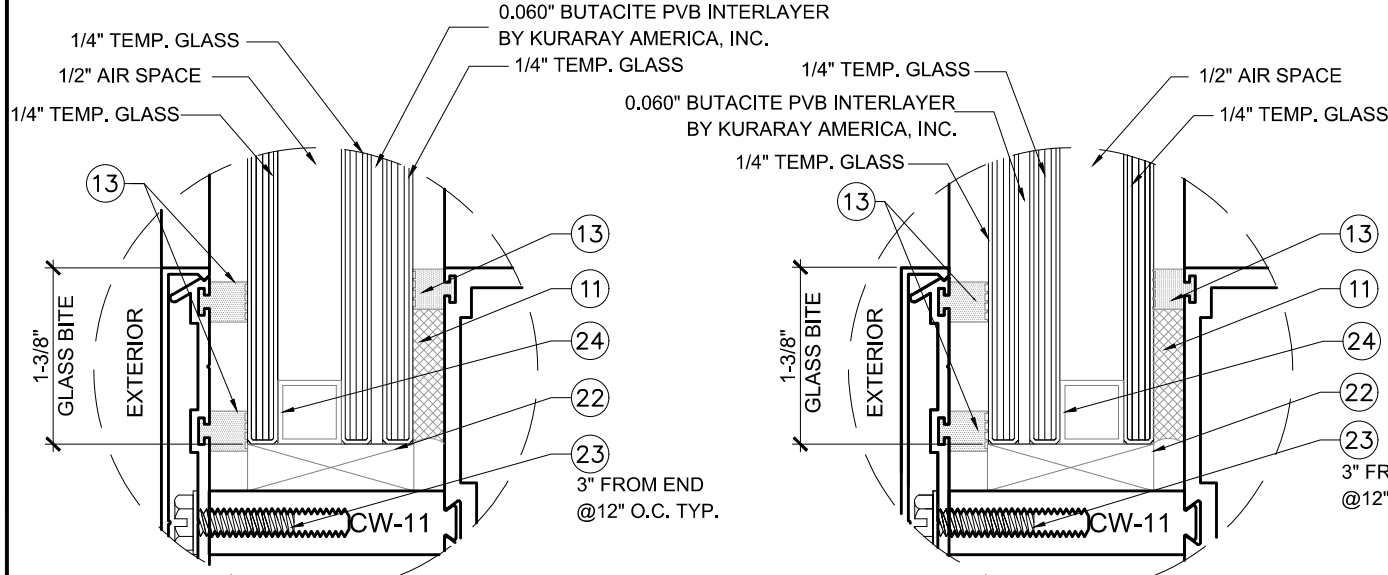
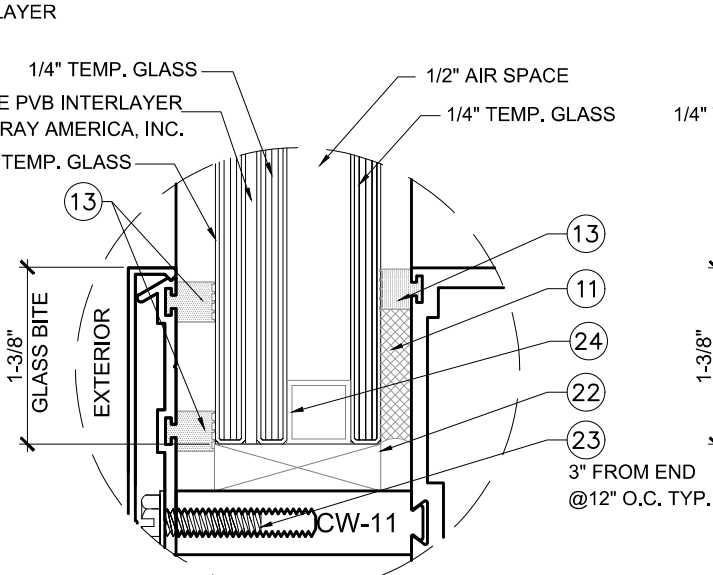


CONTINENTAL GLASS SYSTEMS, LLC.
SERIES CW100 WINDOW WALL W/ REINFORCEMENT
SMALL MISSILE IMPACT (SMI)



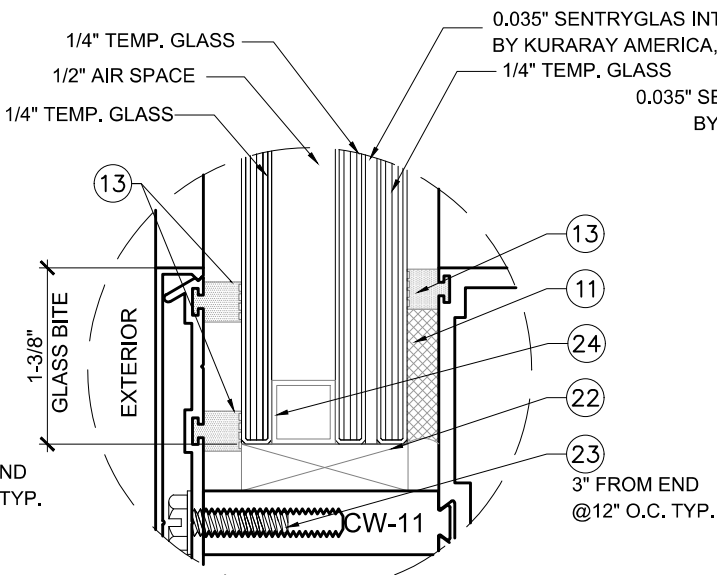
GLASS TYPE "G2"

1-5/16" NOMINAL OVERALL
INSULATED LAMINATED GLASS



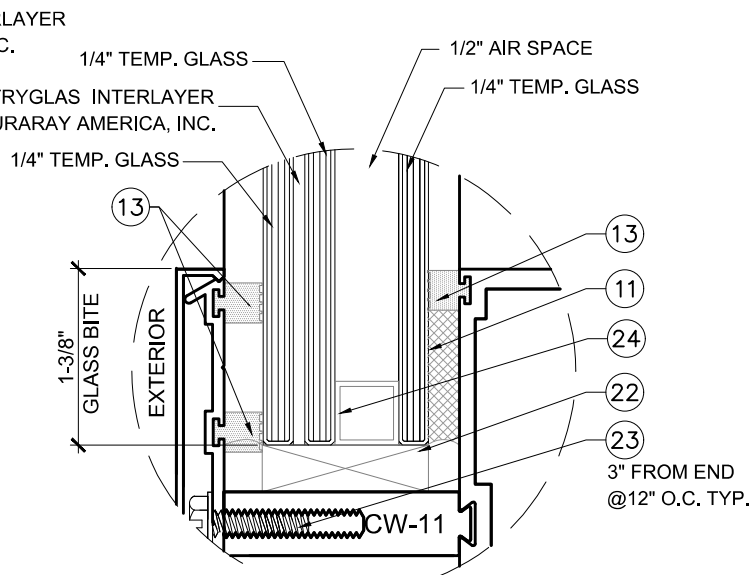
GLASS TYPE "G2a"

1-5/16" NOMINAL OVERALL
INSULATED LAMINATED GLASS



GLASS TYPE "G3"

1-5/16" NOMINAL OVERALL
INSULATED LAMINATED GLASS



GLASS TYPE "G3a"

1-5/16" NOMINAL OVERALL
INSULATED LAMINATED GLASS

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 7TH EDITION FLORIDA BUILDING CODE (2020) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- WINDOW WALL RATED FOR SMALL MISSILE IMPACT.
IMPACT SHUTTERS ARE NOT REQUIRED FOR ELEVATIONS ABOVE 30'-0" FROM GRADE.
IMPACT SHUTTERS ARE REQUIRED FOR ELEVATIONS BELOW 30'-0" FROM GRADE.
- THIS WINDOW WALL IS APPROVED FOR AIR AND WATER INFILTRATION.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 7TH EDITION FLORIDA BUILDING CODE (2020) SECTION AS APPLICABLE.
- METAL STRUCTURES NOT BY CONTINENTAL GLASS SYSTEMS, LLC.
DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.
- ULTIMATE LOAD OBTAINED FROM ASCE 7-16, 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.

-TYPICAL ANCHORS: (SEE ELEVATIONS FOR SPACING)

TYPE 'A' -- 3/8" DIA. WEDGE BOLTS BY 'POWERS' (Fu=100 KSI, Fy=65 KSI)
DIRECTLY INTO $f_c' = 4$ KSI CONCRETE
3-1/2" MIN. EMBED.
3-1/2" MIN. EDGE DISTANCE

TYPE 'B' -- 5/16" DIA. SELF DRILLING SCREWS (GRADE 5 CRS) (Fu=120 KSI, Fy=92 KSI)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS (1/8" THK. MIN.)
INTO METAL STRUCTURES
STEEL: 1/8" THK. MIN. (A36 MIN.)
ALUMINUM: 1/8" THK. MIN. (6063-T6 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
1" MIN. EDGE DISTANCE

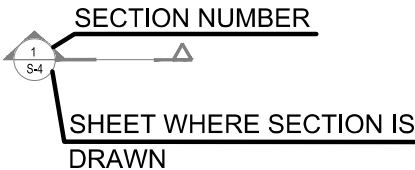
-SEALANTS:

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH SILICONE SEALANT.

NOTE:
GLASS COMPLIES WITH ASTM E1300-09 (3 SEC. GUSTS).

ABBREVIATIONS AND SYMBOLS

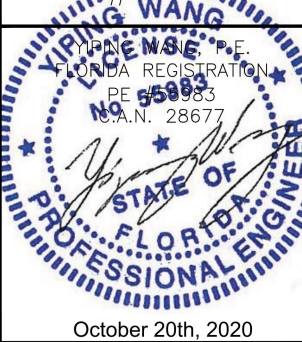
D.L.O.- DAYLITE OPENING
F.H. - FRAME HEIGHT
F.W. - FRAME WIDTH
W - WITH
WO - WITHOUT
O.C - ON CENTER
CL - CENTER LINE



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.

