

# SUNSET WINDOWS & DOORS

## SERIES 50 F CAPPED CURTAIN WALL SYSTEM

### NON-IMPACT

| REVISIONS |                                       |          |          |
|-----------|---------------------------------------|----------|----------|
| REV       | CORRECTED JAMB ANCHOR BRACKET, SHT. 7 | 03/07/22 | APPROVED |

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN EVALUATED TO COMPLY WITH THE CURRENT PROVISIONS OF THE FLORIDA BUILDING CODE (FBC) EXCLUDING THE HIGH VELOCITY HURRICANE ZONES (HVHZ) AND IS BASED ON TESTING CONDUCTED TO AAMA 501-15 DOCUMENTED IN TEST REPORT NO. NCTL-210-4197-1A.
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE, MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. ULTIMATE DESIGN LOAD OBTAINED FROM ASCE 7, 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.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF THE INSTALLATION METHODS DEVIATE FROM THESE APPROVED DETAILS THIS WOULD REQUIRE FURTHER INVESTIGATION BY A LICENSED OR REGISTERED DESIGN PROFESSIONAL.
5. ALL SETTING BLOCKS AND GASKET MATERIALS SHALL BE IN COMPLIANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE. SETTING BLOCKS SHALL BE NEOPRENE WITH A 70 TO 90 SHORE A DUROMETER.
6. IN AREAS WHERE WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, USE OF AN IMPACT PROTECTIVE SYSTEM COMPLYING WITH THE FBC REQUIREMENTS FOR WINDBORNE DEBRIS REGIONS SHALL BE AS FOLLOWS:

6.1. THE NON-IMPACT GLAZED PRODUCT REQUIRES THE USE OF AN IMPACT PROTECTION DEVICE IF USED IN A WINDBORNE DEBRIS REGION.
7. MATERIALS: FRAME: ALUMINUM 6063-T5
8. GLAZING:

8.1. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-12AE1.

8.2. SEE GLAZING DETAILS ON SHEET 8 OF 8.

8.3. GLASS SHALL MEET SAFETY GLAZING REQUIREMENTS PER CURRENT EDITION OF THE FLORIDA BUILDING CODE.
9. PANEL OPERABILITY DESIGNATIONS:

10.1 WINDOW IS AN INOPERABLE (FIXED) PANEL.

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| 5                 | INSTALLATION DETAILS                    |
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| 7                 | CROSS SECTIONS                          |
| 8                 | B.O.M. , COMPONENTS AND GLAZING DETAILS |

ANCHOR NOTES:

1. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH A LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
2. FOR ANCHORING THROUGH STEEL ANCHOR BRACKET INTO MASONRY/CONCRETE USE 3/16" ITW ADVANCED THREADFORM TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE THE FOLLOWING:

2.1. CONCRETE: 1-1/2" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE.

2.2. CMU/MASONRY: 1" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE.
3. ANCHORING INTO WOOD SHALL BE AS FOLLOWS:

3.1. FOR ANCHORING THROUGH STEEL ANCHOR BRACKET INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS PER (ANSI B18.6.1) WITH MINIMUM GRADE 2 STRENGTH AND WITH SUFFICIENT LENGTH TO ACHIEVE 1-1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 3/4" MINIMUM EDGE DISTANCE.
4. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

4.1. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42 (NON-HVHZ).

4.2. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.

4.3. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90 MEDIUM WEIGHT WITH COMPRESSIVE STRENGTH OF 1900 psi (DENSITY > 117 PCF).

SUNSET WINDOWS AND DOORS, LLC  
910 WAREHOUSE ROAD, UNIT 110104  
ORLANDO, FL 32803

SERIES 50 F CAPPED CURTAIN WALL  
ALUMINUM NON-IMPACT  
GENERAL NOTES

DRAWN:  
JRM

DWG NO.  
NL-0135

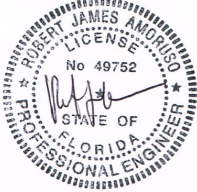
REV  
1

SCALE  
NTS

DATE  
10/30/2020

SHEET  
1 OF 8

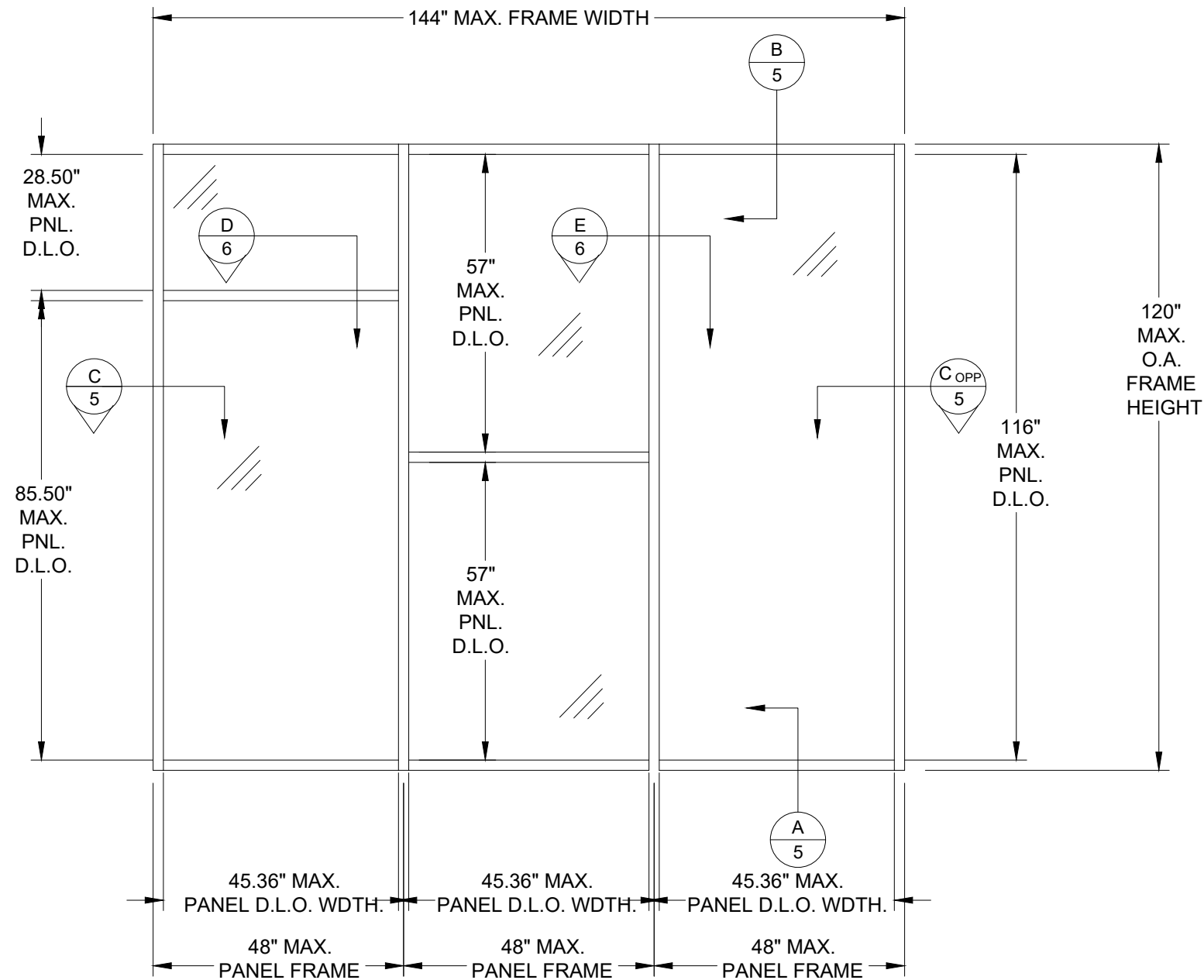
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| REVISIONS |                                       |          |          |
|-----------|---------------------------------------|----------|----------|
| REV       | CORRECTED JAMB ANCHOR BRACKET, SHT. 7 | 03/07/22 | APPROVED |

