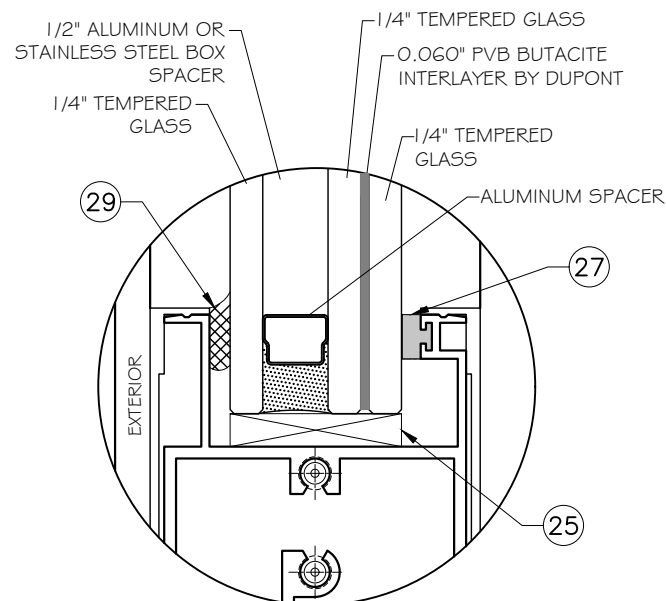
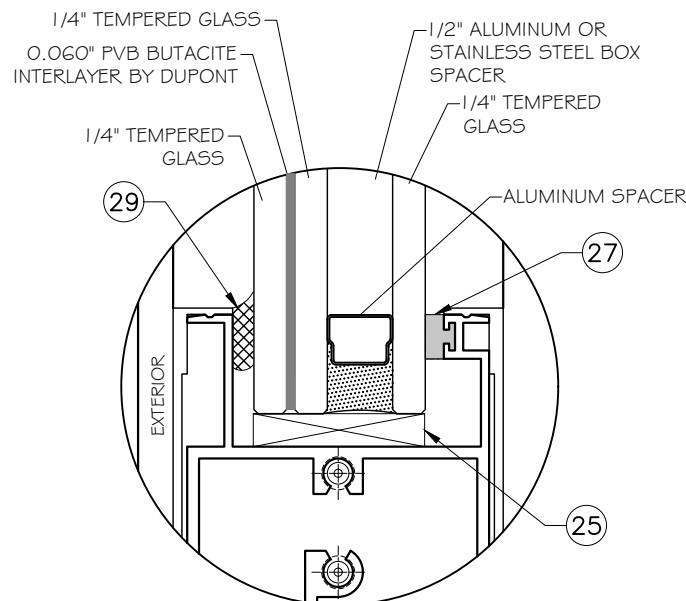


# CONTINENTAL GLASS SYSTEMS

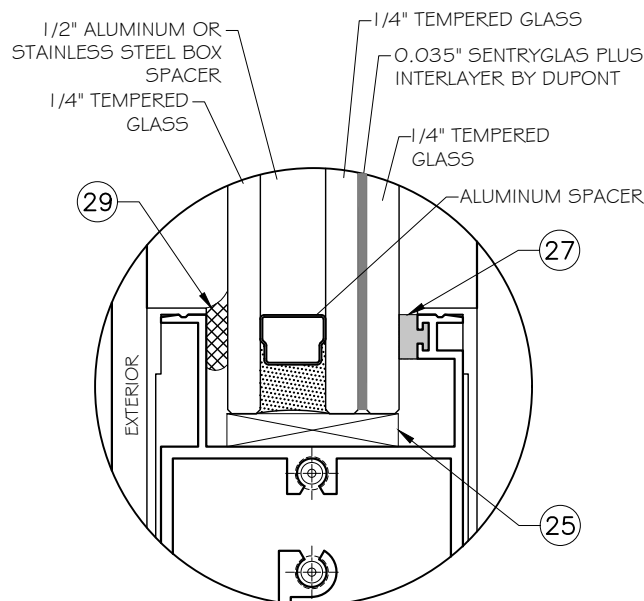
## 2850 SERIES 2 TRACK LIFT AND SLIDE GLASS DOOR (SMI)



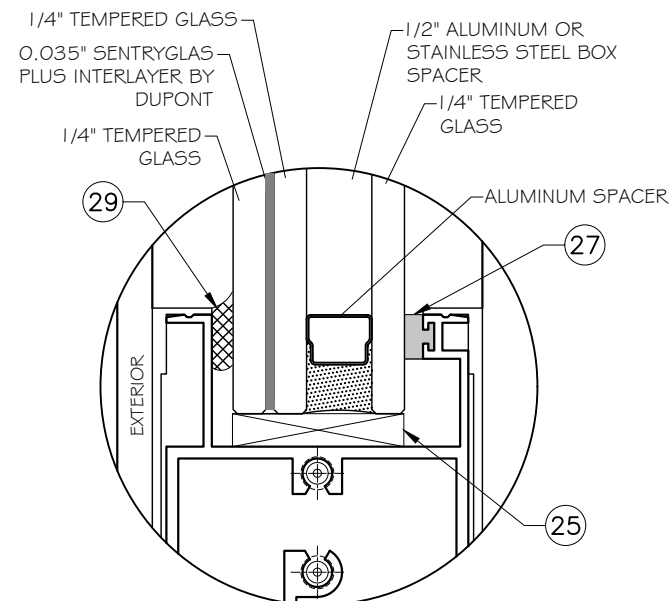
GLASS TYPE "G2"  
1/2" 5/16" INSULATED LAMINATED GLASS  
LAMINATED ON INTERIOR SIDE



GLASS TYPE "G2A"  
1/2" 5/16" INSULATED LAMINATED GLASS  
LAMINATED ON EXTERIOR SIDE



GLASS TYPE "G3"  
1/2" 5/16" INSULATED LAMINATED GLASS  
LAMINATED ON INTERIOR SIDE



GLASS TYPE "G3A"  
1/2" 5/16" INSULATED LAMINATED GLASS  
LAMINATED ON EXTERIOR SIDE

### 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 SMALL MISSILE IMPACT ONLY. IMPACT SHUTTERS ARE NOT REQUIRED FOR ELEVATIONS 30'-0" ABOVE GRADE OR HIGHER. IMPACT SHUTTERS ARE REQUIRED FOR ELEVATIONS LOWER THAN 30'-0" 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.

### NOTE:

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

### INSTRUCTIONS:

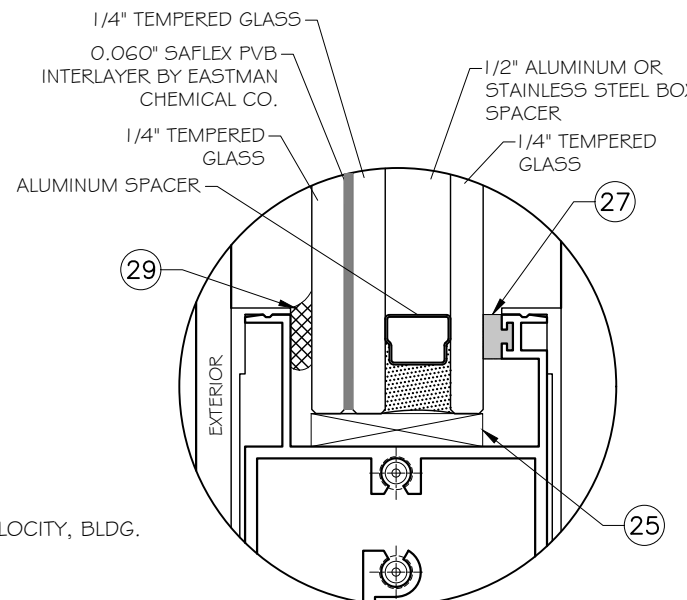
USE CHARTS AS FOLLOWS.

**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

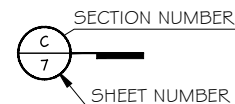
**STEP 4:** THE LOWEST VALUE RESULTING FROM STEPS 2 & 3 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THRU STEP 1 SHALL APPLY TO ENTIRE SYSTEM. WHEN USE SYSTEM WITH DOOR, THE LOWER VALUE OF THE DESIGN PRESSURE RATING FOR THE SYSTEM AND THE DOOR SHALL APPLY.



GLASS TYPE "G4A"  
1/2" 5/16" INSULATED LAMINATED GLASS  
LAMINATED ON EXTERIOR SIDE

### ABBREVIATIONS AND SYMBOLS

|                          |                     |
|--------------------------|---------------------|
| D.L.O. - DAYLITE OPENING | P.H. - PANEL HEIGHT |
| F.H. - FRAME HEIGHT      | P.W. - PANEL WIDTH  |
| F.W. - FRAME WIDTH       |                     |
| W/ - WITH                |                     |
| W/O - WITHOUT            |                     |
| O.C. - ON CENTER         |                     |
| G.B. - GLASS BITE        |                     |

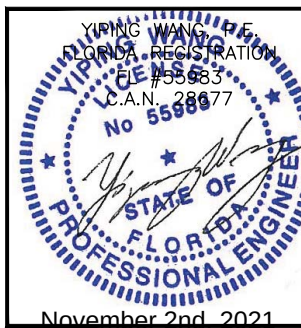


### LIMITATIONS OF USE

- 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#21079.1



SERIES 2850 2 TRACK LIFT AND SLIDE GLASS DOOR S.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

Drawn Date 10/14/2021

Scale

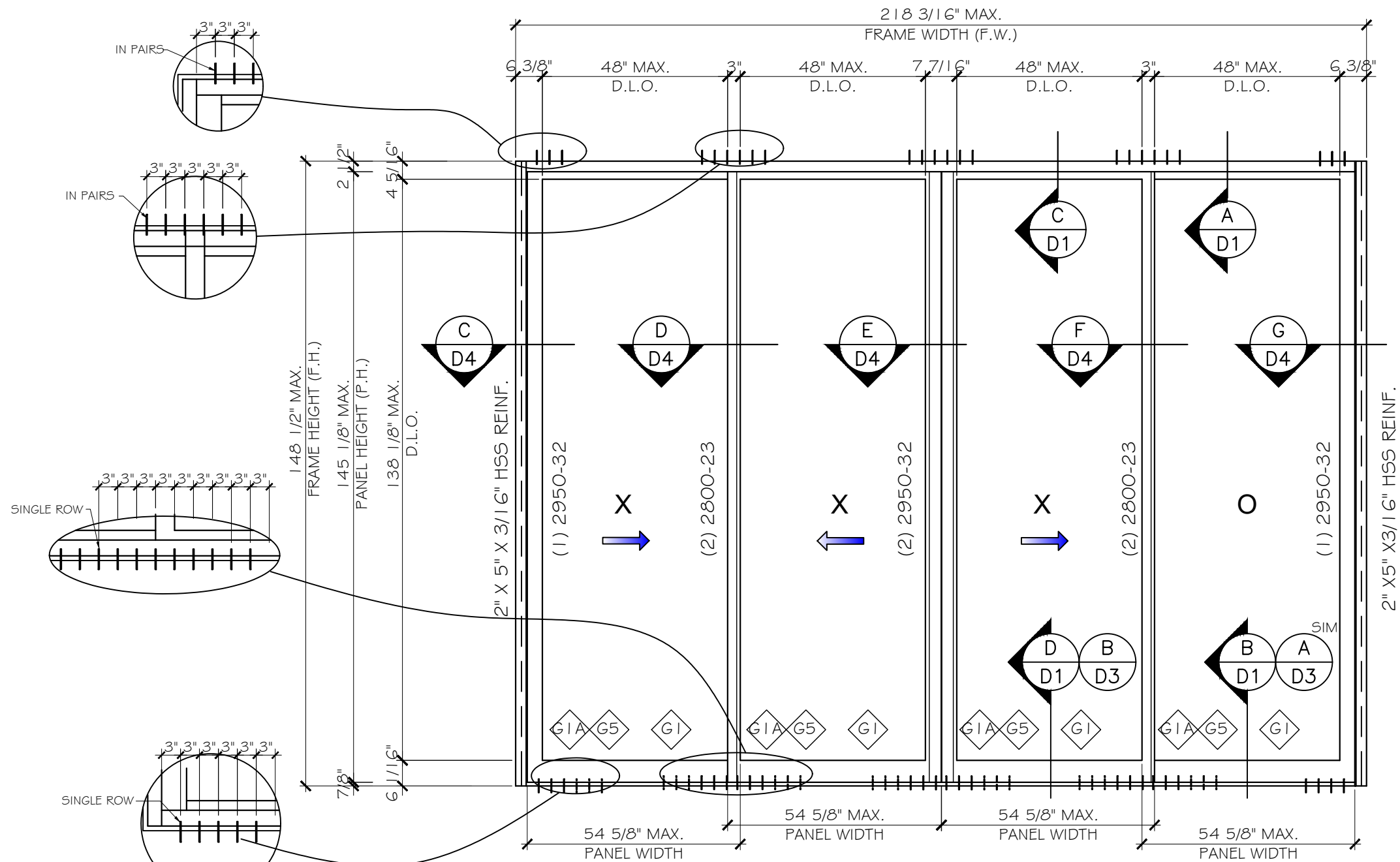
DRAWING NO.

AD21-34

CI

Sheet No.

