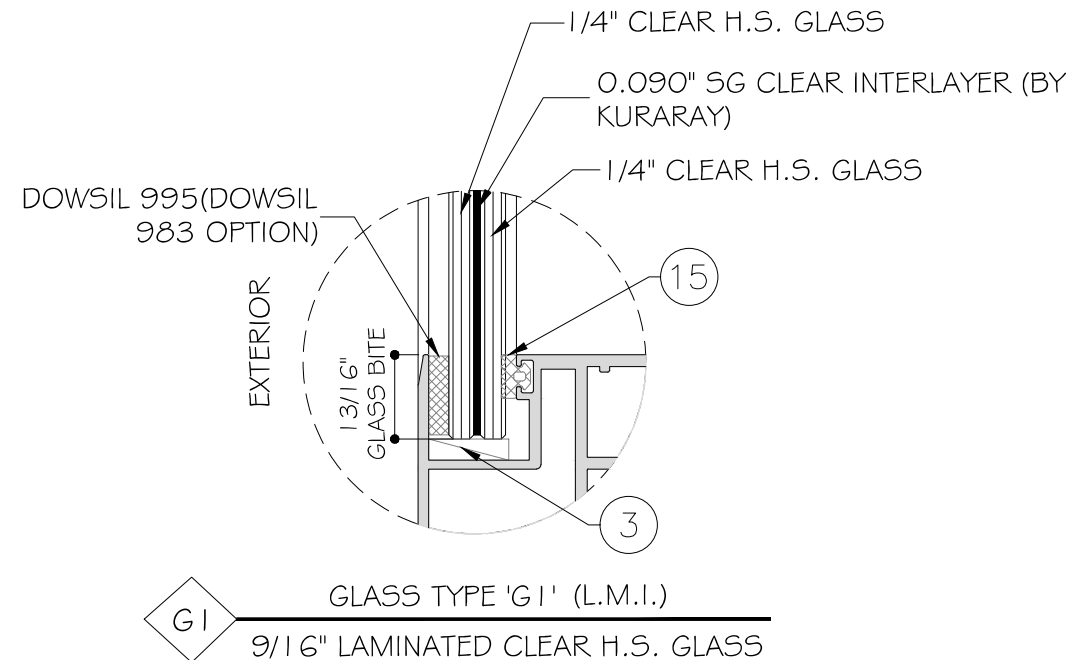


CONTINENTAL GLASS SYSTEMS, INC.
SERIES 7600-BM PROJECTED-OUT WINDOW SYSTEMS
LARGE MISSILE IMPACT (L.M.I.)
IMPACT LEVEL "D"



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).
- PROJECTED-OUT WINDOW 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 6TH EDITION / 7TH EDITION OF FLORIDA BUILDING CODE (2017 / 2020) SECTION AS APPLICABLE.
- METAL STRUCTURAL AND/ OR WOOD 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 7-10 / 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 SHEET E1 FOR APPROVED PROJECTED OUT WINDOW SIZE AND DESIGN LOAD.
- STEP 3: SEE SHEETS A1 FOR APPROVED ANCHOR TYPE USED TO COVER APPROVED CONDITION.
- STEP 4: JOB CONDITION NOT TO EXCEED APPROVED SIZE AND LOAD FROM ABOVE STEPS.

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

SECTION NUMBER

SHEET NUMBER

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 #32154.1

YIPING WANG
FLORIDA REGISTRATION
No. 55983
A.S. 28677

SERIES 7600-BM PROJECTED-OUT WINDOW SYSTEMS (L.M.I.)

CONTINENTAL GLASS SYSTEMS INC.

3225 WEST 74TH PLACE HIALEAH, FL. 33014
TEL. (305) 231-1101 FAX. (305) 231-1103

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
101 MIDLAND PARKWAY #201 DUNCAN, ONT.

12761 MIRAMAR PARKWAY #301 F: 786.360.2786
MIRAMAR, FL 33027 F: 305.271.0117

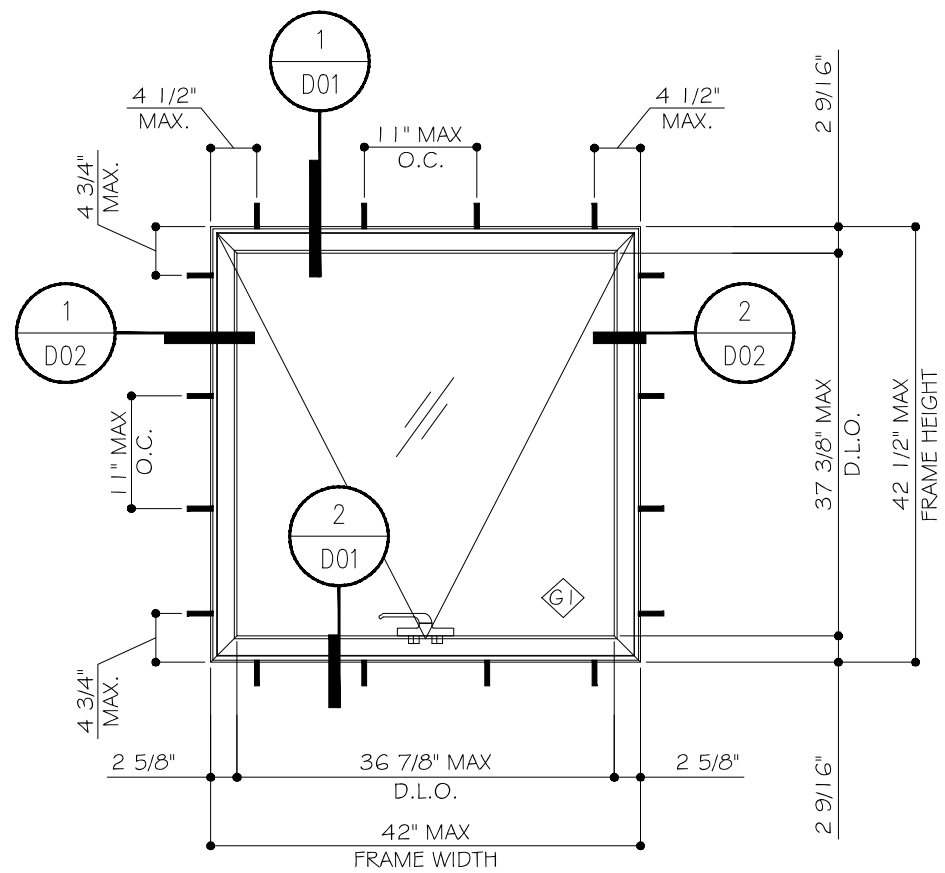
www.MCSEngineering.com mey@mcengineering.com