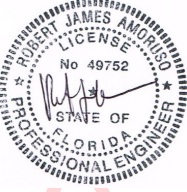


**SERIES 50 F CAPPED ALUMINUM CURTAIN WALL**  
**WITH NON-REINFORCED MULL**  
**EXTERIOR VIEW**

| DESIGN PRESSURE RATING (PSF)        |                            |                         |               |
|-------------------------------------|----------------------------|-------------------------|---------------|
| MAX. OVERALL TESTED PANEL SIZE (IN) | MAX. DESIGN PRESSURE (PSF) | QUALIFIED CONFIGURATION | IMPACT RATING |
| 144" X 120"                         | +/- 60.0                   | O/O/O                   | NONE          |
| SEE GLAZING DETAIL ON SHT. 8        |                            |                         |               |

|                                                                                        |                    |              |
|----------------------------------------------------------------------------------------|--------------------|--------------|
| SUNSET WINDOWS AND DOORS, LLC<br>910 WAREHOUSE ROAD, UNIT 110104<br>ORLANDO, FL 32803  |                    |              |
| SERIES 50 F CAPPED CURTAIN WALL<br>ALUMINUM NON-IMPACT<br>ELEVATION & DESIGN PRESSURES |                    |              |
| DRAWN:<br>JRM                                                                          | DWG NO.<br>NL-0135 | REV<br>1     |
| SCALE NTS                                                                              | DATE 10/30/2020    | SHEET 2 OF 8 |

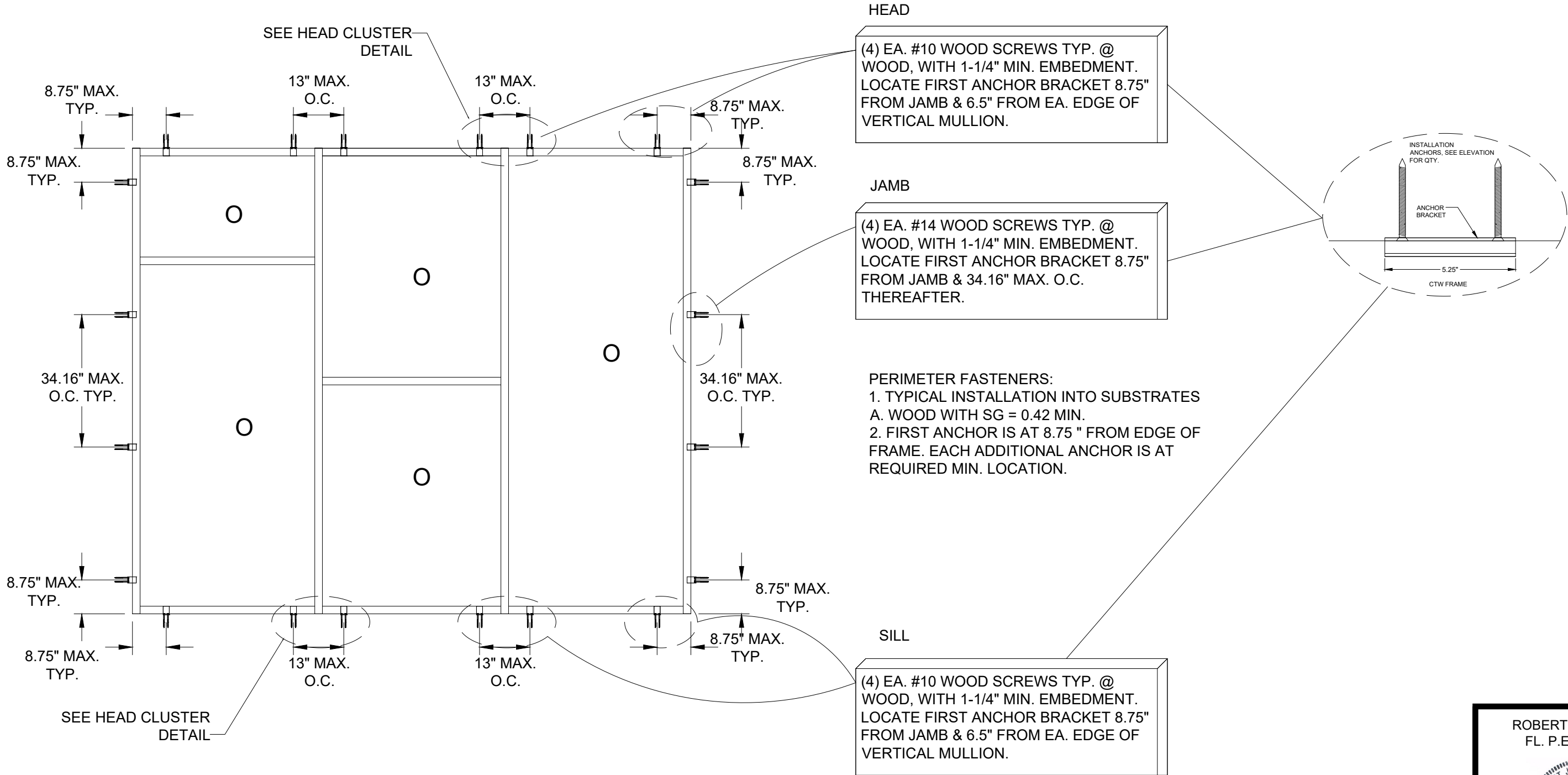
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**SERIES 50 F CAPPED ALUMINUM CURTAIN WALL**  
**WOOD FRAME INSTALLATION**  
 (SEE SHEET 4 FOR CONCRETE/CMU INSTALLATION)  
 EXTERIOR VIEW

