

CONTINENTAL GLASS SYSTEMS, INC.
SERIES CG-01 ALUMINUM FIXED WINDOW
LARGE AND SMALL MISSILE IMPACT

FIXED WINDOW SYSTEM RATED FOR LARGE AND SMALL MISSILE IMPACT

GENERAL NOTES:

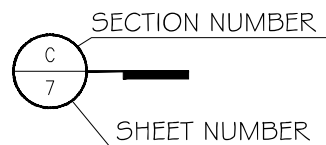
- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 7TH EDITION FLORIDA BUILDING CODE (2020) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- FIXED WINDOWS RATED FOR LARGE AND SMALL MISSILE IMPACT. UP TO 30 FT OF GRADE, LARGE MISSILE IMPACT SYSTEM TO BE USED. ABOVE 30 FT OF GRADE SMALL MISSILE IMPACT TO BE USED.
- THESE WINDOWS ARE 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 STRUCTURAL AND/ OR WOOD STRUCTURES SUBSTRATES BY OTHERS TO BE 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.

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: SEE GLASS OPTIONS ON SHEET 2 OF 8 (G1).
- STEP 3: TYPICAL ELEVATION SEE SHEET 3 OF 8 (E1). CHECK GLASS SIZE AND FRAME CAPACITY FOR A GIVEN WIDTH AND HEIGHT USING CHARTS ON SHEET E2. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4: USING CHART ON SHEET A1 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5: THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

ABBREVIATIONS AND SYMBOLS

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



- 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.

FLORIDA APPROVAL:

FL # 20214



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

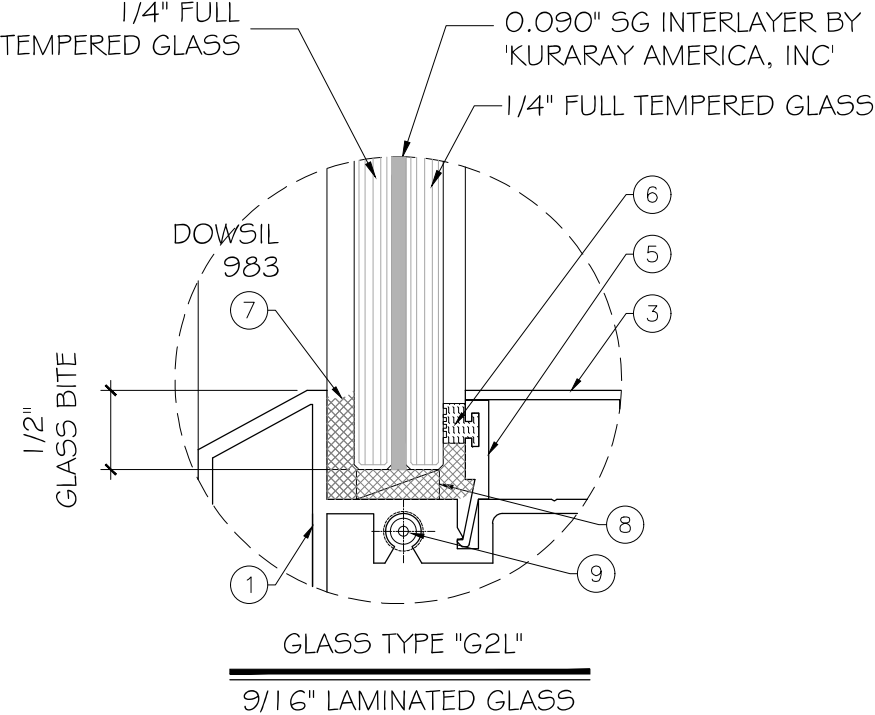
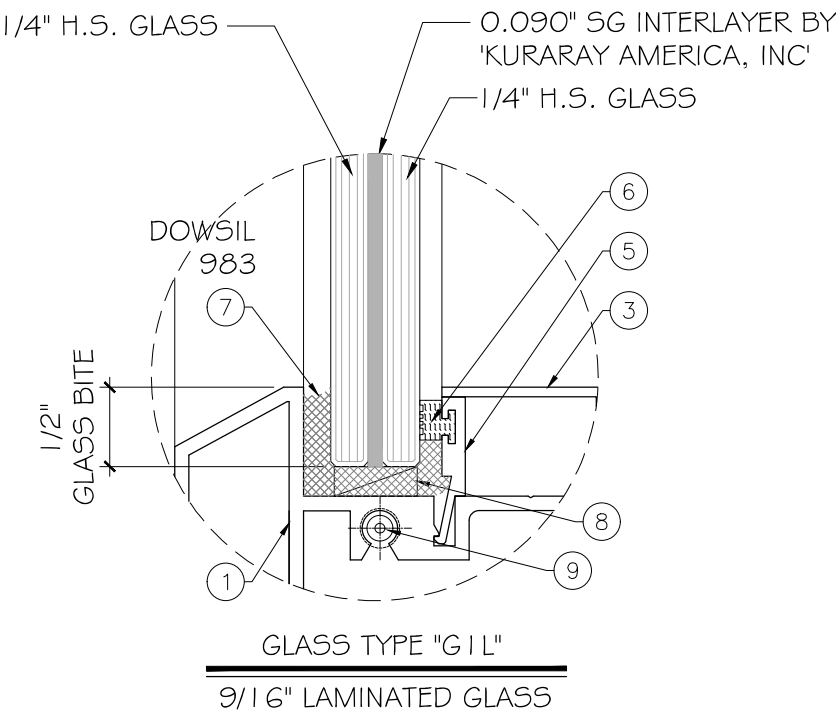
CG-01 ALUMINUM FIXED WINDOW SYSTEM (LMI & SMI)