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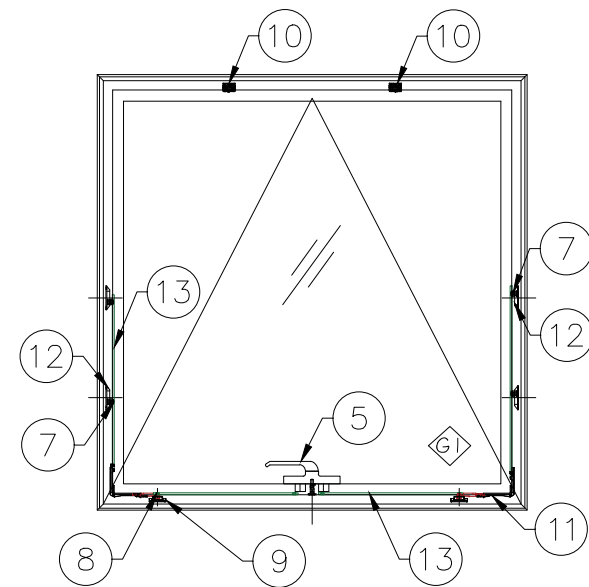
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AD20-16

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01 OF 8

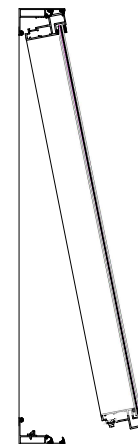
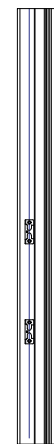
October 19th, 2020



TYPICAL EXTERIOR ELEVATIONS



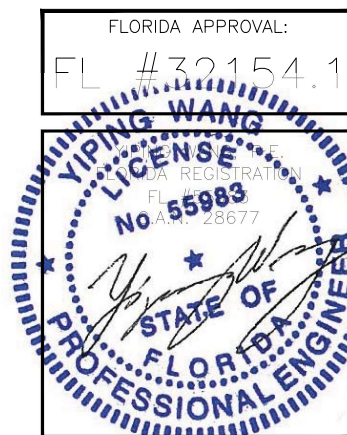
HARDWARE



DESIGN LOADS
(FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC)
+80 PSF -80 PSF

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

NOTE:
GLASS CAPACITIES ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219.



MCY ENGINEERING, INC.
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SERIES 7600-BM PROJECTED-OUT WINDOW SYSTEMS (L-M.I.)

CONTINENTAL GLASS SYSTEMS INC.

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

Rev. No.	Date	Description
1	10/15/2020	LM

FLORIDA APPROVAL:
FL #32154.1

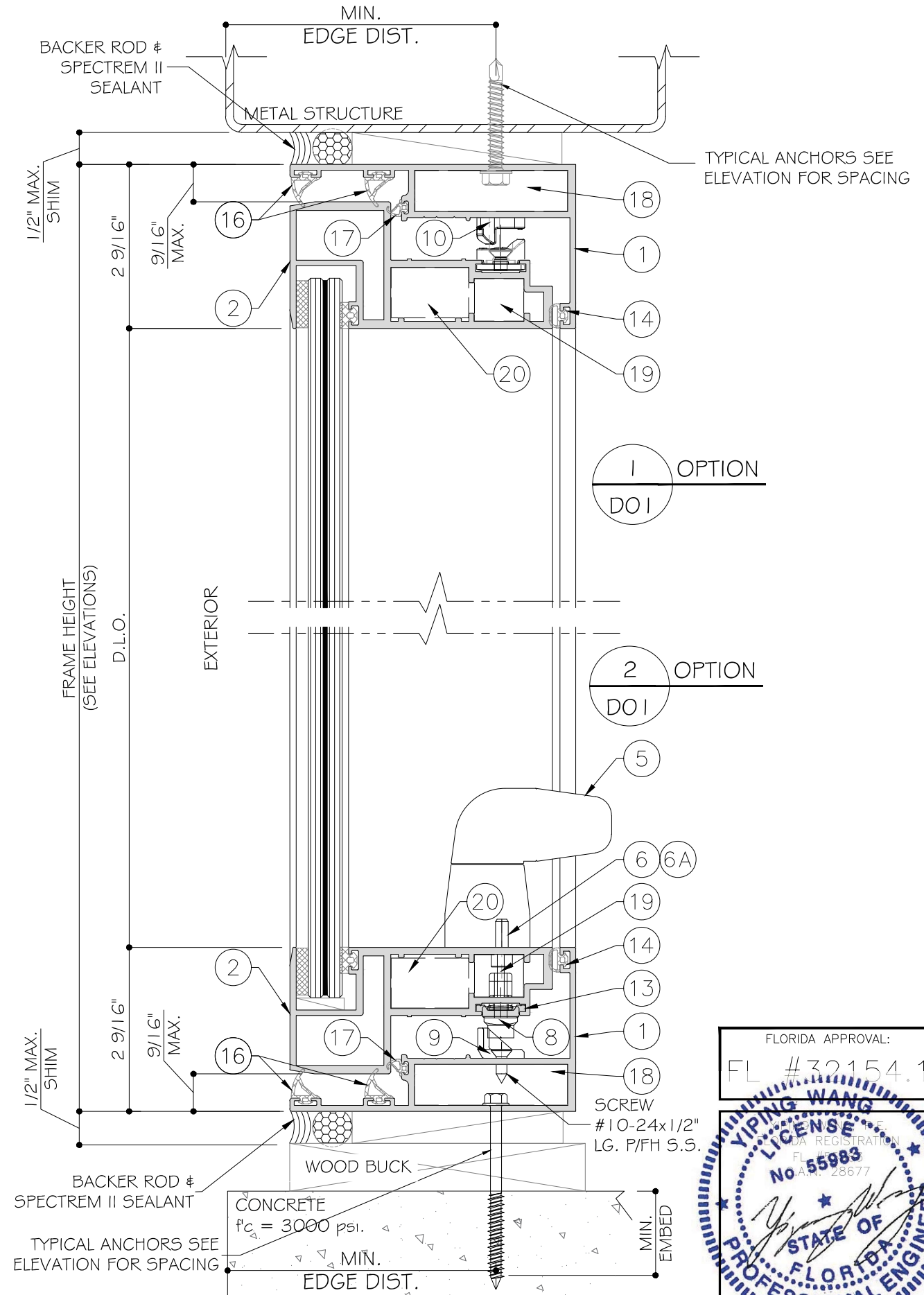
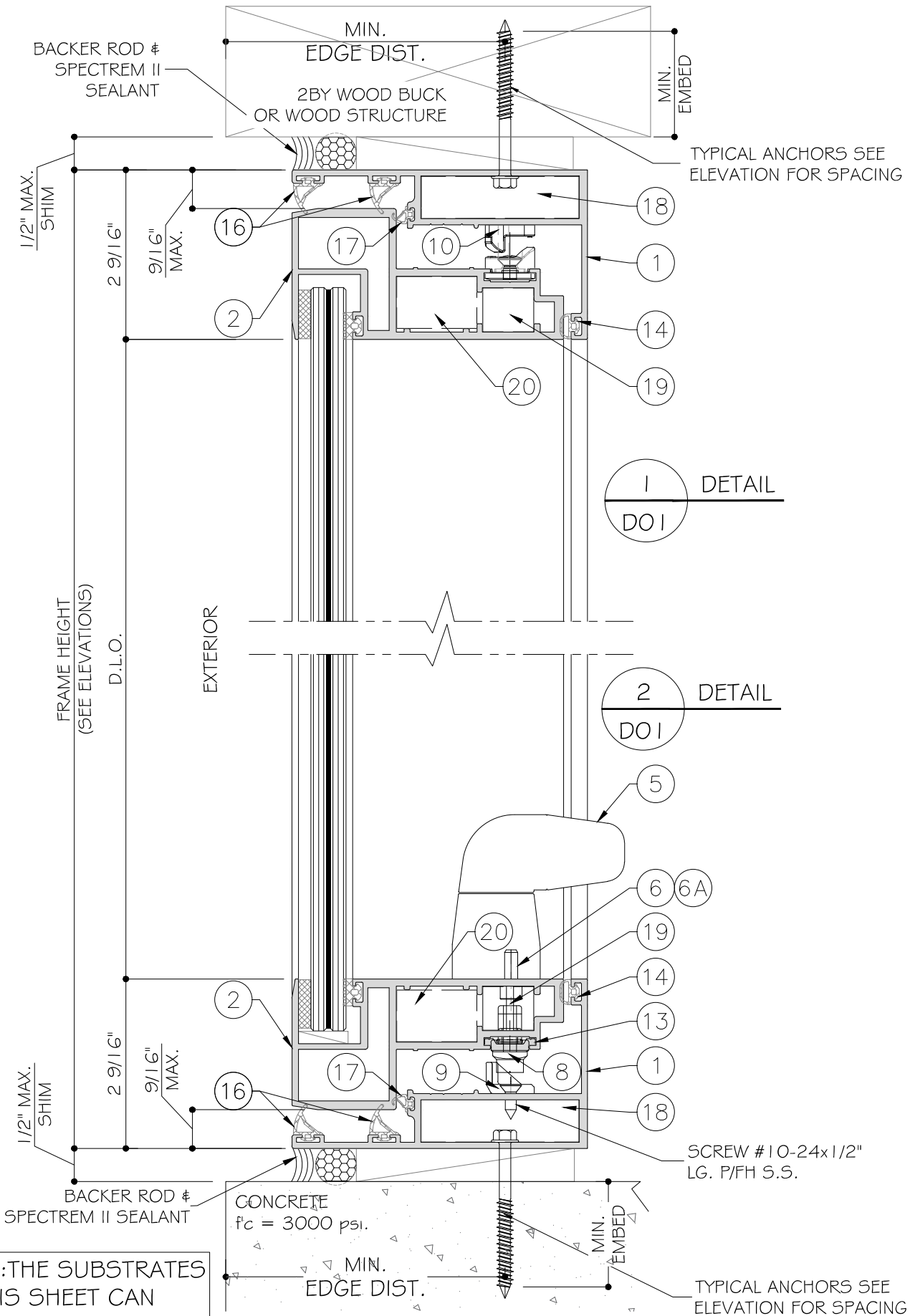
YIPING WANG
PROFESSIONAL ENGINEER
FLORIDA REGISTRATION
No. 55983
A.A.N. 28677