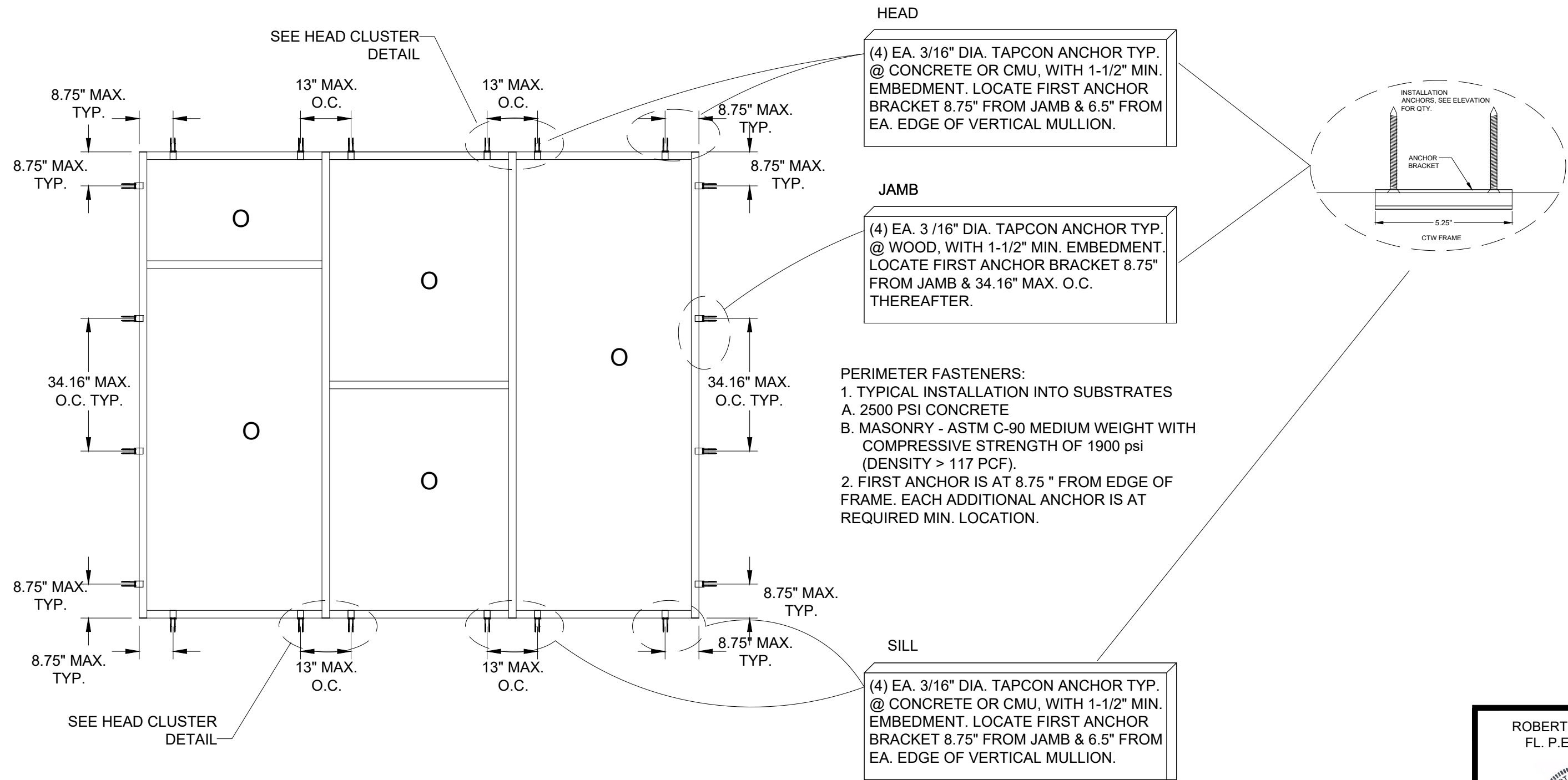
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| SERIES 50 F CAPPED CURTAIN WALL<br>ALUMINUM NON-IMPACT<br>ANCHOR LAYOUT WOOD FRAME    |                    |              |
| DRAWN:<br>JRM                                                                         | DWG NO.<br>NL-0135 | REV<br>1     |
| SCALE NTS                                                                             | DATE 10/30/2020    | SHEET 3 OF 8 |

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**SERIES 50 F CAPPED ALUMINUM CURTAIN WALL**  
**CONCRETE / CMU INSTALLATION**  
(SEE SHEET 3 FOR WOOD FRAME INSTALLATION)  
**EXTERIOR VIEW**

|                                                                                       |                    |                 |
|---------------------------------------------------------------------------------------|--------------------|-----------------|
| SUNSET WINDOWS AND DOORS, LLC<br>910 WAREHOUSE ROAD, UNIT 110104<br>ORLANDO, FL 32803 |                    |                 |
| SERIES 50 F CAPPED CURTAIN WALL<br>ALUMINUM NON-IMPACT<br>ANCHOR LAYOUT CONCRETE/CMU  |                    |                 |
| DRAWN:<br>JRM                                                                         | DWG NO.<br>NL-0135 | REV<br>1        |
| SCALE<br>NTS                                                                          | DATE<br>10/30/2020 | SHEET<br>4 OF 8 |

