

ASSA ABLOY

ASSA ABLOY ENTRANCE SYSTEMS  
1900 AIRPORT ROAD  
MONROE, NC 28110  
PHONE: 1-866-237-2687

ASSA ABLOY

SL500 RESILIENCE R128 SLIDING DOOR SYSTEM  
BI-PARTING AND SINGLE SLIDING

| Revisions |                 |          |          |
|-----------|-----------------|----------|----------|
| Rev       | Description     | Date     | Approved |
| 0         | Initial Release | 12/16/19 | SJF      |
| 1         | Revision        | 4/24/25  | SJF      |

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED PER TAS 201, 202, & 203. IT MEETS ALL OF THE REQUIREMENTS OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE, INCLUDING THE HVHZ PROVISIONS. GLASS TYPE 1 IS LARGE AND SMALL IMPACT RESISTANT, AND DOES NOT REQUIRE SHUTTERS IN WINDBORNE DEBRIS REGIONS. GLASS TYPE 2 IS NOT IMPACT RESISTANT, IMPACT RESISTANT SHUTTERS ARE REQUIRED IN WINDBORNE DEBRIS REGIONS.

2. MAX. DESIGN PRESSURES ARE LISTED ON SHEET 4.

3. THIS DOOR SYSTEM IS NOT TESTED OR RATED FOR WATER INFILTRATION RESISTANCE. IT IS INTENDED FOR USE ONLY IN LOCATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR WHERE IT IS PROTECTED BY AN OVERHANG MEETING THE REQUIREMENTS OF FBC SECTION 1709.5.1.

4. OPENING SUBSTRATES, WOOD BUCKS (OPTIONAL), AND WOOD BUCK FASTENERS ARE BY OTHERS AND MUST BE DESIGNED AND INSTALLED PER FBC REQUIREMENTS TO SAFELY TRANSFER THE LOADS FROM THIS SYSTEM TO THE BUILDING STRUCTURE. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS LISTED IN THE ANCHOR CHART ON SHEET 13.

5. ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS LISTED IN THE ANCHOR CHART ON SHEET 13, AND AS DETAILED IN THESE DRAWINGS. ANCHOR EMBEDMENT IN SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO.

6. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS.

7. THE 4/3 INCREASE IN ALLOWABLE STRESS FOR SHORT-TERM LOADING HAS NOT BEEN USED IN THE DESIGN OF THIS SYSTEM. THE 1.6 Cd FACTOR HAS BEEN USED IN THE ANALYSIS OF WOOD SCREWS ONLY.

8. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT GALVANIC REACTIONS IN ACCORDANCE WITH FBC CHAPTERS 20 AND 23.

SYSTEM NOTES:

1. ALL ALUMINUM PARTS SHALL BE 6063-T5 ALUMINUM ALLOY AND TEMPER, UNLESS OTHERWISE NOTED.

2. FOR GLAZING DETAILS, SEE SHEET 5.

3. THE GLAZING MATERIALS IN BOTH FIXED AND SLIDING PANELS OF ALL SLIDING DOORS MUST COMPLY WITH THE REQUIREMENTS IN THE PERFORMANCE SPECIFICATIONS AND METHODS OF TEST FOR SAFETY GLAZING MATERIALS USED IN BUILDINGS, PER FBC REQUIREMENTS.

4. THIS SYSTEM HAS NOT BEEN TESTED PER ANSI Z97.1.

CORNER CONSTRUCTION:

5. FRAME CORNERS ARE SQUARE CUT AND MECHANICALLY FASTENED AT THE HEAD WITH M6x30 SCREWS USING A BEAM END PLATE (SEE SHEET 12),

6. PANEL CORNERS ARE SQUARE CUT AND MECHANICALLY FASTENED AT EACH CORNER USING ANTI-TWIST BRACKETS, THEN REINFORCED WITH (2) FULL WIDTH 3/8" THREADED TIE IN THE TOP AND BOTTOM RAILS.

Sheet

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Description

General Notes, Corner Construction

Bi-Part Elevation, Jamb Anchoring Locations

Single Slide Elevation, Jamb Anchoring Locations

Design Pressure Charts

Glazing Details

Bi-Part Section Views

Bi-Part Head and Sill Anchoring Locations

Single Slide Section Views

Single Slide Head and Sill Anchoring Locations

Door Connections and Head Section Views

Locking Details, Muntin Details

Frame Connection Details

Threshold Anchoring Details, Installation Anchor Table

Head and Jamb Anchoring Details

Profiles

Bill of Materials, Sheet 1 of 2

Bill of Materials, Sheet 2 of 2

| DESIGN PRESSURE       | IMPACT RATING                                        |
|-----------------------|------------------------------------------------------|
| SEE TABLES ON SHEET 4 | SEE TABLES ON SHEET 4 AND GLAZING DETAILS ON SHEET 5 |

SCOTT WOLTERS  
FL PE# 62354

WOLTERS ENGINEERING  
(COA# 27194)  
15211 97TH ROAD N  
WEST PALM BEACH, FL 33412  
PH/FAX:(561) 225-1982

SCOTT WOLTERS  
FL PE# 62354

STATE OF FLORIDA  
APR 24 2025  
PROFESSIONAL ENGINEER

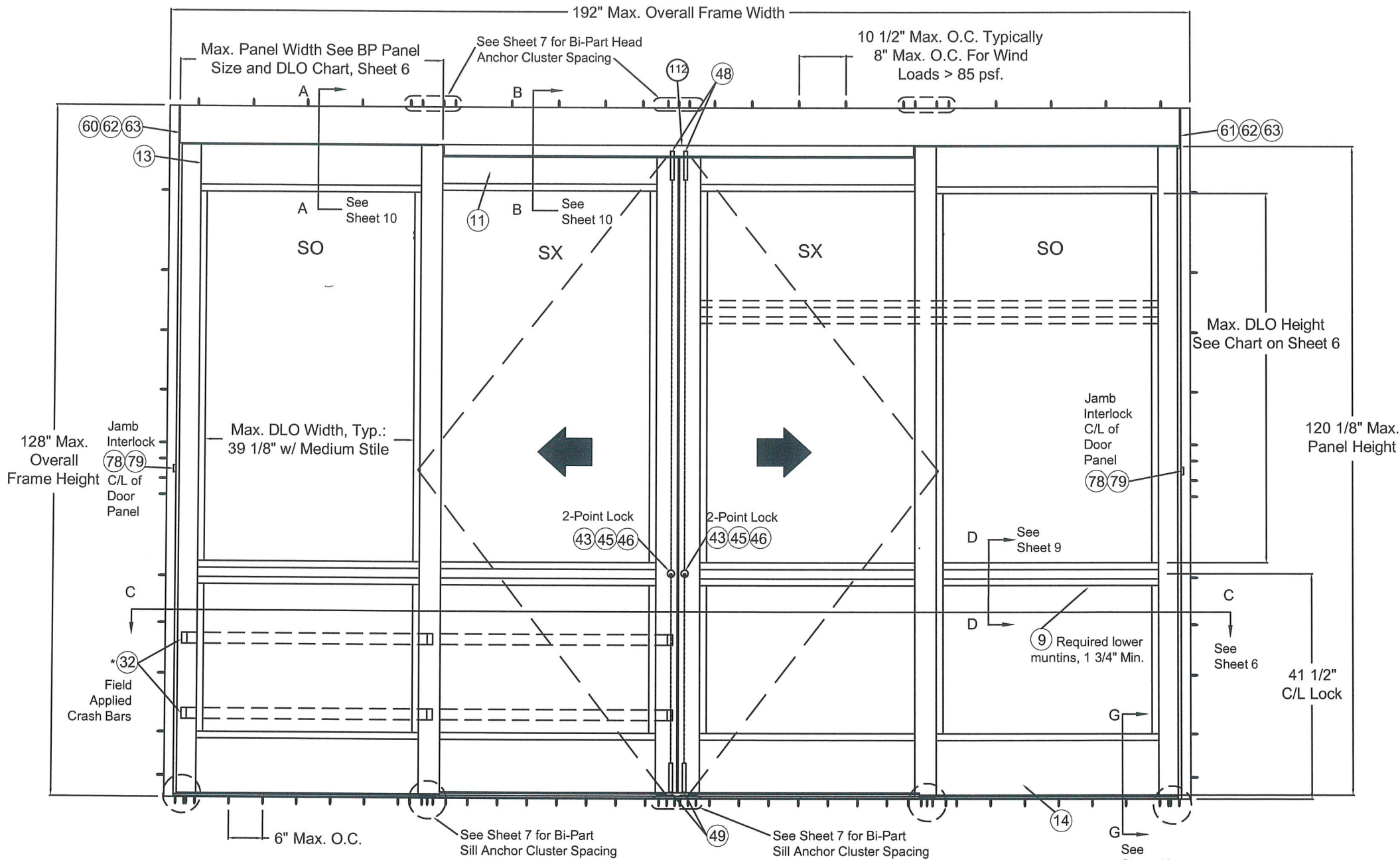
DWG NO. SL500-R128-HVHZ

DRAWN BY SJFDATE 12/16/2019

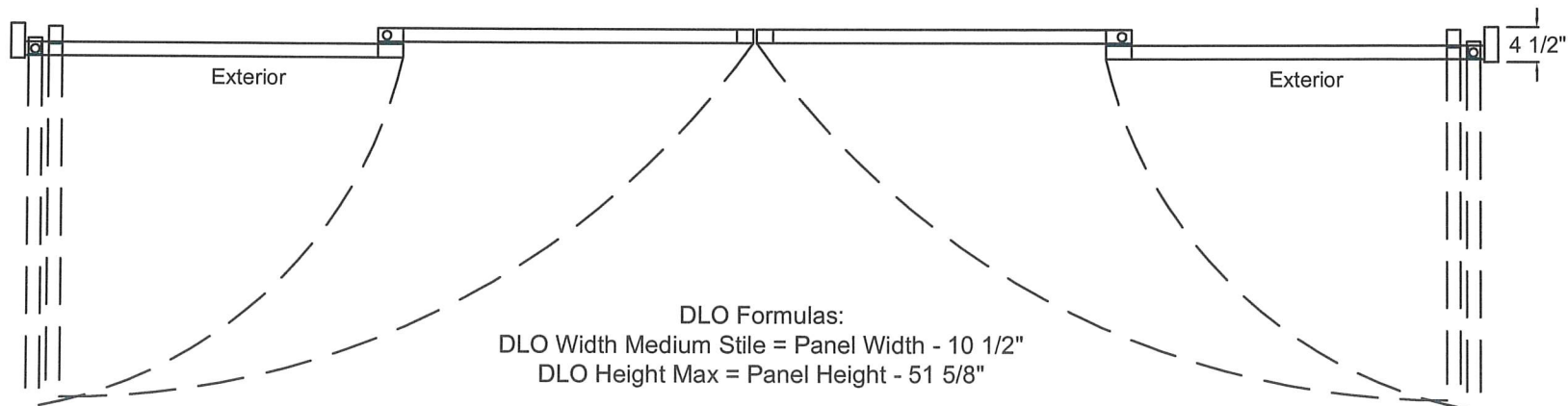
SHEET DESCRIPTIONSHEET NO. 1 OF 17

ASSA ABLOY

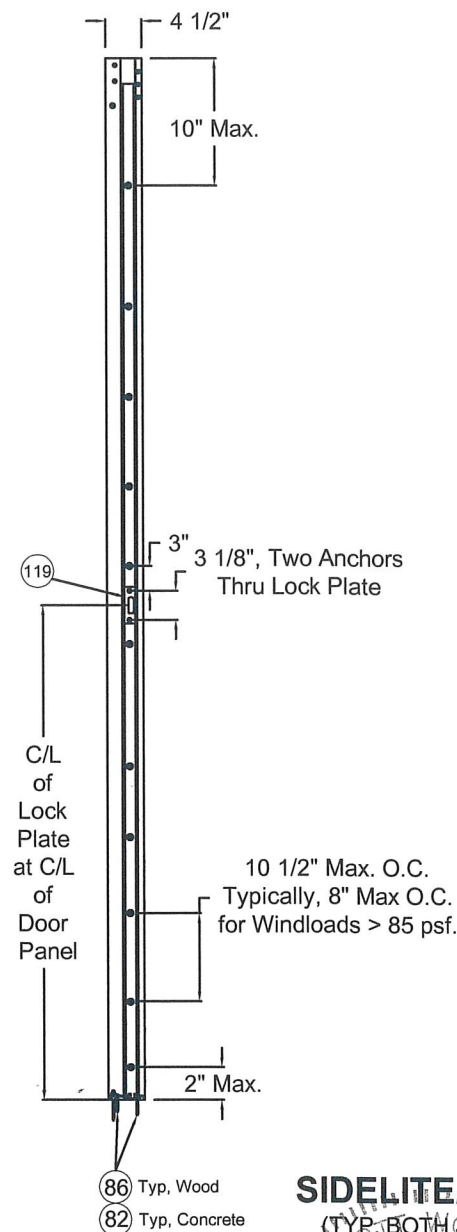
| Revisions |                 |          |          |
|-----------|-----------------|----------|----------|
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**BP FBO (4 Panels Bi-Part Full Breakout)**



DLO Formulas:  
DLO Width Medium Stile = Panel Width - 10 1/2"  
DLO Height Max = Panel Height - 51 5/8"