Drawn Date 05/18/2020	Scale
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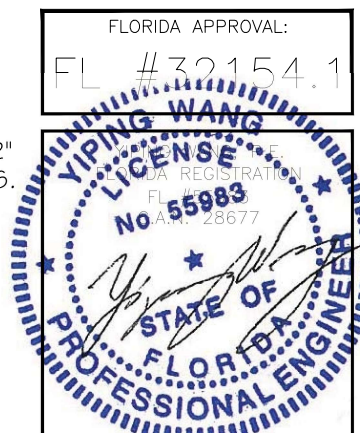
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E1

Sheet No. 2 OF 8



NOTE: THE SUBSTRATES IN THIS SHEET CAN INTERCHANGE TO MEET DIFFERENT CONDITION



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

SERIES 7600-BM PROJECTED-OUT WINDOW SYSTEMS (L.M.I.)

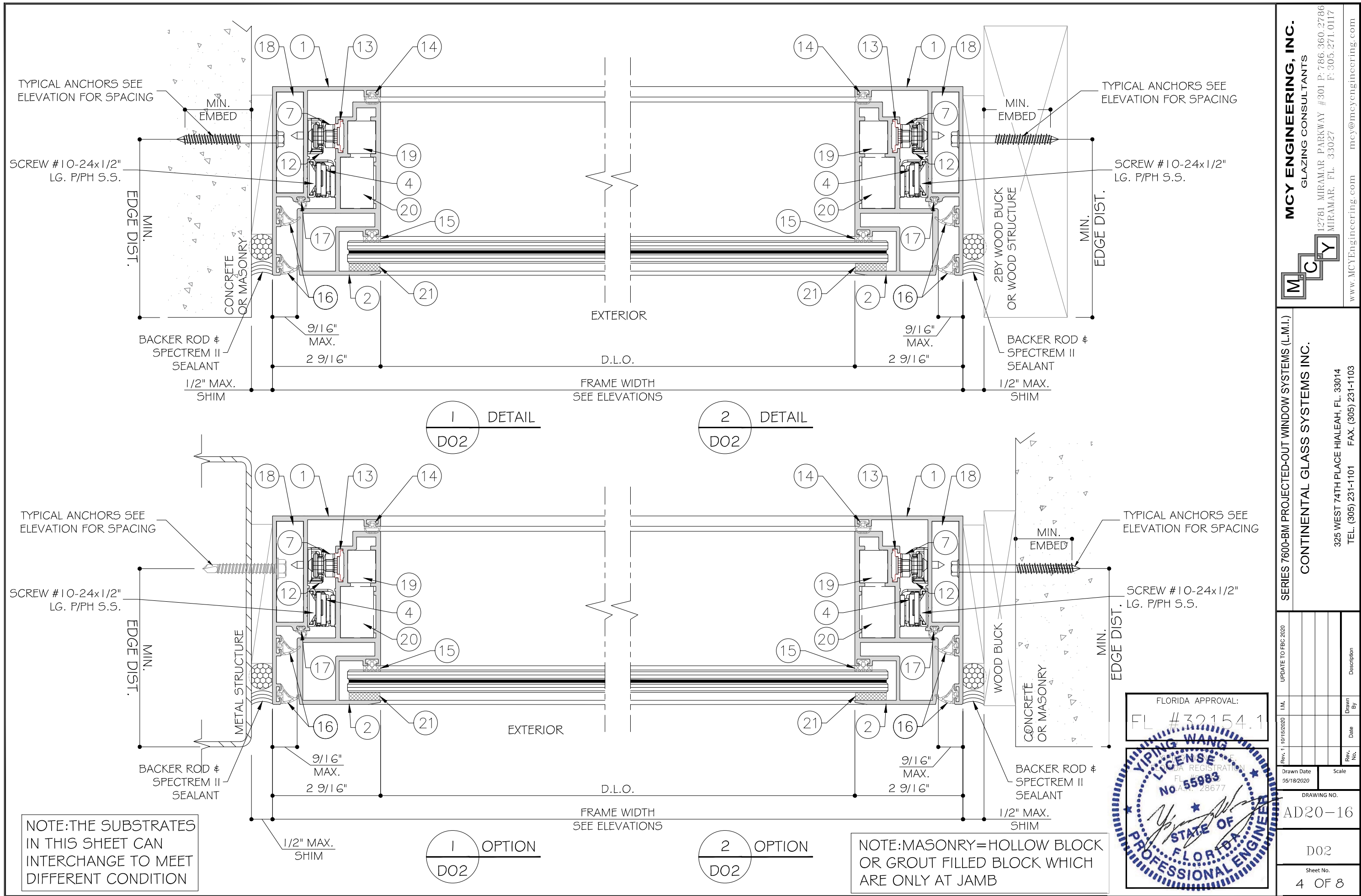
Rev.	Date	Description
1	10/19/2020	UPDATE TO FBC 2020

