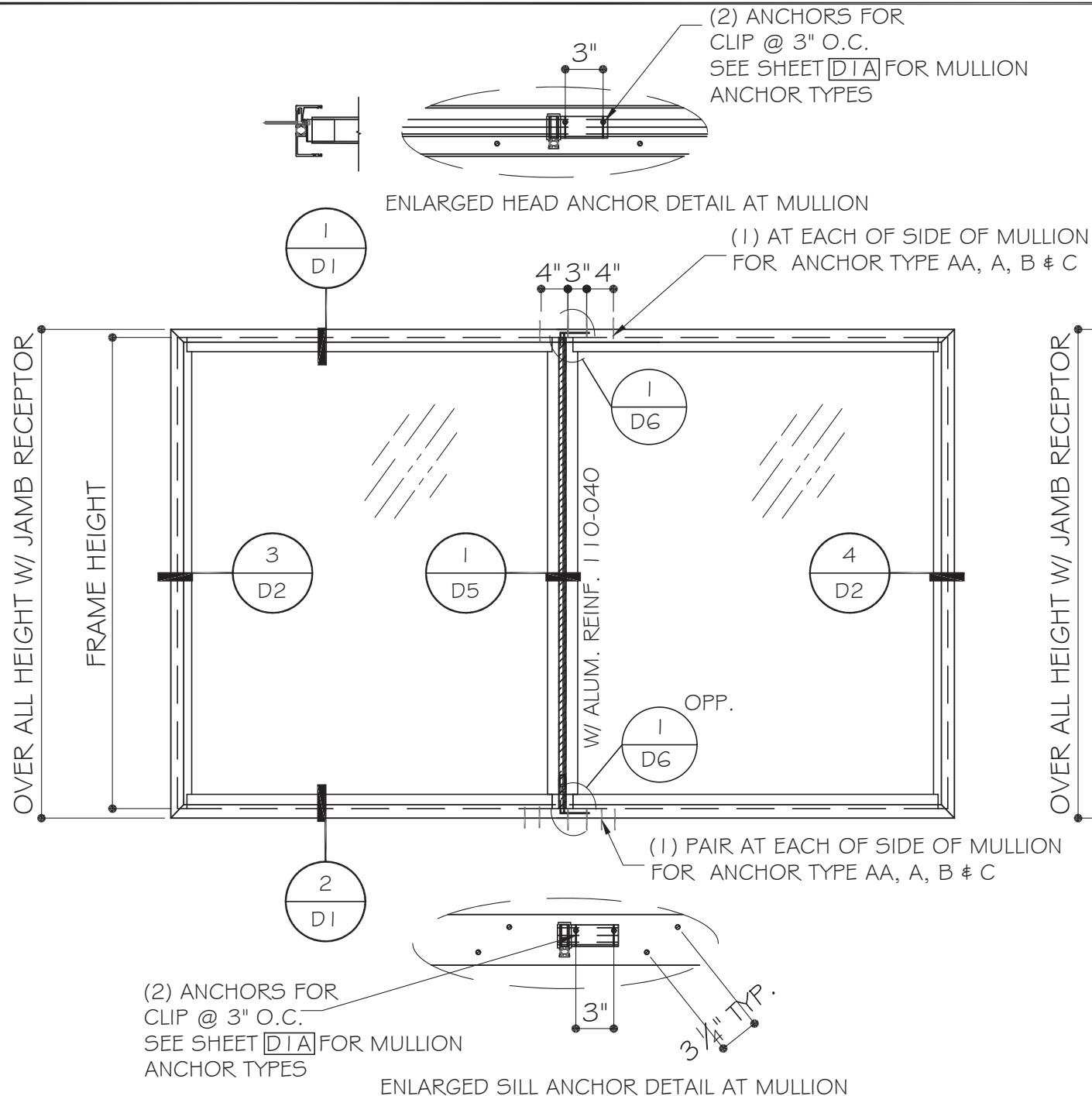


MAXIMUM DESIGN PRESSURE RATING (PSF) FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE DETERMINED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE (W X L) OR RECTANGLE (W X L) AS SHOWN IN DOTTED LINES AND OBTAINING MAXIMUM DESIGN PRESSURE RATING (PSF) FOR THOSE ALTERNATE SHAPES FROM SCHEDULES ON SHEET G1.

FLORIDA APPROVAL:
FL #29107.1



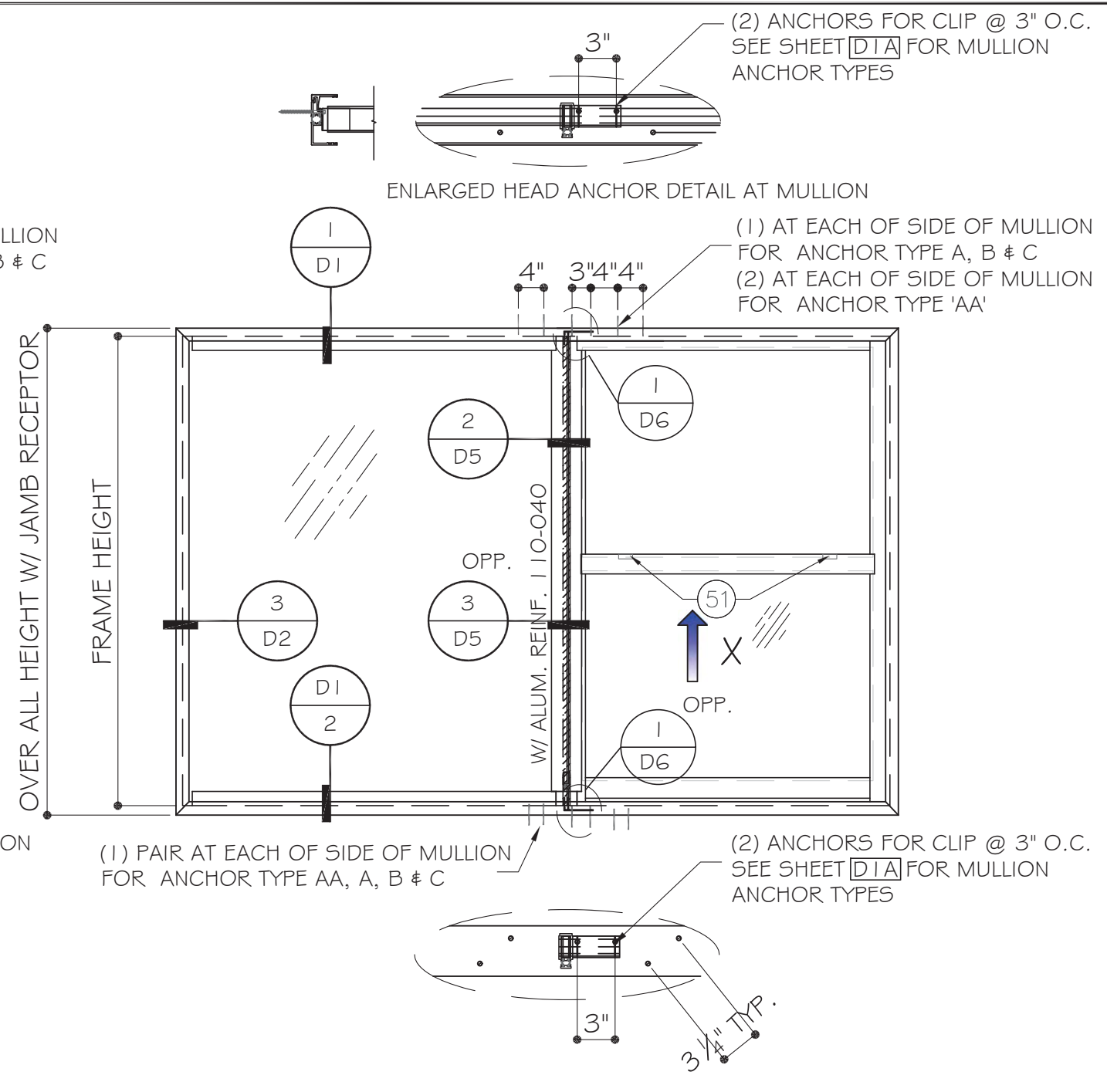
Drawn Date	08.11.2023	Scale	AS SHOWN
Drawn By	James	Rev. No.	
Date	08.11.2023	Rev. No.	
Description	FBC 2023	Rev. No.	
DRAWING NO. AD19-03			
E2			
Sheet No. 03 OF 21			



ANCHOR AT MULLION ENDS-HEAD & SILL

FIXED WINDOW - FIXED WINDOW W/ RECEPTOR

SEE SHEET **D1** FOR APPROVED ANCHOR OPTIONS FOR FRAME



ANCHOR AT MULLION ENDS-HEAD & SILL

FIXED WINDOW - SINGLE HUNG WINDOW W/ RECEPTOR

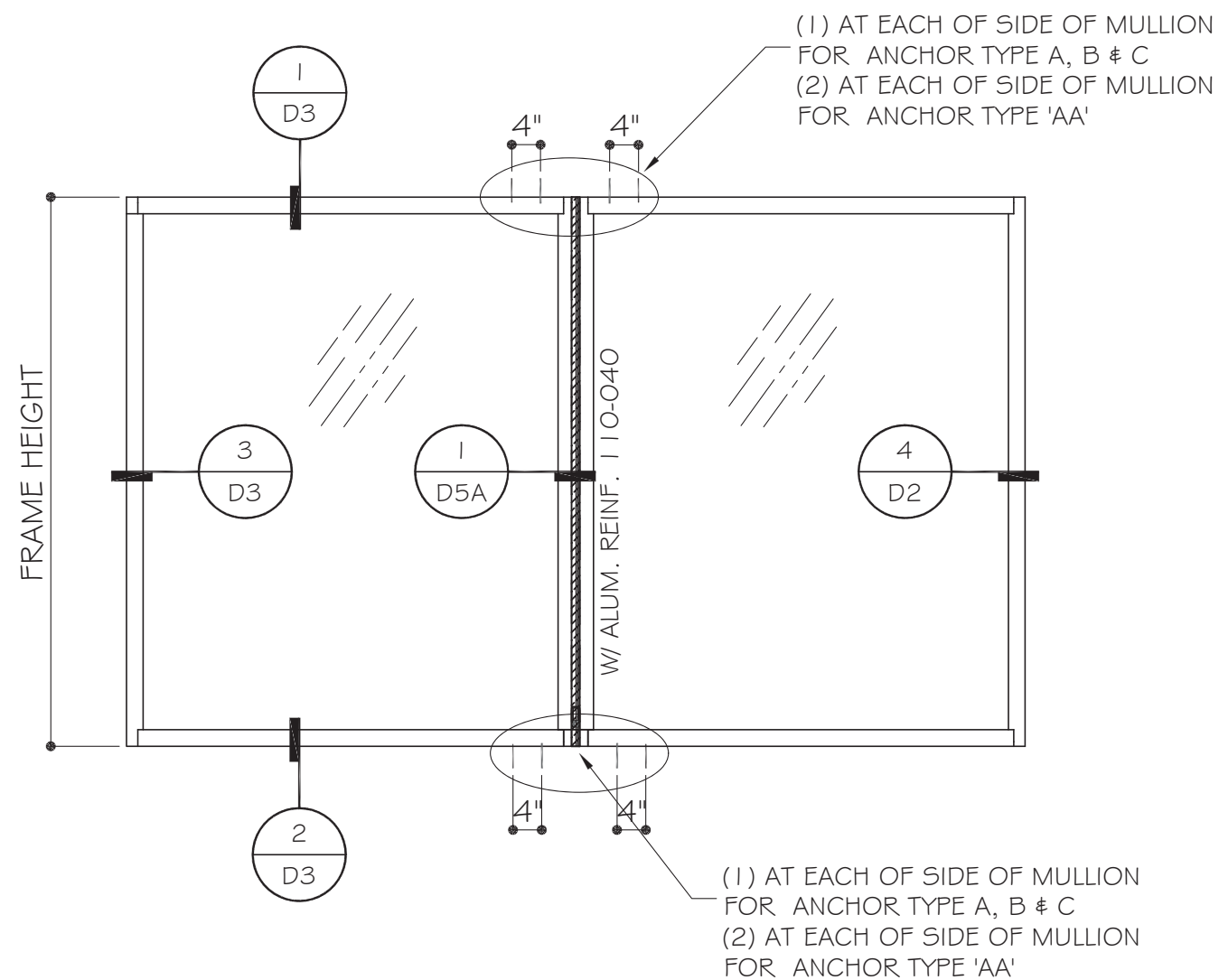
SEE SHEET **D1** FOR APPROVED ANCHOR OPTIONS FOR FRAME

FLORIDA APPROVAL:
FL #29107.1

YOUNG WANG P.E.
FLORIDA REGISTRATION
FL #55983
CA #528677

August 16th, 2023

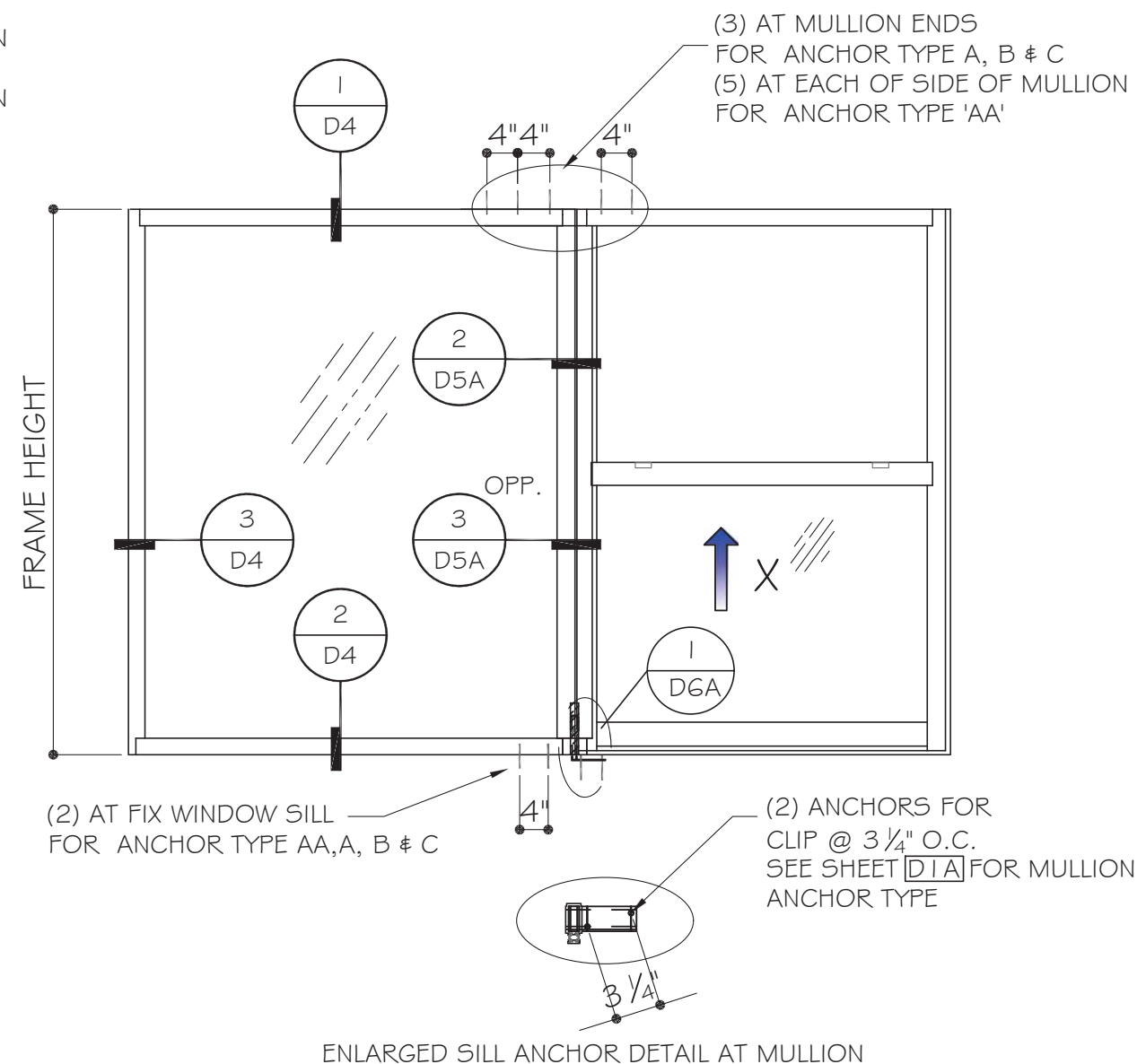
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08.11.2023	AS SHOWN	R3	08.11.2023	James	FBC 2023
DRAWING NO. AD19-03					
E3					
Sheet No. 04 OF 21					



ANCHOR AT MULLION ENDS-HEAD & SILL

FIXED WINDOW - FIXED WINDOW
DIRECT ANCHOR OR ANCHOR THRU F-CLIP

SEE SHEET D7 FOR APPROVED
ANCHOR OPTIONS FOR FRAME



ANCHOR AT MULLION ENDS-HEAD & SILL

FIXED WINDOW - SINGLE HUNG WINDOW
DIRECT ANCHOR OR ANCHOR THRU F-CLIP

SEE SHEET D7 FOR APPROVED
ANCHOR OPTIONS FOR FRAME

FLORIDA APPROVAL:
FL #29107.1

YOUNG WANG
P.E.
FLORIDA REGISTRATION
FL #55983
C.A.N. #38677

August 16th, 2023

SERIES 3500 ALUMINUM FIXED WINDOW - (L.M.I. & S.M.I.)

