



**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 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 Level D (50 ft/s) -LMI

APPROVAL DOCUMENT: Drawing No. **SL500-R104FBO-D-HVHZ** titled "Series SL-500 Resilience R104 Sliding Door System Bi-Parting and Single Sliding Level D (50 ft/s)", 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: Large and Small 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#20-0106.03**, 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. Zhao

05/27/2021

NOA No. 21-0324.07
Expiration Date: March 19, 2025
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. 20-0106.03)*
2. Drawing No. **SL500-R104FBO-D-HVHZ** titled "Series SL-500 Resilience R104 Sliding Door System Bi-Parting and Single Sliding Level D (50 ft/s)", 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. 20-0106.03)*

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) Water Resistance Test, per FBC, TAS 202-94 (Not conducted)
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) 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. **J5787.01-550-18, J5787.02-550-18, J5787.03-550-18, J5787.06-550-18, J5787.14-550-18 and J5787.15-550-18** dated 08/16/19, signed and sealed by Vinu Abraham, P.E. *(Submitted under NOA No. 20-0106.03)*

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. 20-0106.03)*
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. **17-0808.02** issued to Kuraray America, Inc. for the "**Sentry Glass ® Interlayer**", expiring on 07/04/23.

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. 21-0324.07
Expiration Date: March 19, 2025
Approval Date: May 27, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (*Submitted under NOA No. 20-0106.03*)
2. Drawing No. **SL500-R104FBO-D-HVHZ** titled "Series SL-500 Resilience R104 Sliding Door System Bi-Parting and Single Sliding Level D (50 ft/s)", 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. Notice of Acceptance No. **20-0915.19** issued to Kuraray America, Inc. for the "**Sentry Glass ® Interlayer**", expiring on 07/04/23.

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. **20-0106.03**, expiring on 03/19/2025.



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 21-0324.07
Expiration Date: March 19, 2025
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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
BI-PARTING AND SINGLE SLIDING
IMPACT LEVEL D (50 FT/S)

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 LARGE AND SMALL MISSILE IMPACT RESISTANT, SHUTTERS ARE NOT REQUIRED.
2. MAX. DESIGN PRESSURES ARE LISTED ON SHEET 4.
3. THIS DOOR SYSTEM IS NOT TESTED OR RATED FOR WATER INFILTRATION RESISTANCE. IT IS INTENDED FOR USE ONLY IN LOCATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR WHERE IT IS PROTECTED BY AN OVERHANG MEETING THE REQUIREMENTS OF FBC SECTION 1709.5.1.
4. OPENING SUBSTRATES, WOOD BUCKS (OPTIONAL), AND WOOD BUCK FASTENERS ARE BY OTHERS AND MUST BE DESIGNED AND INSTALLED PER FBC REQUIREMENTS TO SAFELY TRANSFER THE LOADS FROM THIS SYSTEM TO THE BUILDING STRUCTURE. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS LISTED IN THE ANCHOR CHART ON SHEET 13.
5. ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS LISTED IN THE ANCHOR CHART ON SHEET 13, AND AS DETAILED IN THESE DRAWINGS. ANCHOR EMBEDMENT IN SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO.
6. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS.
7. THE 4/3 INCREASE IN ALLOWABLE STRESS FOR SHORT-TERM LOADING HAS NOT BEEN USED IN THE DESIGN OF THIS SYSTEM. THE 1.6 Cd FACTOR HAS BEEN USED IN THE ANALYSIS OF WOOD SCREWS ONLY.
8. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT GALVANIC REACTIONS IN ACCORDANCE WITH FBC CHAPTERS 20 AND 23.

SYSTEM NOTES:

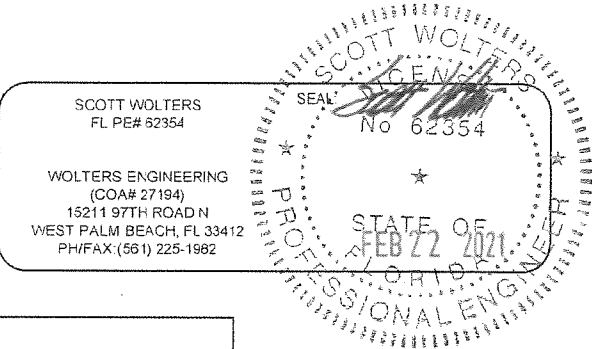
1. ALL ALUMINUM PARTS SHALL BE 6063-T5 ALUMINUM ALLOY AND TEMPER, UNLESS OTHERWISE NOTED.
2. FOR GLAZING DETAILS, SEE SHEET 5.
3. THE GLAZING MATERIALS IN BOTH FIXED AND SLIDING PANELS OF ALL SLIDING DOORS MUST COMPLY WITH THE REQUIREMENTS IN THE PERFORMANCE SPECIFICATIONS AND METHODS OF TEST FOR SAFETY GLAZING MATERIALS USED IN BUILDINGS, PER FBC REQUIREMENTS.
4. THIS SYSTEM HAS NOT BEEN TESTED PER ANSI Z97.1.

CORNER CONSTRUCTION:

5. FRAME CORNERS ARE SQUARE CUT AND MECHANICALLY FASTENED AT THE HEAD WITH M6x30 SCREWS USING A BEAM END PLATE (SEE SHEET 12),
6. PANEL CORNERS ARE SQUARE CUT AND MECHANICALLY FASTENED AT EACH CORNER USING ANTI-TWIST BRACKETS, THEN REINFORCED WITH (2) FULL WIDTH 3/8" THREADED TIE IN THE TOP AND BOTTOM RAILS.

Sheet	Description
1	General Notes, Corner Construction
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	Locking Details, Muntin Details
12	Frame Connection Details
13	Threshold Anchoring Details, Installation Anchor Table
14	Head and Jamb Anchoring Details
15	Profiles
16	Bill of Materials, Sheet 1 of 2
17	Bill of Materials, Sheet 2 of 2
18	Panic Exit Device Interior Profile
19	Panic Exit Device Exterior Profile
20	Panic Exit Device Installation Details, Sheet 1 of 2
21	Panic Exit Device Installation Details, Sheet 2 of 2

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



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 21-0324.07
Expiration Date 03/19/2025
By
Miami-Dade Product Control

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



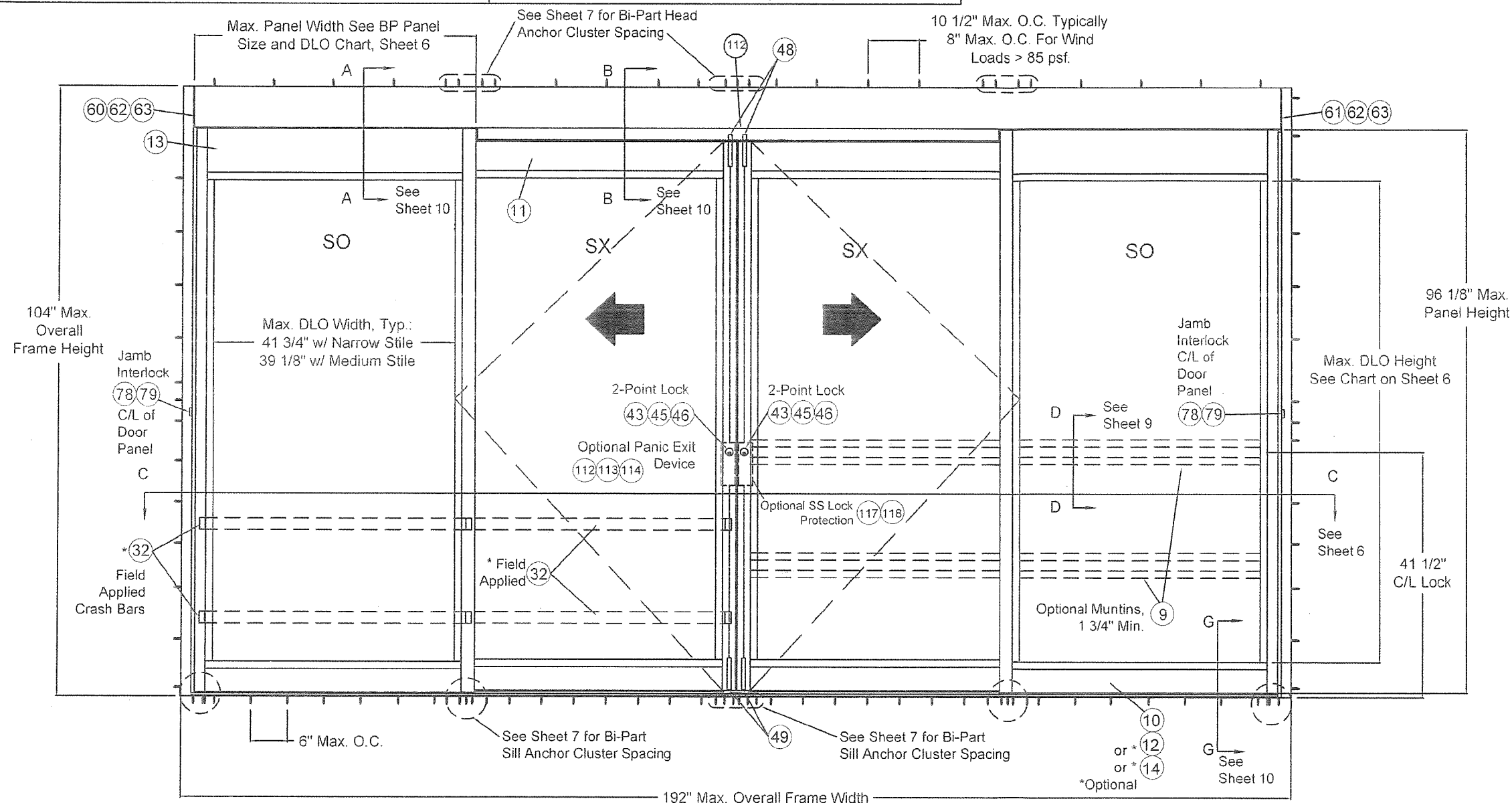
ASSA ABLOY

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

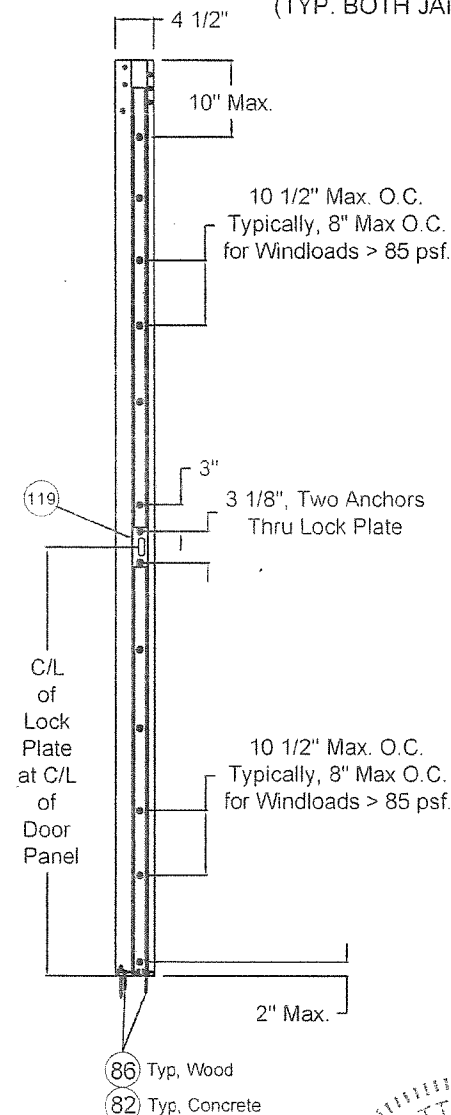
ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
IMPACT LEVEL D (50 FT/S)

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

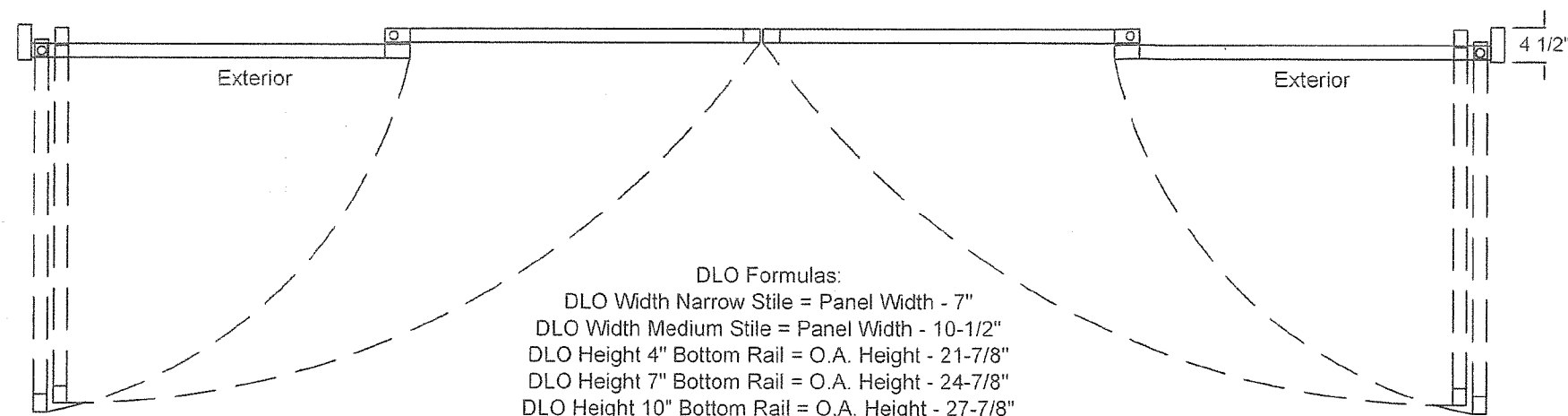
Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	SJF



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"

