

Revisions			
Rev	Description	Date	Approved
2	Added EX-SL Option Details	05/24/22	CBG
3	Notes changed, was 26 pages	9/4/26	SS

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED PER TAS 201, 202, & 203. IT MEETS ALL OF THE REQUIREMENTS OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE, INCLUDING THE HVHZ PROVISIONS. GLASS TYPE 1 IS LARGE AND SMALL MISSILE IMPACT RESISTANT, AND DOES NOT REQUIRE SHUTTERS IN WINDBORNE DEBRIS REGIONS. GLASS TYPE 4 IS NOT IMPACT RESISTANT, AND SHUTTERS ARE REQUIRED IN WINDBORNE DEBRIS REGIONS.
2. MAX. DESIGN PRESSURES ARE LISTED ON SHEET 6.
3. WATER INFILTRATION: THIS DOOR SYSTEM HAS TWO APPROVED CONFIGURATIONS PER FBC 9TH EDITION SECTION 1709.5.1.
- A. BASE DOOR (NO LWI KIT): NOT TESTED OR RATED FOR WATER INFILTRATION RESISTANCE. PERMITTED ONLY IN NONHABITABLE AREAS WHERE THE DOOR ASSEMBLY AND AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION (EXCEPTION 1). AN OVERHANG ALONE DOES NOT QUALIFY THE BASE DOOR.
- B. DOOR WITH LWI KIT: LABELED WITH A LIMITED WATER (LW) RATING PER AAMA/WDMA/CSA 101/I.S.2/A440. PERMITTED WHERE THE OVERHANG (OH) RATIO IS EQUAL TO OR GREATER THAN 1 (EXCEPTION 2). OH RATIO = OH LENGTH / OH HEIGHT. SEE FBC SECTION 1709.5.1 EXCEPTION 2 FIGURES A AND B FOR OH LENGTH. THE LWI KIT MUST BE INSTALLED FOR THIS EXCEPTION TO APPLY.
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 25.
5. ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS LISTED IN THE ANCHOR CHART ON SHEET 25, AND AS DETAILED IN THESE DRAWINGS. ANCHOR EMBEDMENT IN SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO.
6. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS.
7. THE 4/3 INCREASE IN ALLOWABLE STRESS FOR SHORT-TERM LOADING HAS NOT BEEN USED IN THE DESIGN OF THIS SYSTEM. THE 1.6 Cd FACTOR HAS BEEN USED IN THE ANALYSIS OF WOOD SCREWS ONLY.
8. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT GALVANIC REACTIONS IN ACCORDANCE WITH FBC CHAPTERS 20 AND 23.

SYSTEM NOTES:

9. ALL ALUMINUM PARTS SHALL BE 6063-T5 ALUMINUM ALLOY AND TEMPER, UNLESS OTHERWISE NOTED.
10. FOR GLAZING DETAILS, SEE SHEETS 7 AND 8.
11. THE GLAZING MATERIALS IN BOTH FIXED AND SLIDING PANELS OF ALL SLIDING DOORS MUST COMPLY WITH THE REQUIREMENTS IN THE PERFORMANCE SPECIFICATIONS AND METHODS OF TEST FOR SAFETY GLAZING MATERIALS USED IN BUILDINGS, PER FBC REQUIREMENTS.
12. THIS SYSTEM HAS NOT BEEN TESTED PER ANSI Z97.1.

CORNER CONSTRUCTION:

13. FRAME CORNERS ARE SQUARE CUT AND MECHANICALLY FASTENED AT THE HEAD WITH M6x30 SCREWS USING A BEAM END PLATE (SEE SHEET 24),
14. PANEL CORNERS ARE SQUARE CUT AND MECHANICALLY FASTENED AT EACH CORNER USING ANTI-TWIST BRACKETS, THEN REINFORCED WITH (2) FULL WIDTH 3/8" THREADED TIE IN THE TOP AND BOTTOM RAILS.

Sheet

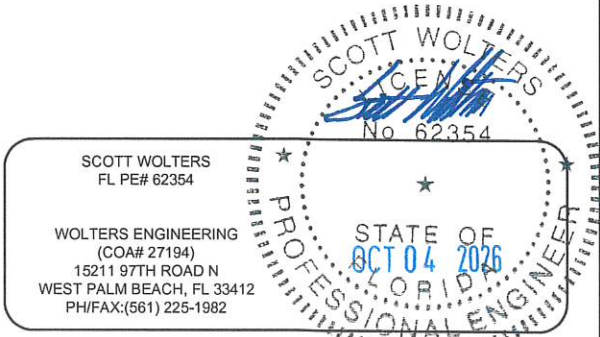
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Description

General Notes
Bi-Part Elevation, EX-SW 10', Jamb Anchoring Locations
Bi-Part Elevation, EX-SW 8', Jamb Anchoring Locations
Bi-Part Elevation, EX-SL 8', Jamb Anchoring Locations
Bi-Part Elevation, EX-SL 10', Jamb Anchoring Locations
Design Pressure Charts
Glazing Details
EX Option Glazing Details
Bi-Part With EX-SW Door Panels Section Views
Bi-Part With EX-SL Door Panels Section Views
Bi-Part Header and Sill Anchoring Locations
EX-SL Header and Sill Anchoring Locations
Bi-Part With EX-SW Door Panels Section Views - Water Infiltration
Bi-Part With EX-SL Door Panels Section Views - Water Infiltration
Bi-Part Header and Sill Anchoring Locations - Water Infiltration
EX-SL Header and Sill Anchoring Locations - Water Infiltration
Bi-Part Door Connections and Head Section Views
EX-SW Option Door Connections and Head Section Views
EX-SL Option Door Connections and Head Section Views
Bi-Part Locking Mechanism Details and Muntin Details
EX-SW Option Locking Mechanism and Hinge Mounting
EX-SL Option Locking Mechanism and Spring Opener
EX-SW Option Door Latching
Frame Connection Details
Installation Anchor Table
Threshold Anchoring Details
Frame Anchoring Details
Bi-Part Profiles
EX Option Profiles
Bi-Part Bill of Materials
EX Option Bill of Materials



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by Scott Wolters
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15:38:16 -04'00'