NR ARCHITECTURAL PRODUCTS, INC.
4348 WESTROAD DRIVE,
RIVIERA BEACH, FL 33407

TEL. (561)8441121

MCY ENGINEERING, INC.

GLAZING CONSULTANTS

12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL 33027

P. 305 271 0117

www.MCYEngineering.com

mcy@mcyengineering.com

Rev. No.	Date	Drawn By	Description
R3	08.11.2023	James	FBC 2023

Drawn Date
08.11.2023

Scale
AS SHOWN

DRAWING NO.
AD19-03

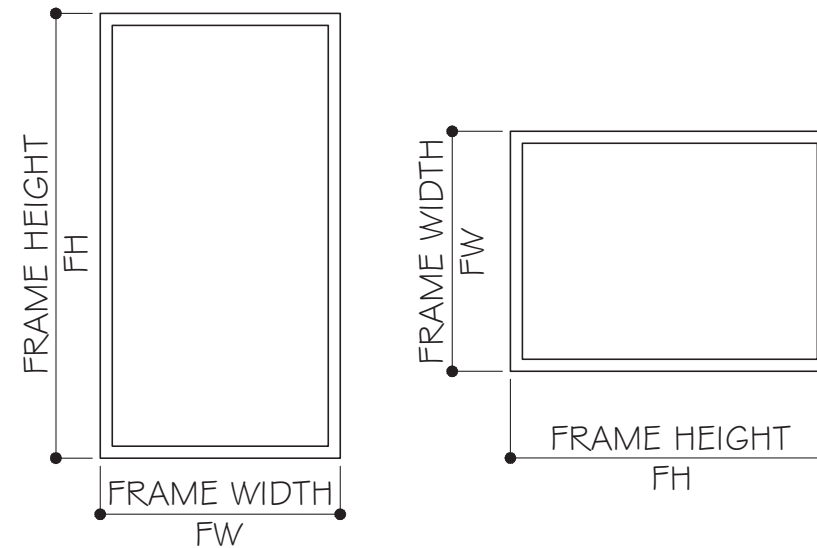
E4

Sheet No.
05 OF 21

CHART 1 - FIXED WINDOW CAPACITY

FIXED WINDOW CAPACITY - PSF (COMMODITY SIZE ONLY)			
NOMINAL DIMS.		LMI#SMI	
		G1 OR G2	
FRAME HEIGHT FH (IN)	FRAME WIDTH FW (IN)	EXT. (+)	INT. (-)
26"	19 1/8"	65.0	75.0
	26 1/2"	65.0	75.0
	37"	65.0	75.0
	53 1/8"	65.0	75.0
38 3/8"	19 1/8"	65.0	75.0
	26 1/2"	65.0	75.0
	37"	65.0	75.0
	53 1/8"	65.0	75.0
50 5/8"	19 1/8"	65.0	75.0
	26 1/2"	65.0	75.0
	37"	65.0	75.0
	53 1/8"	65.0	75.0
63"	19 1/8"	65.0	75.0
	26 1/2"	65.0	75.0
	37"	65.0	75.0
	53 1/8"	65.0	75.0
76"	19 1/8"	65.0	75.0
	26 1/2"	65.0	75.0
	37"	65.0	75.0
	53 1/8"	65.0	75.0

FIXED WINDOW CAPACITY - PSF (CUSTOMIZED SIZE ONLY)			
NOMINAL DIMS.		LMI&SMI	
		G1 OR G2	
FRAME HEIGHT FH (IN)	FRAME WIDTH FW (IN)	EXT. (+)	INT. (-)
76"	48"	65.0	75.0
	54"	65.0	75.0
	60"	65.0	75.0
	66"	65.0	75.0
	72"	65.0	75.0
	76"	65.0	75.0
78"	48"	65.0	75.0
	54"	65.0	75.0
	60"	65.0	75.0
	66"	65.0	75.0
	72"	64.0	74.0
84"	48"	65.0	75.0
	54"	65.0	75.0
	60"	64.0	74.0
	66"	62.0	71.0
90"	48"	65.0	75.0
	54"	65.0	75.0
	60"	62.0	71.0
96"	48"	65.0	75.0
	54"	64.0	74.0
	60"	60.0	69.0



NOTE:

1. WIDTH AND HEIGHT DIMS. CAN BE ORIENTED VERTICAL OR HORIZONTALLY AS SHOWN ABOVE
2. GLASS CAPACITIES ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS).

FL #29107.1

YIN WANG, P.E.
FLORIDA REGISTRATION
FL #55983
C.A. N. 26677

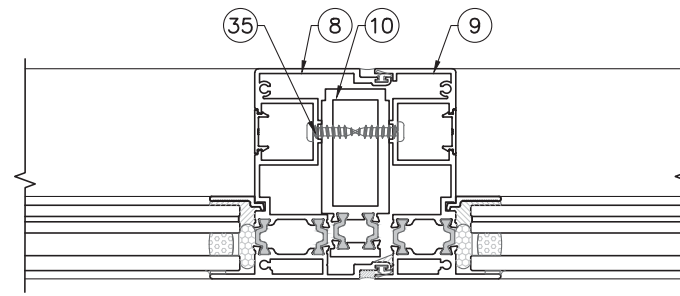
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

August 16th, 2023

SERIES 3500 ALUMINUM FIXED WINDOW - (L.M.I. & S.M.I.)						 MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PKWY. STE. 301 MIRAMAR, FL 33027 P: 305 271 0117 www.MCYEngineering.com mcy@mcyengineering.com					
NR ARCHITECTURAL PRODUCTS, INC. 4348 WESTROAD DRIVE, RIVIERA BEACH, FL 33407 TEL. (561)8441121											
		R3	08.11.2023	James	FBC 2023						
		Rev. No.	Date	Drawn By	Description						
Drawn Date <i>08.11.2023</i>				Scale <i>AS SHOWN</i>							
DRAWING NO.											
AD19-03											
E5											
Sheet No.											
06 OF 21											

CHART 3 - MULLION CAPACITY FOR FX-FX WINDOW

FIXED - FIXED WINDOW MULLION MULLION CAPACITY - PSF			
FRAME WIDTH	FRAME HEIGHT	DESIGN LOAD	
(IN)	(IN)	+/(PSF)	-/(PSF)
60	76.25	65	75
66		65	75
72		65	75
76		65	75
48	78	65	75
54		65	75
60		65	75
66		63	73
72		61	71
42	84	65	75
48		64	73
54		58	67
60		55	63
66		52	60
36	90	65	75
42		61	70
48		55	63
54		50	58
60		46	54
30	96	65	75
36		61	70
42		53	61
48		47	55
54		43	50
60		40	46



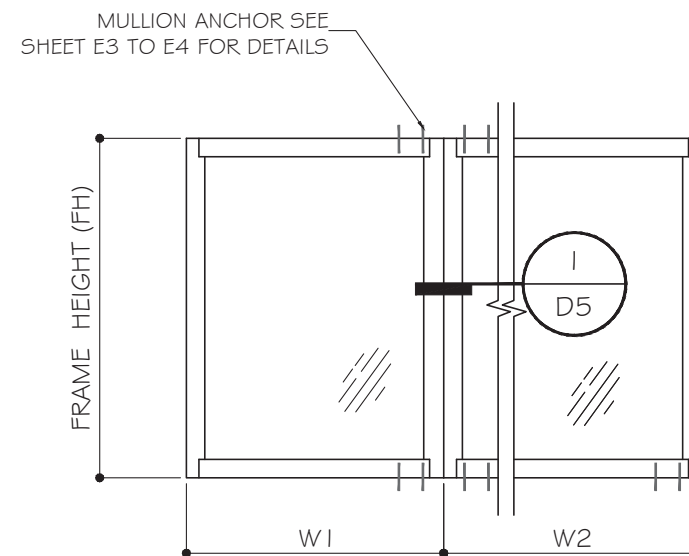
EXTERIOR

FIXED - FIXED MULLION DETAIL

	$I_x(IN^4)$	$S_x(IN^3)$
110-038		
+110-039	3.8697	2.1086
+110-040		

MULLION SECTION PROPERTIES

* PROPERTIES INCLUDE REDUCTION FOR THERMAL BREAK



MULLION SPACING $W = \frac{W1 + W2}{2}$

FIXED WINDOW - FIXED WINDOW OPTION

FL #29107.1

YU-PING WANG, P.E.
FLORIDA REGISTRATION
FL #55983
C.A.N. 28677

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

August 16th, 2023

				R3	08.11.2023	James	FBC 2023
				Rev.	Date	Drawn By	Description
				No.			
Drawn Date 08.11.2023				Scale <i>AS SHOWN</i>			
DRAWING NO. AD19-03							
 M1 							
Sheet No. 07 OF 21							

SERIES 3500 ALUMINUM FIXED WINDOW - (L.M.I. & S.M.I.)

NR ARCHITECTURAL PRODUCTS, INC.
4348 WESTROAD DRIVE,
RIVIERA BEACH, FL 33407
TEL. (561)8441121

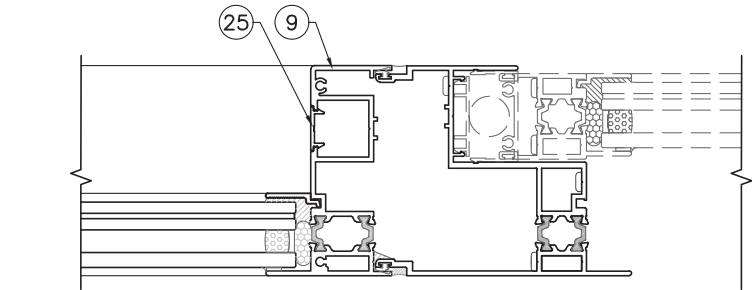
MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL 33027 P: 305 271 0117

www.MCYEngineering.com mcy@mcyengineering.com

CHART 2 - MULLION CAPACITY FOR FX-SH WINDOW

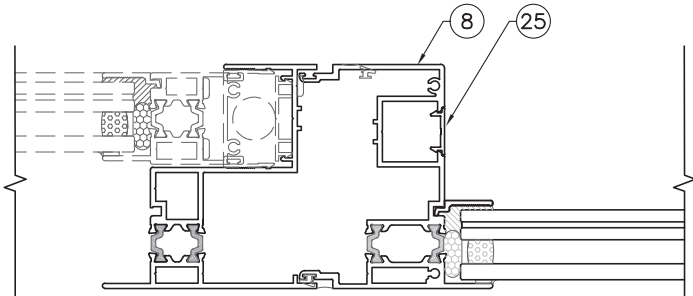
FIXED - SINGLE HUNG WINDOW MULLION MULLION CAPACITY - PSF				
FRAME WIDTH	FRAME WIDTH	FRAME HEIGHT (FH)	W OR W/O REINF.	
SINGLE HUNG(W1)	FIX WINDOW(W2)		CAPACITIES	
(IN)	(IN)	(IN)	+/(PSF)	-(PSF)
36	76.25	66	65	75
42			65	75
48			65	75
54			65	75
60			65	75
36	76.25	72	65	75
42			65	75
48			65	75
54			65	75
36			65	75
42	76.25	76.25	65	75
48			65	75
53.375			65	75
36			65	75
42			65	75
48			65	75
36	72	78	65	75
42			65	75
48			65	75
36			65	75
42			65	71.1
48	54	84	65	66.5
36			65	73.6
42			65	68.8
48			64.5	64.5
36			65	71.7
42	60	90	65	67
48			63	63
36			64.2	64.2
42			59.7	59.7
36			61.3	61.3
42	54	96	57.1	57.1
36			58.9	58.9
42			55	55
36			52.5	52.5
42			48.8	48.8
36	48		50	50
42			46.6	46.6
36			47.9	47.9
42			44.8	44.8
36			44.8	44.8



EXTERIOR
FIXED - SINGLE HUNG MULLION DETAIL
W/O REINF.

	Ix(IN ⁴)	Sx(IN ³)
110-039 +110-048	3.0036	1.4408

MULLION SECTION PROPERTIES
* PROPERTIES INCLUDE REDUCTION FOR THERMAL BREAK



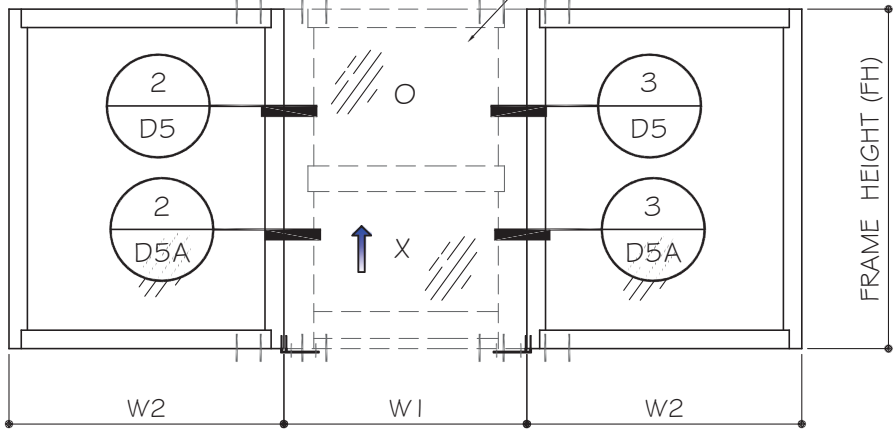
EXTERIOR
SINGLE HUNG - FIXED MULLION DETAIL
W/O REINF.

	Ix(IN ⁴)	Sx(IN ³)
110-038 +110-049	2.9989	4.4044

MULLION SECTION PROPERTIES
* PROPERTIES INCLUDE REDUCTION FOR THERMAL BREAK

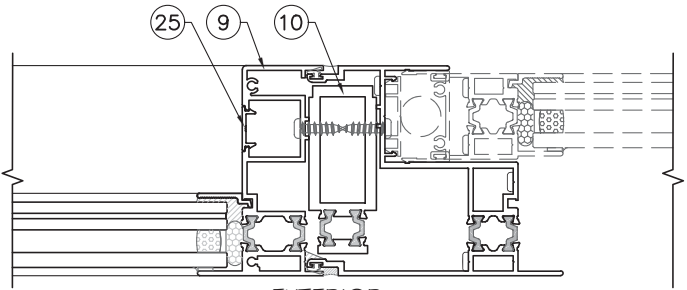
MULLION ANCHOR SEE
SHEET E3 TO E4 FOR DETAILS

"SERIES 3500 SINGLE HUNG
WINDOW" SEE SEPARATE
FLORIDA APPROVAL



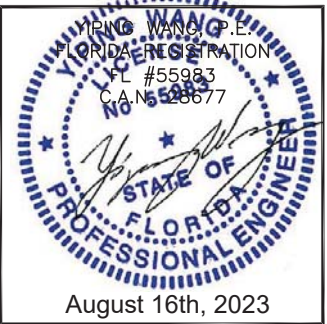
MULLION SPACING $W = \frac{W1 + W2}{2}$

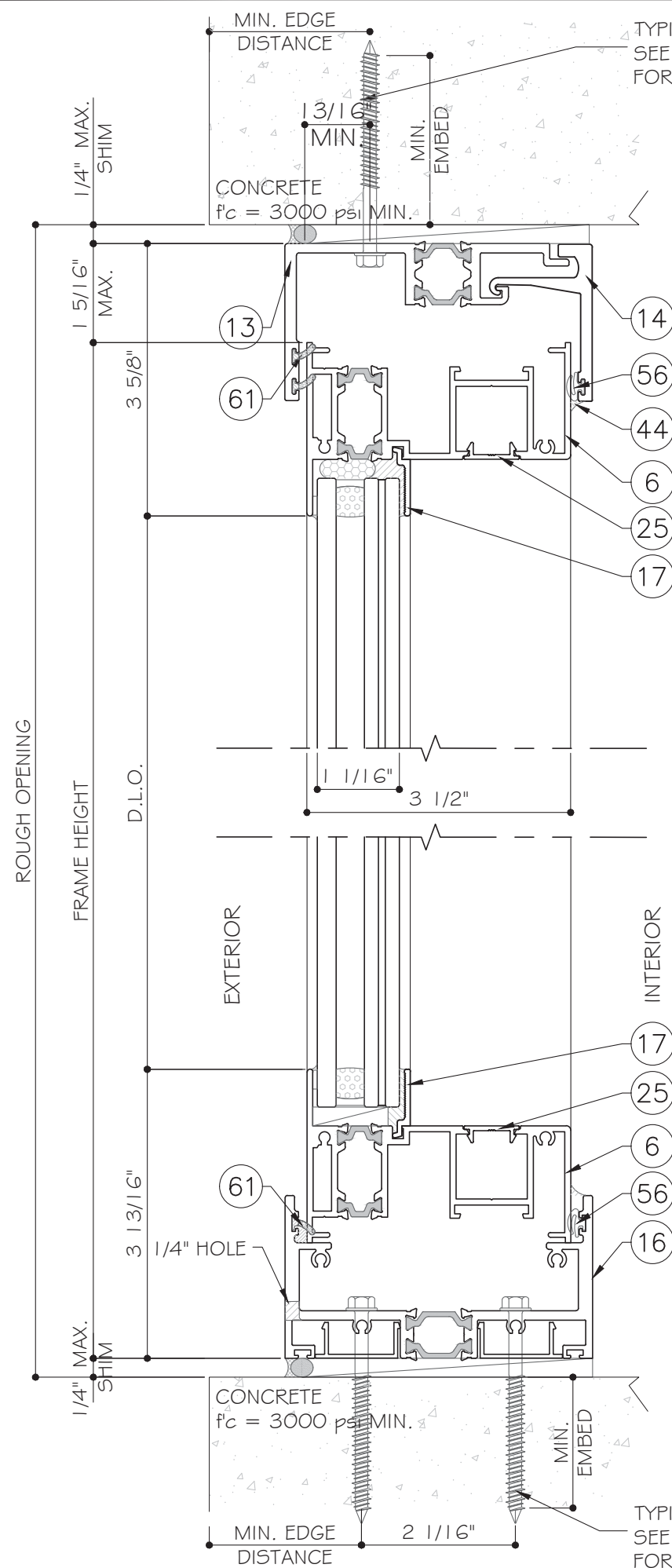
FIXED WINDOW - SINGLE HUNG WINDOW OPTION