**SIDELITE JAMB**  
(TYP. BOTH JAMBS)

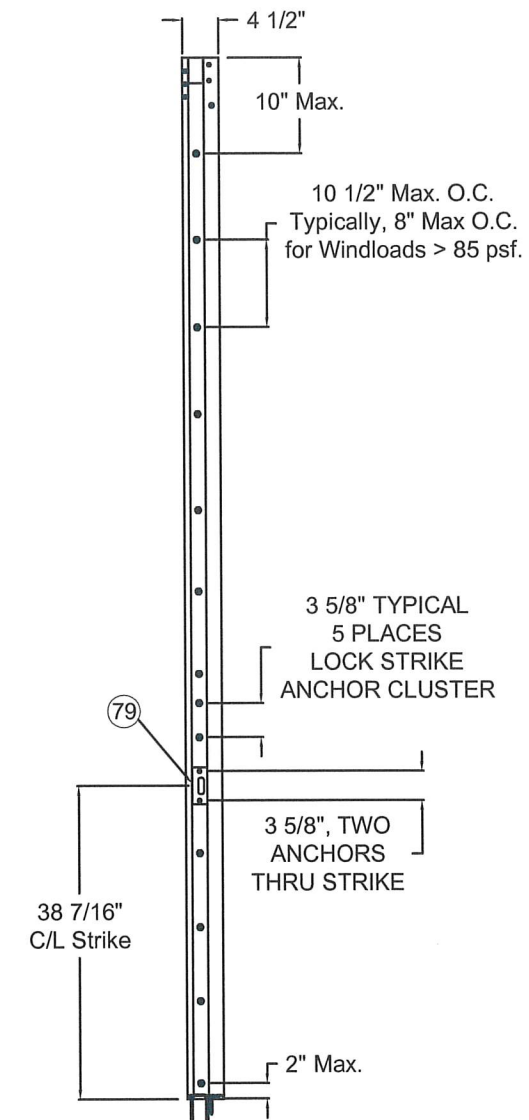
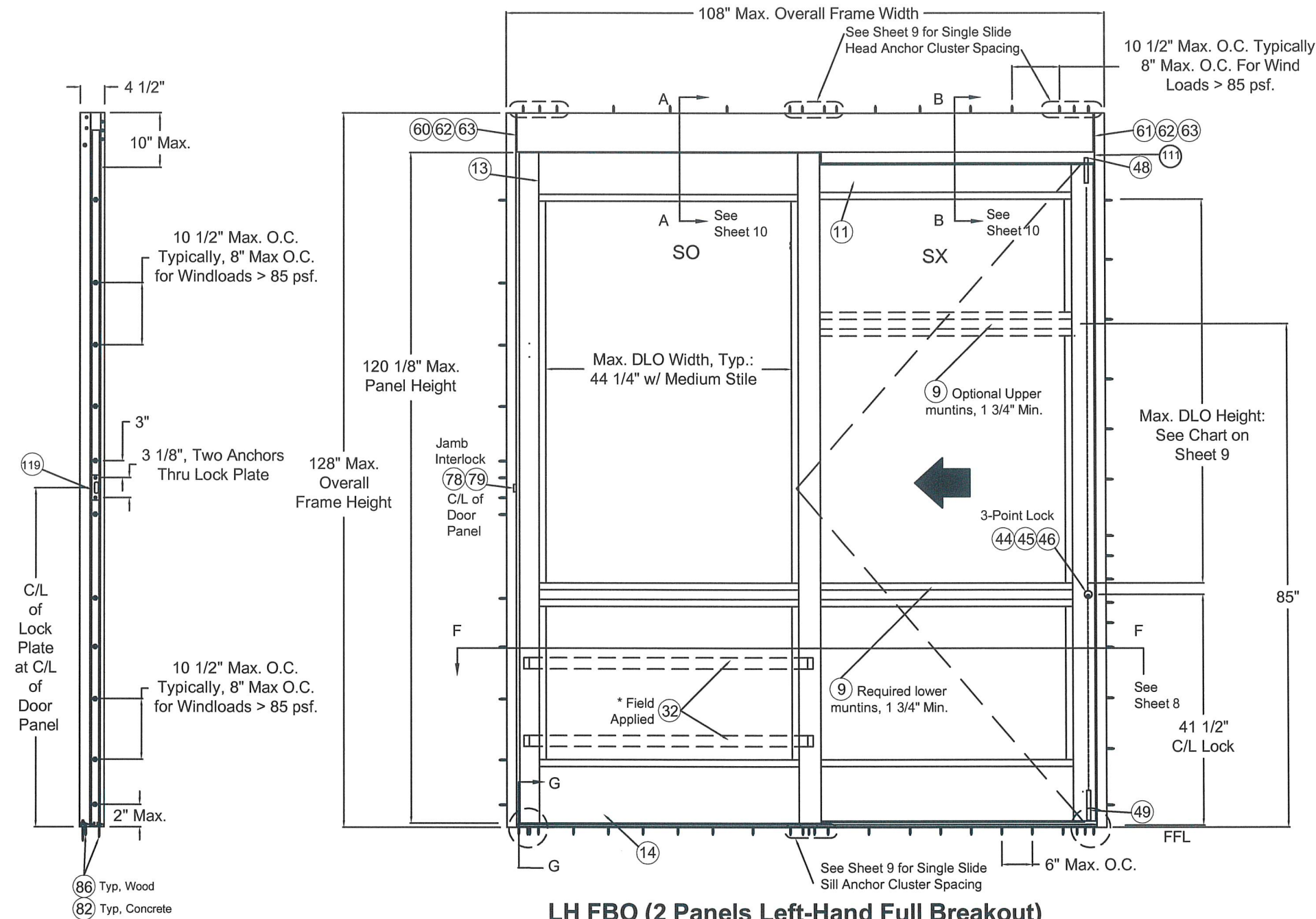
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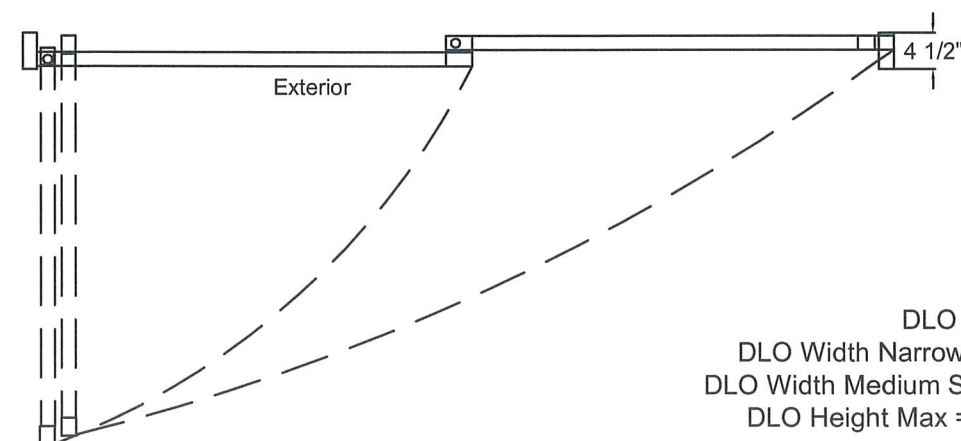
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|                   |                 |
|-------------------|-----------------|
| DWG NO.           | SL500-R128-HVHZ |
| DRAWN BY          | SJF             |
| DATE              | 12/16/2019      |
| SHEET DESCRIPTION |                 |
| SHEET NO.         | 2 OF 17         |

| Revisions |                 |          |          |
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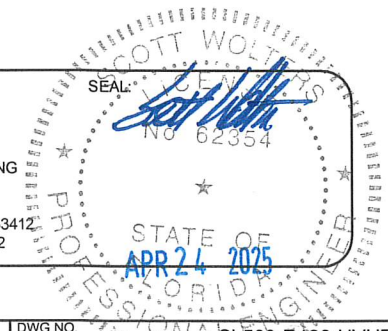
## ACTIVE JAMB



DLO Formulas:  
DLO Width Narrow Stile = Panel Width - 7"  
DLO Width Medium Stile = Panel Width - 10 1/2"  
DLO Height Max = Panel Height - 51 5/8"

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| DRAWN BY          | SJF | DATE 12/16/2019      |
| SHEET DESCRIPTION |     | SHEET NO.<br>3 OF 17 |

# ASSA ABLOY

Single Slide Design Pressures:

| ALLOWABLE PRESSURES FOR GLASS TYPE 1 (LMI LEVEL D)<br>SINGLE SLIDE - MEDIUM STILE WITH 3-POINT LOCK |                        |                        |       |                         |                        |                        |      | MAX DESIGN PRESSURE FOR GLASS TYPE 4 (NON-IMPACT)<br>SINGLE SLIDE - NARROW STILE WITH 3-POINT LOCK |                        |                                     |                         |                        |                                     | MAX DESIGN PRESSURE FOR GLASS TYPE 4 (NON-IMPACT)<br>SINGLE SLIDE - MEDIUM STILE WITH 3-POINT LOCK |                        |                                     |                         |                        |                                     |
|-----------------------------------------------------------------------------------------------------|------------------------|------------------------|-------|-------------------------|------------------------|------------------------|------|----------------------------------------------------------------------------------------------------|------------------------|-------------------------------------|-------------------------|------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------|------------------------|-------------------------------------|-------------------------|------------------------|-------------------------------------|
| FRAME<br>HEIGHT<br>(in)                                                                             | FRAME<br>WIDTH<br>(in) | MAX DESIGN<br>PRESSURE |       | FRAME<br>HEIGHT<br>(in) | FRAME<br>WIDTH<br>(in) | MAX DESIGN<br>PRESSURE |      | FRAME<br>HEIGHT<br>(in)                                                                            | FRAME<br>WIDTH<br>(in) | MAX DESIGN<br>PRESSURE<br>+/- (psf) | FRAME<br>HEIGHT<br>(in) | FRAME<br>WIDTH<br>(in) | MAX DESIGN<br>PRESSURE<br>+/- (psf) | FRAME<br>HEIGHT<br>(in)                                                                            | FRAME<br>WIDTH<br>(in) | MAX DESIGN<br>PRESSURE<br>+/- (psf) | FRAME<br>HEIGHT<br>(in) | FRAME<br>WIDTH<br>(in) | MAX DESIGN<br>PRESSURE<br>+/- (psf) |
|                                                                                                     |                        | +                      | -     |                         |                        | +                      | -    |                                                                                                    |                        |                                     |                         |                        |                                     |                                                                                                    |                        |                                     |                         |                        |                                     |
| 104                                                                                                 | 80                     | 114.8                  | 114.8 | 119                     | 80                     | 102.1                  | 93.7 | 104                                                                                                | 80                     | 114.8                               | 119                     | 80                     | 84.3                                | 104                                                                                                | 80                     | 116.3                               | 119                     | 80                     | 101.6                               |
| 104                                                                                                 | 84                     | 112.0                  | 112.0 | 119                     | 84                     | 97.2                   | 89.2 | 104                                                                                                | 84                     | 109.3                               | 119                     | 84                     | 82.3                                | 104                                                                                                | 84                     | 110.8                               | 119                     | 84                     | 96.8                                |
| 104                                                                                                 | 88                     | 104.3                  | 104.3 | 119                     | 88                     | 92.8                   | 85.1 | 104                                                                                                | 88                     | 104.3                               | 119                     | 88                     | 76.6                                | 104                                                                                                | 88                     | 105.7                               | 119                     | 88                     | 92.4                                |
| 104                                                                                                 | 92                     | 99.8                   | 99.8  | 119                     | 92                     | 88.8                   | 81.4 | 104                                                                                                | 92                     | 99.8                                | 119                     | 92                     | 73.3                                | 104                                                                                                | 92                     | 101.1                               | 119                     | 92                     | 88.4                                |
| 104                                                                                                 | 96                     | 95.6                   | 95.6  | 119                     | 96                     | 85.1                   | 78.0 | 104                                                                                                | 96                     | 95.6                                | 119                     | 96                     | 70.2                                | 104                                                                                                | 96                     | 96.9                                | 119                     | 96                     | 84.7                                |
| 104                                                                                                 | 100                    | 91.8                   | 91.8  | 119                     | 100                    | 81.7                   | 74.9 | 104                                                                                                | 100                    | 91.8                                | 119                     | 100                    | 67.4                                | 104                                                                                                | 100                    | 93.0                                | 119                     | 100                    | 81.3                                |
| 104                                                                                                 | 104                    | 88.3                   | 88.3  | 119                     | 104                    | 78.5                   | 72.0 | 104                                                                                                | 104                    | 88.3                                | 119                     | 104                    | 64.8                                | 104                                                                                                | 104                    | 89.5                                | 119                     | 104                    | 78.2                                |
| 104                                                                                                 | 108                    | 85.0                   | 85.0  | 119                     | 108                    | 75.6                   | 69.4 | 104                                                                                                | 108                    | 85.0                                | 119                     | 108                    | 62.4                                | 104                                                                                                | 108                    | 86.2                                | 119                     | 108                    | 75.3                                |
| 108                                                                                                 | 80                     | 111.4                  | 109.1 | 122                     | 80                     | 99.6                   | 89.4 | 108                                                                                                | 80                     | 106.6                               | 122                     | 80                     | 78.2                                | 108                                                                                                | 80                     | 112.0                               | 122                     | 80                     | 99.1                                |
| 108                                                                                                 | 84                     | 106.1                  | 103.9 | 122                     | 84                     | 94.8                   | 85.2 | 108                                                                                                | 84                     | 101.5                               | 122                     | 84                     | 74.5                                | 108                                                                                                | 84                     | 106.7                               | 122                     | 84                     | 94.4                                |
| 108                                                                                                 | 88                     | 101.3                  | 99.2  | 122                     | 88                     | 90.5                   | 81.3 | 108                                                                                                | 88                     | 96.9                                | 122                     | 88                     | 71.1                                | 108                                                                                                | 88                     | 101.8                               | 122                     | 88                     | 90.1                                |
| 108                                                                                                 | 92                     | 96.8                   | 94.9  | 122                     | 92                     | 86.6                   | 77.8 | 108                                                                                                | 92                     | 92.7                                | 122                     | 92                     | 68.0                                | 108                                                                                                | 92                     | 97.4                                | 122                     | 92                     | 86.2                                |
| 108                                                                                                 | 96                     | 92.8                   | 90.9  | 122                     | 96                     | 83.0                   | 74.5 | 108                                                                                                | 96                     | 88.9                                | 122                     | 96                     | 65.2                                | 108                                                                                                | 96                     | 93.3                                | 122                     | 96                     | 82.6                                |
| 108                                                                                                 | 100                    | 89.1                   | 87.3  | 122                     | 100                    | 79.7                   | 71.6 | 108                                                                                                | 100                    | 85.3                                | 122                     | 100                    | 62.6                                | 108                                                                                                | 100                    | 89.6                                | 122                     | 100                    | 79.3                                |
| 108                                                                                                 | 104                    | 85.7                   | 83.9  | 122                     | 104                    | 76.6                   | 68.8 | 108                                                                                                | 104                    | 82.0                                | 122                     | 104                    | 60.1                                | 108                                                                                                | 104                    | 86.2                                | 122                     | 104                    | 76.3                                |
| 108                                                                                                 | 108                    | 82.5                   | 80.8  | 122                     | 108                    | 73.8                   | 66.3 | 108                                                                                                | 108                    | 79.0                                | 122                     | 108                    | 57.9                                | 108                                                                                                | 108                    | 83.0                                | 122                     | 108                    | 73.4                                |
| 112                                                                                                 | 80                     | 108.0                  | 103.5 | 125                     | 80                     | 97.0                   | 85.2 | 112                                                                                                | 80                     | 98.5                                | 125                     | 80                     | 72.1                                | 112                                                                                                | 80                     | 108.0                               | 125                     | 80                     | 96.8                                |
| 112                                                                                                 | 84                     | 102.9                  | 98.6  | 125                     | 84                     | 92.4                   | 81.2 | 112                                                                                                | 84                     | 93.8                                | 125                     | 84                     | 68.7                                | 112                                                                                                | 84                     | 102.9                               | 125                     | 84                     | 92.2                                |
| 112                                                                                                 | 88                     | 98.2                   | 94.1  | 125                     | 88                     | 88.2                   | 77.5 | 112                                                                                                | 88                     | 89.5                                | 125                     | 88                     | 65.5                                | 112                                                                                                | 88                     | 98.2                                | 125                     | 88                     | 88.0                                |
| 112                                                                                                 | 92                     | 93.9                   | 90.0  | 125                     | 92                     | 84.4                   | 74.1 | 112                                                                                                | 92                     | 85.6                                | 125                     | 92                     | 62.7                                | 112                                                                                                | 92                     | 93.9                                | 125                     | 92                     | 84.1                                |
| 112                                                                                                 | 96                     | 90.0                   | 86.3  | 125                     | 96                     | 80.9                   | 71.0 | 112                                                                                                | 96                     | 82.1                                | 125                     | 96                     | 60.1                                | 112                                                                                                | 96                     | 90.0                                | 125                     | 96                     | 80.6                                |
| 112                                                                                                 | 100                    | 86.4                   | 82.8  | 125                     | 100                    | 77.6                   | 68.2 | 112                                                                                                | 100                    | 78.8                                | 125                     | 100                    | 57.7                                | 112                                                                                                | 100                    | 86.4                                | 125                     | 100                    | 77.4                                |
| 112                                                                                                 | 104                    | 83.1                   | 79.6  | 125                     | 104                    | 74.6                   | 65.6 | 112                                                                                                | 104                    | 75.8                                | 125                     | 104                    | 55.5                                | 112                                                                                                | 104                    | 83.1                                | 125                     | 104                    | 74.4                                |
| 112                                                                                                 | 108                    | 80.0                   | 76.7  | 125                     | 108                    | 71.9                   | 63.1 | 112                                                                                                | 108                    | 73.0                                | 125                     | 108                    | 53.4                                | 112                                                                                                | 108                    | 80.0                                | 125                     | 108                    | 71.7                                |
| 116                                                                                                 | 80                     | 104.6                  | 97.9  | 128                     | 80                     | 70.0                   | 60.0 | 116                                                                                                | 80                     | 90.4                                | 128                     | 80                     | 66.0                                | 116                                                                                                | 80                     | 104.3                               | 128                     | 80                     | 94.5                                |
| 116                                                                                                 | 84                     | 99.6                   | 93.2  | 128                     | 84                     | 70.0                   | 60.0 | 116                                                                                                | 84                     | 86.1                                | 128                     | 84                     | 62.9                                | 116                                                                                                | 84                     | 99.3                                | 128                     | 84                     | 90.0                                |
| 116                                                                                                 | 88                     | 95.1                   | 89.0  | 128                     | 88                     | 70.0                   | 60.0 | 116                                                                                                | 88                     | 82.2                                | 128                     | 88                     | 60.0                                | 116                                                                                                | 88                     | 94.8                                | 128                     | 88                     | 85.9                                |
| 116                                                                                                 | 92                     | 91.0                   | 85.1  | 128                     | 92                     | 70.0                   | 60.0 | 116                                                                                                | 92                     | 78.6                                | 128                     | 92                     | 57.4                                | 116                                                                                                | 92                     | 90.7                                | 128                     | 92                     | 82.2                                |
| 116                                                                                                 | 96                     | 87.2                   | 81.6  | 128                     | 96                     | 70.0                   | 60.0 | 116                                                                                                | 96                     | 75.3                                | 128                     | 96                     | 55.0                                | 116                                                                                                | 96                     | 86.9                                | 128                     | 96                     | 78.8                                |
| 116                                                                                                 | 100                    | 83.7                   | 78.3  | 128                     | 100                    | 70.0                   | 60.0 | 116                                                                                                | 100                    | 72.3                                | 128                     | 100                    | 52.8                                | 116                                                                                                | 100                    | 83.4                                | 128                     | 100                    | 75.6                                |
| 116                                                                                                 | 104                    | 80.5                   | 75.3  | 128                     | 104                    | 70.0                   | 60.0 | 116                                                                                                | 104                    | 69.5                                | 128                     | 104                    | 50.8                                | 116                                                                                                | 104                    | 80.2                                | 128                     | 104                    | 72.7                                |
| 116                                                                                                 | 108                    | 77.5                   | 72.5  | 128                     | 108                    | 70.0                   | 60.0 | 116                                                                                                | 108                    | 66.9                                | 128                     | 108                    | 48.9                                | 116                                                                                                | 108                    | 77.2                                | 128                     | 108                    | 70.0                                |

