MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

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

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 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 Non-Impact

APPROVAL DOCUMENT: Drawing No. **SL500-R104FBO-NI-HVHZ** titled "Series SL-500 Resilience R104 Sliding Door System Bi-Parting and Single Sliding Non-Impact", sheets 1 through 21 of 21, dated 07/19/2019 with revision 2 dated on 03/03/2020, prepared by manufacture, signed and sealed by Scott Wolters, P.E. on 02/22/2021, 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: None.

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#20-0106.05** 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.**

MIAMI-DADE COUNTY APPROVED

S.Z.

05/27/2021

ASSA ABLOY Entrance System US, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOAS'

A. DRAWINGS

1. Manufacturer's die drawings and sections ***(Submitted under NOA No. 20-0106.05)***

2. Drawing No. **SL500-R104FBO-NI-HVHZ** titled "Series SL-500 Resilience R104 Sliding Door System Bi-Parting and Single Sliding Non-Impact", sheets 1 through 21 of 21, dated 07/19/2019 with revision 2 dated on 03/03/2020, prepared by manufacture, signed and sealed by Scott Wolters, P.E. ***(Submitted under NOA No. 20-0106.05)***

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94 (**0.79** cfm/ft^2 @**1.57** PSF)
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) 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. **J5787.09-550-18, J5787.10-550-18**, **J5787.11-550-18**, **J5787.12-550-18** and **J5787.13-550-18** dated 08/16/19, signed and sealed by Vinu Abraham, P.E. ***(Submitted under NOA No. 20-0106.05)***

C. CALCULATIONS

1. Anchor verification calculations dated 12/06/2019, prepared by Wolters engineering, signed and sealed by Scott Wolters, P.E. ***(Submitted under NOA No. 20-0106.05)***

2. Glazing complies w/ ASTME-1300-09.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of conformance to FBC 2017 (**6th** Edition), dated 12/06/2019, prepared by Wolters engineering, signed and sealed by Scott Wolters, P.E.

2. Statement letter of "No financial interest", dated 12/06/2019, 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 # **19-0078**, dated March 22, 2019, approved by RER.

Sifang Zhao, P.E.
Product Control Examiner
NOA No. 21-0324.09
Expiration Date: March 19, 2025
Approval Date: May 27, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **SL500-R104FBO-NI-HVHZ** titled "Series SL-500 Resilience R104 Sliding Door System Bi-Parting and Single Sliding Non-Impact", sheets 1 through 21 of 21, dated 07/19/2019 with revision 2 dated on 03/03/2020, prepared by manufacture, signed and sealed by Scott Wolters, P.E. on 02/22/2021.

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. None.

F. STATEMENTS

1. Statement letter of conformance to FBC 2020 (**7th** Edition), dated 02/22/2021, prepared by Wolters engineering, signed and sealed by Scott Wolters, P.E.

G. OTHER

1. This NOA revises NOA No. **20-0106.05**, expiring on 03/19/2025**.**

Sifang Zhao, P.E.
Product Control Examiner
NOA No. 21-0324.09
Expiration Date: March 19, 2025
Approval Date: May 27, 2021

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
NON IMPACT

Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	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. THIS PRODUCT IS NOT IMPACT RESISTANT. AN IMPACT RESISTANT SHUTTER SYSTEM IS 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.

DESIGN PRESSURE	IMPACT RATING
SEE TABLES ON SHEET 4	THIS PRODUCT IS NOT RATED FOR IMPACT RESISTANCE.

SCOTT WOLTERS
FL PE# 62354

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

SEAL

SCOTT WOLTERS LICENSE No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER

FEB 22 2021

[illegible]

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 21-0324.09
Expiration Date 03/19/2025
By [illegible]
Miami–Dade Product Control

DWG NO.	SL500-R104FBO-NI-HVHZ		
DRAWN BY	SJF	DATE	7/19/2019
SHEET DESCRIPTION	General Notes, Corner Construction	SHEET NO.	1 OF 21

ASSA ABLOY

ASSA ABLOY ENTRANCE SYSTEMS
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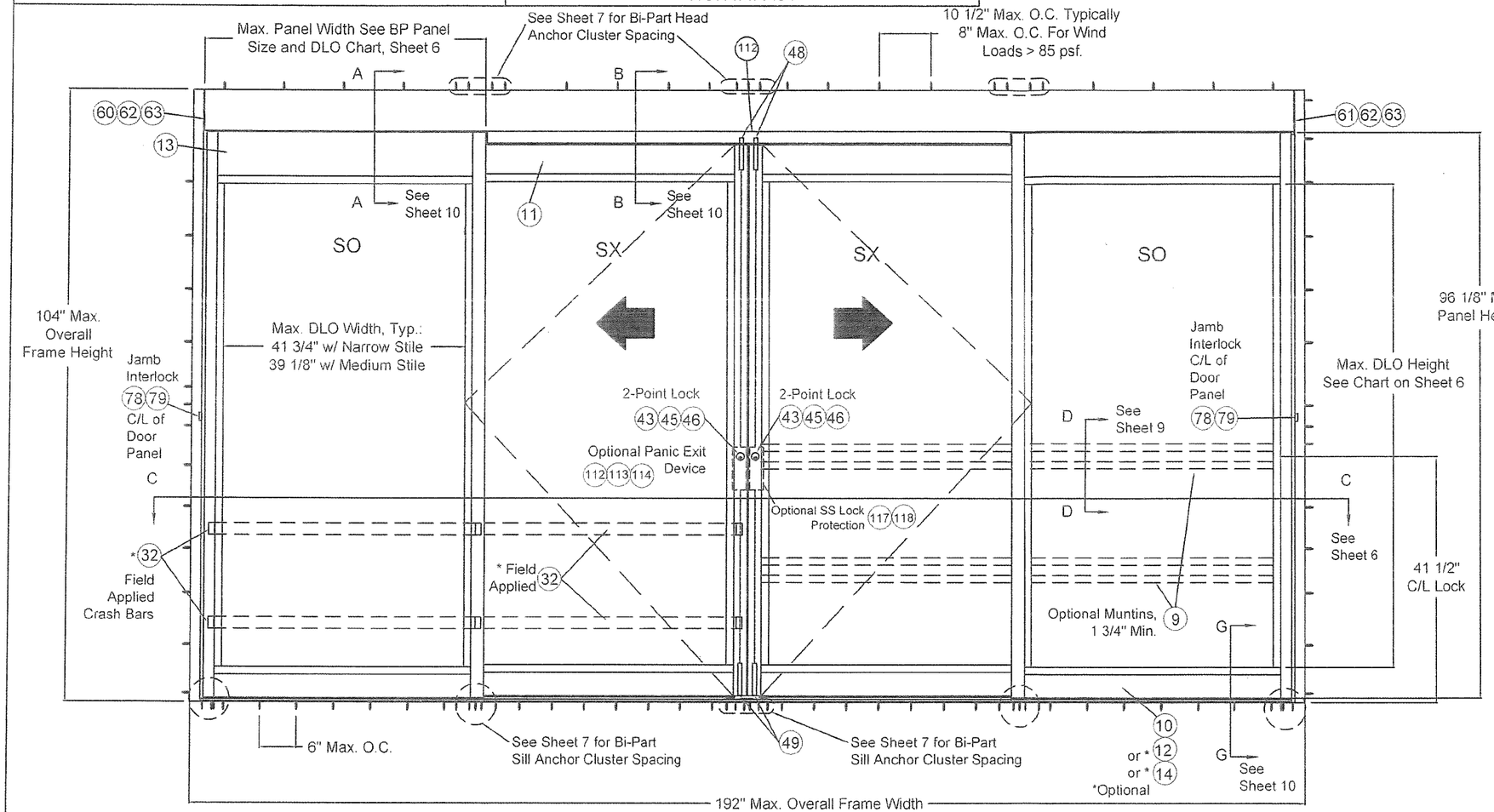
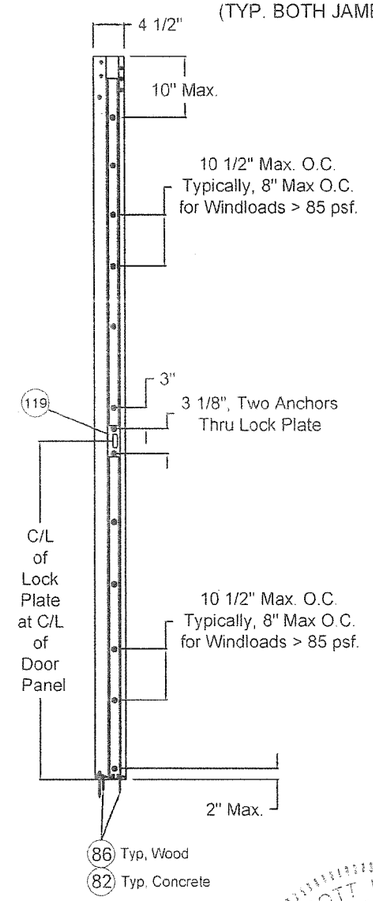
ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
NON IMPACT

NOTE: See Sheet 6 for Bi-Part Head Anchor Locations

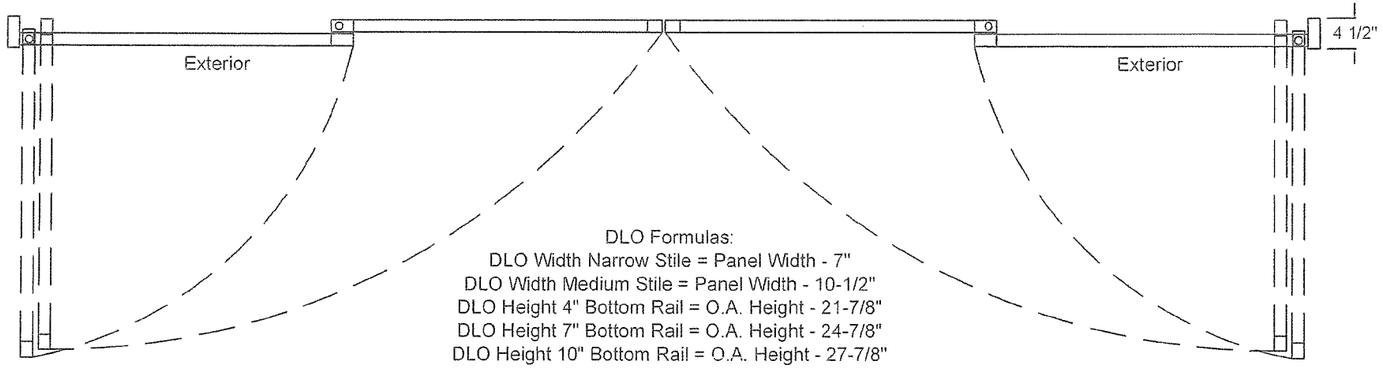
Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	SJF



SIDELITE JAMB
(TYP. BOTH JAMBS)



BP FBO (4 Panels Bi-Part Full Breakout)



DLO Formulas:
DLO Width Narrow Stile = Panel Width - 7"
DLO Width Medium Stile = Panel Width - 10-1/2"
DLO Height 4" Bottom Rail = O.A. Height - 21-7/8"
DLO Height 7" Bottom Rail = O.A. Height - 24-7/8"
DLO Height 10" Bottom Rail = O.A. Height - 27-7/8"

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SCOTT WOLTERS SEAL No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER FEB 22 2021

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 21-0324.09
Expiration Date 03/19/2025
By
Miami-Dade Product Control

DWG NO	SL500-R104FBO-NI-HVHZ
DRAWN BY SJF	DATE 7/19/2019
SHEET DESCRIPTION Bi-Part Elevation, Jamb Anchoring Locations	SHEET NO. 2 OF 21