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Date: 05/18/2020
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Rev. No.: [Blank]

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D01

Sheet No. 3 OF 8



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www.MCYEngineering.com mcy@mcyengineering.com

SERIES 7600-BM PROJECTED-OUT WINDOW SYSTEMS (L.M.I.)

CONTINENTAL GLASS SYSTEMS INC.

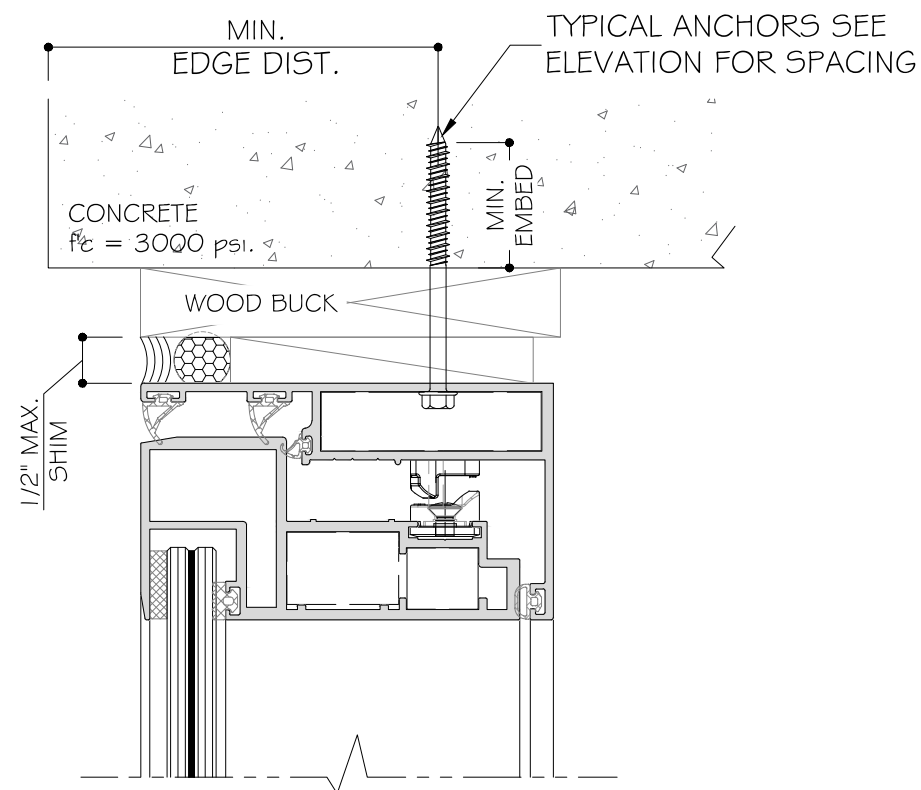
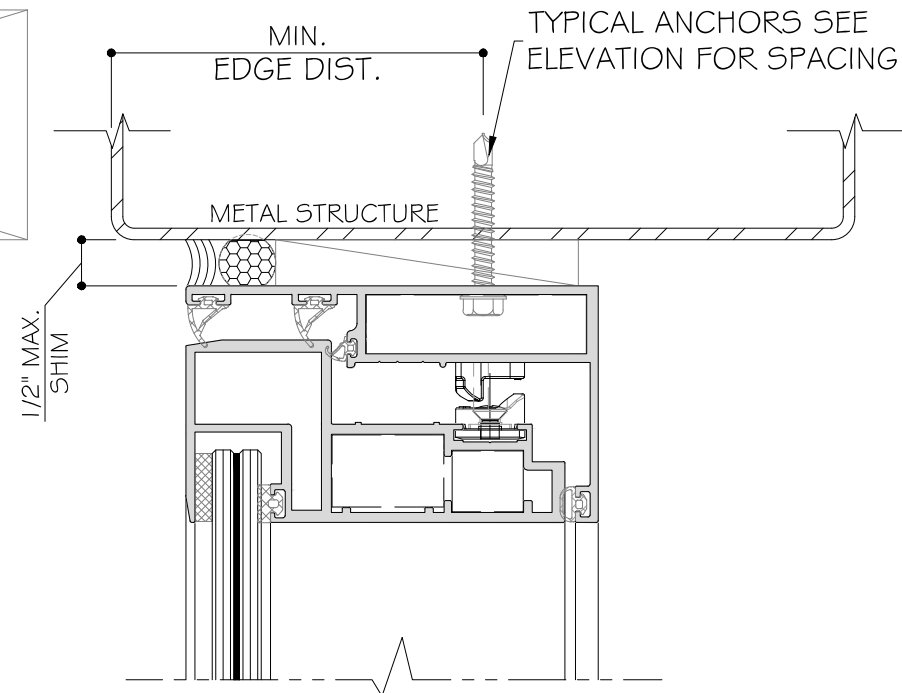
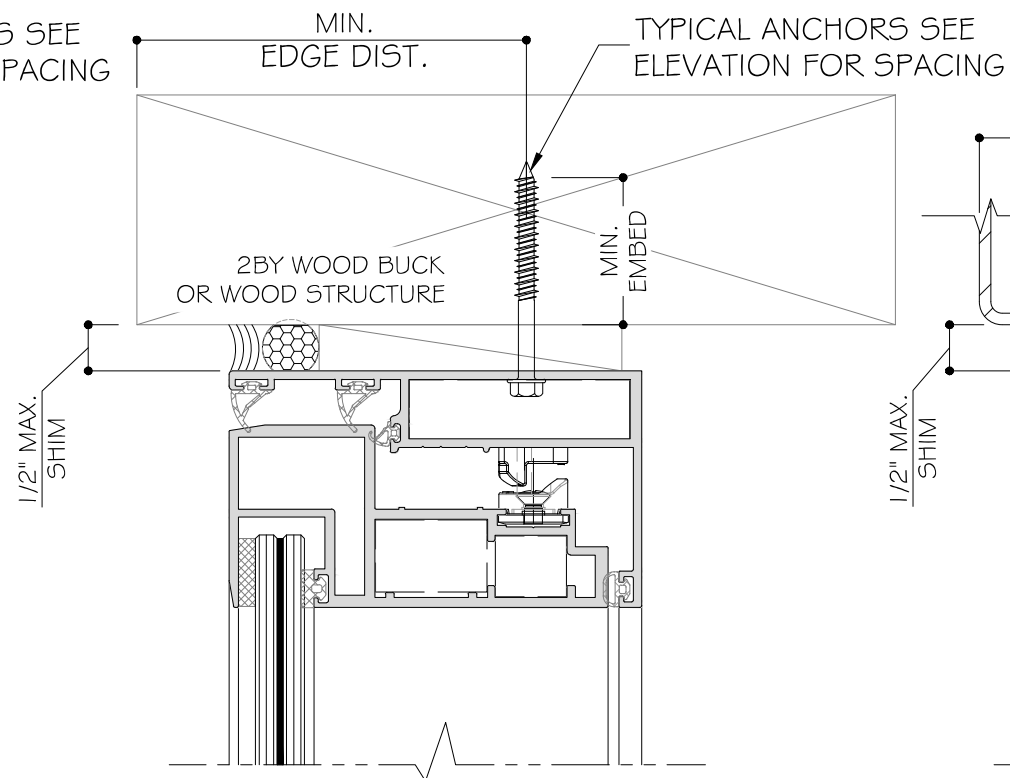
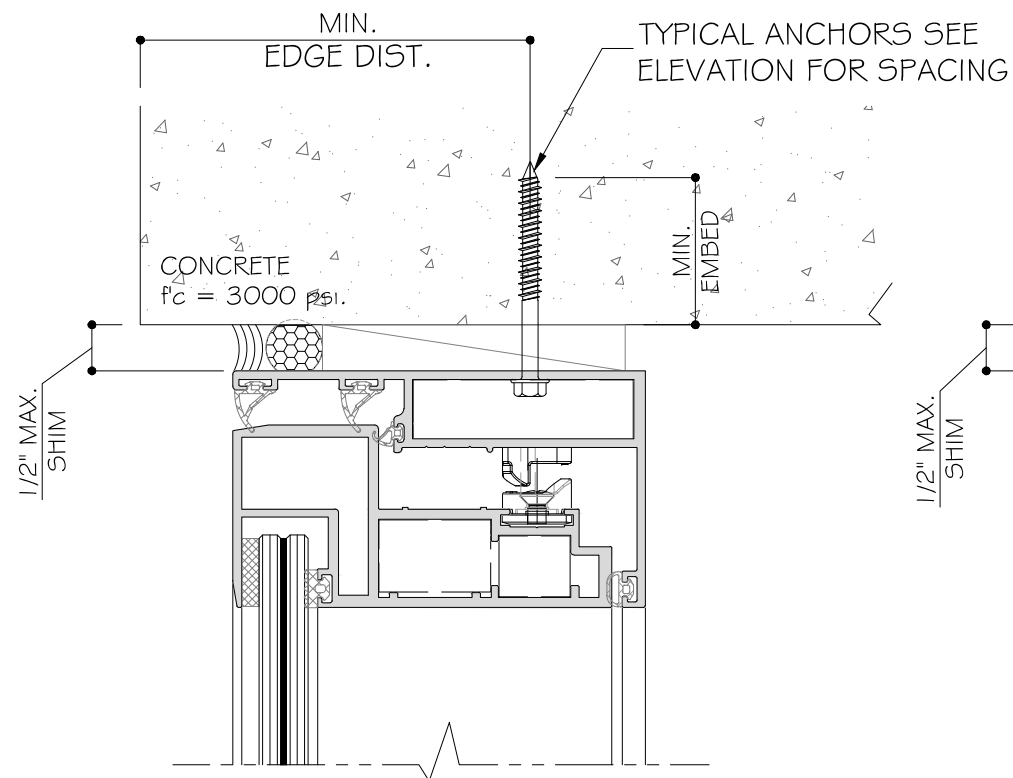
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Rev.	Date	Description	Drawn By
1	10/15/2020		

FLORIDA APPROVAL:
FL #32154.1
