

0.075" STORMGLASS INTERLAYER
BY OLDCASTLE GLASS

3/16" HEAT STRENGTHED

3/16" HEAT STRENGTHED

5/8" GLASS BITE

18

6

16

5

DOWSIL 995 CONTINUOUS
STRUCTURAL SILICONE

DOWSIL 995 CONTINUOUS
STRUCTURAL SILICONE & SILICONE
COMPATIBLE BACKER-ROD TYPICAL

#10X1/2" P.H.
4" FROM END, 16" ON CENTER

GENERAL NOTES:

- 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 7-16/ ASCE 7-22 STANDARD.
- STEP 2: SEE SHEET COVER FOR GLASS OPTIONS.
- STEP 3: SEE SHEET E1 & E2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE BASED ON APPLICABLE WIND DURATION.
SEE SHEET E1 & E2 FOR HARDWARE OPTION.
- STEP 4: SEE ANCHOR TYPE ON SHEET A1. SEE SHEET E1 & E2 FOR ANCHOR SPACING.
- STEP 5: THE LOWEST VALUE RESULTING FROM STEPS 3 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THRU STEP 1 SHALL APPLY TO ENTIRE SYSTEM

ABBREVIATIONS AND SYMBOLS

D.L.O. - DAYLIGHT OPENING
F.H. - FRAME HEIGHT
F.W. - FRAME WIDTH
W/ - WITH
W/O - WITHOUT
O.C. - ON CENTER

FL #32365


 YOUNG WANG P.E.
 FLORIDA REGISTRATION
 NO. 55933
 C.A.B.E. 28677
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

September 26th, 2023

MCY ENGINEERING, INC.
GLAZING CONSULTANTS


 MIRAMAR, FL 33027 F: 305.271.0117
www.McYEngineering.com mcy@mcyeengineering.com

SERIES 350-MS OUT SWING DOOR

EMC WINDOWS AND DOORS, LLC.
1250 W. 76TH STREET

1356 W. 76TH STREET
HIALEAH, FL 33014
TEL (305) 283-6280 EMCWindows@aol.com

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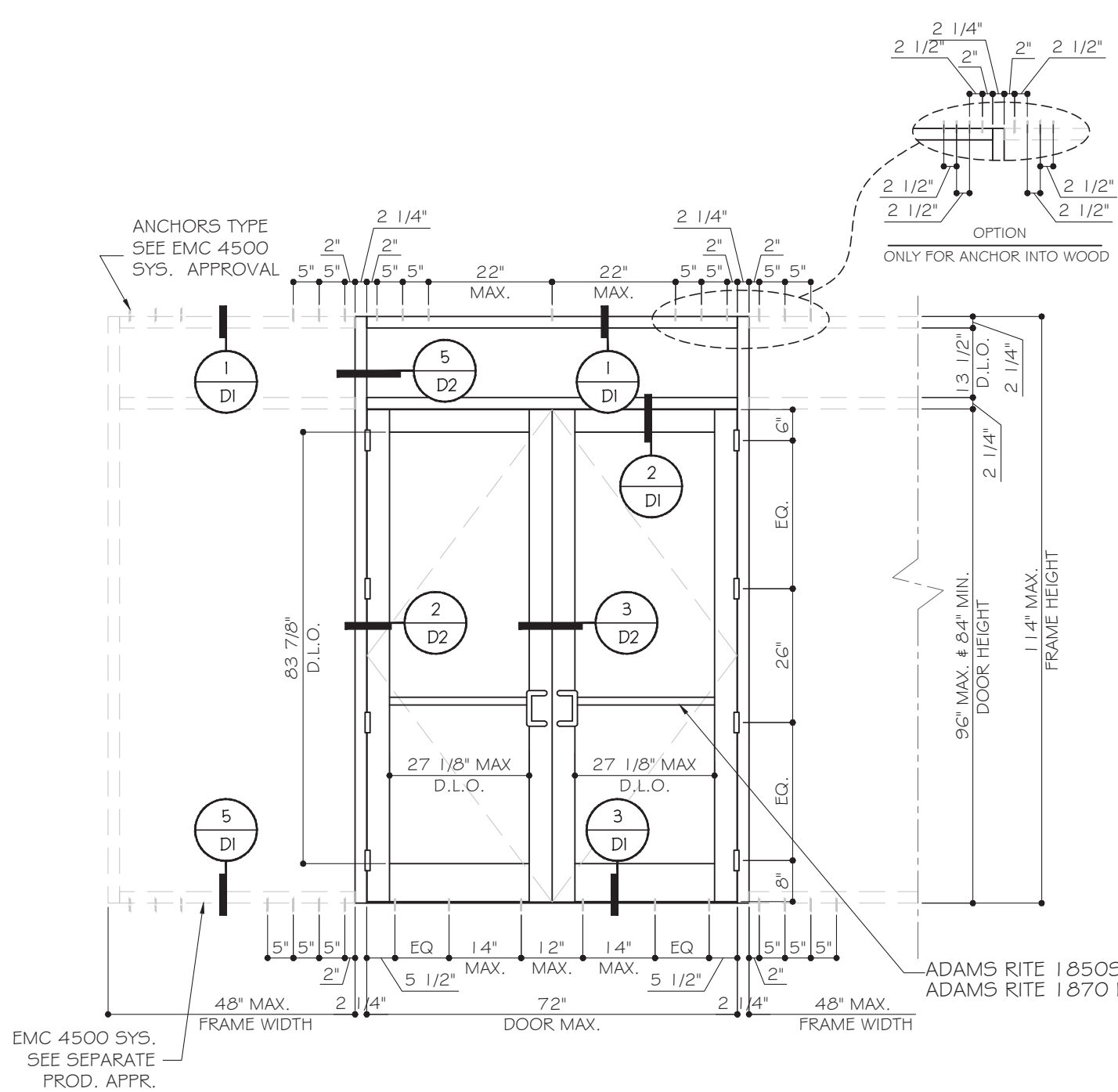
R2	09/25/2023	James	UPDATE FBC 2023
Rev. No.	Date	Drawn By	Description

