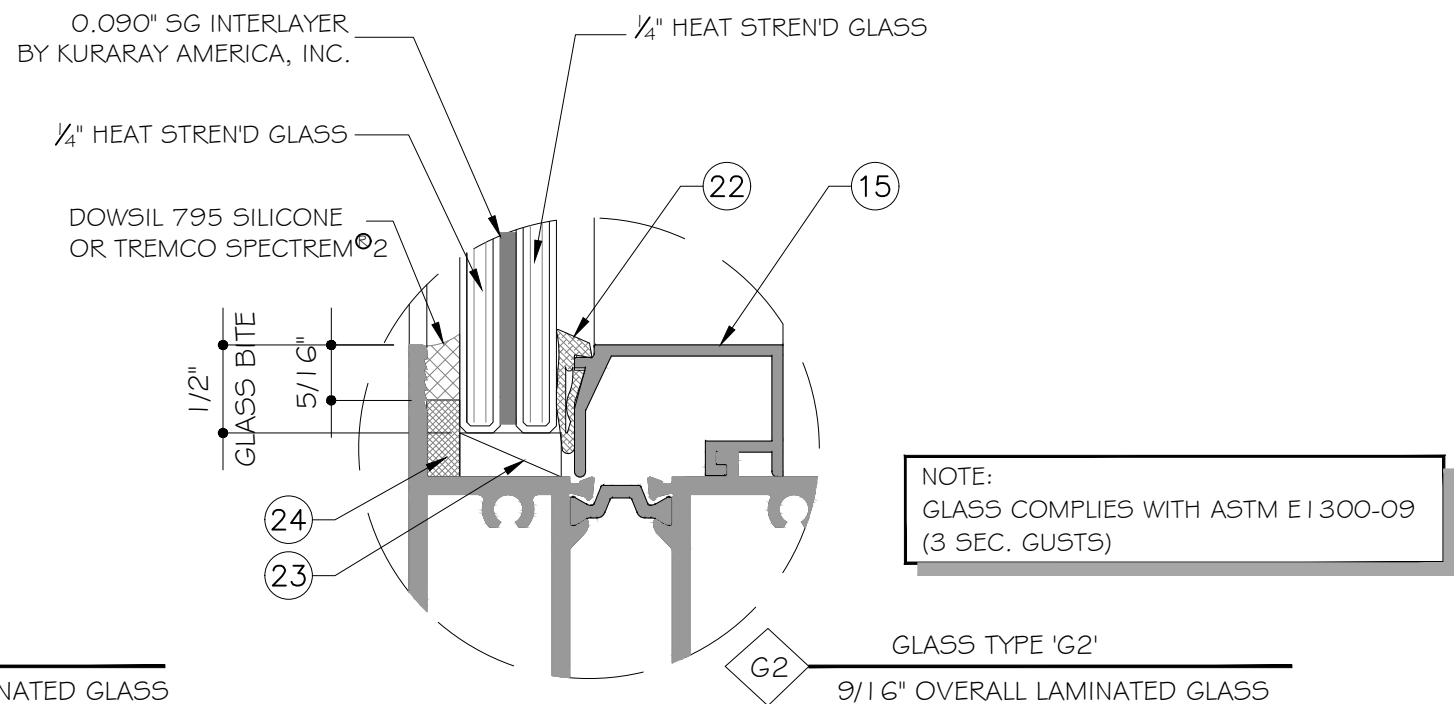
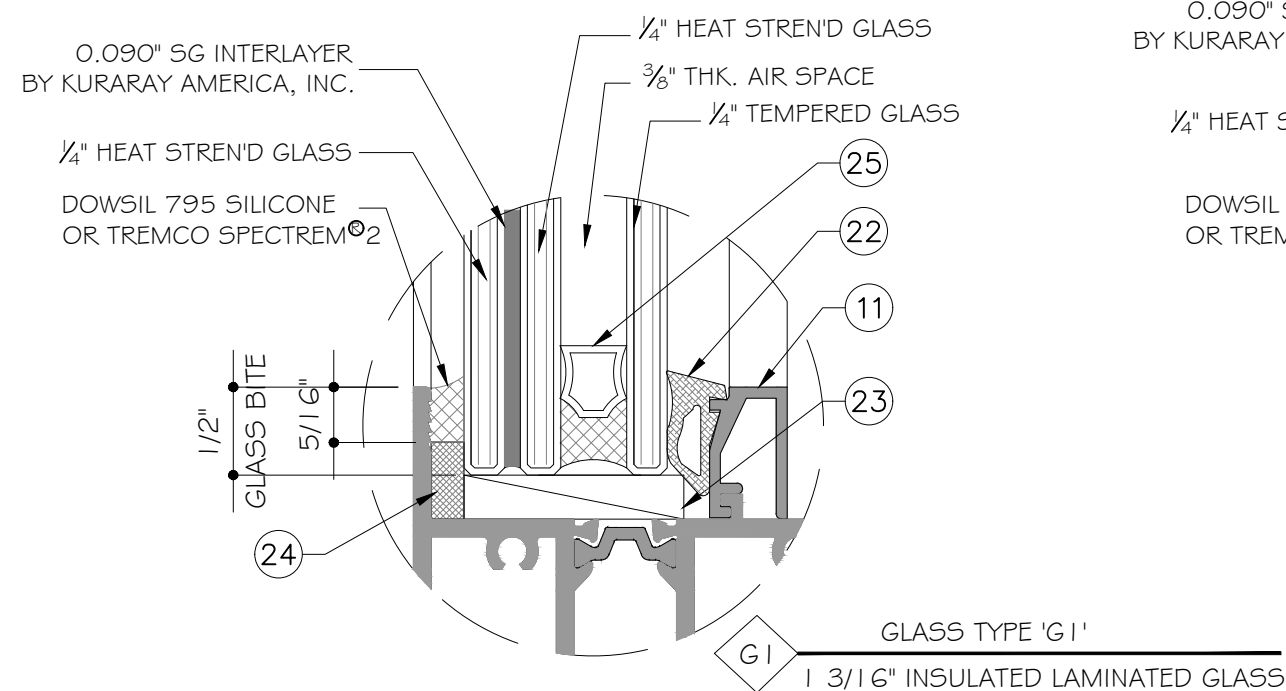


SERIES HR6-SF STOREFRONT SYSTEM
LARGE MISSILE IMPACT (L.M.I.)
IMPACT LEVEL "D"



GENERAL NOTES:

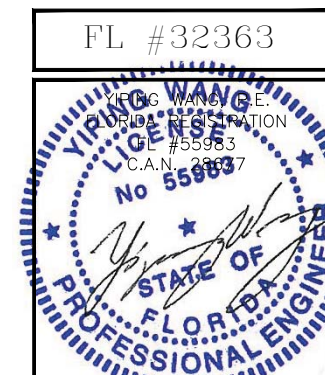
- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 6TH EDITION FLORIDA BUILDING CODE (2017) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- WINDOW WALL RATED FOR LARGE MISSILE IMPACT, SYSTEM TESTED FOR IMPACT LEVEL "D".
- THESE WINDOWS ARE APPROVED FOR AIR AND WATER INFILTRATION.
- 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 FLORIDA BUILDING CODE (2017) 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, 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 STANDARD.
- STEP 2: SEE COVER FOR GLASS OPTIONS.
SEE SHEET E1 & E2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE BASED ON APPLICABLE WIND DURATION.
- STEP 3: SEE ANCHOR TYPE ON SHEET A1. SEE SHEET E1 & E2 FOR ANCHOR SPACING.

ABBREVIATIONS AND SYMBOLS	
D.L.O. - DAYLITE OPENING	
F.H. - FRAME HEIGHT	
F.W. - FRAME WIDTH	
W/ - WITH	
W/O - WITHOUT	SHEET NUMBER
O.C. - ON CENTER	



MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PARKWAY #301 P. 786.360.2786 F. 305.271.0117 www.MCYEngineering.com mcy@mcyengineering.com	
SERIES HR6-SF STOREFRONT SYSTEM CUHADAROGLU METAL SAN.PAZA.S YAKUPLU MAH. HURRIYET BULVARI NO:6-8 BEYLIKDUZU ISTANBUL, TURKIYE 34524 TEL. +90 212 224 2020 FAX. +90 212 224 2040	
Rev. No.	Description
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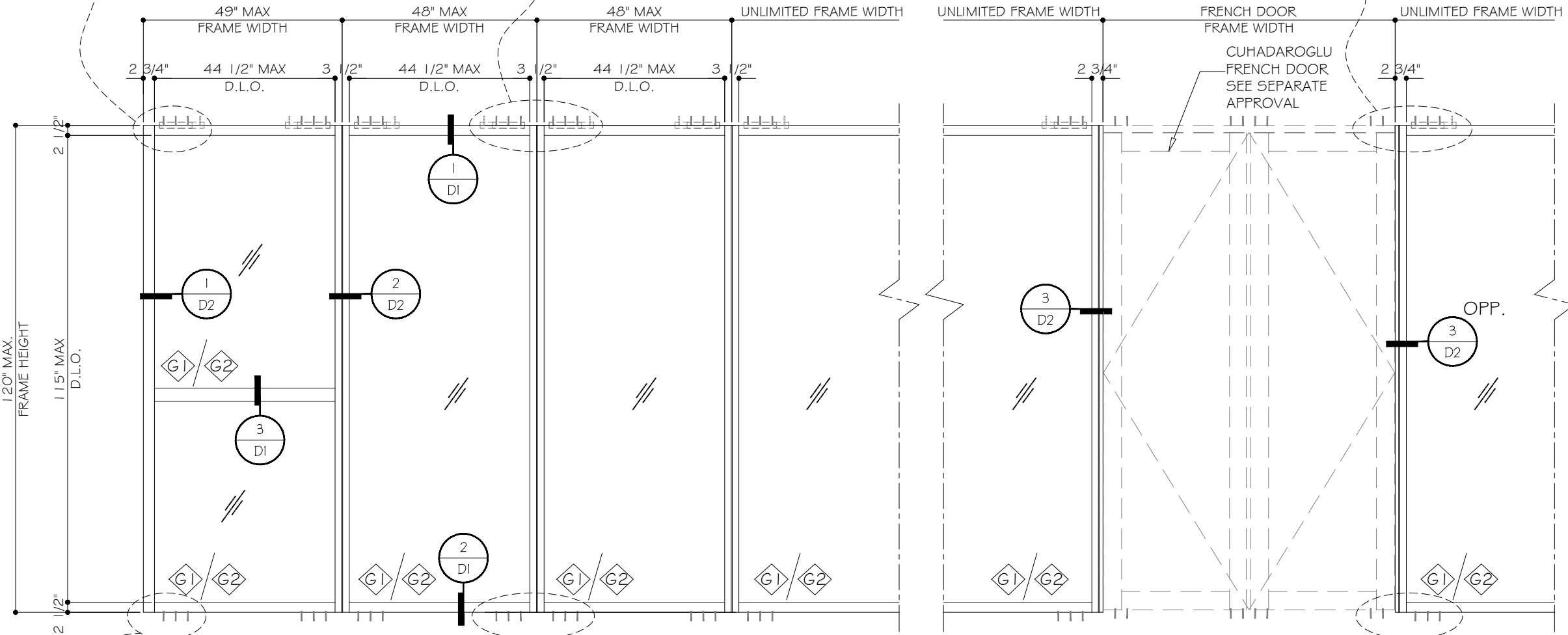
ANCHORS TYPE SEE SHEET A1