1 OF 20



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

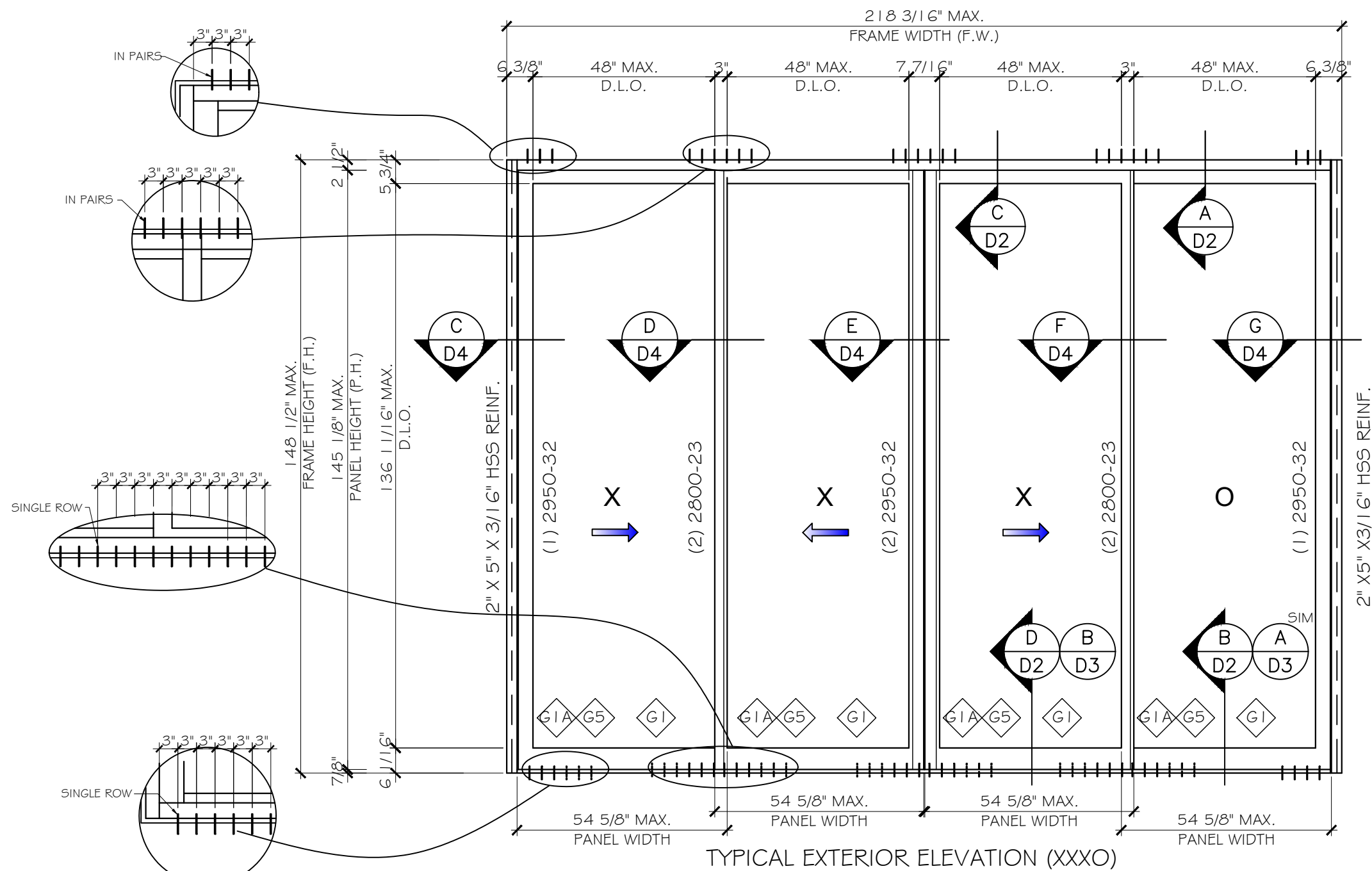
| DESIGN LOAD CAPACITY - PSF |              |            |             |
|----------------------------|--------------|------------|-------------|
| NOM. PANEL WIDTH           | FRAME HEIGHT | GLASS TYPE | DESIGN LOAD |
| INCH                       | INCH         |            | PSF         |
| 54.5                       | 148.5        | G3,G4A     | 162         |
| 50.5                       | 148.5        | G2,G2A,G3A | 162         |
| 54.5                       | 137          |            | 162         |
| 54.5                       | 132          | G2,G2A,G3A | 162         |
| 54.5                       | 148.5        |            | 110         |

SEE SHEET E7 FOR  
ADDITIONAL QUALIFIED  
CONFIGURATIONS

FLORIDA APPROVAL:  
FL#21079.1

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

LIFT & SLIDE



SEE SHEET E7 FOR  
ADDITIONAL QUALIFIED  
CONFIGURATIONS

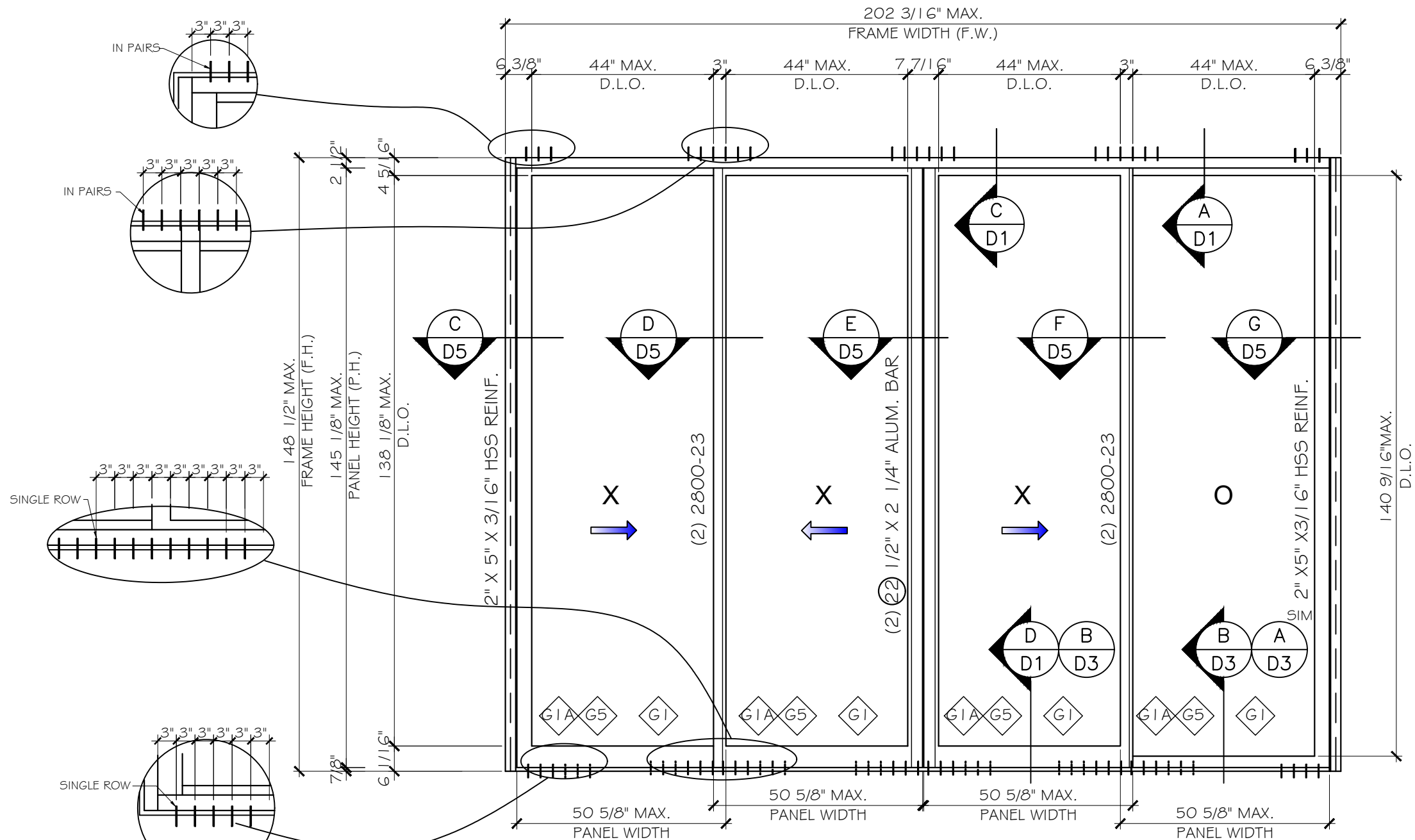
SEE ANCHOR OPTION & ANCHOR CHART ON SHEET A1 & A2

| DESIGN LOAD CAPACITY - PSF |              |            |             |
|----------------------------|--------------|------------|-------------|
| NOM. PANEL WIDTH           | FRAME HEIGHT | GLASS TYPE | DESIGN LOAD |
| INCH                       | INCH         |            | PSF         |
| 54.5                       | 148.5        | G3,G4A     | 162         |
| 50.5                       | 148.5        | G2,G2A,G3A | 162         |
| 54.5                       | 137          |            | 162         |
| 54.5                       | 132          |            | 162         |
| 54.5                       | 148.5        | G2,G2A,G3A | 110         |

FLORIDA APPROVAL:  
FL#21079.1

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

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



SEE SHEET E7 FOR  
ADDITIONAL QUALIFIED  
CONFIGURATIONS

TYPICAL EXTERIOR ELEVATION (XXXO)  
SEE ANCHOR OPTION & ANCHOR CHART ON SHEET A1 & A2  
MAX. ALLOWABLE DESIGN LOAD FOR  
SIZE SHOWN OR SMALLER: ± 162 PSF

LIFT & SLIDE

FLORIDA APPROVAL:  
FL#21079.1

Professional Engineer Seal for YIPING WANG, License No. 55988, State of Florida. The seal includes the text 'YIPING WANG', 'PROFESSIONAL ENGINEER', 'FLORIDA', 'LICENSE NO. 55988', and 'STATE OF FLORIDA'. The date 'November 2nd, 2021' is stamped across the seal.

**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 S.M.I.  
**CONTINENTAL GLASS SYSTEMS**  
325 WEST 74 PLACE,  
HIALEAH, FL 33014  
TEL. (305) 231-1101

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

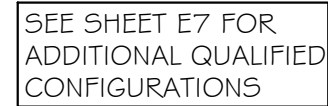
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Scale:

DRAWING NO.  
AD21-34

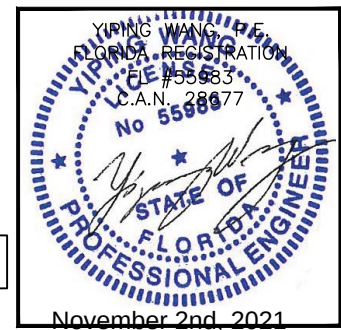
Sheet No.  
4 OF 20

E3



STANDARD SGD

FLORIDA APPROVAL:  
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[illegible]

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

## CONTINENTAL GLASS SYSTEMS

325 WEST 74 PLACE,

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TEL. (305) 231-1101



**MCY ENGINEERING, INC.**

## ENGINEERING, GLAZING CONSULTANTS

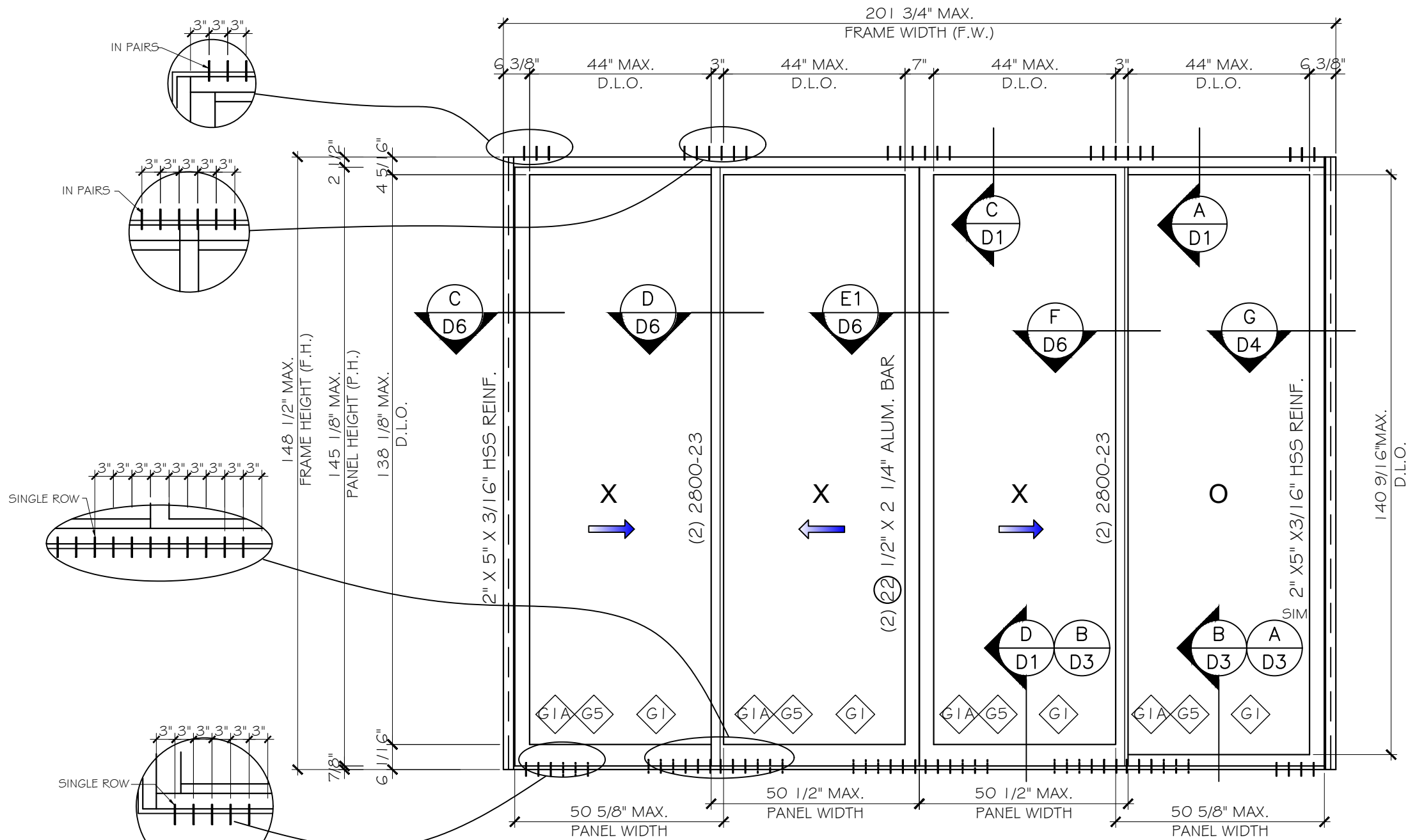
12781 MIRAMAR PKWY.STE.301

MIRAMAR, FL 33027

[mcy@mcyengineering.com](mailto:mcy@mcyengineering.com)

www.MCYEngineering.com





TYPICAL EXTERIOR ELEVATION (XXXO)  
SEE ANCHOR OPTION & ANCHOR CHART ON SHEET A1 & A2  
MAX. ALLOWABLE DESIGN LOAD FOR  
SIZE SHOWN OR SMALLER: ± 162 PSF

SEE SHEET E7 FOR  
ADDITIONAL QUALIFIED  
CONFIGURATIONS

STANDARD SGD

FLORIDA APPROVAL:  
FL#21079.1

Professional Engineer Seal for YIPING WANG, State of Florida, License No. 55988, dated November 2nd, 2021.

