



GENERAL NOTES:

TCR 225 WINDOW WALL SYSTEM IS NON IMPACT SYSTEM TO BE USED OUTSIDE OF HVHZ. (NON HVHZ)

- CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.
- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 8TH EDITION (2023)/9TH EDITION (2026) EXCLUDING HIGH VELOCITY HURRICANE ZONE (NON-HVHZ).
- ULTIMATE 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 THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.
- WOOD BUCKS OR STRUCTURES 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 8TH EDITION (2023)/9TH EDITION (2026) SECTION AS APPLICABLE.
- 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.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING. COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711.
 - FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).
 - CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).

USE CHARTS AS FOLLOWS.

STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BUILDING HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-22 STANDARD.

STEP 2: SEE CHART 1 ON SHEET G1 FOR GLASS OPTIONS AND MAX. D.L.O. AREA AND CAPACITY ALLOWED.

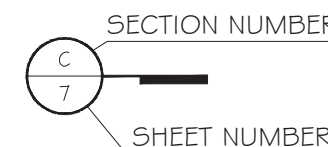
STEP 3: SEE TYPICAL ELEVATION ON SHEET E1 & E2, CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHART 2 ON SHEET M1. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD REQUIRED FOR JOB. FOR SSG MULLION TYPE 'M3', CHECK STRUCTURAL SILICONE CAPACITY BASED ON CHART 1.1 ON SHEET G1, THE RESULT FROM CHART 2 & CHART 1.1 GOVERNS MULLION CAPACITY.

STEP 4: USE CHARTS ON SHEET A1 TO A4, SELECT ANCHOR OPTION WITH DESIGN LOAD CAPACITY MORE THAN DESIGN LOAD SPECIFIED IN STEP 1.

STEP 5: THE LOWEST VALUE RESULTING FROM STEPS 2, 3 & 4 THAT EXCEED THE DESIGN WIND PRESSURE DETERMINED THRU STEP 1 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
G.B. - GLASS BITE

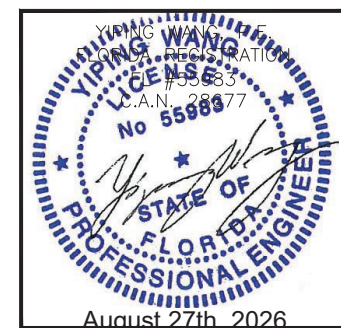


LIMITATIONS OF USE

- 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 HESHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
- C- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- D- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D.
- E- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

FLORIDA APPROVAL:

FL39097.1



MCY ENGINEERING, INC.

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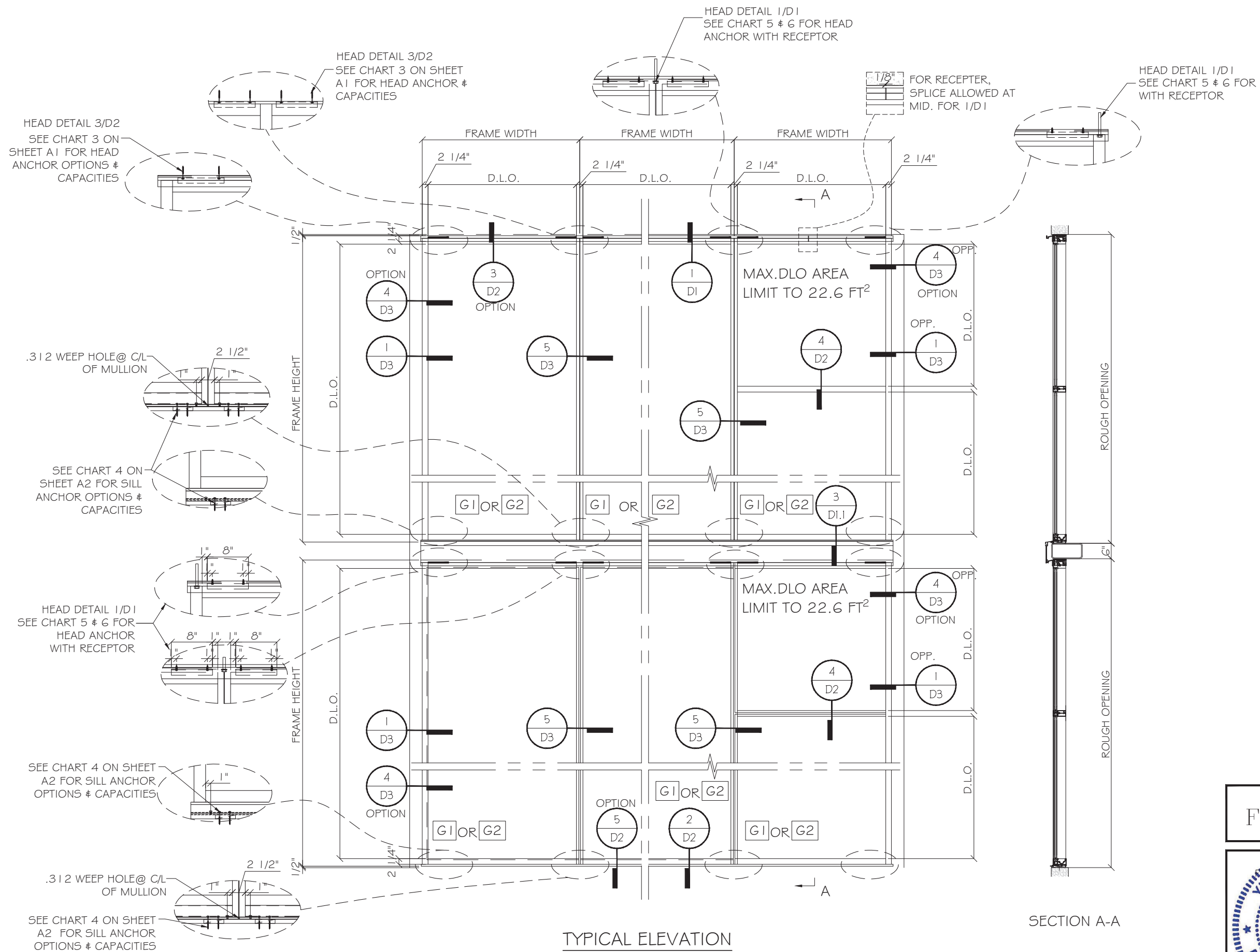
TCR 225 PRE-GLAZED & FIELD GALZED WINDOW WALL-N.I

OLDCASTLE BUILDINGENVELOPE

803 AIRPORT RD - TERRELL, TX 75160

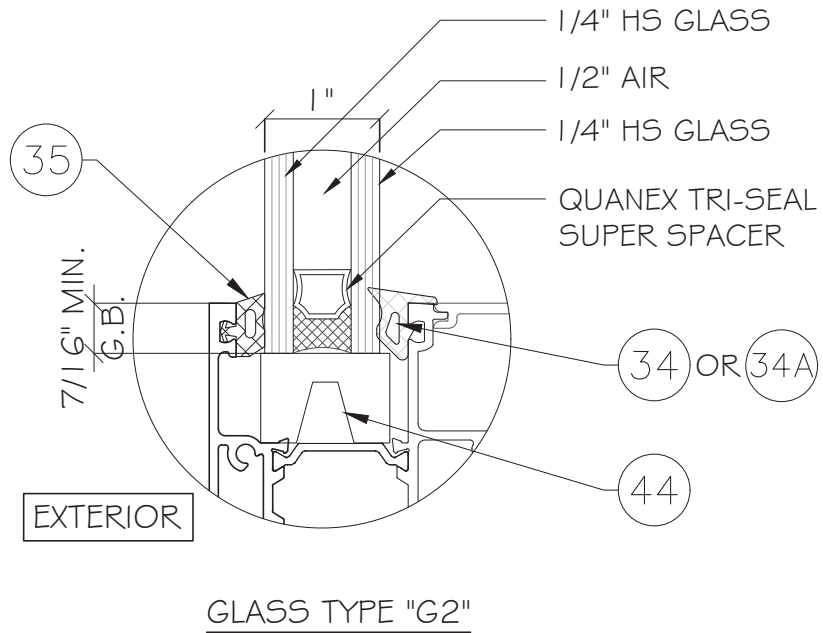
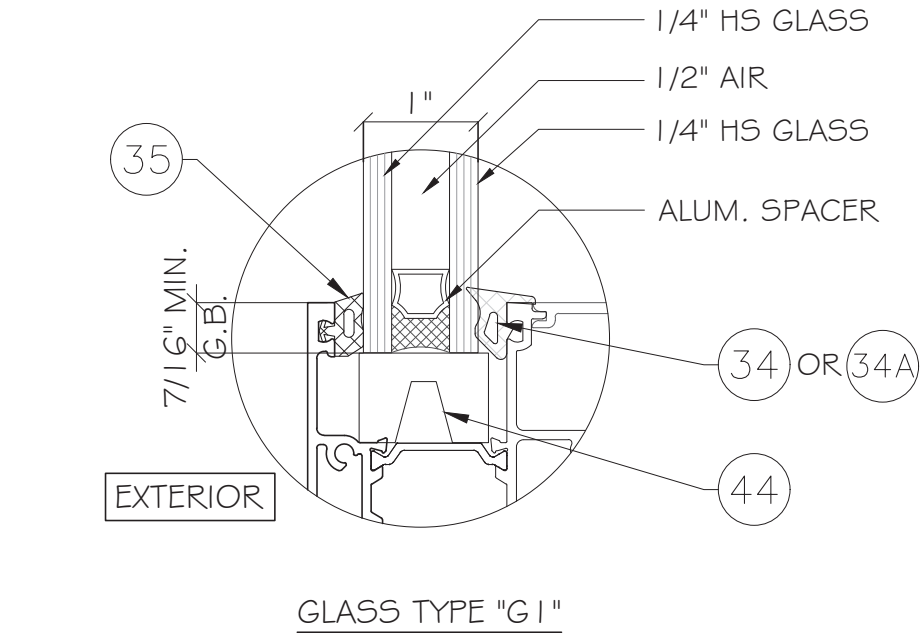
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TYPICAL ELEVATION
FIELD GLAZED CAPTURED SYSTEM WITH SLAB COVER

CHART 1 - GLASS CAPACITY - PSF			
NOMINAL DIMENSIONS		GLASS TYPE "G1" & "G2"	
DLO WIDTH	DLO HEIGHT	EXT(+)	INT (-)
W (IN)	H (IN)	PSF	PSF
33 3/4	103	80	80
39 3/4		80	80
45 3/4		80	80
51 3/4		80	80
57 3/4		80	80
33 3/4	109	80	80
39 3/4		80	80
45 3/4		80	80
51 3/4		80	80
57 3/4		80	80
33 3/4	115	80	80
39 3/4		80	80
45 3/4		80	80
51 3/4		80	80
57 3/4		80	80
33 3/4	121	80	80
39 3/4		80	80
45 3/4		79.7	79.7
51 3/4		77.2	77.2
57 3/4		74.9	74.9
33 3/4	127	80	80
39 3/4		80	80
45 3/4		74.9	74.9
51 3/4		72.3	72.3
57 3/4		70.0	70.0
33 3/4	133	80	80
39 3/4		80	80
45 3/4		72.5	72.5
51 3/4		70.0	70.0
57 3/4		67.5	67.5
33 3/4	139	80	80
39 3/4		80	80
45 3/4		70	70



NOTE:
GLASS COMPLIES WITH ASTM E1300-16
OR 24 (3 SEC. GUSTS).

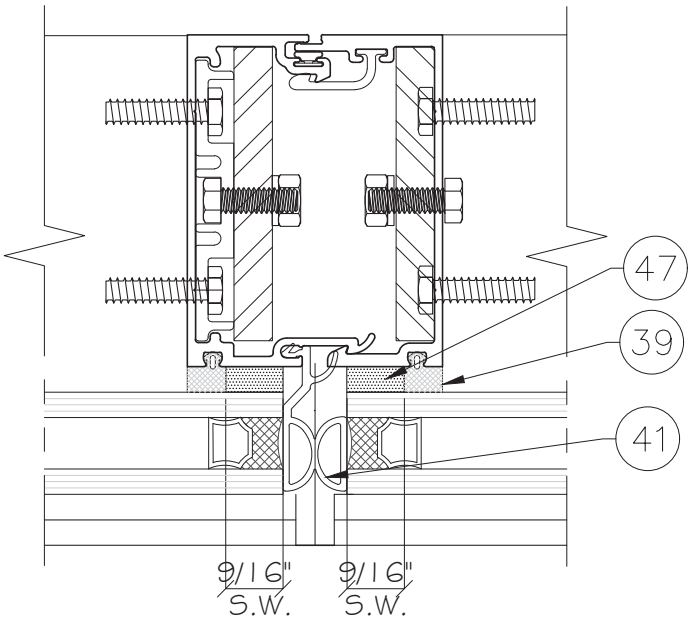
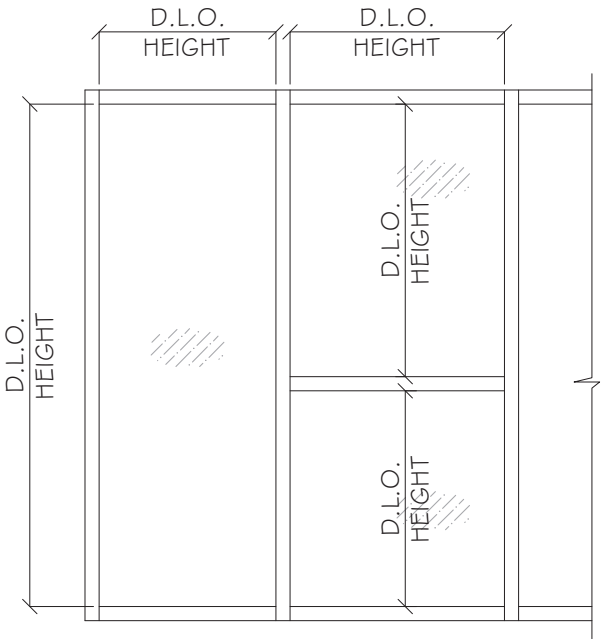
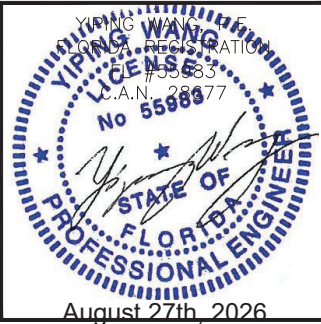


CHART 1.1 - SILICONE CAPACITY		
MULLION C-C DIM.	SILICONE WIDTH	CAPACITY
IN	IN	PSF
36	9/16	90.0
42	9/16	77.1
48	9/16	67.5
54	9/16	60.0
60	9/16	54.0

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TEL.: 972-551-6100

Rev. No.	Date	Drawn By	Description
R3	08.24.2026	James	UPDATE FBC 2026
R2	06.16.2023	James	UPDATE FBC 2023

Drawn Date

08.24.2026

Scale

DRAWING NO.

