



**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**

**DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION**

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

ASSA ABLOY Entrance System US, Inc.

**1900 Airport Road
Monroe, NC 28110**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where are allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Series "SL-500 Resilience R104" Sliding Glass Door System Bi-Parting and Single Sliding
- L.M.I.**

APPROVAL DOCUMENT: Drawing No. **SL500-R104-FSL-LMI** titled "Series SL-500 Resilience R104 Sliding Door System Bi-Parting and Single Sliding Fixed Sidelite - LMI Level D (50 FT/S)", sheets 1 through 16 of 16, dated 10/11/2019, prepared by manufacture, signed and sealed by Scott Wolters, P.E on 02/26/2021., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:

1. Max panel widths not to exceed per sheet 2 (So-Sx-Sx-So) and sheet 3 (So-Sx).
2. Not approved where water infiltration is required.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises NOA#20-0625.02** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Sifang Zhao, P.E.**



S.Z.
05/27/2021

NOA No. 21-0324.10
Expiration Date: February 18, 2026
Approval Date: May 27, 2021
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOAS'

A. DRAWINGS

1. Manufacturer's die drawings and sections (*Submitted under NOA No. 20-0625.02*)
2. Drawing No. **SL500-R104-FSL-LMI** titled "Series SL-500 Resilience R104 Sliding Door System Bi-Parting and Single Sliding Fixed Sidelite - LMI Level D (50 FT/S)", sheets 1 through 16 of 16, dated 10/11/2019, prepared by manufacture, signed and sealed by Scott Wolters, P.E on 06/16/2020. (*Submitted under NOA No. 20-0625.02*)

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94 (**0.79** cfm/ft² @**1.57** PSF)
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Large Missile Impact Test per FBC, TAS 201-94
4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
5) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with installation diagram of an aluminum automatic sliding glass doors, prepared by Intertek, Test Report Nos. **K0586.01-550-18** and **K0586.03-550-18** dated 12/06/19, signed and sealed by Vinu Abraham, P.E. (*Submitted under NOA No. 20-0625.02*)

C. CALCULATIONS

1. Anchor verification calculations dated 06/16/2020 with revision dated 11/06/2020, prepared by Wolters engineering, signed and sealed by Scott Wolters, P.E. (*Submitted under NOA No. 20-0625.02*)
2. Glazing complies w/ ASTM E-1300-09.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **20-0915.19** issued to **Kuraray America, Inc.** for their "SentryGlas® (Clear and White) Glass Interlayers", expiring on 07/04/23.

F. STATEMENTS

1. Statement letter of conformance to FBC 2017 (6th Edition), dated 06/16/2020 and FBC 2020 (7th Edition), dated 11/06/2020 prepared by Wolters engineering, signed and sealed by Scott Wolters, P.E.
2. Statement letter of "No financial interest", dated 06/16/2020, prepared by Turner engineering & consulting Inc, signed and sealed by Scott Wolters, P.E.
3. Lab compliance, prepared by Intertek, signed and sealed by Vinu Abraham, P.E.

G. OTHER

1. Test proposal # **19-0376** approved by RER.



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 21-0324.10
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **SL500-R104-FSL-LMI** titled “Series SL-500 Resilience R104 Sliding Door System Bi-Parting and Single Sliding Fixed Sidelite - LMI Level D (50 FT/S)”, sheets 1 through 16 of 16, dated 10/11/2019, prepared by manufacture, signed and sealed by Scott Wolters, P.E on 02/26//2021

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **20-0915.19** issued to **Kuraray America, Inc.** for their “SentryGlas® (Clear and White) Glass Interlayers”, expiring on 07/04/23.

F. STATEMENTS

1. Statement letter of conformance to FBC 2020 (7th Edition), dated 02/26/2021, prepared by Wolters engineering, signed and sealed by Scott Wolters, P.E.

G. OTHER

1. This NOA revises NOA No. **20-0625.02**, expiring on 02/18/2026.



Sifang Zhao, P.E.
Product Control Examiner
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ASSA ABLOY	ASSA ABLOY ENTRANCE SYSTEMS 1900 AIRPORT ROAD MONROE, NC 28110 PHONE: 1-866-237-2687	ASSA ABLOY SL500 RESILIENCE R104 SLIDING DOOR SYSTEM BI-PARTING AND SINGLE SLIDING FIXED SIDELITE - LMI LEVEL D (50 FT/S)	Revisions			
			Rev	Description	Date	Approved
			0	Initial Release		SJF

GENERAL NOTES:

1.

THIS PRODUCT HAS BEEN TESTED PER TAS 201, 202 (STRUCTURAL ONLY), & 203. IT MEETS ALL OF THE REQUIREMENTS OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE, INCLUDING THE HVHZ PROVISIONS. THIS PRODUCT IS LARGE AND SMALL IMPACT RESISTANT, AND DOES NOT REQUIRE SHUTTERS 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:

9.

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

10.

FOR GLAZING DETAILS, SEE SHEET 5.

11.

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.

12.

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

CORNER CONSTRUCTION:

13.

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

14.

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

Description

1

General Notes

2

Bi-Part Elevation, Jamb Anchoring Locations

3

Single Slide Elevation, Jamb Anchoring Locations

4

Design Pressure Charts

5

Glazing Details

6

Bi-Part Section Views

7

Bi-Part Head and Sill Anchoring Locations

8

Single Slide Section Views

9

Single Slide Head and Sill Anchoring Locations

10

Door Connections and Head Section Views

11

Muntin Details, Locking Details

12

Frame Connection Details

13

Threshold Anchoring Details, Installation Anchor Table

14

Head and Jamb Anchoring Details

15

Profiles

16

Bill of Materials

DESIGN PRESSURE	IMPACT RATING
SEE TABLES ON SHEET 4	LARGE AND SMALL MISSILE IMPACT RESISTANT LEVEL D (50 FT/S)

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
PROFESSIONAL ENGINEER

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 21-0324.10
Expiration Date 02/18/2026
By
Miami-Dade Product Control

DWG NO. SL500-R104-FSL-LMI

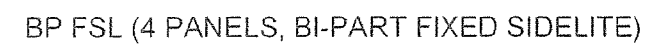
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DATE 10/11/2019

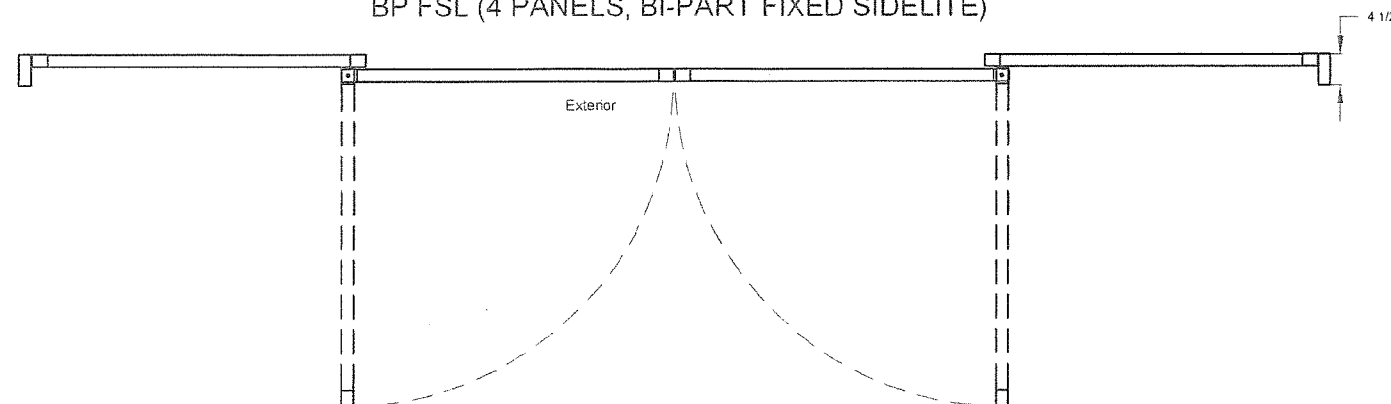
SHEET DESCRIPTION

SHEET NO. 1 OF 16

ASSA ABLOY



Daylight Opening (DLO) Height Formulas	
4" Bottom Rail	OFH - 21 7/8"
7" Bottom Rail	OFH - 24 7/8"
10" Bottom Rail	OFH - 27 7/8"



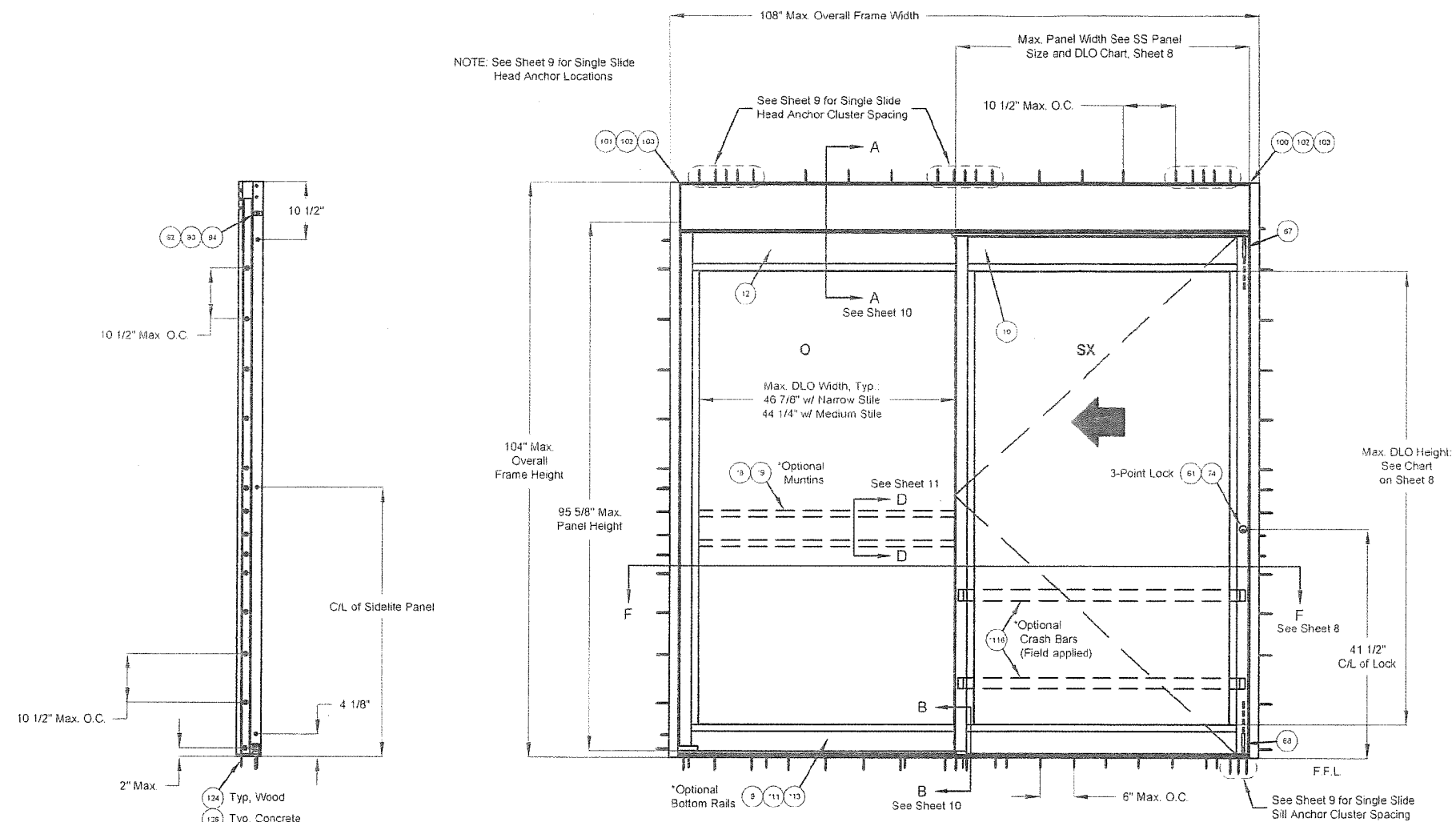
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<h1>ASSA ABLOY</h1>			