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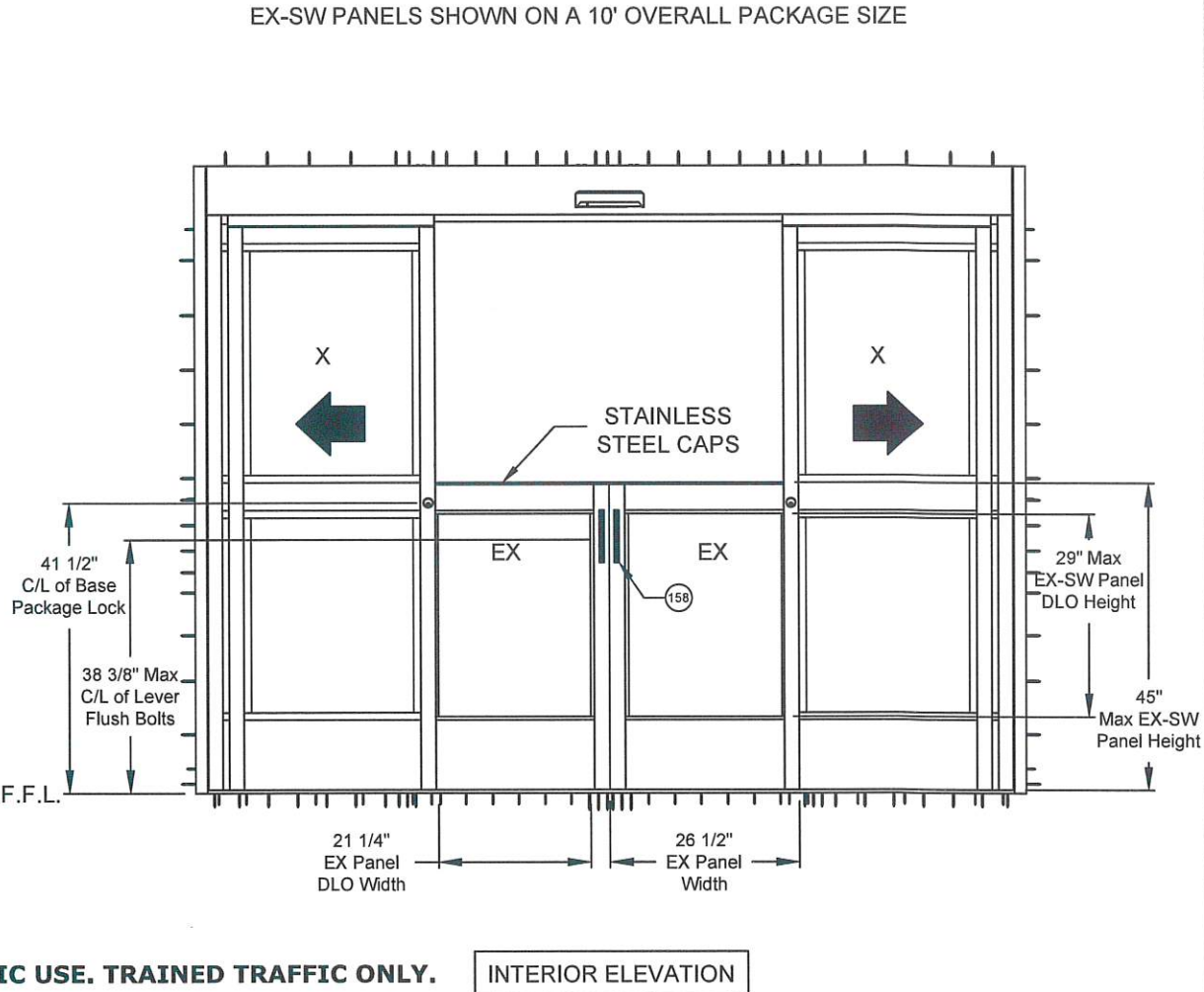
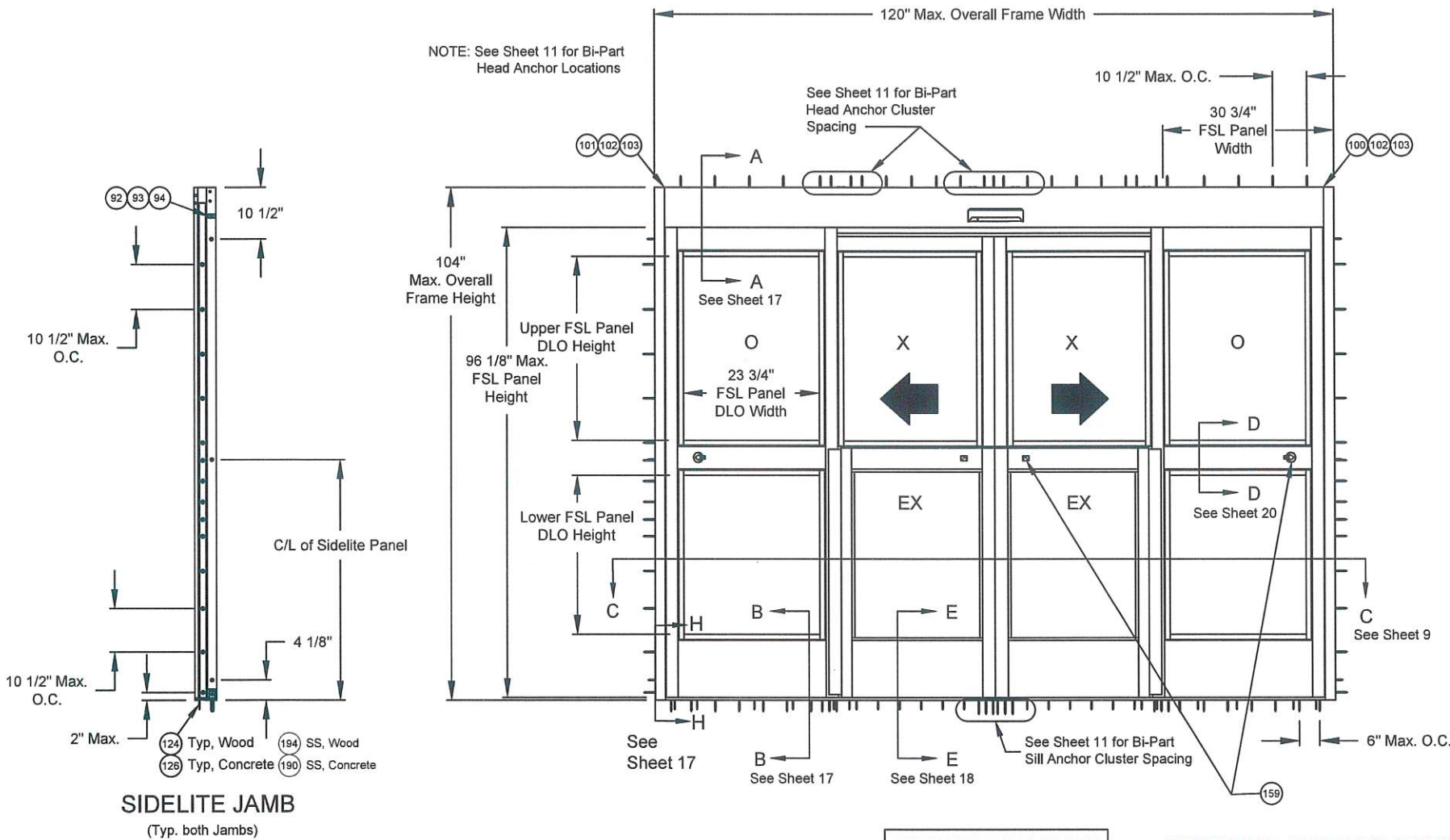
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SHEET DESCRIPTION	SHEET NO. 1 OF 31