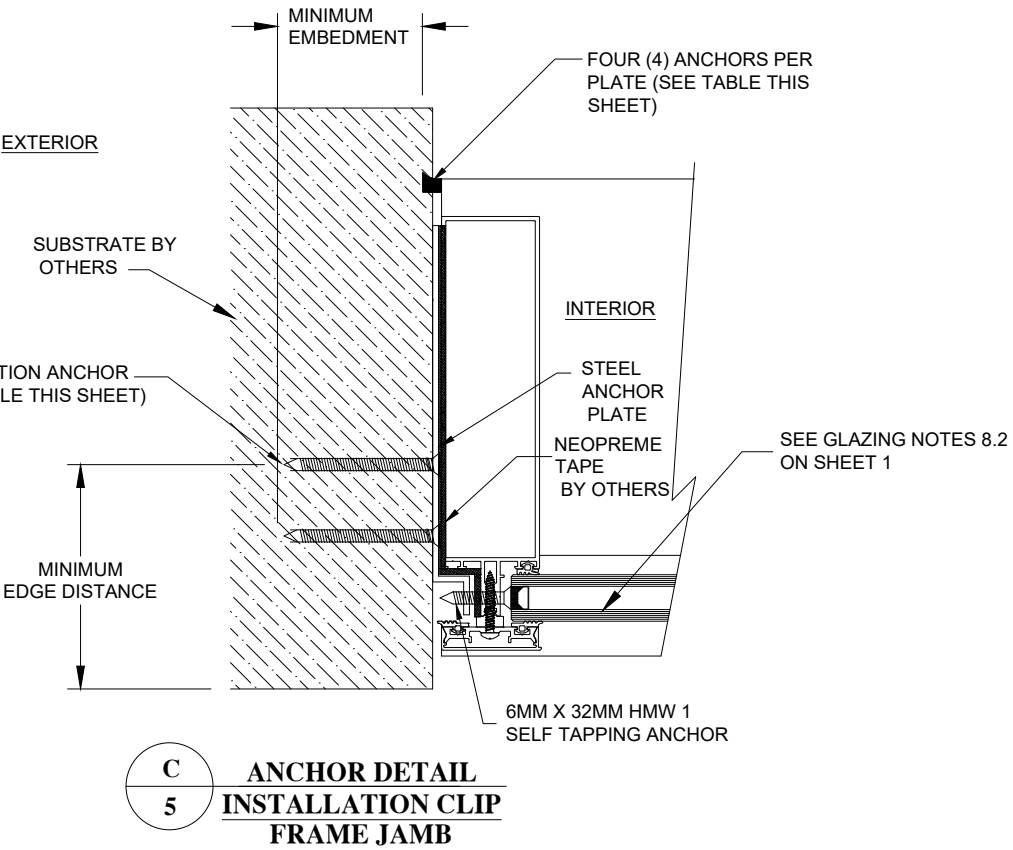
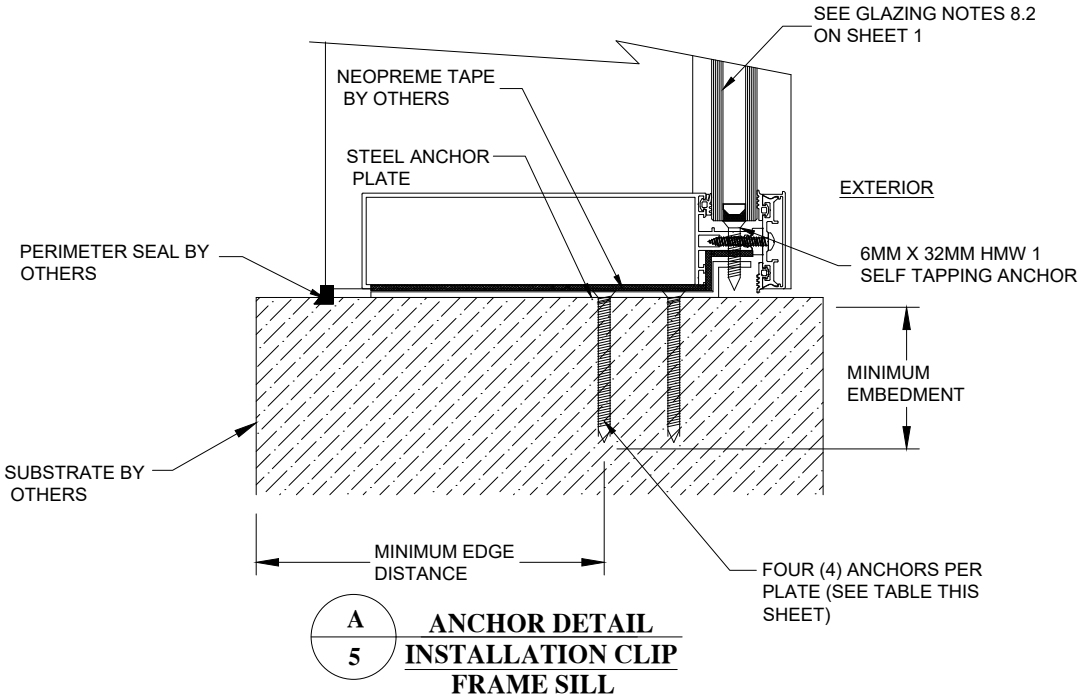
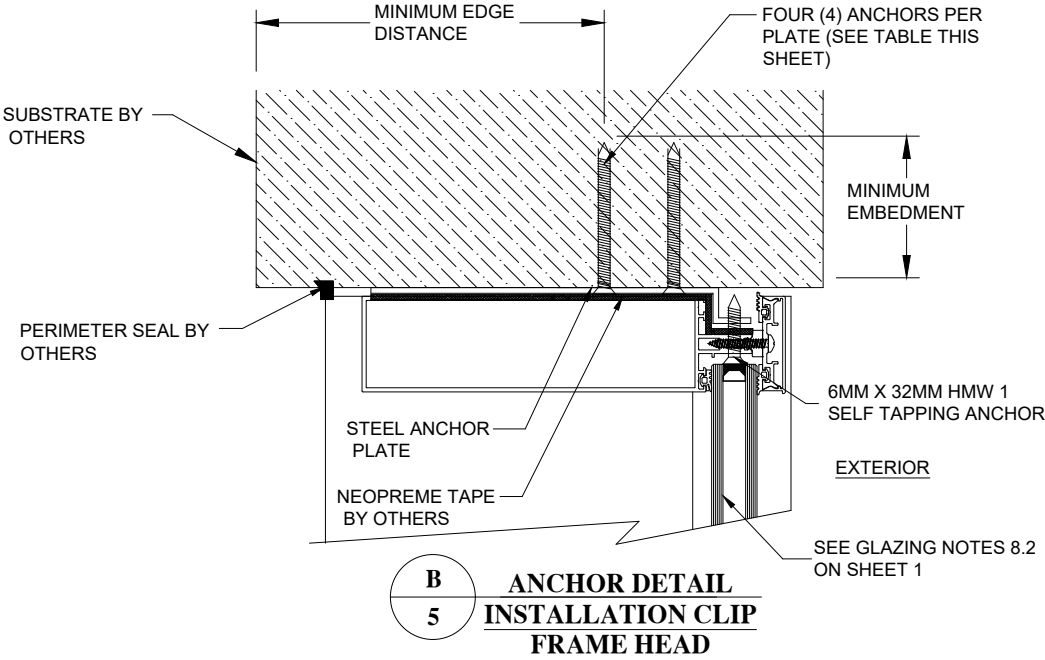
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| REVISIONS |                                       |          |          |
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| REV       | CORRECTED JAMB ANCHOR BRACKET, SHT. 7 | 03/07/22 | APPROVED |



NOTES:  
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS NOT SHOWN FOR CLARITY.  
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112.

