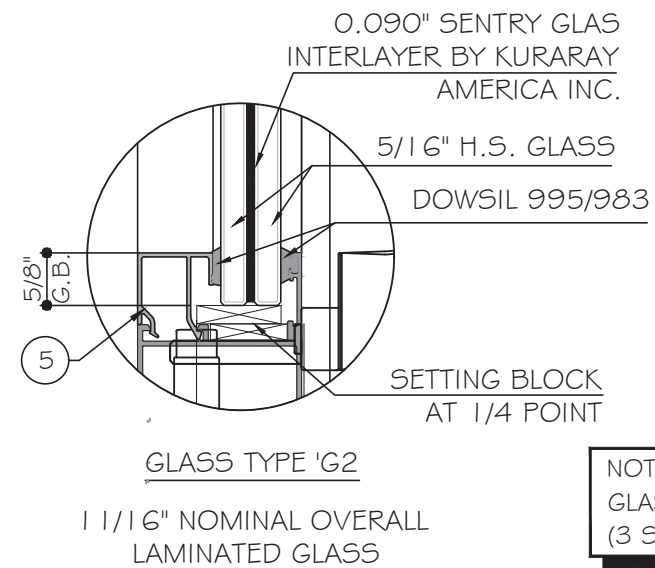
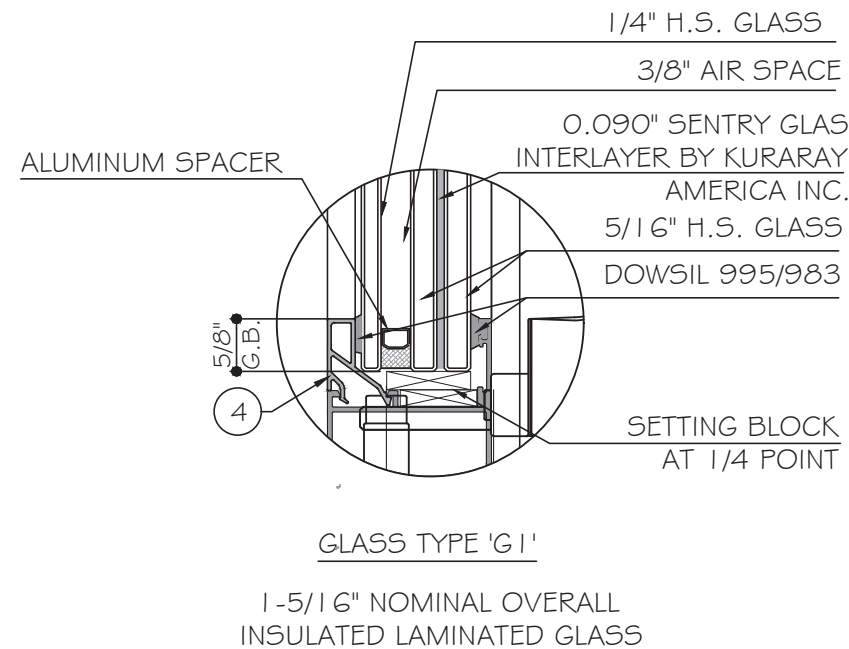


SHANGHAI YY WINDOWS CO., LTD
YY150 PROJECT OUT WINDOW SYSTEMS - L.M.I.



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

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH EDITION FLORIDA BUILDING CODE (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- WINDOWS RATED FOR LARGE MISSILE IMPACT, SYSTEM TESTED FOR IMPACT LEVEL "D".
- 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 8TH EDITION FLORIDA BUILDING CODE (2023) SECTION AS APPLICABLE.
- METAL STRUCTURAL 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 7-22, 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.
- SEALANT: ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH SILICONE SEALANT.
- 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.

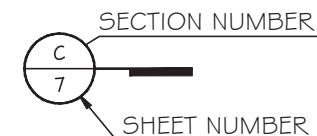
INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-22 STANDARD.
- STEP 2: SEE SHEET E1 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE BASED ON APPLICABLE WIND DURATION.
- STEP 3: SEE ANCHOR TYPE ON SHEET D1. FOR ANCHOR SPACING SEE ELEVATION ON SHEET E1.
- STEP 4: THE LOWEST VALUE RESULTING FROM STEPS 2 & 3 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THRU STEP 1 SHALL APPLY TO ENTIRE SYSTEM.