FL #18505.1



REVISIONS	
NO	DATE

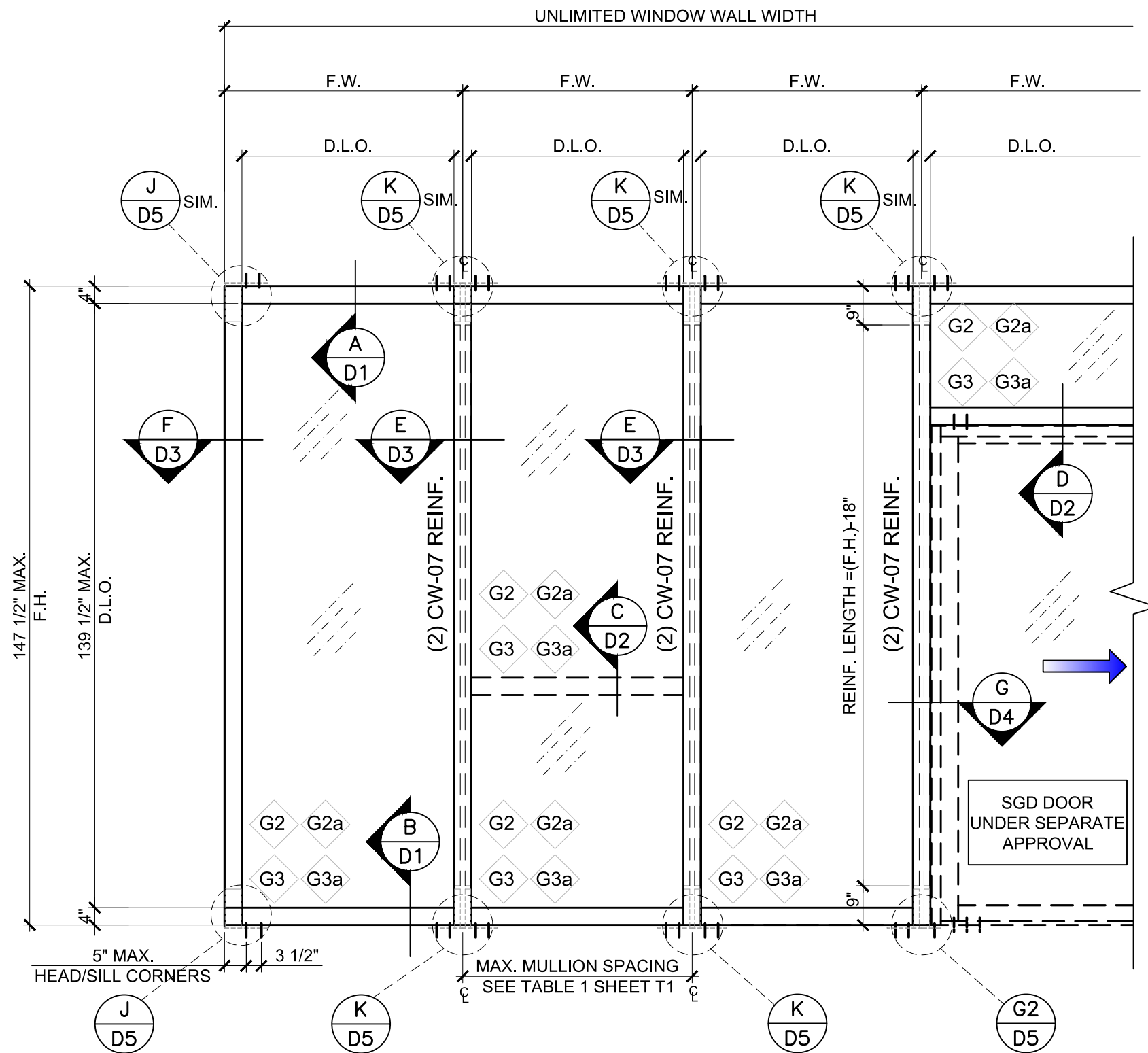
MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PKWY. STE. 301 P: 305.271.0117
MIRAMAR, FL 33027 P: 786.360.2786
www.MCYEngineering.com MCY@MCYENGINEERING.COM

SERIES CW100 WINDOW WALL— SMI
CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE HIALEAH, FL 33014
TEL (305) 231-1101 FAX (305) 231-1103

COVER

DATE	10/12/2020
SCALE	AS SHOWN
DRAWN	T.G.
PROJECT	15-099

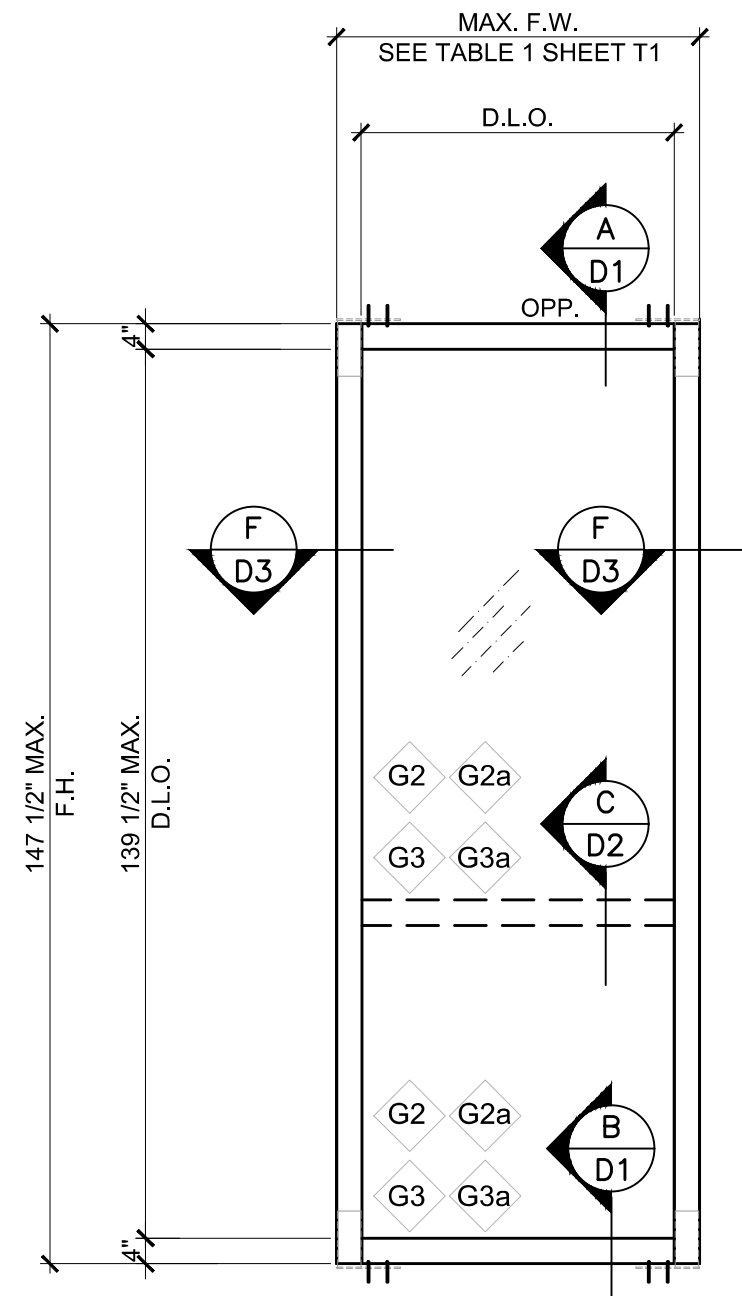
DRAWING NO.
AD15-56



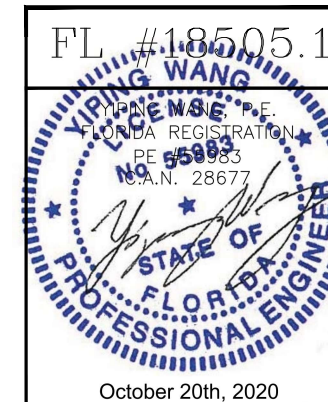
TYPICAL EXTERIOR ELEVATION
MULTI PANELS

SEE TABLE 1 ON SHEET 3 OF 11 FOR TYPICAL MULLION OR JAMB SIZE & CAPACITIES.

SEE TABLE 2 ON SHEET 3 OF 11 FOR DOOR JAMB MULLION CAPACITIES.