SCOTT WOLTERS
FL PE# 62354

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

STATE OF
FLORIDA
FEB 22 2021

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 21-0324.07

Expiration Date 03/19/2025

By *[Signature]*
Miami-Dade Product Control

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

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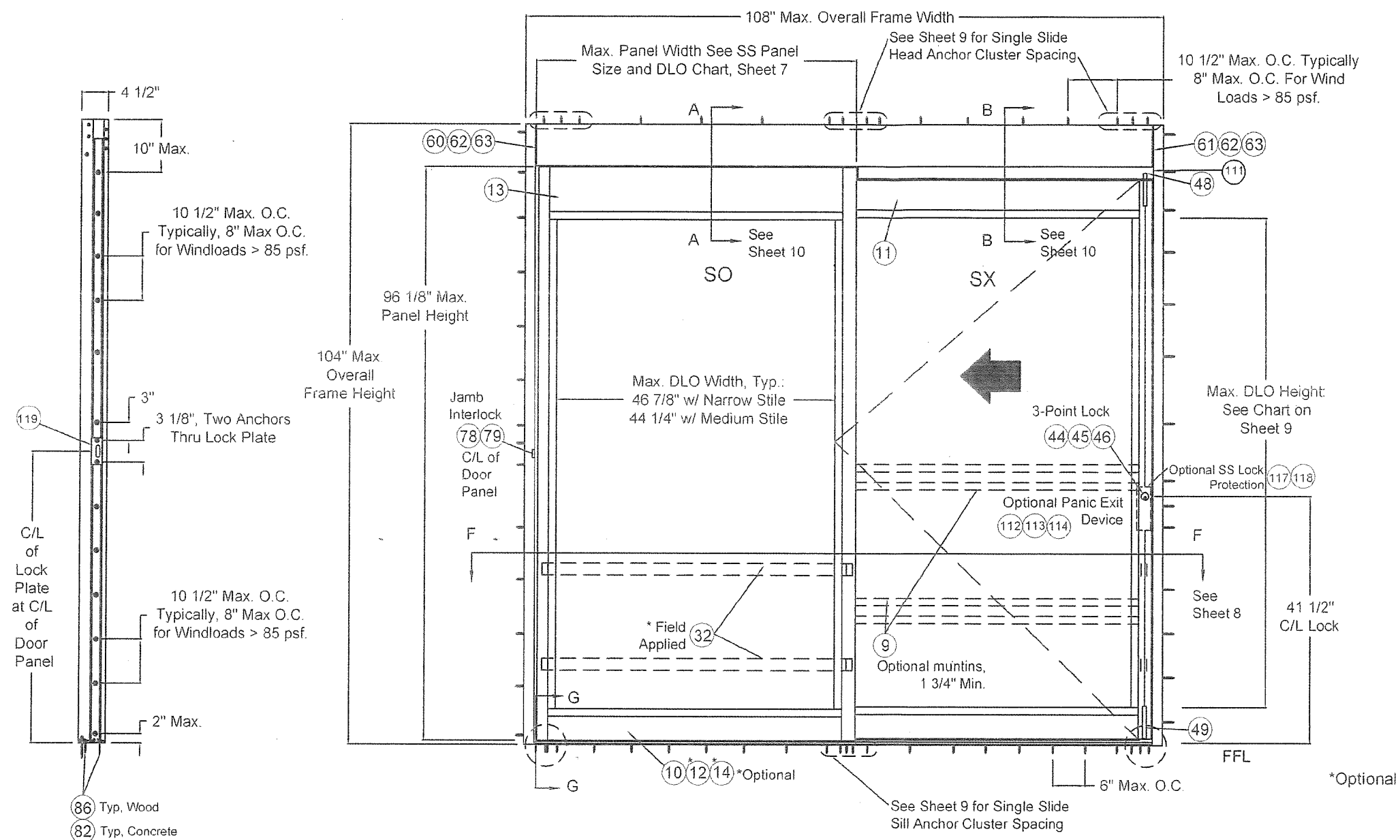
ASSA ABLOY

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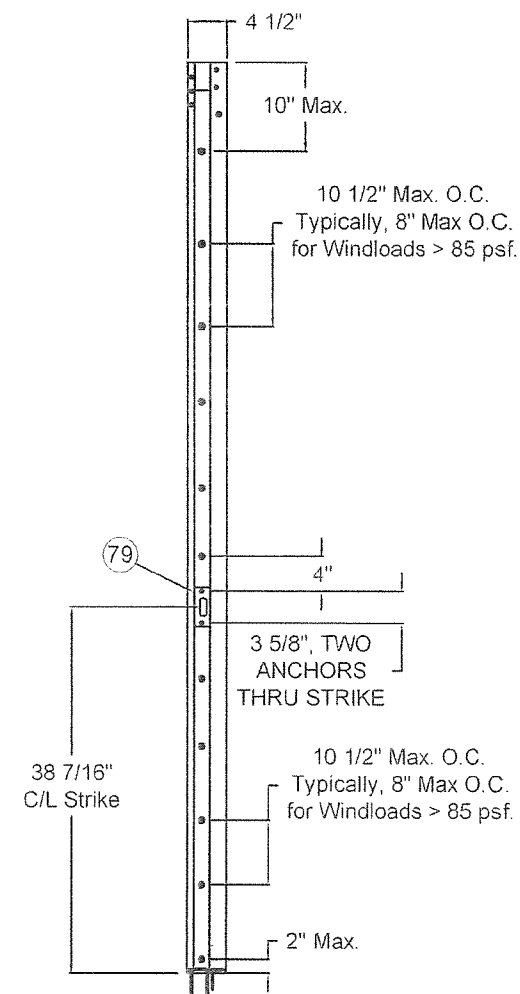
ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
IMPACT LEVEL D (50 FT/S)

NOTE: See Sheet 8 for Single Slide
Head Anchor Locations

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

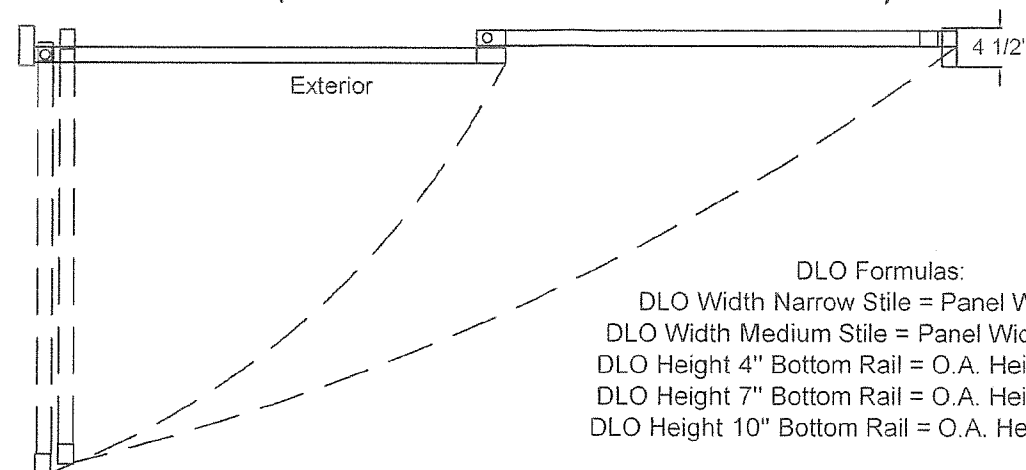


SIDELITE JAMB

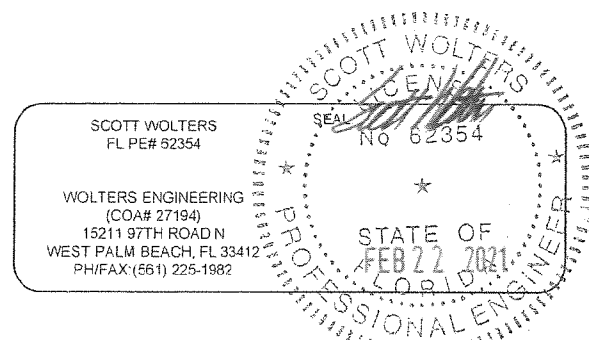


ACTIVE JAMB

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"



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 21-0324.07
Expiration Date 03/19/2025
By *[Signature]*
Miami-Dade Product Control

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

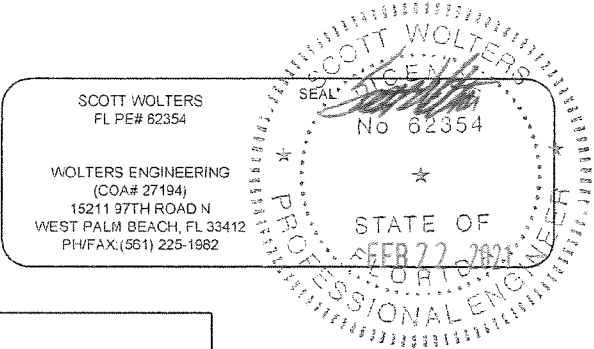
ASSA ABLOY

SINGLE SLIDE - MAXIMUM DESIGN PRESSURE				
GLASS TYPE	IMPACT RATING	LOCKING HARDWARE	MAX. FRAME SIZE (in)	MAX. DESIGN PRESSURE (psf)
GLASS TYPES 1 & 2	LMI - MISSILE D	3 PT. LOCK ADAMS-RITE 8600	SEE CHART BELOW 108" x 104"	SEE CHART BELOW 80

TYPE	RATING	HARDWARE	SIZE (in)	PRESSURE (psf)
GLASS TYPES 1 & 2	LMI - MISSILE D	3 PT. LOCK ADAMS-RITE 8600	SEE CHART BELOW 192" x 104"	SEE CHART BELOW 80

ALLOWABLE PRESSURES FOR GLASS TYPES 1 & 2 (LMI LEVEL D) SINGLE SLIDE WITH 3-POINT LOCK					
FRAME HEIGHT (in)	FRAME WIDTH (in)	MAX DESIGN PRESSURE +/- (psf)	FRAME HEIGHT (in)	FRAME WIDTH (in)	MAX DESIGN PRESSURE +/- (psf)
90	80	125.0	98	80	118.8
90	84	119.0	98	84	113.1
90	88	113.6	98	88	108.0
90	92	108.7	98	92	103.3
90	96	104.2	98	96	99.0
90	100	100.0	98	100	95.0
90	104	96.2	98	104	91.4
90	108	92.6	98	108	88.0
92	80	123.5	100	80	117.4
92	84	117.6	100	84	111.8
92	88	112.3	100	88	106.7
92	92	107.4	100	92	102.1
92	96	102.9	100	96	97.8
92	100	98.8	100	100	93.9
92	104	95.0	100	104	90.3
92	108	91.5	100	108	87.0
94	80	121.9	102	80	116.2
94	84	116.0	102	84	110.6
94	88	110.8	102	88	105.6
94	92	106.0	102	92	101.0
94	96	101.5	102	96	96.8
94	100	97.5	102	100	92.9
94	104	93.7	102	104	89.3
94	108	90.3	102	108	86.0
96	80	120.2	104	80	114.8
96	84	114.4	104	84	112.0
96	88	109.2	104	88	104.3
96	92	104.5	104	92	99.8
96	96	100.1	104	96	95.6
96	100	96.1	104	100	91.8
96	104	92.4	104	104	88.3
96	108	89.0	104	108	85.0

MAX DESIGN PRESSURE FOR GLASS TYPES 1 & 2 (LMI LEVEL D) BI-PARTING WITH 4-POINT LOCK					
FRAME HEIGHT (in)	FRAME WIDTH (in)	MAX DESIGN PRESSURE +/- (psf)	FRAME HEIGHT (in)	FRAME WIDTH (in)	MAX DESIGN PRESSURE +/- (psf)
90	120	115.0	98	120	105.6
90	144	107.5	98	144	98.7
90	168	99.9	98	168	91.8
90	192	92.4	98	192	84.9
92	120	112.5	100	120	103.5
92	144	105.1	100	144	96.7
92	168	97.8	100	168	90.0
92	192	90.4	100	192	83.2
94	120	110.1	102	120	101.5
94	144	102.9	102	144	94.9
94	168	95.7	102	168	88.2
94	192	88.5	102	192	81.6
96	120	107.8	104	120	99.5
96	144	100.8	104	144	93.0
96	168	93.7	104	168	86.5
96	192	86.7	104	192	80.0



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By *[Signature]*
Miami-Dade Product Control

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

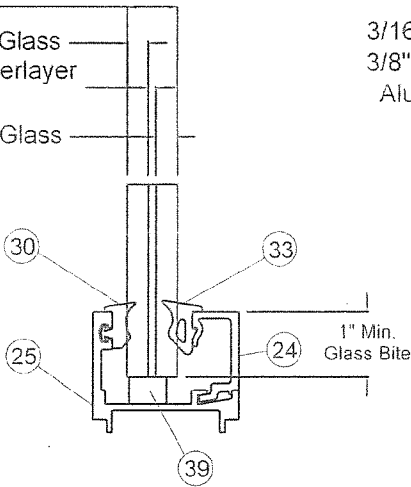
ASSA ABLOY

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

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

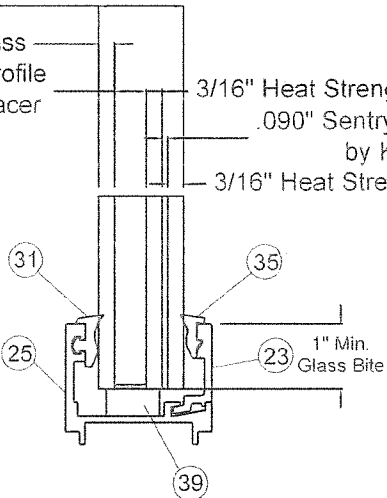


FBC 2411.3.3.1
Compliant Setting Blocks
80 Durometer Neoprene
2 per Glass Edge

Glass Type 2
1" INSULATED LAMINATED GLASS

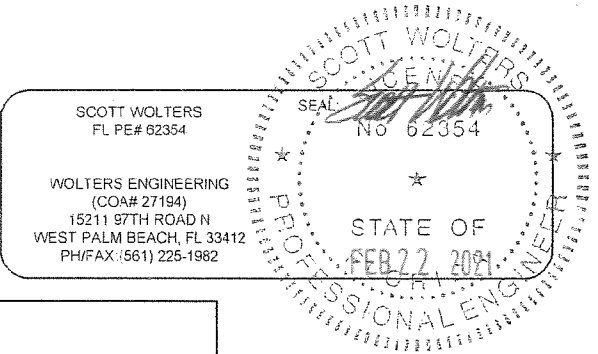
1" O.A. Insulating Impact Glass
(1" actual)

3/16" Full Tempered Glass
3/8" Air Gap with Low Profile
Aluminum Ramapo Spacer
3/16" Heat Strengthened Glass
.090" Sentryglas Interlayer
by Kuraray
3/16" Heat Strengthened Glass



