

CONTINENTAL GLASS SYSTEMS, LLC
SERIES 7500 PROJECTED OUT ALUMINUM WINDOW
(S.M.I.)

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 6TH EDITION / 7TH EDITION OF FLORIDA BUILDING CODE (2017 / 2020) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- WINDOWS RATED FOR SMALL MISSILE IMPACT. IMPACT SHUTTERS ARE REQUIRED FOR INSTALLATIONS UP TO 30'-0" OF GRADE.
- 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 6TH EDITION / 7TH EDITION OF FLORIDA BUILDING CODE (2017 / 2020) SECTION AS APPLICABLE.
- METAL STRUCTURES NOT BY GLOBAL PERFORMANCE WINDOWS 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 7-10 / 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.

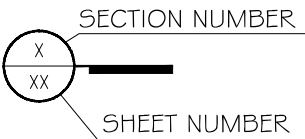
INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-10 / ASCE 7-16 STANDARD.
- STEP 2: SEE CHARTS ON SHEET E1, E2&E3 FOR GLASS TYPE AND DESIGN LOAD CAPACITY OF WINDOW SIZE BASED ON APPLICABLE WIND DURATION.
- STEP 3: ANCHOR TYPE SEE SHEET A1 FOR DETAILS.
ANCHOR SPACING & NUMBER OF ANCHOR USED SEE SHEET E1.
- STEP 4: 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. *1a.* 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 HEREIN 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 #27013.2

YIPING WANG, P.E.
FLORIDA REGISTRATION
FL #55983
C.A.N. 55983

PROFESSIONAL ENGINEER

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301
MIRAMAR, FL 33027 P: 786.360.2786
www.MCYEngineering.com MCY@mcyengineering.com

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

Rev.	No.	Date	Drawn By	Description
Rev. 1	10/14/2020	IML		UPDATE TO FBC 2020
Rev. 0	12/13/19			
Rev. 0	04/19/2018			

