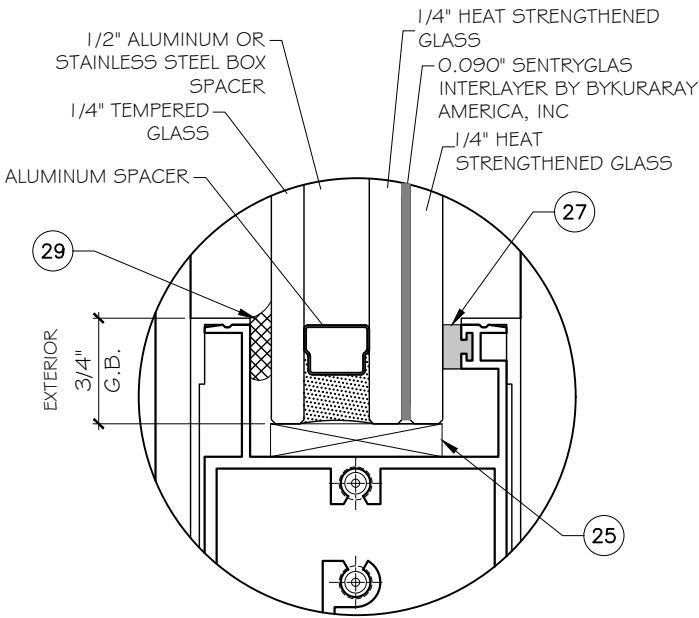
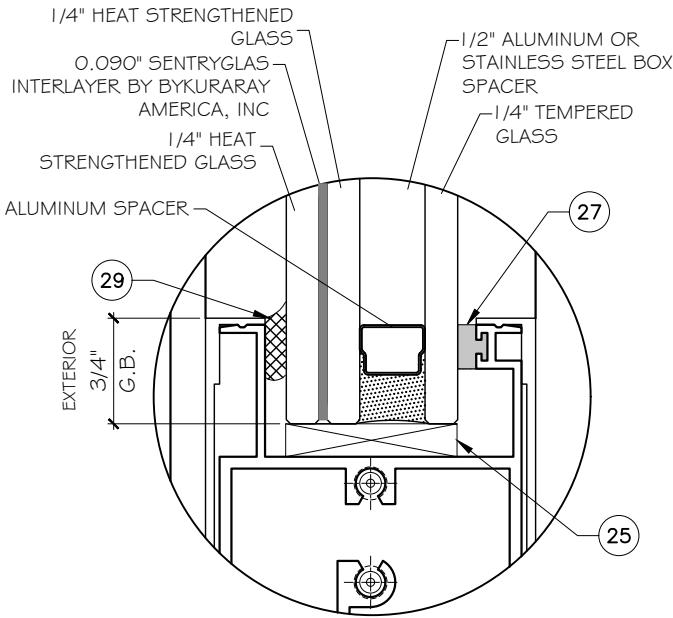


CONTINENTAL GLASS SYSTEMS

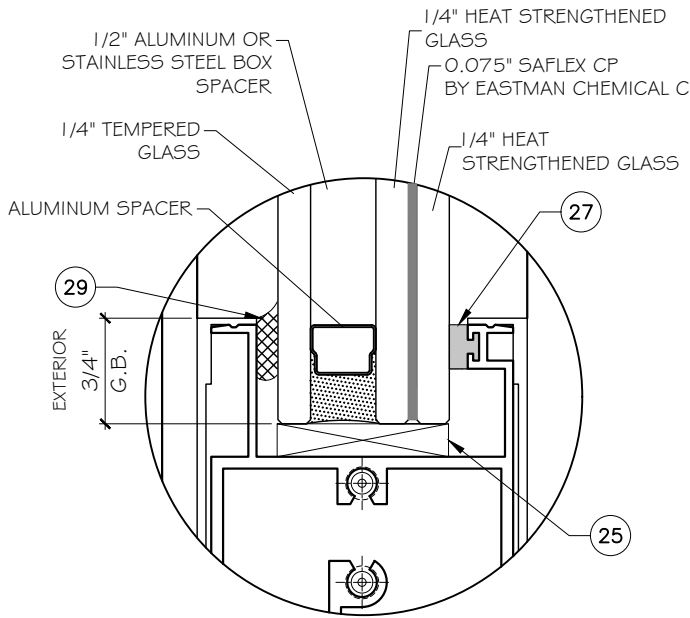
2850 SERIES 2 TRACK LIFT AND SLIDE GLASS DOOR (LMI)



GLASS TYPE "G1"
1 5/16" INSULATED LAMINATED GLASS
LAMINATED ON INTERIOR SIDE



GLASS TYPE "G1A"
1 5/16" INSULATED LAMINATED GLASS
LAMINATED ON EXTERIOR SIDE



GLASS TYPE "G5"
1 5/16" INSULATED LAMINATED GLASS
LAMINATED ON INTERIOR SIDE

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 7TH EDITION FLORIDA BUILDING CODE (2020) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- DOOR IS RATED FOR LARGE MISSILE IMPACT.
IMPACT SHUTTERS ARE NOT REQUIRED FOR ELEVATIONS ANY HEIGHT ABOVE GRADE.
- DOORS ARE APPROVED FOR AIR AND WATER INFILTRATION RESISTANCE.
- 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 FLORIDA BUILDING CODE.
- METAL STRUCTURES NOT BY CONTINENTAL GLASS SYSTEMS, LLC., SHALL BE DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE MAIN BUILDING STRUCTURE.
- ULTIMATE LOAD OBTAINED FROM ASCE 7-16, MULTIPLIED 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.

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

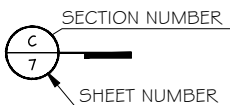
INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1:** DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2:** SEE LIFT & SLIDE ON SHEET E1 TO E3 AND STD. SGD ON SHEET E4 TO E6 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE BASED ON APPLICABLE WIND DURATION. SEE SHEET E7 FOR ADDITIONAL QUALIFIED CONFIGURATIONS
- STEP 3:** SEE ANCHOR TYPE AND ANCHOR LAYOUT ON SHEET A1.
- 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. WHEN USE SYSTEM WITH DOOR, THE LOWER VALUE OF THE DESIGN PRESSURE RATING FOR THE SYSTEM AND THE DOOR SHALL APPLY.

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

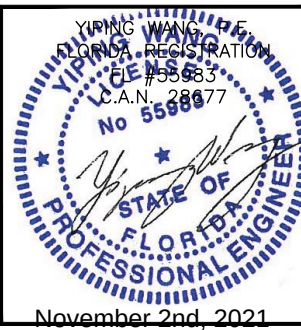


LIMITATIONS OF USE

- 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#21079.2



SERIES 2850 2 TRACK LIFT AND SLIDE GLASS DOOR L.M.I.

CONTINENTAL GLASS SYSTEMS

325 WEST 74 PLACE,

HIALEAH, FL 33014

TEL. (305) 231-1101

MCY ENGINEERING, INC.

GLAZING CONSULTANTS

12781 MIRAMAR PKWY. STE. 301

MIRAMAR, FL 33027

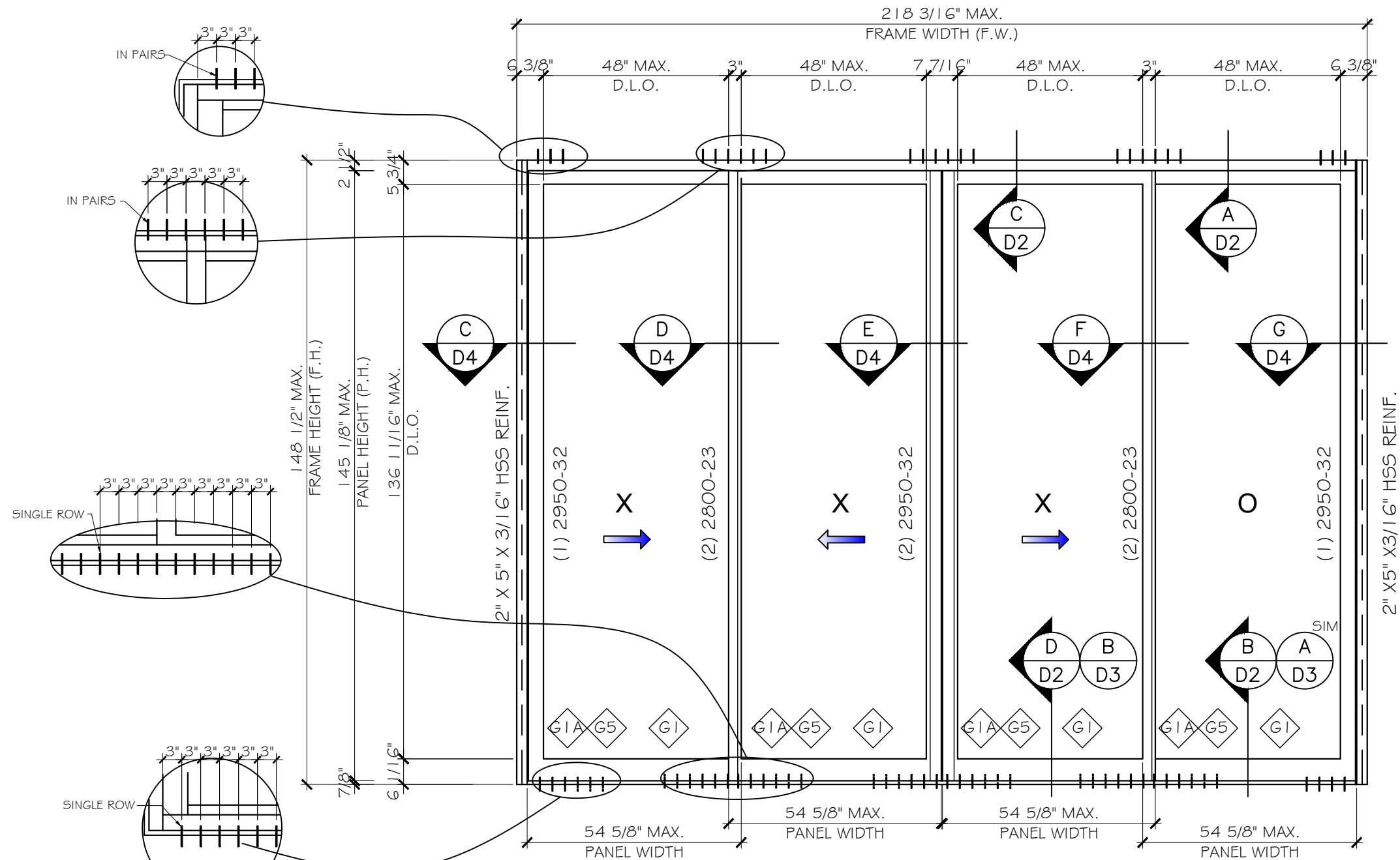
P. 305.271.0117

www.MCYEngineering.com

mcy@mcyengineering.com



Rev. No.	Date	Drawn By	Description
1.	10/14/2021	James	
Drawn Date	10/14/2021	Scale	
DRAWING NO.			
AD21-33			
C1			
Sheet No.			
1 OF 20			



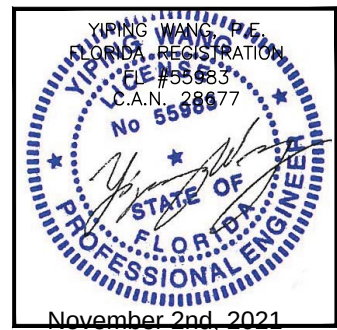
TYPICAL EXTERIOR ELEVATION (XXXO)
SEE ANCHOR OPTION & ANCHOR CHART ON SHEET A1 & A2

DESIGN LOAD CAPACITY - PSF			
NOM. PANEL WIDTH	FRAME HEIGHT	GLASS TYPE	DESIGN LOAD
INCH	INCH		(+/-) PSF
54.5	148.5	G1A	154
23	148.5	G1A	162
54.5	148.5	G5	162
50.5	148.5	G1	162
54.5	137	G1	158
54.5	132	G1	160
54.5	148.5	G1	110