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

UPDATE TO FBC 2020																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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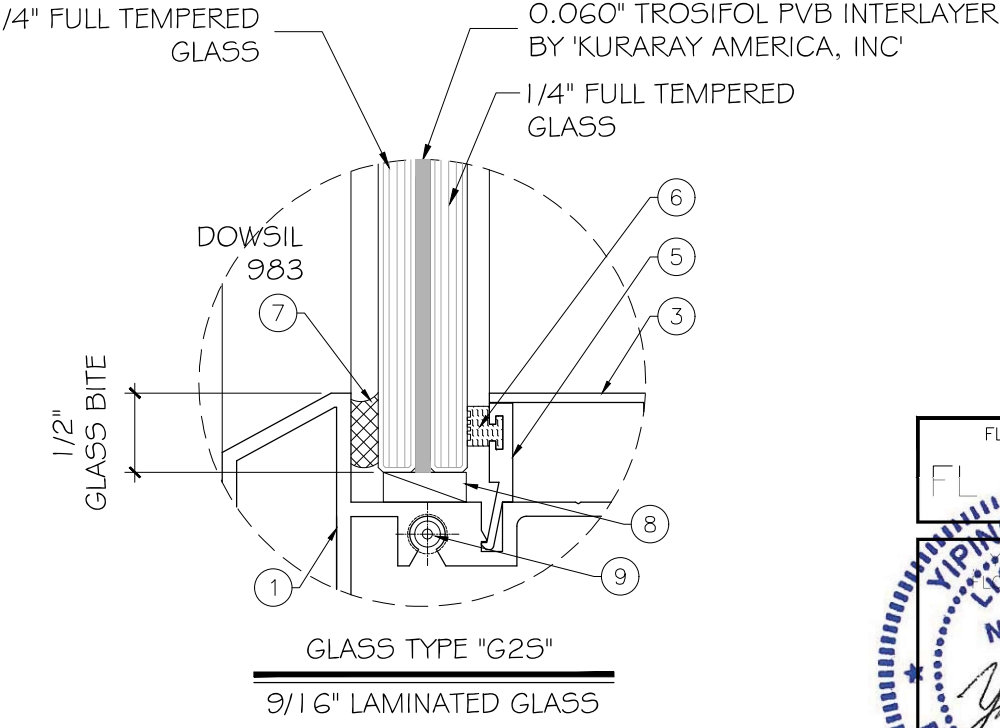
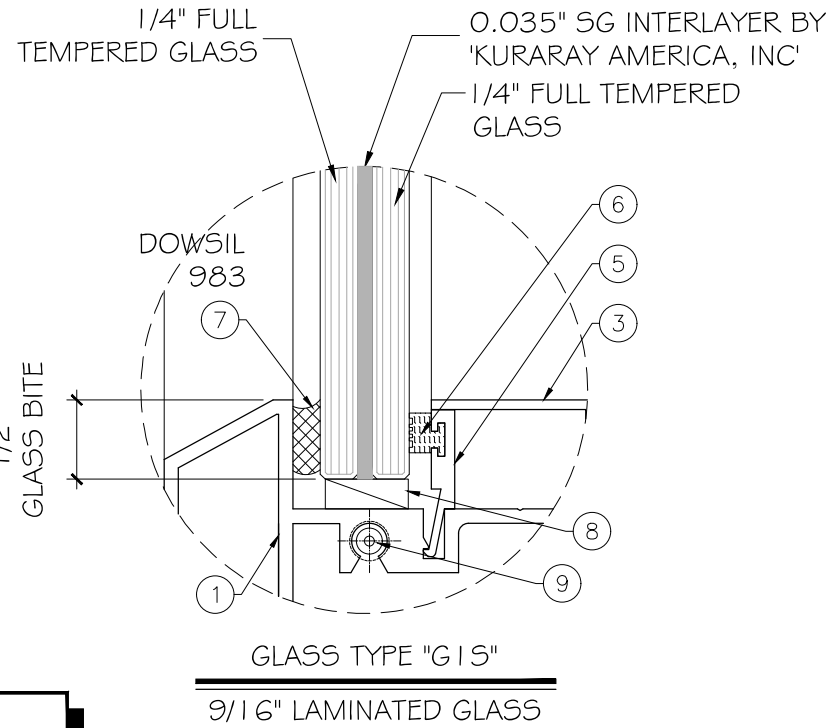
GLASS -L.M.I.

USE FOR UP TO 30 FT FROM GROUND.