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

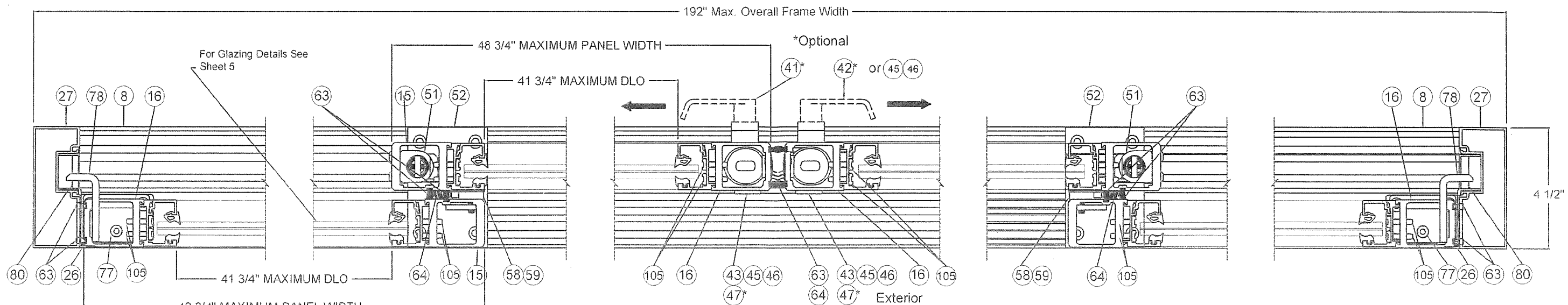
LEVEL D LARGE
AND SMALL MISSILE IMPACT



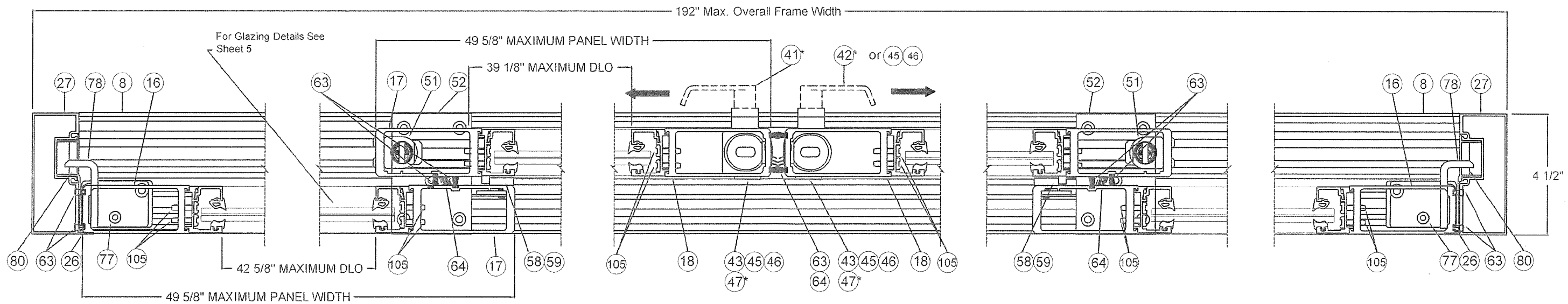
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 21-0324.07
Expiration Date 03/19/2025
By *SJF*
Miami-Dade Product Control

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

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

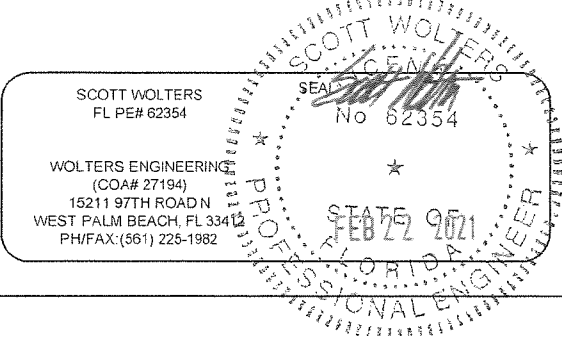


Section C-C, Narrow Stile
BI-PARTING FULL BREAKOUT SHOWN



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"



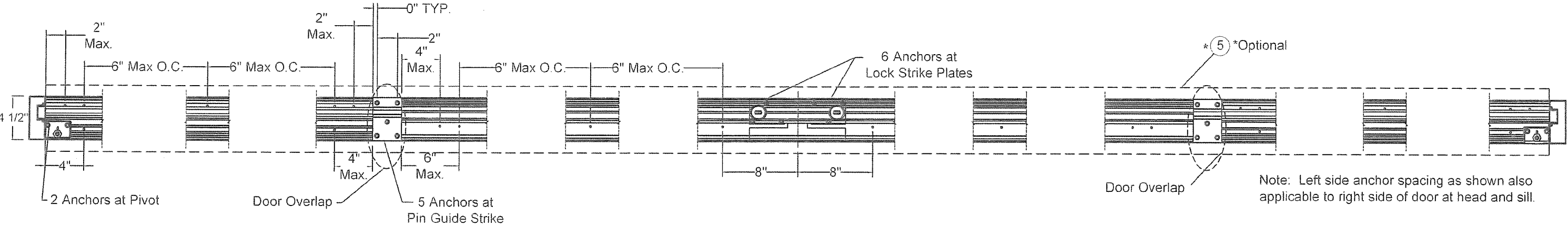
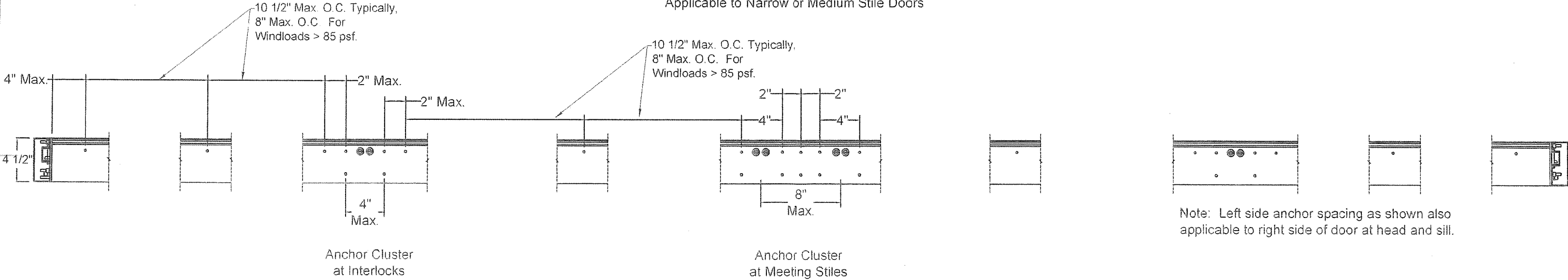
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Expiration Date 03/19/2025
By *[Signature]*
Miami-Dade Product Control

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

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

BI-PART HEAD ANCHOR LOCATIONS

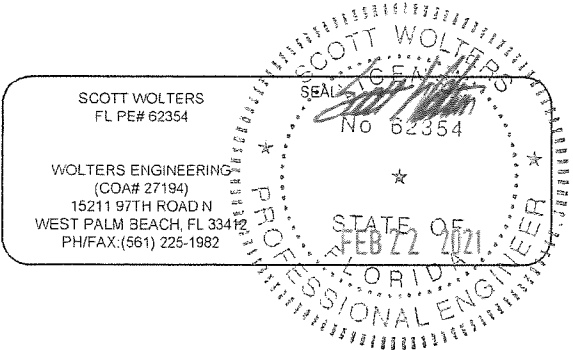
Applicable to Narrow or Medium Stile Doors



BI-PART SILL ANCHOR LOCATIONS

Applicable to Narrow or Medium Stile Doors

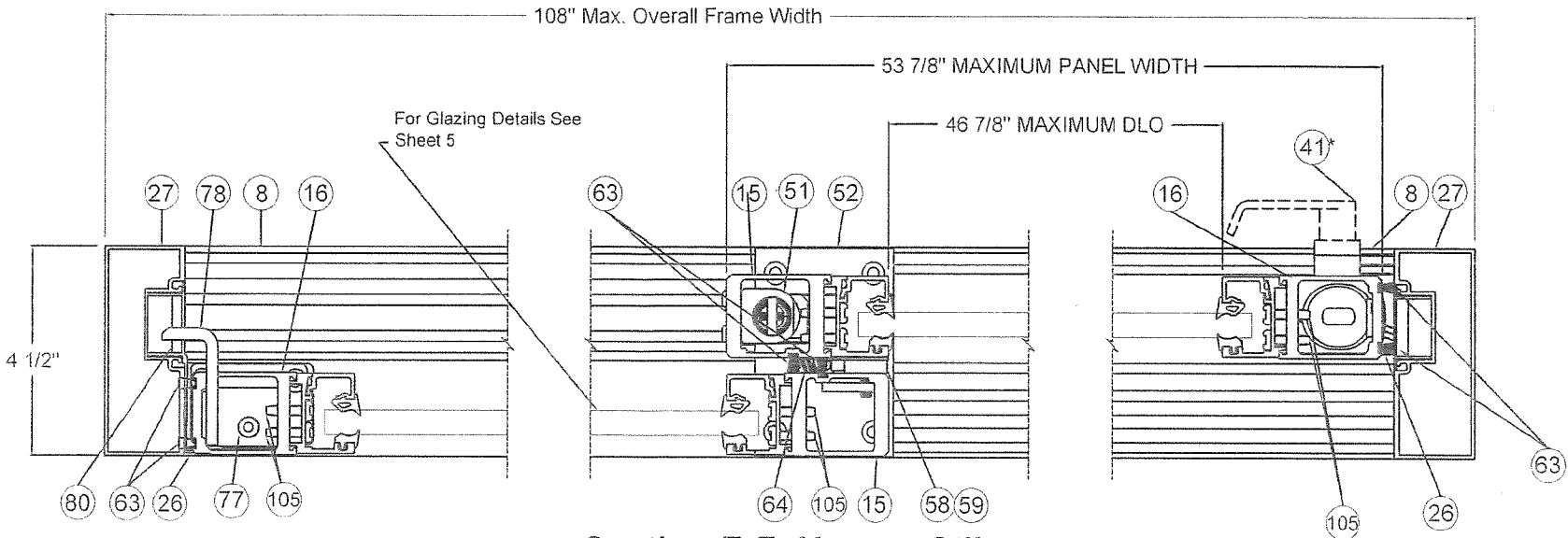
BP Panel Size and Daylight Opening Chart		
Door Stile	Maximum Panel Width	Maximum DLO Width
Narrow	48 3/4"	41 3/4"
Medium	49 5/8"	42 5/8"
Bottom Rail	Maximum Panel Height	Maximum DLO Height
4"	96 1/8"	82 1/8"
7"	96 1/8"	79 1/8"
10"	96 1/8"	76 1/8"



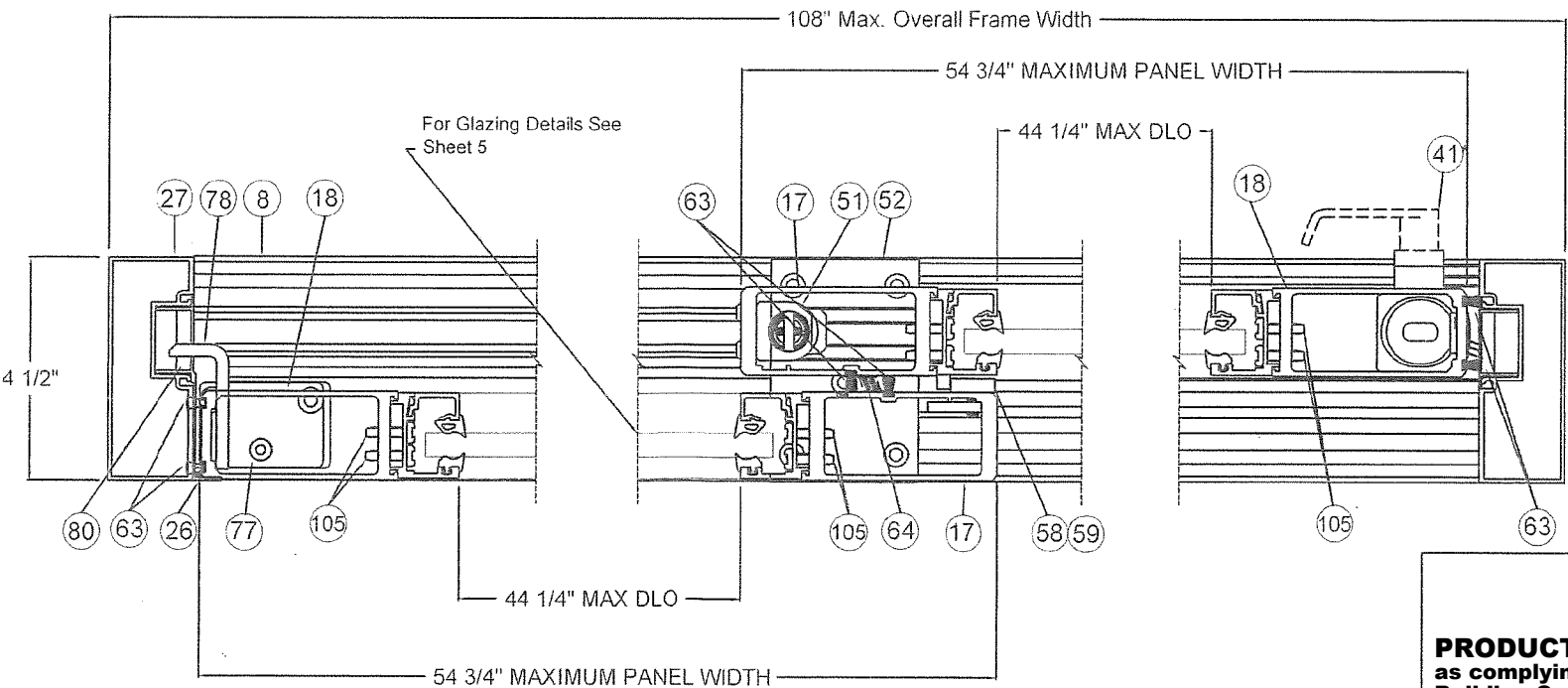
PRODUCT REVISED
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Building Code
NOA-No. 21-0324.07
Expiration Date 03/19/2025
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DWG NO. SL500-R104FBO-D-HVHZ	
DRAWN BY SJF	DATE 7/19/2019
SHEET DESCRIPTION Bi-Part Head and Sill Anchoring Locations	SHEET NO. 7 OF 21
ASSA ABLOY	

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



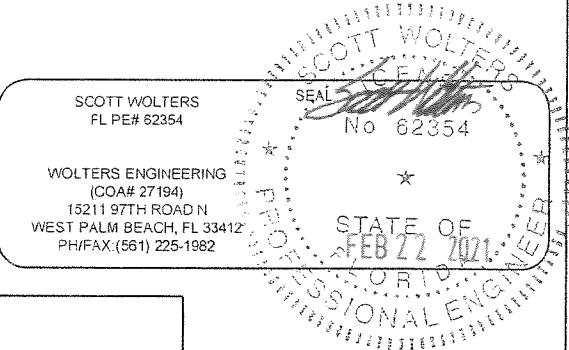
Section F-F, Narrow Stile
SINGLE SLIDE FULL BREAKOUT SHOWN



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"

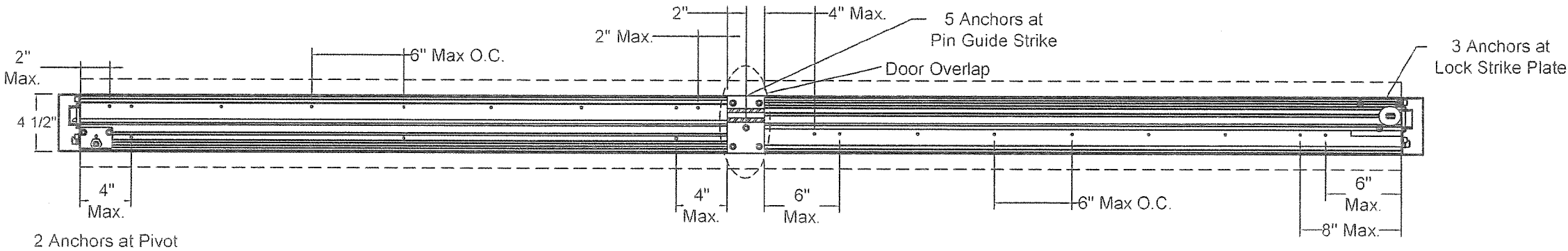
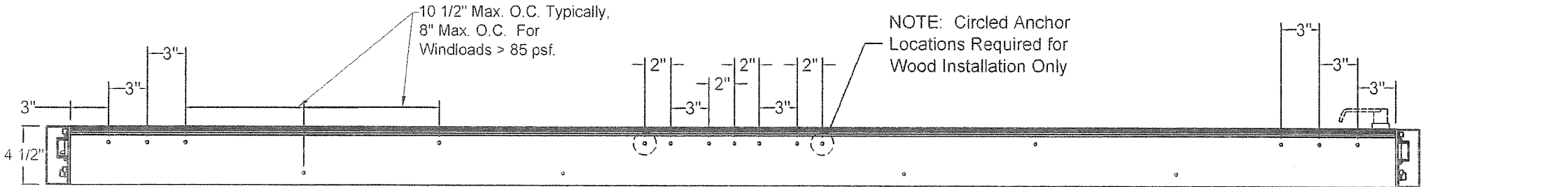