ASSA ABLOY

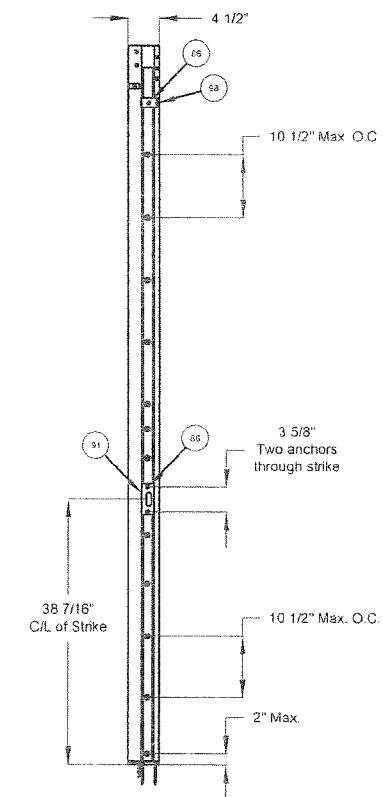
ASSA ABLOY ENTRANCE SYSTEMS
1900 AIRPORT ROAD
MONROE, NC 28110
PHONE: 1-866-237-2687

ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
FIXED SIDELITE - LMI LEVEL D (50 FT/S)

Revisions			
Rev	Description	Date	Approved
0	Initial Release		SJF

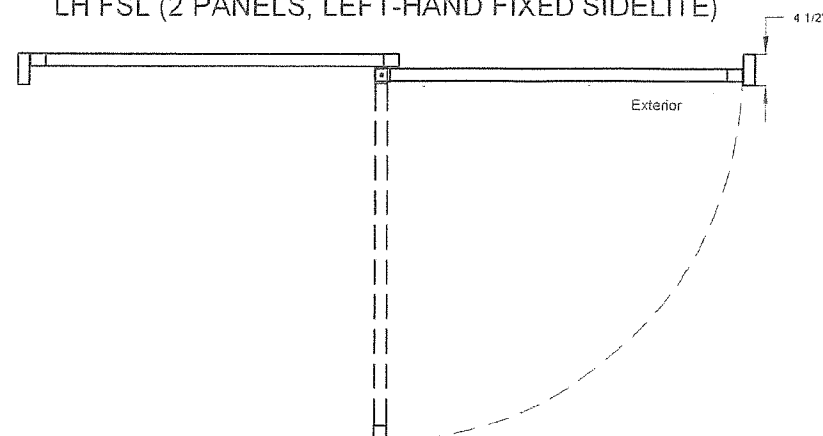


SIDELITE JAMB



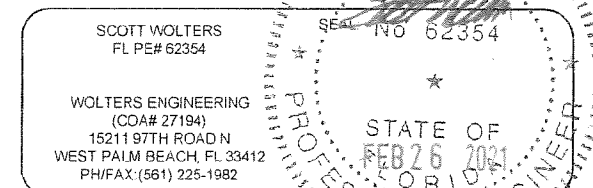
ACTIVE JAMB

LH FSL (2 PANELS, LEFT-HAND FIXED SIDELITE)



Daylight Opening (DLO) Width Formulas	
Narrow Stile	Panel Width - 7"
Medium Stile	Panel Width - 10 1/2"

Daylight Opening (DLO) Height Formulas	
4" Bottom Rail	OFH - 21 7/8"
7" Bottom Rail	OFH - 24 7/8"
10" Bottom Rail	OFH - 27 7/8"



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By *[Signature]*
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DWG NO.	SL500-R104-FSL-LMI
DRAWN BY	DBN
DATE	10/11/2019
SHEET DESCRIPTION	
SHEET NO.	3 OF 16

ASSA ABLOY



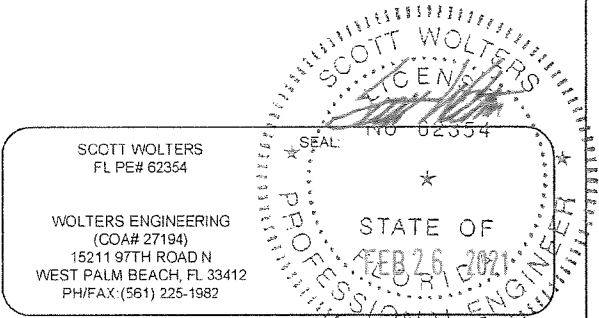
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ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
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Revisions			
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SINGLE SLIDE - MAXIMUM DESIGN PRESSURE				
GLASS TYPE	IMPACT RATING	LOCKING HARDWARE	MAX. FRAME SIZE (in)	MAX. DESIGN PRESSURE (psf)
GLASS TYPE 1	LMI - MISSILE D	3 PT. LOCK	108" x 104"	80

BI-PARTING - MAXIMUM DESIGN PRESSURE				
GLASS TYPE	IMPACT RATING	LOCKING HARDWARE	MAX. FRAME SIZE (in)	MAX. DESIGN PRESSURE (psf)
GLASS TYPE 1	LMI - MISSILE D	3 PT. LOCK	192" x 104"	80



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DWG NO. SL500-R104-FSL-LMI	
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SHEET DESCRIPTION	SHEET NO. 4 OF 16



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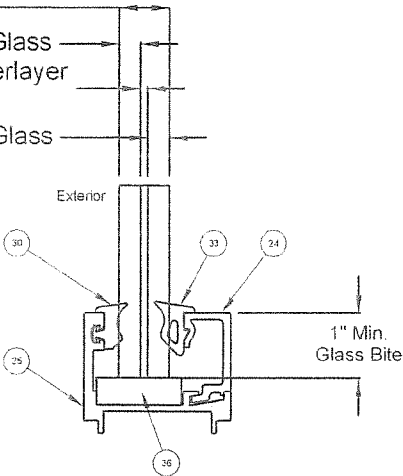
ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
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FIXED SIDELITE - LMI LEVEL D (50 FT/S)

Revisions			
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Glass Type 1
9/16" LAMINATED GLASS

9/16" Laminated 'D' Impact Glass
(.590" actual)

1/4" Heat Strengthened Glass
.090" Sentryglas Interlayer
by Kuraray
1/4" Heat Strengthened Glass

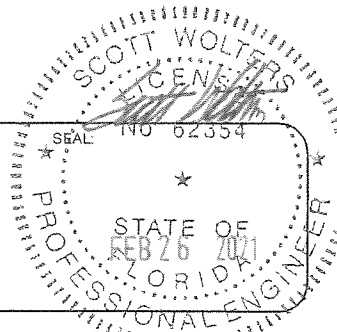


FBC 2411.3.3.1
Compliant Setting Blocks
80 Durometer Neoprene
2 per Glass Edge

LEVEL D
LARGE AND SMALL MISSILE IMPACT

SCOTT WOLTERS
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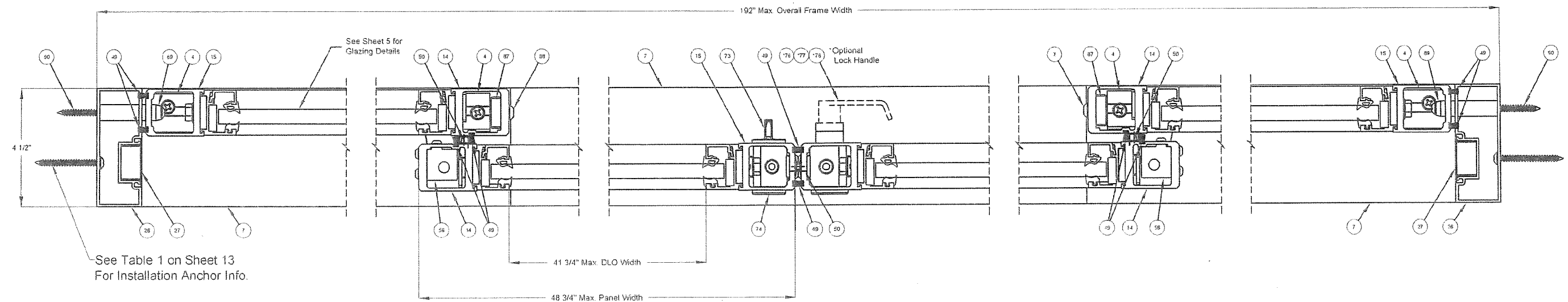
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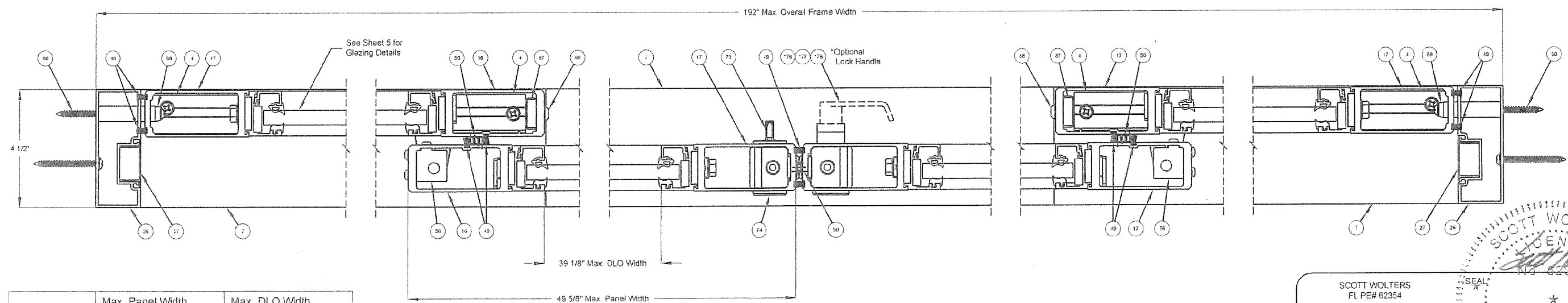
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ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
FIXED SIDELITE - LMI LEVEL D (50 FT/S)

Revisions			
Rev	Description	Date	Approved
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Section C-C, Narrow Stile
BI-PARTING FIXED SIDELITE SHOWN



Section C-C, Medium Stile
BI-PARTING FIXED SIDELITE SHOWN

	Max. Panel Width	Max. DLO Width
Narrow Stile	48 3/4"	41 3/4"
Medium Stile	49 5/8"	39 1/8"

	Max. Panel Height	Max. DLO Height
4" Bottom Rail	96 1/8"	82 1/8"
7" Bottom Rail	96 1/8"	79 1/8"
10" Bottom Rail	96 1/8"	76 1/8"

SCOTT WOLTERS
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DRAWN BY	DBN	DATE	10/11/2019
SHEET DESCRIPTION			SHEET NO. 6 OF 16

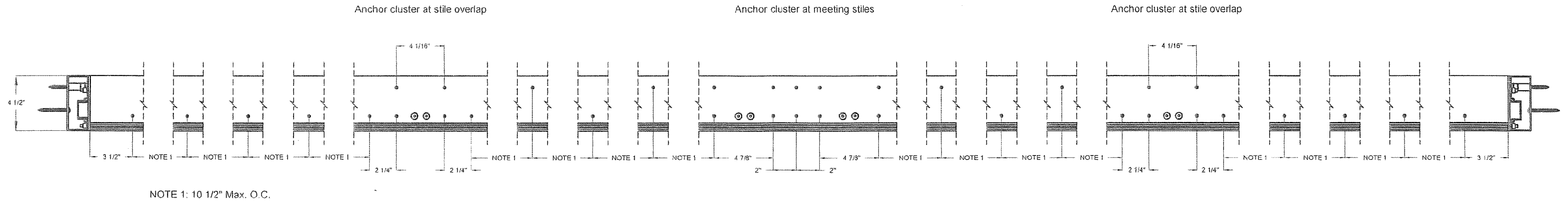
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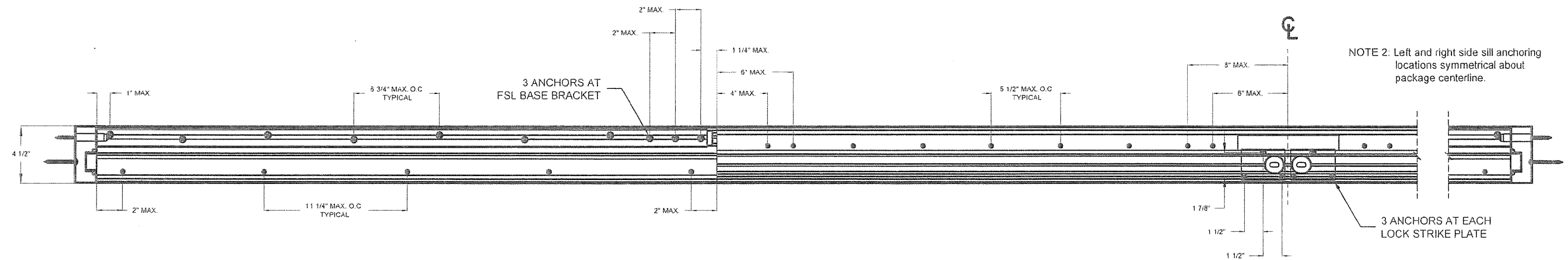
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SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
FIXED SIDELITE - LMI LEVEL D (50 FT/S)