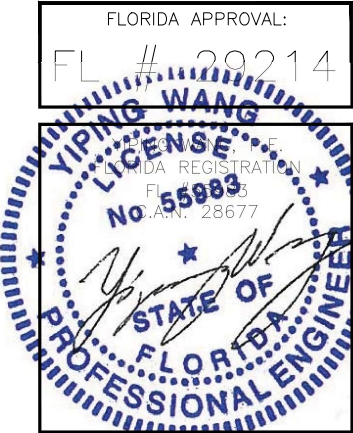


GLASS -S.M.I.

USE 30FT ABOVE GROUND LEVEL.



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



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Rev. No.	Date	Drawn By	Description
1	10/14/2020		

UPDATE TO FBC 2020

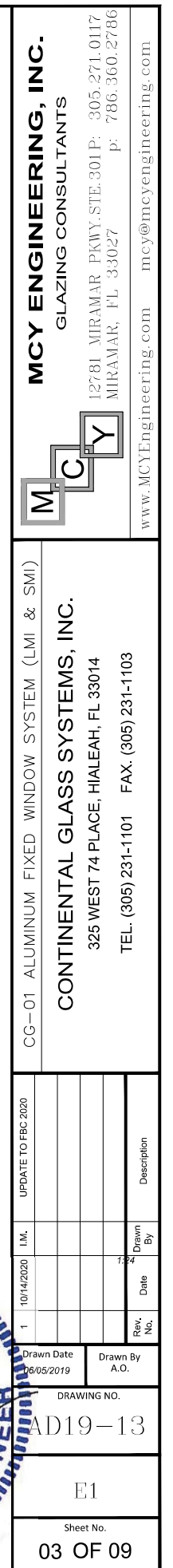
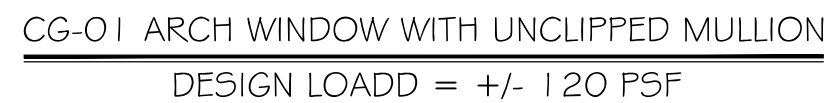
Drawn Date 06/05/2019

Drawn By A.O.

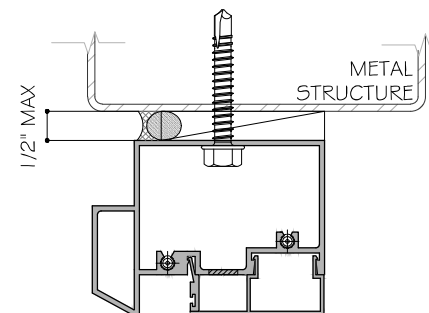
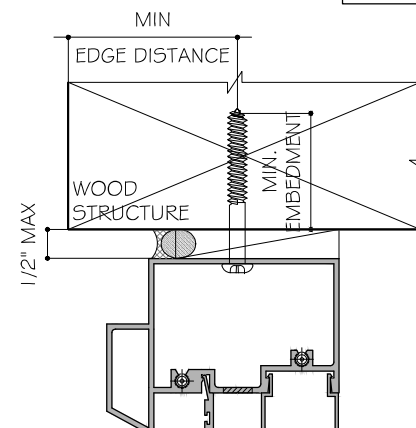
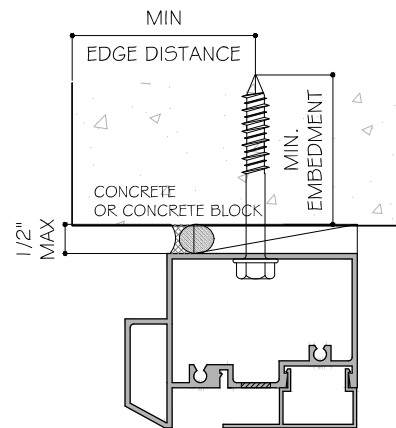
DRAWING NO. AD19-13

G1

Sheet No. 02 OF 09



NOMINAL DIMENSIONS		ANCHOR TYPES					
FRAME WIDTH	ANCHOR SPACING	ANCHOR TYPE 'A'	ANCHOR TYPE 'B'	ANCHOR TYPE 'B1'	ANCHOR TYPE 'B2'	ANCHOR TYPE 'C'	ANCHOR TYPE 'C'
W (IN)	Sp	1/2" MAX. SHIM	1/2" MAX. SHIM	1/2" MAX. SHIM	1/2" MAX. SHIM	3/8" MAX. SHIM	1/2" MAX. SHIM
60	8" O.C.	120	120	120	120	120	120
66		120	120	120	120	120	120
72		120	120	120	120	120	120
78		115.4	120	120	120	120	120
80		112.5	120	120	120	120	120
60	12" O.C.	-	120	120	116	120	120
66		-	120	120	105.5	120	120
72		-	120	120	96.7	120	120
78		-	120	115.4	89.2	120	113.8
80		-	120	112.5	87	120	111
60	16" O.C.	-	120	112.5	87	120	111
66		-	120	102.3	79.1	120	100.9
72		-	120	93.8	72.5	115.5	92.5
78		-	120	86.5	66.9	106.6	85.4
80		-	120	84.4	65.3	104	83.3