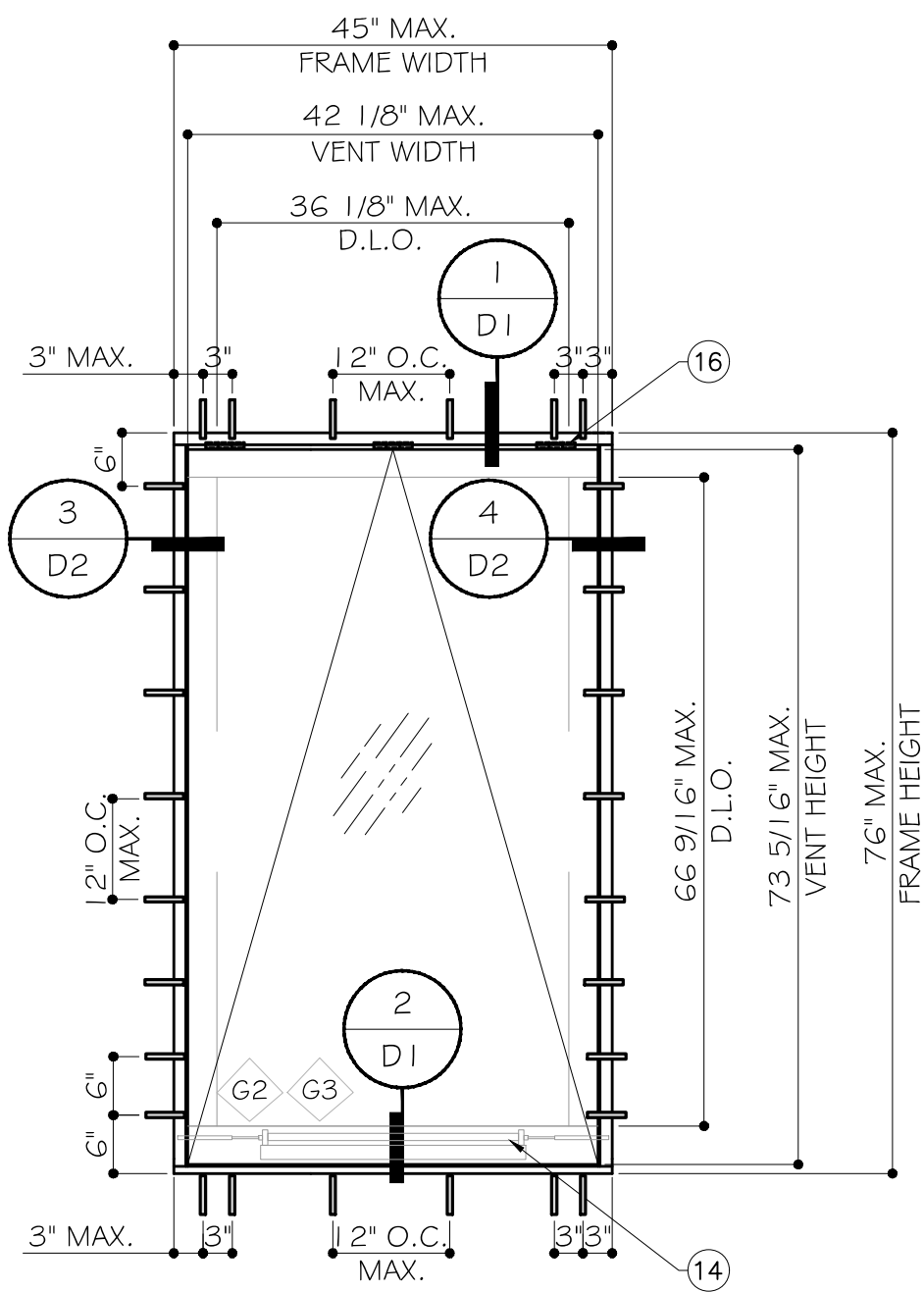
Drawn Date: 04/19/2018 Scale: AS SHOWN

DRAWING NO. **AD18-11**

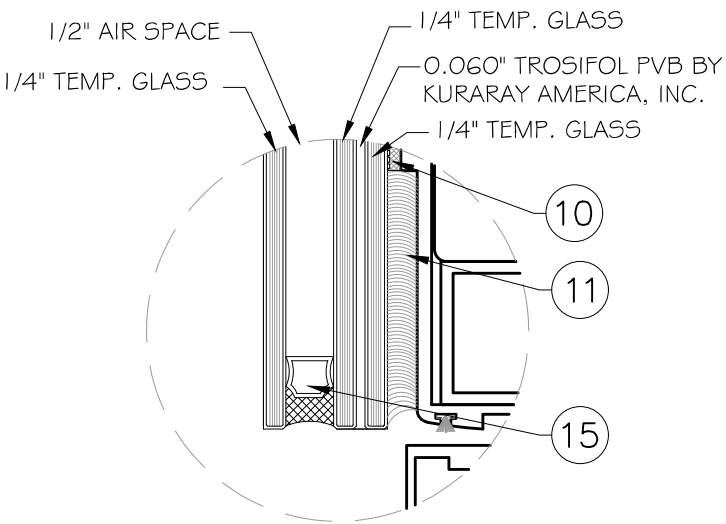
COVER

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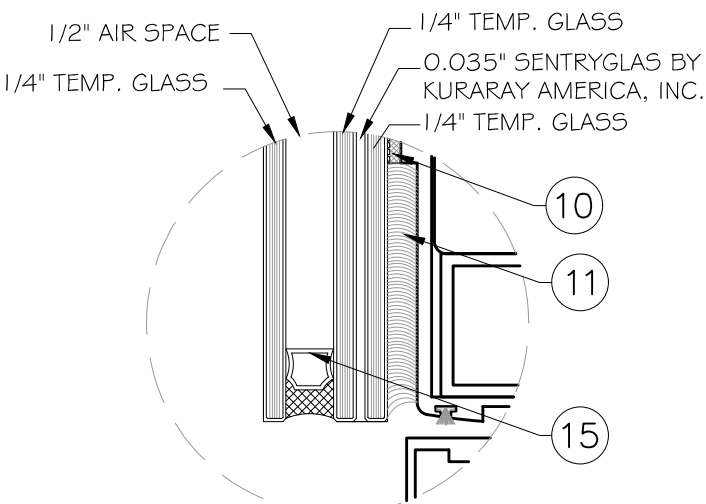
WINDOW PANEL DIMENSION		DESIGN LOAD			
WINDOW		GLASS TYPE G2		GLASS TYPE G3	
WIDTH	HEIGHT	PSF	PSF	PSF	PSF
(IN)	(IN)	+	-	+	-
36	60	100	130	90	130
42		100	130	90	130
48		100	130	90	130
54		100	130	90	130
36	66	100	130	90	130
42		100	130	90	130
48		100	130	90	130
36	72	100	130	90	130
42		100	130	90	130
45		90	130	90	130
44.5	72.5	100	120	-	-
36	76	100	130	90	130
42		100	130	90	130
45		90	130	90	130
30	78	100	130	90	130
36		92.6	130	90	130
42		86.9	125.5	86.9	125.5
24	84	100	130	90	130
30		90	130	90	130
36		77.6	112.2	77.6	112.2
24	90	85.3	130	90	130
30		73.5	106.2	73.5	106.2
36		62.5	90.3	62.5	90.3



TYPICAL EXTERIOR ELEVATION
TESTED SIZE



GLASS TYPE 'G2'
1-5/16" NOMINAL OVERALL



GLASS TYPE 'G3'
1-5/16" NOMINAL OVERALL

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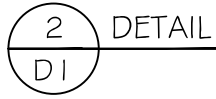
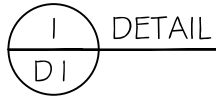
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04/19/2018	
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E1	
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WOOD BUCKS AND METAL STRUCTURE NOT BY CGS
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

