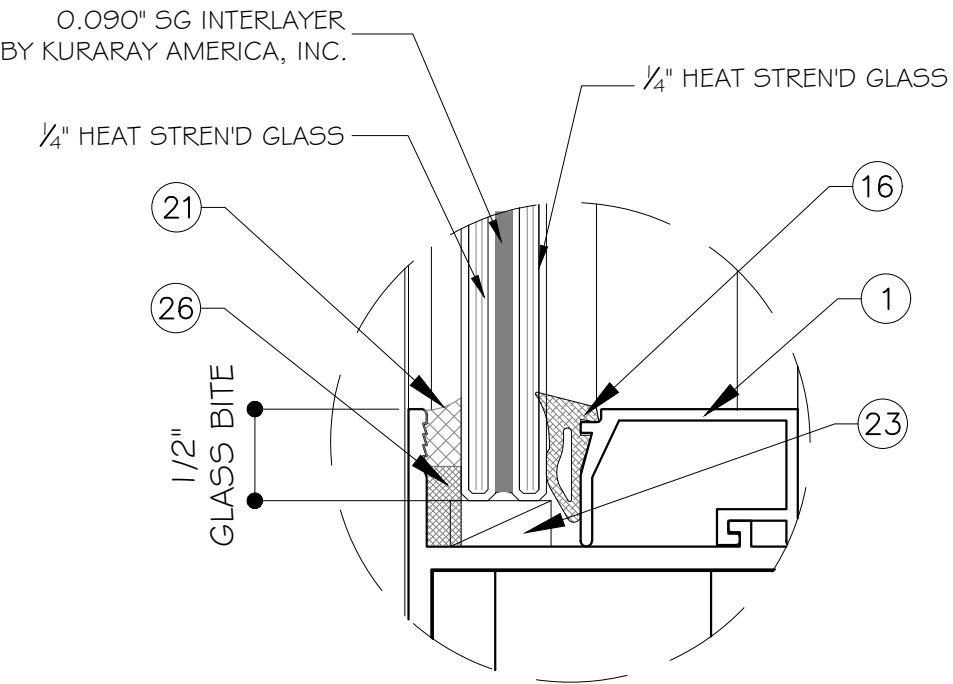


HR6-OD OUTSWING STOREFRONT SYSTEM
LARGE AND SMALL MISSILE IMPACT (LMI & SMI)



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

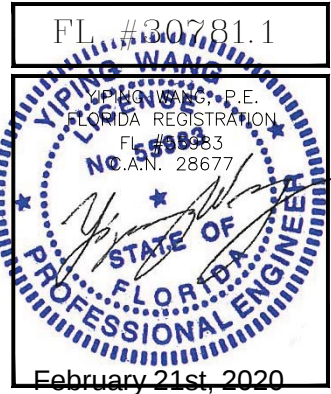
GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 6TH EDITION FLORIDA BUILDING CODE (2017) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- DOOR APPROVED FOR WATER INFILTRATION WITH THRESHOLD TYPE USED, SEE DETAIL OPTION ON SHEET D1.
- DOOR IS DESIGNED TO BE USED AT LARGE MISSILE AREA. SHUTTER IS NO REQUIRED.
- 1 BY OR 2BY WOOD BUCK BY OTHERS. WOOD BUCKS TO BE ANCHORED PROPERLY TO TRANSFER THE LOADS FROM GLAZING SYSTEM TO BUILDING STRUCTURE.
- 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 STRUCTURES 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 TYPICAL ELEVATION ON SHEET E1 FOR MAXIMUM SIZES AND DESIGN LOADS .
- STEP 3: SEE ANCHOR TYPE ON SHEET D3. SEE SHEET E1 FOR ANCHOR SPACING.

ABBREVIATIONS AND SYMBOLS	
D.L.O. - DAYLITE OPENING	CL - CENTER LINE
F.H. - FRAME HEIGHT	S.S. - STAINLESS STEEL
F.W. - FRAME WIDTH	H.S. - HEAT STRENGTHENED
LG. - LONG	SSG - STRUCTURAL SILICONE
STL. - STEEL	GLAZED
ALUM. - ALUMINUM	TEMP. - TEMPERED
MULL. - MULLION	O.C. - ON CENTER
HORIZ. - HORIZONTAL	SECTION NUMBER
W/ - WITH	
W/O - WITHOUT	
VERT. - VERTICAL	
	SHEET NUMBER



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HR6-OD OUTSWING STOREFRONT SYSTEM (LMI & SMI)

CUHADAROGLU METAL SAN.PAZ.A.S

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ISTANBUL, TURKIYE 34524

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Rev.	No	Date	Drawn By	Description

Drawn Date

02/19/2020

Scale

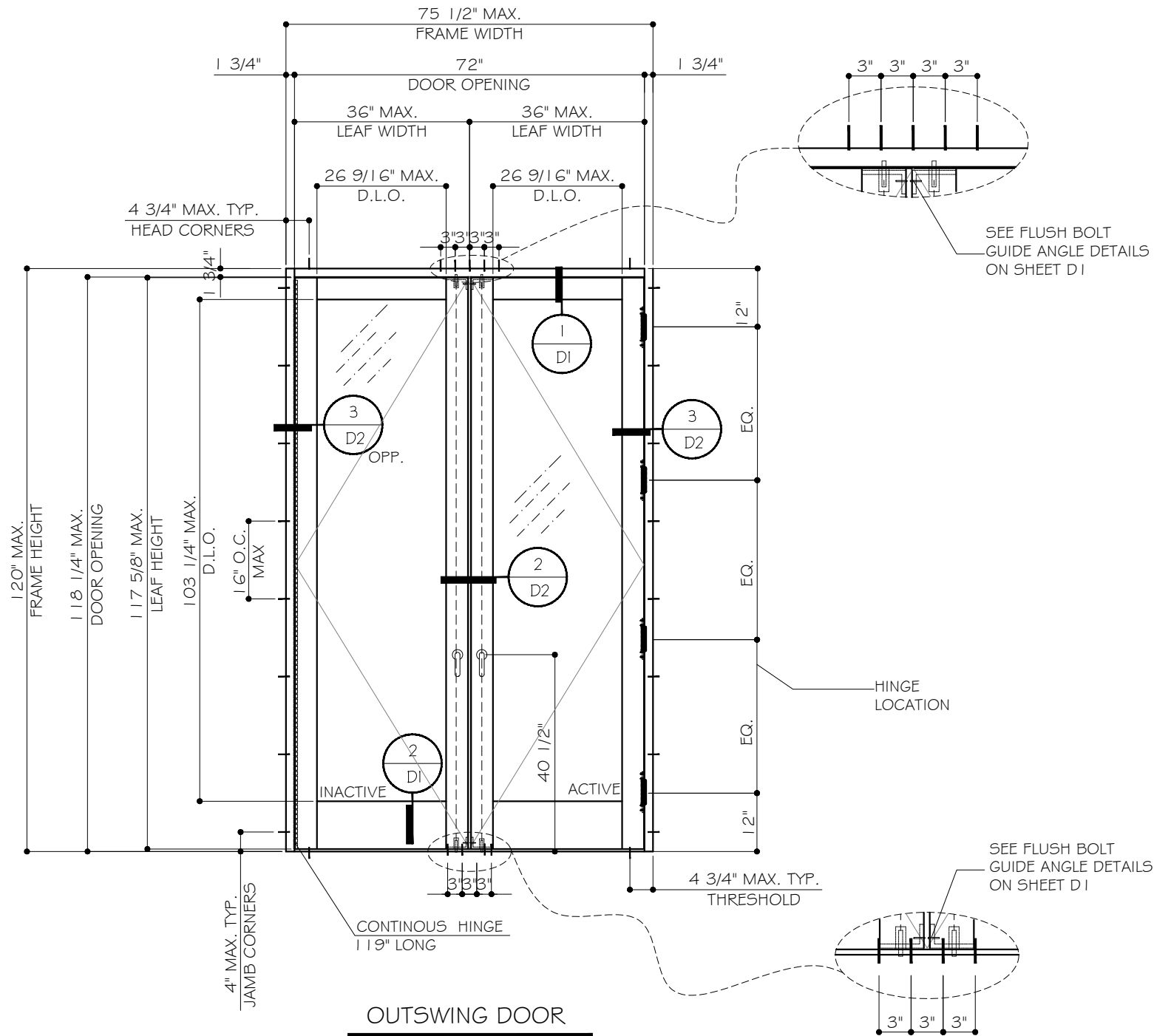
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COVER