Bi-Parting Design Pressures:

| MAX DESIGN PRESSURE FOR GLASS TYPE 1 (LMI LEVEL D)<br>BI-PARTING - MEDIUM STILE WITH 4-POINT LOCK |                        |                                   |                         |                        |                                     | MAX DESIGN PRESSURE FOR GLASS TYPE 4 (NON-IMPACT)<br>BI-PARTING - NARROW OR MEDIUM STILE WITH 4-POINT LOCK |                        |                                     |                         |                        |                                     |
|---------------------------------------------------------------------------------------------------|------------------------|-----------------------------------|-------------------------|------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------|-------------------------|------------------------|-------------------------------------|
| FRAME<br>HEIGHT<br>(in)                                                                           | FRAME<br>WIDTH<br>(in) | MAX DESIGN<br>PRESSURE<br>+ (psf) | FRAME<br>HEIGHT<br>(in) | FRAME<br>WIDTH<br>(in) | MAX DESIGN<br>PRESSURE<br>+/- (psf) | FRAME<br>HEIGHT<br>(in)                                                                                    | FRAME<br>WIDTH<br>(in) | MAX DESIGN<br>PRESSURE<br>+/- (psf) | FRAME<br>HEIGHT<br>(in) | FRAME<br>WIDTH<br>(in) | MAX DESIGN<br>PRESSURE<br>+/- (psf) |
|                                                                                                   |                        |                                   |                         |                        |                                     |                                                                                                            |                        |                                     |                         |                        |                                     |
| 104                                                                                               | 120                    | 99.5                              | 119                     | 120                    | 87.8                                | 104                                                                                                        | 120                    | 112.0                               | 119                     | 120                    | 97.0                                |
| 104                                                                                               | 132                    | 96.3                              | 119                     | 132                    | 84.5                                | 104                                                                                                        | 132                    | 101.8                               | 119                     | 132                    | 88.2                                |
| 104                                                                                               | 144                    | 93.0                              | 119                     | 144                    | 81.0                                | 104                                                                                                        | 144                    | 93.3                                | 119                     | 144                    | 80.8                                |
| 104                                                                                               | 156                    | 89.8                              | 119                     | 156                    | 77.7                                | 104                                                                                                        | 156                    | 86.2                                | 119                     | 156                    | 74.6                                |
| 104                                                                                               | 168                    | 86.5                              | 119                     | 168                    | 74.3                                | 104                                                                                                        | 168                    | 80.0                                | 119                     | 168                    | 69.3                                |
| 104                                                                                               | 180                    | 83.3                              | 119                     | 180                    | 70.9                                | 104                                                                                                        | 180                    | 74.7                                | 119                     | 180                    | 64.7                                |
| 104                                                                                               | 192                    | 80.0                              | 119                     | 192                    | 67.5                                | 104                                                                                                        | 192                    | 70.0                                | 119                     | 192                    | 60.6                                |
| 108                                                                                               | 120                    | 96.4                              | 122                     | 120                    | 85.5                                | 108                                                                                                        | 120                    | 108.0                               | 122                     | 120                    | 94.0                                |
| 108                                                                                               | 132                    | 93.1                              | 122                     | 132                    | 82.1                                | 108                                                                                                        | 132                    | 98.2                                | 122                     | 132                    | 85.5                                |
| 108                                                                                               | 144                    | 89.8                              | 122                     | 144                    | 78.7                                | 108                                                                                                        | 144                    | 90.0                                | 122                     | 144                    | 78.3                                |
| 108                                                                                               | 156                    | 86.6                              | 122                     | 156                    | 75.2                                | 108                                                                                                        | 156                    | 83.1                                | 122                     | 156                    | 72.3                                |
| 108                                                                                               | 168                    | 83.3                              | 122                     | 168                    | 71.8                                | 108                                                                                                        | 168                    | 77.1                                | 122                     | 168                    | 67.1                                |
| 108                                                                                               | 180                    | 80.0                              | 122                     | 180                    | 68.4                                | 108                                                                                                        | 180                    | 72.0                                | 122                     | 180                    | 62.7                                |
| 108                                                                                               | 192                    | 76.7                              | 122                     | 192                    | 65.0                                | 108                                                                                                        | 192                    | 67.5                                | 122                     | 192                    | 58.8                                |
| 112                                                                                               | 120                    | 93.3                              | 125                     | 120                    | 83.1                                | 112                                                                                                        | 120                    | 104.0                               | 125                     | 120                    | 91.0                                |
| 112                                                                                               | 132                    | 91.1                              | 125                     | 132                    | 79.7                                | 112                                                                                                        | 132                    | 94.5                                | 125                     | 132                    | 82.7                                |
| 112                                                                                               | 144                    | 88.9                              | 125                     | 144                    | 76.2                                | 112                                                                                                        | 144                    | 86.7                                | 125                     | 144                    | 75.8                                |
| 112                                                                                               | 156                    | 86.7                              | 125                     | 156                    | 72.8                                | 112                                                                                                        | 156                    | 80.0                                | 125                     | 156                    | 70.0                                |
| 112                                                                                               | 168                    | 84.6                              | 125                     | 168                    | 69.4                                | 112                                                                                                        | 168                    | 74.3                                | 125                     | 168                    | 65.0                                |
| 112                                                                                               | 180                    | 82.4                              | 125                     | 180                    | 65.9                                | 112                                                                                                        | 180                    | 69.3                                | 125                     | 180                    | 60.7                                |
| 112                                                                                               | 192                    | 80.2                              | 125                     | 192                    | 62.5                                | 112                                                                                                        | 192                    | 65.0                                | 125                     | 192                    | 56.9                                |
| 116                                                                                               | 120                    | 90.2                              | 128                     | 120                    | 60.0                                | 116                                                                                                        | 120                    | 100.0                               | 128                     | 120                    | 88.0                                |
| 116                                                                                               | 132                    | 86.8                              | 128                     | 132                    | 60.0                                | 116                                                                                                        | 132                    | 90.9                                | 128                     | 132                    | 80.0                                |
| 116                                                                                               | 144                    | 83.5                              | 128                     | 144                    | 60.0                                | 116                                                                                                        | 144                    | 83.3                                | 128                     | 144                    | 73.3                                |
| 116                                                                                               | 156                    | 80.1                              | 128                     | 156                    | 60.0                                | 116                                                                                                        | 156                    | 76.9                                | 128                     | 156                    | 67.7                                |
| 116                                                                                               | 168                    | 76.7                              | 128                     | 168                    | 60.0                                | 116                                                                                                        | 168                    | 71.4                                | 128                     | 168                    | 62.9                                |
| 116                                                                                               | 180                    | 73.4                              | 128                     | 180                    | 60.0                                | 116                                                                                                        | 180                    | 66.7                                | 128                     | 180                    | 58.7                                |
| 116                                                                                               | 192                    | 70.0                              | 128                     | 192                    | 60.0                                | 116                                                                                                        | 192                    | 62.5                                | 128                     | 192                    | 55.0                                |

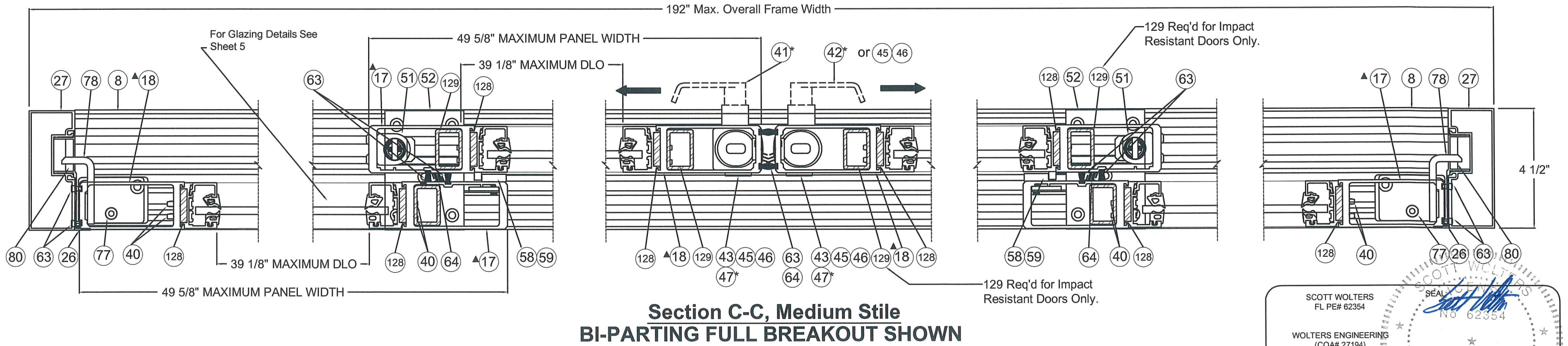
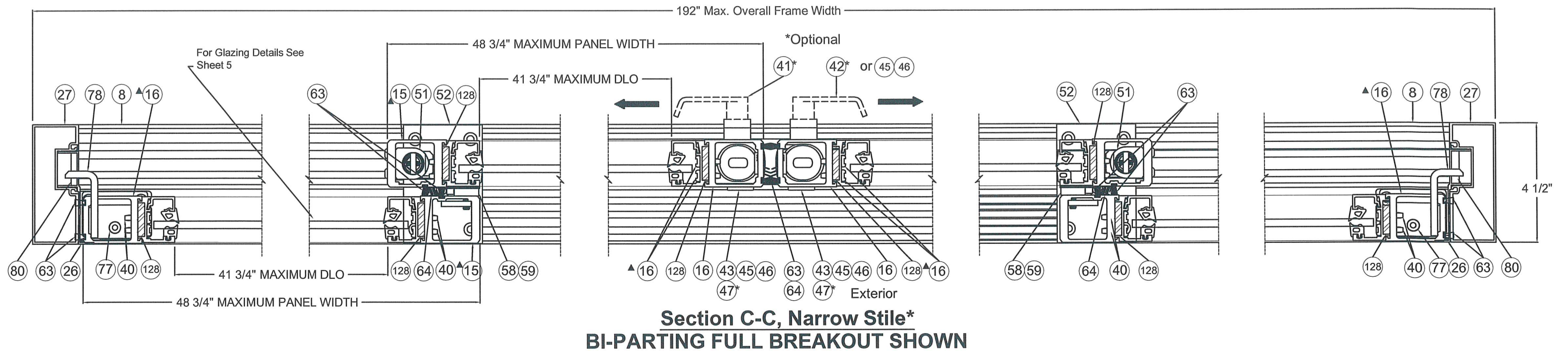
SCOTT WOLTERS  
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(COA# 27194)  
15211 97TH ROAD N  
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STATE OF FLORIDA  
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| Revisions |                 |          |          |
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| Rev       | Description     | Date     | Approved |
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| 1         | Revision        | 4/24/25  | SJF      |

# ASSA ABLOY



| BP Panel Size and Daylight Opening Chart |                     |                    |
|------------------------------------------|---------------------|--------------------|
| Door Stile                               | Maximum Panel Width | Maximum DLO Width  |
| Narrow*                                  | 48 3/4"             | 41 3/4"            |
| Medium                                   | 49 5/8"             | 39 1/8"            |
| Lower Muntin                             |                     | Maximum DLO Height |
| 1-3/4"                                   |                     | 68 1/2"            |

\* NARROW STILES ARE APPROVED FOR NON-IMPACT RESISTANT APPLICATIONS ONLY.