ABBREVIATIONS AND SYMBOLS

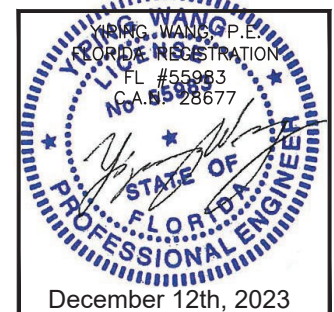
D.L.O. - DAYLITE OPENING
F.H. - FRAME HEIGHT
F.W. - FRAME WIDTH
W/ - WITH
W/O - WITHOUT
O.C. - ON CENTER
G.B. - GLASS BITE



- 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 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#36842



MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PKWY, STE. 301 MIRAMAR, FL 33027 P: 305.271.0117 www.MCYEngineering.com mcy@mcyengineering.com	
YY150 PROJECT OUT WINDOW SYSTEM LMI	
SHANGHAI YY WINDOWS CO.,LTD NO.9300 Hunan high way, PUDONG NEW AREA,SHANGHAI CHINA TEL: +86 189 1616 7018 EMAIL: yvonne@yyconstruction.com	
Drawn Date 12.07.2023	Drawn By James
Rev. No. R2	Date 12.07.2023
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DESIGN LOAD
FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC
+70 PSF -70 PSF

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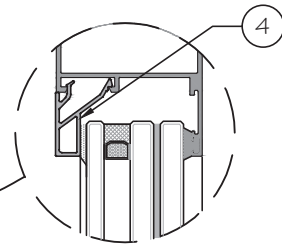
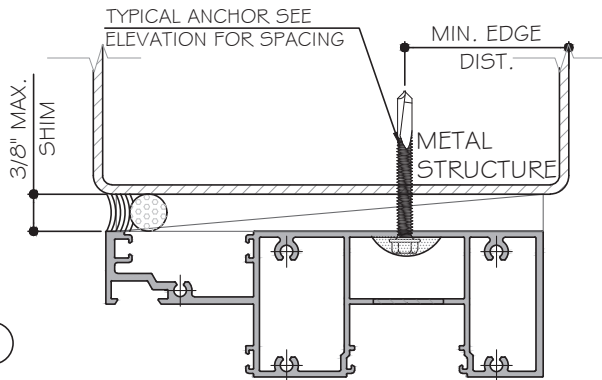
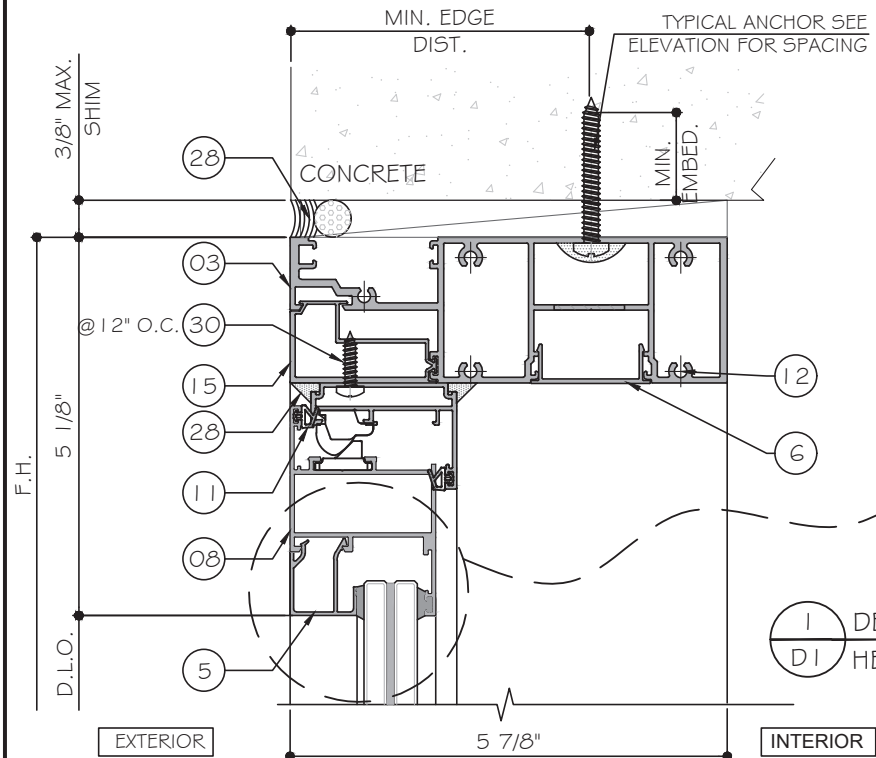
YI-RIC WANG, P.E.
FLORIDA REGISTRATION
FL #55983
C.A.B. 28677

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FLORIDA
PROFESSIONAL ENGINEER