Drawn Date	Scale
09.25.2023	

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AD20-23

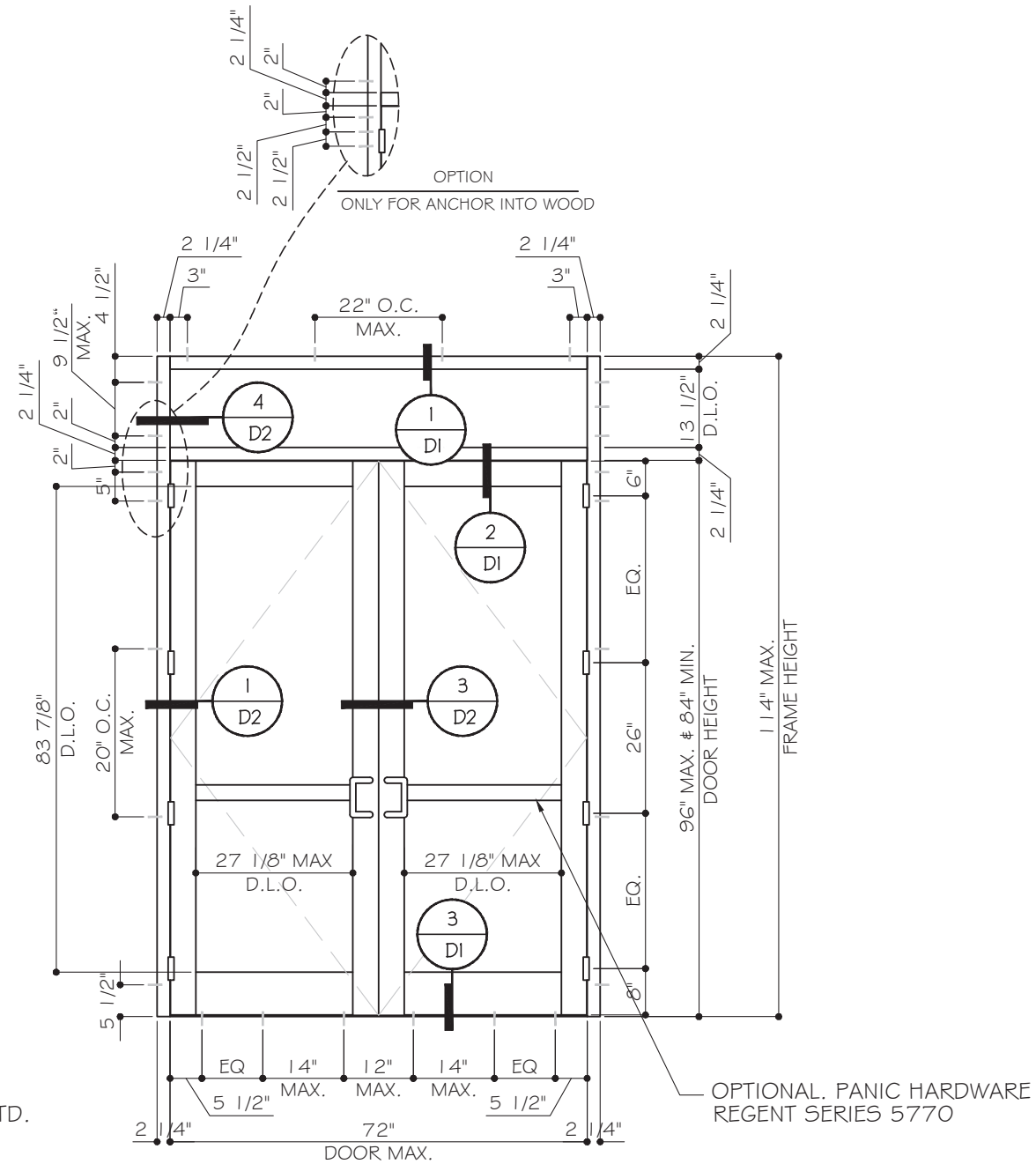
COVER

Sheet No.
1 OF 8



TYPICAL ELEVATIONS

ADAMS RITE 1850S 3-POINT LOCK
ADAMS RITE 1870 FLUSH BOLTS STD.



TYPICAL ELEVATIONS

HARDWARE	MAX. DESIGN LOAD (FOR SIZES SHOWN ABOVE OR SMALLER) AS PERMITTED BY FBC	MISSILE IMPACT RATING
ADAMS RITE 1850S 3 POINT LOCK WITH 1870 FLUSH BOLTS	+ 75PSF / -75PSF	LARGE MISSILE IMPACT RATED
REGENT SERIES 5770 PANIC HARDWARE WITH CONCEALED VERTICAL ROD	+ 50PSF / -50PSF	LARGE MISSILE IMPACT RATED

NOTE:

SEE SHEET A1 FOR ANCHORS TYPE.

FL #32365

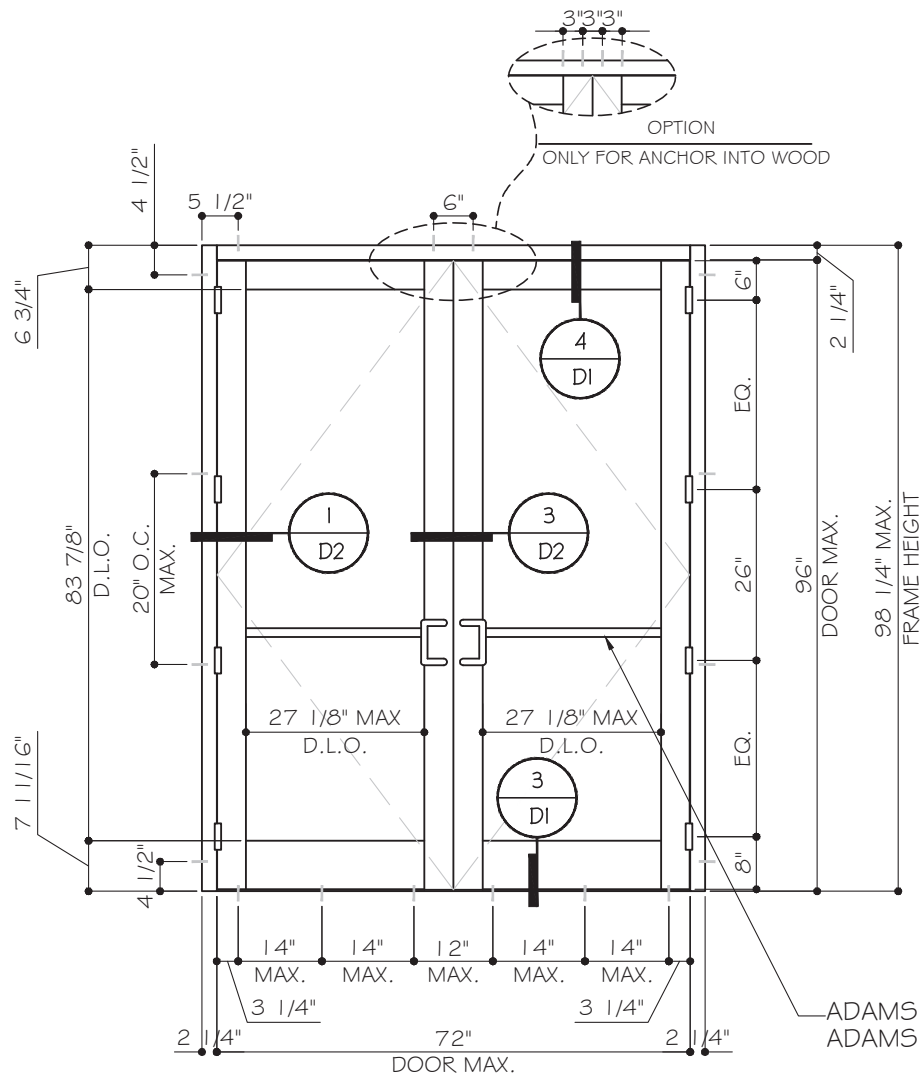
YIPING WANG, P.E.
FLORIDA REGISTRATION
FL #55983
Exp. 09/25/2023