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DWG NO.	SL500-R104FBO-D-HVHZ
DRAWN BY	SJF
DATE	7/19/2019
SHEET DESCRIPTION	Single Slide Section Views
SHEET NO.	8 OF 21

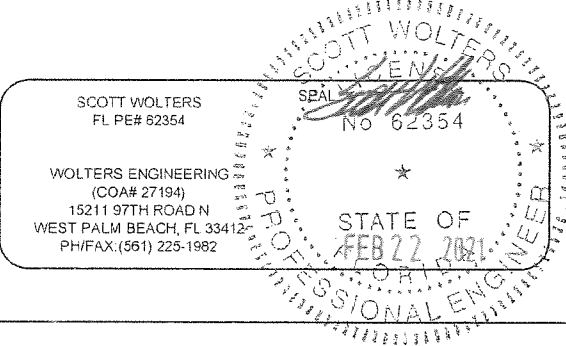
Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	SJF

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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DWG NO.	SL500-R104FBO-D-HVHZ
DRAWN BY	SJF
DATE	7/19/2019
SHEET DESCRIPTION	Single Slide Head and Sill Anchoring Locations
SHEET NO.	9 OF 21

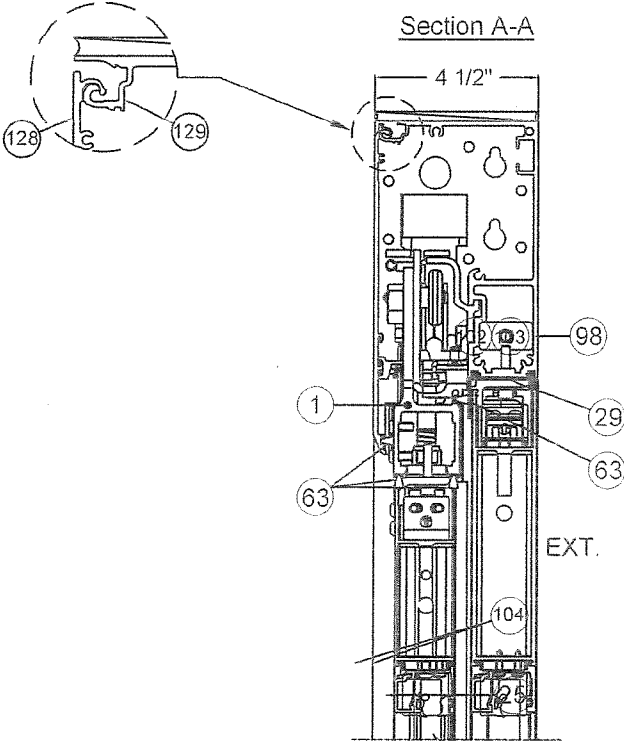
ASSA ABLOY

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

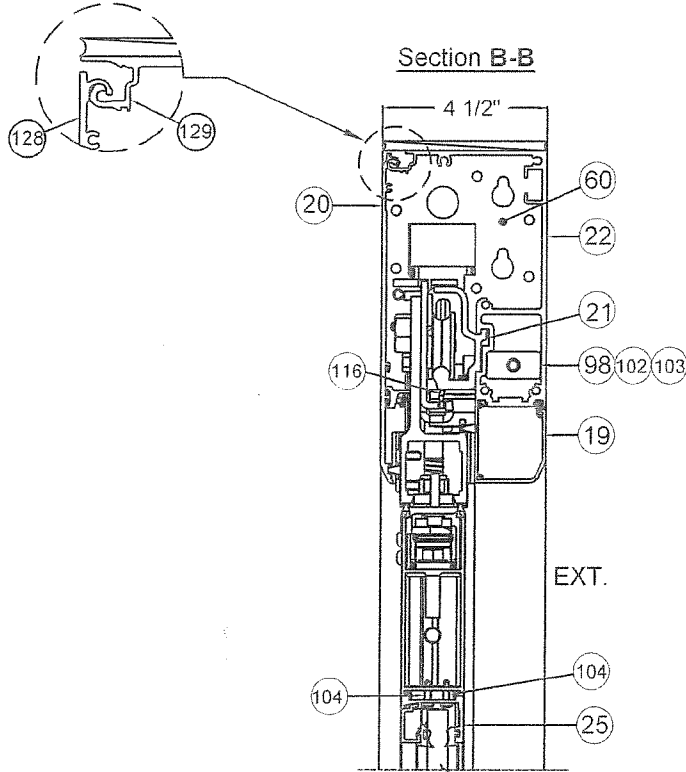
ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
IMPACT LEVEL D (50 FT/S)

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

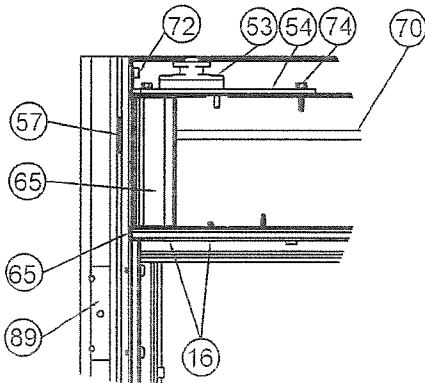
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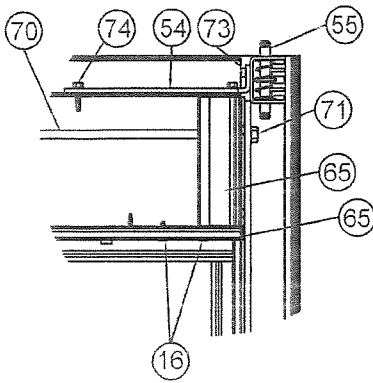
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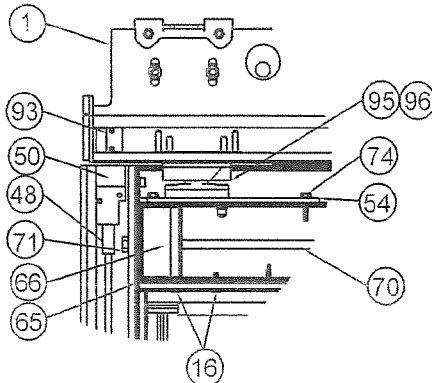
Sidelite Top Corner- Lead Side



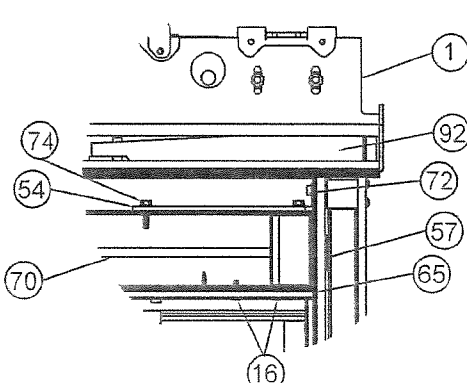
Sidelite Top Corner- Pivot Side



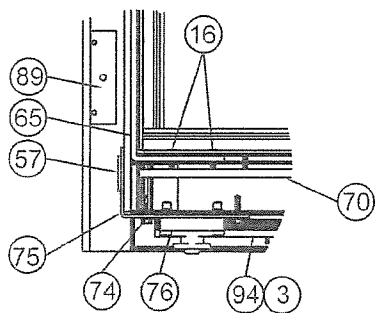
Active Leaf Top Corner- Lead Side



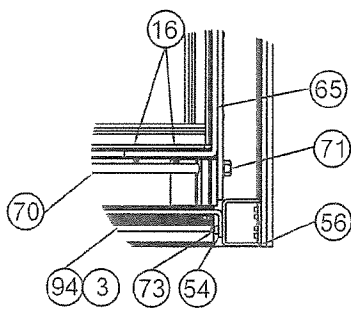
Active Leaf Top Corner-Pivot Side



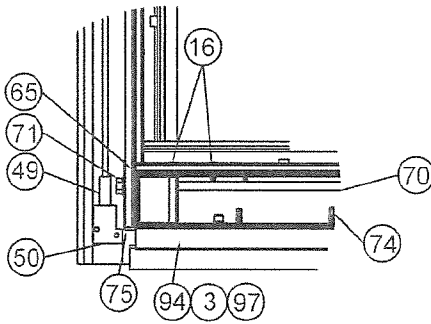
Sidelite Bottom Corner- Lead Side



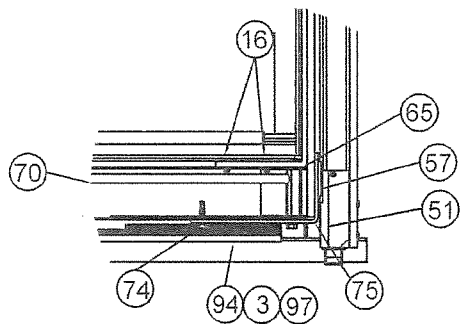
Sidelite Bottom Corner- Pivot Side



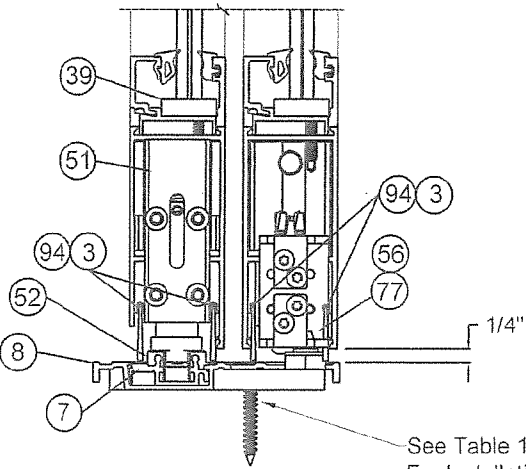
Active Leaf Bottom Corner- Lead Side



Active Leaf Bottom Corner-Pivot Side



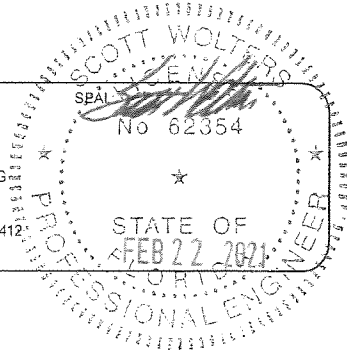
Section G-G




See Table 1 on Sheet 13
For Installation Anchor Info.

SCOTT WOLTERS
FL PE# 62354

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

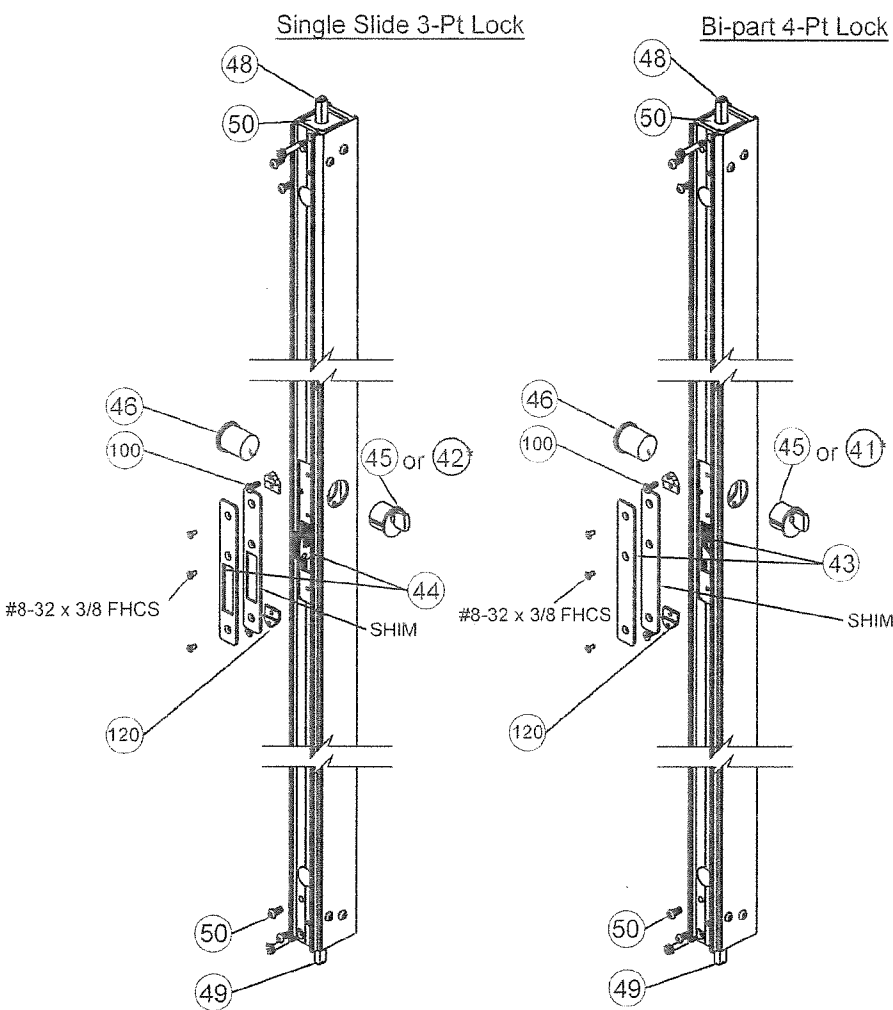
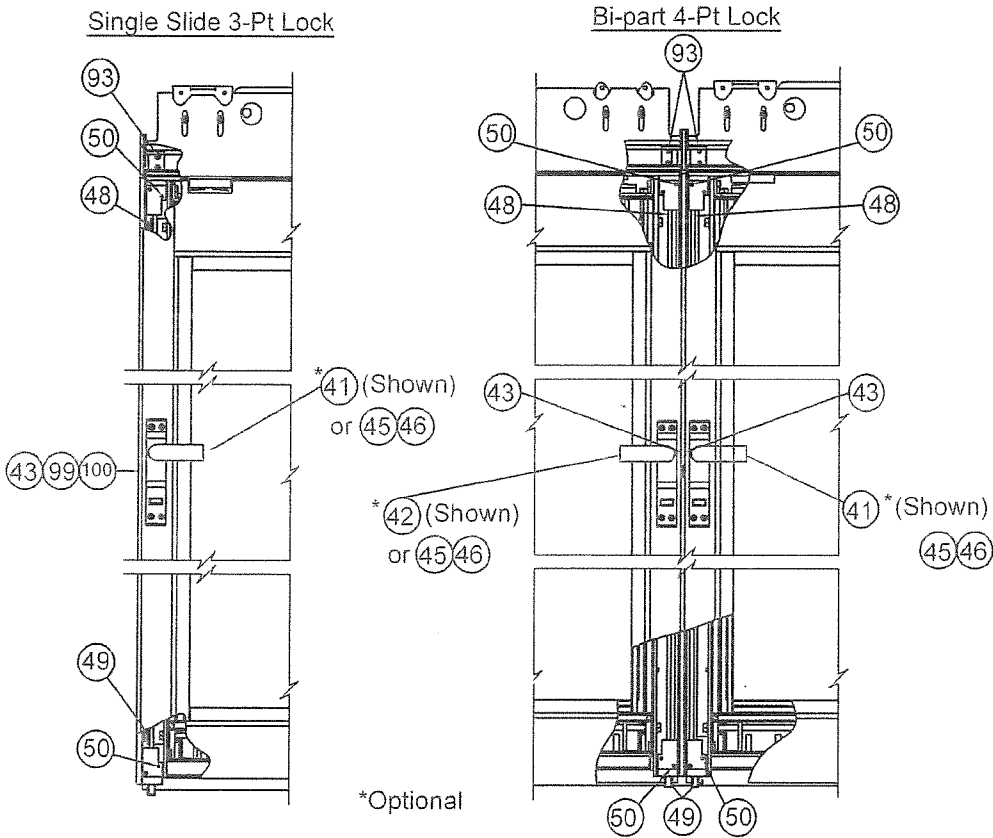