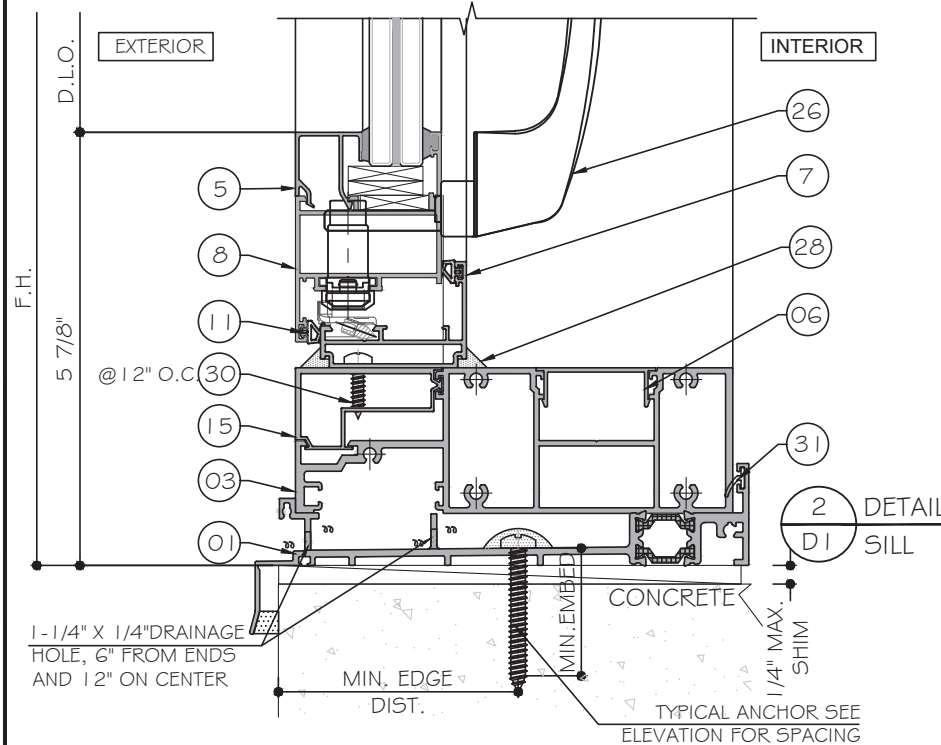
December 12th, 2023

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YYI 50 PROJECT OUT WINDOW SYSTEM LMI SHANGHAI YY WINDOWS CO.,LTD NO.9300 Hunan high way, PUDONG NEW AREA,SHANGHAI CHINA TEL.+86 189 1616 7018 EMAIL:ywome@yyconstruction.com					
	R2	12.07.2023	James	FBC 2023	
Drawn Date 12.07.2023		Drawn By James			
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AD20-48					
E1					
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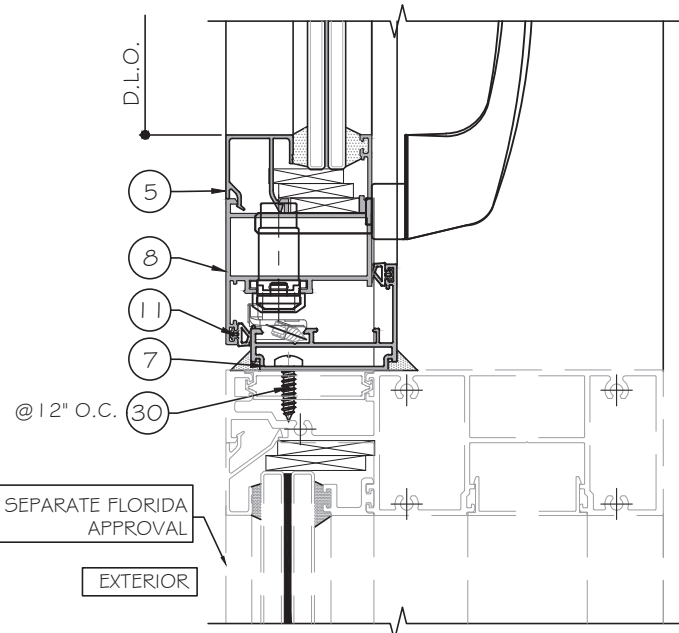
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1
DI
DETAIL
HEAD



SEE SEPARATE FLORIDA
APPROVAL



3
DI
DETAIL
SILL

TYPICAL ANCHOR TYPES:
SEE ELEVATIONS FOR SPACING

TYPE "A": 5/16" DIA. ULTRACON+ BY 'DEWALT' (Fu= 177 KSI, Fy= 155 KSI)
DIRECTLY INTO CONCRETE
WITH 1 3/4" MIN. EMBED INTO CONCRETE