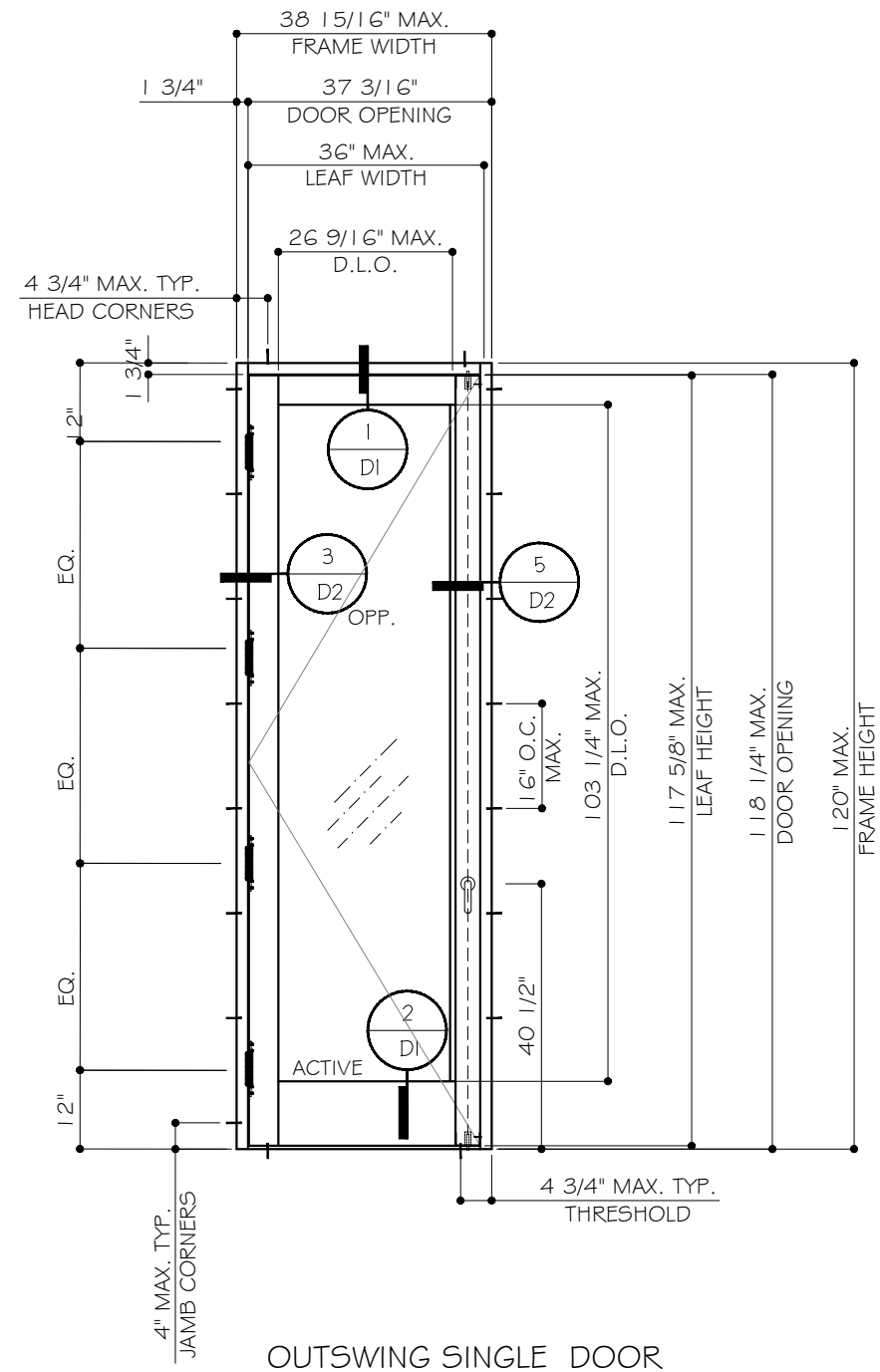
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1 OF 10

