

SERIES 8200 ALUMINUM CURTAIN WALL SYSTEM

- CURTAIN WALL SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.
- THIS SYSTEM MAY BE USED IN CONJUNCTION WITH MIAMI DADE COUNTY APPROVED ENTRANCE DOORS.
- CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 7TH EDITION (2020) / 8TH EDITION (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
- 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.
- A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 7TH EDITION (2020) / 8TH EDITION (2023) SECTION AS APPLICABLE.
- ULTIMATE DESIGN LOAD OBTAINED FROM ASCE 7-22, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THE 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 7-22 STANDARD.
- STEP 2:

SEE CHARTS ON SHEET G1 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE BASED ON APPLICABLE WIND DURATION.
- STEP 3:

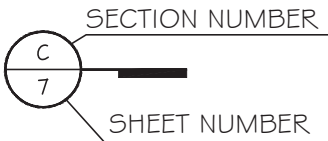
CHECK MULLION AND JAMB CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET M1 THROUGH J11. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4:

USING CHART ON SHEETS A1 THROUGH A4 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5:

THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 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
- CW - CURTAIN WALL



- 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.



http://www.trulite.com

403 WESTPARK COURT, SUITE 201
PEACHTREE CITY, GA 30269
p. 800-432-8132 | f. 954-724-2083

PRODUCT:

Series
8200 ALUMINUM
CURTAIN WALL
LARGE & SMALL-MISSILE
IMPACT



REVN	DATE/REMARKS

ENGINEER:



MCY ENGINEERING, INC.
GLAZING CONSULTANT

12781 MIRAMAR PARKWAY, STE 301
MIRAMAR, FL 33027
P: (305) 271-0117
Email: MCY@mcyengineering.com
www.MCYEngineering.com

STAMP:



August 03rd, 2023

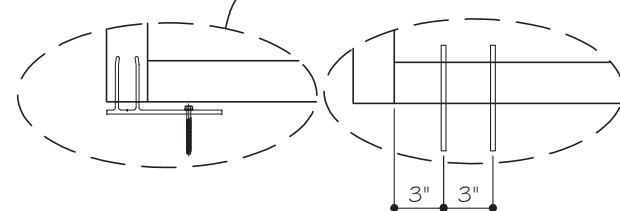
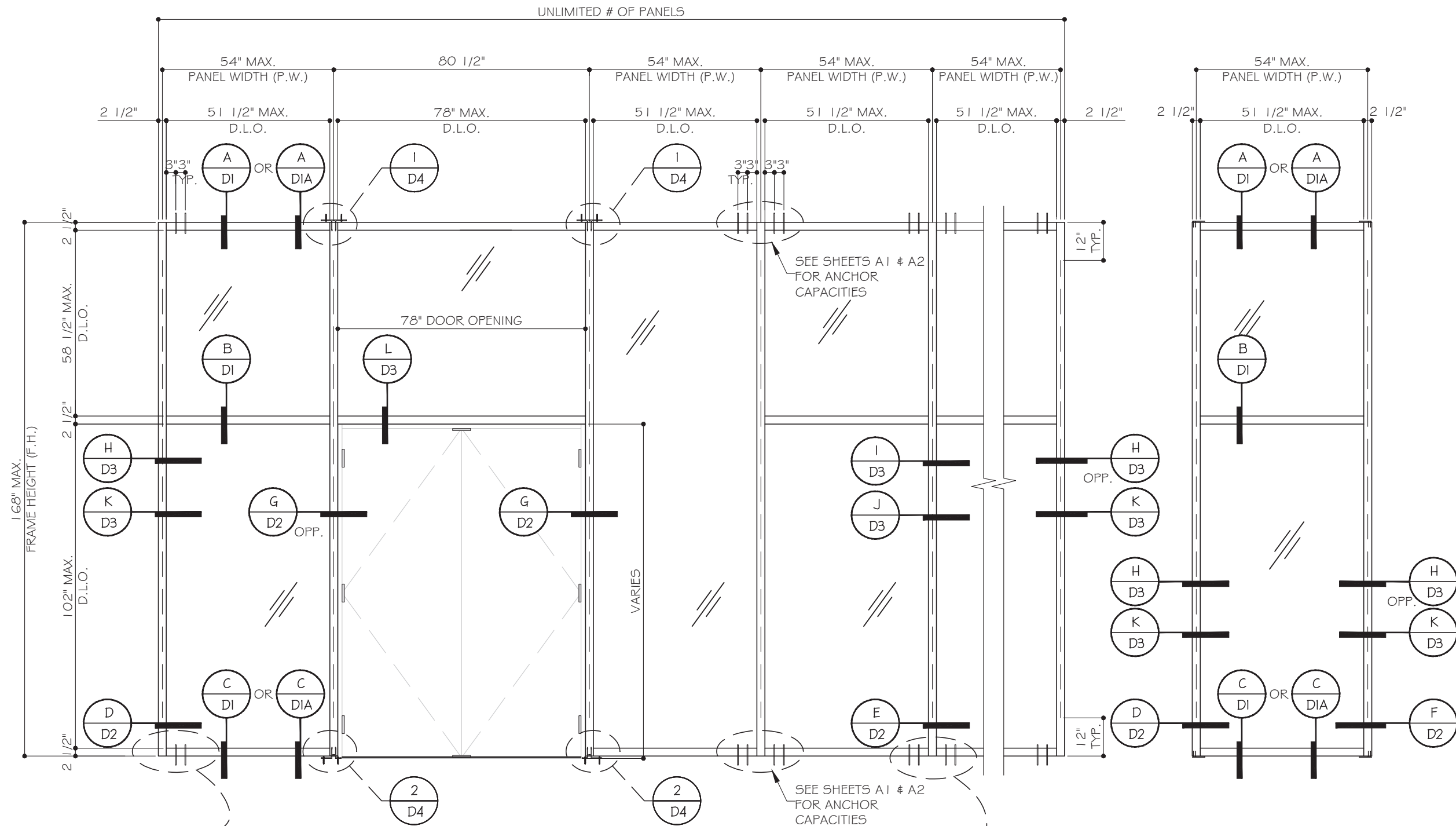
FLORIDA APPROVAL:

FL #25679

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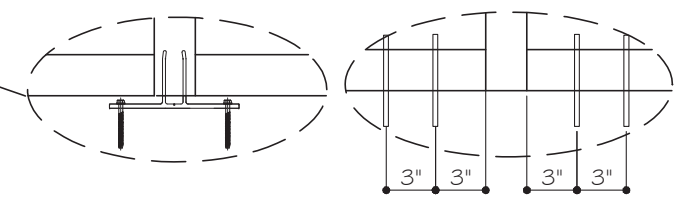
COVER

DRAWN: James	SHEET No:
DATE: 08/03/23	1 OF 24
DWG: AD16-17	



JAMB ANCHOR CLIP OPTION @ HEAD/SILL
SEE SHEETS A3 & A4
FOR ANCHOR CAPACITIES

TYPICAL EXTERIOR ELEVATIONS
SEE CHARTS ON SHEETS M1 AND M2 FOR
UNREINFORCED OR REINFORCED OPTIONS



MULLION ANCHOR CLIP OPTION @ HEAD/SILL
SEE SHEETS A3 & A4
FOR ANCHOR CAPACITIES



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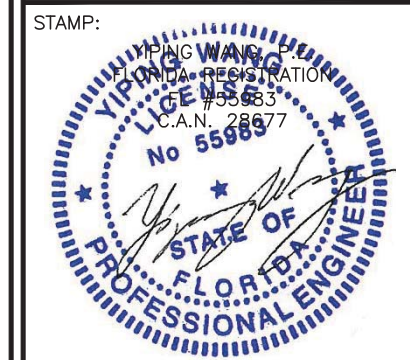
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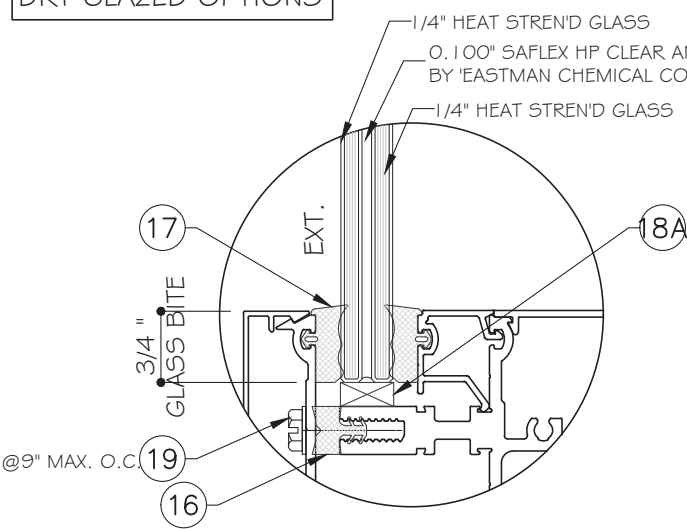
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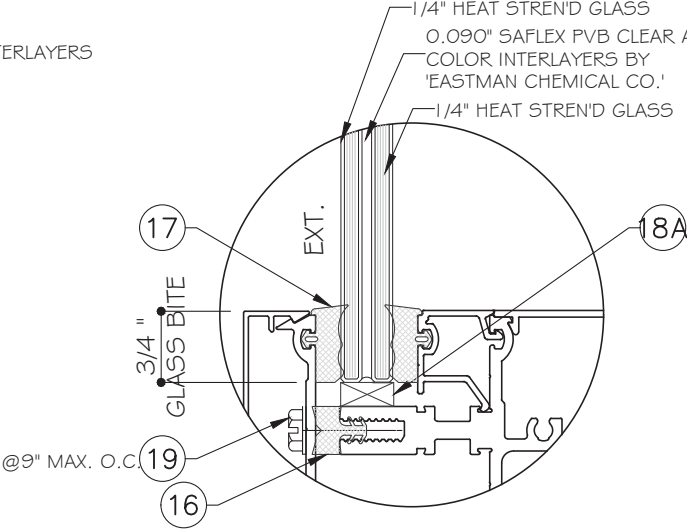
SHEET TITLE:
E1

DRAWN: James	SHEET No:
DATE: 08/03/23	2 OF 24
DWG: AD16-17	

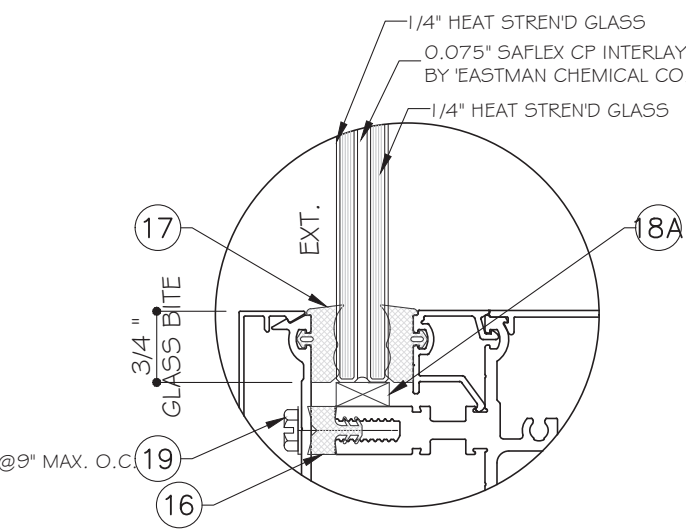
DRY GLAZED OPTIONS



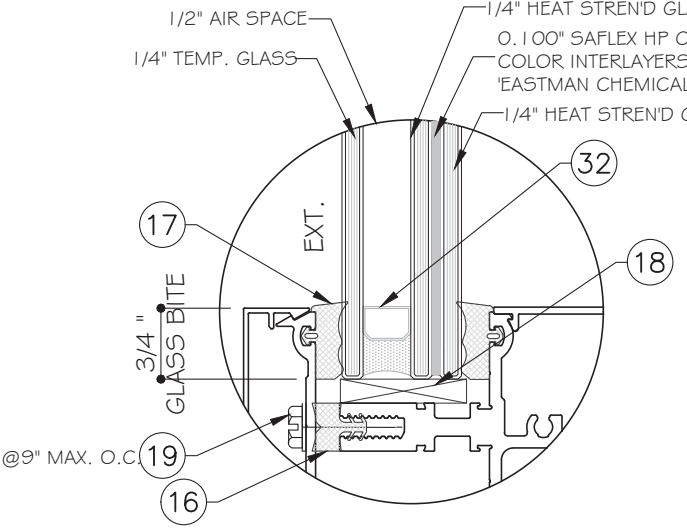
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9/16" NOMINAL OVERALL



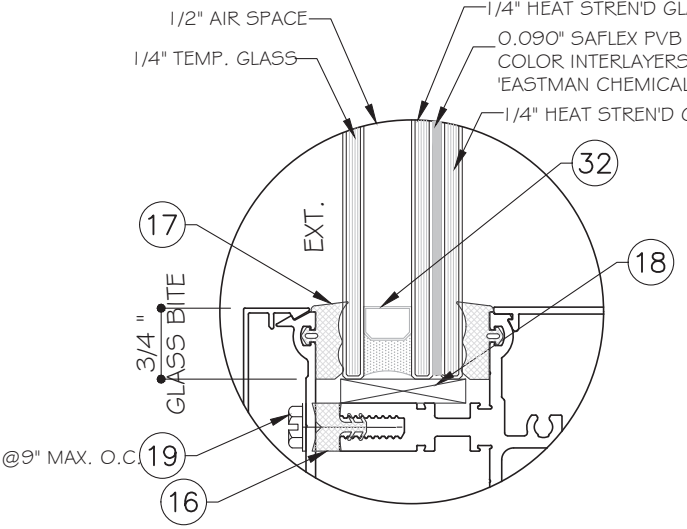
GLASS TYPE 'B'
9/16" NOMINAL OVERALL



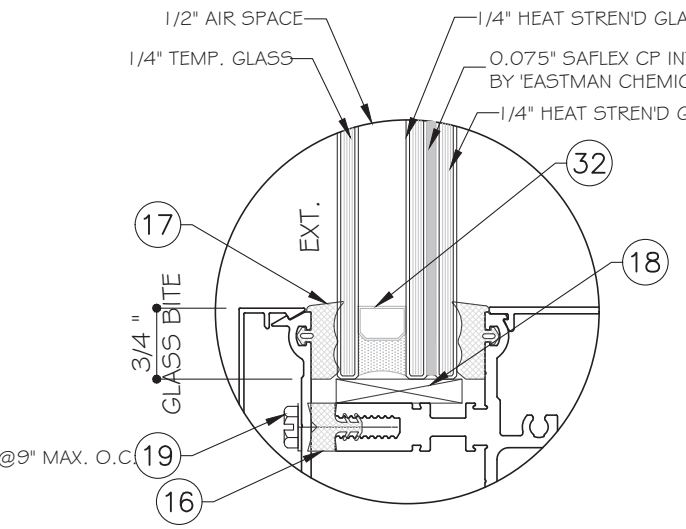
GLASS TYPE 'C'
9/16" NOMINAL OVERALL



GLASS TYPE 'A1'
1-5/16" NOMINAL OVERALL

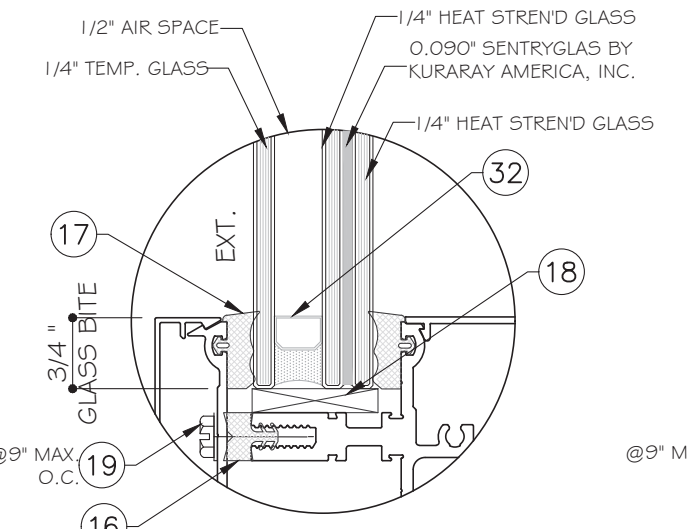


GLASS TYPE 'B1'
1-5/16" NOMINAL OVERALL

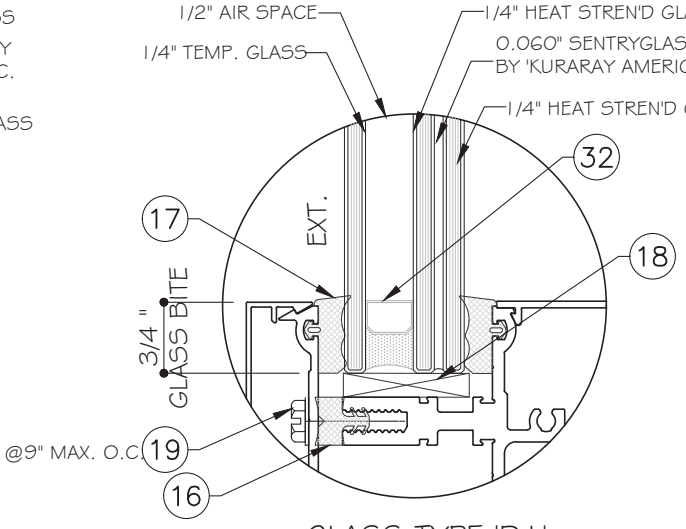


GLASS TYPE 'C1'
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SEE GLASS CAPACITY ON SHEET G2