TYPE "A1": 5/16" DIA. ULTRACON+ BY 'DEWALT' (Fu= 177 KSI, Fy= 155 KSI)
INTO GROUT FILLED BLOCKS(JAMB ONLY)
WITH 1 3/4" MIN. EMBED (JAMB ONLY)

TYPE "B": 5/16" SMS OR SELF DRILLING SCREW(GRADE 5) (Fu= 120 KSI, Fy=90 KSI)
INTO APPROVED MULLIONS
(1/8" THK. MIN.) INTO METAL STRUCTURE

STEEL: 12 GA. MIN. (Fy=36 KSI MIN.)
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE ISOLATED OR PAINTED)

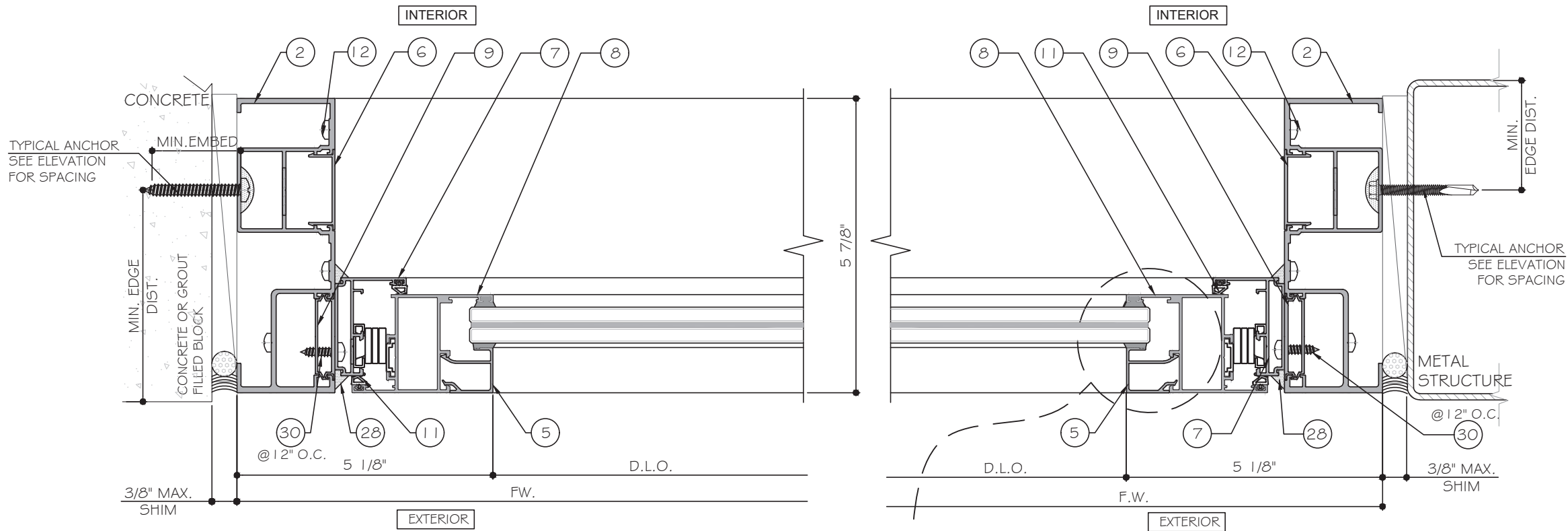
TYPICAL ANCHOR EDGE DISTANCE:
INTO CONCRETE AND MASONRY = 2 1/2" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE f'c = 3000 psi MIN.
NORMAL STRENGTH GROUT FILLED BLOCK
(AT JAMB ONLY)