(1) EXTRA ANCHOR ONLY FOR ANCHORS INTO WOOD

(1) EXTRA ANCHOR AT EACH SIDE ONLY FOR ANCHORS INTO WOOD

ANCHORS TYPE SEE DOOR APPROVAL

(1) EXTRA ANCHOR ONLY FOR ANCHORS INTO WOOD



120" MAX.
FRAME HEIGHT

115" MAX
D.L.O.

2 1/2"

2 3/4"

44 1/2" MAX
D.L.O.

3 1/2"

44 1/2" MAX
D.L.O.

3 1/2"

44 1/2" MAX
D.L.O.

3 1/2"

UNLIMITED FRAME WIDTH

UNLIMITED FRAME WIDTH

FRENCH DOOR
FRAME WIDTH

UNLIMITED FRAME WIDTH

CUHADAROGU
FRENCH DOOR
SEE SEPARATE
APPROVAL

2 3/4"

2 3/4"

OPP.

ANCHORS TYPE SEE SHEET A1

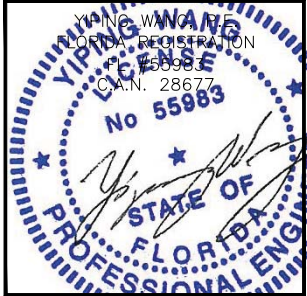
NOTE:

HEAD & SILL ANCHOR CONDITIONS ARE INTERCHANGEABLE

TYPICAL EXTERIOR ELEVATIONS

MAX. DESIGN LOAD (FOR SIZES SHOWN ABOVE OR SMALLER) AS PERMITTED BY FBC
+ 70PSF
- 70 PSF

FL #32363



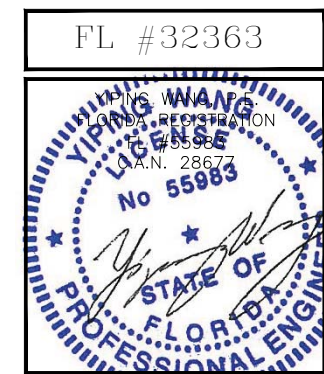
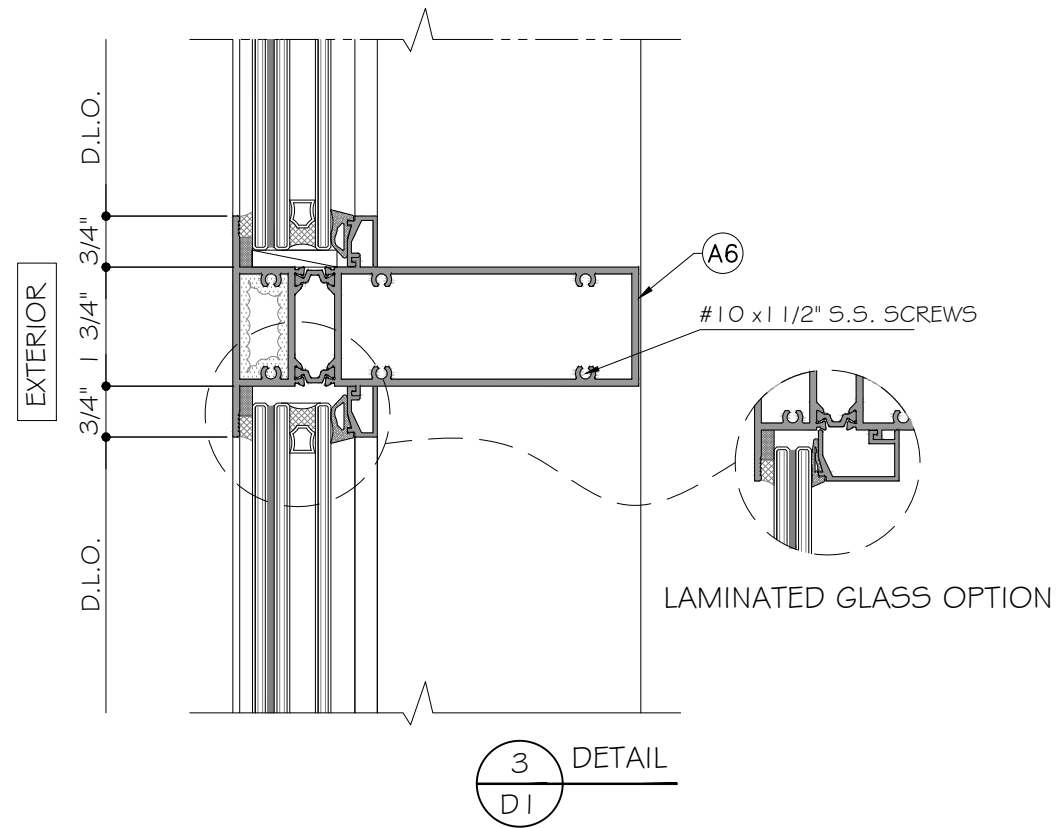
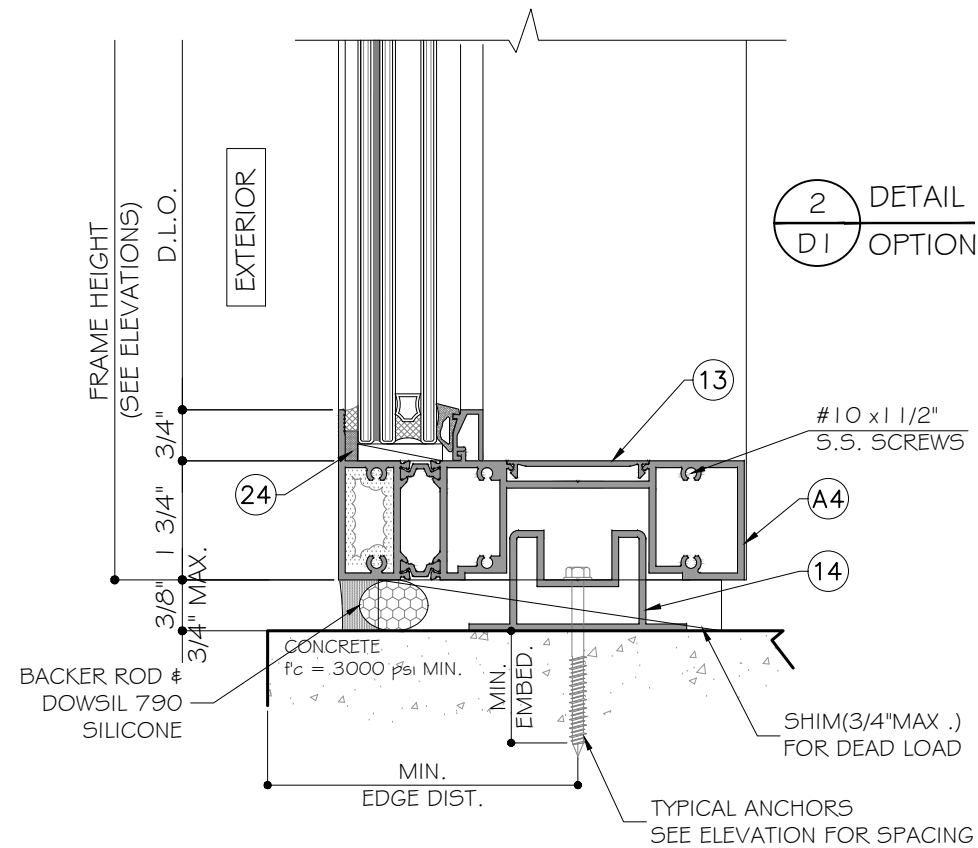
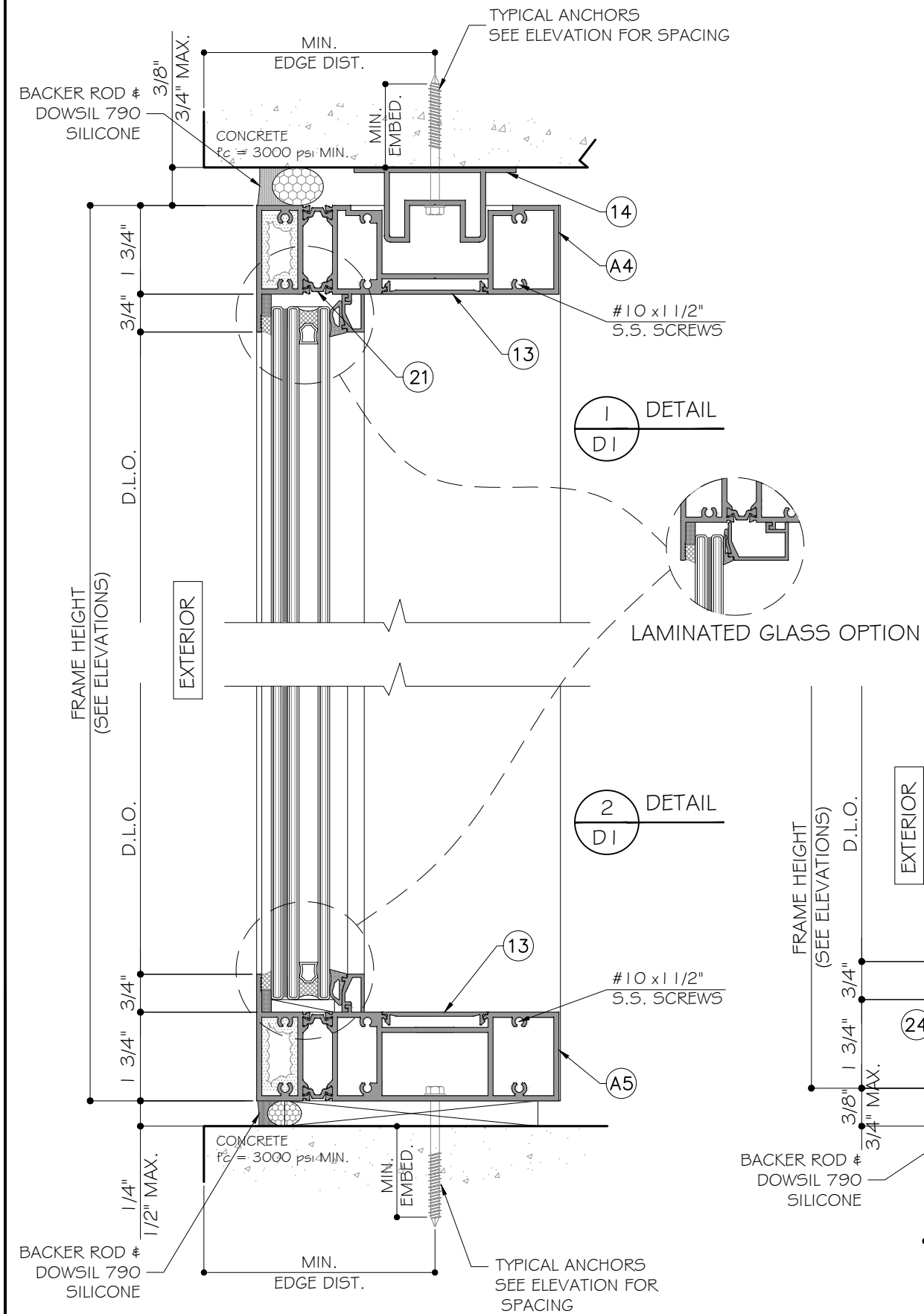
SERIES HR6-SF STOREFRONT SYSTEM
CUHADAROGU METAL SAN.PAZ.A.S
YAKUPLU MAH. HURRIYET BULVARI NO:6-8 BEYLKIDUZU
ISTANBUL, TURKIYE 34524
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E1	
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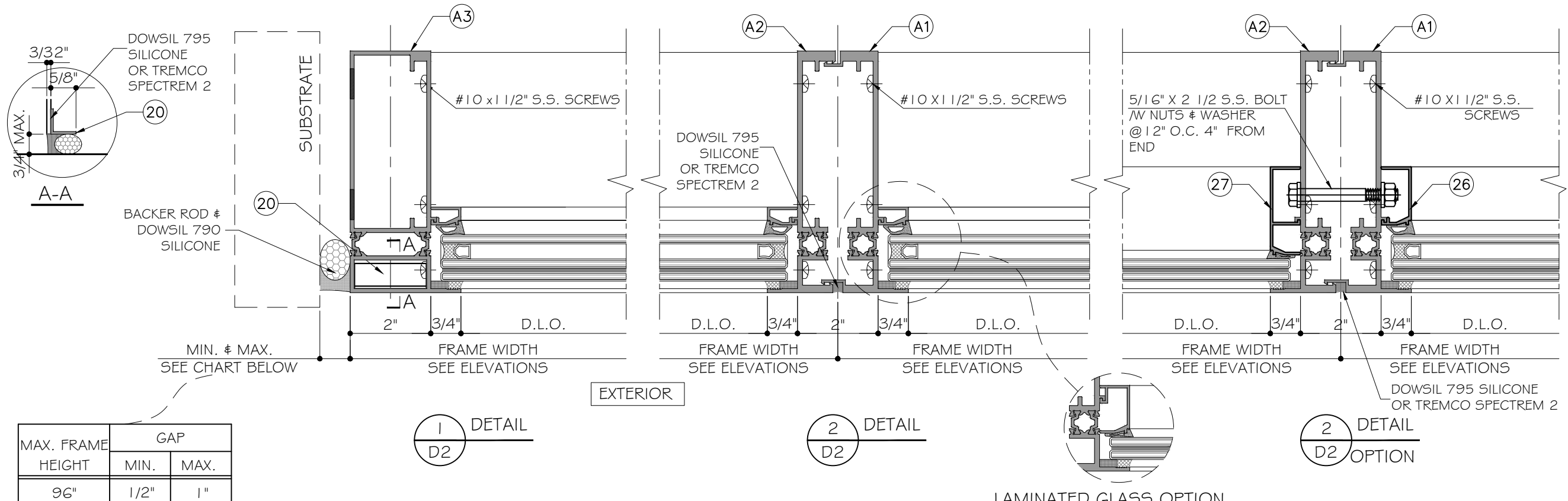
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GLAZING CONSULTANTS
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MIRAMAR, FL 33027 F: 305.271.0117
www.MCYEngineering.com mcy@mcyengineering.com

