

TRULITE GLASS & ALUMINUM SOLUTIONS
SERIES CG502 STOREFRONT ALUMINUM STOREFRONT
LARGE AND SMALL MISSILE IMPACT

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 6TH EDITION FLORIDA BUILDING CODE (2017) / 7TH EDITION (2020) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- WINDOWS ARE RATED FOR LARGE AND SMALL MISSILE IMPACT. SHUTTERS OR EXTERNAL PROTECTION DEVICES ARE NOT REQUIRED.
- ULTIMATE DESIGN LOAD OBTAINED FROM ASCE 7-16, MULTIPLY BY 0.6, SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THE DOCUMENT.
- 1X OR 2X WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE, TO BE REVIEWED BY BUILDING OFFICIAL.
- 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 6TH EDITION / 7TH EDITION FLORIDA BUILDING CODE (2017/2020) SECTION AS APPLICABLE.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

NOTE:
"RESISTOR (CG502) 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)

INSTRUCTIONS
USE CHARTS AS FOLLOWS

STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-16 STANDARD.

STEP 2: SELECT GLASS TYPE AS SHOWN ON SHEET 2.

STEP 3: SEE CHART ON SHEET 4 FOR MULLION CAPACITY.

STEP 4: SEE CHARTS ON SHEETS 4 TO 6 FOR DOOR JAMB MULLION CAPACITIES.

STEP 5: SELECT ANCHOR TYPES TO BE USED ON SHEET 8 AND ANCHOR CAPACITY ON SHEET 7.

STEP 6: THE LOWEST VALUE RESULTING FROM STEPS 2, 3, 4 & 5 SHALL APPLY TO ENTIRE SYSTEM.

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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PEACHTREE CITY, GA 30269
p. 800-432-8132

PRODUCT:

**RESISTOR CG502
STOREFRONT
SYSTEM**

L.M.I. & S.M.I.
(WET/DRY GLAZED)



REVN	DATE/REMARKS
REV.3	UPDATE DOOR JAMB ADD SPACER

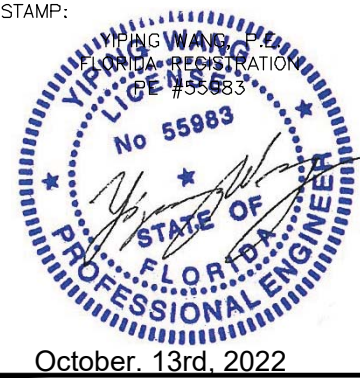
ENGINEER:



MCY ENGINEERING, INC.
GLAZING CONSULTANT

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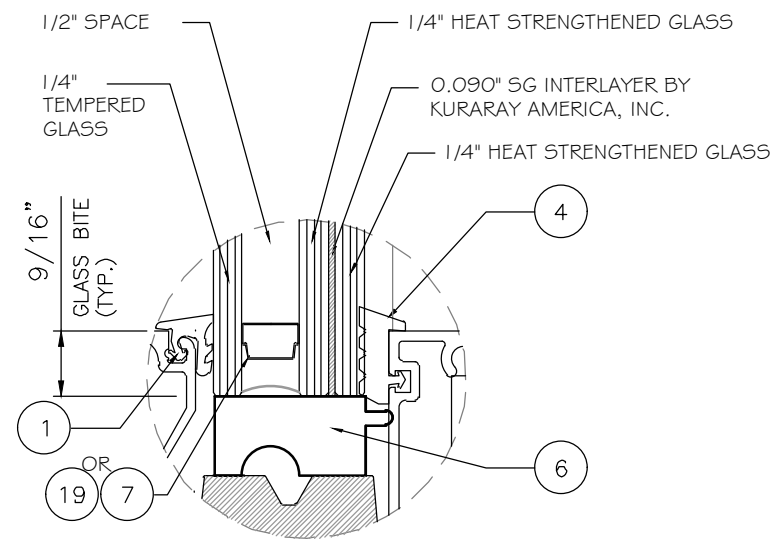


October, 13rd, 2022

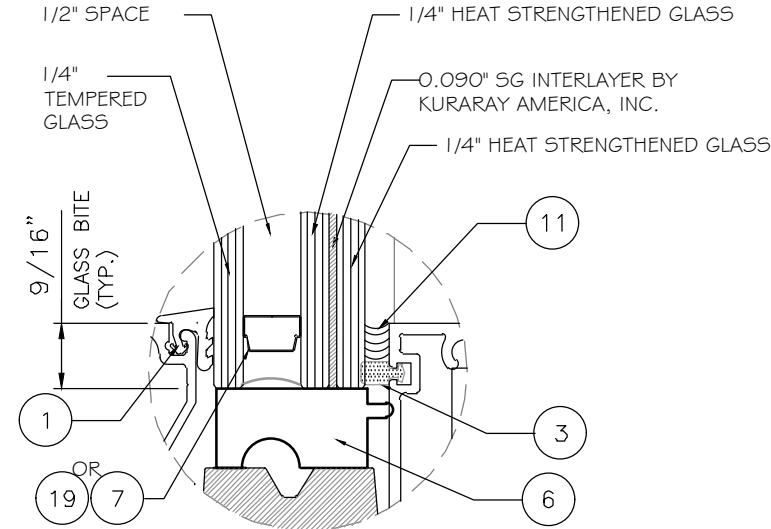
FLORIDA APPROVAL NUMBER:

FL# 26962

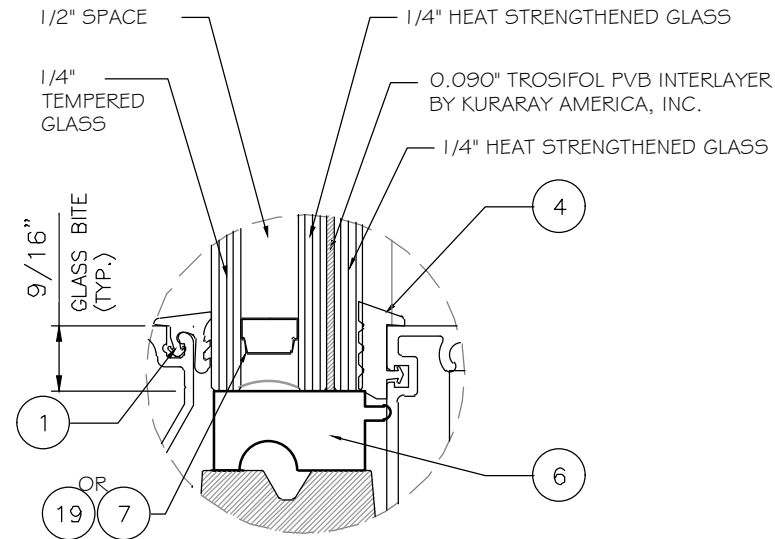
DRAWN: James	DRAWING No:
DATE: 09.19.2022	1 OF 15
DWG: AD18-16	



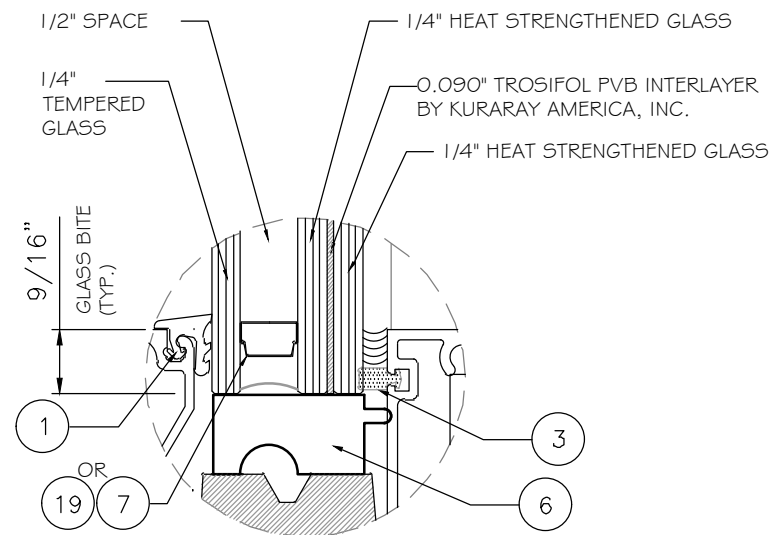
GLASS TYPE "IA"
DRY GLAZED



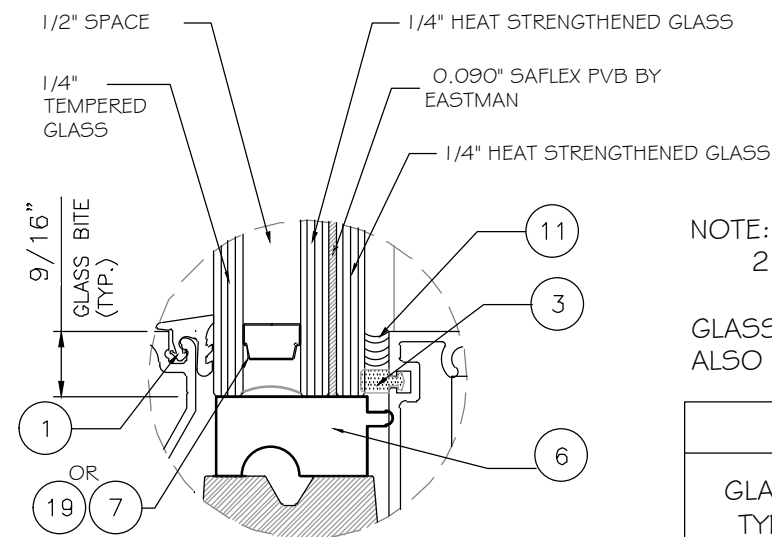
GLASS TYPE "IA"
WET GLAZED



GLASS TYPE "IB"
DRY GLAZED



GLASS TYPE "IB"
WET GLAZED



GLASS TYPE "IC"
WET GLAZED

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

GLASS WITH DIFFERENT CONFIGURATION BUT WITH THE SAME AREA ARE ALSO QUALIFY TO SAME DESIGN LOAD CAPACITY

CG502 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
IC	WET GLAZED	45-1/2 X 96	30.33	+65/-65

PRODUCT:

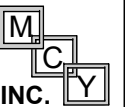
**RESISTOR CG502
STOREFRONT
SYSTEM**

L.M.I. & S.M.I.
(WET/DRY GLAZED)

Resistor
PRODUCT SERIES

REV#	DATE/REMARKS
REV.3	UPDATE DOOR JAMB ADD SPACER

ENGINEER:



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STAMP:



October. 13rd, 2022

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2 OF 15

DWG: AD18-16



Resistor
PRODUCT SERIES

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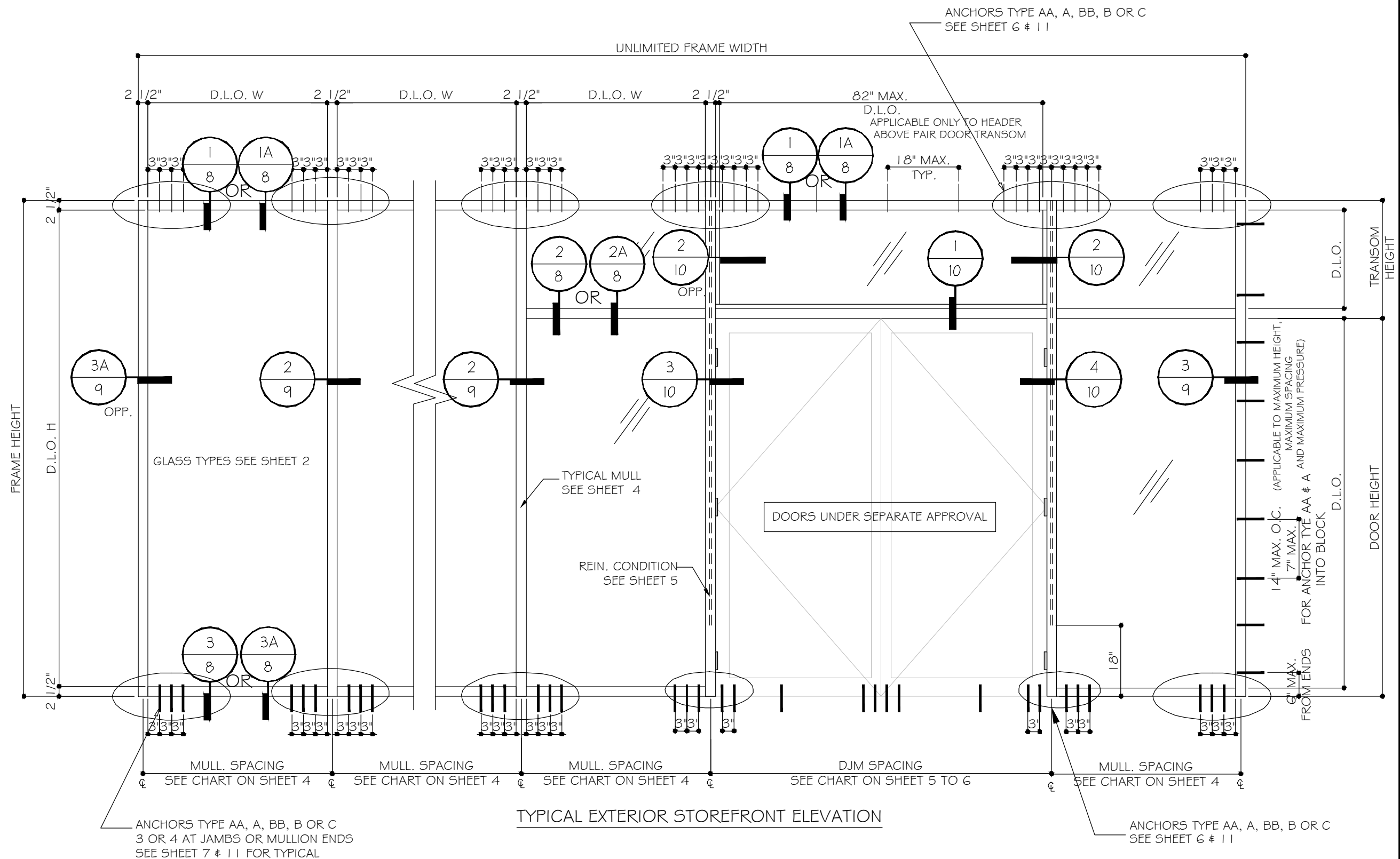
YIPING WANG, P.E.
FLORIDA REGISTRATION
No. 55983



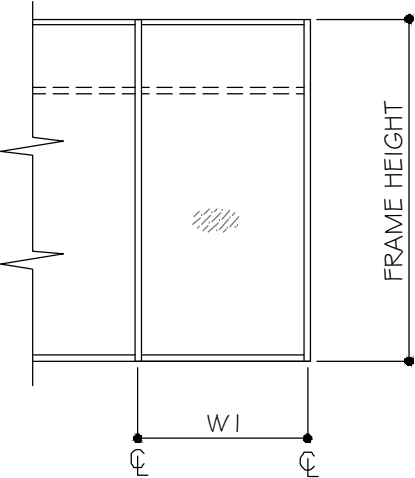
The seal is a circular blue stamp. The outer ring contains the text "YIPING WANG, P.E." at the top, "FLORIDA REGISTRATION" on the right, and "No. 55983" at the bottom. The inner circle contains the text "STATE OF FLORIDA" and "PROFESSIONAL ENGINEER" around the perimeter, with a star in the center.