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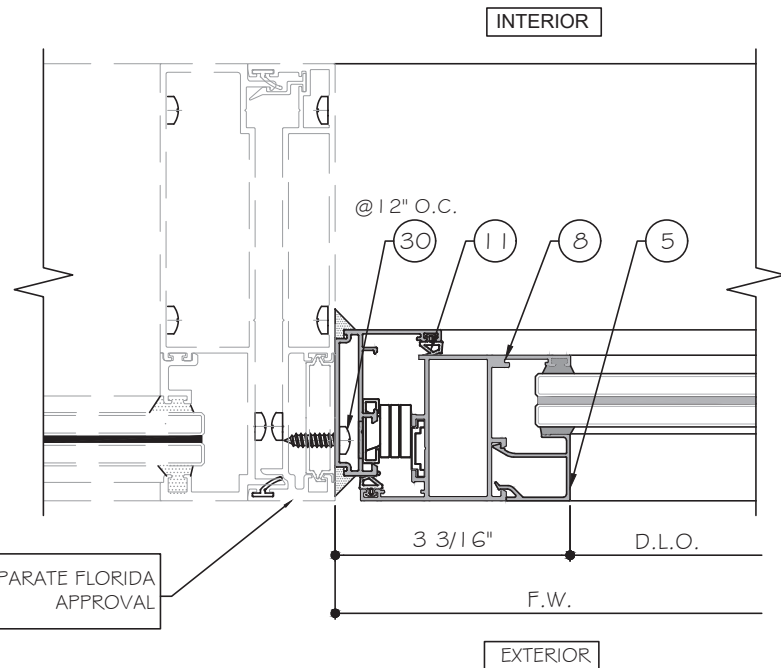
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YY150 PROJECT OUT WINDOW SYSTEM LMI SHANGHAI YY WINDOWS CO.,LTD NO.9300 Hunan high way, PUDONG NEW AREA,SHANGHAI CHINA TEL: +86 189 1616 7018 EMAIL: yvonne@yyconstruction.com			
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1 DETAIL
D2 JAMB

2 DETAIL
D2 JAMB



3 DETAIL
D2

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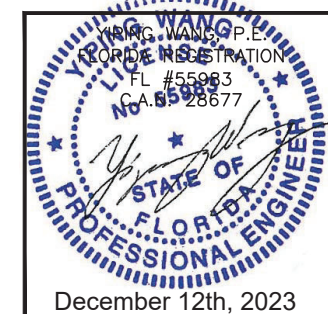
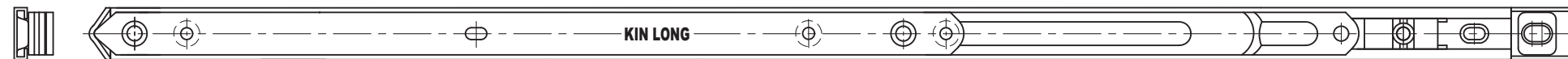
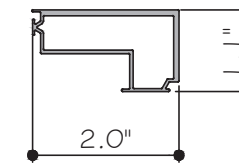
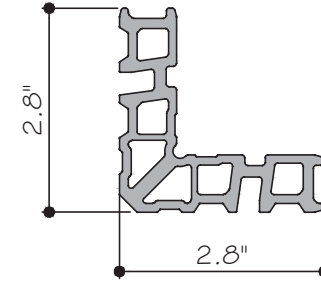
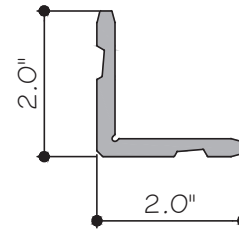
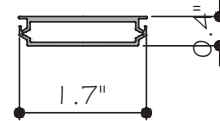
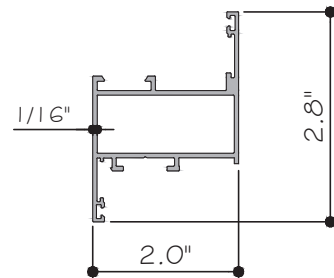
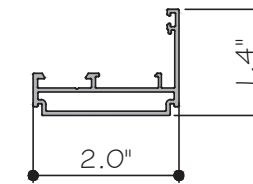
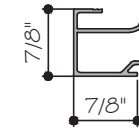
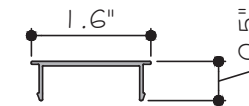
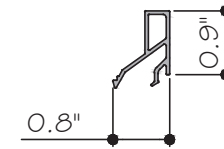
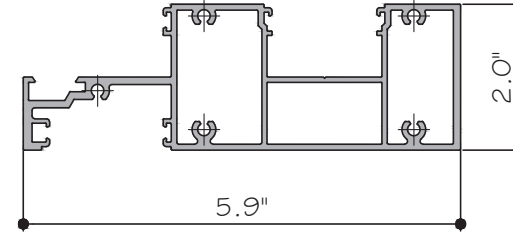
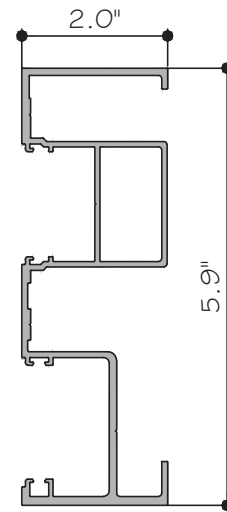
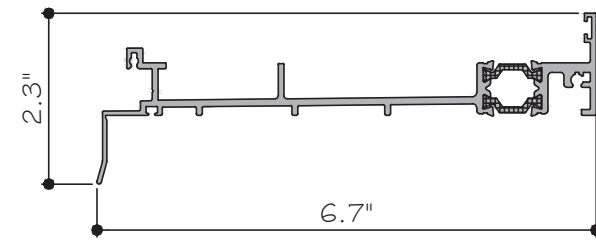
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FLORIDA REGISTRATION
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C.A. 85986
No. 28677