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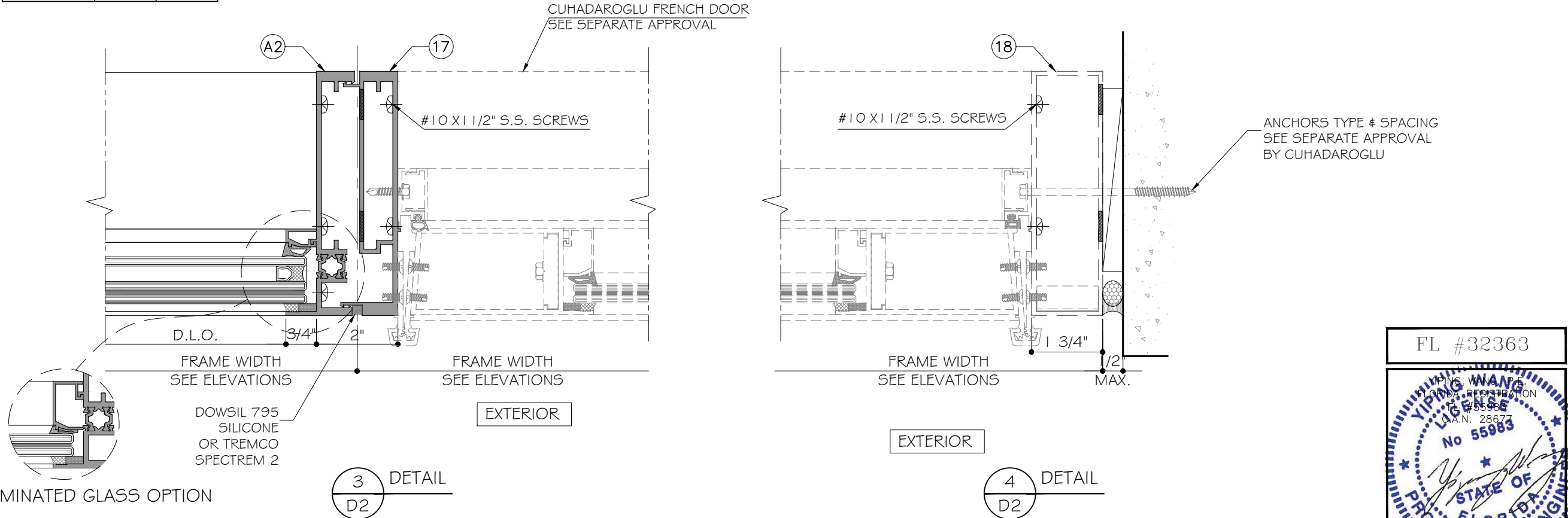


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June 8th, 2020



MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
96"	1/2"	1"
120"	5/8"	1"