FL# 26962

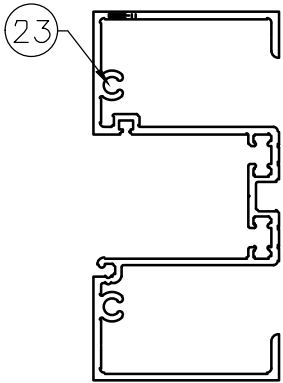
DWG: AD18-16



MULLION DESIGN LOAD CAPACITIES					
MULLION DIMENSION		MULLION (M3)		JAMB (J1)	
HEIGHT (IN.) (F.H)	SPACING (IN.) (W)	(+) PSF	(-) PSF	(+) PSF	(-) PSF
89	36	65.0	80.0	65.0	80.0
	42	65.0	80.0	65.0	80.0
	48	65.0	80.0	65.0	80.0
	54	65.0	80.0	65.0	80.0
	60	65.0	80.0	65.0	80.0
90	36	65.0	80.0	65.0	80.0
	42	65.0	80.0	65.0	80.0
	48	65.0	80.0	65.0	80.0
	54	65.0	80.0	65.0	80.0
	60	65.0	80.0	65.0	80.0
96	36	65.0	80.0	65.0	80.0
	42	65.0	80.0	65.0	80.0
	48	65.0	80.0	65.0	80.0
	54	65.0	80.0	65.0	80.0
	60	65.0	80.0	65.0	80.0
102	36	65.0	80.0	65.0	80.0
	42	65.0	80.0	65.0	80.0
	48	65.0	80.0	65.0	80.0
	54	65.0	80.0	65.0	80.0
	60	65.0	80.0	65.0	80.0
108	30	64.0	79.0	60.0	60.0
	36	65.0	80.0	65.0	80.0
	42	65.0	80.0	65.0	80.0
	48	65.0	80.0	65.0	80.0
	54	65.0	80.0	65.0	76.1
114	30	64.0	79.0	64.0	79.0
	36	65.0	80.0	65.0	80.0
	42	65.0	80.0	65.0	80.0
	48	65.0	80.0	65.0	76.8
	60	65.0	80.0	65.0	76.8
120	30	64.0	79.0	64.0	79.0
	36	65.0	80.0	65.0	80.0
	42	65.0	80.0	65.0	79.2
	48	65.0	73.7	65.0	69.3
	60	65.0	73.7	65.0	69.3
126	30	64.0	79.0	64.0	79.0
	36	65.0	80.0	65.0	80.0
	42	65.0	76.4	65.0	71.9
	48	65.0	66.8	62.9	62.9
	60	65.0	66.8	62.9	62.9
132	30	64.0	76.5	64.0	71.9
	36	65.0	77.5	65.0	72.9
	42	65.0	66.4	62.5	62.5
	48	65.0	66.8	62.8	62.8
	60	65.0	66.8	62.8	62.8
138	30	64.0	66.8	62.8	62.8
	36	65.0	67.8	63.8	63.8
	42	58.1	58.1	54.7	54.7
	48	58.7	58.7	55.2	55.2
	60	59.7	59.7	56.2	56.2
144	30	51.1	51.1	48.1	48.1
	36	51.1	51.1	48.1	48.1
	42	51.1	51.1	48.1	48.1
	48	51.1	51.1	48.1	48.1
	60	51.1	51.1	48.1	48.1

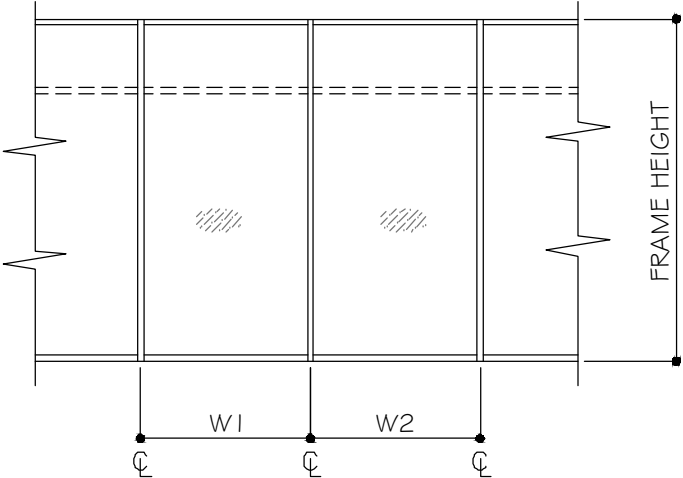


WIDTH (W) = W1 (JAMB)

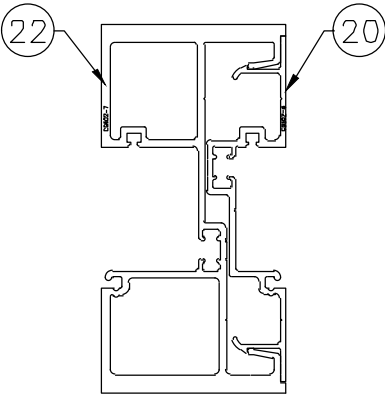


UNANCHORED JAMB

JAMB (J1)	I _x IN ^ 4	S _x IN ^ 3
CG502-11	4.9132	1.9678



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



HEAVY MULLION

MULLION (M3)	I _x IN ^ 4	S _x IN ^ 3
CG502-7	9.2867	3.6967
CG502-5	1.1536	0.4758
TOTAL	10.4405	4.1559



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(WET/DRY GLAZED)

Resistor
PRODUCT SERIES

REVN	DATE/REMARKS
REV.3	UPDATE DOOR JAMB ADD SPACER

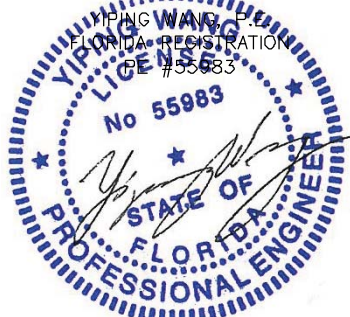
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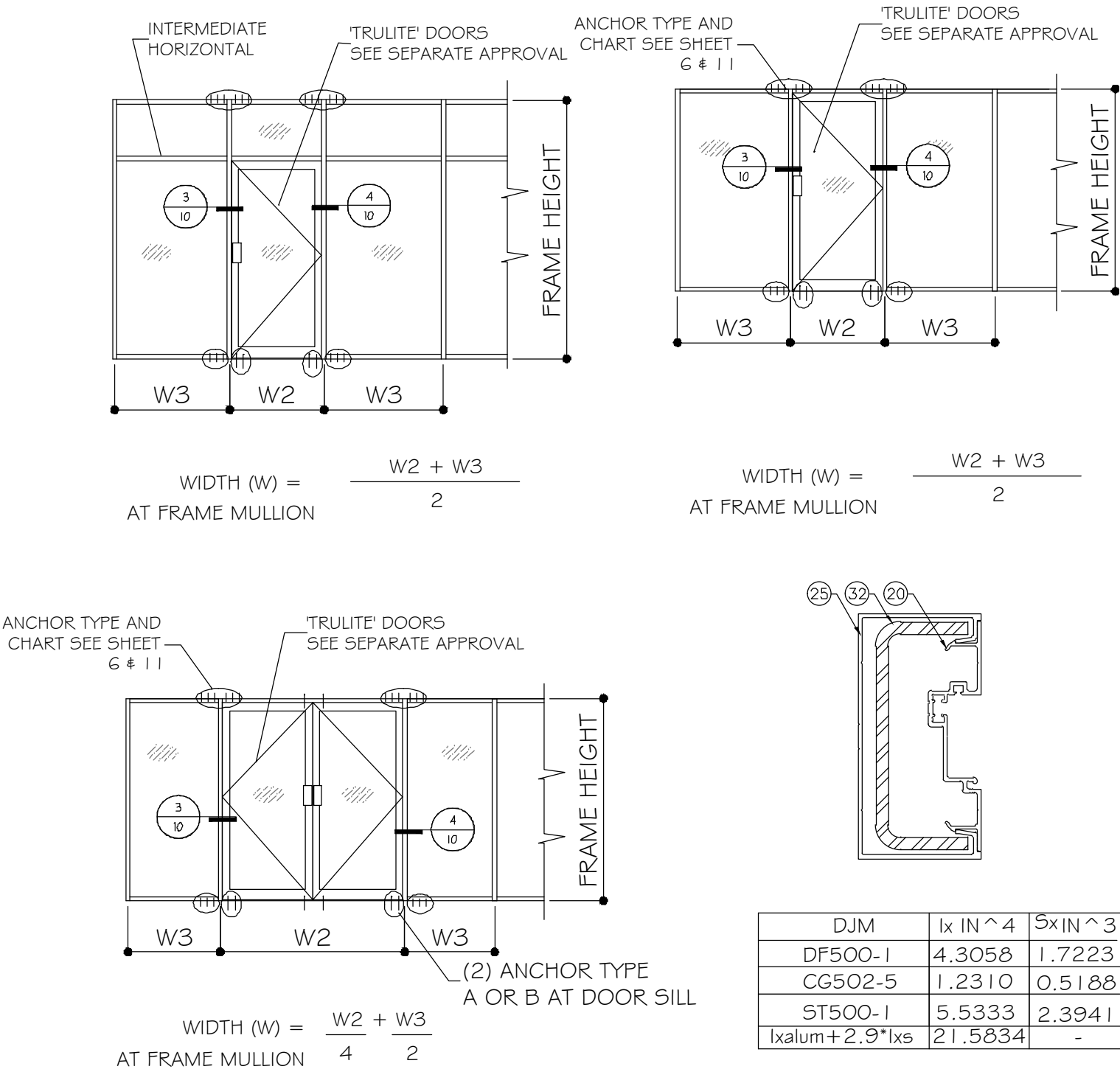
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DATE: 09.19.2022	4 OF 15
DWG: AD18-16	

DOOR JAMB MULLION DESIGN LOAD CAPACITIES FOR (O/X), (X) OR (XX)			
MULLION DIMENSION		DESIGN LOAD	
HEIGHT FH(IN.)	WIDTH W (IN.)	(+) PSF	(-) PSF
114	42	70.0	70.0
	48	70.0	70.0
	54	70.0	70.0
	60	70.0	70.0
120	42	70.0	70.0
	48	70.0	70.0
	54	70.0	70.0
	60	68.0	68.0
126	42	70.0	70.0
	48	70.0	70.0
	54	70.0	70.0
	60	65.0	65.0
132	42	70.0	70.0
	48	70.0	70.0
	54	66.0	66.0
	60	59.0	59.0
138	42	70.0	70.0
	48	68.0	68.0
	54	60.0	60.0
	60	54.0	54.0
144	42	70.0	70.0
	48	62.0	62.0
	54	55.0	55.0

- NOTES:
- ENTRANCE DOOR UNDER SEPARATE PRODUCT APPROVALS.
THE LOWER DESIGN PRESSURE OF WINDOW WALL OR DOOR
WILL GOVERN.
 - FOR DOOR DETAILS REFER TO DOOR PRODUCT APPROVAL.