Revisions			
Rev	Description	Date	Approved
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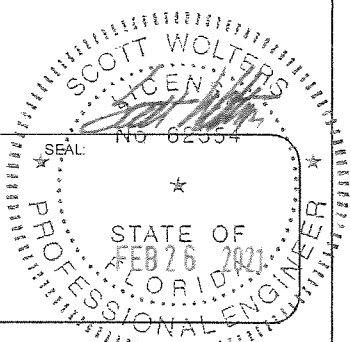
BI-PART HEADER ANCHOR LOCATIONS



BI-PART SILL ANCHOR LOCATIONS

SCOTT WOLTERS
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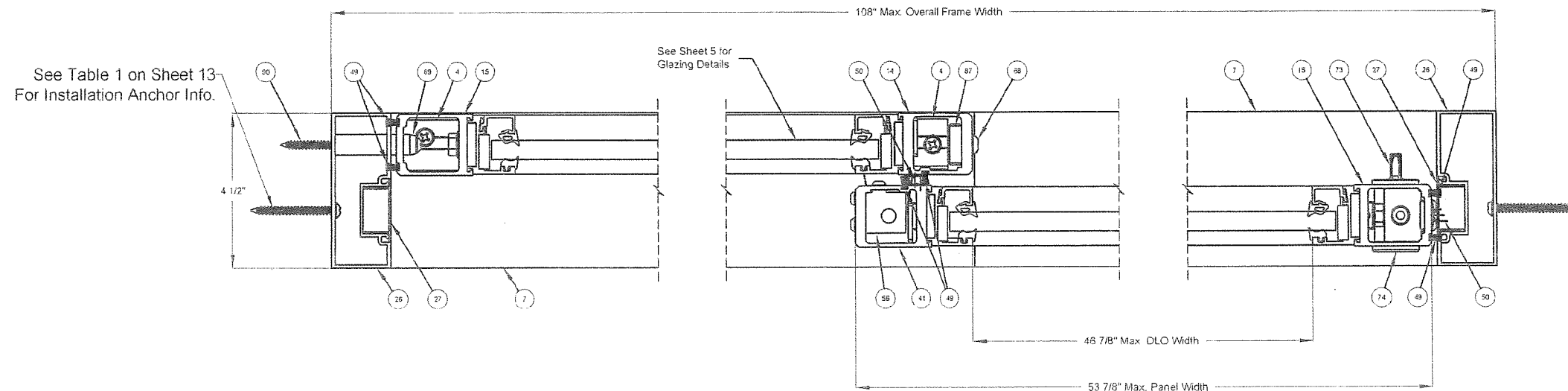


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By *[Signature]*
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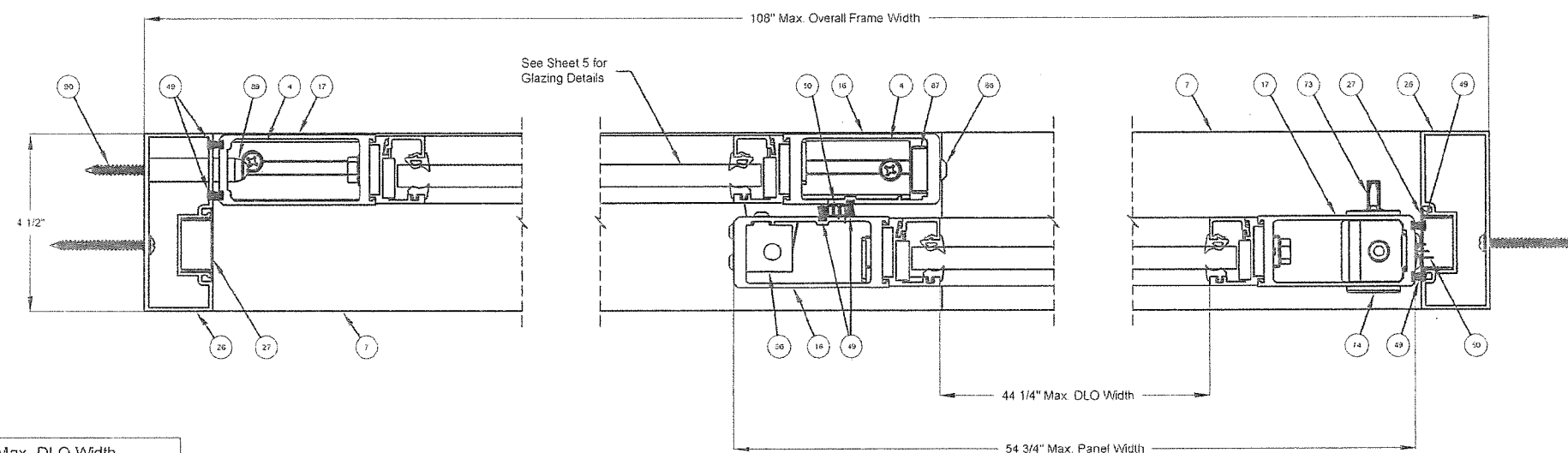
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DRAWN BY	DBN
DATE	10/11/2019
SHEET DESCRIPTION	SHEET NO. 7 OF 16

ASSA ABLOY

Revisions			
Rev	Description	Date	Approved
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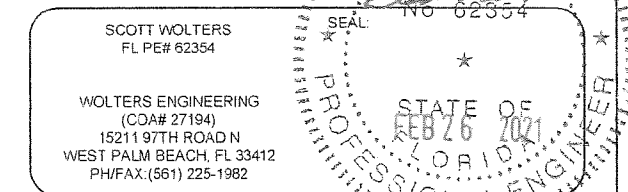
Section F-F, Narrow Stile
SINGLE SLIDE FIXED SIDELITE SHOWN



Section F-F, Medium Stile
SINGLE SLIDE FIXED SIDELITE SHOWN

	Max. Panel Width	Max. DLO Width
Narrow Stile	53 7/8"	46 7/8"
Medium Stile	54 3/4"	44 1/4"

	Max. Panel Height	Max. DLO Height
4" Bottom Rail	96 1/8"	82 1/8"
7" Bottom Rail	96 1/8"	79 1/8"
10" Bottom Rail	96 1/8"	76 1/8"



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By *CS*
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DWG NO.	SL500-R104-FSL-LMI
DRAWN BY	DBN
DATE	10/11/2019
SHEET DESCRIPTION	SHEET NO. 8 OF 16

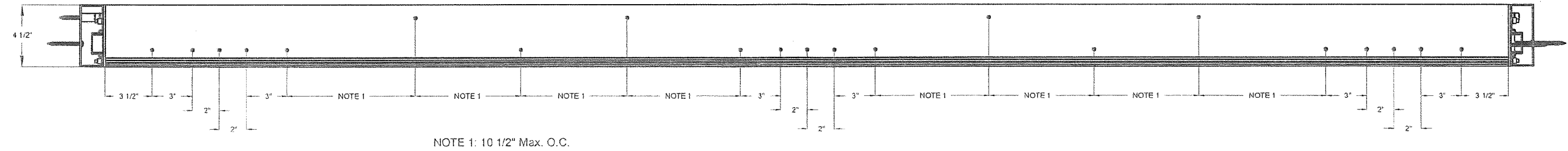
ASSA ABLOY

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1900 AIRPORT ROAD
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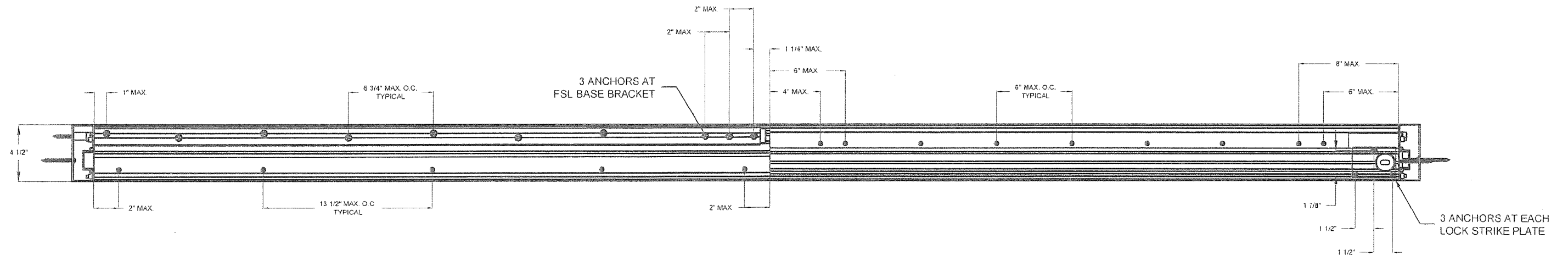
ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
FIXED SIDELITE - LMI LEVEL D (50 FT/S)

Revisions

Rev	Description	Date	Approved
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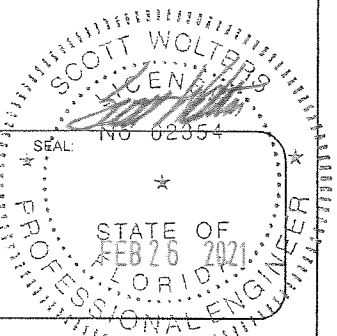
SINGLE SLIDE HEADER ANCHOR LOCATIONS



SINGLE SLIDE SILL ANCHOR LOCATIONS

SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
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By *[Signature]*
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DWG NO.	SL500-R104-FSL-LMI
DRAWN BY	DBN
DATE	10/11/2019
SHEET DESCRIPTION	SHEET NO. 9 OF 16

ASSA ABLOY

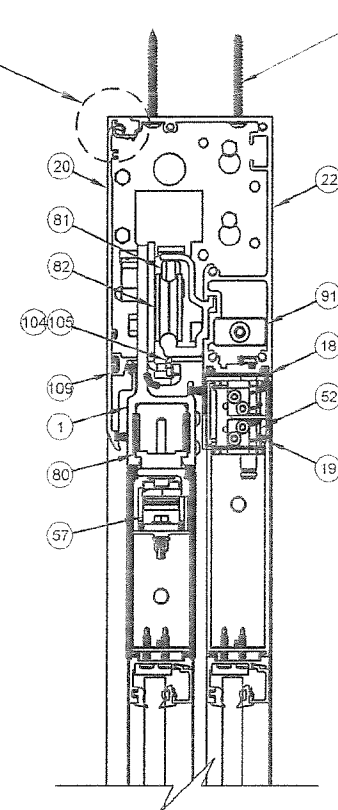
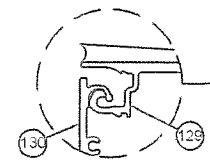
ASSA ABLOY

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

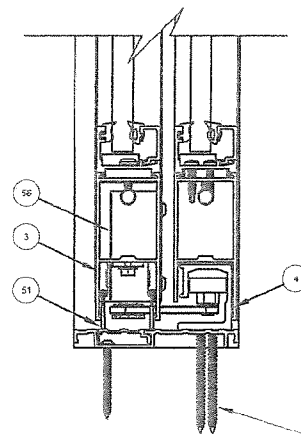
ASSA ABLOY SL500 RESILIENCE R104 SLIDING DOOR SYSTEM BI-PARTING AND SINGLE SLIDING FIXED SIDELITE - LMI LEVEL D (50 FT/S)

Revisions			
Rev	Description	Date	Approved
0	Initial Release		SJF

Alternate Cover:



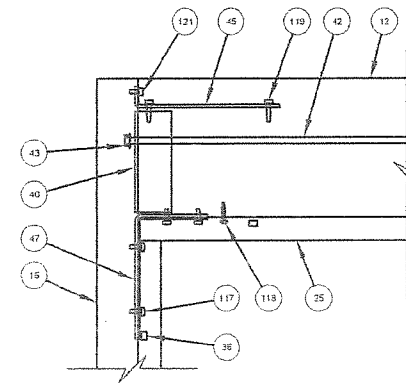
Section A-A



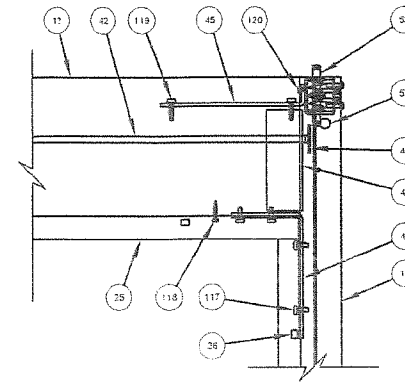
Section B-B

See Table 1 on Sheet 13
For Installation Anchor Info.