FL #32363

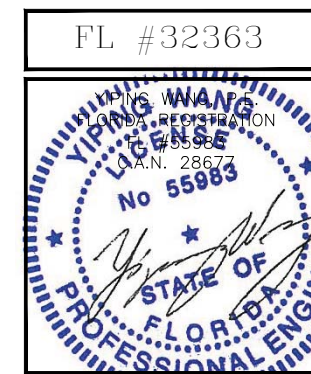
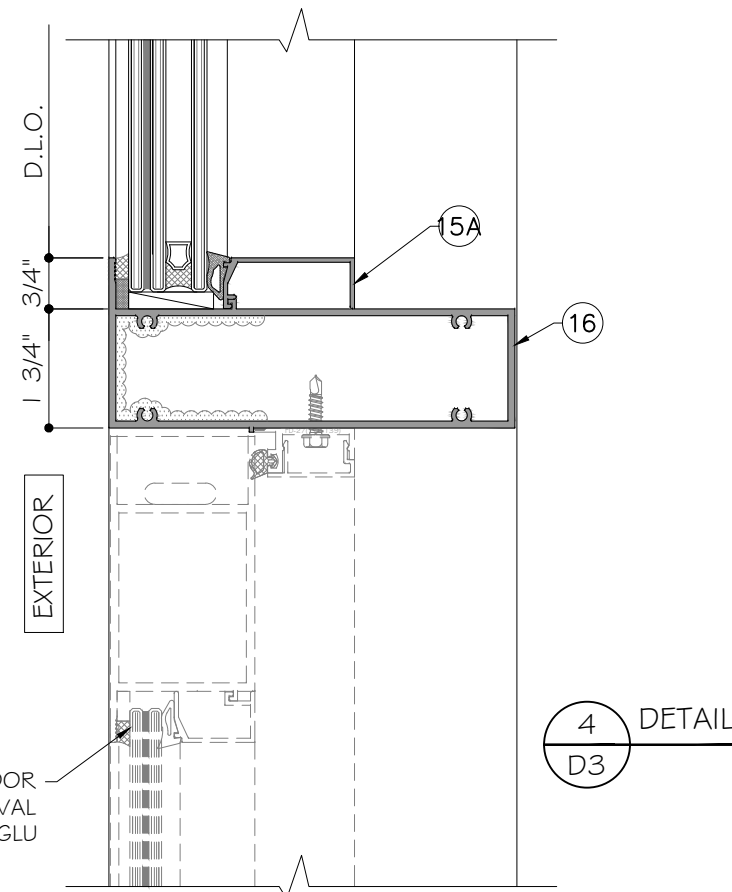
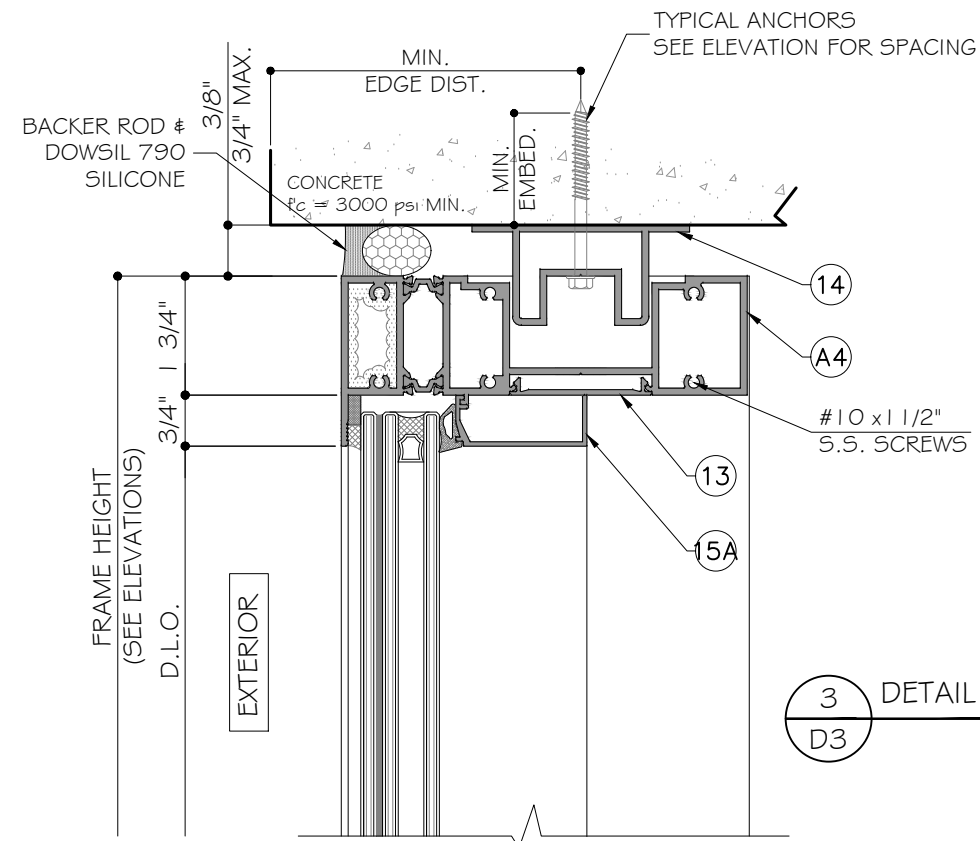
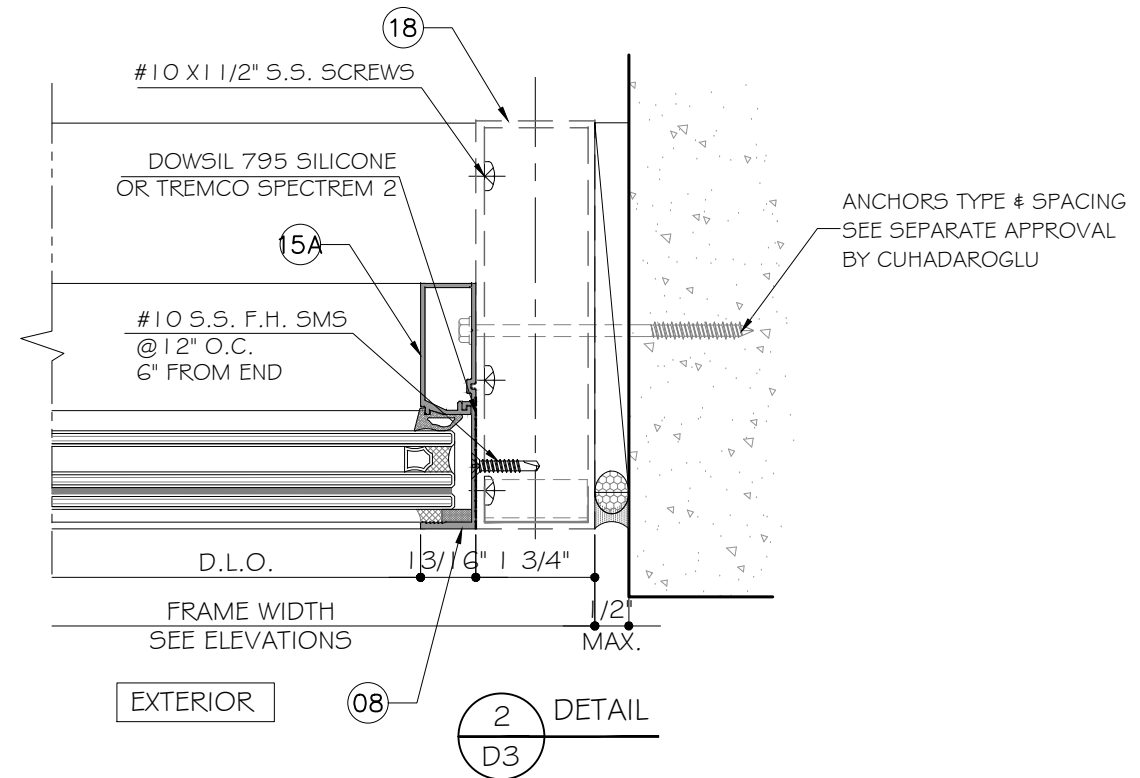
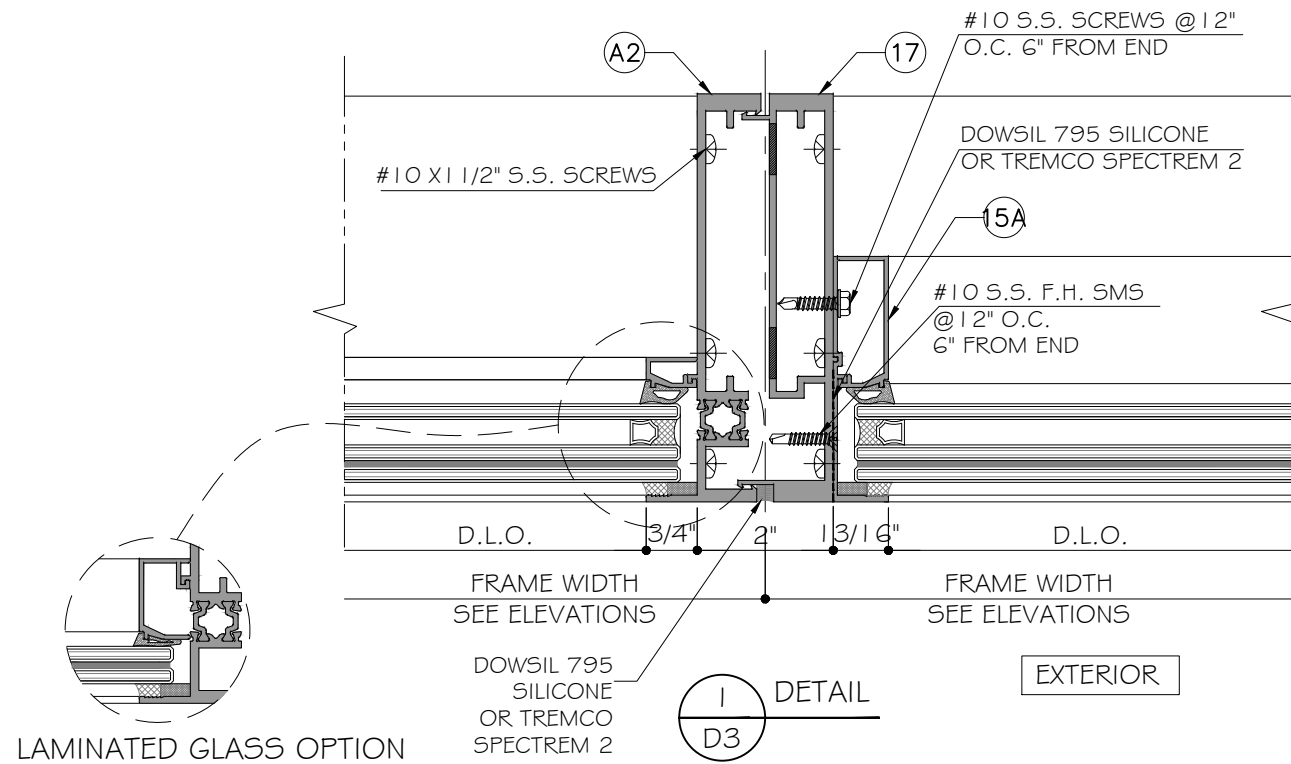
YIPING WANG
 PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 LICENSE NO. 55983
 EXPIRATION DATE 12/31/2024