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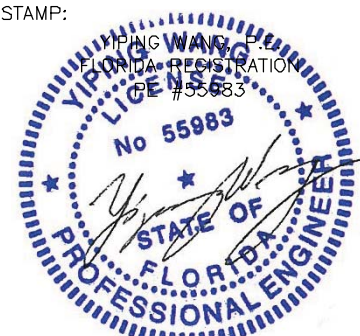
Resistor
PRODUCT SERIES

REV#	DATE/REMARKS
REV.3	UPDATE DOOR JAMB ADD SPACER

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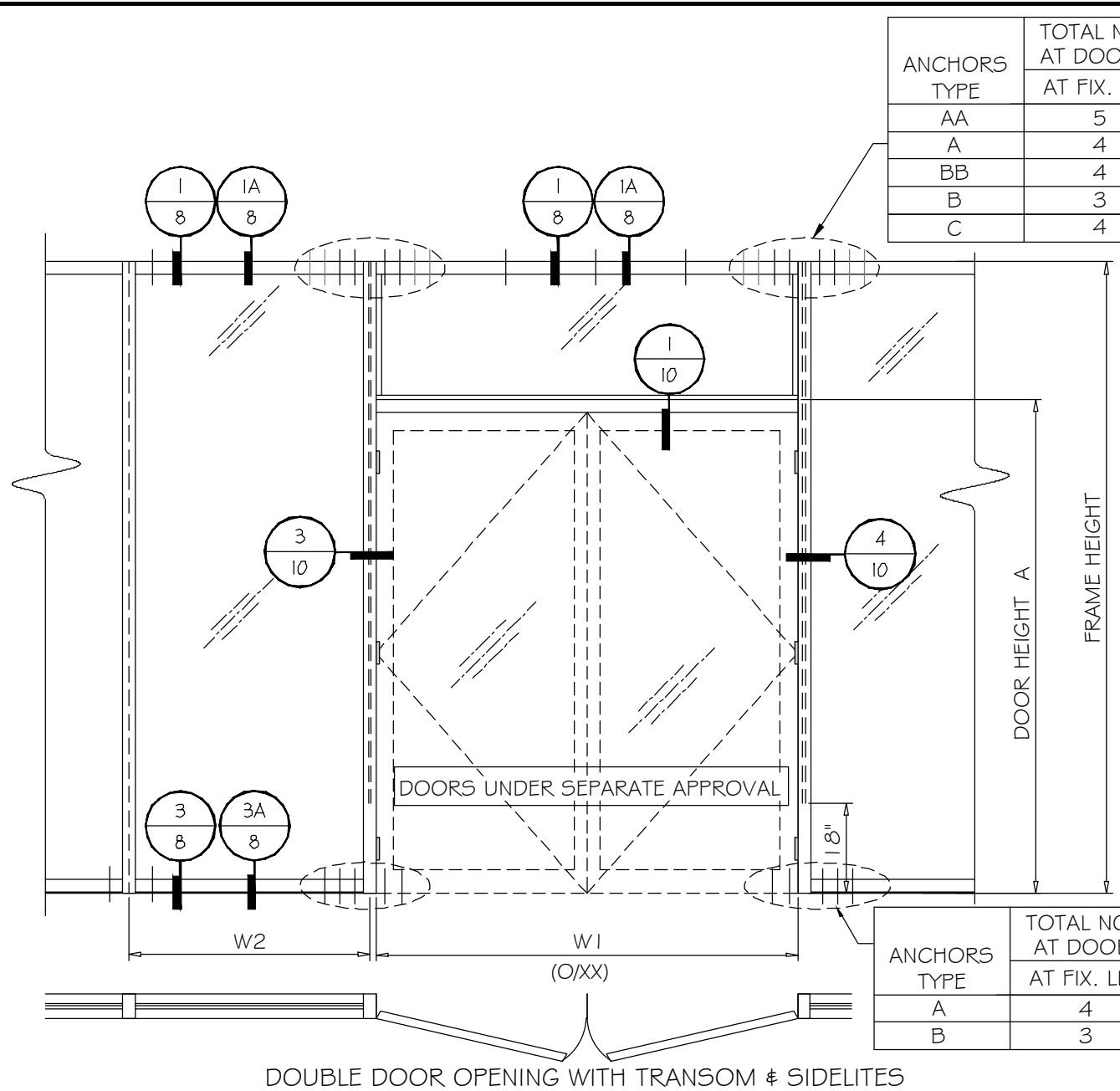


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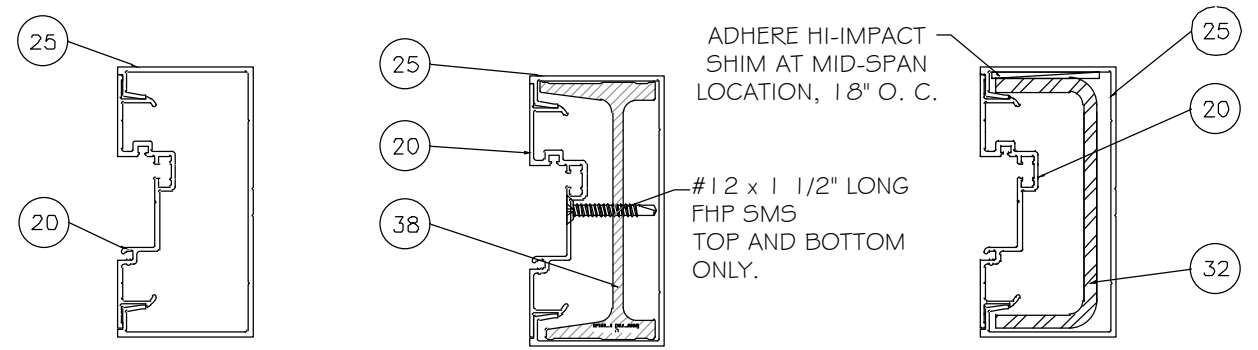
ANCHORS TYPE	TOTAL NO. OF ANCHORS AT DOOR MULLION HEAD	
	AT FIX. LITE	AT DOOR
AA	5	5
A	4	4
BB	4	4
B	3	3
C	4	4

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
	60	72	96	70.0	DJ3
120	48	84	96	53.0	DJ2
	26	72	96	48.0	DJ1
	26	72	84	44.5	DJ1
	60	72	96	70.0	DJ3
108	60	72	96	67.5	DJ2
	36	72	96	63.5	DJ1
	36	72	90	60.0	DJ1
	36	72	84	57.5	DJ1
*96	60	72	96	70.0	DJ1
	48	72	96	+70.0/-85.0	DJ1

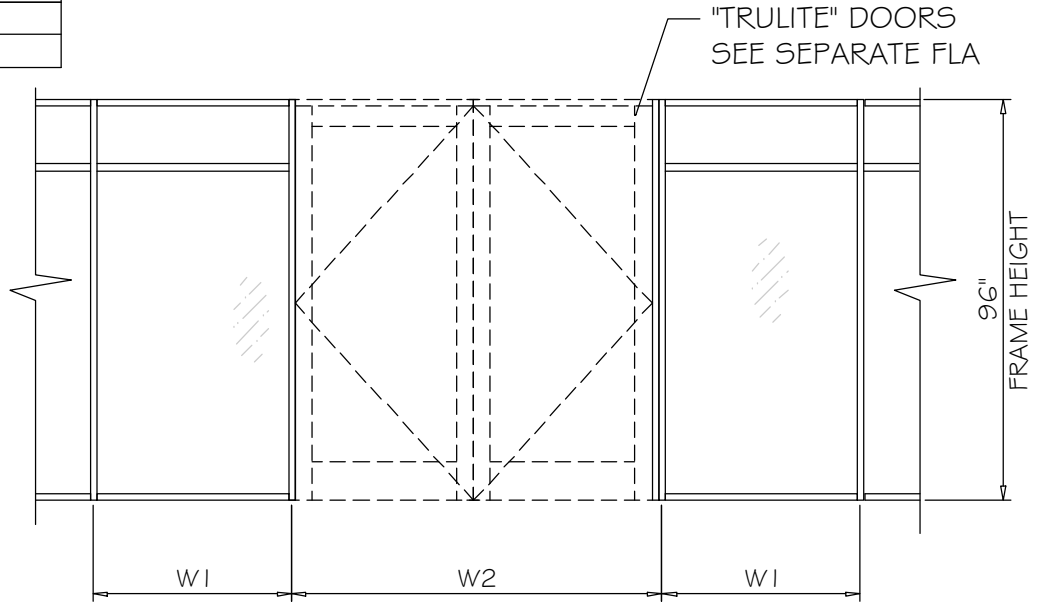
- NOTE:
- 1. SINGLE DOOR AUTOMATICALLY QUALIFIES WITH THE SAME LIMITATION AS THE DOUBLE DOOR.
 - 2. [*] DENOTES DOOR JAMB WITHOUT TRANSOM
 - 3. [**] MINIMUM DOOR HEIGHT. REFER TO DOOR PRODUCT APPROVAL FOR MAXIMUM DOOR SIZE.

ANCHORS TYPE	TOTAL NO. OF ANCHORS AT DOOR MULLION SILL	
	AT FIX. LITE	AT DOOR
A	4	2
B	3	2

DOUBLE DOOR OPENING WITH TRANSOM & SIDELITES



DJ1			DJ2			DJ3		
	1x IN^4	5x IN^3		1x IN^4	5x IN^3		1x IN^4	5x IN^3
DF500-1	4.3058	1.7223	DF500-1	4.3058	1.7223	DF500-1	4.3058	1.7223
CG502-5	1.1503	0.4762	CG502-5	1.1503	0.4762	CG502-5	1.1503	0.4762
TOTAL	5.4561		DF500-03	7.0692	2.9443	ST500-1	5.5333	2.3941
			TOTAL	12.5253		TOTAL	21.5027	



DOOR JAMB WITHOUT TRANSOM



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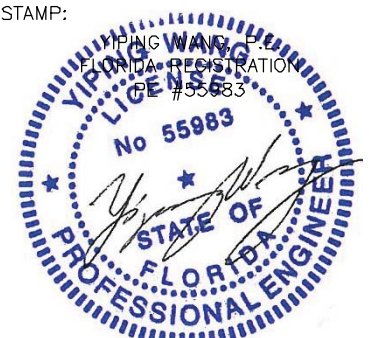
Resistor
PRODUCT SERIES

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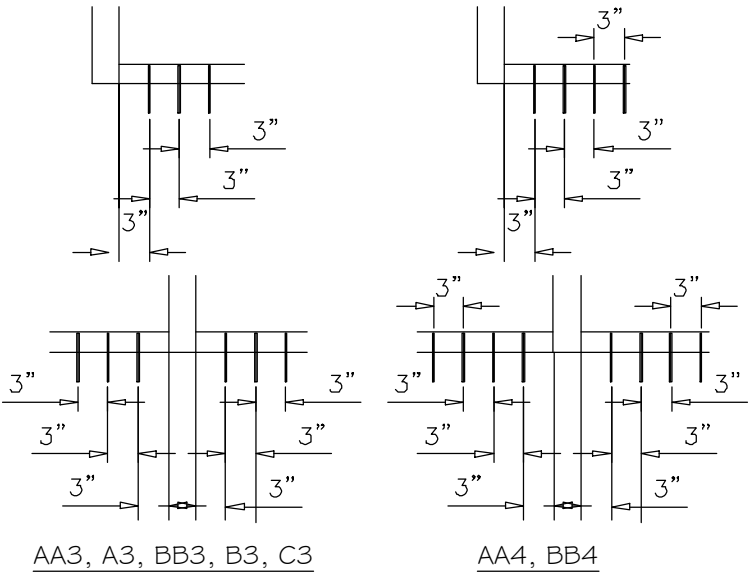
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NOMINAL DIMENSION		ANCHOR TYPES					
		AA3	AA4	BB3	BB4	A3/C3	B3
		3/8" MAX. SHIM					
		DESIGN LOAD CAPACITY					
HEIGHT (IN.)	WIDTH (IN.)	(+/-) PSF	(+/-) PSF	(+/-) PSF	(+/-) PSF	(+/-) PSF	(+/-) PSF
84	36	80.0	80.0	80.0	80.0	80.0	80.0
	42	80.0	80.0	80.0	80.0	80.0	80.0
	48	80.0	80.0	80.0	80.0	80.0	80.0
	54	75.4	80.0	80.0	80.0	80.0	80.0
	60	67.9	80.0	80.0	80.0	80.0	80.0
90	36	80.0	80.0	80.0	80.0	80.0	80.0
	42	80.0	80.0	80.0	80.0	80.0	80.0
	48	79.2	80.0	80.0	80.0	80.0	80.0
	54	70.4	80.0	80.0	80.0	80.0	80.0
	60	63.4	80.0	75.2	80.0	79.7	80.0
	66	57.6	76.8	68.4	80.0	72.4	80.0
96	36	80.0	80.0	80.0	80.0	80.0	80.0
	42	80.0	80.0	80.0	80.0	80.0	80.0
	48	74.3	80.0	80.0	80.0	80.0	80.0
	54	66.0	80.0	78.3	80.0	80.0	80.0
	60	59.4	79.2	70.5	80.0	74.7	80.0
102	36	80.0	80.0	80.0	80.0	80.0	80.0
	42	79.9	80.0	80.0	80.0	80.0	80.0
	48	69.9	80.0	80.0	80.0	80.0	80.0
	54	62.1	80.0	73.7	80.0	78.1	80.0
108	36	80.0	80.0	80.0	80.0	80.0	80.0
	42	75.4	80.0	80.0	80.0	80.0	80.0
	48	66.0	80.0	78.3	80.0	80.0	80.0
	54	58.7	78.2	69.6	80.0	73.8	80.0
114	36	80.0	80.0	80.0	80.0	80.0	80.0
	42	71.5	80.0	80.0	80.0	80.0	80.0
	48	62.5	80.0	74.2	80.0	78.6	80.0
120	36	79.2	80.0	80.0	80.0	80.0	80.0
	42	67.9	80.0	80.0	80.0	80.0	80.0
	48	59.4	79.2	70.5	80.0	74.7	80.0
126	36	75.4	80.0	80.0	80.0	80.0	80.0
	42	64.7	80.0	76.7	80.0	80.0	80.0
	48	56.6	75.4	67.1	80.0	71.1	80.0
132	36	72.0	80.0	80.0	80.0	80.0	80.0
	42	61.7	80.0	73.2	80.0	77.6	80.0
138	36	68.9	80.0	80.0	80.0	80.0	80.0
	42	59.0	78.7	70.1	80.0	74.2	80.0
144	36	66.0	80.0	78.3	80.0	80.0	80.0
	42	56.6	75.4	67.1	80.0	71.1	80.0