ASSA ABLOY

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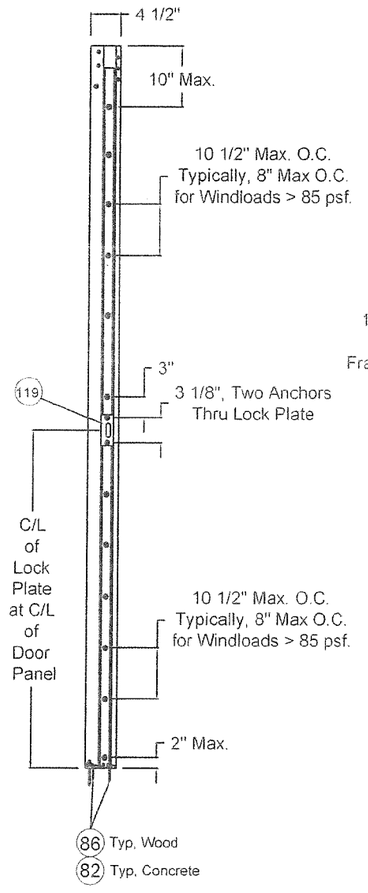
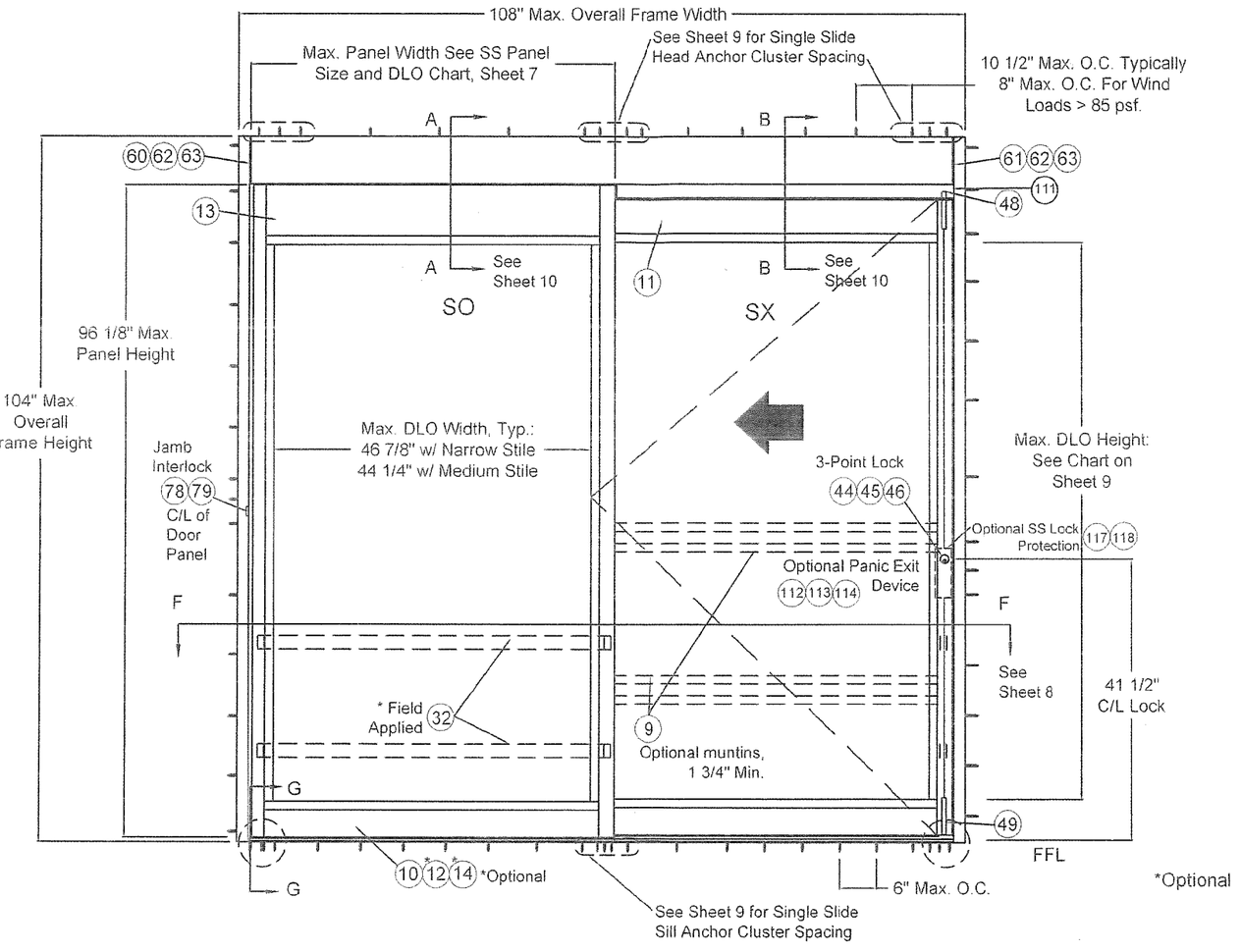
ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
NON IMPACT

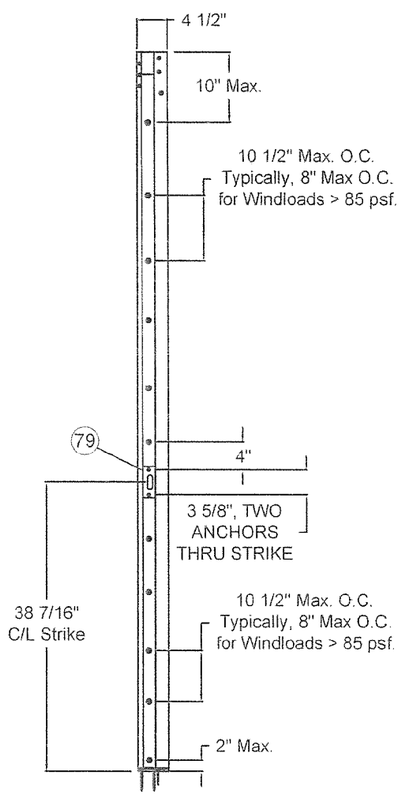
NOTE: See Sheet 8 for Single Slide Head Anchor Locations

Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	SJF



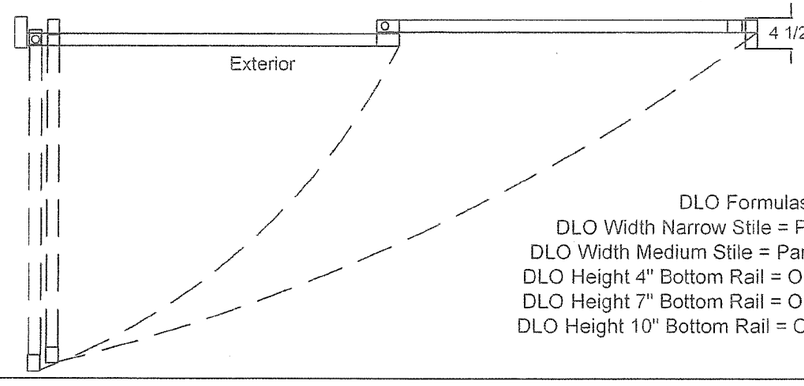
SIDELITE JAMB





ACTIVE JAMB

LH FBO (2 Panels Left-Hand Full Breakout)



DLO Formulas:
DLO Width Narrow Stile = Panel Width - 7"
DLO Width Medium Stile = Panel Width - 10 1/2"
DLO Height 4" Bottom Rail = O.A. Height - 21 7/8"
DLO Height 7" Bottom Rail = O.A. Height - 24 7/8"
DLO Height 10" Bottom Rail = O.A. Height - 27 7/8"

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SCOTT WOLTERS SEAL No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER
FEB 22 2021

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 21-0324.09
Expiration Date 03/19/2025
By
Miami–Dade Product Control

DWG NO.	SL500-R104FBO-NI-HVHZ
DRAWN BY	SJF
DATE	7/19/2019
SHEET DESCRIPTION	Single Slide Elevation, Jamb Anchoring Locations
SHEET NO.	3 OF 21

ASSA ABLOY

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ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
NON IMPACT

Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	SJF

SINGLE SLIDE - MAXIMUM DESIGN PRESSURE				
GLASS TYPE	IMPACT RATING	LOCKING HARDWARE	MAX. FRAME SIZE (in)	MAX. DESIGN PRESSURE (psf)
GLASS TYPE 4	NON-IMPACT**	3 PT. LOCK ADAMS-RITE 8600	SEE CHART BELOW SEE CHART BELOW	SEE CHART BELOW SEE CHART BELOW

** SHUTTERS ARE REQUIRED FOR WINDBORNE DEBRIS REGIONS

BI-PARTING - MAXIMUM DESIGN PRESSURE				
GLASS TYPE	IMPACT RATING	LOCKING HARDWARE	MAX. FRAME SIZE (in)	MAX. DESIGN PRESSURE (psf)
GLASS TYPE 4	NON-IMPACT**	3 PT. LOCK ADAMS-RITE 8600	SEE CHART BELOW SEE CHART BELOW	SEE CHART BELOW SEE CHART BELOW

** SHUTTERS ARE REQUIRED FOR WINDBORNE DEBRIS REGIONS

MAX DESIGN PRESSURE FOR GLASS TYPE 4 (NON-IMPACT) SINGLE SLIDE					
FRAME HEIGHT (in)	FRAME WIDTH (in)	MAX DESIGN PRESSURE +/- (psf)	FRAME HEIGHT (in)	FRAME WIDTH (in)	MAX DESIGN PRESSURE +/- (psf)
90	80	132.6	98	80	121.8
90	84	126.3	98	84	116.0
90	88	120.5	98	88	110.7
90	92	115.3	98	92	105.9
90	96	110.5	98	96	101.5
90	100	106.1	98	100	97.4
90	104	102.0	98	104	93.7
90	108	98.2	98	108	90.2
92	80	129.7	100	80	119.3
92	84	123.5	100	84	113.6
92	88	117.9	100	88	108.5
92	92	112.8	100	92	104.0
92	96	108.1	100	96	99.5
92	100	103.8	100	100	95.5
92	104	99.8	100	104	91.8
92	108	96.1	100	108	88.4
94	80	127.0	102	80	117.0
94	84	120.9	102	84	111.4
94	88	115.4	102	88	106.4
94	92	110.4	102	92	101.7
94	96	105.8	102	96	97.5
94	100	101.6	102	100	93.6
94	104	97.7	102	104	90.0
94	108	94.0	102	108	86.7
96	80	124.3	104	80	114.8
96	84	118.4	104	84	109.3
96	88	113.0	104	88	104.3
96	92	108.1	104	92	99.8
96	96	103.6	104	96	95.6
96	100	99.5	104	100	91.8
96	104	95.6	104	104	88.3
96	108	92.1	104	108	85.0

MAX DESIGN PRESSURE FOR GLASS TYPE 4 (NON-IMPACT) BI-PARTING					
FRAME HEIGHT (in)	FRAME WIDTH (in)	MAX DESIGN PRESSURE +/- (psf)	FRAME HEIGHT (in)	FRAME WIDTH (in)	MAX DESIGN PRESSURE +/- (psf)
90	120	129.4	98	120	118.9
90	144	107.9	98	144	99.0
90	168	92.4	98	168	84.9
90	192	80.9	98	192	74.3
92	120	126.6	100	120	116.5
92	144	105.5	100	144	97.1
92	168	90.4	100	168	83.2
92	192	79.1	100	192	72.8
94	120	123.9	102	120	114.2
94	144	103.3	102	144	95.2
94	168	88.5	102	168	81.6
94	192	77.4	102	192	71.4
96	120	121.3	104	120	112.0
96	144	101.1	104	144	93.3
96	168	86.7	104	168	80.0
96	192	75.8	104	192	70.0

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SEAL
SCOTT WOLTERS
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FEB 22 2021

PRODUCT REVISED
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NOA–No. 21-0324.09
Expiration Date 03/19/2025
By
Miami–Dade Product Control

DWG NO.	SL500-R104FBO-NI-HVHZ
DRAWN BY: SJF	DATE: 7/19/2019
SHEET DESCRIPTION: Design Pressure Charts	SHEET NO.: 4 OF 21

ASSA ABLOY

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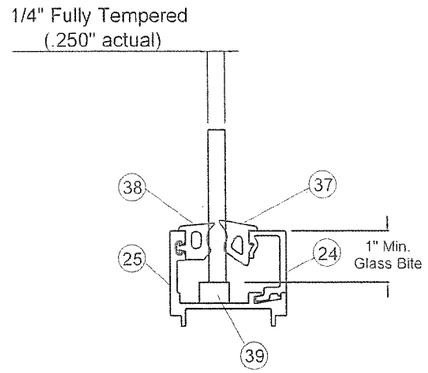
ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
NON IMPACT

Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	SJF

Glass Type 4
1/4" TEMPERED GLASS

GLASS TYPE 4 IS NOT IMPACT RESISTANT. AN IMPACT RESISTANT SHUTTER SYSTEM IS REQUIRED FOR USE IN WINDBORNE DEBRIS REGIONS.



