

PRODUCT APPROVAL DRAWINGS
CG501 STORE FRONT WITH MULTIPLE INFILLS
FOR USE IN HURRICANE ZONES
REQUIRING LARGE MISSILE IMPACT PROTECTION
(WET GLAZED/DRY GLAZED)

GENERAL NOTES:

TEST STANDARDS

AIR-TAS202 AND ASTM E283
WATER-TAS 202 AND ASTM E331
STATIC-TAS 202 AND ASTM E330
IMPACT-TAS 201 AND ASTM E1886/E1996
CYCLIC-TAS 203 AND ASTM E1886/E1996

DESIGN PRESSURE LISTED IN THIS DRAWING IS ALLOWABLE DESIGN LOAD.

WATER INFILTRATION: 15 PSF

AIR INFILTRATION: 6.24 PSF

TYPICAL GLASS BITE IS 9/16" UNLESS OTHERWISE NOTED

1/4" MAX, SHIM SPACE @ PERIMETER UNLESS OTHERWISE NOTED

ALUMINUM EXTRUSIONS ARE 6063-T6 ALLOY AND TEMPER

THIS PRODUCT IS RATED FOR LARGE & SMALL MISSILE IMPACT INCLUDING HIGH VELOCITY
HURRICANE ZONE. SHUTTERS ARE NOT REQUIRED.
THE PRODUCT HAS BEEN DESIGNED AND TESTED FOR TO COMPLY WITH THE REQUIREMENT OF

INTERNATIONAL BUILDING CODE 2012 EDITION & FLORIDA BUILDING CODE 7TH EDITION (2020)

MATERIALS WHICH COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL BE PAINTED
OR FINISHED TO PREVENT CORROSION.

ENTRANCE DOORS FOR CG501 FRAMING SYSTEM ARE SHOWN ON THIS
SUBMISSION. THE LOWER DESIGN PRESSURE OF WINDOW WALL OR DOOR WILL GOVERN.

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.

NOTE:

"RESISTOR (CG501) WAS TESTED TO COMPLY WITH MISSILE LEVEL "D" (50FT/SEC) IMPACT AND QUALIFIED FOR
USE ON ESSENTIAL FACILITIES FOR THE FOLLOWING WIND ZONE LOCATIONS:

- WIND ZONE1: 130MPH-139MPH
- WIND ZONE2: 140MPH-149MPH (GREATER THAN ONE MILE OF THE COASTLINE.
- WIND ZONE3: 150MPH-170MPH (@ELEVATION>30')
- WIND ZONE3: 140MPH-170MPH (@ELEVATION>30'. WITHIN ONE MILE OF THE COASTLINE)

ABBREVIATIONS:

D.L.O. = DAY LIGHT OPENING
TYP. = TYPICAL
D.O.W. = DOOR OPENING WIDTH
D.O.H. = DOOR OPENING HEIGHT

SHEET	TITLE	INDEX TO DRAWINGS
1	COVER	INDEX TO DRAWINGS AND NOTES
2	E1	FRAMING ELEVATIONS – LIGHT MULLION WITH STEEL & GLAZING OPTIONS
3	E2	FRAMING ELEVATIONS – LIGHT/HEAVY MULLION W/O STEEL
4	M1	MULLION CAPACITY CHART
5	E3	FRAMING ELEVATIONS – DOOR W/ TRANSOM AND SIDELITES
6	E4	FRAMING ELEVATIONS – DOOR W/O TRANSOM AND SIDELITES
7	D1	FRAMING DETAILS
8	D2	FRAMING DETAILS
9	D3	FRAMING DETAILS
10	A1	ANCHOR TYPES AND DETAILS.
11	ISO1	ISOMETRIC FRAME DETAILS
12	ISO2	ISOMETRIC FRAME DETAILS
13	PARTS	PROFILE DRAWINGS
14	BOM	BILL OF MATERIAL

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.



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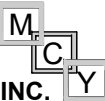
PRODUCT:

**CG501 STORE
FRONT SYSTEM**
W/ MULTIPLE INFILLS
FOR HURRICANE ZONES
(WET/DRY GLAZED)



REVN	DATE/REMARKS
REV.4	UPDATE DOOR JAMB AND SPACER

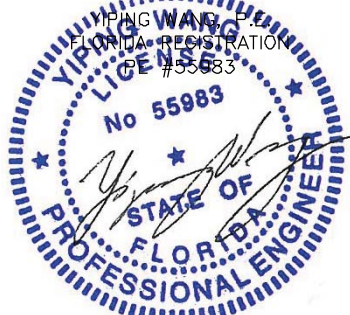
ENGINEER:



MCY ENGINEERING, INC.
GLAZING CONSULTANT

12871 Miramar Pkwy Ste. 301
Miramar, FL 33027
P: 305-271-0117
Email: www.MCYEngineering.com
mcy@mcyengineering.com

STAMP:



October. 13rd, 2022

FLORIDA APPROVAL NUMBER:

FL #17561.2

SHEET TITLE:

COVER

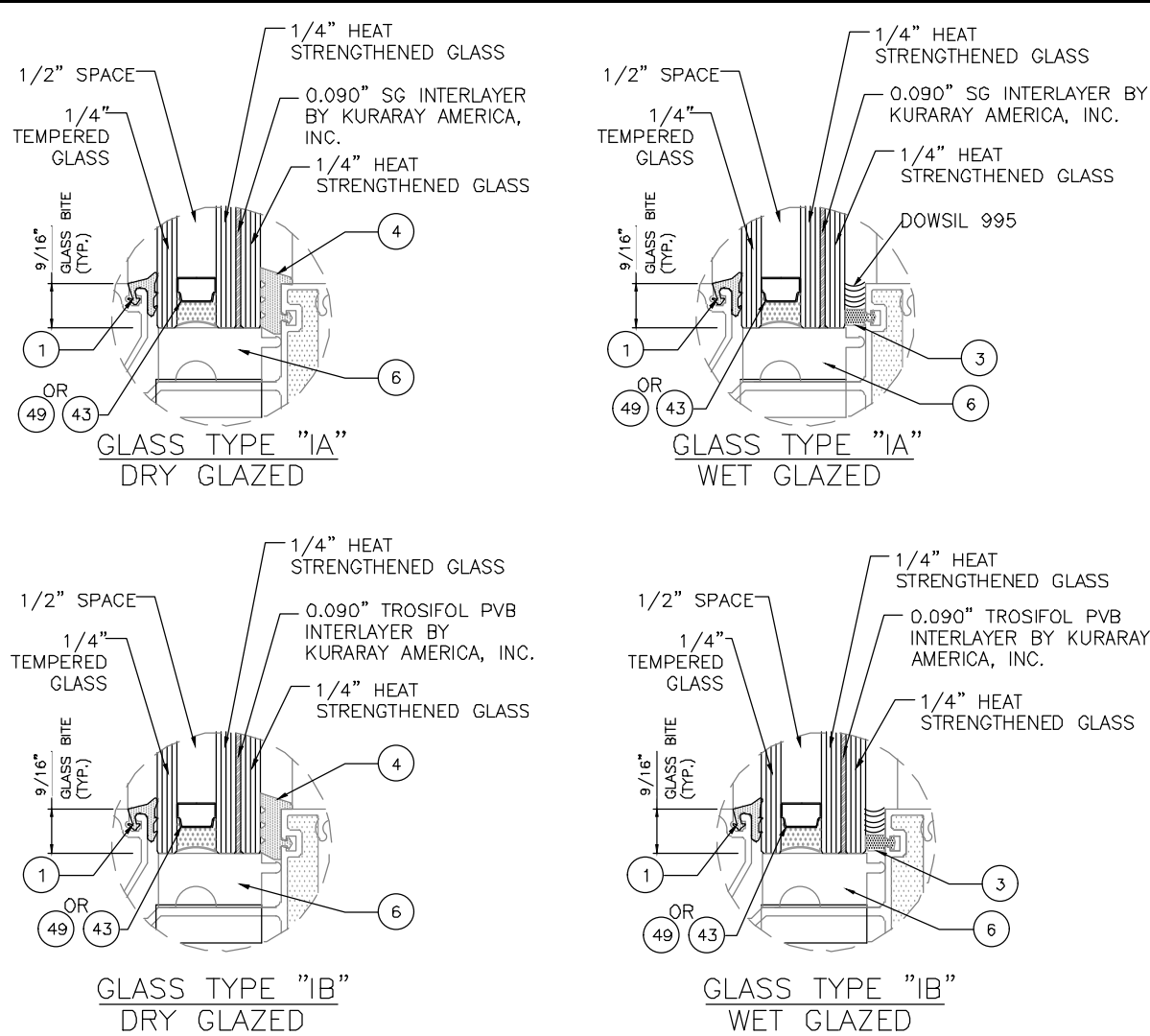
DRAWN: James

DATE: 09.16.2022

DWG: AD15-08

DRAWING No:

1 OF 14



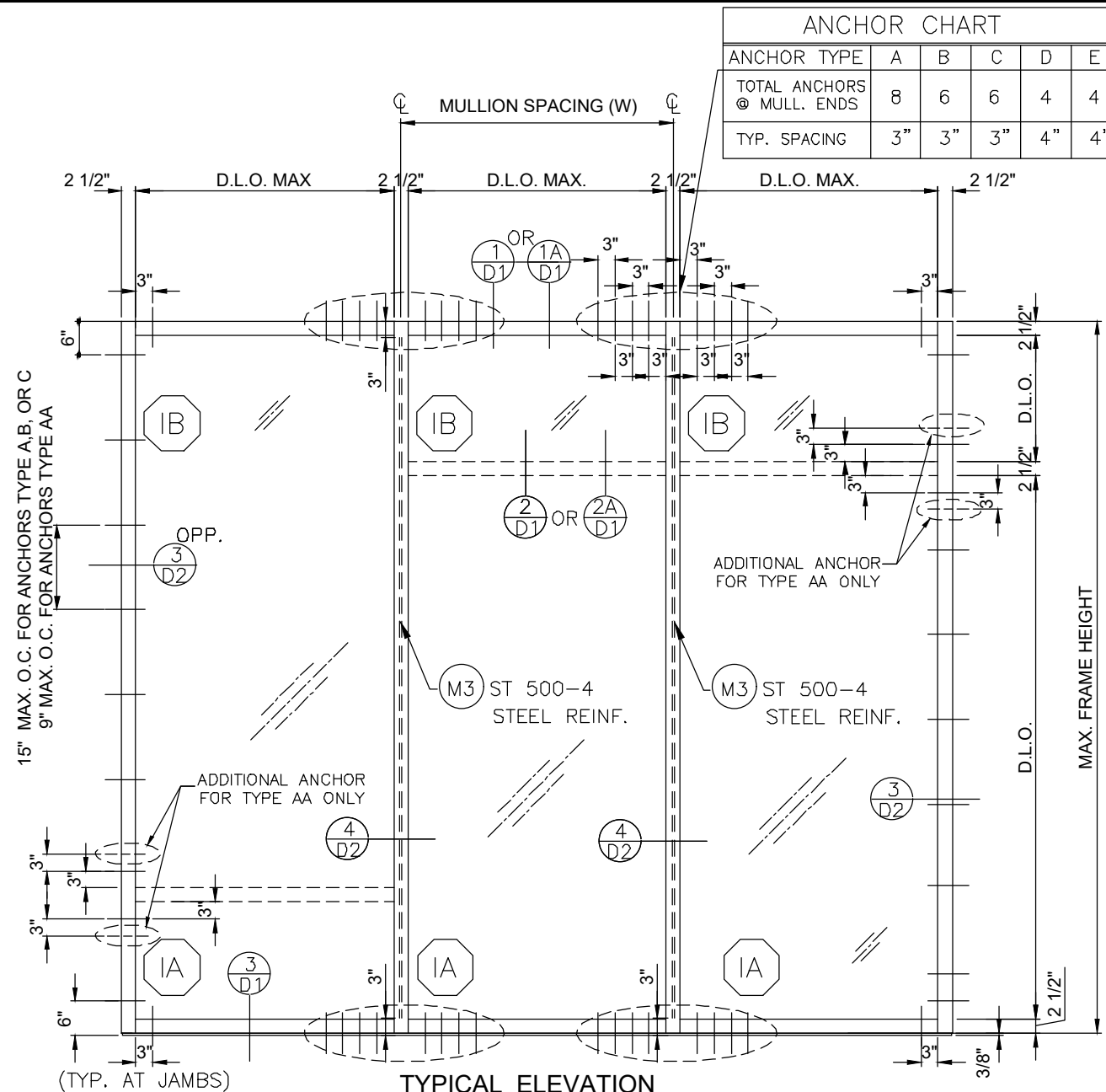
CG501S ² SYSTEM GLASS SCHEDULE				
GLASS TYPE	GLAZING METHOD	MAXIMUM DLO SIZE (INCHES)	MAXIMUM SQUARE FEET	MAXIMUM DESIGN LOAD (PSF)
IA	DRY GLAZED & WET GLAZED	45-1/2 X 96	30.33	+70/-80
IB	DRY GLAZED & WET GLAZED	45-1/2 X 22 1/2	7.11	+70/-80
	WET GLAZED	45-1/2 X 84	26.54	+65/-65
	WET GLAZED	45-1/2 X 96	30.33	+60/-60

NOTE: 1. GLASS AREA NOT TO EXCEED TESTED GLASS AREA.
2. DESIGN LOAD GOVERN BY TESTED LOAD.

NOTE:
GLAZING COMPLIES WITH ASTM E1300-09.