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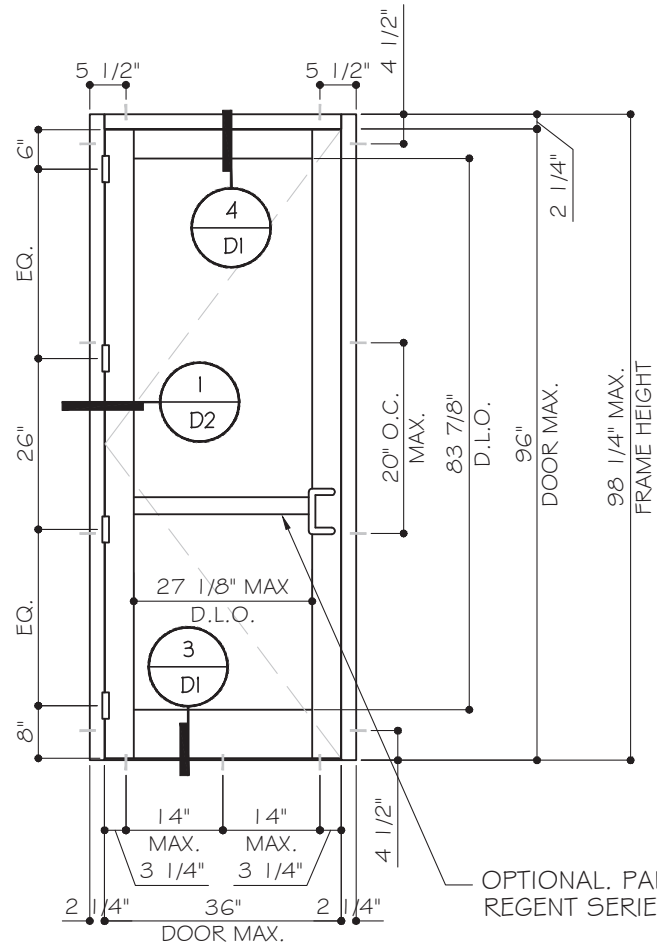
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SERIES 350-MS OUT SWING DOOR	
AD20-23	E1
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TYPICAL ELEVATIONS

ADAMS RITE 1850S 3-POINT LOCK
ADAMS RITE 1870 FLUSH BOLTS STD.