YIPING WANG
LICENSE
No 55983
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Rev. 1 10/15/2020
Drawn Date 05/18/2020
Scale
DRAWING NO. AD20-16
D02
Sheet No. 4 OF 8

October 19th, 2020



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE A: 1/4" "ELCO" ULTRACON ($F_u = 177 \text{ KSI}$, $F_y = 155 \text{ KSI}$) INTO 2BY WOOD BUCKS OR WOOD STRUCTURE 1-1/2" MIN. PENETRATION & 1" O.C. MAX. THRU WOOD BUCK INTO CONCRETE OR MASONRY 1-3/4" MIN. EMBED

TYPE B: 1/4" "ELCO" ULTRACON ($F_u = 177 \text{ KSI}$, $F_y = 155 \text{ KSI}$) DIRECTLY INTO HOLLOW BLOCK OR GROUT FILLED BLOCK 1-3/4" MIN. EMBEDMENT

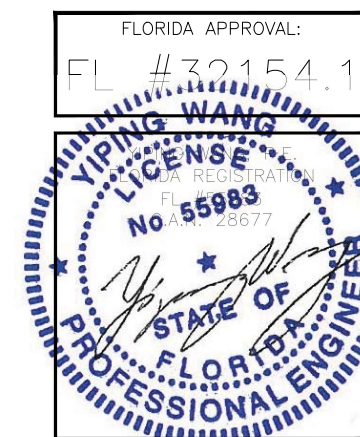
DIRECTLY INTO CONCRETE 1-3/4" MIN. EMBEDMENT