DRAWING NO.
AD18-11

D1

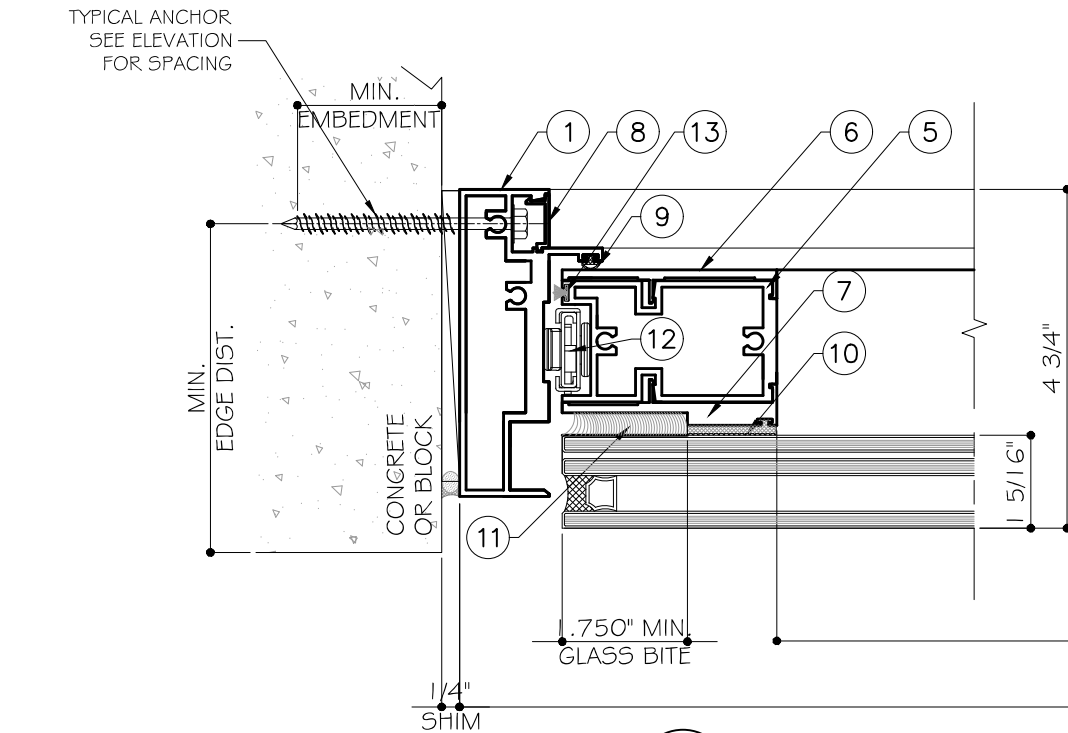
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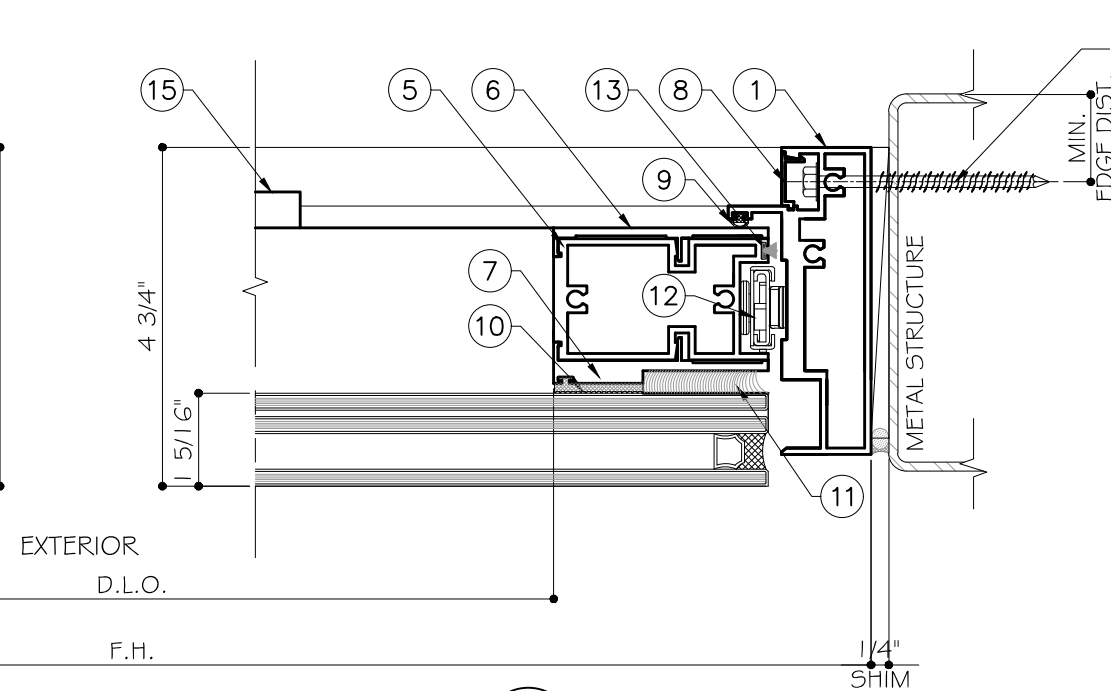
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STATE OF
FLORIDA
PROFESSIONAL ENGINEER