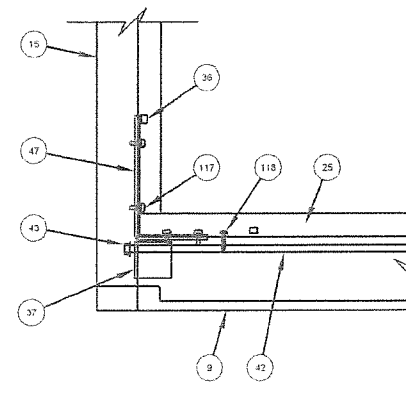
See Table 1 on Sheet 13
For Installation Anchor Info.



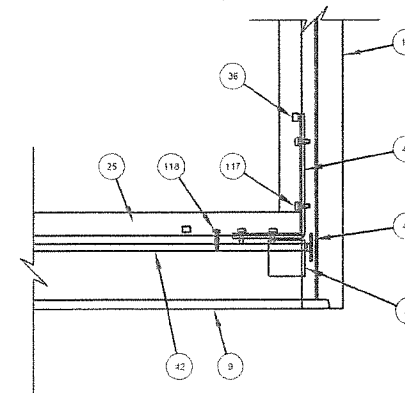
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Top Jamb Corner



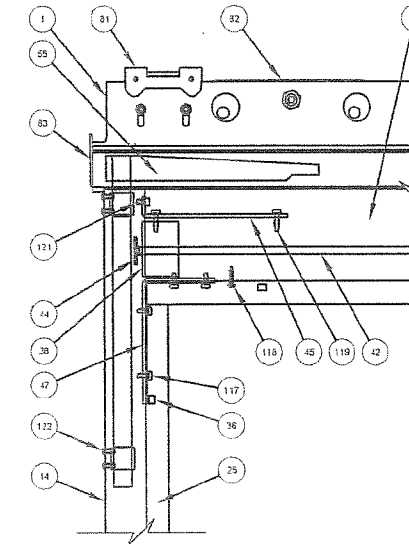
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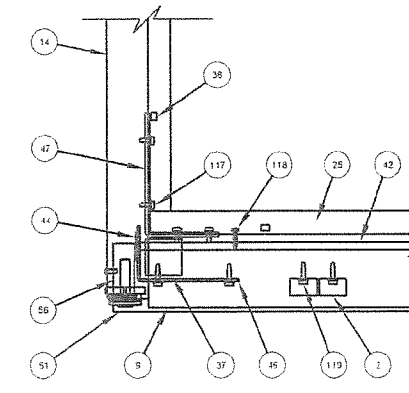
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Bottom Jamb Corner



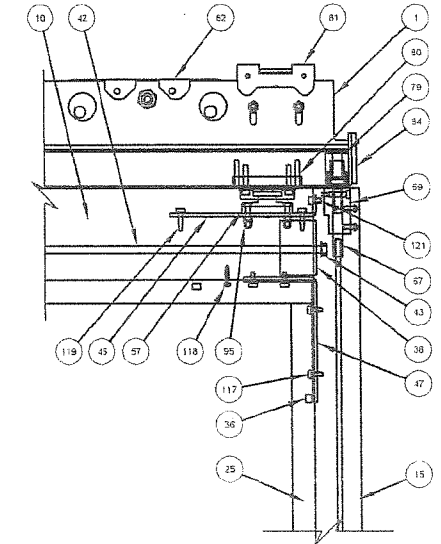
Sidelite
Bottom Lead Corner



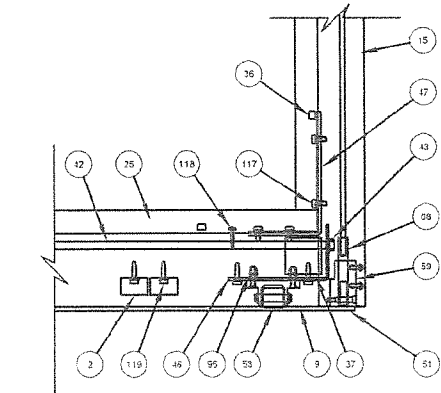
Active Leaf
Top Jamb Corner



Active Leaf
Bottom Jamb Corner



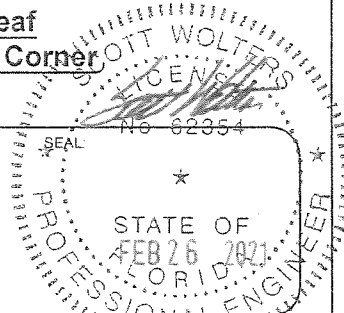
Active Leaf
Top Lead Corner



Active Leaf
Bottom Lead Corner

SCOTT WOLTERS
FL PE# 62354

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



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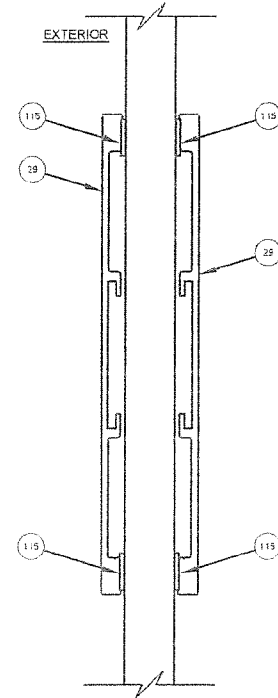
DWG NO.	SL500-R104-FSL-LMI
DRAWN BY	DBN
DATE	10/11/2019
SHEET DESCRIPTION	SHEET NO.
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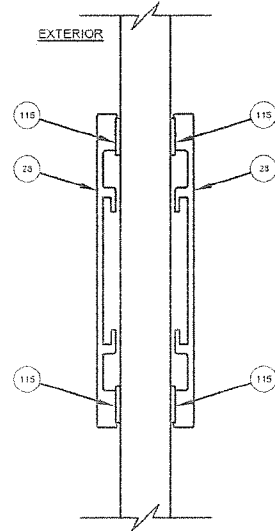
ASSA ABLOY ENTRANCE SYSTEMS
1900 AIRPORT ROAD
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PHONE: 1-866-237-2687

ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
FIXED SIDELITE - LMI LEVEL D (50 FT/S)

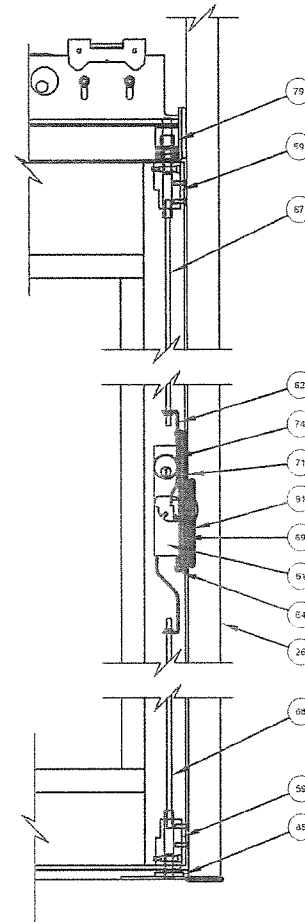
Revisions			
Rev	Description	Date	Approved
0	Initial Release		SJF