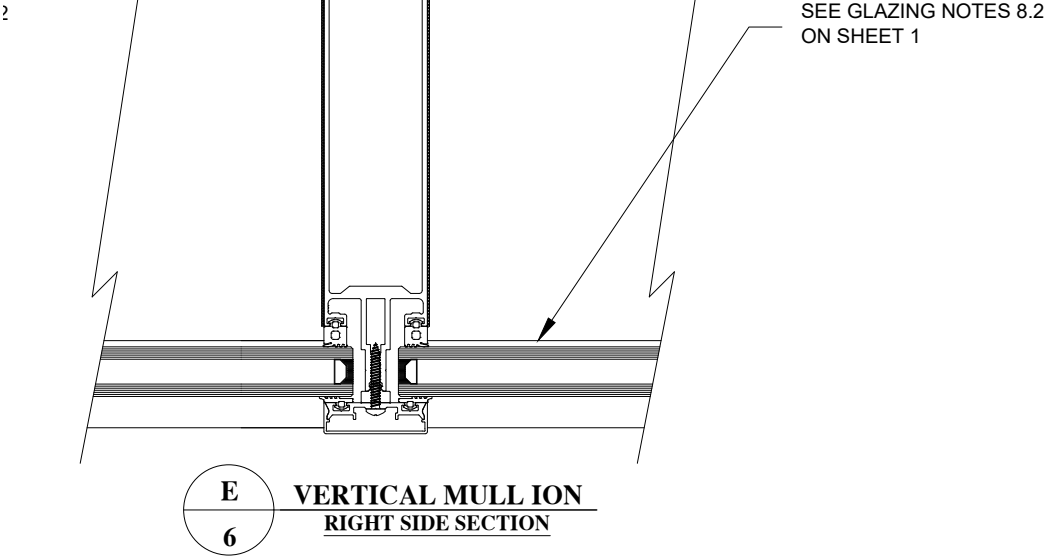
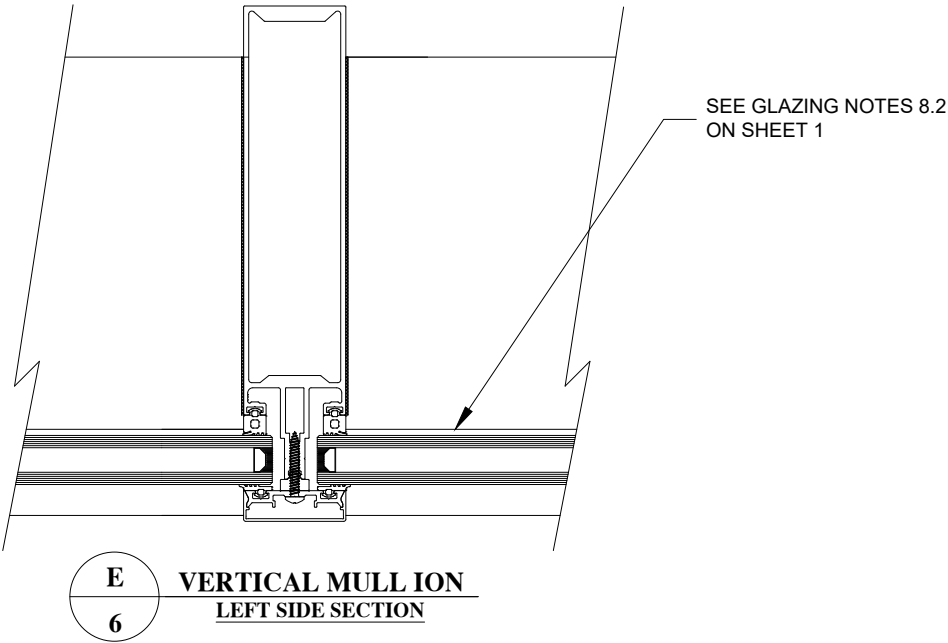
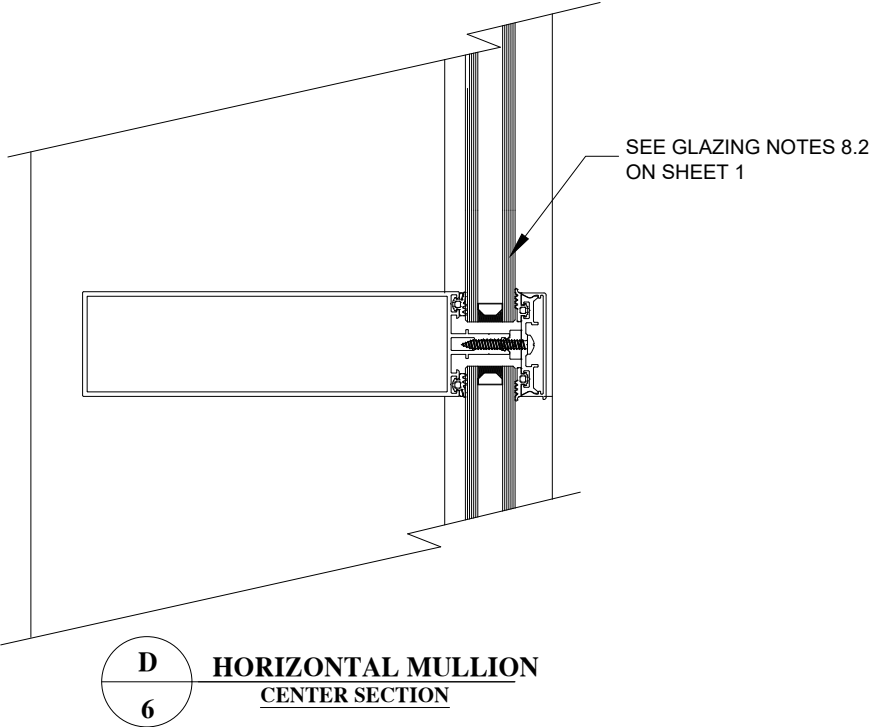
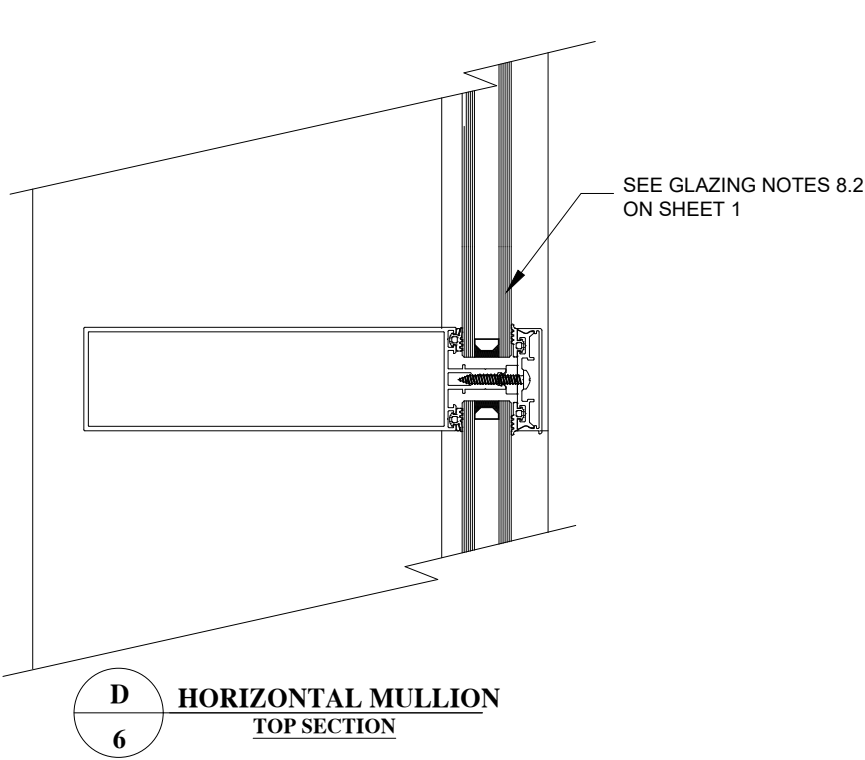
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| SERIES 50 F CAPPED CURTAIN WALL<br>ALUMINUM NON-IMPACT<br>INSTALLATION DETAILS        |                    |                 |
| DRAWN:<br>JRM                                                                         | DWG NO.<br>NL-0135 | REV<br>1        |
| SCALE<br>NTS                                                                          | DATE<br>10/30/2020 | SHEET<br>5 OF 8 |