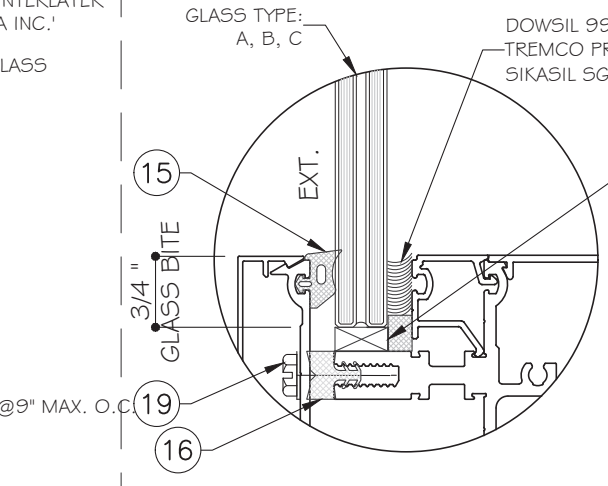


GLASS TYPE 'E'
1-5/16" NOMINAL OVERALL

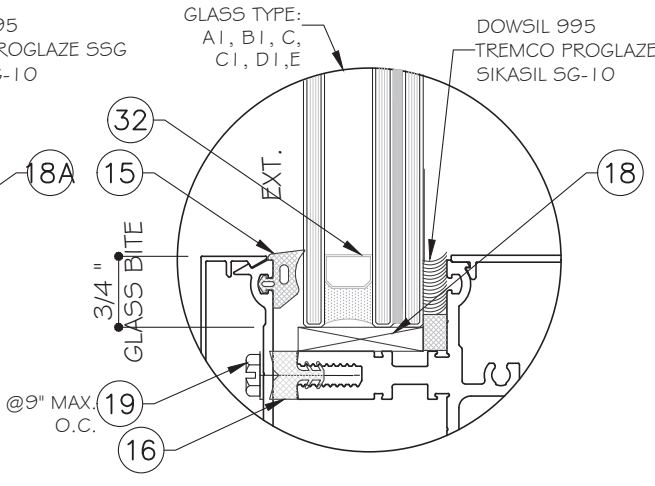


GLASS TYPE 'D1'
1-5/16" NOMINAL OVERALL
(FOR WIND ZONE 3 ONLY)

WET GLAZED OPTIONS



9/16" LAMINATED GLASS



1-5/16" INSULATED LAMINATED GLASS



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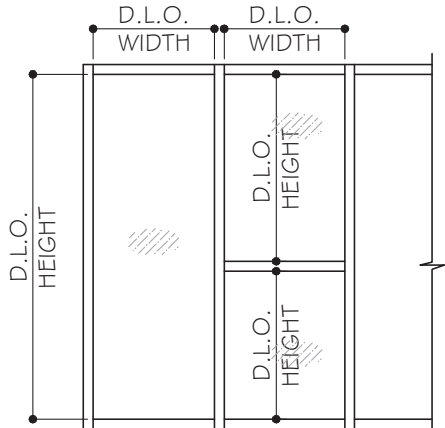
G1

DRAWN: James	SHEET No:
DATE: 08/03/23	3 OF 24
DWG: AD16-17	

GLASS LOAD CAPACITY - PSF									
DAYLIGHT OPENING SIZE		GLASS TYPES							
		WET GLAZED			DRY GLAZED				
D.L.O. H. (IN.)	D.L.O. W. (IN.)	A / A1	B / B1	C / C1	A / A1	B / B1	C / C1	D1	E
60	45.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	48.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	51.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	54.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	57.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	60.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	63.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	66.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	69.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
66	45.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	48.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	51.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	54.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	57.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	60.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	63.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	66.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	69.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
72	45.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	48.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	51.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	54.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	57.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	60.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	63.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	66.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	69.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
78	45.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	48.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	51.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	54.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	57.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	60.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	63.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	66.5	75.0	-	55.0	55.0	-	55.0	65.0	105.0
	69.5	75.0	-	-	-	-	-	-	105.0
84	45.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	48.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
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	60.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	63.5	75.0	-	-	-	-	-	-	105.0
	66.5	75.0	-	-	-	-	-	-	105.0
	69.5	75.0	-	-	-	-	-	-	105.0
90	45.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	48.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	51.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	54.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	57.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	60.5	75.0	-	-	-	-	-	-	105.0
	63.5	75.0	-	-	-	-	-	-	105.0
	66.5	75.0	-	-	-	-	-	-	-
	69.5	75.0	-	-	-	-	-	-	-

GLASS LOAD CAPACITY - PSF									
DAYLIGHT OPENING SIZE		GLASS TYPES							
		WET GLAZED			DRY GLAZED				
D.L.O. H. (IN.)	D.L.O. W. (IN.)	A / A1	B / B1	C / C1	A / A1	B / B1	C / C1	D1	E
96	45.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	48.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	51.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	54.5	75.0	-	55.0	55.0	-	55.0	65.0	105.0
	57.5	75.0	-	-	-	-	-	-	105.0
	60.5	75.0	-	-	-	-	-	-	105.0
	63.5	75.0	-	-	-	-	-	-	-
102	45.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	48.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	51.5	75.0	-	55.0	55.0	-	55.0	65.0	105.0
	54.5	75.0	-	-	-	-	-	-	105.0
	57.5	75.0	-	-	-	-	-	-	105.0
108	60.5	75.0	-	-	-	-	-	-	-
	36.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	39.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	42.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	45.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
114	48.5	75.0	-	55.0	55.0	-	55.0	65.0	105.0
	51.5	75.0	-	-	-	-	-	-	105.0
	54.5	75.0	-	-	-	-	-	-	105.0
	57.5	75.0	-	-	-	-	-	-	-
121	36.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	39.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	42.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	45.5	75.0	-	-	-	-	-	-	105.0
	48.5	75.0	-	-	-	-	-	-	105.0
126	51.5	75.0	-	-	-	-	-	-	-
	36.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	39.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	42.5	75.0	-	-	-	-	-	-	105.0
	45.5	75.0	-	-	-	-	-	-	105.0
132	48.5	75.0	-	-	-	-	-	-	-
	36.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	39.5	75.0	-	55.0	55.0	-	55.0	65.0	105.0
	42.5	75.0	-	-	-	-	-	-	105.0
	45.5	75.0	-	-	-	-	-	-	-
139	36.5	75.0	65.0	55.0	55.0	55.0	55.0	65.0	105.0
	39.5	75.0	-	-	-	-	-	-	105.0
	42.5	75.0	-	-	-	-	-	-	105.0

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)



STEP 2: GLASS LOAD TABLES



http://www.trulite.com

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August 03rd. 2023

FLORIDA APPROVAL:

FL #25679

SHEET TITLE:

G2

DRAWN: James

DATE: 08/03/23

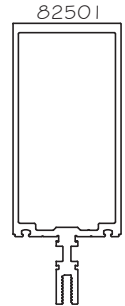
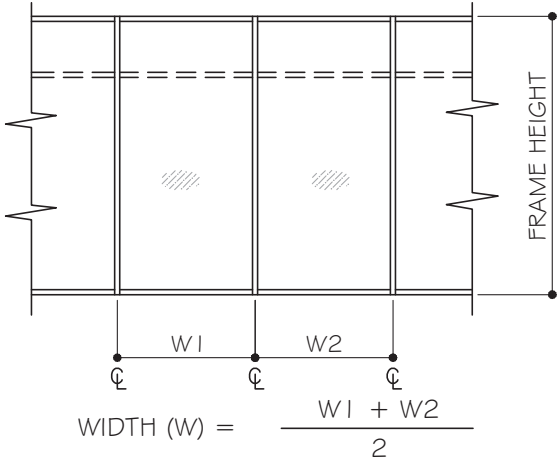
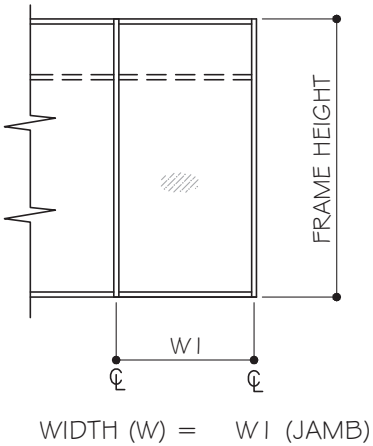
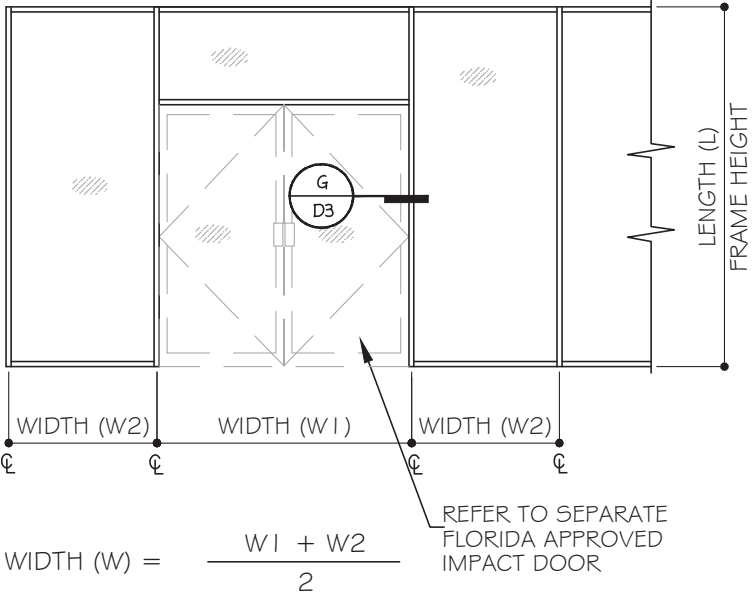
DWG: AD16-17

SHEET No:

4 OF 24

MULLION DESIGN LOAD CAPACITIES				
MULLION DIMENSIONS		MULLION (M)	JAMB (J1)	JAMB MULLION (J3)
		DESIGN LOAD (+/-) PSF	DESIGN LOAD (+/-) PSF	DESIGN LOAD (+/-) PSF
HEIGHT (IN.)	WIDTH (IN.) (W)			
78	36	105.0	105.0	65.0
	42	105.0	105.0	65.0
	48	105.0	105.0	65.0
	54	105.0	105.0	65.0
	60	105.0	105.0	65.0
	66	105.0	105.0	65.0
	72	105.0	105.0	65.0
84	36	105.0	105.0	65.0
	42	105.0	105.0	65.0
	48	105.0	105.0	65.0
	54	105.0	105.0	65.0
	60	105.0	105.0	65.0
	66	105.0	105.0	65.0
	72	105.0	105.0	65.0
90	36	105.0	105.0	65.0
	42	105.0	105.0	65.0
	48	105.0	105.0	65.0
	54	105.0	105.0	65.0
	60	105.0	105.0	65.0
	66	105.0	105.0	65.0
	72	65.0	65.0	65.0
96	36	105.0	105.0	65.0
	42	105.0	105.0	65.0
	48	105.0	105.0	65.0
	54	105.0	105.0	65.0
	60	105.0	105.0	65.0
	66	100.0	105.0	65.0
	72	65.0	65.0	65.0
102	36	105.0	105.0	65.0
	42	105.0	105.0	65.0
	48	105.0	105.0	65.0
	54	105.0	105.0	65.0
	60	98.0	105.0	65.0
	66	65.0	65.0	65.0
	72	65.0	65.0	65.0
107	60	89.0	105.0	65.0
108	36	105.0	105.0	65.0
	42	105.0	105.0	65.0
	48	105.0	105.0	65.0
	54	97.0	105.0	65.0
	60	65.0	65.0	65.0
	66	65.0	65.0	65.0
114	36	105.0	105.0	65.0
	42	105.0	105.0	65.0
	48	95.0	105.0	65.0
	54	84.0	103.0	65.0
	60	65.0	65.0	65.0
	66	65.0	65.0	65.0
120	36	105.0	105.0	65.0
	42	93.0	105.0	65.0
	48	81.0	104.0	65.0
	54	65.0	65.0	65.0
	60	65.0	65.0	65.0
126	30	105.0	105.0	65.0
	36	93.0	105.0	65.0
	42	80.0	105.0	65.0
	48	70.0	95.0	65.0
	54	65.0	65.0	65.0
	60	62.4	65.0	65.0

MULLION DESIGN LOAD CAPACITIES				
MULLION DIMENSIONS		MULLION (M)	JAMB (J1)	JAMB MULLION (J3)
		DESIGN LOAD (+/-) PSF	DESIGN LOAD (+/-) PSF	DESIGN LOAD (+/-) PSF
HEIGHT (IN.)	WIDTH (IN.) (W)			
132	30	97.0	105.0	65.0
	36	81.0	105.0	65.0
	42	70.0	99.0	65.0
	48	61.0	86.0	65.0
	54	60.3	65.0	65.0
	30	85.0	105.0	65.0
	36	71.0	105.0	65.0
138	42	61.0	90.0	65.0
	48	59.4	65.0	65.0
	54	52.8	65.0	65.0
	30	75.0	105.0	65.0
144	36	65.0	97.0	65.0
	42	59.8	83.0	65.0
	48	52.3	65.0	65.0



MULLION (M1) (J1)

M1	Ix IN^4	Sx IN^3
82501	12.1992	3.5275



JAMB MULLION (J3)

J1	Ix IN^4	Sx IN^3
82504	9.8902	2.7949



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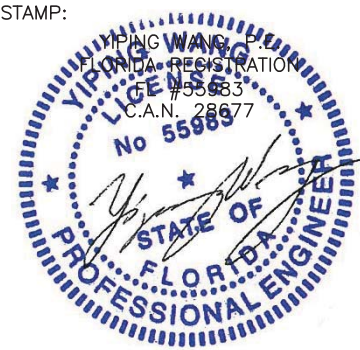
PRODUCT:
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LARGE & SMALL-MISSILE
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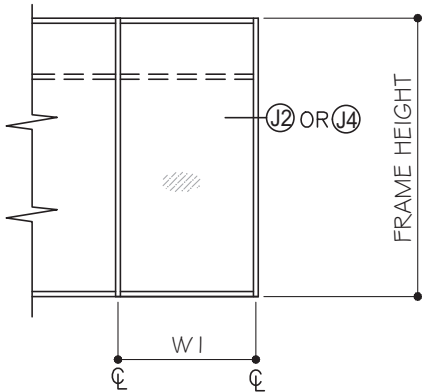


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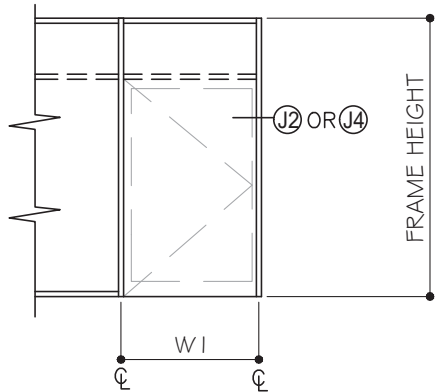
FL #25679

SHEET TITLE:	
M1	
DRAWN: James	SHEET No:
DATE: 08/03/23	5 OF 24
DWG: AD16-17	

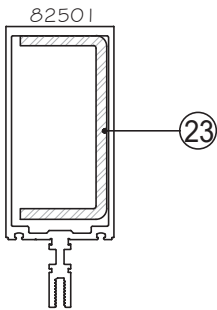
MULLION DESIGN LOAD CAPACITIES							
MULLION DIMENSIONS		MULLION (M2)		MULLION (M3)		JAMB MULLION (J2) (J4)	
		DESIGN LOAD		DESIGN LOAD		DESIGN LOAD	
HEIGHT (IN.)	WIDTH (IN.) (W)	(+) PSF	(-) PSF	(+) PSF	(-) PSF	(+) PSF	(-) PSF
120	66	55.0	55.0	75.0	75.0	75.0	75.0
	72	55.0	55.0	75.0	75.0	75.0	75.0
126	66	55.0	55.0	75.0	75.0	75.0	75.0
	72	55.0	55.0	75.0	75.0	75.0	75.0
132	60	55.0	55.0	75.0	75.0	75.0	75.0
	66	55.0	55.0	75.0	75.0	75.0	75.0
138	54	65.0	65.0	75.0	75.0	75.0	75.0
	60	55.0	55.0	75.0	75.0	75.0	75.0
144	54	55.0	55.0	75.0	75.0	75.0	75.0
	60	55.0	55.0	75.0	75.0	75.0	75.0
150	48	65.0	65.0	75.0	75.0	75.0	75.0
	54	55.0	55.0	75.0	75.0	75.0	75.0
	60	55.0	55.0	75.0	75.0	75.0	75.0
156	42	65.0	65.0	75.0	75.0	75.0	75.0
	48	65.0	65.0	75.0	75.0	75.0	75.0
	54	55.0	55.0	75.0	75.0	75.0	75.0
162	42	65.0	65.0	75.0	75.0	75.0	75.0
	48	55.0	55.0	75.0	75.0	75.0	75.0
	54	55.0	55.0	75.0	75.0	75.0	75.0
168	42	65.0	65.0	75.0	75.0	75.0	75.0
	48	55.0	55.0	75.0	75.0	75.0	75.0
	54	55.0	55.0	75.0	75.0	75.0	75.0



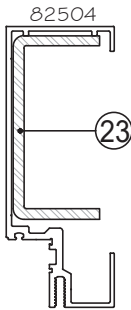
WIDTH (W) = W1 (JAMB)



WIDTH (W) = W1 (JAMB)



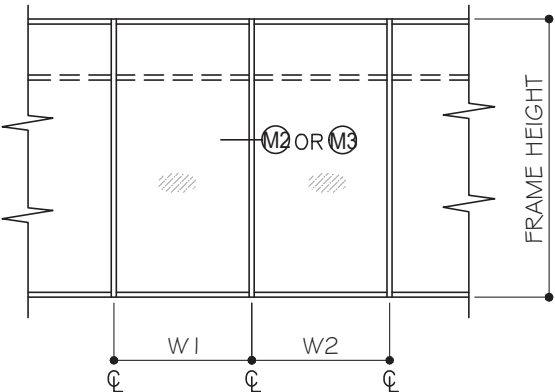
JAMB (J2)



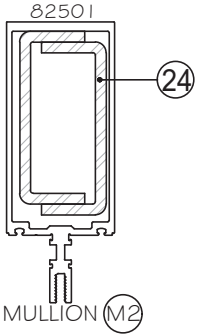
JAMB MULLION (J4)

M2	I _x IN ⁴	S _x IN ³
82501	12.1992	3.5275
R1 (IN STL)	4.7568	2.2385
TOTAL	25.9939	(IN ALUM.)