TYPICAL EXTERIOR ELEVATION
SINGLE PANEL



REVISIONS	NO.	DATE	DESCRIPTION

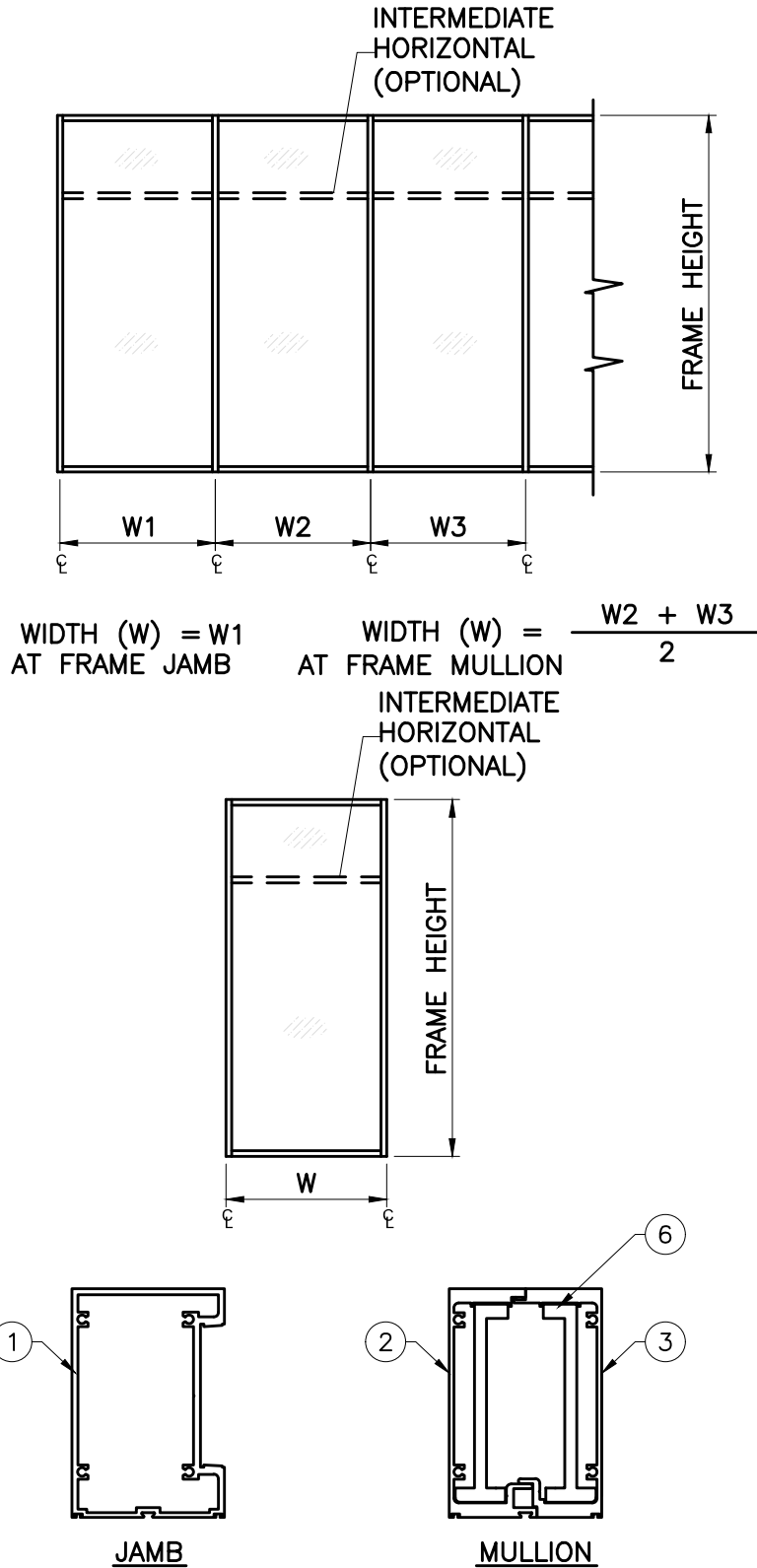
MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PKWY. STE. 301 P: 305.271.0117
MIRAMAR, FL 33027 P: 786.360.2786
www.MCYEngineering.com MCY@MCYENGINEERING.COM

SERIES CW100 WINDOW WALL— SMI
CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE HIALEAH, FL 33014
TEL (305) 231-1101 FAX (305) 231-1103

E1
DATE 10/12/2020
SCALE AS SHOWN
DRAWN T.G.
PROJECT 15-099
DRAWING NO. AD15-56
2 OF 11

TABLE 1

MULLION & JAMB LOAD CAPACITY - PSF EXT.(+) & INT.(-)			
NOMINAL DIMS.		MULLION	JAMB
WIDTH (W)	FRAME HEIGHT	W/WO HORIZ.	W/WO HORIZ.
48"	96"	126	126
54"		126	126
60"		126	126
66"		126	126
72"		126	126
48"	102"	126	126
54"		126	126
60"		126	126
66"		126	126
72"		126	126
48"	108"	126	126
54"		126	126
60"		126	126
66"		126	126
72"		126	126
48"	114"	126	126
54"		126	126
60"		126	126
66"		126	126
69"		126	126
48"	120"	126	126
54"		126	126
60"		126	126
65"		126	126
65"		126	126
48"	126"	126	126
54"		126	126
60"		126	126
62"		126	126
62"		126	126
48"	132"	126	126
54"		126	126
59"		126	126
48"	138"	126	126
54"		126	126
57"		126	126
42"	144"	126	126
48"		126	126
54"		126	126
42"	147-1/2"	126	126
48"		126	126
53"	147-1/2"	126	126



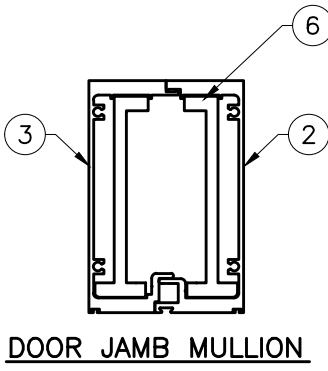
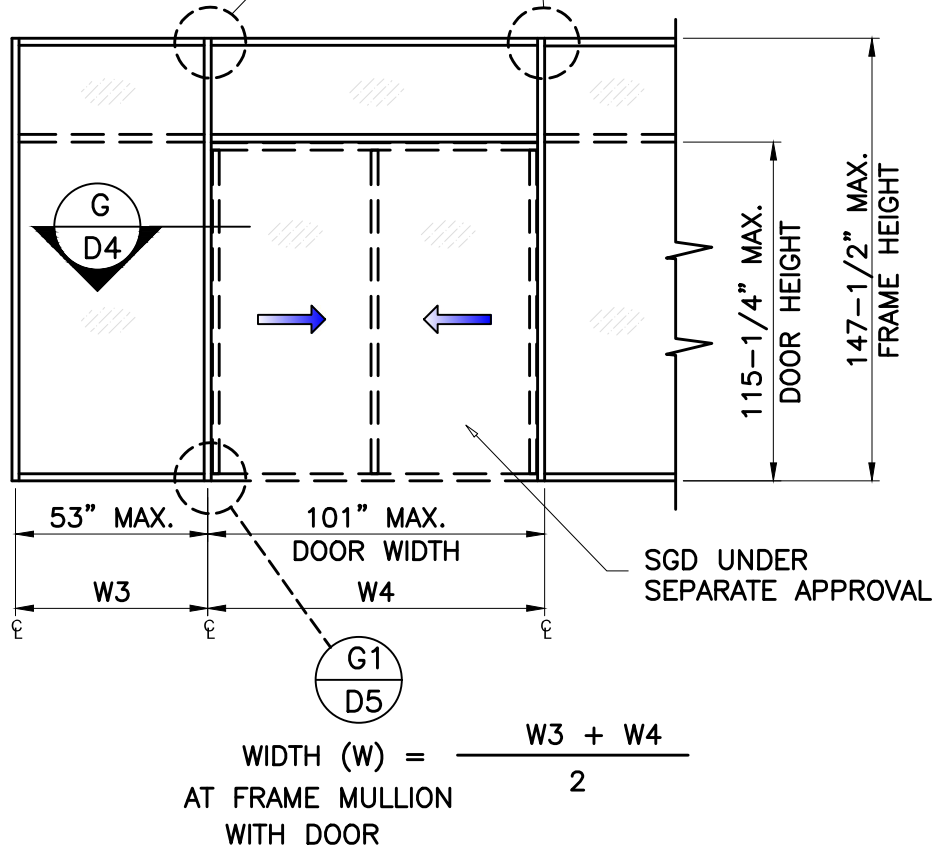
JAMB	Ix IN ⁴	Sx IN ³
ALUMINUM EXTRUSION		
CW01	17.1419	5.5665

MULLION	Ix IN ⁴	Sx IN ³
ALUMINUM EXTRUSIONS		
CW02	14.1306	4.4590
CW03	14.0651	4.6545
ALUMINUM REINF.		
CW07	6.9415	2.5075
(2)CW07	13.883	5.0150
TOTAL(IN ALUM.)	42.0787	13.2782

TABLE 2

DOOR JAMB MULLION CAPACITY	
ANCHOR TYPE	MAX. DESIGN LOAD
A	105.75 PSF
B	126 PSF

FOR ANCHOR TYPES, SEE SHEET 1 OF 11.



FL #18505.1

YIPING WANG

PROFESSIONAL ENGINEER

October 20th, 2020

REVISIONS	DESCRIPTION
NO.	DATE

MCY ENGINEERING, INC.