NOTES:

1. GLASS SIZE = D.L.O. +1 1/8"
2. HORIZONTAL MULLION (DETAIL 2/8 OR 2/8 OPTIONAL) – OPTIONAL AT ANY BAY
3. HEAD (DETAIL 1/8 OR 1/8 OPTIONAL) – OPTIONAL AT ANY BAY
4. MAX. ALLOWABLE DEFLECTION = L/180



INSTRUCTIONS:

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** GLASS TYPE SHOWN ON ELEVATIONS ARE AS TESTED. SEE CHART ON SHEET E1 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS TYPE AND SIZE.
- STEP 3** CHECK MULLION AND ANCHOR CAPACITY SEE SHEET E1 THRU E4 THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4** THE LOWEST VALUE RESULTING FROM STEPS 2 AND 3 SHALL APPLY TO ENTIRE SYSTEM.

ANCHOR CHART					
ANCHOR TYPE	A	B	C	D	E
TOTAL ANCHORS @ MULL. ENDS	8	6	6	4	4
TYP. SPACING	3"	3"	3"	4"	4"

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(WET/DRY GLAZED)

Resistor
PRODUCT SERIES

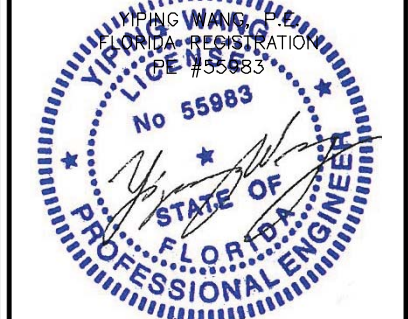
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Miramar, FL 33027
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mcy@mcyengineering.com

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SHEET TITLE:

E1

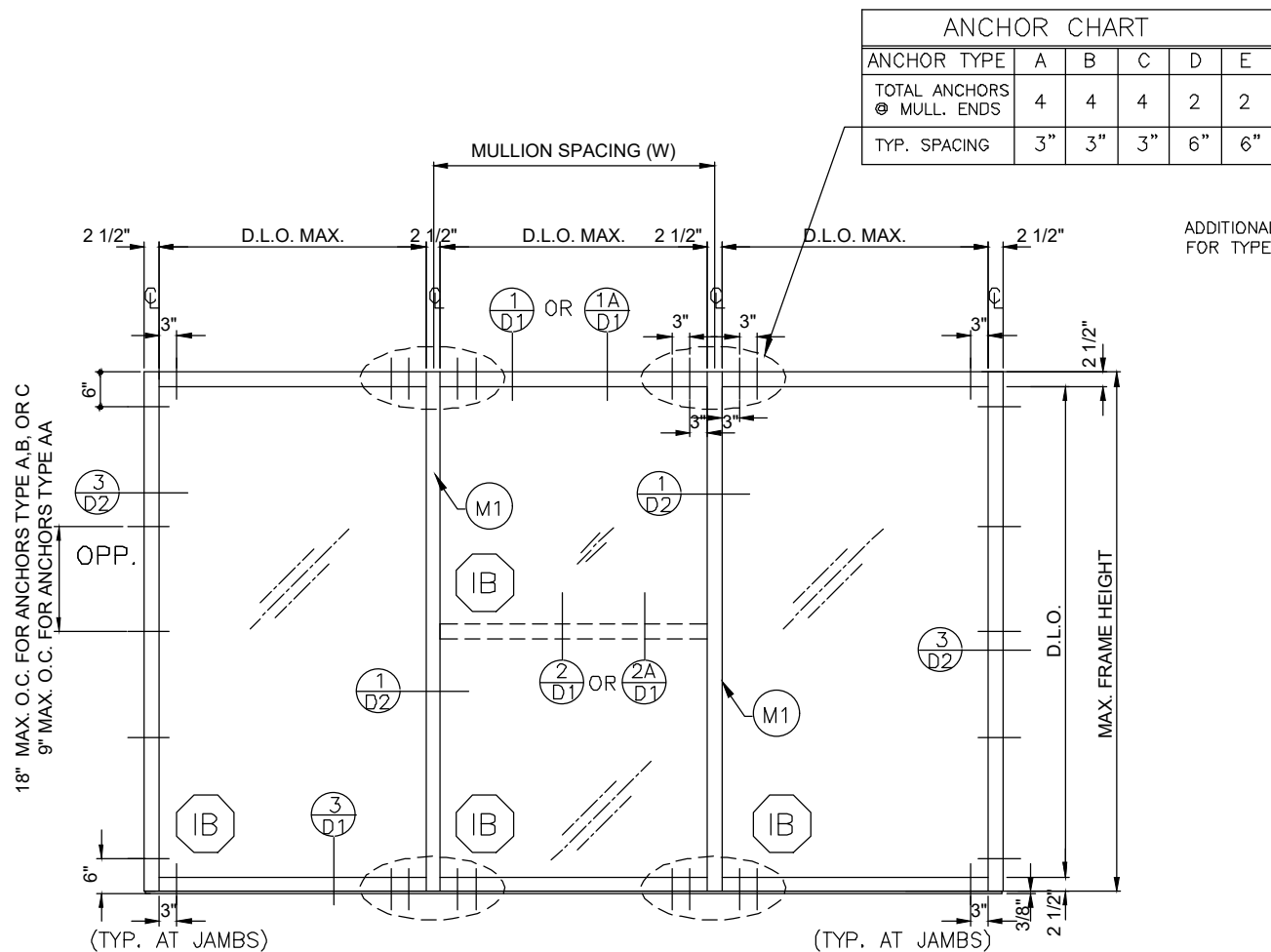
DRAWN: James

DATE: 09.16.2022

DWG: AD15-08

DRAWING No:

2 OF 14

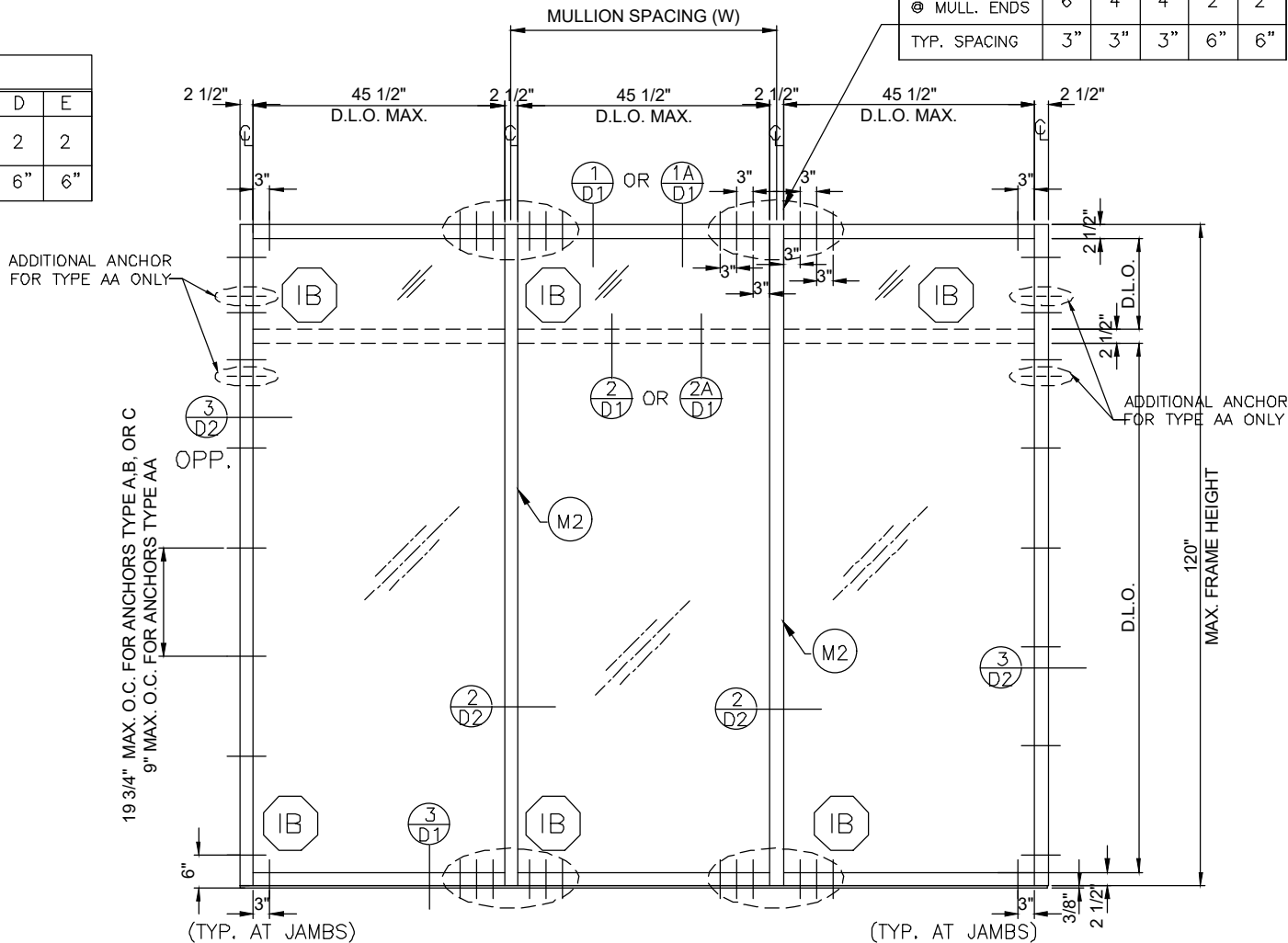


TYPICAL ELEVATION

LIGHT MULLION WITHOUT STEEL REINFORCEMENT

SEE CHART ON SHEET M1 FOR MULLION CAPACITY.

LIGHT MULLION WITHOUT STEEL REINFORCEMENT CAN BE QUALIFIED FOR USE ON NON-HVHZ MARKET FOR A MAXIMUM OF: 36" W X 126"H @ 45 PSF.



TYPICAL ELEVATION

HEAVY MULLION WITHOUT STEEL REINFORCEMENT

SEE CHART ON SHEET M1 FOR MULLION CAPACITY.

NOTES:

1. GLASS SIZE = D.L.O. + 1 1/8"
2. HORIZONTAL MULLION (DETAIL 2/8 OR 2/8 OPTIONAL) – OPTIONAL AT ANY BAY
3. HEAD (DETAIL 1/8 OR 1/8 OPTIONAL) – OPTIONAL AT ANY BAY
4. MAX. ALLOWABLE DEFLECTION = L/180



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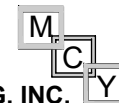
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mcy@mcyengineering.com

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SHEET TITLE:

E2

DRAWN: James

DATE: 09.16.2022

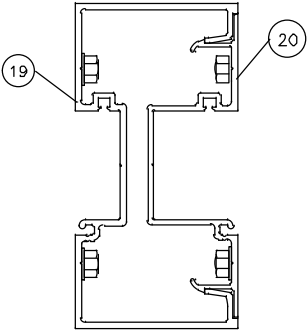
DWG: AD15-08

DRAWING No:

3 OF 14

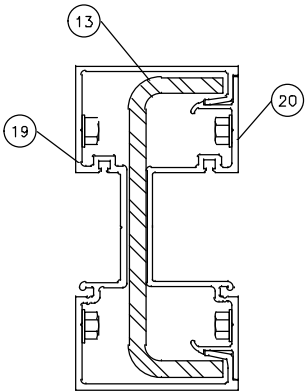
MULLION LOAD CAPACITY WITH OR WITHOUT INTERMEDIATE HORIZONTAL					
WINDOW PANEL		M1	M2	M3	
WIDTH (W)	HEIGHT	EXT(+) INT(-)	EXT(+) INT(-)	EXT(+)	INT(-)
IN	IN	PSF	PSF		PSF
30	60	65	65	70	80
36		65	65	70	80
42		65	65	70	80
48		65	65	70	80
54		65	65	70	80
60		65	65	70	80
30	66	65	65	70	80
36		65	65	70	80
42		65	65	70	80
48		65	65	70	80
54		65	65	70	80
60		65	65	70	80
30	72	65	65	70	80
36		65	65	70	80
42		65	65	70	80
48		65	65	70	80
54		65	65	70	80
60		-	60	70	80
30	78	65	65	70	80
36		65	65	70	80
42		65	65	70	80
48		65	65	70	80
54		65	65	70	80
60		-	60	70	80
30	84	65	65	70	80
36		65	65	70	80
42		65	65	70	80
48		65	65	70	80
54		-	60	70	80
60		-	60	70	80
30	90	65	65	70	80
36		65	65	70	80
42		65	65	70	80
48		-	60	70	80
54		-	60	70	80
60		-	60	70	80
30	96	65	65	70	80
36		65	65	70	80
42		64	64	70	80
48		-	60	70	80
54		-	60	70	80
60		-	60	70	80

MULLION LOAD CAPACITY WITH OR WITHOUT INTERMEDIATE HORIZONTAL					
WINDOW PANEL		M1	M2	M3	
WIDTH (W)	HEIGHT	EXT(+) INT(-)	EXT(+) INT(-)	EXT(+)	INT(-)
IN	IN	PSF	PSF		PSF
30	102	65	65	70	80
36		65	65	70	80
42		-	60	70	80
48		-	60	70	80
54	108	-	60	70	80
30		65	65	70	80
36		59	60	70	80
42		-	60	70	80
48		-	60	70	80
54	114	-	60	70	80
30		63	63	70	80
36		53	60	70	80
42		-	60	70	80
48	120	-	60	70	80
30		57	60	70	80
36		-	60	70	80
42		-	60	70	80
48	126	-	60	70	77
30		52	60	70	80
36		-	60	70	80
42		-	60	70	80
48	132	-	-	70	70
30		47	60	70	80
36		-	60	70	80
42		-	57	70	73
30	138	-	60	70	80
36		-	60	70	78
42		-	-	67	67
48		-	60	70	80
30	144	-	56	70	71
36		-	-	61	61
42		-	-	61	61