FL # 29214

YIPING WANG
LICENSE
No 55983
STATE OF FLORIDA
PROFESSIONAL

WOOD AT HEAD OR JAMB SG=0.55 MIN.
CONCRETE AT HEAD, SILL & JAMB f'_c =3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK OR MEDIUM WEIGHT CMU
AT JAMB f'_c =2000 PSI MIN. (AT JAMB ONLY)

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

www.MCYEngineering.com mcy@mcysengineering.com

UPDATE TO FBC 2020

10/14/2020

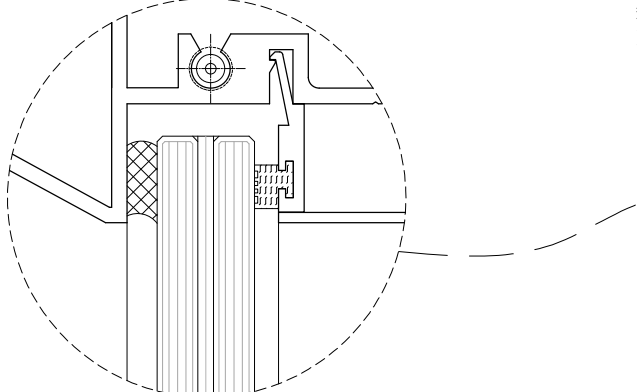
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06

DRAWING NO.

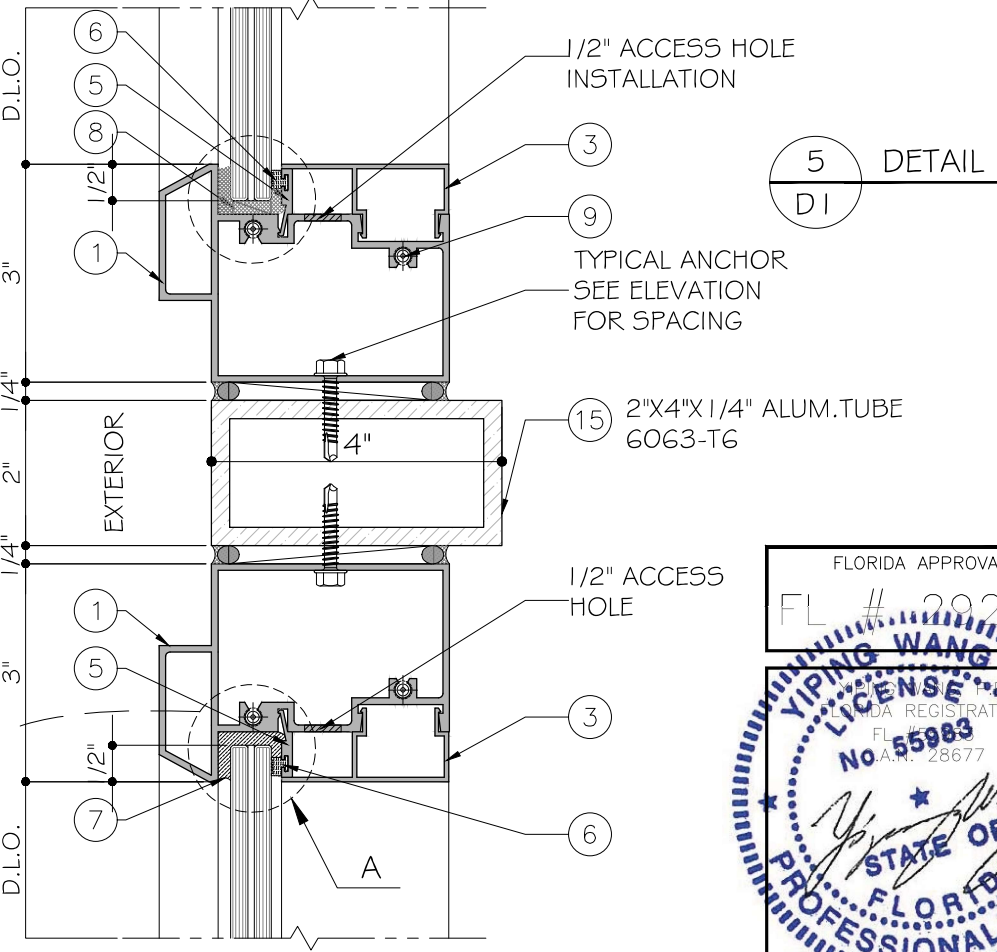
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A1

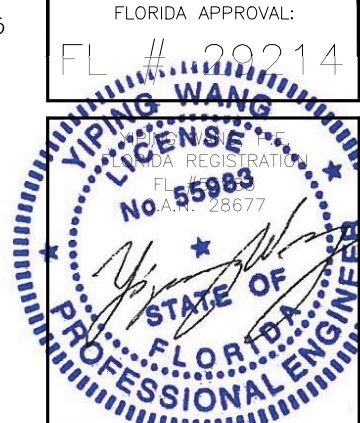
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05 OF 09