GLAZING CONSULTANTS

12781 MIRAMAR PKWY. STE. 301 P: 305.271.0117

MIRAMAR, FL 33027 P: 786.360.2786

www.MCYEngineering.com MCY@MCYENGINEERING.COM

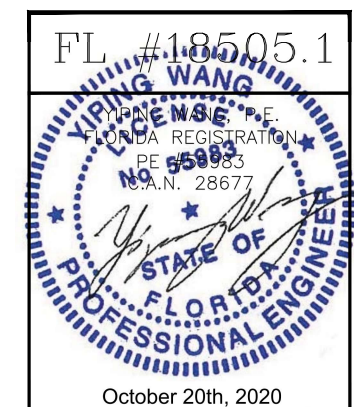
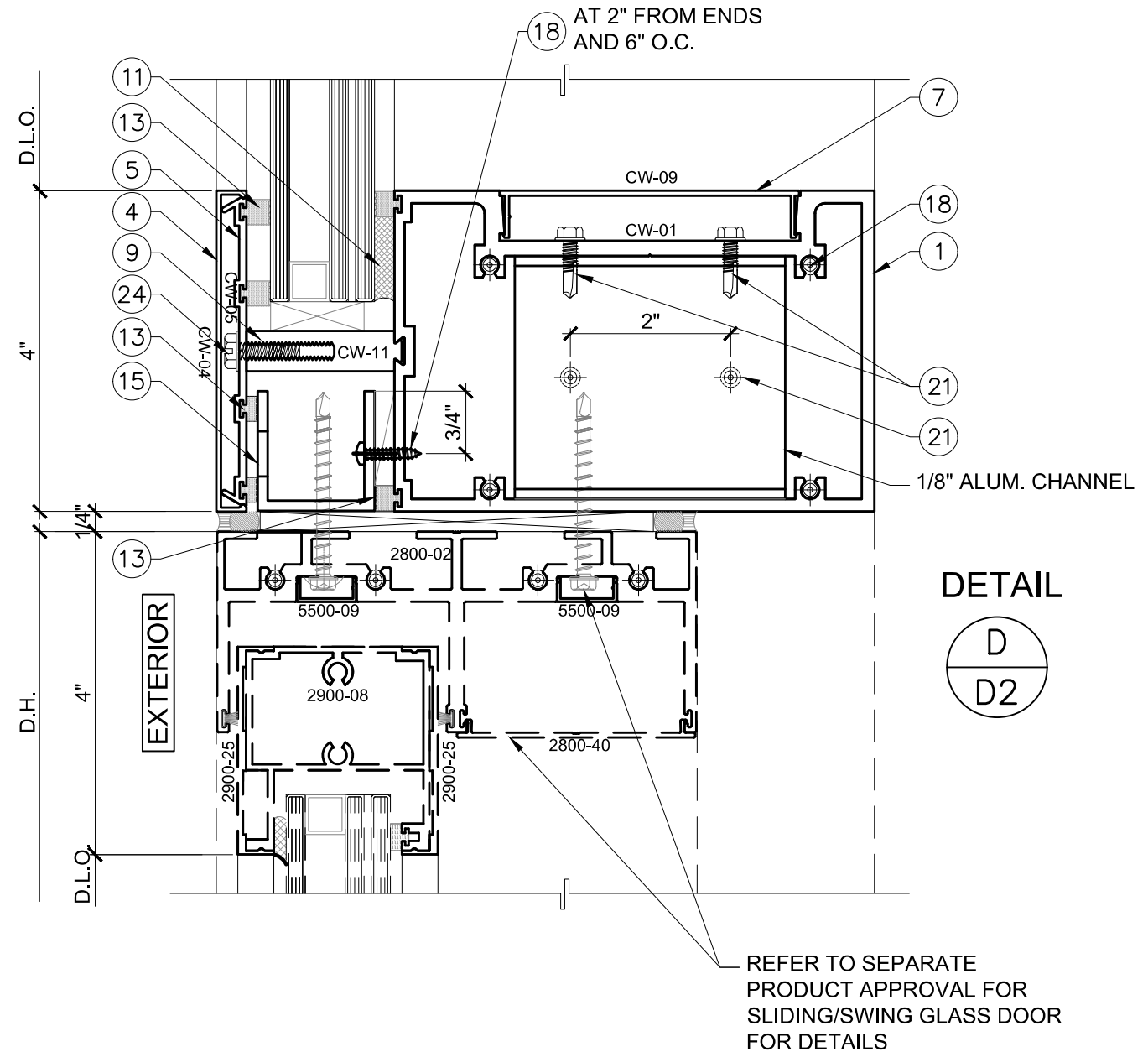
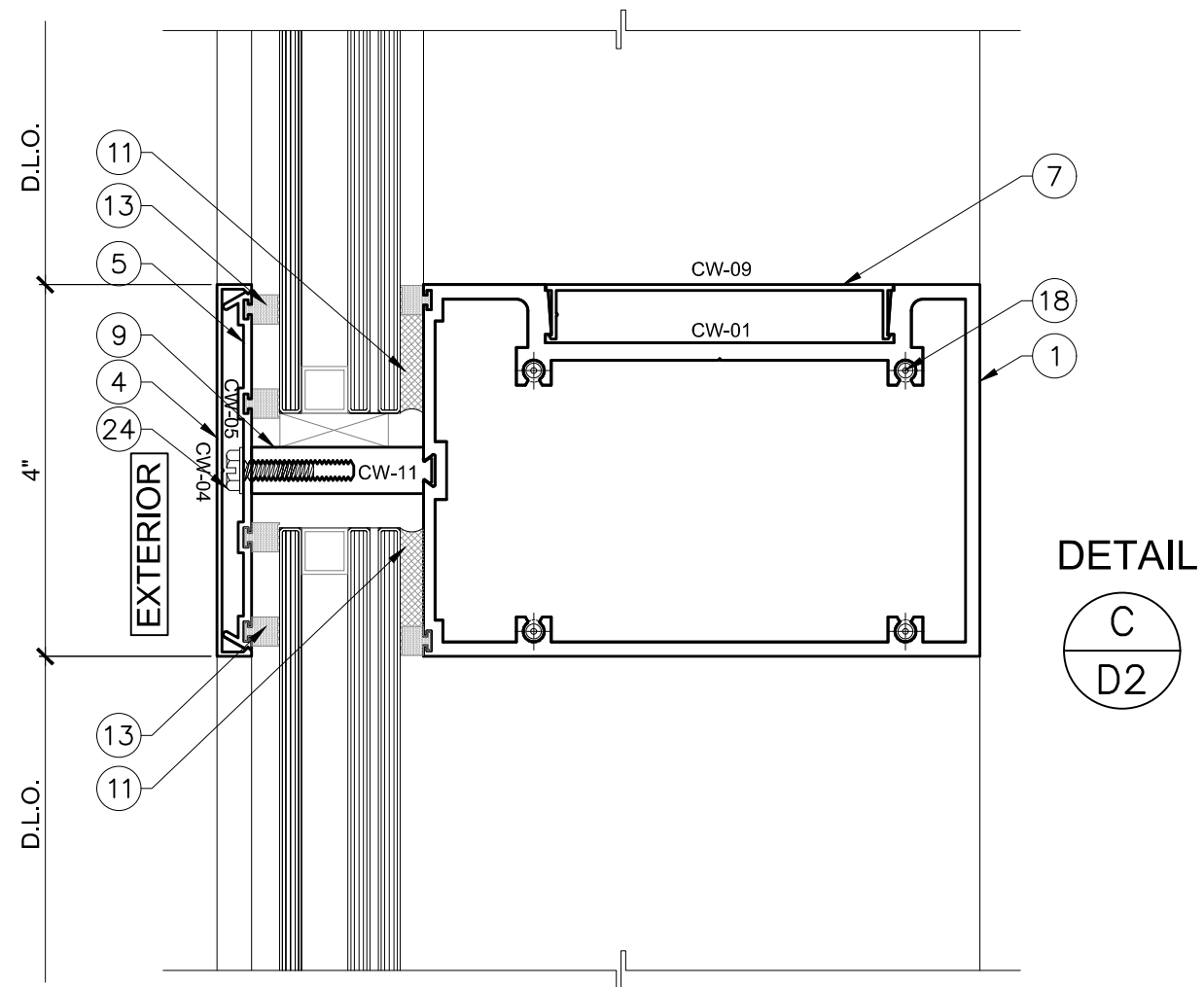
SERIES CW100 WINDOW WALL - SMI

CONTINENTAL GLASS SYSTEMS, LLC.

325 WEST 74 PLACE HIALEAH, FL 33014

TEL (305) 231-1101 FAX (305) 231-1103

T1	
DATE	10/12/2020
SCALE	AS SHOWN
DRAWN	T.G.
PROJECT	15-099
DRAWING NO.	
AD15-56	
3 OF 11	

[illegible]

MCY ENGINEERING, INC.