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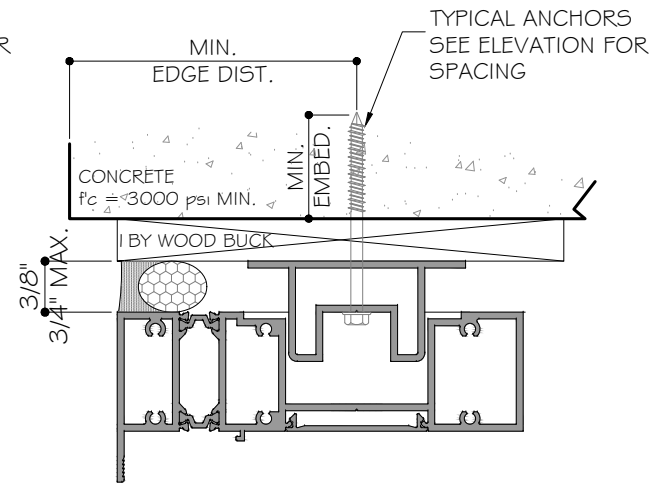
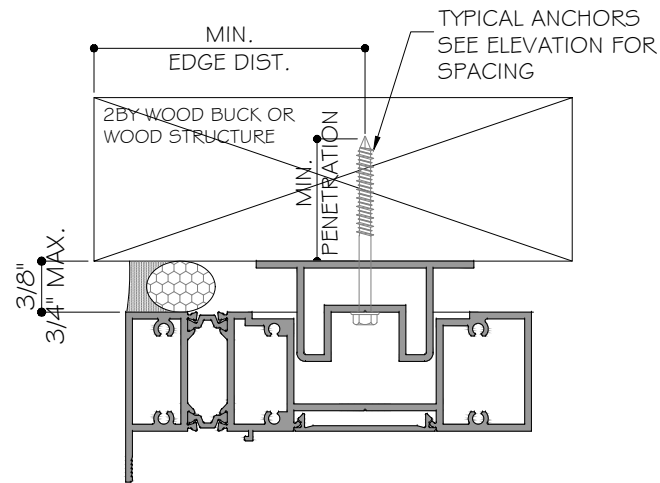
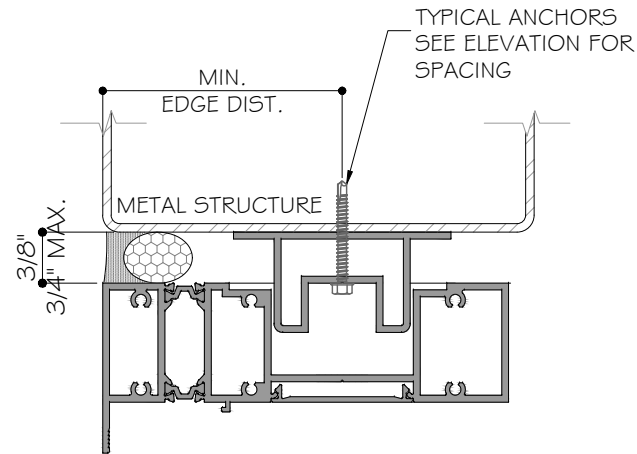
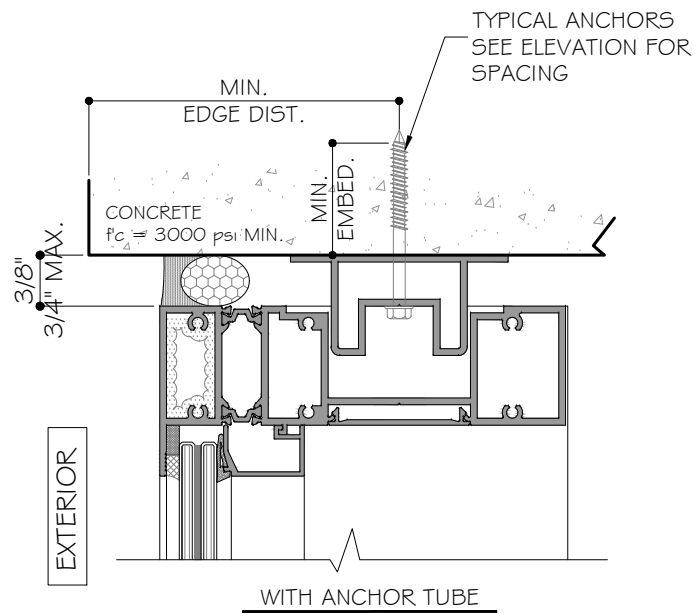
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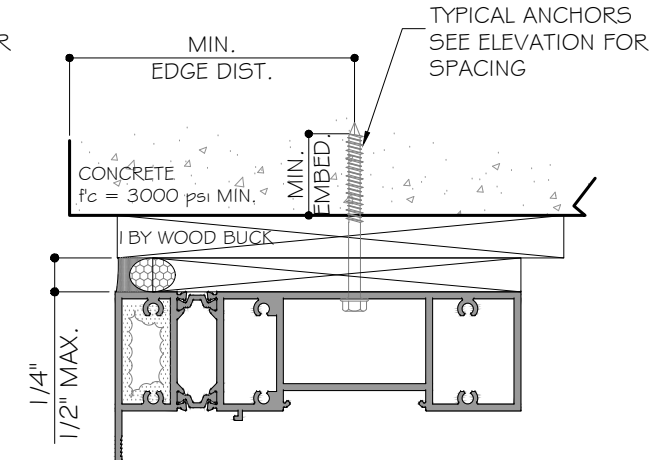
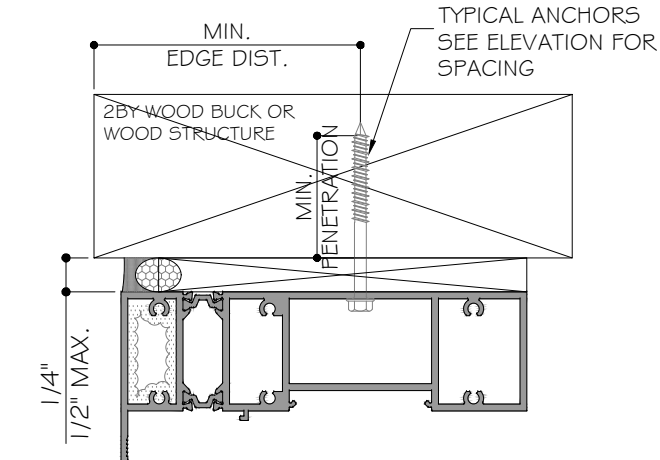
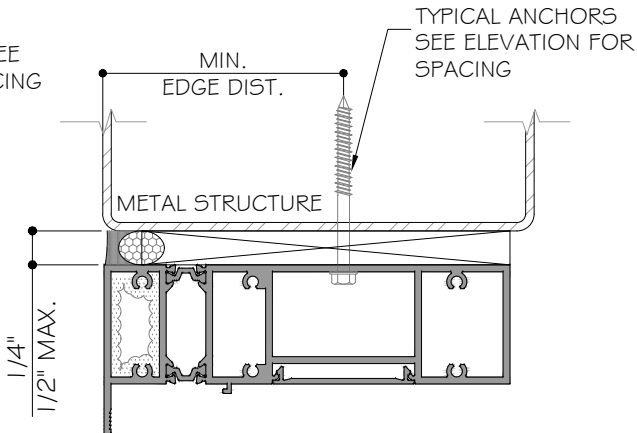
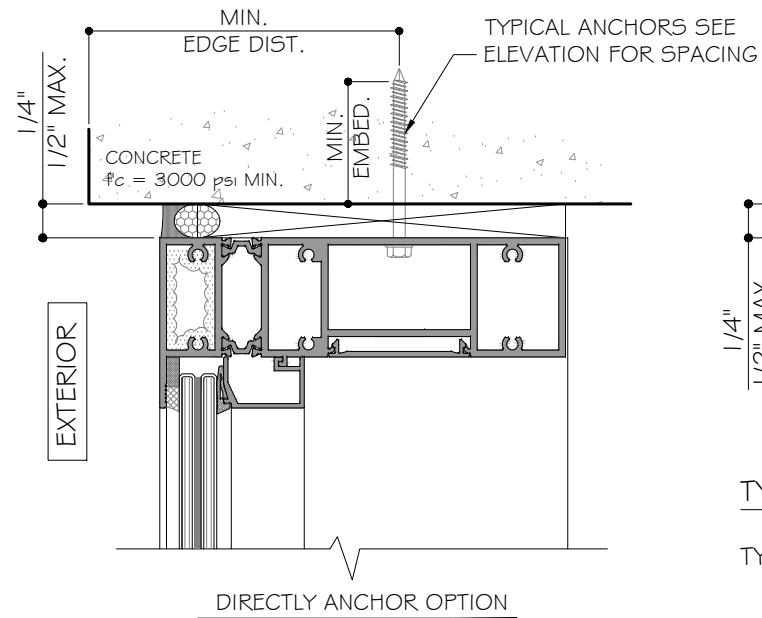


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June 8th, 2020



WOOD BUCKS AND METAL STRUCTURE BY OTHERS . MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE A: 5/16" DIA. "ELCO" ULTRACON (F_u = 177KSI, F_y = 155KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
 1 - 1/2" MIN. PENETRATION

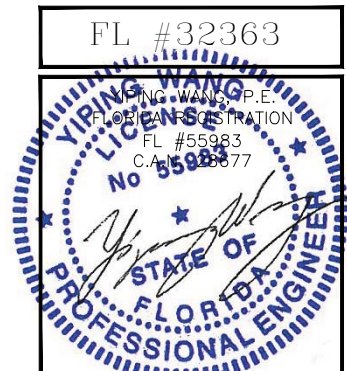
THRU 1 BY WOOD BUCK INTO CONCRETE
 OR DIRECTLY INTO CONCRETE
 WITH 1 - 3/4" MIN. EMBED

TYPE B: 5/16" DIA. "ELCO" DRIL-FLEX (GRADE 5 CRS)(F_u = 120KSI, F_y = 92KSI)
 INTO MIAMI-DADE COUNTY APPROVED MULLION OR
 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 KSI MIN.)