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DWG NO: SL500-R128-HVHZ

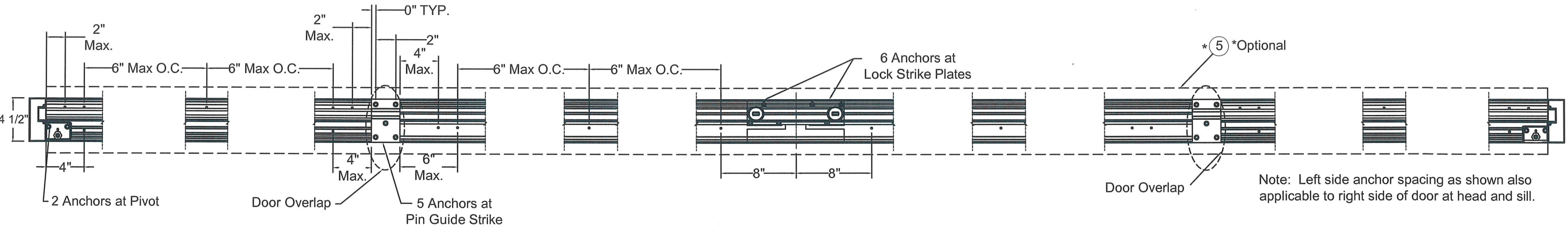
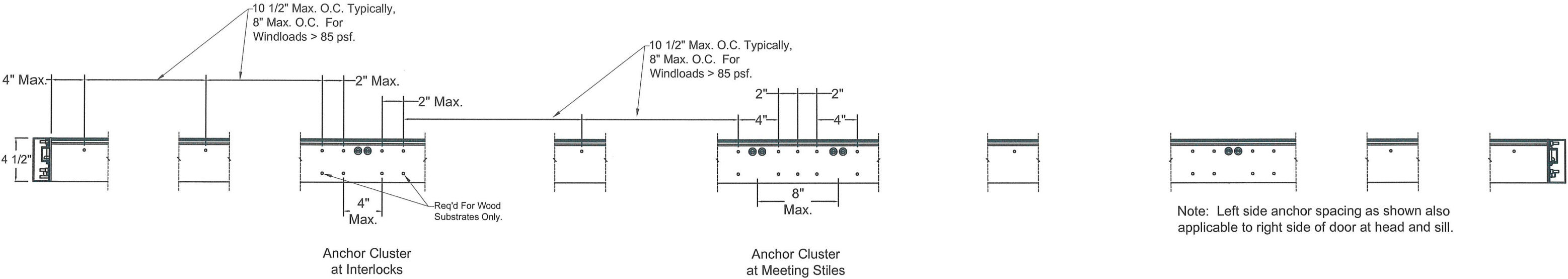
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SHEET DESCRIPTION: SHEET NO. 6 OF 17

ASSA ABLOY

| Revisions |                 |          |          |
|-----------|-----------------|----------|----------|
| Rev       | Description     | Date     | Approved |
| 0         | Initial Release | 12/16/19 | SJF      |
| 1         | Revision        | 4/24/25  | SJF      |

BI-PART HEAD ANCHOR LOCATIONS



BI-PART SILL ANCHOR LOCATIONS

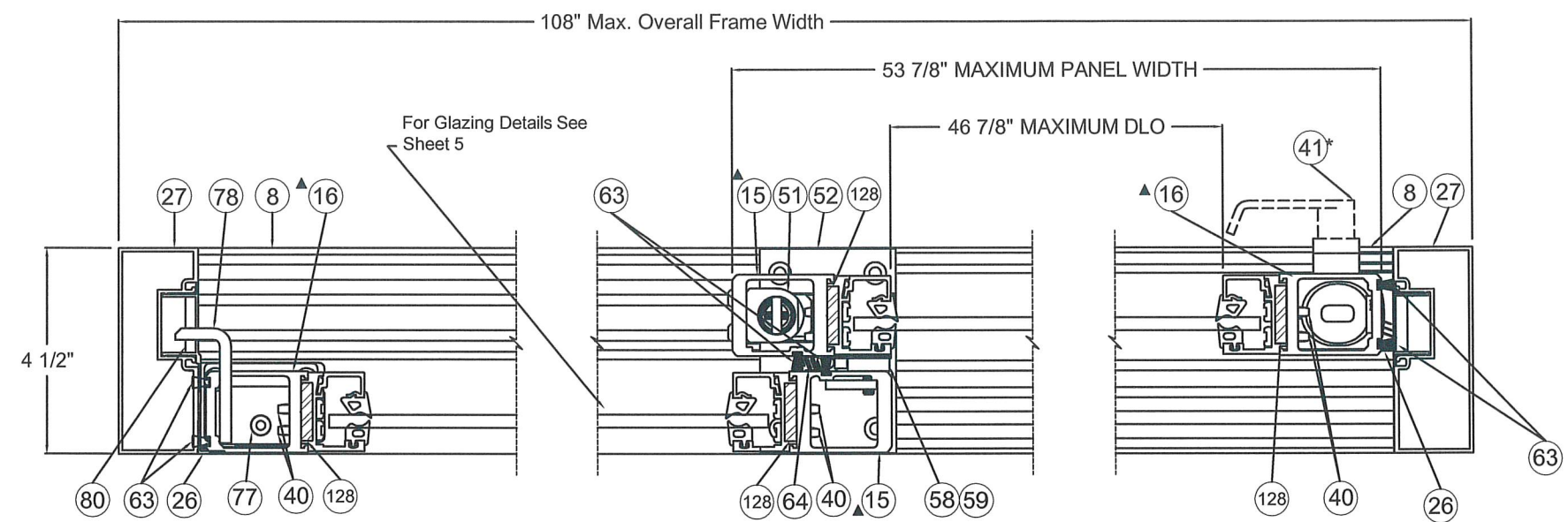
| BP Panel Size and Daylight Opening Chart |                     |                    |
|------------------------------------------|---------------------|--------------------|
| Door Stile                               | Maximum Panel Width | Maximum DLO Width  |
| Medium                                   | 49 5/8"             | 39 1/8"            |
| Lower Muntin                             |                     | Maximum DLO Height |
| 1-3/4"                                   |                     | 68 1/2"            |

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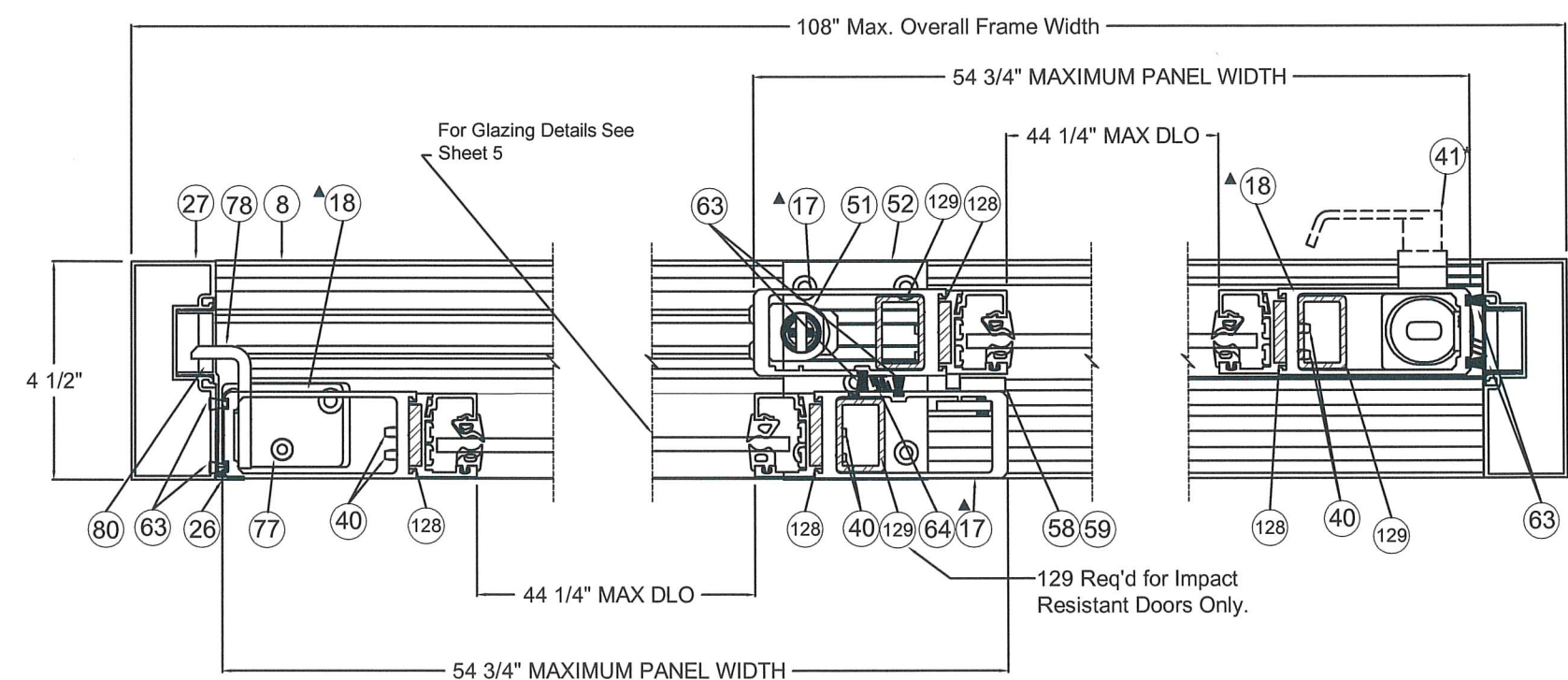
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| DATE              | 12/16/2019           |
| SHEET DESCRIPTION | SHEET NO.<br>7 OF 17 |
| ASSA ABLOY        |                      |



Section F-F, Narrow\* Stile  
SINGLE SLIDE FULL BREAKOUT SHOWN



Section F-F, Medium Stile  
SINGLE SLIDE FULL BREAKOUT SHOWN

| Single Slide Panel Size and Daylight Opening Chart |                     |                    |
|----------------------------------------------------|---------------------|--------------------|
| Door Stile                                         | Maximum Panel Width | Maximum DLO Width  |
| Narrow*                                            | 53 7/8"             | 46 7/8"            |
| Medium                                             | 54 3/4"             | 44 1/4"            |
| Lower Muntin                                       |                     | Maximum DLO Height |
| 1-3/4"                                             |                     | 68 1/2"            |

\* NARROW STILES ARE APPROVED FOR NON-IMPACT RESISTANT APPLICATIONS ONLY.

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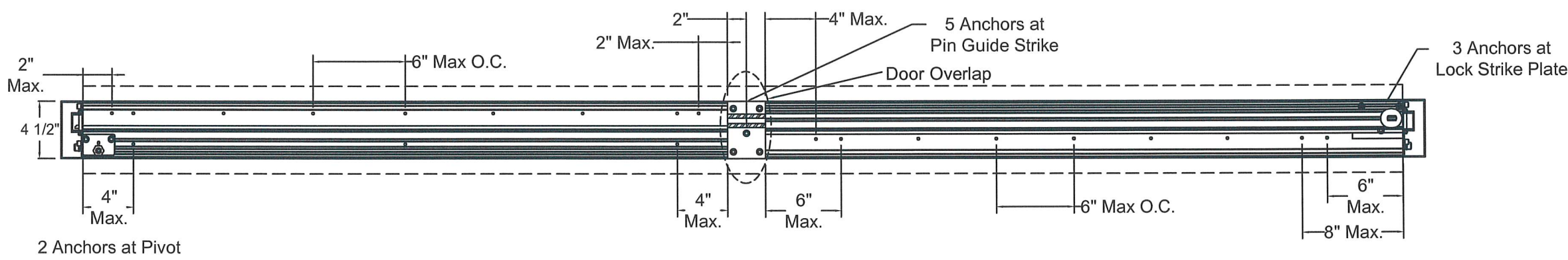
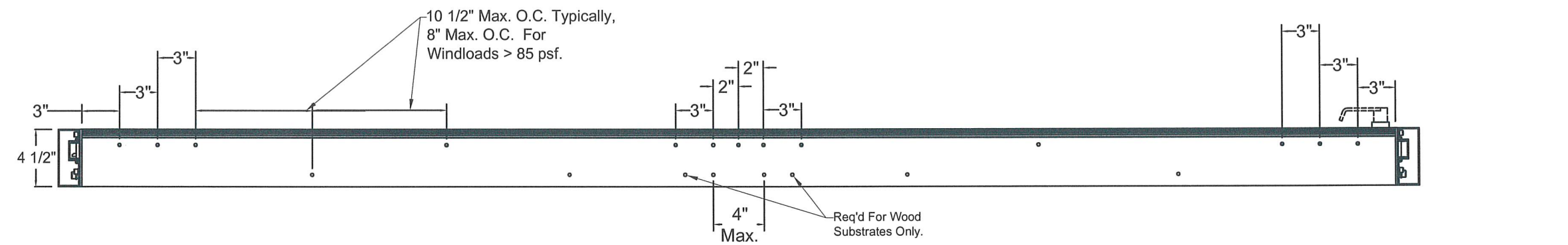
DWG NO. SL500-R128-HVHZ

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SHEET DESCRIPTION SHEET NO. 8 OF 17

ASSA ABLOY

SINGLE-SLIDE HEAD ANCHOR LOCATIONS



SINGLE-SLIDE SILL ANCHOR LOCATIONS

| BP Panel Size and Daylight Opening Chart |                     |                    |
|------------------------------------------|---------------------|--------------------|
| Door Stile                               | Maximum Panel Width | Maximum DLO Width  |
| Medium                                   | 54 3/4"             | 44 1/4"            |
| Lower Muntin                             |                     | Maximum DLO Height |
| 1-3/4"                                   |                     | 68 1/2"            |

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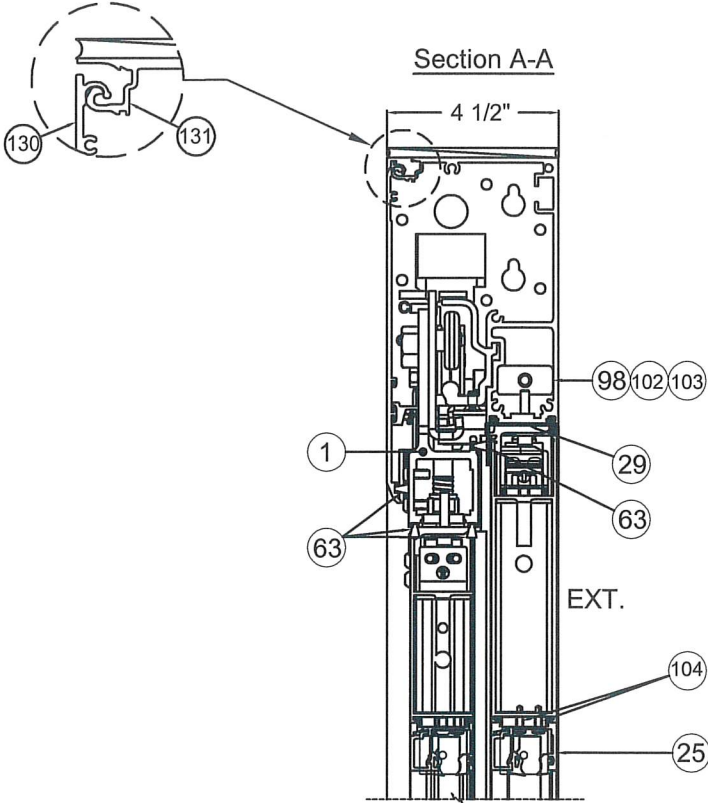
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| DRAWN BY          | SJF               |
| DATE              | 12/16/2019        |
| SHEET DESCRIPTION | SHEET NO. 9 OF 17 |