TYPE C: #14 TEKS OR SELF DRILLING SCREWS (GRADE 5 CR5) ($F_u = 120 \text{ KSI}$, $F_y = 92 \text{ KSI}$) INTO MIAMI-DADE COUNTY APPROVED MULLION OR (1) INTO METAL STRUCTURES (2) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN). STEEL: 1/8" THK. MIN. ($F_y = 36 \text{ KSI MIN.}$)

MIN. EDGE DIST:
INTO CONCRETE OR BLOCKS: 2-1/2" MIN.
INTO WOOD STRUCTURE: 1" MIN.
INTO METAL STRUCTURE: 3/4" MIN

WOOD AT HEAD, SILL OR JAMBS: SG = 0.55 MIN.
CONCRETE AT HEAD/SILL OR JAMBS: $f'_c = 3000 \text{ PSI MIN.}$
C-90 HOLLOW/FILLED BLOCK AT JAMBS: $f'_m = 2000 \text{ PSI MIN.}$

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



SERIES 7600-BM PROJECTED-OUT WINDOW SYSTEMS (L-M.I.)

CONTINENTAL GLASS SYSTEMS INC.

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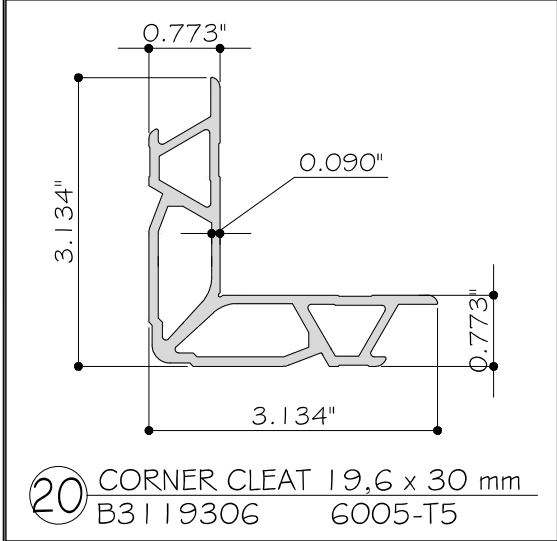
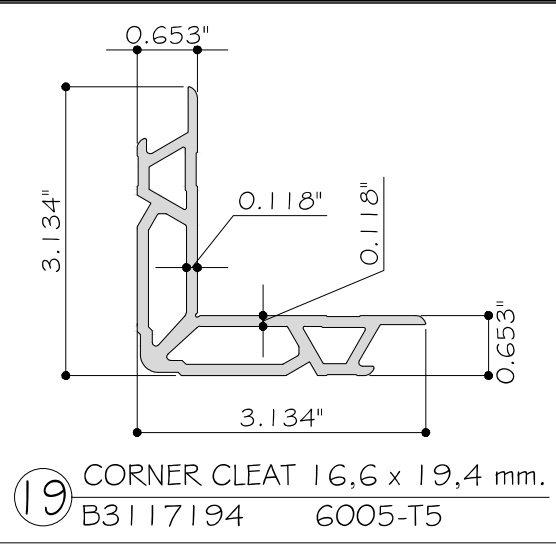
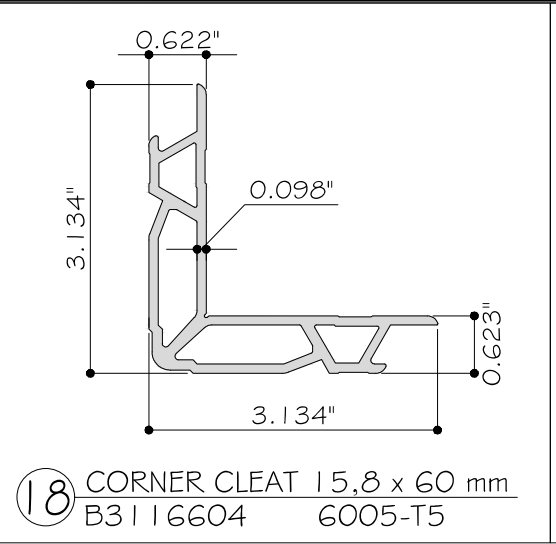
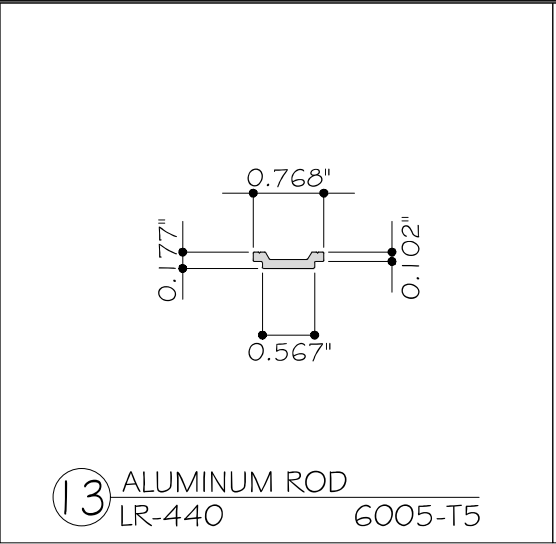
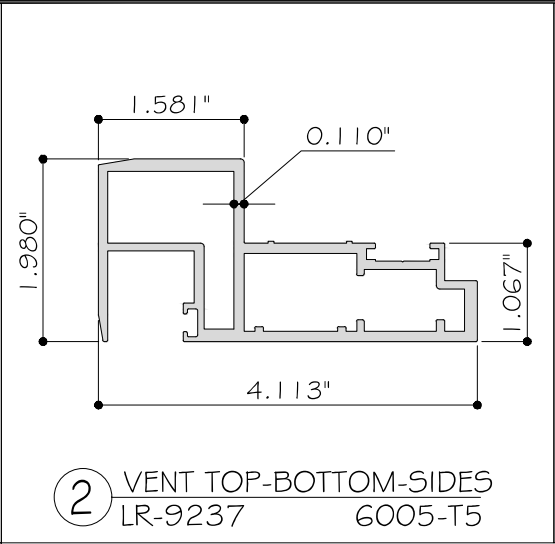
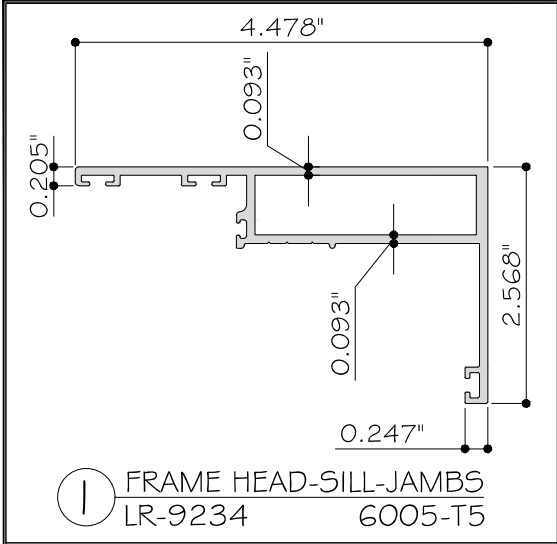
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October 19th, 2020