GLAZING CONSULTANTS

12781 MIRAMAR PKWY. STE. 301 P: 305.271.0117
MIRAMAR, FL 33027 P: 786.360.2786

www.MCYEngineering.com
MCY@MCYENGINEERING.COM

SERIES CW100 WINDOW WALL- SMI

CONTINENTAL GLASS SYSTEMS, LLC.
305 WEST 74TH AVE WALKER, IL 60044

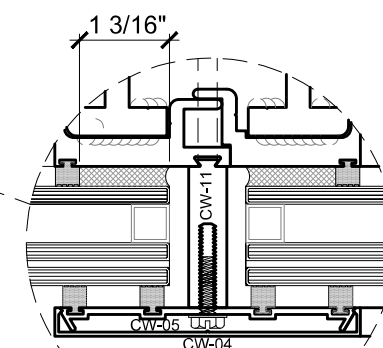
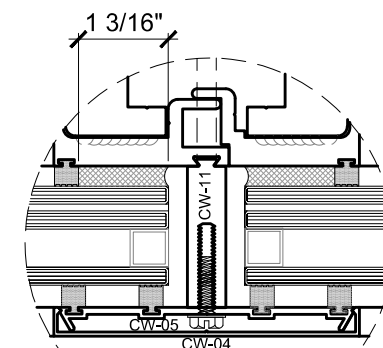
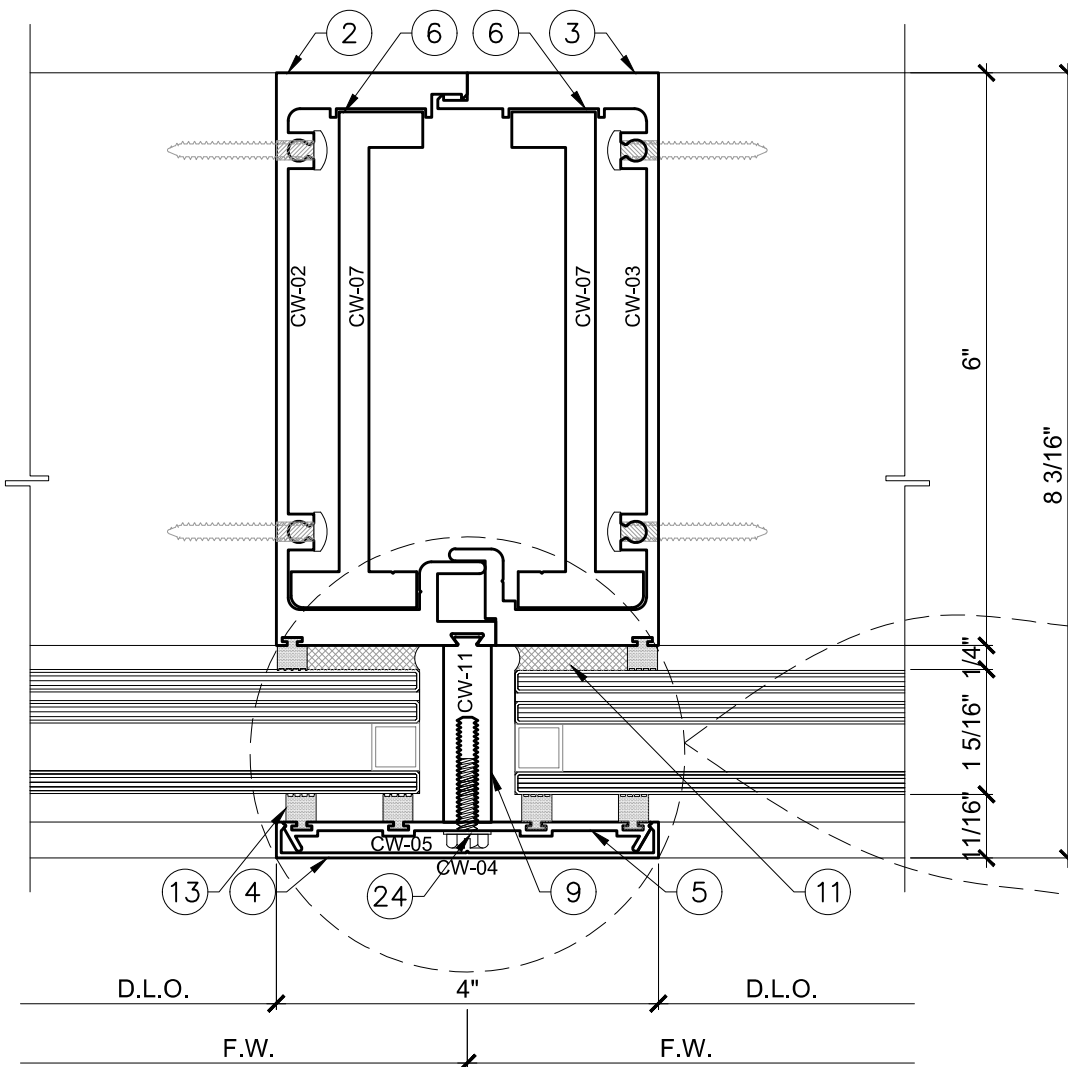
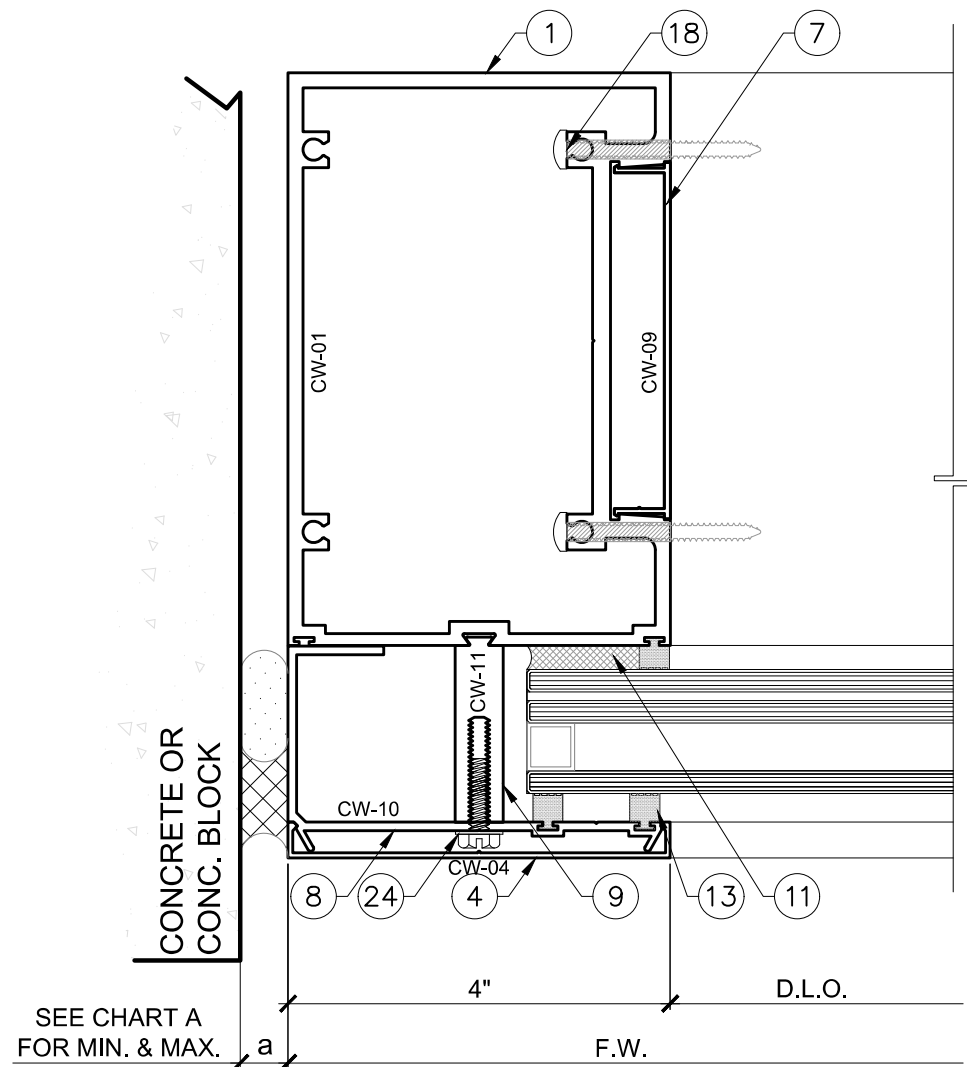
325 WEST 74 PLACE HIALEAH, FL 33014
TEL (305) 231-1101 FAX (305) 231-1103

D2

DATE	10/12/2020
SCALE	AS SHOWN
DRAWN	T.G.
PROJECT	15-099

DRAWING NO.
AD15-56

5 OF 11

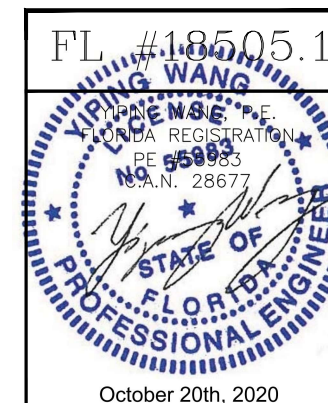


W/ GLASS OPTIONS, TYPICAL

CHART A		
FRAME HEIGHT	SILICONE GAP, a	
	MIN.	MAX.
≤ 108"	3/8"	1-1/2"
114"	3/8"	1-1/2"
120"	1/2"	1-1/2"
126"	1/2"	1-1/2"
132"	1/2"	1-1/2"
138"	1/2"	1-1/2"
144"	1/2"	1-1/2"
147-1/2"	1/2"	1-1/2"

F
D3

E
D3



REVISIONS	
NO	DATE

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

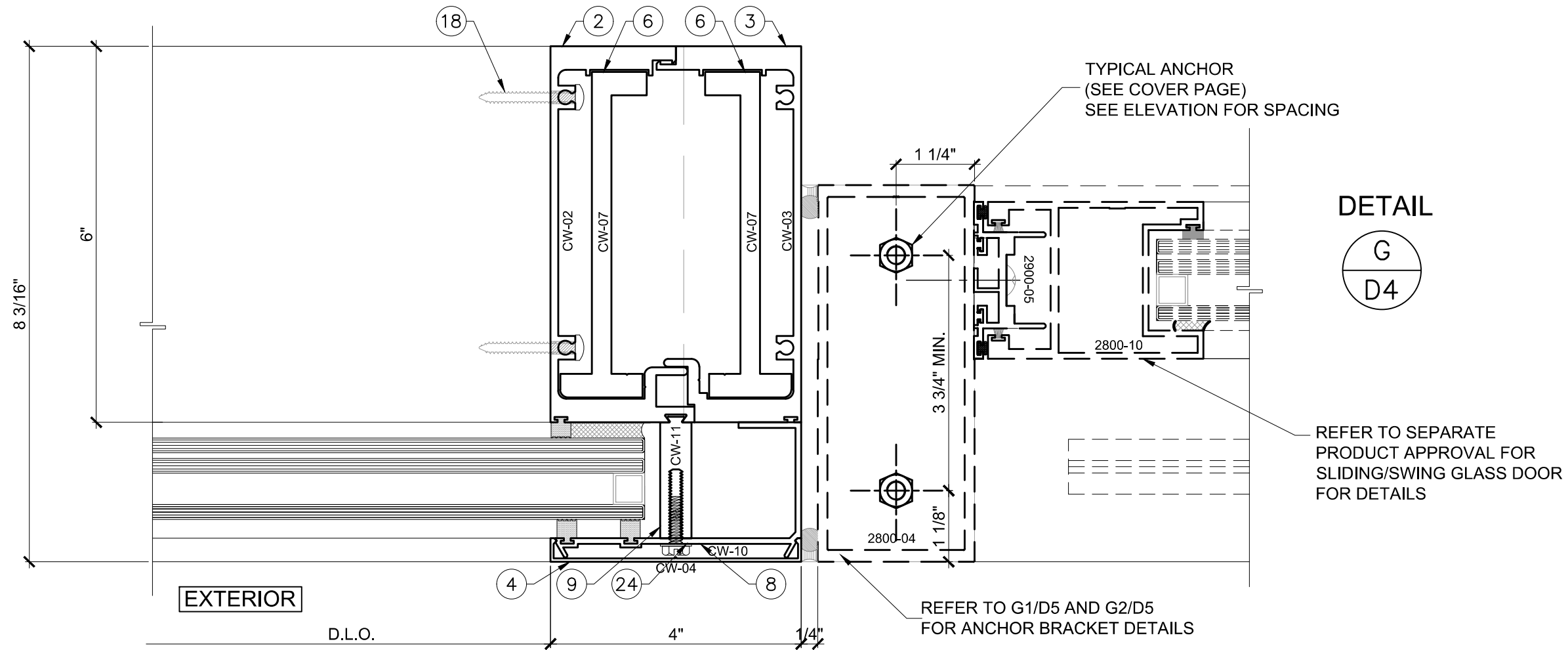
12781 MIRAMAR PKWY. STE. 301 P: 305.271.0117
MIRAMAR, FL 33027 P: 786.360.2786

www.MCYEngineering.com MCY@MCYENGINEERING.COM

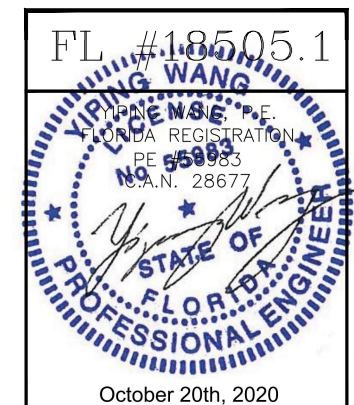
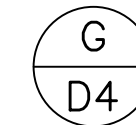
SERIES CW100 WINDOW WALL— SMI

CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE HIALEAH, FL 33014
TEL (305) 231-1101 FAX (305) 231-1103