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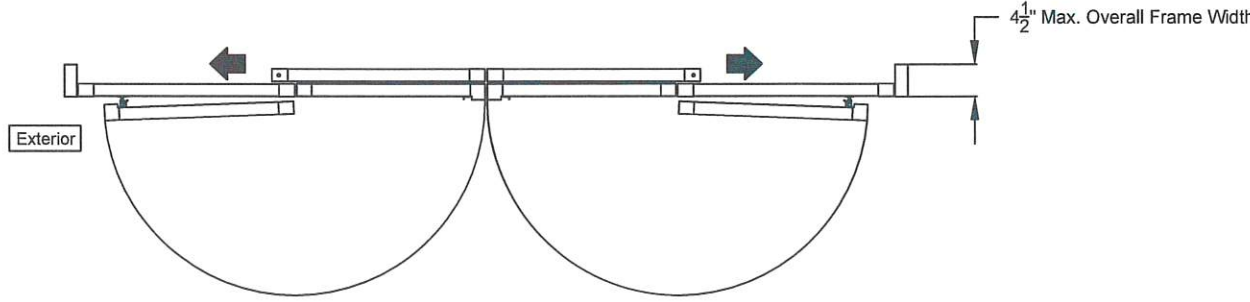
ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING FIXED SIDELITE
WITH EX OPTION

Revisions			
Rev	Description	Date	Approved
2	Added EX-SL Option Details	05/24/22	CBG
3	Notes changed, was 26 pages	9/4/26	SS



SLIDE DOORS CLOSED SHOWN
EX-SW DOORS CLOSED SHOWN

SLIDE DOORS OPEN SHOWN
EX-SW DOORS CLOSED SHOWN



Daylight Opening (DLO) Width Formulas	
FSL	FSL Panel Width - 7" [177.8]
EX-SW	EX-SW Panel Width - 5 1/4" [133.3]

Daylight Opening (DLO) Height Formulas	
FSL	Max. Total = Upper+Lower = FSL Panel Height - 31 1/2" [800.1]
EX-SW	EX-SW Panel Height - 14" [355.6]

NOTE: Upper & Lower FSL DLOs are variable based on selected muntin height. Total FSL DLO remains constant.

NOTE:
-BASE PACKAGE
ELEVATION APPLICABLE TO
BASE PACKAGE WITH LWI

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OCT 04 2026
PROFESSIONAL ENGINEER

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	2 OF 31

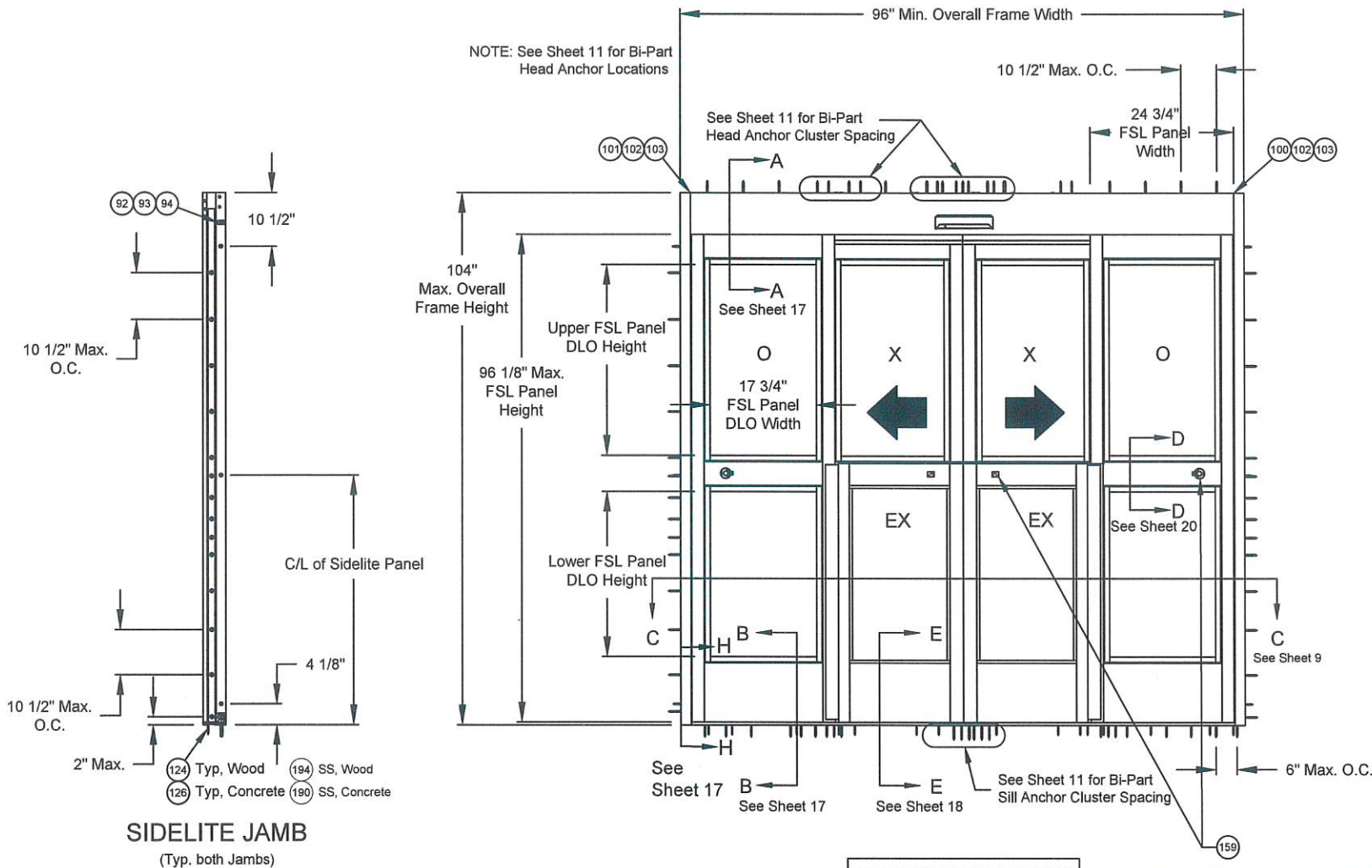




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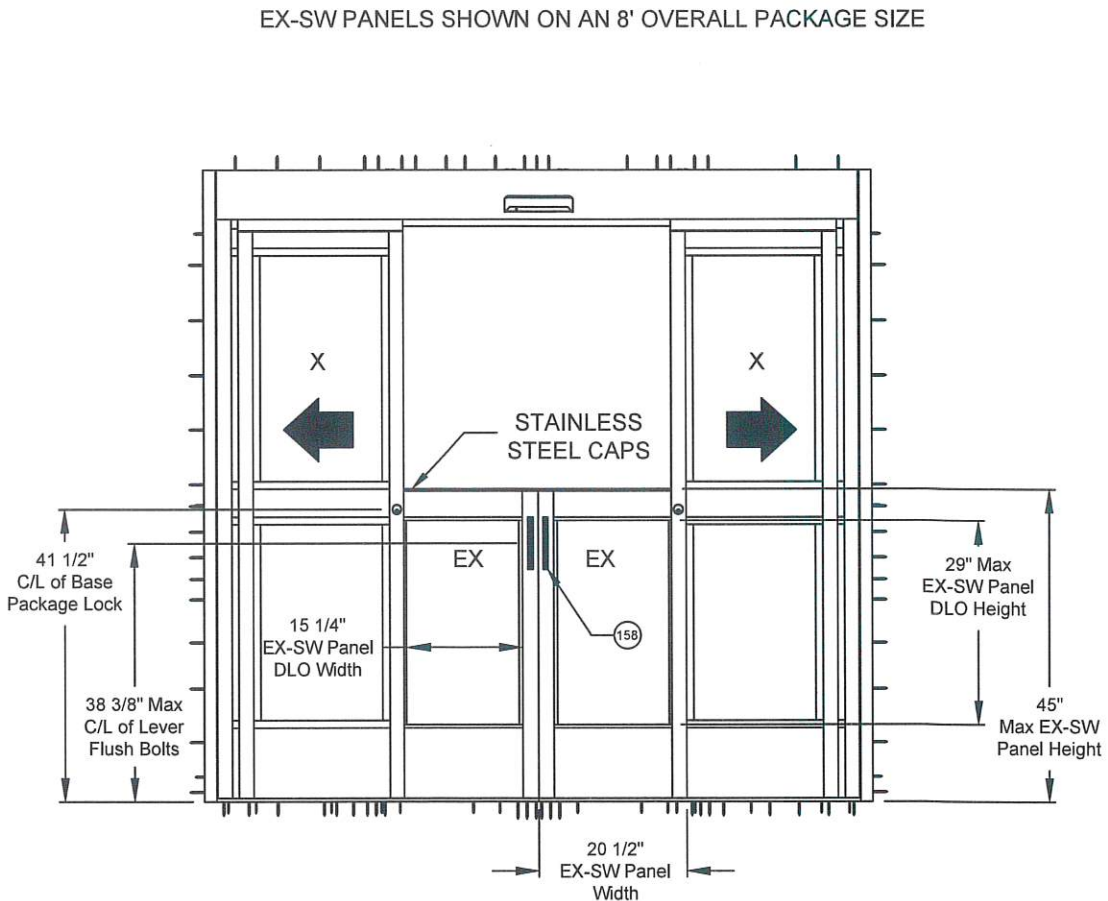
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EXTERIOR ELEVATION