December 12th, 2023

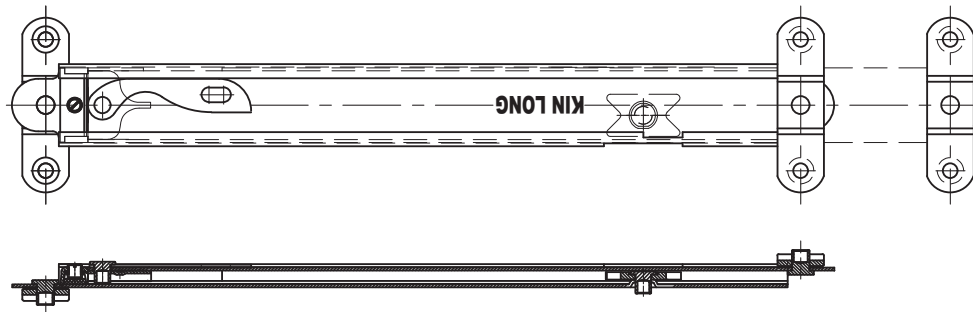
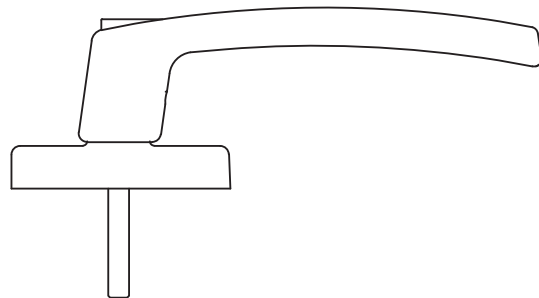
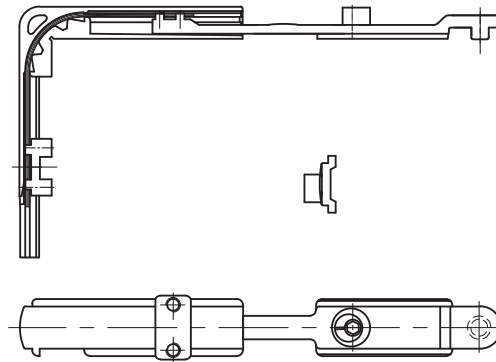
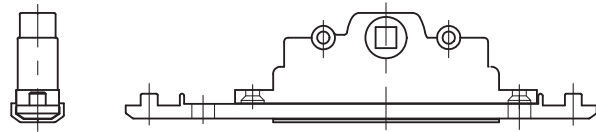
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TEL: +86 189 1616 7018
EMAIL: yvonne@yyconstruction.com