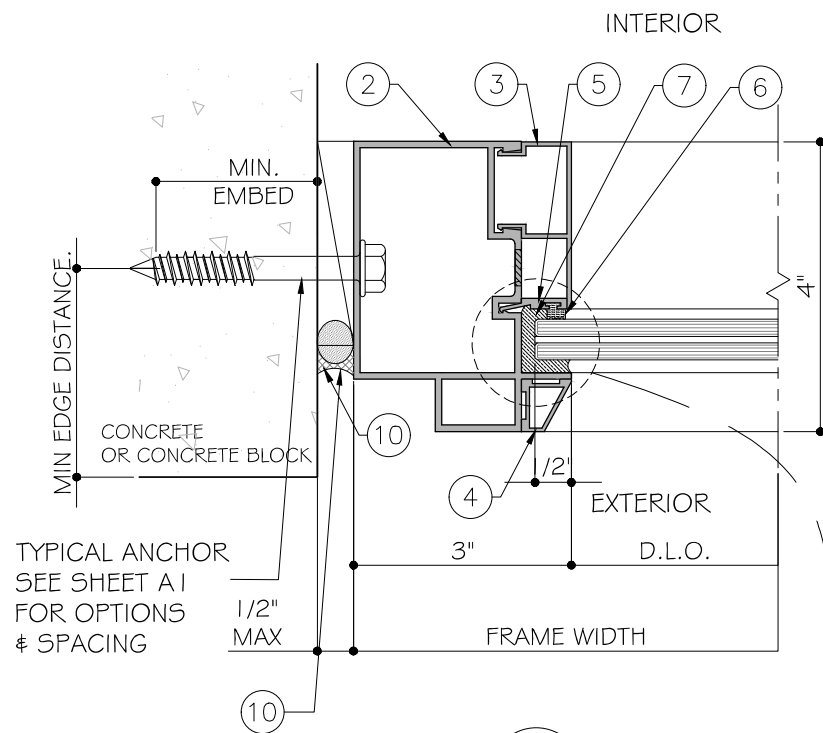
GLAZING DETAIL FOR SMI



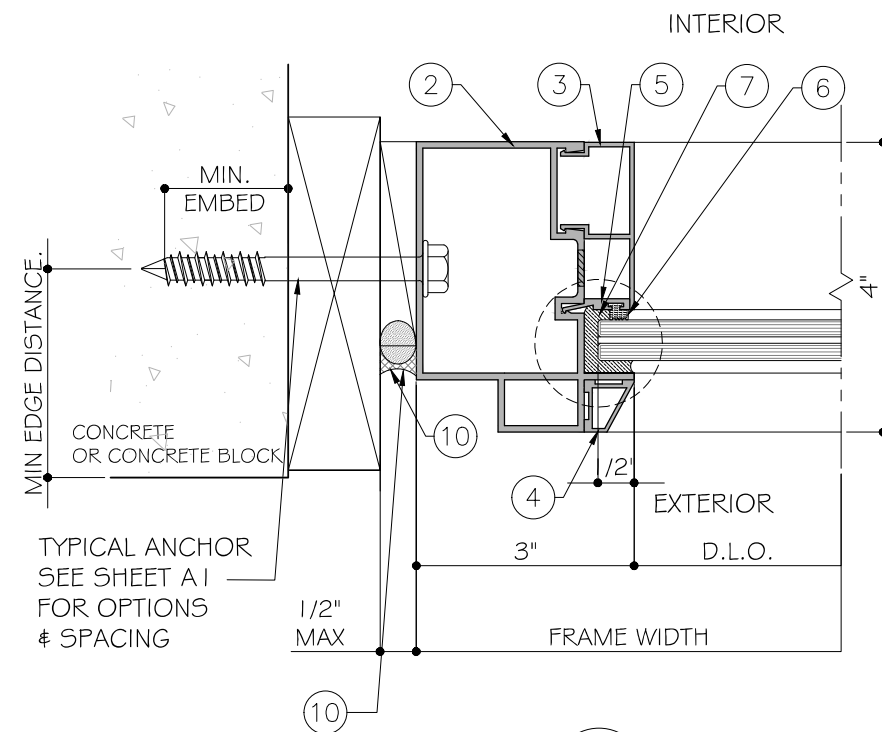
FLORIDA APPROVAL:
FL # 20214



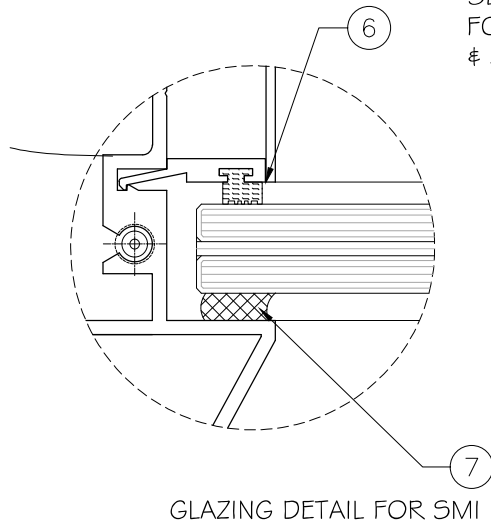
October 19th, 2020



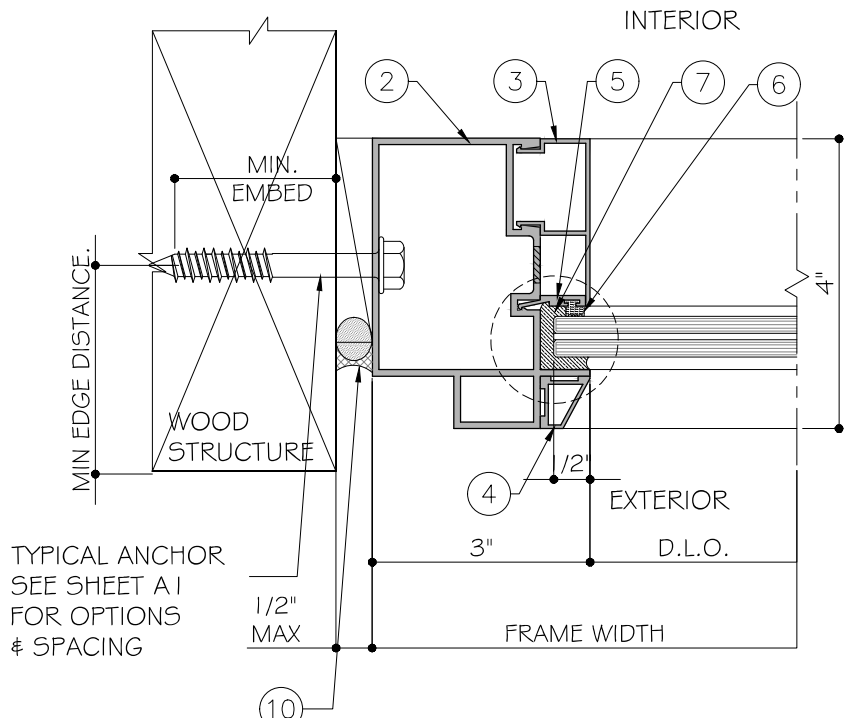