SEE SHEET E7 FOR
ADDITIONAL QUALIFIED
CONFIGURATIONS

LIFT & SLIDE

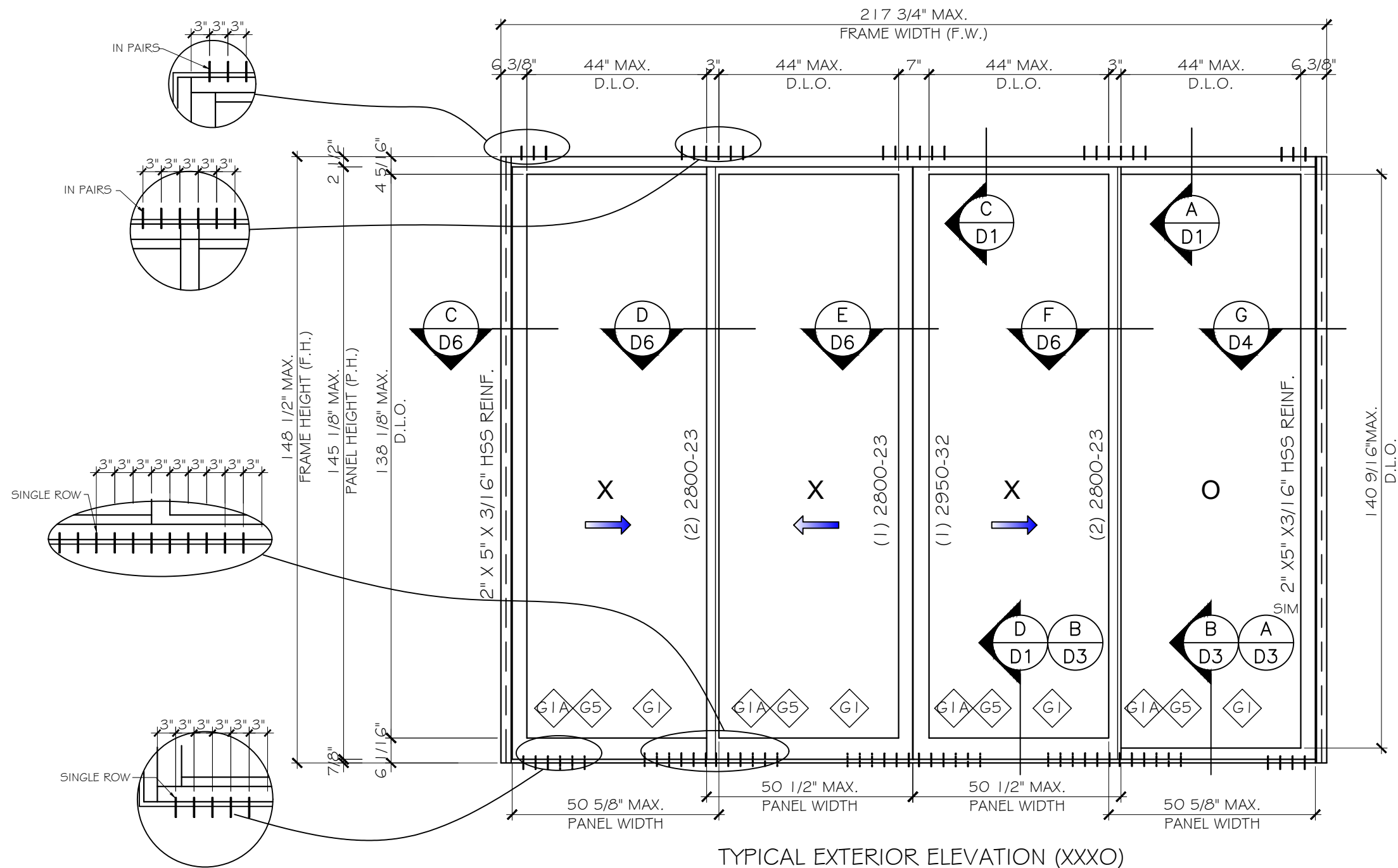
FLORIDA APPROVAL:
FL#21079.2



SERIES 2850 2 TRACK LIFT AND SLIDE GLASS DOOR L.M.I.
CONTINENTAL GLASS SYSTEMS
325 WEST 74 PLACE,
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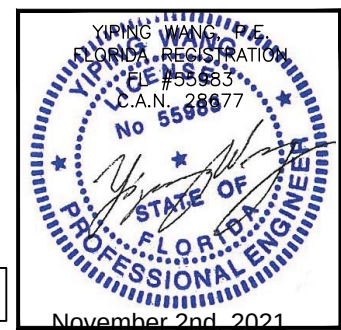
TYPICAL EXTERIOR ELEVATION (XXXO)
SEE ANCHOR OPTION & ANCHOR CHART ON SHEET A1 & A2

DESIGN LOAD CAPACITY - PSF			
NOM. PANEL WIDTH	FRAME HEIGHT	GLASS TYPE	DESIGN LOAD
INCH	INCH		(+/-) PSF
54.5	148.5	G1A	154
23	148.5	G1A	162
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54.5	137	G1	158
54.5	132	G1	160
54.5	148.5	G1	110

SEE SHEET E7 FOR
ADDITIONAL QUALIFIED
CONFIGURATIONS

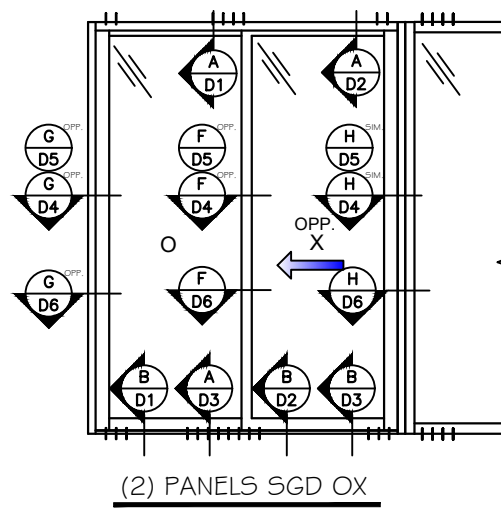
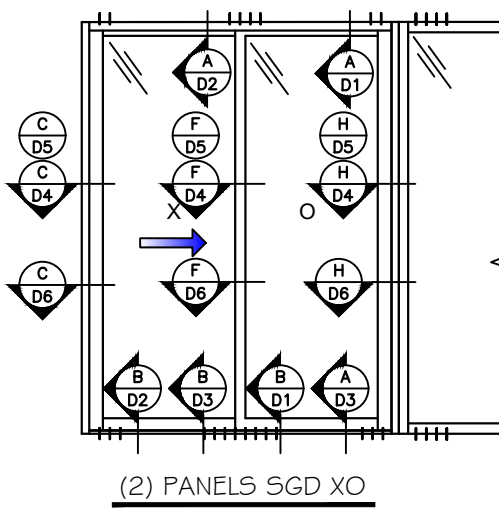
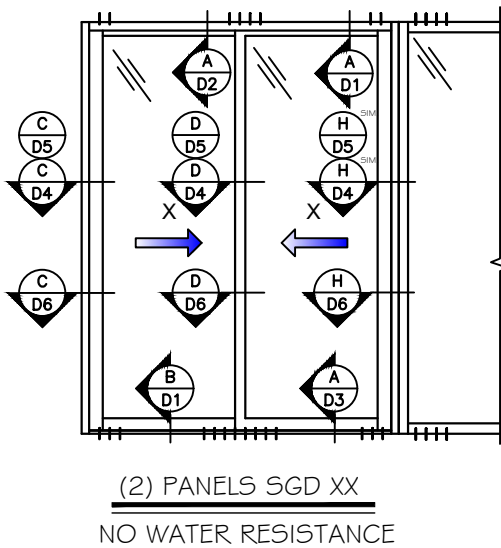
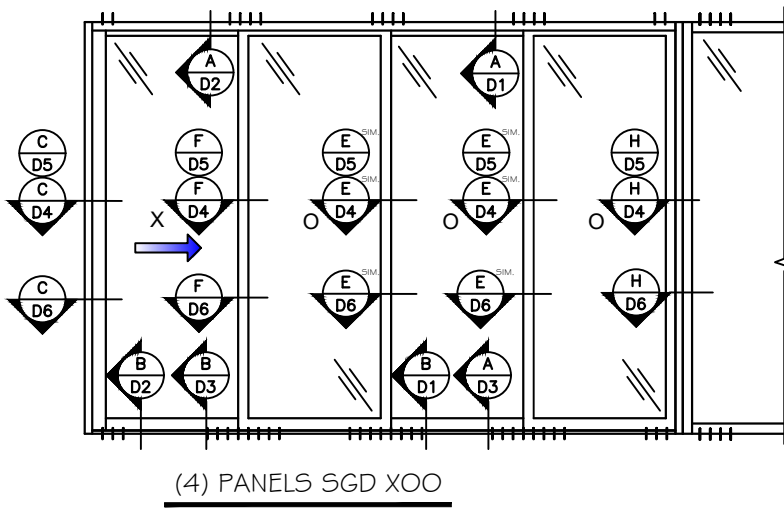
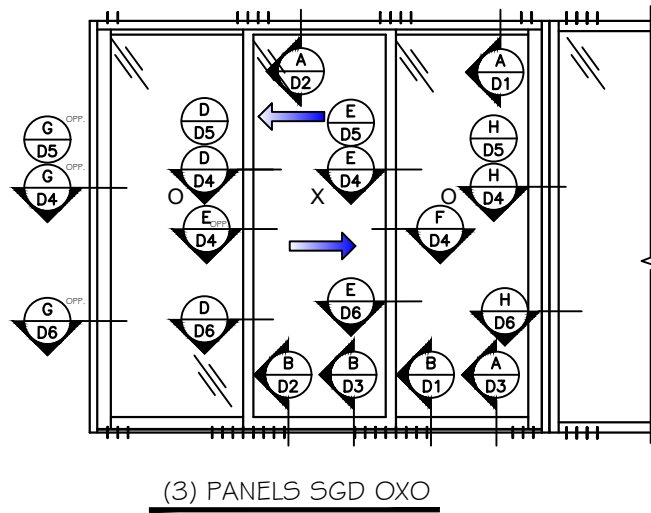
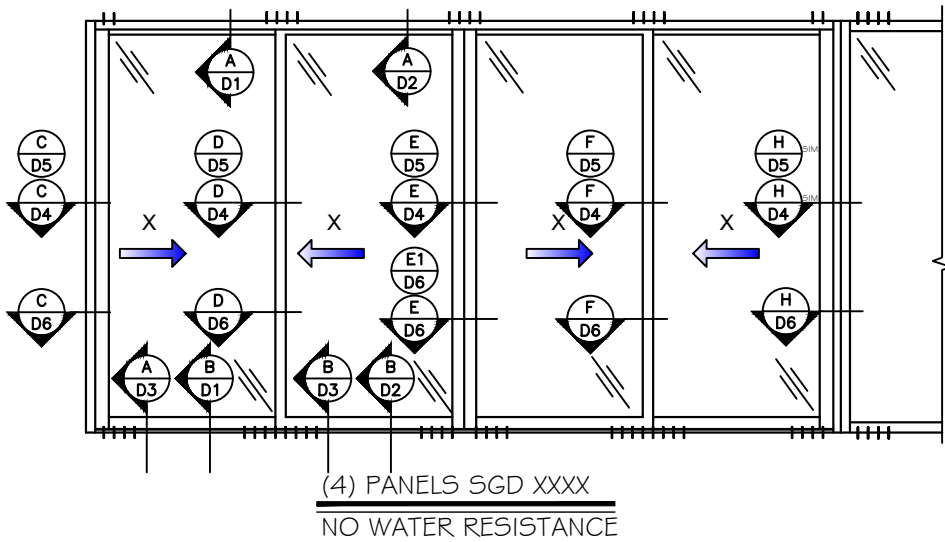
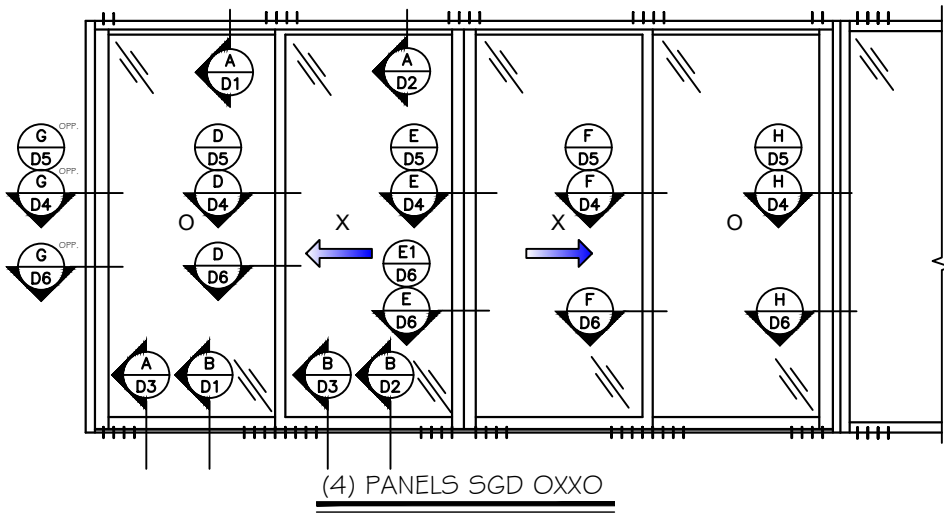
STANDARD SGD

FLORIDA APPROVAL:
FL#21079.2



TYPICAL LIFT & SLIDE OR SGD OPTIONAL CONFIGURATIONS

ALL SGD TYPES CAN BE USED WITH OR WITHOUT WINDOW WALL CG5 WW3900 SYSTEM AT EITHER SIDE OF SGD.
WINDOW WALL IS UNDER SEPARATE APPROVAL.