FLORIDA APPROVAL:
FL #32154.1

YIPING WANG
FLORIDA REGISTRATION
No 55983
A.M. 28677

STATE OF FLORIDA
PROFESSIONAL ENGINEER

MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PARKWAY #301 P: 786.360.2786 MIRAMAR, FL 33027 F: 305.271.0117 www.MCYEngineering.com mcy@mcyengineering.com	
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CONTINENTAL GLASS SYSTEMS INC.	
325 WEST 74TH PLACE HIALEAH, FL 33014 TEL. (305) 231-1101 FAX. (305) 231-1103	
Rev. 1	10/15/2020
Update to FBC 2020	
Drawn Date	05/18/2020
Scale	
DRAWING NO.	
AD20-16	
PARTS	
Sheet No.	
6 OF 8	

BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	MANUF. / REMARKS
1	LR-9234	FRAME HEAD-SILL-JAMBS	ALUM. 6005-T5	LINEA ROSSA
2	LR-9237	VENT TOP-BOTTOM-SIDES	ALUM. 6005-T5	LINEA ROSSA
3	-	SETTING BLOCK AT 1/4" POINT DUROMETER 80 +/-5 SHORE-A	TPV	MELTPOINT
4	B7718348	26" TOP HUNG TYPE WINDOW	STAINLESS STEEL	GIESSE
5	B7415007	EURO OFFSET HANDLE	ALUMINUM	GIESSE
6	B7512262	CONNECTING BLOCK	ZAMAK	GIESSE
6A	02307	CONNECTING BLOCK	POLYAMIDE	GIESSE
7	0404101	ADJUSTABLE FASTENING PAWL	ZAMAK	GIESSE
8	B7514030	ADJUSTABLE FASTENING PAWL	ZAMAK	GIESSE
9	B7511213	STRIKER FOR FLAT FRAME	ZAMAK	GIESSE
10	B7511374	CURTAIN WALL FASTENING ELEMENT	ZAMAK AND NYLON	GIESSE
11	B7514019	CORNER DRIVE GACS	STAINLESS STEEL ZAMAK	GIESSE
12	0404101	STRIKER FOR FLAT FRAME	ZAMAK	GIESSE
13	LR-440	ALUMINUM ROD	ALUM. 6005-T5	GIESSE
14	B4510053	HIDDEN SASH FRAME GASKET (250 mt.)	EPDM,DUROMETER 70 +/-5 SHORE-A	SEÇİL KAUÇUK
15	B4510010	PRESSURE PLATE GASKET (210 mt.)	EPDM,DUROMETER 70 +/-5 SHORE-A	SEÇİL KAUÇUK
16	B4510090	CENTRAL GASKET FOR TOP HUNG WINDOW (180 mt.)	EPDM,DUROMETER 70 +/-5 SHORE-A	SEÇİL KAUÇUK
17	B4510056	HIDDEN SASH FRAME GASKET (370 MT.)	EPDM,DUROMETER 70 +/-5 SHORE-A	SEÇİL KAUÇUK
18	B3116604	CORNER CLEAT 15,8 x 60 mm.	ALUM.	LINEA ROSSA
19	B3117194	CORNER CLEAT 16,6 x 19,4 mm.	ALUM.	LINEA ROSSA
20	B3119306	CORNER CLEAT 19,6 x 30 mm.	ALUM.	LINEA ROSSA
FLORIDA APPROVAL: FL #32154.1 YIPING WANG FLORIDA REGISTRATION No 55983 FL. #28677 STATE OF FLORIDA PROFESSIONAL ENGINEER Rev. 1 10/15/2020 IM. UPDATE TO FBC 2020 Drawn Date 05/18/2020 Scale DRAWING NO. AD20-16 BOM Sheet No. 7 OF 8				

MCY

ENGINEERING, INC.

GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301 P: 786.360.2786
MIRAMAR, FL 33027 F: 305.271.0117