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

NON-IMPACT

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DWG NO	SL500-R104FBO-NI-HVHZ
DRAWN BY	SJF
DATE	7/19/2019
SHEET DESCRIPTION	Glazing Details
SHEET NO.	5 OF 21

ASSA ABLOY

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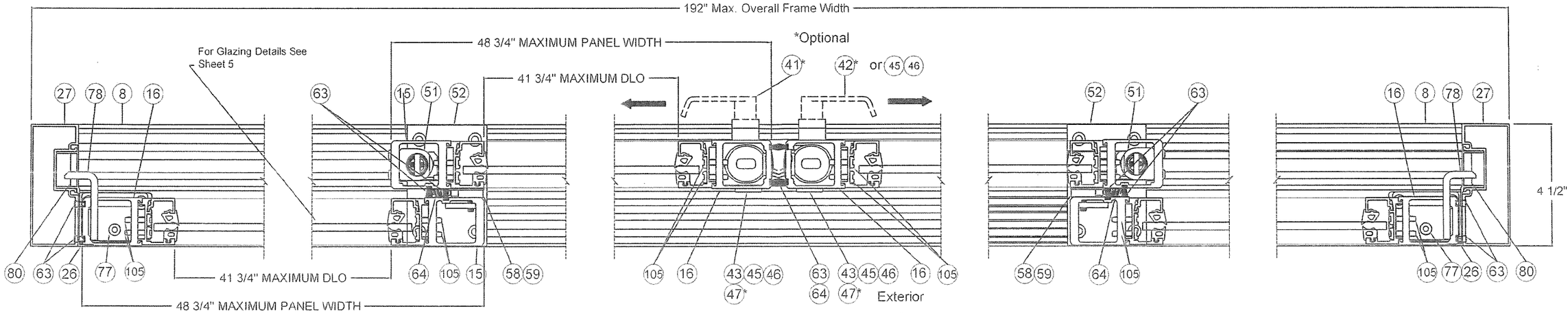
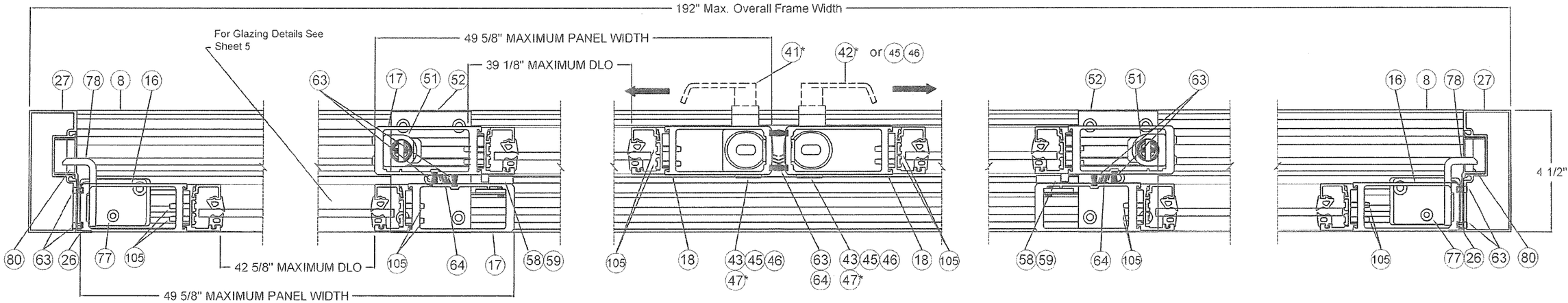
Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	SJF



Section C-C, Narrow Stile
BI-PARTING FULL BREAKOUT SHOWN



Section C-C, Medium Stile
BI-PARTING FULL BREAKOUT SHOWN

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"	42 5/8"
Bottom Rail	Maximum Panel Height	Maximum DLO Height
4"	96 1/8"	82 1/8"
7"	96 1/8"	79 1/8"
10"	96 1/8"	76 1/8"

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SCOTT WOLTERS — SEAL — No 62354 — STATE OF FLORIDA — PROFESSIONAL ENGINEER
FEB 22 2021

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as complying with the Florida Building Code
NOA-No. 21-0324.09
Expiration Date 03/19/2025
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Miami-Dade Product Control

DWG NO.	SL500-R104FBO-NI-HVHZ
DRAWN BY	SJF
DATE	7/19/2019
SHEET DESCRIPTION	Bi-Part Section Views
SHEET NO.	6 OF 21

ASSA ABLOY

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Revisions			
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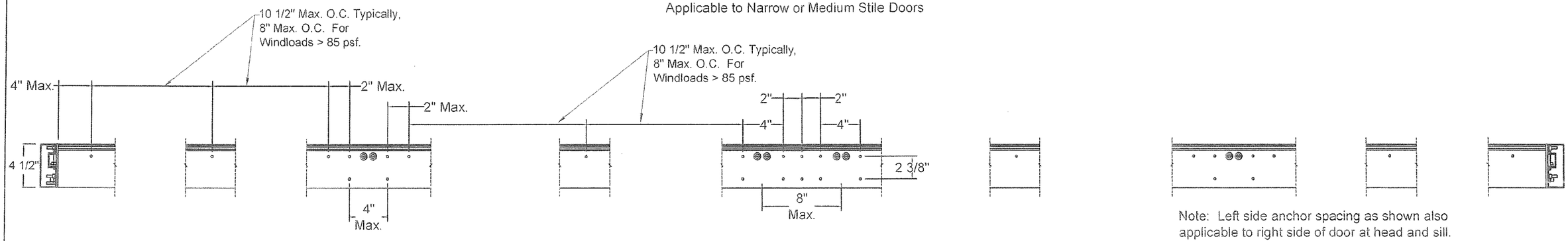
2	Formatting updates	3/3/20	SJF

BI-PART HEAD ANCHOR LOCATIONS

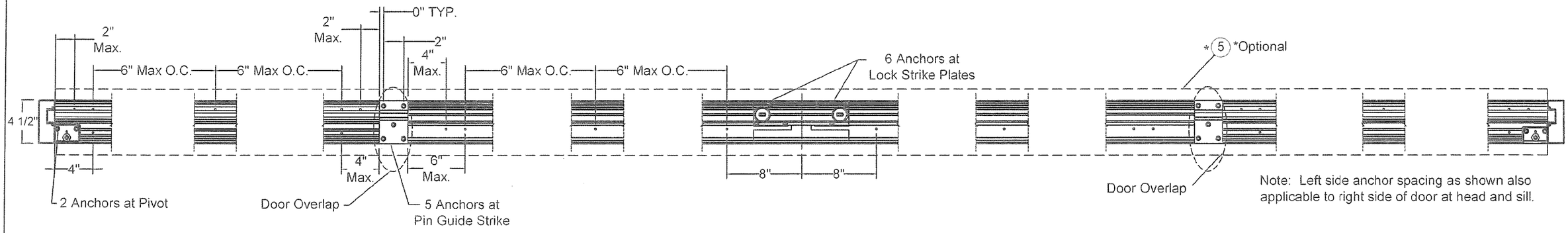
Applicable to Narrow or Medium Stile Doors



Anchor Cluster at Interlocks

Anchor Cluster at Meeting Stiles

Note: Left side anchor spacing as shown also applicable to right side of door at head and sill.



Note: Left side anchor spacing as shown also applicable to right side of door at head and sill.

BI-PART SILL ANCHOR LOCATIONS

Applicable to Narrow or Medium Stile Doors

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"	42 5/8"
Bottom Rail	Maximum Panel Height	Maximum DLO Height
4"	96 1/8"	82 1/8"
7"	96 1/8"	79 1/8"
10"	96 1/8"	76 1/8"

SCOTT WOLTERS
FL PE# 62354

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

SEAL
SCOTT WOLTERS
No 62354
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
FEB 22 2021

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 21-0324.09
Expiration Date 03/19/2025
By
Miami-Dade Product Control

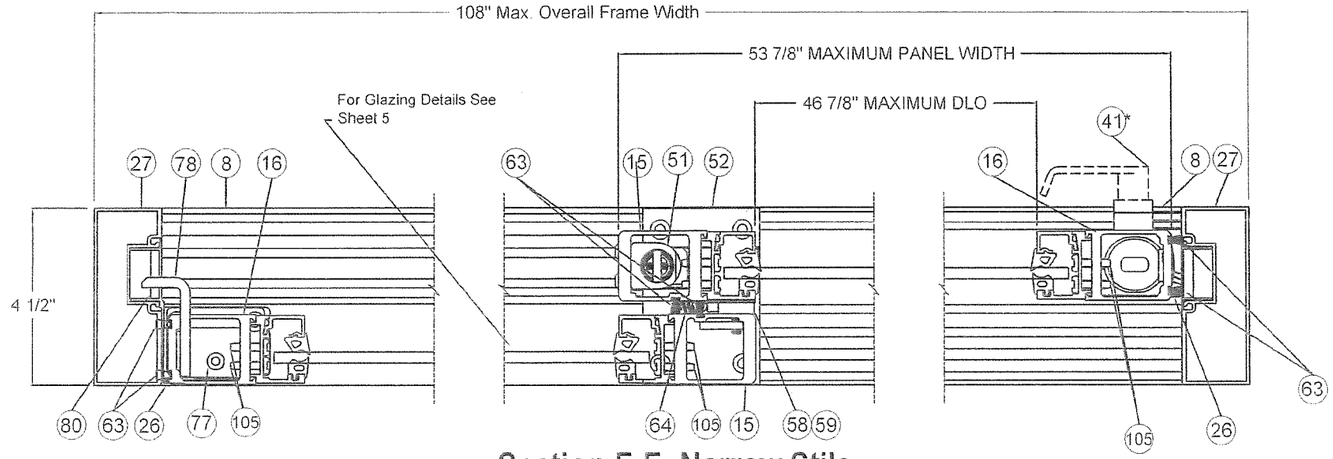
DWG NO.	SL500-R104FBO-NI-HVHZ
DRAWN BY: SJF	DATE: 7/19/2019
SHEET DESCRIPTION: Bi-Part Head and Sill Anchoring Locations	SHEET NO.: 7 OF 21

ASSA ABLOY

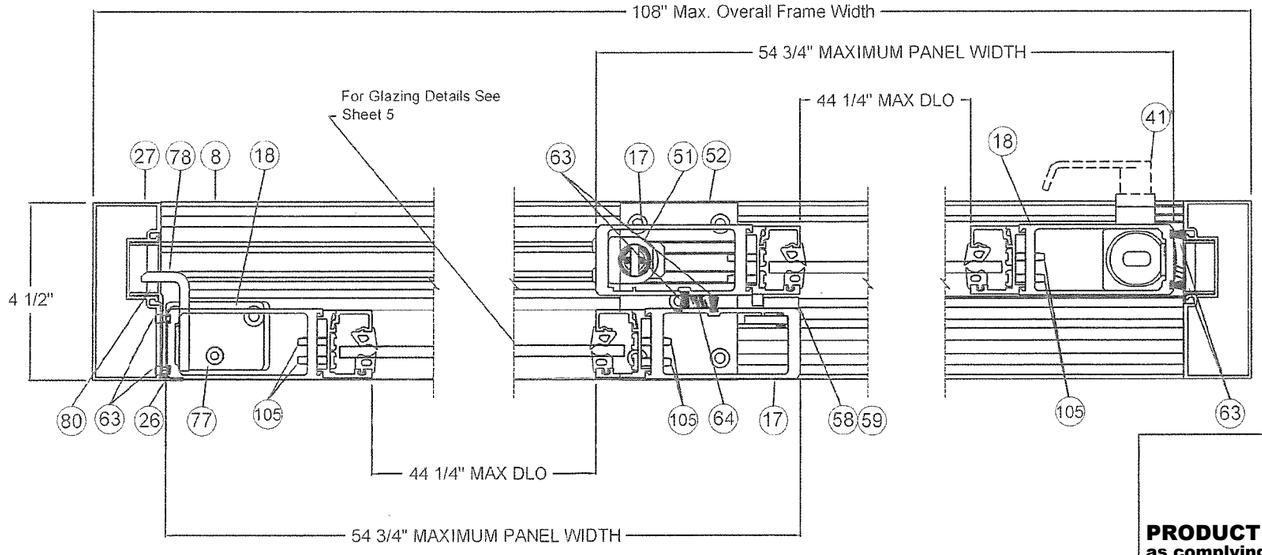
ASSA ABLOY ENTRANCE SYSTEMS
1900 AIRPORT ROAD
MONROE, NC 28110
PHONE: 1-866-237-2687

ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
NON IMPACT

Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	SJF



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"	47 3/4"
Bottom Rail	Maximum Panel Height	Maximum DLO Height
4"	96 1/8"	82 1/8"
7"	96 1/8"	79 1/8"
10"	96 1/8"	76 1/8"

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SCOTT WOLTERS — No 62354 — STATE OF FLORIDA — PROFESSIONAL ENGINEER
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DWG NO.	SL500-R104FBO-NI-HVHZ
DRAWN BY: SJF	DATE: 7/19/2019
SHEET DESCRIPTION: Single Slide Section Views	SHEET NO.: 8 OF 21