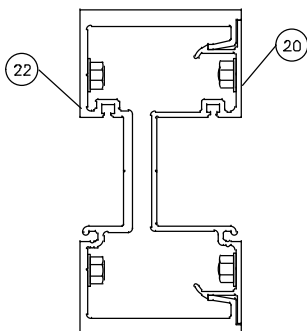
LIGHT MULLION "M1"

	Ix IN^4	Sx IN^3
CG501-4	4.4850	1.7883
CG501-5	1.2310	0.5188
TOTAL	5.7160	2.2791



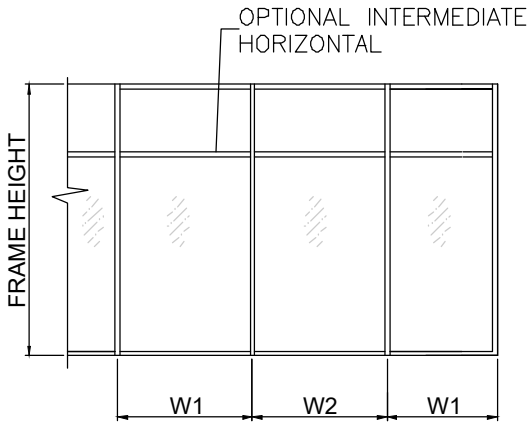
LIGHT MULLION W/ REINF. "M3"

	Ix IN^4	Sx IN^3
CG501-4	4.4850	1.7883
CG501-5	1.2310	0.5188
ST500-4	4.4928	1.9428
TOTAL=1ALUM.+2.91XSTL	18.7451	



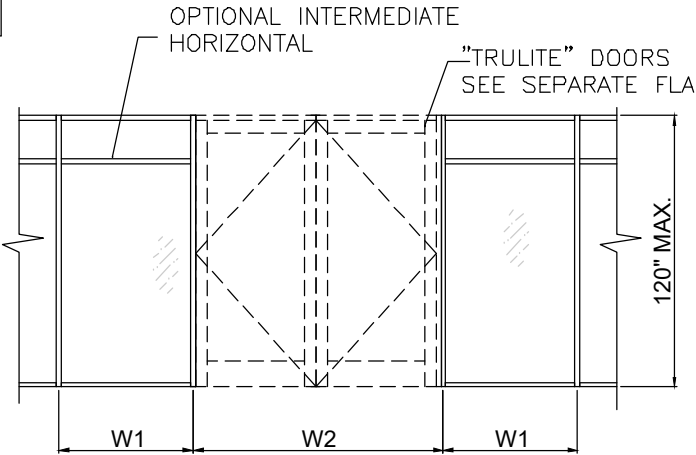
HEAVY MULLION "M2"

	Ix IN^4	Sx IN^3
CG501-7	8.5090	3.3900
CG501-5	1.2310	0.5188
TOTAL	9.7400	3.8805

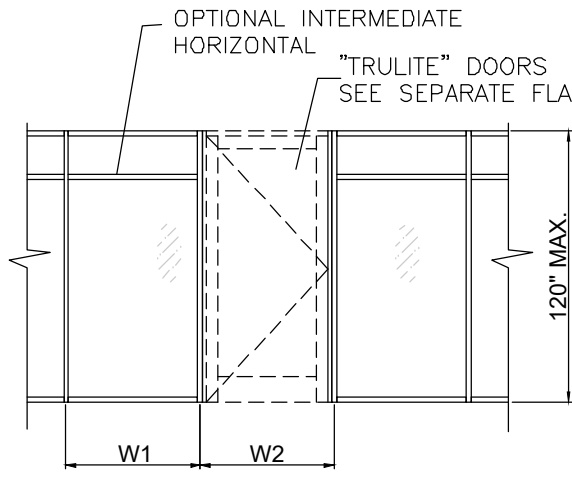


TYPICAL ELEVATION

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



MULLION WIDTH (W) = $\frac{W1}{2} + \frac{W2}{4}$



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



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(WET/DRY GLAZED)



REVN	DATE/REMARKS
REV.4	UPDATE DOOR JAMB AND SPACER

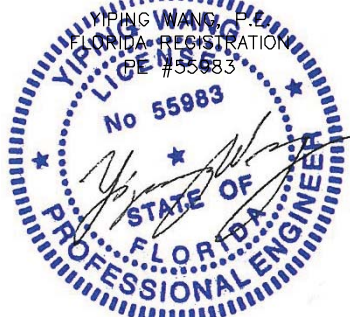
ENGINEER:



MCY ENGINEERING, INC.
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12871 Miramar Pkwy Ste. 301
Miramar, FL 33027
P: 305-271-0117
Email: www.MCYEngineering.com
mcy@mcyengineering.com

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FLORIDA APPROVAL NUMBER:

FL #17561.2

SHEET TITLE:

M1

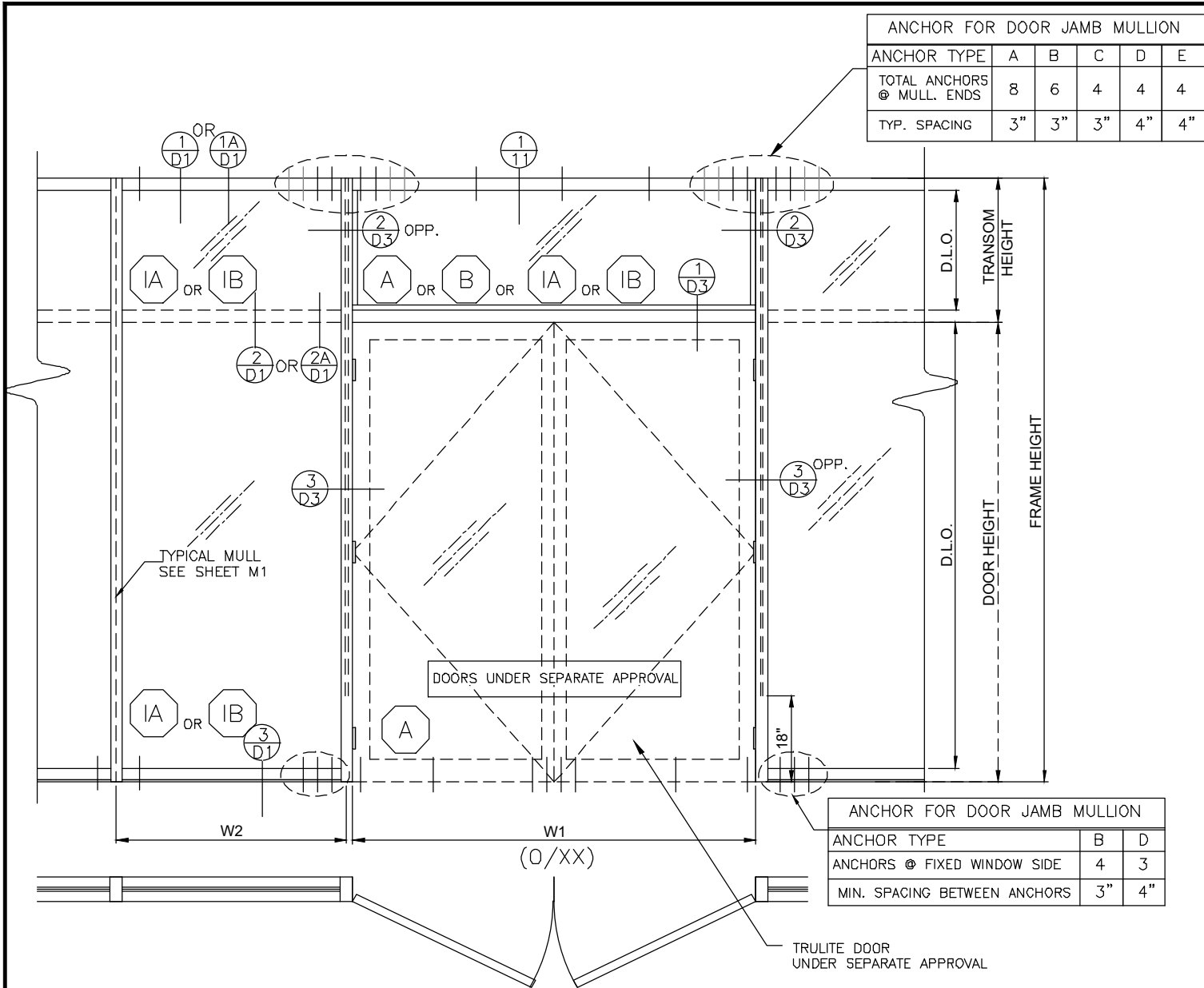
DRAWN: James

DATE: 09.16.2022

DWG: AD15-08

DRAWING No:

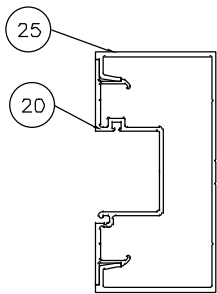
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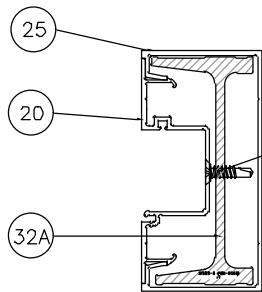
ANCHOR FOR DOOR JAMB MULLION					
ANCHOR TYPE	A	B	C	D	E
TOTAL ANCHORS @ MULL. ENDS	8	6	4	4	4
TYP. SPACING	3"	3"	3"	4"	4"

ANCHOR FOR DOOR JAMB MULLION		
ANCHOR TYPE	B	D
ANCHORS @ FIXED WINDOW SIDE	4	3
MIN. SPACING BETWEEN ANCHORS	3"	4"

DOUBLE DOOR OPENING WITH TRANSOM & SIDELITES



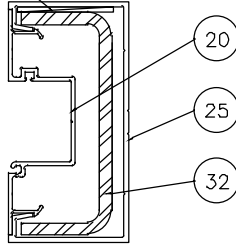
DJ1



DJ2

ADHERE HI-IMPACT SHIM AT MID-SPAN LOCATION, 18" O. C.

#12 x 1 1/4" LONG FHP SMS TOP AND BOTTOM ONLY.



DJ3

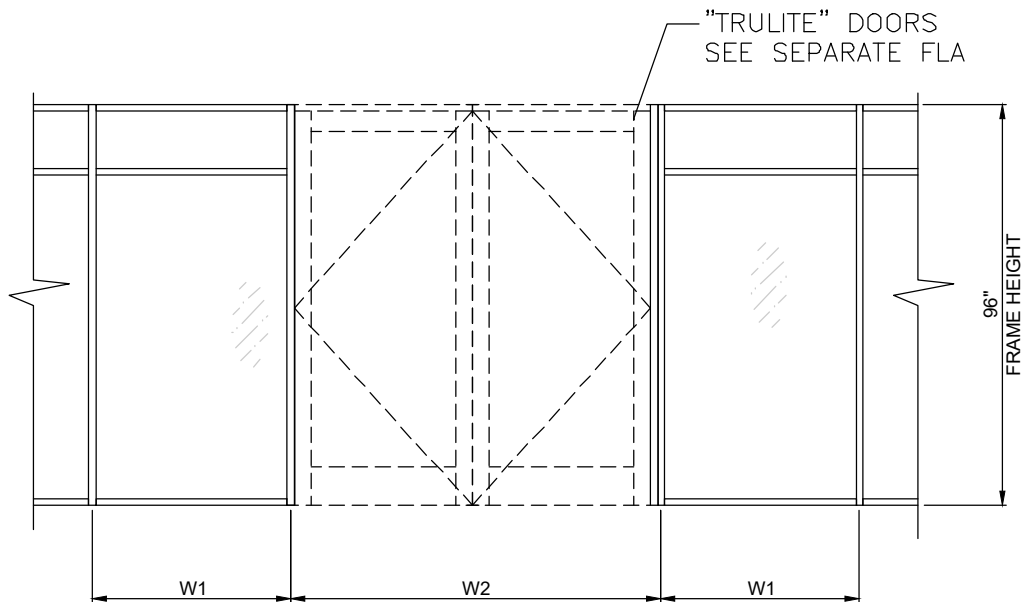
	1x IN^4	5x IN^3
DF500-1	4.3058	1.7223
CG501-5	1.2314	0.5190
TOTAL	5.5372	

	1x IN^4	5x IN^3
CG501-5	1.2314	0.5190
DF500-1	4.3058	1.7223
DF500-03	7.0692	2.9443
TOTAL	12.6064	

	1x IN^4	5x IN^3
DF500-1	4.3058	1.7223
CG501-5	1.2314	0.5190
ST500-1	5.5333	2.3941
TOTAL(IN ALUM)	21.5838	

DOOR JAMB MULLION CAPACITY-PSF					
FRAME HEIGHT	SIDELITE WIDTH	DOOR WIDTH	**DOOR HEIGHT	DESIGN LOAD	MULLION TYPE
FH(IN.)	W2(IN.)	W1(IN.)	A(IN.)	(±PSF)	—
144	42	72	120	57.0	DJ3
	42	72	120	38.0	DJ2
132	48	72	120	70.0	DJ3
	48	72	120	49.5	DJ2
126	48	84	96	70.0	DJ3
	48	72	108	54.5	DJ2
	60	72	108	48.5	DJ2
120	60	72	96	70.0	DJ3
	48	84	96	53.0	DJ2
	26	72	96	48.0	DJ1
	26	72	84	44.5	DJ1
108	60	72	96	70.0	DJ3
	60	72	96	67.5	DJ2
	36	72	96	63.5	DJ1
	36	72	90	60.0	DJ1
*96	36	72	84	57.5	DJ1
	60	72	96	70.0	DJ1
	48	72	96	+70.0/-85	DJ1

NOTE:
1. SINGLE DOOR AUTOMATICALLY QUALIFIES WITH THE SAME LIMITATION AS THE DOUBLE DOOR.
2. [*] DENOTES DOOR JAMB WITHOUT TRANSOM
3. [**]MINIMUM DOOR HEIGHT. REFER TO DOOR PRODUCT APPROVAL FOR MAXIMUM DOOR SIZE.