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DETAIL



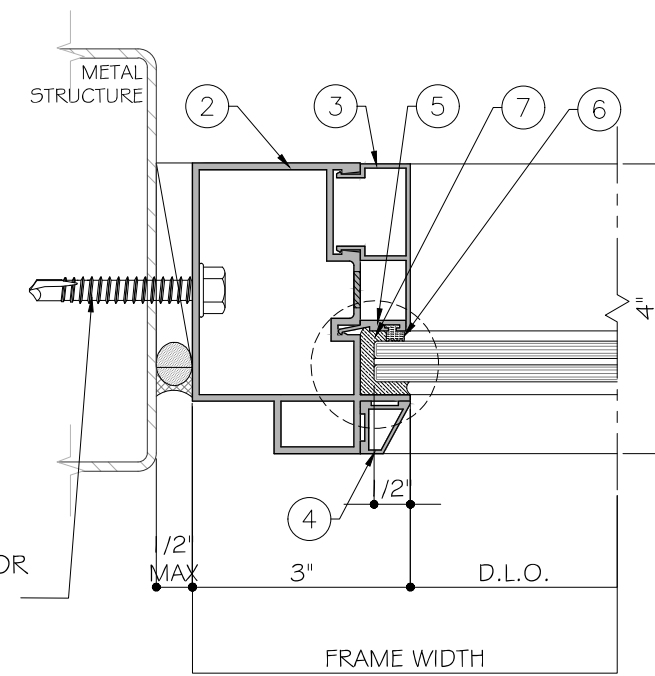
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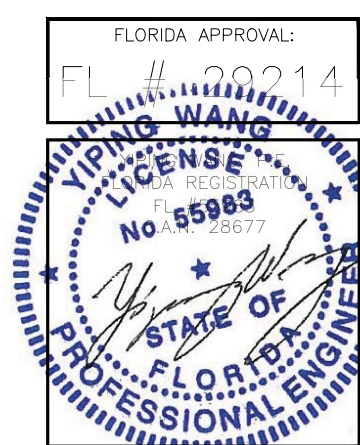
GLAZING DETAIL FOR SMI