EXTERIOR
FIXED - SINGLE HUNG MULLION DETAIL
W/ 110-040 REINF.
USED WITH HEAD RECEPTOR CONDITION

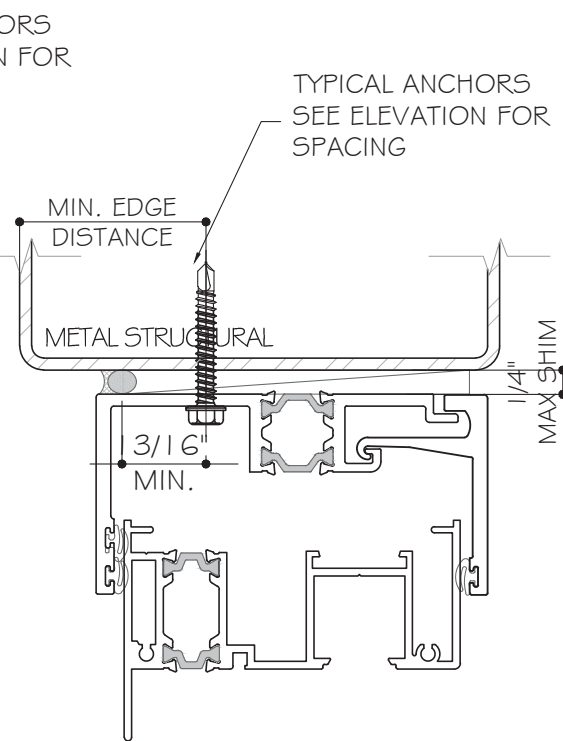
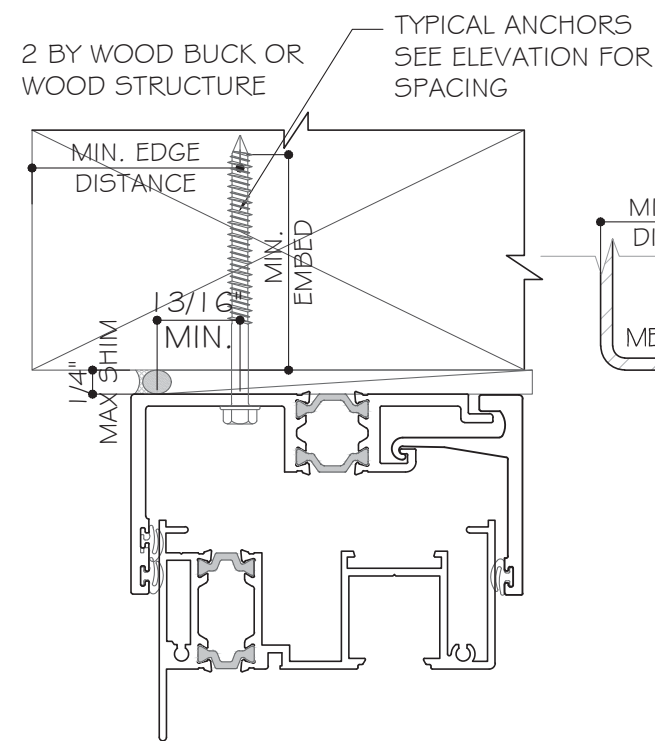
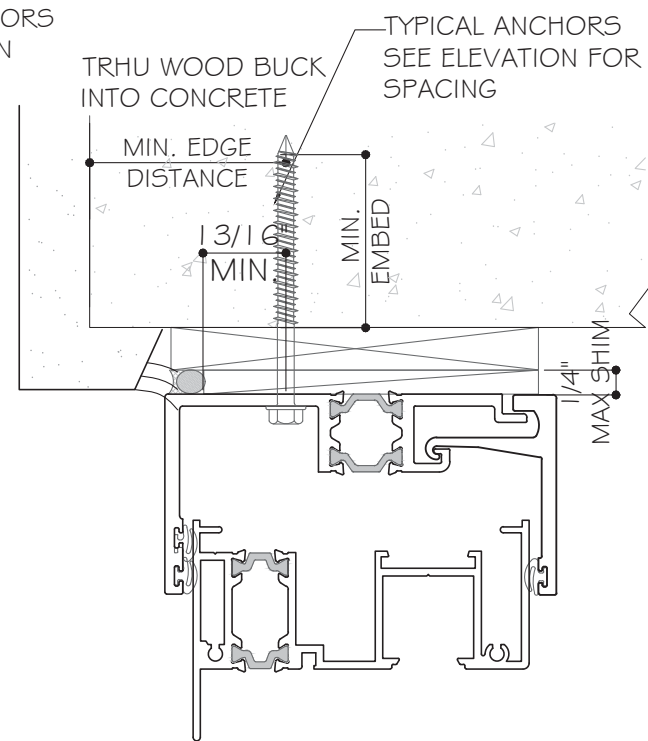
FLORIDA APPROVAL:
FL #29107.1





1 HEAD DETAIL
D1 W/ HEAD RECEPTOR

2 SILL DETAIL
D1 W/ SILL RECEPTOR



1 BY OR 2 BY WOOD BUCKS AND METAL STRUCTURE NOT BY N.R. ARCHITECTURAL GROUP MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS FOR FRAME WITH RECEPTOR:
(SEE ELEVATIONS FOR SPACING)

TYPE AA: 1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u=164$ KSI, $F_y=148$ KSI)
1/4" DIA. TAPCON BY 'ITW' ($F_u=120$ KSI, $F_y=92$ KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES WITH
1-1/2" MIN. PENETRATION INTO WOOD
OR THRU WOOD INTO CONCRETE

TYPE A: 1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u=164$ KSI, $F_y=148$ KSI)
DIRECTLY INTO CONCRETE OR MASONRY
1-3/4" MIN. EMBED INTO CONCRETE OR GROUT FILLED BLOC

TYPE B: 1/4" DIA. TAPCON BY 'ITW' ($F_u=120$ KSI, $F_y=92$ KSI)
DIRECTLY INTO CONCRETE
1-3/4" MIN. EMBED INTO CONCRETE ONLY

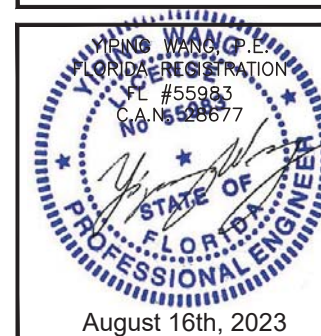
TYPE C: #14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
INTO METAL STRUCTURES
STEEL: 1/8" THK. MIN. (A36 MIN.)
ALUMINUM: 1/8" THK. MIN. (6063-T6 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE
INTO CONCRETE AND GROUT FILLED BLOCK = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD OR JAMB SG=0.55 MIN.
CONCRETE AT HEAD, SILL & JAMB $f_c=3000$ PSI
GROUT FILLED BLOCK $f_c=2000$ PSI MIN. AT JAMB ONLY

FRAME W/ RECEPTOR

FLORIDA APPROVAL:
FL #29107.1



SERIES 3500 ALUMINUM FIXED WINDOW - (L.M.I. & S.M.I.)

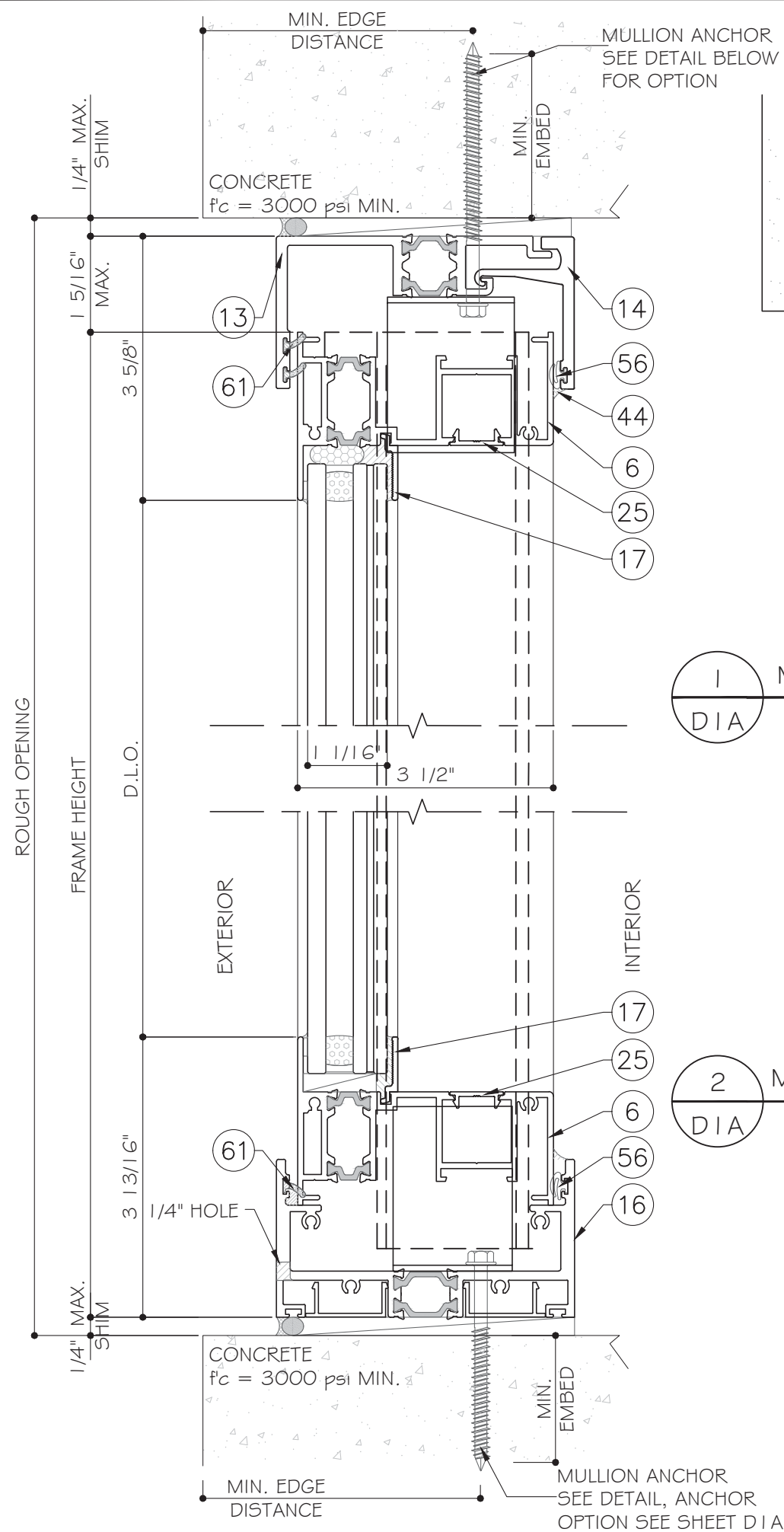
NR ARCHITECTURAL PRODUCTS, INC.
4348 WESTROAD DRIVE,
RIVIERA BEACH, FL 33407
TEL. (561)8441121

Rev. No.	Date	Drawn By	Description
R3	08.11.2023	James	FBC 2023
Drawn Date	08.11.2023	Scale	
DRAWING NO.			
AD19-03			
D1			
Sheet No.			
09 OF 21			

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

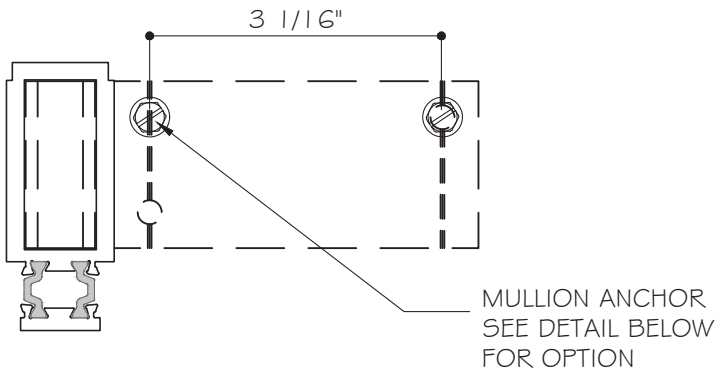
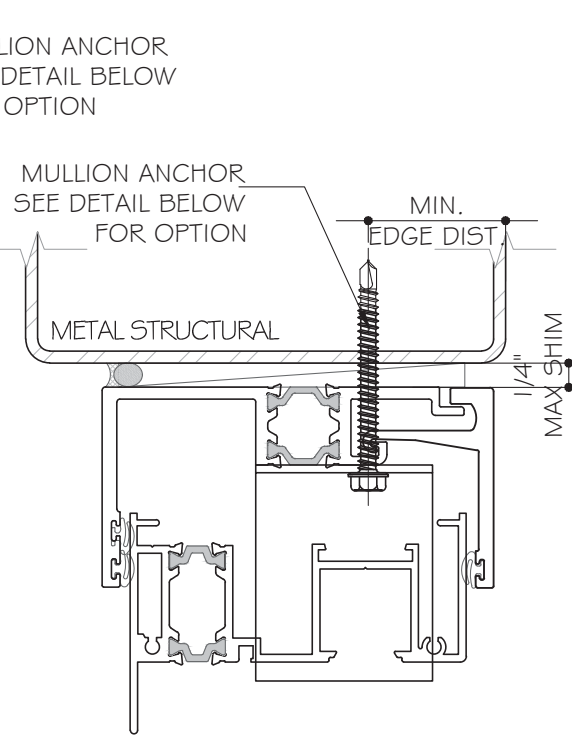
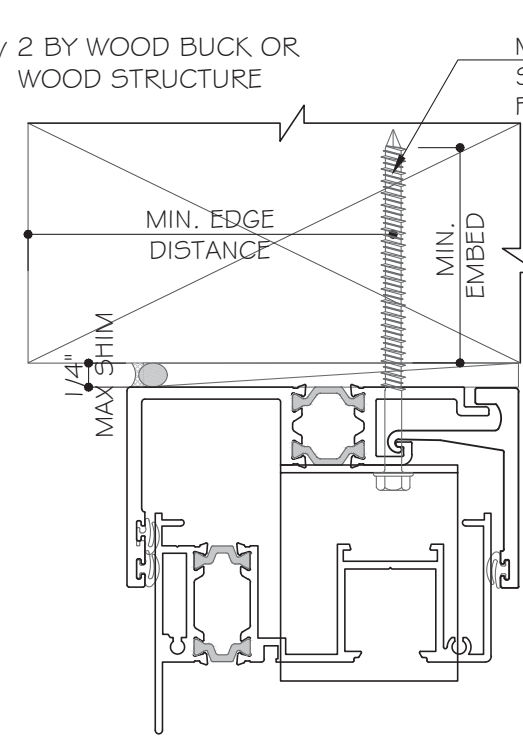
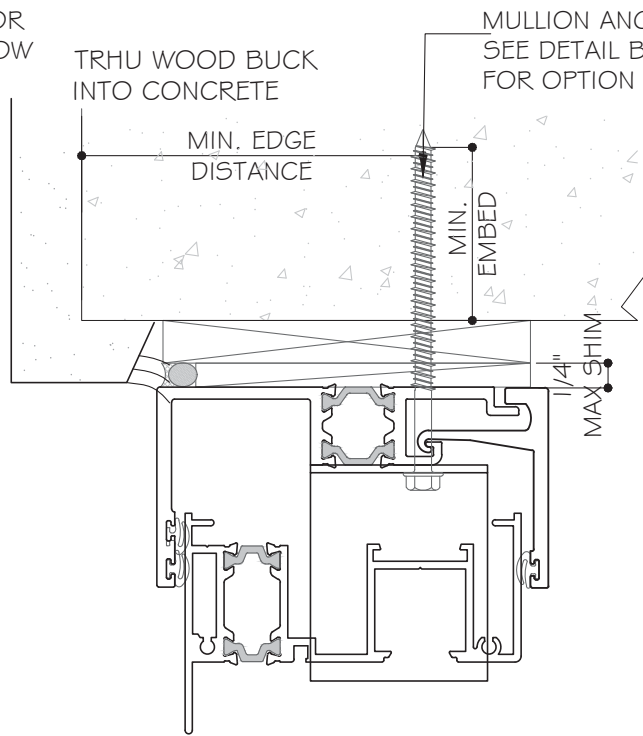
12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL 33027

P. 305 271 0117
www.MCYEngineering.com
mcy@mcysengineering.com



1 MULLION HEAD ANCHOR
DIA W/ HEAD RECEPTOR

2 MULLION SILL DETAIL
DIA W/ SILL RECEPTOR



MULLION ANCHOR:

TYPE AAM: 5/16" DIA. ULTRACON BY 'DEWALT' ($F_u = 177$ KSI, $F_y = 155$ KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES WITH
1-1/2" MIN. PENETRATION INTO WOOD
OR THRU WOOD INTO CONCRETE

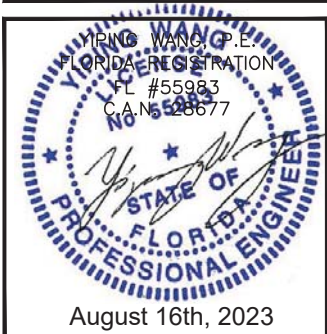
TYPE AM: 5/16" DIA. ULTRACON BY 'DEWALT' ($F_u = 177$ KSI, $F_y = 155$ KSI)
DIRECTLY INTO CONCRETE
1-3/4 MIN. EMBED INTO CONCRETE

TYPE CM: #14 TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
INTO METAL STRUCTURES
STEEL: 1/8" THK. MIN. (A36 MIN.)
ALUMINUM: 1/8" THK. MIN. (6063-T6 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE
INTO CONCRETE = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1 1/2" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD OR JAMB SG=0.55 MIN.
CONCRETE AT HEAD, SILL & JAMB $f'_c = 3000$ PSI
GROUT FILLED BLOCK $f'_c = 2000$ PSI MIN.