FLORIDA APPROVAL:
FL#21079.2

YIPING WANG
PROFESSIONAL ENGINEER
FLORIDA
No 55988
November 2nd, 2021

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL 33027
P: 305.271.0117
www.MCYEngineering.com mcy@mcyengineering.com

CONTINENTAL GLASS SYSTEMS
325 WEST 74 PLACE,
HIALEAH, FL 33014
TEL: (305) 231-1101

SERIES 2850 2 TRACK LIFT AND SLIDE GLASS DOOR L.M.I.

Rev. No.

1.

10/14/2021

James

Drawn By

Date

Scale

Drawing No.

AD21-33

Sheet No.

8 OF 20

DESIGN LOAD DUE TO ANCHOR CAPACITY - PSF				
DOOR PANEL SIZE		HEAD & SILL INTO CONCRETE		
WIDTH	HEIGHT	A8	A10	A12
		1/2" MAX. SHIM		
(IN)	(IN)	(+)/(-)	(+)/(-)	(+)/(-)
42	120	162.00	162.00	162.00
48		162.00	162.00	162.00
54		145.78	162.00	162.00
42	126	162.00	162.00	162.00
48		156.19	162.00	162.00
54		138.84	162.00	162.00
42	132	162.00	162.00	162.00
48		149.09	162.00	162.00
54		132.53	162.00	162.00
42	138	162.00	162.00	162.00
48		142.61	162.00	162.00
54		126.76	158.45	162.00
42	144	156.19	162.00	162.00
48		136.67	162.00	162.00
54		121.48	151.85	162.00
42	148	151.46	162.00	162.00
48		132.53	162.00	162.00
54		117.80	147.25	162.00

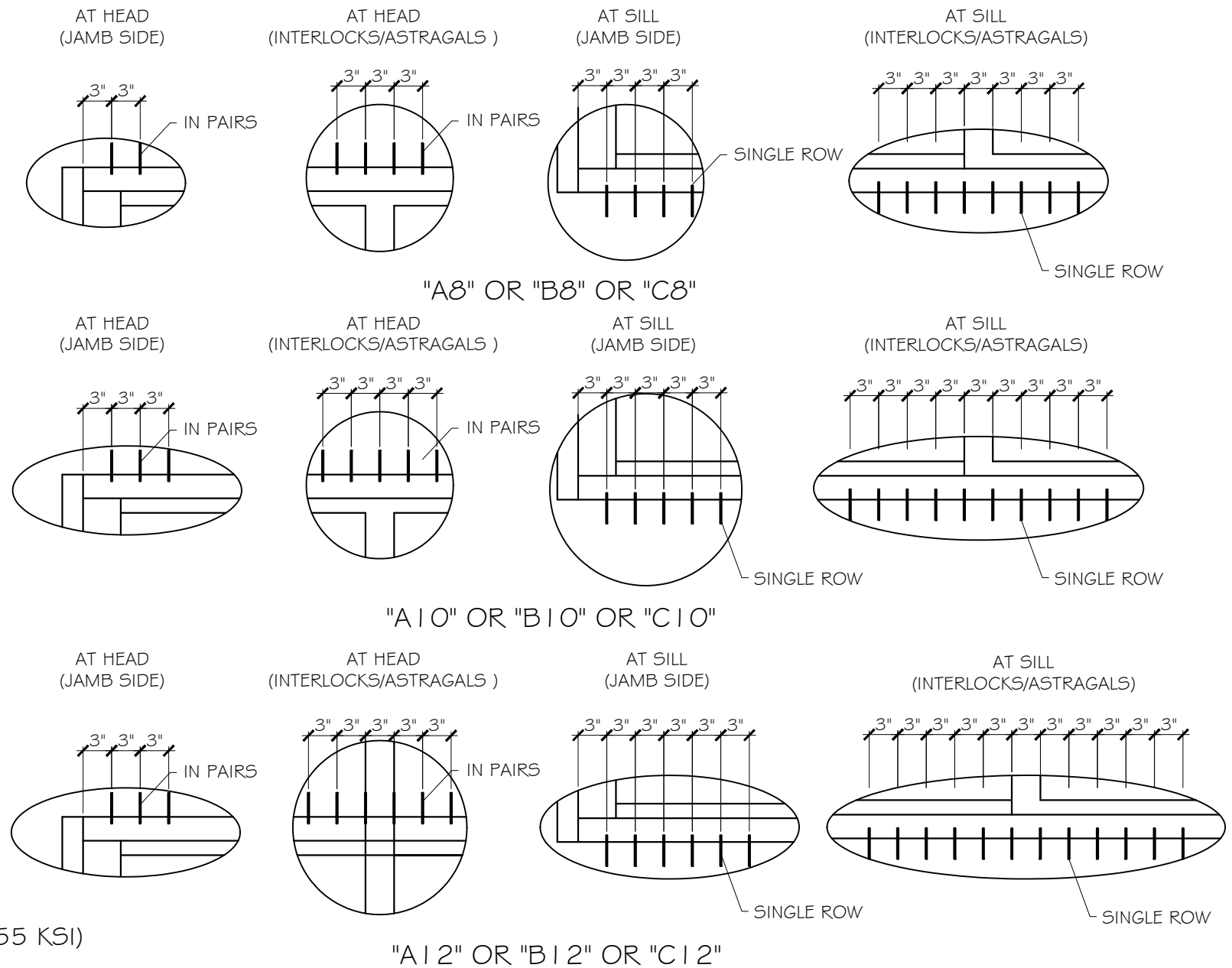
-TYPICAL ANCHORS: (SEE ELEVATIONS FOR SPACING)

TYPE 'A' -- 5/16" DIA. ULTRACON BY 'ELCO' OR 'DEWALT' ($F_u = 177$ KSI, $F_y = 155$ KSI)
DIRECTLY INTO CONCRETE ($f'_c = 4000$ PSI MIN.).
2" MIN. EMBED IN CONCRETE

TYPE 'B' -- 5/16" DIA. SELF DRILLING SCREWS (GRADE 5 CRS)(F_u=120 KSI, F_y=92 KSI)
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS
 OR INTO ALUM. STRUCTURES
 1/8" THK. MIN. (6063-T5 MIN.)
 MIN. THREE THREADS PENETRATION BEYOND METAL WALL.

TYPE 'C' -- 5/16" DIA. SELF DRILLING SCREWS (GRADE 5 CRS) (F_u=120 KSI, F_y=92 KSI)
INTO STEEL STRUCTURE: 1/8" MIN. (F_y=36 KSI MIN.)
 MIN. THREE THREADS PENETRATION BEYOND METAL WALL.
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCES
 INTO CONCRETE = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1-1/4" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.



FLORIDA APPROVAL:

FL#21079.2

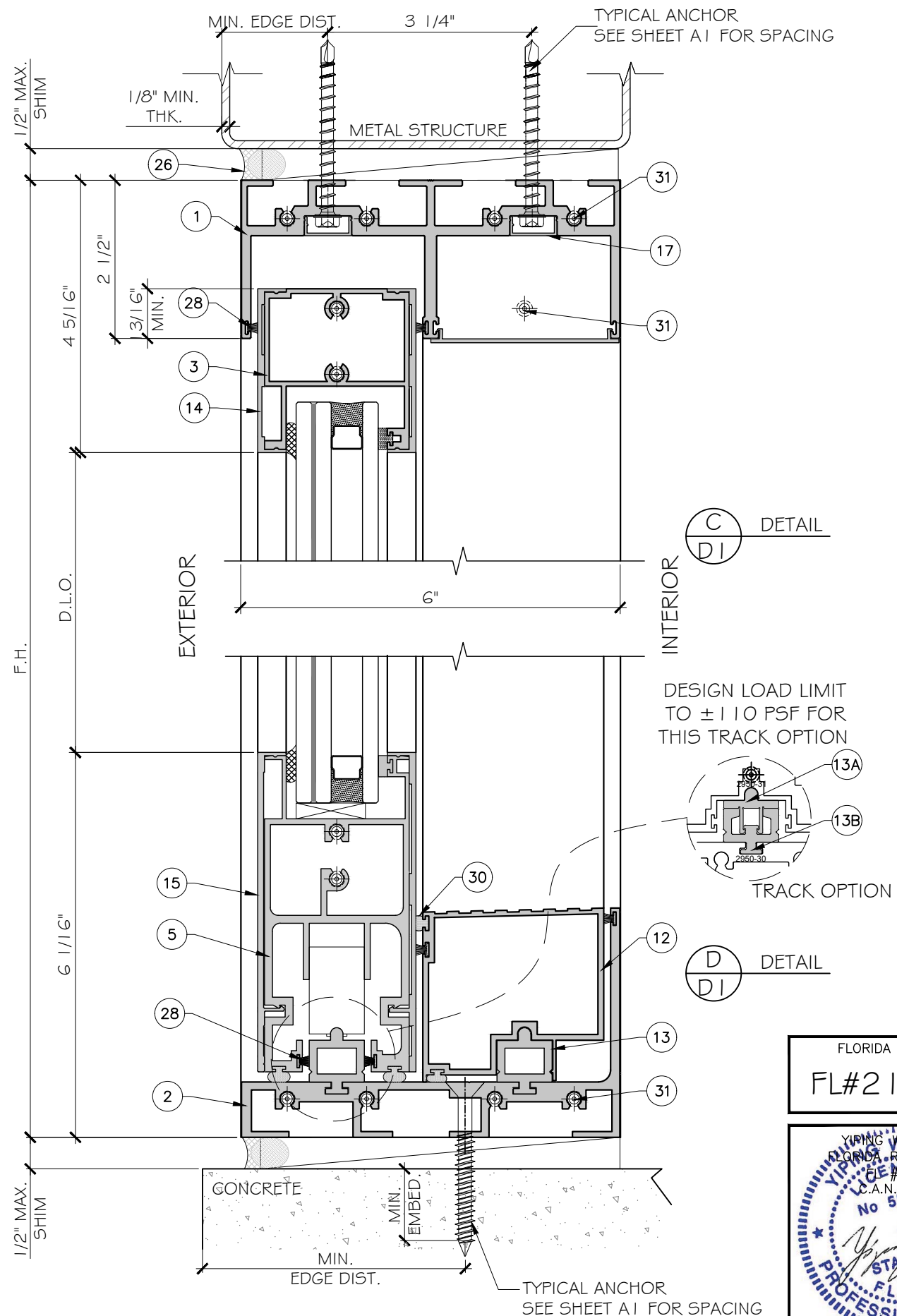
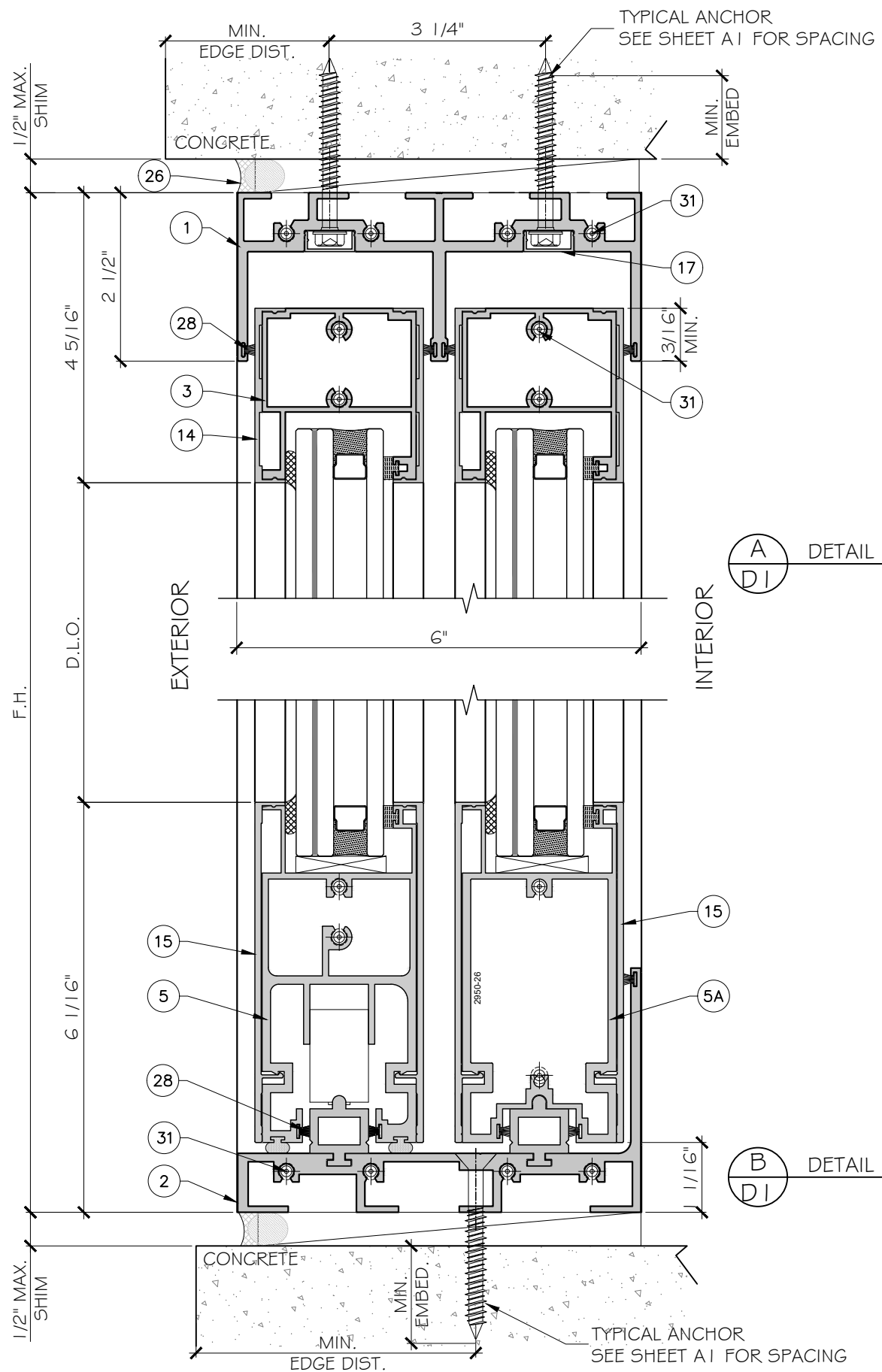
YIPING WANG P.E.
FLORIDA REGISTRATION
FL#55983
C.A.N. 28877