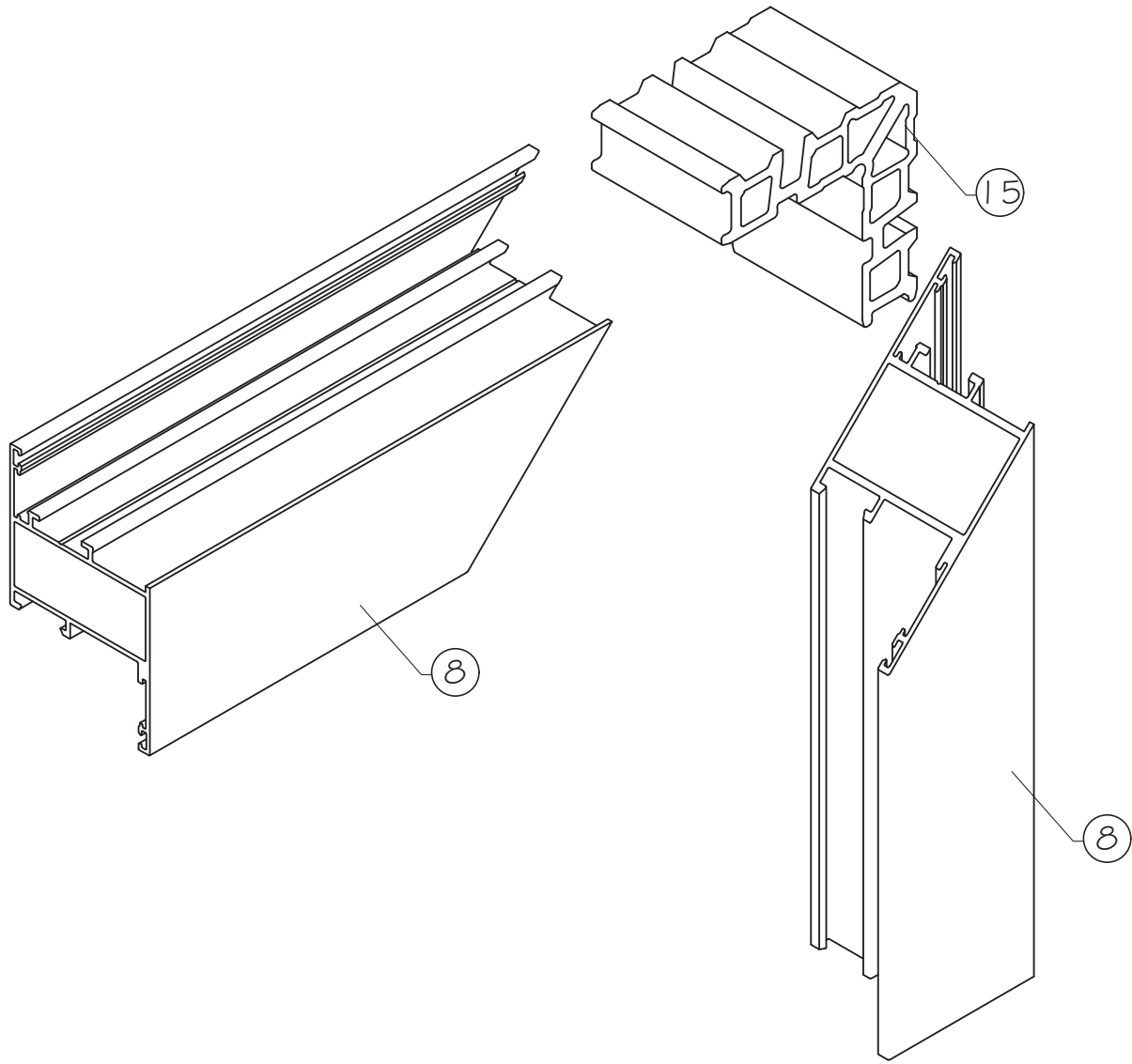
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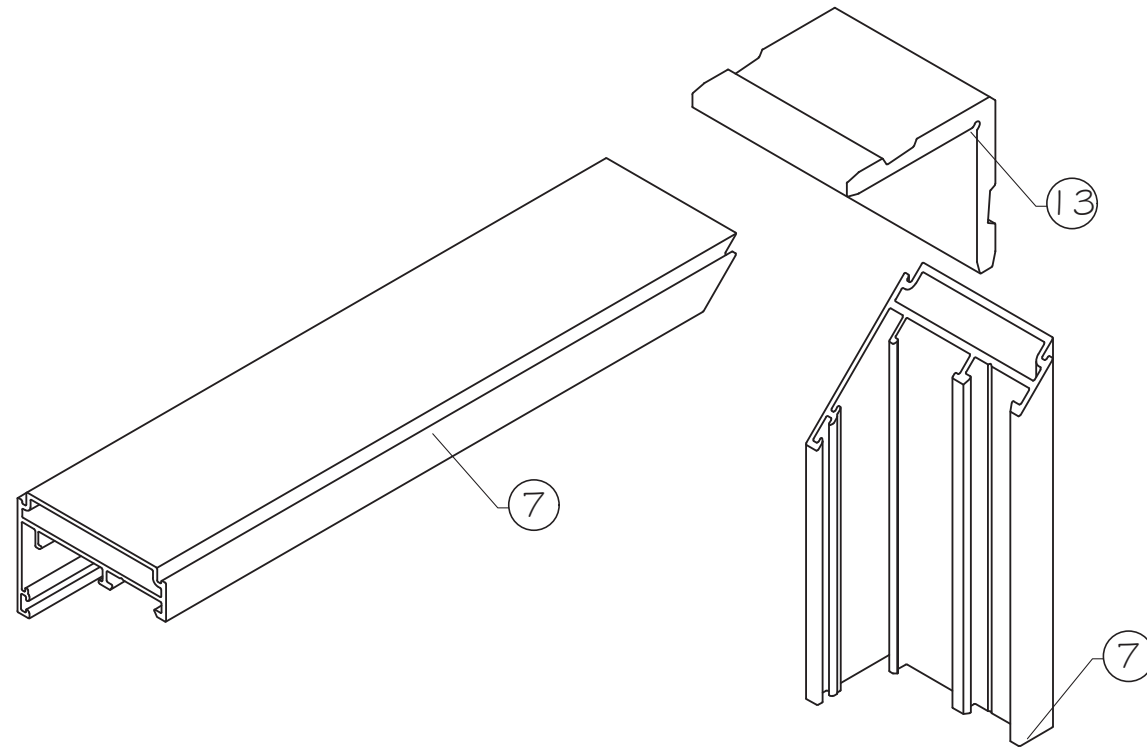
 MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PKWY.,STE.301 MIRAMAR, FL 33027 P: 305.271.0117 www.MCYEngineering.com mcy@mcyengineering.com		YY150 PROJECT OUT WINDOW SYSTEM LMI	
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			FBC 2023
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CORNER ASSEMBLY