FLORIDA APPROVAL:
FL #29107.1



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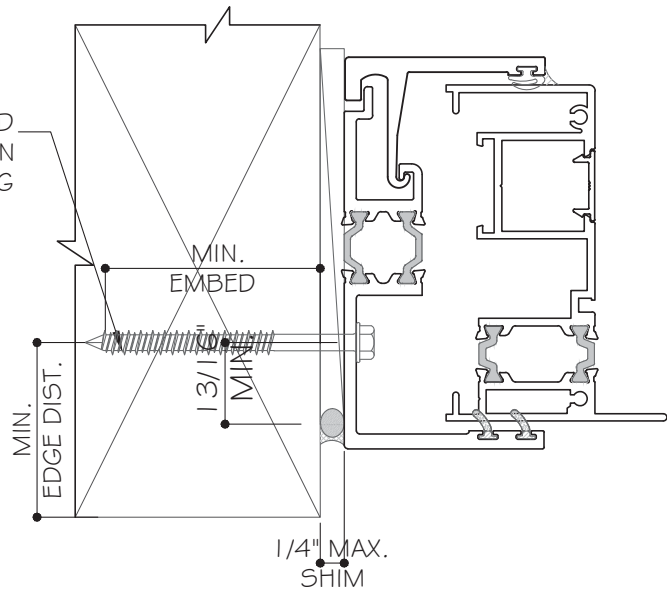
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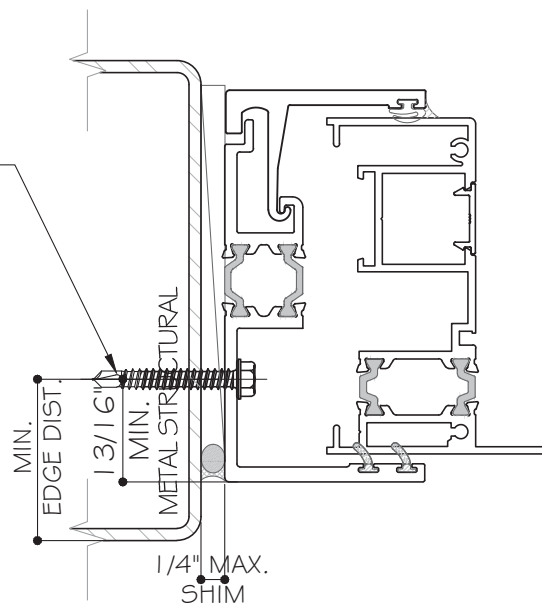
Sheet No. 10 OF 21

SEE SHEET D1 FOR
APPROVED ANCHOR OPTIONS

TYPICAL ANCHOR AT HEAD
RECEPTOR SEE ELEVATION
FOR SPACING



TYPICAL ANCHOR AT HEAD
RECEPTOR SEE ELEVATION
FOR SPACING



FRAME W/ RECEPTOR

FLORIDA APPROVAL:
FL #29107.1

YOUNG WANG P.E.
FLORIDA REGISTRATION
FL #55983
CA #528677

August 16th, 2023

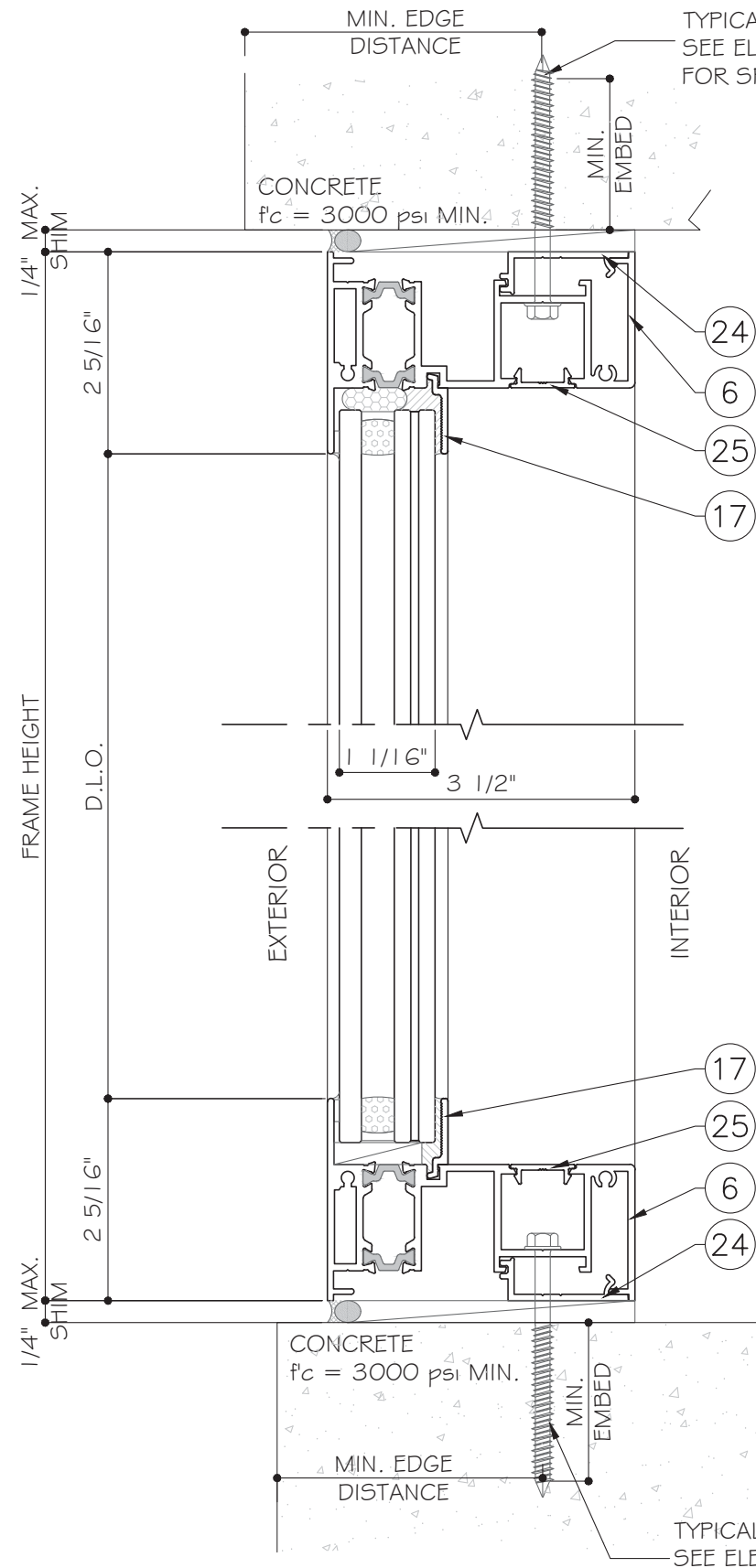
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SERIES 3500 ALUMINUM FIXED WINDOW - (L.M.I. & S.M.I.)

NR ARCHITECTURAL PRODUCTS, INC.
4348 WESTROAD DRIVE,
RIVIERA BEACH, FL 33407
TEL. (561)8441121

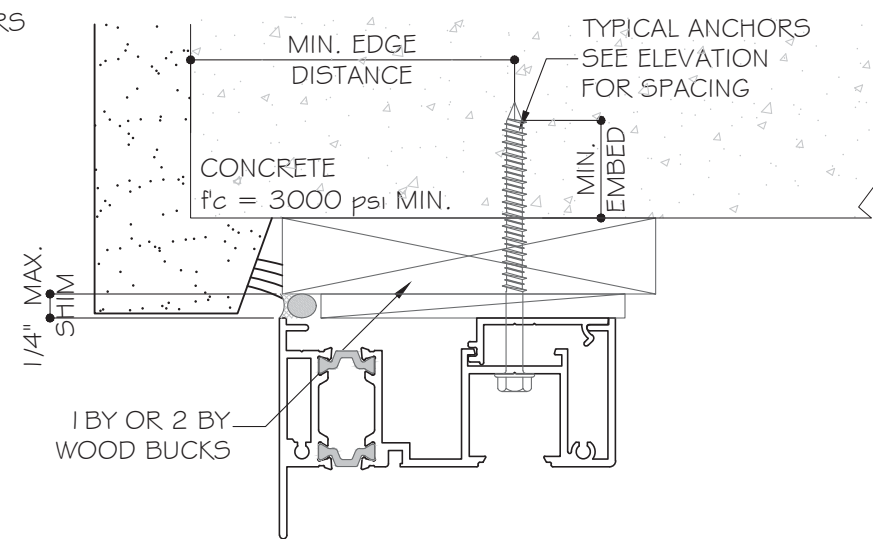
MCY ENGINEERING, INC.
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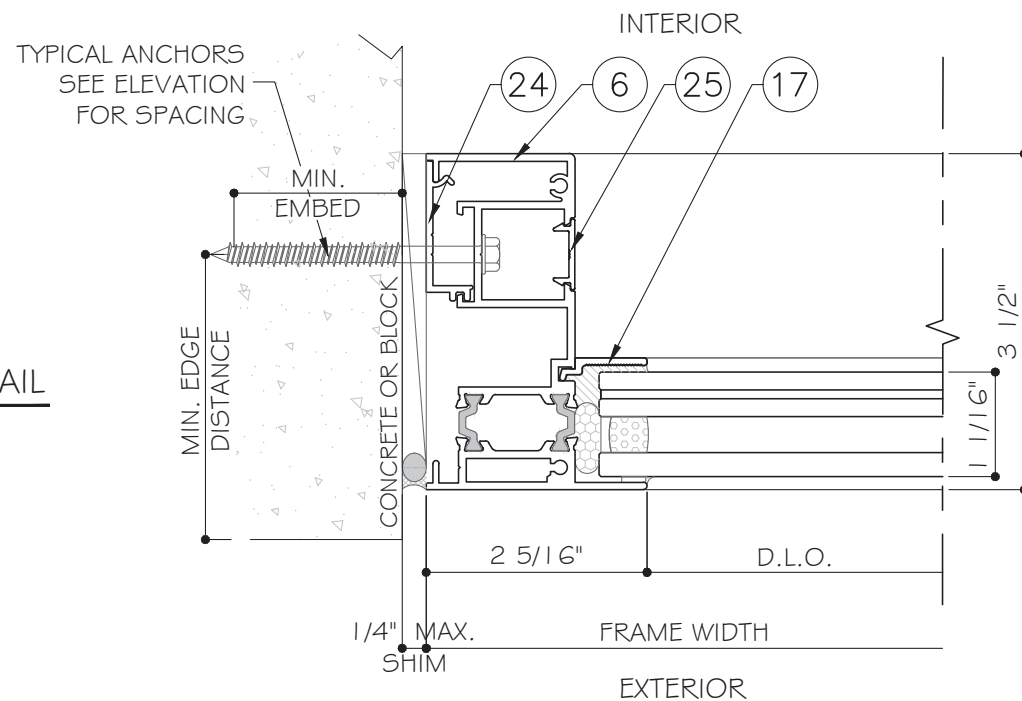


1
D3 HEAD DETAIL

2
D3 SILL DETAIL

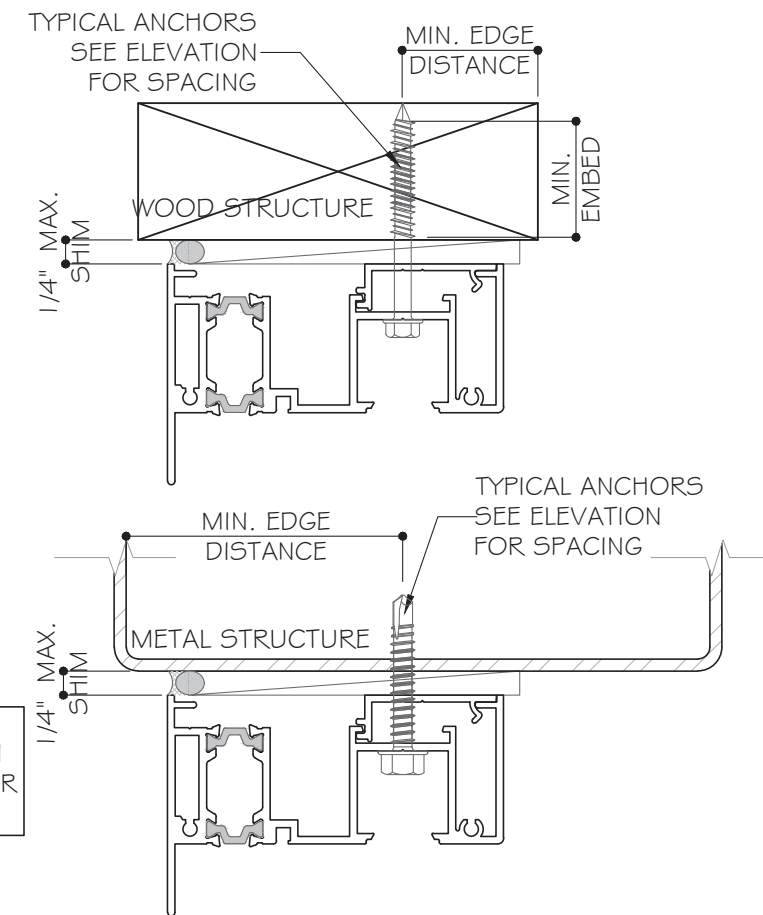


1 BY OR 2 BY WOOD BUCKS AND METAL STRUCTURE NOT BY N.R. ARCHITECTURAL GROUP MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.