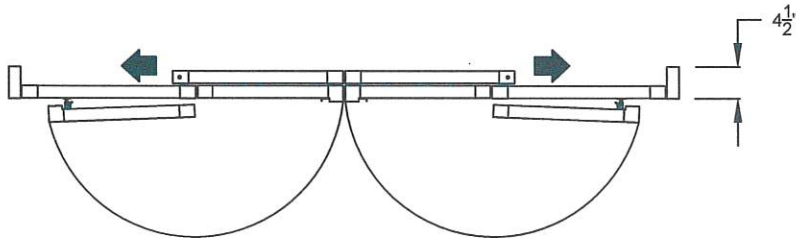
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INTERIOR ELEVATION



SLIDE DOORS CLOSED SHOWN
EX-SW DOORS CLOSED SHOWN

SLIDE DOORS OPEN SHOWN
EX-SW DOORS CLOSED SHOWN



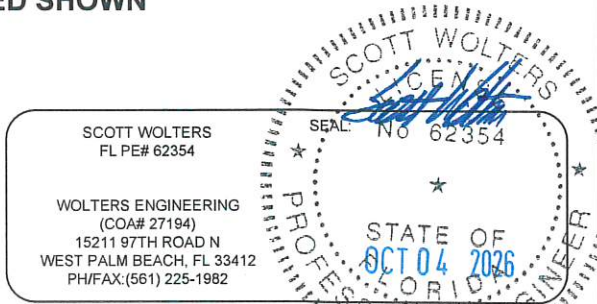
Exterior

	Daylight Opening (DLO) Width Formulas
FSL	FSL Panel Width - 7" [177.8]
EX-SW	EX-SW Panel Width - 5 1/4" [133.3]

	Daylight Opening (DLO) Height Formulas
FSL	Max. Total = Upper+Lower = FSL Panel Height - 31 1/2" [800.1]
EX-SW	EX-SW Panel Height - 14" [355.6]

NOTE: Upper & Lower FSL DLOs are variable based on selected muntin height. Total FSL DLO remains constant.

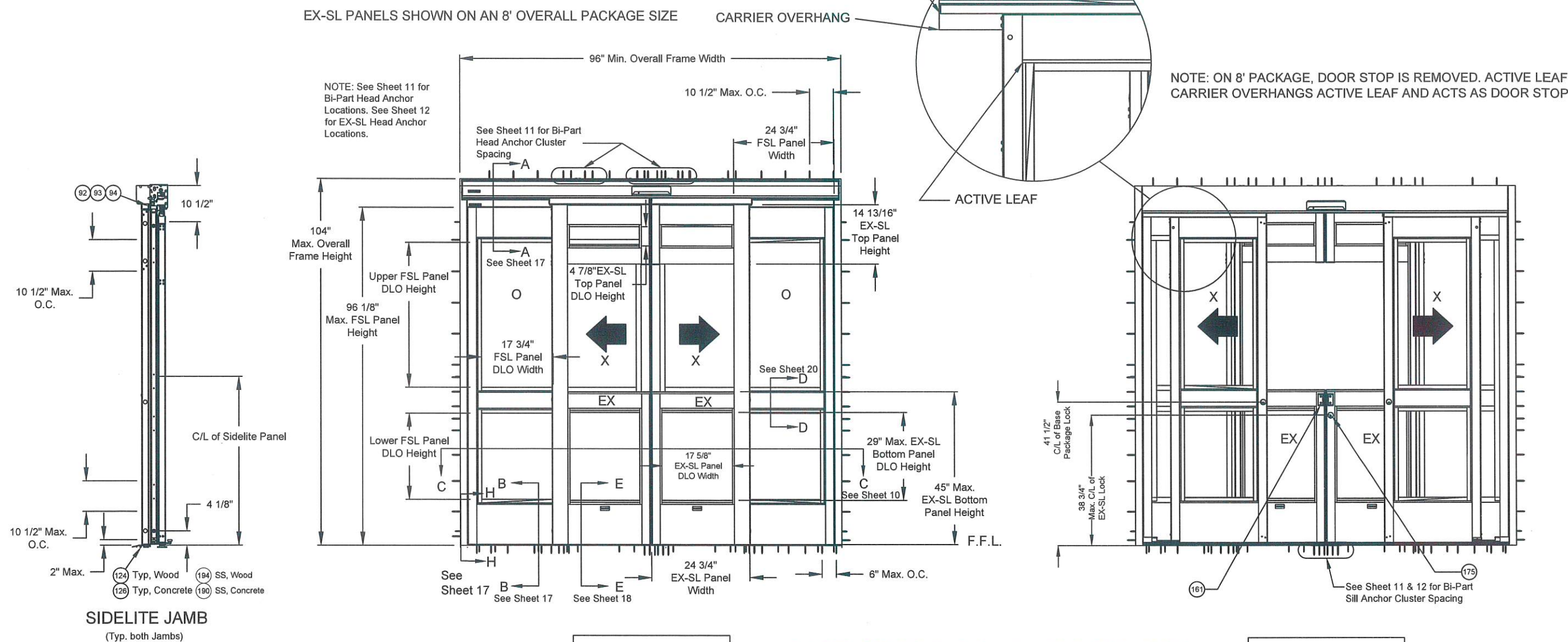
NOTE:
-BASE PACKAGE
ELEVATION APPLICABLE TO
BASE PACKAGE WITH LWI



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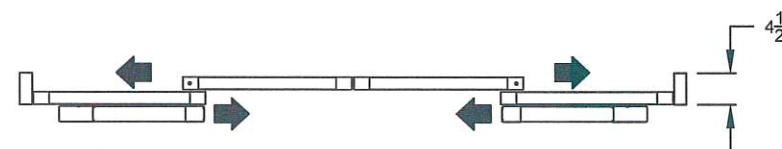
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SLIDE DOORS CLOSED SHOWN
EX-SL DOORS CLOSED SHOWN

SLIDE DOORS OPEN SHOWN
EX-SL DOORS CLOSED SHOWN



Exterior

	Daylight Opening (DLO) Width Formulas
FSL	FSL Panel Width - 7" [177.8]
EX-SL	EX-SL Panel Width - 5 1/4" [133.3]

	Daylight Opening (DLO) Height Formulas
FSL	Max. Total = Upper+Lower = FSL Panel Height - 31 1/2" [800.]
EX-SL Top	EX-SL Top Panel Height - 9 15/16" [248.4]
EX-SL Bottom	EX-SL Bottom Panel Height - 16" [406.4]

NOTE: Upper & Lower FSL DLOs are variable based on selected muntin height. Total FSL DLO remains constant.