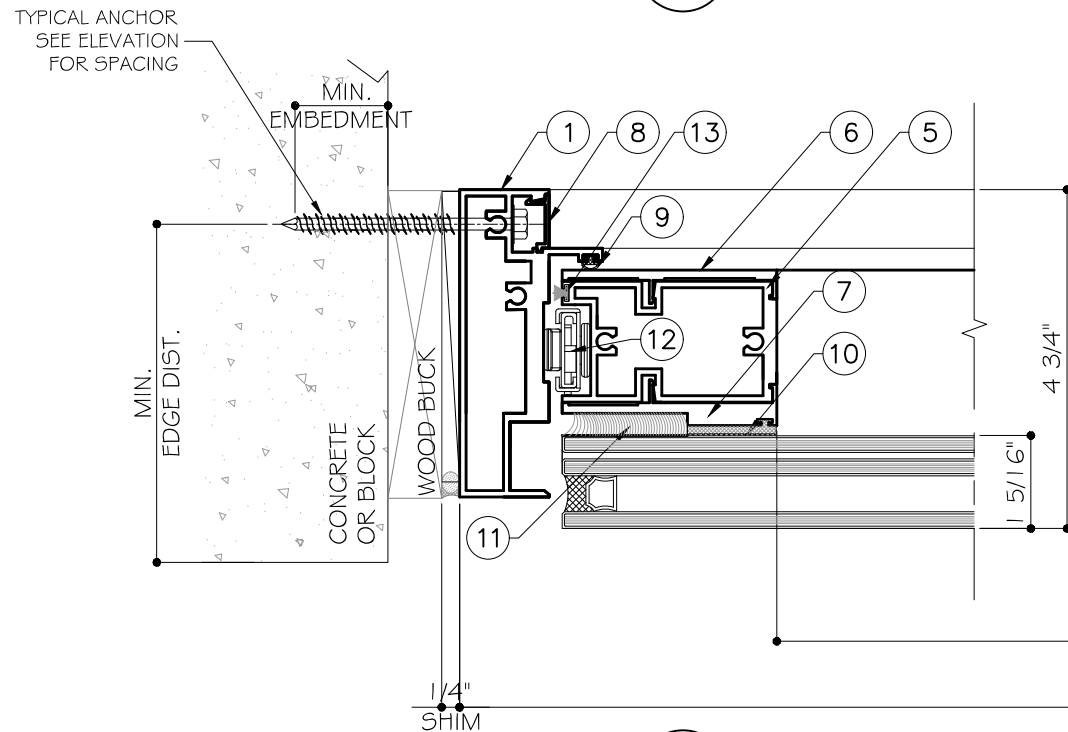
3
2

DETAIL



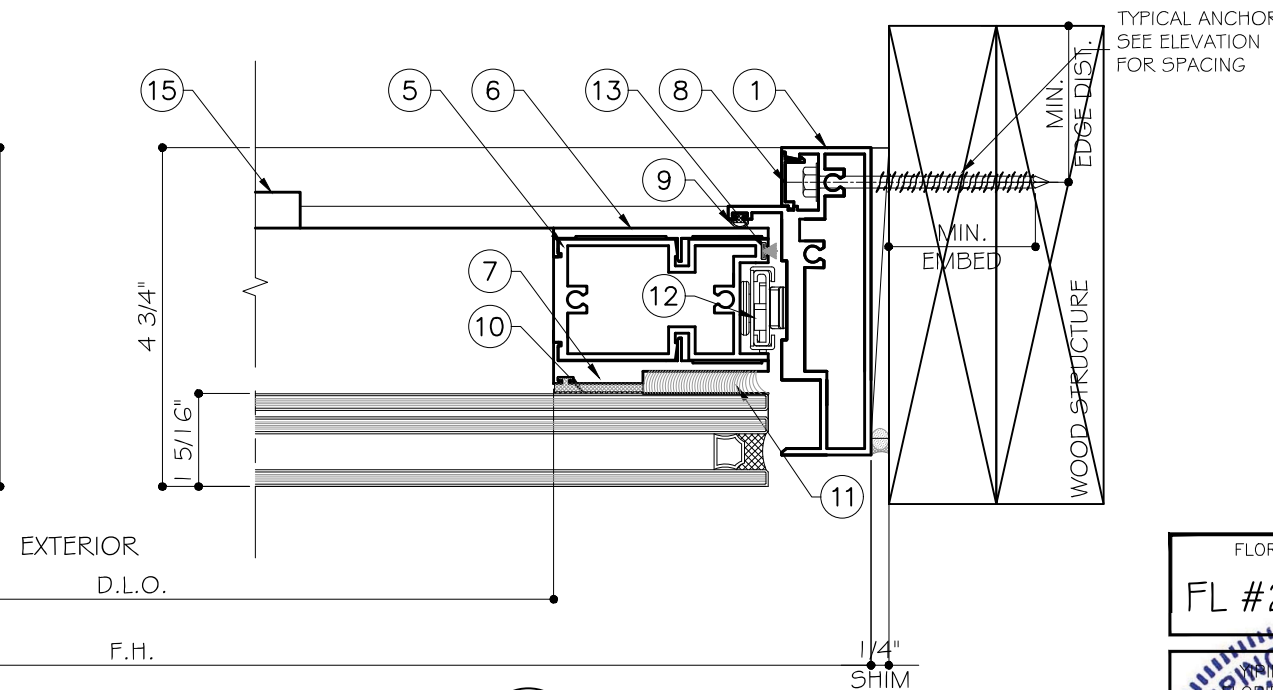
4
D2

DETAIL



3
2

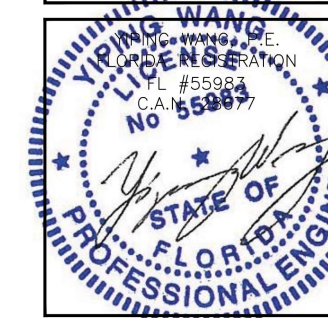