MCY ENGINEERING, INC.  
GLAZING CONSULTANTS

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MIRAMAR, FL 33027  
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| 1.       | 10/14/2021 | James    |          |             |

Drawn Date: 10/14/2021

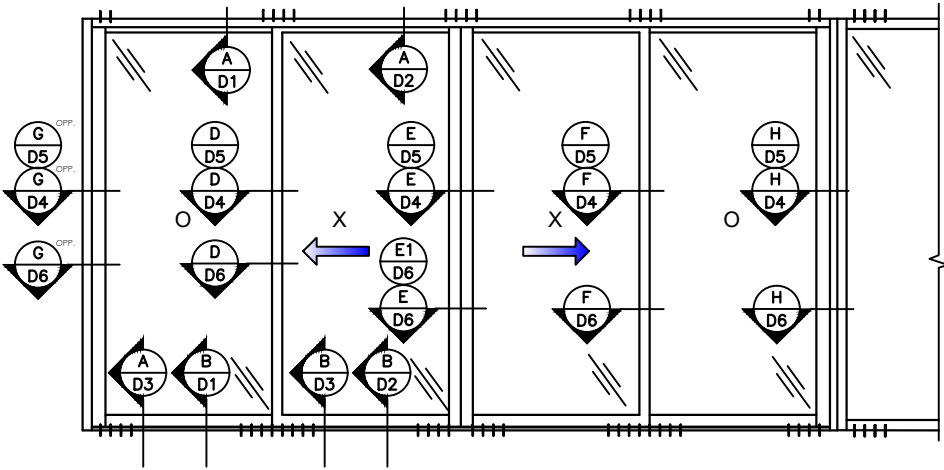
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AD21-34

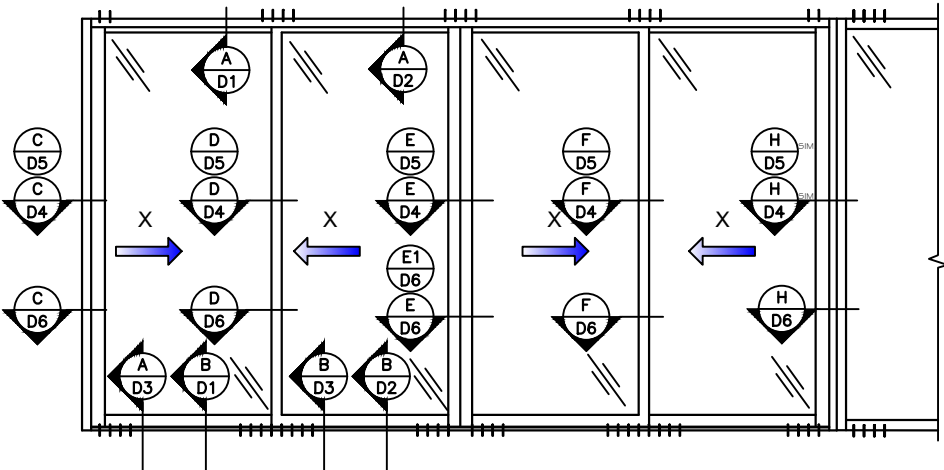
Sheet No.  
7 OF 20

TYPICAL SGD OPTIONAL CONFIGURATIONS

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

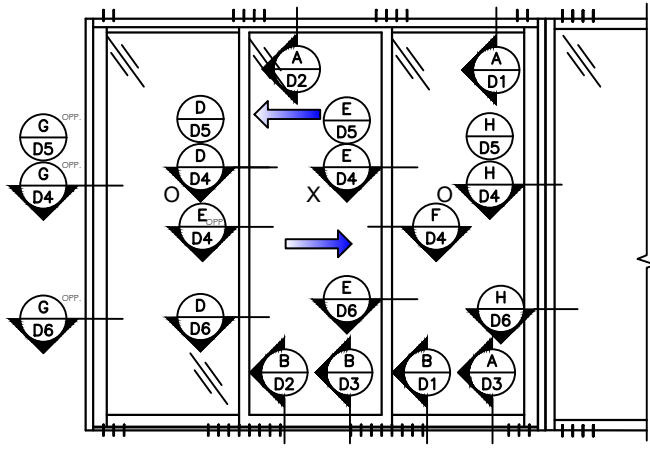


(4) PANELS SGD OXXO

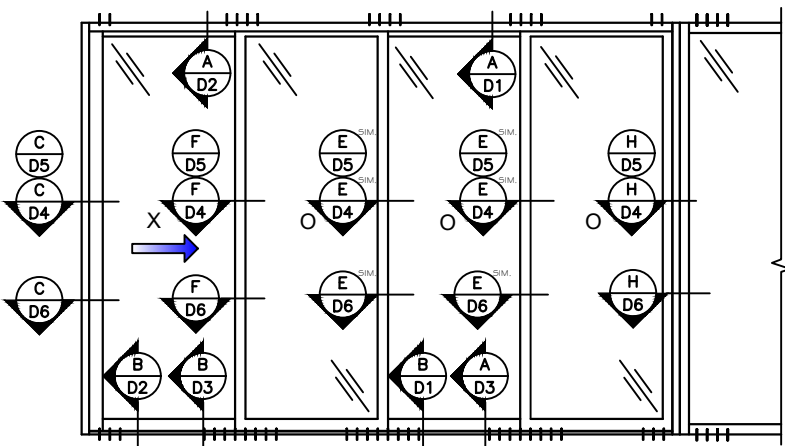


(4) PANELS SGD XXXX

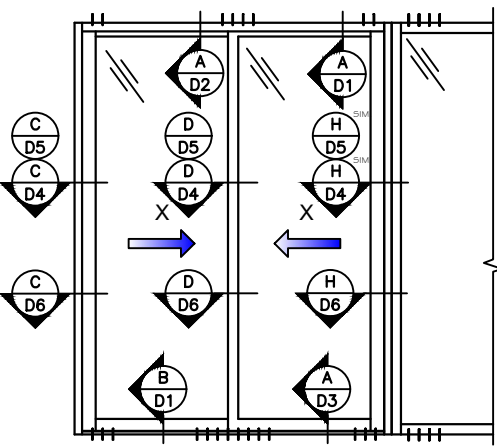
NO WATER RESISTANCE



(3) PANELS SGD OXO

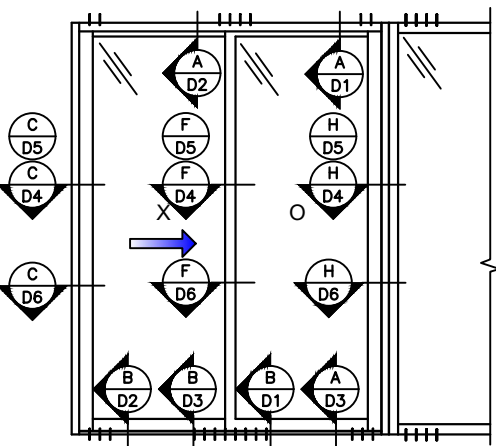


(4) PANELS SGD XOO

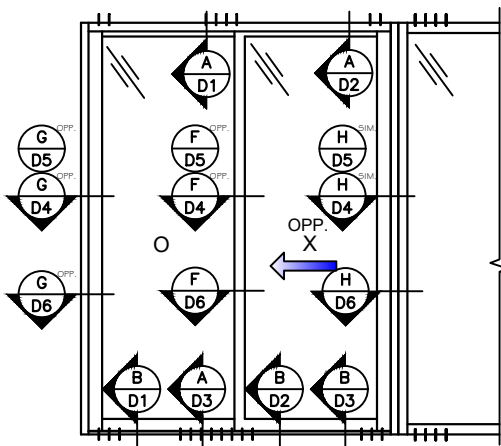


(2) PANELS SGD XX

NO WATER RESISTANCE

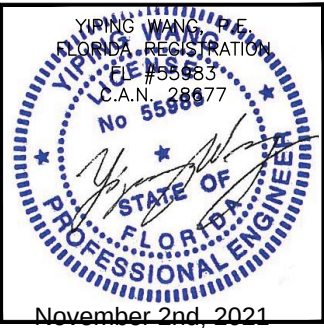


(2) PANELS SGD XO



(2) PANELS SGD OX

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

CONTINENTAL GLASS SYSTEMS

325 WEST 74 PLACE,

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mcy@mcyengineering.com

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DRAWING NO. AD21-34

E7

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)

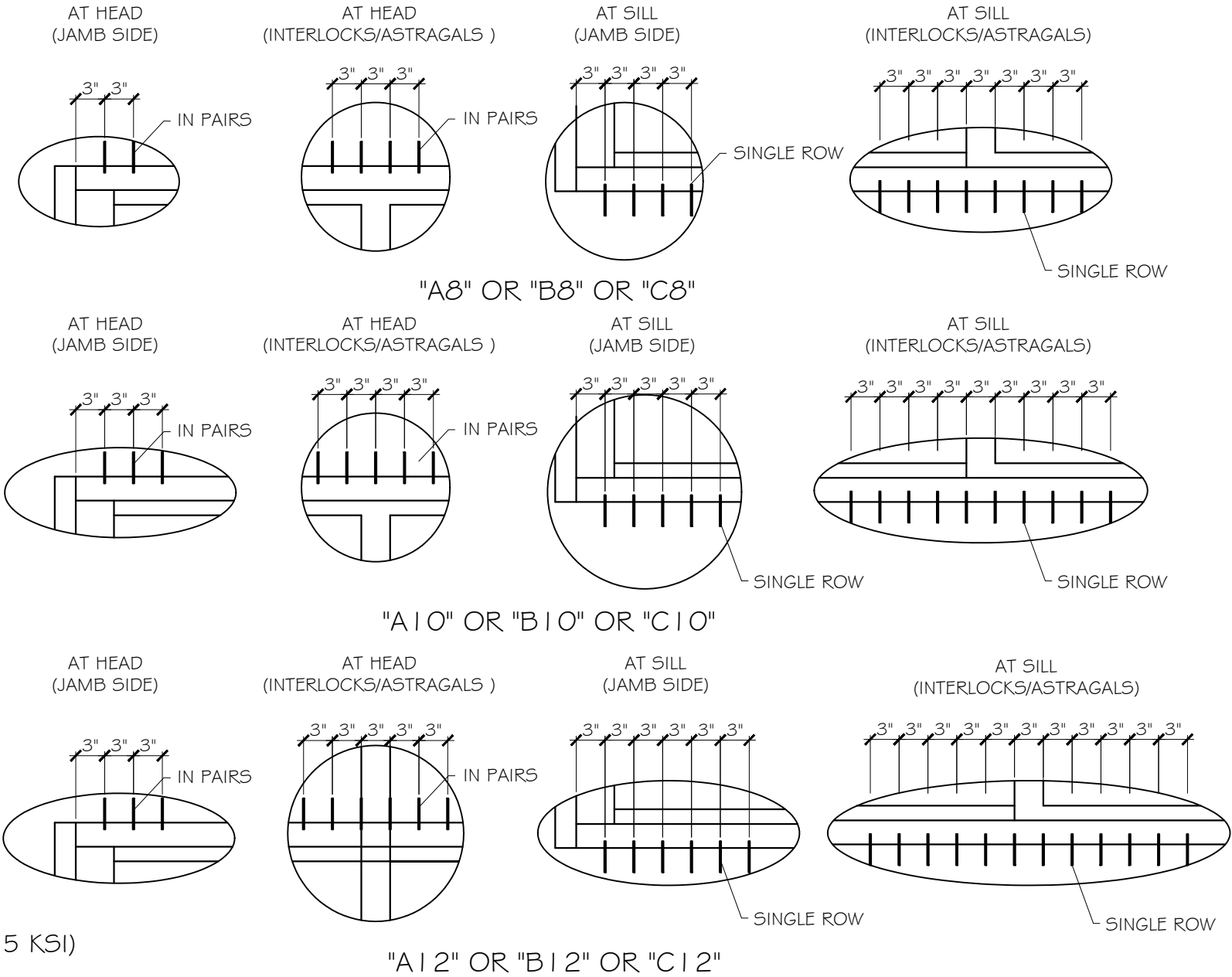
-TYPICAL ANCHORS: (SEE ELEVATIONS FOR SPACING)

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

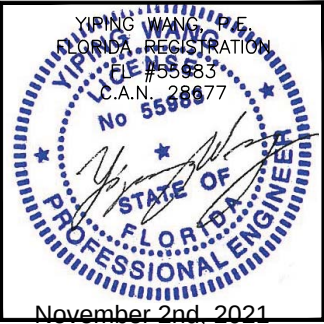
TYPE 'B' -- 5/16" DIA. SELF DRILLING SCREWS (GRADE 5 CRS)(Fu= 120 KSI, Fy=92 KSI)  
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS  
 OR INTO ALUM. STRUCTURES  
 1/8" THK. MIN. (6063-T5 MIN.)  
 MIN. THREE THREADS PENETRATION BEYOND METAL WALL.