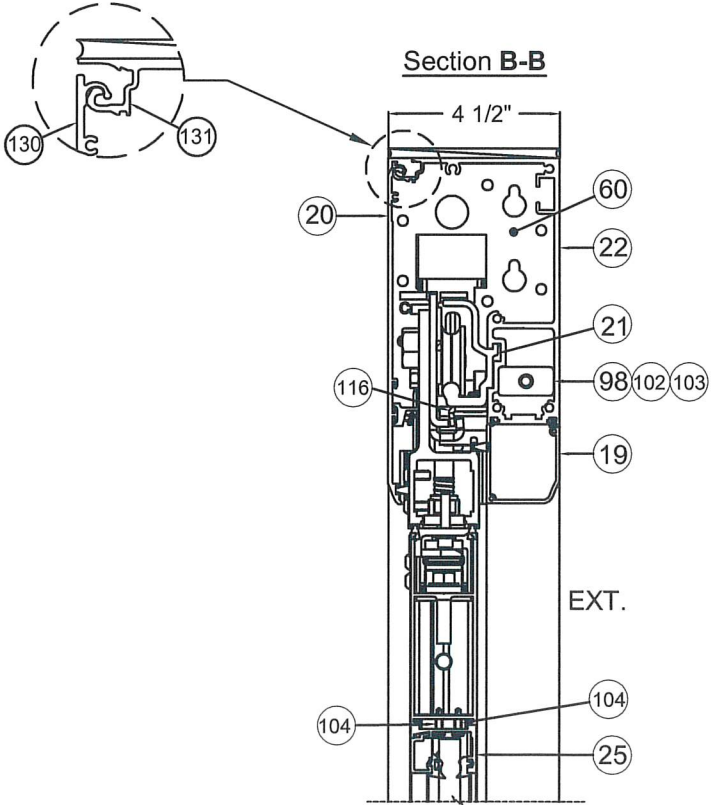
ASSA ABLOY

| Revisions |                 |          |          |
|-----------|-----------------|----------|----------|
| Rev       | Description     | Date     | Approved |
| 0         | Initial Release | 12/16/19 | SJF      |
| 1         | Revision        | 4/24/25  | SJF      |

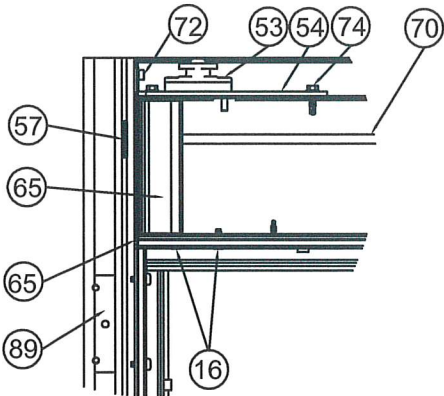
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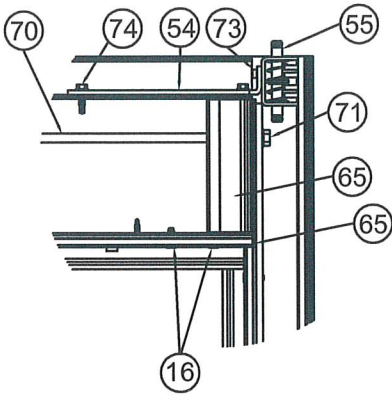
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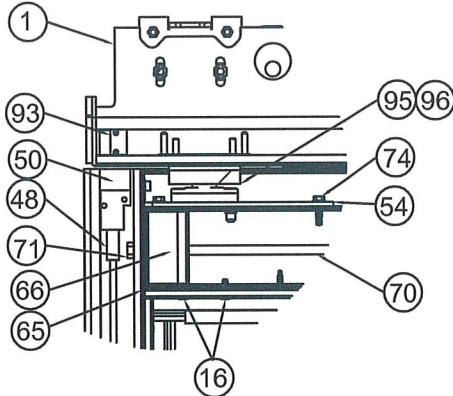
Sidelite Top Corner- Lead Side



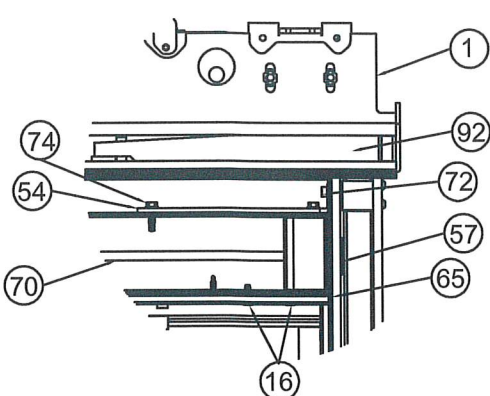
Sidelite Top Corner- Pivot Side



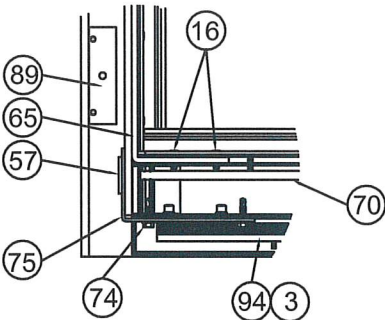
Active Leaf Top Corner- Lead Side



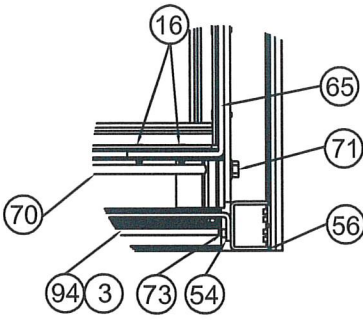
Active Leaf Top Corner-Pivot Side



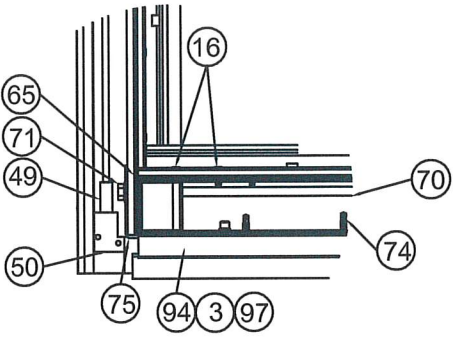
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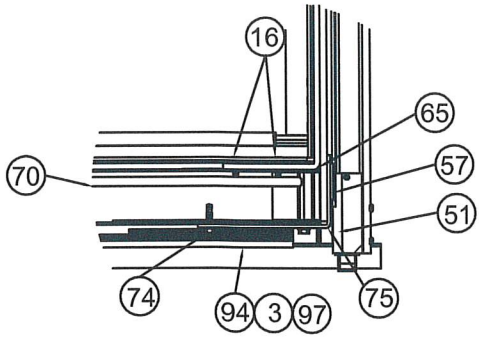
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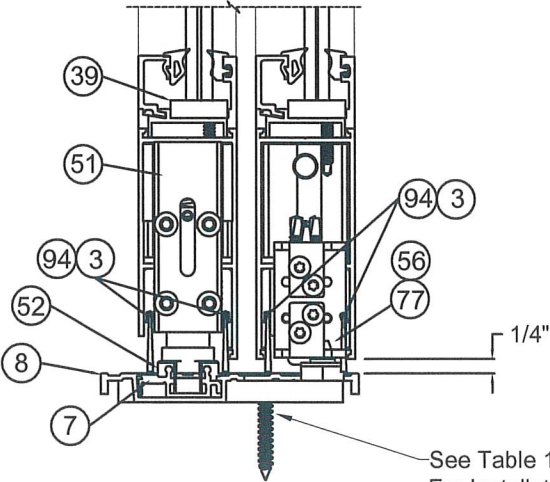
Active Leaf Bottom Corner- Lead Side



Active Leaf Bottom Corner-Pivot Side



Section G-G



See Table 1 on Sheet 13  
For Installation Anchor Info.

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FL PE# 62354

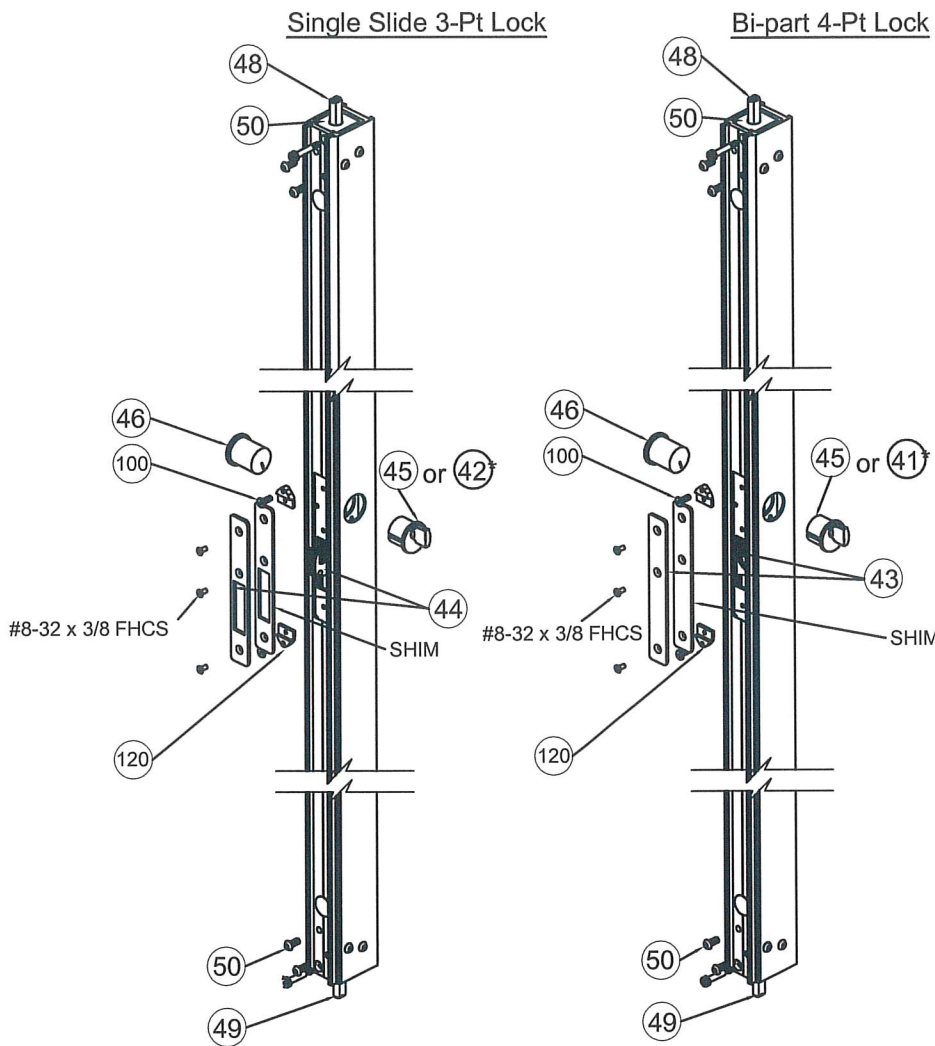
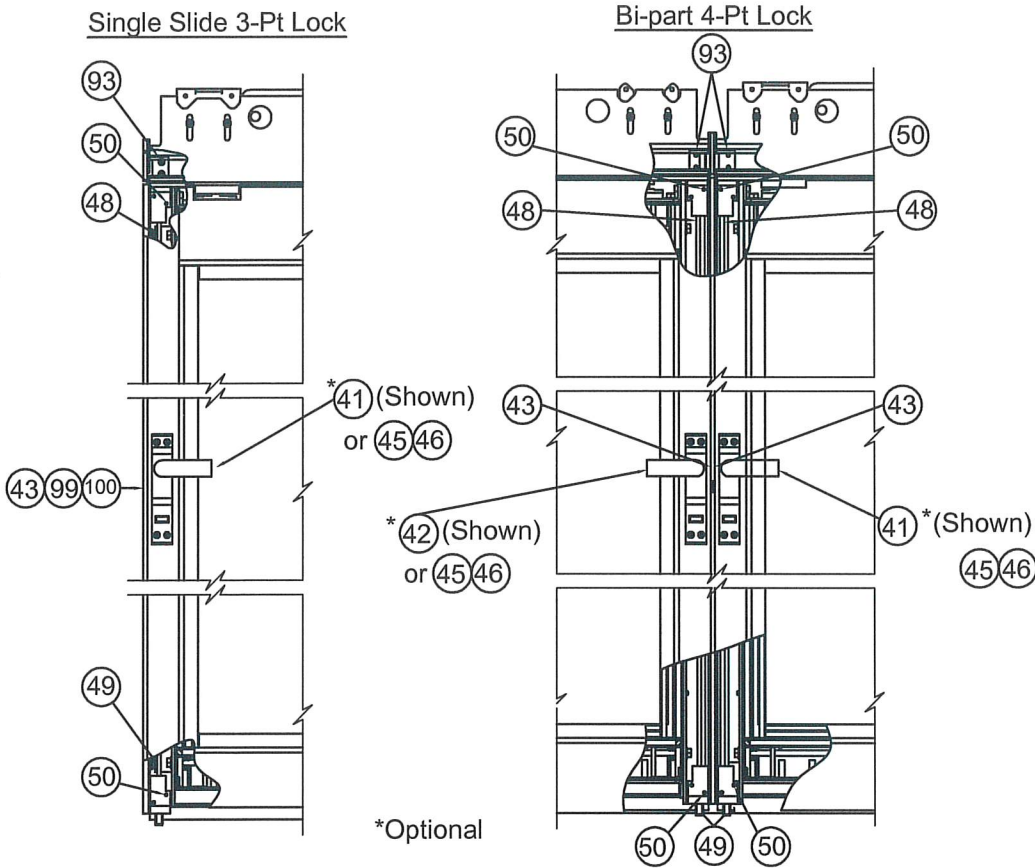
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SEAL: [Signature]  
No 62354

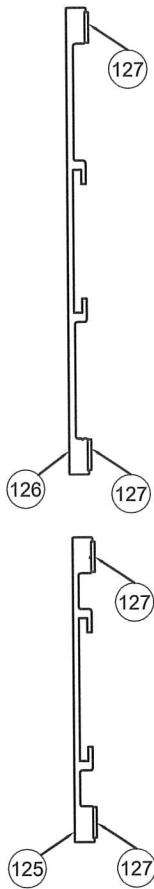
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| DWG NO.           | SL500-R128-HVHZ |      |                       |
| DRAWN BY          | SJF             | DATE | 12/16/2019            |
| SHEET DESCRIPTION |                 |      | SHEET NO.<br>10 OF 17 |

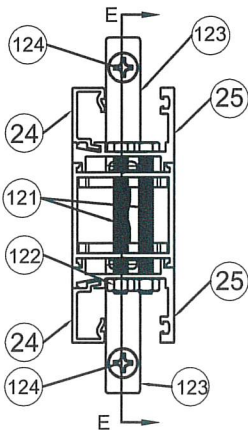
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|-----------|-----------------|----------|----------|
| Rev       | Description     | Date     | Approved |
| 0         | Initial Release | 12/16/19 | SJF      |
| 1         | Revision        | 4/24/25  | SJF      |