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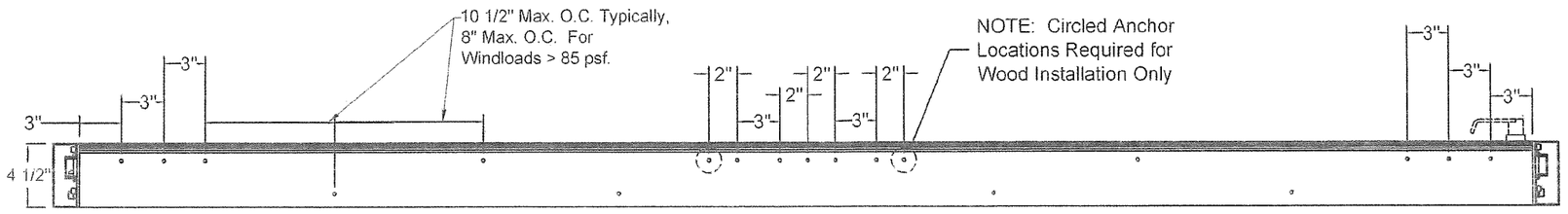
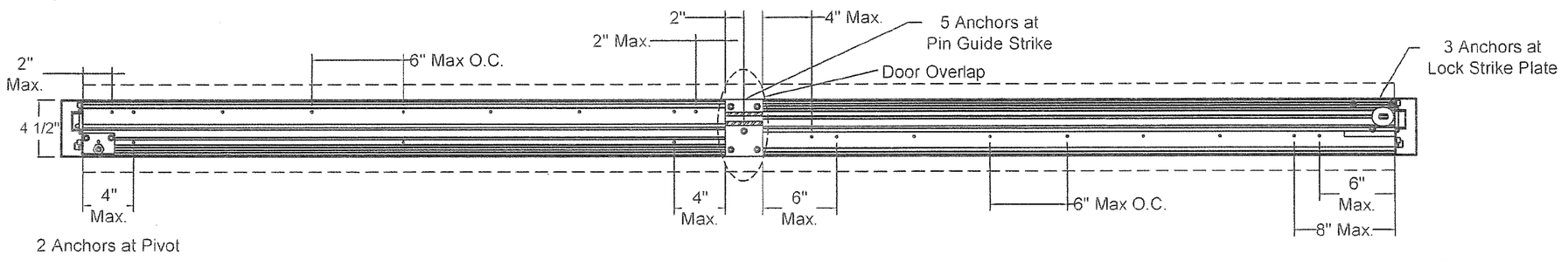
Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	SJF

SINGLE-SLIDE HEAD ANCHOR LOCATIONS





SINGLE-SLIDE SILL ANCHOR LOCATIONS

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"	47 3/4"
Bottom Rail	Maximum Panel Height	Maximum DLO Height
4"	96 1/8"	82 1/8"
7"	96 1/8"	79 1/8"
10"	96 1/8"	76 1/8"

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15211 97TH ROAD N
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NOA–No. 21-0324.09
Expiration Date 03/19/2025
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DWG NO.	SL500-R104FBO-NI-HVHZ
DRAWN BY	SJF
DATE	7/19/2019
SHEET DESCRIPTION	Single Slide Head and Sill Anchoring Locations
SHEET NO.	9 OF 21

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1900 AIRPORT ROAD
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BI-PARTING AND SINGLE SLIDING
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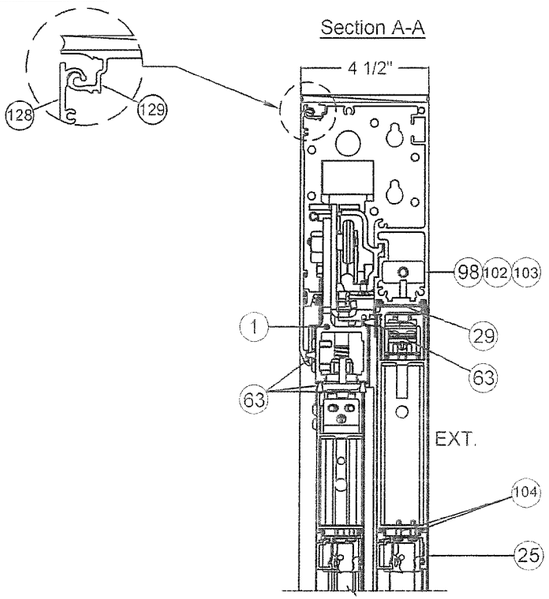
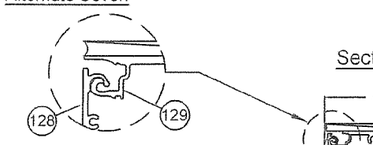
Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	SJF

Alternate Cover:

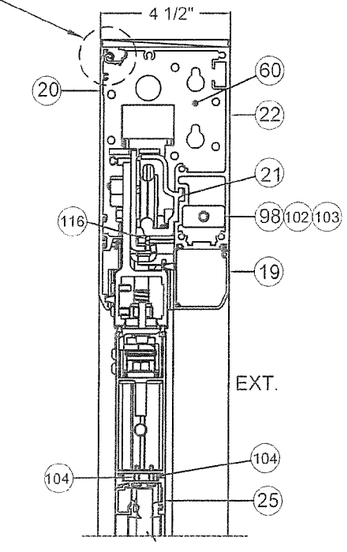


Section A-A

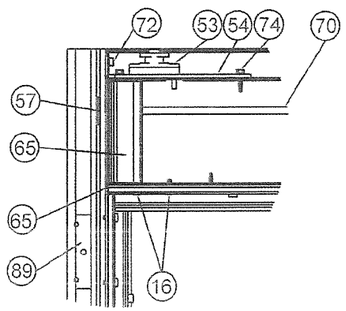
Alternate Cover:



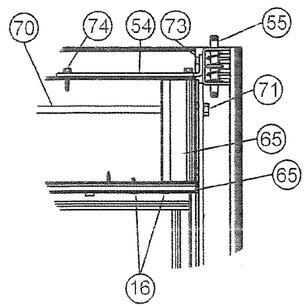
Section B-B



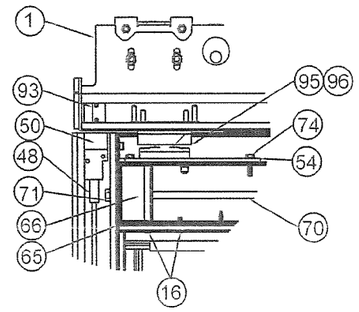
Sidelite Top Corner- Lead Side



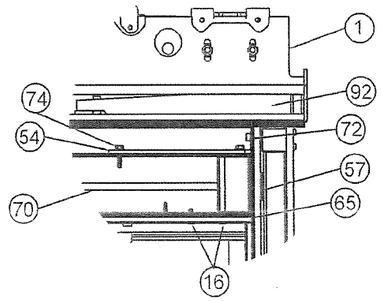
Sidelite Top Corner- Pivot Side



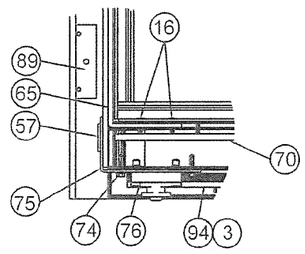
Active Leaf Top Corner- Lead Side



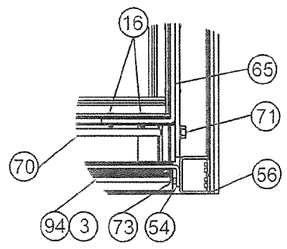
Active Leaf Top Corner-Pivot Side



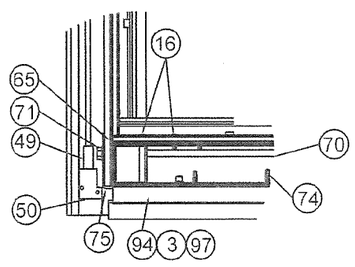
Sidelite Bottom Corner- Lead Side



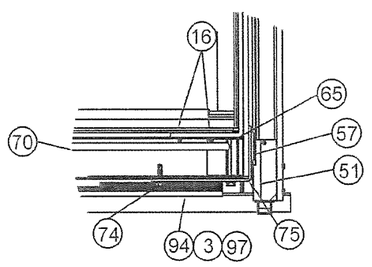
Sidelite Bottom Corner- Pivot Side



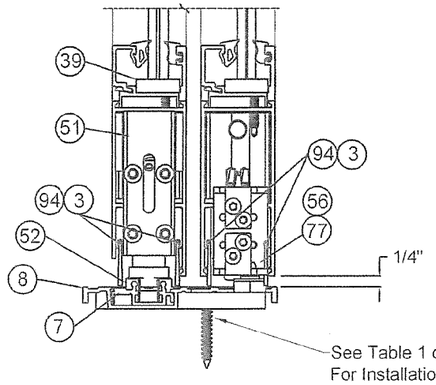
Active Leaf Bottom Corner- Lead Side



Active Leaf Bottom Corner-Pivot Side



Section G-G



See Table 1 on Sheet 13
For Installation Anchor Info.

SCOTT WOLTERS
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WOLTERS ENGINEERING
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SEAL: SCOTT WOLTERS LICENSE No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER FEB 22 2021

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 21-0324.09
Expiration Date 03/19/2025
By
Miami–Dade Product Control

DWG NO.	SL500-R104FBO-NI-HVHZ
DRAWN BY	SJF
DATE	7/19/2019
SHEET DESCRIPTION	Door Connections and Head Section Views
SHEET NO.	10 OF 21

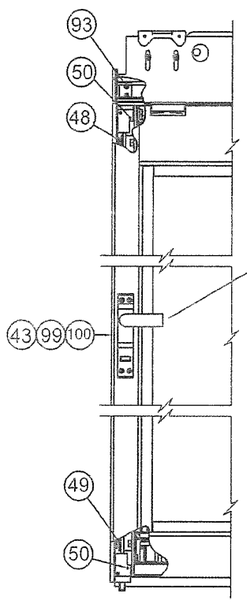
ASSA ABLOY

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

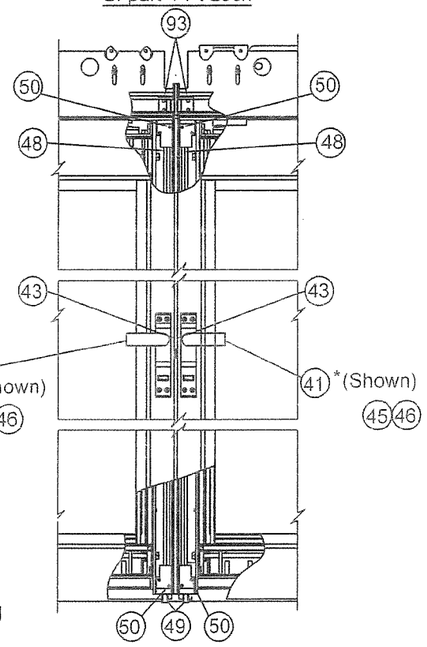
ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
NON IMPACT

Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	SJF

Single Slide 3-Pt Lock

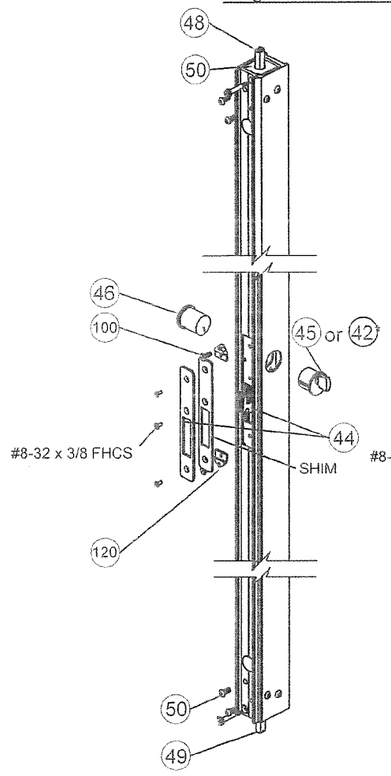


Bi-part 4-Pt Lock

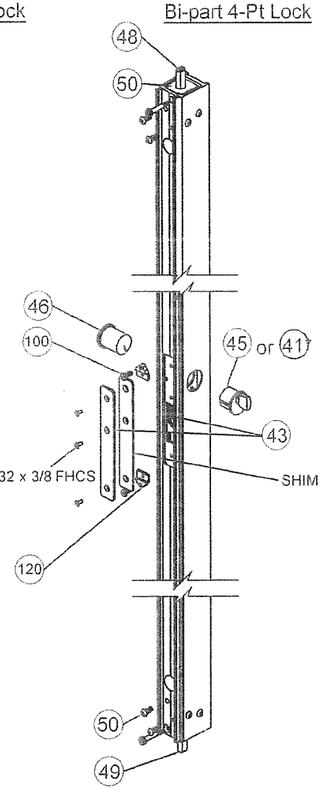


*Optional

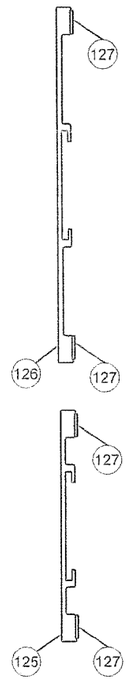
Single Slide 3-Pt Lock



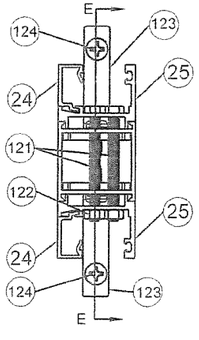
Bi-part 4-Pt Lock



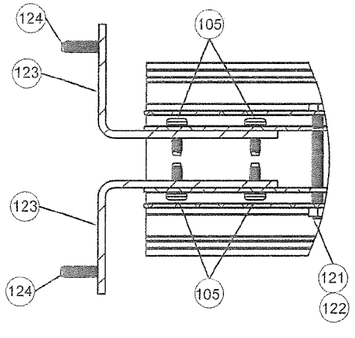
Section E-E
SURFACE APPLIED
MUNTIN



Section D-D
TRUE DIVIDED
MUNTIN



Section E-E
TRUE DIVIDED
MUNTIN



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SEAL: SCOTT WOLTERS No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER FEB 17 2021