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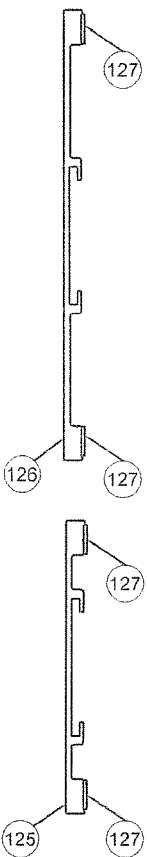
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DRAWN BY	SJF
DATE	7/19/2019
SHEET DESCRIPTION	Door Connections and Head Section Views
SHEET NO.	10 OF 21

ASSA ABLOY

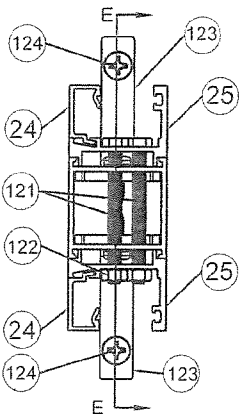
Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	SJF



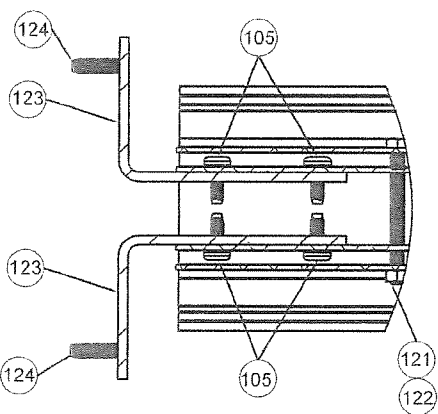
Section E-E
SURFACE APPLIED
MUNTIN



Section D-D
TRUE DIVIDED
MUNTIN

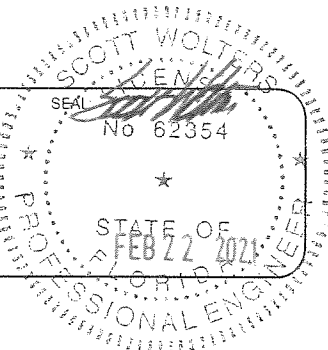


Section E-E
TRUE DIVIDED
MUNTIN



SCOTT WOLTERS
FL PE# 62354

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(COA# 27194)
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WEST PALM BEACH, FL 33412
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Building Code

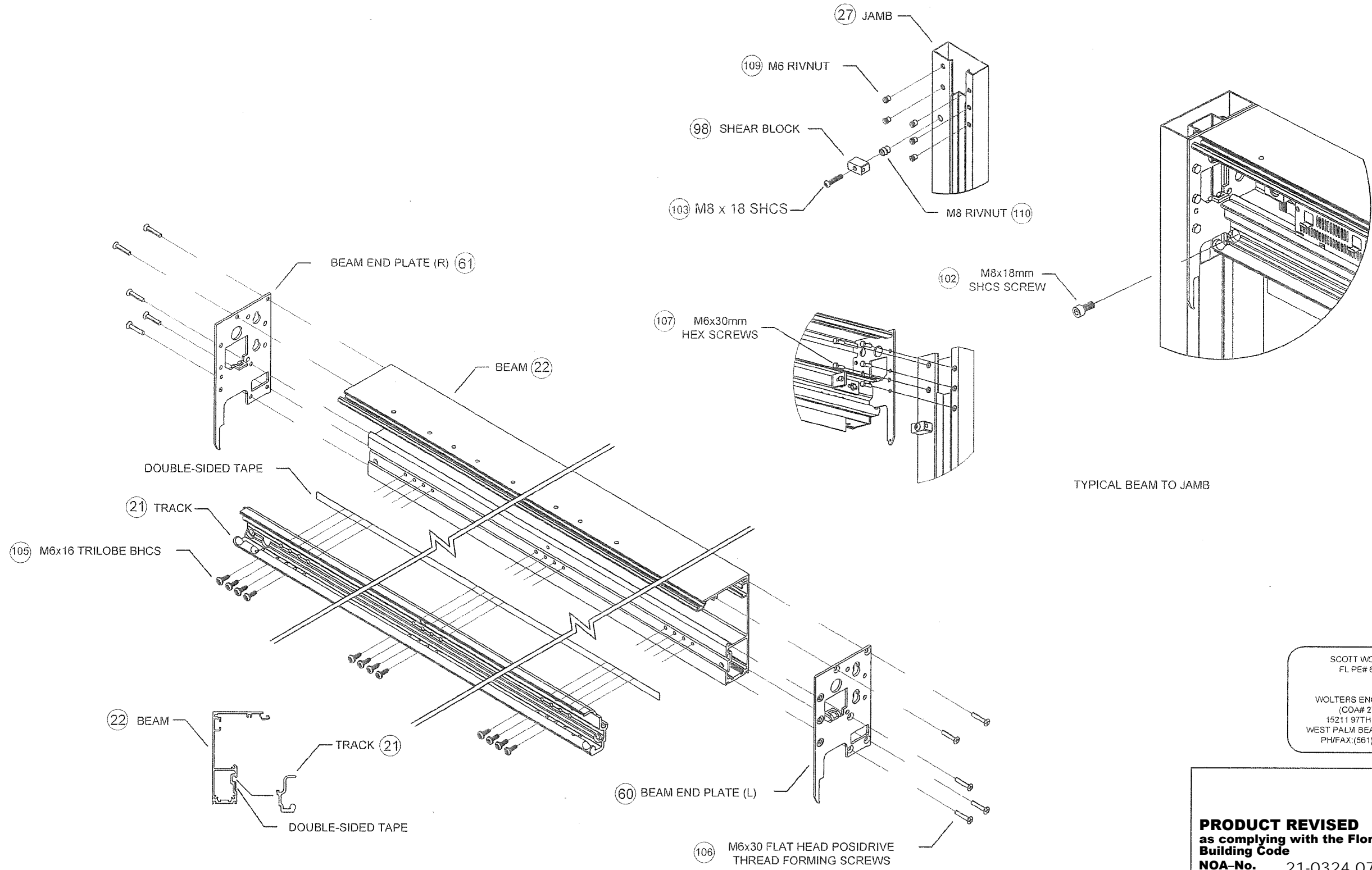
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Expiration Date 03/19/2025

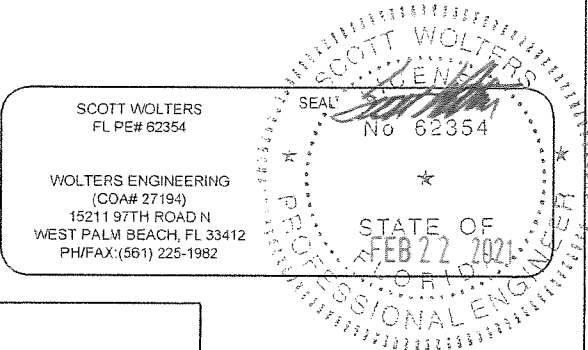
By *[Signature]*
Miami-Dade Product Control

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

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



TYPICAL TRACK TO BEAM



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DWG NO.	SL500-R104FBO-D-HVHZ		
DRAWN BY	SJF	DATE	7/19/2019
SHEET DESCRIPTION	Frame Connection Details		SHEET NO. 12 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
IMPACT LEVEL D (50 FT/S)

TYPICAL SILL ANCHOR DETAILS IN CONCRETE

EXT.

SEALANT BY INSTALLER

1/4" DIA. ELCO ULTRACON, SEE TABLE 1 AND CONCRETE ANCHOR NOTE BELOW ON THIS SHEET.

1/4" MAX. SHIM SPACE

1-3/4" MIN. EMBED.

2-1/2" MIN. EDGE DIST., APPLIES TO BOTH EXT. AND INT. SIDES, APPLIES TO ALL INSTALL ANCHORS

SOLID CONCRETE BY OTHERS, SEE TABLE 1

AT PIN GUIDE STRIKES

EXT.

SEALANT BY INSTALLER

1/4" DIA. ELCO ULTRACON, SEE TABLE 1 AND CONCRETE ANCHOR NOTE BELOW ON THIS SHEET.

1/4" MAX. SHIM SPACE

1-3/4" MIN. EMBED.

2-1/2" MIN. EDGE DIST., APPLIES TO BOTH EXT. AND INT. SIDES, APPLIES TO ALL INSTALL ANCHORS

SOLID CONCRETE BY OTHERS, SEE TABLE 1

AT LOCK STRIKE PLATES

EXT.

SEALANT BY INSTALLER

3/16" DIA. ELCO ULTRACON, SEE TABLE 1 AND CONCRETE ANCHOR NOTE BELOW ON THIS SHEET.

1/4" MAX. SHIM SPACE

1-3/4" MIN. EMBED.

2-1/2" MIN. EDGE DIST., APPLIES TO BOTH EXT. AND INT. SIDES, APPLIES TO ALL INSTALL ANCHORS

SOLID CONCRETE BY OTHERS, SEE TABLE 1

AT SIDELITE THRESHOLD

EXT.

SEALANT BY INSTALLER

3/16" DIA. ELCO ULTRACON, SEE TABLE 1 AND CONCRETE ANCHOR NOTE BELOW ON THIS SHEET.

1/4" MAX. SHIM SPACE

1-3/4" MIN. EMBED.

2-1/2" MIN. EDGE DIST., APPLIES TO BOTH EXT. AND INT. SIDES, APPLIES TO ALL INSTALL ANCHORS

SOLID CONCRETE BY OTHERS, SEE TABLE 1

AT OPERABLE THRESHOLD

EXT.

SEALANT BY INSTALLER

#1/4 GR. 5 WOOD SCREW INSTALLATION FASTENERS, SEE TABLE 1

1/4" MAX. SHIM SPACE

1-3/8" MIN. EMBED.

1" MIN. EDGE DIST., APPLIES TO BOTH EXT. AND INT. SIDES, APPLIES TO ALL INSTALL ANCHORS

WOOD SUBSTRATE BY OTHERS, SEE TABLE 1

AT PIN GUIDE STRIKES

EXT.

SEALANT BY INSTALLER

#1/4 GR. 5 WOOD SCREW INSTALLATION FASTENERS, SEE TABLE 1

1/4" MAX. SHIM SPACE

1-3/8" MIN. EMBED.

1" MIN. EDGE DIST., APPLIES TO BOTH EXT. AND INT. SIDES, APPLIES TO ALL INSTALL ANCHORS

WOOD SUBSTRATE BY OTHERS, SEE TABLE 1

AT LOCK STRIKE PLATES

EXT.

SEALANT BY INSTALLER

#10 GR. 5 WOOD SCREW INSTALLATION FASTENERS, SEE TABLE 1

1/4" MAX. SHIM SPACE

1-3/8" MIN. EMBED.

1" MIN. EDGE DIST., APPLIES TO BOTH EXT. AND INT. SIDES, APPLIES TO ALL INSTALL ANCHORS

WOOD SUBSTRATE BY OTHERS, SEE TABLE 1

AT SIDELITE THRESHOLD

EXT.

SEALANT BY INSTALLER

#10 GR. 5 WOOD SCREW INSTALLATION FASTENERS, SEE TABLE 1

1/4" MAX. SHIM SPACE

1-3/8" MIN. EMBED.

1" MIN. EDGE DIST., APPLIES TO BOTH EXT. AND INT. SIDES, APPLIES TO ALL INSTALL ANCHORS

WOOD SUBSTRATE BY OTHERS, SEE TABLE 1

AT OPERABLE THRESHOLD

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

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"	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.

SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
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SCOTT WOLTERS
FL PE# 62354

STATE OF FLORIDA
FEB 22 2021
PROFESSIONAL ENGINEER

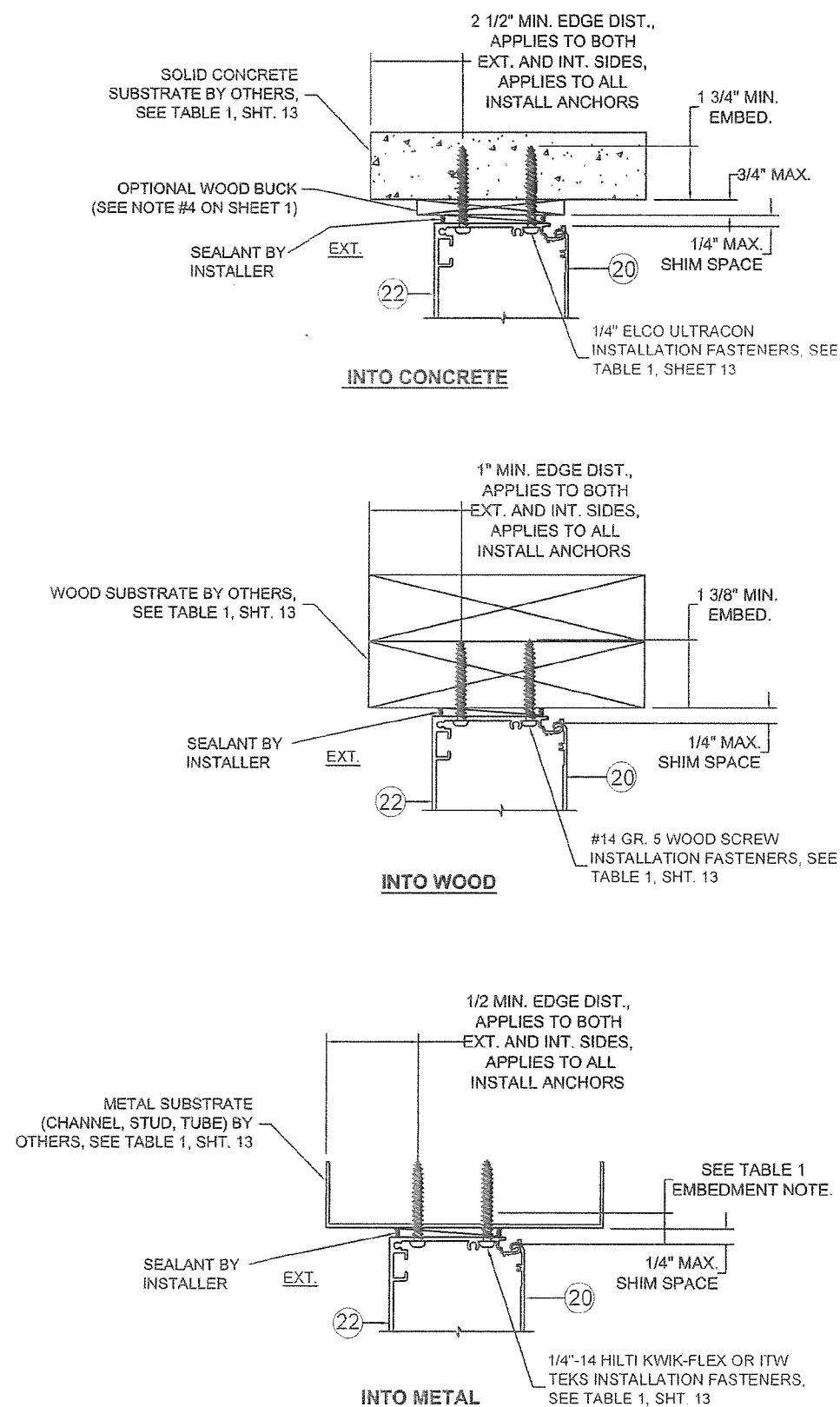
PRODUCT REVISED
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DWG NO. SL500-R104FBO-D-HVHZ
DRAWN BY SJF DATE 7/19/2019
SHEET DESCRIPTION Threshold Anchoring Details, Installation Anchor Table SHEET NO. 13 OF 21

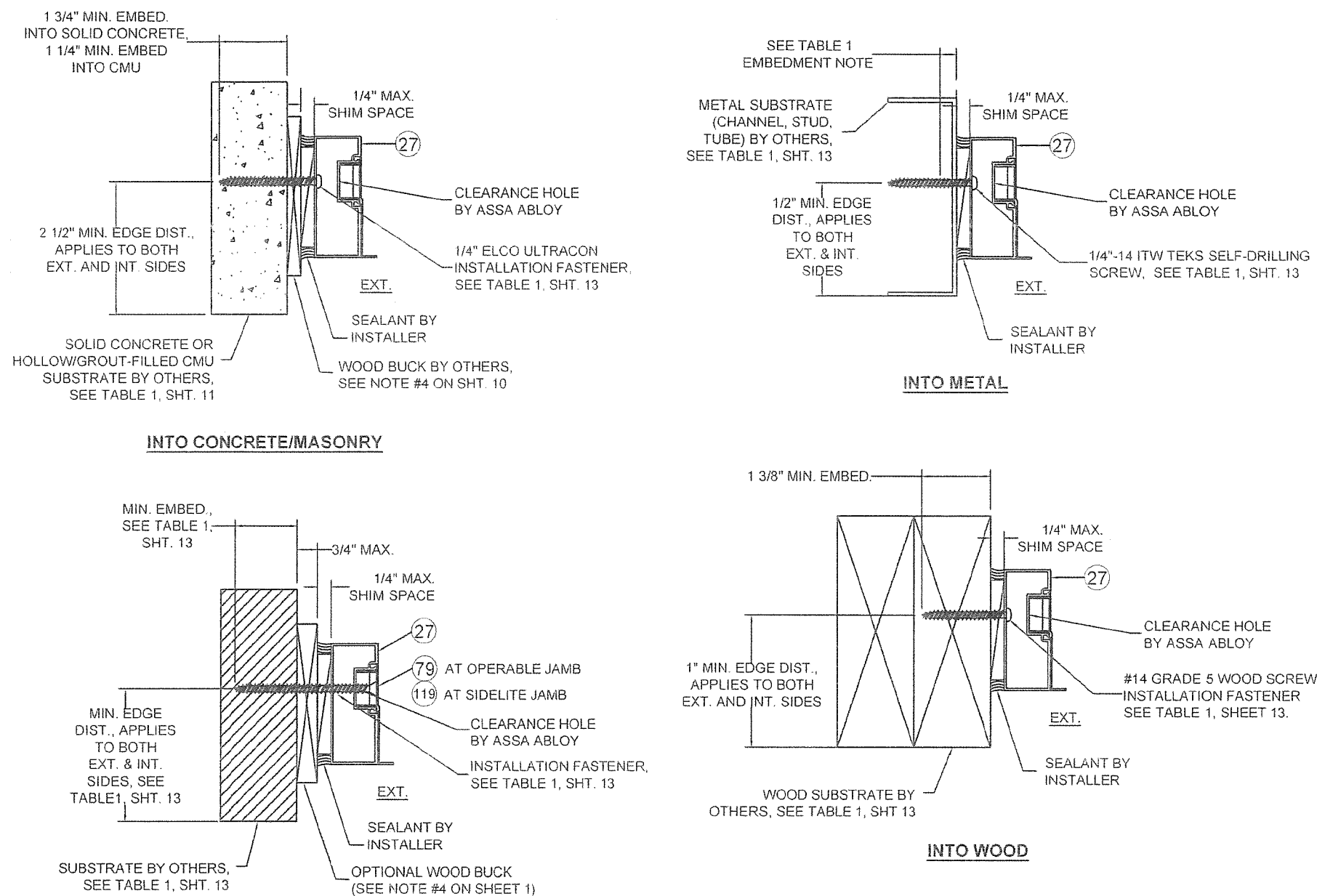
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Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	SJF

TYPICAL HEAD ANCHOR DETAILS



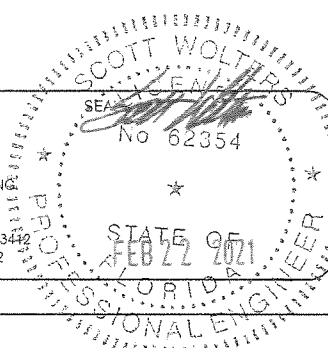
TYPICAL JAMB ANCHOR DETAILS



SEE GENERAL ANCHOR NOTES
AND TABLE 1, SHEET 1

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FL PE# 62354

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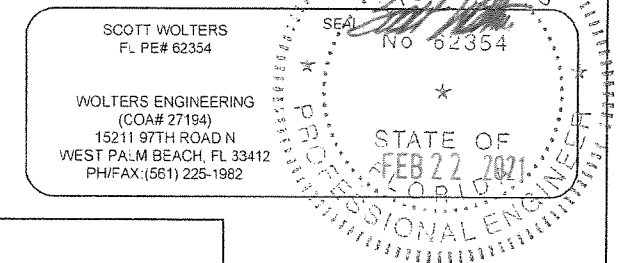
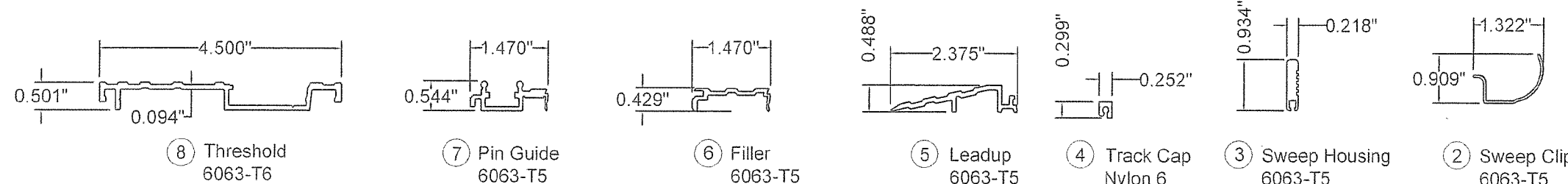
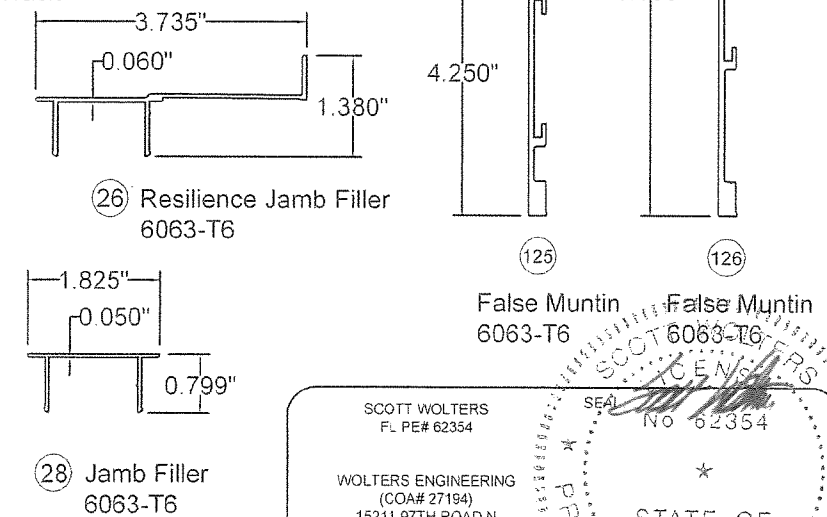
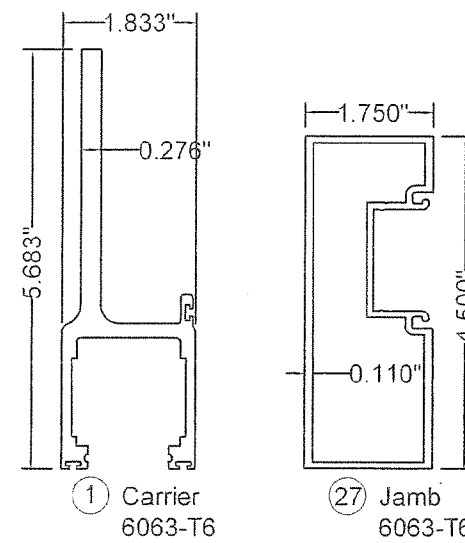
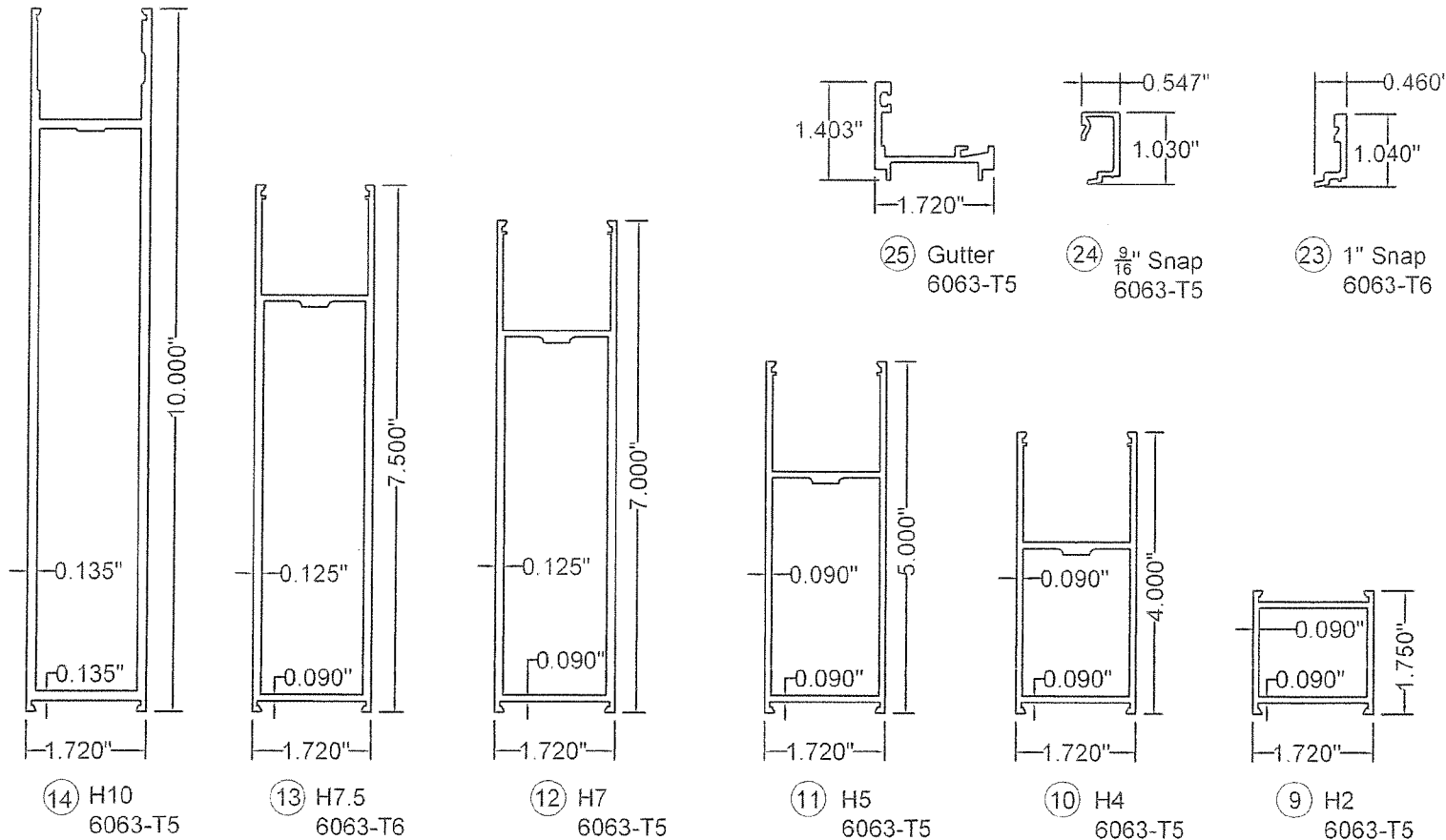
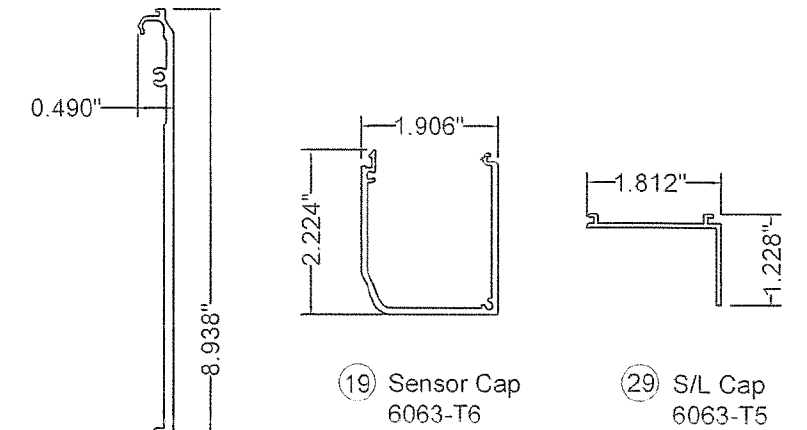
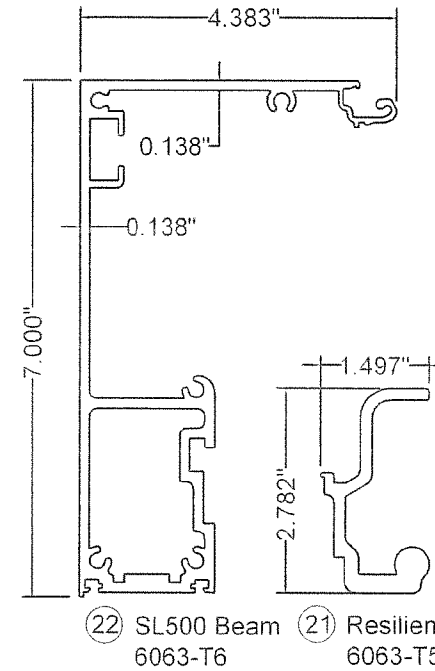
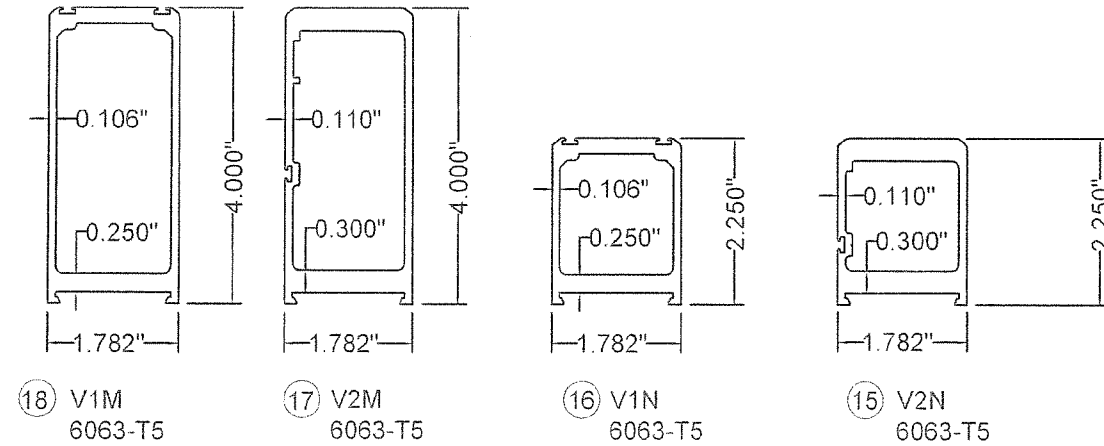
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DRAWN BY	SJF
DATE	7/19/2019
SHEET DESCRIPTION	Head and Jamb Anchoring Details
SHEET NO.	14 OF 21