ANCHORS TYPES: SEE SHEET 11 OF 15 FOR DESCRIPTION

- AA3: (3) ANCHOR TYPE AA AT EACH SIDE OF MULLION OR JAMB
AA4: (4) ANCHOR TYPE AA AT EACH SIDE OF MULLION OR JAMB
BB3: (3) ANCHOR TYPE BB AT EACH SIDE OF MULLION OR JAMB
BB4: (4) ANCHOR TYPE BB AT EACH SIDE OF MULLION OR JAMB
A3: (3) ANCHOR TYPE A AT EACH SIDE OF MULLION OR JAMB
B3: (3) ANCHOR TYPE B AT EACH SIDE OF MULLION OR JAMB
C3: (3) ANCHOR TYPE C AT EACH SIDE OF MULLION OR JAMB



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PRODUCT:

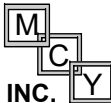
**RESISTOR CG502
STOREFRONT
SYSTEM**

L.M.I. & S.M.I.
(WET/DRY GLAZED)



REVN	DATE/REMARKS
REV.3	UPDATE DOOR JAMB ADD SPACER

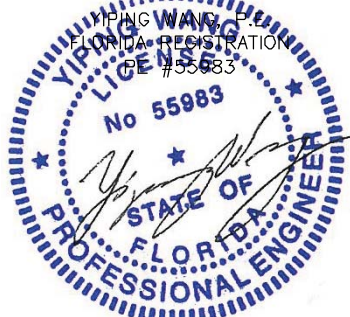
ENGINEER:



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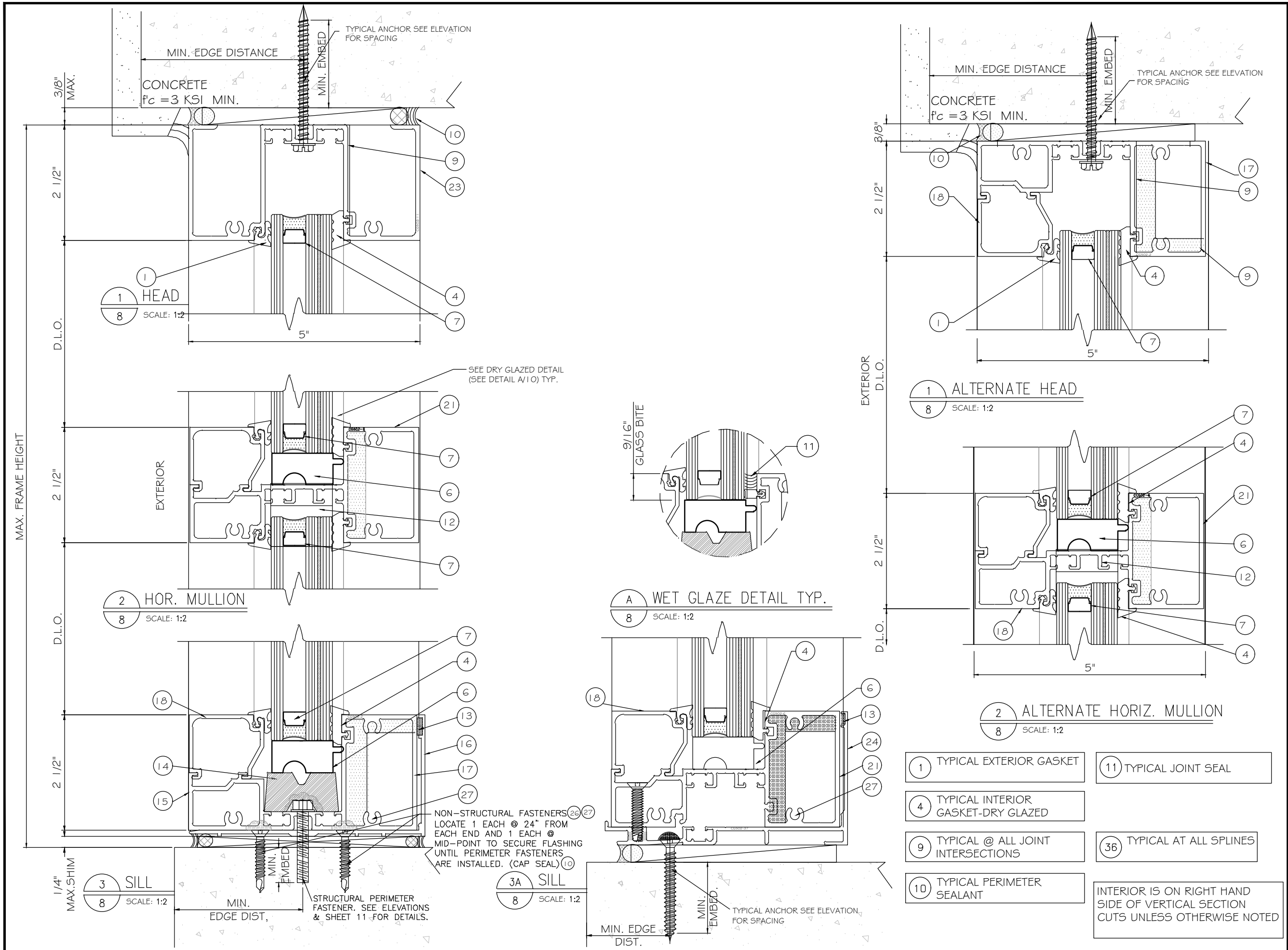


October. 13rd, 2022

FLORIDA APPROVAL NUMBER:

FL# 26962

DRAWN: James	DRAWING No:
DATE: 09.19.2022	7 OF 15
DWG: AD18-16	



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PRODUCT:

**RESISTOR CG502
STOREFRONT
SYSTEM**

L.M.I. & S.M.I.
(WET/DRY GLAZED)

Resistor
PRODUCT SERIES

REVN	DATE/REMARKS
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ENGINEER:

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DRAWN: James	DRAWING No:
DATE: 09.19.2022	8 OF 15
DWG: AD18-16	

PRODUCT:

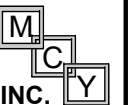
**RESISTOR CG502
STOREFRONT
SYSTEM**

L.M.I. & S.M.I.
(WET/DRY GLAZED)

Resistor
PRODUCT SERIES

REVN	DATE/REMARKS
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ENGINEER:



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FLORIDA APPROVAL NUMBER:

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DRAWN: James

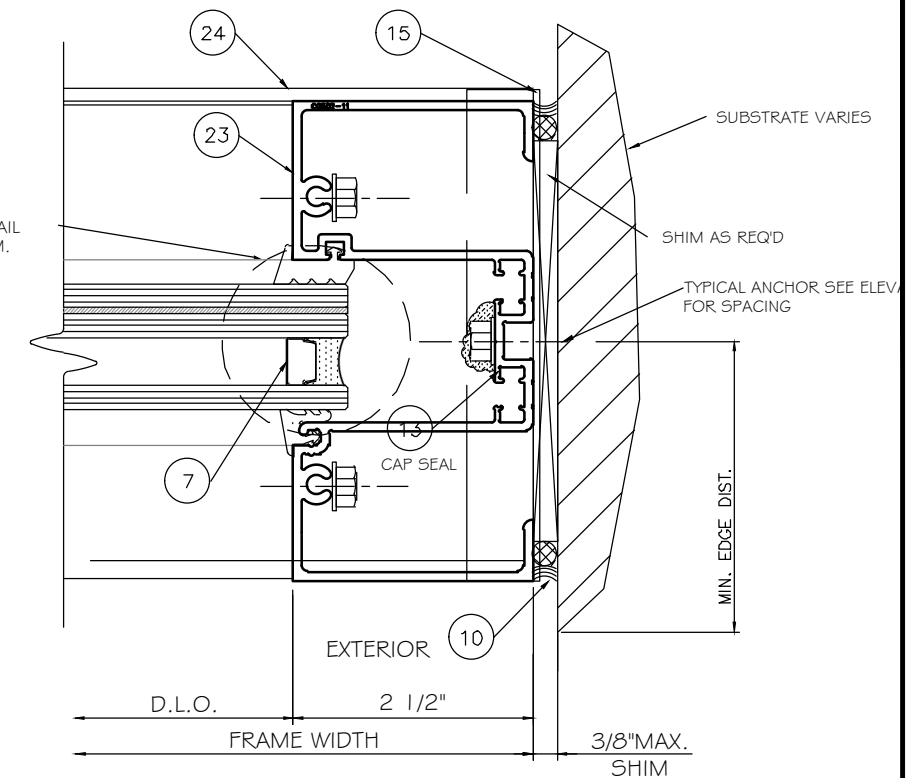
DATE: 09.19.2022

DWG: AD18-16

DRAWING No:

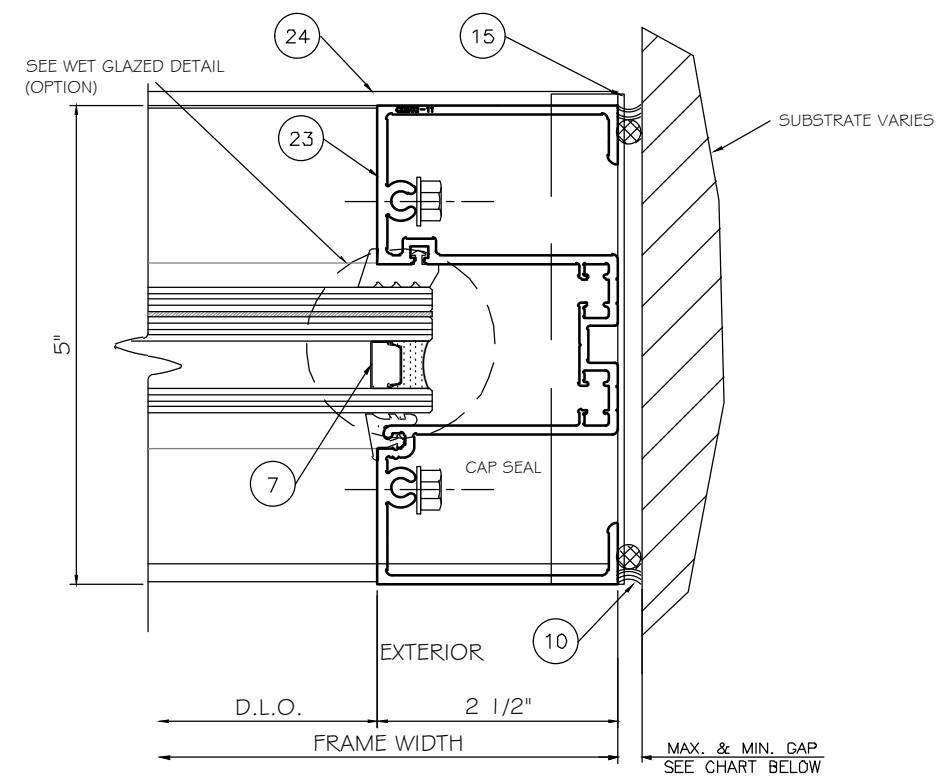
9 OF 15

SEE DRY GLAZED DETAIL
(SEE DETAIL A/07) SIM.



3 TYPICAL ANCHORED JAMB

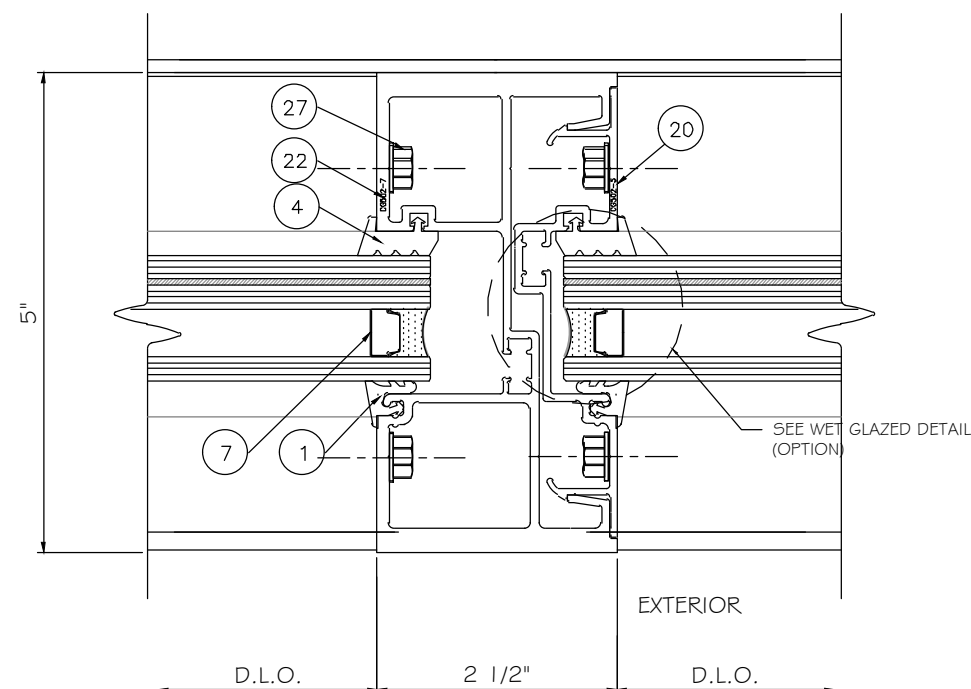
9 SCALE: 1:2



3A FREE STANDING JAMB (J1)

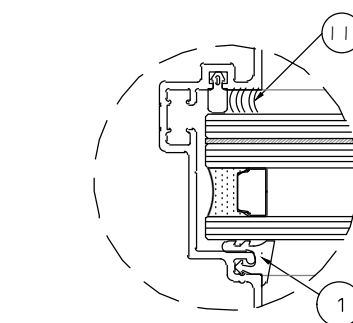
9 SCALE: 1:2

MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
84"	1/4"	1/2"
120"	3/8"	1/2"
144"	1/2"	1/2"



2 HEAVY VERT. MULLION (M3)

9 SCALE: 1:2



A WET GLAZE DETAIL TYP.