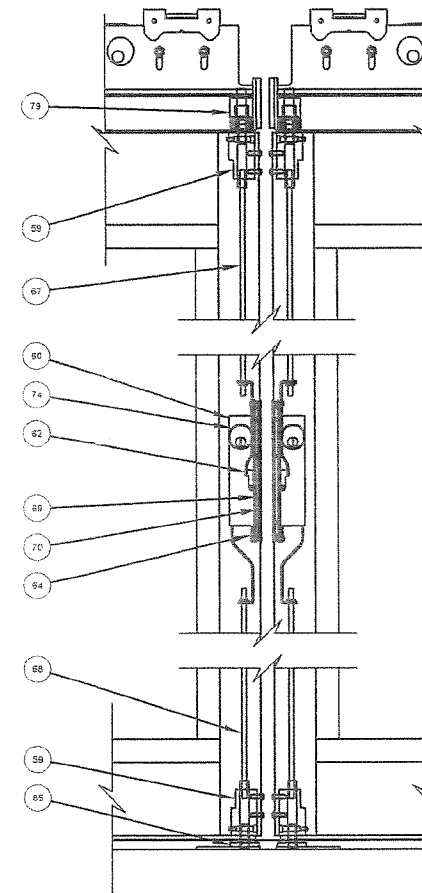
Section E-E
4" Surface
Applied Muntin



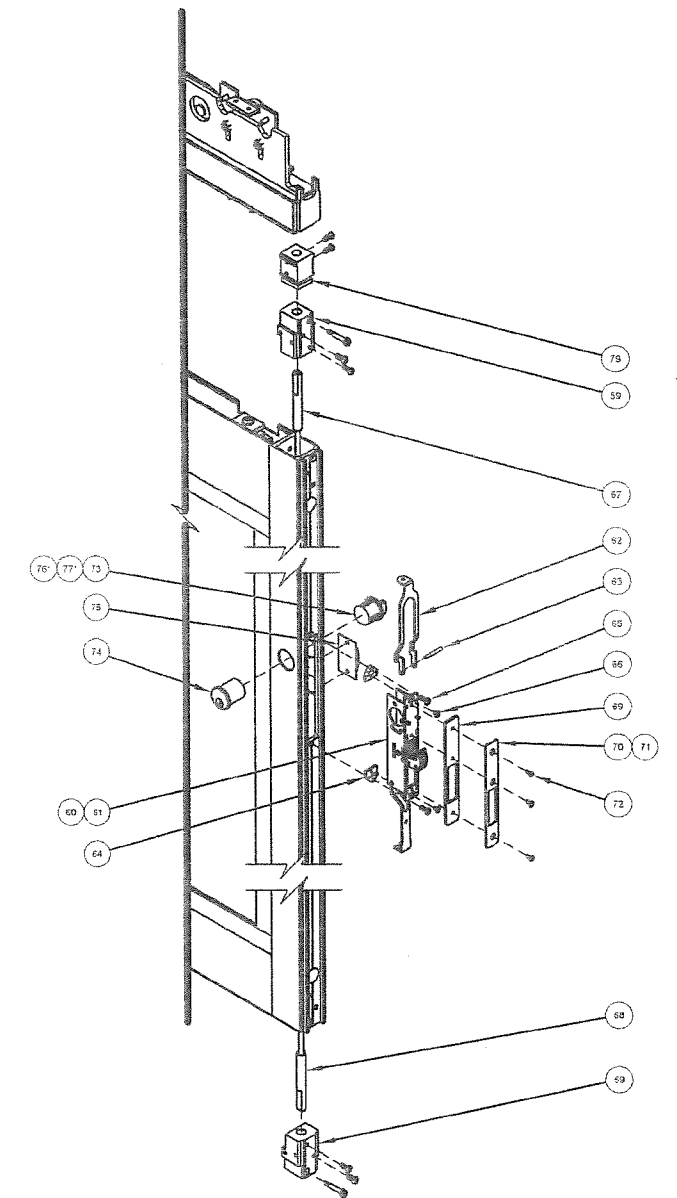
Section E-E
2" Surface
Applied Muntin



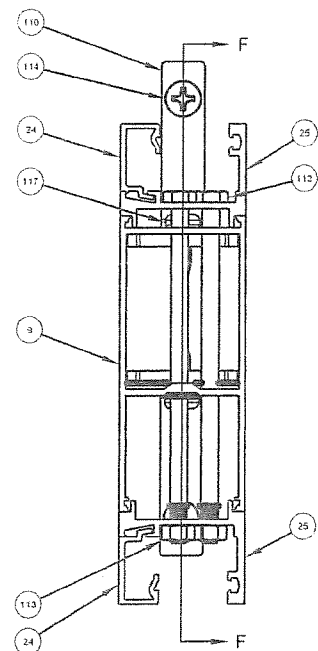
Single Slide
3-Point Lock



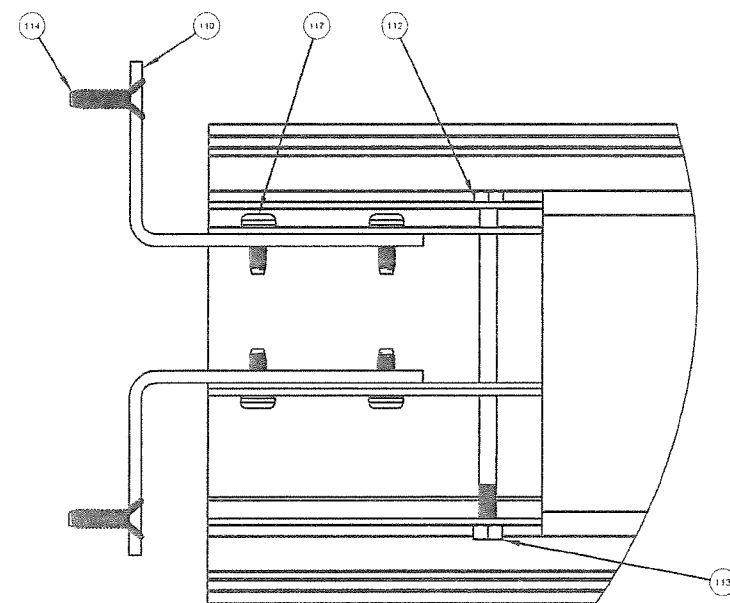
Bi-Part 4-Point Lock



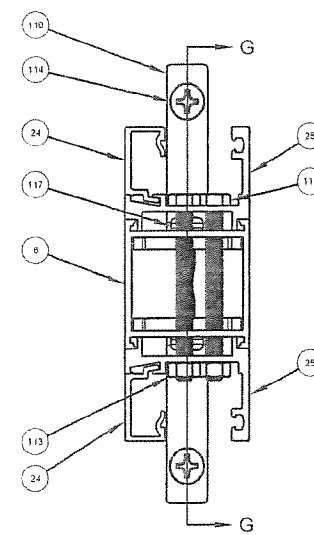
Locking System
(Single Slide shown)



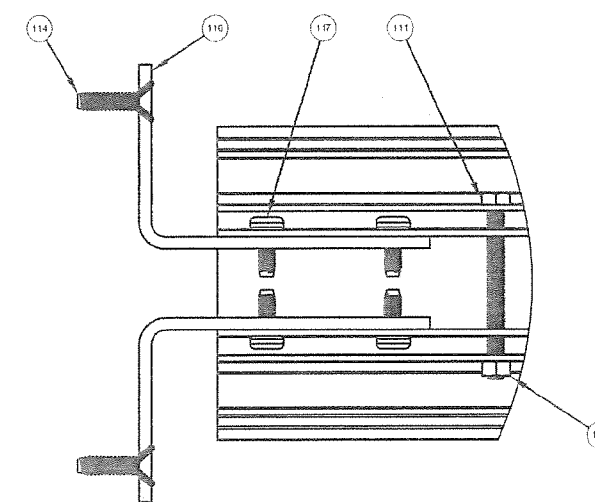
Section D-D
True Divided 4" Muntin



Section F-F
True Divided 4" Muntin



Section D-D
True Divided 2" Muntin



Section G-G
True Divided 2" Muntin

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DRAWN BY		DATE	
DBN		10/11/2019	
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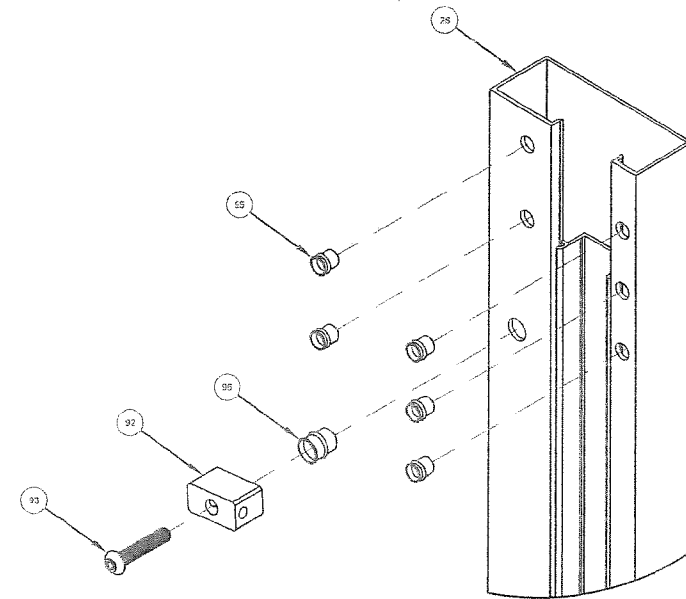
ASSA ABLOY

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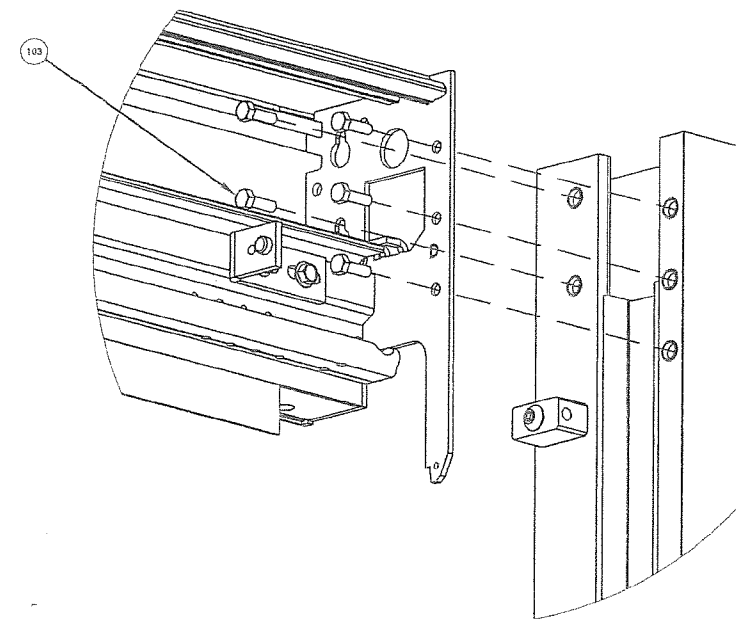
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MONROE, NC 28110
PHONE: 1-866-237-2687

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SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
FIXED SIDELITE - LMI LEVEL D (50 FT/S)

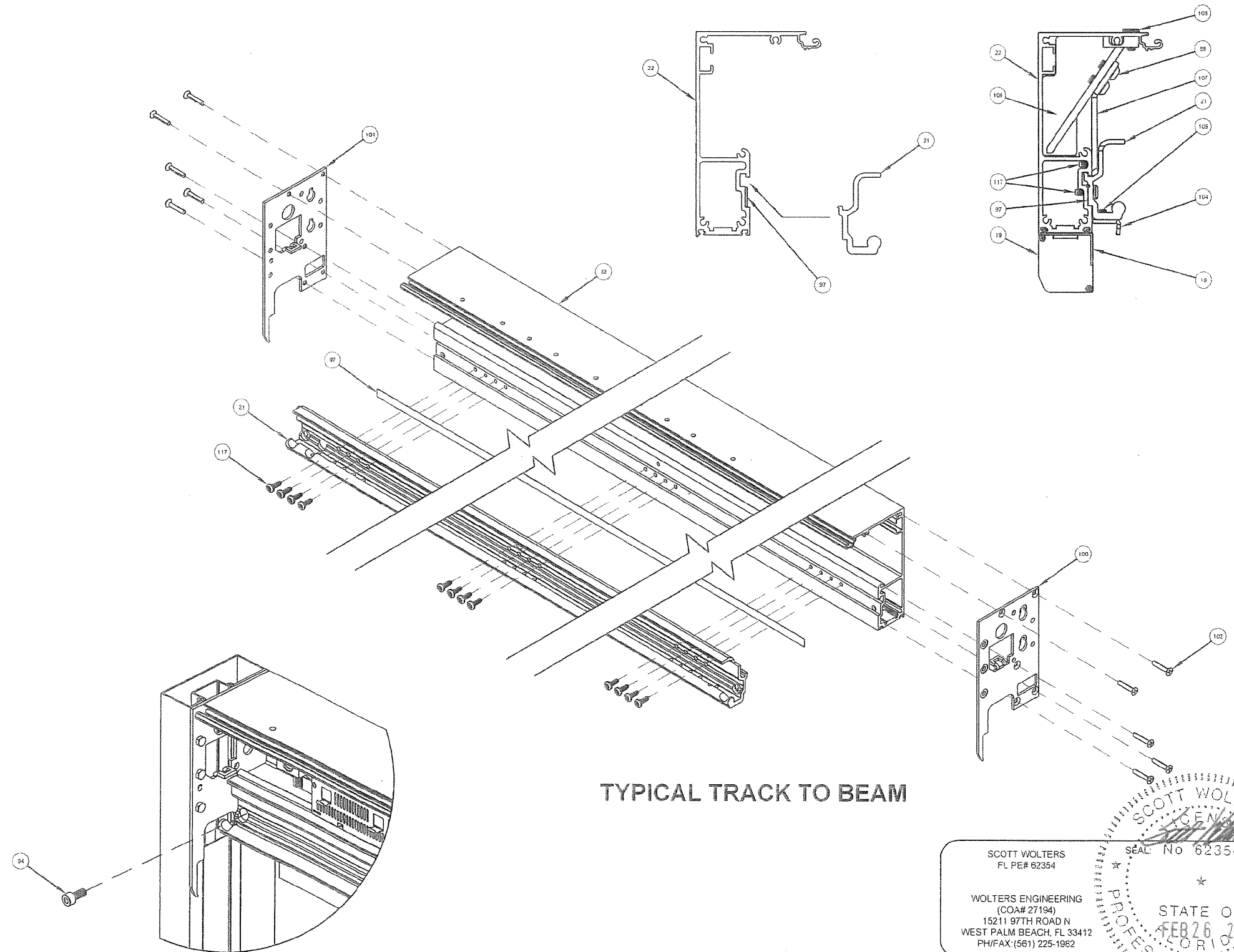
Revisions			
Rev	Description	Date	Approved
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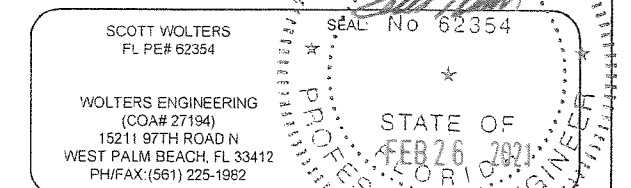
JAMB ASSEMBLY