D3	
DATE	10/12/2020
SCALE	AS SHOWN
DRAWN	T.G.
PROJECT	15-099
DRAWING NO. AD15-56	
6 OF 11	



DETAIL



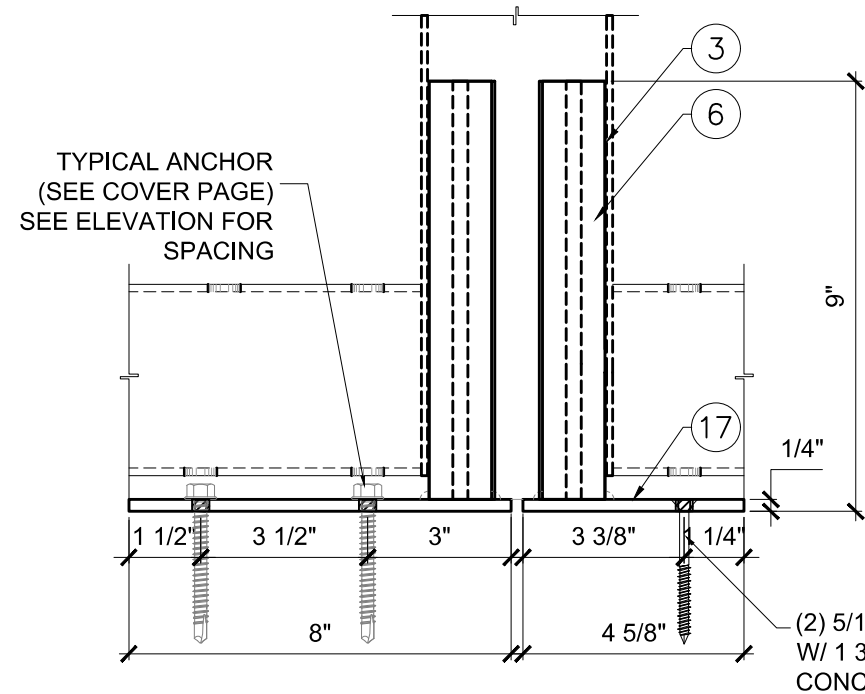
SERIES CW100 WINDOW WALL— SMI

CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE HIALEAH, FL 33014
TEL (305) 231-1101 FAX (305) 231-1103

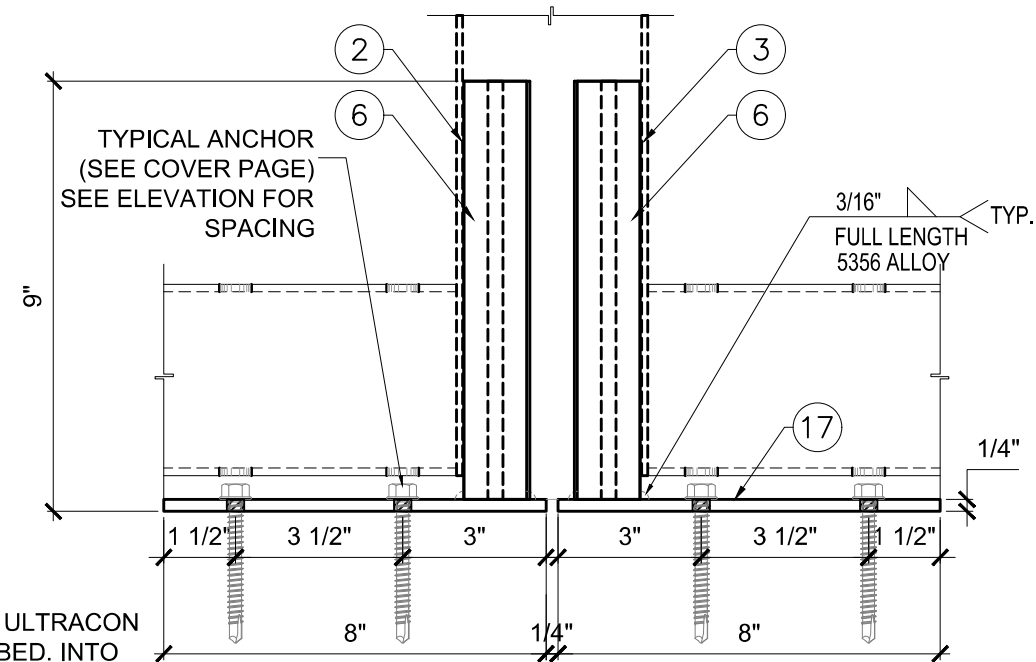
MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PKWY. STE. 301 P: 305.271.0117
MIRAMAR, FL 33027 P: 786.360.2786
www.MCYEngineering.com MCY@MCYENGINEERING.COM

REVISIONS	
NO	DATE

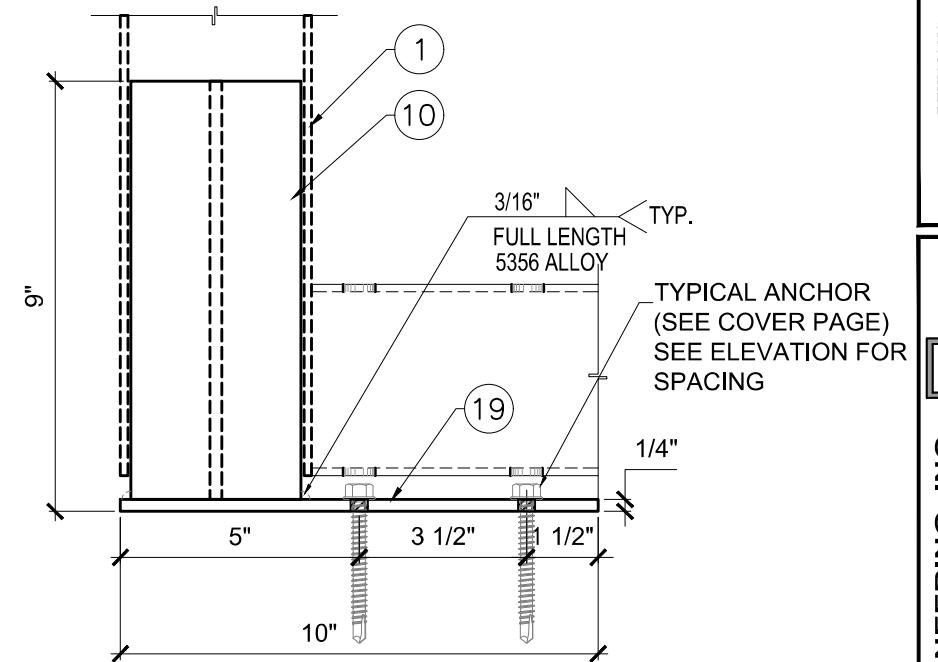
D4	
DATE	10/12/2020
SCALE	AS SHOWN
DRAWN	T.G.
PROJECT	15-099
DRAWING NO. AD15-56	
7 OF 11	