TYPE 'C' -- 5/16" DIA. SELF DRILLING SCREWS (GRADE 5 CRS) (F<sub>u</sub>=120 KSI, F<sub>y</sub>=92 KSI)  
INTO STEEL STRUCTURE: 1/8" MIN. (F<sub>y</sub>=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.

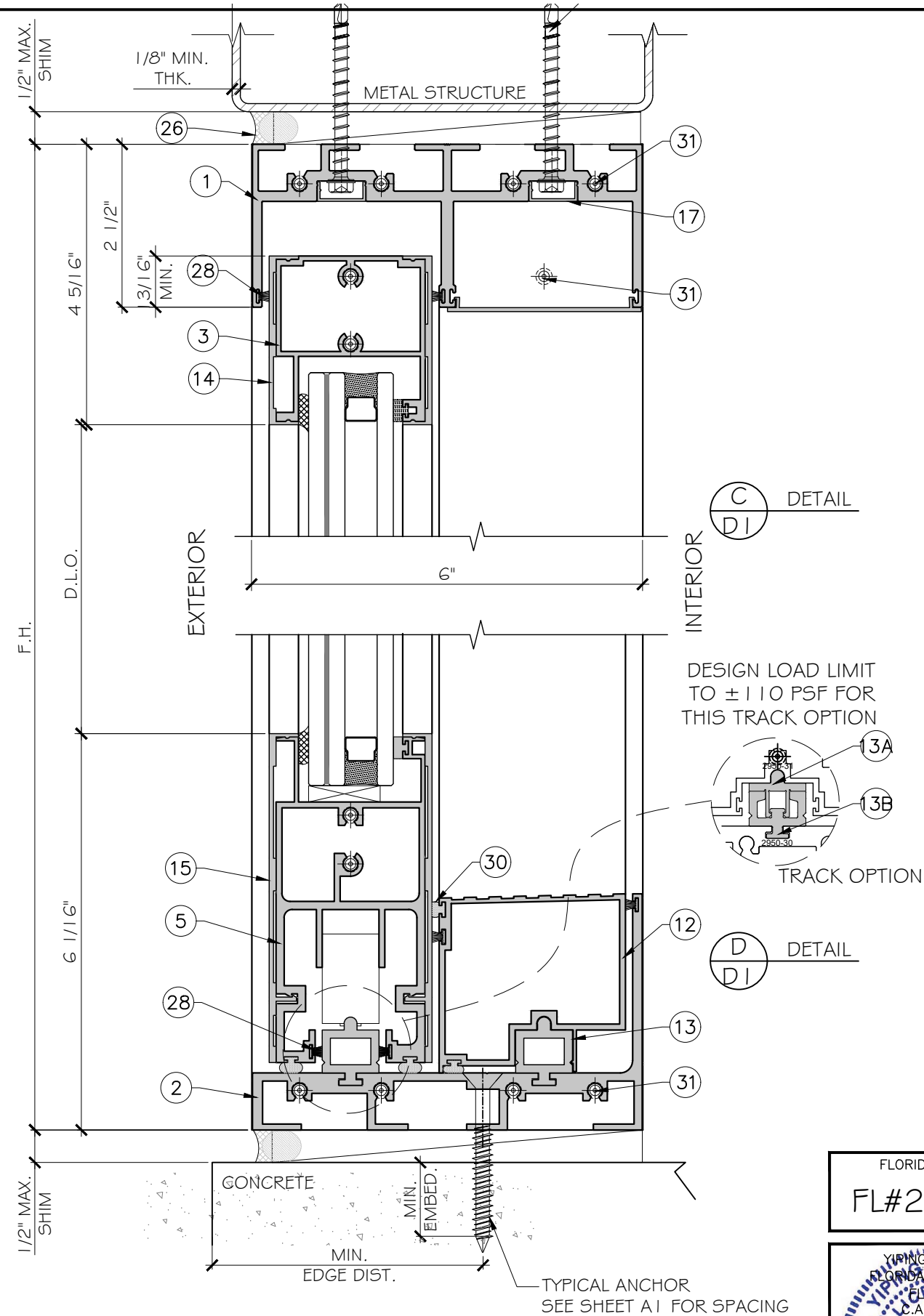
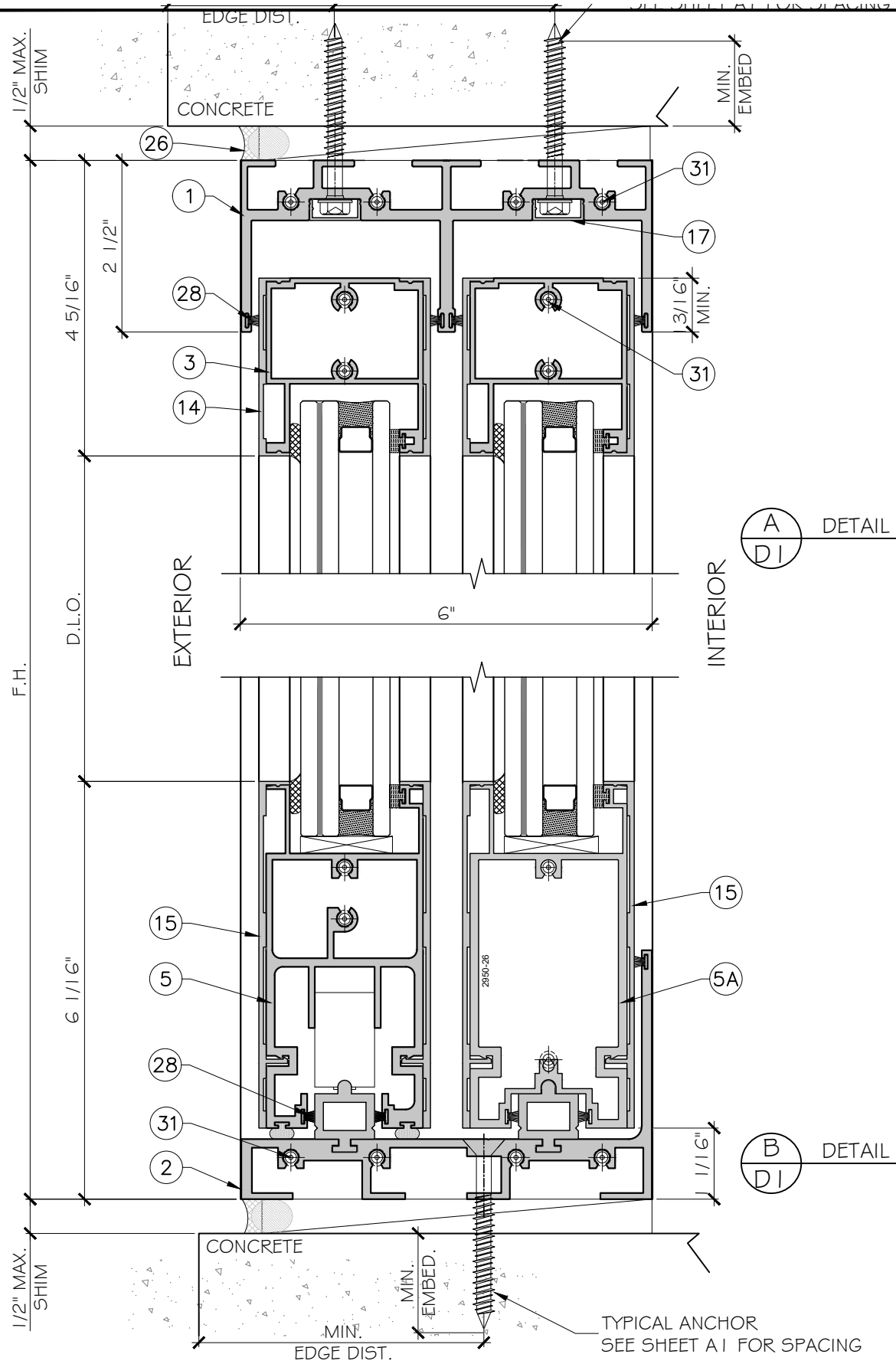


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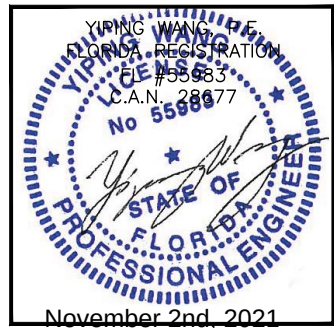


|                                                                                                                                                                                                                                                                                                                                                          |  |       |  |                                                                    |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------|--|--------------------------------------------------------------------|--|--|--|--|--|
|  <b>MCY ENGINEERING, INC.</b><br>GLAZING CONSULTANTS<br>12781 MIRAMAR PKWY. STE. 301<br>MIRAMAR, FL 33027<br>P: 305.271.0117<br><a href="http://www.MCYEngineering.com">www.MCYEngineering.com</a> <a href="mailto:mcy@mcyengineering.com">mcy@mcyengineering.com</a> |  |       |  |                                                                    |  |  |  |  |  |
| SERIES 2850 2 TRACK LIFT AND SLIDE GLASS DOOR S.M.I.<br><br><b>CONTINENTAL GLASS SYSTEMS</b><br>325 WEST 74 PLACE,<br>HIALEAH, FL 33014<br>TEL. (305) 231-1101                                                                                                                                                                                           |  |       |  |                                                                    |  |  |  |  |  |
| Drawn Date<br>10/14/2021                                                                                                                                                                                                                                                                                                                                 |  | Scale |  | 1. 10/14/2021 James<br>Rev. No.    Date    Drawn By    Description |  |  |  |  |  |
| DRAWING NO.                                                                                                                                                                                                                                                                                                                                              |  |       |  |                                                                    |  |  |  |  |  |
| AD21-34                                                                                                                                                                                                                                                                                                                                                  |  |       |  |                                                                    |  |  |  |  |  |
| A1                                                                                                                                                                                                                                                                                                                                                       |  |       |  |                                                                    |  |  |  |  |  |
| Sheet No.                                                                                                                                                                                                                                                                                                                                                |  |       |  |                                                                    |  |  |  |  |  |
| 9 OF 20                                                                                                                                                                                                                                                                                                                                                  |  |       |  |                                                                    |  |  |  |  |  |

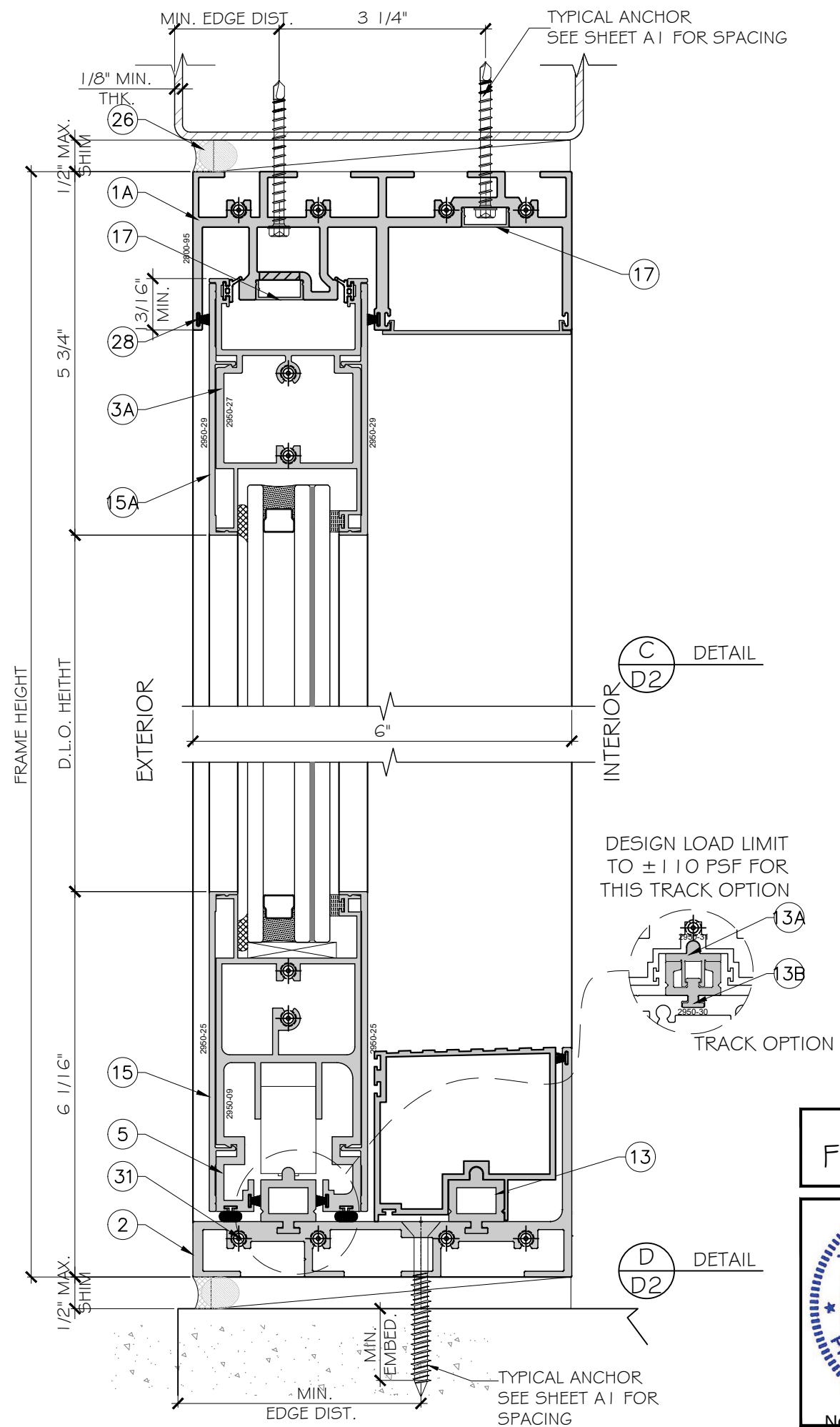




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FL#21079.1



|                                                                                                                                                                                             |            |          |                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|----------------------|
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| <p>SERIES 2850 2 TRACK LIFT AND SLIDE GLASS DOOR S.M.I.</p> <p><b>CONTINENTAL GLASS SYSTEMS</b></p> <p>325 WEST 74 PLACE,<br/>HIALEAH, FL 33014<br/>TEL. (305) 231-1101</p>                 |            |          |                      |
| Rev. No.                                                                                                                                                                                    | Date       | Drawn By | REVISION Description |
| 1.                                                                                                                                                                                          | 10/14/2021 | James    |                      |
| Drawn Date                                                                                                                                                                                  | 10/14/2021 | Scale    |                      |
| DRAWING NO.                                                                                                                                                                                 |            |          |                      |
| AD21-34                                                                                                                                                                                     |            |          |                      |
| DI                                                                                                                                                                                          |            |          |                      |
| Sheet No.                                                                                                                                                                                   |            |          |                      |
| 11 OF 20                                                                                                                                                                                    |            |          |                      |