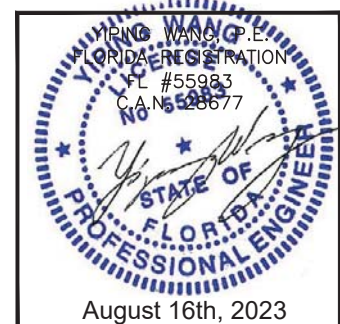
3
D3 JAMB DETAIL

SEE SHEET D7 FOR APPROVED ANCHOR OPTIONS



DIRECT ANCHOR

FLORIDA APPROVAL:
FL #29107.1



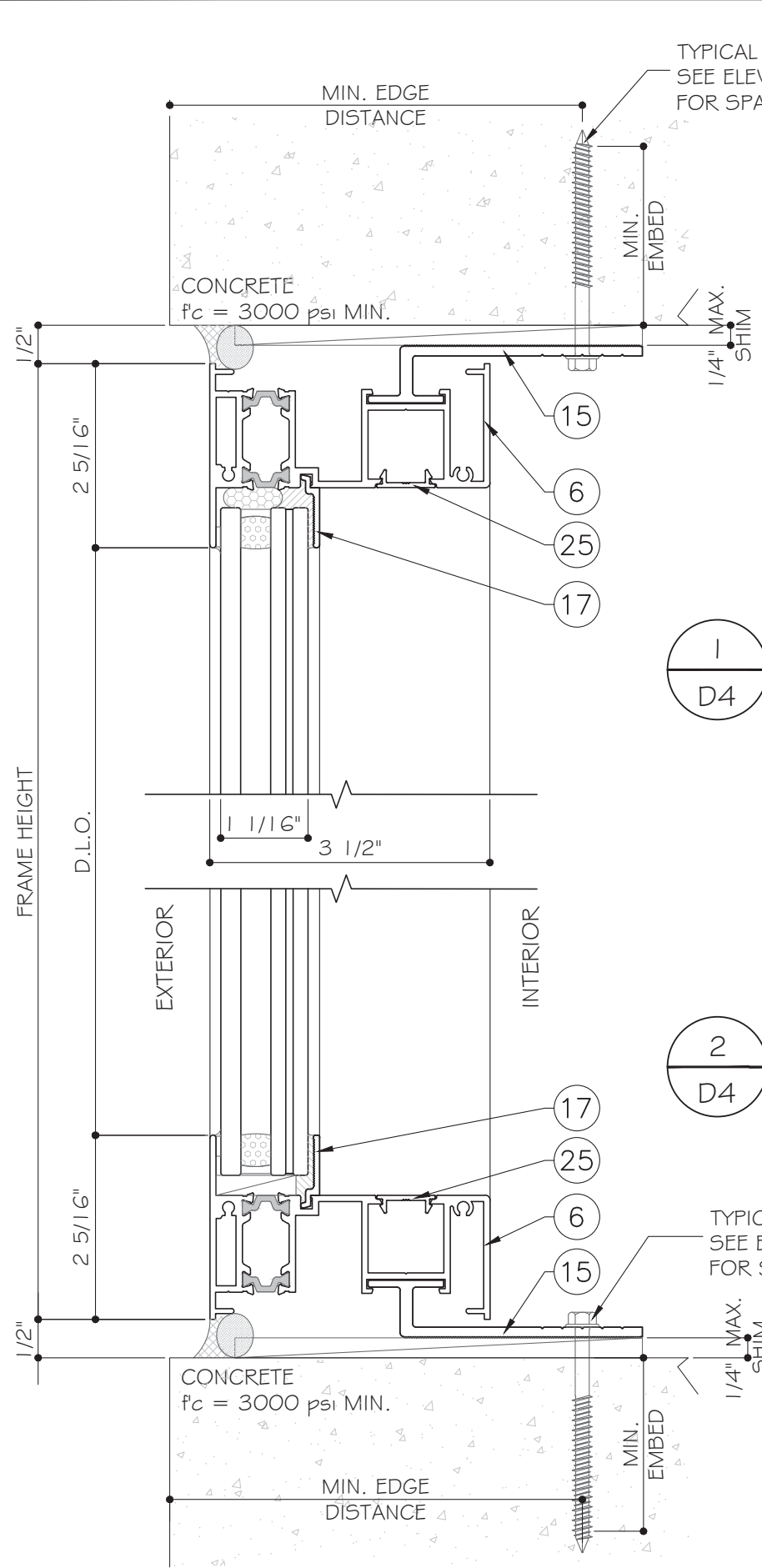
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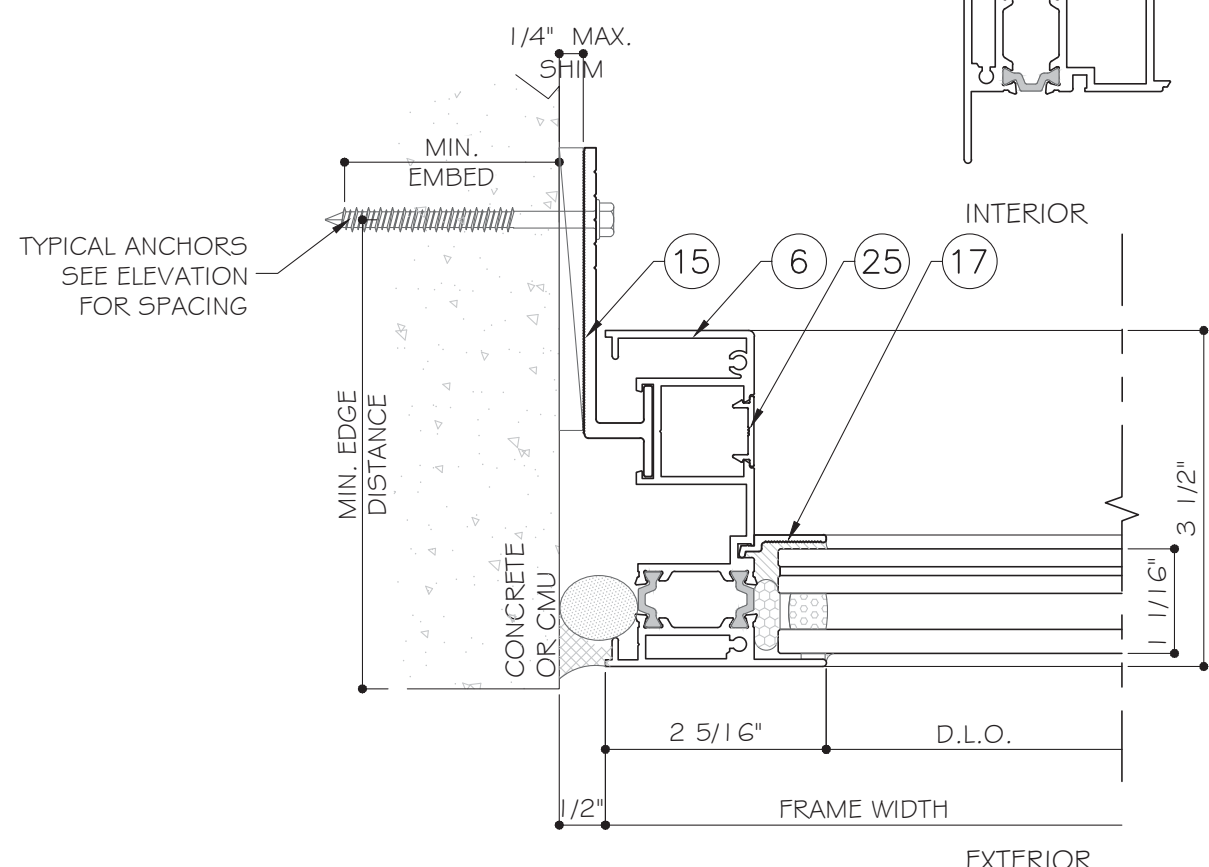
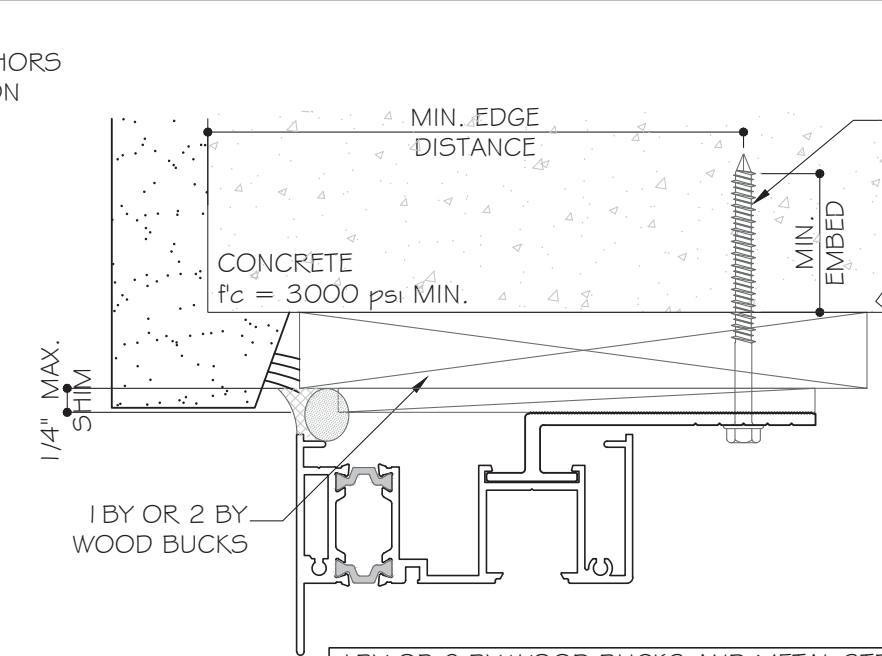
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Drawn Date	08.11.2023	Scale	
DRAWING NO.			
AD19-03			
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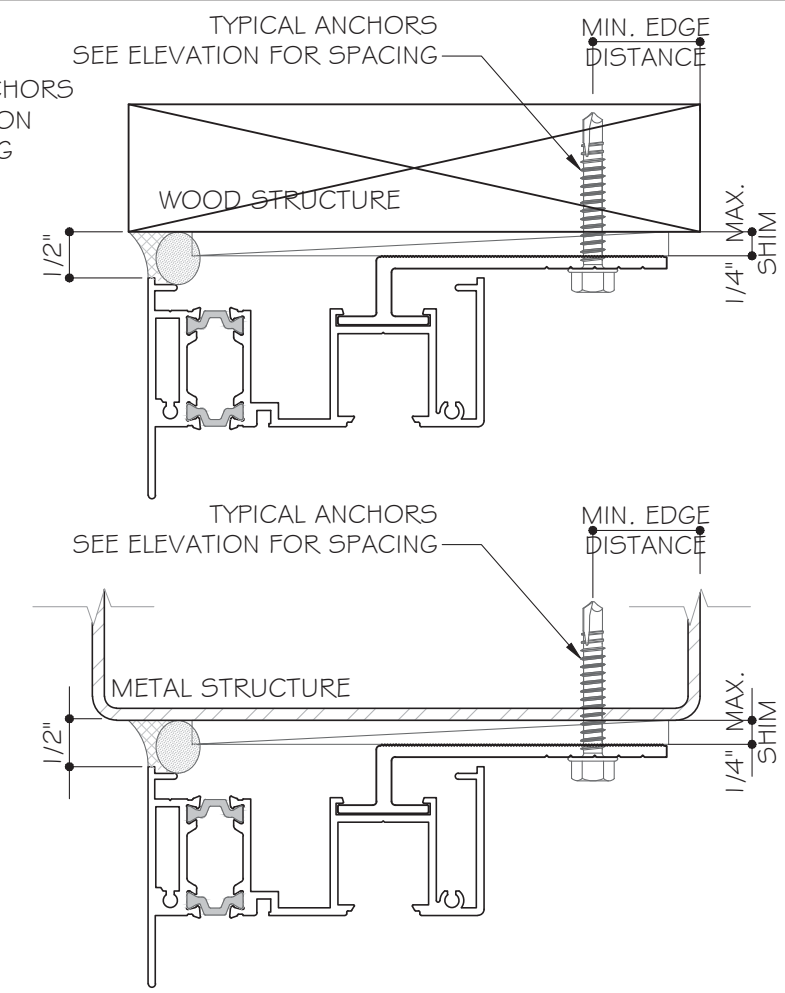
1 HEAD DETAIL
D4 W/ T-CLIP

2 SILL DETAIL
D4 W/ T-CLIP

SEE SHEET D7 FOR APPROVED ANCHOR OPTIONS

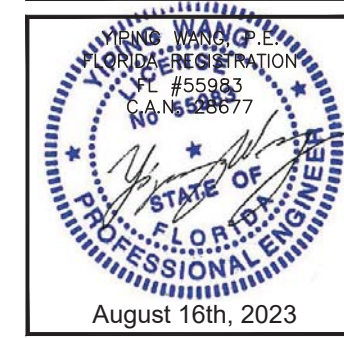


3 JAMB DETAIL
D4 W/ T-CLIP



FRAME W/ F-CLIP

FLORIDA APPROVAL:
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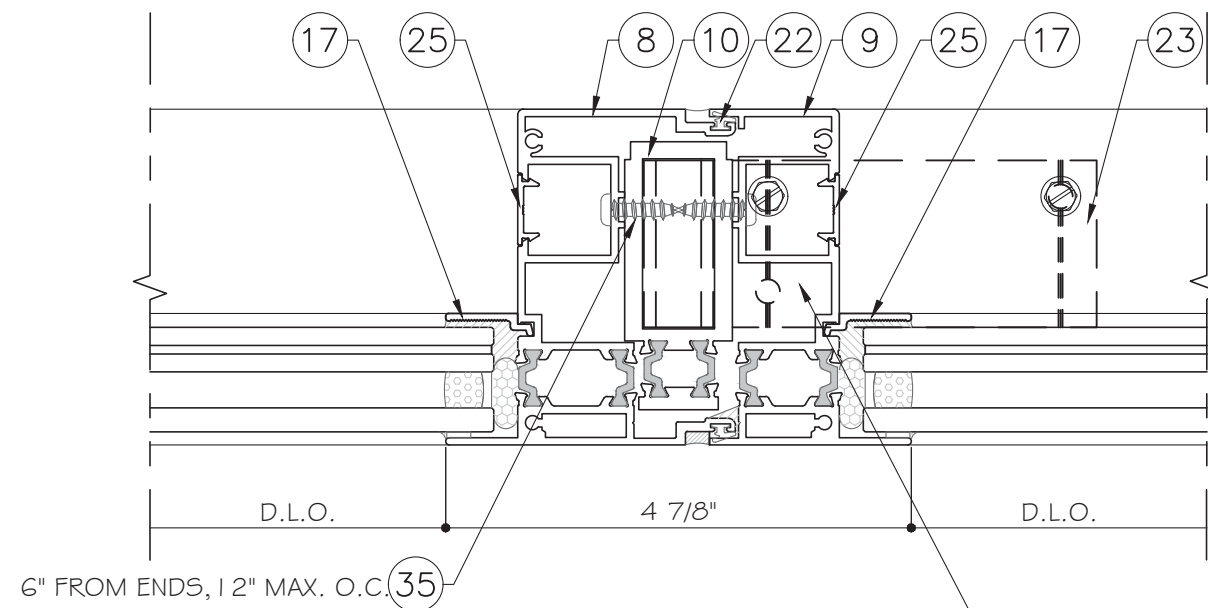
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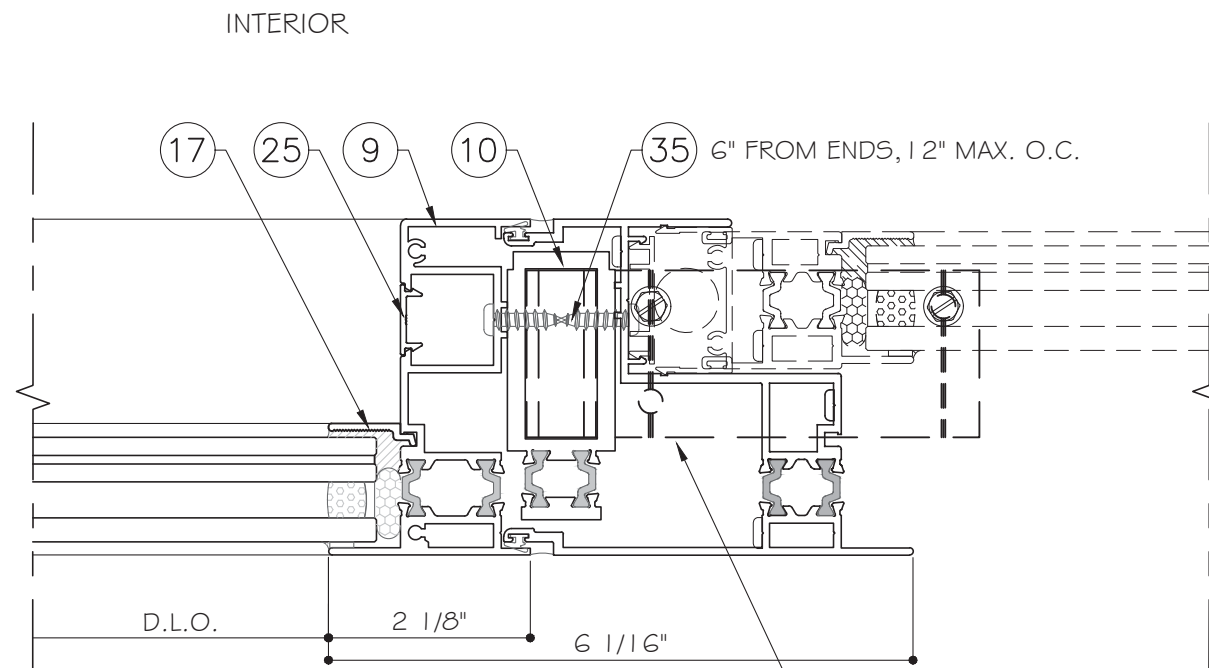
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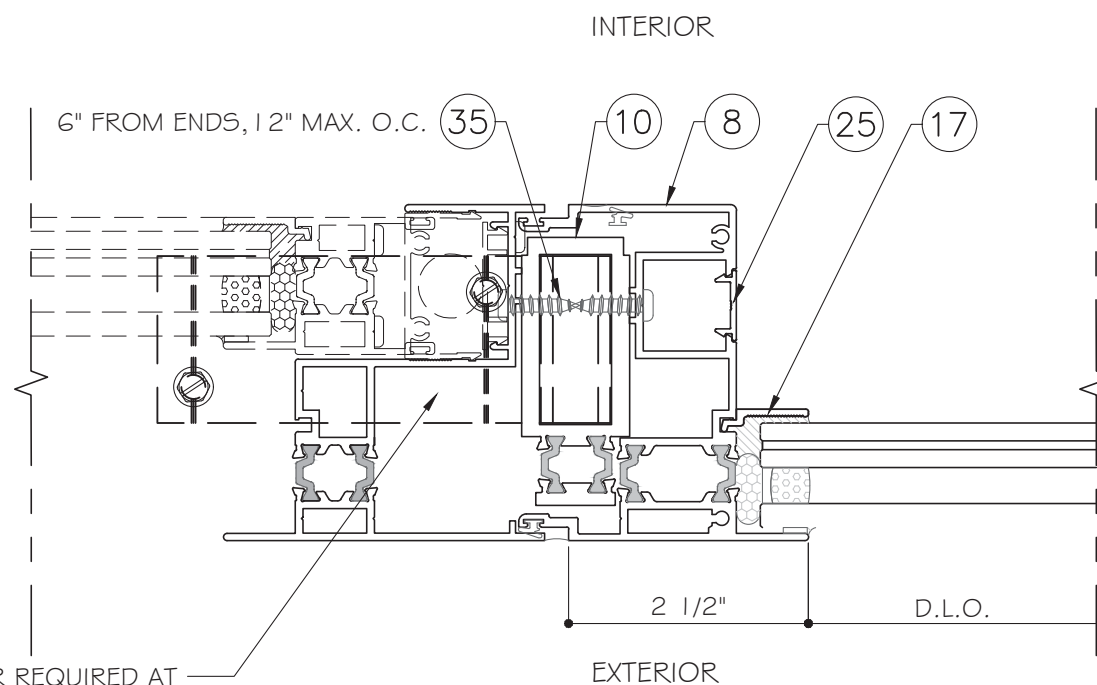
1 MULLION DETAIL
D5 FIXED - FIXED