DETAIL



4
D2

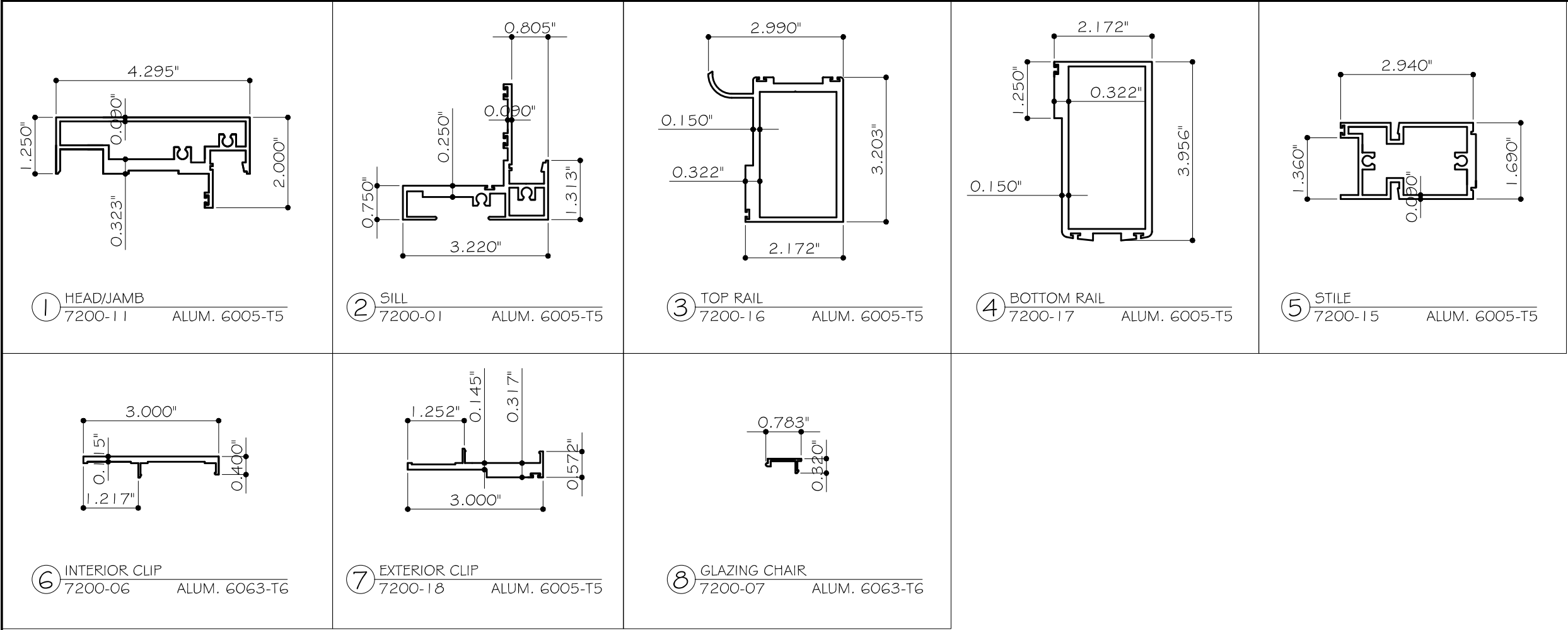
DETAIL

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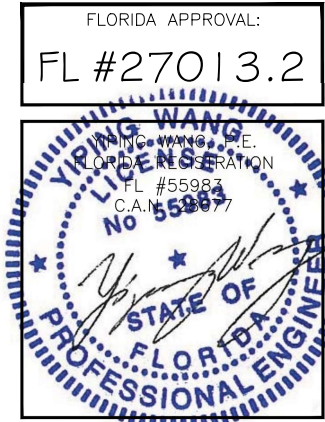