AD21-14

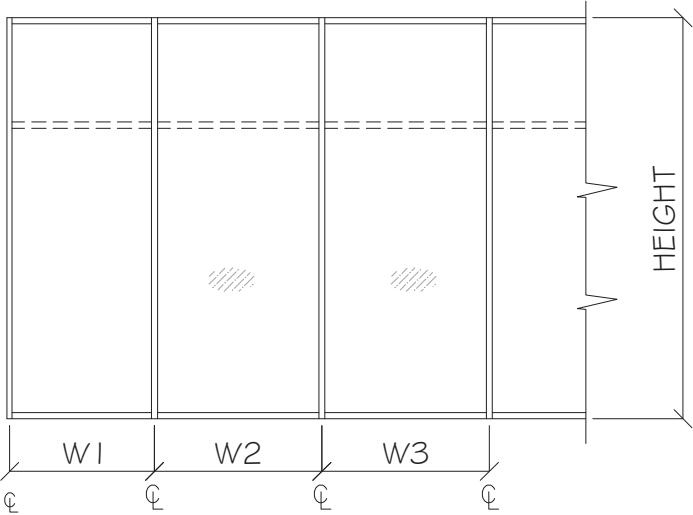
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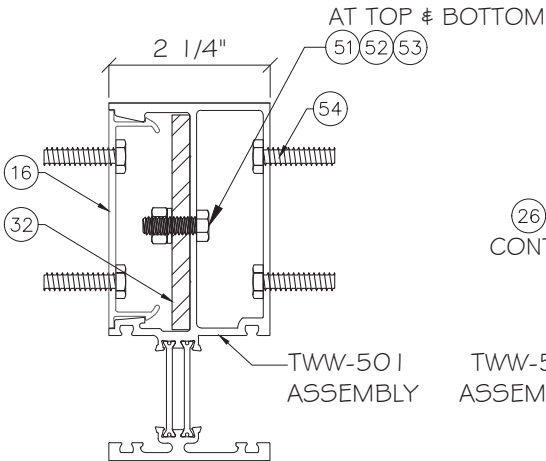
CHART 2- WINDOW WALL MULLION CAPACITY - PSF		
NOMINAL DIMENSIONS		WITH OR W/O HORIZONTAL
		M1, M2, M3, J1
WIDTH	HEIGHT	EXT(+) INT (-)
W (IN)	H (IN)	PSF
36	84	80
42		80
48		71
54		63
60		57
36	90	80
42		76
48		67
54		59
60		53
36	96	80
42		71
48		63
54		56
60		50
36	102	78
42		67
48		59
54		52
60		47
36	108	74
42		63
48		56
54		49
60		44
36	114	70
42		60
48		53
54		47
60		42
36	120	67
42		57
48		50
54		44
60		40
36	126	60
42		52
48		45
54		40

CHART 2- WINDOW WALL MULLION CAPACITY - PSF		
NOMINAL DIMENSIONS		WITH OR W/O HORIZONTAL
		M1, M2, M3, J1
WIDTH	HEIGHT	EXT(+) INT (-)
W (IN)	H (IN)	PSF
36	132	52
42		45
48		39
54		35
36	138	46
42		39
48		34
36	144	40
42		35
48		30



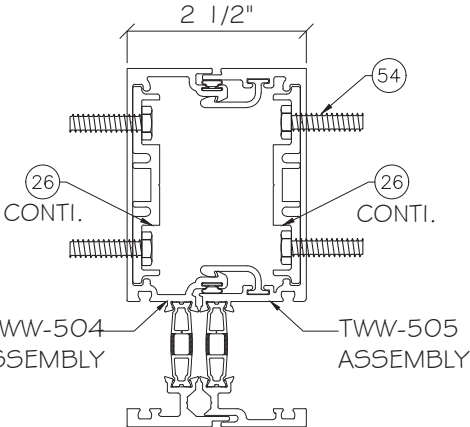
WIDTH (W) = $\frac{W1 + W2}{2}$ OR $\frac{W2 + W3}{2}$ (FOR MULLION)

WIDTH (W) = W1 (FOR JAMB - J1)



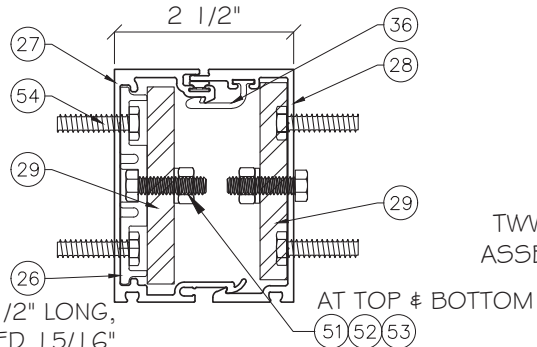
M1

	Ix IN^4	Sx IN^3
TWW-501	5.6507	2.2434
(32)	0.5625	0.375
I _{ALUM} + I _{STL} * 2.9	7.2820	(IN ALUM.)



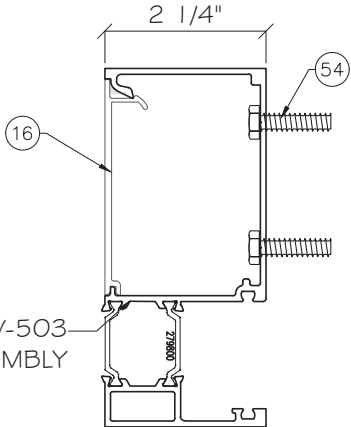
M2

	Ix IN^4	Sx IN^3
TWW-504/505	6.6782	2.5819
(2) (26)	0.5936	0.4317
TOTAL	7.2718	2.8114



M3

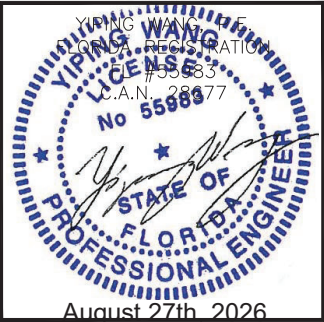
	Ix IN^4	Sx IN^3
TWW-129/130	2.2353	1.2842
(2) (29)	1.4852	1.0802
I _{ALUM} + I _{STL} * 2.9	6.5425	(IN ALUM.)



J1

	Ix IN^4	Sx IN^3
TWW - 503 + (16)	4.2910	1.5420

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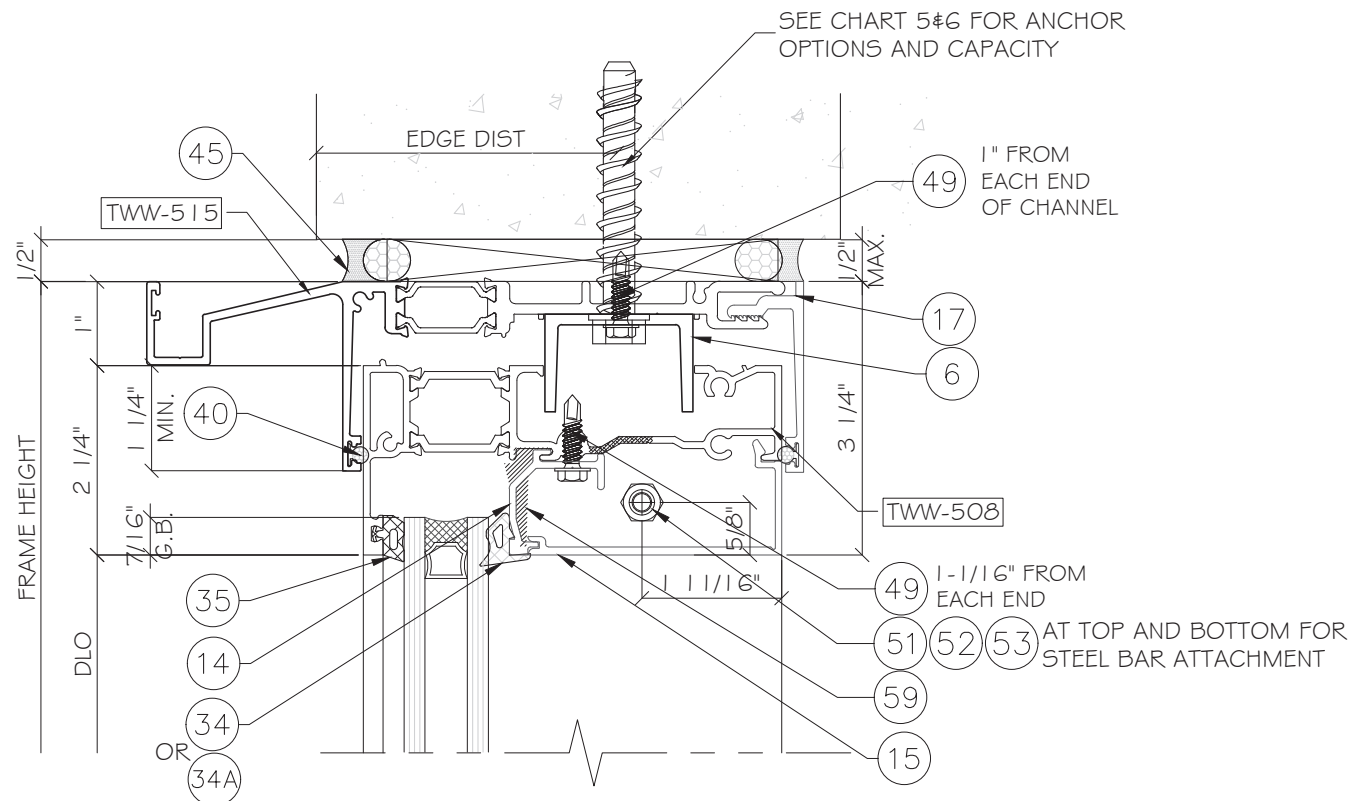
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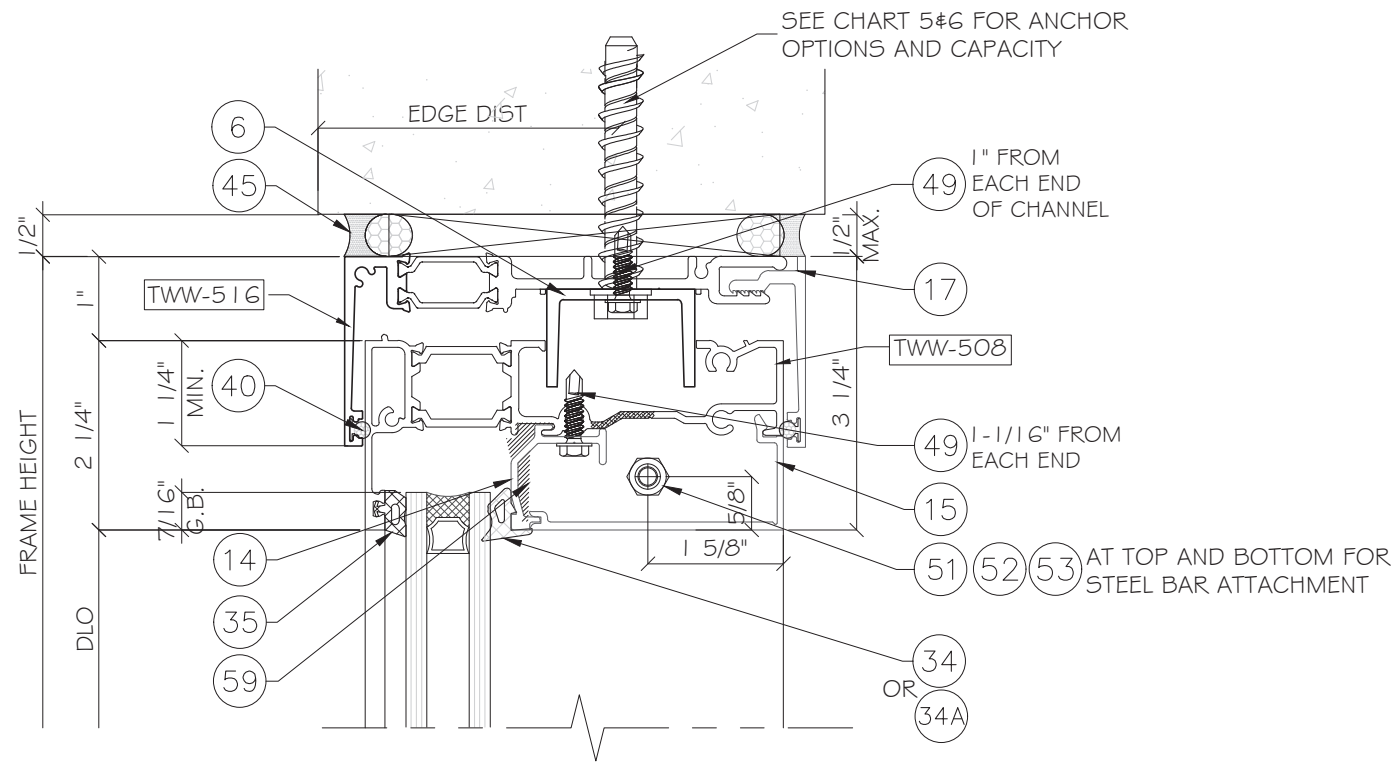
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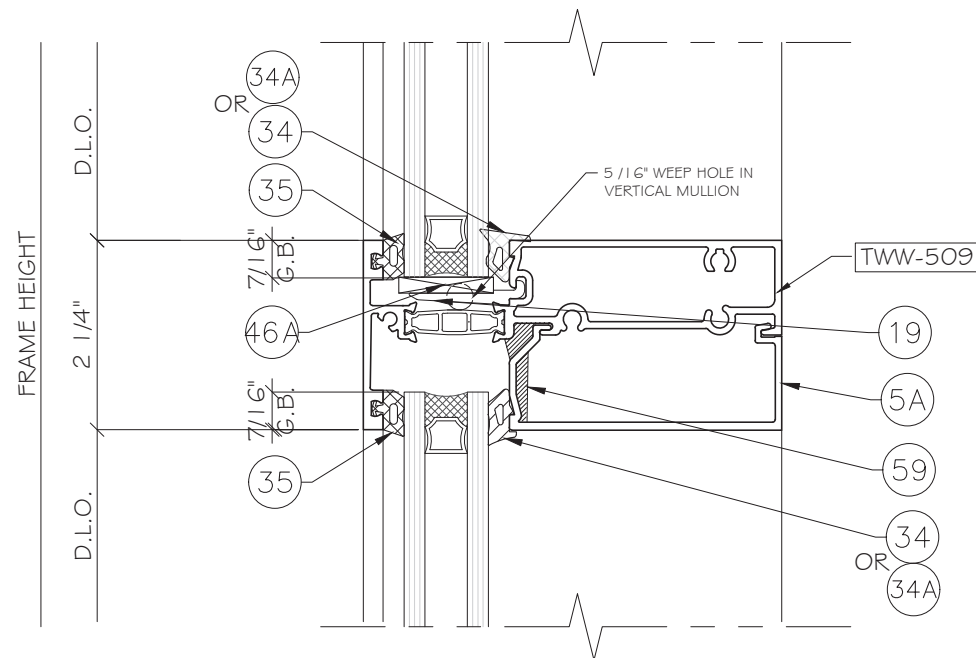
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R3	08.24.2026	James	UPDATE FBC 2026
R2	06.16.2023	James	UPDATE FBC 2023
Drawing No. AD21-14			
Sheet No. 5 OF 19			