9 SCALE: 1:2

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

PRODUCT:

**RESISTOR CG502
STOREFRONT
SYSTEM**

L.M.I. & S.M.I.
(WET/DRY GLAZED)

Resistor
PRODUCT SERIES

REVN	DATE/REMARKS
REV.3	UPDATE DOOR JAMB ADD SPACER

ENGINEER:



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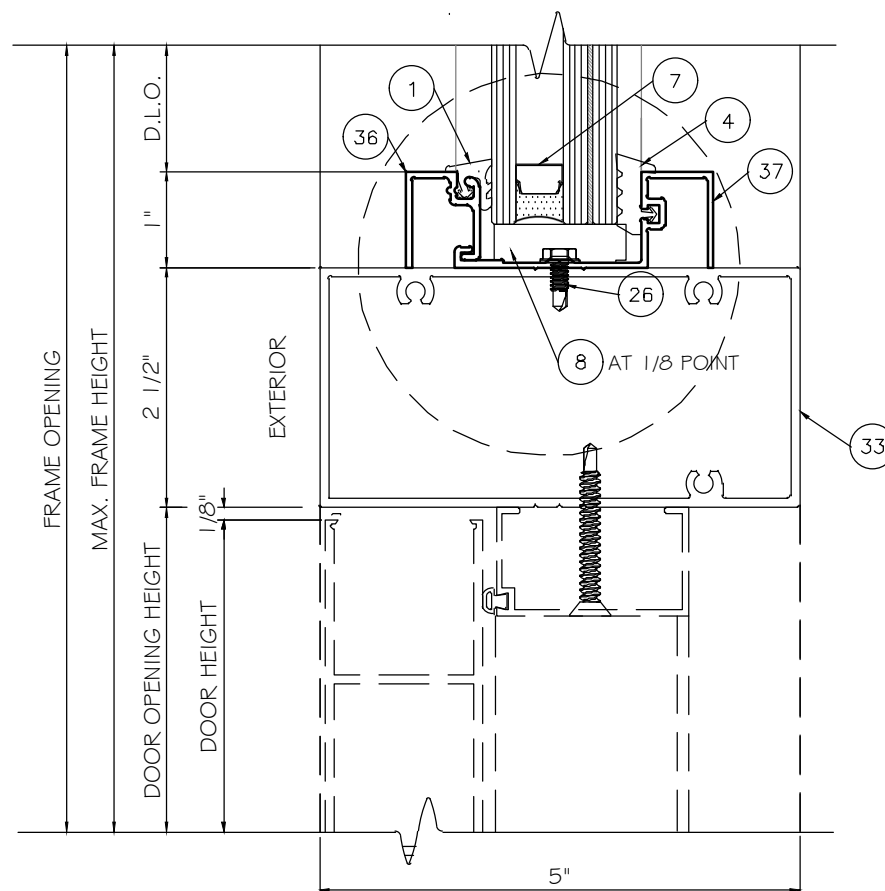
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DATE: 09.19.2022

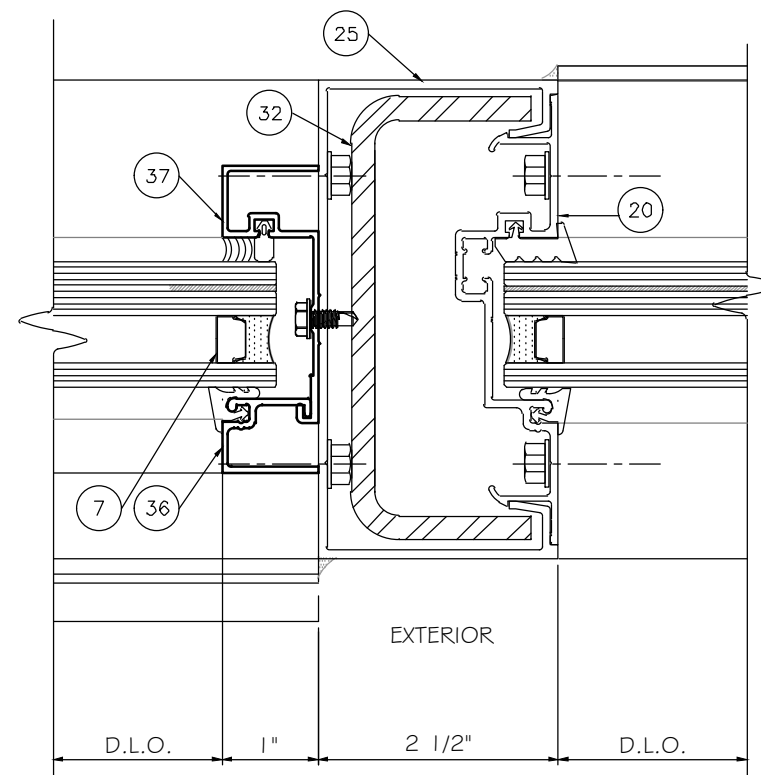
DWG: AD18-16

DRAWING No:

10 OF 15



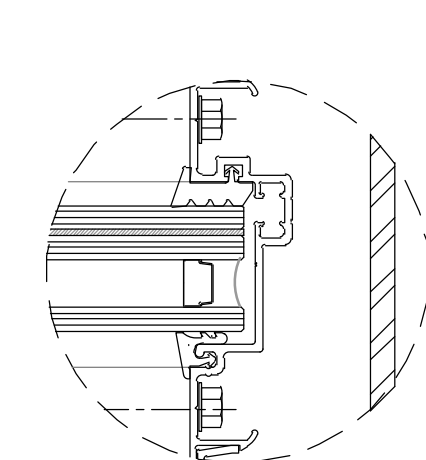
1 TRANSOM BAR FOR S.A.C.
10 SCALE: 1:2



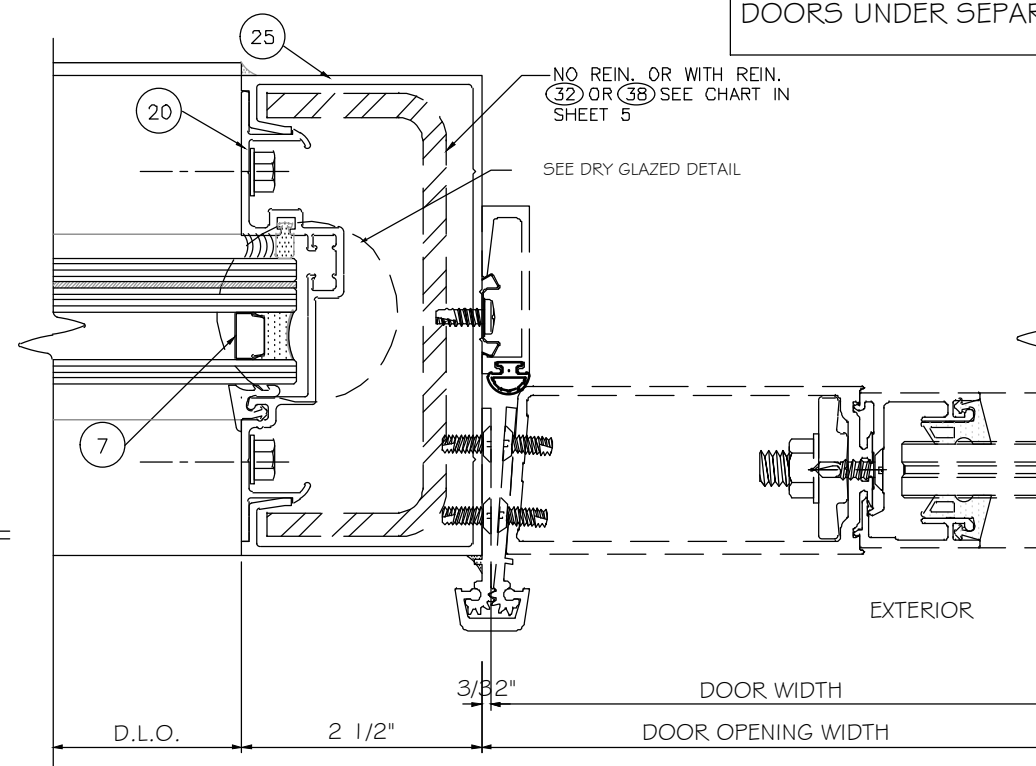
2 TRANSOM DOOR JAMB @ SIDELITE (OPTION)
10 SCALE: 1:2