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Drawing Date 04/19/2018		Scale	
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D2			
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October 19th, 2020



BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	REMARKS
1	7200-11	HEAD/JAMB	ALUM. 6005-T5	
2	7200-01	SILL	ALUM. 6005-T5	
3	7200-16	TOP RAIL	ALUM. 6005-T5	
4	7200-17	BOTTOM RAIL	ALUM. 6005-T5	
5	7200-15	STILE	ALUM. 6005-T5	
6	7200-06	INTERIOR CLIP	ALUM. 6063-T6	
7	7200-18	EXTERIOR CLIP	ALUM. 6005-T5	
8	7200-07	GLAZING CHAIR	ALUM. 6063-T6	
9	E206	BULB GASKET	-	
10		GASKET	-	
11		SILICONE	795 OR 983 DOWSIL	
12		LIMIT DEVICE	STAINLESS STEEL	
13		0.40 X 0.187 WTSP PILES	FIN SEAL	
14	EVO1-6001-118	TIER AND TURN HANDLE	-	
15	-	GLASS SPACER	ALUMINUM	PROFIGLASS
16	203OR55316BS	(3) 4 1/2" X 4" BUTT HINGE	ST/ST	



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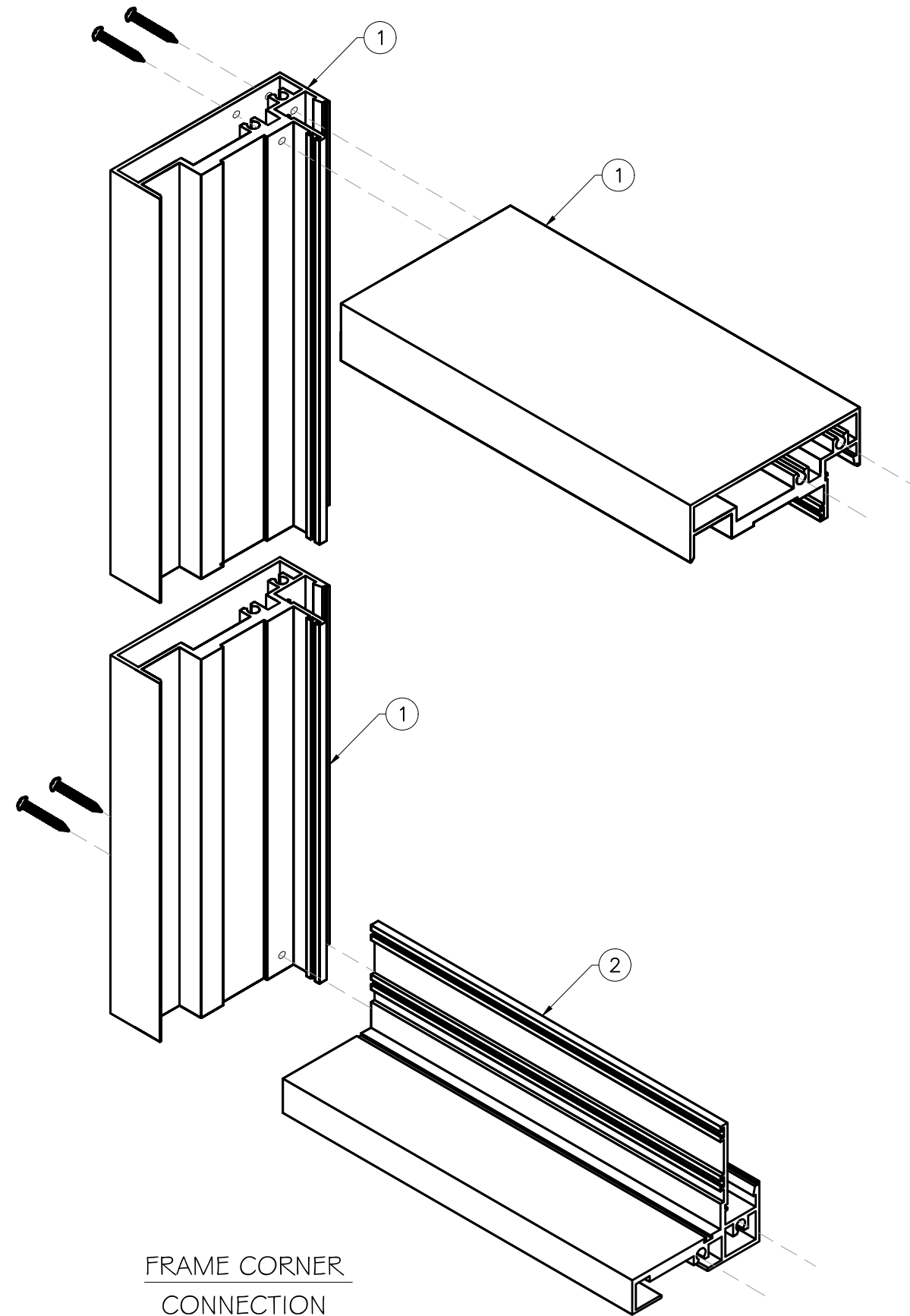
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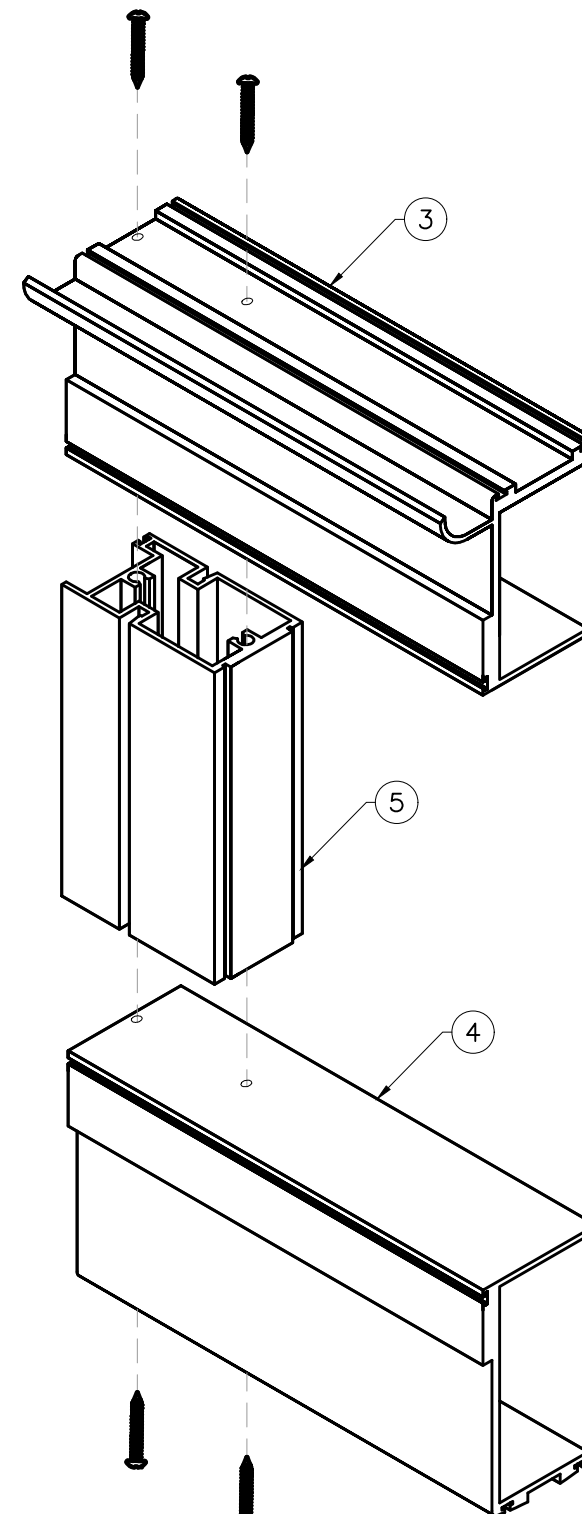
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PARTS

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FRAME CORNER
CONNECTION



VENT CORNER
CONNECTION



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