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
IMPACT LEVEL D (50 FT/S)

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



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

ASSA ABLOY

<div>ASSA ABLOY</div> <div>ASSA ABLOY ENTRANCE SYSTEMS 1900 AIRPORT ROAD MONROE, NC 28110 PHONE: 1-866-237-2687</div>			<div>ASSA ABLOY</div> <div>SL500 RESILIENCE R104 SLIDING DOOR SYSTEM BI-PARTING AND SINGLE SLIDING IMPACT LEVEL D (50 FT/S)</div>			Revisions			
						Rev	Description	Date	Approved
						2	Formatting updates	3/3/20	SJF
1	Carrier	1015669	44	3 PT Lock	1703501	84	1/4"-14 x 2" HWH #3 Pt SD ITW TEKS Screw	1703633	
2	Sweep Clip	1013780	45	Thumbturn	50-06-106	85	#14 x 2.5" PH Grade 5 Sheetmetal Screw	1703431	
3	Sweep Housing	US01-0685	46	Cylinder, Key Alike	US06-1404-02	86	#10 x 2" PH Grade 5 Sheetmetal Screw	1703427	
4	Track Cap	50-20-135	47	Lock Indicator	50-06-161	87	#14 x 4" RH Grade 5 Sheetmetal Screw	1703494	
5	Leadup	1013364	48	Lock Pin Assembly, Top	1016991	88	#14 x 3in FH Grade 5 Screw	1703426	
6	Filler	1013366	49	Lock Pin Assembly, Bottom	1016992	89	Nut Plate, Interlock	1019247	
7	Pin Guide	1013866	50	Kit, Lock Pin Guide	1018060	90	Resilience Beam End Cap, Right	1016613	
8	Threshold	1013363	51	Resilience Pin Guide Assembly	1016658	91	Resilience Beam End Cap, Left	1016614	
9	H2 Muntin Rail (Optional)	1012947	52	Pin Guide Strike	1016611	92	PSA Arm Kit, HD	1017036	
10	H4 Bottom Rail	1012942	53	SL500 Resil Ball Catch Kit	1017039	93	Resilience Carrier Lock Strike Assembly	1016637	
11	H5 A/L Top Rail	1012944	54	Anti-Twist Bracket	1016628	94	Sweep	US20-1627-02	
12	H7 Bottom Rail	1012945	55	Top Pivot Assembly	1012549	95	Ball Catch Kit, Carrier Portion, Resilience	US05-1609-01	
13	H7.5 S/L Top Rail	1016075	56	Bottom Pivot Assembly	1012548	96	Ball Catch Kit, Active Leaf Door Portion, Resilience	1017038	
14	H10 Bottom Rail	1012946	57	Square Threaded Rod Nut	1016327	97	Sweep Clip	1013780	
15	V2N HD Rail	1018841	58	Kit, Resilience Interlock Bar	1018093	98	Resilience Shear Block	1016612	
16	V1N HD Rail	1018840	59	Kit, Interlock Hook	1018059	99	XG Lock Body Mounting Block	1019595	
17	V2M HD Rail	1018843	60	Resilience Beam End Cap, Left	1016614	100	#10-32 x 1/2" Ultra Low Profile Socket Head Screw	1704073	
18	V1M HD Rail	1018842	61	Resilience Beam End Cap, Right	1016613	101	XG Muntin 'L' Bracket, Resilience	1019660	
19	Sensor Cap	1016738	62	M6 x 20 Hex Head Screw	93-09-723187	102	M8x40mm BHCS Black	1703691	
20	Beam Cover	1016073	63	Tall Weatherstrip	US20-0905-01	103	M8 x 18 SHCS	1703495	
21	Resilience Track	1015670	64	Seal	US20-1658-01	104	#10-16 x 5/8" PPH Tek Screw	53-09-003	
22	SL500 Beam	1010590	65	7.5" Rail Clip	1019594	105	M6x16mm Trilobe BHCS	1703493	
23	1" Snap	1015702	66	5" Anti-Twist Assembly Clip	1013803-3	106	M6 x 30 FH Threadforming Screw	1701704	
24	9/16" Snap	1015701	67	4" Anti-Twist Assembly Clip	1013803-2	107	M6x30mm HHCS	93-09-723187	
25	Gutter	1015700	68	7" Anti-Twist Assembly Clip	1013897-2	109	M6 Steel Rivnut	US09-1560-01	
26	Resilience Jamb Filler	1016844	69	10" Anti-Twist Assembly Clip	1013897-1	110	M8 Steel Rivnut	1703429	
27	Jamb	US01-0931	70	Rod, Threaded, 3/8"	50-09-100				
28	Jamb Filler	US01-0933	71	Nut, 3/8-16 Whiz flange zinc	50-09-132				
29	S/L Cap	1008138	72	M6x12mm SHCS BLK Zinc	1703632				
30	Wedge Seal (9/16" L.D. glass)	1703423	73	M5x8mm BHCS	1703508				
31	Fixed Seal (1" L.D. glass)	1703638	74	Screw, HWH, 1/4-14x1"TEK	US09-1294-01				
32	Resilience Crash Bar Kit (Optional)	1017922	75	Anti-Twist Bracket	1019248				
33	Wedge Seal (9/16" L.D. glass)	1703422	76	NAPS R Btm Ball Catch Kit	1017936				
34	Fixed Seal (9/16" L.D. glass)	1703421	77	Resilience S/L Pivot Base Kit	1019262				
35	Wedge Seal (9/16" L.E. & 1" L.D. glass)	1703423	78	Kit, Resilience Jamb Interlock Hook	1018092				
39	Glass Setting Block	1016294	79	Resilience Jamb Lock Strike	1017900				
40	M6 x 30 FH Threadforming Screw	1701704	80	Lock Plate	US04-0948-01				
41	Deadbolt Lever, AR4550, RH, CL (Optional)	US05-0771-01	81	1/4"x 1-3/4" HWH Elco Ultracon Conc. Anchor	1703636				
42	Deadbolt Lever, AR4550, LH, CL (Optional)	US05-0771-03	82	3/16"x 1-3/4" HWH Elco Ultracon Conc. Anchor	1703635				
43	2 PT Lock	1703500	83	1/4"x 3-1/4" PFH Elco Ultracon Conc. Anchor	1703634				
Pos.	Description	Part.no.	Pos.	Description	Part.no.				

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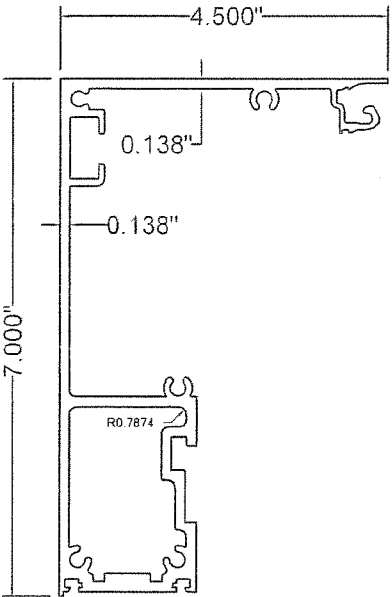
ASSA ABLOY ENTRANCE SYSTEMS
1900 AIRPORT ROAD
MONROE, NC 28110
PHONE: 1-866-237-2687

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

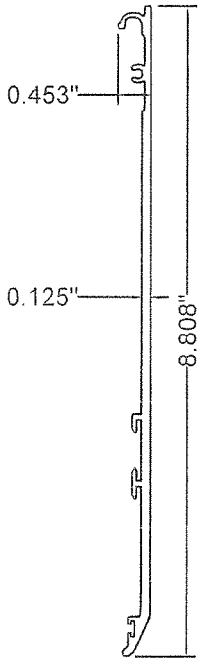
Revisions

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

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



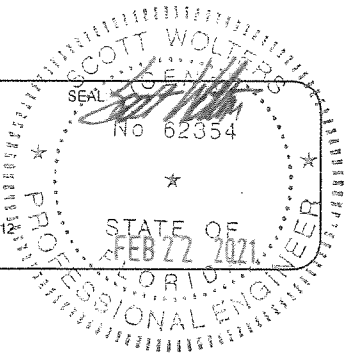
(129) SL500 Beam
6063-T6



(128) Beam Cover
6063-T5

SCOTT WOLTERS
FL PE# 62354

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



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 21-0324.07
Expiration Date 03/19/2025
By
Miami-Dade Product Control

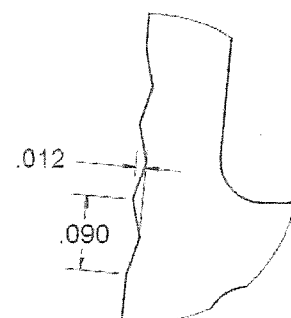
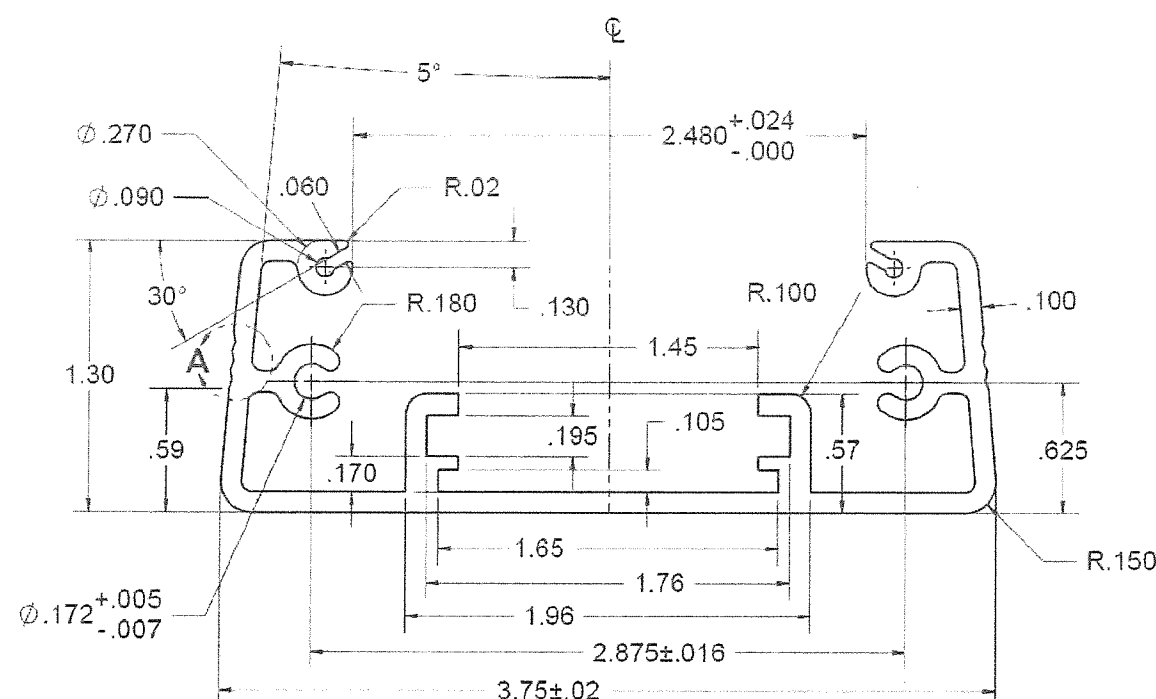
DWG NO.	SL500-R104FBO-D-HVHZ
DRAWN BY	SJF
DATE	7/19/2019
SHEET DESCRIPTION	Bill of Materials, Sheet 2 of 2
SHEET NO.	17 of 21

ASSA ABLOY

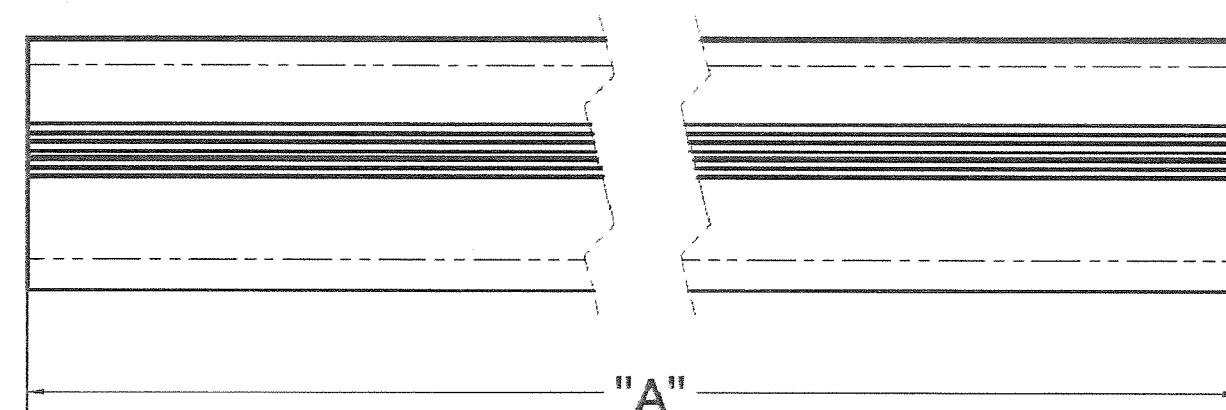
Revisions			
Rev	Description	Date	Approved
2	Formatting updates	3/3/20	SJF

**ASSA ABLOY SL500 RESILIENCE FULL BREAKOUT
LARGE & SMALL MISSILE 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



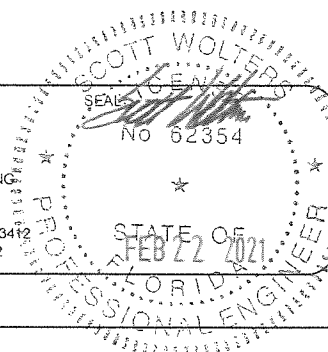
6. POST BAKE: NONE.
5. FINISH: 60 RMS OR BETTER.
4. HEAT TREAT: NONE.
3. MATERIAL: 6063-T6 ALUMINUM. (13'-8" LONG).
2. BREAK ALL SHARP EDGES.
1. ALL DIMENSIONS ARE FINISHED DIMENSIONS.