No 55983

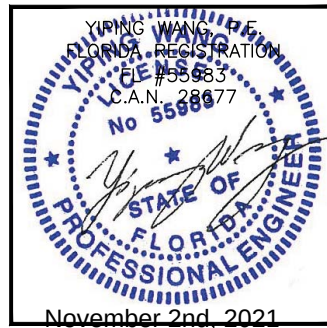
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

November 2nd, 2021

M C Y MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PKWY. STE. 301 MIRAMAR, FL 33027 P: 305.271.0117 www.MCYEngineering.com mcy@mcyengineering.com										SERIES 2850 2 TRACK LIFT AND SLIDE GLASS DOOR L.M.I. CONTINENTAL GLASS SYSTEMS 325 WEST 74 PLACE, HIALEAH, FL 33014 TEL. (305) 231-1101										1. Rev. No. 10/14/2021 Date James Drawn By REVISION Description										Drawn Date 10/14/2021 Scale										DRAWING NO. AD2 I -33										A I Sheet No. 9 OF 20									
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FLORIDA APPROVAL:
FL#21079.2

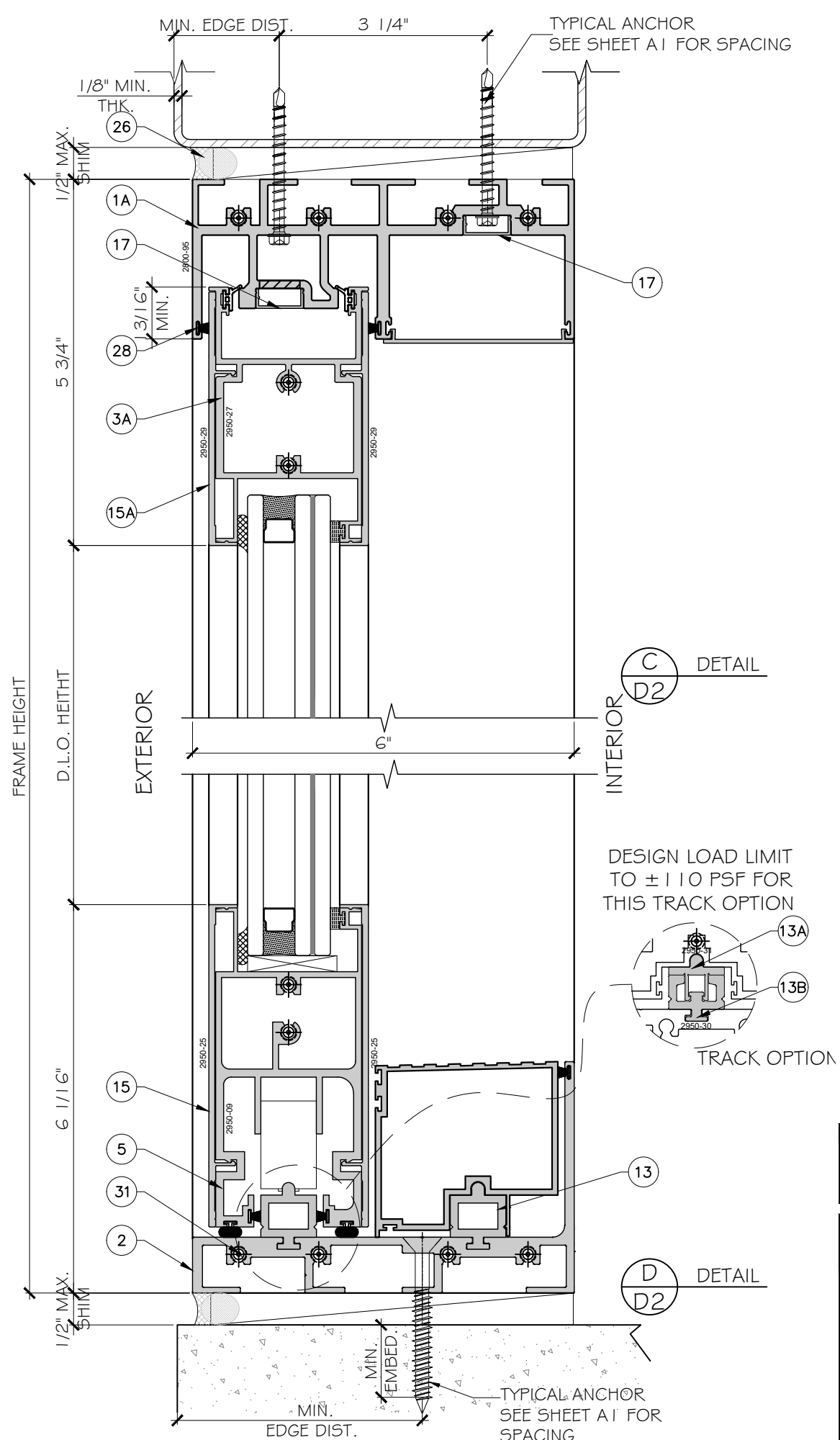
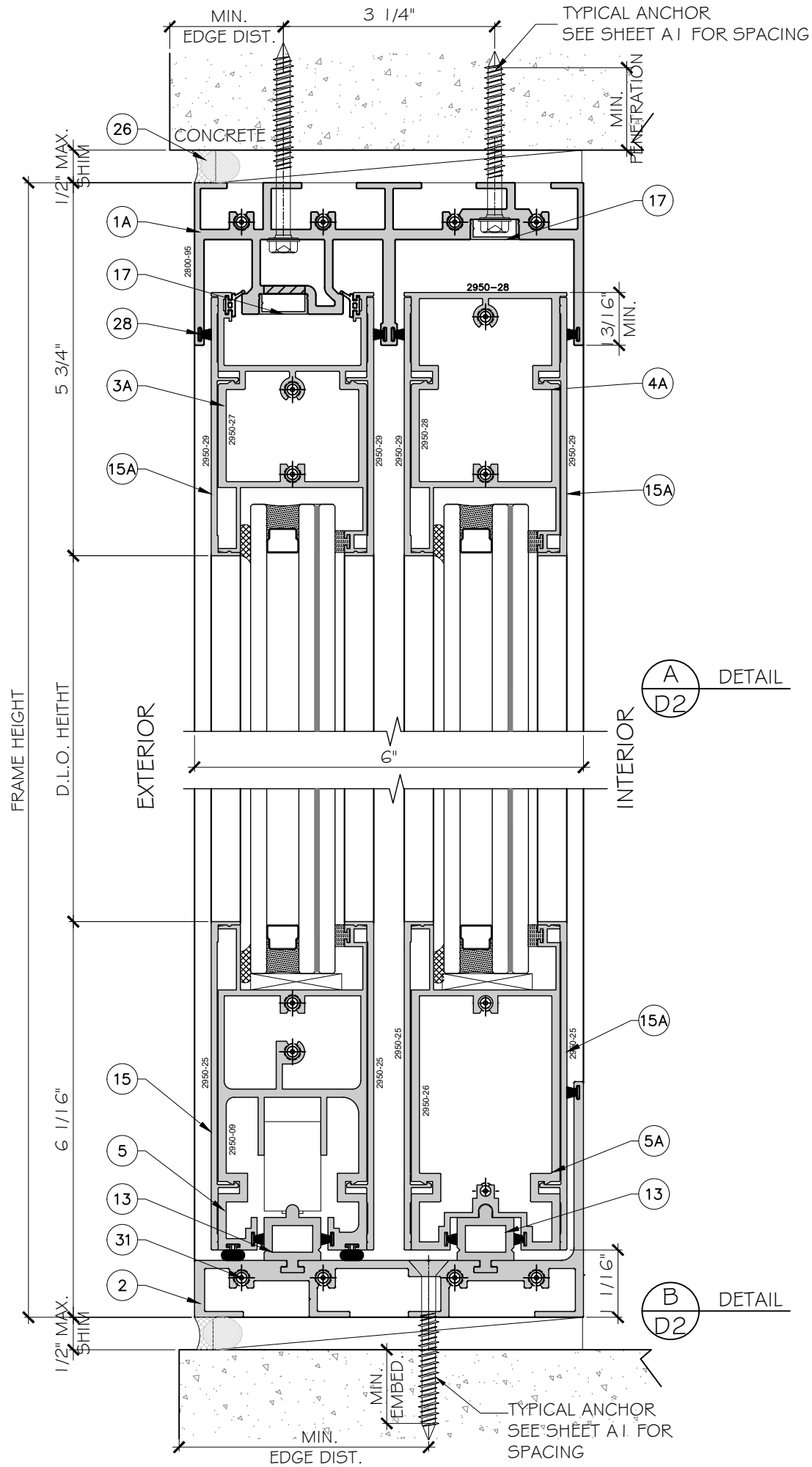


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MIRAMAR, FL 33027
P: 305.271.0117
www.MCYEngineering.com mcy@mcyengineering.com

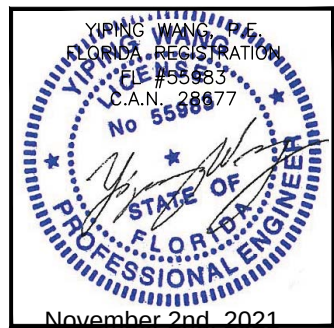
SERIES 2850 2 TRACK LIFT AND SLIDE GLASS DOOR L.M.I.
CONTINENTAL GLASS SYSTEMS
325 WEST 74 PLACE,
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TEL. (305) 231-1101