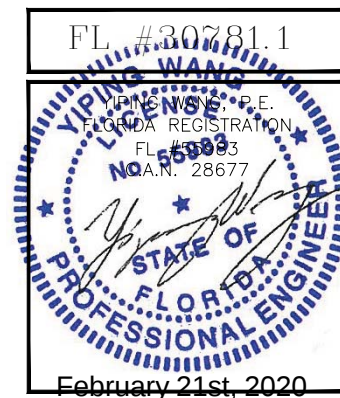


OUTSWING DOOR
EXTERIOR ELEVATION
LOCK OPTION #1

MAX. DESIGN LOAD (FOR SIZES SHOWN ABOVE OR SMALLER) AS PERMITTED BY FBC
+ 80PSF
- 80 PSF



OUTSWING SINGLE DOOR
EXTERIOR ELEVATION
LOCK OPTION #1



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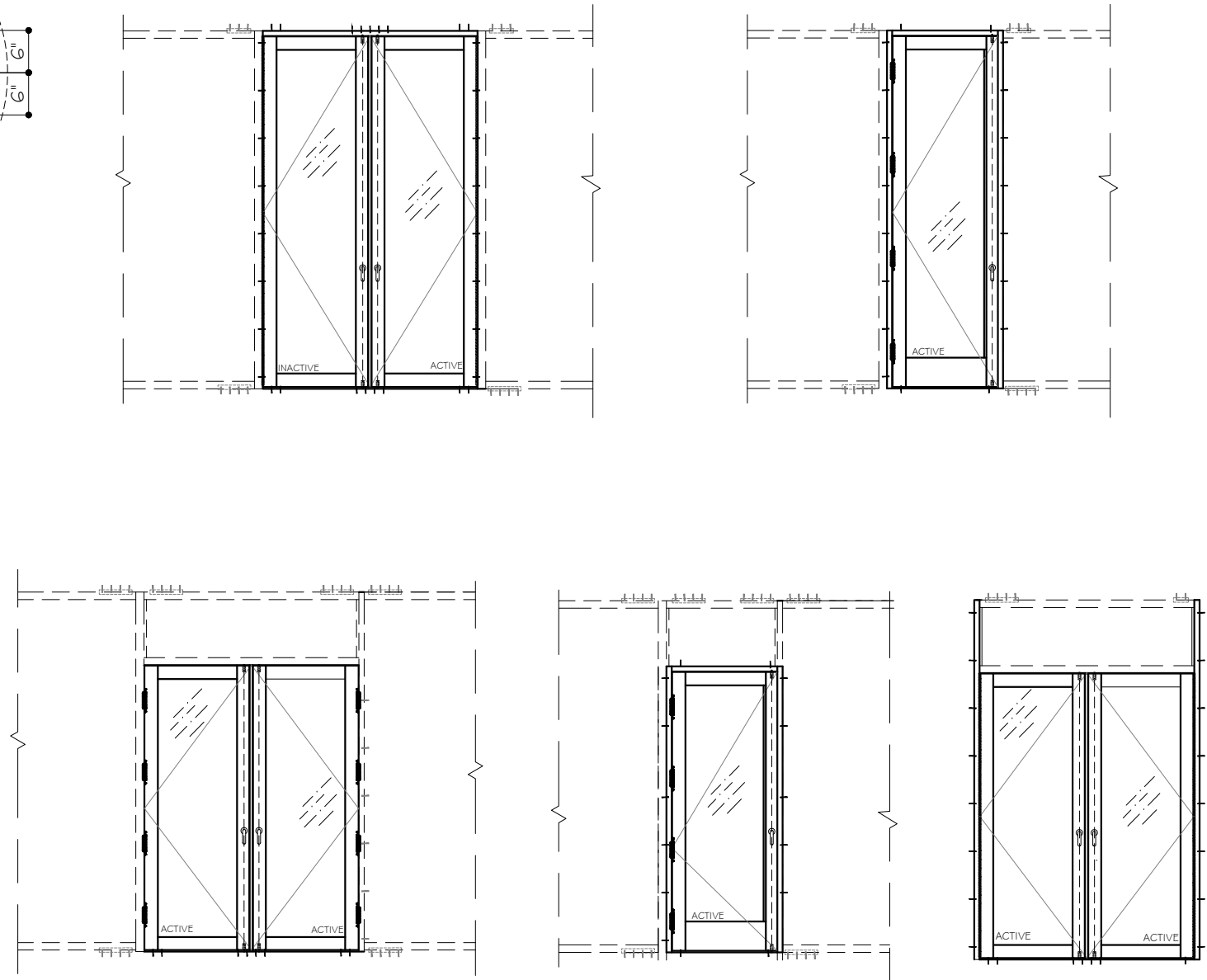
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Sheet No. 2 OF 10



MAX. DESIGN LOAD (FOR SIZES SHOWN ABOVE OR SMALLER) AS PERMITTED BY FBC
+ 65 PSF - 65 PSF

FL #30781.1

YIPING WANG

RENEWAL, P.E.