NOTES: UNLESS OTHERWISE SPECIFIED.

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

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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Miami-Dade Product Control

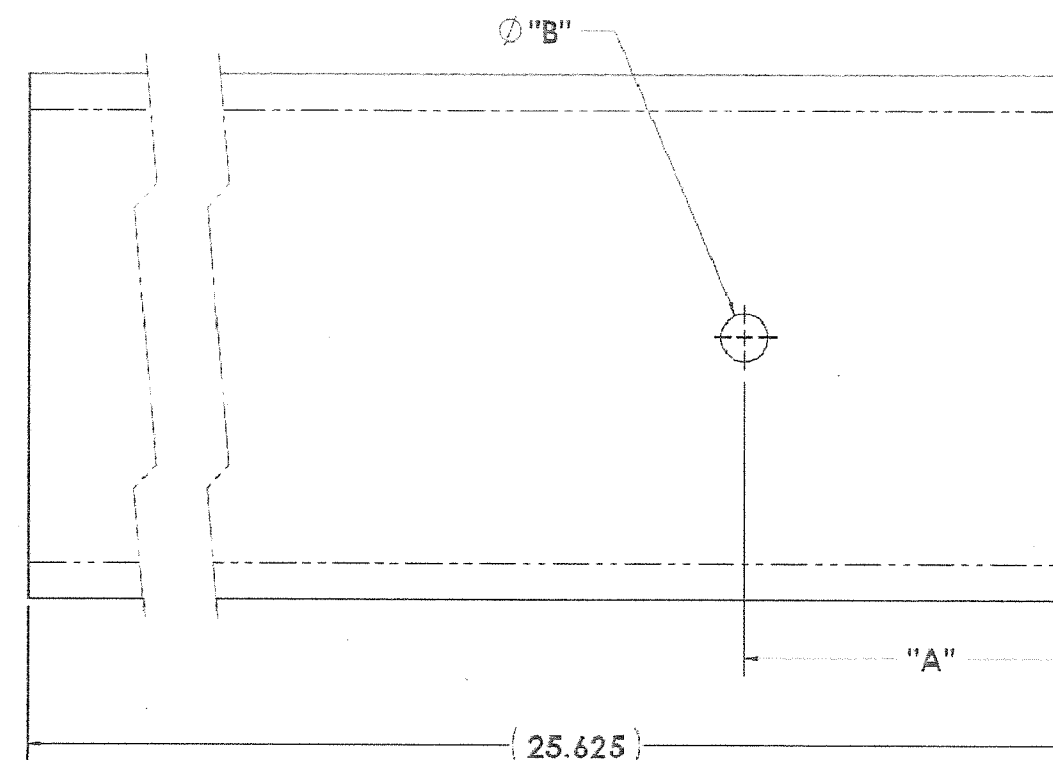
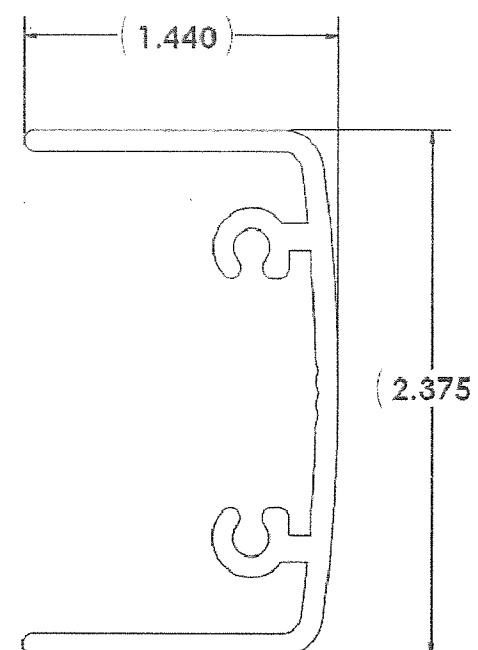
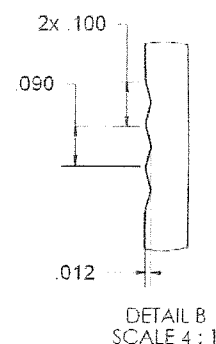
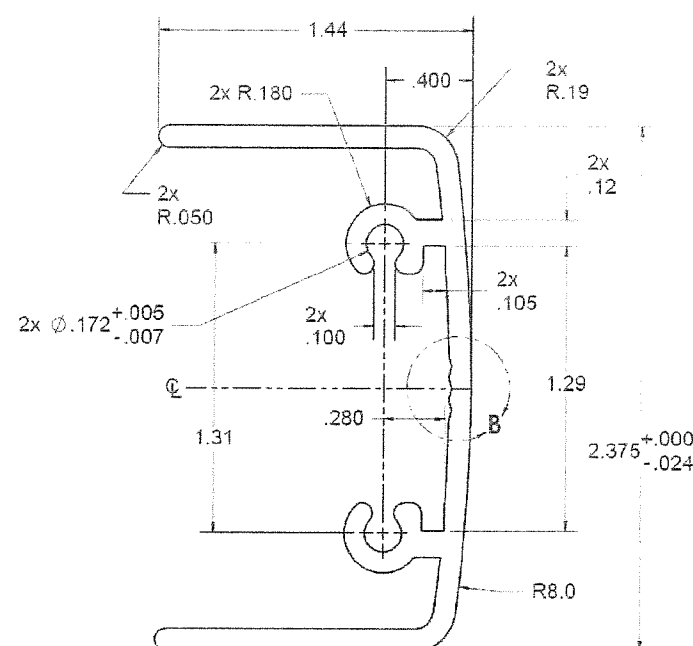
DWG NO.	SL500-R104FBO-D-HVHZ
DRAWN BY	SJF
DATE	7/19/2019
SHEET DESCRIPTION	Panic Exit Device Interior Profile
SHEET NO.	18 of 21

ASSA ABLOY

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

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

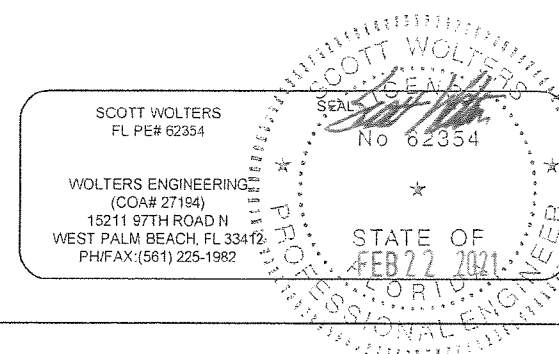
EXTRUSION
PUSH BAR G8X



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.

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



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NOA-No. 21-0324.07
Expiration Date 03/19/2025
By *[Signature]*
Miami-Dade Product Control

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

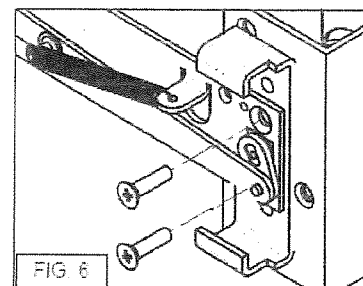
ASSA ABLOY

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

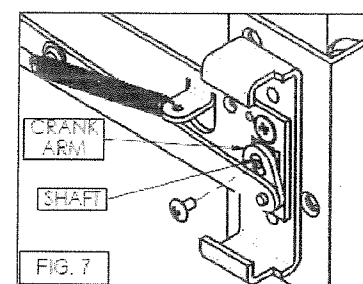
ASSA ABLOY

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

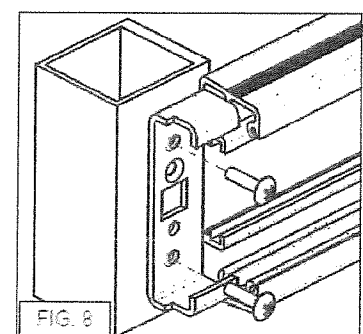
- f. Place scissor carriage on center block and secure with two 10-32 x 3/4" flat head machine screws.



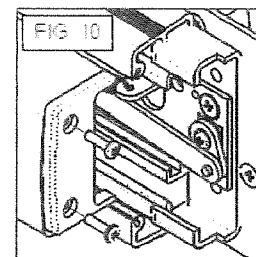
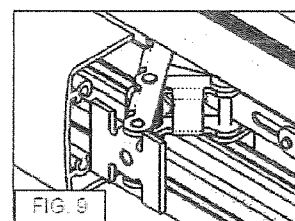
7. Secure crank arm.
a. Remove helper screw.
b. Align crank arm with shaft. You may have to operate the push bar scissors to align tab with slot.
c. Secure with one 6-32 x 1/4" truss head machine screw.



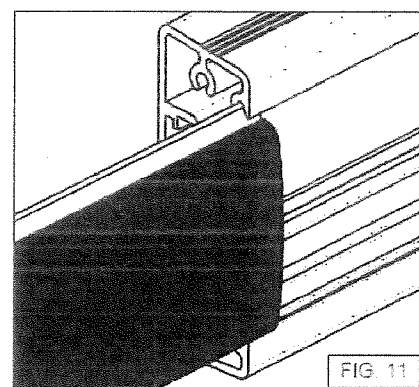
8. Insert mounting plate from the hinge side onto the back bar and secure with two 10-32 x 3/4" self-tapping screws on the triangle side stile.



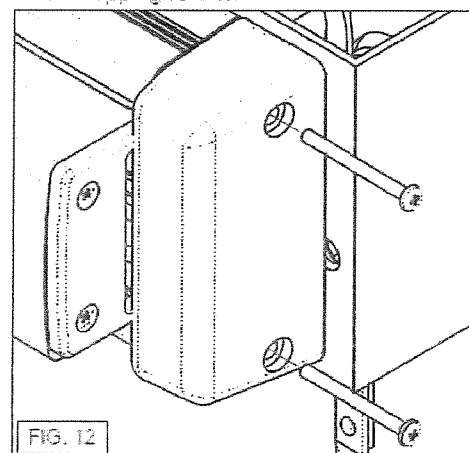
9. Insert push bar and secure end caps with four 10-32 x 1/2" self-tapping screws.



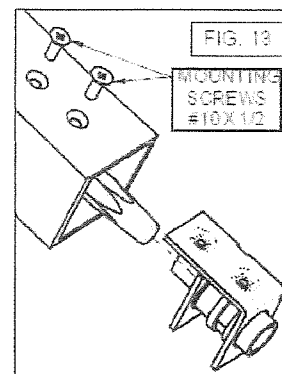
10. Insert cover strip into back bar. Push in until flush with back bar extrusion.



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

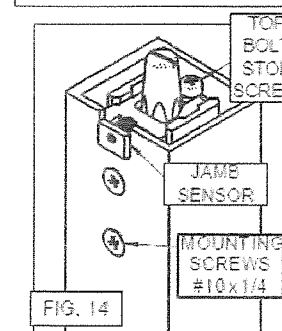


12. Insert bottom bolt (Fig. 13) guide with the plastic guide towards the bottom. And secure with two 10-32 x 1/2" flat head machine screws. The bottom screw will lock the bottom bolt adjustment. Leave this screw loose until final adjustment.



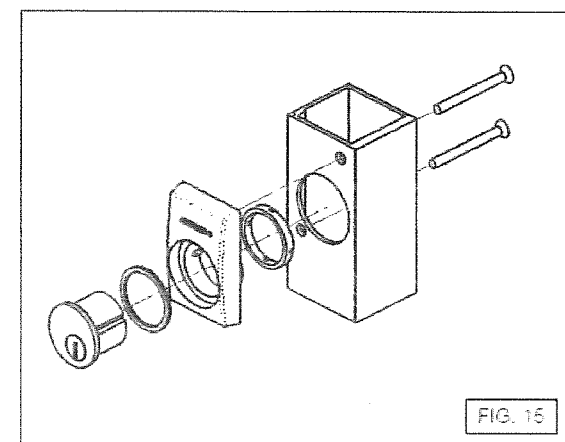
13. Secure top latch (Fig. 14) assembly.

- 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.

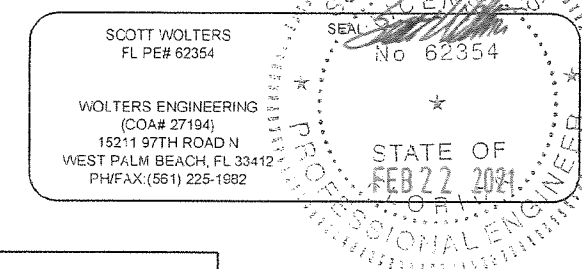
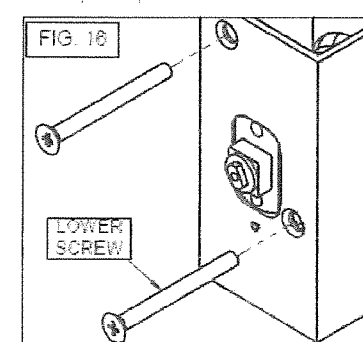


15. Check operation: push top jam sensor.
a. Top bolt will project.
b. If it doesn't - check rods for binding.
16. Now install the door into the frame.
17. Mark the locations for the bolt holes very carefully.
a. Misalignment of these holes will prevent the bolts from fully traveling into the deadlocked 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.

- 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.
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.



**ASSA ABLOY SL500 RESILIENCE FULL BREAKOUT
LARGE & SMALL MISSILE 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. 21-0324.07
Expiration Date 03/19/2025
By **Scott Wolters**
Miami-Dade Product Control

DWG NO.	SL500-R104FBO-D-HVHZ
DRAWN BY	SJF
DATE	7/19/2019
SHEET DESCRIPTION	Panic Exit Device Installation
DETAILS, SHEET 2 OF 2	SHEET NO. 21 OF 21

ASSA ABLOY