NOTE:
REFER TO SHEET 6 OF 15
FOR DOOR JAMB OPTIONS

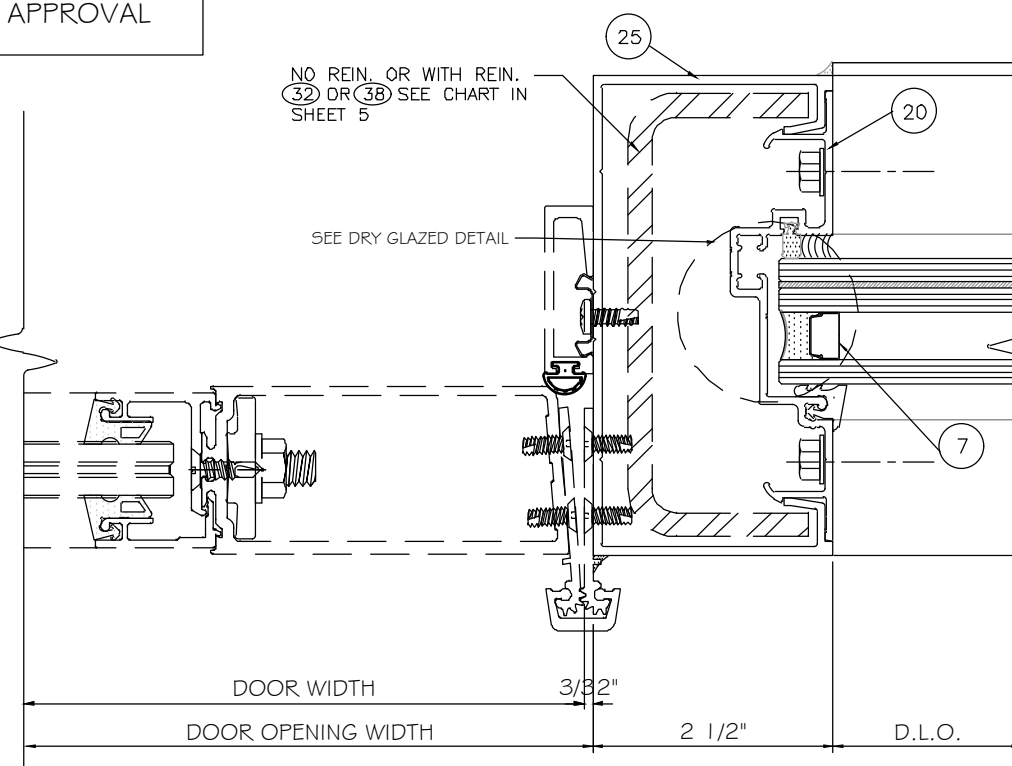
DOORS UNDER SEPARATE APPROVAL



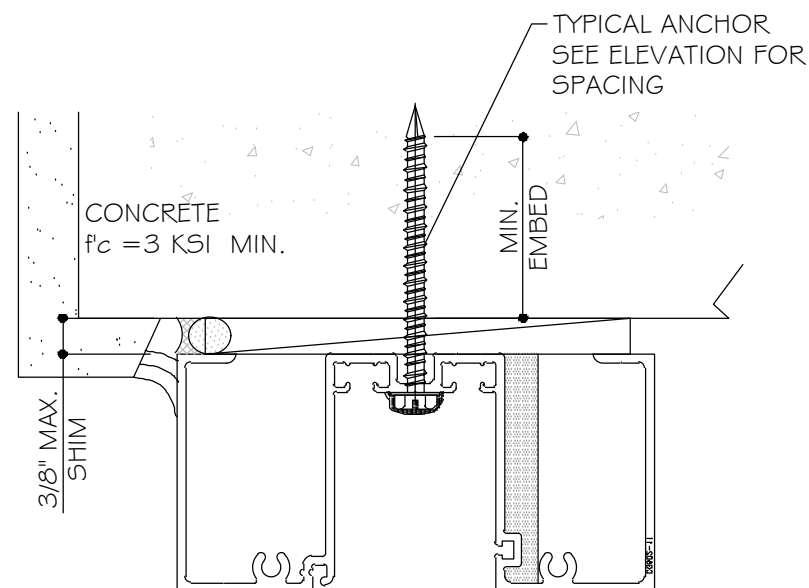
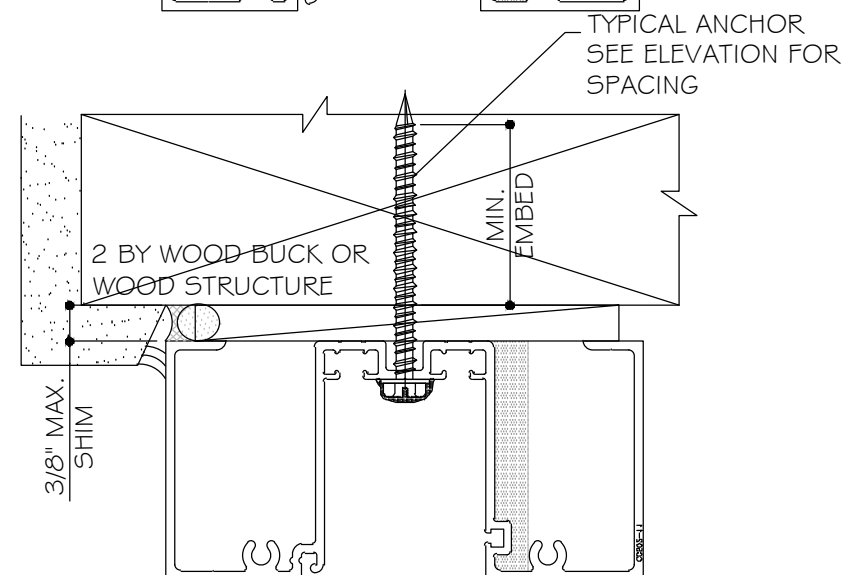
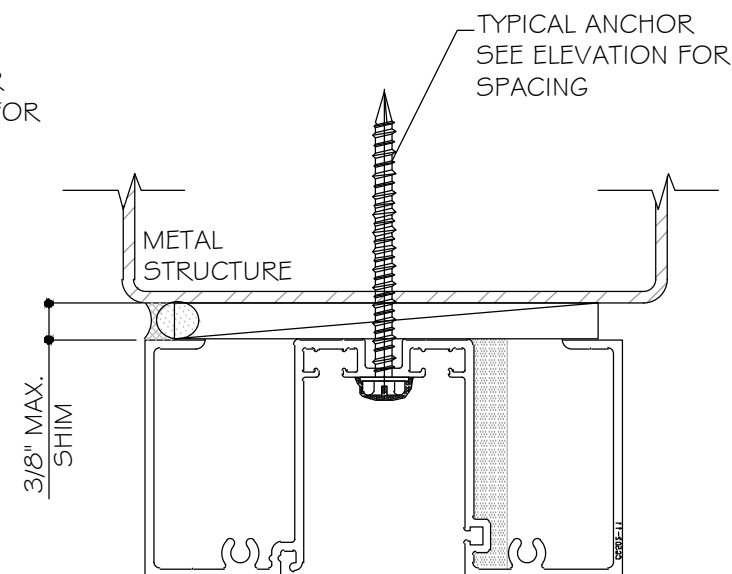
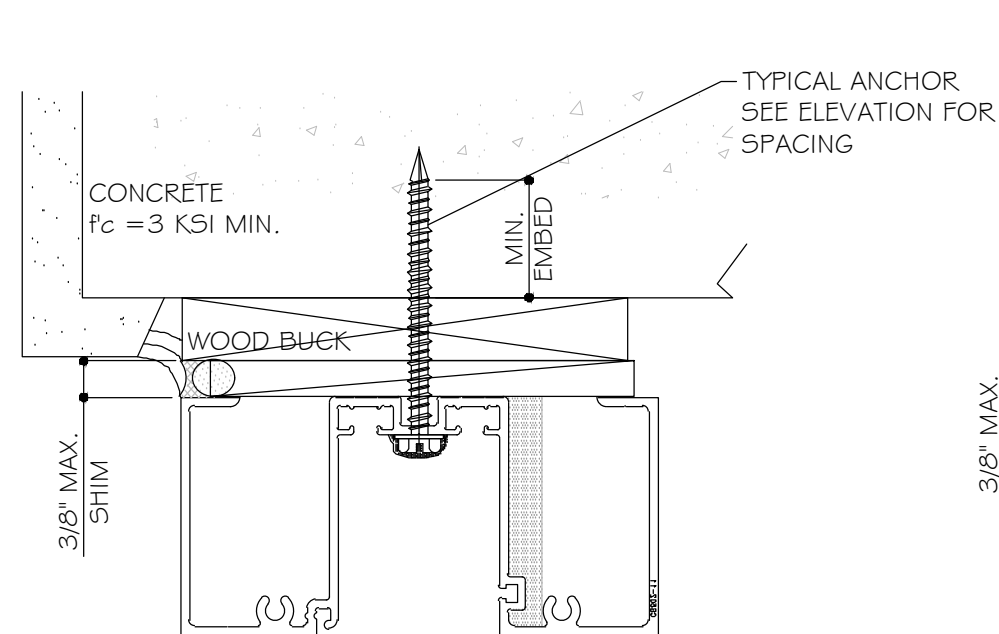
- DRY GLAZE DETAIL TYP.
10 SCALE: 1:2



3 DOOR JAMB @ SIDELITE
10 SCALE: 1:2



4 DOOR JAMB @ SIDELITE
10 SCALE: 1:2



ANCHOR TYPES:

TYPE "AA": 1/4" DIA. ITW TAPCON ($F_u = 120$ KSI, $F_y = 92$ KSI)
 1 1/2" MIN. EMBED INTO WOOD STRUCTURE OR
 1 3/4" MIN. EMBED THRU 1X OR 2X WOOD INTO CONCRETE OR MASONRY

TYPE "A": 1/4" DIA. ITW TAPCON ($F_u = 120$ KSI, $F_y = 92$ KSI)
 1 3/4" MIN. EMBED INTO $f'_c = 3$ KSI MIN. CONCRETE OR MASONRY

TYPE "BB": 1/4" DIA. ULTRACON+ BY (DEWALT) ($F_u = 164$ KSI, $F_y = 148$ KSI)
 1 1/2" MIN. EMBED INTO WOOD STRUCTURE OR
 1 3/4" MIN. EMBED THRU 1X OR 2X WOOD INTO CONCRETE OR MASONRY

TYPE "B": 1/4" DIA. ULTRACON+ BY (DEWALT) ($F_u = 164$ KSI, $F_y = 148$ KSI)
 1 3/4" MIN. EMBED INTO $f'_c = 3$ KSI MIN. CONCRETE OR MASONRY

TYPE "C": 1/4" TEKS ($F_u = 120$ KSI, $F_y = 92$ KSI)
 INTO 1/8" MIN. THK. METAL STRUCTURE

MIN. EDGE DISTANCE:
 INTO CONCRETE OR MASONRY: 2 1/2"
 INTO WOOD STRUCTURE: 1"
 INTO METAL STRUCTURE: 3/4"

CONCRETE: $f'_c = 3$ KSI MIN.
 WOOD: SG=0.55 MIN
 METAL: 6063-T5 MIN. OR STEEL A36 MIN.
 MASONRY: C-90 HOLLOW/FILLED
 BLOCK $f_m' = 2000$ PSI MIN. (JAMB ONLY)

PRODUCT:

RESISTOR CG502 STOREFRONT SYSTEM

L.M.I. & S.M.I.
 (WET/DRY GLAZED)

Resistor
 PRODUCT SERIES

REVN	DATE/REMARKS
REV.3	UPDATE DOOR JAMB ADD SPACER

ENGINEER:



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PRODUCT:

**RESISTOR CG502
STOREFRONT
SYSTEM**

L.M.I. & S.M.I.
(WET/DRY GLAZED)

Resistor
PRODUCT SERIES

REVN	DATE/REMARKS
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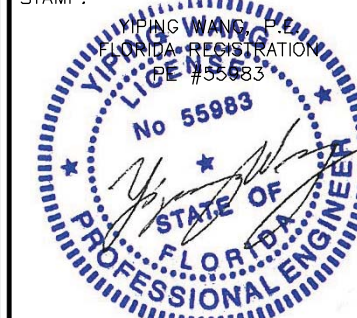
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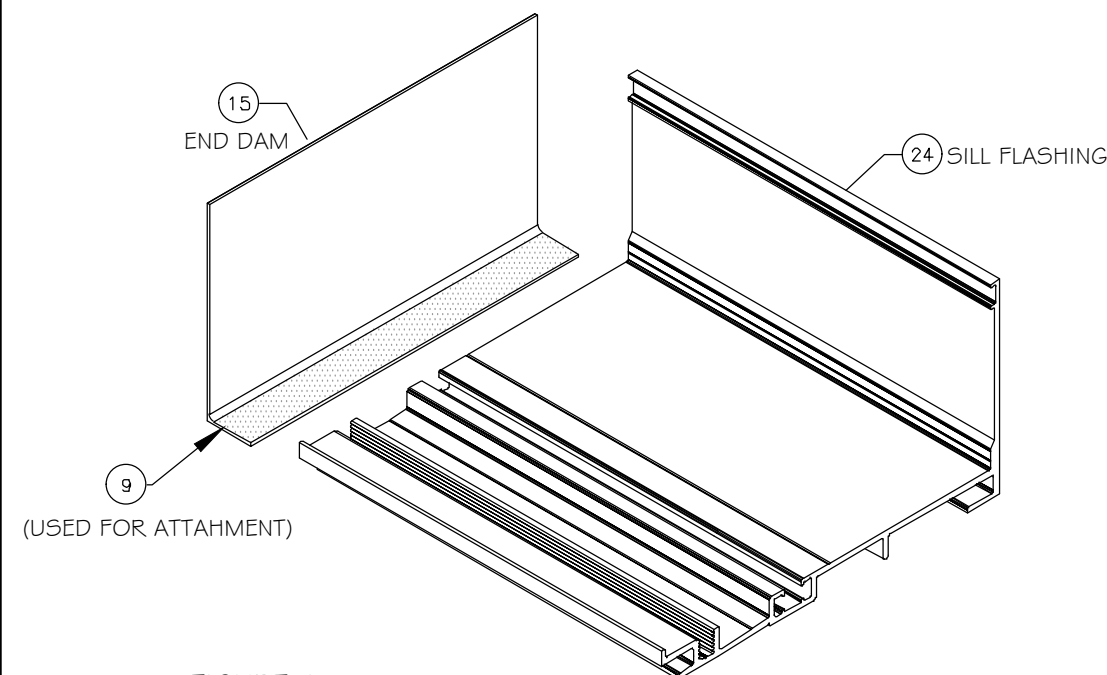


FIGURE-1
SCALE: 6" = 1'-0"

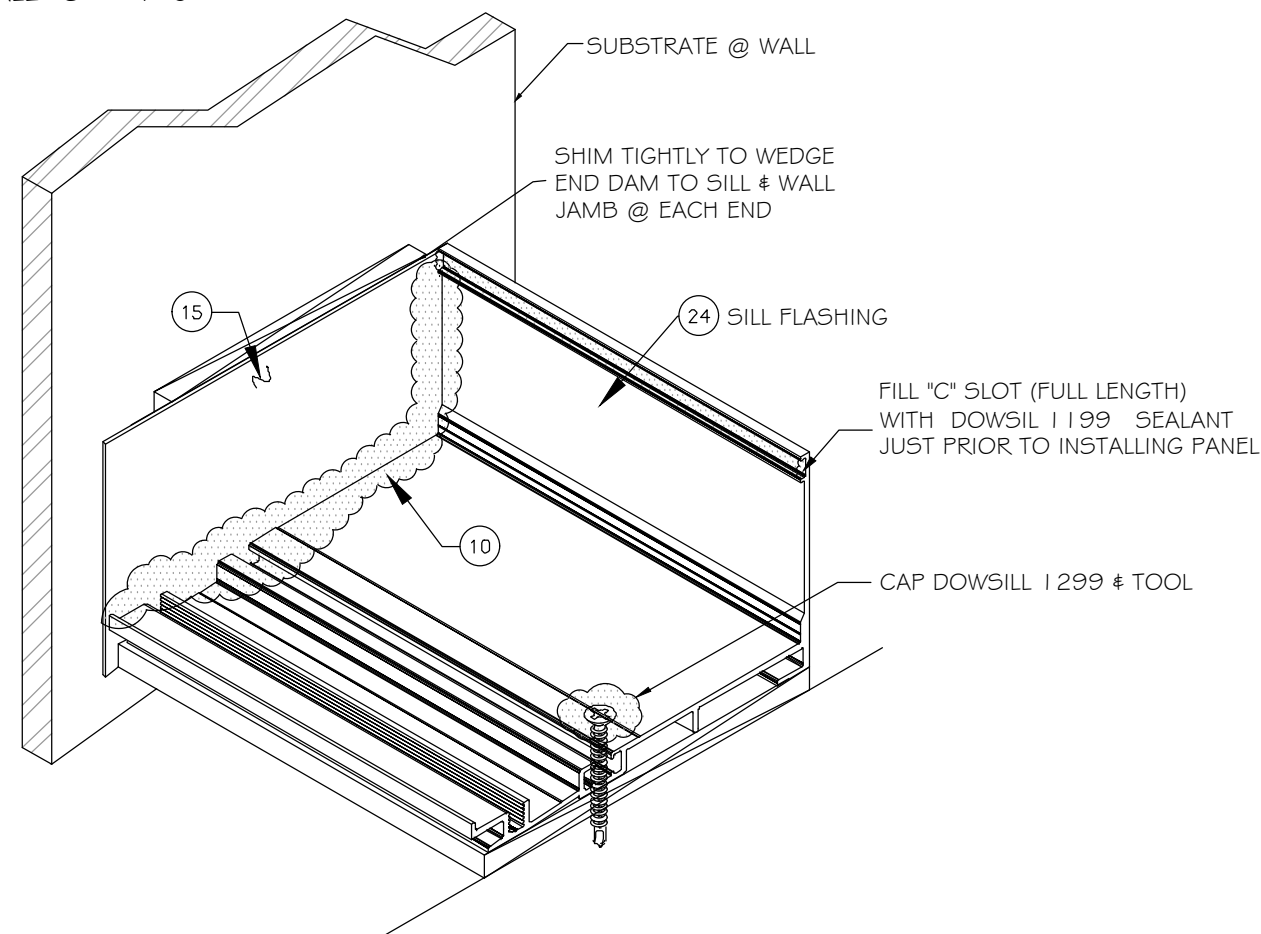


FIGURE-2
SCALE: 6" = 1'-0"