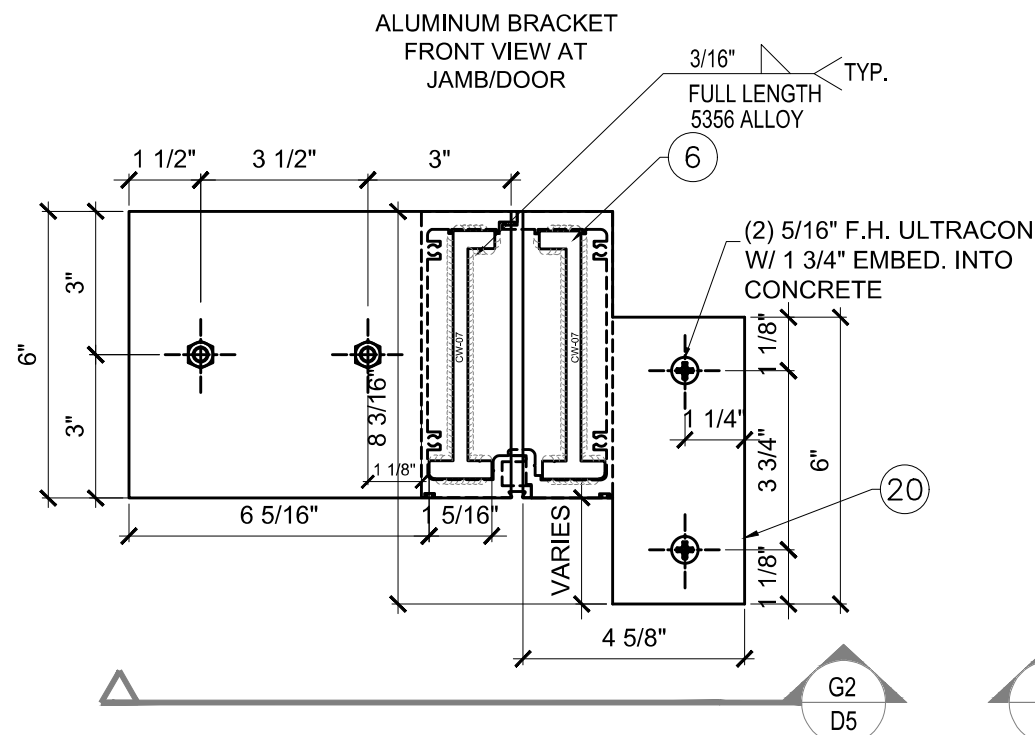
DETAIL
G2
D5
BOTTOM & TOP



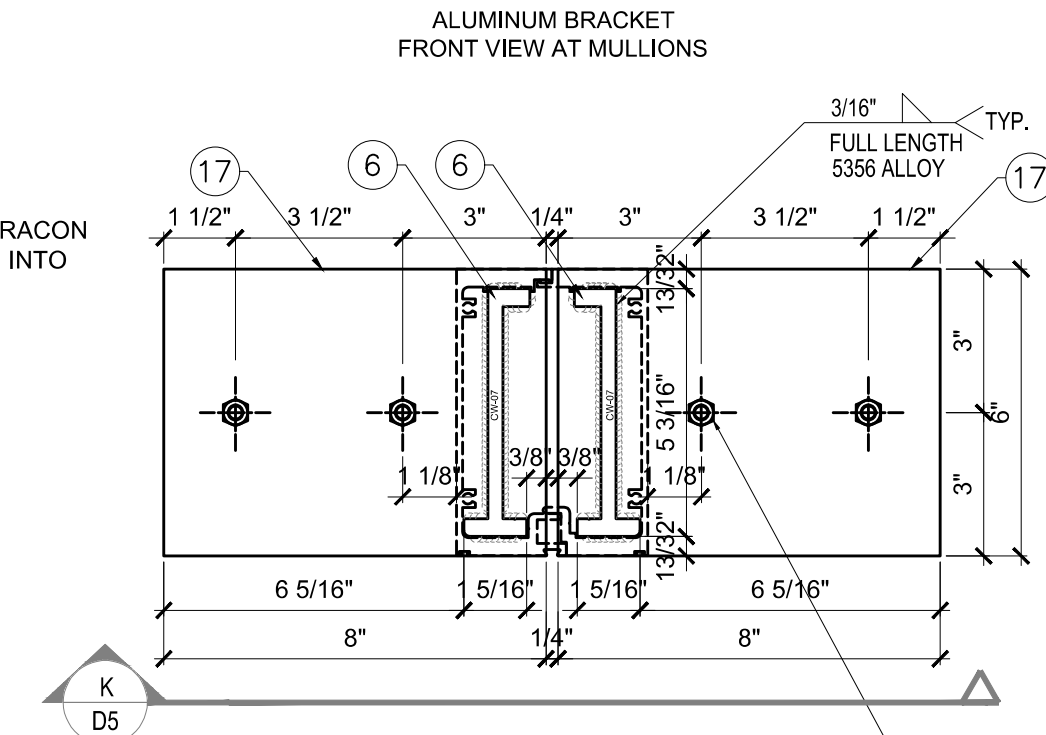
DETAIL
K
D5
BOTTOM & TOP



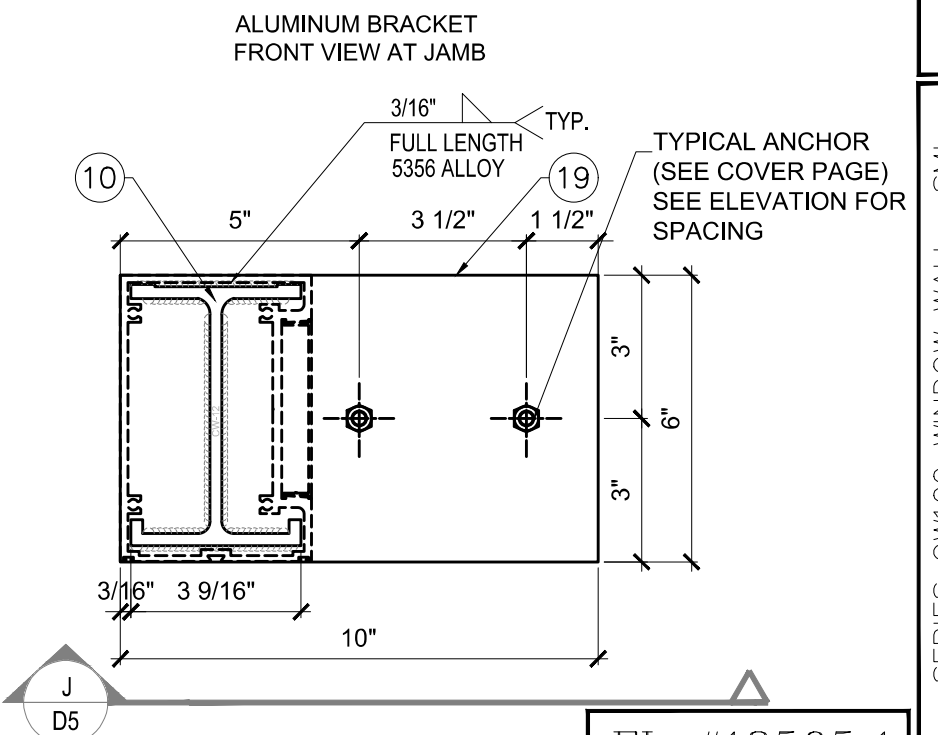
DETAIL
J
D5
BOTTOM & TOP



DETAIL
G1
D5
BOTTOM & TOP



DETAIL
H
D5
BOTTOM & TOP

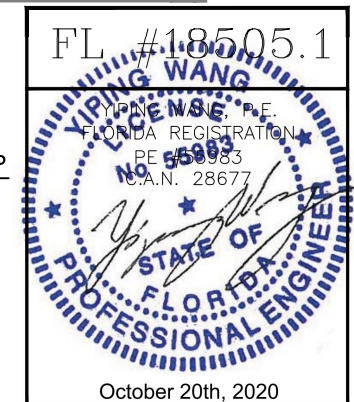


DETAIL
I
D5
BOTTOM & TOP

ALUMINUM BRACKET
TOP VIEW AT
JAMB/DOOR

ALUMINUM BRACKETS
TOP VIEW AT MULLIONS

ALUMINUM BRACKET
TOP VIEW AT JAMB

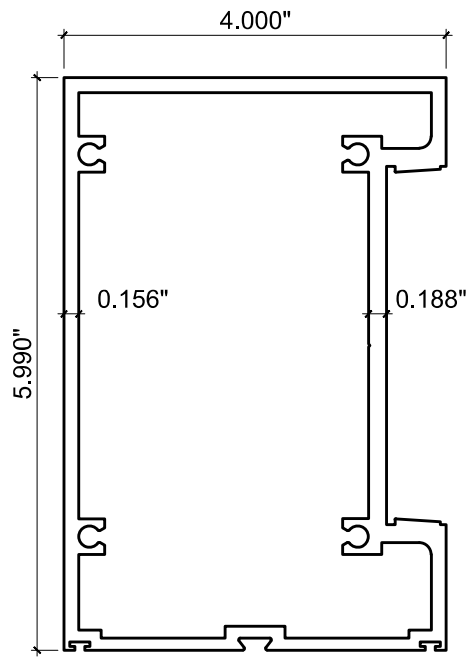


REVISIONS	DESCRIPTION
NO	DATE

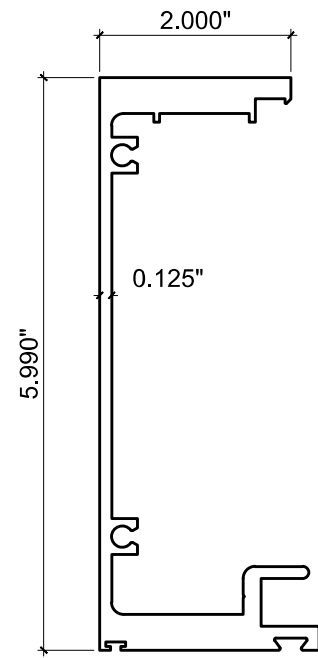
MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PKWY. STE. 301 P: 305.271.0117
MIRAMAR, FL 33027 P: 786.360.2786
www.MCYEngineering.com MCY@MCYENGINEERING.COM

SERIES CW100 WINDOW WALL - SMI
CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE HIALEAH, FL 33014
TEL (305) 231-1101 FAX (305) 231-1103

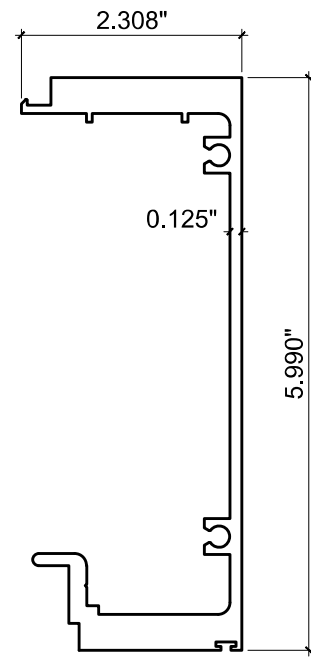
D5
DATE 10/12/2020
SCALE AS SHOWN
DRAWN T.G.
PROJECT 15-099
DRAWING NO. AD15-56
8 OF 11



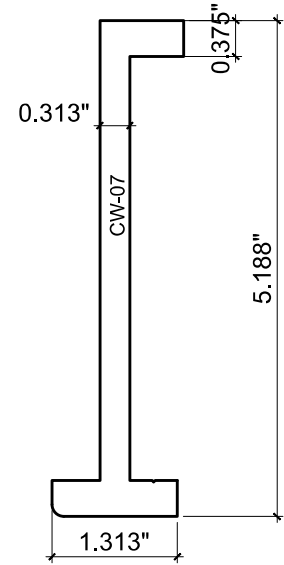
1 HEAD/SILL/JAMB/INTERMEDIATE
CW-01 6005A-T61 / 6005-T5



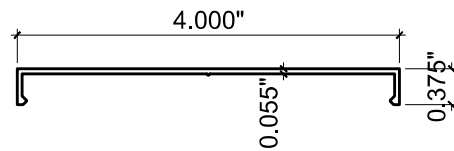
2 FEMALE MULLION
CW-02 6005A-T61 / 6005-T5



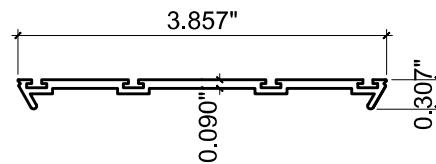
3 MALE MULLION
CW-03 6005A-T61 / 6005-T5



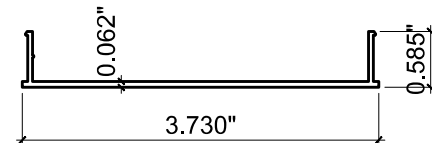
6 REINFORCEMENT
CW-07 6005A-T61 / 6005-T5



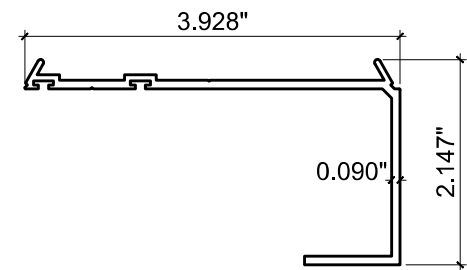
4 JAMB / MULLION COVER
CW-04 6005A-T61 / 6005-T5



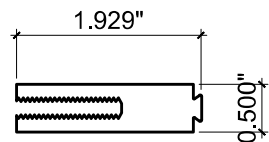
5 PRESSURE BAR
CW-05 6005A-T61 / 6005-T5