1
D2
DETAIL



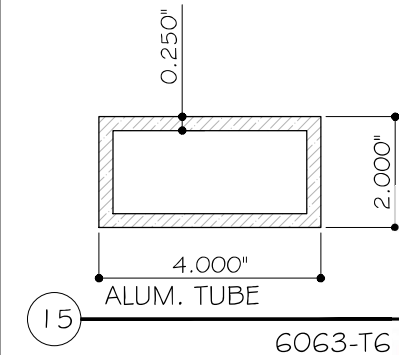
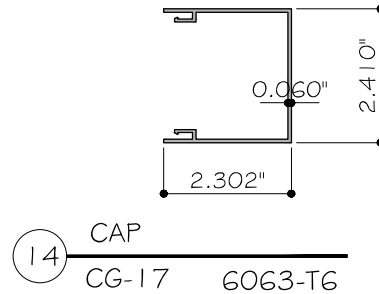
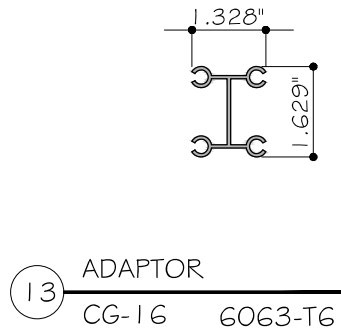
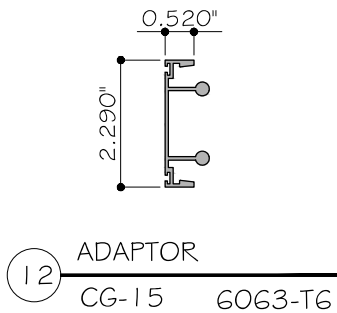
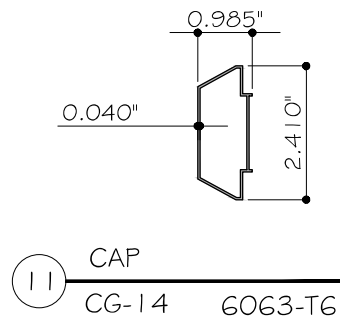
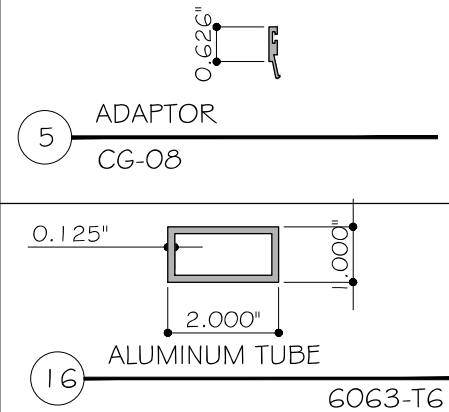
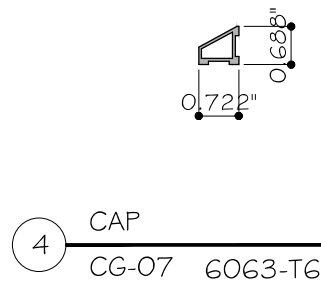
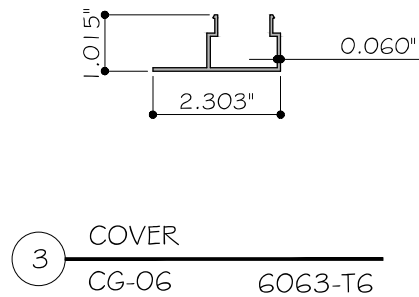
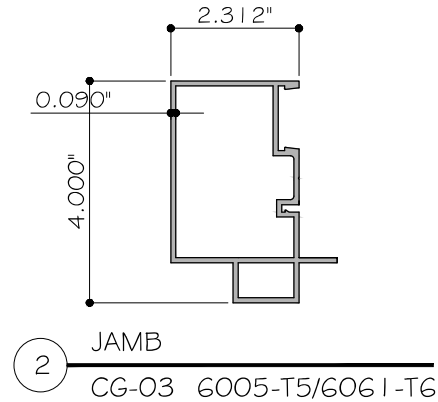
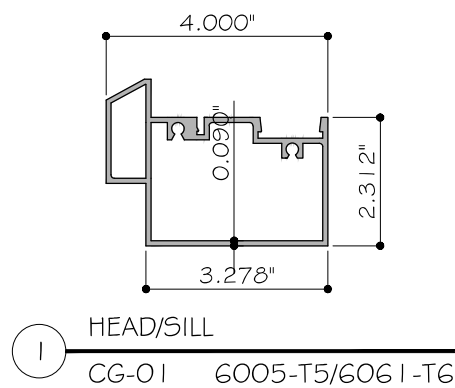
TYPICAL ANCHOR
SEE SHEET A1
FOR OPTIONS
& SPACING



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	
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CG-01 ALUMINUM FIXED WINDOW SYSTEM (LMI & SMI)	
UPDATE TO FBC 2020 1 10/14/2020	Description Drawn By Date Rev. No.
Drawn Date 06/05/2019	Drawn By A.O.
DRAWING NO. AD19-13	
D2 Sheet No. 07 OF 09	

BILL OF MATERIALS

ITEM	PART	DESCRIPTION	MATERIAL	REMARKS
1	CG-01	HEAD/SILL	ALUM. 6005-T5 OR 6061-T6	-
2	CG-03	JAMB	ALUM. 6005-T5 OR 6061-T6	-
3	CG-06	COVER	ALUM. 6005-T5 OR 6061-T6	-
4	CG-07	CAP	ALUM. 6005-T5 OR 6061-T6	-
5	CG-08	ADAPTER	ALUM. 6005-T5 OR 6061-T6	-
6	-	GLAZING GASKET	-	-
7	-	DOWSIL™ 983	SILICONE	DOWSIL™
8	-	1/2"X3/16" SETTING BLOCK	DUROMETER 80±5	-
9	-	#12 ASSEMBLY SCREW	STAINLESS STEEL	-
10	-	DOWSIL™ 790 #BACKER ROD	SILICONE	DOWSIL™
11	CG-14	CAP	ALUM. 6063-T6	-
12	CG-15	ADAPTER	ALUM. 6063-T6	-
13	CG-16	ADAPTER	ALUM. 6063-T6	-
14	CG-17	CAP	ALUM. 6063-T6	-
15	-	2"X4"X 1/2" ALUM. TUBE	ALUM. 6063-T6	-
16	-	1"X2"X 1/8" ALUM. TUBE	ALUM. 6063-T6	-