CLIP ANCHOR REQUIRED AT TOP & BOTTOM FOR CONDITION WITH HEAD/SILL RECEPTOR, SEE D1A FOR ANCHOR LAYOUT & TYPES



2 MULLION DETAIL
D5 FIXED - SINGLE HUNG

CLIP ANCHOR REQUIRED AT TOP & BOTTOM FOR CONDITION WITH HEAD/SILL RECEPTOR, SEE D1A FOR ANCHOR LAYOUT & TYPES



3 MULLION DETAIL
D5 SINGLE HUNG-FIXED

CLIP ANCHOR REQUIRED AT TOP & BOTTOM FOR CONDITION WITH HEAD/SILL RECEPTOR, SEE D1A FOR ANCHOR LAYOUT & TYPES

MULLION DETAILS FOR SYSTEM WITH RECEPTOR

SEE SHEET D7 FOR APPROVED ANCHOR OPTIONS

FLORIDA APPROVAL:
FL #29107.1

YOUNG WANG P.E.
FLORIDA REGISTRATION
FL #55983
CAN #528677
August 16th, 2023

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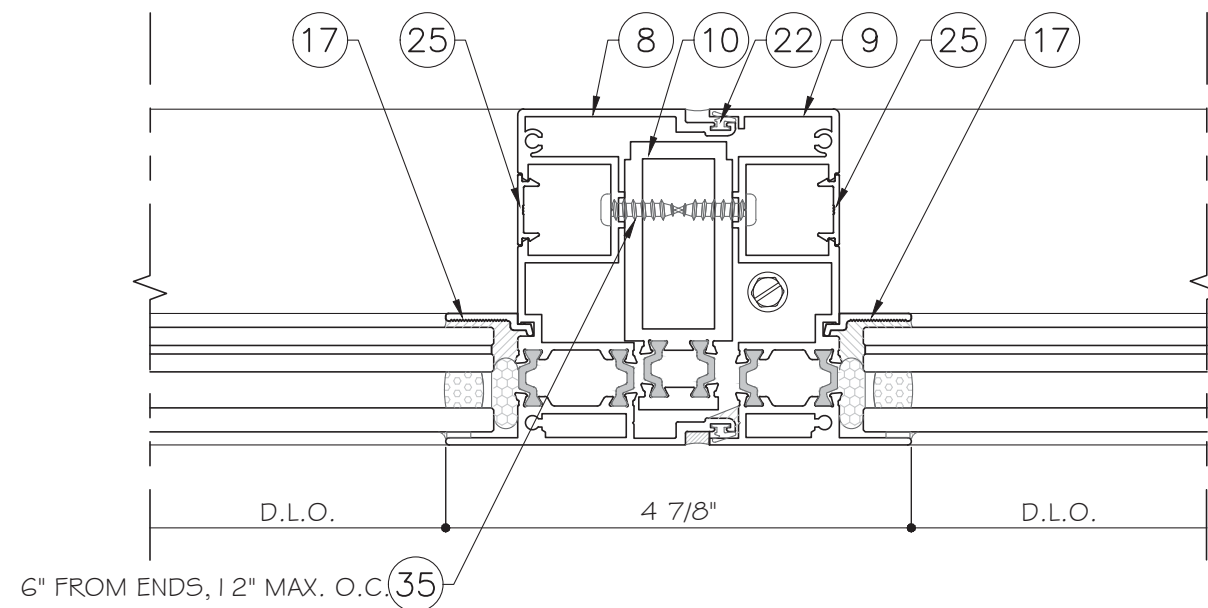
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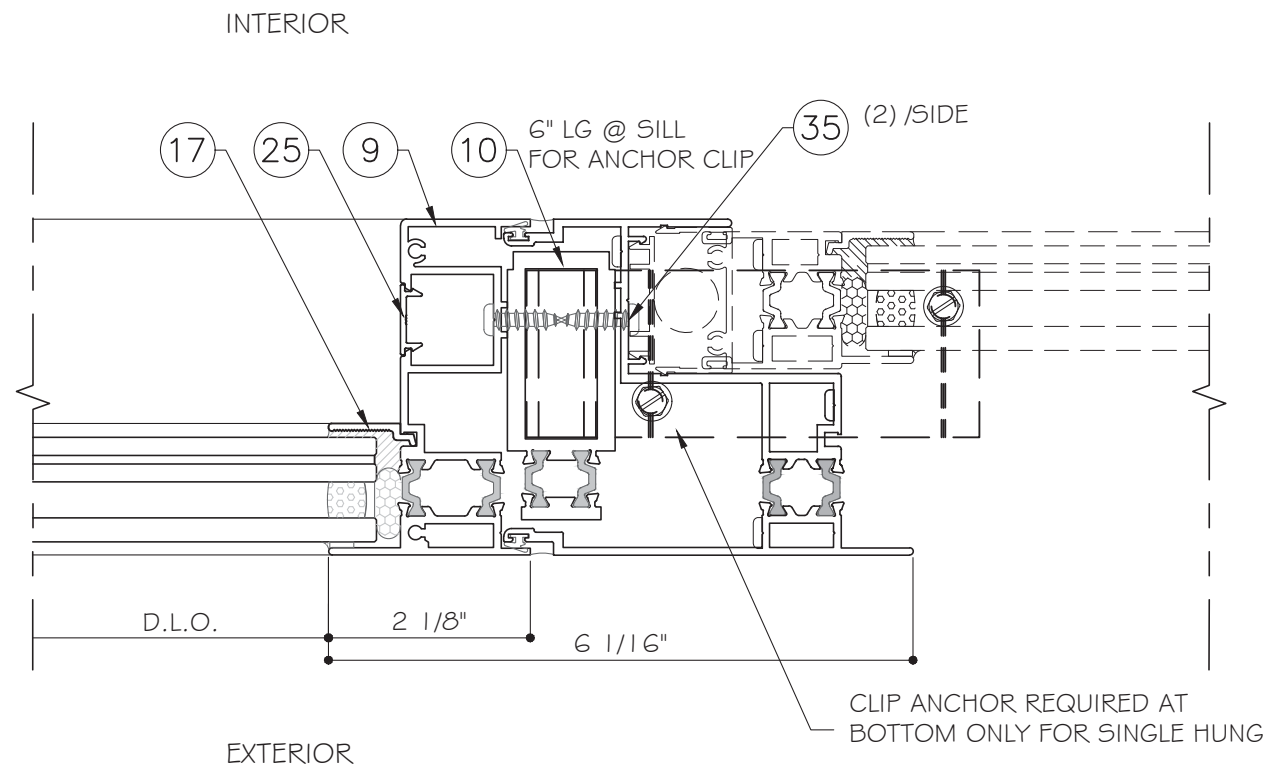
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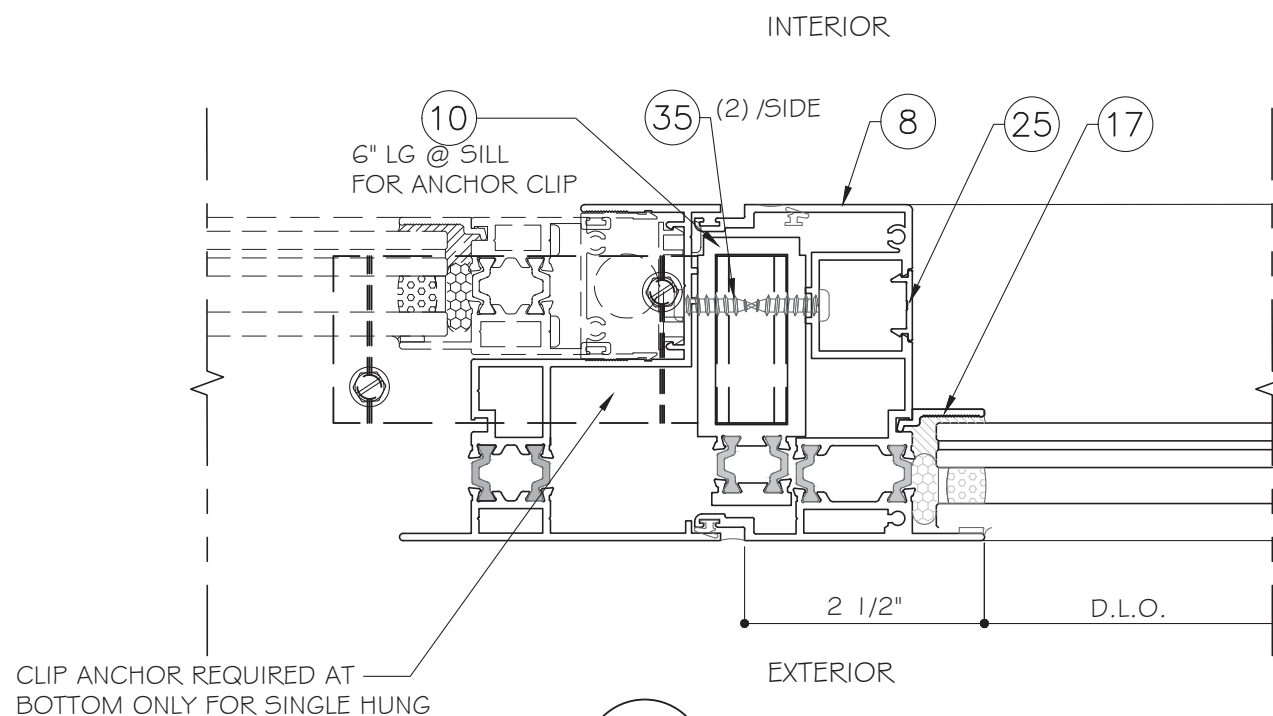
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1 MULLION DETAIL
D5A FIXED - FIXED



2 MULLION DETAIL AT SILL
D5A FIXED - SINGLE HUNG



3 MULLION DETAIL AT SILL
D5A SINGLE HUNG-FIXED

MULLION DETAILS FOR SYSTEM
WITH DIRECT ANCHOR OR F-CLIP
ANCHOR CONDITION

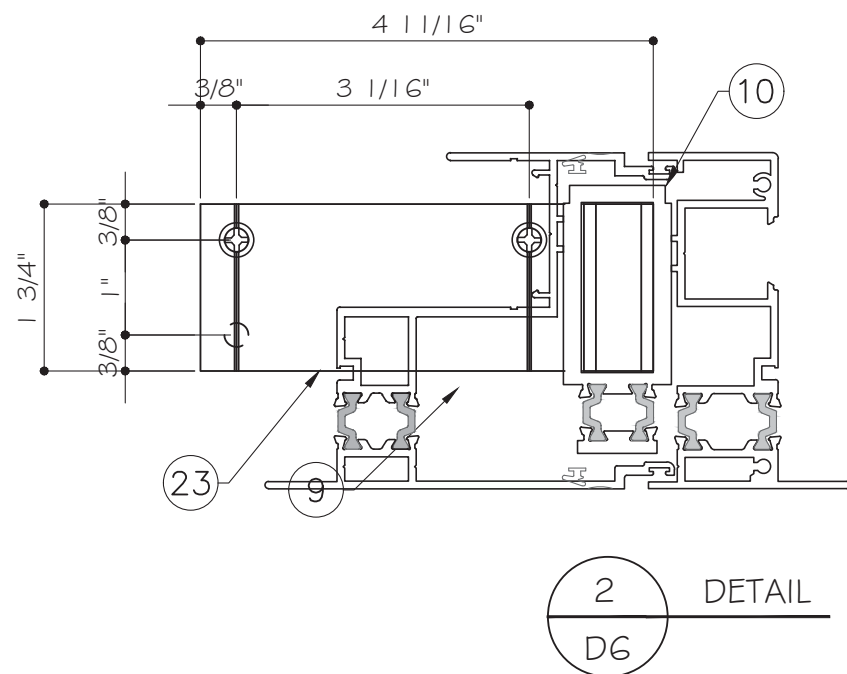
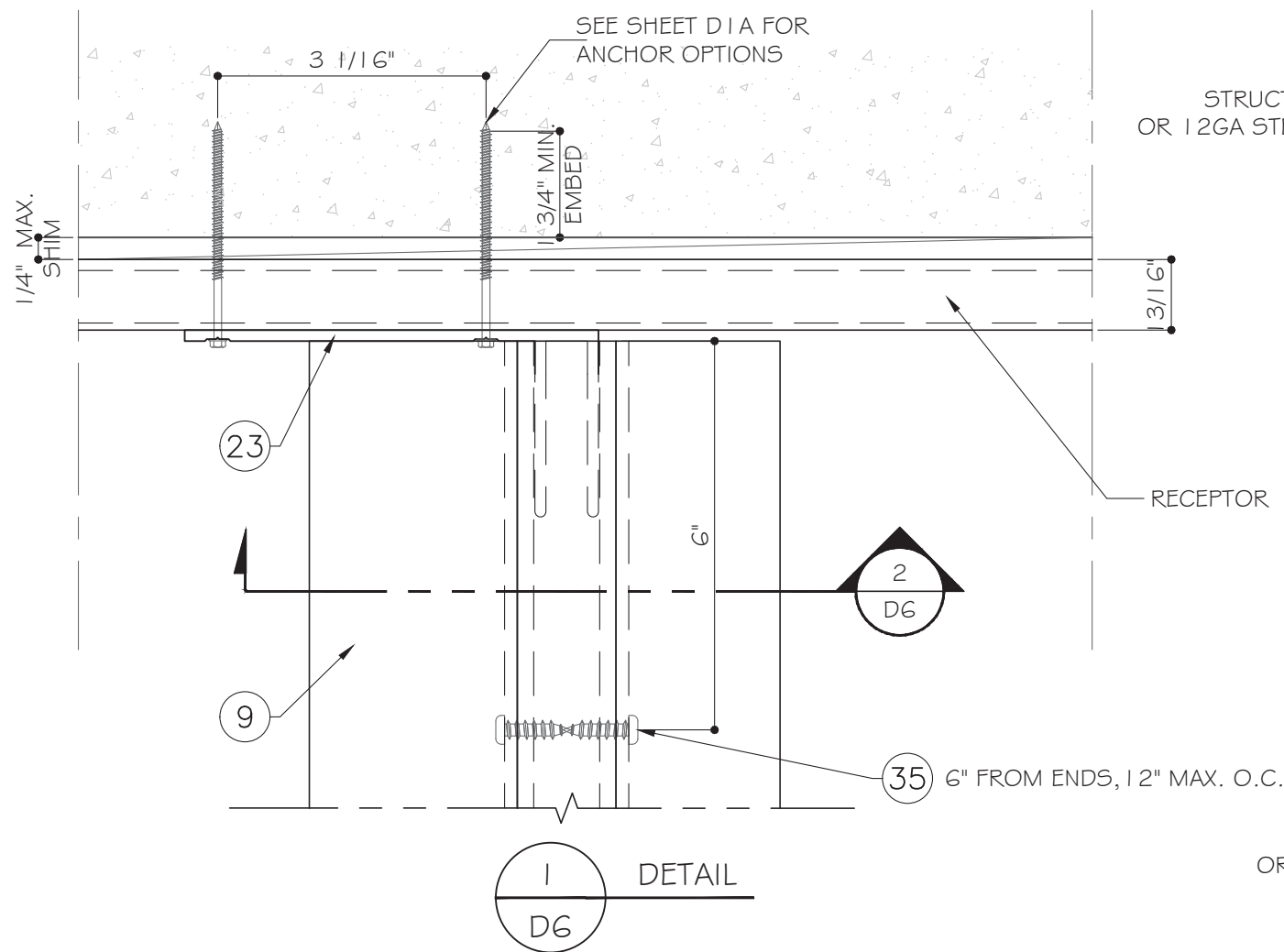
SEE SHEET D7 FOR APPROVED
ANCHOR OPTIONS

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CA #528677
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Sheet No. 15 OF 21			

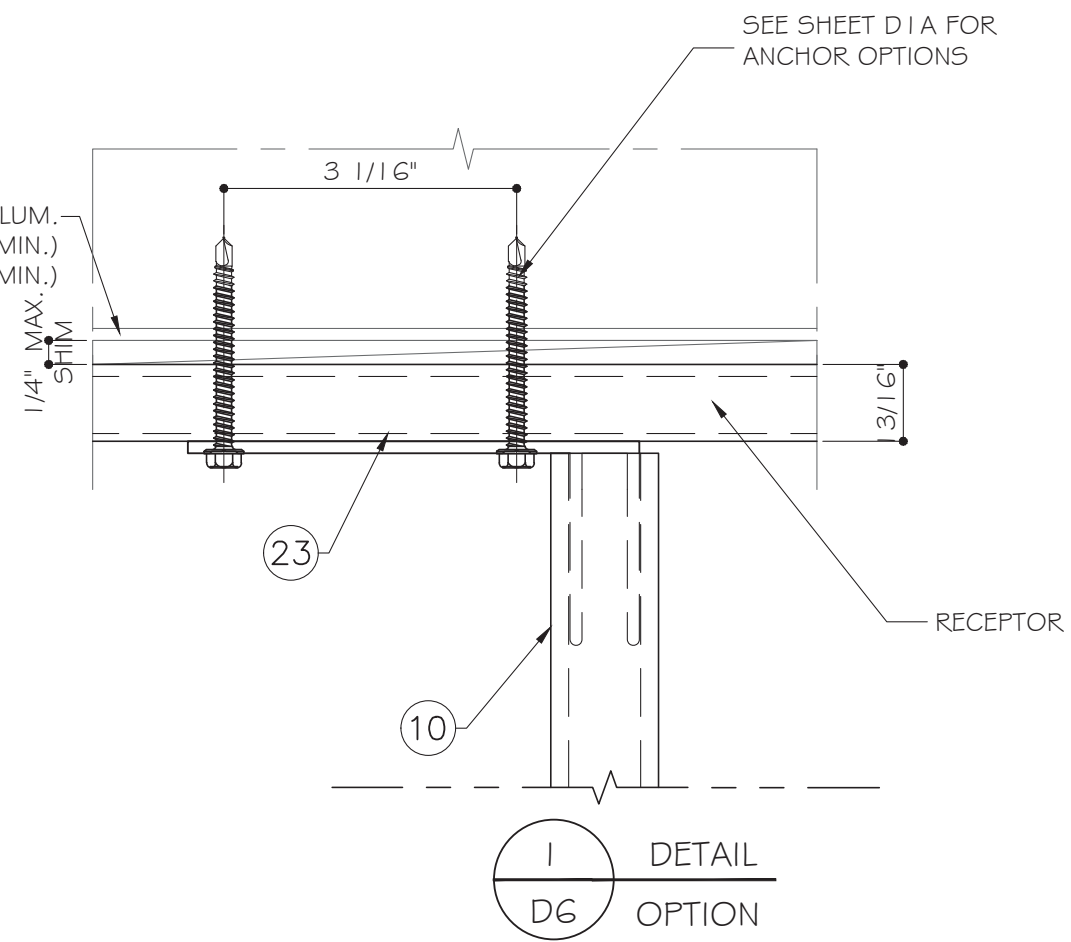
ANCHOR DETAIL FOR FX-FX OR SH-FX MULLION W/ REINF.
(WITH HEAD OR SILL RECEPTORS)