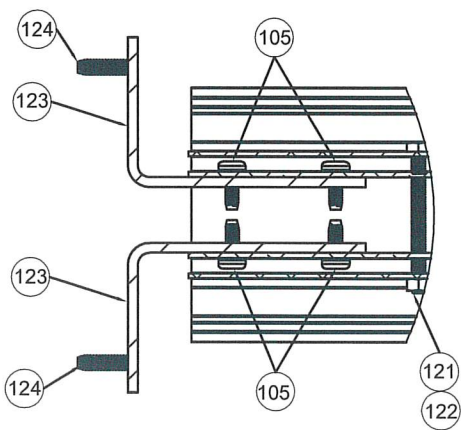
Section E-E  
SURFACE APPLIED  
MUNTIN



Section D-D  
TRUE DIVIDED  
MUNTIN

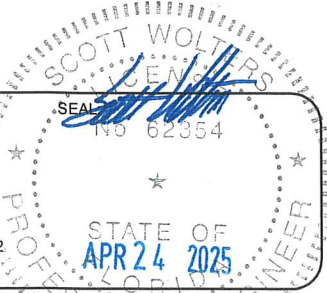


Section E-E  
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MUNTIN



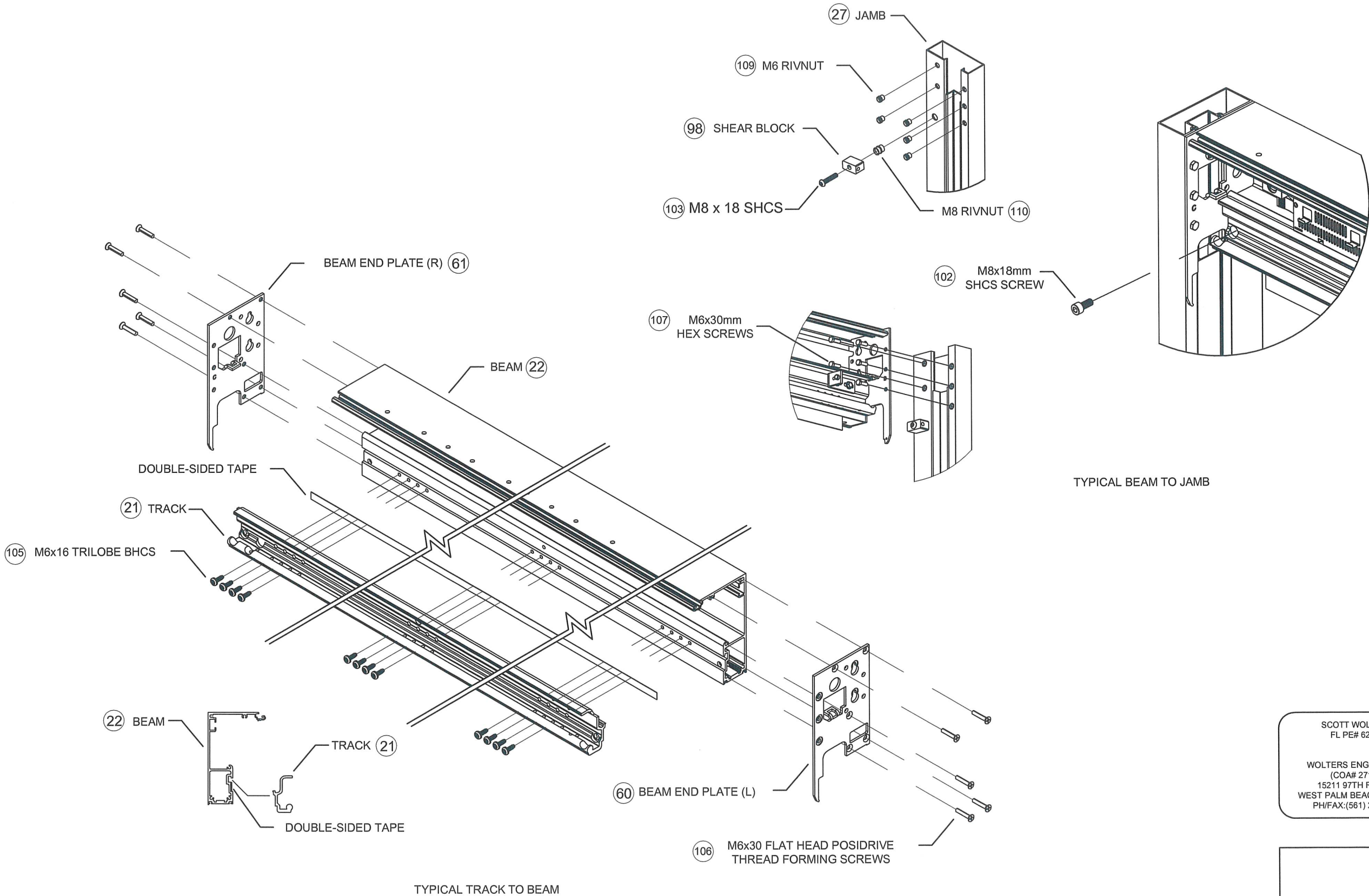
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| DATE              | 12/16/2019            |
| SHEET DESCRIPTION | SHEET NO.<br>11 OF 17 |

| Revisions |                 |          |          |
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| Rev       | Description     | Date     | Approved |
| 0         | Initial Release | 12/16/19 | SJF      |
| 1         | Revision        | 4/24/25  | SJF      |



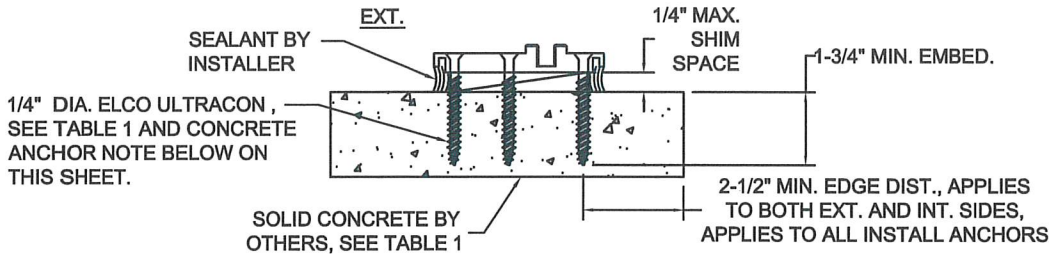
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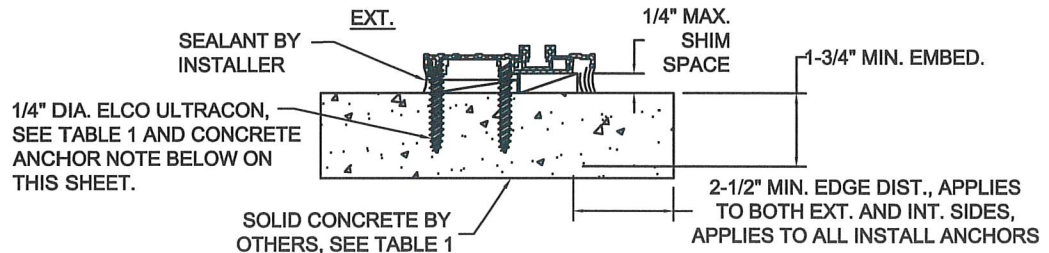
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| DWG NO.           | SL500-R128-HVHZ       |
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| DATE              | 12/16/2019            |
| SHEET DESCRIPTION | SHEET NO.<br>12 OF 17 |

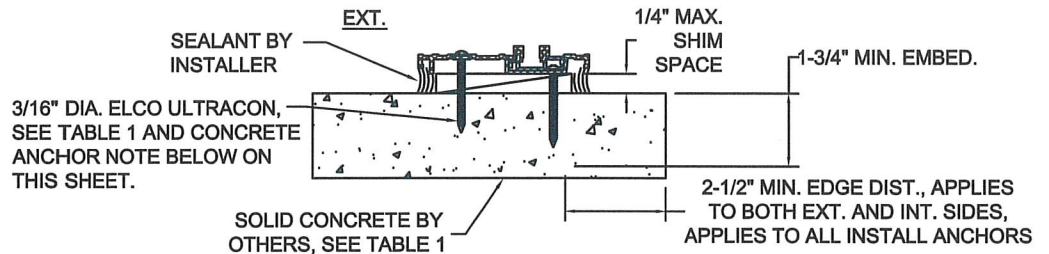
TYPICAL SILL ANCHOR DETAILS IN CONCRETE



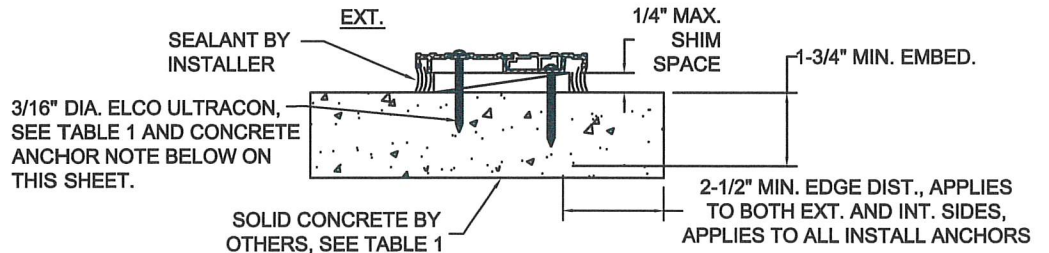
AT PIN GUIDE STRIKES



AT LOCK STRIKE PLATES

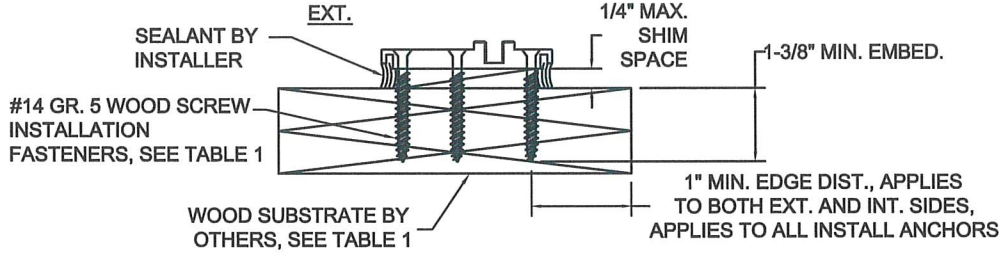


AT SIDELITE THRESHOLD

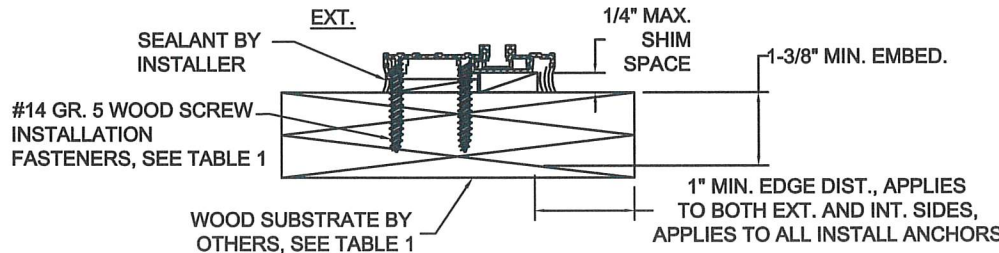


AT OPERABLE THRESHOLD

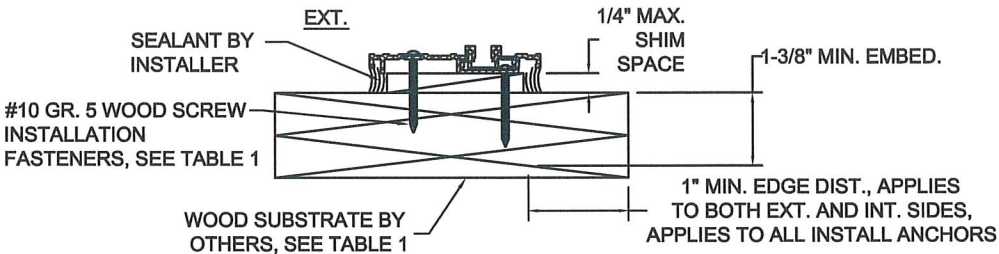
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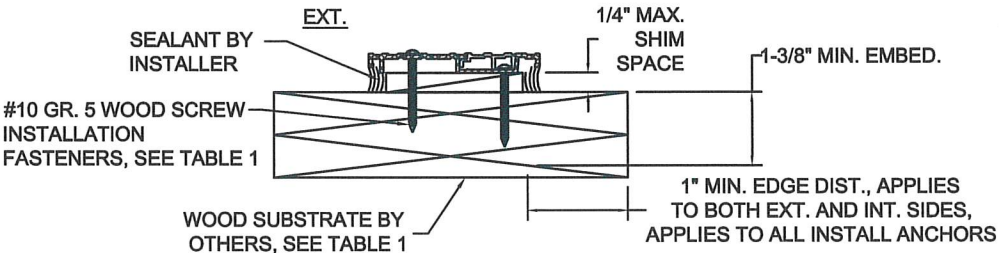
AT PIN GUIDE STRIKES



AT LOCK STRIKE PLATES



AT SIDELITE THRESHOLD



AT OPERABLE THRESHOLD

GENERAL ANCHOR NOTES:

1. INSTALL ANCHOR AS INDICATED IN DETAILS ON SHEETS 3 THRU 8 AT EACH LOCATION SHOWN IN THE ELEVATIONS ON SHEETS 3 AND 6.
2. INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE.
3. 1/4" MAX. SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
4. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO, BY OTHERS. FOR ATTACHMENT TO METAL SUBSTRATES ENSURE FULL THREAD ENGAGEMENT THROUGH METAL WALL WITH MIN. 3 THREADS BEYOND.
5. IN CMU (AT JAMBS ONLY) ENSURE 3" MIN. ON-CENTER SPACING BETWEEN ANY TWO INSTALLATION ANCHORS IN JAMB ANCHOR CLUSTERS (SEE VERTICAL SECTION DETAILS ON SHEETS 3 AND 6), AND 6" MIN. ON-CENTER ELSWHERE AT CMU JAMBS. FOR ALL OTHER ANCHOR/SUBSTRATE TYPES (SEE TABLE 1) ENSURE 1 1/2" MIN. ON-CENTER SPACING BETWEEN ANY TWO INSTALLATION ANCHORS.
6. OPTIONAL (1x MAX) WOOD BUCKS, IF USED, MUST BE ADEQUATELY ANCHORED TO PREVENT INSTALLATION ANCHOR BENDING.

| Revisions |                 |          |          |
|-----------|-----------------|----------|----------|
| Rev       | Description     | Date     | Approved |
| 0         | Initial Release | 12/16/19 | SJF      |
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TABLE 1: INSTALLATION ANCHOR REQUIREMENTS

| SUBSTRATE TYPE                                               | ANCHOR TYPE                                     | MINIMUM EMBEDMENT | MINIMUM EDGE DISTANCE |
|--------------------------------------------------------------|-------------------------------------------------|-------------------|-----------------------|
| CONCRETE<br>(2.85 ksi MIN)                                   | 1/4" DIA. ELCO ULTRACON<br>(TYPICALLY)          | 1 3/4"            | 2 1/2"                |
|                                                              | 3/16" DIA. ELCO ULTRACON<br>(AT THRESHOLD ONLY) | 1 3/4"            | 2 1/2"                |
| HOLLOW OR GROUT FILLED<br>CMU (ASTM C90 MIN)<br>(JAMBS ONLY) | 1/4" DIA. ELCO ULTRACON                         | 1 3/4"            | 2 1/2"                |
| 2X P.T. WOOD<br>(S.G.=0.55, MIN)                             | #14 GR. 5 WOOD SCREW<br>(TYPICALLY)             | 1 3/8"            | 1"                    |
|                                                              | #10 GR. 5 WOOD SCREW<br>(AT THRESHOLD ONLY)     |                   |                       |
| STEEL STUD<br>(16 Ga, 45 ksi MIN)                            | 1/4" DIA. ITW TEKS<br>SELF-DRILLING SCREW       | FULL**            | 1/2"                  |
| 1/8" ALUMINUM<br>(6063-T5 MIN)                               | 1/4" DIA. ITW TEKS<br>SELF-DRILLING SCREW       | FULL**            | 1/2"                  |

\*\* FULLY PENETRATES METAL WITH 3 THREADS BEYOND

NOTE: ANCHORS ARE FLATHEAD AT ALL PLATE/STRIKE LOCATIONS AND ROUND/PAN/HEX-WASHER HEAD ELSEWHERE

CONCRETE ANCHORS AT THRESHOLD: CONCRETE ANCHORS THAT PENETRATE THE THRESHOLD ONLY ARE 3/16" DIA. ELCO ULTRACONS. ANCHORS THAT PENETRATE DOOR HARDWARE OR STRIKE PLATES ARE 1/4" DIA. ELCO ULTRACONS.