TYPICAL ELEVATIONS

OPTIONAL. PANIC HARDWARE
REGENT SERIES 5770

HARDWARE	MAX. DESIGN LOAD (FOR SIZES SHOWN ABOVE OR SMALLER) AS PERMITTED BY FBC	MISSILE IMPACT RATING
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NOTE:
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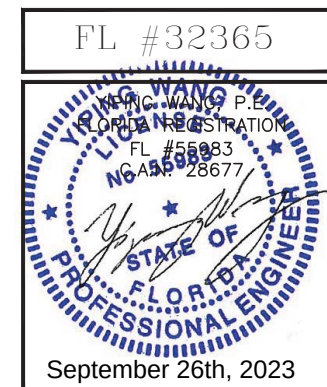
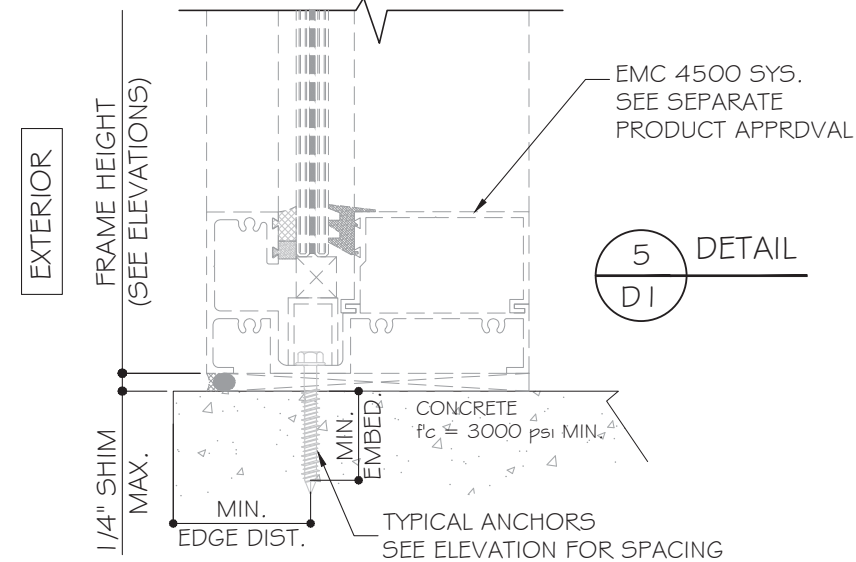
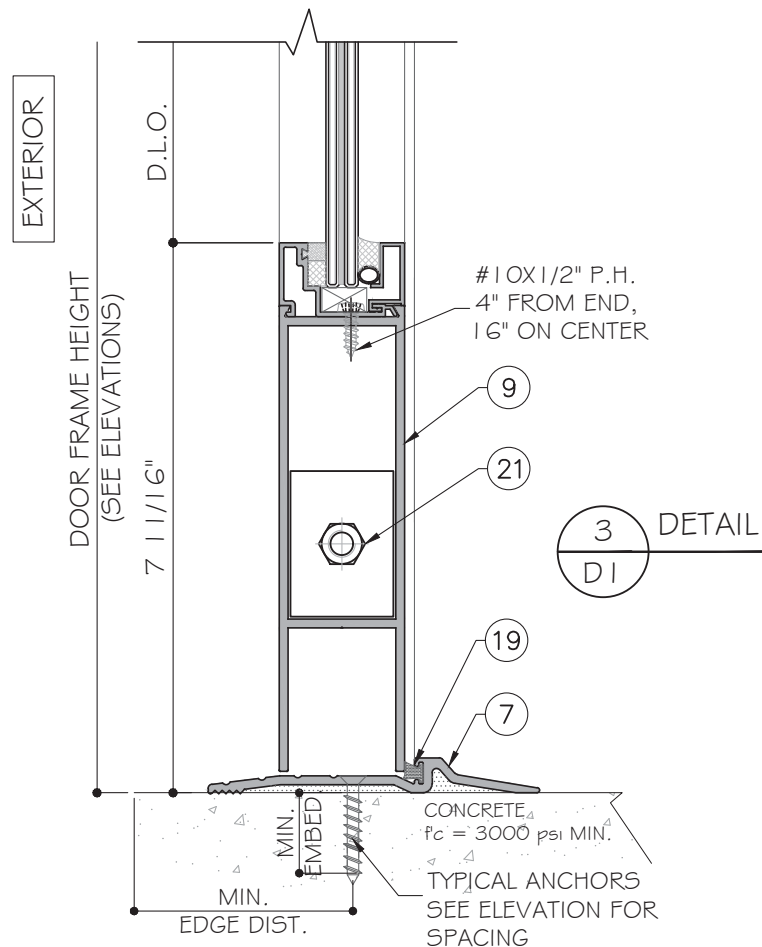
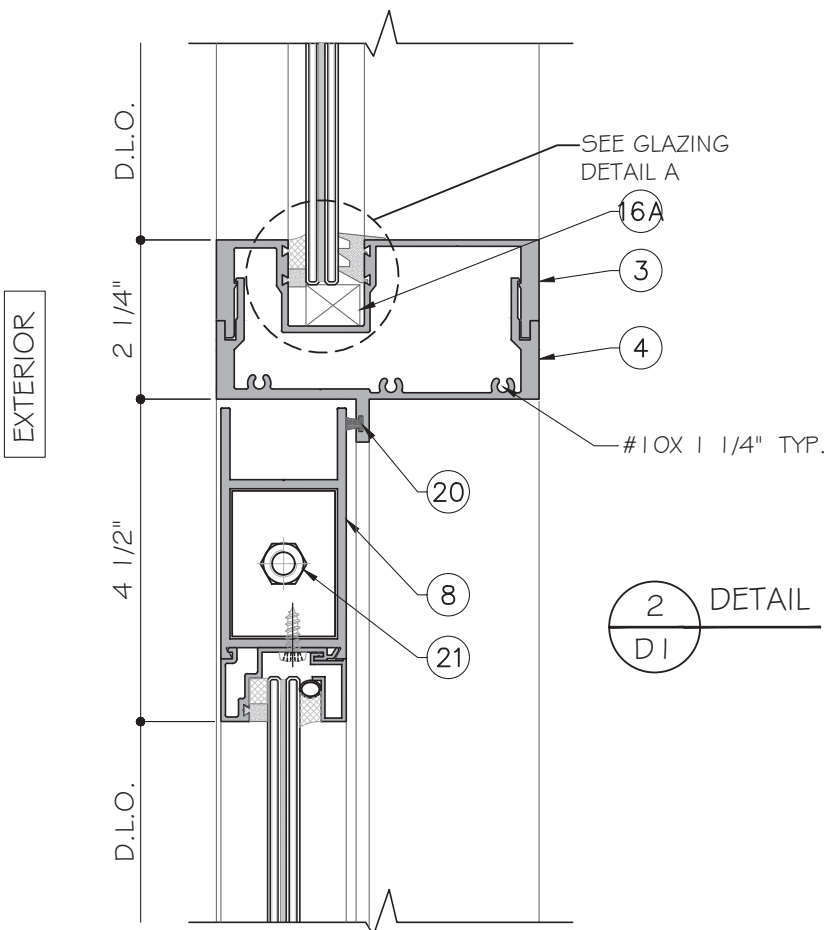
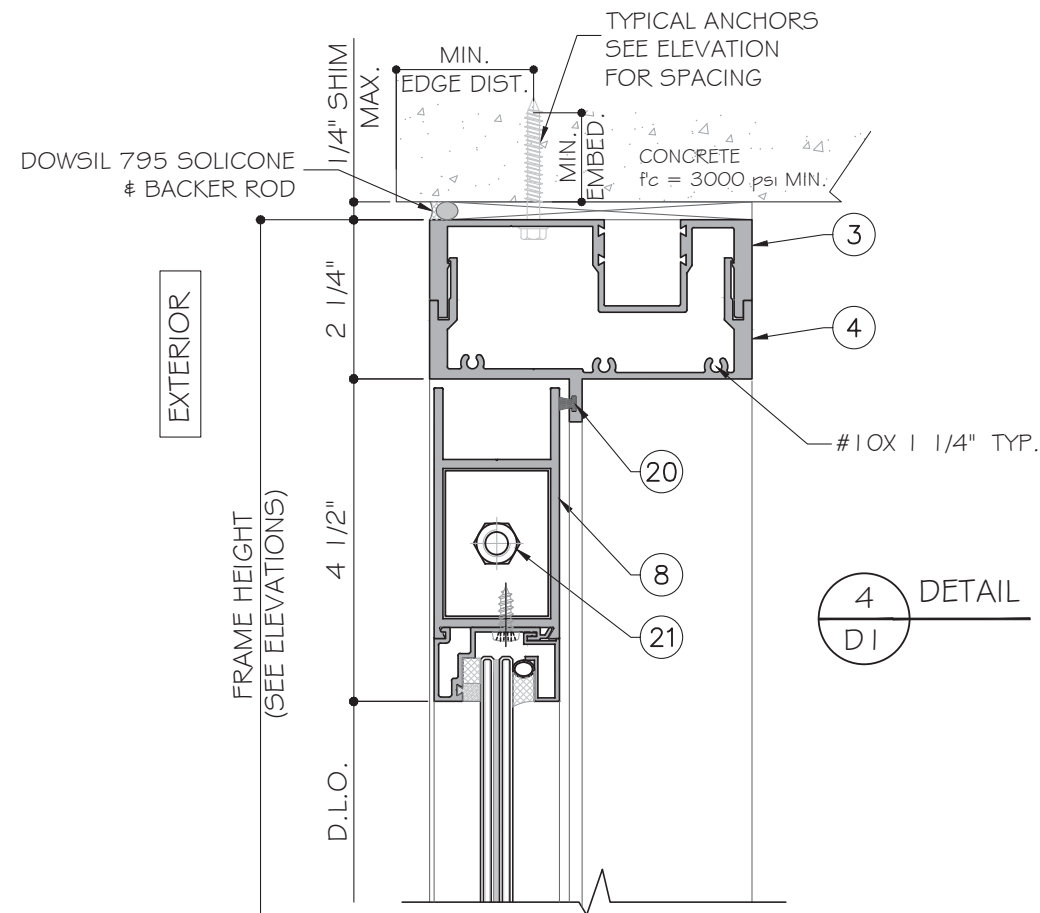
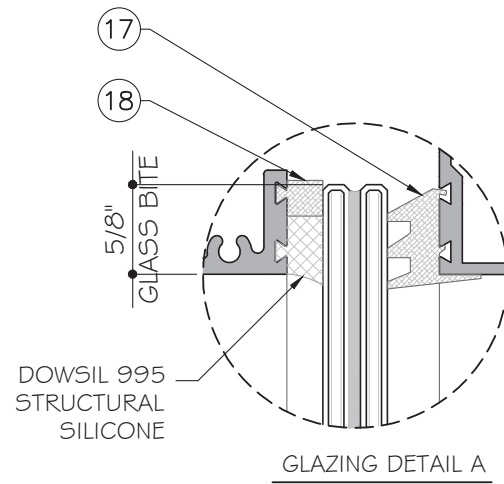
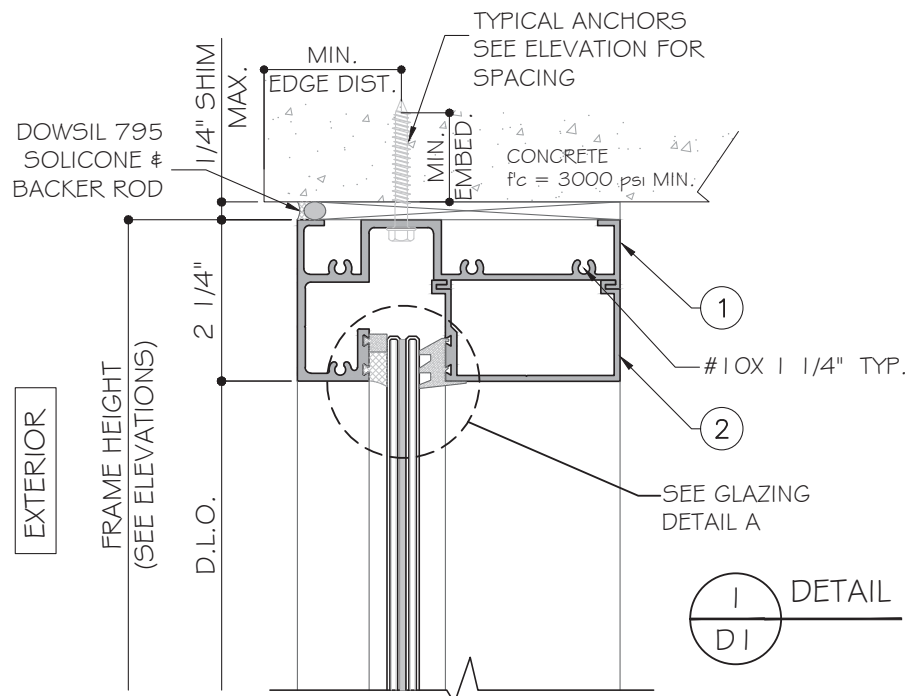
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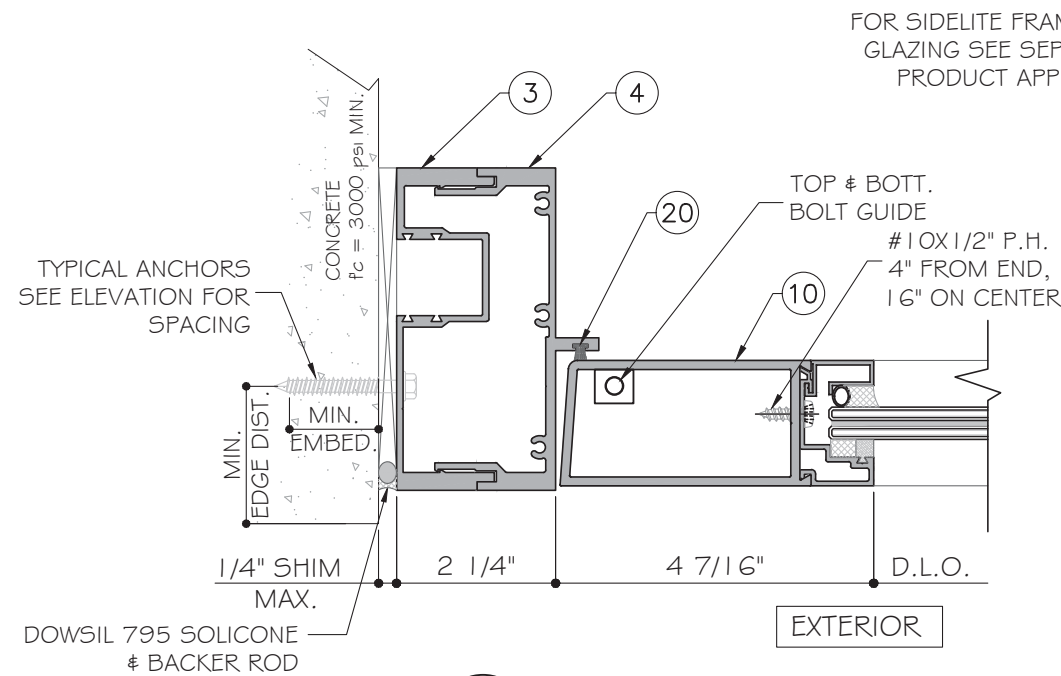
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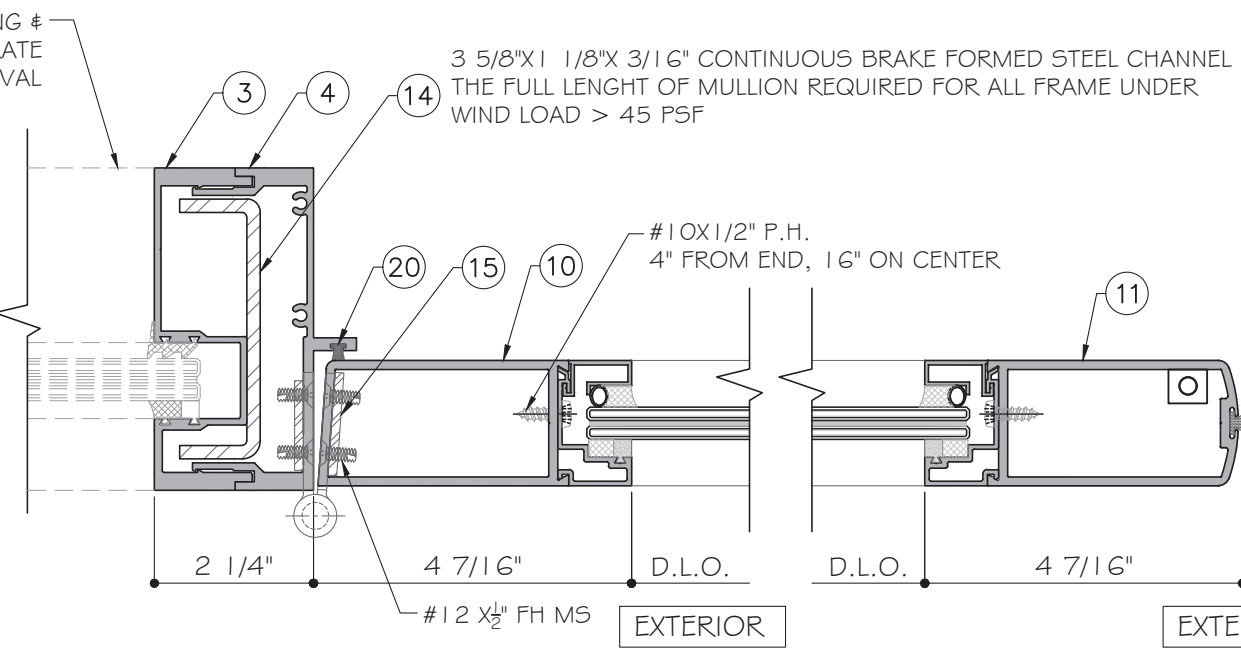
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DRAWING NO. AD20-23		Rev. No. R2	
Sheet No. 3 OF 8		Date 09.25.2023	