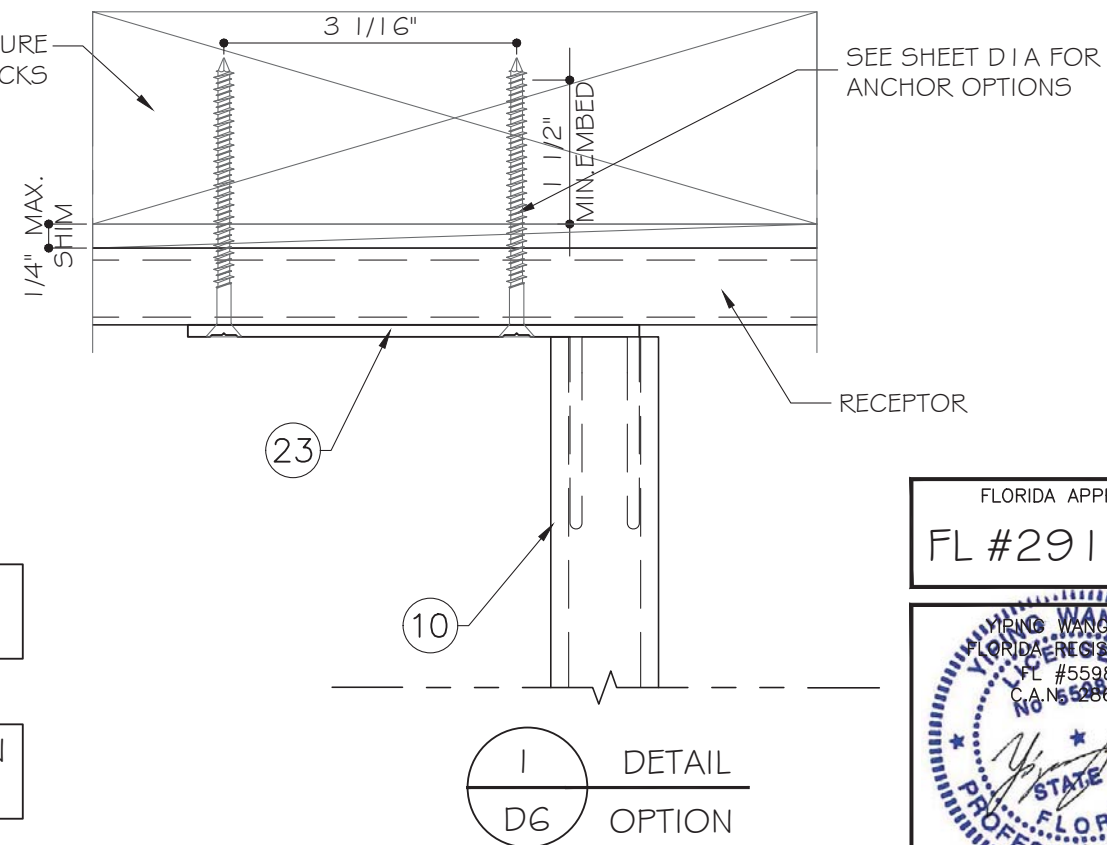
MULLION SILL ANCHOR SAME AS TOP ANCHOR

SEE SHEET D1A FOR MULLION ANCHOR OPTIONS

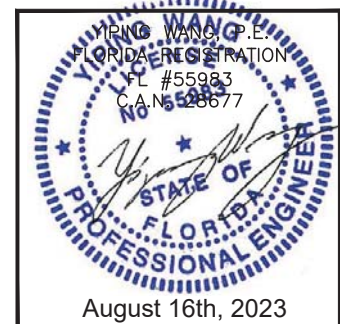
1/8" THK. ALUM. STRUCTURE (6063-T5 MIN.) OR 12GA STEEL (Fy=36 KSI MIN.)



WOOD STRUCTURE OR 2BY WOOD BUCKS



FLORIDA APPROVAL:
FL #29107.1



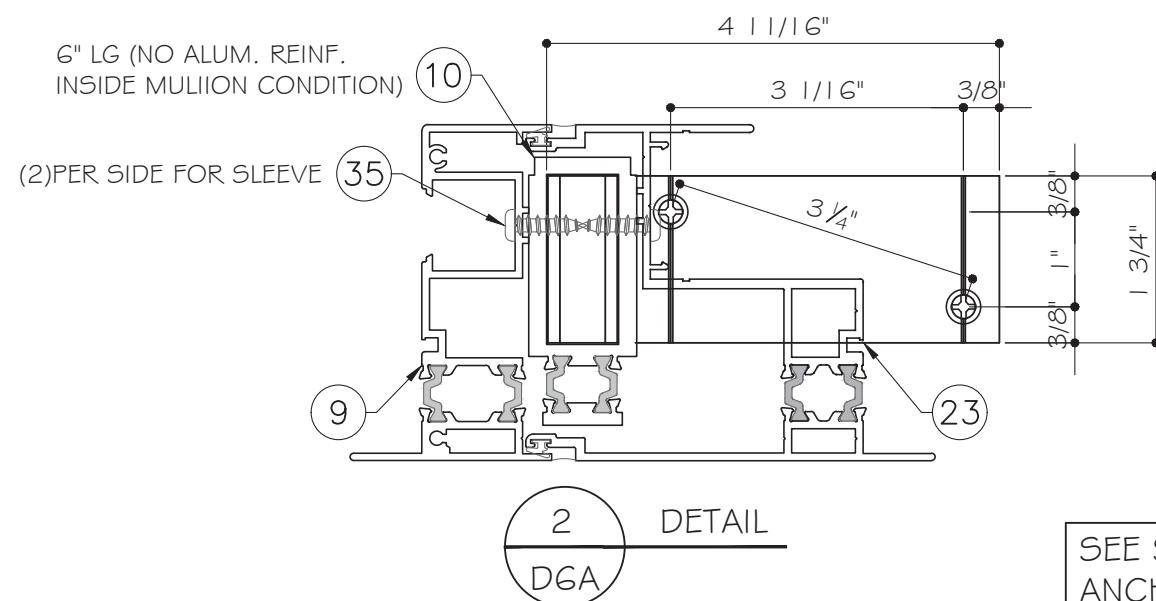
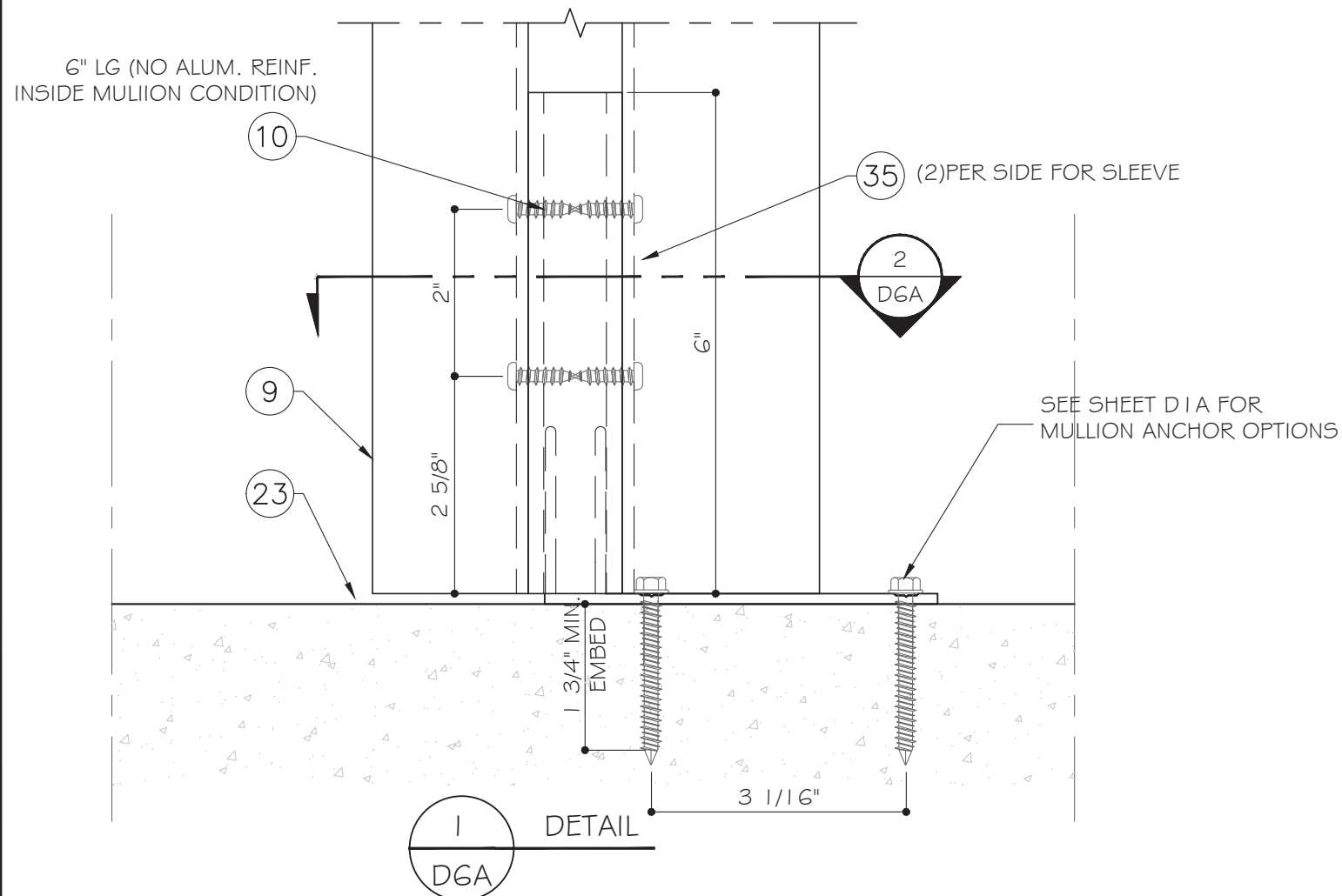
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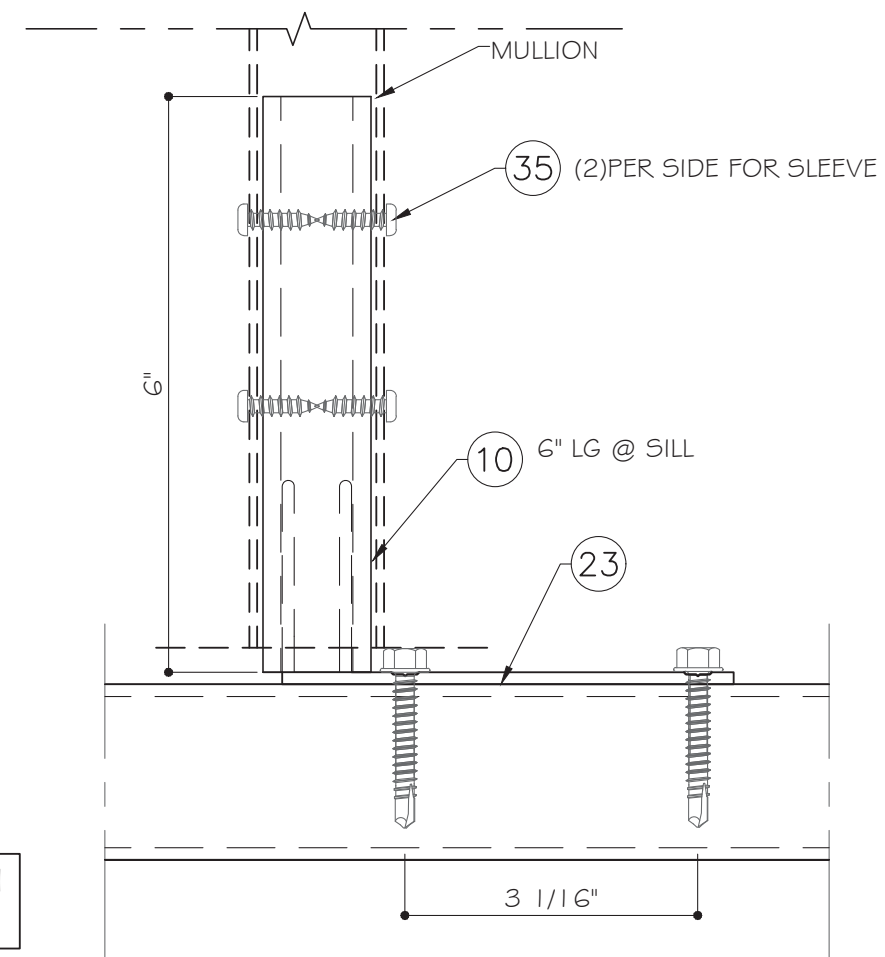
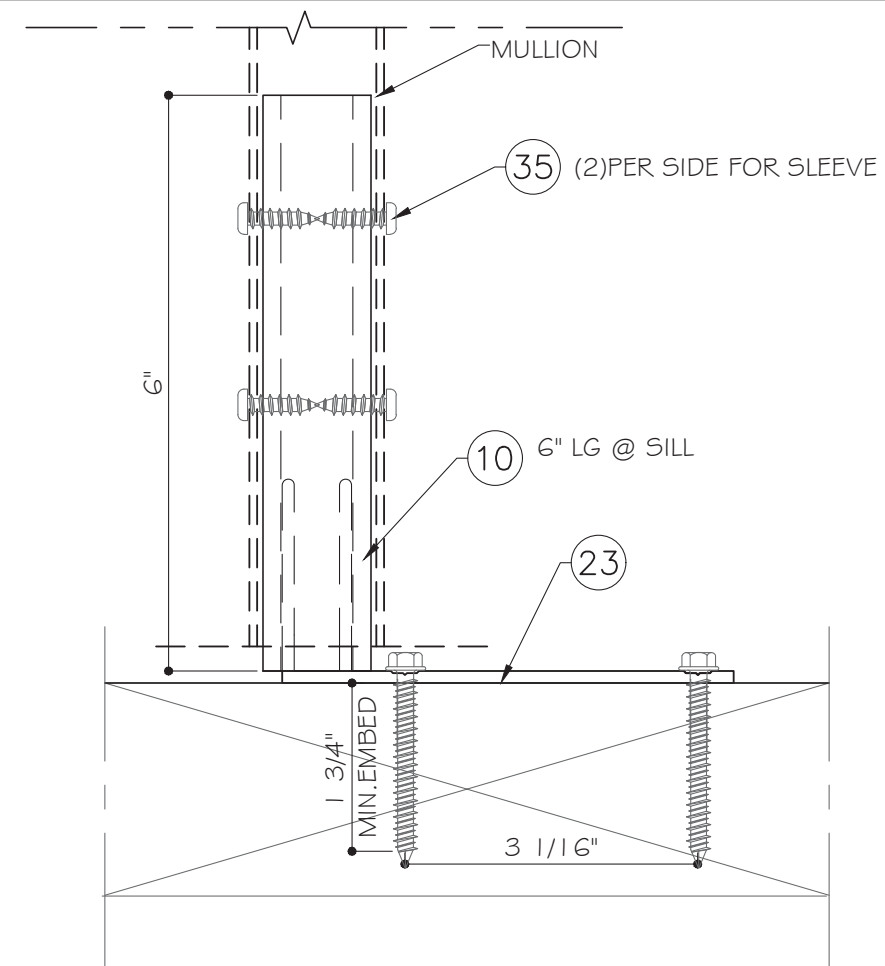
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R3	08.11.2023	James	FBC 2023
Drawn Date	08.11.2023	Scale	
DRAWING NO. AD19-03			
D6			
Sheet No. 16 OF 21			

ANCHOR DETAIL FOR SH-FX MULLION SILL DETAIL

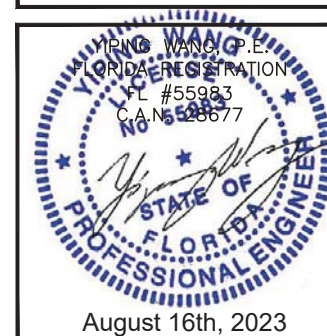
FRAME W/ DIRECT ANCHOR OR F-CLIP ANCHOR OPTION