NOTE:
-BASE PACKAGE
ELEVATION APPLICABLE TO
BASE PACKAGE WITH LWI

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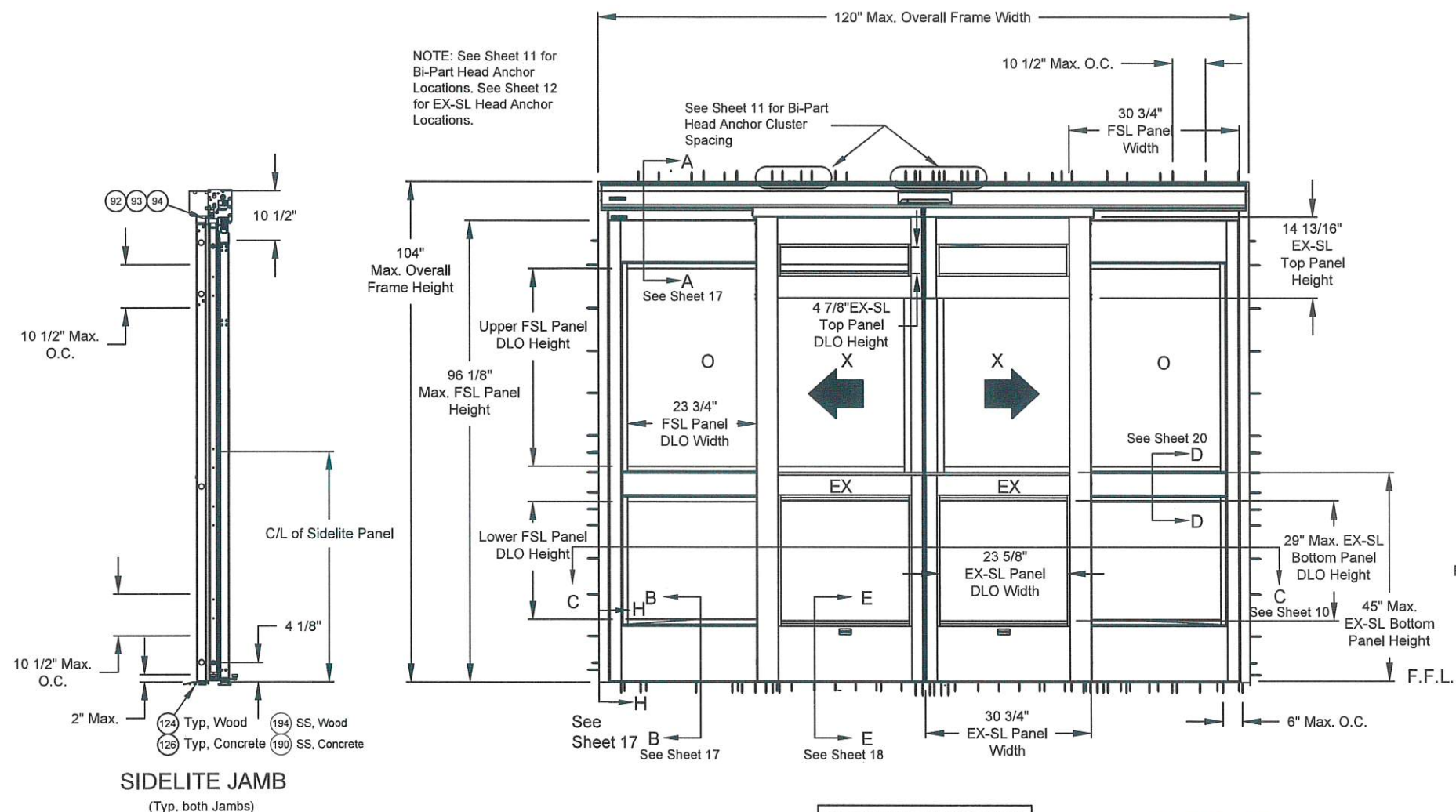
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SHEET DESCRIPTION		SHEET NO. 4 OF 31	

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SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING FIXED SIDELITE
WITH EX OPTION

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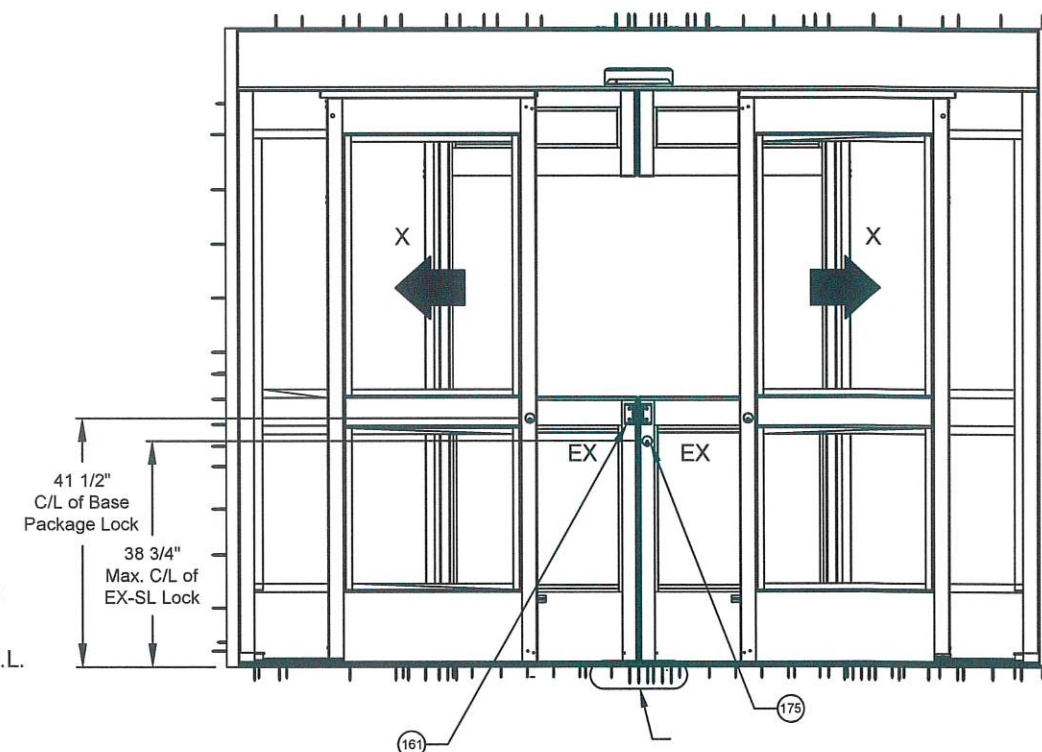
EX-SL PANELS SHOWN ON A 10' OVERALL PACKAGE SIZE