FLORIDA REGISTRATION

FL #55883

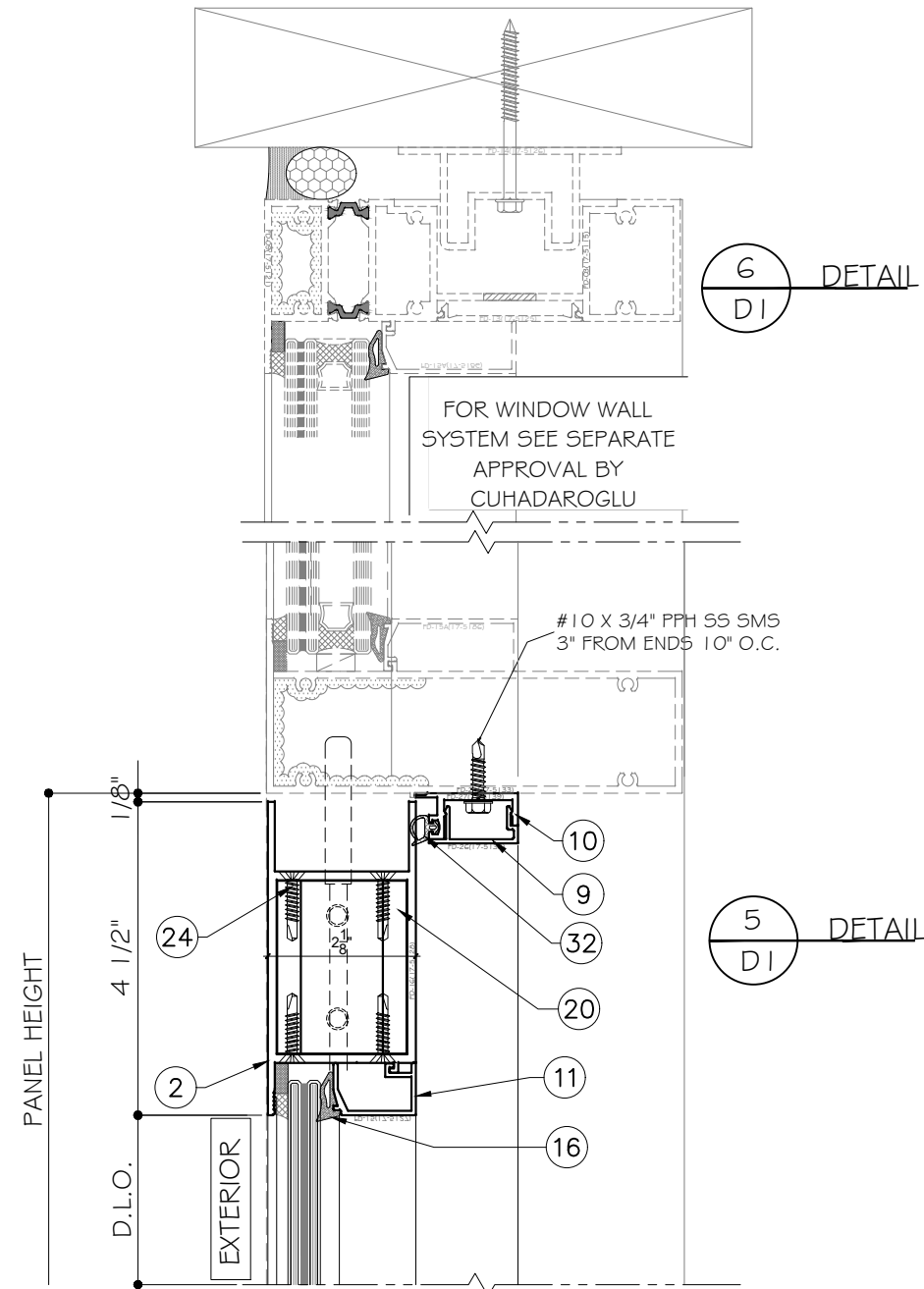
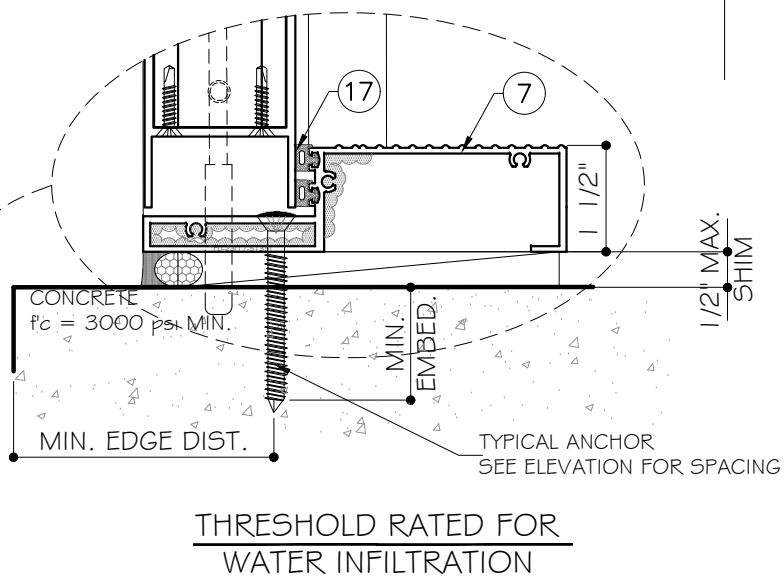
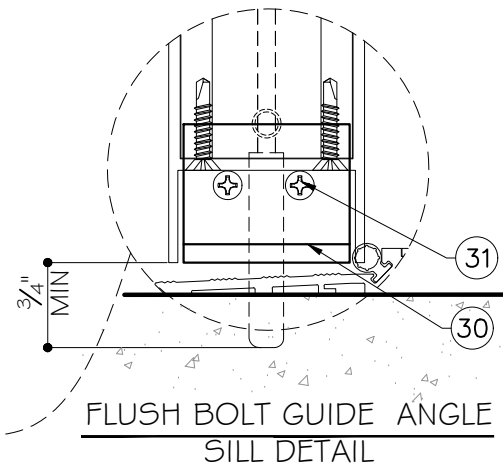
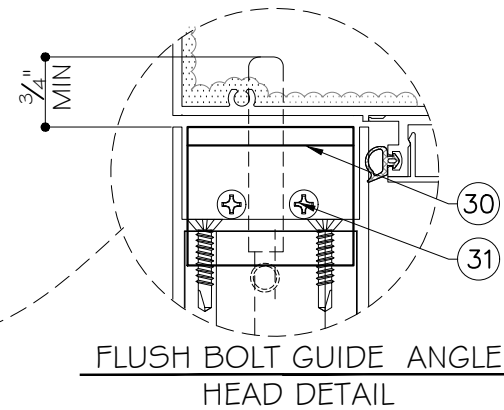
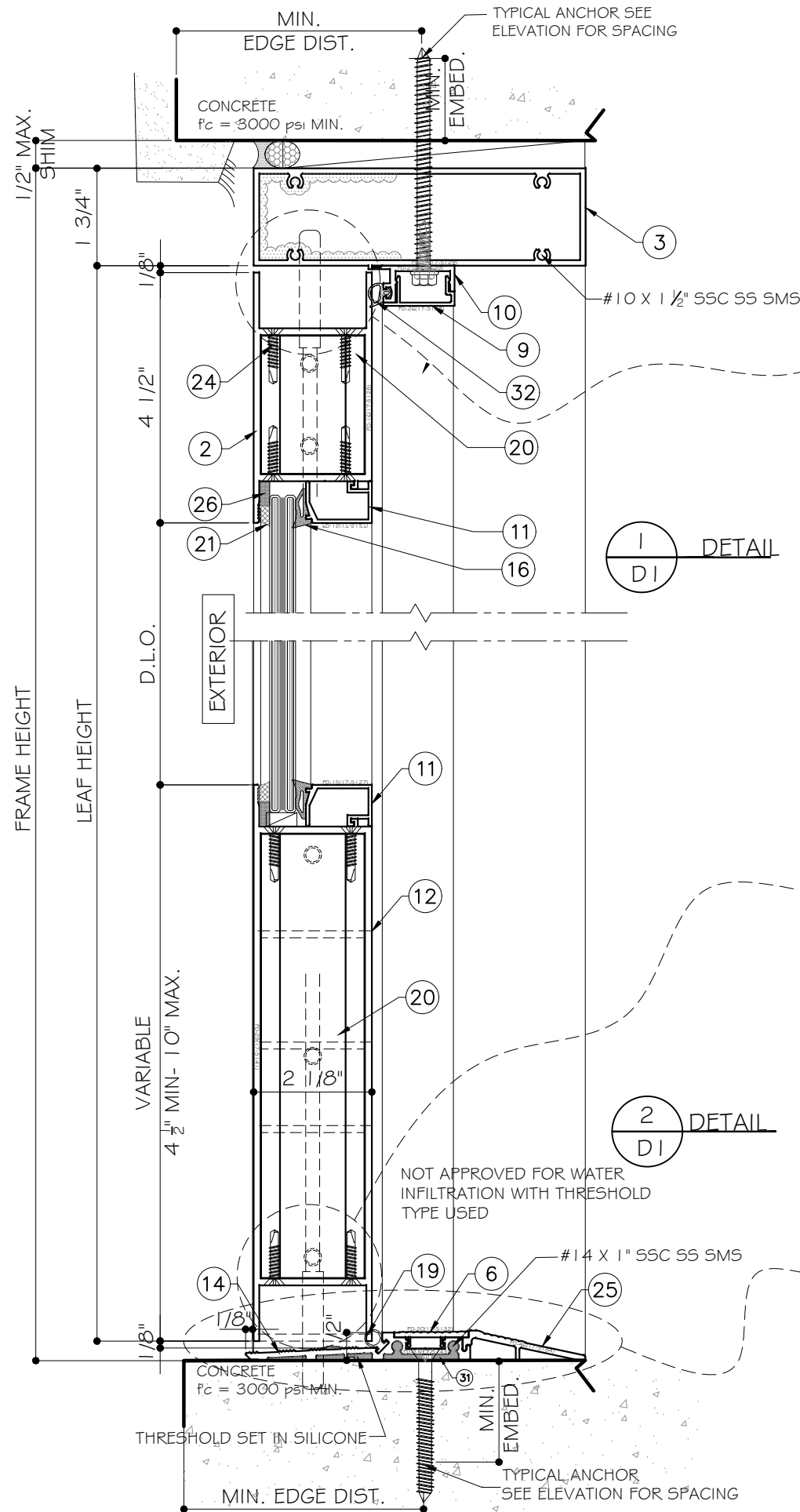
C.A.N. 28677