DOOR JAMB WITHOUT TRANSOM

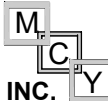
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Resistor
PRODUCT SERIES

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FLORIDA APPROVAL NUMBER:

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SHEET TITLE:

E3

DRAWN: James

DRAWING No:

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5 OF 14

DWG: AD15-08

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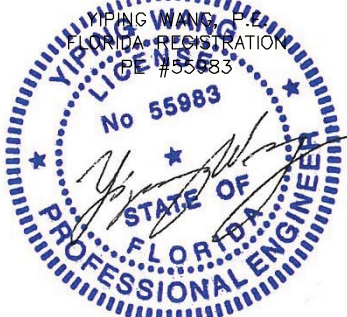
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SHEET TITLE:

E4

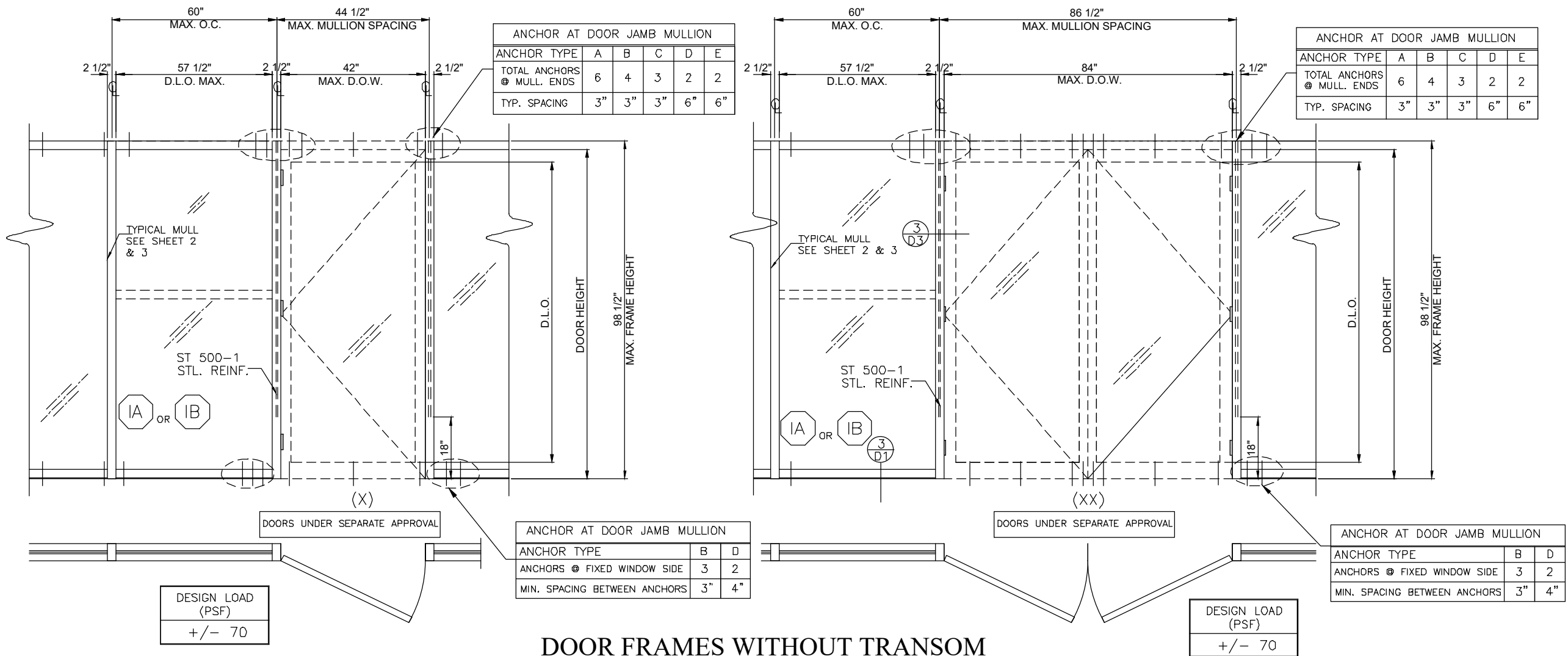
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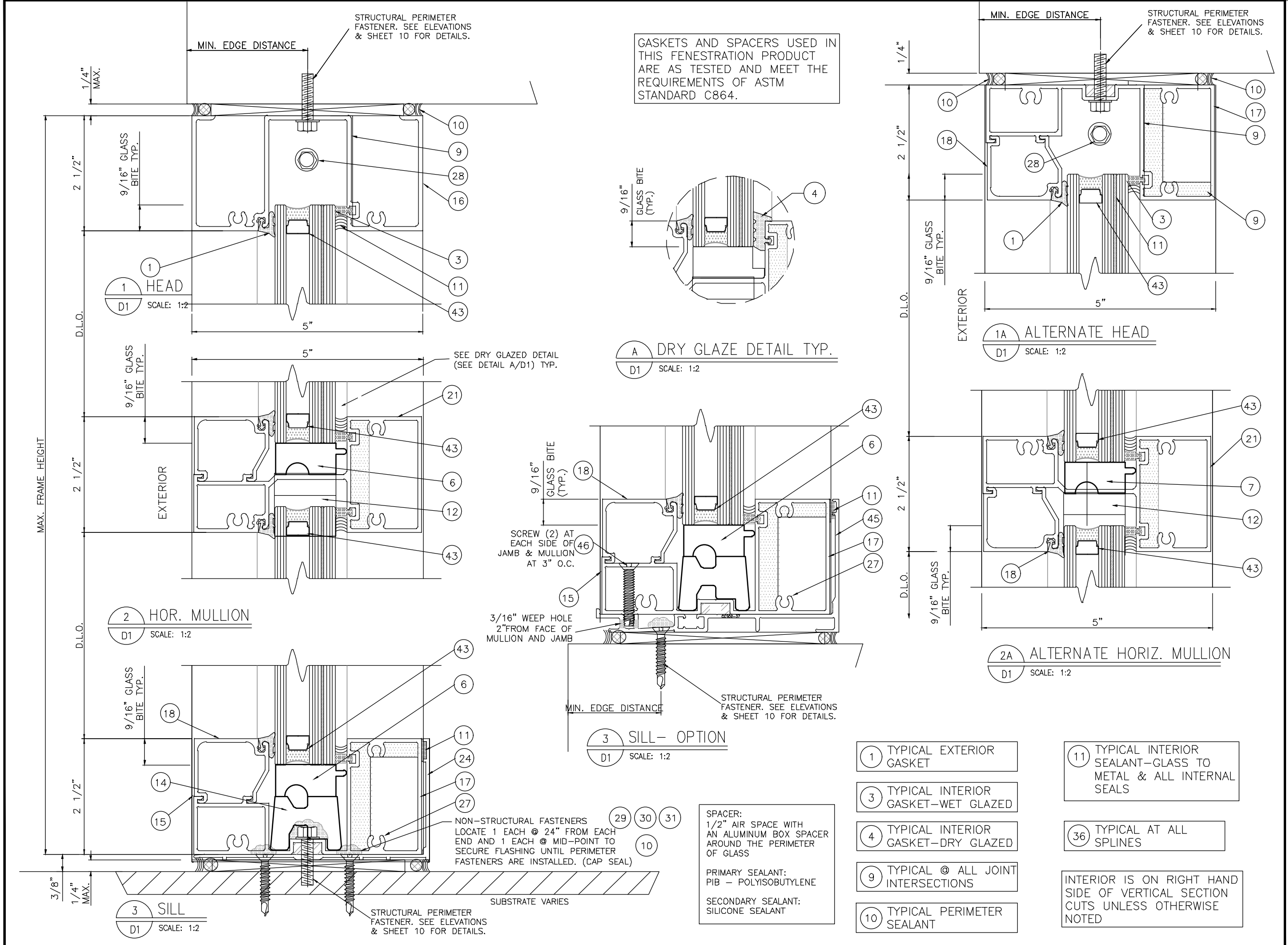


NOTES:

1. THIS APPROVAL COVERS SERIES 351 ENTRANCE DOOR.
2. DOOR SERIES UNDER SEPARATE PRODUCT APPROVALS.
THE LOWER DESIGN PRESSURE OF WINDOW WALL OR DOOR WILL GOVERN.
3. FOR DOOR DETAILS REFER TO DOOR PRODUCT APPROVAL.

TEST PARAMETERS:

1. DESIGN PRESSURE = +70/-70 PSF
2. AIR TEST AT 6.24 PSF
3. MAX. ALLOWABLE DEFLECTION = L/180



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PRODUCT:

CG501 STORE FRONT SYSTEM
W/ MULTIPLE INFILLS
FOR HURRICANE ZONES
(WET/DRY GLAZED)

Resistor
PRODUCT SERIES

REVN	DATE/REMARKS
REV. 4	UPDATE DOOR JAMB AND SPACER

ENGINEER:

MCY ENGINEERING, INC.
GLAZING CONSULTANT

12871 Miramar Pkwy Ste. 301
Miramar, FL 33027
P: 305-271-0117
Email: www.MCYEngineering.com
mcy@mcyengineering.com

STAMP:

October, 13rd, 2022

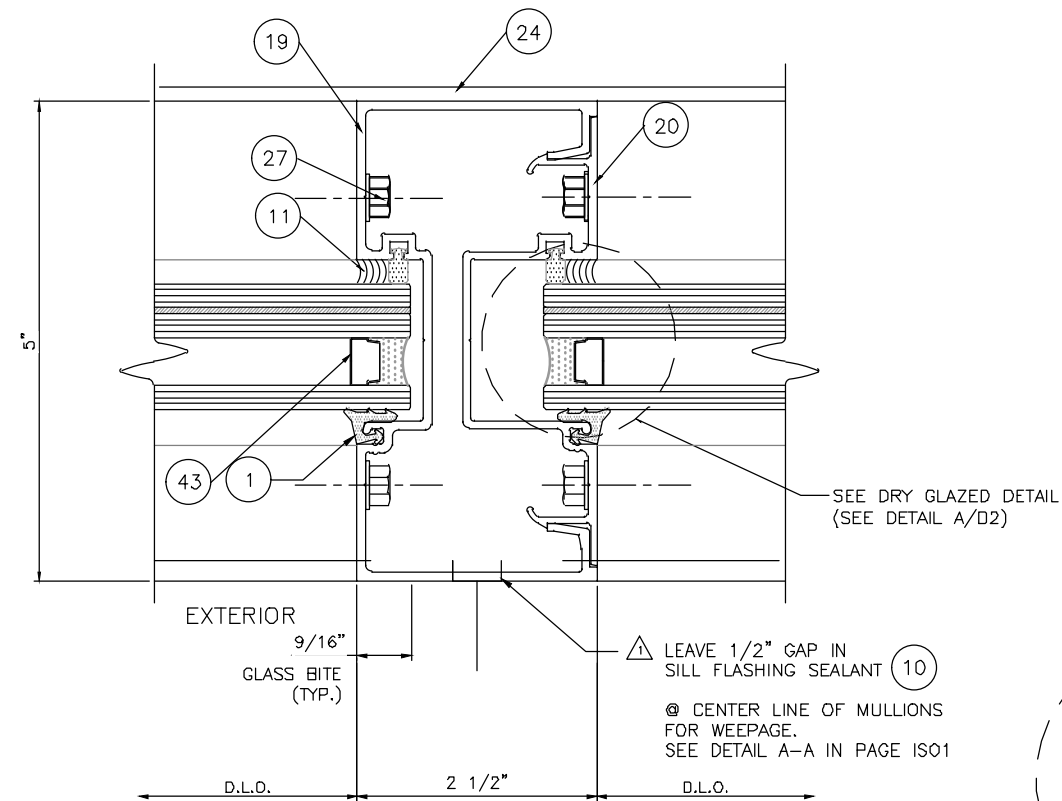
FLORIDA APPROVAL NUMBER:

FL #17561.2

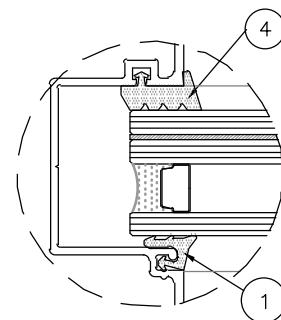
SHEET TITLE:

D1

DRAWN: James	DRAWING No:
DATE: 09.16.2022	7 OF 14
DWG: AD15-08	

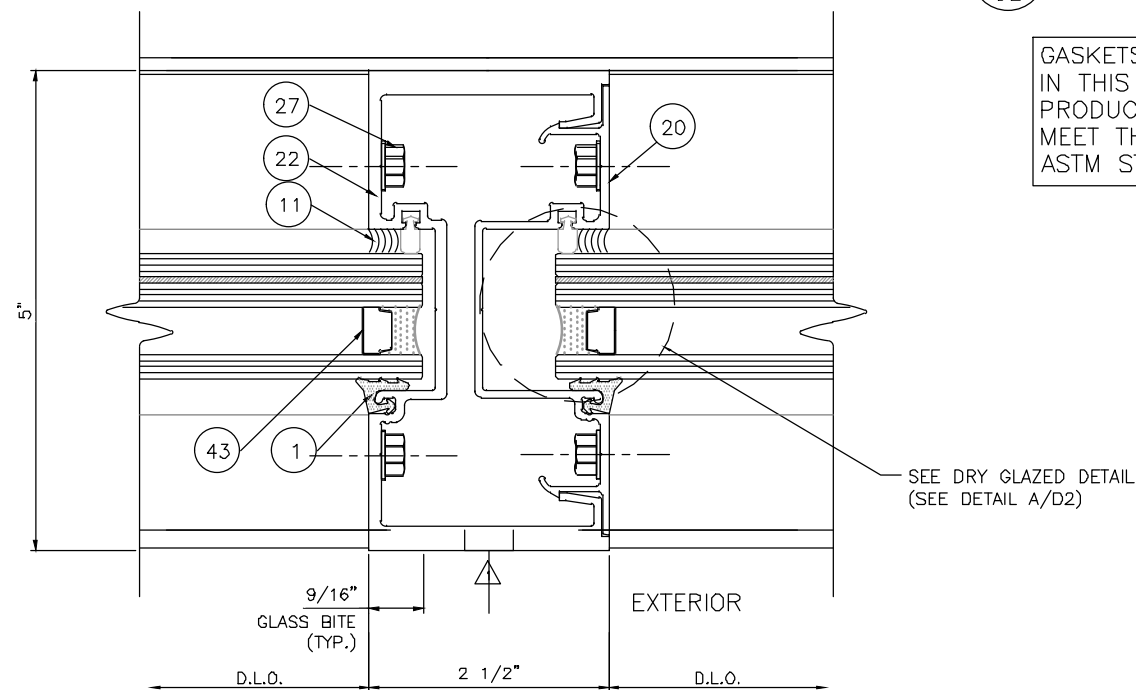


1 VERT. MULLION
D2 SCALE: 1:2



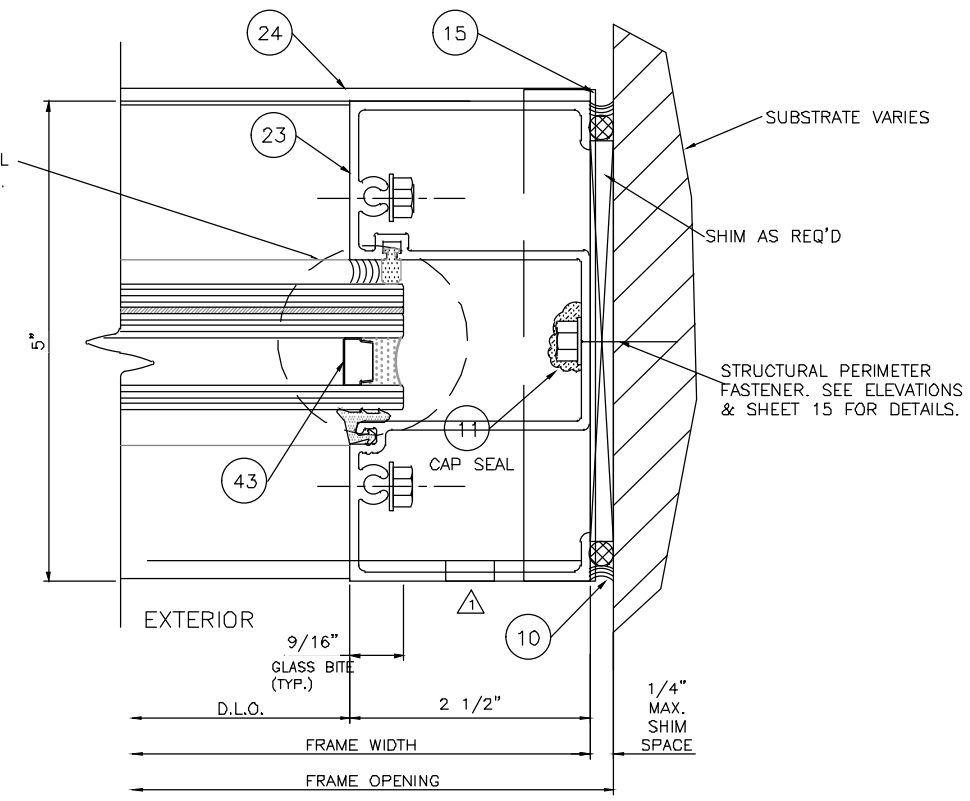
A DRY GLAZE DETAIL TYP.
D2 SCALE: 1:2

GASKETS AND SPACERS USED IN THIS FENESTRATION PRODUCT ARE AS TESTED AND MEET THE REQUIREMENTS OF ASTM STANDARD C864.

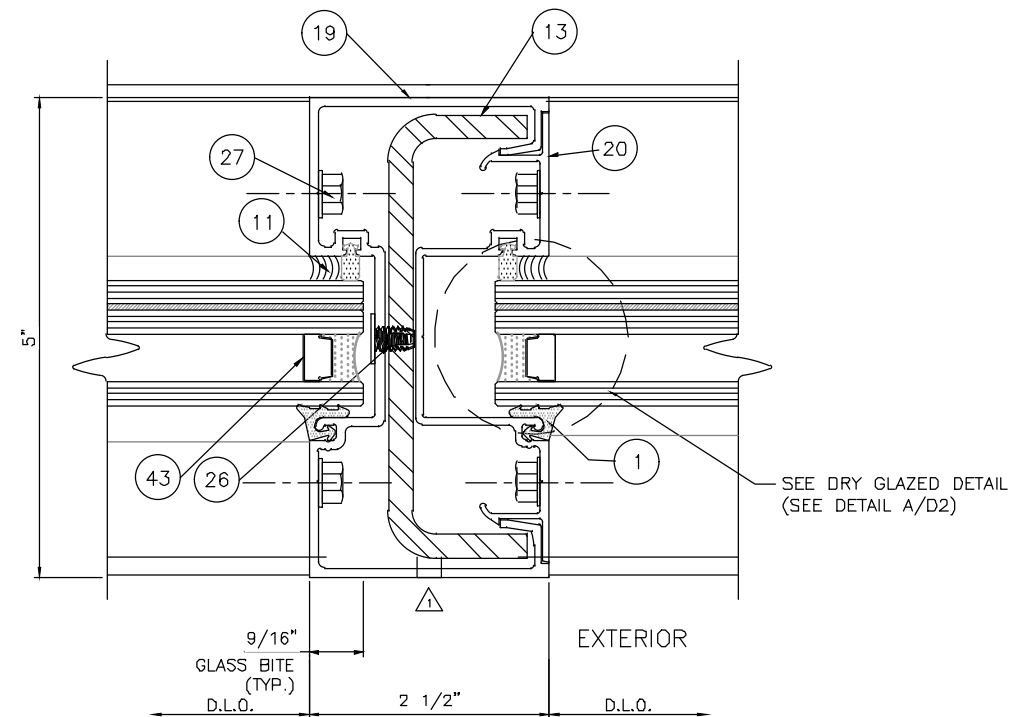


2 HEAVY VERT. MULLION
D2 SCALE: 1:2

SEE DRY GLAZED DETAIL (SEE DETAIL A/D2) SIM.



3 JAMB
D2 SCALE: 1:2



4 VERT. MULLION WITH STEEL
D2 SCALE: 1:2

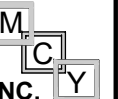
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FLORIDA APPROVAL NUMBER:

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SHEET TITLE:

D2

DRAWN: James

DATE: 09.16.2022

DWG: AD15-08

DRAWING No:

8 OF 14

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D3

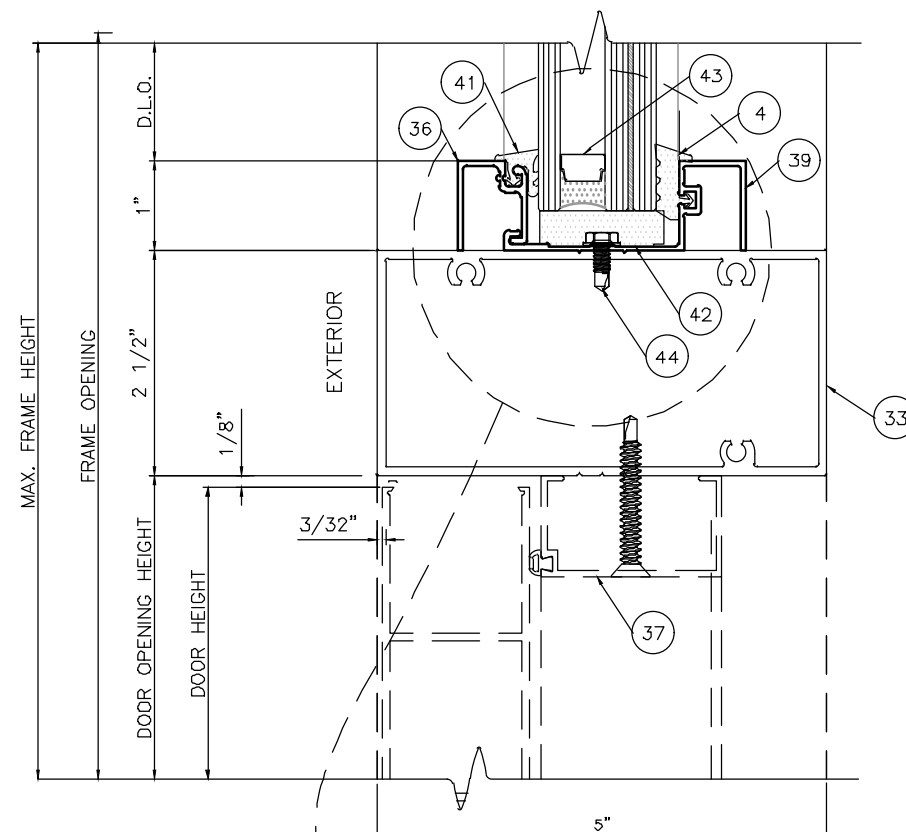
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DATE: 09.16.2022

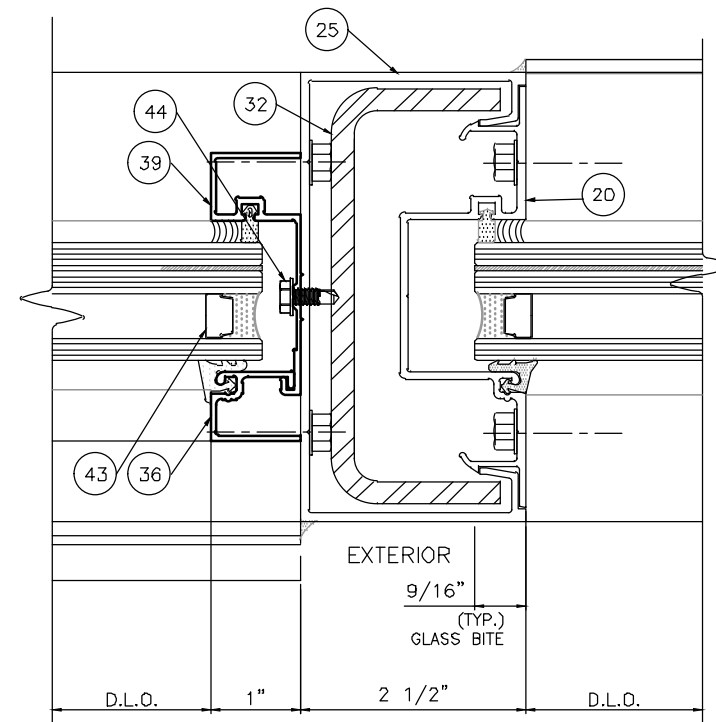
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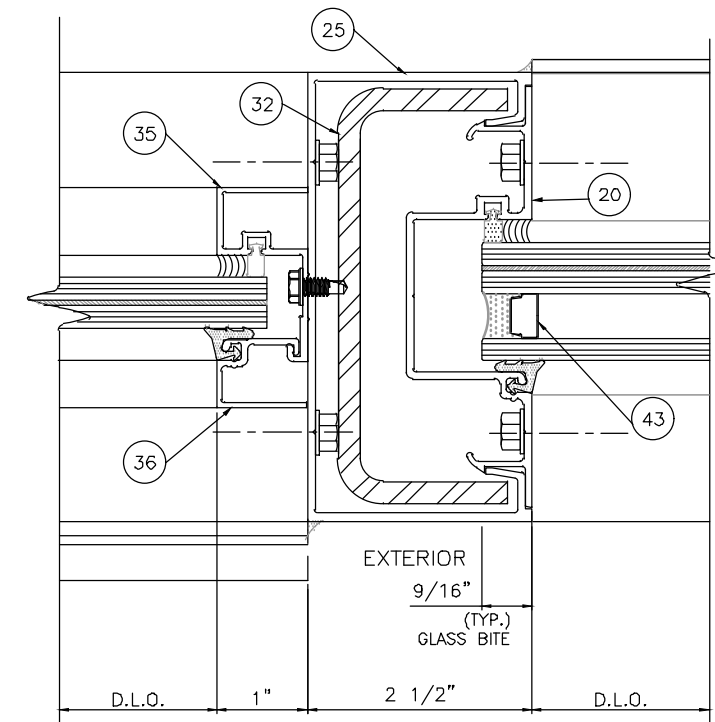
9 OF 14