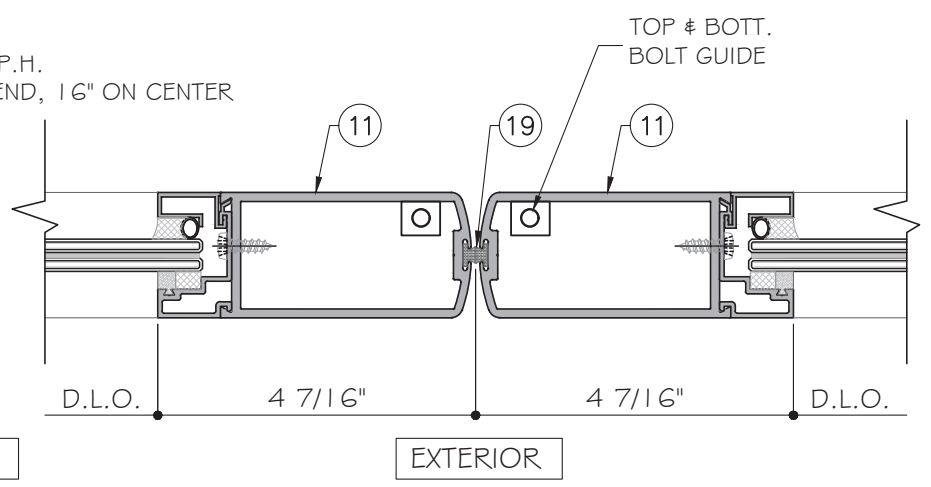
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D1			
Sheet No.			
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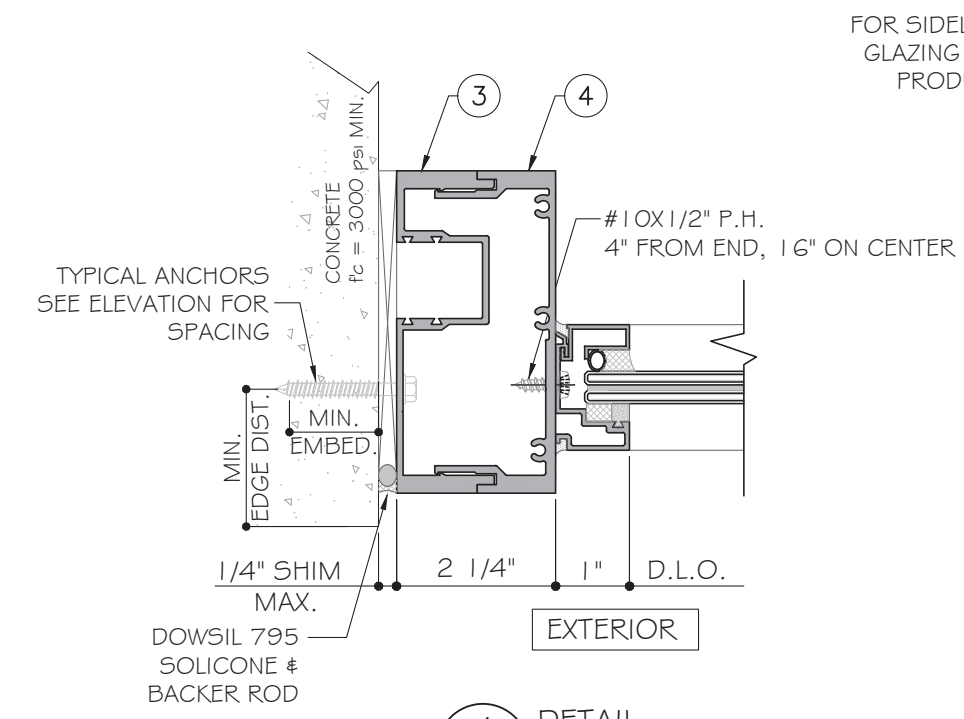
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D2
DETAIL