EXTERIOR ELEVATION

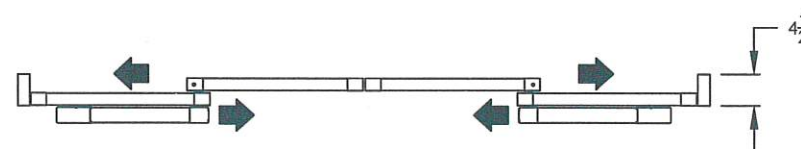
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INTERIOR ELEVATION



SLIDE DOORS OPEN SHOWN
EX-SL DOORS CLOSED SHOWN

SLIDE DOORS CLOSED SHOWN
EX-SL DOORS CLOSED SHOWN



Exterior

	Daylight Opening (DLO) Width Formulas
FSL	FSL Panel Width - 7" [177.8]
EX-SL	EX-SL Panel Width - 5 1/4" [133.3]

	Daylight Opening (DLO) Height Formulas
FSL	Max. Total = Upper+Lower = FSL Panel Height - 31 1/2" [800.1]
EX-SL Top	EX-SL Top Panel Height - 9 15/16" [248.4]
EX-SL Bottom	EX-SL Bottom Panel Height - 16" [406.4]

NOTE: Upper & Lower FSL DLOs are variable based on selected muntin height. Total FSL DLO remains constant.

NOTE:
-BASE PACKAGE
ELEVATION APPLICABLE TO
BASE PACKAGE WITH LWI

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SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING FIXED SIDELITE
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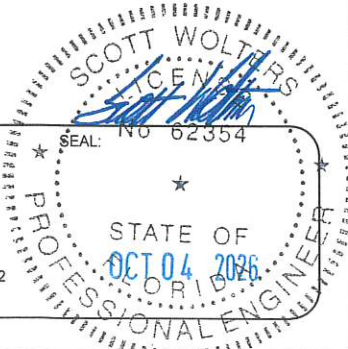
ALLOWABLE PRESSURES (PSF) FOR GLASS TYPE 1 (LMI LEVEL D) BI-PART WITH 4-POINT LOCK		
		FRAME WIDTH (in)
		96-120
FRAME HEIGHT (in)	90	±80.0
	92	
	94	
	96	
	98	
	100	
	102	
	104	

ALLOWABLE PRESSURES (PSF) FOR GLASS TYPE 4 (NON-IMPACT**) BI-PART WITH 4-POINT LOCK		
		FRAME WIDTH (in)
		96-120
FRAME HEIGHT (in)	90	±80.0
	92	
	94	
	96	
	98	
	100	
	102	
	104	

**SHUTTERS ARE REQUIRED FOR WINDBORNE DEBRIS REGIONS

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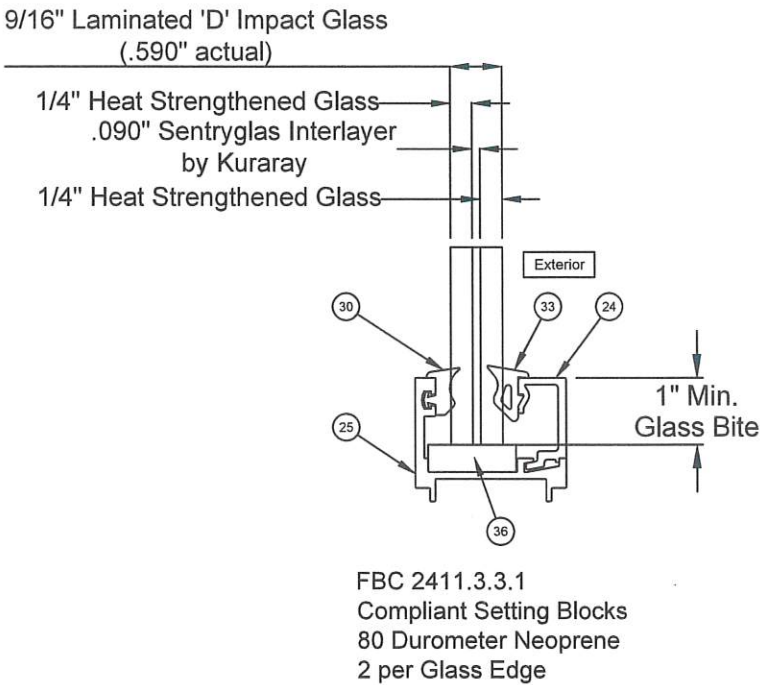


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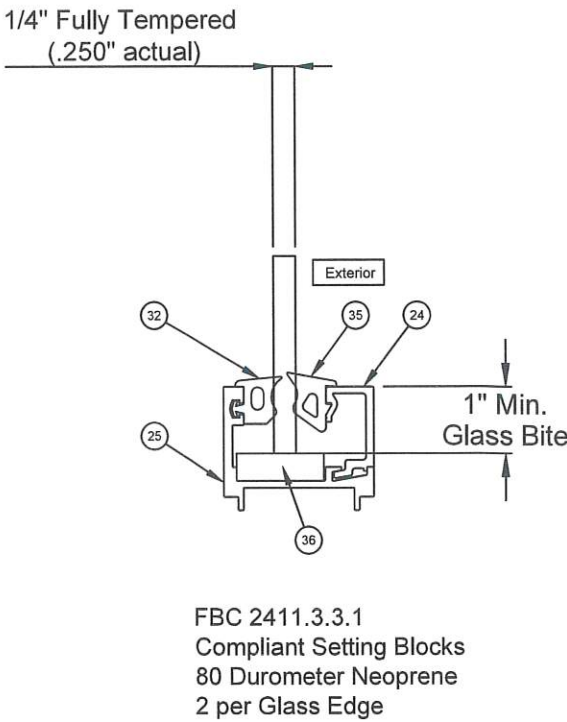
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Glass Type 1
9/16" LAMINATED GLASS



LEVEL D
LARGE AND SMALL MISSILE IMPACT

Glass Type 4
1/4" TEMPERED GLASS



NON-IMPACT

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

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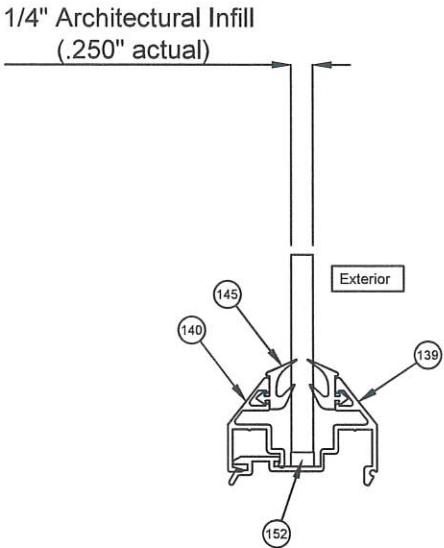
SHEET DESCRIPTION SHEET NO. 7 OF 31