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

NOTE:
 HEAD & SILL ANCHOR CONDITIONS
 ARE INTERCHANGEABLE

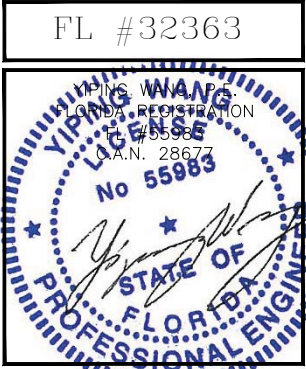
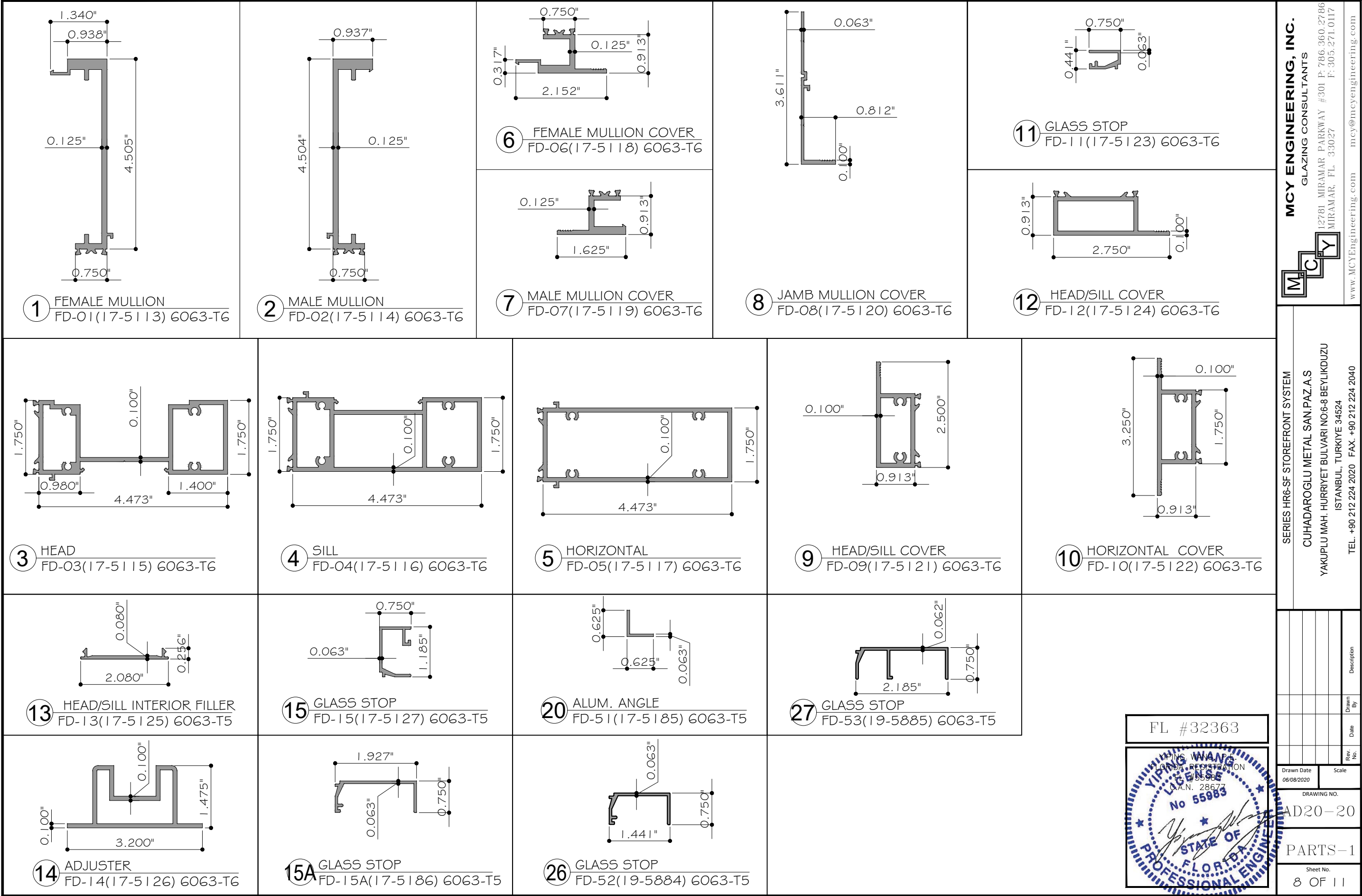


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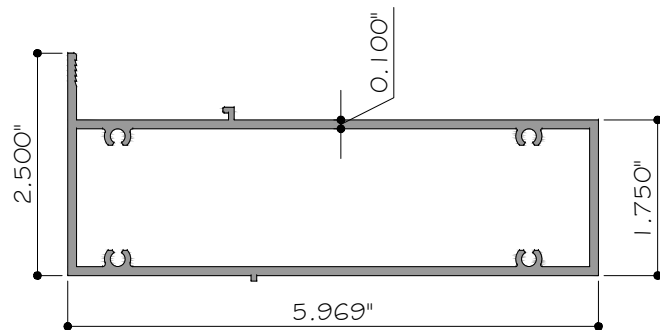
SERIES HR6-SF STOREFRONT SYSTEM
 CUHADAROGLU METAL SAN.PAZ.A.S
 YAKUPLU MAH. HURRIYET BULVARI NO:6-8 BEYLIKDUZU
 ISTANBUL, TURKIYE 34524
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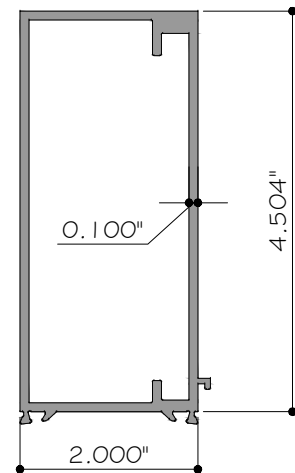
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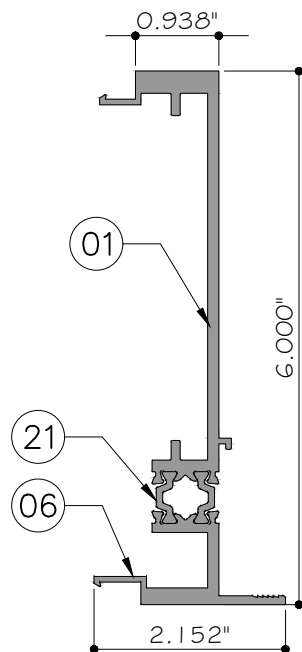
MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PARKWAY #301 P: 786.360.2786 MIRAMAR, FL 33027 F: 305.271.0117 www.MCYEngineering.com mcy@mcyengineering.com	
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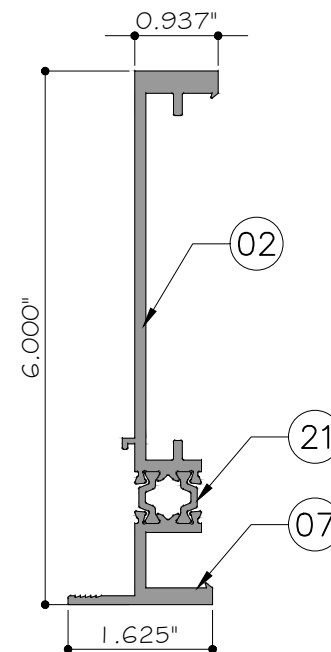
16 HORIZONTAL
FD-21(17-5133) 6063-T6



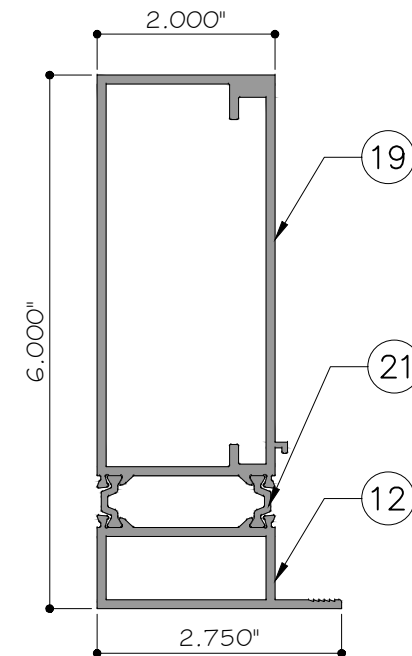
19 JAMB
FD-25(17-5137) 6063-T6



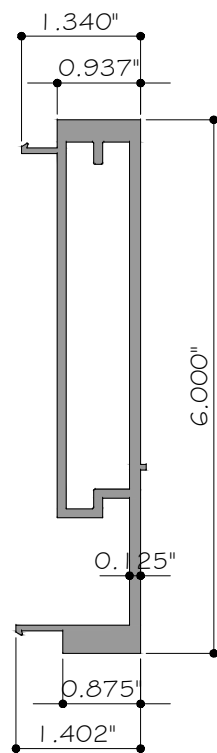
A1 FEMALE MULLION
WW26-A1



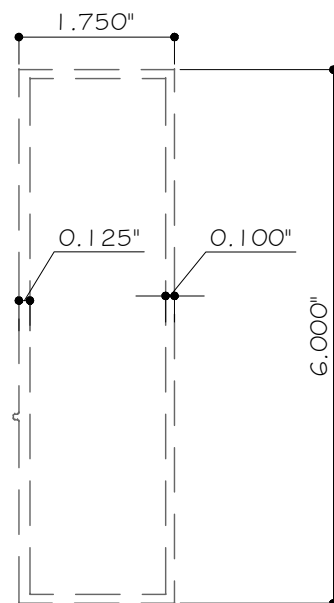
A2 MALE MULLION
WW26-A2



A3 JAMB
WW26-A3

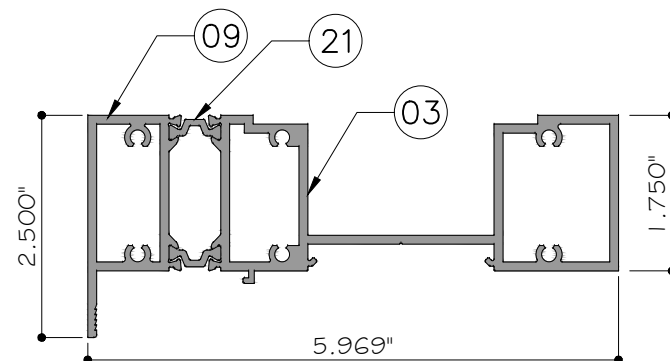


17 FEMALE MULLION
FD-22(17-5134) 6063-T6

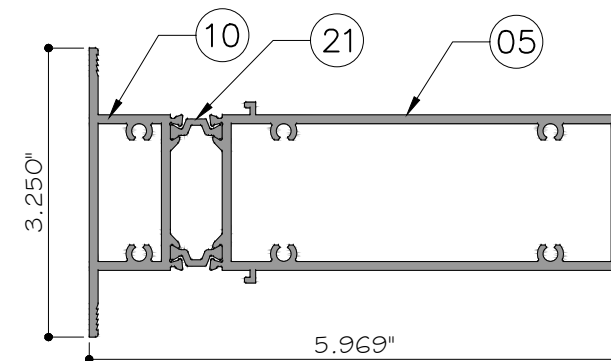


18 JAMB
FD-24(17-5136) 6063-T6

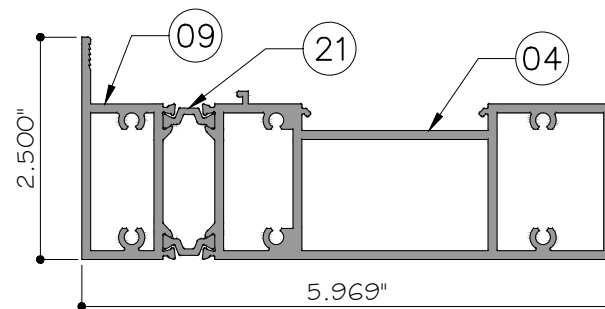
JAMB UNDER
SEPARATE
APPROVAL BY
CUHADAROGLU.