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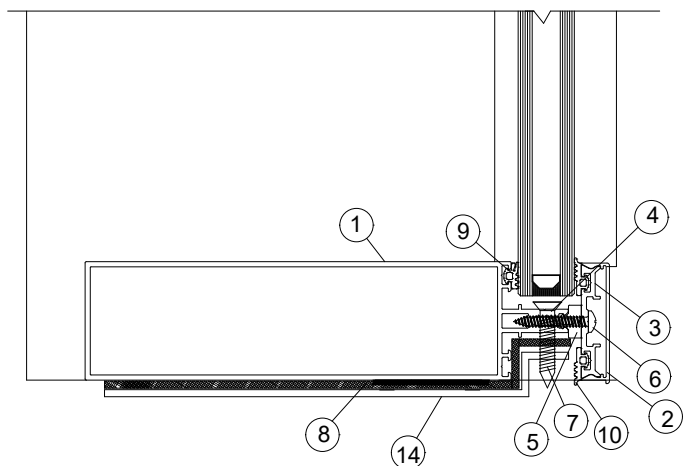
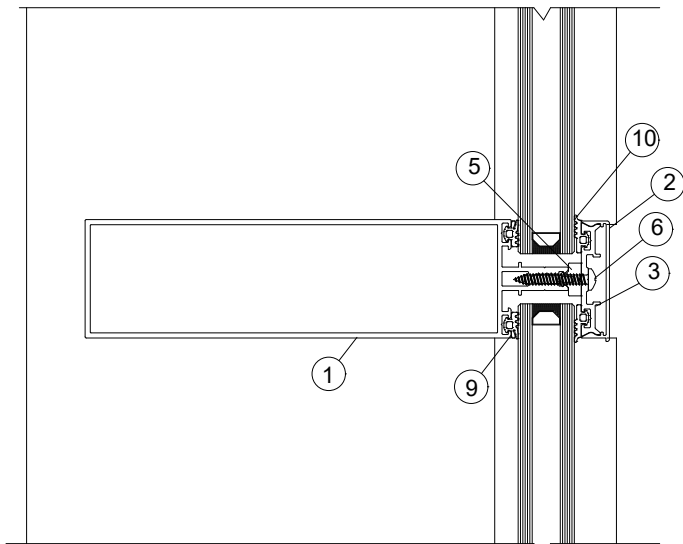
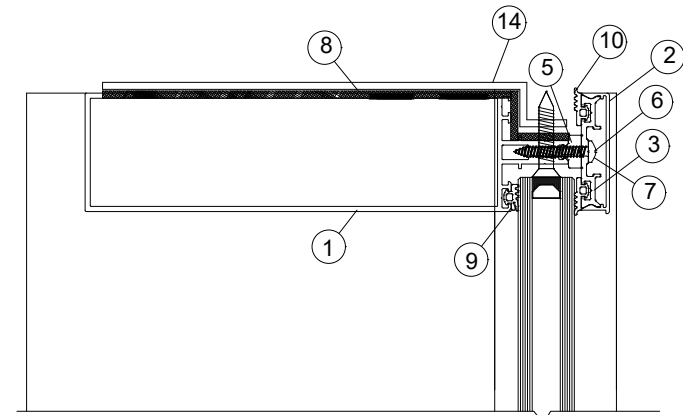
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| SERIES 50 F CAPPED CURTAIN WALL<br>ALUMINUM NON-IMPACT<br>HORIZ & VERTICAL MULLION SECTIONS |                    |              |
| DRAWN:<br>JRM                                                                               | DWG NO.<br>NL-0135 | REV<br>1     |
| SCALE NTS                                                                                   | DATE 10/30/2020    | SHEET 6 OF 8 |