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YIPING WANG

REGISTERED PROFESSIONAL ENGINEER

FLORIDA

No 55983

August 27th, 2026

TCR 225 PRE-GLAZED & FIELD GALZED WINDOW WALL-N.I

OLDCASTLE BUILDING ENVELOPE™

803 AIRPORT RD - TERRELL, TX 75160

TEL.: 972-551-6100

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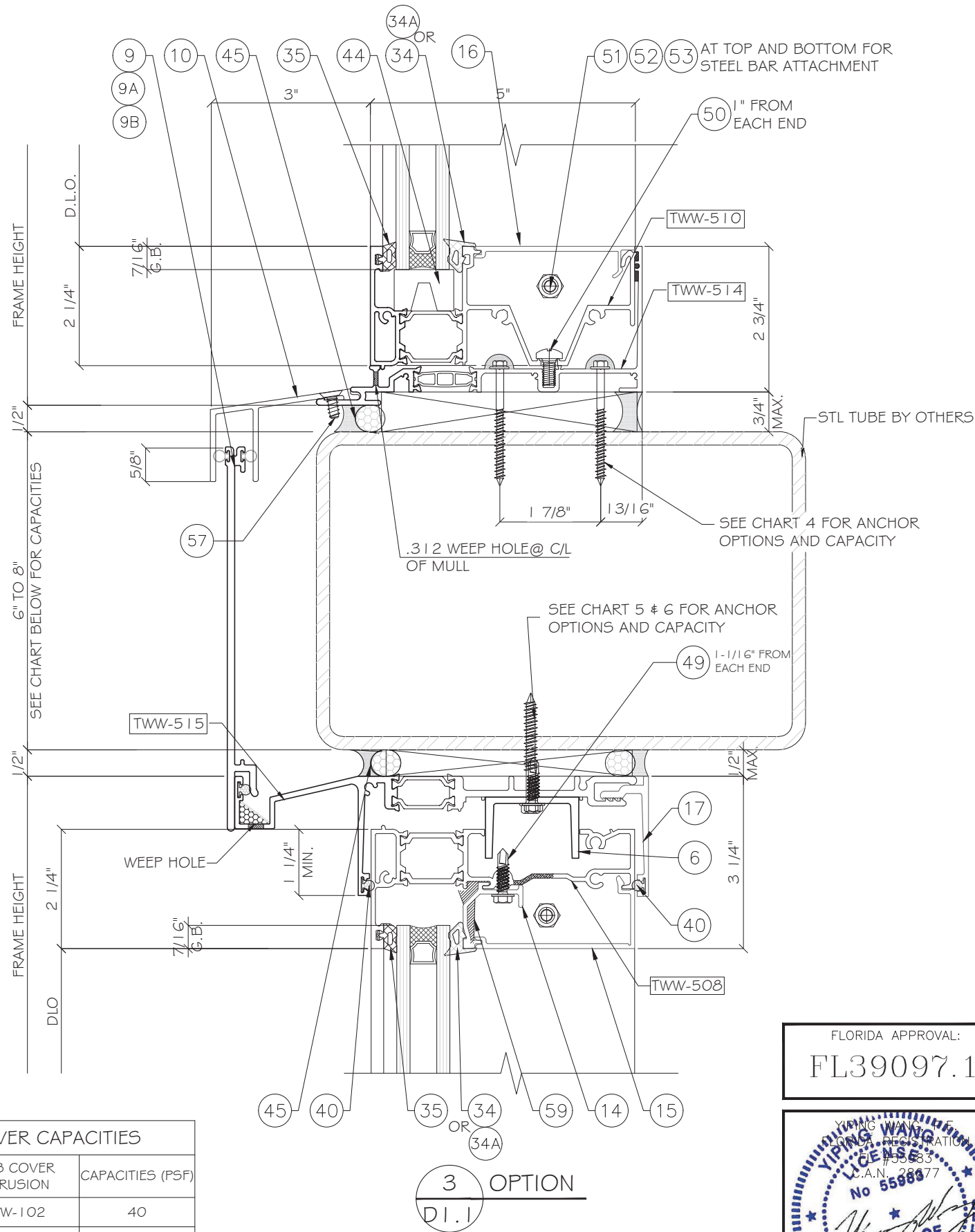
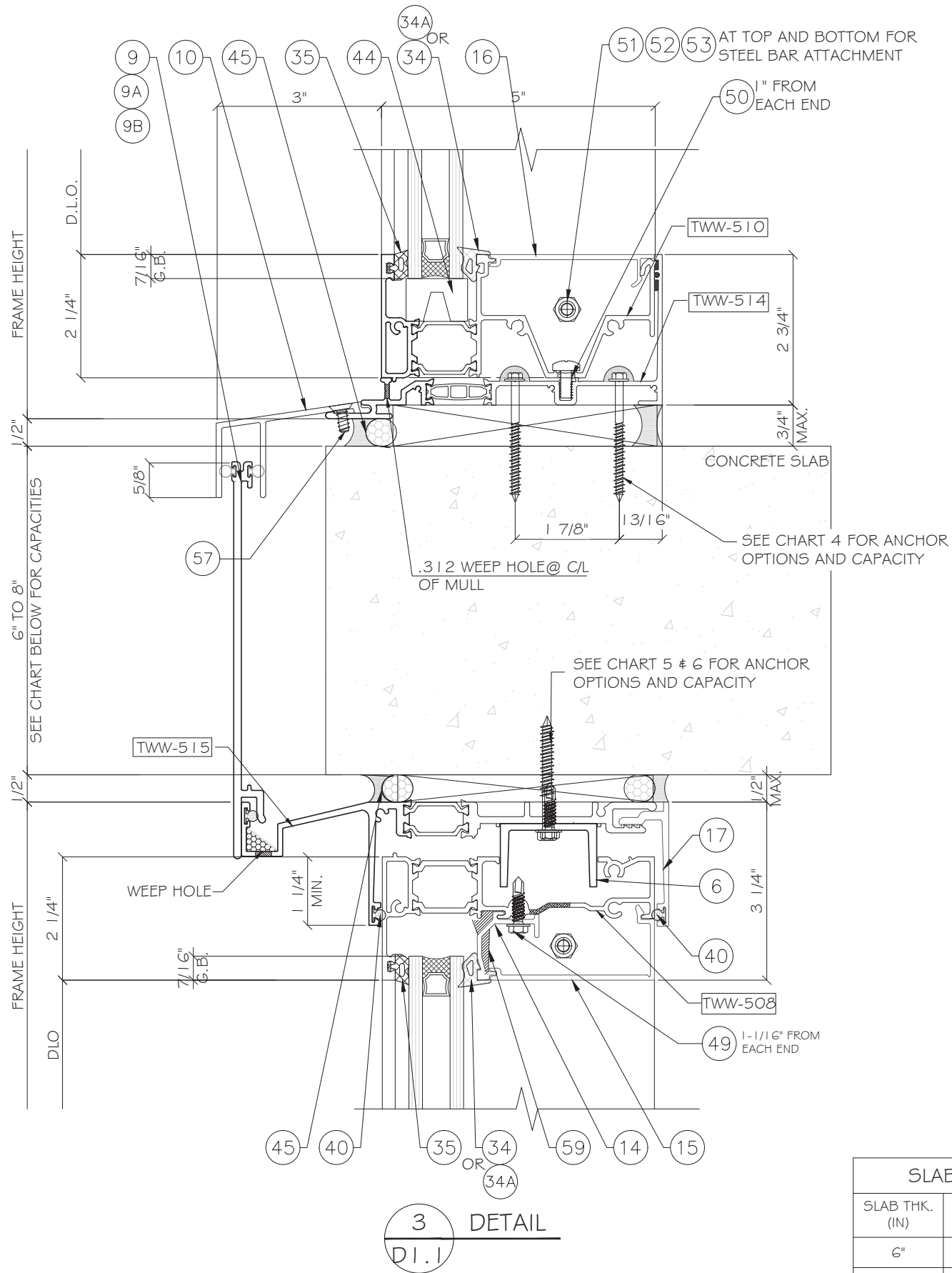
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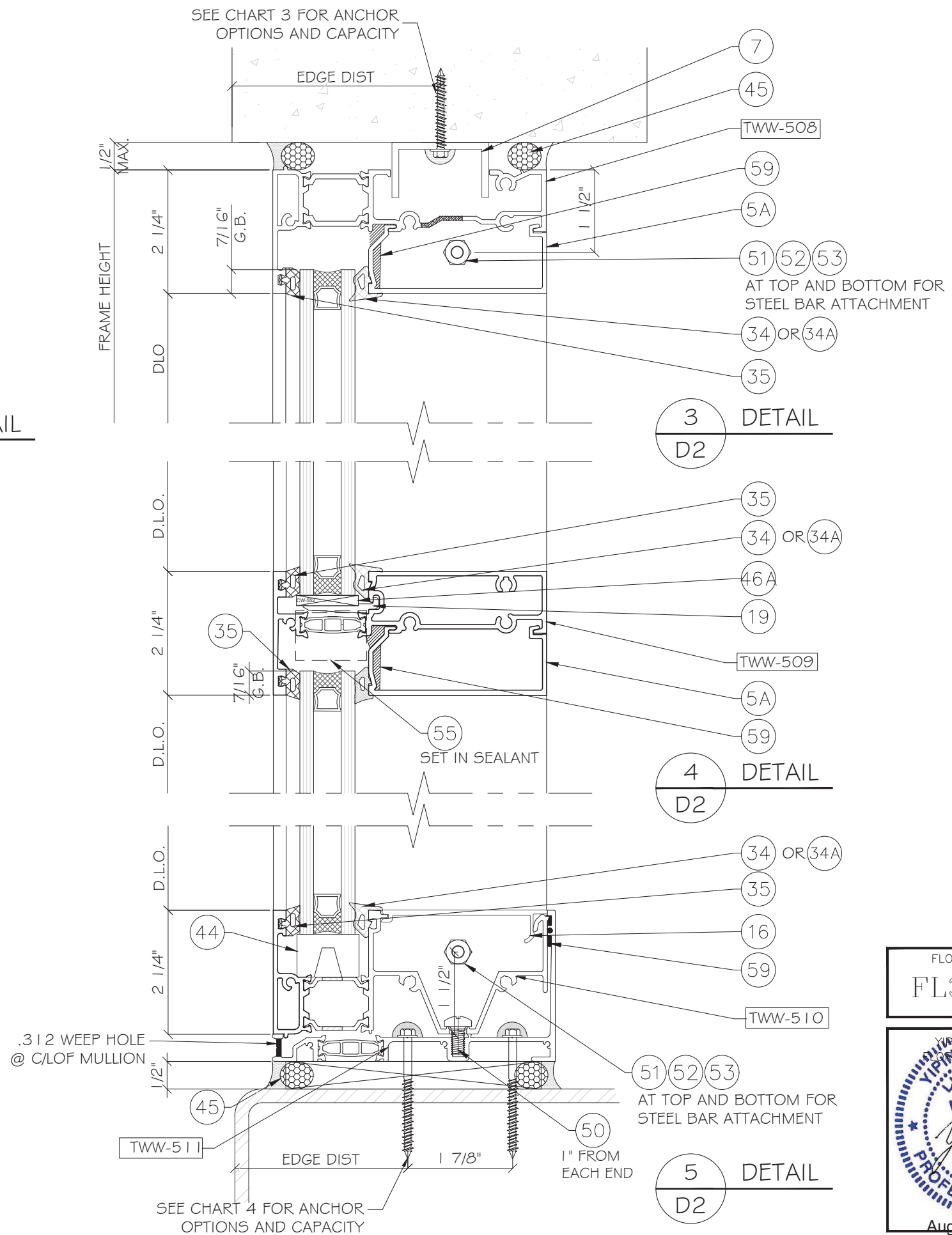
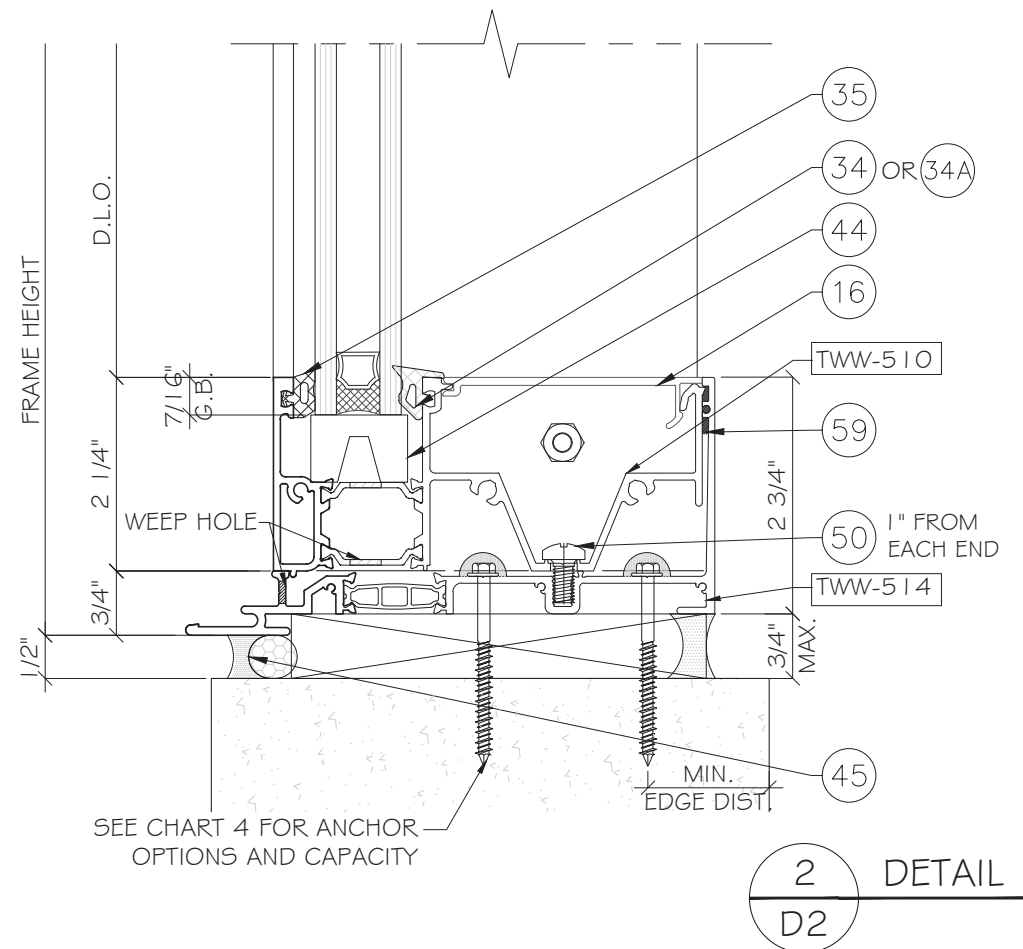