YIPING WANG  
FLORIDA REGISTRATION  
FL #55683  
C.A.N. 28877

No 55683

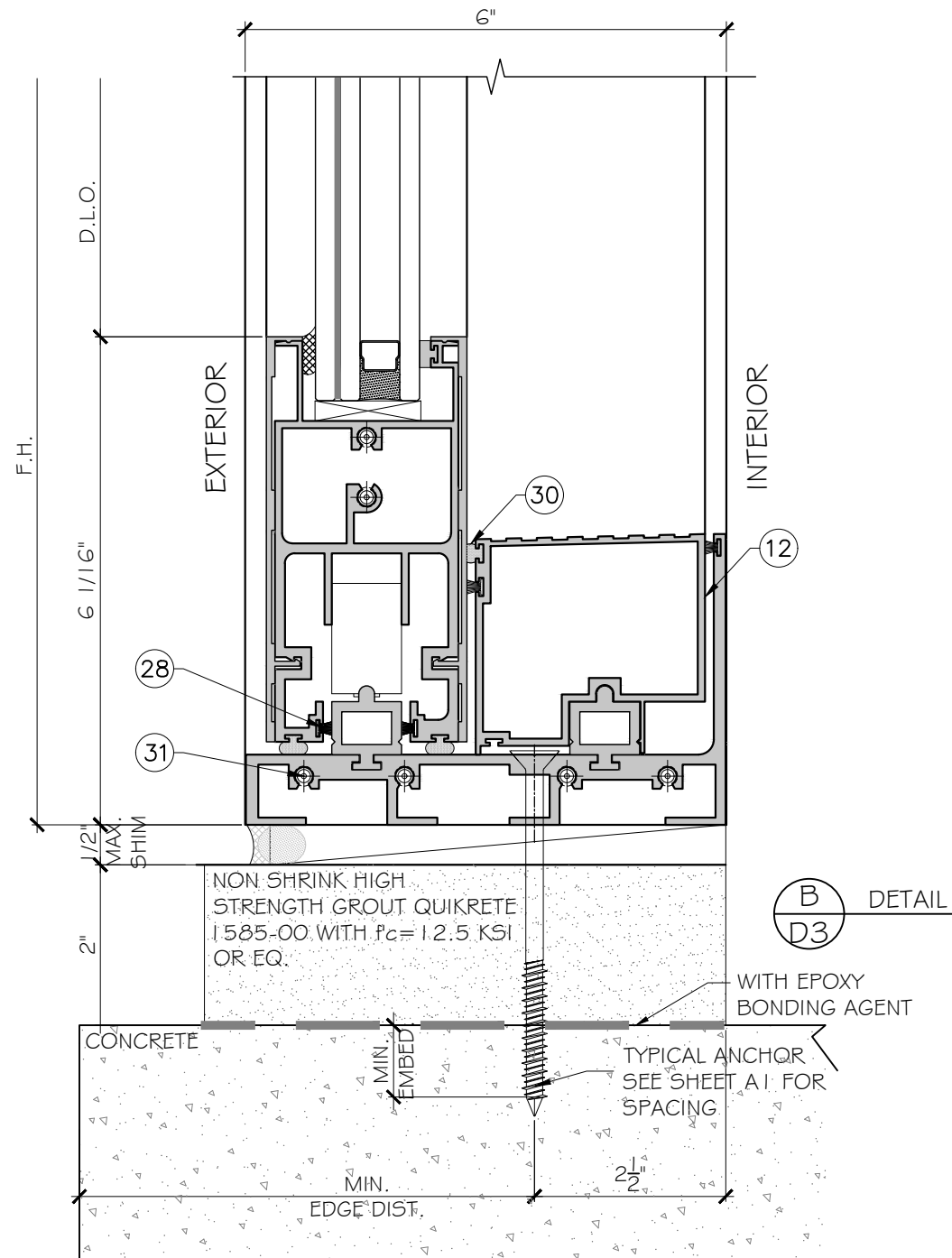
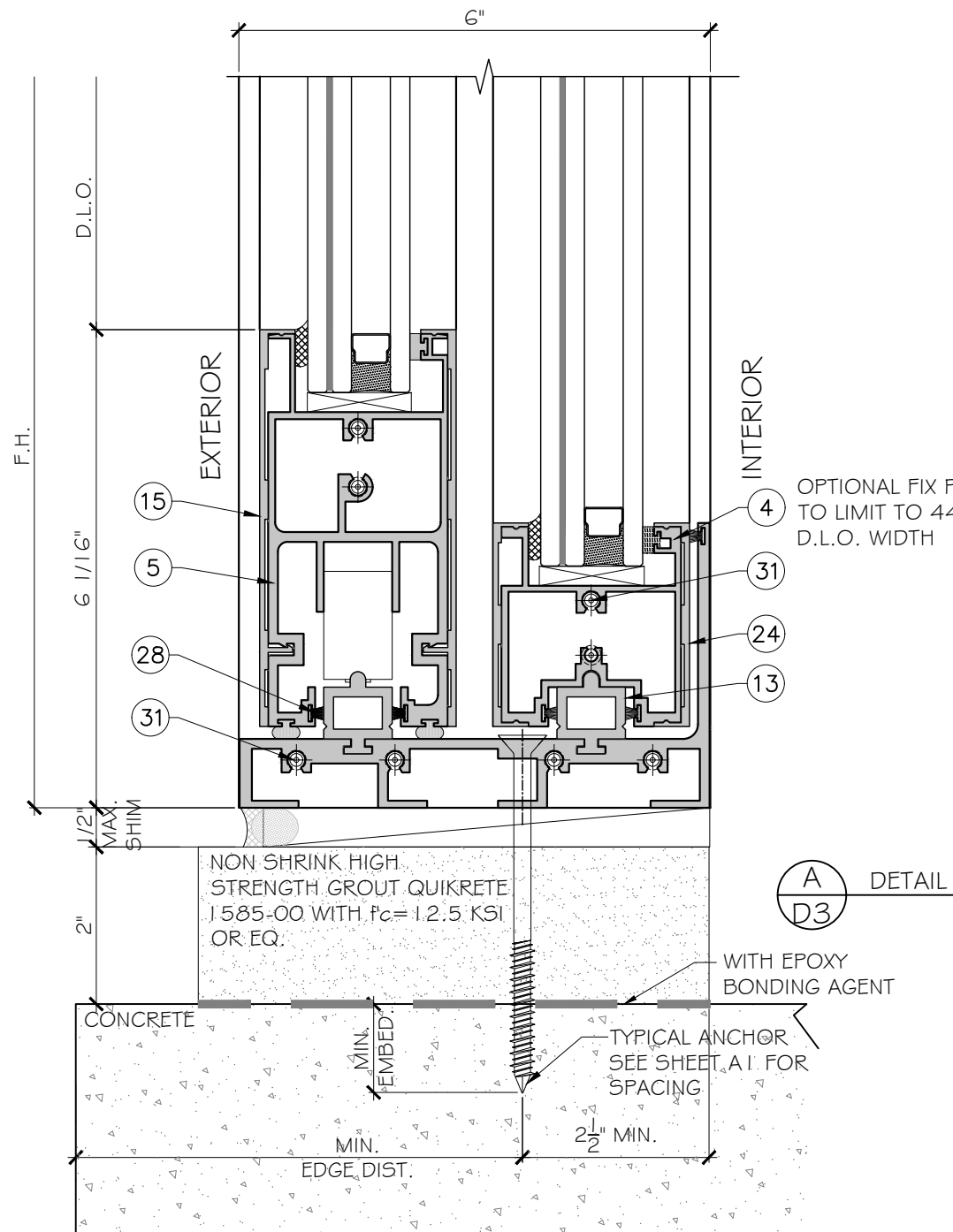
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER

November 2nd, 2021

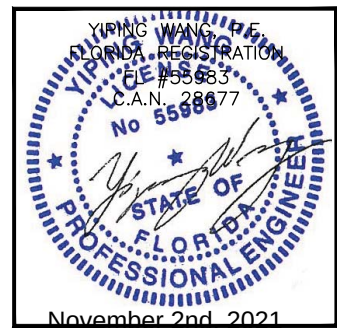
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|                                                             |                                                                                                       |                                                                                                                                                                                                      |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>SERIES 2850 2 TRACK LIFT AND SLIDE GLASS DOOR S.M.I.</p> | <p>CONTINENTAL GLASS SYSTEMS<br/>325 WEST 74 PLACE,<br/>HIALEAH, FL 33014<br/>TEL. (305) 231-1101</p> | <p><b>MCY ENGINEERING, INC.</b><br/>GLAZING CONSULTANTS</p> <p>12781 MIRAMAR PKWY. STE. 301<br/>MIRAMAR, FL 33027 P: 305.271.0101</p> <p><b>www.MCYEngineering.com</b>    mcy@mcyengineering.com</p> |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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FLORIDA APPROVAL:  
FL#21079.1



SERIES 2850 2 TRACK LIFT AND SLIDE GLASS DOOR S.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

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

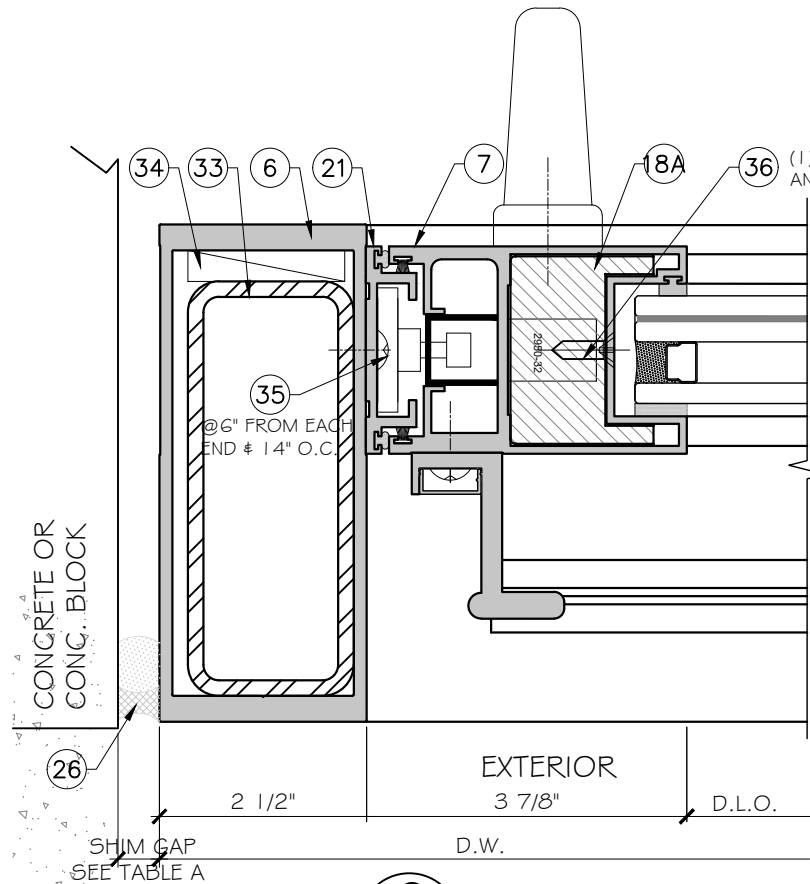
Drawn Date 10/14/2021

Scale

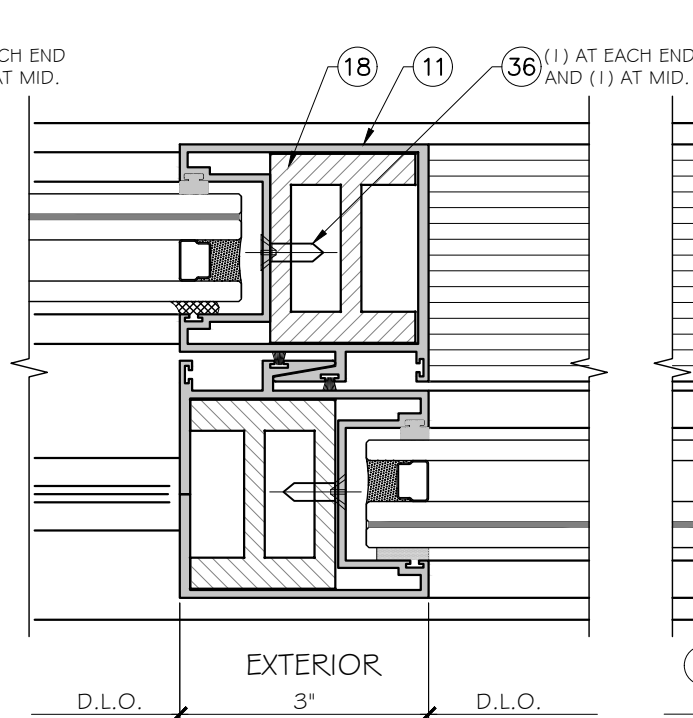
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AD21-34