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 21-0324.09
Expiration Date 03/19/2025
By
Miami–Dade Product Control

DWG NO.	SL500-R104FBO-NI-HVHZ
DRAWN BY	SJF
DATE	7/19/2019
SHEET DESCRIPTION	Locking Details, Muntin Details
SHEET NO.	11 OF 21

ASSA ABLOY

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PHONE: 1-866-237-2687

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BI-PARTING AND SINGLE SLIDING
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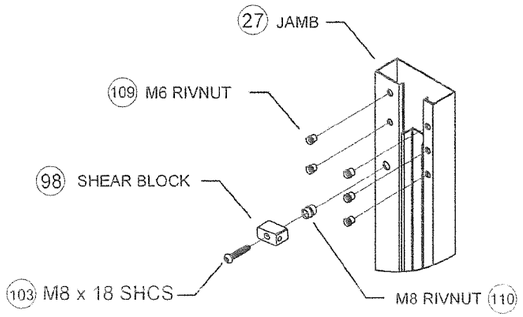
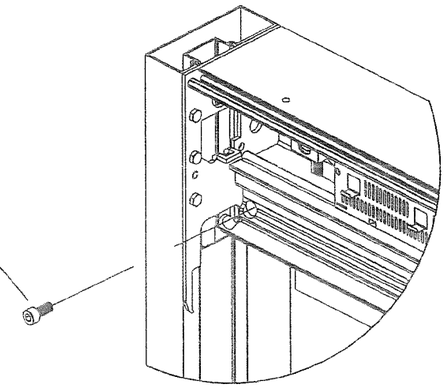
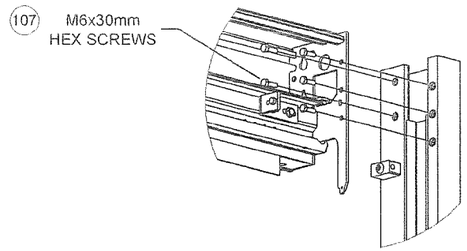
Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	SJF







TYPICAL BEAM TO JAMB

TYPICAL TRACK TO BEAM

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15211 97TH ROAD N
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SCOTT WOLTERS
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DWG NO.	SL500-R104FBO-NI-HVHZ
DRAWN BY: SJF	DATE: 7/19/2019
SHEET DESCRIPTION: Frame Connection Details	SHEET NO.: 12 OF 21

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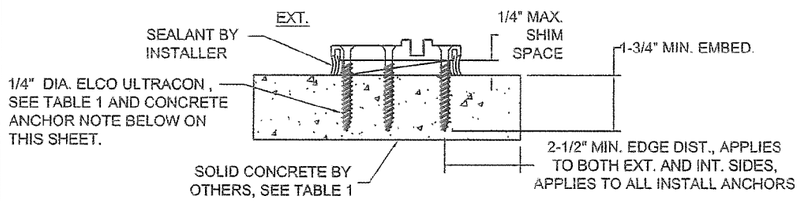
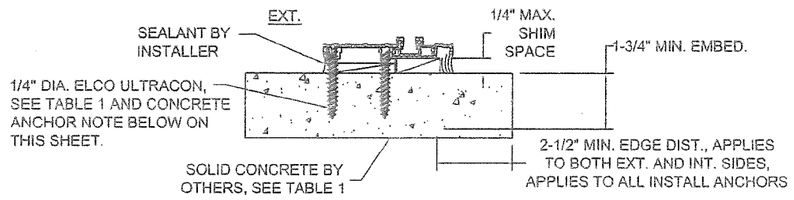
Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	SJF

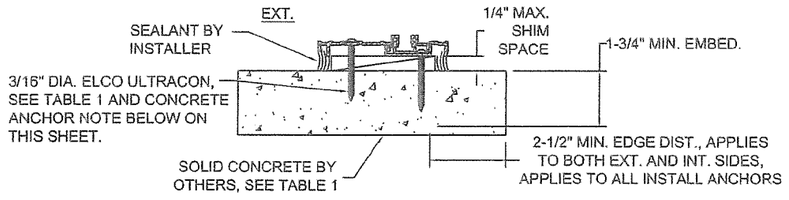
TYPICAL SILL ANCHOR DETAILS IN CONCRETE



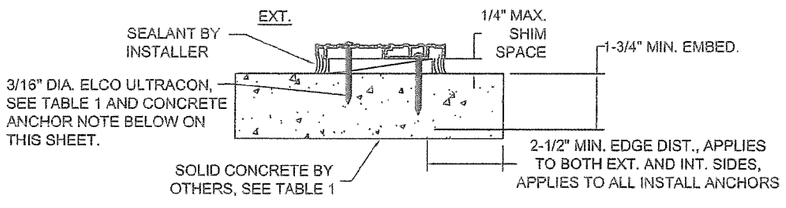
AT PIN GUIDE STRIKES



AT LOCK STRIKE PLATES

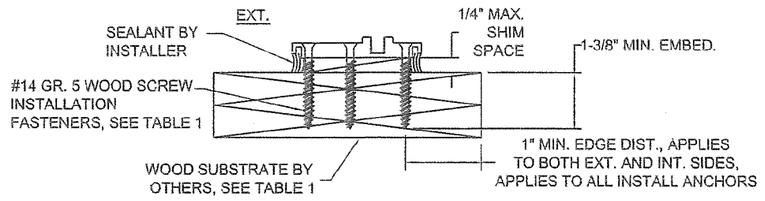


AT SIDELITE THRESHOLD

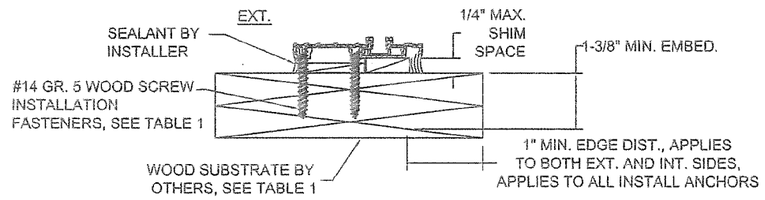


AT OPERABLE THRESHOLD

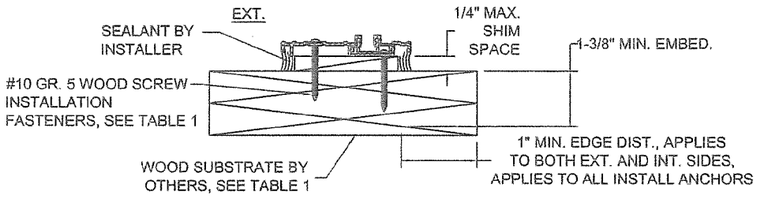
TYPICAL SILL ANCHOR DETAILS IN WOOD



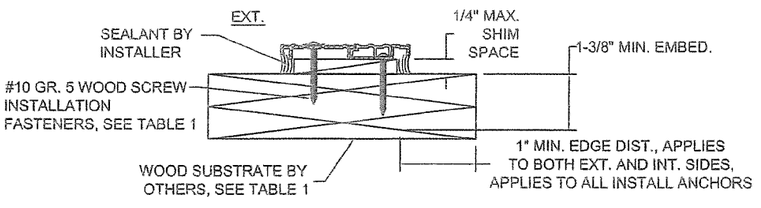
AT PIN GUIDE STRIKES



AT LOCK STRIKE PLATES



AT SIDELITE THRESHOLD



AT OPERABLE THRESHOLD

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) 3/16" DIA. ELCO ULTRACON (AT THRESHOLD ONLY)	1 3/4" 1 3/4"	2 1/2" 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 GR. 5 WOOD SCREW (TYPICALLY) #10 GR. 5 WOOD SCREW (AT THRESHOLD ONLY)	1 3/8"	1"
STEEL STUD (16 Ga, 45 ksi MIN)	1/4" DIA. ITW TEKS SELF-DRILLING SCREW	FULL[++]	1/2"
1/8" ALUMINUM (6063-T5 MIN)	1/4" DIA. ITW TEKS 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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SEAL: SCOTT WOLTERS LICENSED No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER FEB 22 2021

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.

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 21-0324.09
Expiration Date 03/19/2025
By
Miami–Dade Product Control

DWG NO.	SL500-R104FBO-NI-HVHZ
DRAWN BY	SJF
DATE	7/19/2019
SHEET DESCRIPTION	Threshold Anchoring Details, Installation Anchor Table
SHEET NO.	13 OF 21

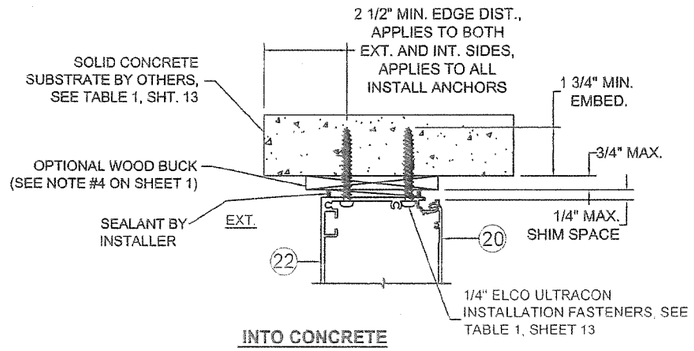
ASSA ABLOY

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

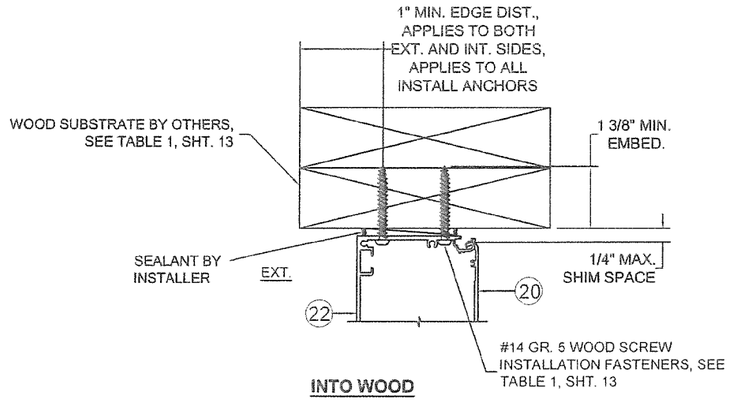
ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
NON IMPACT

Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	SJF

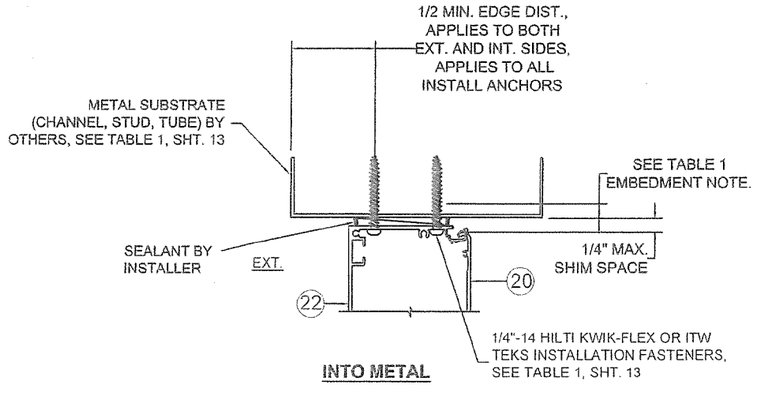
TYPICAL HEAD ANCHOR DETAILS



INTO CONCRETE

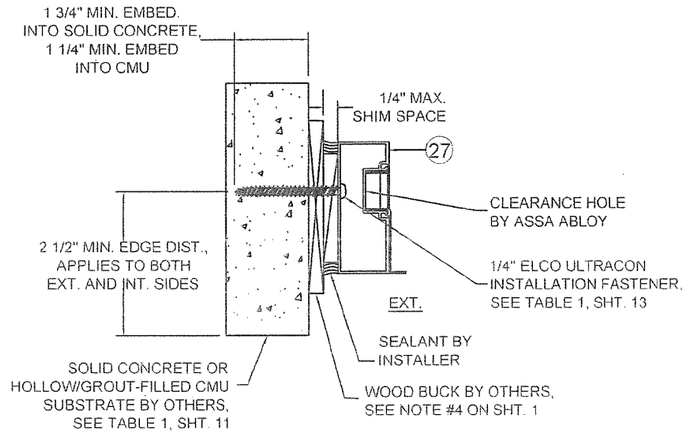


INTO WOOD

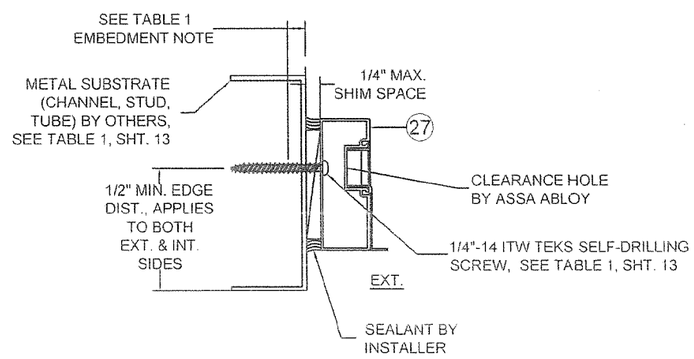


INTO METAL

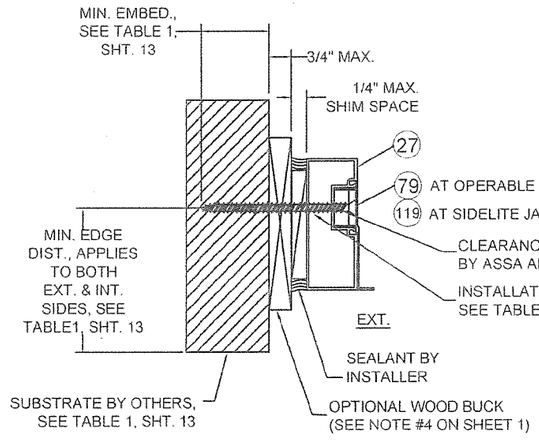
TYPICAL JAMB ANCHOR DETAILS

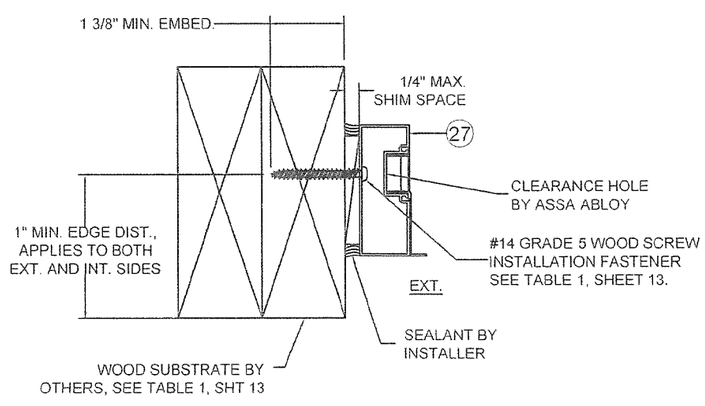


INTO CONCRETE/MASONRY



INTO METAL





INTO WOOD

TYPICAL ALT. JAMB INSTALLATION THRU LOCK PLATE/STRIKE

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 LICENSE No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER SEAL FEB 22 2021

PRODUCT REVISED
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NOA–No. 21-0324.09
Expiration Date 03/19/2025
By
Miami–Dade Product Control

DWG NO.	SL500-R104FBO-NI-HVHZ
DRAWN BY: SJF	DATE: 7/19/2019
SHEET DESCRIPTION: Head and Jamb Anchoring Details	SHEET NO.: 14 OF 21

ASSA ABLOY

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

ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
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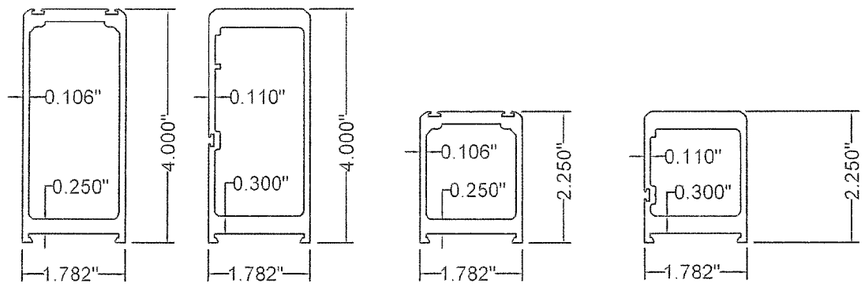
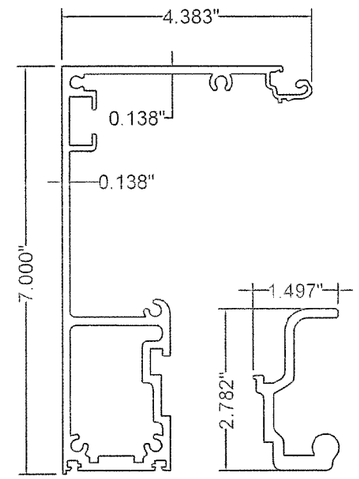
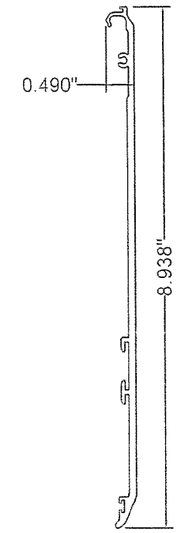
Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	SJF



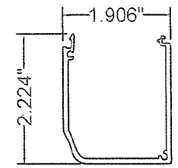
(18) V1M 6063-T5 (17) V2M 6063-T5 (16) V1N 6063-T5 (15) V2N 6063-T5



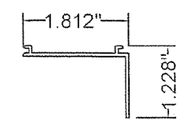
(22) SL500 Beam 6063-T6 (21) Resilience Track 6063-T5



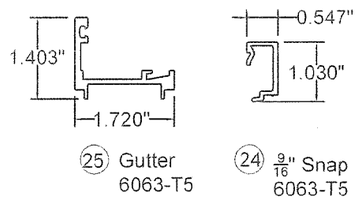
(20) Beam Cover 6063-T5



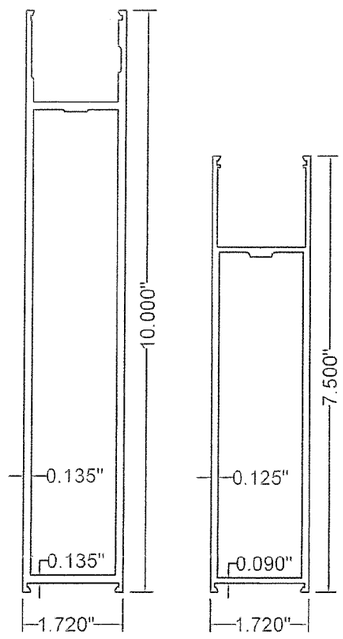
(19) Sensor Cap 6063-T6



(29) S/L Cap 6063-T5

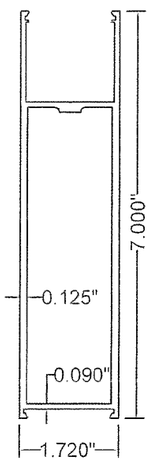


(25) Gutter 6063-T5 (24) 9/16" Snap 6063-T5 (23) 1" Snap 6063-T6

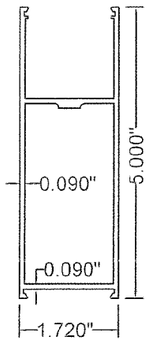


(14) H10 6063-T5

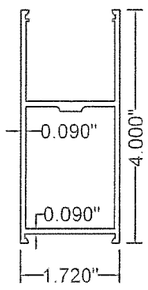
(13) H7.5 6063-T6



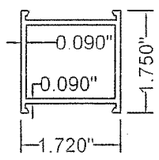
(12) H7 6063-T5



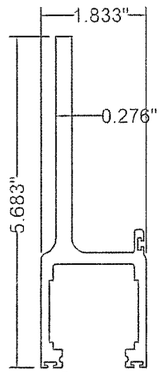
(11) H5 6063-T5



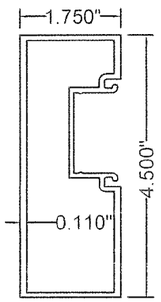
(10) H4 6063-T5



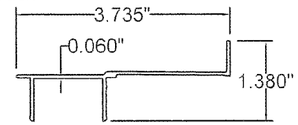
(9) H2 6063-T5



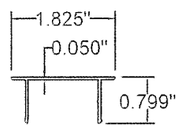
(1) Carrier 6063-T6



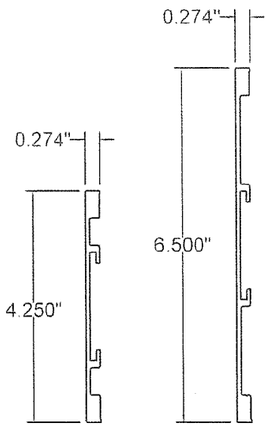
(27) Jamb 6063-T6



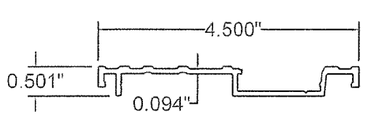
(26) Resilience Jamb Filler 6063-T6



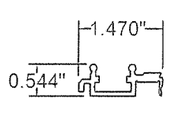
(28) Jamb Filler 6063-T6



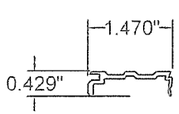
(125) False Muntin 6063-T6 (126) False Muntin 6063-T6



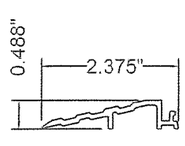
(8) Threshold 6063-T6



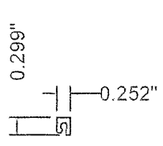
(7) Pin Guide 6063-T5



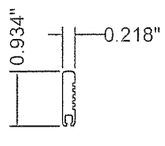
(6) Filler 6063-T5



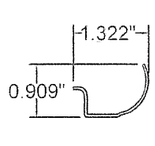
(5) Leadup 6063-T5



(4) Track Cap Nylon 6



(3) Sweep Housing 6063-T5



(2) Sweep Clip 6063-T5

SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
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SEAL: SCOTT WOLTERS No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER

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DWG NO.	SL500-R104FBO-NI-HVHZ
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SHEET DESCRIPTION	Profiles
SHEET NO.	15 OF 21

ASSA ABLOY

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1900 AIRPORT ROAD
MONROE, NC 28110
PHONE: 1-866-237-2687

ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
NON IMPACT

Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	SJF

Pos.	Description	Part.no.
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
15	V2N HD Rail	1018841
16	V1N HD Rail	1018840
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
31	Fixed Seal (1" L.D. glass)	1703638
32	Resilience Crash Bar Kit (Optional)	1017922
33	Wedge Seal (9/16" L.D. glass)	1703422
34	Fixed Seal (9/16" L.D. glass)	1703421
35	Wedge Seal (9/16" L.E. & 1" L.D. glass)	1703423
36	Fixed Seal (9/16" L.E. & 1" L.D. glass)	1703638
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
65	7.5" Rail Clip	1019594
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
76	NAPS R Btm Ball Catch Kit	1017936
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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No 62354
STATE OF FLORIDA
PROFESSIONAL ENGINEER
FEB 22 2021

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DWG NO.	SL500-R104FBO-NI-HVHZ
DRAWN BY: SJF	DATE: 7/19/2019
SHEET DESCRIPTION: Bill of Materials, Sheet 1 of 2	SHEET NO.: 16 of 21

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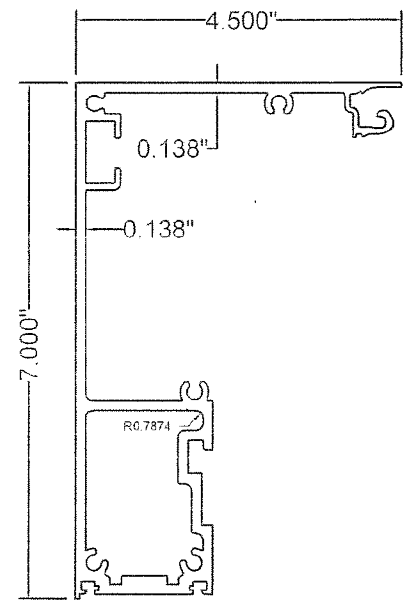
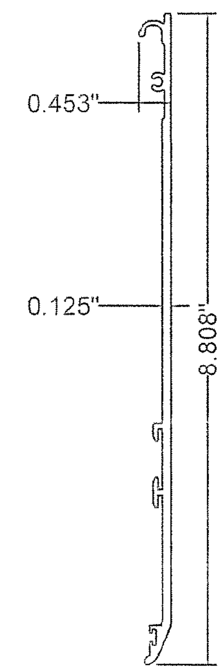
BI-PARTING AND SINGLE SLIDING
NON IMPACT

Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	SJF

Pos.	Description	Part.no.
111	Carrier Positive Stop Bracket, Single Slide	1017002
112	Carrier Positive Stop Bracket, Bi-Part	1016615
113	AdamsRite 1870 Flush Bolt	1870-20-0XX
114	AdamsRite 4016 Header Bolt	4016-20-01
115	AdamsRite 8600 Exit Device - Optional	G86-11-XX
	NOTE: Items 113-115 include Concealed Rods	
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	Alternate Beam Cover	1021588
129	Alternate SL500 Beam	1021586



(129) SL500 Beam
6063-T6



(128) Beam Cover
6063-T5

SCOTT WOLTERS
FL PE# 62354

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

SEAL: SCOTT WOLTERS LICENSE No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER FEB 22 2021

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 21-0324.09
Expiration Date 03/19/2025
By
Miami–Dade Product Control

DWG NO	SL500-R104FBO-NI-HVHZ
DRAWN BY SJF	DATE 7/19/2019
SHEET DESCRIPTION: Bill of Materials, Sheet 2 of 2	SHEET NO. 17 of 21

ASSA ABLOY

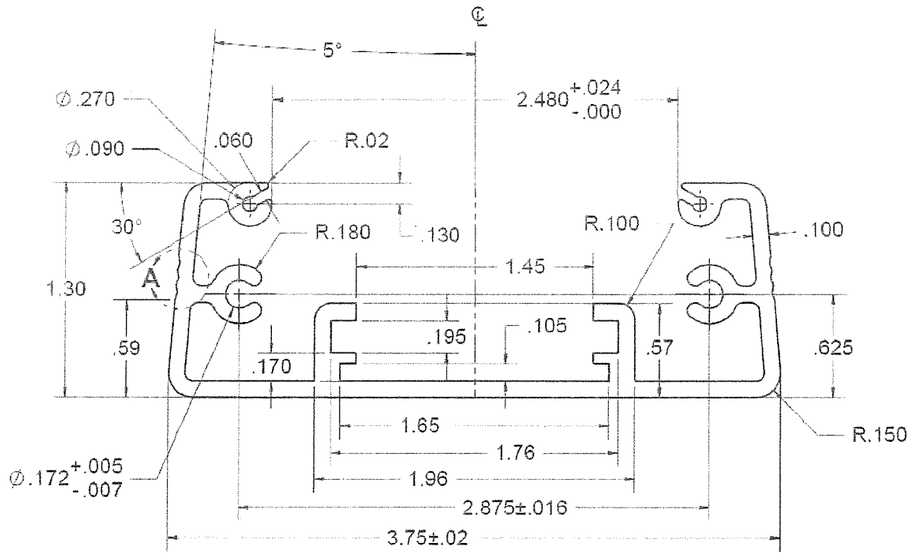
ASSA ABLOY
ASSA ABLOY ENTRANCE SYSTEMS
1900 AIRPORT ROAD
MONROE, NC 28110
PHONE: 1-866-237-2687

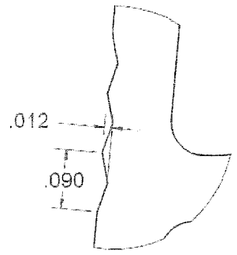
ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
NON IMPACT

Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	SJF

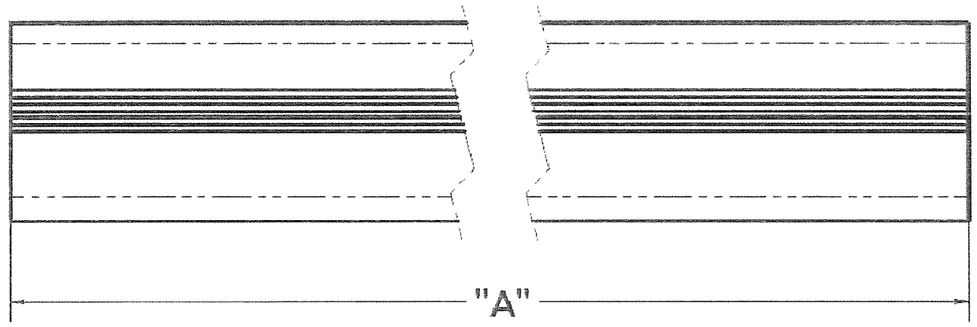
ASSA ABLOY SL500 RESILIENCE FULL BREAKOUT
LARGE & SMALL MISSLE IMPACT LEVEL D AND LEVEL E DOOR SYSTEM
ITEM NO. 115 - ADAMS RITE G86 (8600) EXIT DEVICE EXTRUSION
DETAILS - INTERIOR EXTRUSION

EXTRUSION
PUSH BAR G8X





DETAIL A
SCALE 8 : 1



P/N	DIM "A"
24-0870-30-XXX	26.125
24-0870-36-XXX	32.125
24-0870-42-XXX	38.125
24-0870-48-XXX	44.125

6. POST BAKE: NONE.
5. FINISH: 60 RMS OR BETTER.
4. HEAT TREAT: NONE.
3. MATERIAL: 6063-T6 ALUMINUM. (13'-8" LONG).
2. BREAK ALL SHARP EDGES.
1. ALL DIMENSIONS ARE FINISHED DIMENSIONS.

NOTES: UNLESS OTHERWISE SPECIFIED.

SCOTT WOLTERS
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SEAL
SCOTT WOLTERS
No 62354
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
FEB 22 2021

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 21-0324.09
Expiration Date 03/19/2025
By
Miami–Dade Product Control

DWG NO.	SL500-R104FBO-NI-HVHZ
DRAWN BY	SJF
DATE	7/19/2019
SHEET DESCRIPTION	Panic Exit Device Interior Profile
SHEET NO.	18 of 21

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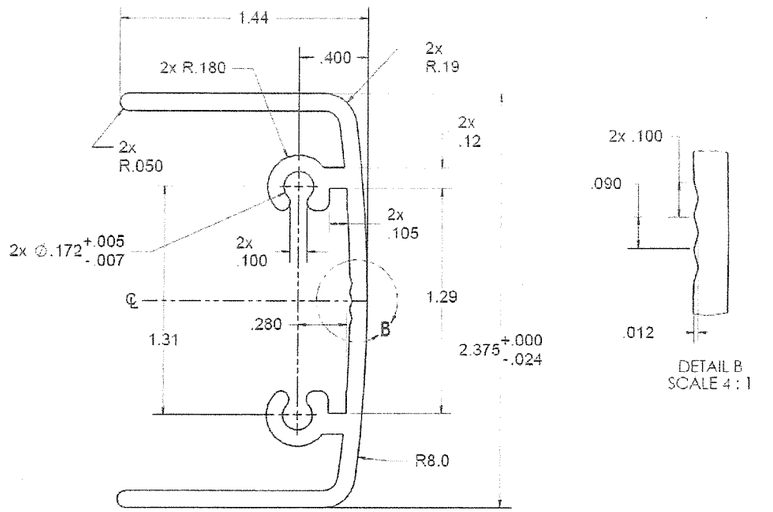
ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
NON IMPACT

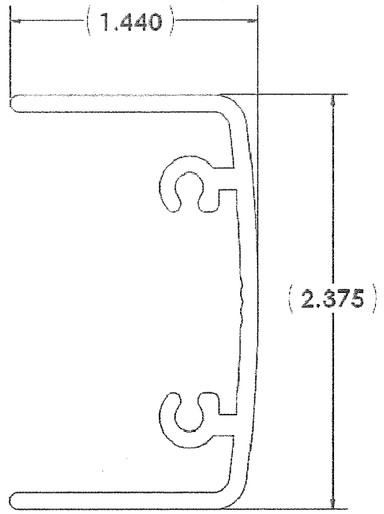
Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	SJF

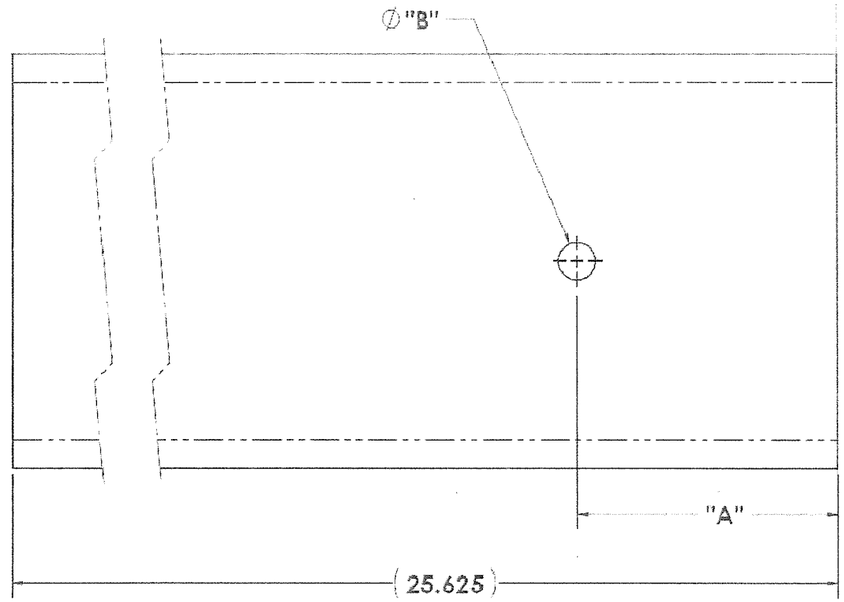
ASSA ABLOY SL500 RESILIENCE FULL BREAKOUT
LARGE & SMALL MISSLE IMPACT LEVEL D AND LEVEL E DOOR SYSTEM
ITEM NO. 115 - ADAMS RITE G86 (8600) EXIT DEVICE EXTRUSION
DETAILS - EXTERIOR EXTRUSION

EXTRUSION
PUSH BAR G8X



DETAIL B
SCALE 4 : 1





P/N	DIM "A"	DIM "B"
24-0871-XXX	1.500	0.218
24-0871CXXX	2.375	1.375

6. POST BAKE: NONE.
5. FINISH: 60 RMS OR BETTER.
4. HEAT TREAT: NONE.
3. MATERIAL: 6063-T6 ALUMINUM. (13'-8" LONG).
2. BREAK ALL SHARP EDGES.
1. ALL DIMENSIONS ARE FINISHED DIMENSIONS.

NOTES: UNLESS OTHERWISE SPECIFIED.

SCOTT WOLTERS
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SCOTT WOLTERS LICENSE SEAL No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER
FEB 22 2021

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 21-0324.09
Expiration Date 03/19/2025
By
Miami–Dade Product Control

DWG NO.	SL500-R104FBO-NI-HVHZ
DRAWN BY	SJF
DATE	7/19/2019
SHEET DESCRIPTION	Panic Exit Device Exterior Profile
SHEET NO.	19 of 21

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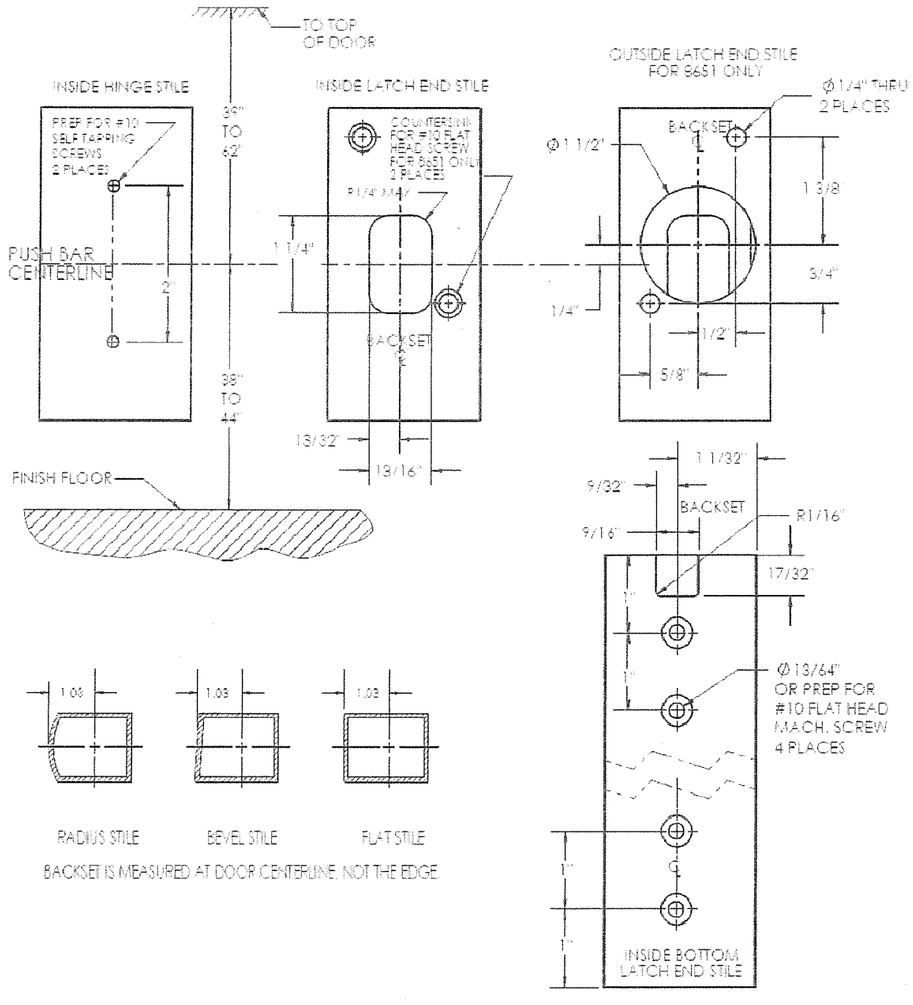
ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
NON IMPACT