SLAB COVER CAPACITIES		
SLAB THK. (IN)	SLAB COVER EXTRUSION	CAPACITIES (PSF)
6"	RWW-1002	40
7"	RWW-1004	25
8"	RWW-1003	17

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YIPING WANG
REGISTERED PROFESSIONAL ENGINEER
No 55983
F.L.E. 28477

August 27th, 2026



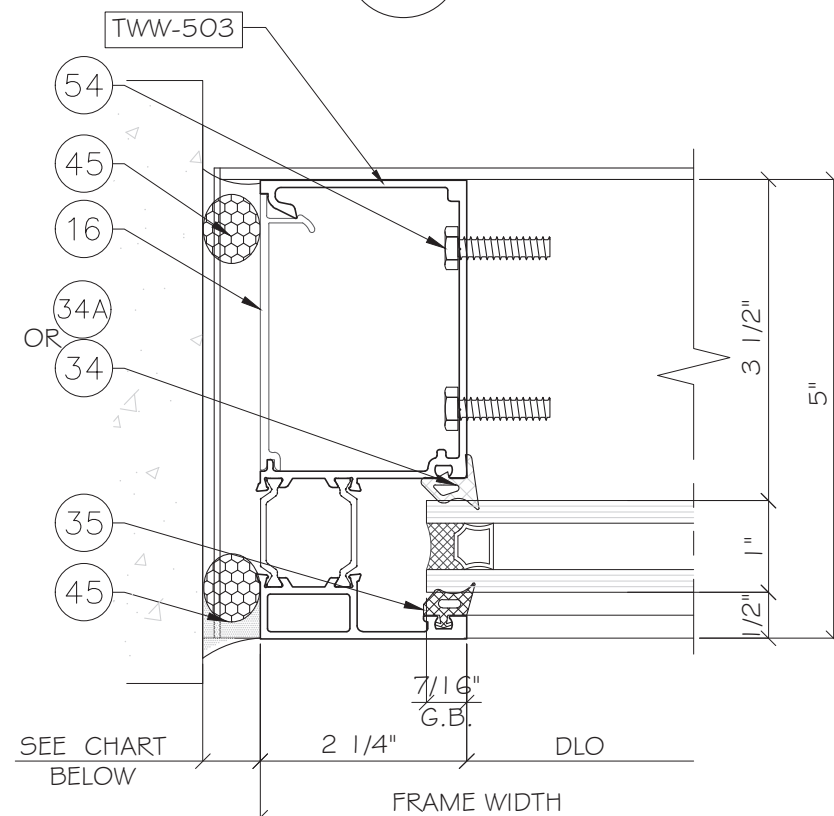
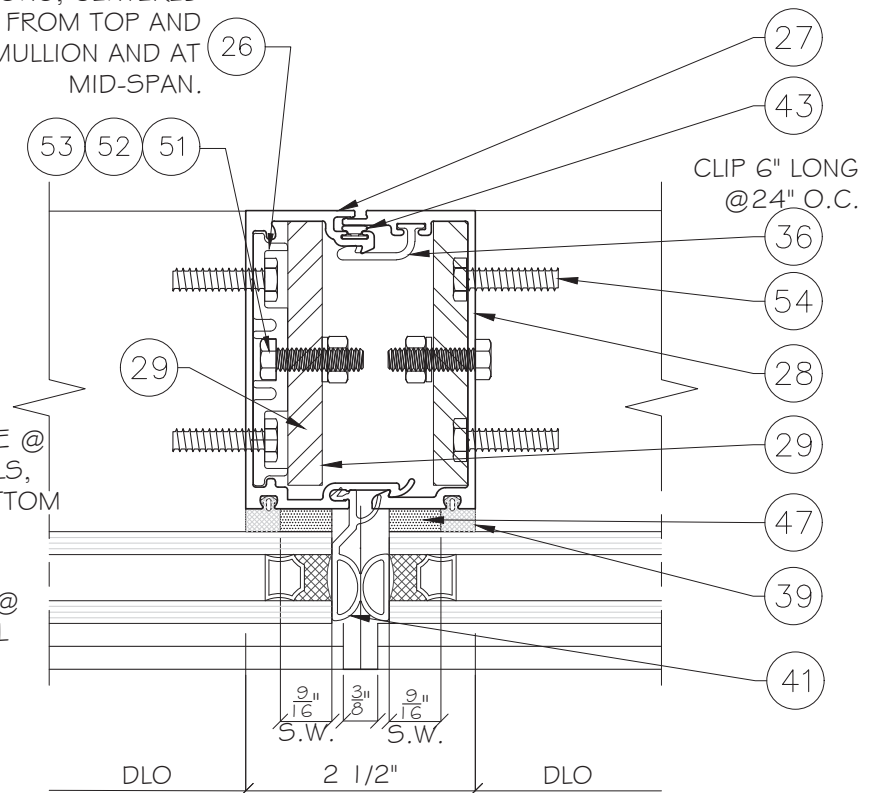
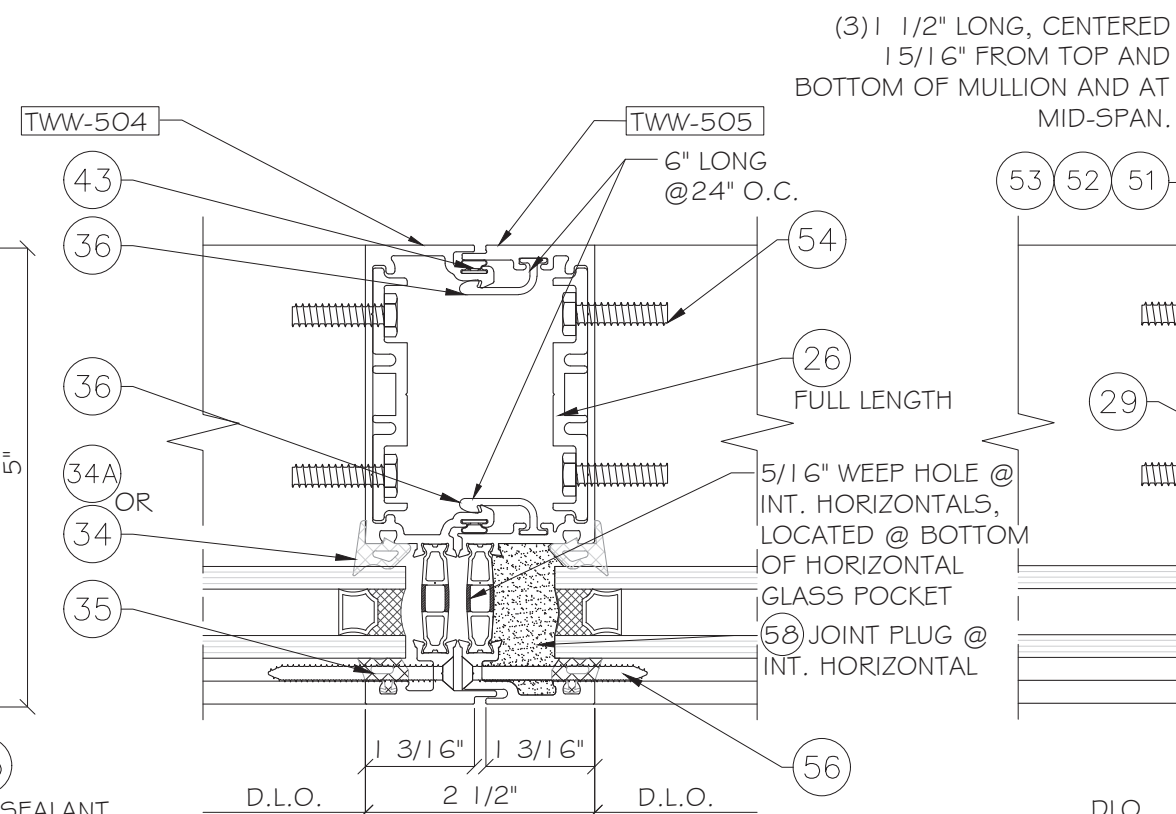
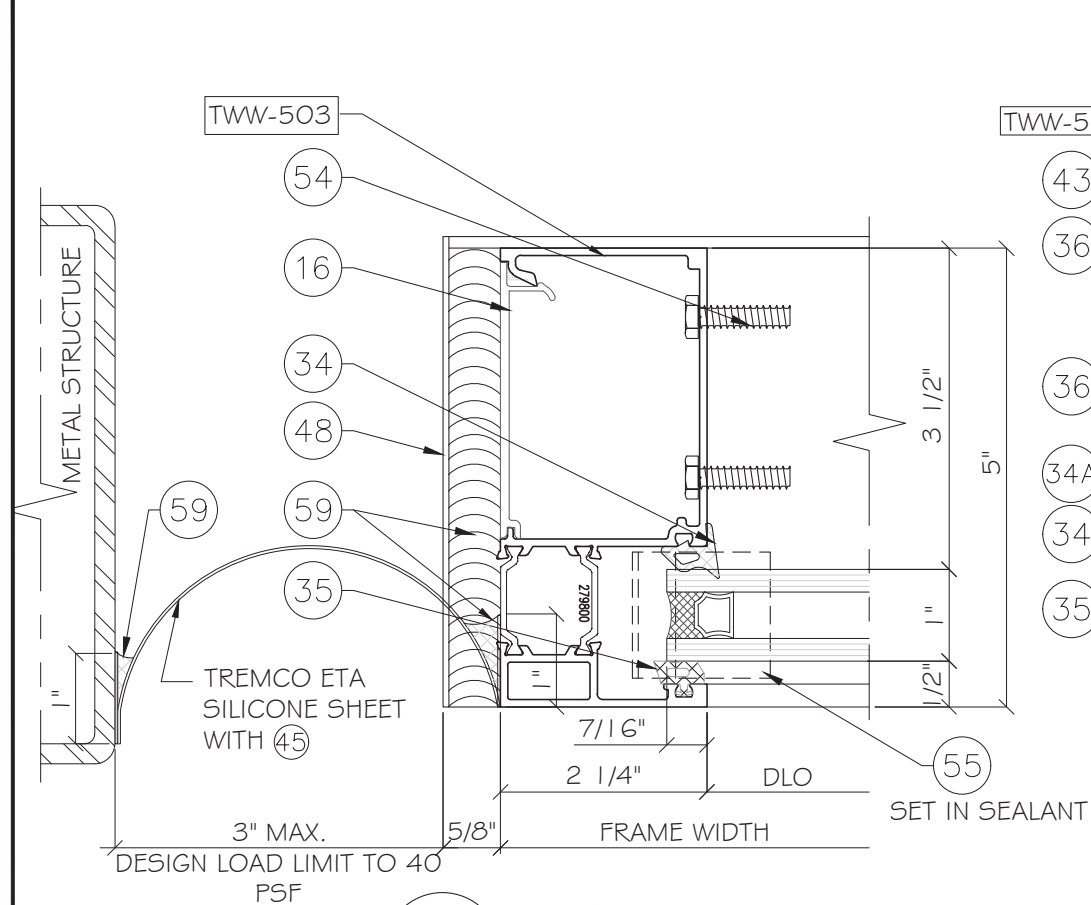
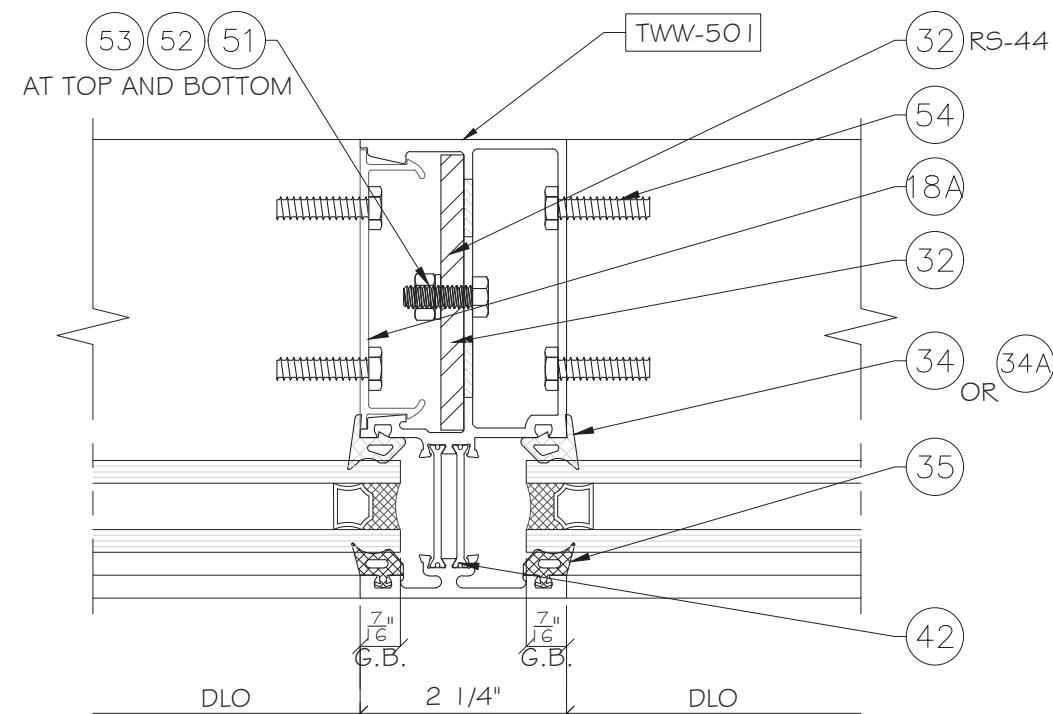
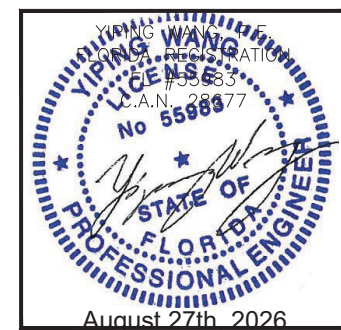