1 TRANSOM BAR FOR S.A.C.
D3 SCALE: 1:2



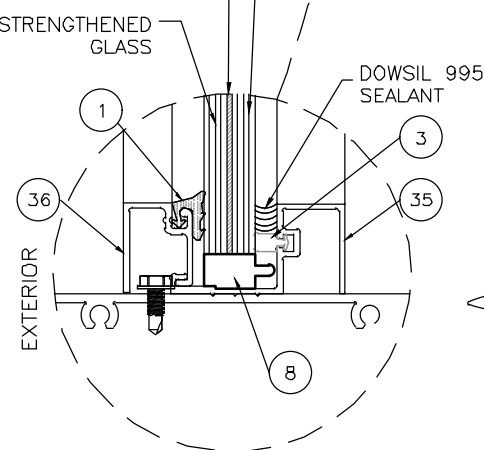
2 TRANSOM DOOR JAMB @ SIDELITE (OPTION)
D3 SCALE: 1:2



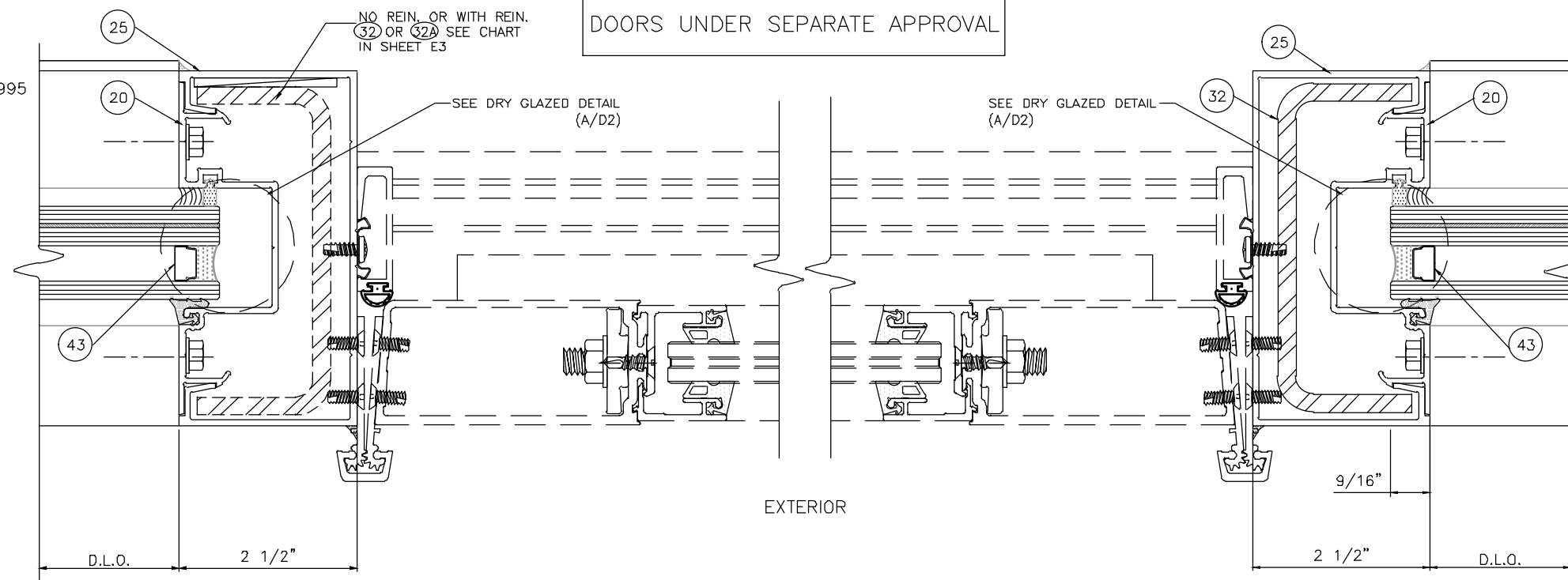
2 TRANSOM DOOR JAMB @ SIDELITE
D3 SCALE: 1:2

NOTE:
REFER TO SHEET 5 OF 14
FOR DOOR JAMB OPTIONS

1/4" HEAT STRENGTHENED GLASS
0.090" TROSIFOL PVB INTERLAYER
BY KURARAY AMERICA, INC. OR
0.090" SG INTERLAYER BY
KURARAY AMERICA, INC.

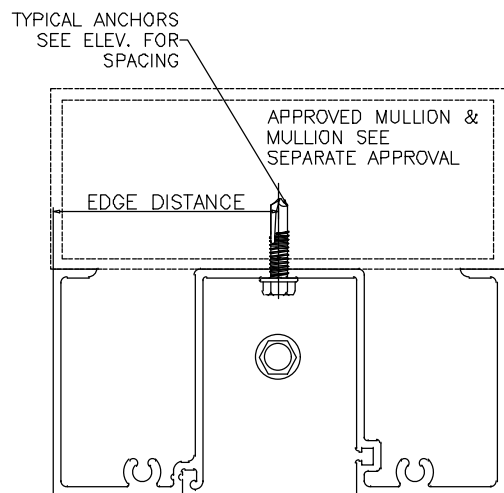
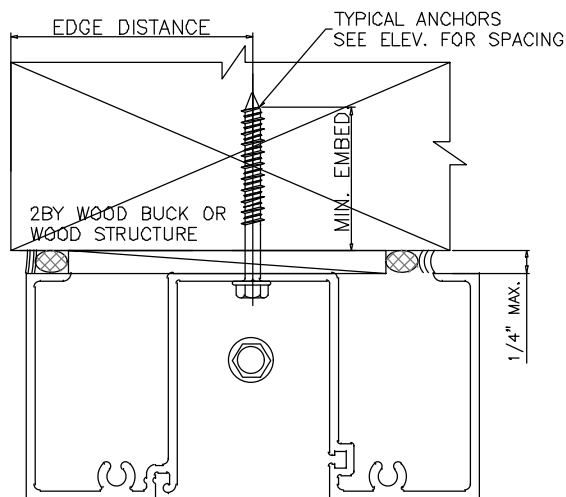
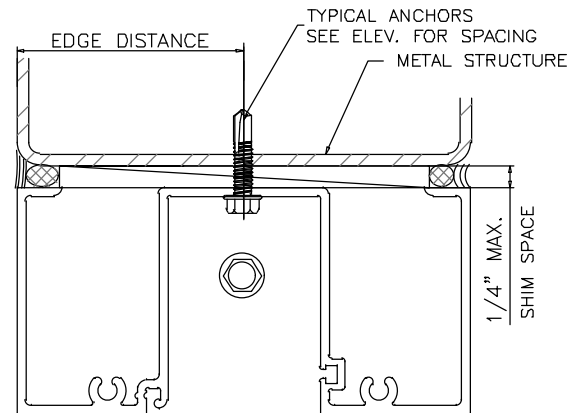
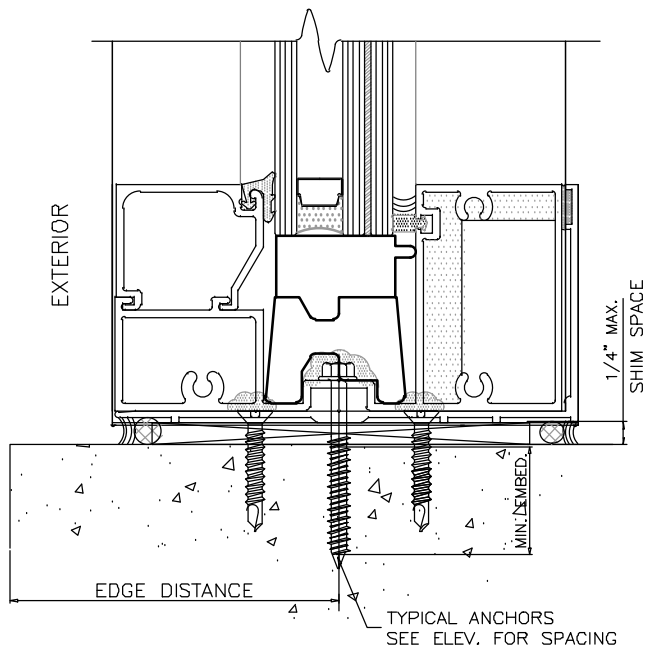
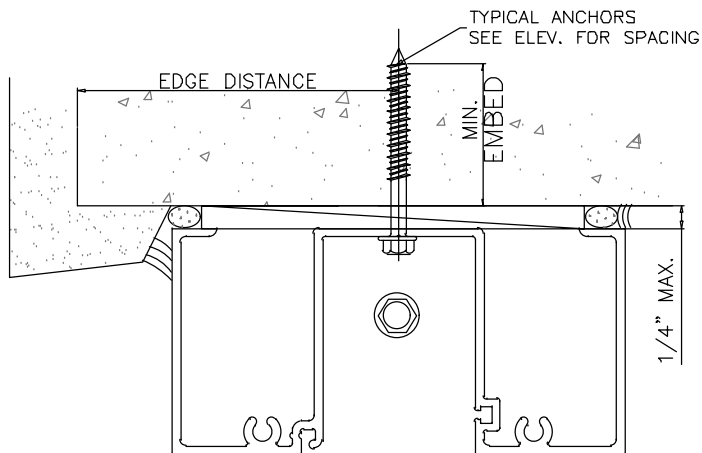
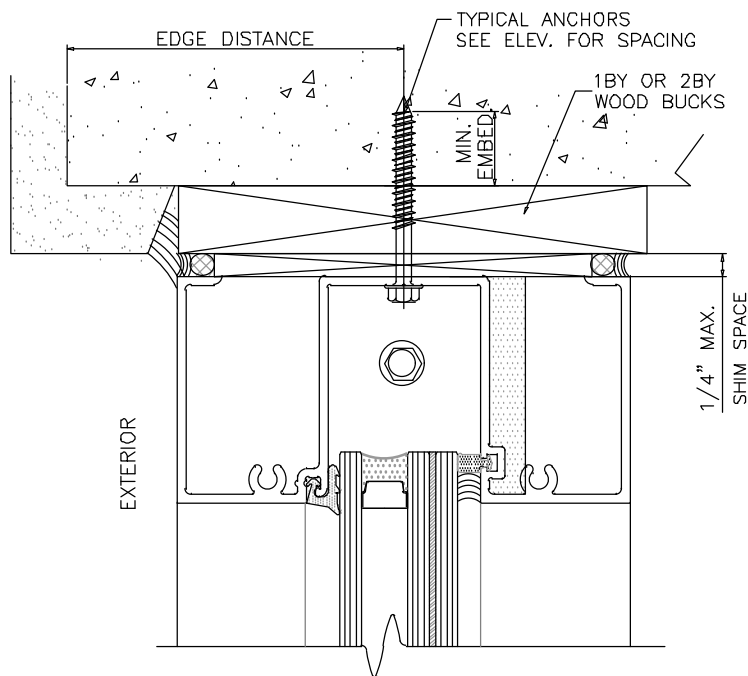


1 GLASS TYPE A OR B
D3 SCALE: 1:2



3 DOOR JAMB @ SIDELITE
D3 SCALE: 1:2

4 DOOR JAMB @ SIDELITE
D3 SCALE: 1:2



WOOD BUCKS AND METAL STRUCTURES NOT BY TRULITE. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS:

SEE ELEVATIONS FOR SPACING

TYPE 'AA' 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI) (JAMB ONLY)
1/4" DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy=92 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD INTO CONC.

THRU WOOD BUCKS INTO HOLLOW BLOCK OR MASONRY
 1-1/4" MIN. EMBEDMENT.

TYPE 'A' 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
1/4" DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy=92 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD INTO CONC.

THRU WOOD BUCKS INTO CONCRETE (fc'=3000 PSI)
 1-1/4" MIN. EMBEDMENT.

TYPE 'B' 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
1/4" DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy=92 KSI)

DIRECTLY INTO CONCRETE.
 1-1/2" MIN. EMBEDMENT.

TYPE 'C' #14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO APPROVED MULLIONS
 (1/8" THK. MIN.) INTO METAL STRUCTURE.

STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPE 'D' 3/8" DIA. ITW LDT TAPCON

DIRECTLY INTO CONCRETE
 2" MIN. EMBEDMENT.

TYPE 'D1' 3/8" DIA. ITW LDT TAPCON (JAMB ONLY)

DIRECTLY INTO CONCRETE
 1-1/2" MIN. EMBEDMENT.

TYPE 'E' 3/8"-16 BOLT (GRADE 2)
 INTO METAL STRUCTURE

STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK f'm = 2000 PSI MIN.

SEALANTS:

GLAZING BEAD AT FRAME SILL SEALED TO GLASS WITH SILICONE
 GLAZING OPTIONS 6A, 6B OR 6C.
 FRAME CORNERS SEALED WITH DOWSIL 795 OR EQUAL COMPATIBLE.