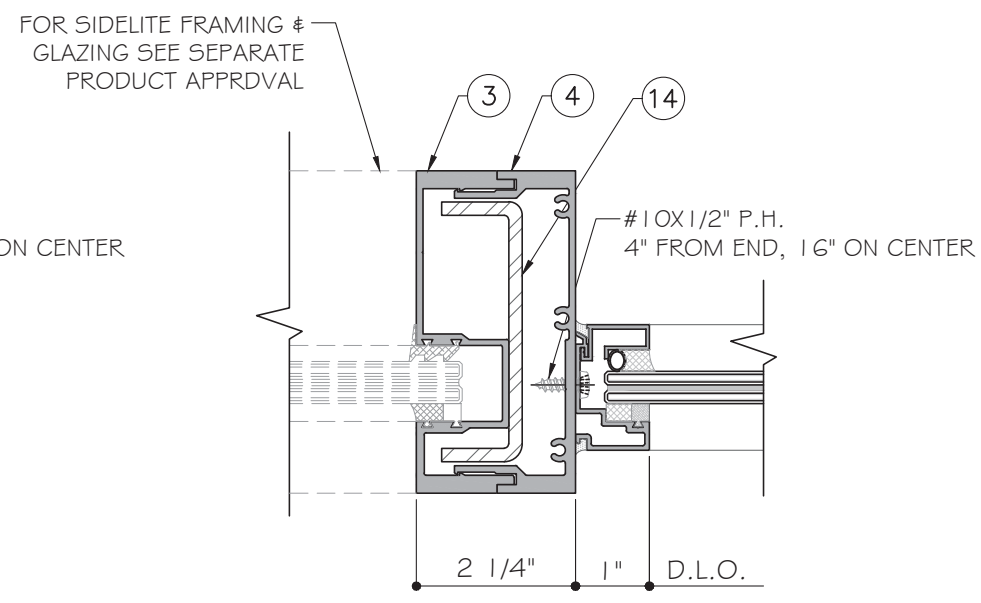
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D2
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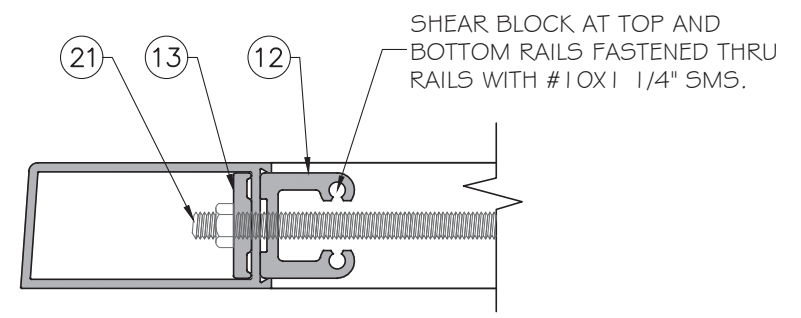
3
D2
DETAIL



4
D2
DETAIL



5
D2
DETAIL



SECTION THRU RAILS

ON DOUBLE DOORS THE LOCK FOR ACTIVE DOOR IS ADAMS RITE MS 1850S 3 POINT LOCK. INACTIVE USES EITHER STD. 1870 FLUSH BOLT OR THE 2 POINT MS 1880/1881.