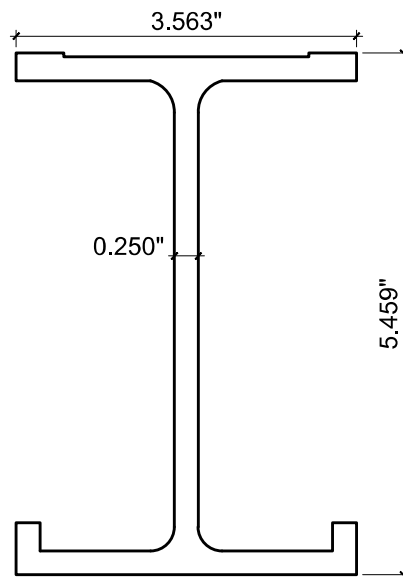
7 HEAD & SILL COVER
CW-09 6063-T6



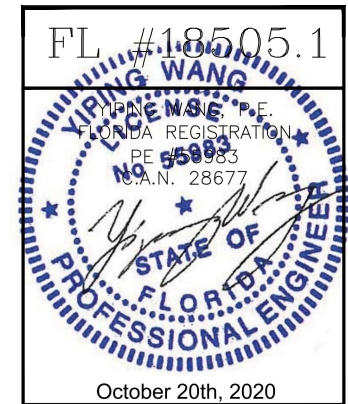
8 PRESSURE COVER
CW-10 6005A-T61 / 6005-T5



9 PRESSURE PLATE SUPPORT
CW-11 6005A-T61 / 6005-T5



10 JAMB ANCHOR BRACKET
CW-12 6005A-T61 / 6005-T5



REVISIONS	
NO	DATE

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PKWY. STE. 301 P: 305.271.0117
MIRAMAR, FL 33027 P: 786.360.2786
www.MCYEngineering.com MCY@MCYENGINEERING.COM

SERIES CW100 WINDOW WALL— SMI
CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE HIALEAH, FL 33014
TEL (305) 231-1101 FAX (305) 231-1103

EXTRUSIONS	
DATE	10/12/2020
SCALE	AS SHOWN
DRAWN	T.G.
PROJECT	15-099
DRAWING NO. AD15-56	
9 OF 11	

BILL OF MATERIALS				
ITEM #	PROFILE	DESCRIPTION	MATERIAL	MANUFACTURER/REMARKS
1	CW-01	HEAD/SILL/JAMB/INTERMEDIATE	ALUM. 6005A-T61/6005-T5	-
2	CW-02	FEMALE MULLION	ALUM. 6005A-T61/6005-T5	-
3	CW-03	MALE MULLION	ALUM. 6005A-T61/6005-T5	-
4	CW-04	JAMB / MULLION COVER	ALUM. 6005A-T61/6005-T5	-
5	CW-05	PRESSURE BAR	ALUM. 6005A-T61/6005-T5	-
6	CW-07	REINFORCEMENT	ALUM. 6005A-T61/6005-T5	REINF. LENGTH =(F.H.)-18"
7	CW-09	HEAD & SILL COVER	ALUM. 6005A-T61/6005-T5	-
8	CW-10	PRESSURE COVER	ALUM. 6005A-T61/6005-T5	-
9	CW-11	PRESSURE PLATE SUPPORT	ALUM. 6063-T6	-
10	CW-12	JAMB ANCHOR BRACKET	ALUM. 6005A-T61/6005-T5	-
11	-	STRUCTURAL SEALANT DC983 OR DC995	SILICONE	DOWSIL
12	-	DC795 CONT. PERIMETER SEALANT	SILICONE	DOWSIL
13	-	GASKET	POLYPROPYLENE / SANTOPRENE	-
14	-	DC790 CONT. PERIMETER SEALANT AND BACKER ROD	SILICONE	DOWSIL
15	-	1 1/2" X 1 1/2" X 1/8" THK. ALUMINUM CHANNEL, CONT.	ALUM. 6005A-T61/6005-T5	-
16	-	ALUMINUM BRACKET	ALUM. 6005A-T61/6005-T5	-
17	-	8" X 6" X 1/4" ALUM. PLATE	ALUM. 6005A-T61/6005-T5	-
18	-	#14 PH S.S. SMS, Fu=100 KSI, Fy=65 KSI	ST/ST	-
19	-	10" X 6" X 1/4" ALUM. PLATE	ALUM. 6005A-T61/6005-T5	-
20	-	1/4" ALUMINUM PLATE CUSTOM SHAPE SEE SHEETS D4 AND D5 FOR DETAILS	ALUM. 6005A-T61/6005-T5	-
21	-	#14 ST/ST SMS, Fu=100 KSI, Fy=65 KSI	ST/ST	-
22	-	SETTING BLOCK	RUBBER	DUROMETER 70-90, SHORE 'A' OR E.Q.
23	-	1/4-20 ST/ST SMS	ST/ST	-
24	-	GLASS SPACER	ALUMINUM	-

REVISIONS	
NO	DESCRIPTION

MCY

ENGINEERING, INC.

GLAZING CONSULTANTS

12781 MIRAMAR PKWY. STE.301 P: 305.271.0117
MIRAMAR, FL 33027 P: 786.360.2786
www.MCYEngineering.com MCY@MCYENGINEERING.COM

SERIES CW100 WINDOW WALL— SMI

CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE HIALEAH, FL 33014
TEL (305) 231-1101 FAX (305) 231-1103

BOM	
DATE	10/12/2020
SCALE	AS SHOWN
DRAWN	T.G.
PROJECT	15-099
DRAWING NO. AD15—56	
10 OF 11	

FL #18505.1

YIPING WANG

PE

FLORIDA REGISTRATION

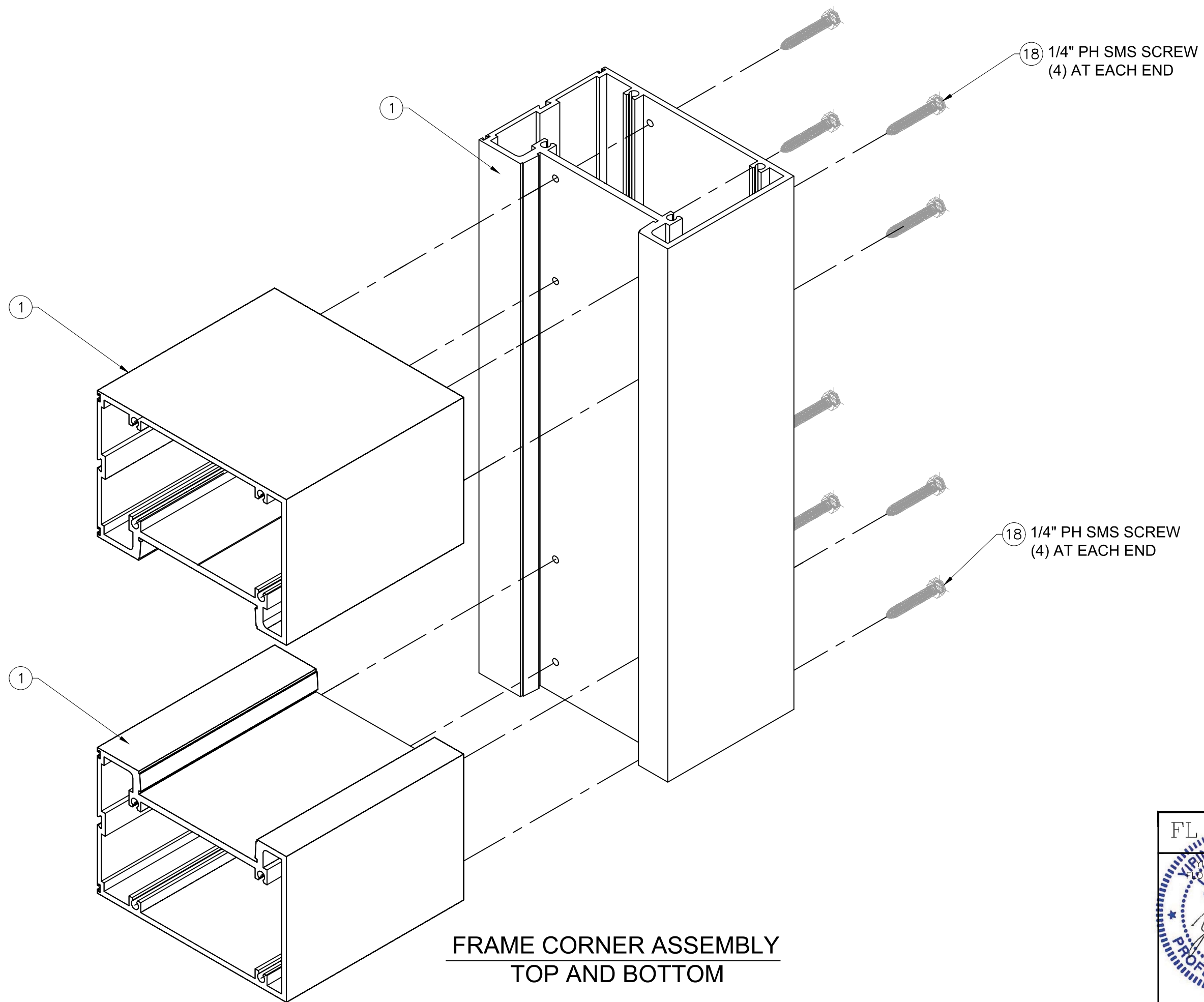
PE 55883

C.A.N. 28677

STATE OF FLORIDA

PROFESSIONAL ENGINEER

October 20th, 2020



FRAME CORNER ASSEMBLY
TOP AND BOTTOM

FL #18505.1

YIPING WANG

PE #55883

STATE OF FLORIDA

PROFESSIONAL ENGINEER

October 20th, 2020

REVISIONS	
NO	DATE

MCY

ENGINEERING, INC.

GLAZING CONSULTANTS

12781 MIRAMAR PKWY. STE. 301 P: 305.271.0117

MIRAMAR, FL 33027 P: 786.360.2786

www.MCYEngineering.com MCY@MCYENGINEERING.COM

SERIES CW100 WINDOW WALL— SMI

CONTINENTAL GLASS SYSTEMS, LLC.

325 WEST 74 PLACE HIALEAH, FL 33014

TEL (305) 231-1101 FAX (305) 231-1103

ISO	
DATE	10/12/2020
SCALE	AS SHOWN
DRAWN	T.G.
PROJECT	15-099
DRAWING NO.	
AD15-56	
11 OF 11	