STATE OF FLORIDA

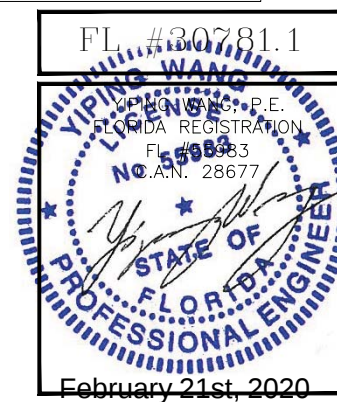
PROFESSIONAL ENGINEER

February 21st, 2020

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						Date
						Rev. No.
Drawn Date 02/19/2020						Scale
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AD19-24						
E2						
Sheet No.						
3 OF 10						



ALL CORNERS, SEAMS AND ASTRAGAL
ATTACHMENTS WERE SEALED WITH DOW
CORNING 795 SILICONE BUILDING SEALANT
AND /OR TREMCO SPECTREM 2 SEALANT.



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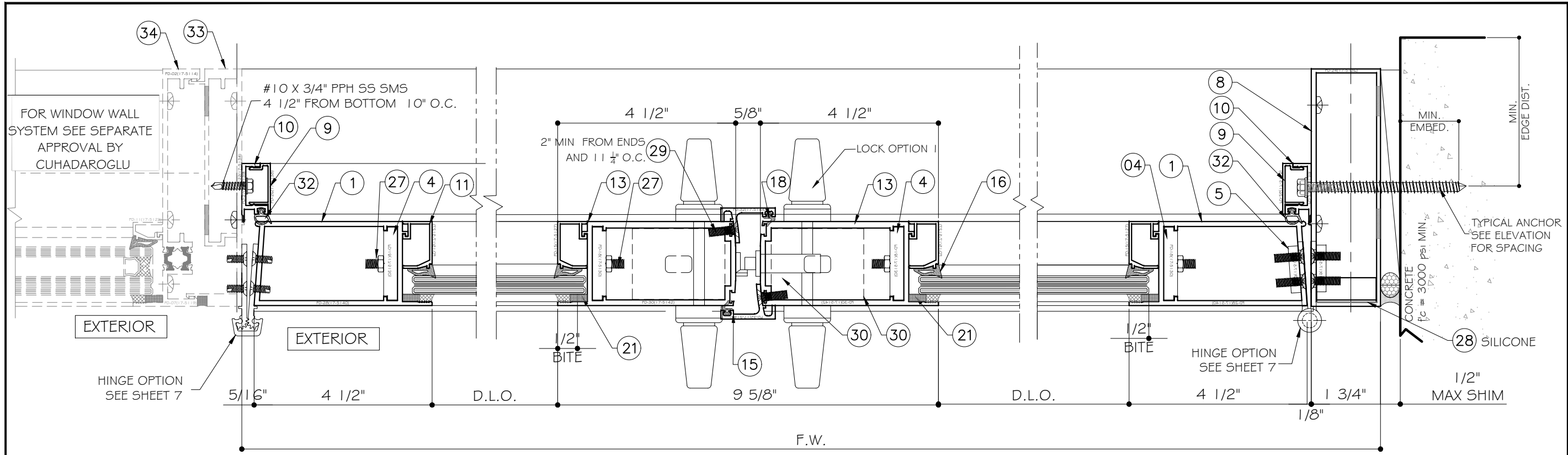
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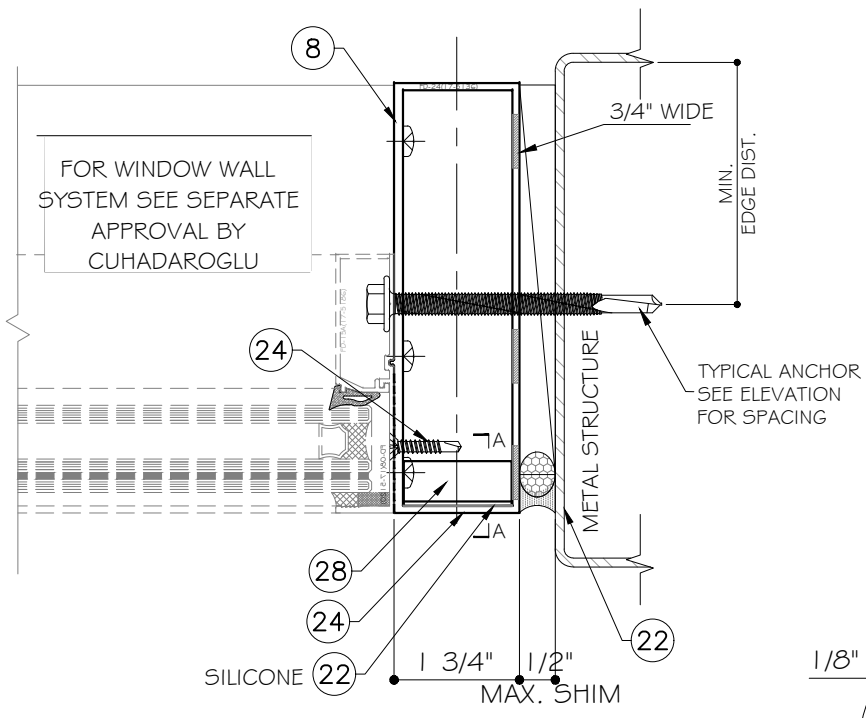
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4 OF 10