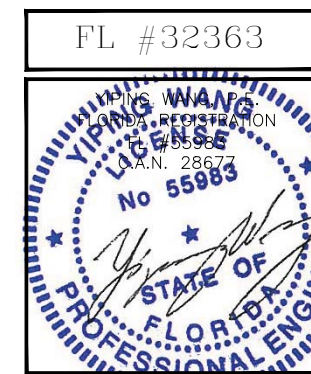
A4 HEAD
WW26-A4



A6 HORIZONTAL
WW26-A6



A5 SILL
WW26-A5



SERIES HR6-SF STOREFRONT SYSTEM
CUHADAROGLU METAL SAN.PAZA.S
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June 8th, 2020

BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	MANUF. / REMARKS
1	FD-01(17-5113)	FEMALE MULLION	ALUM. 6063-T6	CUHADAROGLU
2	FD-02(17-5114)	MALE MULLION	ALUM. 6063-T6	CUHADAROGLU
3	FD-03(17-5115)	HEAD	ALUM. 6063-T6	CUHADAROGLU
4	FD-04(17-5116)	SILL	ALUM. 6063-T6	CUHADAROGLU
5	FD-05(17-5117)	HORIZONTAL	ALUM. 6063-T6	CUHADAROGLU
6	FD-06(17-5118)	FEMALE MULLION COVER	ALUM. 6063-T6	CUHADAROGLU
7	FD-07(17-5119)	MALE MULLION COVER	ALUM. 6063-T6	CUHADAROGLU
8	FD-08(17-5120)	JAMB MULLION COVER	ALUM. 6063-T5	CUHADAROGLU
9	FD-09(17-5121)	HEAD/SILL COVER	ALUM. 6063-T6	CUHADAROGLU
10	FD-10(17-5122)	HORIZONTAL COVER	ALUM. 6063-T6	CUHADAROGLU
11	FD-11(17-5123)	GLASS STOP	ALUM. 6063-T5	CUHADAROGLU
12	FD-12(17-5124)	HEAD/SILL COVER	ALUM. 6063-T6	CUHADAROGLU
13	FD-13(17-5125)	HEAD/SILL INTERIOR FILLER	ALUM. 6063-T5	CUHADAROGLU
14	FD-14(17-5126)	ADJUSTER (LENGHT:5" FOR 2 ANCHORS; 8" FOR 3 ANCHORS; 11" FOR 4 ANCHORS)	ALUM. 6063-T6	CUHADAROGLU
15	FD-15(17-5127)	GLASS STOP	ALUM. 6063-T5	CUHADAROGLU
15A	FD-15A(17-5186)	GLASS STOP	ALUM. 6063-T5	CUHADAROGLU
16	FD-21(17-5133)	HORIZONTAL	ALUM. 6063-T6	CUHADAROGLU
17	FD-22(17-5134)	FEMALE MULLION	ALUM. 6063-T6	CUHADAROGLU
18	FD-24(17-5136)	JAMB	ALUM. 6063-T6	CUHADAROGLU / UNDER SEPARATE APPROVAL
19	FD-25(17-5137)	JAMB	ALUM. 6063-T6	CUHADAROGLU
20	FD-51(17-5185)	ALUM. ANGLE	ALUM. 6063-T5	CUHADAROGLU
21	WW26-33	THERMAL BROKEN BAR	POLYAMIDE, PA 66 GF 25	TECHNOFORM BAUTEC / 937600
22	WW26-34	GLAZING GASKET/SPACER	SILICONE OR EPDM (70 DURO. SHORE A)	TREMCO / TR-1126
23	-	0.25" THICKNESS SETTING BLOCK AT 1/4" POINT	EPDM (85 DURO. SHORE A)	TREMCO
24	-	GLASS SPACER, SGT-921 3/16" THK.	HIGH DENSITY POLYURETHANE TAPE	-
25	-	GLASS SPACER	TEK METAL PROFIL, ALUMINIUM BRUT SERIE 3003	T-ESKISEHIR
26	FD-52(19-5884)	GLASS STOP	ALUM. 6063-T5	CUHADAROGLU
27	FD-53(19-5885)	GLASS STOP	ALUM. 6063-T5	CUHADAROGLU
A1	WW26-A1	FEMALE MULLION	-	CUHADAROGLU
A2	WW26-A2	MALE MULLION	-	CUHADAROGLU
A3	WW26-A3	JAMB	-	CUHADAROGLU
A4	WW26-A4	HEAD	-	CUHADAROGLU
A5	WW26-A5	SILL	-	CUHADAROGLU
A6	WW26-A6	HORIZONTAL	-	CUHADAROGLU

FL #32363

YIPING WANG

PROFESSIONAL ENGINEER

FLORIDA

STATE OF

NO 55983

28673

06/08/2020

Drawn Date	Scale
06/08/2020	
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SERIES HR6-SF STOREFRONT SYSTEM