Rev. No.	Date	Drawn By	REVISION	Description
1.	10/14/2021	James		

Drawn Date 10/14/2021 Scale
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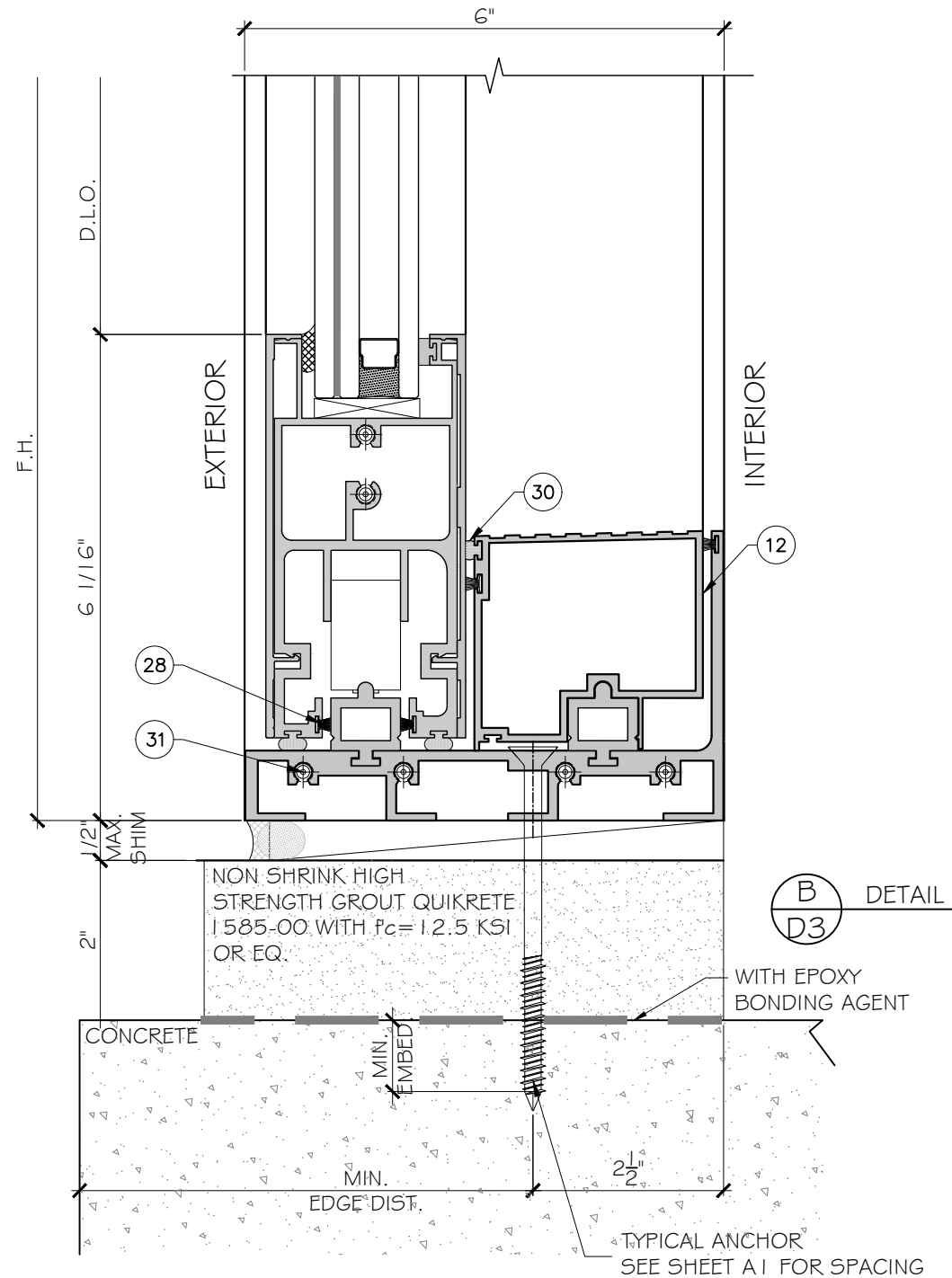
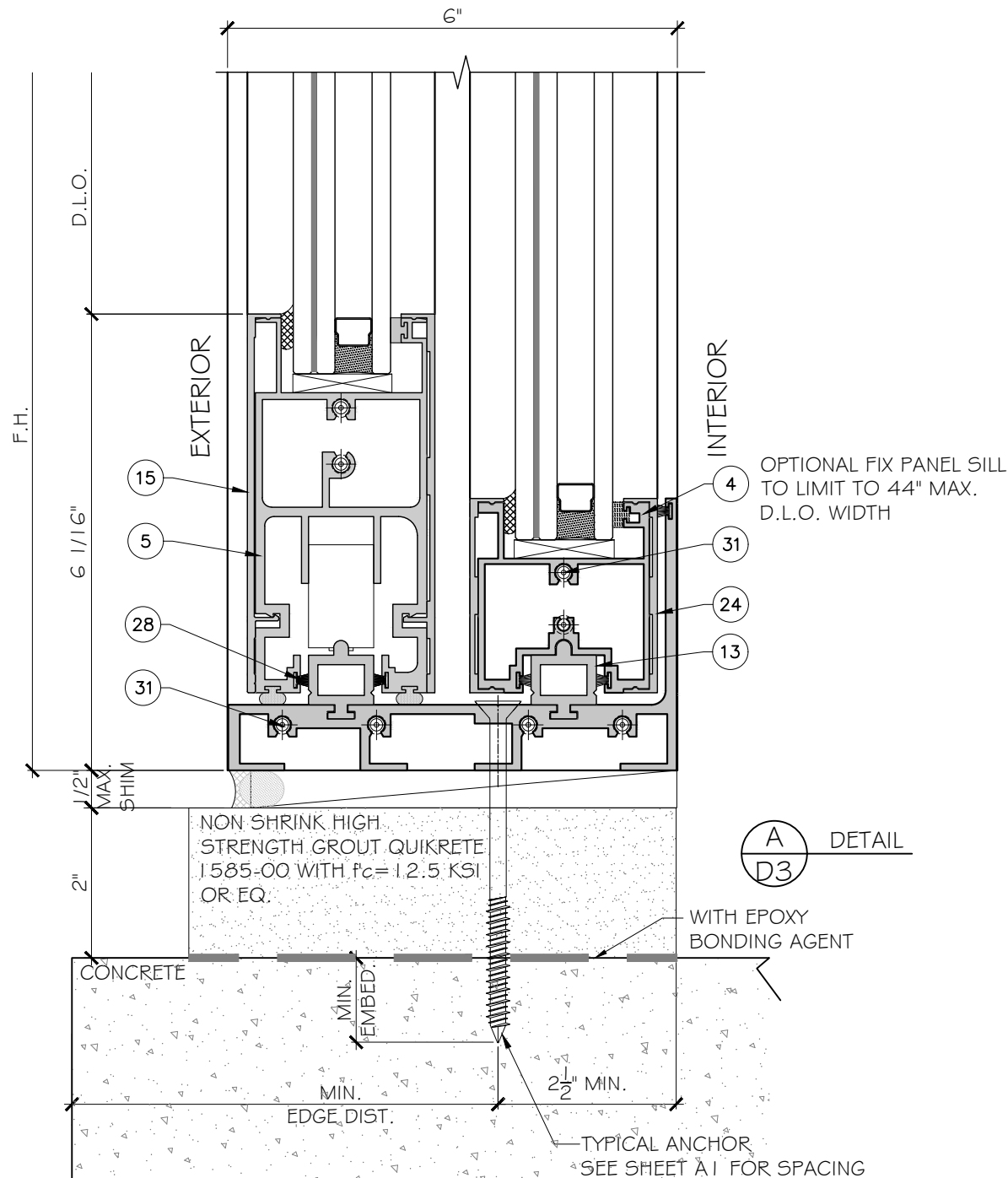
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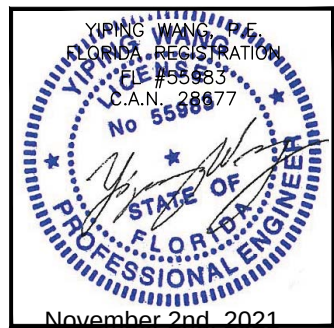
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TEL. (305) 231-1101

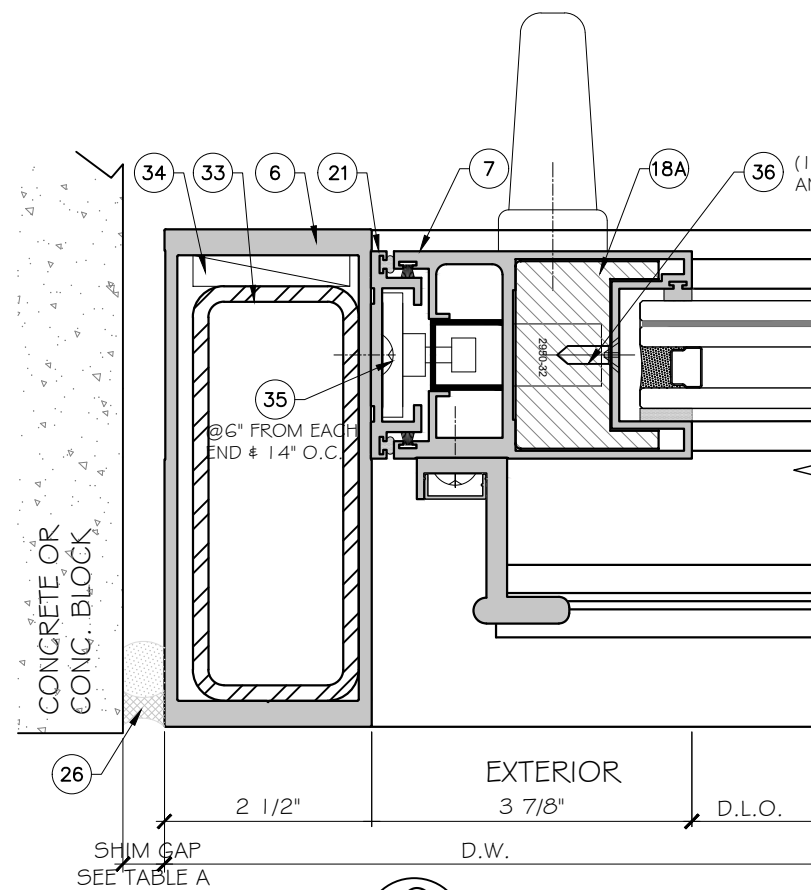
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1.	10/14/2021	James	REVISION
D2			
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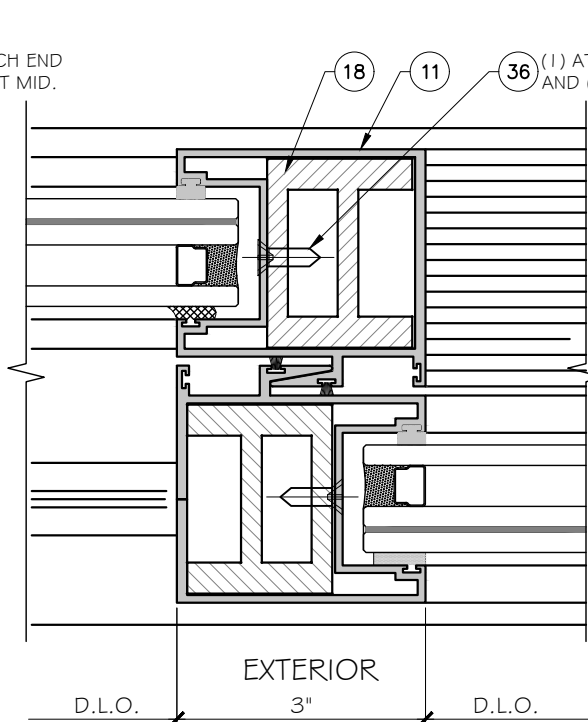
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FL#21079.2