CHART	
FH (In)	MIN. GAP
≤ 96"	1/2"
≤ 120"	5/8"
≤ 144"	3/4"



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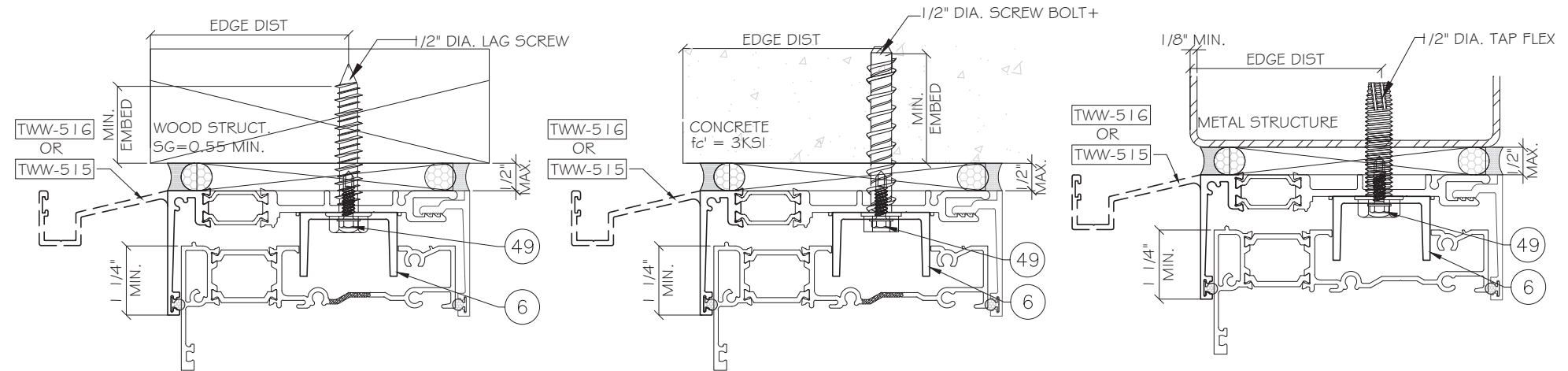
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ANCHOR CONDITION 1 - SYSTEM ANCHORED TO SUBSTRATE WITH 1/2" DIAMETER FASTENER AT MULLION CENTERLINE

CHART 5- HEAD ANCHOR WITH HEAD RECEPTOR CONDITION

ANCHOR TYPES NOMINAL DIMS.		ANCHOR CAPACITIES (PSF)			
		1/2" LAG BOLT INTO WOOD	1/2" SCREW INTO CONC. BOLT+	1/2" TAP FLEX INTO 1/8" ALUM.	1/2" TAP FLEX INTO 1/8" STEEL
		1/2" MAX. SHIM			
HEIGHT (in)	WIDTH (in)	EXT (+) INT (-)	EXT (+) INT (-)	EXT (+) INT (-)	EXT (+) INT (-)
84	36.0	27.3	42.9	25.9	55.7
	42.0	23.4	36.7	22.2	47.8
	48.0	-	32.1	19.4	41.8
	54.0	-	28.6	-	37.1
	60.0	-	25.7	-	33.4
90	36.0	25.5	40.0	24.2	52.0
	42.0	21.9	34.3	20.7	44.6
	48.0	-	30.0	-	39.0
	54.0	-	26.7	-	34.7
	60.0	-	24.0	-	31.2
96	36.0	23.9	37.5	22.7	48.8
	42.0	20.5	32.1	19.4	41.8
	48.0	-	28.1	-	36.6
	54.0	-	25.0	-	32.5
	60.0	-	22.5	-	29.3
102	36.0	22.5	35.3	21.3	45.9
	42.0	19.3	30.3	-	39.3
	48.0	-	26.5	-	34.4
	54.0	-	23.5	-	30.6
	60.0	-	21.2	-	27.5
108	36.0	21.3	33.3	20.1	43.3
	42.0	-	28.6	-	37.1
	48.0	-	25.0	-	32.5
	54.0	-	22.2	-	28.9
	60.0	-	20.0	-	26.0
114	36.0	-	31.6	-	41.1
	42.0	-	27.1	-	35.2
	48.0	-	23.7	-	30.8
	54.0	-	21.1	-	27.4
	60.0	-	-	-	24.6
120	36.0	-	30.0	-	39.0
	42.0	-	25.7	-	33.4
	48.0	-	22.5	-	29.3
	54.0	-	20.0	-	26.0
	60.0	-	-	-	23.4
126	36.0	-	28.6	-	37.1
	42.0	-	24.5	-	31.8
	48.0	-	21.4	-	27.9
	54.0	-	-	-	24.8
132	36.0	-	27.3	-	35.5
	42.0	-	23.4	-	30.4
	48.0	-	20.5	-	26.6
	54.0	-	-	-	23.6
138	36.0	-	26.1	-	33.9
	42.0	-	22.4	-	29.1
	48.0	-	-	-	25.4
144	36.0	-	25.0	-	32.5
	42.0	-	21.4	-	27.9
	48.0	-	-	-	24.4



HEAD RECEPTOR OPTION

(HEAD ASSEMBLY WITH TWW-515 & TWW-516 OPTIONS)

HEAD ANCHOR

ANCHOR TYPES:

1/2" LAG SCREW ($F_u=60$ KSI, $F_y=45$ KSI)

WITH 2" MIN. EMBED INTO WOOD BUCKS
OR WOOD STRUCTURE (SG=0.55 MIN.)

1/2" DIA. SCREW BOLT+ BY 'DEWALT' ($F_u = 115$ KSI, $F_y = 92$ KSI)

DIRECTLY INTO CONCRETE (3KSI MIN.)
WITH 1 3/4" EMBED INTO CONC.

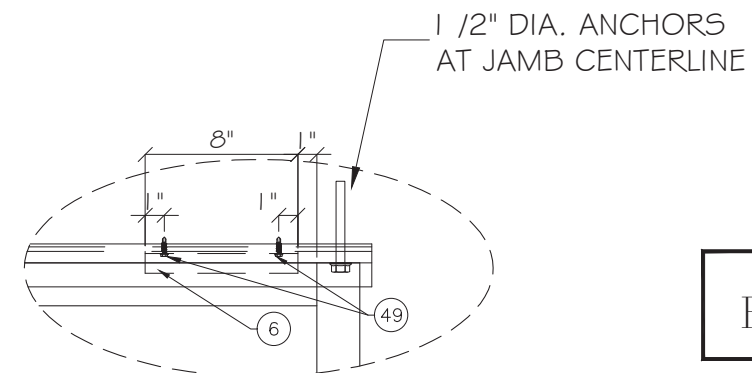
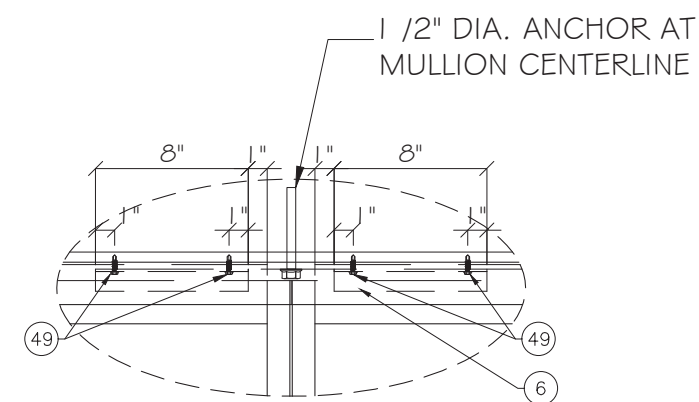
1/2" DIA. TAP-FLEX BY 'ELCO' ($F_u = 120$ KSI, $F_y = 92$ KSI)

INTO 1/8" MIN. THK. ALUM. STRUCTURE (6063-T6 MIN.)
OR STEEL : 1/8" MIN. ($F_y = 36$ KSI MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

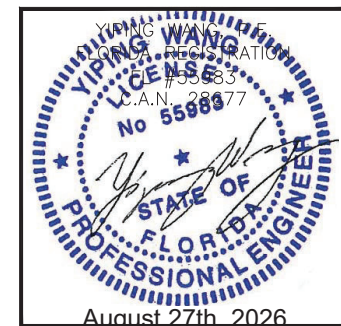
INTO CONCRETE AND MASONRY = 2-1/2" MIN. EMBEDMENT
INTO WOOD STRUCTURE = 2" MIN. EMBEDMENT
INTO METAL STRUCTURE = 1" MIN. EMBEDMENT

WOOD BUCK OR METAL STRUCTURES BY OTHERS MUST BE DESIGNED AND ANCHORED PROPERLY TO TRANSFER LOADS TO BUILDING STRUCTURE.



FLORIDA APPROVAL:

FL39097.1



MCY ENGINEERING, INC.
GLAZING CONSULTANTS

GLAZING CONSULTANTS

12781 MIRAMAR PKWY. Ste.301

MIRAMAR, FL. 33027

MIRAMAR, FL. 33027 P: 305.588.5224
www.MCYEngineering.com MCY@mcyengineering.com

TCR 225 PRE-GLAZED & FIELD GALZED WINDOW WALL-N.I

OLDCASTLE BUILDINGENVELOPE

803 AIRPORT RD - TERRELL, TX 75160

TEL.: 972-551-6100

R3	08/24/2026	James	UPDATE FBC 2026
R2	08/16/2023	James	UPDATE FBC 2023
Rev. No.	Date	Drawn By	Description

Drawn Date	Scale
02.01.2006	

DRAWING NO.