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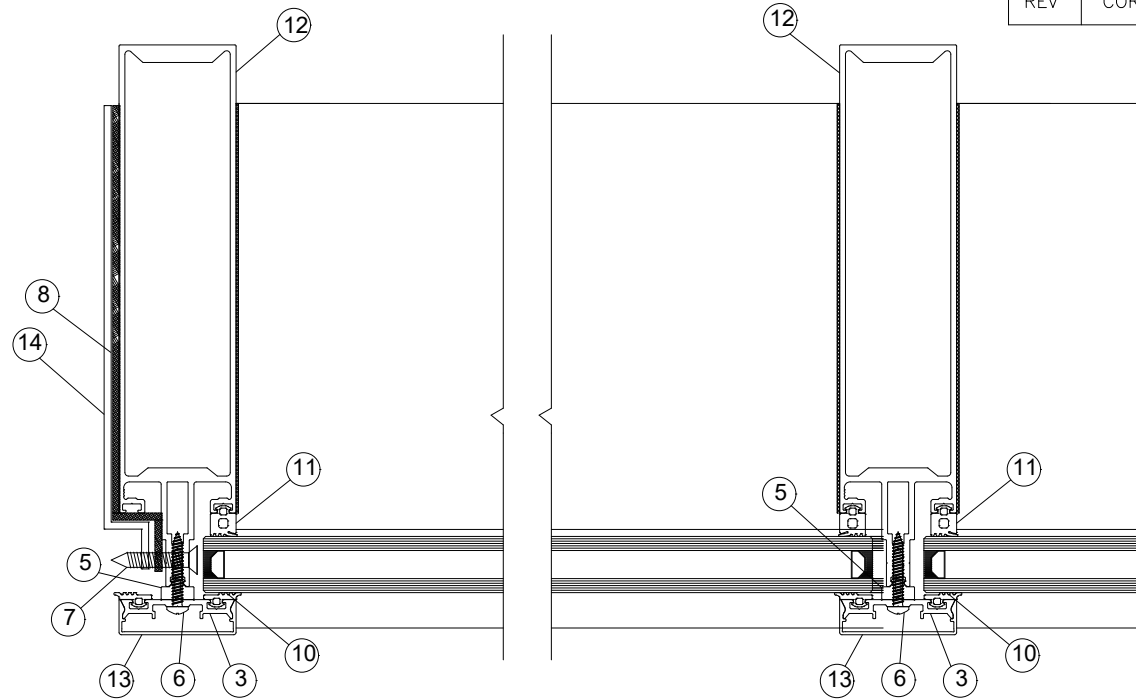
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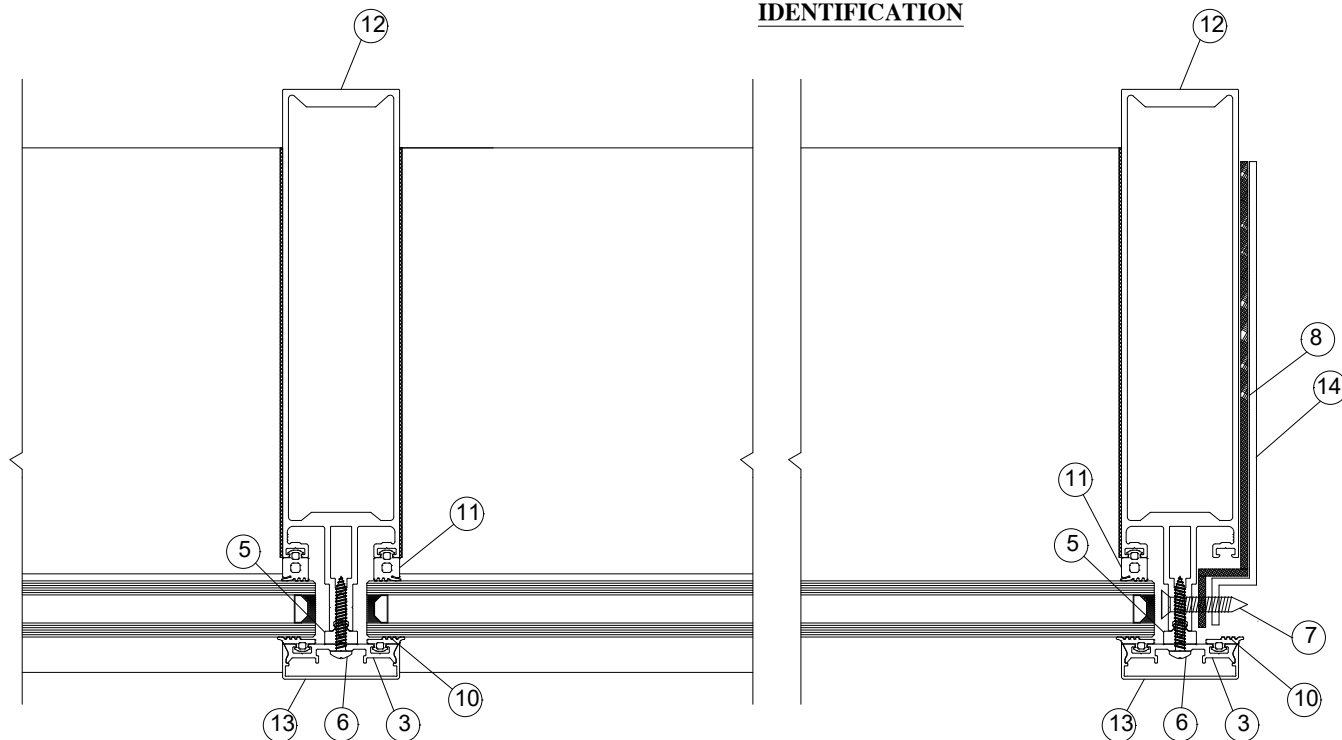
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|-----------|---------------------------------------|----------|----------|
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**TYPICAL CROSS SECTION FOR PARTS IDENTIFICATION**



**TYPICAL CROSS SECTION FOR PARTS IDENTIFICATION**



**TYPICAL CROSS SECTION FOR PARTS IDENTIFICATION**

|                                                                                       |                    |              |
|---------------------------------------------------------------------------------------|--------------------|--------------|
| SUNSET WINDOWS AND DOORS, LLC<br>910 WAREHOUSE ROAD, UNIT 110104<br>ORLANDO, FL 32803 |                    |              |
| SERIES 50 F CAPPED CURTAIN WALL<br>ALUMINUM NON-IMPACT<br>CROSS SECTIONS              |                    |              |
| DRAWN:<br>JRM                                                                         | DWG NO.<br>NL-0135 | REV<br>1     |
| SCALE NTS                                                                             | DATE 10/30/2020    | SHEET 7 OF 8 |