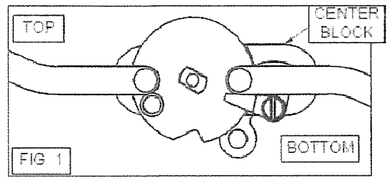
Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	SJF

1. Prepare doors as shown. This product must be installed according to all applicable building and life safety codes.

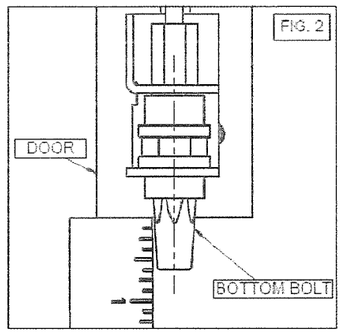


BACKSET IS MEASURED AT DOOR CENTERLINE, NOT THE EDGE

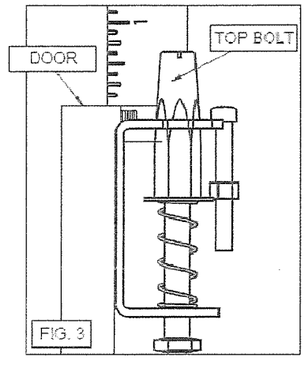
2. Pre-adjust rod assembly.
   a. Lay rod assembly on the face of the door with center block protruding into installation hole.
   b. Fully extend rods as shown.



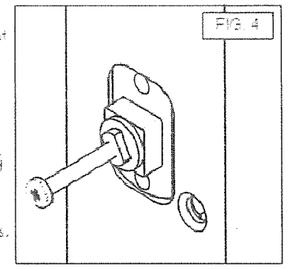
   c. Adjust bottom bolt for 5/8" projection from bottom of door.



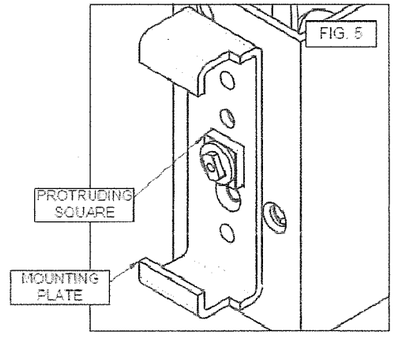
   d. Set the top bolt for 5/8" projection from top of door.



3. Install rod assembly. Note: Be careful not to bend the rods when handling.
   a. Turn over and insert rod assembly into door from the top of the door.
   b. The bolts should extend beyond the stile.



4. Cutting the bar for custom door widths.
   a. The push bar is the correct length for a minimum door width of 30" and does not require cutting.
   b. The back bar comes in two standard lengths for 48" and 36" doors. For other door widths, the back bar and cover strip needs to be cut. You will need to cut the same amount from both the back bar and cover strip. And it is recommended to cut them at the same time using a fine tooth blade or panel saw blade. When measuring the back bar length, make sure it will overlap the vertical stiles by atleast 1/8" on both sides. The mounting plates on either side are meant to pinch the back bar against the stiles to prevent noise.
5. Insert the back bar onto the scissor cartridge from the scissor end and slide up to within 2" of the lock end.
6. Secure center block.
   a. You may have to pull bottom bolt down to align center block with cutout.
   b. Install a screw #6-32x2" into the center block as shown to aid in pulling and holding the center block into position.
   c. Locate the center block in the rectangular hole.
   d. If you are installing an exterior key cylinder see step 20.
   e. Align the protruding square of the center block with the square hole in mounting plate and place onto the center block.



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SEAL
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PROFESSIONAL ENGINEER
FEB 22 2021

ASSA ABLOY SL500 RESILIENCE FULL BREAKOUT
LARGE & SMALL MISSLE IMPACT LEVEL D AND LEVEL E DOOR SYSTEM
ITEM NO. 115 - ADAMS RITE G86 (8600) EXIT DEVICE
INSTALLATION DETAIL - SHEET 1

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 21-0324.09
Expiration Date 03/19/2025
By
Miami–Dade Product Control

DWG NO.	SL500-R104FBO-NI-HVHZ
DRAWN BY: SJF	DATE: 7/19/2019
SHEET DESCRIPTION: Panic Exit Device Installation Details, Sheet 1 of 2	SHEET NO.: 20 of 21

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PHONE: 1-866-237-2687

ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
NON IMPACT

Revisions			
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2	Formatting updates	3/3/20	SJF

f. Place scissor cartridge on center block and secure with two 10-32 x 3/4" flat head machine screws.

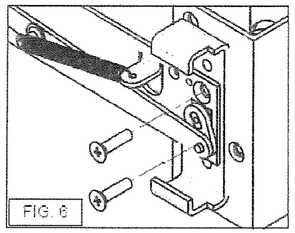
FIG. 6

7. Secure crank arm
   a. Remove helper screw.
   b. Align crank arm with shaft. You may have to operate the push bar scissors to align tab with slot.
   c. Secure with one 6-32 x 1/4" truss head machine screw.

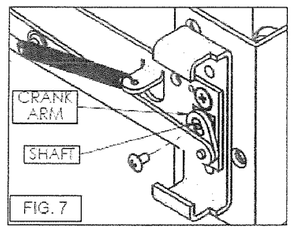

FIG. 7

8. Insert mounting plate from the hinge side onto the back bar and secure with two 10-32 x 3/4" self-tapping screws on the triangle side stile.

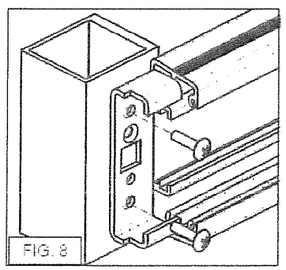
FIG. 8

9. Insert push bar and secure end caps with four 10-32 x 1/2" self-tapping screws.

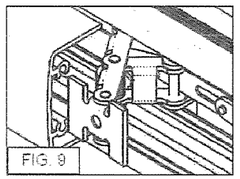
FIG. 9

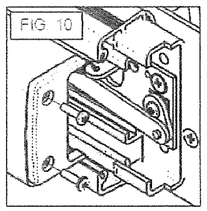
FIG. 10

10. Insert cover strip into back bar. Push in until flush with back bar extrusion.

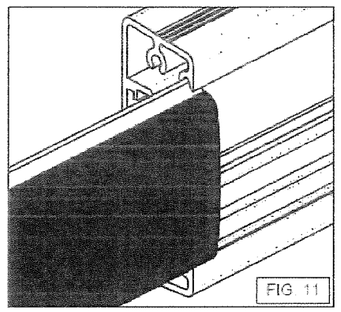
FIG. 11

11. Install base caps and secure with four 10-32 x 2" self-tapping screws.

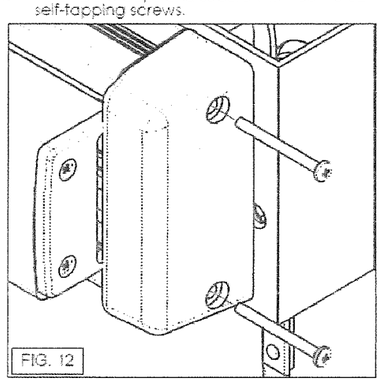
FIG. 12

12. Insert bottom bolt (Fig. 13) guide with the plastic guide towards the bottom. And secure with two 10-32x1/2" flat head machine screws. The bottom screw will lock the bottom bolt adjustment. leave this screw loose until final adjustment.
13. Secure top latch (Fig. 14) assembly
    a. If necessary, depress the jam sensor to release the top bolt.
    b. Secure with two 10-32 x 1/4" flat head machine screws.
14. Check operation:
    a. Fully depress the push bar and release.
    b. Top bolt will retract & latch.
    c. If it doesn't hold - adjust top bolt stop screw out until top bolt is retained.
    d. When the push bar is completely pushed in and then released, you should see about 1/16" movement of the top bolt.
15. Check operation: push top jam sensor.
    a. Top bolt will project.
    b. If it doesn't - check rods for binding.
16. Now install the door into the frame.
17. Mark the locations for the bolt holes very carefully.
    a. Misalignment of these holes will prevent the bolts from fully traveling into the deadlocked position.
    b. Don't forget to allow for weather stripping.
18. Drill Ø9/16" holes where required.
19. Now close the door and repeat step 13 - check operation.
20. If you have excessive door gaps at the top or bottom, you may adjust the bolts for greater engagement with the header or threshold.
    a. Open the door.
    b. Top Adjustment:
       i. Measure the door gap at the header. (example: 1/4")
       ii. Add to this measurement 1/2" (example: 1/4"+1/2"=3/4")
       iii. Push in push bar to retract the top latch.
       iv. Adjust the top bolt to extend above the door by sum above. (example: 3/4")
       v. Repeat step 14.
    c. Bottom Adjustment:
       i. Loosen the bottom mounting screw of the bottom bolt guide.

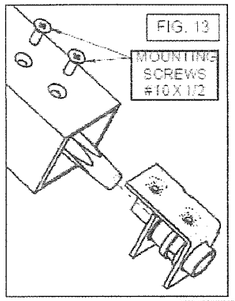

FIG. 13

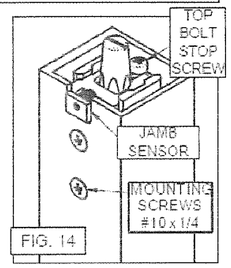

FIG. 14

       ii. Turn the bolt until there is approximately 1/16" to 1/8" clearance.
       iii. Secure the bottom mounting screw.
21. Installing Key Cylinder. (Fig. 15)
    a. Once you have completed Step 5, assemble the cylinder escutcheon as shown using the appropriate number of spacers to prevent the cylinder cam from bottoming out on the center block assembly.

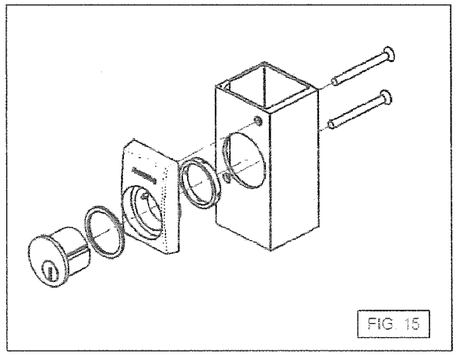
FIG. 15

    b. Secure the cylinder escutcheon assembly to the stile with the 2" long flat head screws provided. Note: the lower screw nests into a boss in the center block. (Fig. 16)
    c. Once the installation is complete, check operation by turning the key a quarter turn counter clockwise to 'open' the door. Remove the key and close the door, it should lock.
    d. To dog the bolts 'open', hold the door open and turn the key clockwise until stop. Check by closing the door, it should remain unlocked. To reset the lock from the dogged position, use the key to 'open' the door.

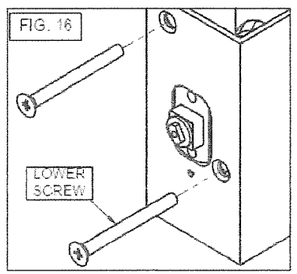

FIG. 16

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ASSA ABLOY SL500 RESILIENCE FULL BREAKOUT
LARGE & SMALL MISSLE IMPACT LEVEL D AND LEVEL E DOOR SYSTEM
ITEM NO. 115 - ADAMS RITE G86 (8600) EXIT DEVICE INSTALLATION DETAIL - SHEET 2

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 21-0324.09
Expiration Date 03/19/2025
By
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DWG NO.	SL500-R104FBO-NI-HVHZ
DRAWN BY	SJF
DATE	7/19/2019
SHEET DESCRIPTION	Panic Exit Device Installation Details, Sheet 2 of 2
SHEET NO.	21 of 21

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