AD21-14

A3

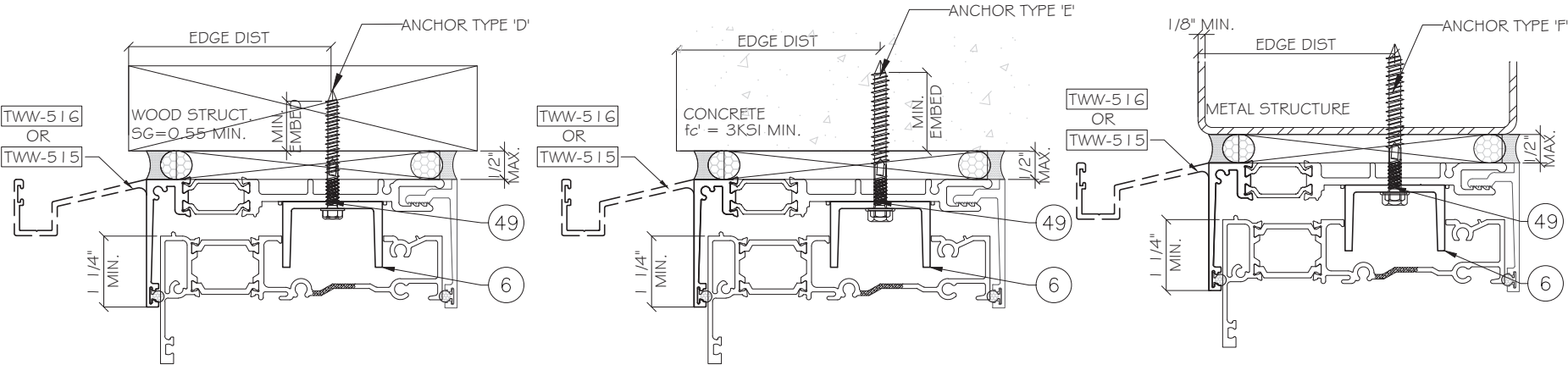
Sheet No.

12 OF 19

ANCHOR CONDITION 2- SYSTEM ANCHORED TO SUBSTRATE WITH 1/2" DIAMETER FASTENER AT MULLION/JAMB CENTERLINE

CHART 6- HEAD ANCHOR WITH HEAD RECEPTOR CONDITION 2								
ANCHOR TYPES NOMINAL DIMS.		ANCHOR CAPACITIES (PSF)						
		1/2" LAG BOLT INTO WOOD +		1/2" SCREW BOLT+ INTO CONC. +		1/2" TAP FLEX INTO 1/8" ALUM. +		1/2" TAP FLEX INTO 1/8" STL
		D1	D2	E1	E2	F1	F2	F1
1/2" MAX SHIM								
HEIGHT (in)	WIDTH (in)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
84	36.0	79.7	80.0	80.0	80.0	68.6	80.0	80.0
	42.0	68.3	80.0	79.1	80.0	58.8	80.0	80.0
	48.0	59.8	80.0	69.2	80.0	51.4	80.0	80.0
	54.0	53.1	80.0	61.5	73.0	45.7	74.2	74.7
	60.0	47.8	79.3	55.4	65.7	41.1	66.7	67.3
90	36.0	74.4	80.0	80.0	80.0	64.0	80.0	80.0
	42.0	63.8	80.0	73.8	80.0	54.9	80.0	80.0
	48.0	55.8	80.0	64.6	76.7	48.0	77.9	78.5
	54.0	49.6	80.0	57.4	68.1	42.7	69.2	69.7
	60.0	44.6	74.0	51.7	61.3	38.4	62.3	62.8
96	36.0	69.8	80.0	80.0	80.0	60.0	80.0	80.0
	42.0	59.8	80.0	69.2	80.0	51.4	80.0	80.0
	48.0	52.3	80.0	60.6	71.9	45.0	73.0	73.6
	54.0	46.5	77.1	53.8	63.9	40.0	64.9	65.4
	60.0	41.9	69.4	48.5	57.5	36.0	58.4	58.9
102	36.0	65.6	80.0	76.0	80.0	56.5	80.0	80.0
	42.0	56.3	80.0	65.1	77.3	48.4	78.5	79.1
	48.0	49.2	80.0	57.0	67.6	42.4	68.7	69.2
	54.0	43.8	72.5	50.7	60.1	37.6	61.1	61.5
	60.0	39.4	65.3	45.6	54.1	33.9	55.0	55.4
108	36.0	62.0	80.0	71.8	80.0	53.3	80.0	80.0
	42.0	53.1	80.0	61.5	73.0	45.7	74.2	74.7
	48.0	46.5	77.1	53.8	63.9	40.0	64.9	65.4
	54.0	41.3	68.5	47.9	56.8	35.6	57.7	58.1
	60.0	37.2	61.6	43.1	51.1	32.0	51.9	52.3
114	36.0	58.7	80.0	68.0	80.0	50.5	80.0	80.0
	42.0	50.3	80.0	58.3	69.2	43.3	70.3	70.8
	48.0	44.1	73.0	51.0	60.5	37.9	61.5	61.9
	54.0	39.2	64.9	45.3	53.8	33.7	54.6	55.1
	60.0	35.2	58.4	40.8	48.4	30.3	49.2	49.6
120	36.0	55.8	80.0	64.6	76.7	48.0	77.9	78.5
	42.0	47.8	79.3	55.4	65.7	41.1	66.7	67.3
	48.0	41.9	69.4	48.5	57.5	36.0	58.4	58.9
	54.0	37.2	61.6	43.1	51.1	32.0	51.9	52.3
	60.0	33.5	55.5	38.8	46.0	28.8	46.7	47.1
126	36.0	53.1	80.0	61.5	73.0	45.7	74.2	74.7
	42.0	45.6	75.5	52.7	62.6	39.2	63.6	64.1
	48.0	39.9	66.0	46.1	54.8	34.3	55.6	56.0
	54.0	35.4	58.7	41.0	48.7	30.5	49.4	49.8
132	36.0	50.7	80.0	58.7	69.7	43.6	70.8	71.3
	42.0	43.5	72.1	50.3	59.7	37.4	60.7	61.1
	48.0	38.0	63.0	44.0	52.3	32.7	53.1	53.5
138	36.0	48.5	80.0	56.2	66.7	41.7	67.7	68.2
	42.0	41.6	68.9	48.1	57.1	35.8	58.0	58.5
	48.0	36.4	60.3	42.1	50.0	31.3	50.8	51.2
144	36.0	46.5	77.1	53.8	63.9	40.0	64.9	65.4
	42.0	39.9	66.0	46.1	54.8	34.3	55.6	56.0
	48.0	34.9	57.8	40.4	47.9	30.0	48.7	49.0

AND ADDITIONAL FASTENERS ON EACH SIDE OF MULLION

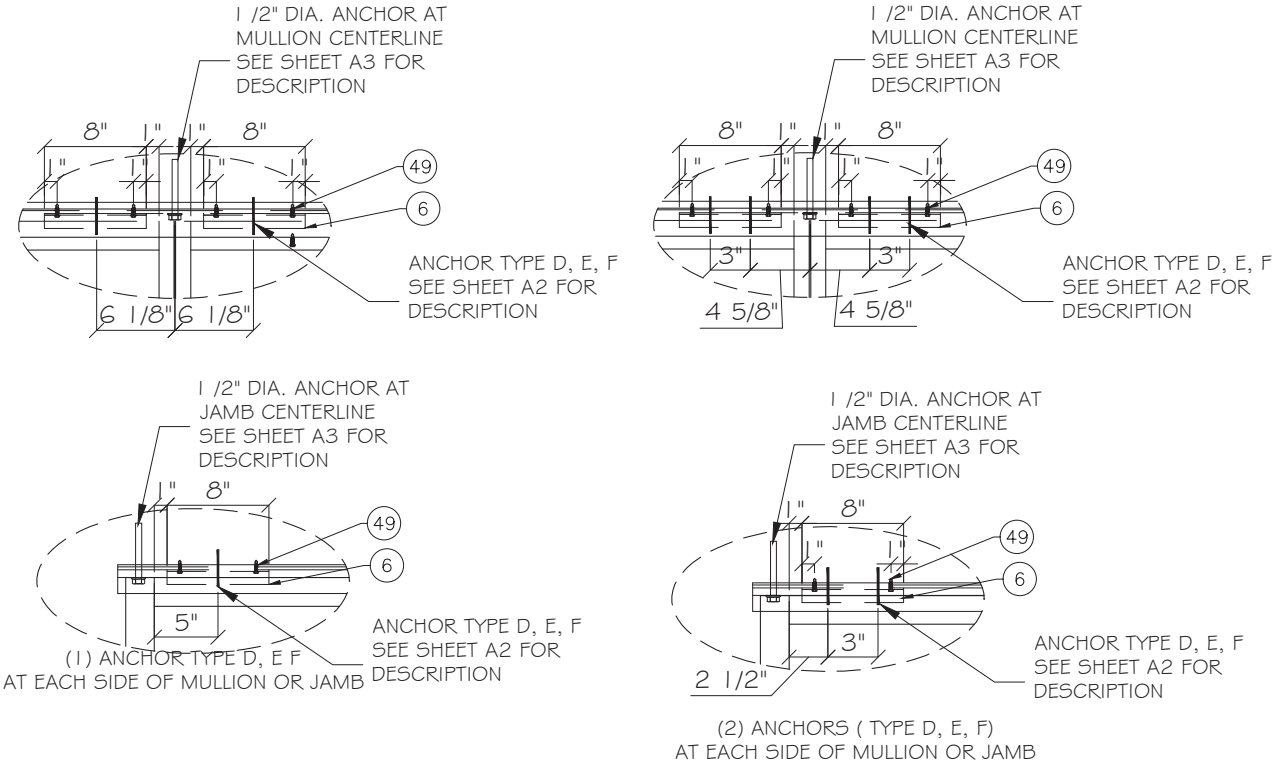


HEAD RECEPTOR OPTION

(HEAD ASSEMBLY WITH TW-515 & TW-516 OPTIONS)

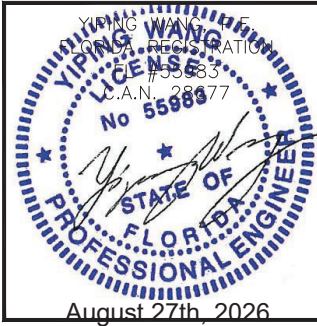
1/2" DIA. ANCHORS @ MULLION /JAMB CENTER NOT SHOWN IN THIS DETAIL
1/2" DIA. ANCHORS @ MULLION SEE SHEET A3 FOR DESCRIPTION
ANCHOR TYPE D,E & F FOR ANCHOR CHANNEL, SEE SHEET A2 FOR DESCRIPTION