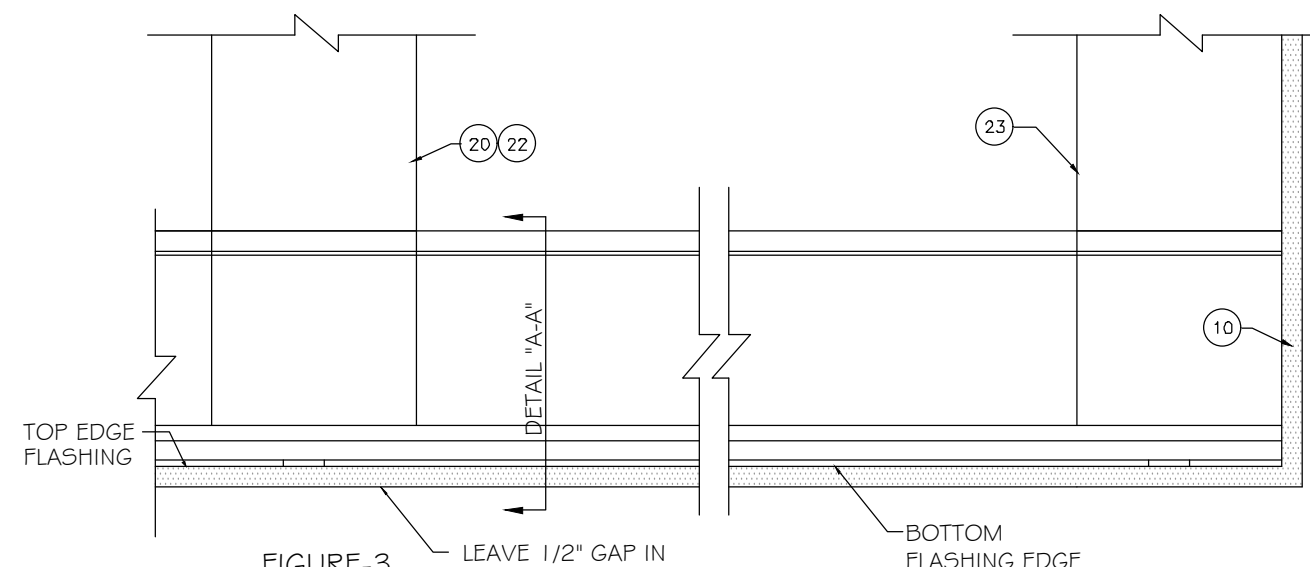
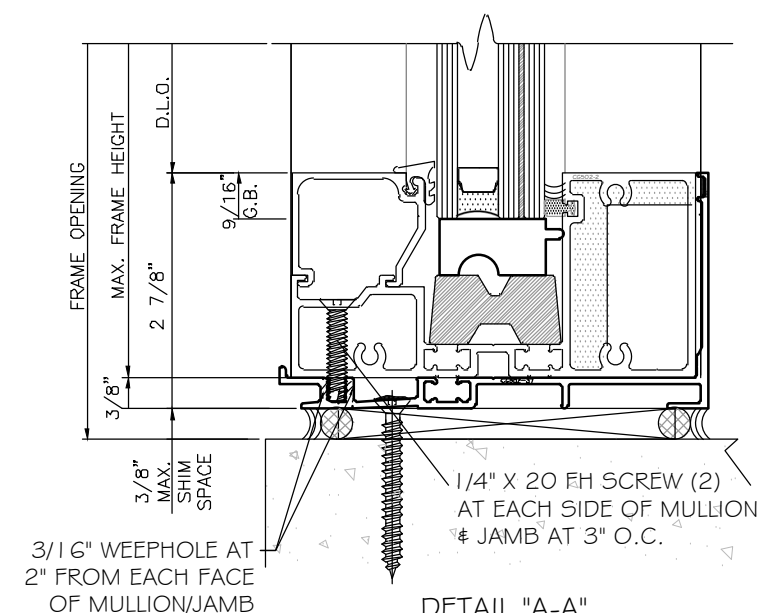


FIGURE-3
SCALE: 6" = 1'-0"
LEAVE 1/2" GAP IN
SILL FLASHING SEALANT
@ CENTER OF MULLIONS
FOR WEEPAGE BETWEEN TOP
EDGE OF FLASHING & MULLION
REF. DETAIL "A-A" BELOW



DETAIL "A-A"

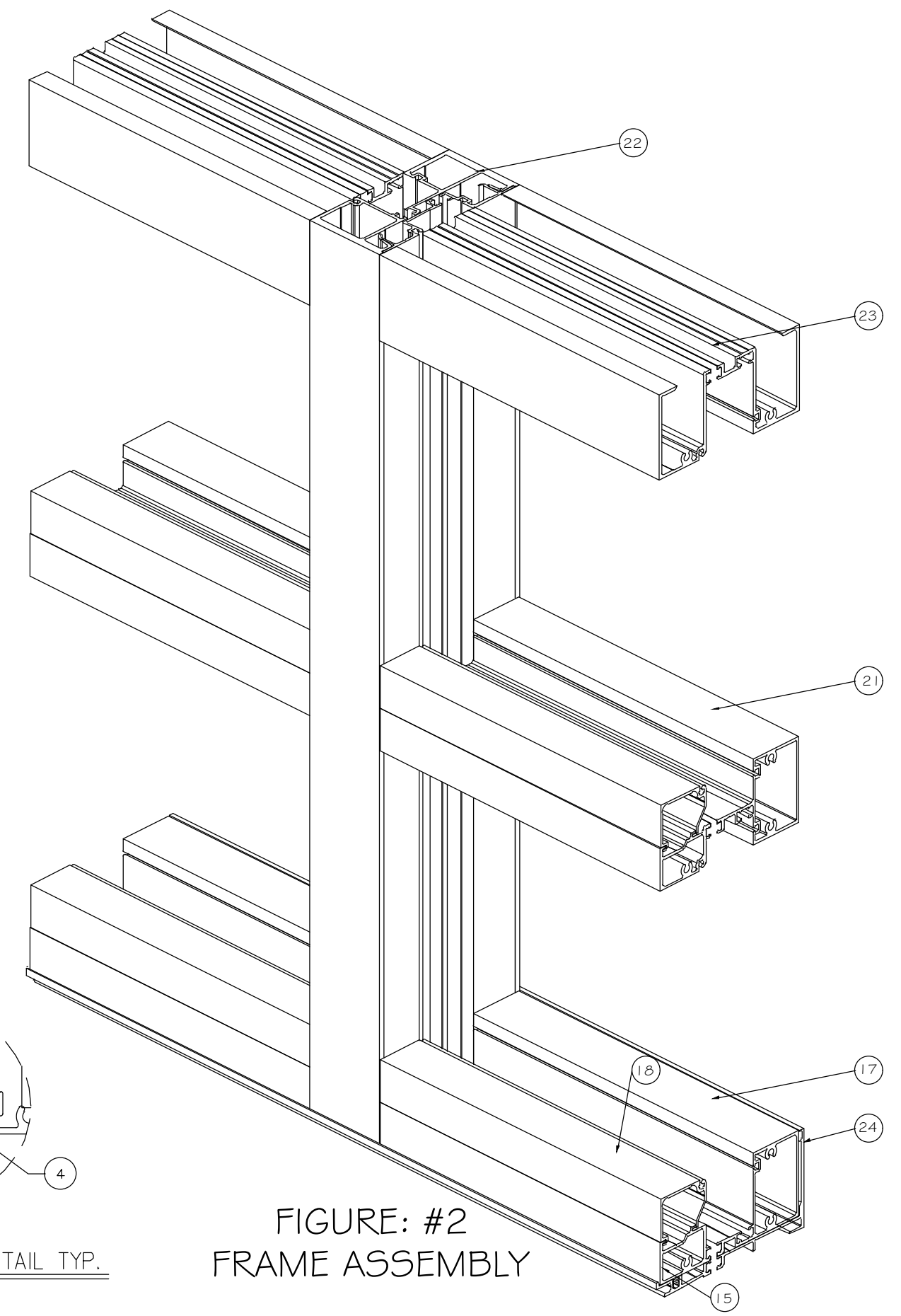
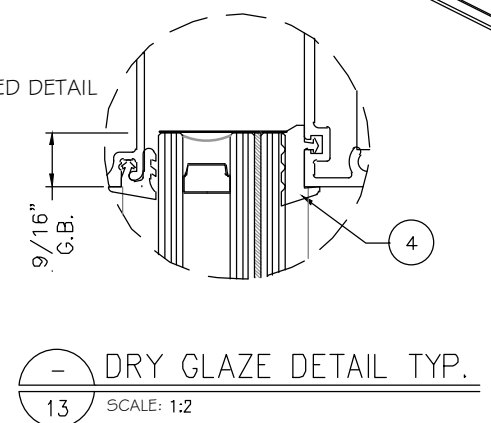
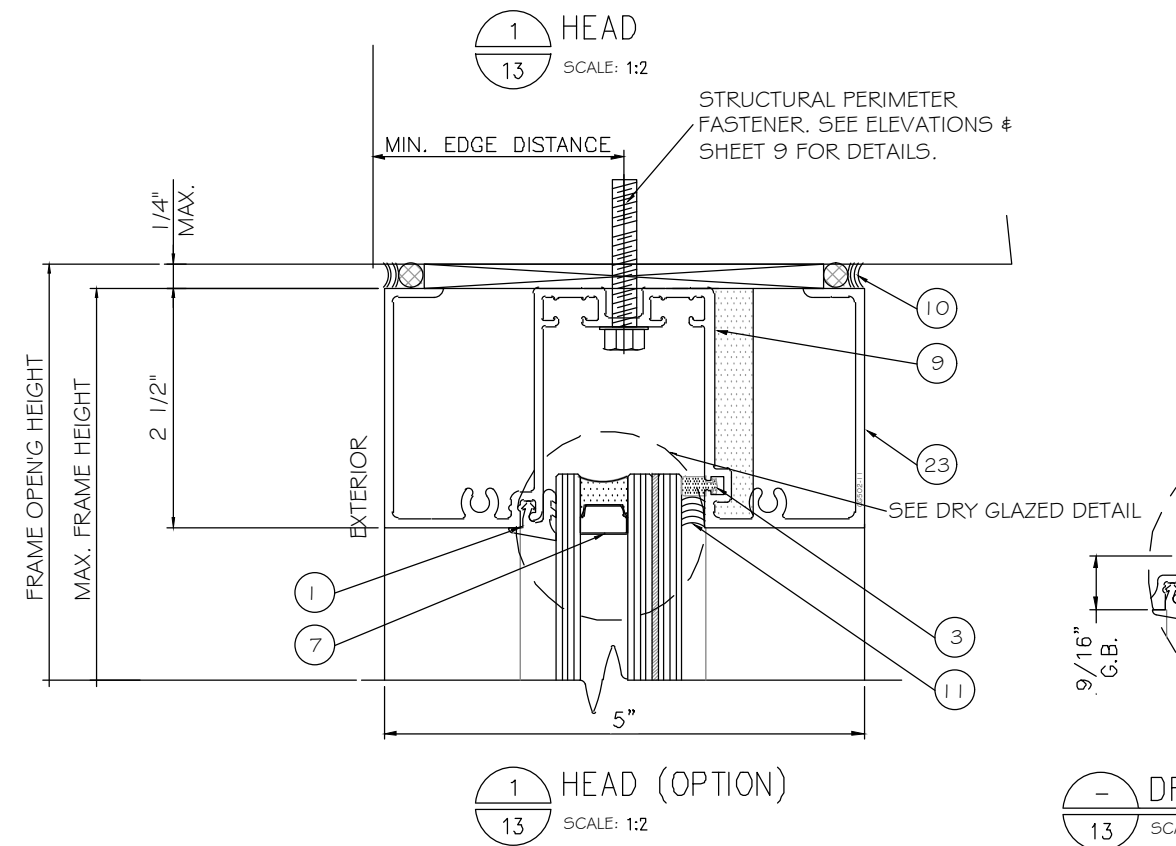
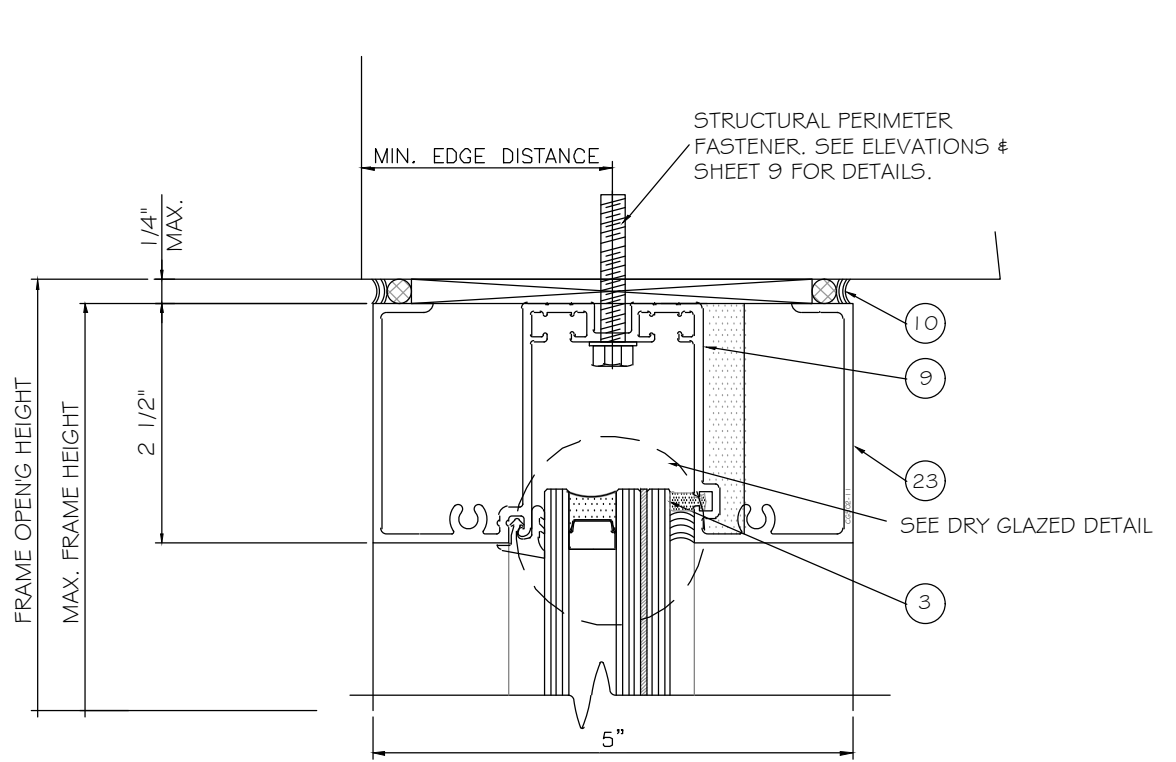