TYPICAL BEAM TO JAMB



TYPICAL TRACK TO BEAM



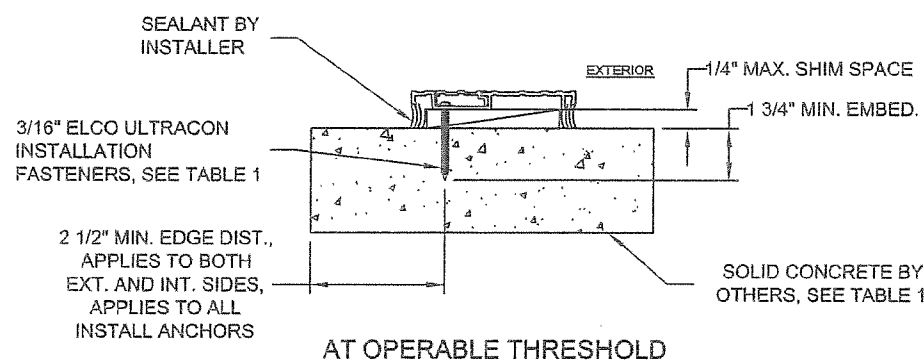
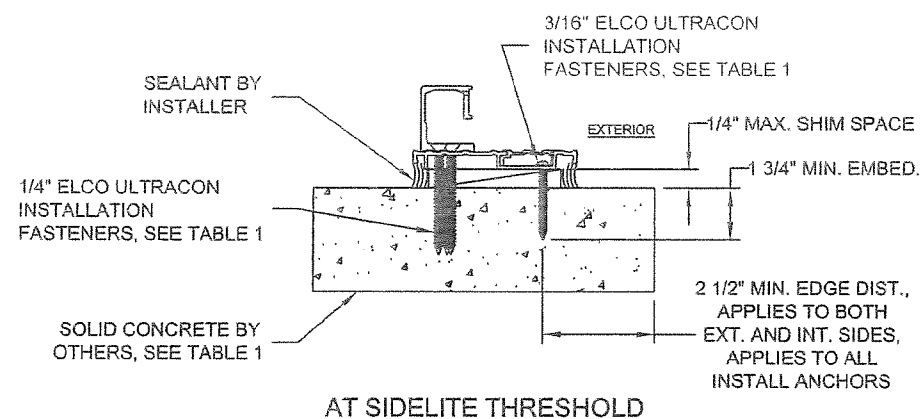
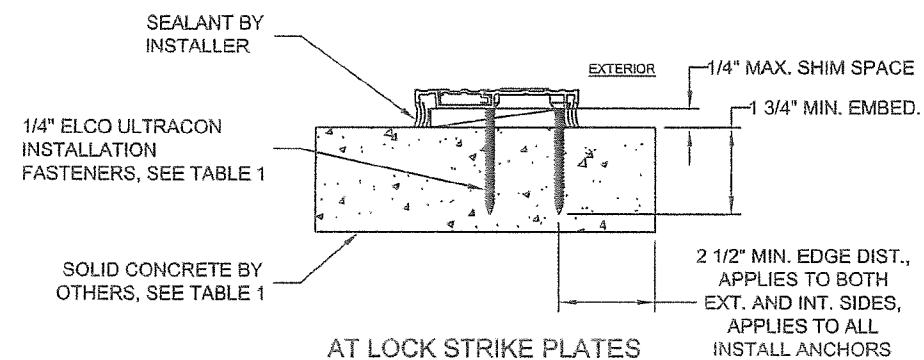
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TYPICAL SILL ANCHOR DETAILS IN CONCRETE



TYPICAL SILL ANCHOR DETAILS IN WOOD

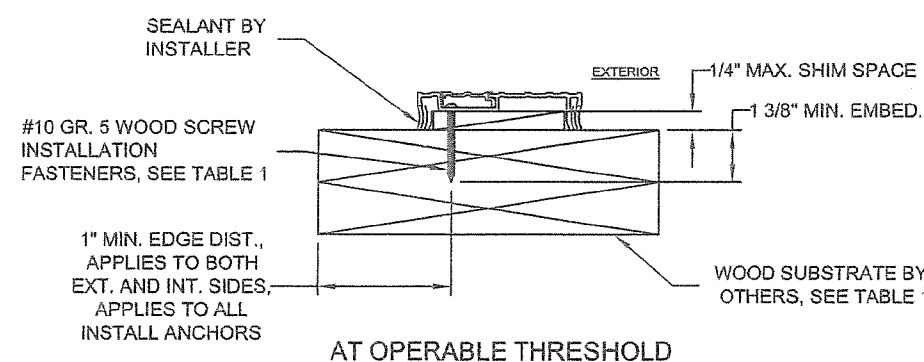
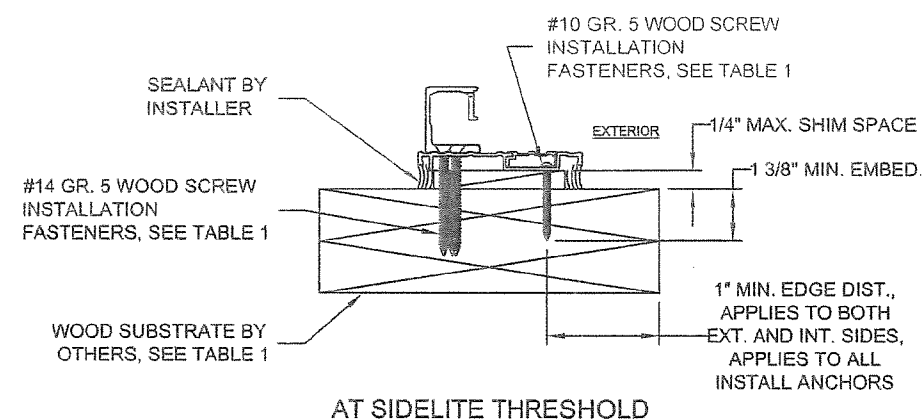
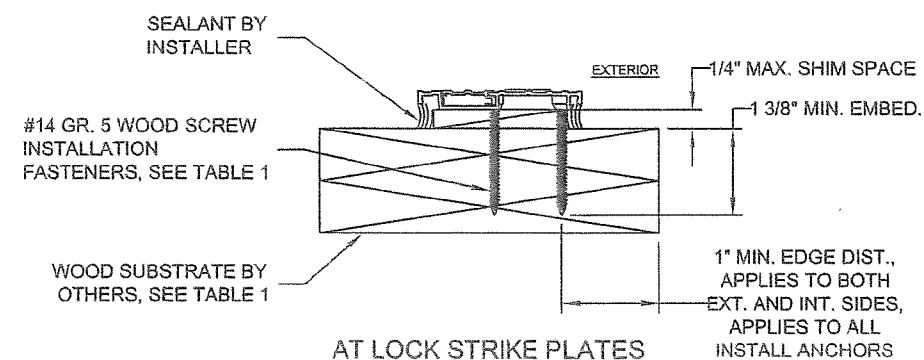



TABLE 1: INSTALLATION ANCHOR REQUIREMENTS

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

**FULLY PENETRATES METAL WITH 3 THREADS BEYOND

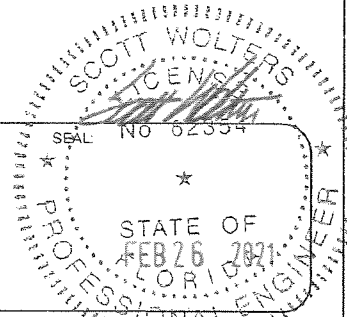
GENERAL ANCHOR NOTES:

1. INSTALL ANCHORS AS INDICATED IN DETAILS ON SHEETS 2 THRU 9.
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 4), AND 6" MIN. ON-CENTER ELSEWHERE 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. ANCHORS ARE FLATHEAD AT ALL PLATE/STRIKE LOCATIONS AND ROUND/PAN/HEX-WASHER HEAD ELSEWHERE.
7. 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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SCOTT WOLTERS
FL PE# 62354

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



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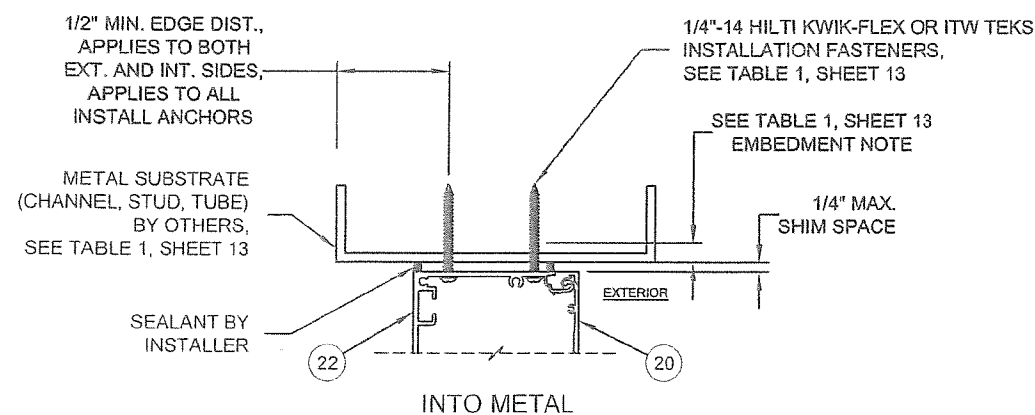
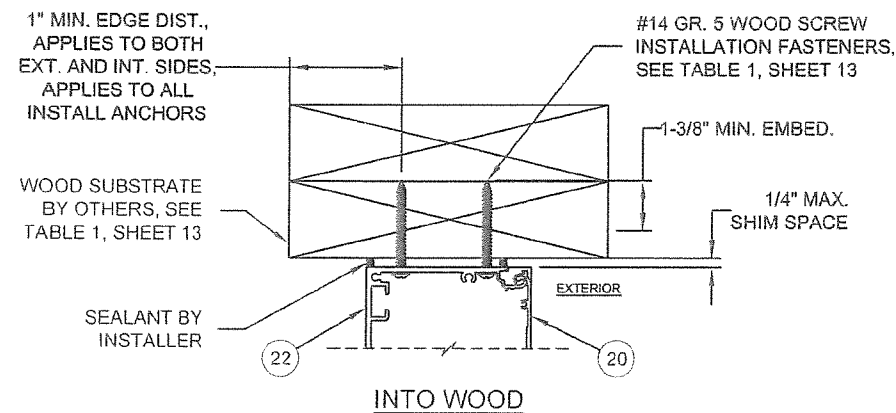
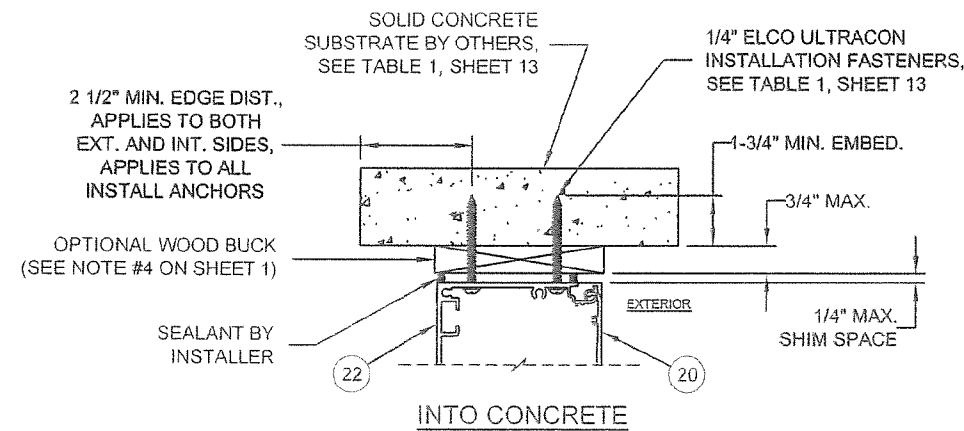
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MONROE, NC 28110
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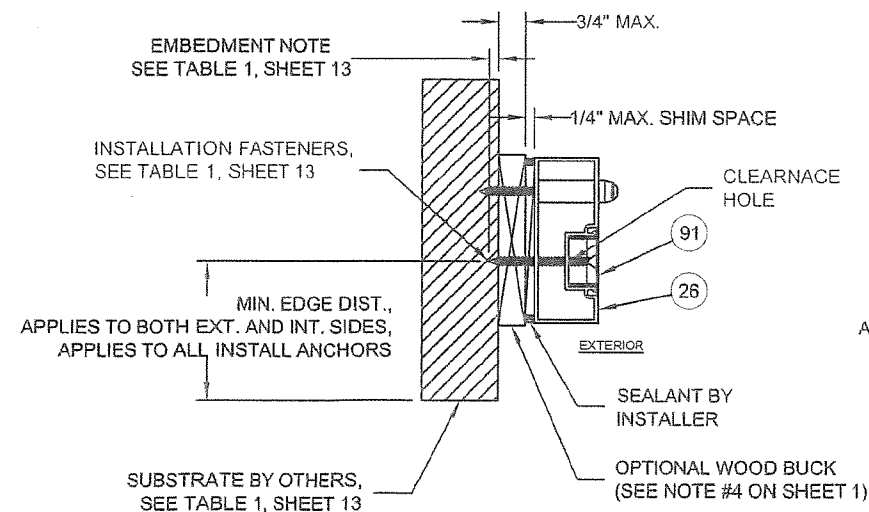
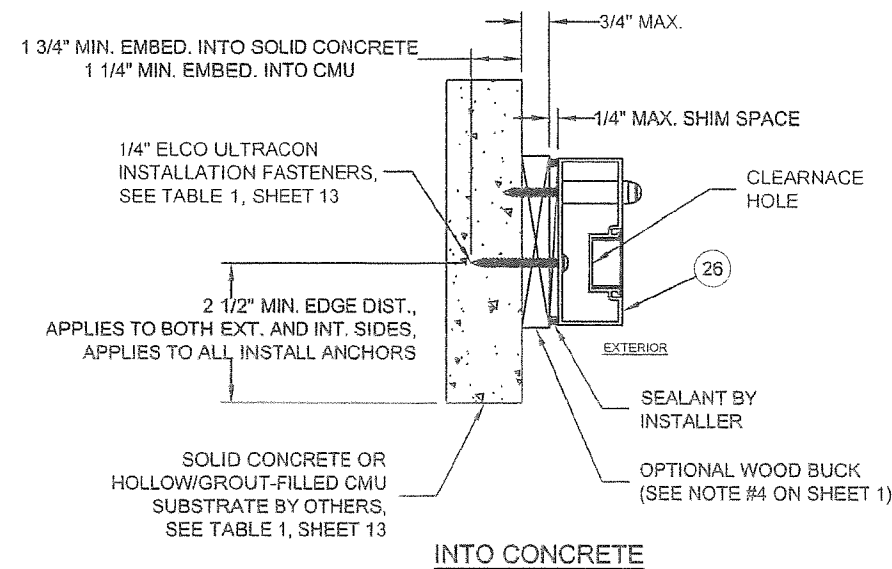
ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
FIXED SIDELITE - LMI LEVEL D (50 FT/S)