D3

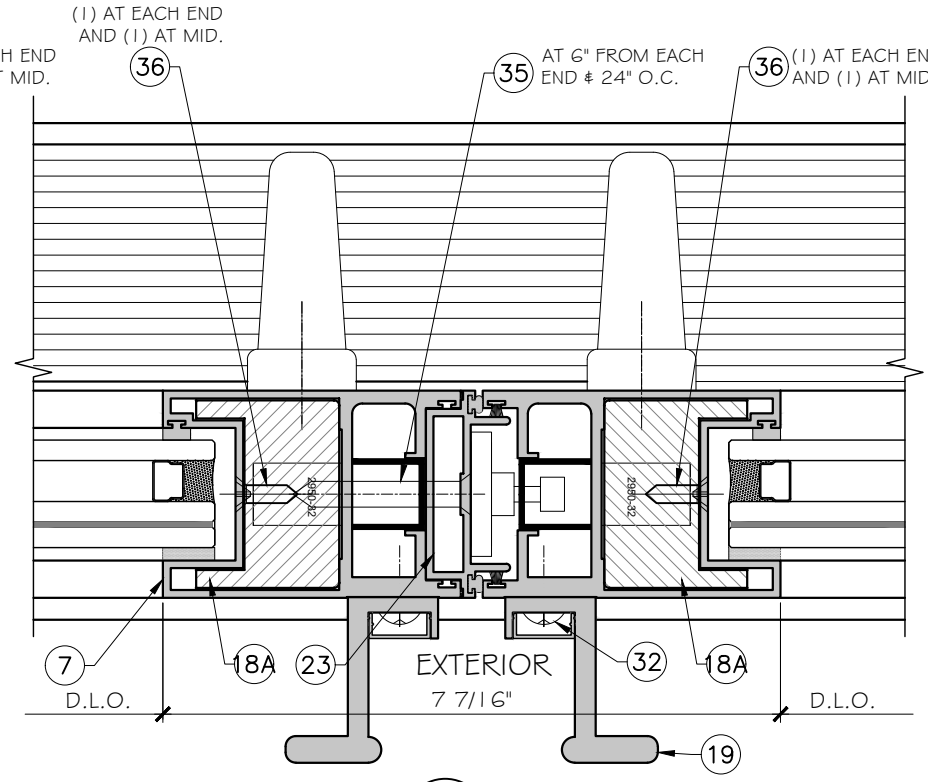
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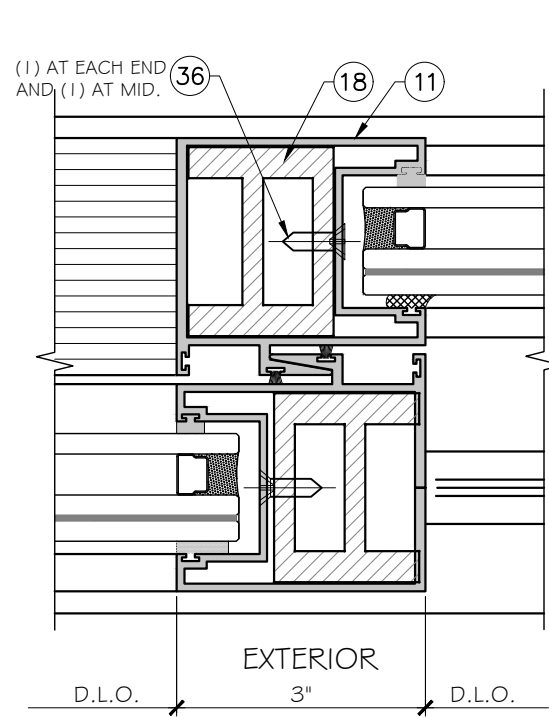
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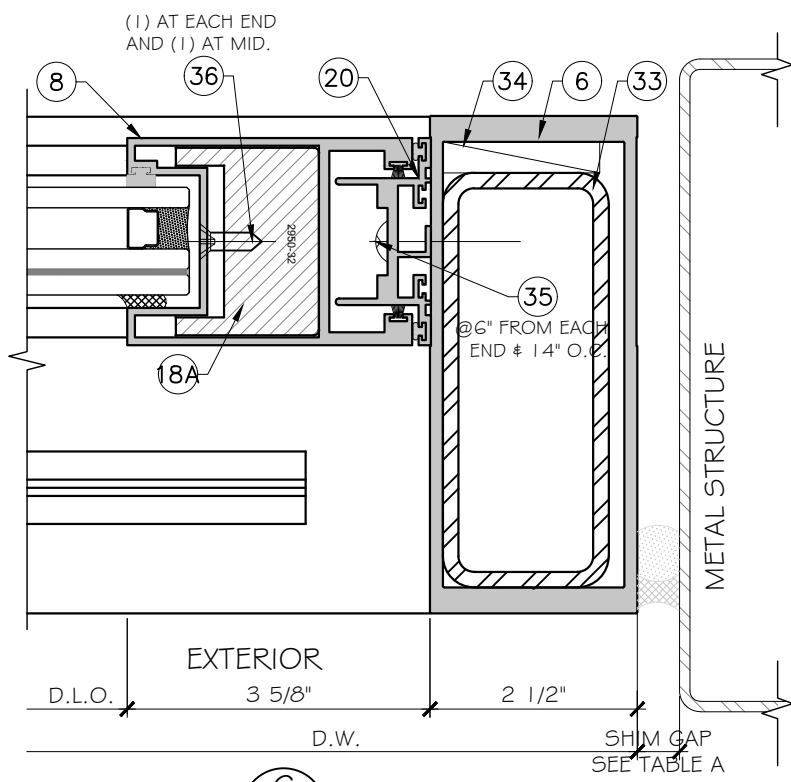
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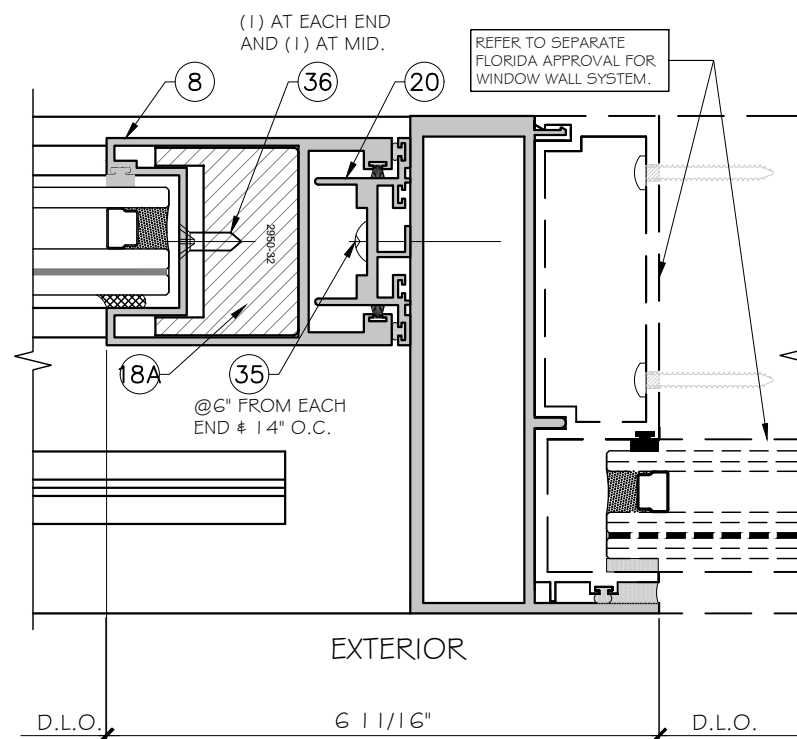
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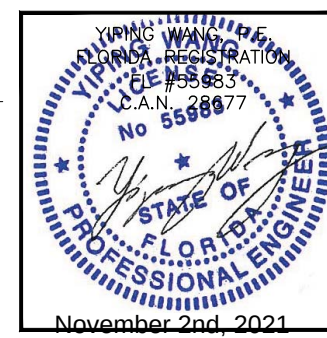
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DETAIL

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

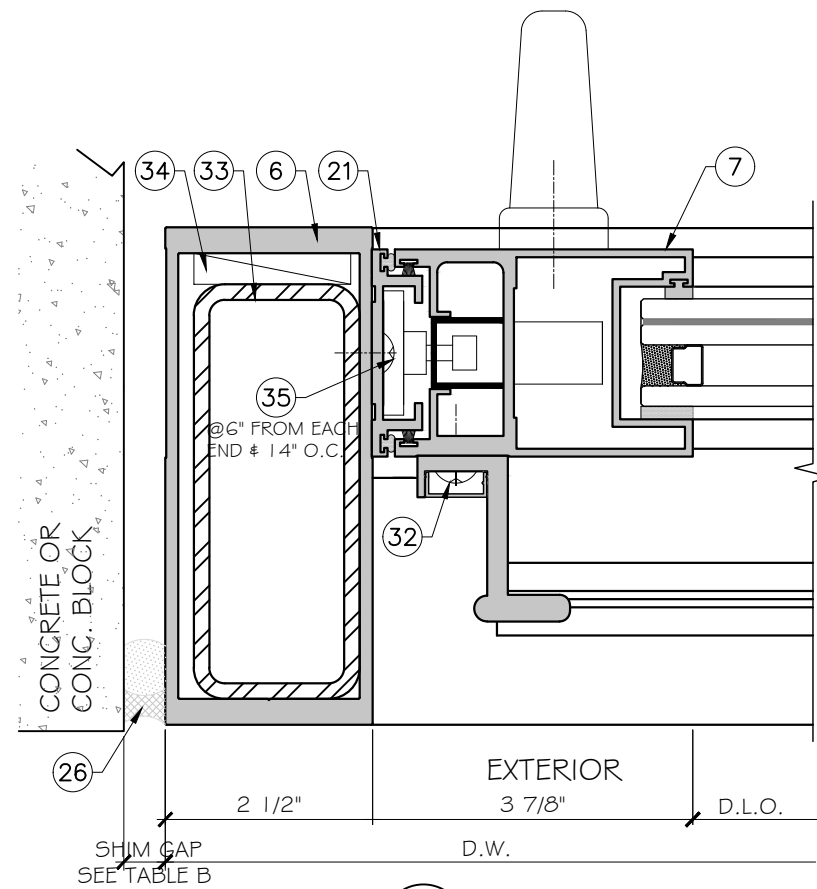
FLORIDA APPROVAL:  
FL#21079.1



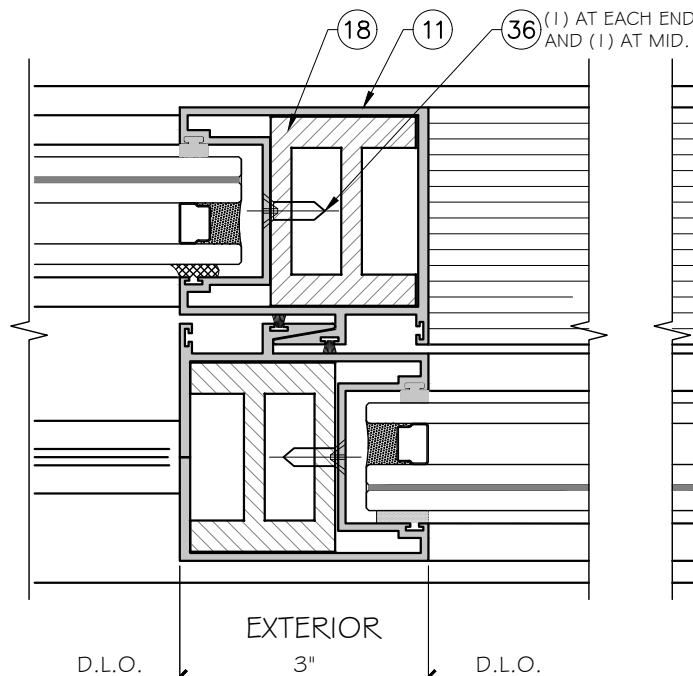
**MCY ENGINEERING, INC.**  
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12781 MIRAMAR PKWY. STE. 301  
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P: 305.271.0117  
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SERIES 2850 2 TRACK LIFT AND SLIDE GLASS DOOR S.M.I.  
**CONTINENTAL GLASS SYSTEMS**  
325 WEST 74 PLACE,  
HIALEAH, FL 33014  
TEL. (305) 231-1101