FIGURE: #2
FRAME ASSEMBLY

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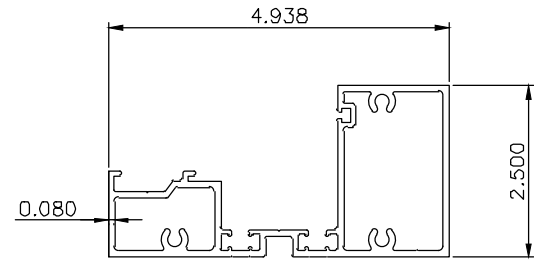
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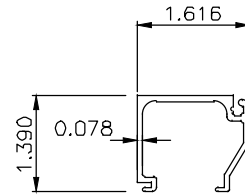
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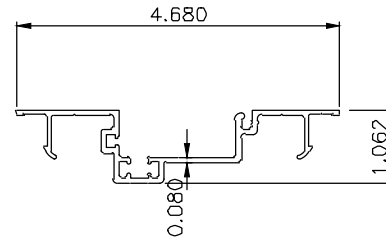
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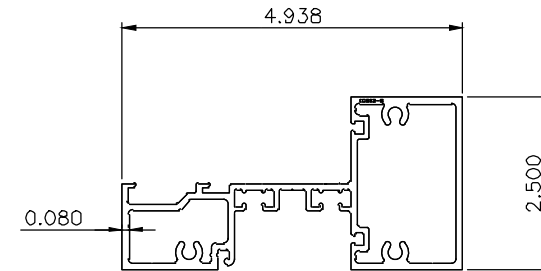
17 SILL/HEAD



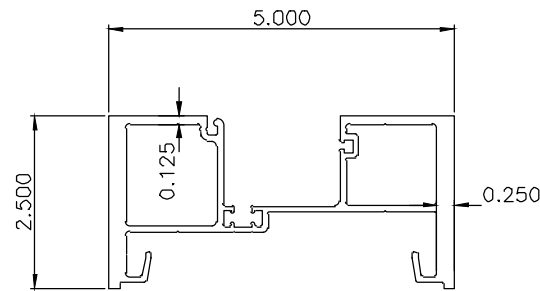
18 GLASS STOP



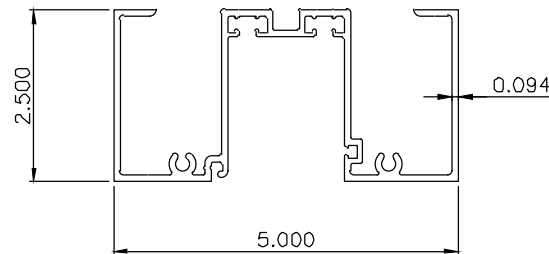
20 OPEN BACK MULLION FILLER



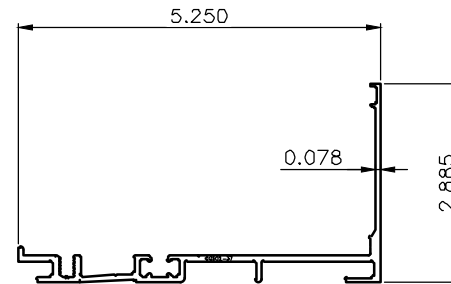
21 INTERMEDIATE HOR.



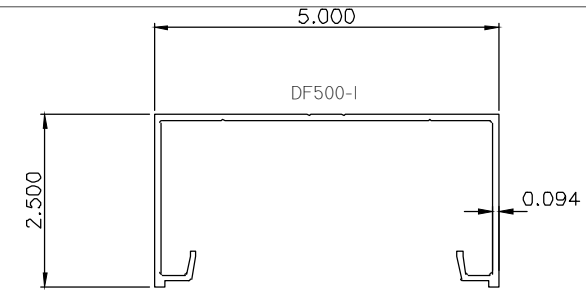
22 HVY VERT. MULLION



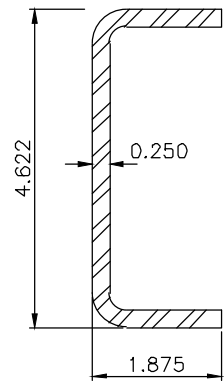
23 HEAD OR WALL JAMB



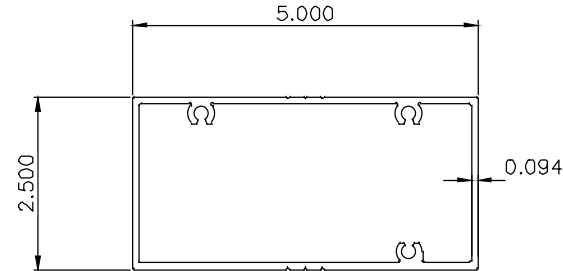
24 SUBSILL FLASHING



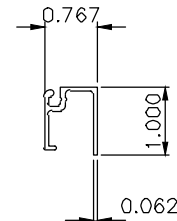
25 HINGE JAMB



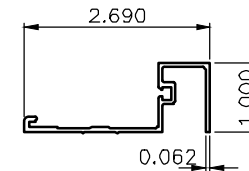
32 ST500-I
STL. REIN.



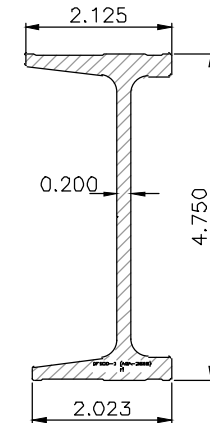
33 TRANSOM BAR



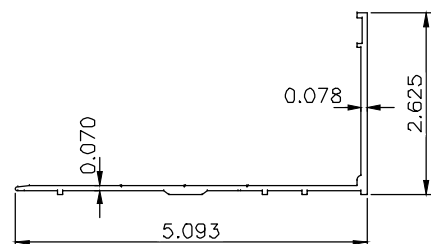
36 GLASS STOP



37 TRANSOM SASH
(1-5/16" GLASS)



38 DF500-O3/ AGA-2666
ALUM. REIN.



16 SUBSILL FLASHING

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PRODUCT:

**RESISTOR CG502
STOREFRONT
SYSTEM**

L.M.I. & S.M.I.
(WET/DRY GLAZED)

Resistor
PRODUCT SERIES

REVN	DATE/REMARKS
REV.3	UPDATE DOOR JAMB ADD SPACER

ENGINEER:



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October. 13rd, 2022

FLORIDA APPROVAL NUMBER:

FL# 26962

DRAWN: James

DATE: 09.19.2022

DWG: AD18-16

DRAWING No:

14 OF 15

BILL OF MATERIAL					
ITEM NO.	PART #	DESCRIPTION	MATERIAL	MANUFACTURER	NOTES
1	RG-2	EXTERIOR GLAZING GASKET	EPDM,DURO 65 +/-5, SHORE A	TRULITE	
2	23216.0000	1/4"-20x114" UC PFH-23	STAINLESS STEEL	ALLOY FASTENER	
3	RG-8	INTEROR 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 @ TRANSOM	EPDM, DURO 85 +/-5, SHORE A	TRULITE	2/LITE
7		ALUMINUM SPACER	ALUMINUM	HELIMA HELVETION INT./ VARIES	
8	RSB-18	SETTING BLOCK @ TRANSOM	EPDM, DURO 85 +/-5, SHORE A	TRULITE	
9	GT-1	JOINT SEALANT TAPE	BUTYL	VARIES	
10	DOWSIL790	SILICONE - PERIMETER SEALANT	SILICONE	DOW CORNING	AT PERIMETER
11	DOWSIL995	SILICONE - GLASS TO METAL	SILICONE	DOW CORNING	GLASS TO METAL
12	WD451	WATER DEFLECTOR	ABS PLASTIC	UNITED PLASTIC	AT EACH END INTERMEDIATE HORIZONTAL
13	DOWSIL 1119	SILICONE	SILICONE	DOW CORNING	OR EQUAL
14	RSC502	SETTING CHAIR	EPDM, DURO 85 +/-5, SHORE A	TRULITE	2/ LITE AT SILL
15	ED500	END DAM	ABS PLASTIC	UNITED PLASTIC	
16	CG500-12	SUBSILL FLASHING	6063-T6 ALUMINUM	TRULITE	
17	CG502-2	SILL OR HEAD	6063-T6 ALUMINUM	TRULITE	
18	CG501-3	GLASS STOP	6063-T6 ALUMINUM	TRULITE	
19	-	KODISPACE 4SG WARM EDGE SPACER	THERMOPLASTIC	HB/ FULLER/ KOMMERLING	
20	CG502-5	OPEN BACK MULLION FILLER	6063-T6 ALUMINUM	TRULITE	
21	CG502-6	INTERMEDIATE HORIZONTAL	6063-T6 ALUMINUM	TRULITE	
22	CG502-7	HEAVY VERTICAL MULLION	6063-T6 ALUMINUM	TRULITE	
23	CG502-11	HEAD OR WALL JAMB	6063-T6 ALUMINUM	TRULITE	
24	CG502-37	SUBSILL FLASHING	6063-T6 ALUMINUM	TRULITE	
25	DF501-1	HNGE JAMB	6063-T6 ALUMINUM	TRULITE	
26	FAS10-1	FASTENER #10-16x 1/2"HWH #2 SD AT12" O.C.	ZINC COATED STEEL	ALLOY FASTENER	
27	FAS14-2	FASTENER #14 x 1HWH-F	ZINC COATED STEEL	ALLOY FASTENER	TYPICAL SPLONE SCREW
28	RG-23	INTERIOR GASKET - DRY GLAZED	EPDM, DURO 65 +/-5, SHORE A	TREMCO/GRP	
32	ST500-1	STEEL REINFORCEMENT	ZINC COATED STEEL	VARIES	
33	DF500-2	TRANSOM MULLION	6063-T6 ALUMINUM	TRULITE	
36	DF107	9/16" IMPACT GL STOP	6063-T6 ALUMINUM	TRULITE	
37	DF117	TRANSOM SASH (1-5/16" GLASS)	6063-T6 ALUMINUM	TRULITE	
38	DF500-03/AGA-2666	ALUM. REINFORCEMENT	6063-T6 ALUMINUM	TRULITE	
39	-	2" X 2" X 1/8" PLASTIC SHIM	PLASTIC	VARIES	
40	FASTENER	#12 X 1 1/2" FHP SMS	STEEL	VARIES	



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**RESISTOR CG502
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(WET/DRY GLAZED)



REVN	DATE/REMARKS
REV.3	UPDATE DOOR JAMB ADD SPACER

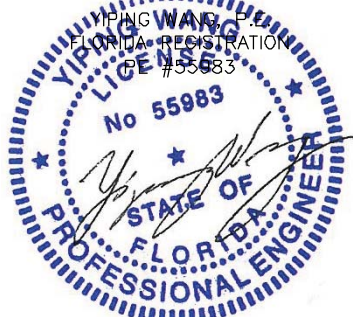
ENGINEER:



MCY ENGINEERING, INC.
GLAZING CONSULTANT

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MIRAMAR, FL. 33027
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www.MCYEngineering.com

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October. 13rd, 2022

FLORIDA APPROVAL NUMBER:

FL# 26962

DRAWN: James	DRAWING No:
DATE: 09.19.2022	15 OF 15
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