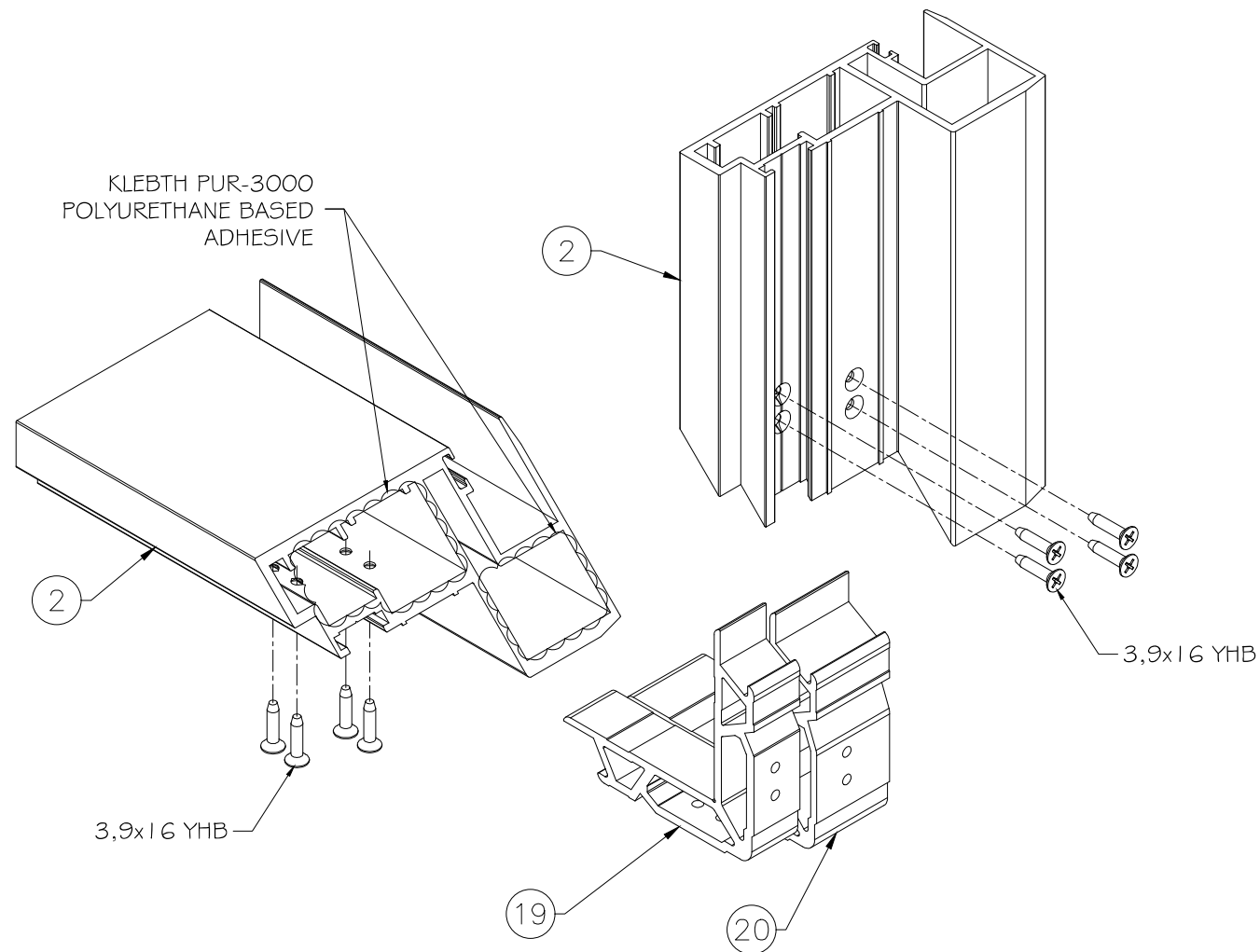
www.MCYEngineering.com

SERIES 7600-BM PROJECTED-OUT WINDOW SYSTEMS (L-M.I.)

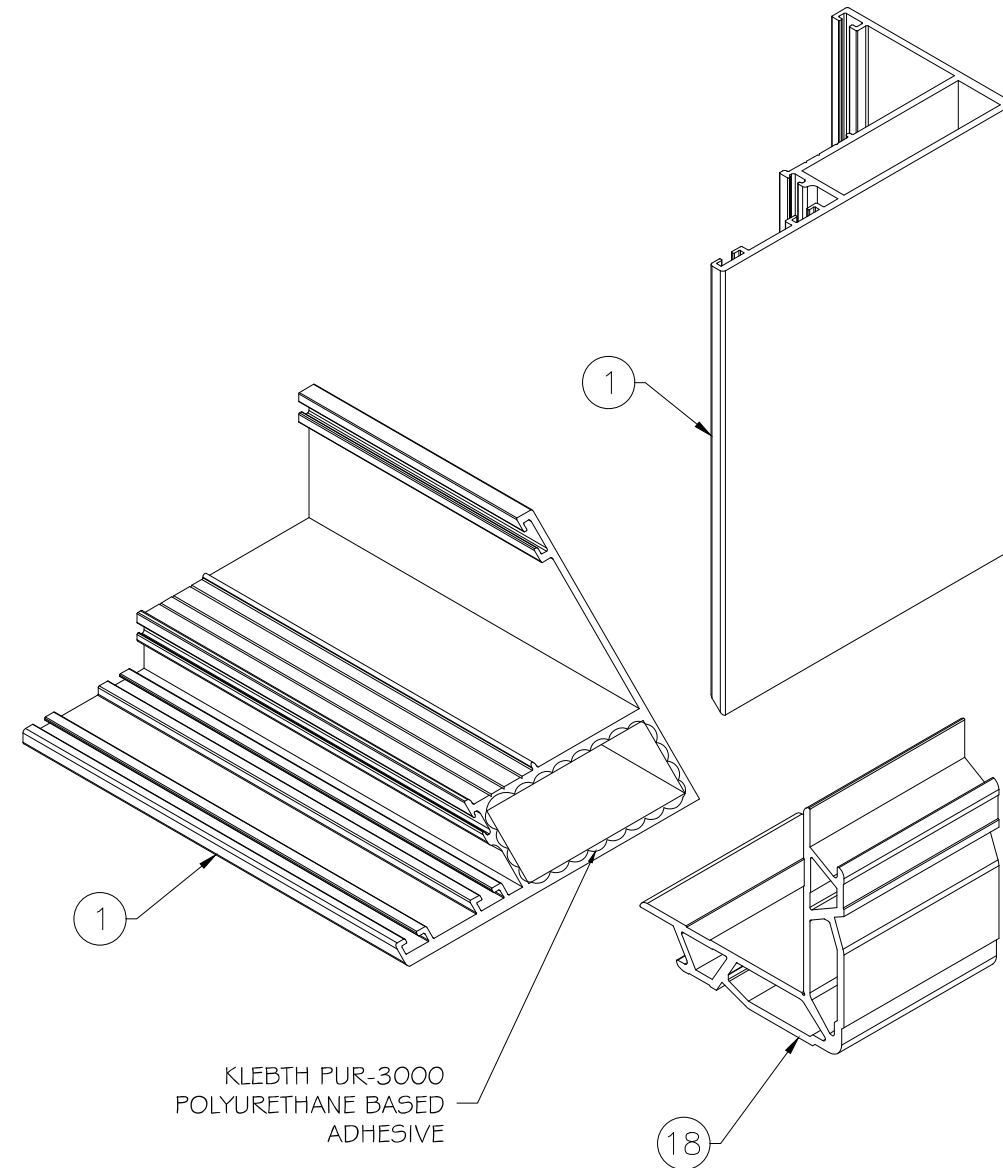
CONTINENTAL GLASS SYSTEMS INC.

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

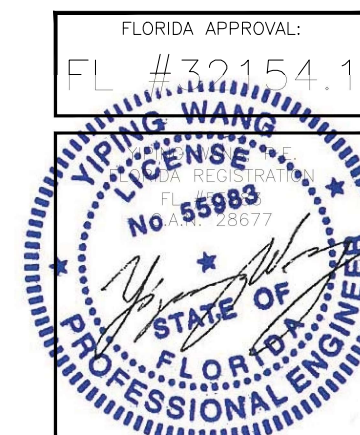
October 19th, 2020



VENT TOP-BOTTOM-SIDES CORNER



FRAME HEAD-SILL-JAMBS CORNER



Rev.	1	10/15/2020	LM.	UPDATE TO FBC 2020
Drawn By				
Date				
Rev. No.				
Drawn Date	05/18/2020			
Scale				

DRAWING NO.
AD20-16

ISO
Sheet No.
8 OF 8