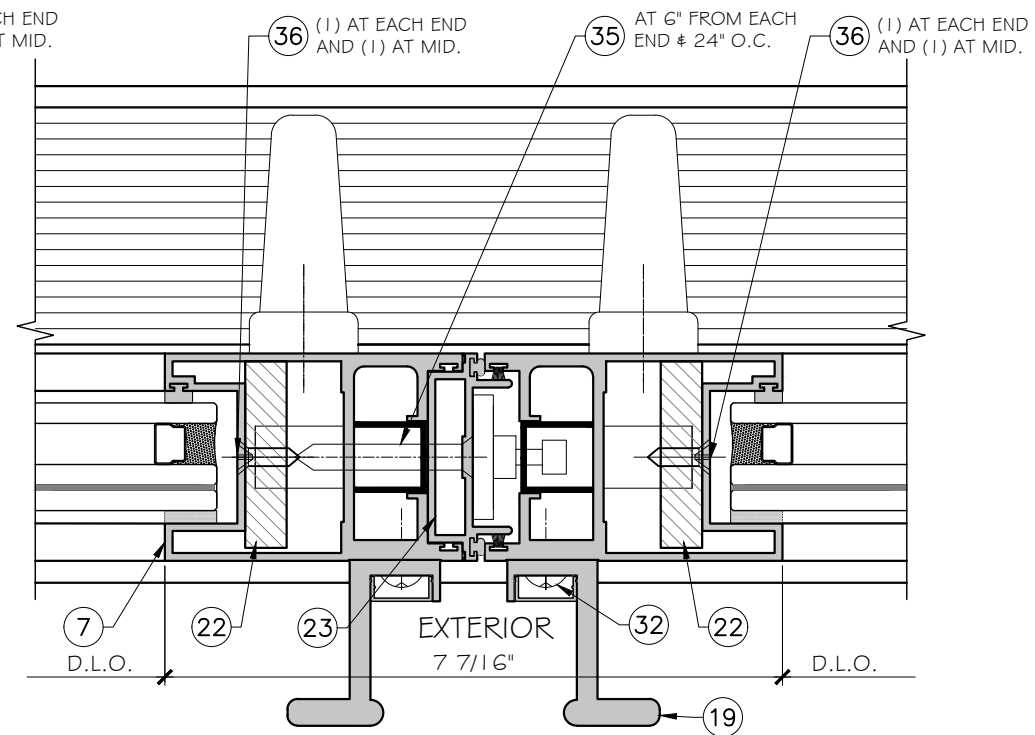
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| Drawn Date 10/14/2021 Scale |            |          |                      |
| DRAWING NO. AD21-34         |            |          |                      |
| D4                          |            |          |                      |
| Sheet No. 14 OF 20          |            |          |                      |



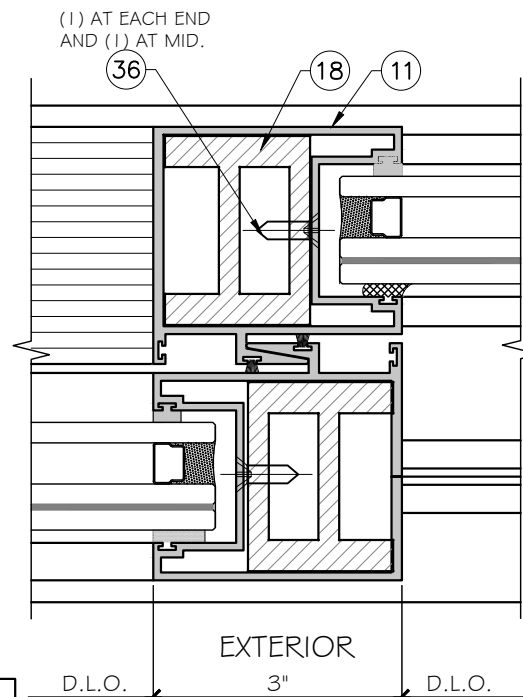
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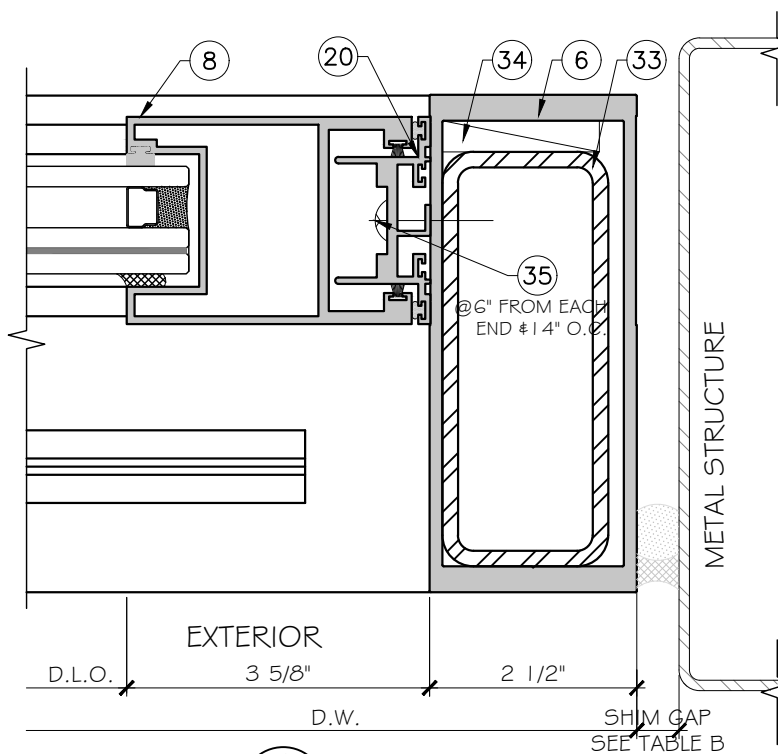
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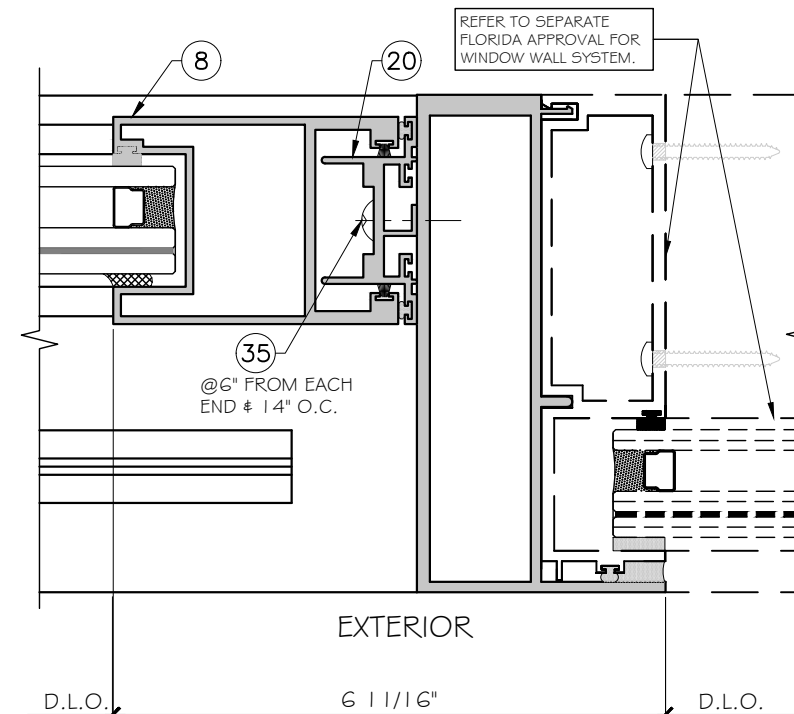
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DETAIL



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D5  
DETAIL

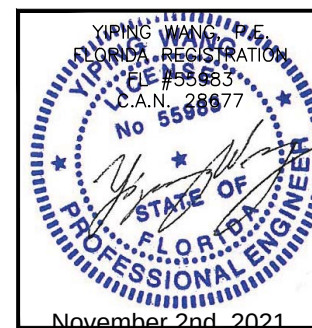


H  
D5  
DETAIL

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" |

FLORIDA APPROVAL:  
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LIFT AND SLIDE

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

CONTINENTAL GLASS SYSTEMS

325 WEST 74 PLACE,  
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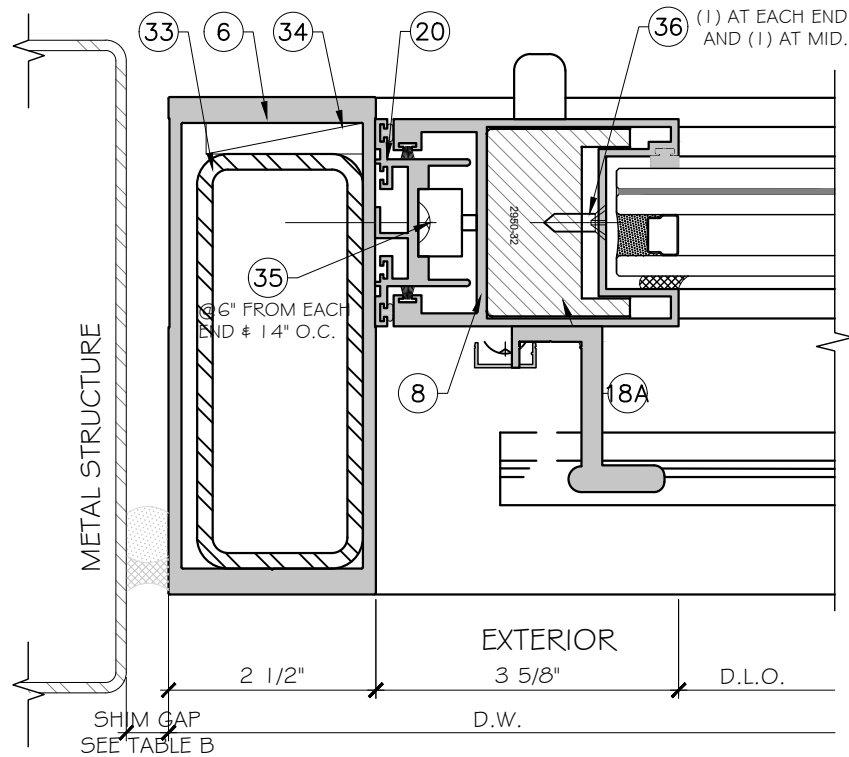
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| 1.       | 10/14/2021 | James    |          |             |

Drawn Date  
10/14/2021

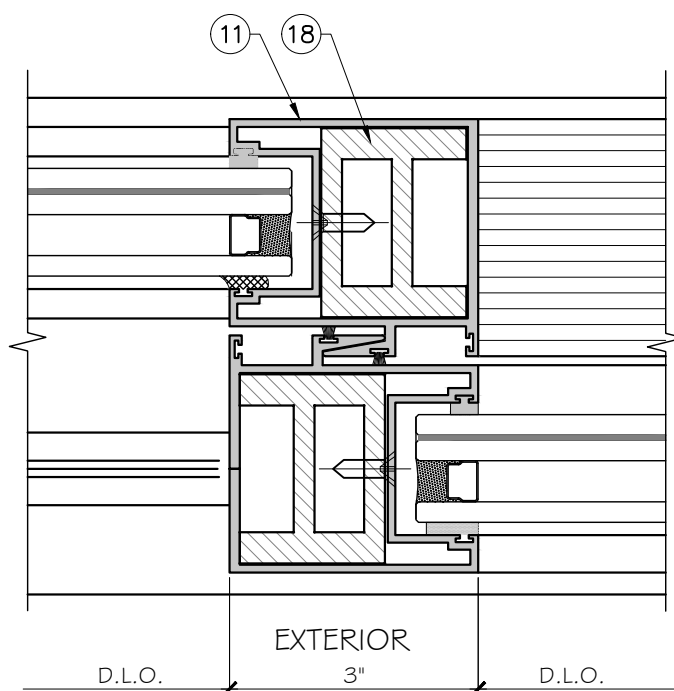
DRAWING NO.  
AD21-34

D5

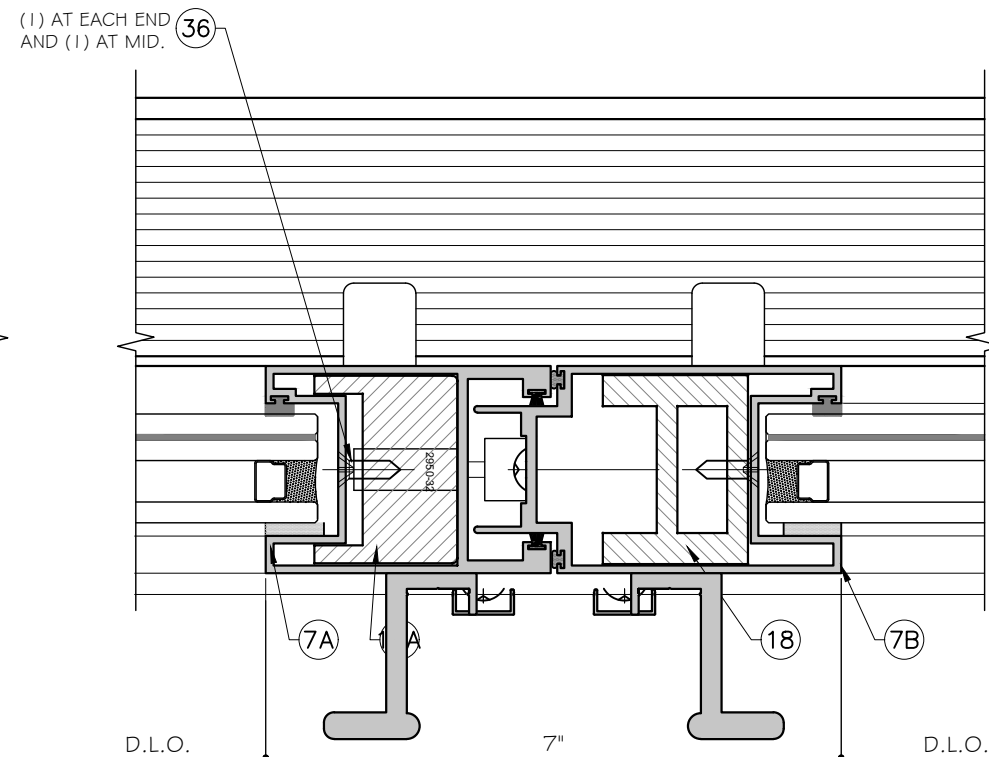
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15 OF 20