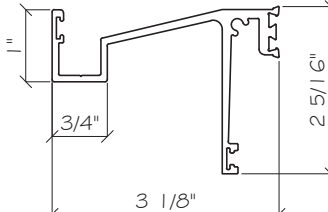
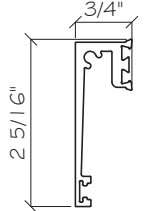
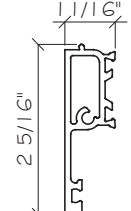
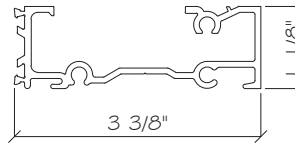
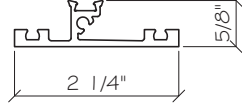
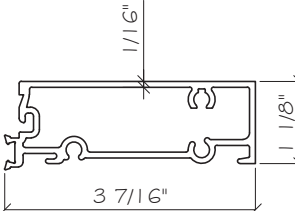
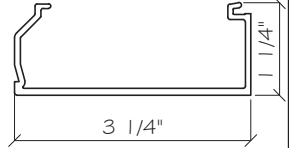
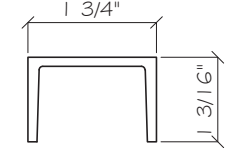
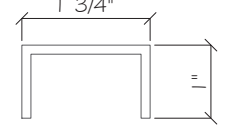
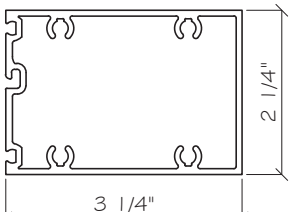
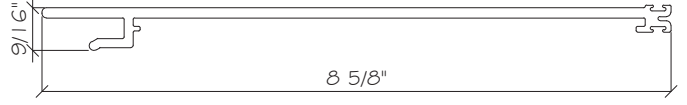
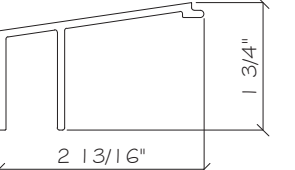
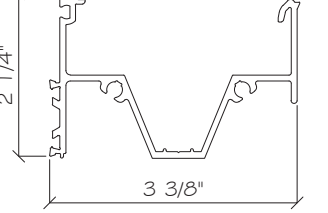
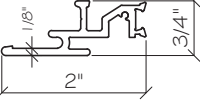
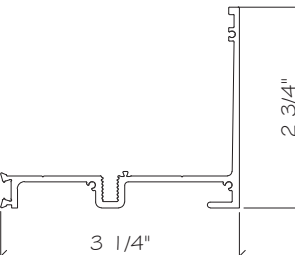
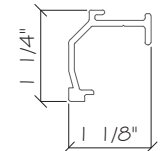
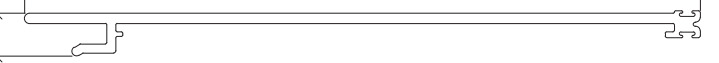
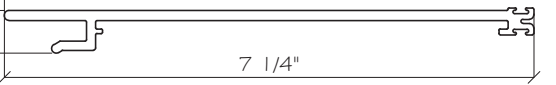
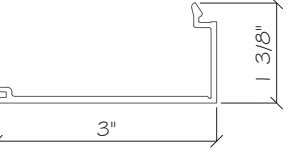
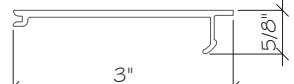
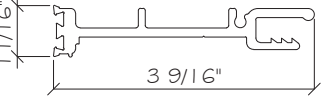
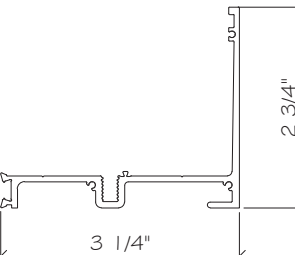
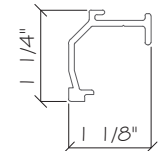
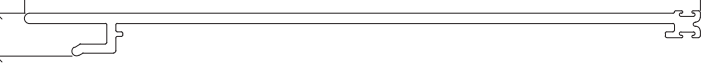
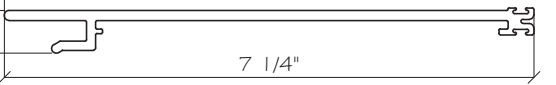
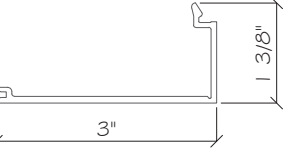
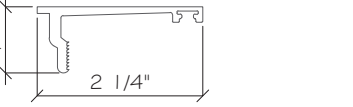
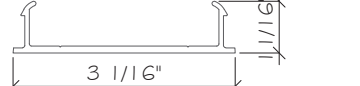
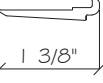
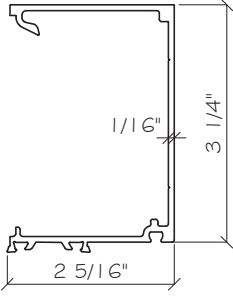
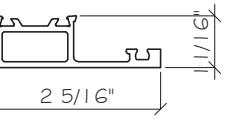
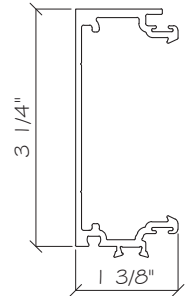
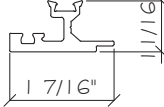
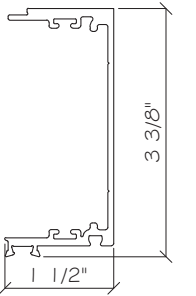
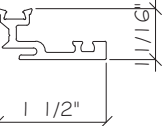
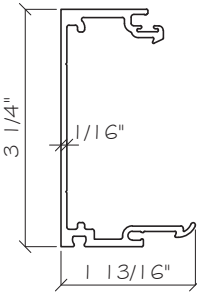
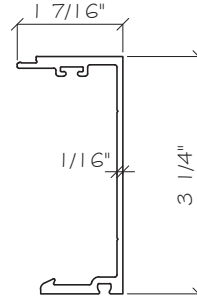
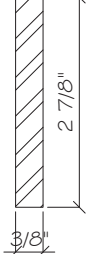
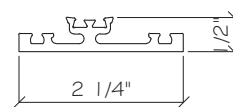
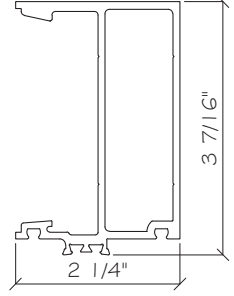
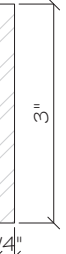
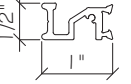
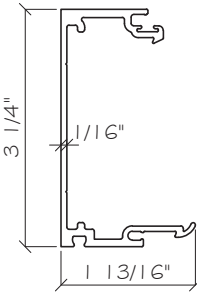
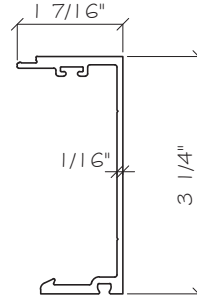
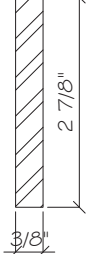
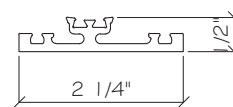
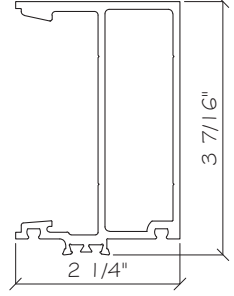
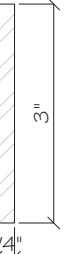
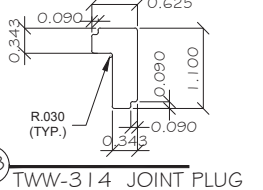
WOOD BUCK OR METAL STRUCTURES BY OTHERS MUST BE DESIGNED
AND ANCHORED PROPERLY TO TRANSFER LOADS TO BUILDING STRUCTURE.



- D1-(1) ANCHOR TYPE D AT EACH SIDE OF MULLION
- D2-(2) ANCHOR TYPE D AT EACH SIDE OF MULLION
- E1-(1) ANCHOR TYPE E AT EACH SIDE OF MULLION
- E2-(2) ANCHOR TYPE E AT EACH SIDE OF MULLION
- F1-(1) ANCHOR TYPE F AT EACH SIDE OF MULLION
- F2-(2) ANCHOR TYPE F AT EACH SIDE OF MULLION

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 ① TWW-127 SLAB EDGE RECEPTOR 6063-T6	 ①A TWW-132 SLAB EDGE RECEPTOR 6063-T6	 ② TWW-101 IG FRONT 6063-T6	 ③ TWW-102 IG HEAD 6063-T6	 ④ TWW-103 HORIZONTAL FRONT 6063-T6	 ⑤ TWW-104 IG HORIZONTAL COMPOSITE 6063-T6	 ⑤A TWW-301 IG STOP 6063-T6	 ⑥ TWW-304 RECEPTOR CHANNEL 6063-T6	
 ⑦ CH47-01 RECEPTOR CHANNEL 6063-T5	 ⑧ TWW-128 MULLION 6063-T6	 ⑨A RWW-1004 SLAB EDGE COVER 6063-T5		 ⑩ ICR-1167 SLAB EDGE TOP TRIM 6063-T5	 ⑪ TWW-105 SILL 6063-T6	 ⑫ TWW-126 SLAB EDGE FLASHING FRONT 6063-T6		
 ⑬ TWW-107 FLASHING 6063-T6	 ⑭ FWW-106 PREGLAZED GLAZING BEAD 6063-T6	 ⑨B RWW-1003 SLAB EDGE COVER 6063-T5		 ⑨ RWW-102 SLAB EDGE COVER 6063-T5	 ⑮ FWW-535 PREGLAZED HORIZONTAL COVER FILLER 6063-T5	 ⑮ FWW-540 COVER FILLER 6063-T5	 ⑮ TWW-131 RECEPTOR REAR 6063-T6	
 ⑬ TWW-107 FLASHING 6063-T6	 ⑭ FWW-106 PREGLAZED GLAZING BEAD 6063-T6	 ⑨B RWW-1003 SLAB EDGE COVER 6063-T5		 ⑨ RWW-102 SLAB EDGE COVER 6063-T5	 ⑮ FWW-535 PREGLAZED HORIZONTAL COVER FILLER 6063-T5	 ⑮ FWW-105 HEAD CAN INTERIOR COVER 6063-T5	 ⑮A FWW-501 FIELD GLAZED MULLION FILLER 6063-T6	
 ⑰ TWW-303 SETTING CHAIR 6063-T6	 ⑰ TWW-112 JAMB 6063-T6	 ⑰ TWW-113 JAMB FRONT 6063-T6	 ⑰ TWW-114 MALE MULLION HALF 6063-T6	 ⑰ TWW-115 MALE MULLION FRONT 6063-T6	 ⑰ TWW-116 FEMALE MULLION HALF 6063-T6	 ⑰ TWW-117 FEMALE MULLION FRONT 6063-T6	 ⑰ FWW-552 PRE-GLAZED REINFORCING CLIP 6063-T6	
 ⑰ TWW-129 MALE MULLION HALF 6063-T6	 ⑰ TWW-130 FEMALE MULLION HALF 6063-T6	 ⑰ RS-45 STEEL	 ⑰ TWW-119 FIELD GLAZED FRONT 6063-T6	 ⑰ TWW-120 FIELD GLAZED MULLION 6063-T6	 ⑰ RS-44 STEEL	 ⑰ TWW-106 FLASHING FRONT 6063-T6	 ⑰ GP-163 INTERIOR WEDGE GASKETS	 ⑰A GP-113 INTERIOR WEDGE GASKETS
 ⑰ TWW-129 MALE MULLION HALF 6063-T6	 ⑰ TWW-130 FEMALE MULLION HALF 6063-T6	 ⑰ RS-45 STEEL	 ⑰ TWW-119 FIELD GLAZED FRONT 6063-T6	 ⑰ TWW-120 FIELD GLAZED MULLION 6063-T6	 ⑰ RS-44 STEEL	 ⑰ GP-103 EXTERIOR FIXED GASKETS	 ⑰ TWW-314 JOINT PLUG	
 ⑰ 31mm HOLLOW STRUT POLYAMIDE	 ⑰ 30mm SINGLE STRUT POLYAMIDE	 ⑰ GP-106 SSG SPACER SILICONE 70±DUROMETER	 ⑰ GP-32007 BULB GASKETS FOAM - TITE	 ⑰ GP60032 SSG Front Gasket SILICONE 70±1 DUROMETER	 ⑰ 34mm 590500 SINGLE STRUT POLYAMIDE	 ⑰ CW-998 BULB GASKETS FOAM - TITE	 ⑰ SILL SETTING BLOCK EPDM 85±5 DUROMETER	

FLORIDA APPROVED

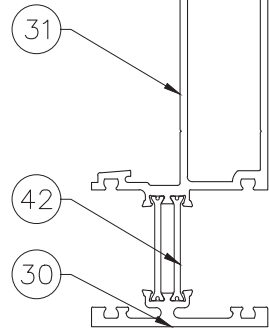
FL3909

YIPING WANG
Professional Engineer
No. 55989
August 27th

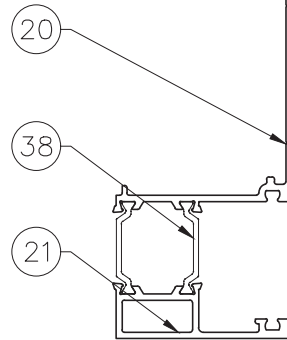
FLORIDA APPROVAL:
FL39097.1



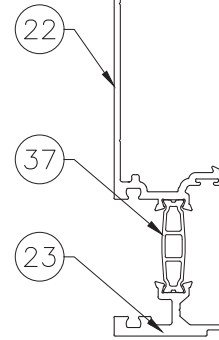
MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PKWY. Ste.301 MIRAMAR, FL 33027 P: 305.588.5224 www.MCYEngineering.com MCY@mcycengineering.com			
TCR 225 PRE-GLAZED & FIELD GALZED WINDOW WALL-N.I OLDCASTLE BUILDINGENVELOPE™ 803 AIRPORT RD - TERRELL, TX 75160 TEL.: 972-551-6100			
Drawn Date 08.24.2026	Scale 	Update FBC 2026 James R3	Update FBC 2023 James R2
Rev. No.	Date	Drawn By	Description
DRAWING NO. AD21-14			
PARTS Sheet No. 14 OF 19			