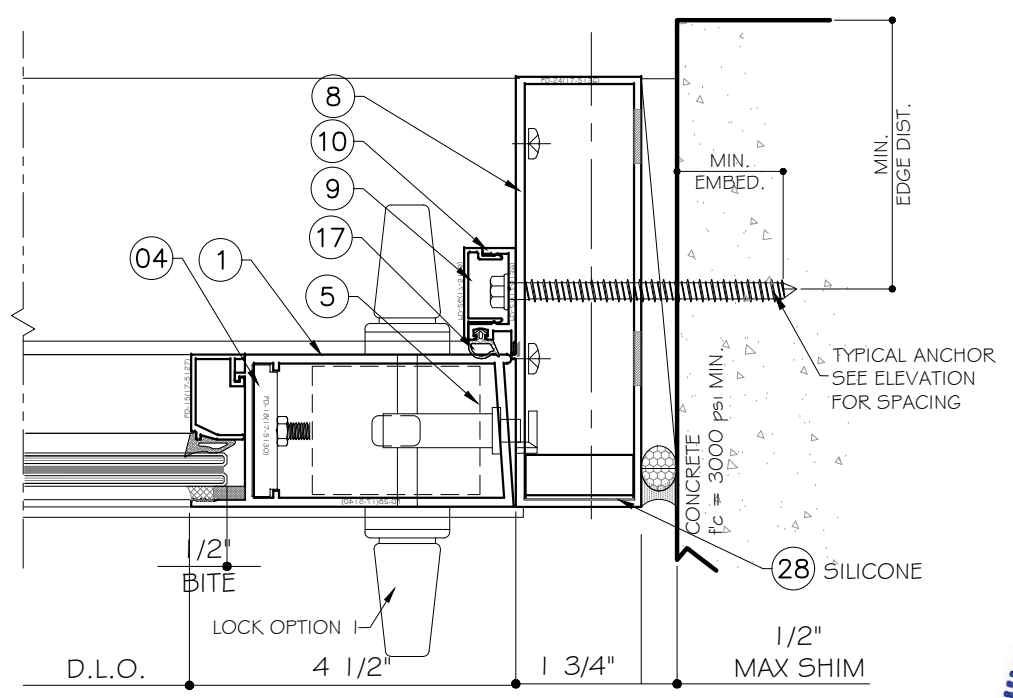
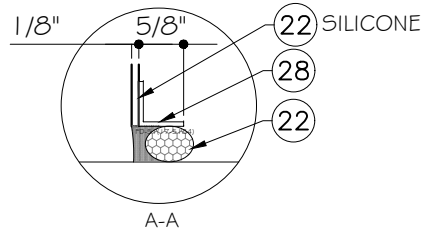
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D2
DETAIL

2
D2
DETAIL

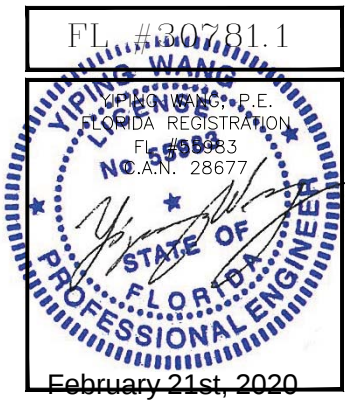
3
D2
DETAIL



4
D2
DETAIL



5
D2
DETAIL



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Sheet No.
D2
5 OF 10

LOCK OPTIONS

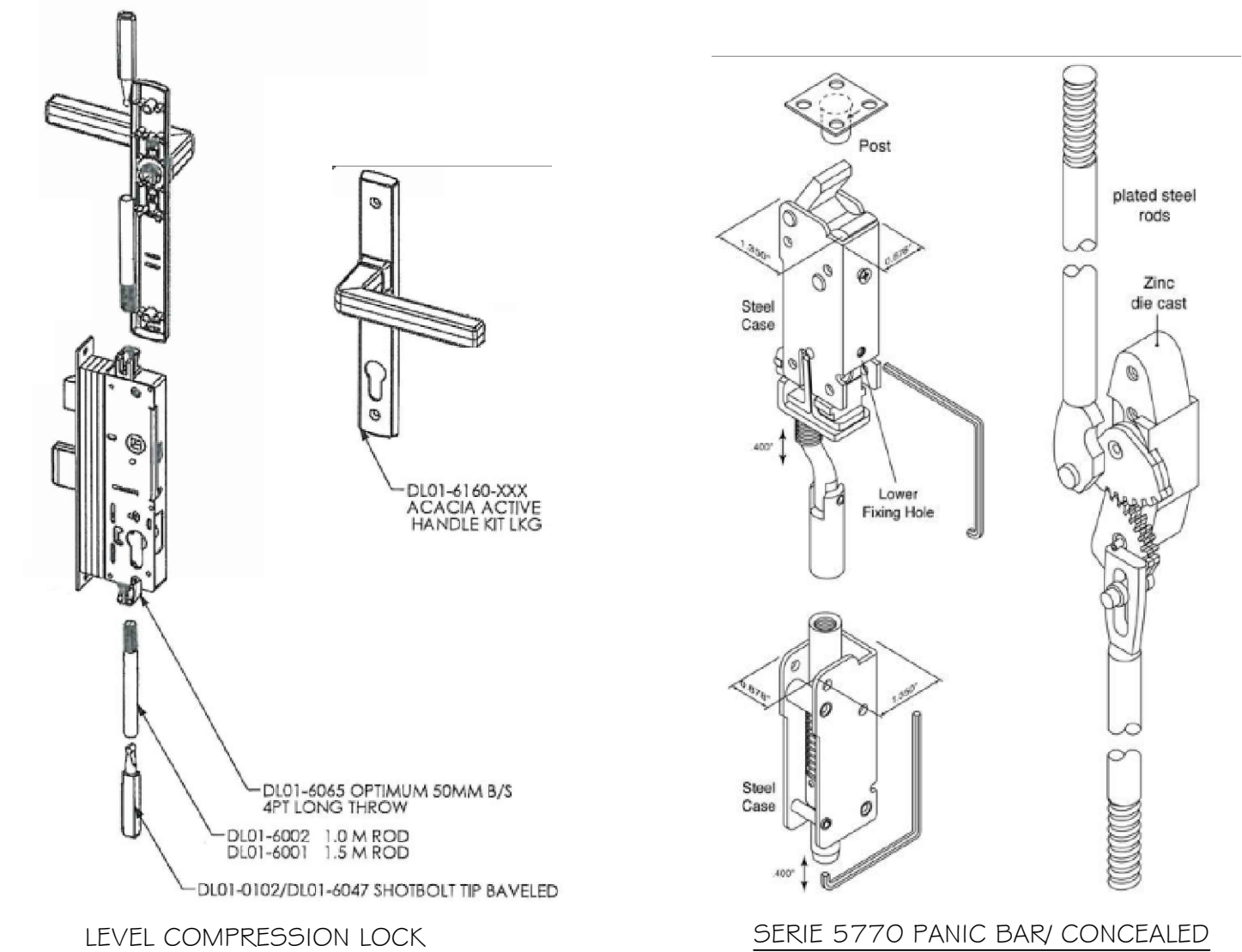
OPTION 1:
DESIGN LOAD ≤ 80 psf
MAX. PANEL SIZE: 36" X 120"

ACTIVE PANEL: 3 POINT LEVER COMPRESION LOCK (D1 01-7548) OPTIMUM / TBL
FRENCH APP BY "INTERLOCK ASSA ABLOY"

INACTIVE PANEL: (2) POINT LOCK LEVER COMPRESION LOCK (D1 01-7548) OPTIMUM /
TBL FRENCH APP BY "INTERLOCK ASSA ABLOY"

OPTION 2:
DESIGN LOAD ≤ 65 psf
MAX. PANEL SIZE: 36" X 96"