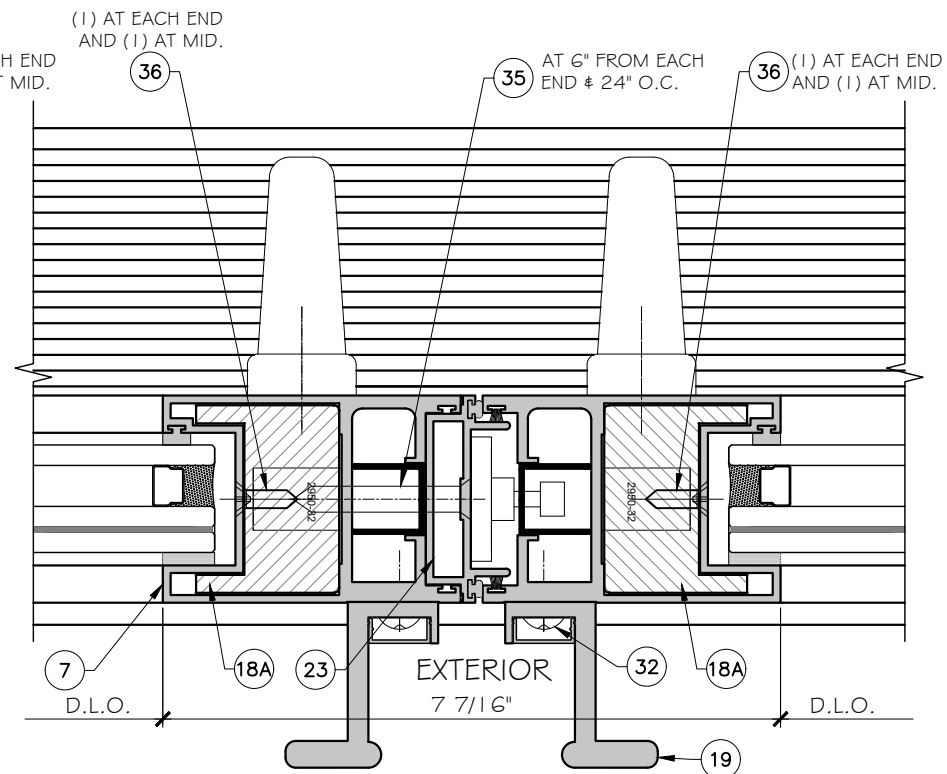
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Drawn Date 10/14/2021 Scale				
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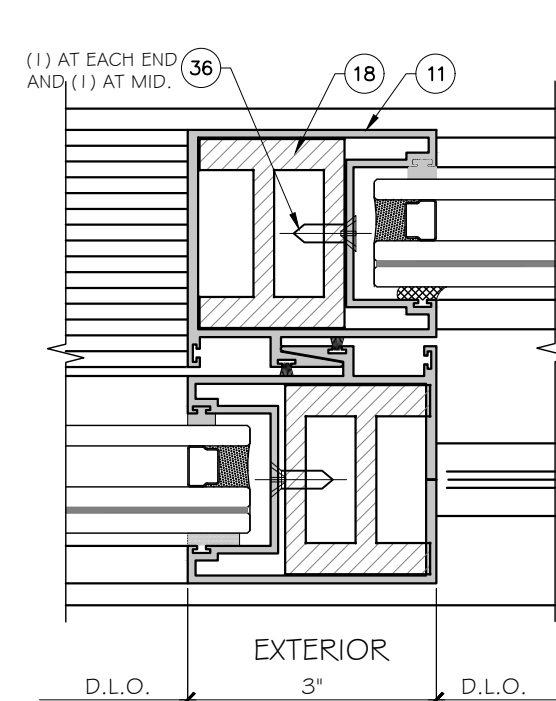
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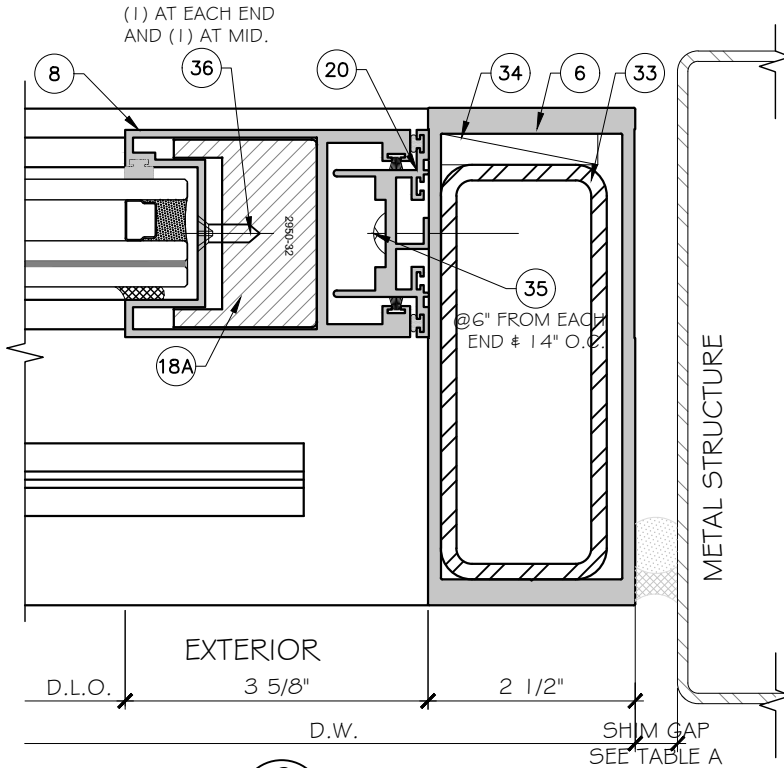
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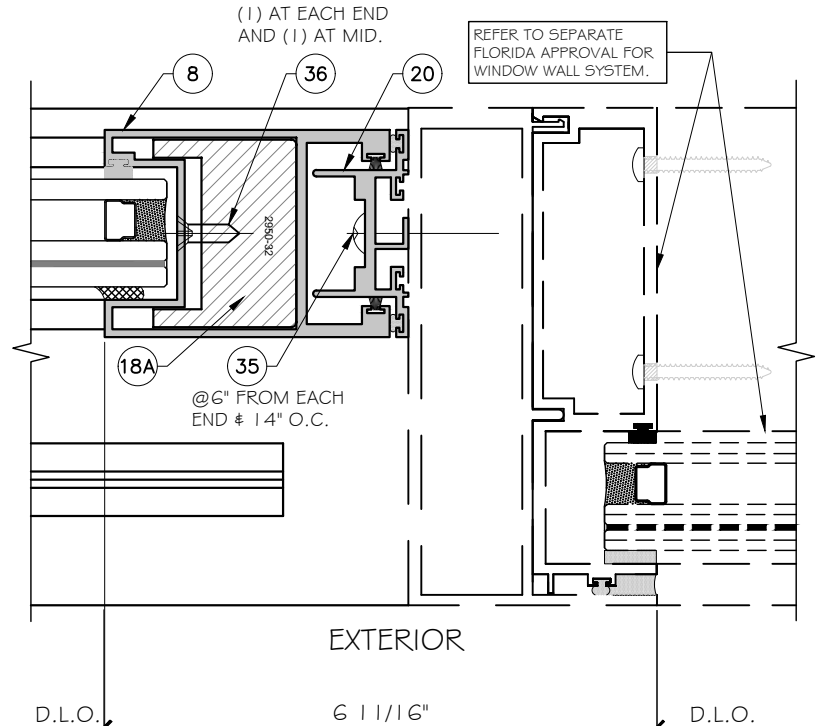
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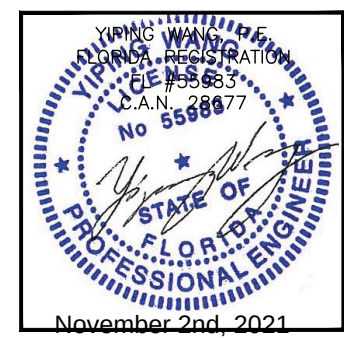
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TABLE A

MAX. FRAME HEIGHT	JAMB GAP	
	MIN.	MAX.
96"	5/16"	1-1/2"
108"	3/8"	1-1/2"
120"	3/8"	1-1/2"
132"	1/2"	1-1/2"
144"	1/2"	1-1/2"
148.5"	1/2"	1-1/2"

LIFT AND SLIDE

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SERIES 2850 2 TRACK LIFT AND SLIDE GLASS DOOR L.M.I.

CONTINENTAL GLASS SYSTEMS

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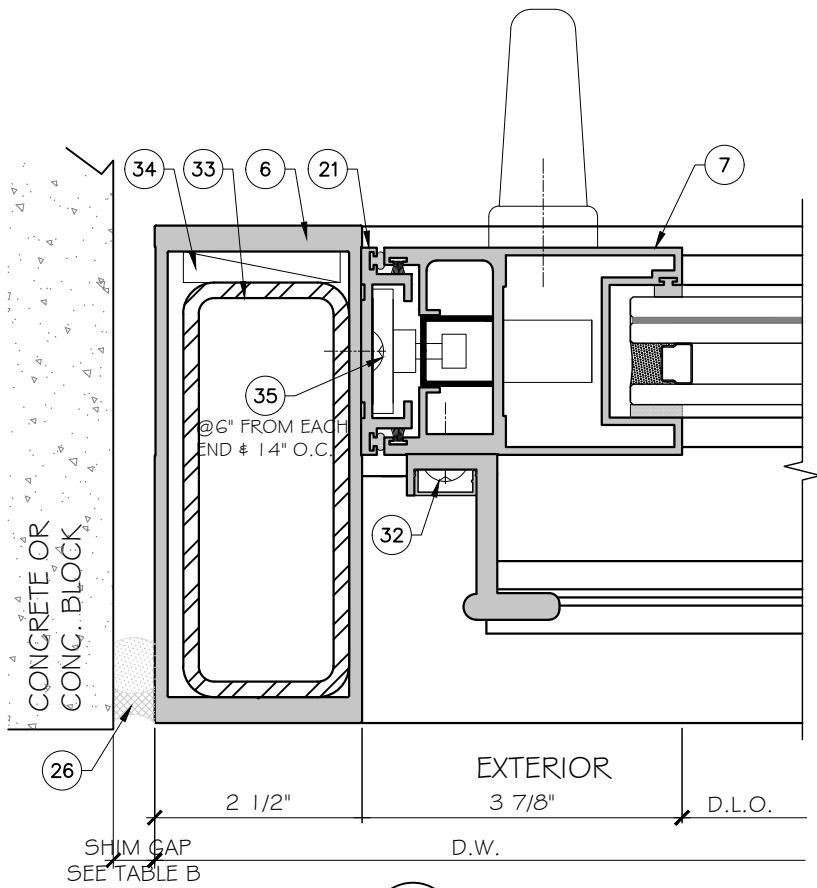
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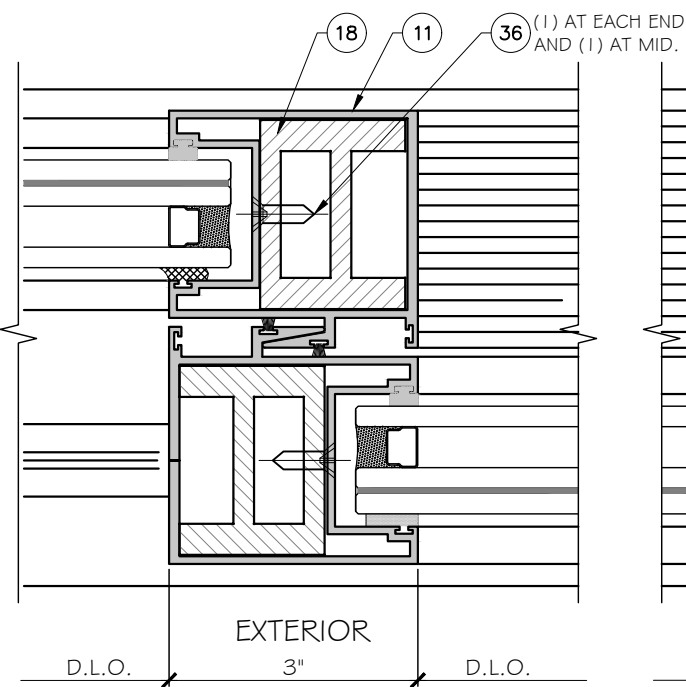
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AD21-33