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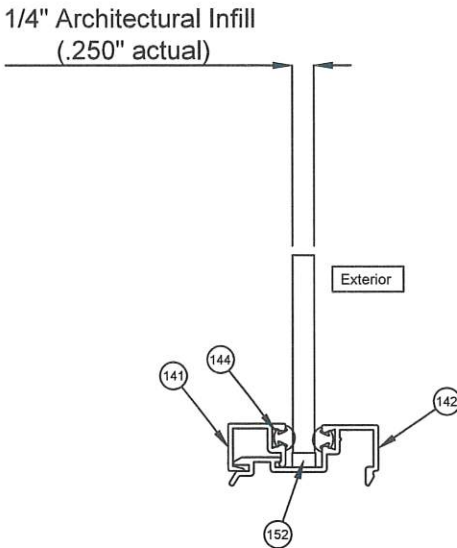
EX OPTION DOOR
1/4" ARCHITECTURAL INFILL

SLOPED
GUTTER AND SNAP



FBC 2411.3.3.1
Compliant Setting Blocks
80 Durometer Neoprene
1 per Edge

STANDARD
GUTTER AND SNAP



FBC 2411.3.3.1
Compliant Setting Blocks
80 Durometer Neoprene
1 per Edge

NON-IMPACT

NOTE: ARCHITECTURAL INFILL IS REQUIRED FOR EX-SW AND EX-SL PANELS,
HURRICANE RATED GLASS IS NOT AVAILABLE FOR THESE PANELS.

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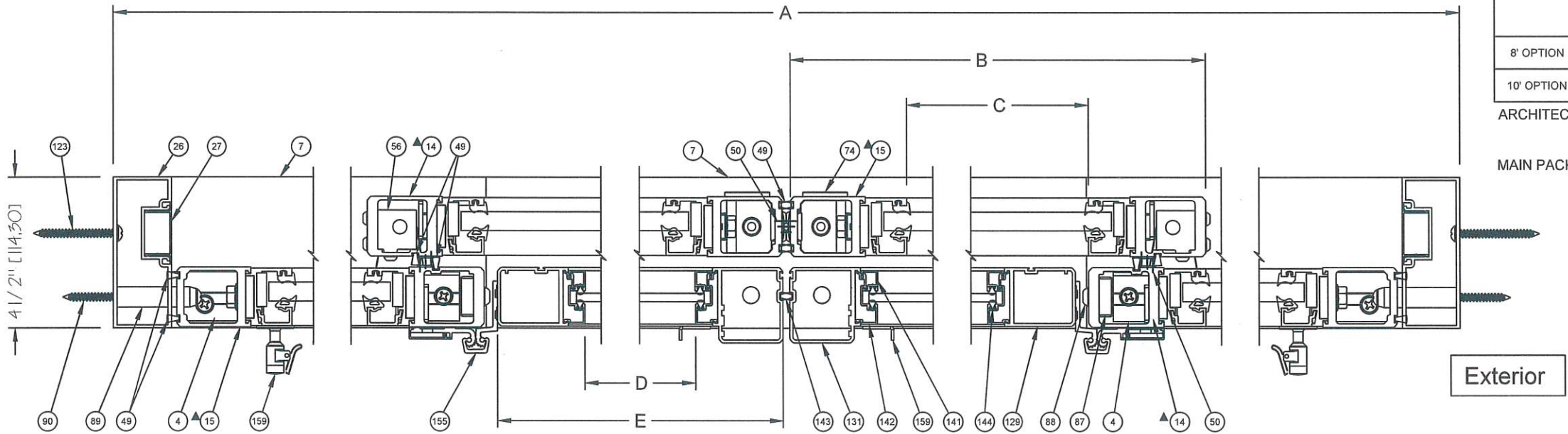
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SHEET DESCRIPTION	SHEET NO. 8 OF 31
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▲ US Patent 11,448,003 B2

BASE PACKAGE

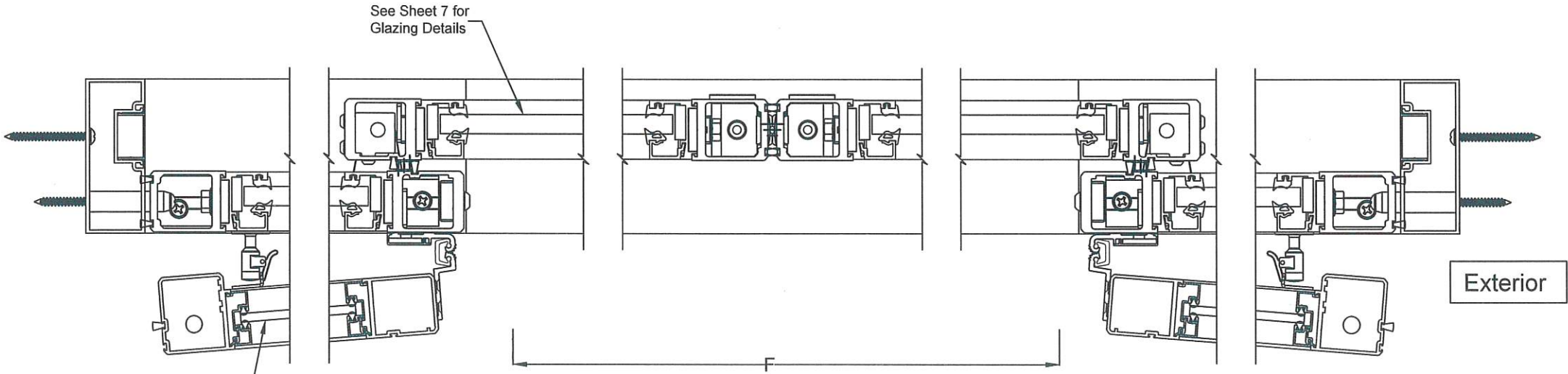


	OVERALL FRAME WIDTH (A)	PANEL WIDTH (B)	DLO WIDTH (C)	EX-SW PANEL WIDTH (D)	EX-SW PANEL DLO WIDTH (E)	CLEAR DOOR OPENING (F)
8' OPTION	96" [2438.4]	24 3/4" [628.7]	17 3/4" [450.9]	20 1/2" [520.7]	15 1/4" [387.4]	29 1/2" [749.3]
10' OPTION	120" [3048]	30 3/4" [781.1]	23 3/4" [603.3]	26 1/2" [673.1]	21 1/4" [539.8]	42 1/8" [1070.0]

ARCHITECTURAL INFILL FORMULA: WIDTH: D-4 3/4" [120.7]
HEIGHT: EX-SW PANEL HEIGHT- 14 1/2" [368.3]

MAIN PACKAGE GLASS FORMULA: WIDTH: A/4 - 4 3/4" [120.7]
HEIGHT: OFH - 20 1/2" [520.7]

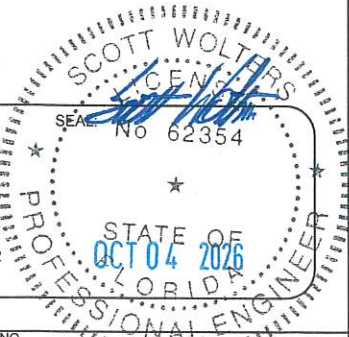
Section C-C
EX-SW OPTION DOORS CLOSED SHOWN