SEE SHEET D I A FOR MULLION
ANCHOR OPTIONS



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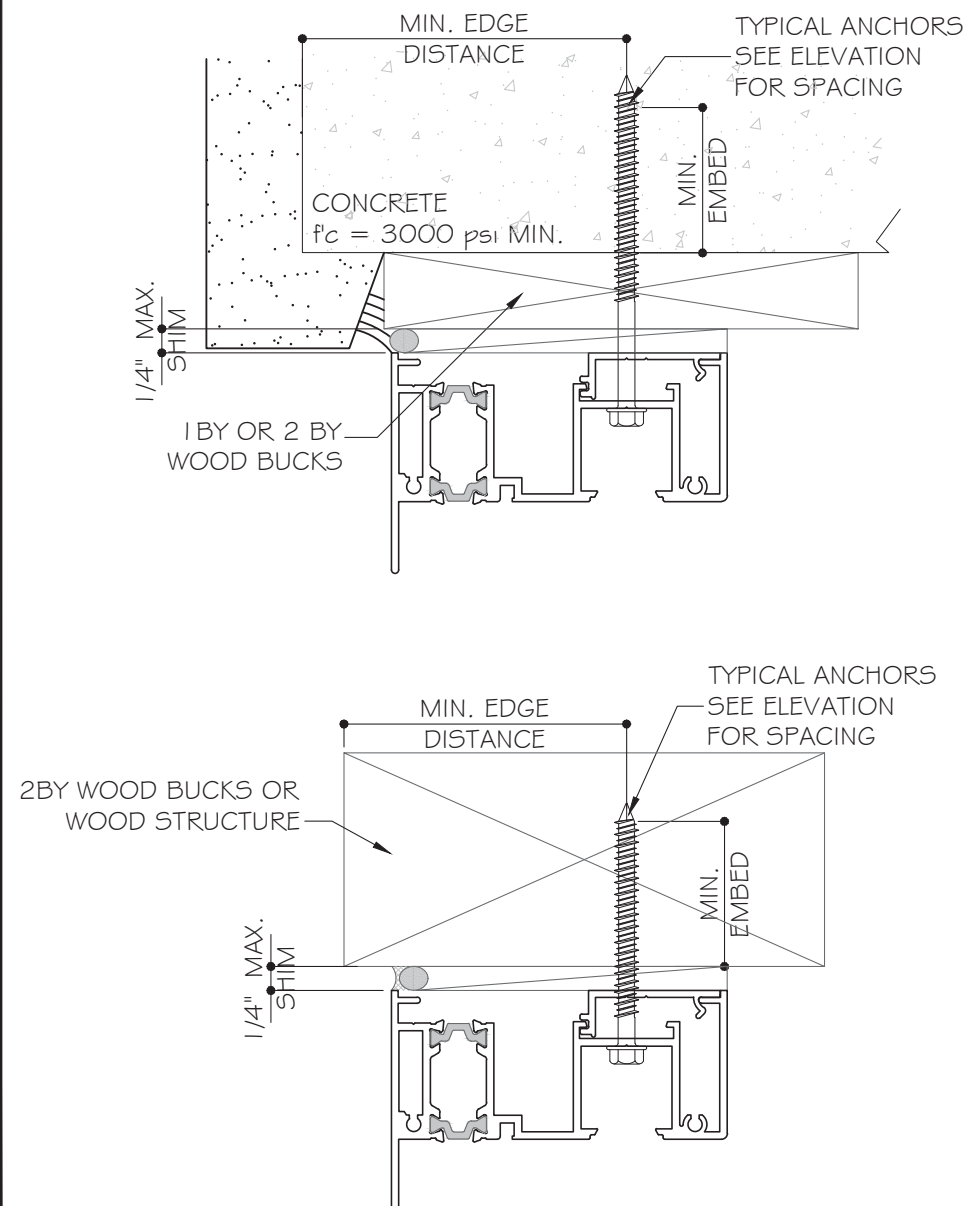
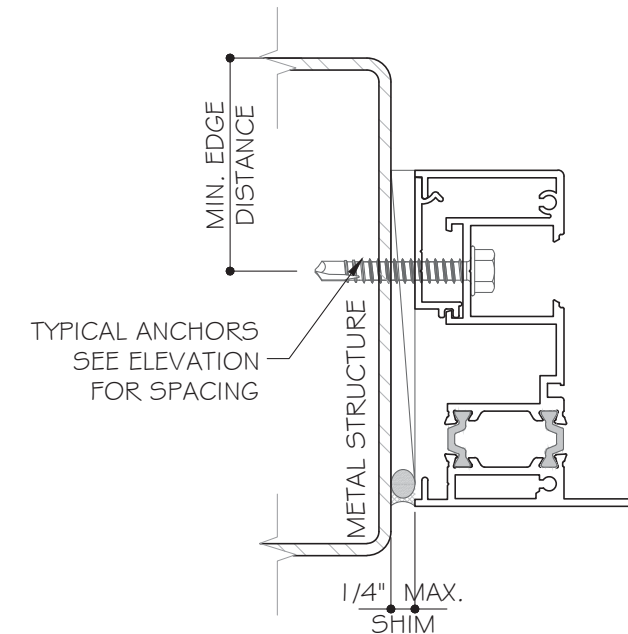
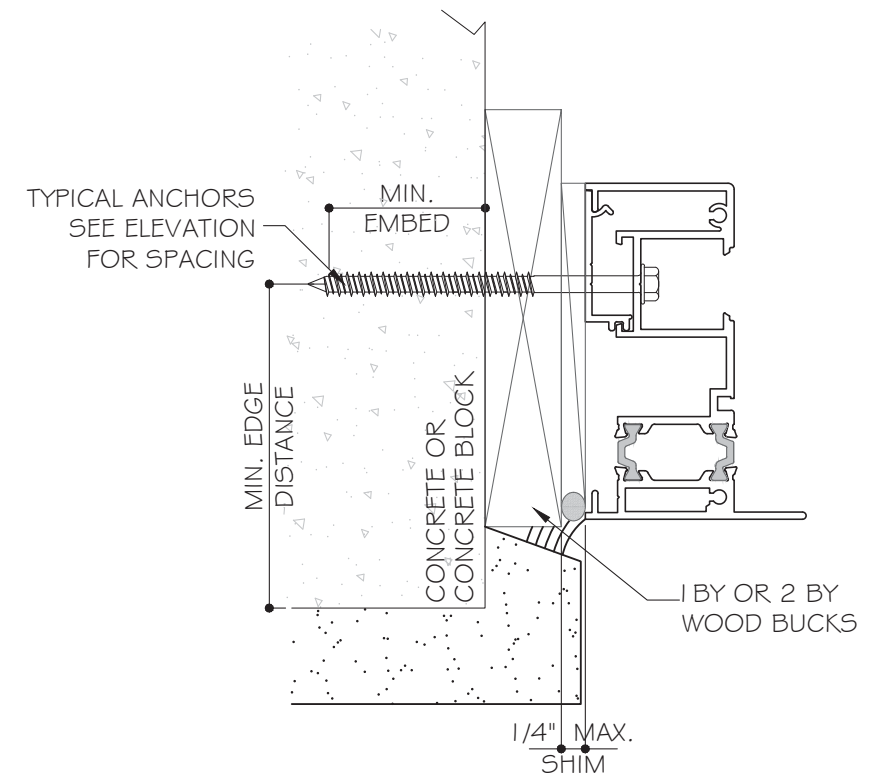
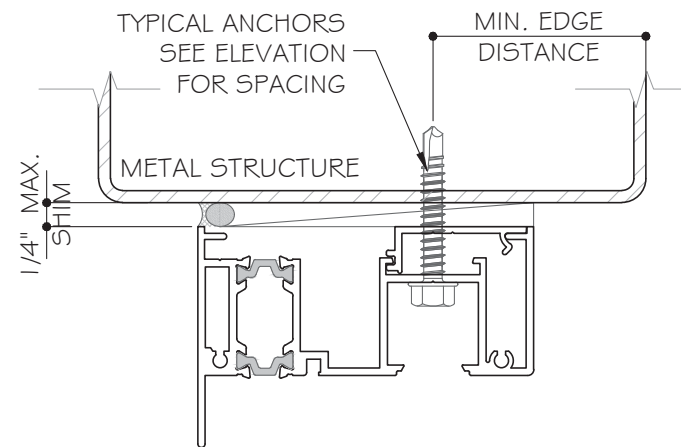
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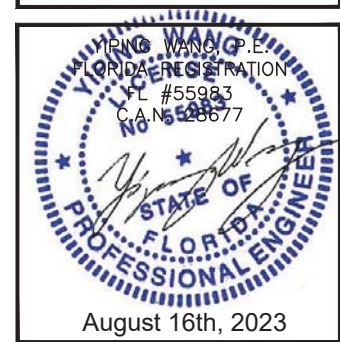
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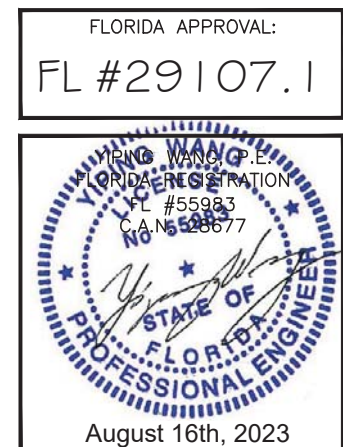
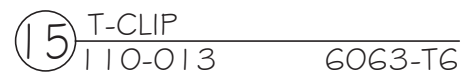
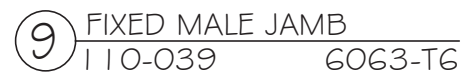
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	Rev. No.	Date	Drawn By	Description
	Scale			

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AD19-03

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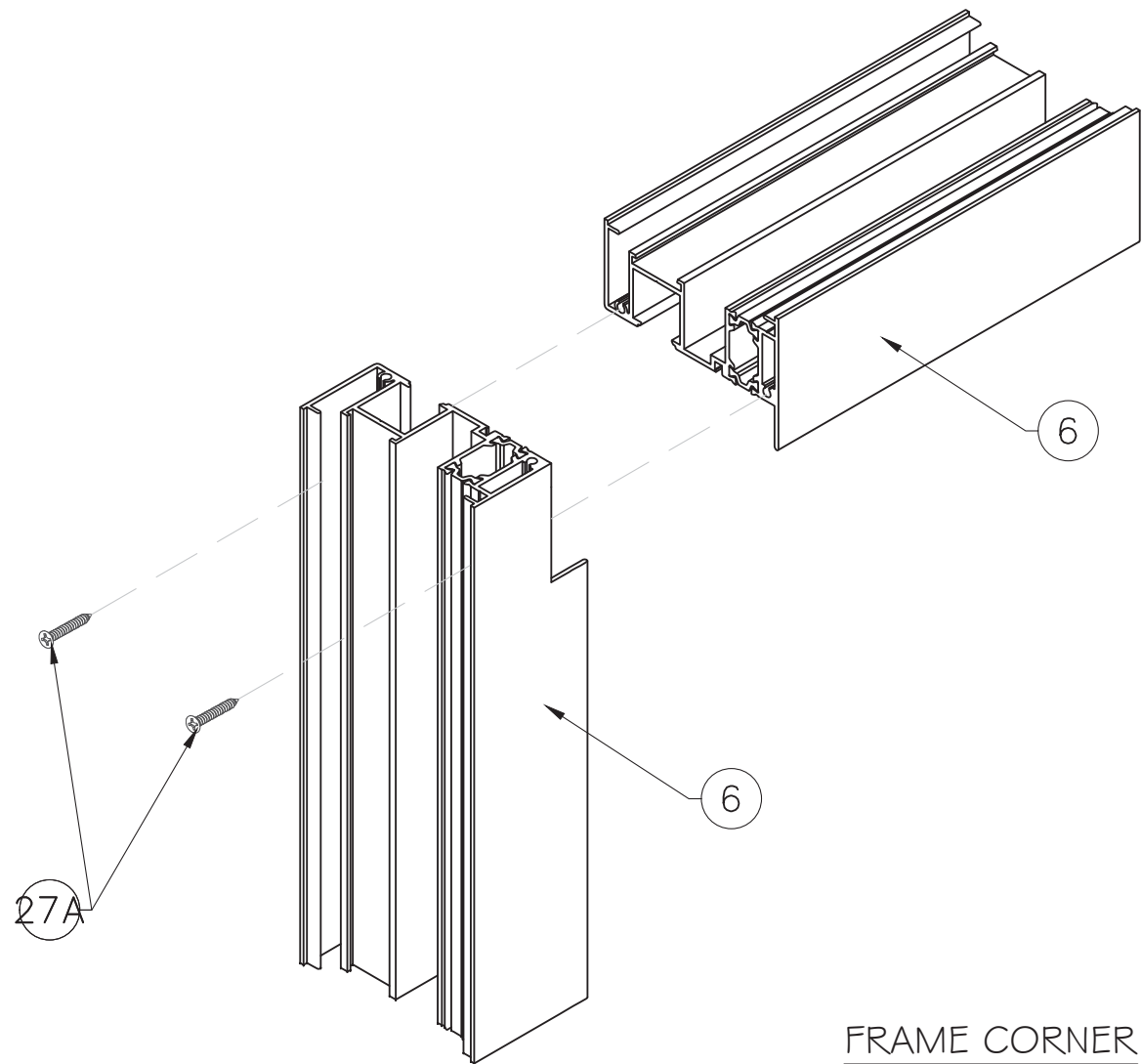


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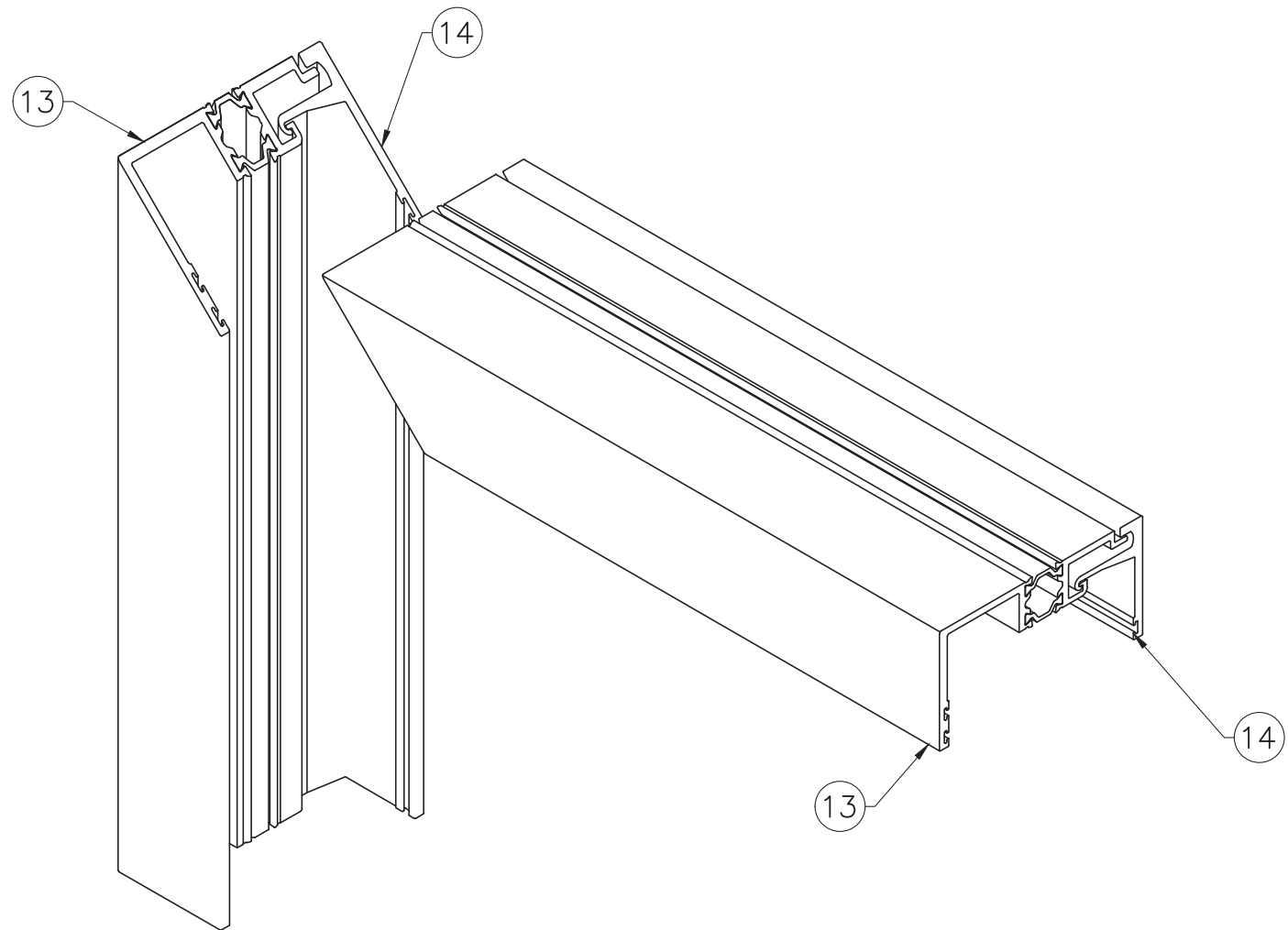
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FRAME CORNER



HEAD-JAMB RECEPTOR CORNER

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YOUNG WANG P.E.
FLORIDA REGISTRATION
FL #55983
CAN #528677
August 16th, 2023

Drawn Date	Scale	Rev. No.	Date	Drawn By	Description
08.11.2023		R3	08.11.2023	James	FBC 2023
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