SINGLE LEAF DOORS ARE FITTED WITH 3 POINT LOCK

FL #32365

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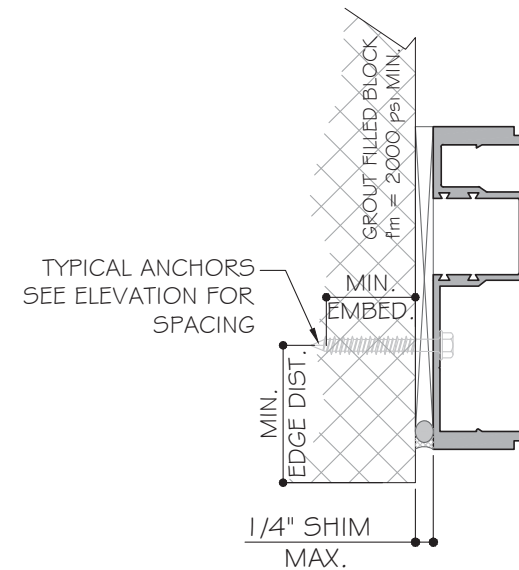
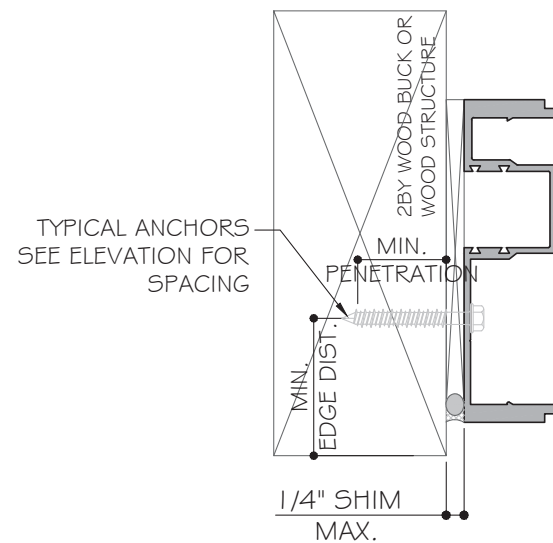
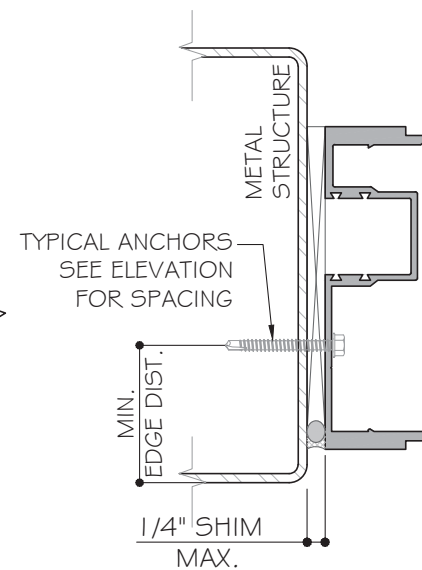
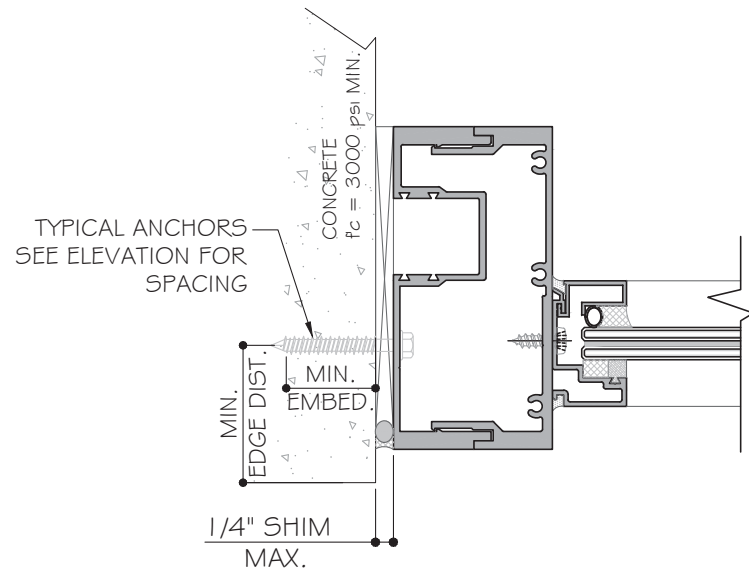
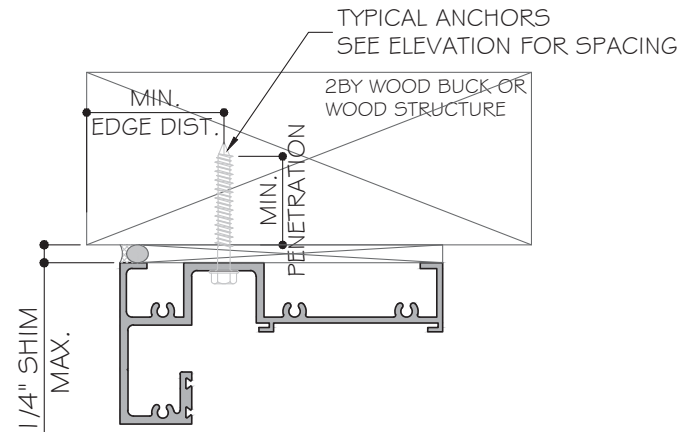
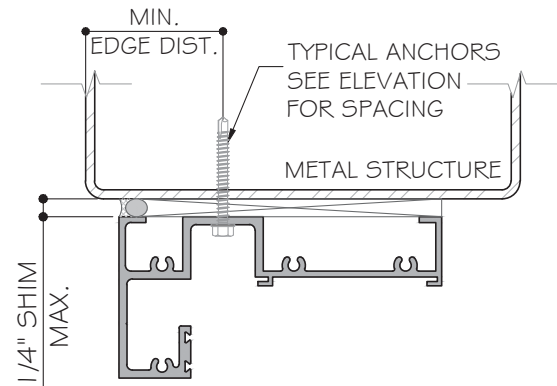
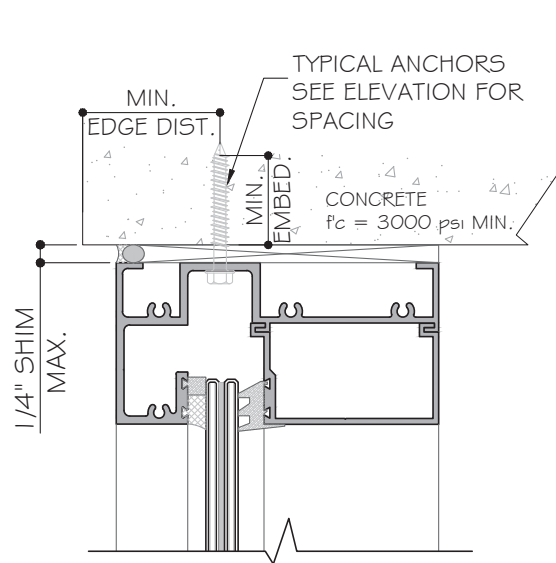
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Scale

D2



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE A: 5/16" "DEWALT" ULTRACON (FU= 177KSI, FY= 155KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
 1-1/2" MIN. PENETRATION .

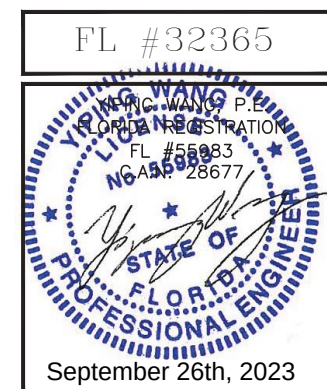
DIRECTLY INTO GROUT FILLED BLOCK (JAMB ONLY)
 1-3/4" MIN. EMBEDMENT

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

TYPE B: 5/16" "ELCO" DRIL-FLEX SCREWS (GRADE 5 CRS) (FU= 120KSI, FY=92KSI)
 INTO MIAMI-DADE COUNTY APPROVED MULLION OR INTO METAL STRUCTURES
 (3)THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN).
 STEEL: 16 GAUGE MIN. (FY = 33 KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED)

MIN. EDGE DIST:
 INTO CONCRETE OR BLOCKS: 2-1/2" MIN.
 INTO WOOD STRUCTURE: 3/4" 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.
 FILLED BLOCK AT JAMBS: f'c = 2000 PSI MIN.



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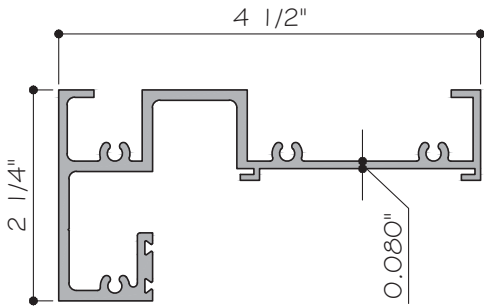
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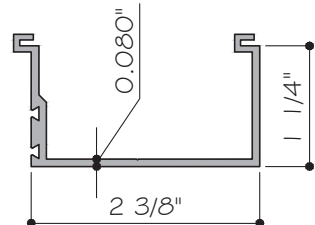
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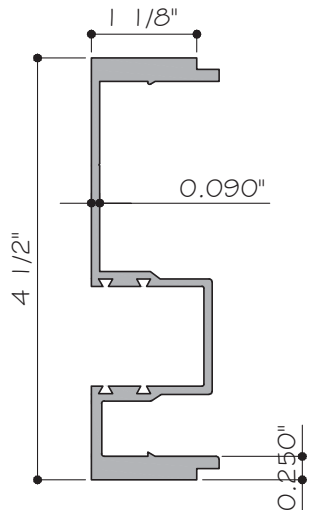
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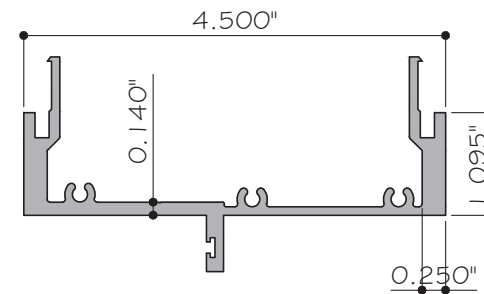
1 FRAME HEAD
WW14H (6063-T5)