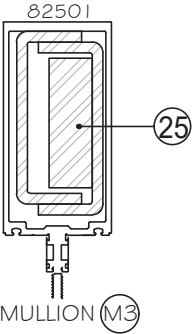
J2	I _x IN ⁴	S _x IN ³
82504	9.8902	2.7949
R1 (IN STL)	4.6177	2.2385
TOTAL	23.6849	(IN ALUM.)



WIDTH (W) = $\frac{W1 + W2}{2}$ (MULLION)



MULLION (M2)



MULLION (M3)

M2	I _x IN ⁴	S _x IN ³
82501	12.1992	3.5275
R3 (IN STL)	6.4548	3.2274
TOTAL	30.9181	(IN ALUM.)

M3	I _x IN ⁴	S _x IN ³
82501	12.1992	3.5275
R4 (IN STL)	8.7048	-
TOTAL	37.44312	-



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REVN	DATE/REMARKS

ENGINEER:



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August 03rd. 2023

FLORIDA APPROVAL:

FL #25679

SHEET TITLE:

M2 (R)

DRAWN: James

DATE: 08/03/23

DWG: AD16-17

SHEET No:

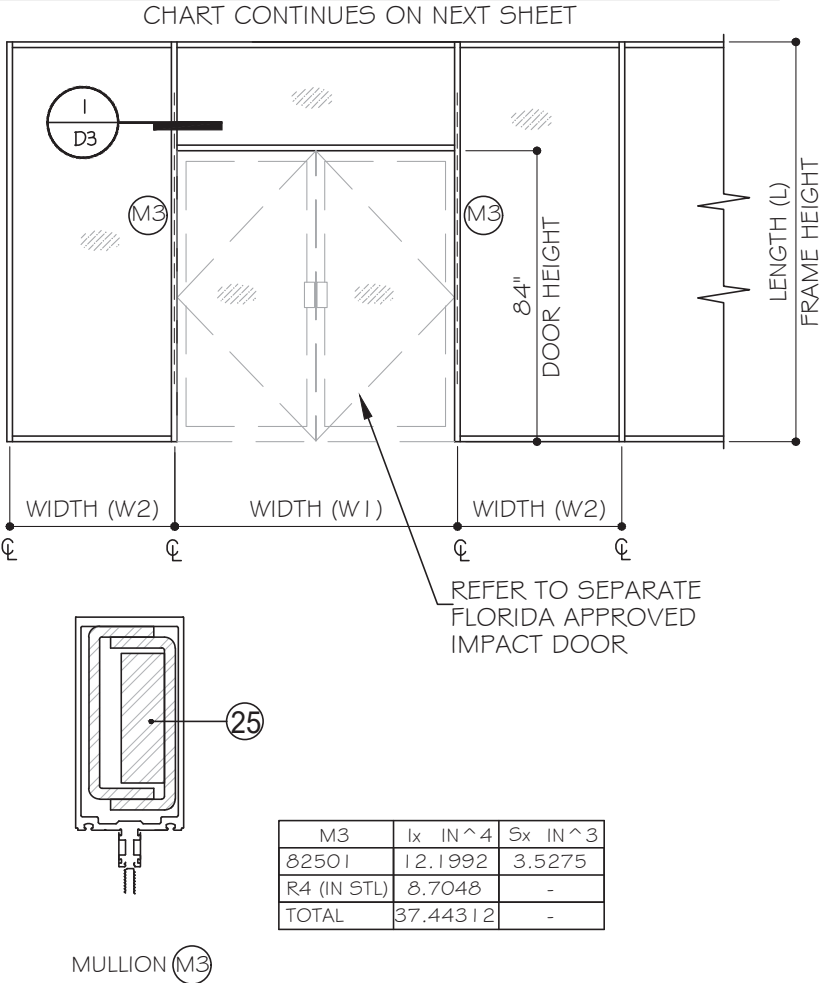
6 OF 24

STEP 3: JAMB/MULLION LOAD CAPACITIES

DOOR JAMB MULLION CAPACITY					
WINDOW PANEL DIMENSION				DESIGN LOAD	
FRAME HEIGHT (IN.)	DOOR HEIGHT (IN.)	DOOR WIDTH (W1) (IN.)	SIDELITE WIDTH (W2) (IN.)	(+) PSF	(-) PSF
108	84	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
114	84	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
120	84	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0

DOOR JAMB MULLION CAPACITY					
WINDOW PANEL DIMENSION				DESIGN LOAD	
FRAME HEIGHT (IN.)	DOOR HEIGHT (IN.)	DOOR WIDTH (W1) (IN.)	SIDELITE WIDTH (W2) (IN.)	(+) PSF	(-) PSF
120	84	72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
126	84	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
132	84	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0

DOOR JAMB MULLION CAPACITY					
WINDOW PANEL DIMENSION				DESIGN LOAD	
FRAME HEIGHT (IN.)	DOOR HEIGHT (IN.)	DOOR WIDTH (W1) (IN.)	SIDELITE WIDTH (W2) (IN.)	(+) PSF	(-) PSF
138	84	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0



M3	Ix IN^4	Sx IN^3
82501	12.1992	3.5275
R4 (IN STL)	8.7048	-
TOTAL	37.44312	-

STEP 3: JAMB/MULLION LOAD CAPACITIES

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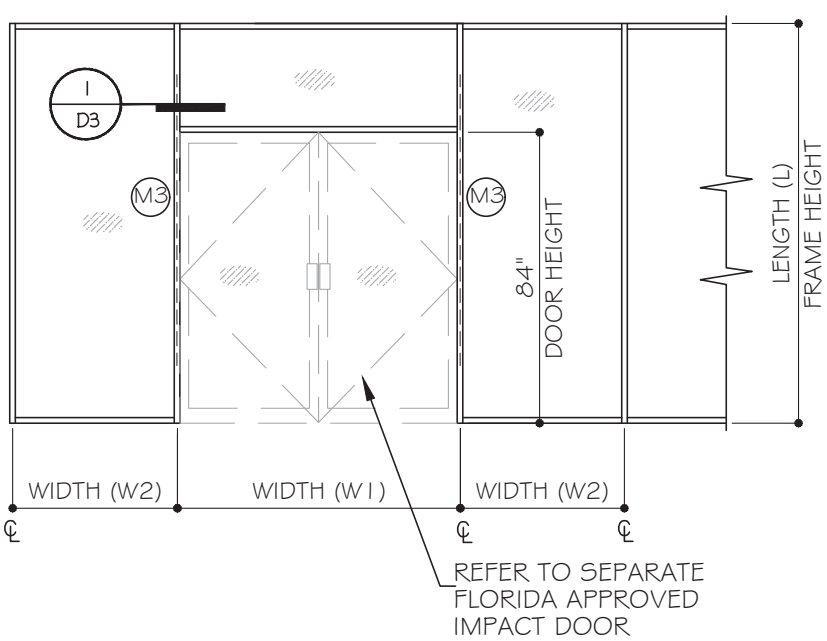
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FL #25679

SHEET TITLE:
J1
DRAWN: James
DATE: 08/03/23
DWG: AD16-17
SHEET No:
7 OF 24

DOOR JAMB MULLION CAPACITY					
WINDOW PANEL DIMENSION				DESIGN LOAD	
FRAME HEIGHT (IN.)	DOOR HEIGHT (IN.)	DOOR WIDTH (W1) (IN.)	SIDELITE WIDTH (W2) (IN.)	(+) PSF	(-) PSF
144	84	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	54.0	54.0
150	84	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	53.0	53.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	54.0	54.0
			72	51.0	51.0
156	84	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	53.0	53.0

DOOR JAMB MULLION CAPACITY					
WINDOW PANEL DIMENSION				DESIGN LOAD	
FRAME HEIGHT (IN.)	DOOR HEIGHT (IN.)	DOOR WIDTH (W1) (IN.)	SIDELITE WIDTH (W2) (IN.)	(+) PSF	(-) PSF
156	84	72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	53.0	53.0
			72	51.0	51.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	54.0	54.0
			72	51.0	51.0
162	84	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	52.0	52.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	53.0	53.0
			72	50.0	50.0
		72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	54.0	54.0
			66	51.0	51.0
			72	55.0	55.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	54.0	54.0
			60	52.0	52.0
			66	55.0	55.0
			72	50.0	50.0
168	84	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	53.0	53.0
			72	50.0	50.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	53.0	53.0
			66	50.0	50.0
			72	55.0	55.0
		72	42	55.0	55.0
			48	55.0	55.0
			54	52.0	52.0
			60	50.0	50.0
			66	55.0	55.0
			72	55.0	55.0
		78	42	55.0	55.0
			48	52.0	52.0
			54	50.0	50.0
			60	55.0	55.0
			66	53.0	53.0
			72	50.0	50.0



STEP 3: JAMB/MULLION LOAD CAPACITIES



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REVN	DATE/REMARKS

ENGINEER:

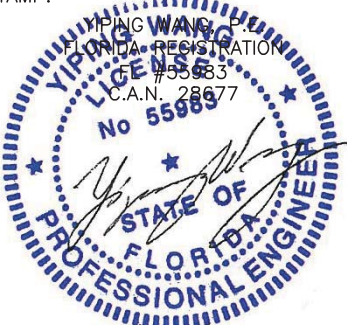


MCY ENGINEERING, INC.

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August 03rd, 2023

FLORIDA APPROVAL:

FL #25679

SHEET TITLE:

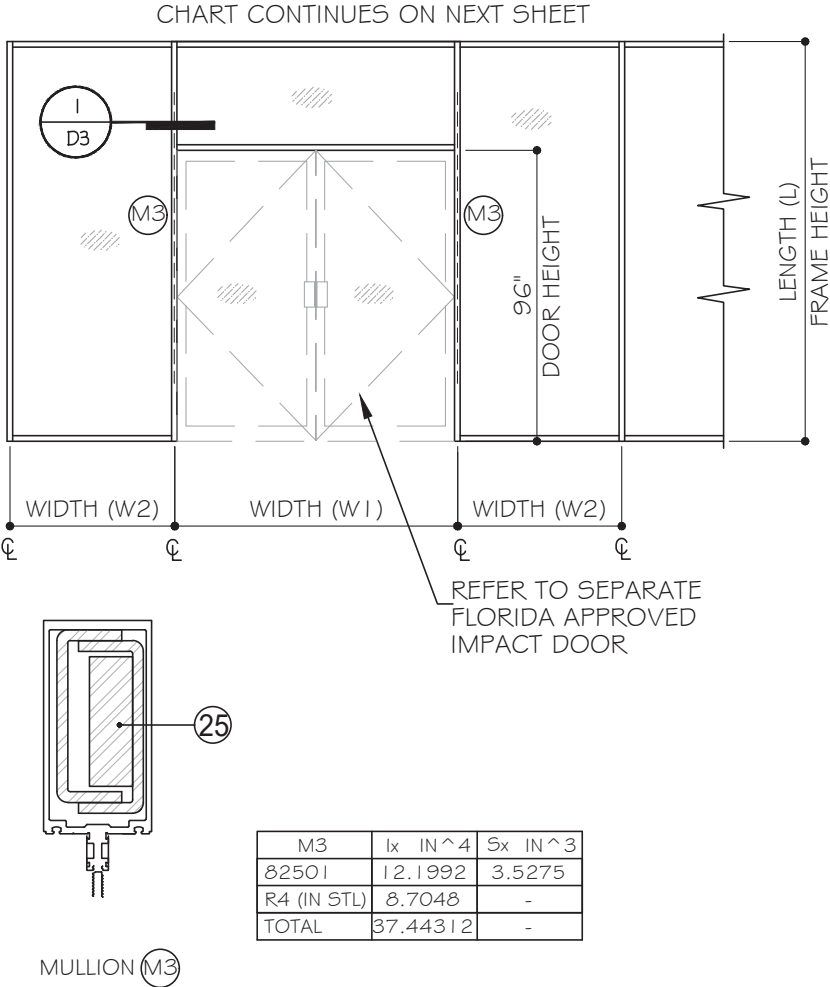
J2

DRAWN: James	SHEET No:
DATE: 08/03/23	8 OF 24
DWG: AD16-17	

DOOR JAMB MULLION CAPACITY					
WINDOW PANEL DIMENSION				DESIGN LOAD	
FRAME HEIGHT (IN.)	DOOR HEIGHT (IN.)	DOOR WIDTH (W1) (IN.)	SIDELITE WIDTH (W2) (IN.)	(+) PSF	(-) PSF
120	96	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
126	96	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
132	96	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0

DOOR JAMB MULLION CAPACITY					
WINDOW PANEL DIMENSION				DESIGN LOAD	
FRAME HEIGHT (IN.)	DOOR HEIGHT (IN.)	DOOR WIDTH (W1) (IN.)	SIDELITE WIDTH (W2) (IN.)	(+) PSF	(-) PSF
132	96	72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
138	96	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
138	96	72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
144	96	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
144	96	72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0

DOOR JAMB MULLION CAPACITY					
WINDOW PANEL DIMENSION				DESIGN LOAD	
FRAME HEIGHT (IN.)	DOOR HEIGHT (IN.)	DOOR WIDTH (W1) (IN.)	SIDELITE WIDTH (W2) (IN.)	(+) PSF	(-) PSF
150	96	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	53.0	53.0



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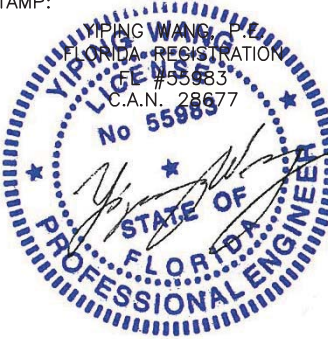
REVN	DATE/REMARKS

ENGINEER:

**MCY ENGINEERING, INC.**
GLAZING CONSULTANT

12781 MIRAMAR PARKWAY, STE 301
MIRAMAR, FL 33027
P: (305) 271-0117
Email: MCY@mcyengineering.com
www.MCYEngineering.com

STAMP:



August 03rd, 2023

FLORIDA APPROVAL:

FL #25679

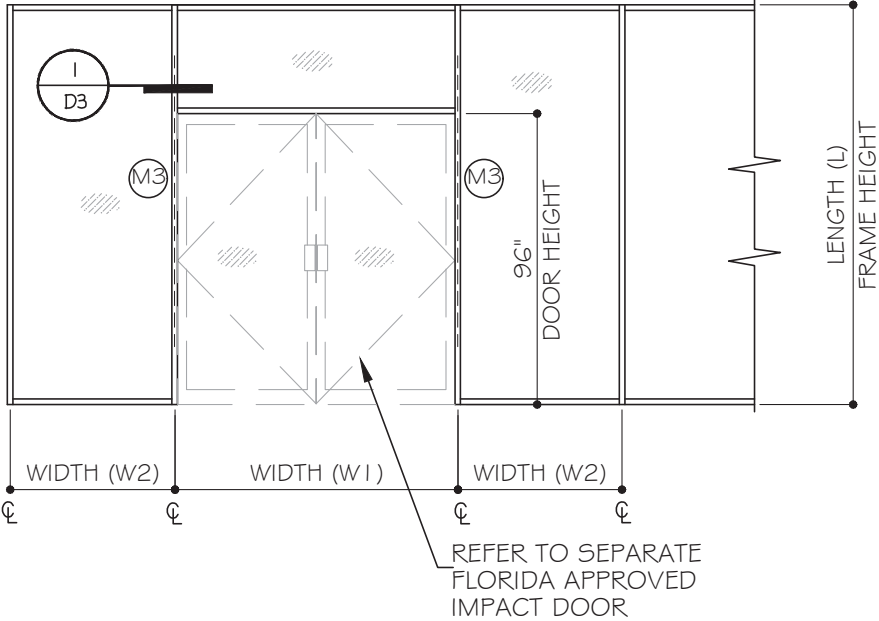
SHEET TITLE:

J3

DRAWN: James	SHEET No:
DATE: 08/03/23	9 OF 24
DWG: AD16-17	

DOOR JAMB MULLION CAPACITY					
WINDOW PANEL DIMENSION				DESIGN LOAD	
FRAME HEIGHT (IN.)	DOOR HEIGHT (IN.)	DOOR WIDTH (W1) (IN.)	SIDELITE WIDTH (W2) (IN.)	(+) PSF	(-) PSF
156	96	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	54.0	54.0
		72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	52.0	52.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	53.0	53.0
162	96	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	53.0	53.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	54.0	54.0
			72	51.0	51.0
		72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	52.0	52.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	53.0	53.0

DOOR JAMB MULLION CAPACITY					
WINDOW PANEL DIMENSION				DESIGN LOAD	
FRAME HEIGHT (IN.)	DOOR HEIGHT (IN.)	DOOR WIDTH 1 (IN.)	SIDELITE WIDTH 2(IN.)	(+) PSF	(-) PSF
168	96	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	54.0	54.0
			72	51.0	51.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	52.0	52.0
			72	55.0	55.0
		72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	53.0	53.0
			72	55.0	55.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	53.0	53.0



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REVN	DATE/REMARKS

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GLAZING CONSULTANT

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August 03rd, 2023

FLORIDA APPROVAL:

FL #25679

SHEET TITLE:

J4

DRAWN: James

DATE: 08/03/23

DWG: AD16-17

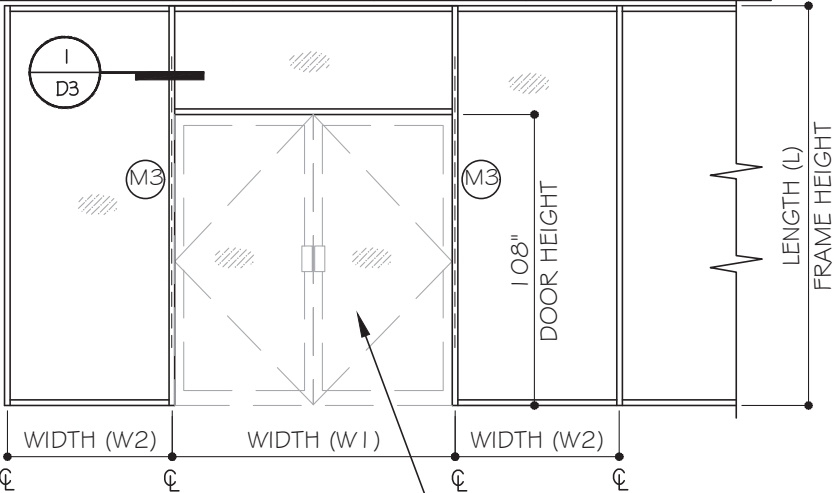
SHEET No:

10 OF 24

DOOR JAMB MULLION CAPACITY					
WINDOW PANEL DIMENSION				DESIGN LOAD	
FRAME HEIGHT (IN.)	DOOR HEIGHT (IN.)	DOOR WIDTH (W1) (IN.)	SIDELITE WIDTH (W2) (IN.)	(+) PSF	(-) PSF
132	108	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
138	108	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
144	108	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0

DOOR JAMB MULLION CAPACITY					
WINDOW PANEL DIMENSION				DESIGN LOAD	
FRAME HEIGHT (IN.)	DOOR HEIGHT (IN.)	DOOR WIDTH (W1) (IN.)	SIDELITE WIDTH (W2) (IN.)	(+) PSF	(-) PSF
144	108	72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	53.0	53.0
150	108	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
156	108	72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	53.0	53.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	54.0	54.0
			72	51.0	51.0
		60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	54.0	54.0
156	108	72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	54.0	54.0
			72	52.0	52.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	52.0	52.0

DOOR JAMB MULLION CAPACITY					
WINDOW PANEL DIMENSION				DESIGN LOAD	
FRAME HEIGHT (IN.)	DOOR HEIGHT (IN.)	DOOR WIDTH (W1) (IN.)	SIDELITE WIDTH (W2) (IN.)	(+) PSF	(-) PSF
162	108	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	54.0	54.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	52.0	52.0
162	108	72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	53.0	53.0
			72	55.0	55.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	53.0	53.0
			72	55.0	55.0
168	108	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	52.0	52.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	53.0	53.0
			72	55.0	55.0
168	108	72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	54.0	54.0
			72	51.0	51.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0



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IMPACT

Resistor
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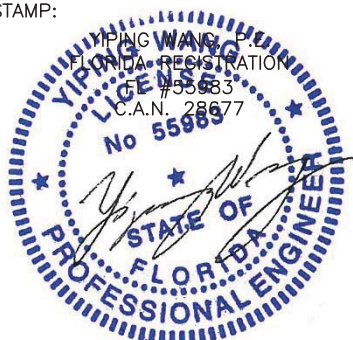
REVN	DATE/REMARKS

ENGINEER:



MCY ENGINEERING, INC.
GLAZING CONSULTANT
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MIRAMAR, FL 33027
P: (305) 271-0117
Email: MCY@mcyengineering.com
www.MCYEngineering.com

STAMP:



August 03rd, 2023

FLORIDA APPROVAL:

FL #25679

SHEET TITLE:

J5

DRAWN: James

DATE: 08/03/23

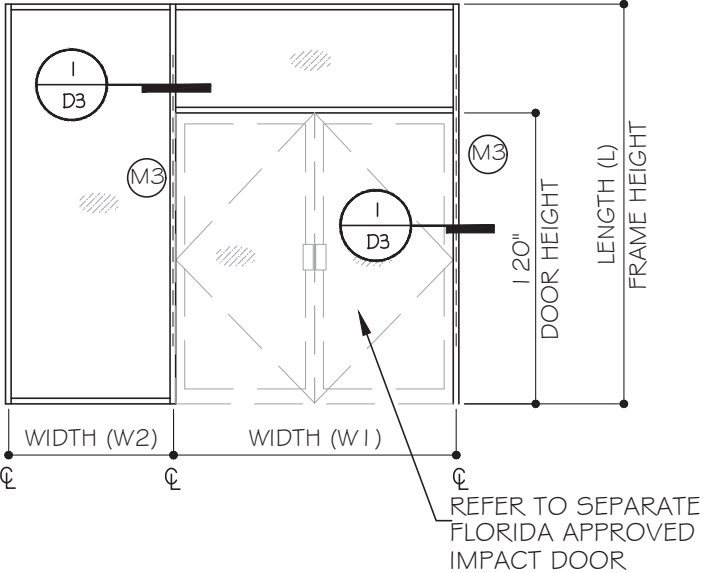
DWG: AD16-17

SHEET No:

11 OF 24

DOOR JAMB MULLION CAPACITY					
WINDOW PANEL DIMENSION				DESIGN LOAD	
FRAME HEIGHT (IN.)	DOOR HEIGHT (IN.)	DOOR WIDTH (W1) (IN.)	SIDELITE WIDTH (W2) (IN.)	(+) PSF	(-) PSF
144	120	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	54.0	54.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	54.0	54.0
			72	52.0	52.0
150	120	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	54.0	54.0
		72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	52.0	52.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	53.0	53.0
			72	50.0	50.0
156	120	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	55.0	55.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	53.0	53.0

DOOR JAMB MULLION CAPACITY					
WINDOW PANEL DIMENSION				DESIGN LOAD	
FRAME HEIGHT (IN.)	DOOR HEIGHT (IN.)	DOOR WIDTH (W1) (IN.)	SIDELITE WIDTH (W2) (IN.)	(+) PSF	(-) PSF
156	120	72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	53.0	53.0
		72	51.0	51.0	
		78	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	53.0	53.0
66	51.0		51.0		
162	120	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	55.0	55.0
			72	53.0	53.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	54.0	54.0
			72	51.0	51.0
		72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	54.0	54.0
			66	51.0	51.0
			72	55.0	55.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	54.0	54.0
			60	52.0	52.0
			66	50.0	50.0
			72	55.0	55.0
168	120	60	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	54.0	54.0
			72	52.0	52.0
		66	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	55.0	55.0
			66	52.0	52.0
			72	50.0	50.0
		72	42	55.0	55.0
			48	55.0	55.0
			54	55.0	55.0
			60	52.0	52.0
			66	50.0	50.0
			72	55.0	55.0
		78	42	55.0	55.0
			48	55.0	55.0
			54	53.0	53.0
			60	50.0	50.0



STEP 3: JAMB/MULLION LOAD CAPACITIES



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PRODUCT SERIES

REVN	DATE/REMARKS

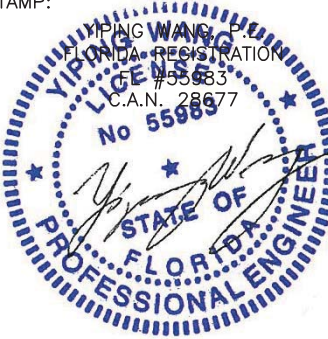
ENGINEER:



MCY ENGINEERING, INC.
GLAZING CONSULTANT

12781 MIRAMAR PARKWAY, STE 301
MIRAMAR, FL 33027
P: (305) 271-0117
Email: MCY@mcyengineering.com
www.MCYEngineering.com

STAMP:



August 03rd, 2023

FLORIDA APPROVAL:

FL #25679

SHEET TITLE:

J6

DRAWN: James

DATE: 08/03/23

DWG: AD16-17

SHEET No:

12 OF 24

ANCHOR DESIGN LOAD CAPACITIES						
NOMINAL DIMENSIONS		ANCHOR TYPES				
		AA2/A2	AA3/A3	AA4/A4	A2	A3
MULLION WIDTH	FRAME HEIGHT	1/2" SHIM			3/8" SHIM	
(IN.)	(IN.)	DESIGN LOAD (PSF)				
36	78	105.0	105.0	105.0	105.0	105.0
42		102.7	105.0	105.0	105.0	105.0
48		89.8	105.0	105.0	105.0	105.0
54		79.9	105.0	105.0	100.6	105.0
60		71.9	105.0	105.0	90.6	105.0
66		65.3	98.0	105.0	82.3	105.0
72		59.9	89.8	105.0	75.5	105.0
36	84	105.0	105.0	105.0	105.0	105.0
42		95.3	105.0	105.0	105.0	105.0
48		83.4	105.0	105.0	105.0	105.0
54		74.2	105.0	105.0	93.5	105.0
60		66.7	100.1	105.0	84.1	105.0
66		60.7	91.0	105.0	76.5	105.0
72		55.6	83.4	105.0	70.1	105.0
36	90	103.8	105.0	105.0	105.0	105.0
42		89.0	105.0	105.0	105.0	105.0
48		77.9	105.0	105.0	98.1	105.0
54		69.2	103.8	105.0	87.2	105.0
60		62.3	93.4	105.0	78.5	105.0
66		56.6	84.9	105.0	71.4	105.0
72		51.9	77.9	103.8	65.4	98.1
36	96	97.3	105.0	105.0	105.0	105.0
42		83.4	105.0	105.0	105.0	105.0
48		73.0	105.0	105.0	92.0	105.0
54		64.9	97.3	105.0	81.8	105.0
60		58.4	87.6	105.0	73.6	105.0
66		53.1	79.6	105.0	66.9	100.4
72		48.7	73.0	97.3	61.3	92.0
42	102	78.5	105.0	105.0	99.0	105.0
48		68.7	103.1	105.0	86.6	105.0
54		61.1	91.6	105.0	77.0	105.0
60		55.0	82.4	105.0	69.3	103.9
66		50.0	75.0	99.9	63.0	94.5
72		45.8	68.7	91.6	57.7	86.6
36	108	86.5	105.0	105.0	105.0	105.0
42		74.2	105.0	105.0	93.5	105.0
48		64.9	97.3	105.0	81.8	105.0
54		57.7	86.5	105.0	72.7	105.0
60		51.9	77.9	103.8	65.4	98.1
66		47.2	70.8	94.4	59.5	89.2
72		43.3	64.9	86.5	54.5	81.8
36	114	82.0	105.0	105.0	103.3	105.0
42		70.3	105.0	105.0	88.5	105.0
48		61.5	92.2	105.0	77.5	105.0
54		54.6	82.0	105.0	68.9	103.3
60		49.2	73.8	98.4	62.0	93.0
66		44.7	67.1	89.4	56.3	84.5
72		41.0	61.5	82.0	51.6	77.5
36	120	77.9	105.0	105.0	98.1	105.0
42		66.7	100.1	105.0	84.1	105.0
48		58.4	87.6	105.0	73.6	105.0
54		51.9	77.9	103.8	65.4	98.1
60		46.7	70.1	93.4	58.9	88.3
66		42.5	63.7	84.9	53.5	80.3
72		38.9	58.4	77.9	49.1	73.6

ANCHOR DESIGN LOAD CAPACITIES						
NOMINAL DIMENSIONS		ANCHOR TYPES				
		AA2/A2	AA3/A3	AA4/A4	A2	A3
MULLION WIDTH	FRAME HEIGHT	1/2" SHIM			3/8" SHIM	
(IN.)	(IN.)	DESIGN LOAD (PSF)				
36	126	74.2	105.0	105.0	93.5	105.0
42		63.6	95.3	105.0	80.1	105.0
48		55.6	83.4	105.0	70.1	105.0
54		49.4	74.2	98.9	62.3	93.5
60		44.5	66.7	89.0	56.1	84.1
66		40.5	60.7	80.9	51.0	76.5
72		37.1	55.6	74.2	46.7	70.1
36	132	70.8	105.0	105.0	89.2	105.0
42		60.7	91.0	105.0	76.5	105.0
48		53.1	79.6	105.0	66.9	100.4
54		47.2	70.8	94.4	59.5	89.2
60		42.5	63.7	84.9	53.5	80.3
66		38.6	57.9	77.2	48.7	73.0
36	138	67.7	101.6	105.0	85.3	105.0
42		58.0	87.1	105.0	73.1	105.0
48		50.8	76.2	101.6	64.0	96.0
54		45.1	67.7	90.3	56.9	85.3
60		40.6	60.9	81.3	51.2	76.8
66		36.9	55.4	73.9	46.5	69.8
36	144	64.9	97.3	105.0	81.8	105.0
42		55.6	83.4	105.0	70.1	105.0
48		48.7	73.0	97.3	61.3	92.0
54		43.3	64.9	86.5	54.5	81.8
60		38.9	58.4	77.9	49.1	73.6
36	150	62.3	93.4	105.0	78.5	105.0
42		53.4	80.1	105.0	67.3	100.9
48		46.7	70.1	93.4	58.9	88.3
54		41.5	62.3	83.1	52.3	78.5
60		37.4	56.1	74.8	47.1	70.7
36	156	59.9	89.8	105.0	75.5	105.0
42		51.3	77.0	102.7	64.7	97.1
48		44.9	67.4	89.8	56.6	84.9
54		39.9	59.9	79.9	50.3	75.5
36	162	57.7	86.5	105.0	72.7	105.0
42		49.4	74.2	98.9	62.3	93.5
48		43.3	64.9	86.5	54.5	81.8
54		38.5	57.7	76.9	48.5	72.7
36	168	55.6	83.4	105.0	70.1	105.0
42		47.7	71.5	95.3	60.1	90.1
48		41.7	62.6	83.4	52.6	78.9
54		37.1	55.6	74.0	46.7	70.1

ANCHOR TYPES:

TYPE "A": 1/4" DIA. ULTRACON+ (Fu=164 KSI, Fy=148 KSI)
1 3/4" MIN. EMBED INTO fc'=3 KSI MIN. CONCRETE
2 1/2" MIN. EDGE DISTANCE, 2 3/4" MIN. O.C.

TYPE "AA": 1/4" DIA. ULTRACON+ (Fu=164 KSI, Fy=148 KSI)
1 1/2" MIN. EMBED INTO WOOD (SG=0.55 MIN.)
OR THRU 1X OR 2X WOOD BUCK INTO CONCRETE
W/ 1 3/4" MIN. EMBED INTO CONC.

A2 - (2) TYPE "A" ANCHORS AT EACH SIDE OF MULLION OR JAMB

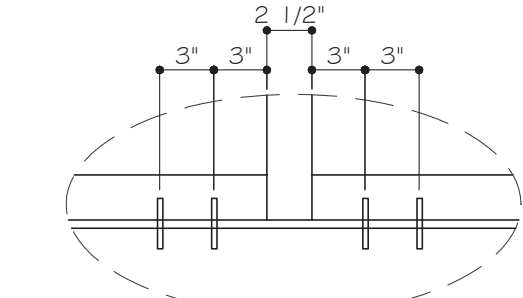
A3 - (3) TYPE "A" ANCHORS AT EACH SIDE OF MULLION OR JAMB

A4 - (4) TYPE "A" ANCHORS AT EACH SIDE OF MULLION OR JAMB

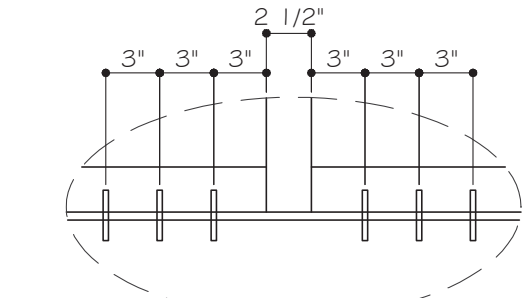
AA2 - (2) TYPE "AA" ANCHORS AT EACH SIDE OF MULLION OR JAMB

AA3 - (3) TYPE "AA" ANCHORS AT EACH SIDE OF MULLION OR JAMB

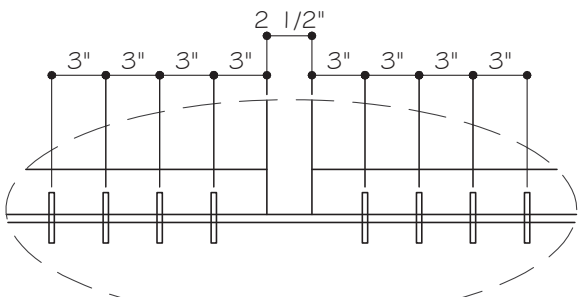
AA4 - (4) TYPE "AA" ANCHORS AT EACH SIDE OF MULLION OR JAMB



A2, AA2



A3, AA3



A4, AA4

ANCHOR THRU FRAME



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REVN	DATE/REMARKS

ENGINEER:



MCY ENGINEERING, INC.
GLAZING CONSULTANT

12781 MIRAMAR PARKWAY, STE 301
MIRAMAR, FL 33027
P: (305) 271-0117
Email: MCY@mcyengineering.com
www.MCYEngineering.com

STAMP:



August 03rd, 2023

FLORIDA APPROVAL:

FL #25679

SHEET TITLE:

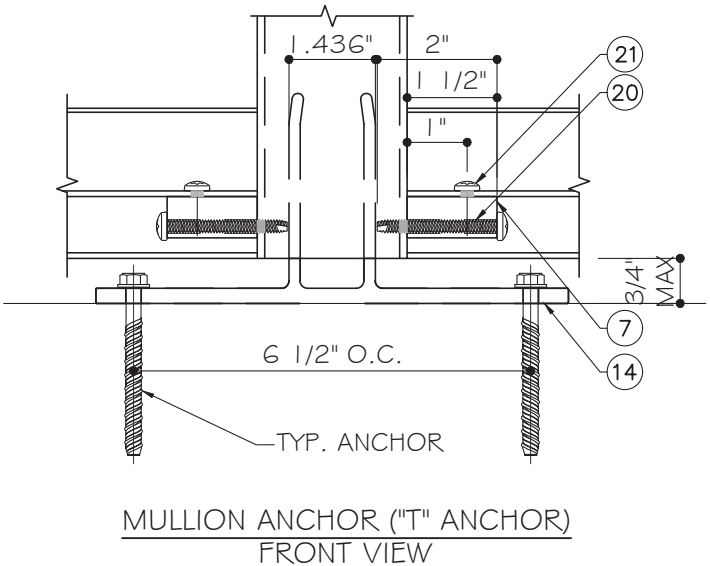
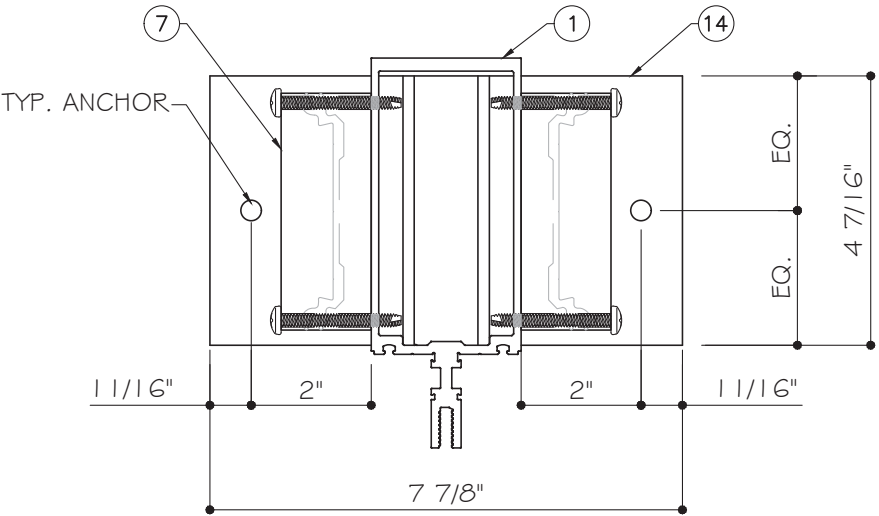
A1

DRAWN: James	SHEET No:
DATE: 08/03/23	13 OF 24
DWG: AD16-17	

ANCHOR DESIGN LOAD CAPACITIES						
NOMINAL DIMENSIONS		ANCHOR TYPES				
		B2	B3	C2	C3	D4
MULLION WIDTH	FRAME HEIGHT	3/4" SHIM		1/4" SHIM		5/16" SHIM
(IN.)	(IN.)	DESIGN LOAD (PSF)				
36	78	105.0	105.0	105.0	105.0	105.0
42		105.0	105.0	105.0	105.0	105.0
48		105.0	105.0	105.0	105.0	105.0
54		105.0	105.0	105.0	105.0	105.0
60		96.2	105.0	105.0	105.0	105.0
66		87.5	105.0	102.5	105.0	105.0
72		80.2	105.0	93.9	105.0	105.0
36	84	105.0	105.0	105.0	105.0	105.0
42		105.0	105.0	105.0	105.0	105.0
48		105.0	105.0	105.0	105.0	105.0
54		99.3	105.0	105.0	105.0	105.0
60		89.4	105.0	104.7	105.0	105.0
66		81.2	105.0	95.2	105.0	105.0
72		74.5	105.0	87.2	105.0	105.0
36	90	105.0	105.0	105.0	105.0	105.0
42		105.0	105.0	105.0	105.0	105.0
48		104.3	105.0	105.0	105.0	105.0
54		92.7	105.0	105.0	105.0	105.0
60		83.4	105.0	97.7	105.0	105.0
66		75.8	105.0	88.8	105.0	105.0
72		69.5	104.3	81.4	105.0	101.9
36	96	105.0	105.0	105.0	105.0	105.0
42		105.0	105.0	105.0	105.0	105.0
48		97.8	105.0	105.0	105.0	105.0
54		86.9	105.0	101.8	105.0	105.0
60		78.2	105.0	91.6	105.0	105.0
66		71.1	105.0	83.3	105.0	104.2
72		65.2	97.8	76.3	105.0	95.5
42	102	105.0	105.0	105.0	105.0	105.0
48		92.0	105.0	105.0	105.0	105.0
54		81.8	105.0	95.8	105.0	105.0
60		73.6	105.0	86.2	105.0	105.0
66		66.9	100.4	78.4	105.0	98.1
72		61.3	92.0	71.8	105.0	89.9
36	108	105.0	105.0	105.0	105.0	105.0
42		99.3	105.0	105.0	105.0	105.0
48		86.9	105.0	101.8	105.0	105.0
54		77.2	105.0	90.5	105.0	105.0
60		69.5	104.3	81.4	105.0	101.9
66		63.2	94.8	74.0	105.0	92.6
72		57.9	86.9	67.9	101.8	84.9
36	114	105.0	105.0	105.0	105.0	105.0
42		94.1	105.0	105.0	105.0	105.0
48		82.3	105.0	96.4	105.0	105.0
54		73.2	105.0	85.7	105.0	105.0
60		65.9	98.8	77.1	105.0	96.5
66		59.9	89.8	70.1	105.0	87.7
72		54.9	82.3	64.3	96.4	80.4
36	120	104.3	105.0	105.0	105.0	105.0
42		89.4	105.0	104.7	105.0	105.0
48		78.2	105.0	91.6	105.0	105.0
54		69.5	104.3	81.4	105.0	101.9
60		62.6	93.8	73.3	105.0	91.7
66		56.9	85.3	66.6	99.9	83.3
72		52.1	78.2	61.1	91.6	76.4

ANCHOR DESIGN LOAD CAPACITIES				
NOMINAL DIMENSIONS		ANCHOR TYPES		
MULLION WIDTH	FRAME HEIGHT	B	E	F
(IN.)	(IN.)	DESIGN LOAD (PSF)		
36	78	105.0	105.0	105.0
42		105.0	105.0	105.0
48		105.0	105.0	105.0
54		95.2	105.0	105.0
60		85.7	105.0	105.0
66		77.9	103.0	105.0
72		71.4	94.5	105.0
36	84	105.0	105.0	105.0
42		105.0	105.0	105.0
48		99.4	105.0	105.0
54		88.4	105.0	105.0
60		79.5	105.0	105.0
66		72.3	95.7	105.0
72		66.3	87.7	105.0
36	90	105.0	105.0	105.0
42		105.0	105.0	105.0
48		92.8	105.0	105.0
54		82.5	105.0	105.0
60		74.2	98.2	105.0
66		67.5	89.3	105.0
72		61.9	81.9	104.2
36	96	105.0	105.0	105.0
42		99.4	105.0	105.0
48		87.0	105.0	105.0
54		77.3	102.3	105.0
60		69.6	92.1	105.0
66		63.3	83.7	105.0
72		58.0	76.8	97.7
42	102	93.6	105.0	105.0
48		81.9	105.0	105.0
54		72.8	96.3	105.0
60		65.5	86.7	105.0
66		59.6	78.8	100.3
72		54.6	72.2	91.9
36	108	103.1	105.0	105.0
42		88.4	105.0	105.0
48		77.3	102.3	105.0
54		68.7	91.0	105.0
60		61.9	81.9	104.2
66		56.2	74.4	94.7
72		51.6	68.2	86.8
36	114	97.7	105.0	105.0
42		83.7	105.0	105.0
48		73.3	96.9	105.0
54		65.1	86.2	105.0
60		58.6	77.6	98.7
66		53.3	70.5	89.7
72		48.8	64.6	82.2
36	120	92.8	105.0	105.0
42		79.5	105.0	105.0
48		69.6	92.1	105.0
54		61.9	81.9	104.2
60		55.7	73.7	93.8
66		50.6	67.0	85.2
72		46.4	61.4	78.1

ANCHOR DESIGN LOAD CAPACITIES				
NOMINAL DIMENSIONS		ANCHOR TYPES		
MULLION WIDTH	FRAME HEIGHT	B	E	F
(IN.)	(IN.)	DESIGN LOAD (PSF)		
36	126	88.4	105.0	105.0
42		75.8	100.2	105.0
48		66.3	87.7	105.0
54		58.9	78.0	99.2
60		53.0	70.2	89.3
66		48.2	63.8	81.2
72		44.2	58.5	74.4
36	132	84.4	105.0	105.0
42		72.3	95.7	105.0
48		63.3	83.7	105.0
54		56.2	74.4	94.7
60		50.6	67.0	85.2
66		46.0	60.9	77.5
72		42.2	55.5	70.2
36	138	80.7	105.0	105.0
42		69.2	91.5	105.0
48		60.5	80.1	101.9
54		53.8	71.2	90.6
60		48.4	64.1	81.5
66		44.0	58.2	74.1
72		40.2	52.8	66.8
36	144	77.3	102.3	105.0
42		66.3	87.7	105.0
48		58.0	76.8	97.7
54		51.6	68.2	86.8
60		46.4	61.4	78.1
66		42.2	55.5	70.2
72		38.4	49.6	62.4
36	150	74.2	98.2	105.0
42		63.6	84.2	105.0
48		55.7	73.7	93.8
54		49.5	65.5	83.3
60		44.5	58.9	75.0
66		40.2	52.8	66.8
72		36.4	46.9	58.8
36	156	71.4	94.5	105.0
42		61.2	81.0	103.0
48		53.5	70.8	90.2
54		47.6	63.0	80.1
60		42.2	55.5	70.2
66		38.4	49.6	62.4
72		34.6	43.7	54.6
36	162	68.7	91.0	105.0
42		58.9	78.0	99.2
48		51.6	68.2	86.8
54		45.8	60.6	77.2
60		40.2	52.8	66.8
66		36.4	46.9	58.8
72		32.6	41.0	50.8
36	168	66.3	87.7	105.0
42		56.8	75.2	95.7
48		49.7	65.8	83.7
54		44.2	58.5	74.4
60		39.7	51.2	64.1
66		35.2	43.9	54.6
72		30.7	36.6	45.1



ANCHOR TYPES (FOR "T" ANCHOR) :
TYPE "B": 5/16" DIA. ULTRACON (Fu=177 KSI, Fy=155 KSI)
1 3/4" MIN. EMBED INTO fc'=3 KSI MIN. CONCRETE
3" MIN. EDGE DISTANCE, 6 1/2" MIN. O.C.

TYPE "E": 3/8" DIA. POWERS WEDGE BOLTS (Fu=120 KSI, Fy=92 KSI)
3" MIN. EMBED INTO fc'=3 KSI MIN. CONCRETE
4" MIN. EDGE DISTANCE, 6 1/2" MIN. O.C.

TYPE "F": 5/16" TEK/Self-Drilling Screw, GRADE 5 (Fu=120 KSI, Fy=92 KSI)
INTO 3/16" MIN THK ALUM. (6063-T6 MIN.) OR
1/8" THK. MIN. STEEL STRUCTURE

PRODUCT:

Series
8200 ALUMINUM
CURTAIN WALL
LARGE & SMALL-MISSILE
IMPACT

Resistor
PRODUCT SERIES

REVN DATE/REMARKS

ENGINEER:

MCY ENGINEERING, INC.
GLAZING CONSULTANT

12781 MIRAMAR PARKWAY, STE 301
MIRAMAR, FL 33027
P: (305) 271-0117
Email: MCY@mcyengineering.com
www.MCYEngineering.com

STAMP:



August 03rd, 2023

FLORIDA APPROVAL:

FL #25679

SHEET TITLE:

A3

DRAWN: James

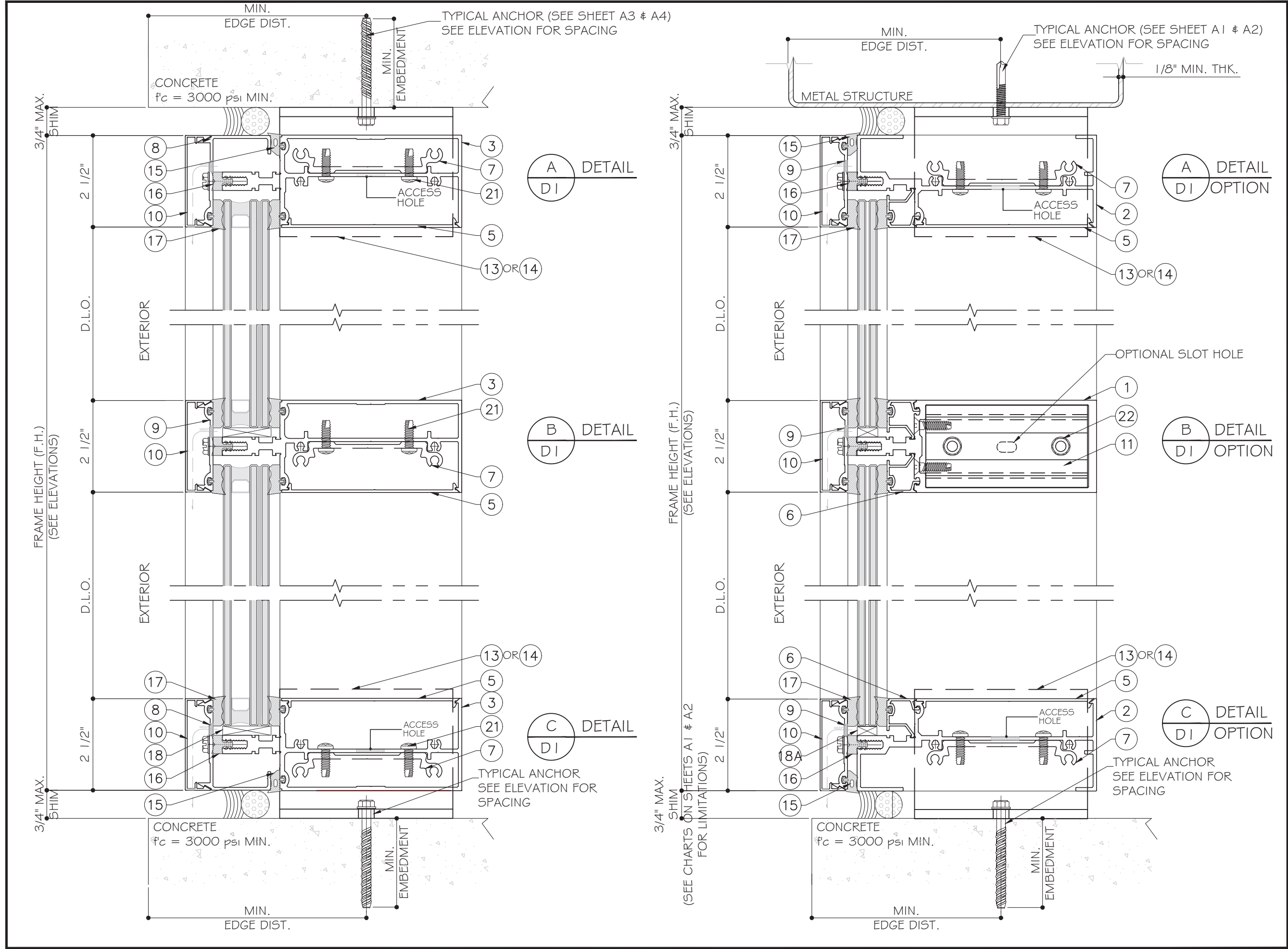
DATE: 08/03/23

DWG: AD16-17

SHEET No:

15 OF 24

ANCHOR DESIGN LOAD CAPACITIES					
NOMINAL DIMENSIONS		ANCHOR TYPES			
MULLION WIDTH (IN.)	FRAME HEIGHT (IN.)	AA OR A	B	E	C
DESIGN LOAD (PSF)					
36	78	105.0	105.0	105.0	105.0
42		105.0	105.0	105.0	105.0
48		105.0	105.0	105.0	105.0
54		97.9	105.0	105.0	105.0
60		88.1	105.0	105.0	105.0
66		80.1	105.0	105.0	105.0
72		73.4	105.0	105.0	105.0
36	84	105.0	105.0	105.0	105.0
42		105.0	105.0	105.0	105.0
48		102.3	105.0	105.0	105.0
54		90.9	105.0	105.0	105.0
60		81.8	105.0	105.0	105.0
66		74.4	105.0	105.0	105.0
72		68.2	105.0	105.0	105.0
36	90	105.0	105.0	105.0	105.0
42		105.0	105.0	105.0	105.0
48		95.5	105.0	105.0	105.0
54		84.9	105.0	105.0	105.0
60		76.4	105.0	105.0	105.0
66		69.4	105.0	105.0	105.0
72		63.6	102.1	99.4	105.0
36	96	105.0	105.0	105.0	105.0
42		102.3	105.0	105.0	105.0
48		89.5	105.0	105.0	105.0
54		79.6	105.0	105.0	105.0
60		71.6	105.0	105.0	105.0
66		65.1	104.5	101.6	105.0
72		59.7	95.8	93.2	104.2
42	102	96.3	105.0	105.0	105.0
48		84.2	105.0	105.0	105.0
54		74.9	105.0	105.0	105.0
60		67.4	105.0	105.0	105.0
66		61.3	98.3	95.7	105.0
72		56.2	90.1	87.7	98.0
36	108	105.0	105.0	105.0	105.0
42		90.9	105.0	105.0	105.0
48		79.6	105.0	105.0	105.0
54		70.7	105.0	105.0	105.0
60		63.6	102.1	99.4	105.0
66		57.9	92.8	90.3	101.0
72	53.0	85.1	82.8	92.6	
36	114	100.5	105.0	105.0	105.0
42		86.1	105.0	105.0	105.0
48		75.4	105.0	105.0	105.0
54		67.0	105.0	104.6	105.0
60		60.3	96.8	94.1	105.0
66		54.8	88.0	85.6	95.7
72	50.2	80.6	78.5	87.7	
36	120	95.5	105.0	105.0	105.0
42		81.8	105.0	105.0	105.0
48		71.6	105.0	105.0	105.0
54		63.6	102.1	99.4	105.0
60		57.3	91.9	89.4	100.0
66		52.1	83.6	81.3	90.9
72	47.7	76.6	74.5	83.3	



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PRODUCT:

Series
8200 ALUMINUM
CURTAIN WALL
LARGE & SMALL-MISSILE
IMPACT

Resistor
PRODUCT SERIES

REVN	DATE/REMARKS

ENGINEER:

MCY ENGINEERING, INC.
GLAZING CONSULTANT
12781 MIRAMAR PARKWAY, STE 301
MIRAMAR, FL 33027
P: (305) 271-0117
Email: MCY@mcyengineering.com
www.MCYEngineering.com

STAMP:

YIPING WANG, P.E.
FLORIDA REGISTRATION
#55983
C.A.N. 28677

August 03rd, 2023

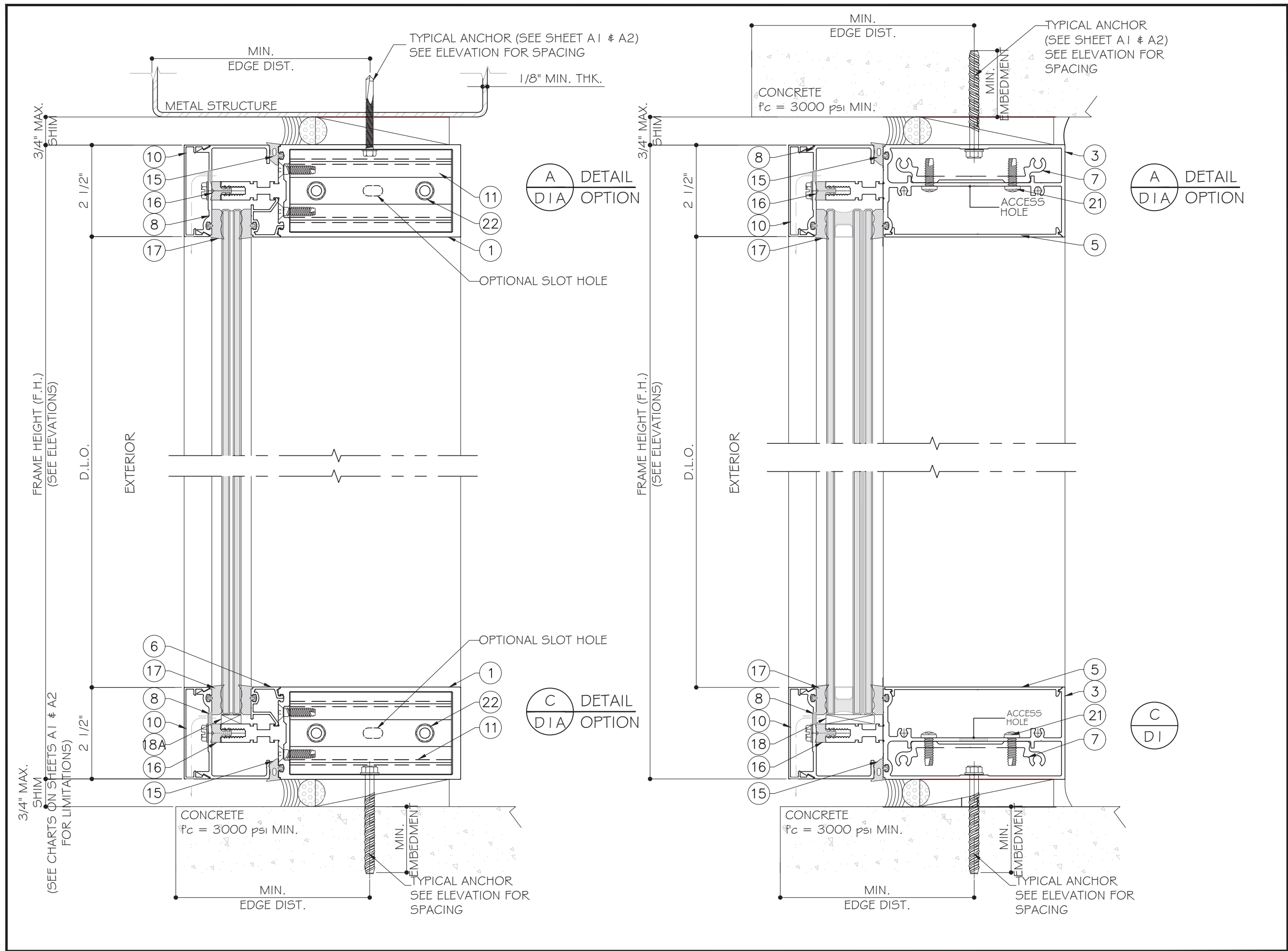
FLORIDA APPROVAL:

FL #25679

SHEET TITLE:

D1

DRAWN: James	SHEET No:
DATE: 08/03/23	17 OF 24
DWG: AD16-17	





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PRODUCT:

Series
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IMPACT

Resistor
PRODUCT SERIES

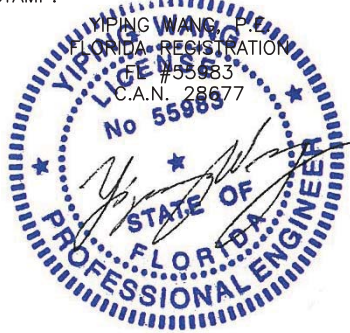
REVN	DATE/REMARKS

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MIRAMAR, FL 33027
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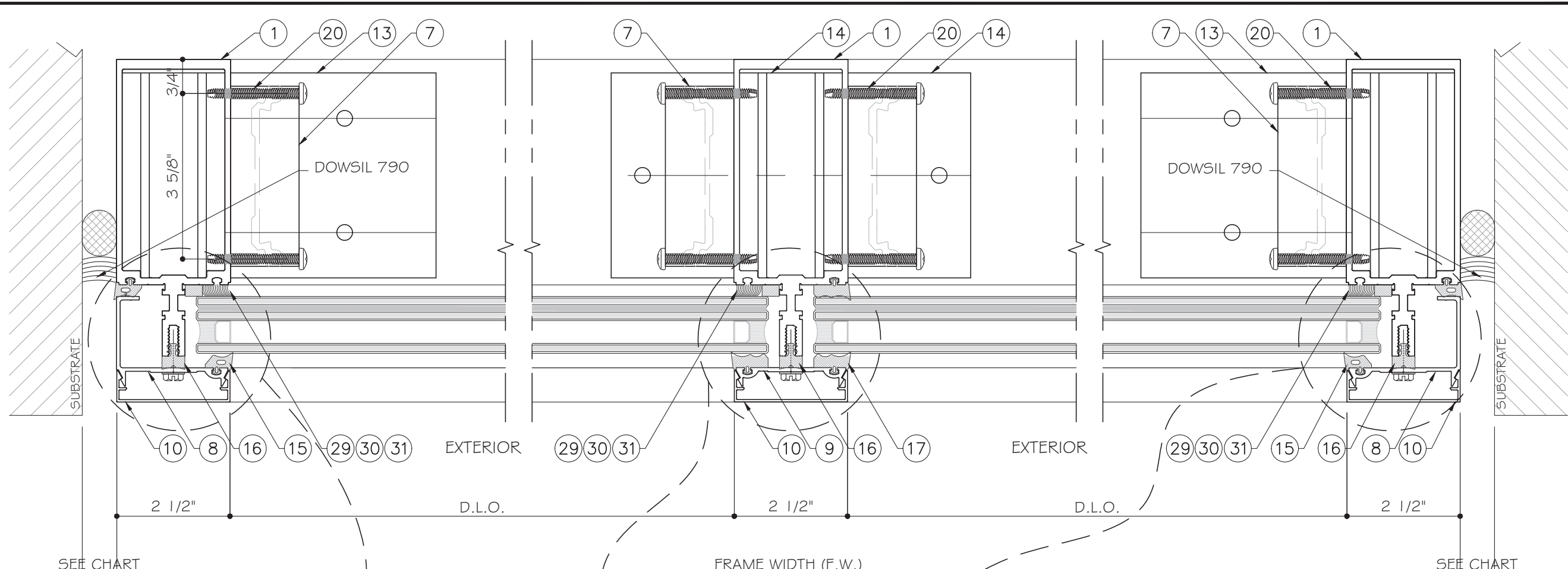
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FL #25679

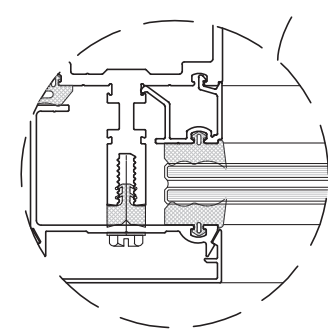
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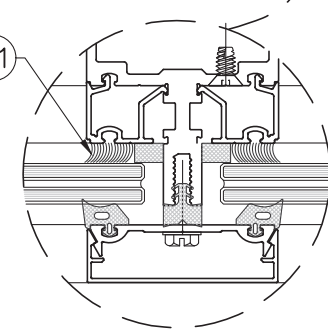
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DATE: 08/03/23	18 OF 24
DWG: AD16-17	



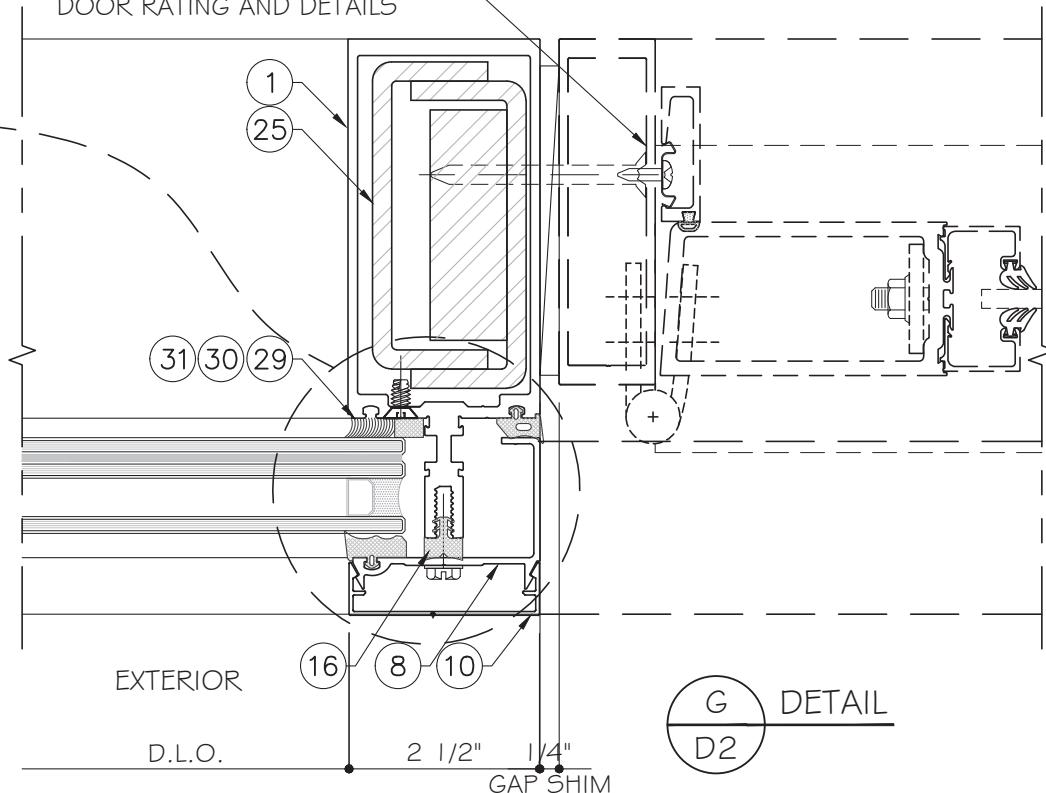
D DETAIL
D2



E DETAIL
D2



F DETAIL
D2



G DETAIL
D2

MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
96"	5/16"	1-1/8"
108"	5/16"	1-1/8"
120"	3/8"	1-1/8"
132"	3/8"	1-1/8"
144"	3/8"	1-1/8"
156"	1/2"	1-1/8"
168"	1/2"	1-1/8"

MAX. FRAME WIDTH	MAX. GAP AT EACH SIDE
30 FT.	1-1/8"
≥ 60 FT.	1-1/8"

INSULATED LAMINATED GLASS SHOWN.
GLASS TYPES ARE INTERCHANGEABLE.

NOTE:
MULLIONS SHOWN IN DASHED LINES ARE NOT PART OF THIS APPROVAL.

FLORIDA
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DOOR RATING AND DETAILS

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PRODUCT:
Series 8200 ALUMINUM
CURTAIN WALL
LARGE & SMALL-MISSILE IMPACT
Resistor
PRODUCT SERIES

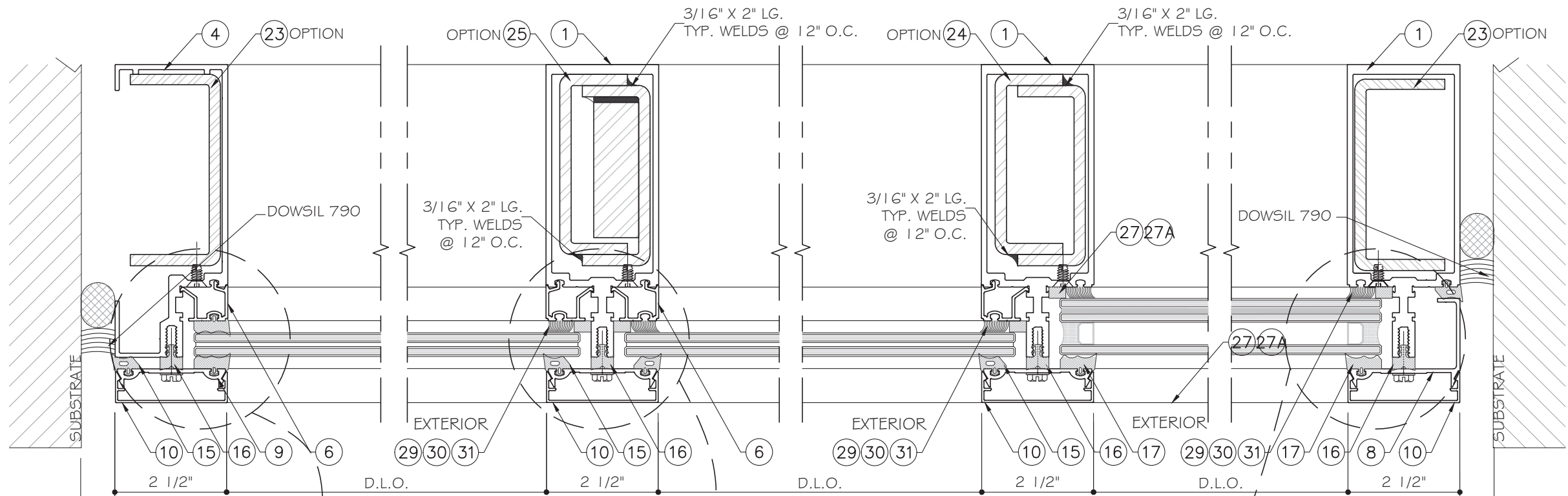
REVN	DATE/REMARKS

ENGINEER:
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No. 55983
C.A.N. 28677
STATE OF FLORIDA
PROFESSIONAL ENGINEER
August 03rd, 2023

FLORIDA APPROVAL:
FL #25679

SHEET TITLE:
D2
DRAWN: James
DATE: 08/03/23
DWG: AD16-17
SHEET No:
19 OF 24



SEE CHART
ON SHEET D2

FRAME WIDTH (F.W.)
SEE ELEVATIONS

SEE CHART
ON SHEET D2

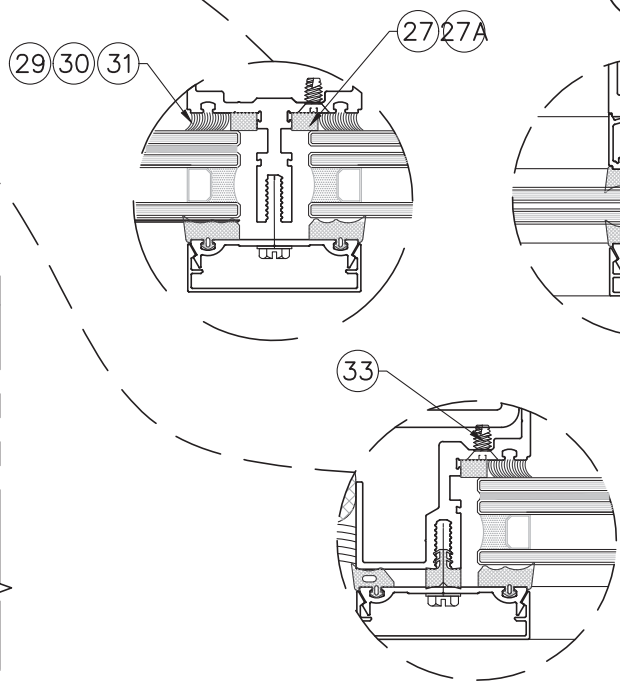
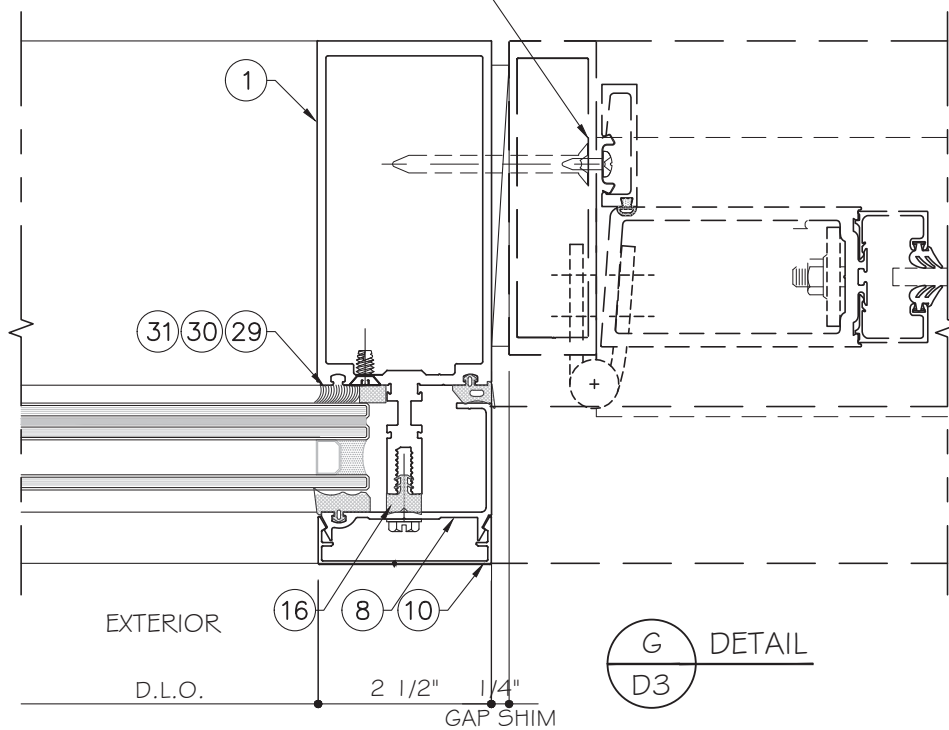
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D3
DETAIL

I
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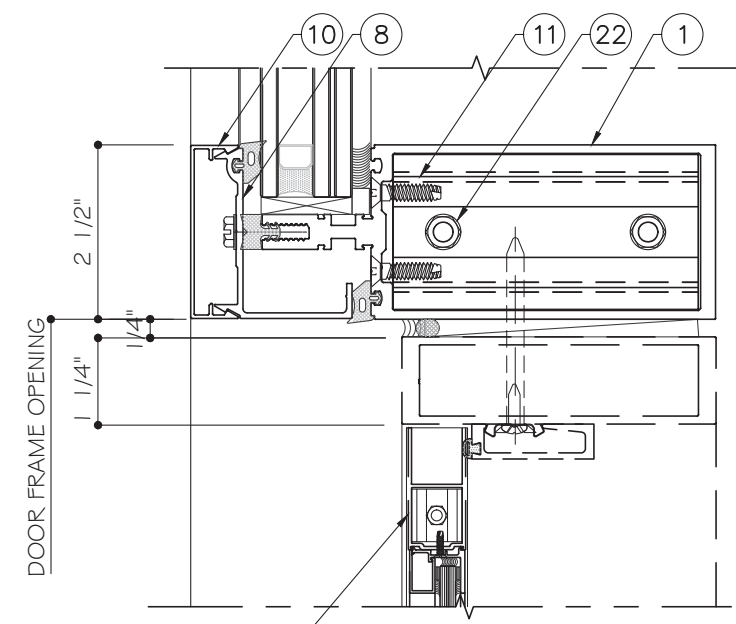
J
D3
DETAIL

K
D3
DETAIL

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LAMINATED AND INSULATED LAMINATED
GLASS SHOWN.
GLASS TYPES ARE INTERCHANGEABLE.