Revisions			
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0	Initial Release		SJF

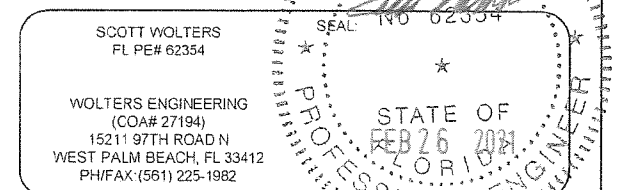
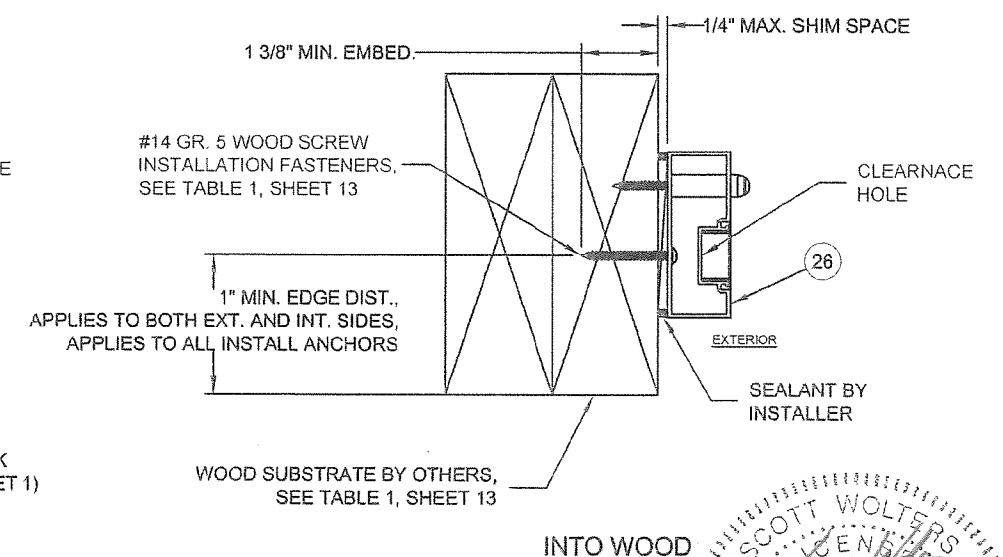
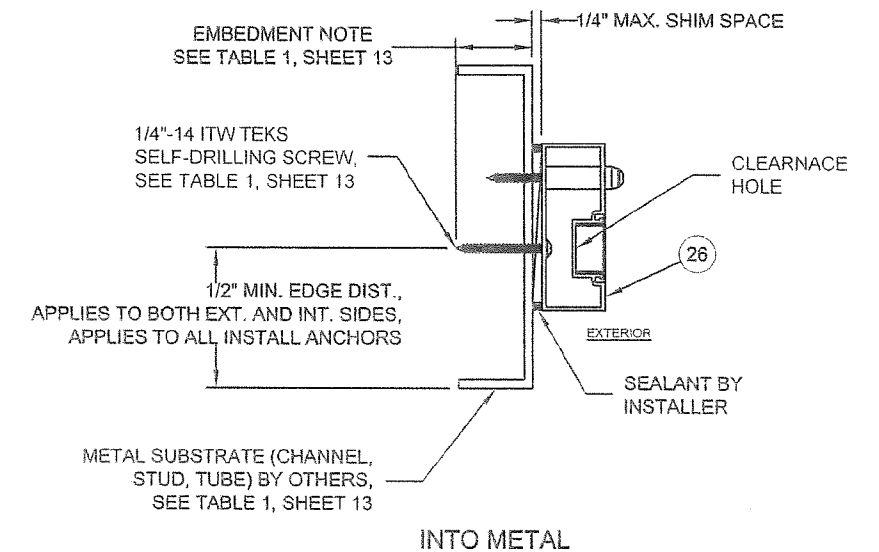
TYPICAL HEADER ANCHOR DETAILS



TYPICAL JAMB ANCHOR DETAILS



TYP. JAMB LOCK STRIKE INSTALLATION



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SHEET DESCRIPTION	SHEET NO. 14 OF 16

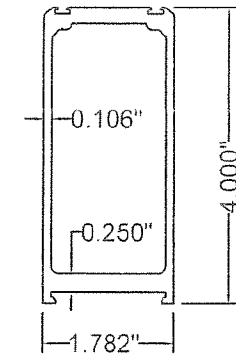
ASSA ABLOY

ASSA ABLOY

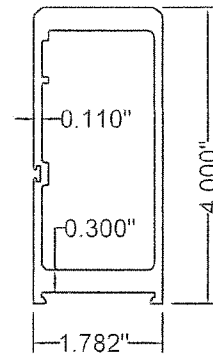
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MONROE, NC 28110
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SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
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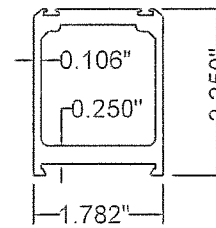
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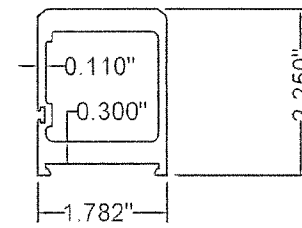
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6063-T5



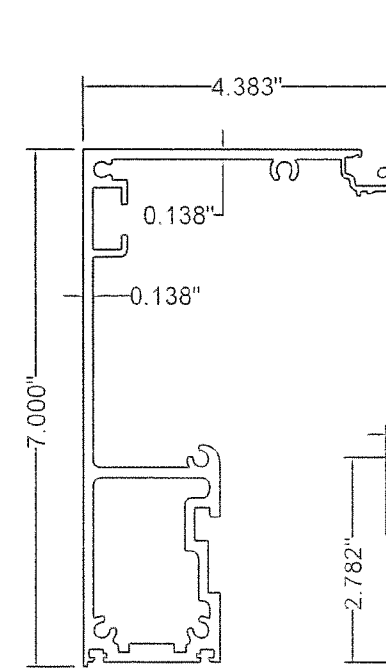
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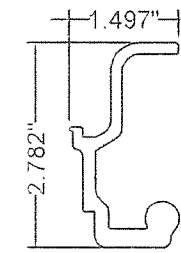
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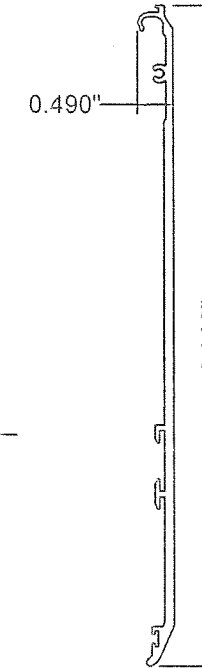
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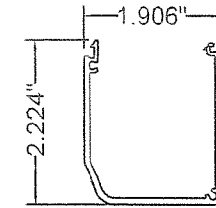
22 SL500 Beam
6063-T6



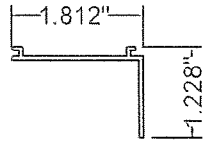
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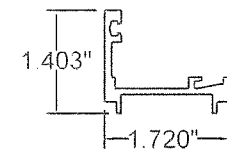
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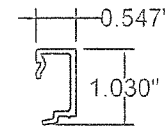
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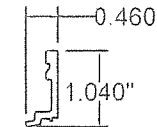
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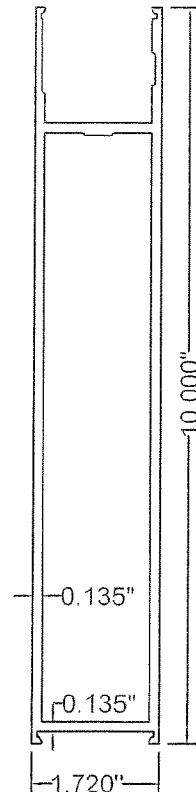
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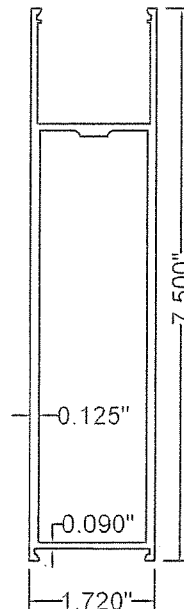
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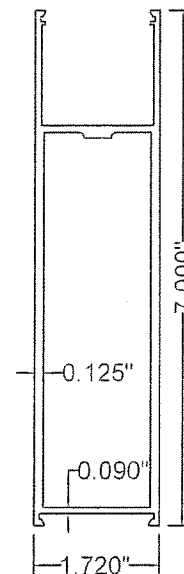
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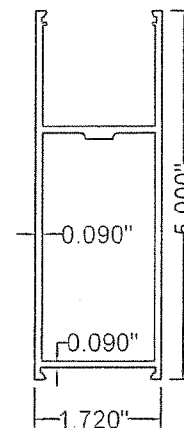
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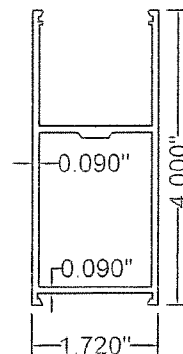
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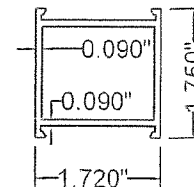
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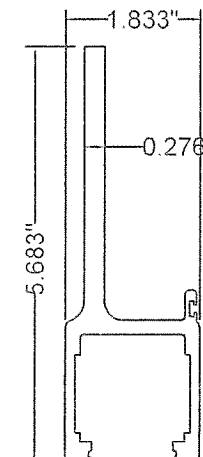
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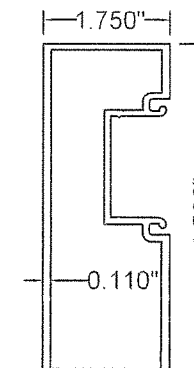
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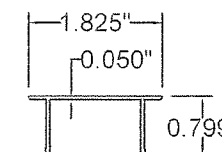
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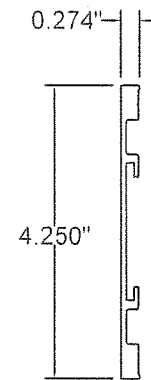
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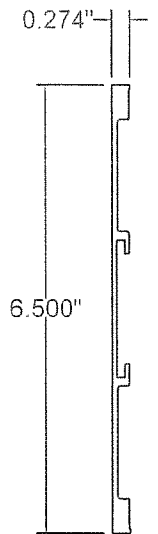
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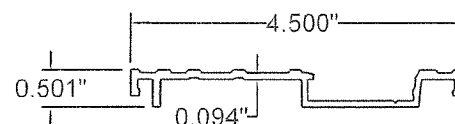
27 Jamb Snap
6063-T6