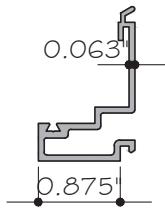
2 HEADER GLASS STOP
WW13GB (6063-T5)



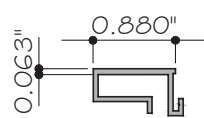
3 FRAME /JAMB BASE
WW11M (6063-T5)



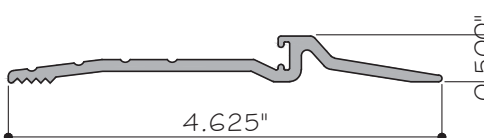
4 JAMB FOR DOOR
WW17J (6063-T5)



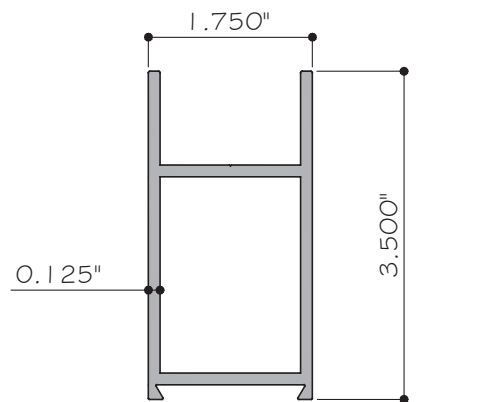
5 EXTER. GLASS STOP
WW185 (6063-T5)



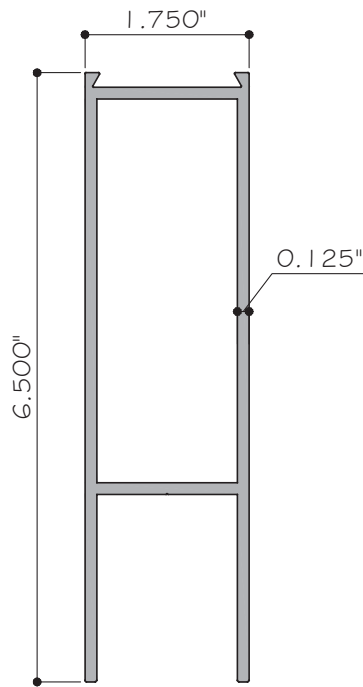
6 INTER. GLASS STOP
WW195 (6063-T5)



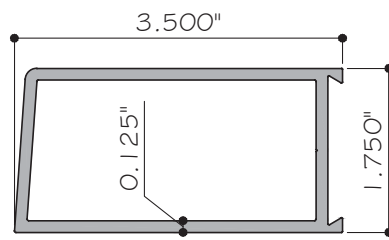
7 DOOR THRESHOLD
WW520B (6063-T5)



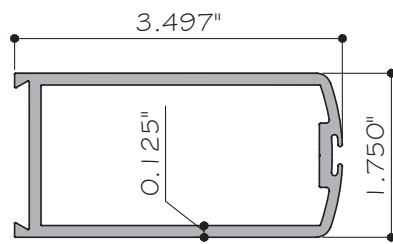
8 DOOR TOP RAIL
WW1311 (6063-T5)



9 DOOR BOTT. RAIL
WW1314 (6063-T5)

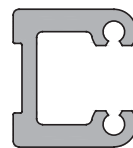


10 DOOR JAMB STILE
WW1315 (6063-T5)



11 DOOR ASTRAGAL
WW1316 (6063-T5)

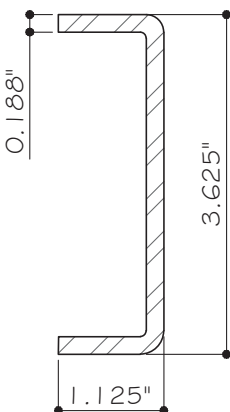
BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	MANUF. / REMARKS
1	WW14H	FRAME HEAD	ALUM. 6063-T6	EMC
2	WW13GB	HEADER GLASS STOP	ALUM. 6063-T6	EMC
3	WW11M	FRAME /JAMB BASE	ALUM. 6063-T6	EMC
4	WW17J	JAMB FOR DOOR	ALUM. 6063-T6	EMC
5	WW185	EXTER. GLASS STOP	ALUM. 6063-T6	EMC
6	WW195	INTER. GLASS STOP	ALUM. 6063-T6	EMC
7	WW520B	DOOR THRESHOLD	ALUM. 6063-T6	EMC
8	WW1311	DOOR TOP RAIL	ALUM. 6063-T6	EMC
9	WW1314	DOOR BOTT. RAIL	ALUM. 6063-T6	EMC
10	WW1315	DOOR JAMB STILE	ALUM. 6063-T6	EMC
11	WW1316	DOOR ASTRAGAL	ALUM. 6063-T6	EMC
12	WW1338	SHEAR BLOCK	ALUM. 6063-T6	EMC
13	WW1339	BACK PLATE	ALUM. 6063-T6	EMC
14	ASTM-36	REINF. CHANNEL	STEEL, 3 5/8"X1 1/8"X 3/16"	EMC
15	4102	BACKUP PLATE	STEEL, 1 1/8"X8"X1/8"	EMC
16	-	SETTING BLOCK AT 1/4 POINT	5/8"X3/8", EPDM, DUROMETER 85 +/-5 SHORE-A	EMC / TREMCO
16A	-	SETTING BLOCK AT 1/4 POINT	9/16"X3/4", EPDM, DUROMETER 85 +/-5 SHORE-A	EMC / TREMCO
17	WWFP489	WEDGE GASKET	EPDM, DUROMETER 70 +/-5 SHORE-A	EMC / TREMCO
18	WWFP491B	1/4"X1/4" STOP	EPDM, DUROMETER 70 +/-5 SHORE-A	EMC / TREMCO
19	WHWF350	WEATHERSTRIP	FINSEAL	AMESBURY
20	AP 305	WEATHERSTRIP	DUAL TPE	SCHLEGEL
21	3833	3/8" THREADED ROD	STEEL, 3/8"X33"	EMC
22	6234	THRESHOLD CLIP	STEEL, 1"X1"X2"	EMC



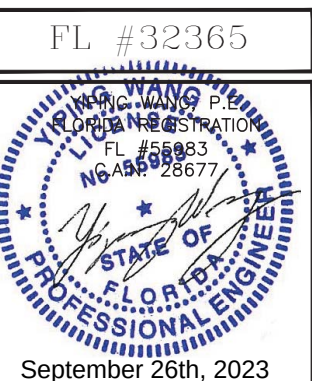
12 SHEAR BLOCK
WW1338 (6063-T5)



13 BACK PLATE
WW1339 (6063-T5)



14 REINF. CHANNEL
STEEL,
3 5/8"X1 1/8"X 3/16" THK.



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PARTS-1

Sheet No.
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