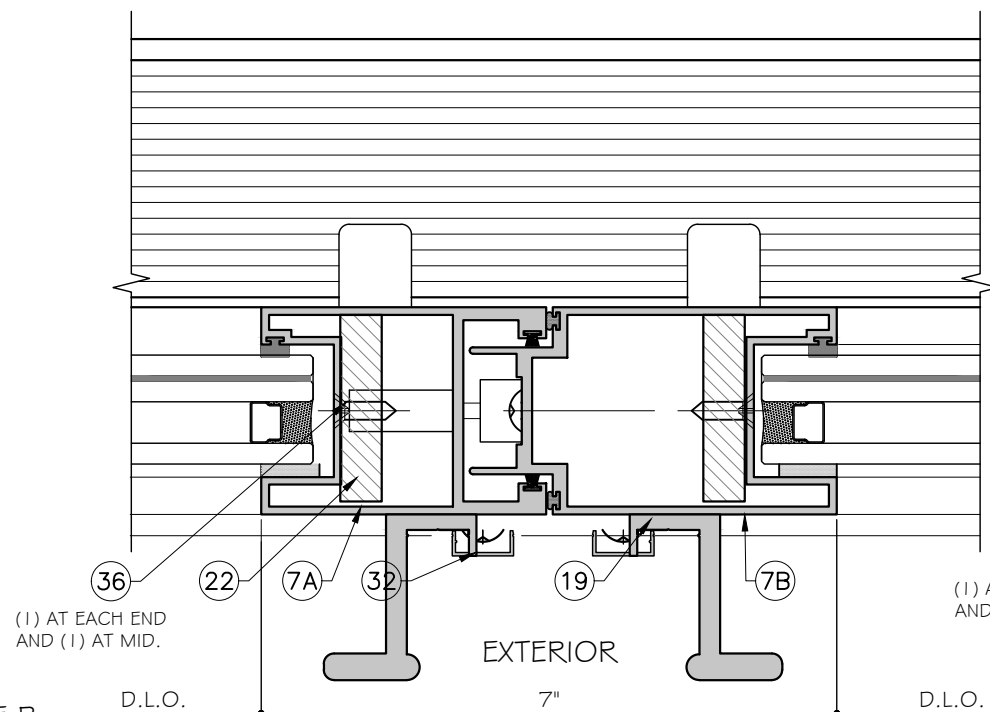
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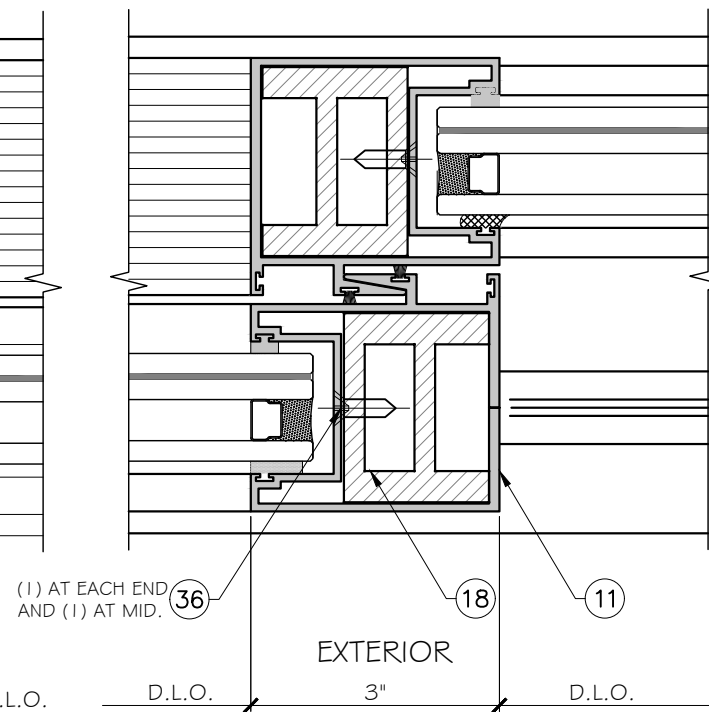
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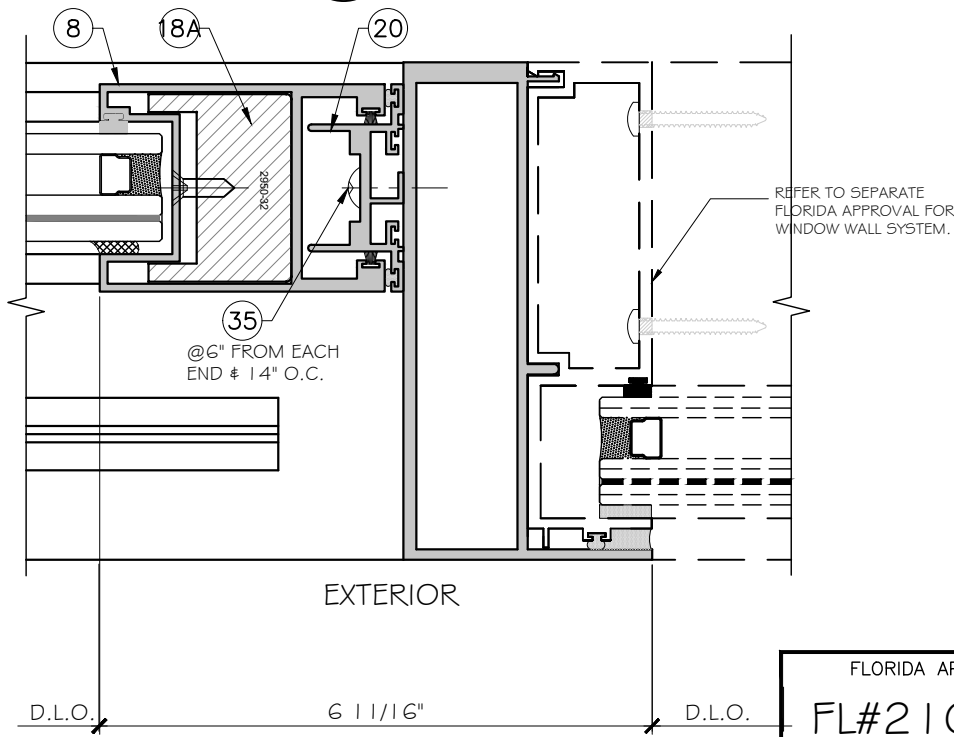
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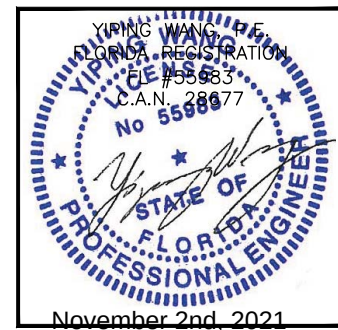


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DETAIL

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" |

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FL#21079.1



STANDARD SGD

| Rev. No.                    | Date       | Drawn By | REVISION Description |
|-----------------------------|------------|----------|----------------------|
| 1.                          | 10/14/2021 | James    |                      |
| Drawn Date 10/14/2021 Scale |            |          |                      |
| Drawing No. AD21-34         |            |          |                      |
| D6                          |            |          |                      |
| Sheet No. 16 OF 20          |            |          |                      |

1 HEAD  
2800-02 6005-T5

2 SILL  
2800-03 6005-T5

3 FIX HORIZ.  
2900-08 6005-T5

4 MOVING HORIZ.  
2900-19 6005-T5

5 BOTTOM MOVING HORIZ.  
2950-09 6005A-T6 I

6 JAMB  
2950-04 6005A-T6 I

7 LOCK STILE  
2950-10 6005A-T6 I

8 FIXED STILE  
2900-14 6005-T5

11 INTERLOCK  
2900-11 6005-T5

12 THRESHOLD  
2800-04 6063-T6

13A SILL TRACK  
2950-31 6005-T5

13B SILL TRACK  
2950-30 6005-T5

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12781 MIRAMAR PKWY. STE. 301

MIRAMAR, FL 33027

P: 305.271.0117

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mcy@mcyengineering.com

CONTINENTAL GLASS SYSTEMS

325 WEST 74 PLACE,

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TEL. (305) 231-1101

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

Rev. No. 1. 10/14/2021 James Drawn By

Scale

DRAWING NO. AD21-34

PARTS I

Sheet No. 17 OF 20

FLORIDA APPROVAL:

FL#21079.1

YIPING WANG

PROF. REGISTRATION

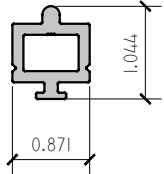
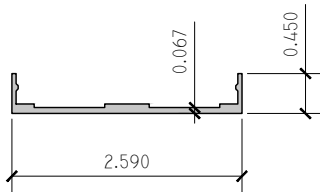
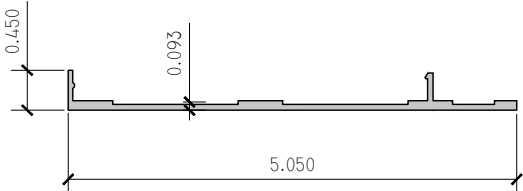
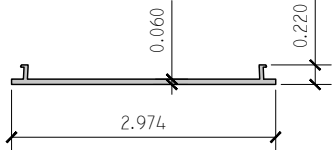
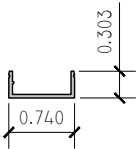
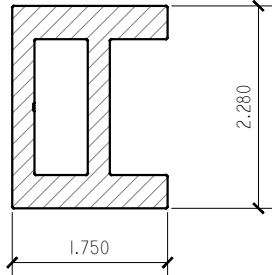
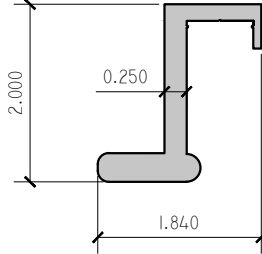
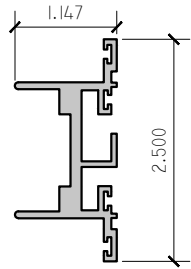
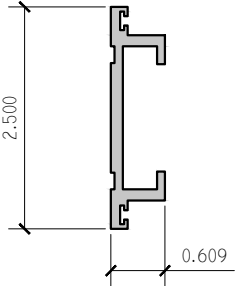
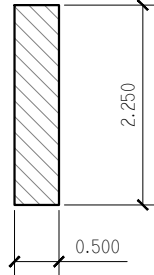
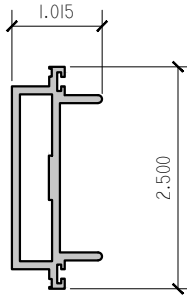
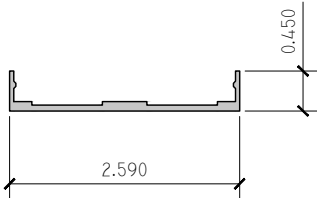
FL #55988

C.A.N. 28677

STATE OF FLORIDA

PROFESSIONAL ENGINEER

November 2nd, 2021

|                                                                                                                                     |                                                                                                                                             |                                                                                                                               |                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
|  <p>13 SILL TRACK<br/>2800-05 6005-T5</p>          |  <p>14 TOP COVER<br/>2900-26 6063-T6</p>                   |  <p>15 BOTTOM COVER<br/>2950-25 6063-T6</p> |  <p>16 COVER HEAD<br/>2800-40 6063-T6</p>           |
|  <p>17 HEAD SCREW COVER<br/>5500-09 6063-T6</p>    |  <p>18 INTERLOCK REINFORCEMENT<br/>2800-23 6005-T5</p>    |  <p>19 HANDLE<br/>2800-20 6005-T5</p>      |  <p>20 FIXED JAMB ADAPTOR<br/>2900-06 6063-T6</p>   |
|  <p>21 LOCK JAMB ADAPTOR<br/>2800-21 6005-T5</p> |  <p>22 MEETING STILE REINFORCEMENT<br/>--- 6005-T5</p> |  <p>23 ASTRAGAL<br/>2800-26 6005-T5</p>  |  <p>24 FIXED BOTTOM COVER<br/>2900-25 6063-T6</p> |

FLORIDA APPROVAL:

FL#21079.1

YIPING WANG

PROF. REGISTRATION

FL #55683

C.A.N. 28677

No 55988

STATE OF FLORIDA

PROFESSIONAL ENGINEER

Drawn Date

10/14/2021

Scale

November 2nd, 2021

MCY ENGINEERING, INC.

GLAZING CONSULTANTS

12781 MIRAMAR PKWY. STE. 301

MIRAMAR, FL 33027

P: 305.271.0117

www.MCYEngineering.com

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

CONTINENTAL GLASS SYSTEMS

325 WEST 74 PLACE,

HIALEAH, FL 33014

TEL. (305) 231-1101

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

Drawing No.

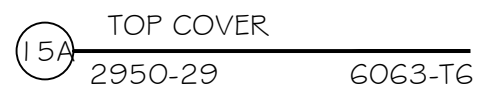
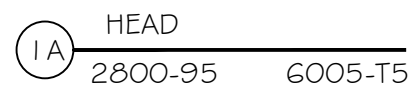
AD21-34

Parts

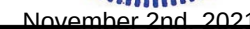
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Sheet No.

18 OF 20



FL#21079.1

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

CONTINENTAL GLASS SYSTEMS

325 WEST 74 PLACE,

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**MCY ENGINEERING, INC.**

## ENGINEERING, GLAZING CONSULTANTS

12781 MIRAMAR PKWY.STE.301

MIRAMAR, FL 33027

[mcv@mcvengineering.com](mailto:mcv@mcvengineering.com)

[mcy@mcyengineering.com](mailto:mcy@mcyengineering.com)

# BILL OF MATERIALS

| 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 0.187" 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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CONTINENTAL GLASS SYSTEMS

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HIALEAH, FL 33014

TEL. (305) 231-1101

|    |            |          |             |
|----|------------|----------|-------------|
| 1. | 10/14/2021 | James    | REVISION    |
|    |            | Drawn By | Description |
|    |            |          |             |
|    |            |          |             |
|    |            |          |             |

|                          |       |
|--------------------------|-------|
| Drawn Date<br>10/14/2021 | Scale |
|--------------------------|-------|

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Sheet No.  
20 OF 20

FLORIDA APPROVAL:  
FL#21079.1

YIPING WANG  
FLORIDA REGISTRATION  
FL # 93683  
C.A.N. 28677

No 55889

STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER

November 2nd, 2021