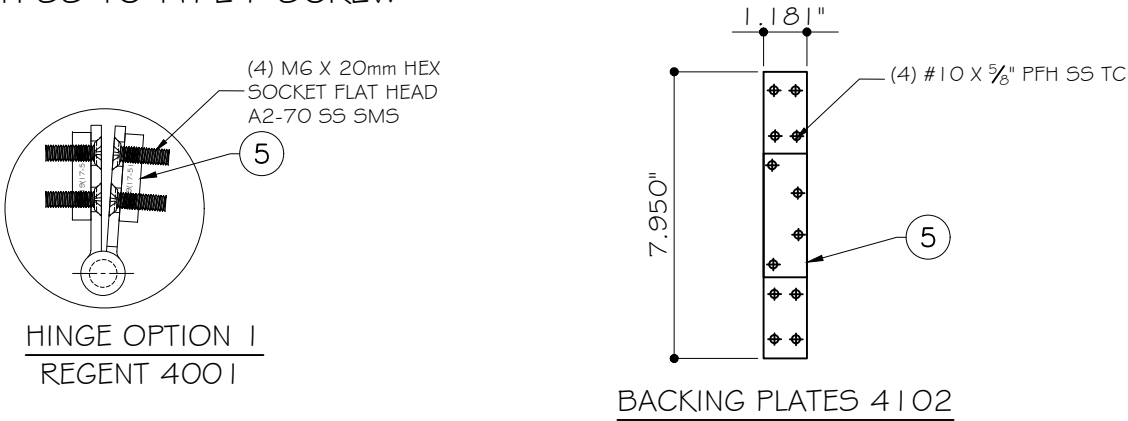
SERIE 5770 PANIC BAR / CONCEALED DEVICE ROD HARDWARE
DEVICE BY REGENT W/ TURN KEY LOCK (PART No. SA 11677) AT EXTERIOR AND
INTERNAL OPERATOR.
CAN NOT APPLY TO SINGLE PANEL DOOR



HINGES OPTION:

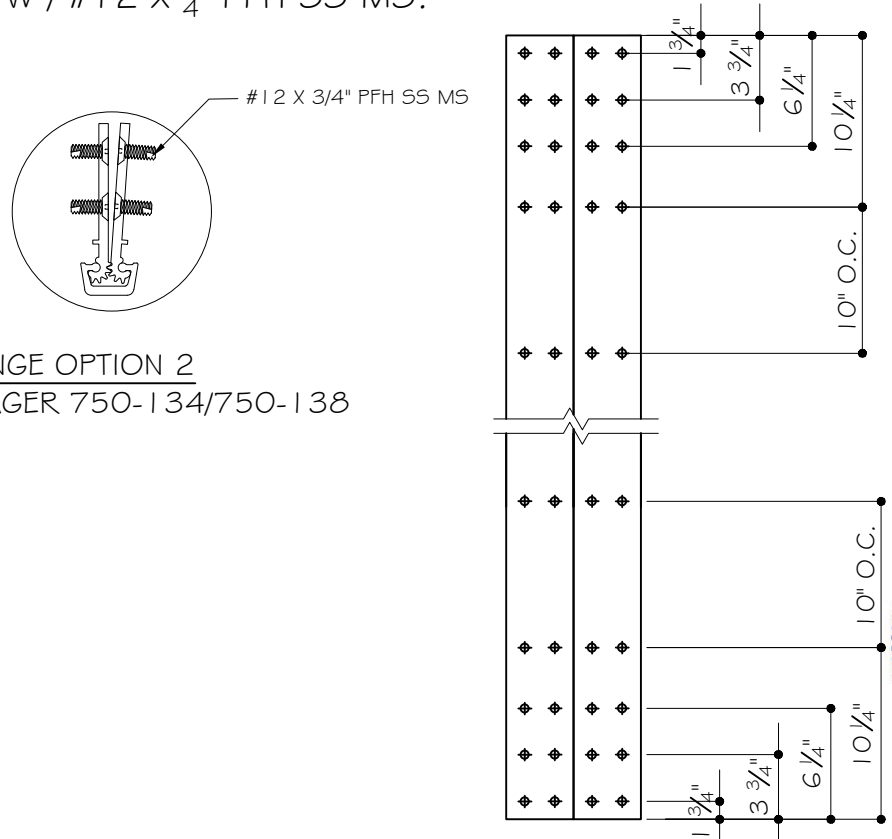
OPTION 1:
DESIGN LOAD ≤ 80 psf

(4) 4" X 4 1/2" STAINLESS STEEL BALL BEARING SQUARE HINGES (PART 4001) PER PANEL BY 'REGENT',
BAKING PLATE (PART No 4102) USED INSIDE PANEL HINGE STILE
AND FRAME JAMB HINGE LOCATION. ATTACHED W/ (4) #10 X 5/8"
PFH SS TC TYPE F SCREW

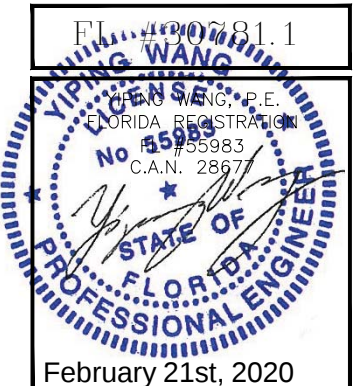


OPTION 2:
DESING LOAD ≤ 80 psf

FULL MORTISE CONTINUOUS GEARED HINGE (780-226-HD-95 BY
'HANGER' CONECTED TO JAMB OR HINGE STILE
W / #12 X 3/4" PFH SS MS.