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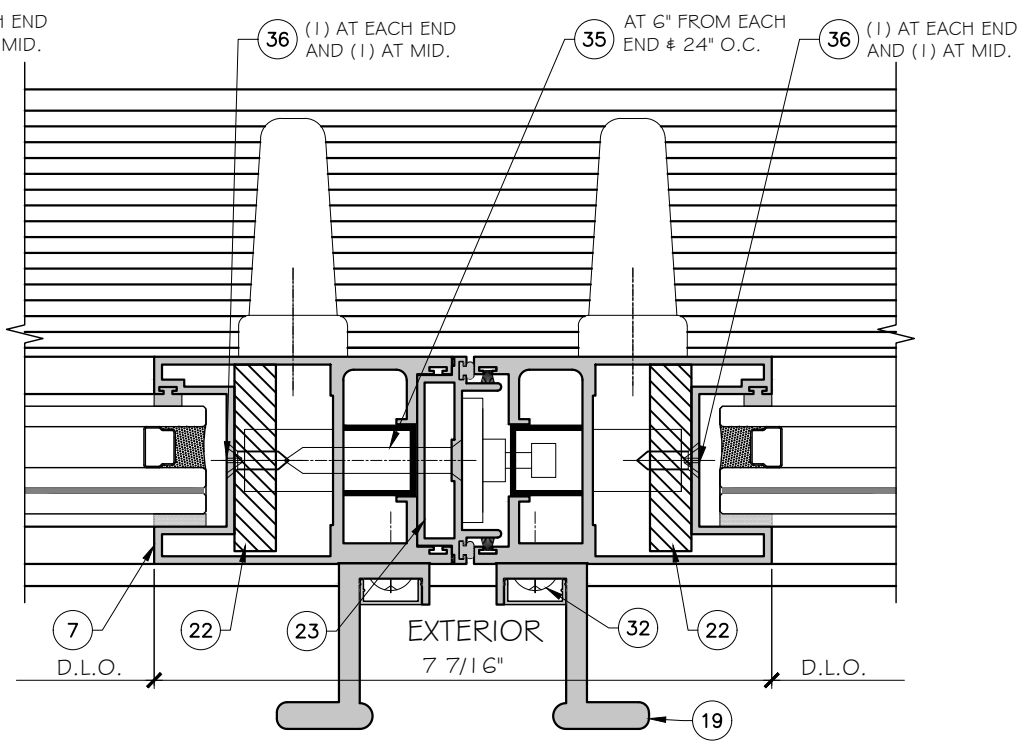
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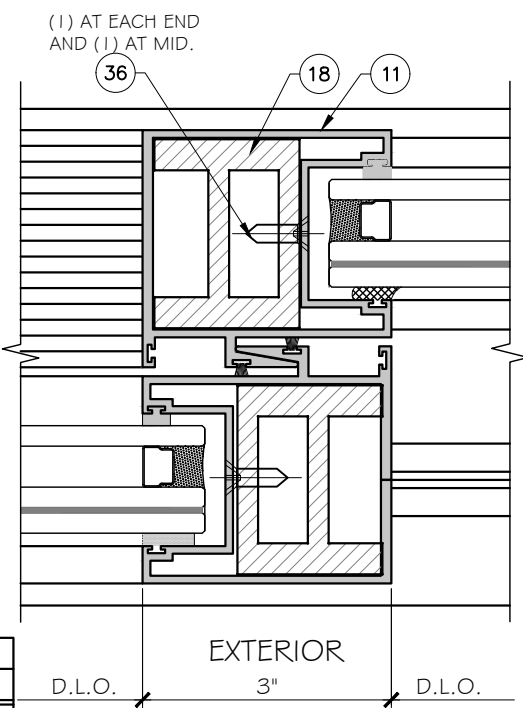
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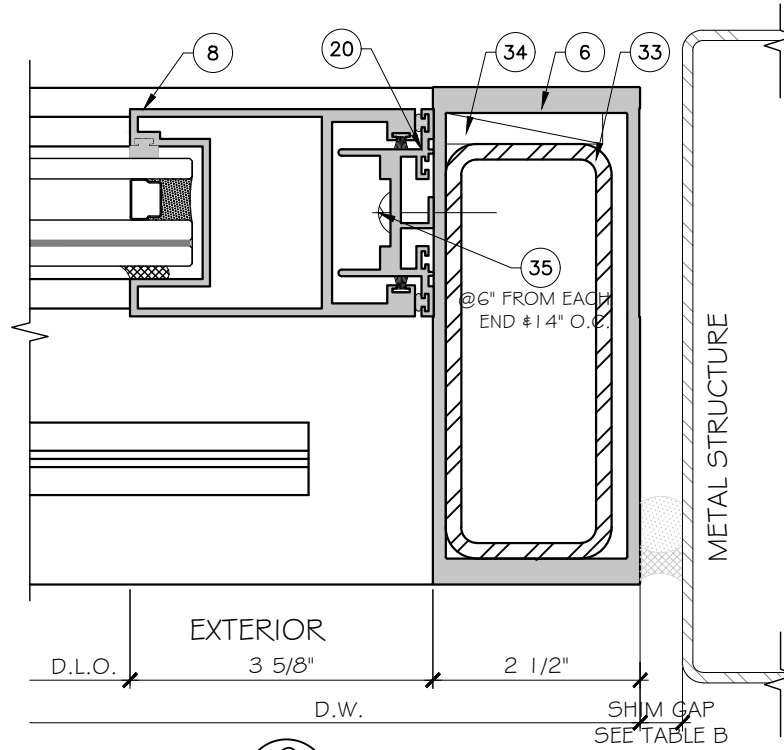
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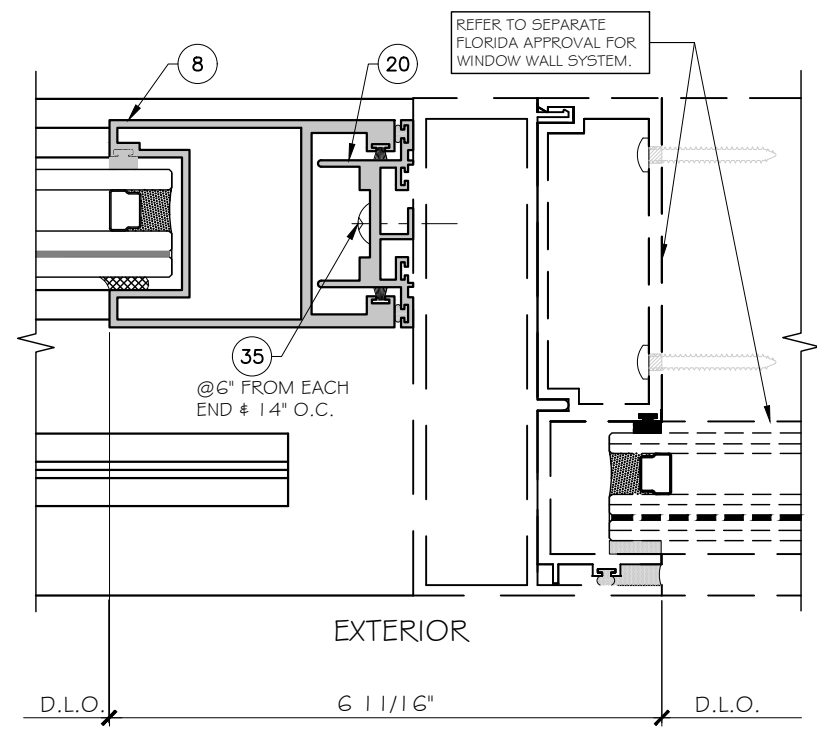
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TABLE B

MAX. FRAME HEIGHT	JAMB GAP	
	MIN.	MAX.
90"	5/16"	1-1/2"
96"	5/16"	1-1/2"
102"	5/16"	1-1/2"
108"	5/16"	1-1/2"
114"	5/16"	1-1/2"
120"	3/8"	1-1/2"
126"	3/8"	1-1/2"
128"	3/8"	1-1/2"
130"	3/8"	1-1/2"

LIFT AND SLIDE

FLORIDA APPROVAL:
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YIPING WANG
PROFESSIONAL ENGINEER
FL #55988
C.A.N. 28677

November 2nd, 2021

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SERIES 2850 2 TRACK LIFT AND SLIDE GLASS DOOR L.M.I.

CONTINENTAL GLASS SYSTEMS
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TEL. (305) 231-1101

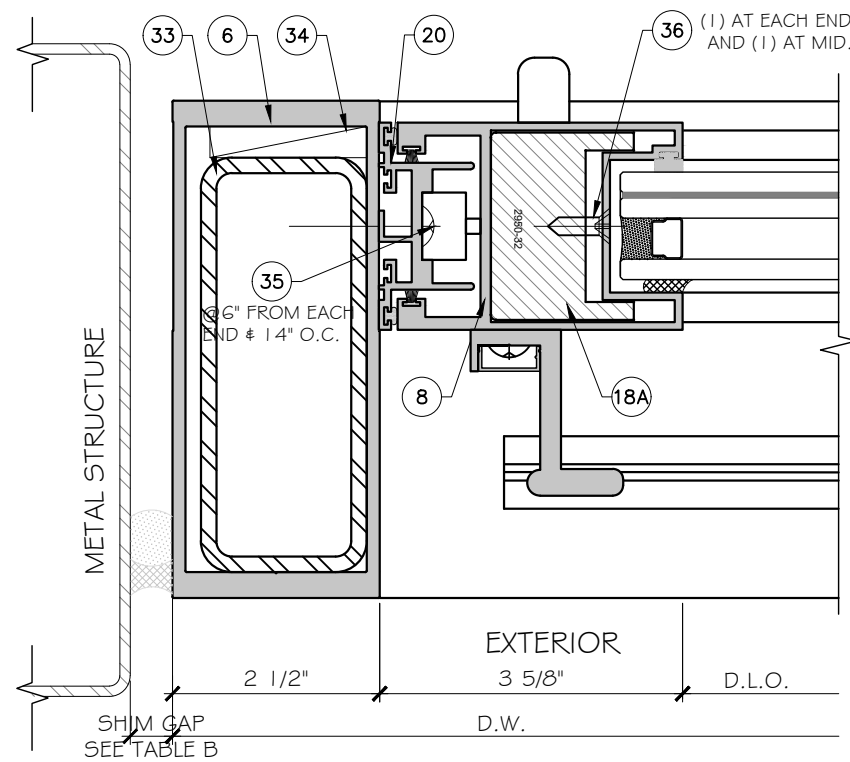
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Drawn Date: 10/14/2021 Scale:

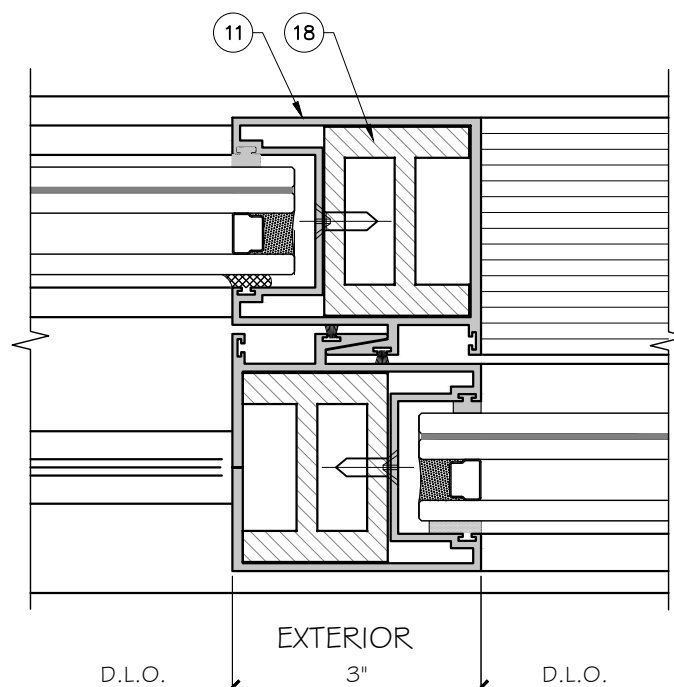
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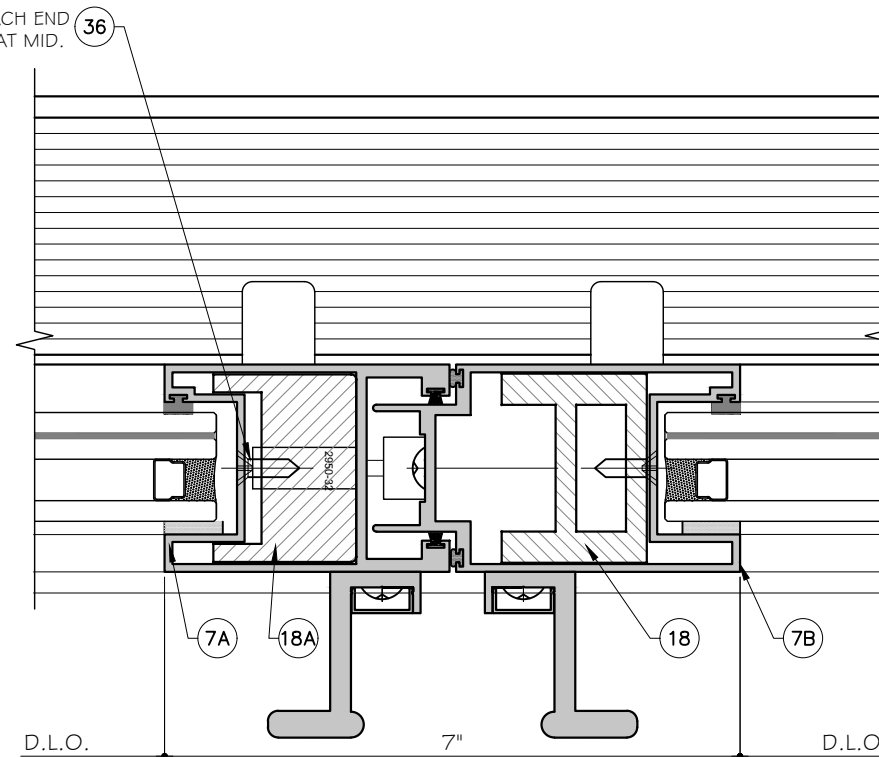
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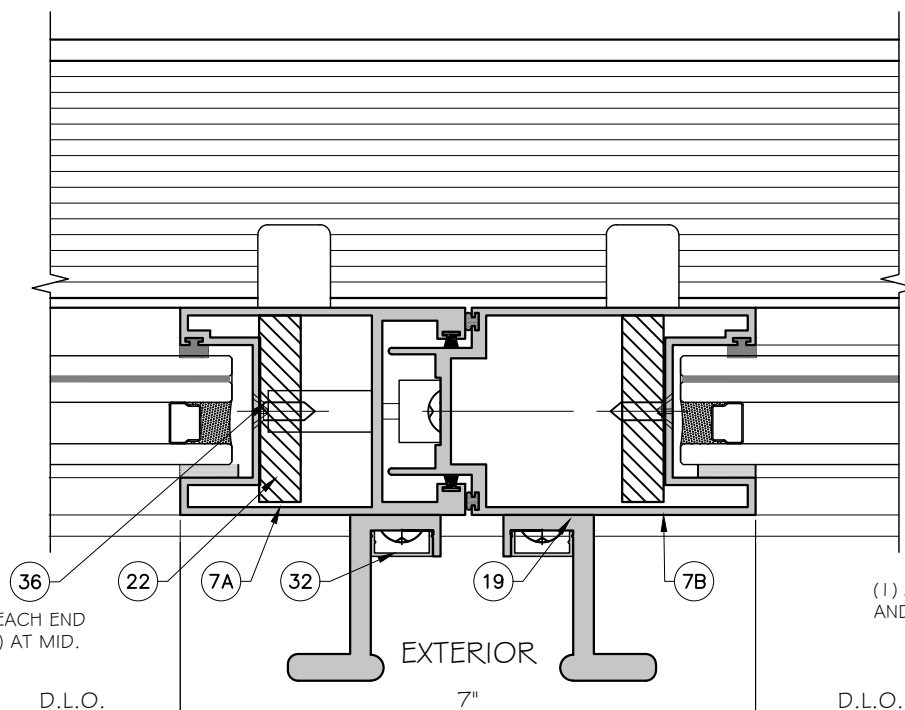
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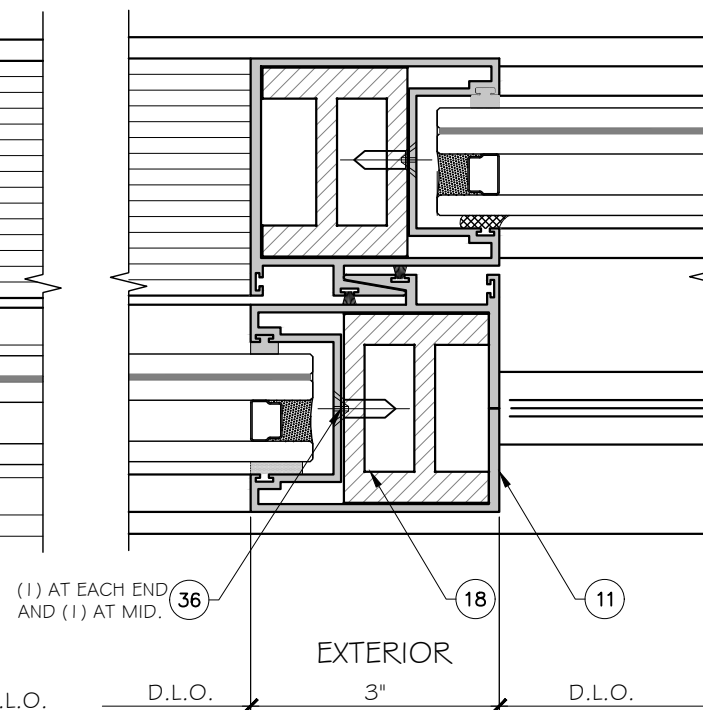
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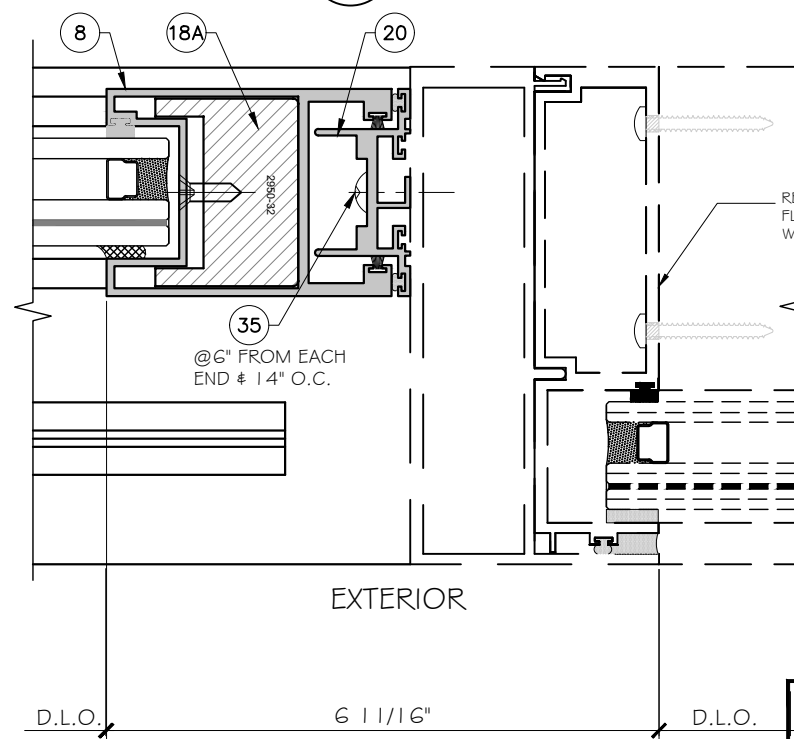
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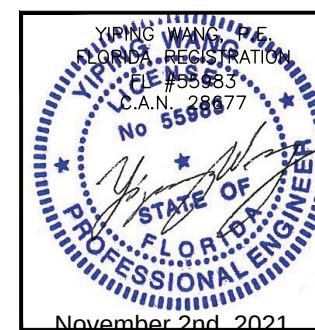