CUHADAROGLU METAL SAN.PAZA.S

YAKUPLU MAH. HURRIYET BULVARI NO:6-8 BEYLIKDUZU

ISTANBUL, TURKIYE 34524

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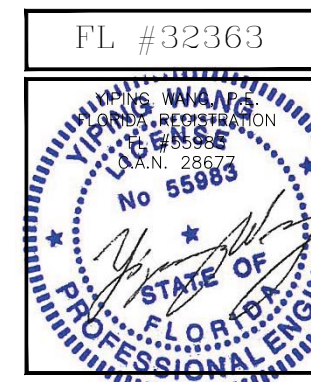
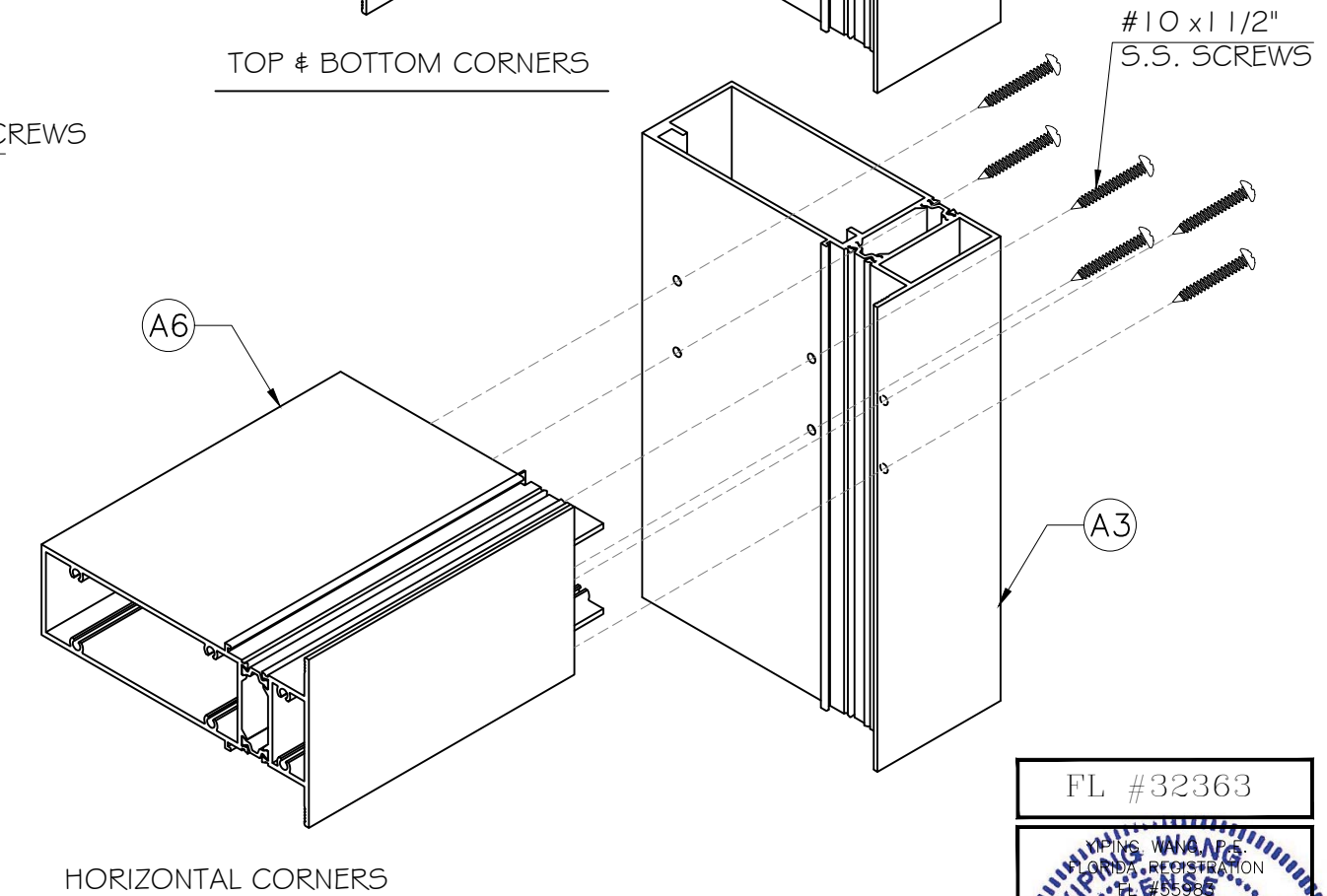
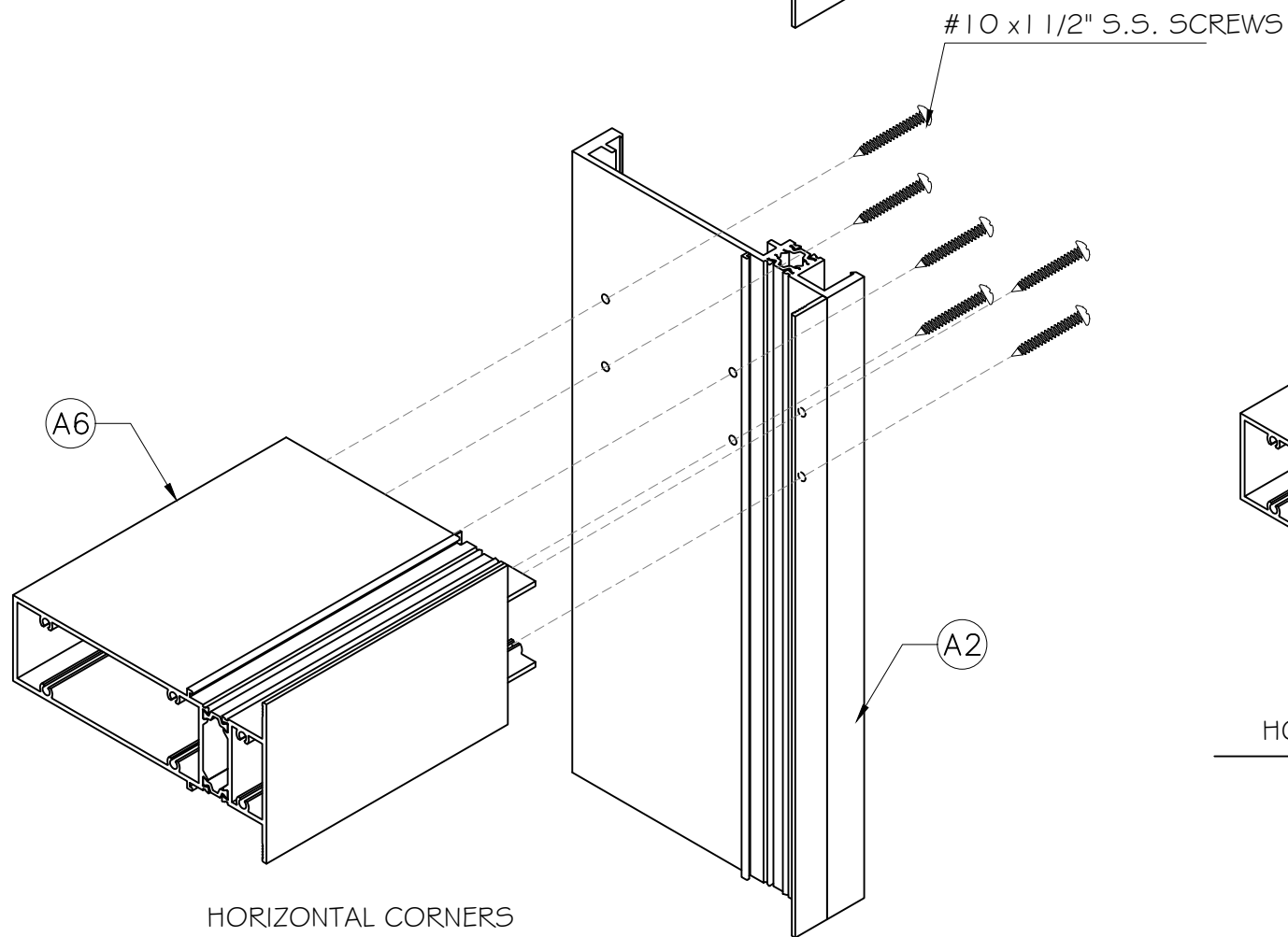
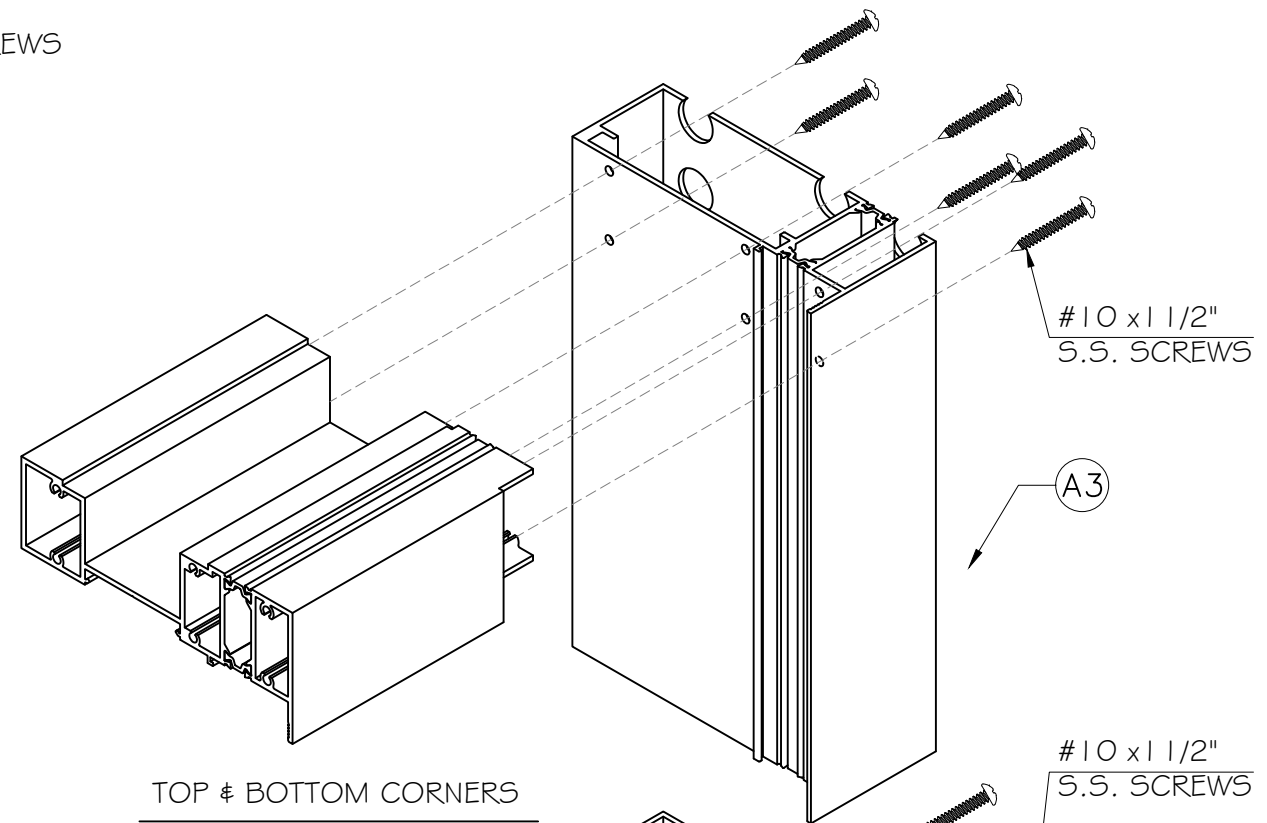
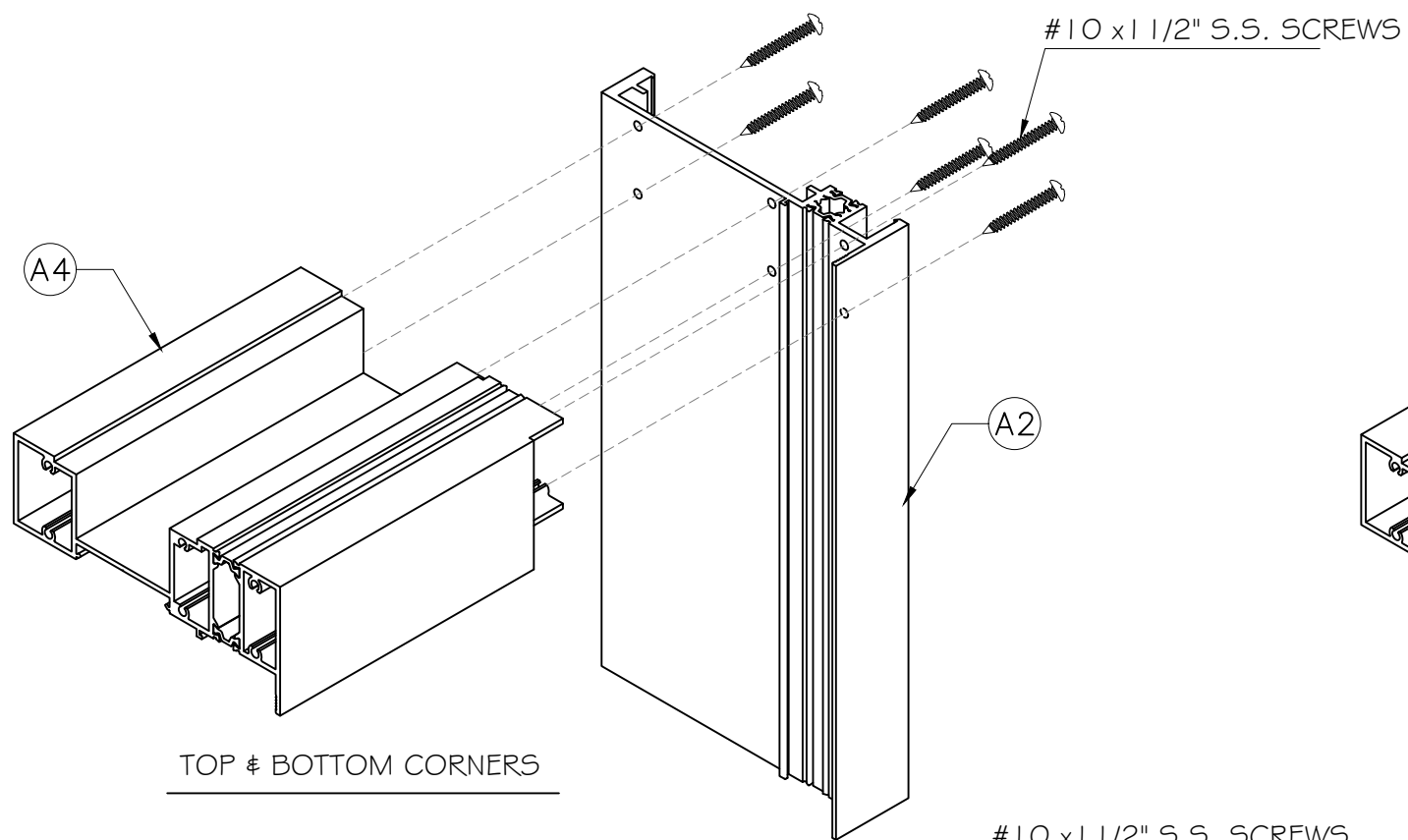
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SERIES HR6-SF STOREFRONT SYSTEM
CUHADAROGLU METAL SAN.PAZ.A.S
YAKUPLU MAH. HURRIYET BULVARI NO:6-8 BEYLIKDUZU
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