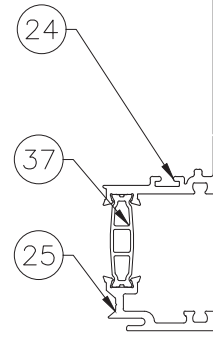
TWW-501: 30+42+31



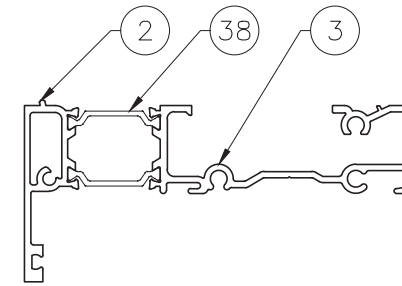
TWW-503: 21+38+20



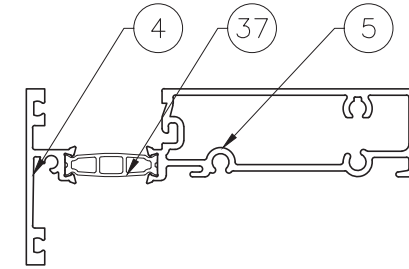
TWW-504: 22+37+23



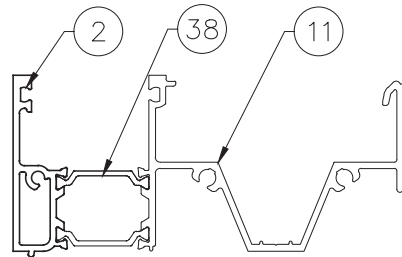
TWW-505: 25+37+24



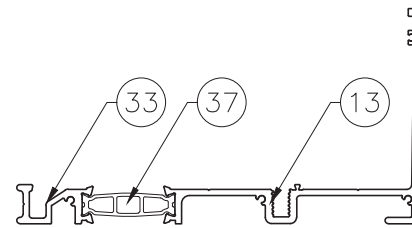
TWW-508: 2+38+3



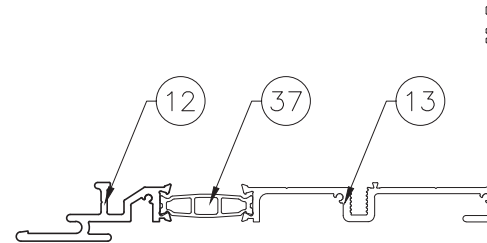
TWW-509: 4+37+5



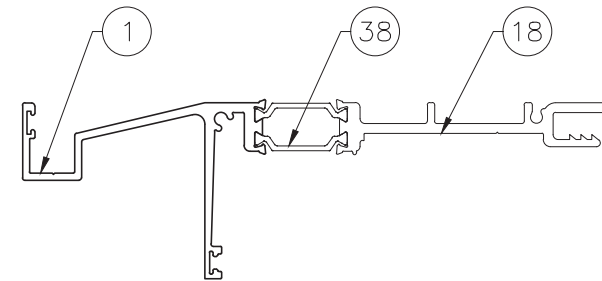
TWW-510: 2+38+11



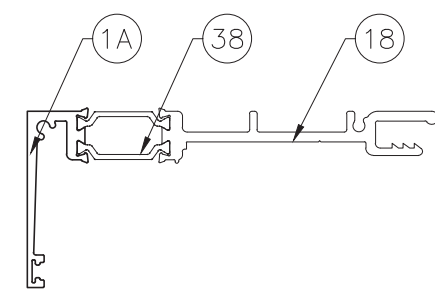
TWW-511: 33+37+13



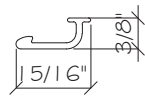
TWW-514: 12+37+13



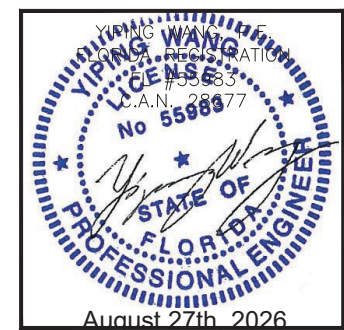
TWW-515: 1+38+18



TWW-516: 1A+38+18



FWW - 108 CLIP
6063-T6

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OLDCASTLE BUILDINGENVELOPE

803 AIRPORT RD - TERRELL, TX 75160

TEL.: 972-551-6100

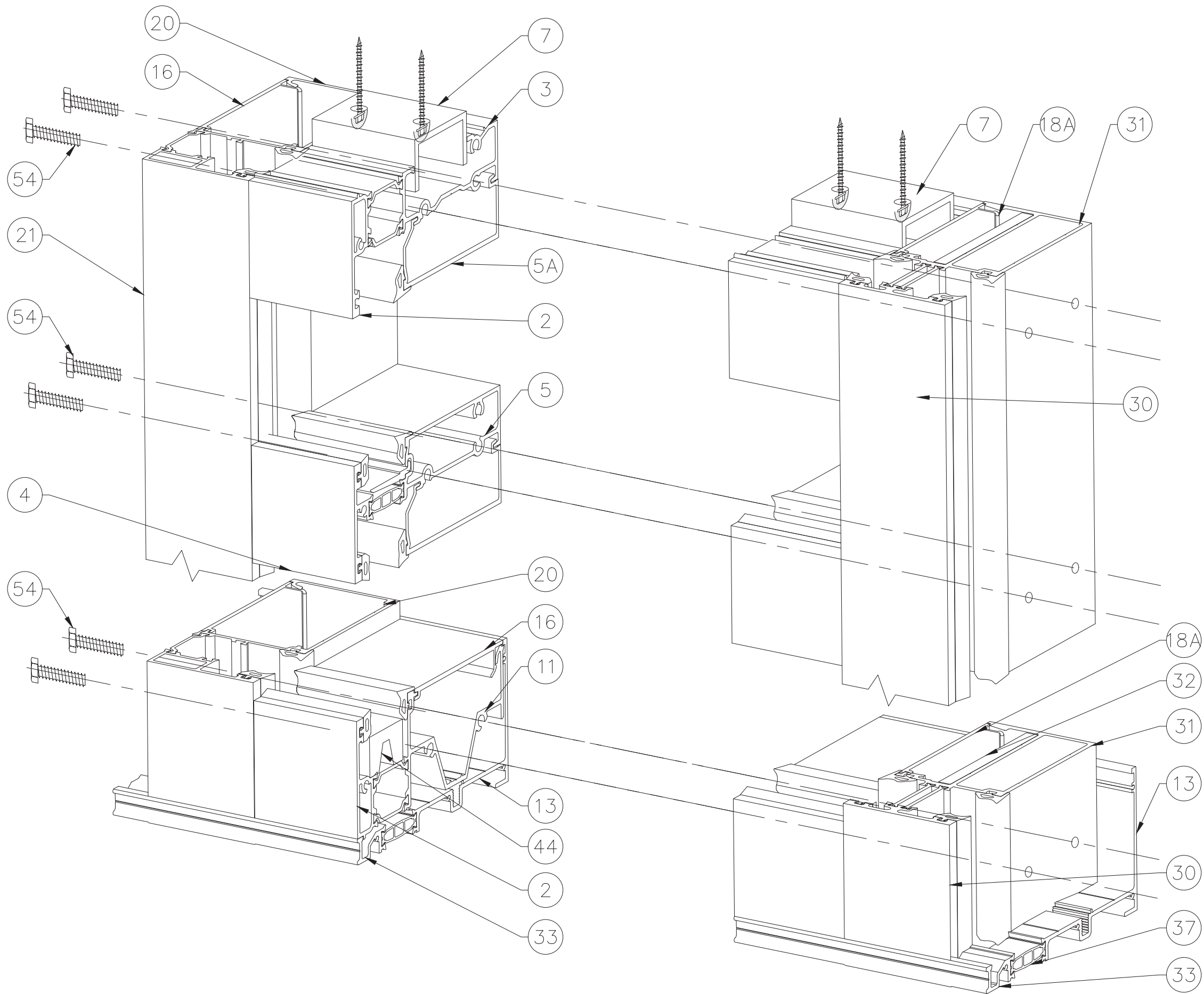
MCY ENGINEERING, INC.
GLAZING CONSULTANTS

GLAZING CONSULTANTS

12781 MIRAMAR PKWY. Ste.301

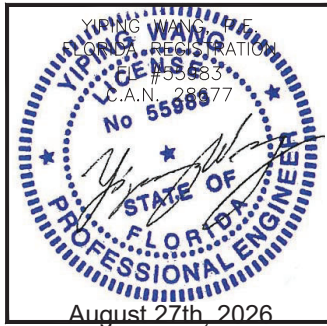
MIRAMAR, FL. 33027 P: 305.588.5224

www.MCYEngineering.com MCY@mcysengineering.com



ASSEMBLY DRAWING FOR FIELD GLAZED

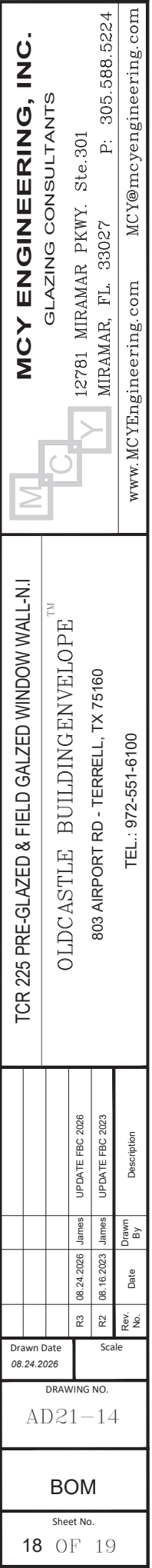
FLORIDA APPROVAL:
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MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PKWY. Ste. 301 MIRAMAR, FL 33027 P: 305.588.5224 www.MCYEngineering.com MCY@mcyengineering.com			
TCR 225 PRE-GLAZED & FIELD GALZED WINDOW WALL-N.I			
OLDCASTLE BUILDING ENVELOPE™ 803 AIRPORT RD - TERRELL, TX 75160 TEL.: 972-551-6100			
Rev. No.	Date	Drawn By	Description
R3	08.24.2026	James	UPDATE FBC 2026
R2	06.16.2023	James	UPDATE FBC 2023
Drawn Date 08.24.2026		Scale	
DRAWING NO. AD21-14			
ASSEMBLY 1			
Sheet No.		16 OF 19	

BILL OF MATERIALS			
ITEM	PART	DESCRIPTION	MATERIAL
1	TWW-127	SLAB EDGE RECEPTOR	ALUM. 6063-T6
1A	TWW-132	SLAB EDGE RECEPTOR	ALUM. 6063-T6
2	TWW-101	IG FRONT	ALUM. 6063-T6
3	TWW-102	IG HEAD	ALUM. 6063-T6
4	TWW-103	HORIZONTAL FRONT	ALUM. 6063-T6
5	TWW-104	IG HORIZONTAL COMPOSITE	ALUM. 6063-T6
5A	TWW-301	IG STOP	ALUM. 6063-T6
6	TWW-304	RECEPTOR CHANNEL	ALUM. 6063-T6
7	CH47-01	RECEPTOR CHANNEL	ALUM. 6063-T5
8	TWW-128	MULLION	ALUM. 6063-T6
9	RWW-102	FASCIA PANEL / SLAB COVER	ALUM. 6063-T5
9A	RWW-1004	FASCIA PANEL / SLAB COVER, FOR 7" SLAB	ALUM. 6063-T5
9B	RWW-1003	FASCIA PANEL / SLAB COVER, FOR 8" SLAB	ALUM. 6063-T5
10	ICR-1167	FASCIA CAP / SLAB EDGE TOP TRIM	ALUM. 6063-T5
11	TWW-105	SILL	ALUM. 6063-T6
12	TWW-126	SLAB EDGE FLASHING FRONT	ALUM. 6063-T6
13	TWW-107	FLASHING	ALUM. 6063-T6
14	FWW-106	PREGLAZED GLAZING BEAD	ALUM. 6063-T6
15	FWW-535	PREGLAZED HORIZONTAL COVER FILLER	ALUM. 6063-T6
16	FWW-540	COVER FILLER	ALUM. 6063-T5
17	FWW-105	HEAD CAN INTERIOR COVER	ALUM. 6063-T6
18	TWW-131	RECEPTOR REAR	ALUM. 6063-T6
18A	FWW-501	FIELD GLAZED MULLION FILLER	ALUM. 6063-T6
19	TWW-303	SETTING CHAIR	ALUM. 6063-T6
20	TWW-112	JAMB HALF	ALUM. 6063-T6
21	TWW-113	JAMB FRONT	ALUM. 6063-T6
22	TWW-114	MALE MULLION HALF	ALUM. 6063-T6
23	TWW-115	MALE MULLION FRONT	ALUM. 6063-T6
24	TWW-116	FEMALE MULLION HALF	ALUM. 6063-T6
25	TWW-117	FEMALE MULLION FRONT	ALUM. 6063-T6
26	FWW-552	PREGLAZED REINFORCING CLIP	ALUM. 6063-T6
27	TWW-129	MALE MULLION HALF	ALUM. 6063-T6
28	TWW-130	FEMALE MULLION HALF	ALUM. 6063-T6
29	RS-45	3/8" X 2 7/8" STEEL BAR	STEEL A36
30	TWW-119	FIELD GLAZED FRONT	ALUM. 6063-T6
31	TWW-120	FIELD GLAZED MULLION	ALUM. 6063-T6
32	RS-44	1/4" X 3 STEEL BAR	STEEL A36
33	TWW-106	FLASHING FRONT	ALUM. 6063-T6
34	GP-163	WEDGE GASKET	EPDM 65 +/- 5 DUROMETER
34A	GP-113	INTERIOR WEDGE GASKET	EPDM 70 +/- 5 DUROMETER
35	GP-103	GASKET	EPDM 60 +/- 5 DUROMETER
36	FWW-108	PREGLAZED MULLION CLIP	ALUM. 6063-T6
37	31MM-579900	31MM HOLLOW STRUT	POLYAMIDE
38	30MM-279800	30MM SINGLE STRUT	POLYAMIDE
39	GP-106	SSG SPACER	SILICONE 70 +/- 5 DUROMETER
40	GP-32007	BULB GASKET	FOAM-TITE
41	GP-60032	SSG FRONT GASKET	SILICONE 70 +/- 1 DUROMETER
42	34MM-590500	34MM SINGLE STRUT	POLYAMIDE
43	CW-998	BULB GASKET	FOAM-TITE
44	FG-3146	SILL SETTING BLOCK	EPDM DUROMETER 85 +/- 5

FL39097.1



BILL OF MATERIALS			
ITEM	PART	DESCRIPTION	MATERIAL
45	-	BACKER ROD & SPECTRUM I SILICONE SEALANT OR EQUIVALENT	-
46	UW-463	HORIZONTAL SETTING BLOCK	SILICONE DUROMETER 85 +/- 5
46A	CW-552	HORIZONTAL SETTING BLOCK	EPDM DUROMETER 85 +/- 5
47	-	TREMCO PROGLAZED SSG OR DOWSIL 995	SILICONE
48	TWW-3 I I	PVC END DAM SILL	PVC
49	FS-327	#12-14 X 7/8 HWH	STEEL
50	FS-262	1/4"-20 X 1/2" SSMS	STEEL
51	FS-36	1/4"-20 X 3/4" HH CAP BOLT	STEEL
52	FSN-37	1/4"-20 HEX NUT	STEEL
53	FSW-65	1/4" LOCK WASHER	STEEL
54	FS-8	#14 X 1" HH B POINT	STEEL
55	FWW-104-01	WATER DIVERTER	VINYL
56	FS-102	#10 X 2" SS FHSTS	STEEL
57	FS-42	#12-14 X 1/2" PFH UC @ 2" FROM END & 12" O.C.	SS STEEL
58	TWW-314	JOINT PLUG	EPDM
59	-	SPECTRUM I SILICONE SEALANT OR EQUIVALENT	SILICONE

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