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DETAIL

MAX. FRAME HEIGHT	JAMB GAP	
	MIN.	MAX.
90"	5/16"	1-1/2"
96"	5/16"	1-1/2"
102"	5/16"	1-1/2"
108"	5/16"	1-1/2"
114"	5/16"	1-1/2"
120"	3/8"	1-1/2"
126"	3/8"	1-1/2"
128"	3/8"	1-1/2"
130"	3/8"	1-1/2"

STANDARD SGD

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CONTINENTAL GLASS SYSTEMS

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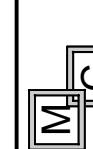
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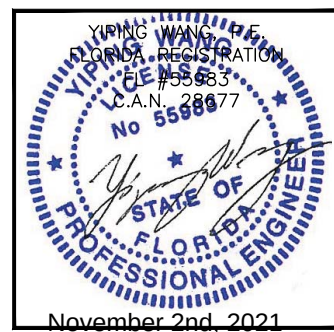
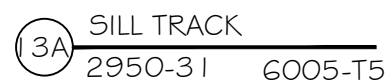
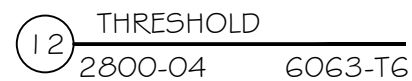
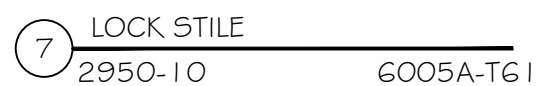
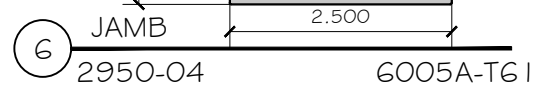
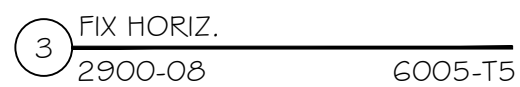
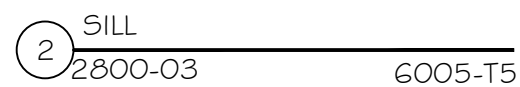
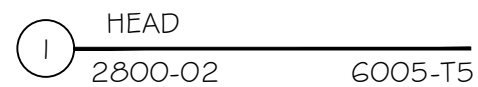
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SERIES 2850 2 TRACK LIFT AND SLIDE GLASS DOOR L.M.I..

CONTINENTAL GLASS SYSTEMS

325 WEST 74 PLACE,

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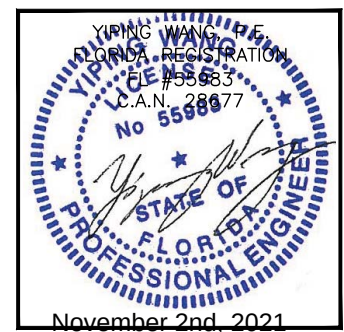
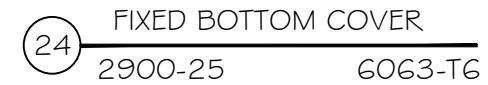
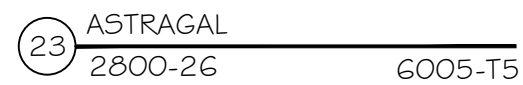
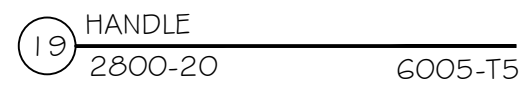
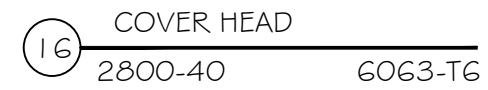
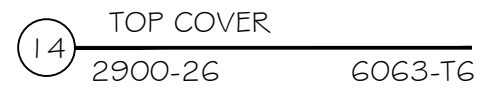
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SERIES 2850 2 TRACK LIFT AND SLIDE GLASS DOOR L.M.I.

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325 WEST 74 PLACE,

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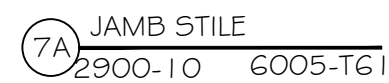
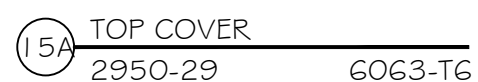
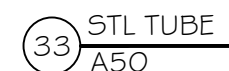
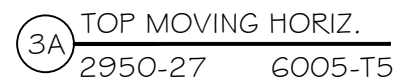
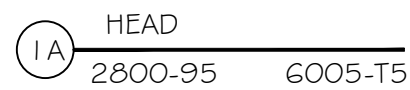
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No 55883
STATE OF FLORIDA
PROFESSIONAL ENGINEER
November 2nd, 2021

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CONTINENTAL GLASS SYSTEMS

325 WEST 74 PLACE,

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MIRAMAR, FL 33027 P: 305.271.0100

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BILL OF MATERIALS	
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ITEM #	PROFILE	DESCRIPTION	MATERIAL	MANUFACTURER/REMARKS
1	2800-02	HEAD	ALUM. 6005-T5	-
1A	2800-95	HEAD	ALUM. 6005-T5	-
2	2800-03	SILL	ALUM. 6005-T5	-
3	2900-08	TOP PANEL	ALUM. 6005-T5	-
3A	2950-27	TOP PANEL	ALUM. 6005-T5	-
4	2900-19	FIXED PANEL	ALUM. 6005-T5	-
4A	2950-28	FIXED PANEL	ALUM. 6005-T5	-
5	2950-09	MOVING PANEL	ALUM. 6005A-T6 I	-
5A	2950-26	MOVING PANEL	ALUM. 6005A-T6 I	-
6	2950-04	JAMB	ALUM. 6005A-T6 I	-
7	2950-10	LOCK STILE	ALUM. 6005A-T6 I	-
7A	2900-10	JAMB STILE	ALUM. 6005-T6 I	-
7B	2900-14	LOCK STILE (STANDARD SGD)	ALUM. 6005-T6 I	-
8	2900-14	FIXED STILE	ALUM. 6005-T5	-
9	-	-	-	-
10	-	-	-	-
11	2900-11	INTERLOCK	ALUM. 6005-T5	-
12	2800-04	THRESHOLD	ALUM. 6063-T6	-
13	2800-05	SILL TRACK	ALUM. 6005-T5	-
13A	2950-31	SILL TRACK	ALUM. 6005-T5	-
13B	2950-30	SILL TRACK	ALUM. 6005-T5	-
14	2900-26	TOP COVER	ALUM. 6063-T6	-
15	2950-25	BOTTOM COVER	ALUM. 6063-T6	-
15A	2950-29	BOTTOM COVER	ALUM. 6063-T6	-
16	2800-40	COVER HEAD	ALUM. 6063-T6	-
17	5500-09	HEAD SCREW COVER	ALUM. 6063-T6	-
18	2800-23	INTERLOCK REINFORCEMENT, FH-12	ALUM. 6005-T5	-
18A	2950-32	INTERLOCK REINFORCEMENT, FH-12	ALUM. 6005-T5	-
19	2800-20	HANDLE	ALUM. 6005-T5	-
20	2900-06	FIXED JAMB ADAPTOR	ALUM. 6063-T6	-
21	2800-21	LOCK JAMB ADAPTOR	ALUM. 6005-T5	-
22	-	1/2" x 2 1/4" MEETING STILE REINFORCEMENT	ALUM. 6005-T5	-
23	2800-26	ASTRAGAL	ALUM. 6005-T5	-
24	2900-25	REINFORCEMENT	ALUM. 6063-T6	-
25	-	1/4" X 3/4" X 4" SETTING BLOCK	SILICONE	-
26	-	DOW CORNING DC790 CONT. PERIMETER SEALANT AND BACKER ROD	SILICONE	DOW CORNING
27	-	GASKET	POLYPROPYLENE / SANTOPRENE	ULTRA FAB
28	-	FIN-SEAL O. 1.87" X 0.250" HT	-	ULTRA FAB
29	-	DOW CORNING STRUCTURAL SEALANT DC983 OR DC795	SILICONE	DOW CORNING
30	-	BULB GASKET #202	-	ULTRA FAB
31	-	#14 P.H. S.S. SMS. 1" LONG	STAINLESS STEEL	-
32	-	#14 P.H. S.S. SMS. AT 4" FROM END ± 25" O.C. MAX.	STAINLESS STEEL	-
33	-	STEEL TUBE 2" X 5" X 3/16"	STAINLESS STEEL	-
34	-	PLASTIC SHIM	PVC	-
35	-	#12 P.H. SS SMS	S/S	-
36	-	#12 F.H. SS SMS, 3/4" LONG	S/S	-

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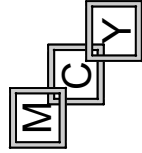
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SERIES 2850 2 TRACK LIFT AND SLIDE GLASS DOOR L.M.I.

CONTINENTAL GLASS SYSTEMS

325 WEST 74 PLACE.

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AD21-33

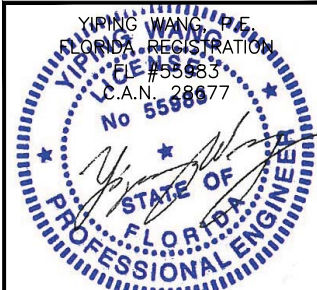
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FLORIDA APPROVAL:

FL#21079.2



November 2nd 2021