CORNER ASSEMBLY

FLORIDA APPROVAL:
FL#36842

YOUNG WANG, P.E.
FLORIDA REGISTRATION
FL #55983
CA. 85986
No. 28677

STATE OF
FLORIDA
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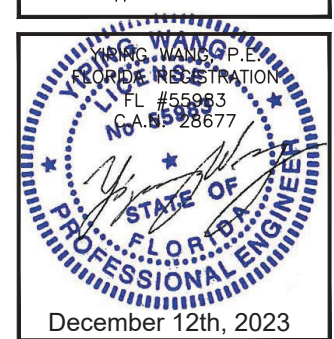
December 12th, 2023

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Drawing No. AD20-48		ISO	
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YY150 PROJECT OUT WINDOW SYSTEM LMI
SHANGHAI YY WINDOWS CO.,LTD
NO.9300 Hunan high way, PUDONG NEW AREA,SHANGHAI CHINA
TEL: +86 189 1616 7018
EMAIL: yvonne@yyconstruction.com

BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	MANUF. / REMARKS
1	YY150-50	SUBSILL	ALUM. 6063-T6	-
2	YY150-22	JAMB	ALUM. 6063-T6	-
3	YY150-23	HEAD/ SILL/ JAMB	ALUM. 6063-T6	-
4	YY100-20	SASH BEAD	ALUM. 6063-T6	-
5	YY86-31	SASH BEAD	ALUM. 6063-T6	-
6	YY150-47	CAP	ALUM. 6063-T6	-
7	YY100-9	AWING FRAME	ALUM. 6063-T6	-
8	YY86-5	SASH	ALUM. 6063-T6	-
9	YY100-58	ADJUSTER	ALUM. 6063-T6	-
10	YY100-7	BEAD	ALUM. 6063-T6	-
11	--	EPDM GASKET	EPDM	DUROMETER 70±5 SHORE A
12	--	#10 S.S SELF-TAPPING SCREW	304	-
13	YY86-15	JOINT ANGLE	ALUM. 6063-T6	-
14	JM0017	JOINT ANGLE	ALUM. 6063-T6	-
15	YY150-51	ADJUSTER	ALUM. 6063-T6	-
16	--	SETTING BLOCK	TPE	SHORE HARDNESS 65-80
17	FJ900A-18"	FRICTION STAY	SUS 304	KIN LONG
18	FJ900A-18"	TRANSMITTER	SUS 304	-
19	N41	MIDDLE LOCK DEVICE POINT	-	-
20	N37A	LOCK DEVICE POINT	-	KIN LONG
21	ZA1-6A	KEEPER	-	KIN LONG
22	HP56757B	TRANSMISSION ROD	-	-
23	ZA1	CORNER TRANSMISSION	-	KIN LONG
24	HD56	LOCKING PLATE	-	-
25	SK75	HIDDEN LOCK	-	-
26	PZSW0025502	HANDLE	-	KIN LONG
27	SC320	STAY ARM	SUS304	-
28	--	WEATHER SEALANT	DOWSIL 795 OR 790	DOW CORNING
29	--	STRUCTURAL SILICONE	DOWSIL 995 OR 983	DOW CORNING
30	--	#12 S.S SELF-TAPPING SCREW	S.S. 304	-
31	--	EPDM GASKET	EPDM	DUROMETER 70±5 SHORE A

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12.07.2023

Drawn By
James

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