HINGE OPTION 2
HAGER 750-134/750-138



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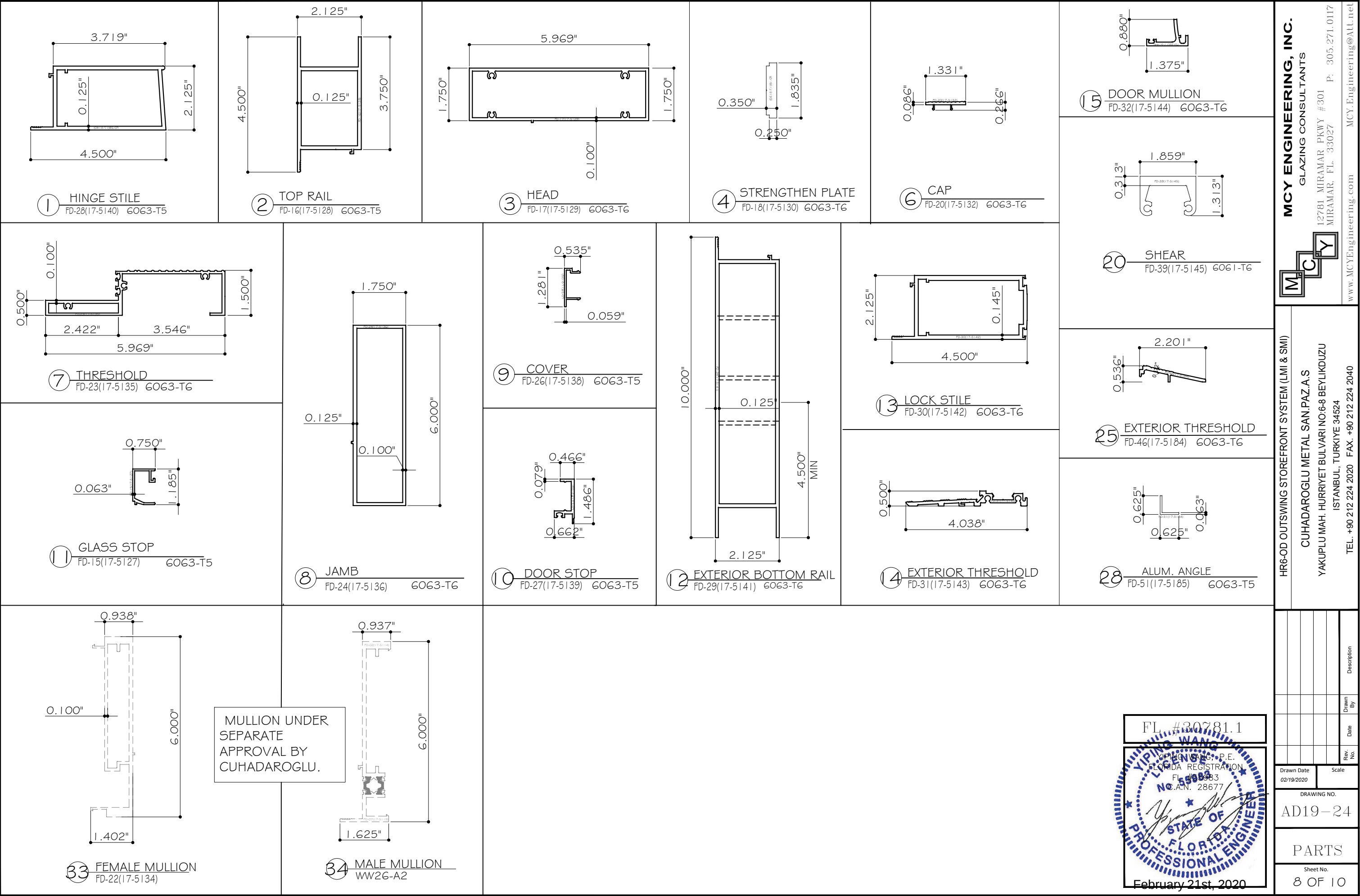
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AD19-24

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Sheet No.

7 OF 10



BILL OF MATERIALS

BILL OF MATERIALS					
ITEM	PART	DESCRIPTION	MATERIAL	MANUF. / REMARKS	
1	FD-28(17-5140)	HINGE STILE	ALUM. 6063-T5	CUHADAROGLU	
2	FD-16(17-5128)	TOP RAIL	ALUM. 6063-T5	CUHADAROGLU	
3	FD-17(17-5129)	HEADER	ALUM. 6063-T6	CUHADAROGLU	
4	FD-18(17-5130)	STRENGTHEN PLATE	ALUM. 6063-T6	CUHADAROGLU	
5	FD-19(17-5131)	1/4" THK. ALUM. PLATE	ALUM. 6063-T6	CUHADAROGLU	
6	FD-20(17-5132)	CAP	ALUM. 6063-T6	CUHADAROGLU	
7	FD-23(17-5135)	THRESHOLD	ALUM. 6063-T6	CUHADAROGLU	
8	FD-24(17-5136)	JAMB	ALUM. 6063-T6	CUHADAROGLU	
9	FD-26(17-5138)	COVER	ALUM. 6063-T5	CUHADAROGLU	
10	FD-27(17-5139)	DOOR STOP	ALUM. 6063-T5	CUHADAROGLU	
11	FD-15(17-5127)	GLASS STOP	ALUM. 6063-T5	CUHADAROGLU	
12	FD-29(17-5141)	EXTERIOR BOTTOM RAIL	ALUM. 6063-T6	CUHADAROGLU	
13	FD-30(17-5142)	LOCK STILE	ALUM. 6063-T6	CUHADAROGLU	
14	FD-31(17-5143)	EXTERIOR THRESHOLD	ALUM. 6063-T6	CUHADAROGLU	
15	FD-32(17-5144)	DOOR MULLION	ALUM. 6063-T6	CUHADAROGLU	
16	WW26-34	GLAZING GASKET/SPACER	SILICONE OR EPDM (70 DURO. SHORE A)	TREMCO / TR-11126	
17	WW26-35	DOOR STOP	SILICONE OR EPDM (70 DURO. SHORE A)	TREMCO / TR-11126	
18	FR26-36	EPDM FINGER GASKET	EPDM (65 DURO. SHORE A)	TREMCO / TR-10809	
19	FR26-38	EPDM BULB VINYL GASKET	EPDM (65 DURO. SHORE A)	TREMCO /TR-15110	
20	FD-39(17-5145)	SHEAR CHANNEL	ALUM. 6061-T6	-	
21	-	STRUCTURAL SEALANT DC983 OR DC795 / PROGLAZE or SPECTREM 2 (TREMCO)	SILICONE	DOW CORNING / TREMCO	
22	-	DC790 SILICONE & BACKER ROD / SPECTREM 1 (TREMCO)	SILICONE	DOW CORNING / TREMCO	
23	-	SETTING BLOCK	EPDM (85 DURO. SHORE A)	TREMCO	
24	-	#14 F.H. S.S. SMS.	-	-	
25	FD-46(17-5184)	EXTERIOR THRESHOLD	ALUM. 6063-T6	DOW CORNING / TREMCO	
26	-	GLASS SPACER, SGT-921 1/4" THK.	HIGH DENSITY POLYURETHANE TAPE	-	
27	-	3/16" BOLT & NUT	S.S.	-	
28	FD-51(17-5185)	ALUM. ANGLE	ALUM. 6063-T5	-	
29	-	#10 X 5/8 PFH. SS SMS	SS	-	
30	-	FLUSH BOLT GUIDE ANGLE	CAST ALUMINUM	-	
31	-	#8 X 7/8" PFH SS SMS	-	-	
32	TR-17453P	DOOR STOP	EPDM (65 DURO. SHORE A)	TREMCO	
33	FD-22(17-5134)	FEMALE MULLION	ALUM. 6063-T6	CUHADAROGLU / UNDER SEPARATE APPROVAL	
34	WW26-A2	MALE MULLION	ALUM. 6063-T6	CUHADAROGLU / UNDER SEPARATE APPROVAL	
FL #30781.1 YIPING WANG P.E. FLORIDA REGISTRATION NO. 5883 C.A.N. 28677 February 21st, 2020					
			HR6-OD OUTSWING STOREFRONT SYSTEM (LMI & SM)		
			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		
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