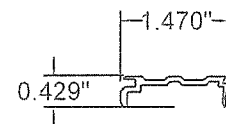
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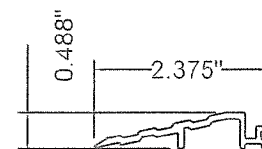
29 4\"/>



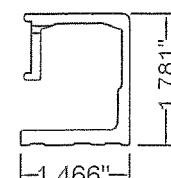
7 Threshold
6063-T6



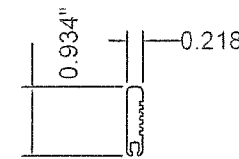
6 Filler
6063-T5



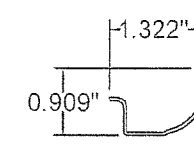
5 Leadup
6063-T5



4 G-Channel
6063-T5



3 Sweep Housing
6063-T5



2 Sweep Clip
6063-T5

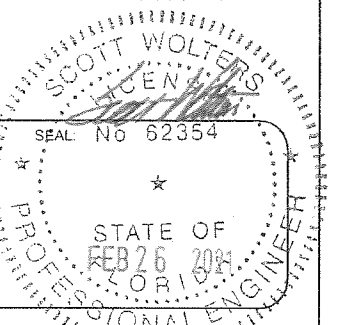
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 21-0324.10

Expiration Date 02/18/2026

By Miami-Dade Product Control

SCOTT WOLTERS
FL PE# 62354

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



DWG NO.	SL500-R104-FSL-LMI
DRAWN BY	DBN
DATE	10/11/2019
SHEET DESCRIPTION	
SHEET NO.	15 OF 16

ASSA ABLOY

ASSA ABLOY

ASSA ABLOY ENTRANCE SYSTEMS
1900 AIRPORT ROAD
MONROE, NC 28110
PHONE: 1-866-237-2687ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
FIXED SIDELITE - LMI LEVEL D (50 FT/S)

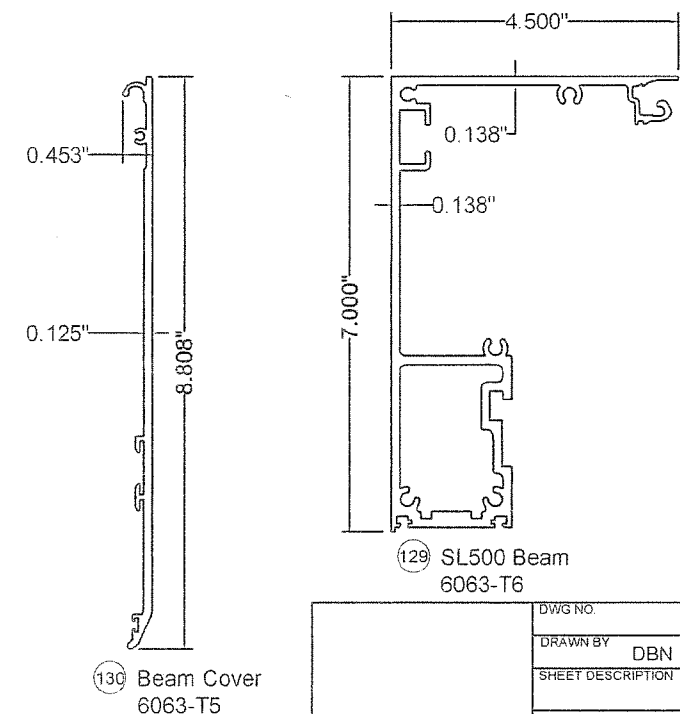
Revisions

Rev	Description	Date	Approved
0	Initial Release		SJF

POS.	DESCRIPTION	PART NO.
1	Carrier	1015669
2	Sweep Clip	1013780
3	Sweep Housing	US01-0685
4	Resilience G-Channel	1018598
5	Leadup	1013364
6	Filler	1018095
7	Threshold	1013363
8	H2 Muntin Rail	1012947
9	H4 Bottom Rail	1012942
10	H5 A/L Top Rail	1012944
11	H7 Bottom Rail	1012945
12	H7.5 S/L Top Rail	1016075
13	H10 Bottom Rail	1012946
14	V2N HD Rail	1018841
15	V1N HD Rail	1018840
16	V2M HD Rail	1018843
17	V1M HD Rail	1018842
18	Sidelite Cap Extrusion	1008138
19	XG Resilience Sensor Cap	1016738
20	Beam Cover	1016073
21	XG Resilience Track	1015670
22	SL500 Beam	1010590
23	XG Resilience 1" IG Snap	1015702
24	XG Resilience 9/16" Snap	1015701
25	Gutter	1015700
26	Jamb Tube	US01-0931
27	Jamb Snap	US01-0933
28	2" Surface Applied Muntin	1018855
29	4" Surface Applied Muntin	1018856
30	Fixed Seal (9/16" L.D. glass)	1703421
31	Fixed Seal (9/16" L.E. & 1" L.D. glass)	1703638
32	Fixed Seal (1/4" glass)	1703424
33	Wedge Seal (9/16" L.D. glass)	1703422
34	Wedge Seal (9/16" L.E. & 1" L.D. glass)	1703423
35	Wedge Seal (1/4" glass)	1703425
36	Glass Spacer Block	1016294
37	4" Anti-Twist Assembly Clip	1013803-2
38	5" Anti-Twist Assembly Clip	1013803-3
39	7" Anti-Twist Assembly Clip	1013897-2
40	7.5" Rail Clip	1016607
41	10" Anti-Twist Assembly Clip	1013897-1
42	Rod, Threaded, 3/8"	50-09-100
43	Nut, 3/8-16 Whiz flange zinc	50-09-132
44	Square Threaded Rod Nut	1016327
45	Anti-Twist Bracket	1016628
46	Anti-Twist, R96	1019248
47	XG Gutter Corner Bracket, Interlock Mount	1019594
48	Heyco Plug #4055, Black	1704108
49	Weather Strip, Tall Fuzz	US20-0905-01
50	Header Smoke Seal - 20' Length	US20-1658-02

POS.	DESCRIPTION	PART NO.
51	Sweep	US20-1627-02
52	Top Pivot Assembly	1012549
53	Locking Panel Plug, for 7/16" I.D. hole	1703680
54	Narrow Stile Eco Door Kit	1009225
55	XG PSA Arm Kit, HD	1017036
56	XG Resilience FSL Bottom Guide Assy	1019902
57	SL500 Resilience Ball Catch Kit	1017039
58	XG SL500R Bottom Roller Assy	1017854
59	XG Resilience HD Lock Pin Guide Kit	1019780
60	2 PT Lock	1703500
61	3 PT CVR Lock	1703501
62	Upper Arm 4016 lock AR 22-075	1703503
63	Upper Arm Pin 4016 lock	1703504
64	XG Lock Body Mounting Block	1019595
65	#10-32 x 1/2" Ultra Low Profile Socket Head Screw	1704073
66	Screw, PFU, 10-32x1/4", Znc nyloc	50-09-203
67	Lock Pin Assembly, Top	1016991
68	Lock Pin Assembly, Bottom	1016992
69	XG Faceplate Spacer, Resilience	1019518
70	Faceplate, Flush, CL/BK Fuzz	50-06-131/FB
71	Faceplate, CL, w/ BK Fuzz	50-06-102
72	#8-32 x 3/8" FHCS	1703507
73	Cylinder, Thumbturn, CL	50-06-106
74	Cylinder, Keyed-alike, CL	50-06-198KA
75	Indicator, Exit, 1-Pt, CL	50-06-161
76	Deadbolt Lever, AR4550, RH, CL	US05-0771-01
77	Deadbolt Lever, AR4550, LH, CL	US05-0771-03
78	#10-32 Steel Rivnut	US09-0852-01
79	XG Carrier Lock Strike Assy	1016637
80	Kit, Ball Catch, Carrier, CL	US05-1609-01
81	XG Blade Transmission Bracket Assy	1016644
82	XG Tandem Carriage Assembly	1016641
83	Carrier End Cap	1008415
84	Carrier End Cap Assembly	1008774
85	XG Lock Strike Plate	1016610
86	#14 x 3in FH sheetmetal screw	1703426
87	XG Resilience FSL Base Bracket	1019750
88	M8x14 BHCS	1703595
89	XG Resilience FSL Jamb Pin	1019749
90	#14 x 4in round head screw	1703494
91	Resilience Jamb Lock Strike	1017900
92	Resilience Sheer Block	1016612
93	M8x40mm BHCS Black	1703691
94	M8 x 18 SHCS	1703495
95	M6 Rivnut	US09-1560-01
96	M8 Steel Rivnut	1703429
97	Double-sided Tape (Track)	1010787
98	Carrier Positive Stop Bracket, Single Slide	1017002
99	Carrier Positive Stop Bracket, Bi-Part	1016615
100	Resilience Beam End Cap, Left	1016614

POS.	DESCRIPTION	PART NO.
101	Resilience Beam End Cap, Right	1016613
102	M6 x 30 Flathead, Posidrive Thread Forming Screw	1701704
103	Screw, HEX, m6x20, znc, CL8.8	93-09-723187
104	Beam Interlock Hook	1016622
105	M6x12, FHCS	50-09-153
106	Beam Support Weldment	1016956
107	Support Plate D	1016955
108	5/16-18 Low Profile Wafer Screws	1703593
109	Cover Latch Assembly	1008094
110	XG Muntin 'L' Bracket, Resilience	1019660
111	XG M6x60mm HHCS	1703666
112	XG M6x115mm HHCS, CL	1703710
113	M6 HEX NUT	04-09-726016
114	XG M6x25mm FHCS, Thread Former, Phillips Drive	1703679
115	Double-sided Tape (Surface Applied Muntin)	1704179
116	Resilience Crash Bar Kit	1017922
117	M6x16mm Trilobe BHCS	1703493
118	#10x1" PPH Tek Screw	70-09-216
119	Screw, HWH, 1/4-14x1"TEK	US09-1294-01
120	M5x8mm BHCS	1703508
121	M6x12mm SHCS BLK Zinc	1703632
122	M6x14mm BHCS	1703471-02
123	#14 x 2.5in BH sheetmetal screw	1703431
124	#10 x 2in PH sheetmetal screw	1703427
125	1/4"-14 x 2" HWH #3 Pt steel self drilling screw	1703633
126	1/4" x 3-1/4" PFH Elco Ultracon Conc. Anchor	1703634
127	3/16" x 1-3/4" HWH Elco Ultracon Conc. Anchor	1703635
128	1/4" x 1-3/4" HWH Elco Ultracon Conc. Anchor	1703636
129	Alternate SL500 Beam	1021586
130	Alternate Beam Cover	1021588



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By *[Signature]*
Miami-Dade Product Control

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FL PE# 62354

No 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982FEB 26 2021
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DWG NO. SL500-R104-FSL-LMI
DRAWN BY DBN DATE 10/11/2019
SHEET DESCRIPTION SHEET NO. 16 of 16

ASSA ABLOY