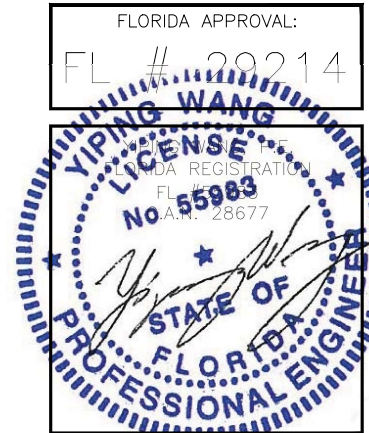
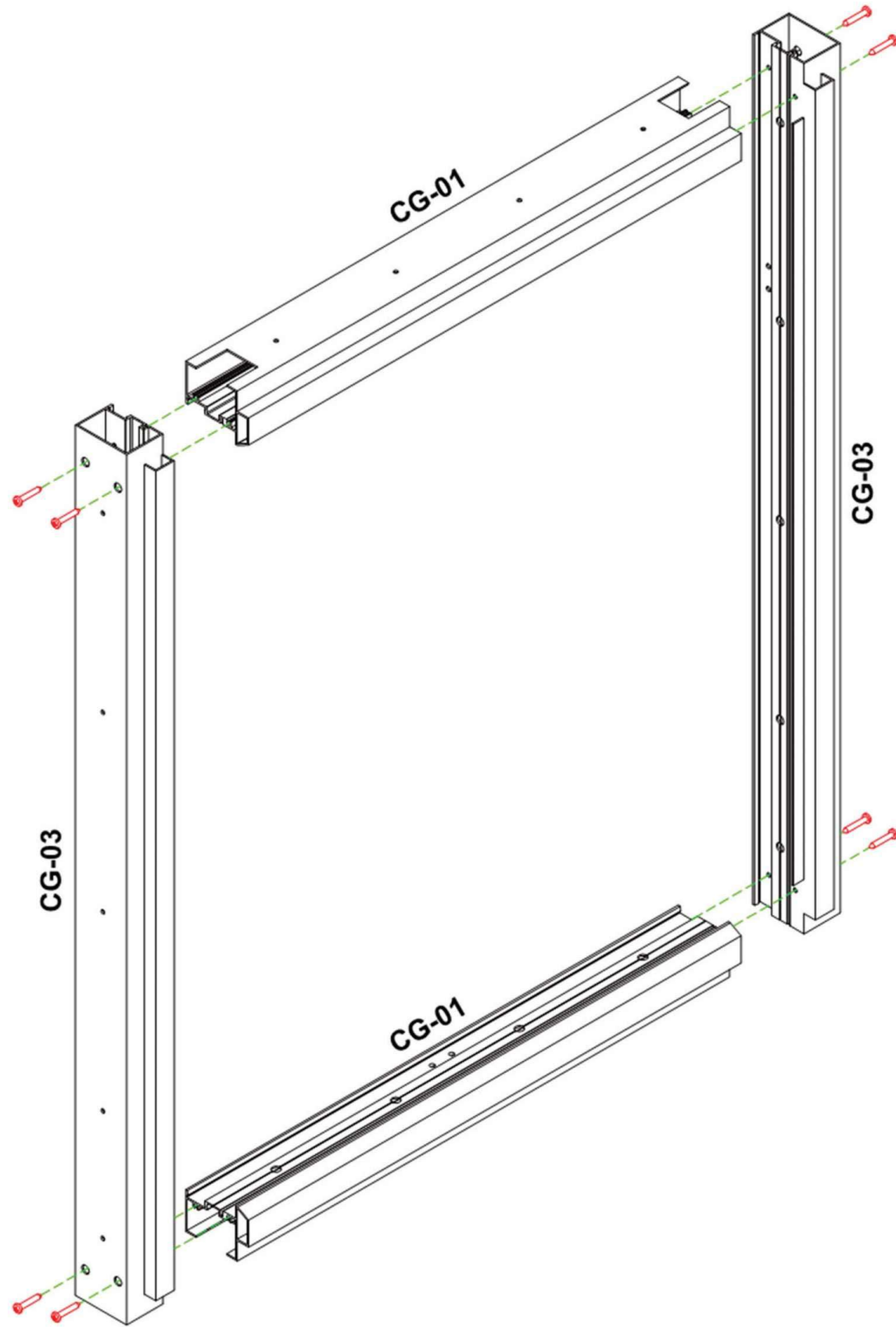
FLORIDA APPROVAL:

FL # 20214

YIPING WANG
LICENSE
FLORIDA REGISTRATION
FLORIDA
No. 55983
A.N. 28677

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

		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	
CG-01 ALUMINUM FIXED WINDOW SYSTEM (LMI & SMI)		CONTINENTAL GLASS SYSTEMS, INC. 325 WEST 74 PLACE, HIALEAH, FL 33014 TEL. (305) 231-1101 FAX. (305) 231-1103	
1	10/14/2020	I.M.	UPDATE TO FBC 2020
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