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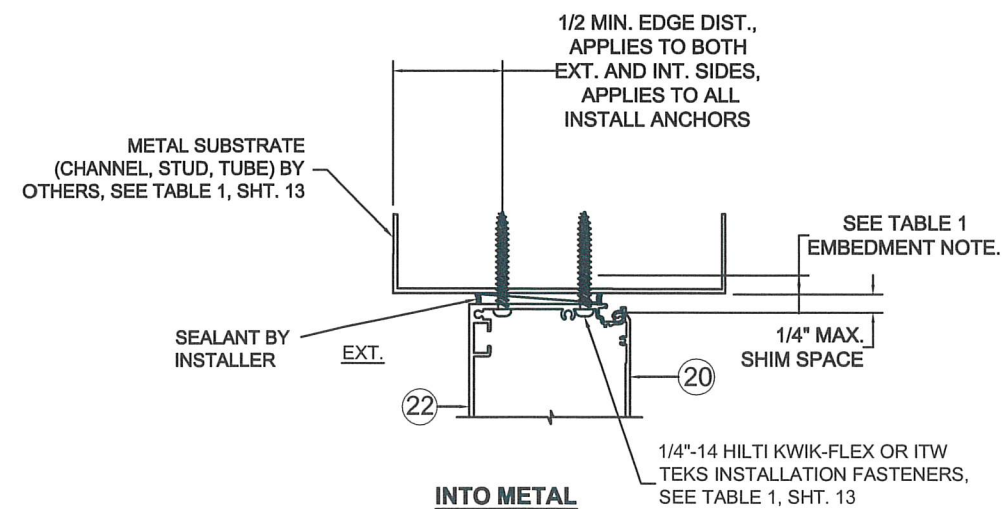
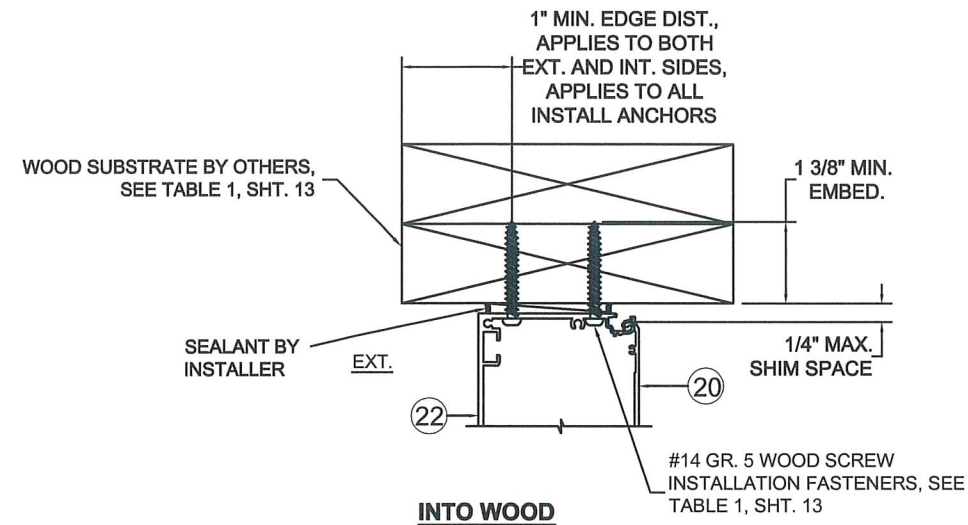
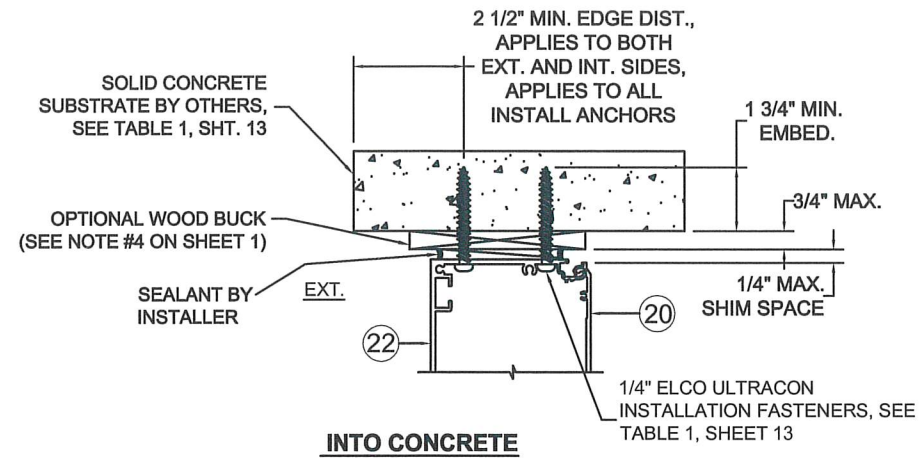
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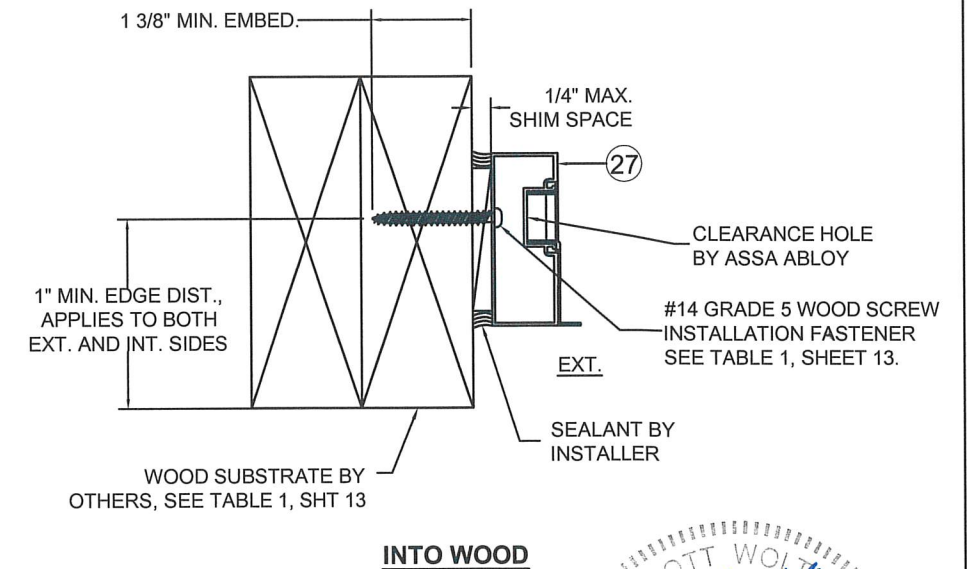
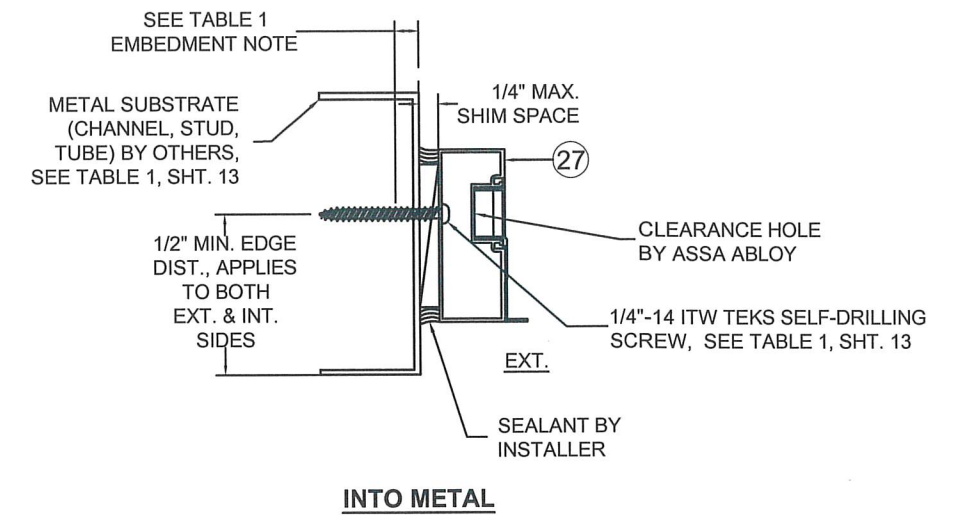
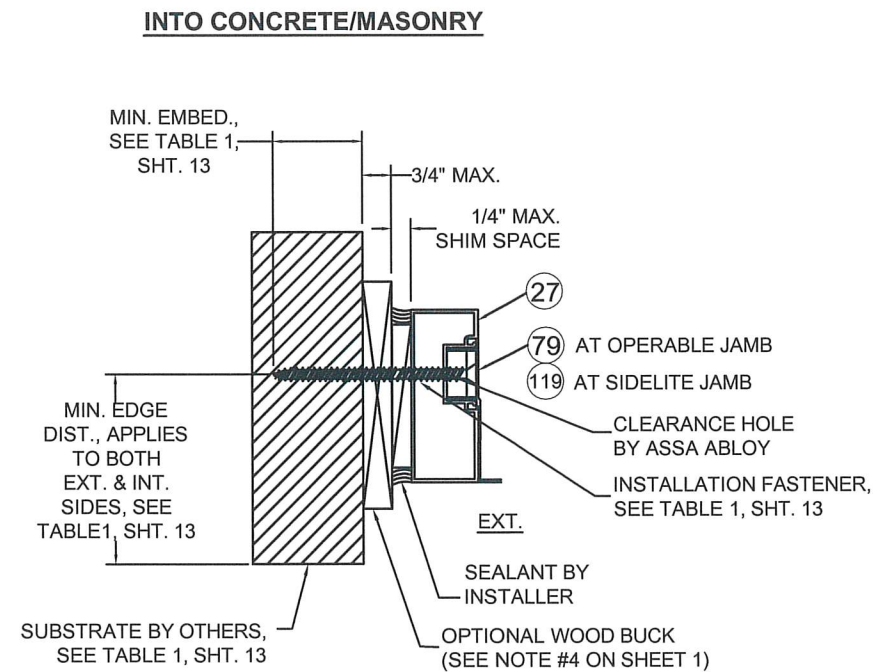
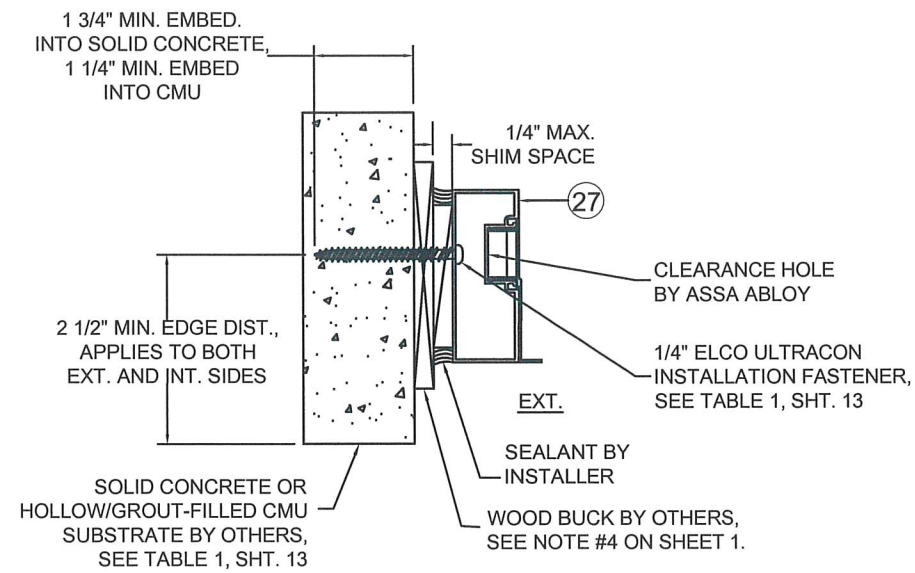
SHEET DESCRIPTION SHEET NO. 13 OF 17

| Revisions |                 |          |          |
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| Rev       | Description     | Date     | Approved |
| 0         | Initial Release | 12/16/19 | SJF      |
| 1         | Revision        | 4/24/25  | SJF      |

## TYPICAL HEAD ANCHOR DETAILS

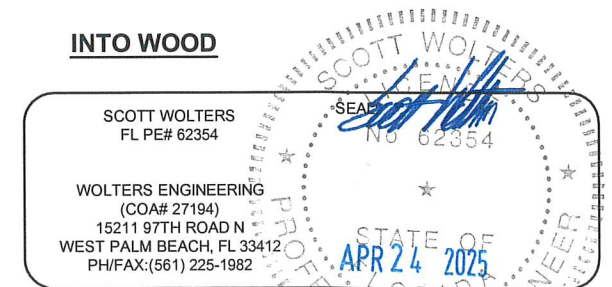


## TYPICAL JAMB ANCHOR DETAILS



## TYPICAL ALT. JAMB INSTALLATION THRU LOCK PLATE/STRIKE

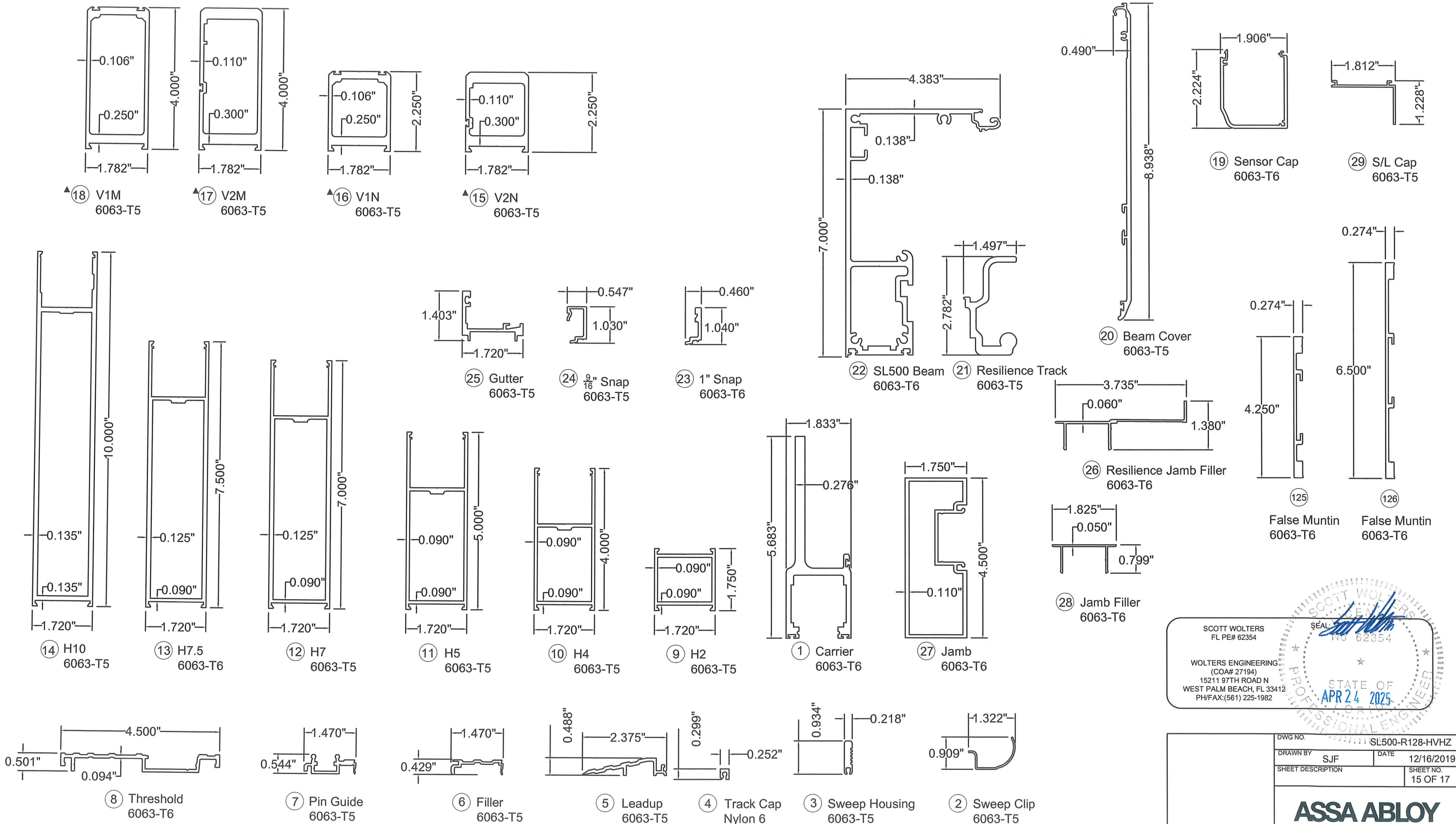
SEE GENERAL ANCHOR NOTES  
AND TABLE 1, SHEET 1



|                   |                    |
|-------------------|--------------------|
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| DRAWN BY          | SJF                |
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▲ US Patent 11,448,003 B2