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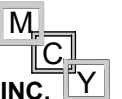
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A1

DRAWN: James

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DWG: AD15-08

DRAWING No:

10 OF 14

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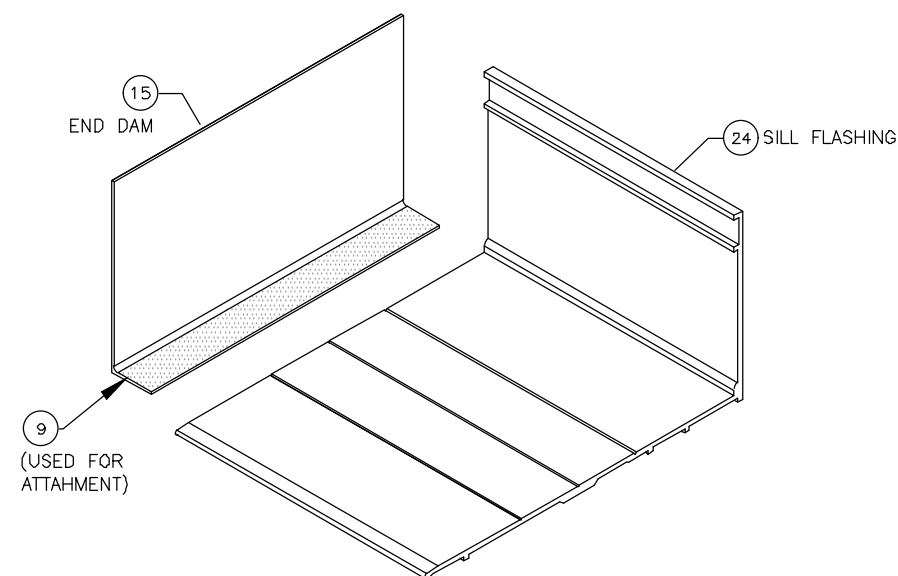


FIGURE-1
SCALE: 6" = 1'-0"

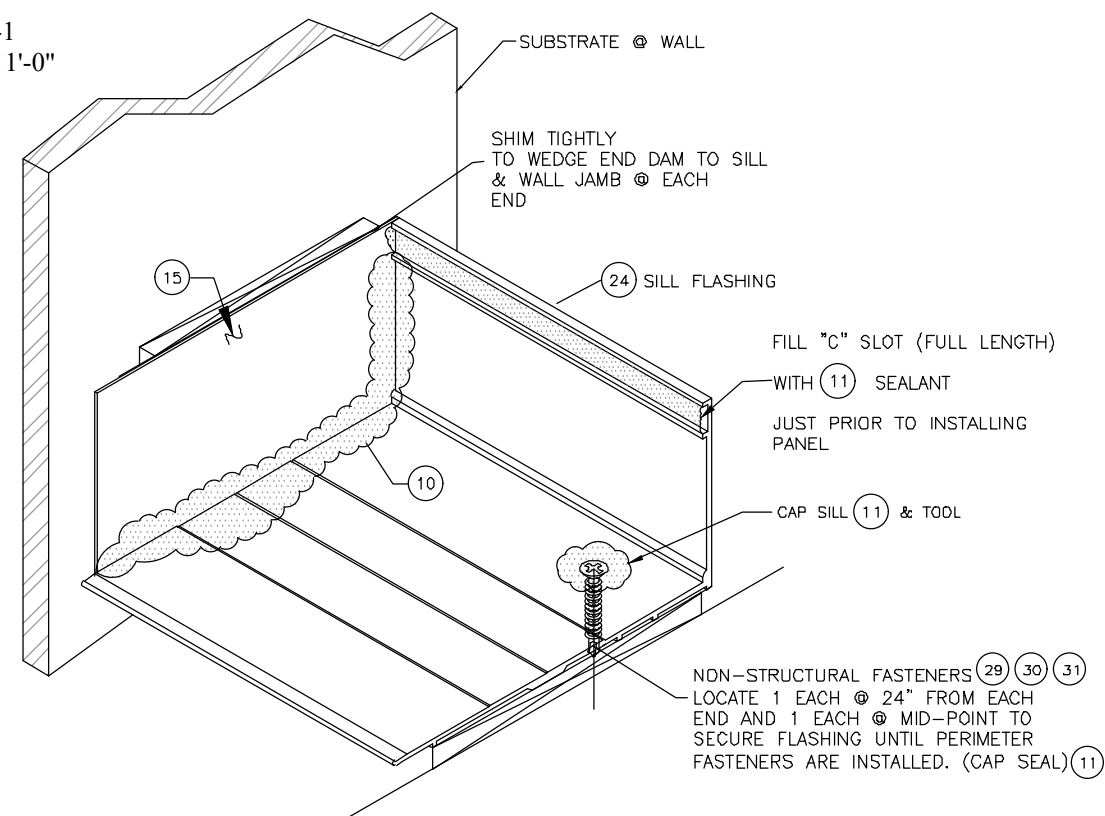


FIGURE-2
SCALE: 6" = 1'-0"

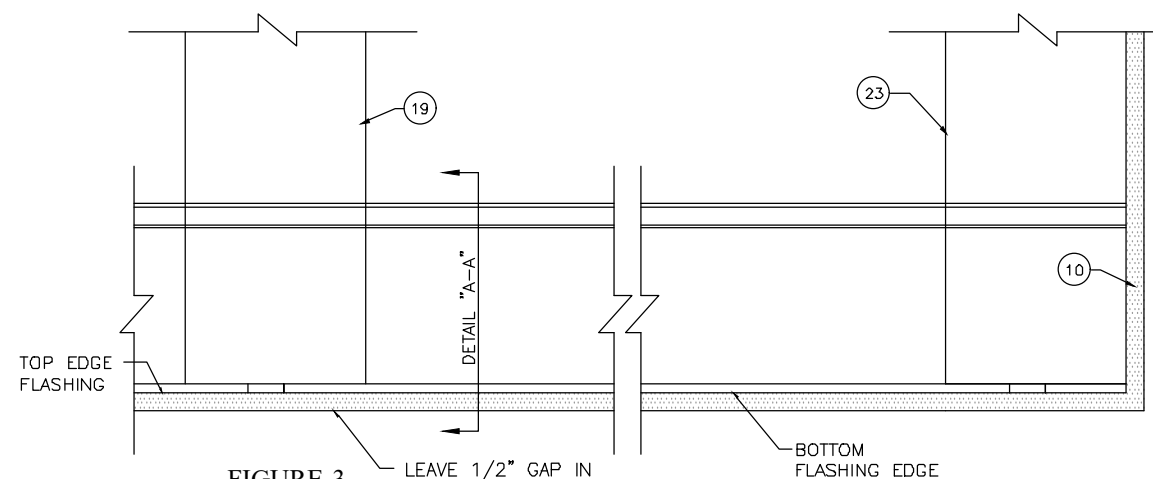
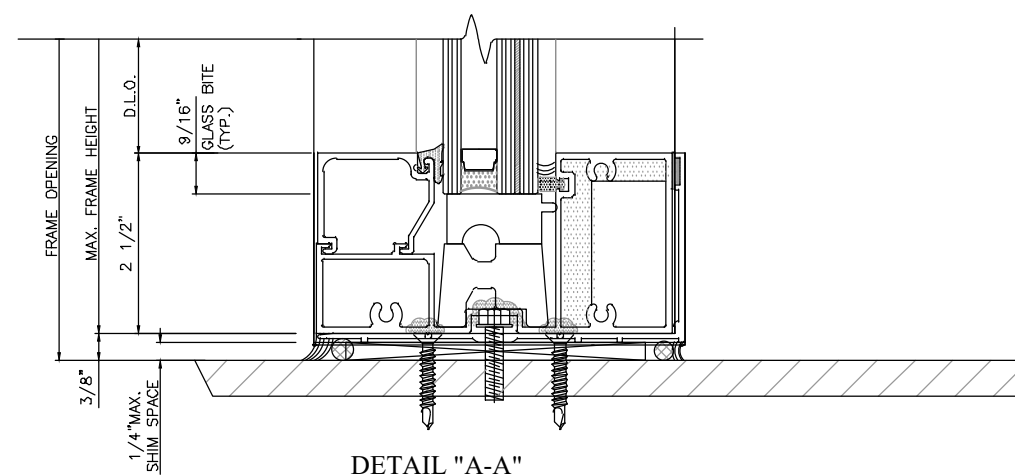
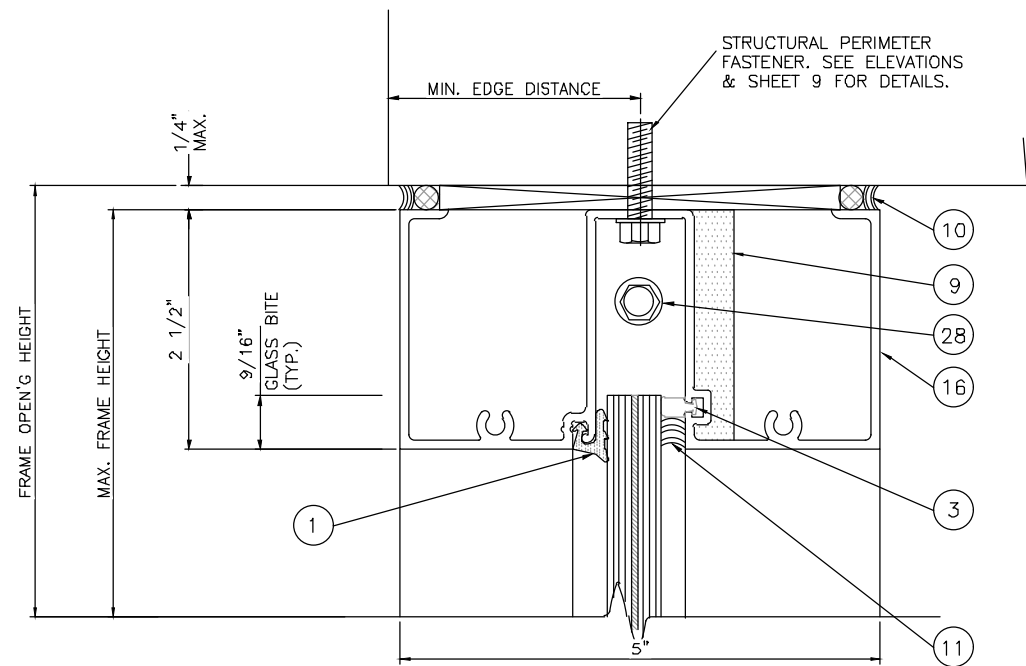
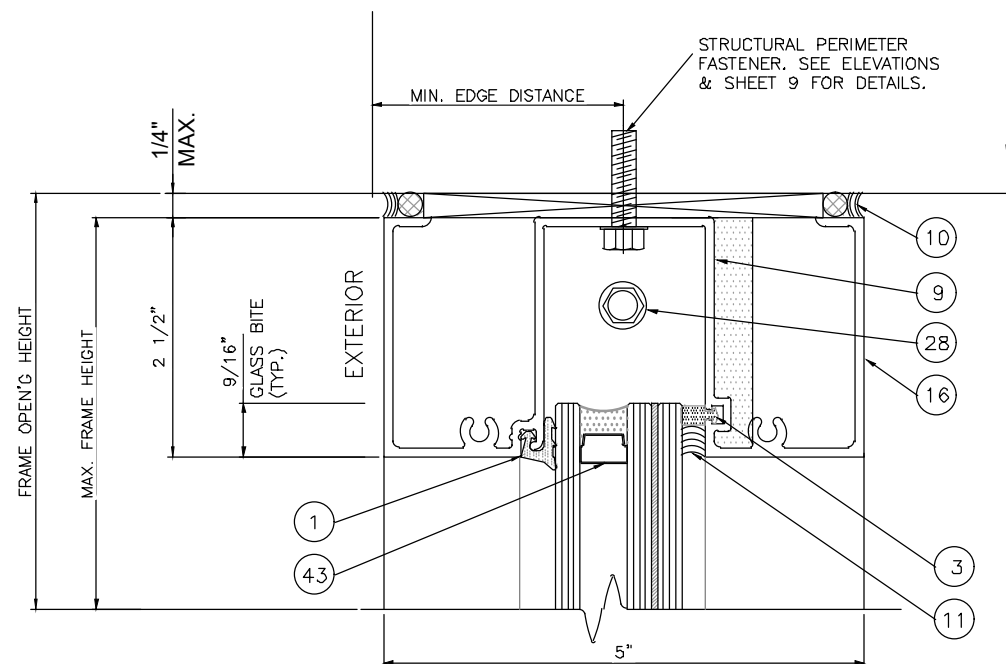


FIGURE-3
SCALE: 6" = 1'-0"