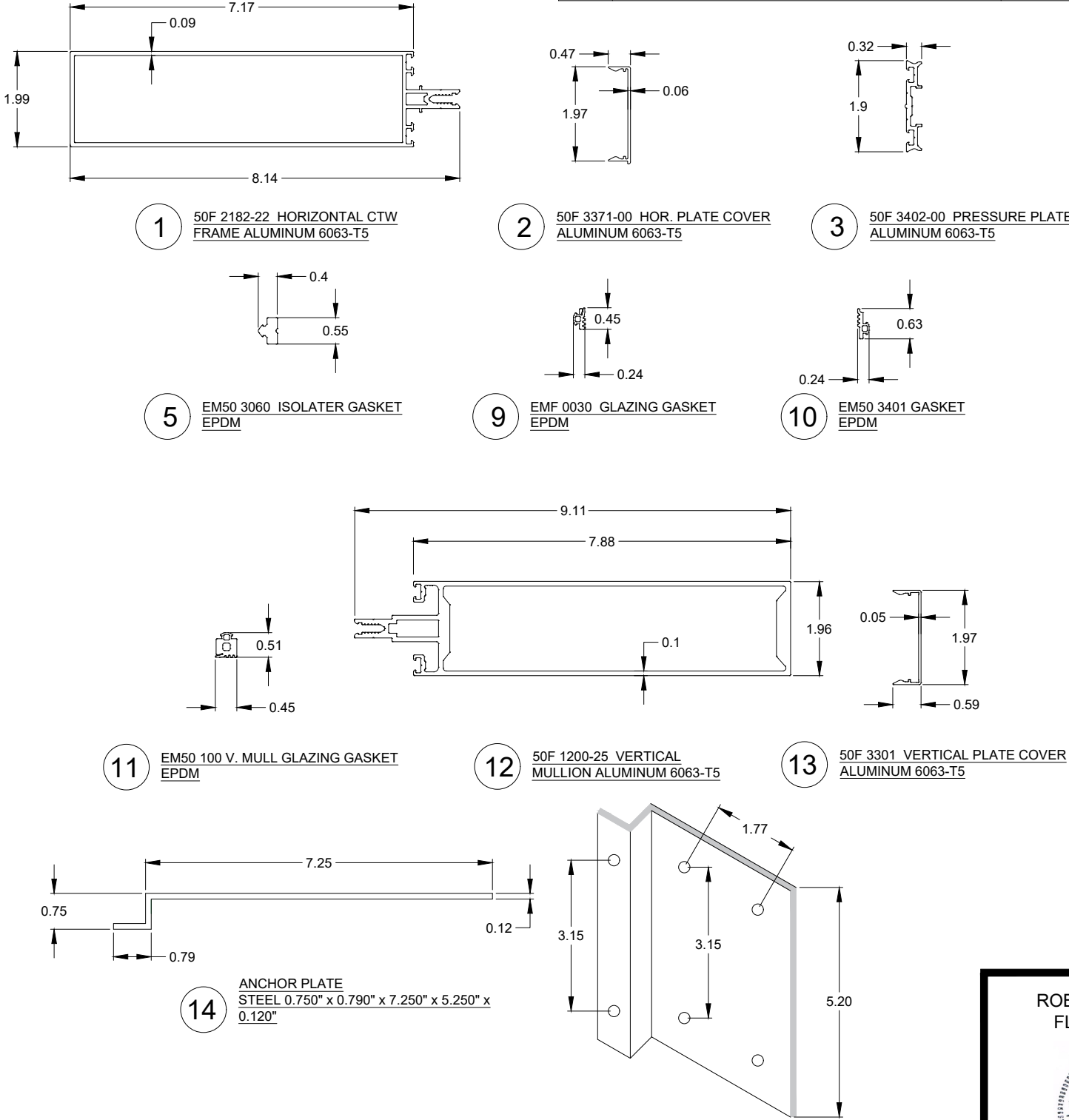
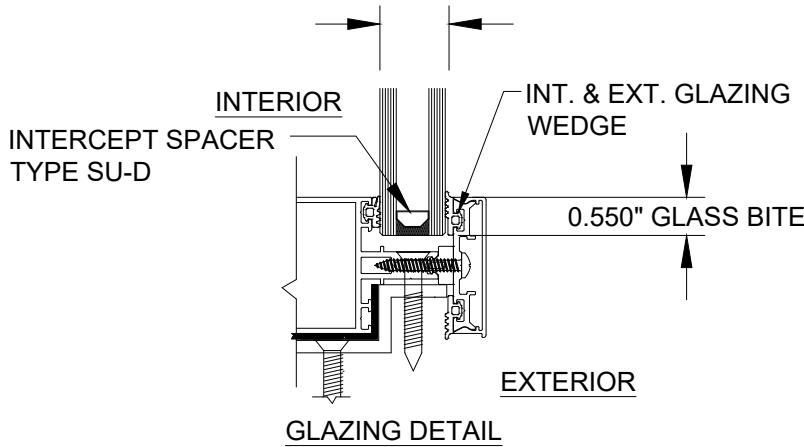
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| QTY. | PART NO.     | DESCRIPTION                                                        | MANUFACTURER |
|------|--------------|--------------------------------------------------------------------|--------------|
| 1    | 50F 2182-22  | MAIN CTW FRAME / HORIZONTAL , ALUMINUM 6063-T5                     | SUNSET       |
| 2    | 50 F 3371-00 | PRESSURE PLATE COVER, ALUMINUM 6063-T5                             | SUNSET       |
| 3    | 50 F 3402-00 | PRESSURE PLATE, ALUMINUM 6063-T5                                   | SUNSET       |
| 4    | -----        | SETTING BLOCK 0.437" X 1.4980" EPDM                                | SUNSET       |
| 5    | EM50 -3060   | ISOLATER GASKET 0.550" X 0.222" X 0.440", EPDM                     | PURCHASE     |
| 6    | -----        | HMW SELF DRILLING FASTENER 4.8MM X 32MM, STEEL                     | PURCHASE     |
| 7    | -----        | HMW SELF DRILLING FASTENER 6MM X 32MM, STEEL                       | PURCHASE     |
| 8    | -----        | NEOPREME TAPE                                                      | PURCHASE     |
| 9    | EMF-0030     | GLAZING GASKET, INT. & EXT., EPDM                                  | PURCHASE     |
| 10   | EM50-3401    | GLAZING GASKET, PRESSURE PLATE, EXT EPDM                           | PURCHASE     |
| 11   | EM50-100     | V. MULLION GLAZING GASKET, , EXT EPDM                              | PURCHASE     |
| 12   | 50F-1200-25  | VERTICAL MULLION , ALUMINUM 6063-T5                                | PURCHASE     |
| 13   | 50F-3301     | V. MULLION COVER, ALUMINUM 6063-T5                                 | PURCHASE     |
| 14   | -----        | STEEL ANCHOR PLATE, 0.787" X0.629" X 7.250" X 5.20" X 0.118" THICK | PURCHASE     |
| 15   | EM50-100     | #10 PH WOOD SCREW                                                  | PURCHASE     |
| 16   | -----        | 3/16" DIAM. I.T.W. MASONRY ANCHOR                                  | PURCHASE     |

(25.4MM) 1.00" O.A. INSULATED GLASS CONSISTING OF:  
EXT. (6MM) 1/4" TEMP. GLASS, 1/2" AIR-SPACER,  
(6MM) 1/4" TEMP. GLASS INT.

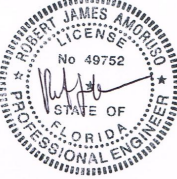


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ORLANDO, FL 32803

SERIES 50 F CAPPED CURTAIN WALL  
ALUMINUM NON-IMPACT  
B.O.M./COMP. & GLAZING DETAILS

|               |                    |                 |
|---------------|--------------------|-----------------|
| DRAWN:<br>JRM | DWG NO.<br>NL-0135 | REV<br>1        |
| SCALE<br>NTS  | DATE<br>10/30/2020 | SHEET<br>8 OF 8 |

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