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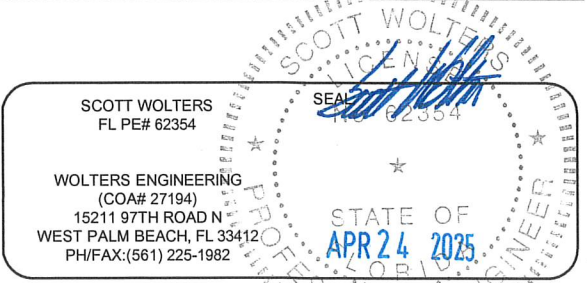
## ASSA ABLOY

| Revisions |                 |          |          |
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| Rev       | Description     | Date     | Approved |
| 0         | Initial Release | 12/16/19 | SJF      |
| 1         | Revision        | 4/24/25  | SJF      |

|      |                                     |           |
|------|-------------------------------------|-----------|
| 1    | Carrier                             | 1015669   |
| 2    | Sweep Clip                          | 1013780   |
| 3    | Sweep Housing                       | US01-0685 |
| 4    | Track Cap                           | 50-20-135 |
| 5    | Leadup                              | 1013364   |
| 6    | Filler                              | 1013366   |
| 7    | Pin Guide                           | 1013866   |
| 8    | Threshold                           | 1013363   |
| 9    | H2 Muntin Rail (Optional)           | 1012947   |
| 10   | H4 Bottom Rail                      | 1012942   |
| 11   | H5 A/L Top Rail                     | 1012944   |
| 12   | H7 Bottom Rail                      | 1012945   |
| 13   | H7.5 S/L Top Rail                   | 1016075   |
| 14   | H10 Bottom Rail                     | 1012946   |
|      |                                     |           |
|      |                                     |           |
| 17   | V2M HD Rail                         | 1018843   |
| 18   | V1M HD Rail                         | 1018842   |
| 19   | Sensor Cap                          | 1016738   |
| 20   | Beam Cover                          | 1016073   |
| 21   | Resilience Track                    | 1015670   |
| 22   | SL500 Beam                          | 1010590   |
| 23   | 1" Snap                             | 1015702   |
| 24   | 9/16" Snap                          | 1015701   |
| 25   | Gutter                              | 1015700   |
| 26   | Resilience Jamb Filler              | 1016844   |
| 27   | Jamb                                | US01-0931 |
| 28   | Jamb Filler                         | US01-0933 |
| 29   | S/L Cap                             | 1008138   |
|      |                                     |           |
| 30   | Wedge Seal (9/16" L.D. glass)       | 1703423   |
| 32   | Resilience Crash Bar Kit (Optional) | 1017922   |
|      |                                     |           |
| 33   | Wedge Seal (9/16" L.D. glass)       | 1703422   |
|      |                                     |           |
|      |                                     |           |
| 37   | Wedge Seal (1/4" glass)             | 1703425   |
| 38   | Fixed Seal (1/4" glass)             | 1703424   |
| 39   | Glass Setting Block                 | 1016294   |
| 40   | M6 x 30 FH Threadforming Screw      | 1701704   |
| Pos. | Description                         | Part.no.  |

|      |                                           |              |
|------|-------------------------------------------|--------------|
| 41   | Deadbolt Lever, AR4550, RH, CL (Optional) | US05-0771-01 |
| 42   | Deadbolt Lever, AR4550, LH, CL (Optional) | US05-0771-03 |
| 43   | 2 PT Lock                                 | 1703500      |
| 44   | 3 PT Lock                                 | 1703501      |
| 45   | Thumbturn                                 | 50-06-106    |
| 46   | Cylinder, Key Alike                       | US06-1404-02 |
| 47   | Lock Indicator                            | 50-06-161    |
| 48   | Lock Pin Assembly, Top                    | 1016991      |
| 49   | Lock Pin Assembly, Bottom                 | 1016992      |
| 50   | Kit, Lock Pin Guide                       | 1018060      |
| 51   | Resilience Pin Guide Assembly             | 1016658      |
| 52   | Pin Guide Strike                          | 1016611      |
| 53   | SL500 Resil Ball Catch Kit                | 1017039      |
| 54   | Anti-Twist Bracket                        | 1016628      |
| 55   | Top Pivot Assembly                        | 1012549      |
| 56   | Bottom Pivot Assembly                     | 1012548      |
| 57   | Square Threaded Rod Nut                   | 1016327      |
| 58   | Kit, Resilience Interlock Bar             | 1018093      |
| 59   | Kit, Interlock Hook                       | 1018059      |
| 60   | Resilience Beam End Cap, Left             | 1016614      |
| 61   | Resilience Beam End Cap, Right            | 1016613      |
| 62   | M6 x 20 Hex Head Screw                    | 93-09-723187 |
| 63   | Tall Weatherstrip                         | US20-0905-01 |
| 64   | Seal                                      | US20-1658-01 |
|      |                                           |              |
| 66   | 5" Anti-Twist Assembly Clip               | 1013803-3    |
| 67   | 4" Anti-Twist Assembly Clip               | 1013803-2    |
| 68   | 7" Anti-Twist Assembly Clip               | 1013897-2    |
| 69   | 10" Anti-Twist Assembly Clip              | 1013897-1    |
| 70   | Rod,Threaded,3/8"                         | 50-09-100    |
| 71   | Nut,3/8-16 Whiz flange zinc               | 50-09-132    |
| 72   | M6x12mm SHCS BLK Zinc                     | 1703632      |
| 73   | M5x8mm BHCS                               | 1703508      |
| 74   | Screw, HWH, 1/4-14x1"TEK                  | US09-1294-01 |
| 75   | Anti-Twist Bracket                        | 1019248      |
|      |                                           |              |
| 77   | Resilience S/L Pivot Base Kit             | 1019262      |
| 78   | Kit, Resilience Jamb Interlock Hook       | 1018092      |
| 79   | Resilience Jamb Lock Strike               | 1017900      |
| 80   | Lock Plate                                | US04-0948-01 |
| Pos. | Description                               | Part.no.     |

|     |                                                      |              |
|-----|------------------------------------------------------|--------------|
| 81  | 1/4"x 1-3/4" HWH Elco Ultracon Conc. Anchor          | 1703636      |
| 82  | 3/16"x 1-3/4" HWH Elco Ultracon Conc. Anchor         | 1703635      |
| 83  | 1/4"x 3-1/4" PFH Elco Ultracon Conc. Anchor          | 1703634      |
| 84  | 1/4"-14 x 2" HWH #3 Pt SD ITW TEKS Screw             | 1703633      |
| 85  | #14 x 2.5" PH Grade 5 Sheetmetal Screw               | 1703431      |
| 86  | #10 x 2" PH Grade 5 Sheetmetal Screw                 | 1703427      |
| 87  | #14 x 4" RH Grade 5 Sheetmetal Screw                 | 1703494      |
| 88  | #14 x 3in FH Grade 5 Screw                           | 1703426      |
| 89  | Nut Plate, Interlock                                 | 1019247      |
| 90  | Resilience Beam End Cap, Right                       | 1016613      |
| 91  | Resilience Beam End Cap, Left                        | 1016614      |
| 92  | PSA Arm Kit, HD                                      | 1017036      |
| 93  | Resilience Carrier Lock Strike Assembly              | 1016637      |
| 94  | Sweep                                                | US20-1627-02 |
| 95  | Ball Catch Kit, Carrier Portion, Resilience          | US05-1609-01 |
| 96  | Ball Catch Kit, Active Leaf Door Portion, Resilience | 1017038      |
| 97  | Sweep Clip                                           | 1013780      |
| 98  | Resilience Shear Block                               | 1016612      |
| 99  | XG Lock Body Mounting Block                          | 1019595      |
| 100 | #10-32 x 1/2" Ultra Low Profile Socket Head Screw    | 1704073      |
| 101 | XG Muntin 'L' Bracket, Resilience                    | 1019660      |
| 102 | M8x40mm BHCS Black                                   | 1703691      |
| 103 | M8 x 18 SHCS                                         | 1703495      |
| 104 | #10-16 x 5/8" PPH Tek Screw                          | 53-09-003    |
| 105 | M6x16mm Trilobe BHCS                                 | 1703493      |
| 106 | M6 x 30 FH Threadforming Screw                       | 1701704      |
| 107 | M6x30mm HHCS                                         | 93-09-723187 |
|     |                                                      |              |
| 109 | M6 Steel Rivnut                                      | US09-1560-01 |
| 110 | M8 Steel Rivnut                                      | 1703429      |



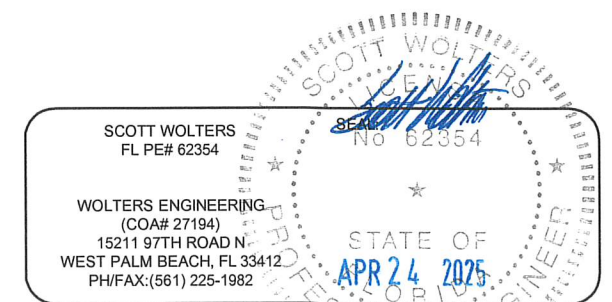
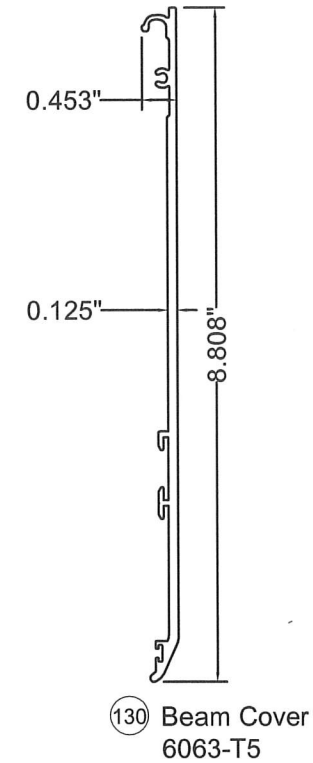
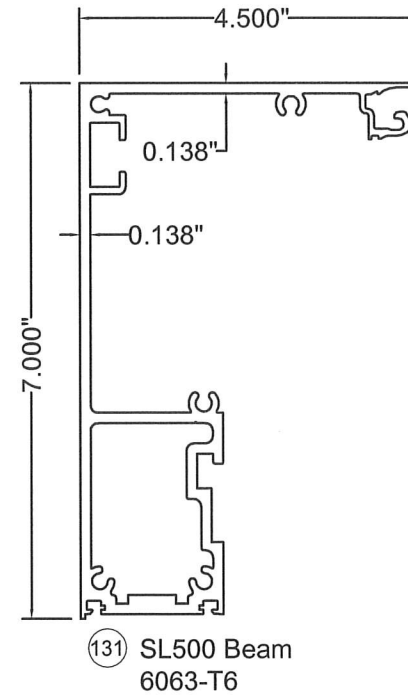
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|  | DWG NO.             |     | SL500-R128-HVHZ       |
|  | DRAWN BY            | SJF | DATE 12/16/2019       |
|  | SHEET DESCRIPTION   |     | SHEET NO.<br>16 of 17 |
|  | <h1>ASSA ABLOY</h1> |     |                       |



ASSA ABLOY  
SL500 RESILIENCE R128 SLIDING DOOR SYSTEM  
BI-PARTING AND SINGLE SLIDING

| Revisions |                 |          |          |
|-----------|-----------------|----------|----------|
| Rev       | Description     | Date     | Approved |
| 0         | Initial Release | 12/16/19 | SJF      |
| 1         | Revision        | 4/24/25  | SJF      |

|      |                                             |              |
|------|---------------------------------------------|--------------|
| 111  | Carrier Positive Stop Bracket, Single Slide | 1017002      |
| 112  | Carrier Positive Stop Bracket, Bi-Part      | 1016615      |
|      |                                             |              |
|      |                                             |              |
|      |                                             |              |
|      |                                             |              |
| 116  | Beam Interlock Hook                         | 1016622      |
| 117  | Level E Lock Guard, Left                    | 1017889      |
| 118  | Level E Lock Guard, Right                   | 1017890      |
| 119  | Jamb Interlock Strike                       | US04-0948    |
| 120  | XG Lock Body Mounting Block                 | 1019595      |
| 121  | M6x60mm HHCS                                | 1703666      |
| 122  | M6 Hex Nut                                  | 04-09-726016 |
| 123  | XG Muntin 'L' Bracket, Resilience           | 1019660      |
| 124  | M6x25mm FHCS, Thread Former                 | 1703678      |
| 125  | FM2 - False Muntin                          | 1018855      |
| 126  | FM4 - False Muntin                          | 1018856      |
| 127  | Double Sided Adhesive Tape                  |              |
| 128  | XG Gutter Steel, R128                       | 1019938      |
| 129  | XG Tube Reinf., R128 Impact                 | 1020250      |
| 130  | Alternate Beam Cover                        | 1021588      |
| 131  | Alternate SL500 Beam                        | 1021586      |
|      |                                             |              |
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| Pos. | Description                                 | Part.no.     |



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|-------------------|--|-----------------------|--|
| DWG NO.           |  | SL500-R128-HVHZ       |  |
| DRAWN BY<br>SJF   |  | DATE<br>12/16/2019    |  |
| SHEET DESCRIPTION |  | SHEET NO.<br>17 of 17 |  |

# ASSA ABLOY