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L
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DETAIL



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PRODUCT:

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LARGE & SMALL-MISSILE
IMPACT



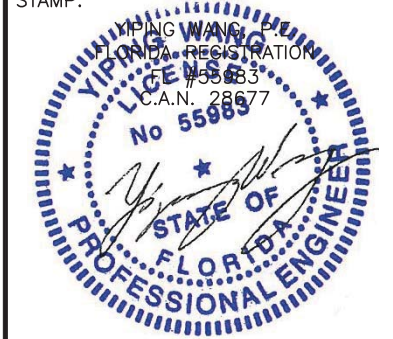
REVN	DATE/REMARKS

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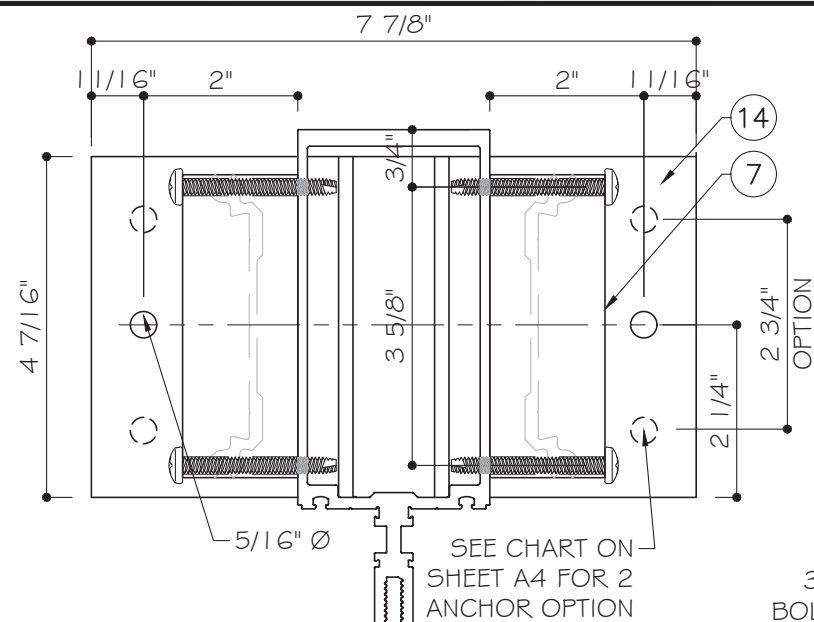
FL #25679

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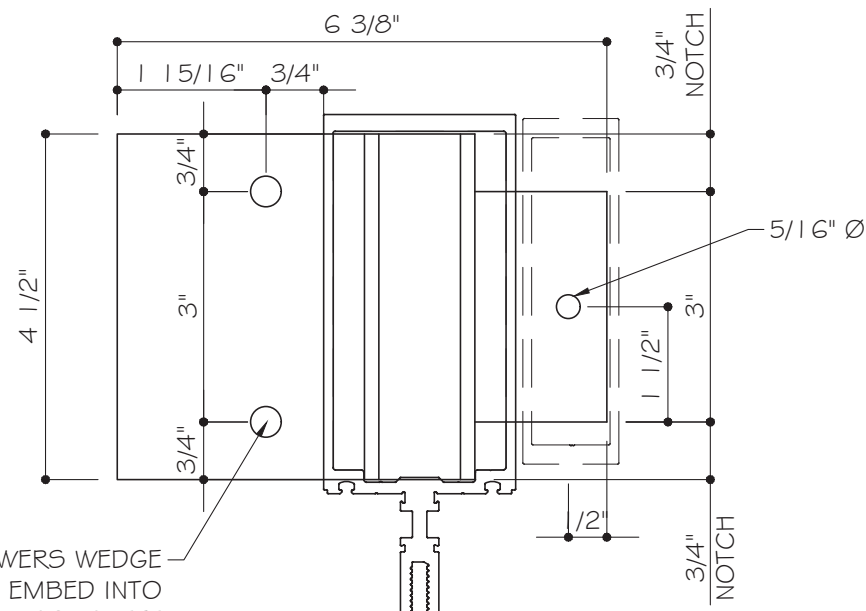
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DRAWN: James
DATE: 08/03/23
DWG: AD16-17

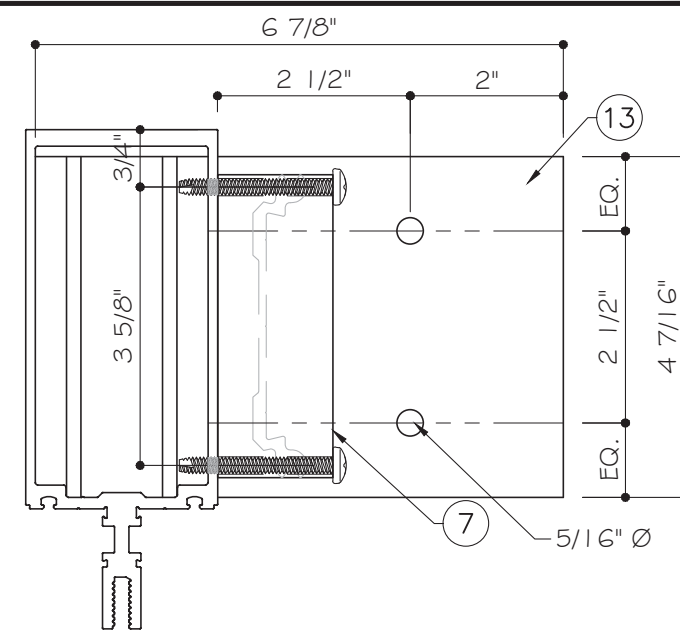
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20 OF 24



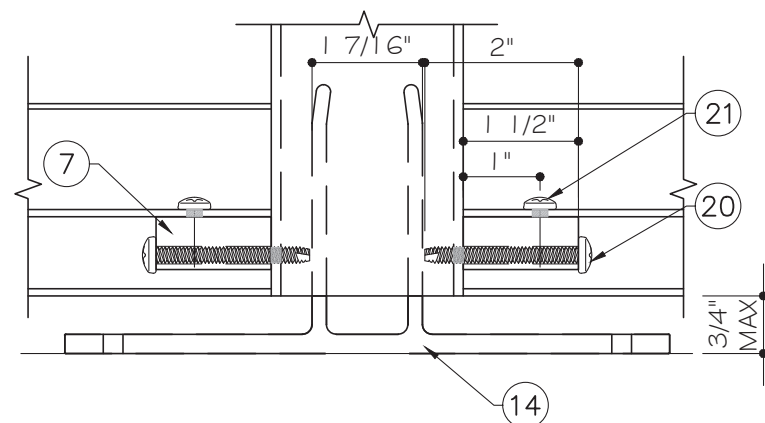
MULLION ANCHOR ("T" ANCHOR)
TOP VIEW



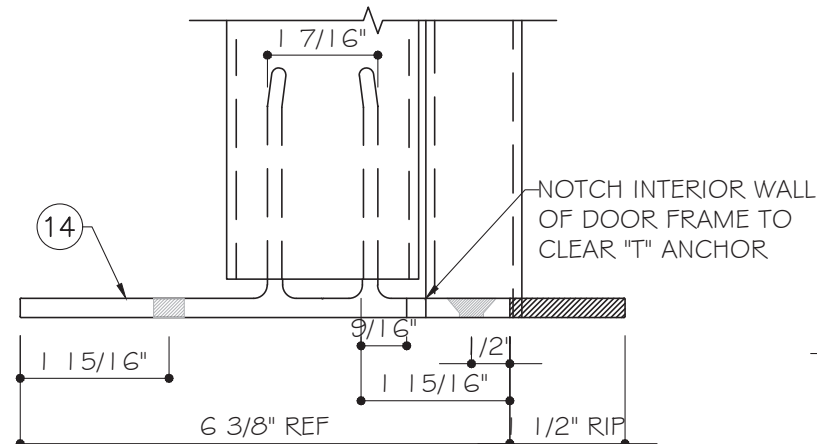
DOOR JAMB ANCHOR ("T" ANCHOR)
TOP VIEW



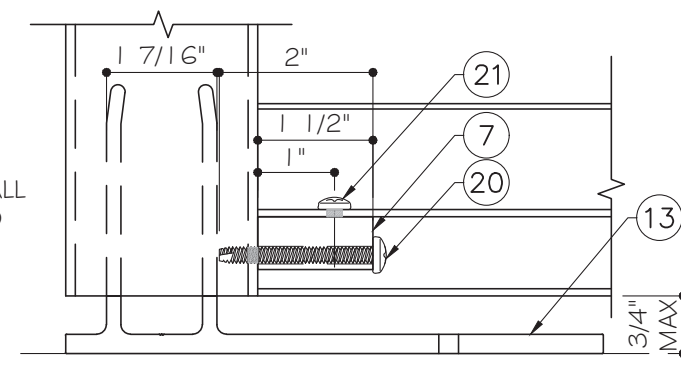
JAMB ANCHOR ("F" ANCHOR)
TOP VIEW



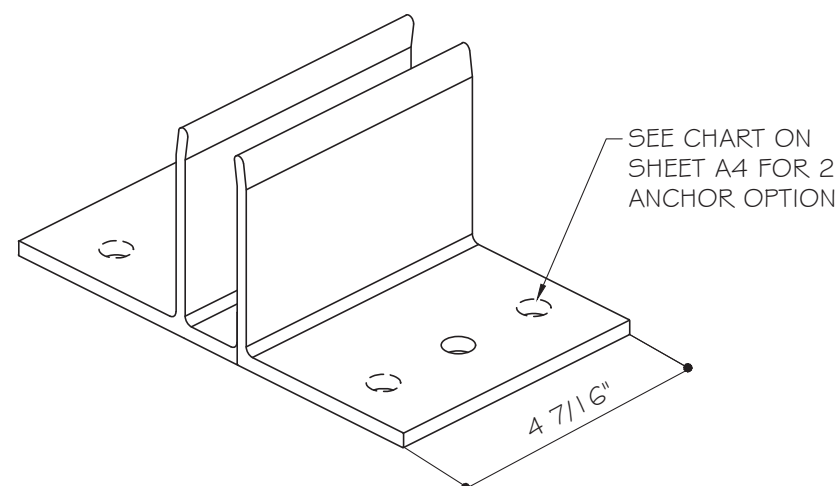
MULLION ANCHOR ("T" ANCHOR)
FRONT VIEW



MULLION ANCHOR ("T" ANCHOR)
FRONT VIEW

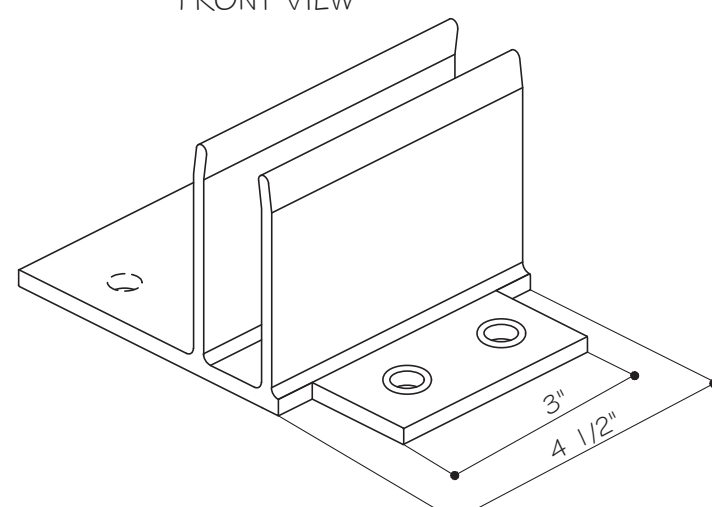


JAMB ANCHOR ("F" ANCHOR)
FRONT VIEW



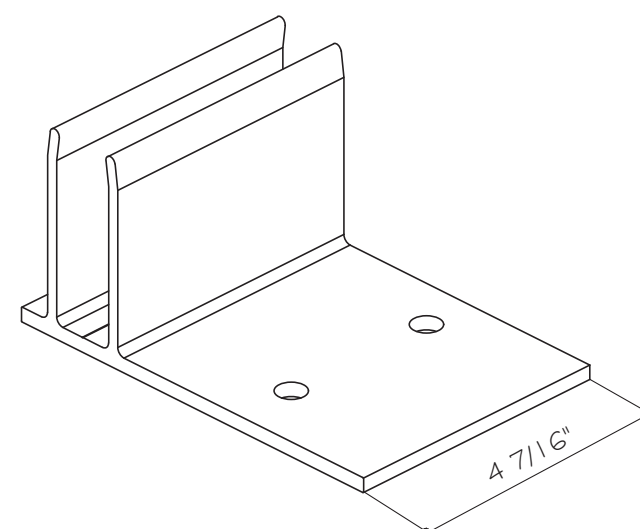
MULLION ANCHOR ("T" ANCHOR)
3D VIEW

1
D4
DETAIL



DOOR JAMB ANCHOR ("T" ANCHOR)
3D VIEW

2
D4
DETAIL



JAMB ANCHOR ("F" ANCHOR)
3D VIEW

3
D4
DETAIL

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PRODUCT:

Series
8200 ALUMINUM
CURTAIN WALL
LARGE & SMALL-MISSILE
IMPACT

Resistor
PRODUCT SERIES

REVN	DATE/REMARKS

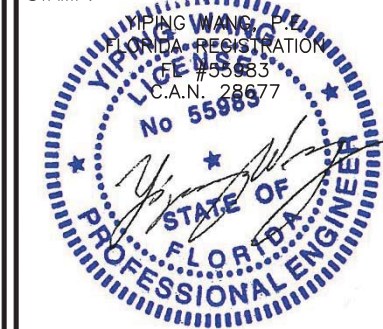
ENGINEER:



MCY ENGINEERING, INC.
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August 03rd, 2023

FLORIDA APPROVAL:

FL #25679

SHEET TITLE:

D4

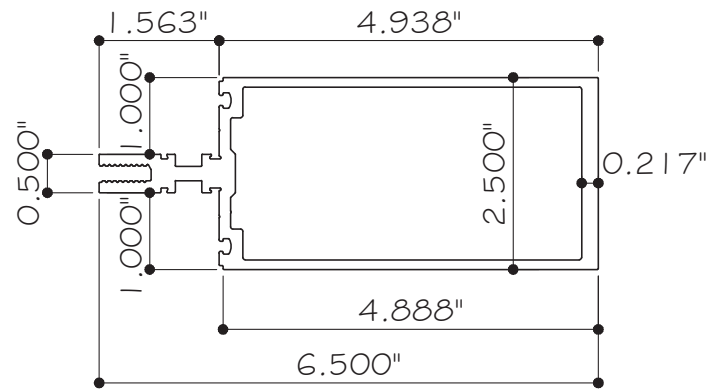
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DATE: 08/03/23