1 HEAD
11 SCALE: 1:2



1 HEAD (OPTION)
11 SCALE: 1:2

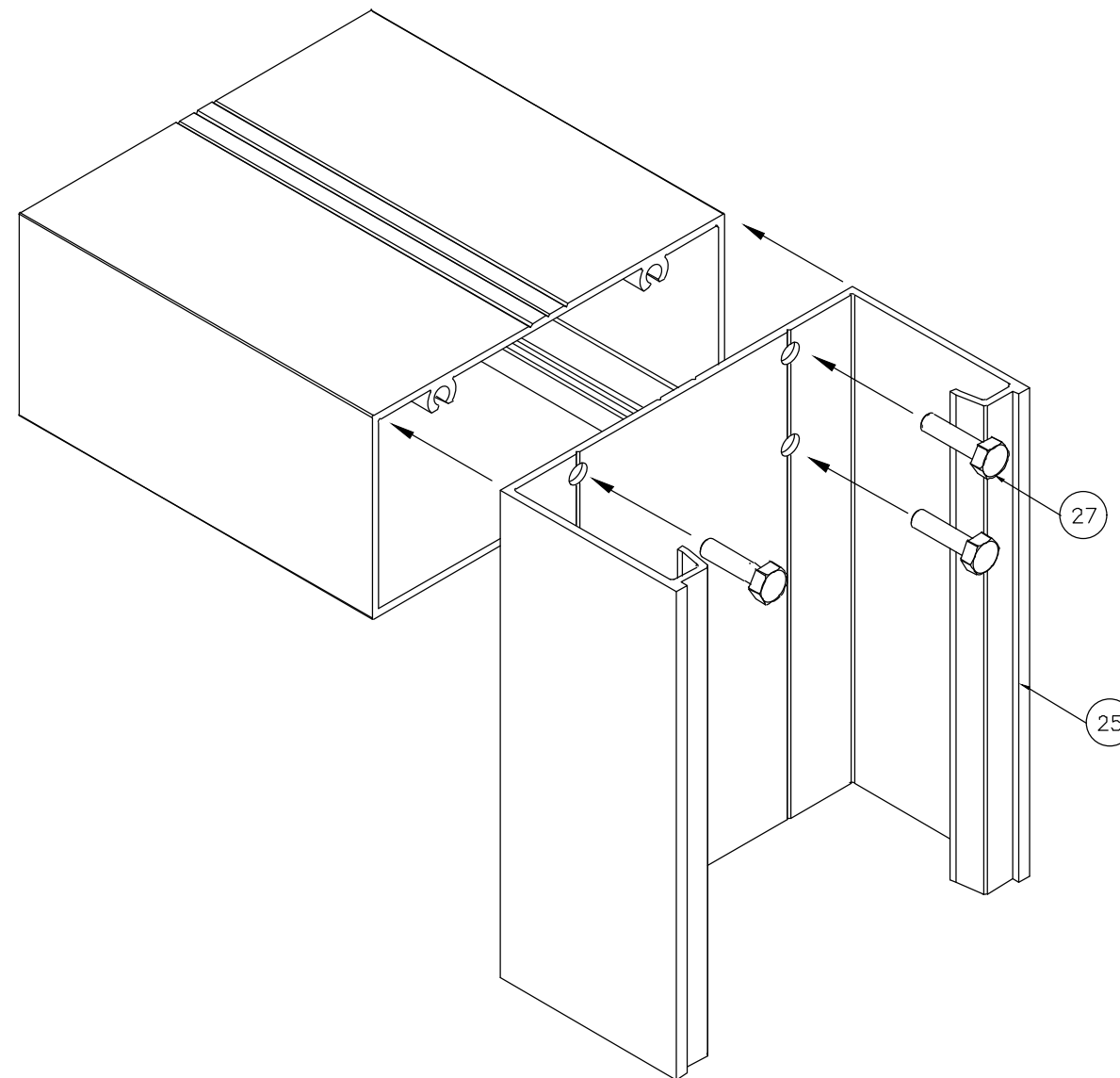


FIGURE: #2
FRAME ASSEMBLY

PRODUCT:

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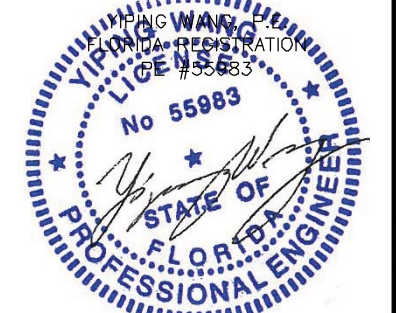
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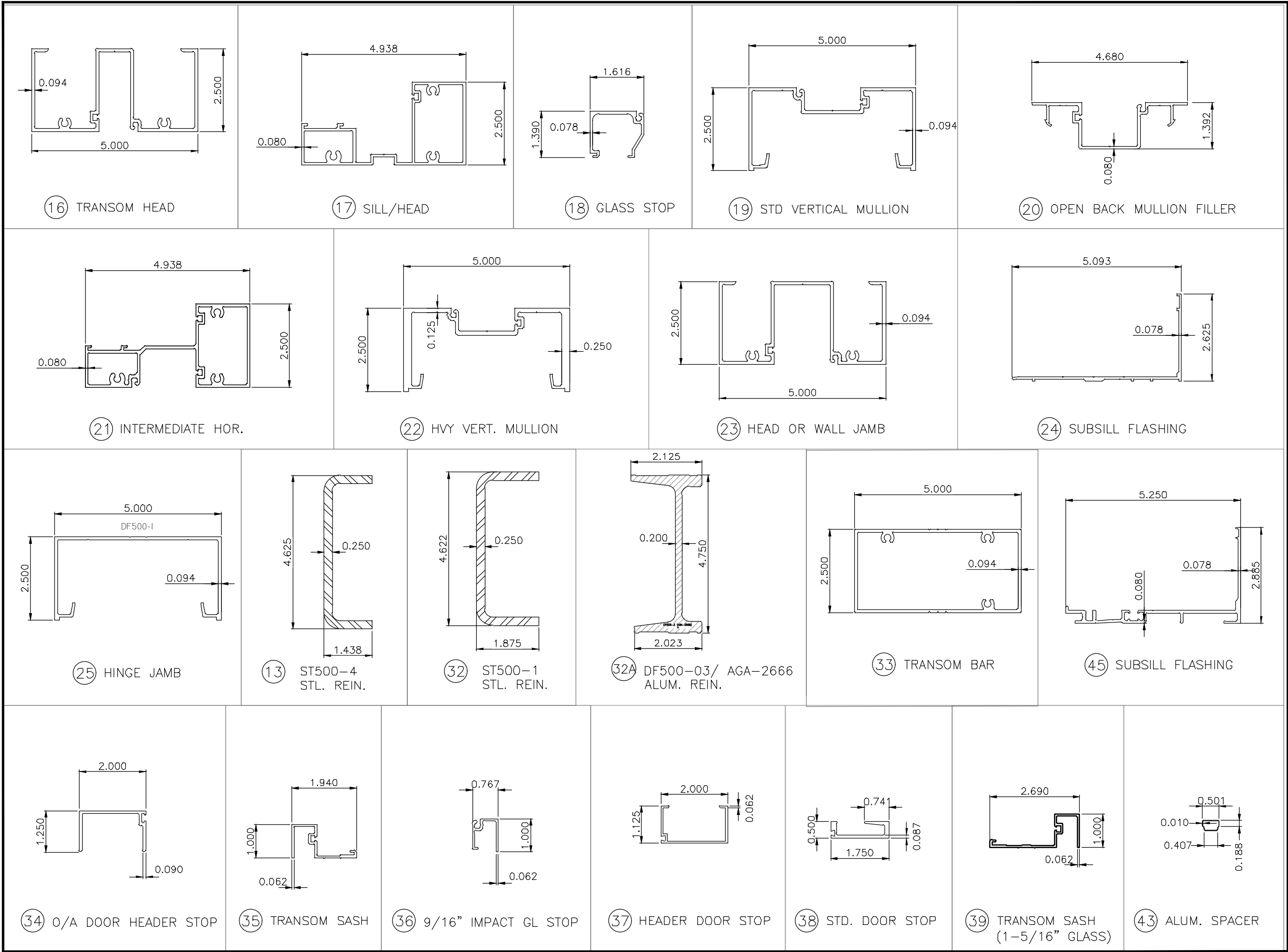
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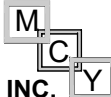
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PARTS

DRAWN: James	DRAWING No:
DATE: 09.16.2022	13 OF 14
DWG: AD15-08	

BILL OF MATERIAL					
ITEM NO	PART #	DESCRIPTION	MATERIAL	MANUFACTURER	NOTES
1	RG-2	EXTERIOR GLAZING GASKET	EPDM, DURO 65 +/- 5, SHORE-A	TRULITE	
2	RG-5	BULB GASKET @ DOOR STOP	EPDM, DURO 60 +/- 5, SHORE-A	TRULITE	
3	RG-8	INTERIOR SPACER GASKET	EPDM, DURO 75 +/- 5, SHORE-A	TRULITE	
4	RG-13	INTERIOR GASKET - DRY GLAZED	EPDM, DURO 65 +/- 5, SHORE-A	TRULITE	
5	RW500-1	W-BLOCK	EPDM, DURO 70 +/- 5, SHORE-A	TRULITE	
6	RSB-13	SETTING BLOCK @ SILL & HORIZONTAL	EPDM, DURO 85 +/- 5, SHORE-A	TRULITE	2 / LITE
7	RSB-14	SETTING BLOCK @ INVERTED HORIZONTAL	EPDM, DURO 85 +/- 5, SHORE-A	TRULITE	2 / LITE
8	RSB-15	SETTING BLOCK @ TRANSOM	EPDM, DURO 85 +/- 5, SHORE-A	TRULITE	2 / LITE
9	GT-1	JOINT SEALANT TAPE	BUTYL	SCHNEE-MOREHEAD	
10	DOWSIL 795	SILICONE- PERIMETER SEALANT	SILICONE	DOW	AT PERIMETER
11	DOWSIL 995	SILICONE -GLASS TO METAL	SILICONE	DOW	GLASS TO METAL
12	WD451	WATER DEFLECTOR	ABS PLASTIC	UNITED PLASTIC	AT EACH END INTERMEDIATE HORIZONTAL
13	ST500-4	STEEL REINFORCEMENT	A36 STEEL	VARIES	STEEL REINFORCEMENT
14	RSC500-1	SETTING CHAIR	EPDM, DURO 85 +/- 5, SHORE-A	TRULITE	2 / LITE AT SILL
15	ED500	END DAM	ABS PLASTIC	UNITED PLASTIC	
16	CG500-11	JAMB/HEAD	6063-T6 ALUMINUM	TRULITE	
17	CG501-2	SILL OR HEAD	6063-T6 ALUMINUM	TRULITE	
18	CG501-3	GLASS STOP	6063-T6 ALUMINUM	TRULITE	
19	CG501-4	STD. VERTICAL MULLION	6063-T6 ALUMINUM	TRULITE	
20	CG501-5	OPEN BACK MULLION FILLER	6063-T6 ALUMINUM	TRULITE	
21	CG501-6	INTERMEDIATE HORIZONTAL	6063-T6 ALUMINUM	TRULITE	
22	CG501-7	HEAVY VERTICAL MULLION	6063-T6 ALUMINUM	TRULITE	
23	CG501-11	HEAD OR WALL JAMB	6063-T6 ALUMINUM	TRULITE	
24	CG500-12	SUBSILL FLASHING	6063-T6 ALUMINUM	TRULITE	
25	DF500-1	HINGE JAMB	6063-T6 ALUMINUM	TRULITE	
26	FAS10-FH	FASTENER #10 X 3/4" PFH TEK	STEEL	VARIES	
27	FAS14-2	FASTENER #14 X 1 HHSTS	STEEL	VARIES	TYPICAL SPLINE SCREW
28	FAS25-1	FASTENER #10-24 X3/8 HH	STEEL	VARIES	ATTACH ST500-4 TO CG500-4
29	FASTENER	ATTACH ITEM # 21 TO CONCRETE SUBSTRATE #12 X 2" FHP TAPCON	STEEL	VARIES	1" MINIMUM EMBEDMENT NON-STRUCTURAL
30	FASTENER	ATTACH ITEM # 21 TO WOOD SUBSTRATE #12 X 2" FHP WD SCREW	STEEL	VARIES	1" MINIMUM EMBEDMENT NON-STRUCTURAL
31	FASTENER	ATTACH ITEM # 21 TO STL SUBSTRATE #12 X 1-1/2" S.D. FHP	STEEL	VARIES	1" LONG NON-STRUCTURAL
32	ST500-1	STEEL REINFORCEMENT	STEEL	VARIES	
32A	DF500-03/AGA-2666	ALUM. REINFORCEMENT	6063-T6 ALUMINUM	TRULITE	
33	DF500-2	TRANSOM MULLION	6063-T6 ALUMINUM	TRULITE	
34	DF102	O/A DOOR HEADER STOP	6063-T6 ALUMINUM	TRULITE	
35	DF106	TRANSOM SASH	6063-T6 ALUMINUM	TRULITE	
36	DF107	9/16" IMPACT GL STOP	6063-T6 ALUMINUM	TRULITE	
37	44013	HEADER DOOR STOP	6063-T6 ALUMINUM	TRULITE	
38	1046A	STD. DOOR STOP	6063-T6 ALUMINUM	TRULITE	
39	DF117	TRANSOM SASH (1-5/16" GLASS)	6063-T6 ALUMINUM	TRULITE	
40	NOT USED				
41	NOT USED				
42	RSB-18	SETTING BLOCK @ TRANSOM	EPDM, DURO 85 +/- 5, SHORE-A	TRULITE	
43	-	ALUMINUM SPACER	ALUMINUM	HELIMA HELVETION INT./ VARIES	
44	FAS10-1	FASTENER #10-16 X 1/2" HWH #2 SD	STEEL	VARIES	
45	CG502-37	SUBSILL FLASHING	6063-T6 ALUMINUM	TRULITE	
46	23219	FASTENER DIA. 1/4"-20 x 1 3/8? FHP MS 18-8 SS	STEEL	VARIES	
47	-	PLASTIC SHIM	PLASTIC	VARIES	
48	-	FASTENER #12 X 1-1/4" FHP SMS	STEEL	VARIES	
49	-	KODISPACE 4SG WARM EDGE SPACER	THERMOPLASTIC	HB/ FULLER/ KOMMERLING	



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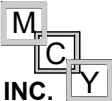
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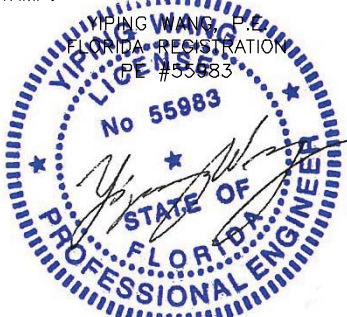
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