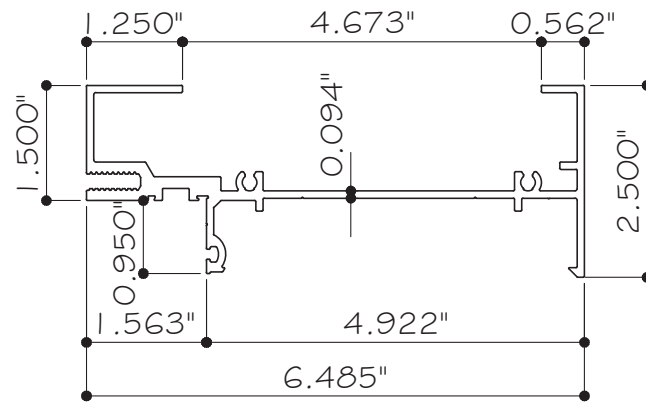
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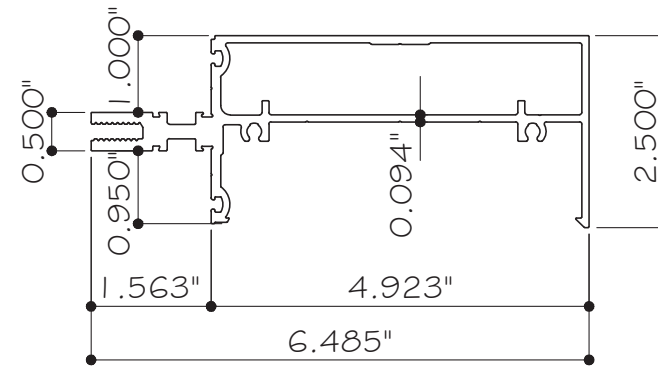
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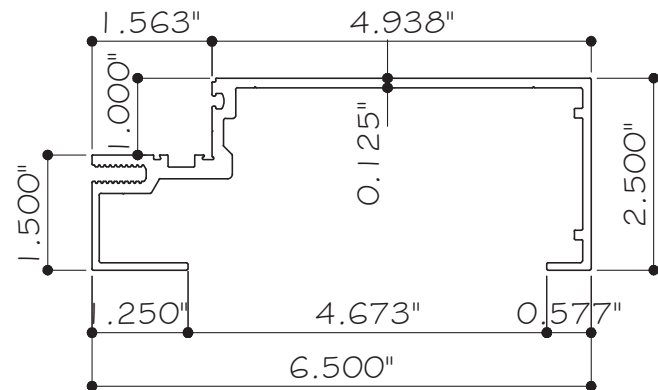
① VERTICAL MULLION/JAMB
(82501) ALUMINUM 6063-T6



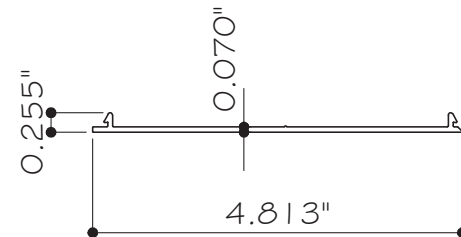
② OPEN BACK HEAD/SILL
(82508) ALUMINUM 6063-T6



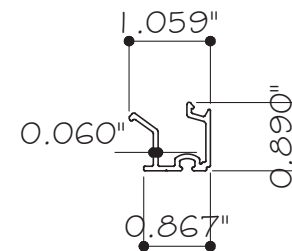
③ HEAD/SILL/HORIZONTAL MULLION
(82503) ALUMINUM 6063-T6



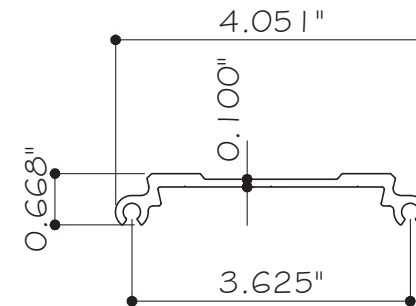
④ OPEN BACK JAMB
(82504) ALUMINUM 6063-T6



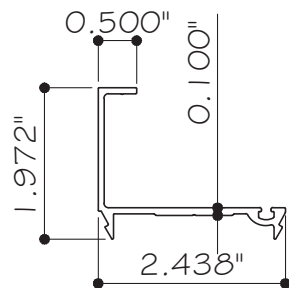
⑤ FLAT FILLER
(82505) ALUMINUM 6063-T6



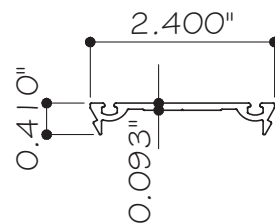
⑥ 9/16" GLAZING ADAPTER
(81009) ALUMINUM 6063-T6



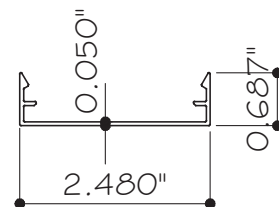
⑦ SHEAR CLIP
(81530) ALUMINUM 6063-T6



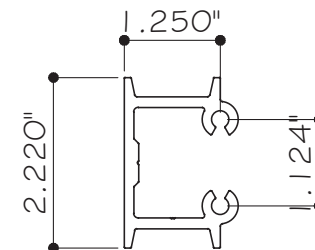
⑧ PERIMETER PRESSURE BAR
(82001) ALUMINUM 6063-T6



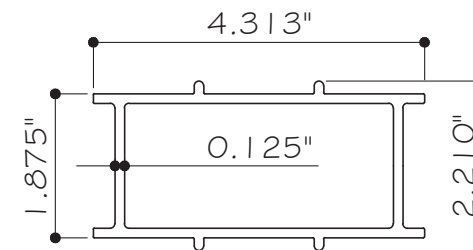
⑨ PRESSURE BAR
(81002) ALUMINUM 6063-T6



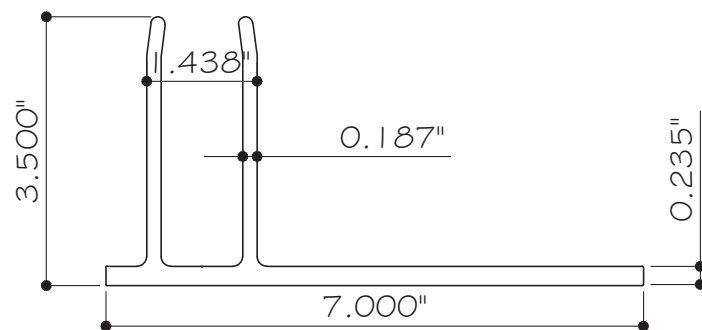
⑩ COVER CAP
(81005) ALUMINUM 6063-T6



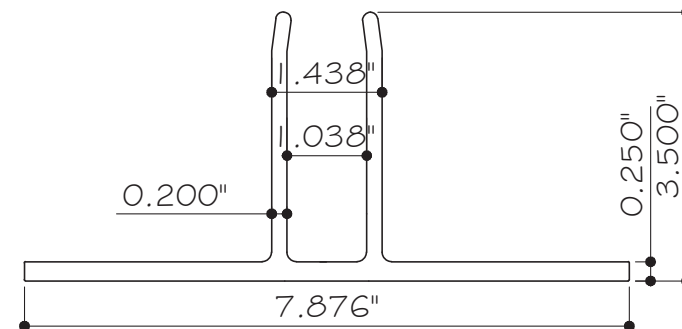
⑪ SHEAR CLIP FOR DOOR TRANSOM
(81531) ALUMINUM 6063-T6



⑫ SPLICE SLEEVE/REINFORCEMENT
(81520) ALUMINUM 6063-T6



⑬ JAMB MULLION ANCHOR
(82590) ALUMINUM 6063-T6



⑭ INTERMEDIATE MULLION ANCHOR
(82591) ALUMINUM 6063-T6



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PRODUCT:

Series
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CURTAIN WALL
LARGE & SMALL-MISSILE
IMPACT



REVN	DATE/REMARKS

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STAMP:



August 03rd, 2023

FLORIDA APPROVAL:

FL #25679

SHEET TITLE:

PARTS

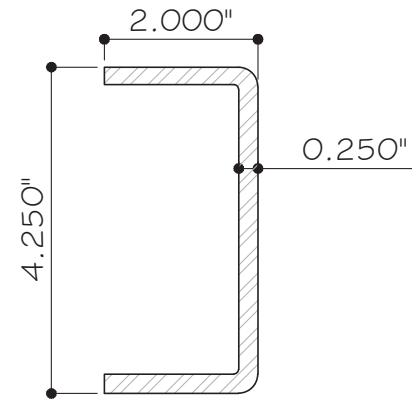
DRAWN: James

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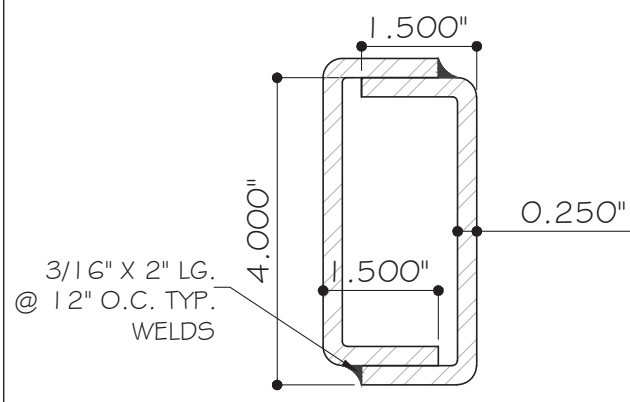
DWG: AD16-17

SHEET No:

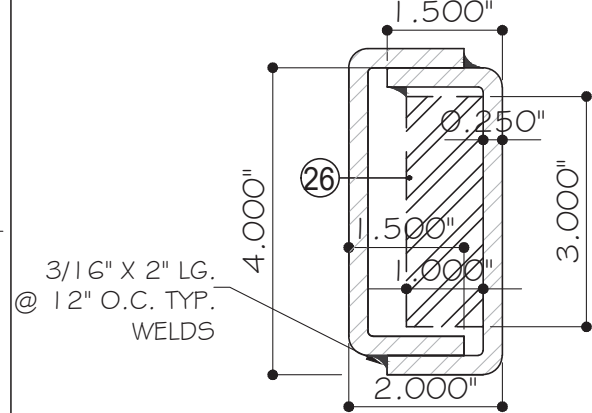
22 OF 24



23 ST824 REINFORCEMENT
A36 STEEL



24 ST822 REINFORCEMENT
A36 STEEL



25 ST821 REINFORCEMENT
A36 STEEL



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PRODUCT:

Series

8200 ALUMINUM

CURTAIN WALL

LARGE & SMALL-MISSILE

IMPACT



PRODUCT SERIES

REVN	DATE/REMARKS

ENGINEER:

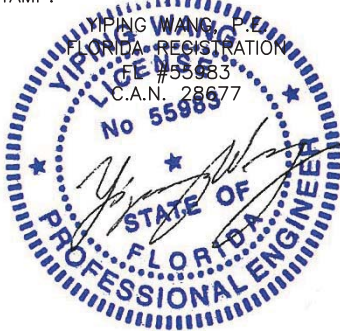


MCY ENGINEERING, INC.

GLAZING CONSULTANT

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STAMP:



YIPING WANG, P.E.
FLORIDA REGISTRATION
#55983
C.A.N. 28677

August 03rd, 2023

FLORIDA APPROVAL:

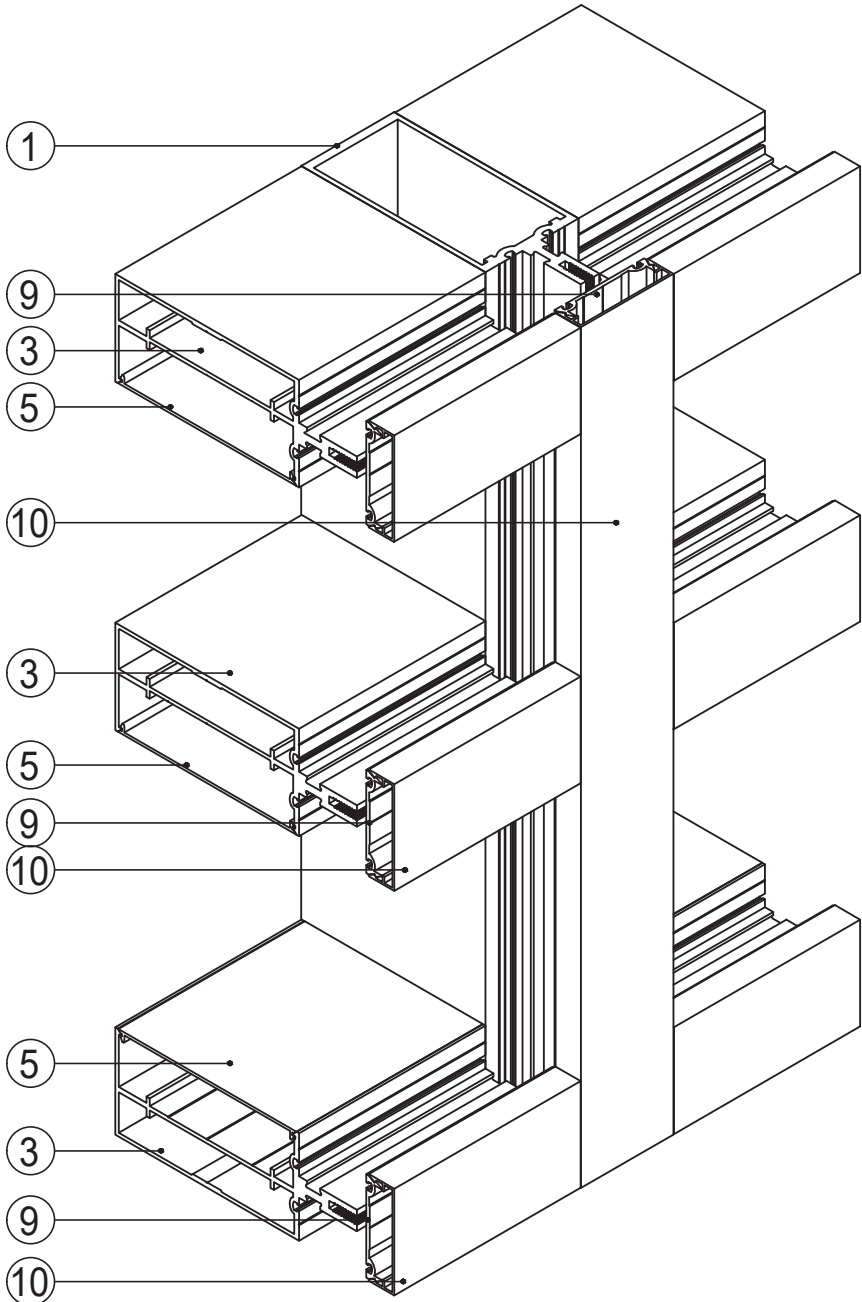
FL #25679

SHEET TITLE:

PARTS

DRAWN: James	SHEET No:
DATE: 08/03/23	23 OF 24
DWG: AD16-17	

BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	REMARKS
1	82501	VERTICAL MULLION/JAMB	6063-T6	BONNELL
2	82508	OPEN BACK HEAD/SILL	6063-T6	BONNELL
3	82503	HEAD/SILL HORIZONTAL MULLION	6063-T6	BONNELL
4	82504	OPEN BACK JAMB	6063-T6	BONNELL
5	82505	FLAT FILLER	6063-T6	BONNELL
6	81009	9/16 GLAZING ADAPTER	6063-T6	BONNELL
7	81530	SHEAR CLIP	6063-T6	BONNELL
8	82001	PERIMETER PRESSURE BAR	6063-T6	BONNELL
9	81002	PRESSURE BAR	6063-T6	BONNELL
10	81005	SNAP COVER	6063-T6	BONNELL
11	81531	SHEAR CLIP FOR DOOR TRANSOM	6063-T6	BONNELL
12	81520	SPLICE SLEEVE/REINFORCEMENT	6063-T6	BONNELL
13	82590	JAMB ANCHOR ("F" ANCHOR)	6063-T6	BONNELL
14	82591	INTERMEDIATE MULLION ANCHOR ("T" ANCHOR)	6063-T6	BONNELL
15	05412	GLAZING GASKET	EPDM DURO 47 ±5	TREMCO/GRP
16	05414	PRESSURE GASKET	EPDM DURO 47 ±5	TREMCO/GRP
17	05413	GLAZING GASKET FOR DRY GLAZED	EPDM DURO 47 ±5	TREMCO/GRP
18A	H62D	SETTING BLOCK, 0.50" X 0.25" X 4"	EPDM DURO 85 ±5	TREMCO/GRP
18	H62F	SETTING BLOCK, 1.30" X 0.25" X 4"	EPDM DURO 85 ±5	TREMCO/GRP
19	23020	#14-16 X 7/8" HWH-AB MS	STEEL-ZINC COATED	VARIES
20	23021	#12-24 X 2" PPH-23 MS	STEEL-ZINC COATED	VARIES
21	23022	1/4-20 X 3/4" PPH-23 MS	STEEL-ZINC COATED	VARIES
22	23261	1/4-20 X 5/8" HWH	STEEL-ZINC COATED	VARIES
23	ST824	1 PC CHANNEL STEEL REINFORCEMENT 2" X 4 1/4" X 1/4" LG.	A36 STEEL	VARIES
24	ST822	2 PCS CHANNEL STEEL REINFORCEMENT 1 1/2" X 4 1/4" X 1/4" LG.	A36 STEEL	VARIES
25	ST821	2 PCS CHANNEL STEEL REINFORCEMENT 1 1/2" X 4 1/4" X 1/4" WITH 1"X3"STEEL BAR LG.	A36 STEEL	VARIES
27	V2108	GLAZING TAPE 0.375" X 0.25"	FOAM	ST. GOBAIN
27A	VK1826	GLAZING TAPE	FOAM	CAPITAL TAPE
28	DOWSIL 790	SILICONE-PERIMETER SEALANT	SILICONE	DOW CORNING
29	-	DOWSIL -995	SILICONE	DOW CORNING
30	-	PROGLAZE SSG	SILICONE	TREMCO
31	-	SG-10	SILICONE	SIKASIL
32	-	ALUMINUM SPACER	ALUMINUM	HELIMA HELVETION INT./ VARIES
33	23177	#10-24 X 1 3/4" PPH-F MS	STEEL-ZINC COATED	VARIES



8200 CURTAINWALL SYSTEM



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PRODUCT:

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LARGE & SMALL-MISSILE
IMPACT

Resistor
PRODUCT SERIES

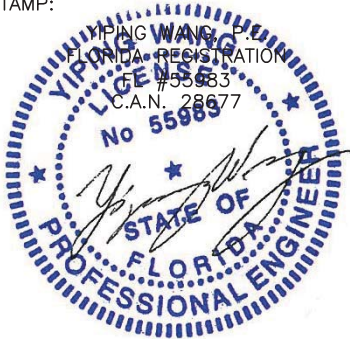
REVN	DATE/REMARKS

ENGINEER:



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