Section C-C
EX-SW OPTION DOORS OPEN SHOWN

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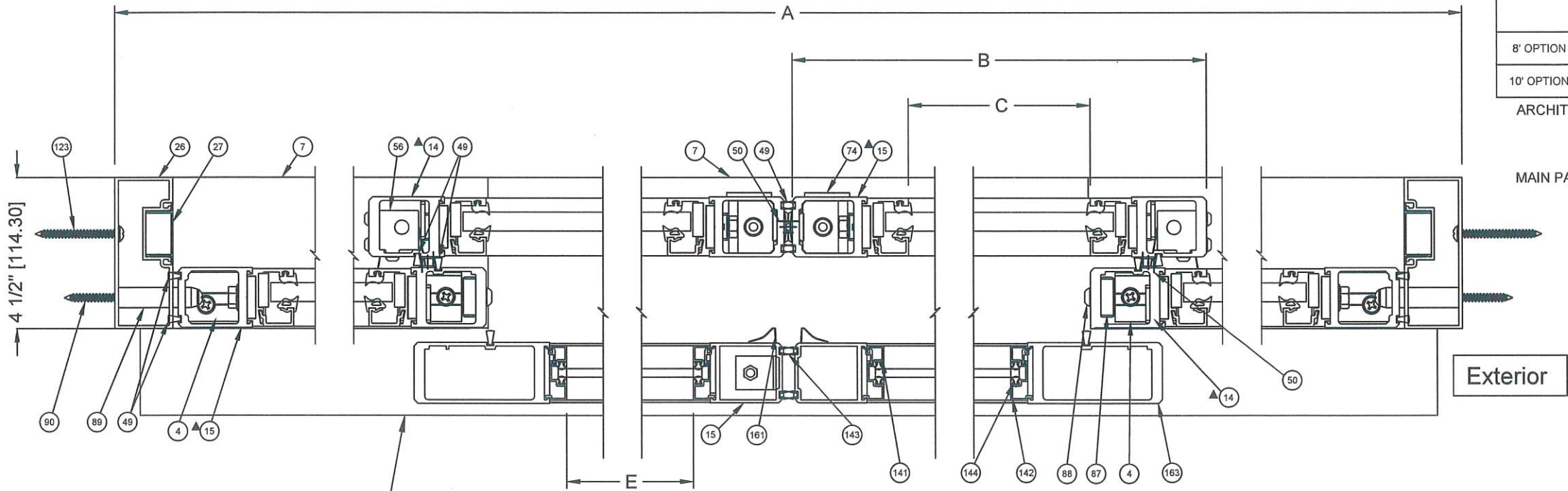


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BASE PACKAGE

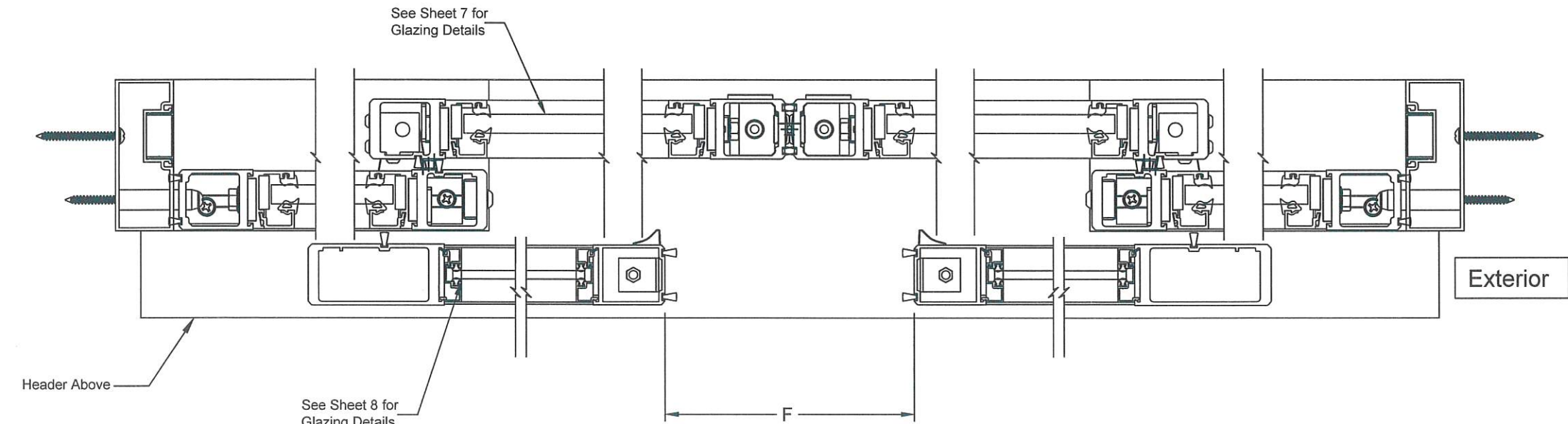
▲ US Patent 11,448,003 B2



	OVERALL FRAME WIDTH (A)	PANEL WIDTH (B)	DLO WIDTH (C)	EX-SL PANEL WIDTH (D)	EX-SL PANEL DLO WIDTH (E)	CLEAR DOOR OPENING (F)
8' OPTION	96" [2438.4]	24 3/4" [628.7]	17 3/4" [450.9]	24 3/4" [628.7]	17 5/8" [447.7]	29 1/2" [749.3]
10' OPTION	120" [3048]	30 3/4" [781.1]	23 3/4" [603.3]	30 3/4" [781.1]	23 5/8" [600.1]	42 1/8" [1070.0]

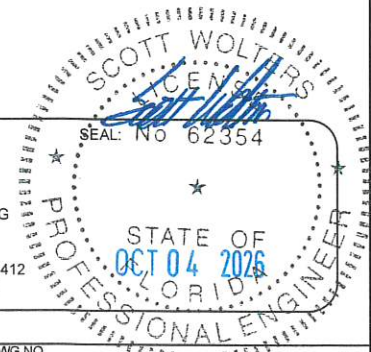
ARCHITECTURAL INFILL FORMULA: WIDTH: D - 6 5/8" [168.3]
TOP PANEL INFILL HEIGHT: 5 5/16" [134.9]
BOTTOM PANEL INFILL HEIGHT: 24 1/4" [616.0]
MAIN PACKAGE GLASS FORMULA: WIDTH: A/4 - 4 3/4" [120.7]
HEIGHT: OFH - 20 1/2" [520.7]

Section C-C
EX-SL OPTION DOORS CLOSED SHOWN



Section C-C
EX-SL OPTION DOORS OPEN SHOWN

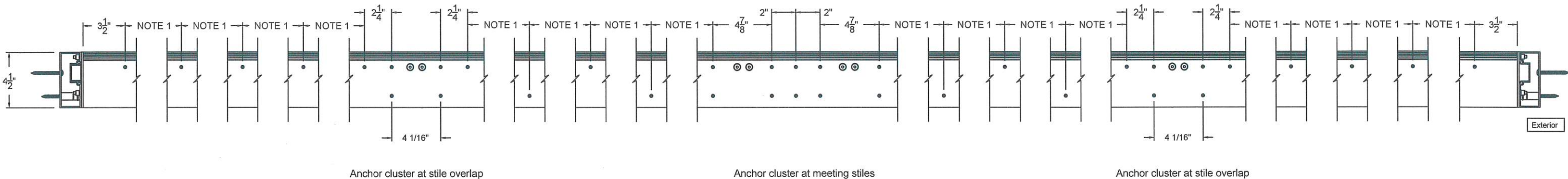
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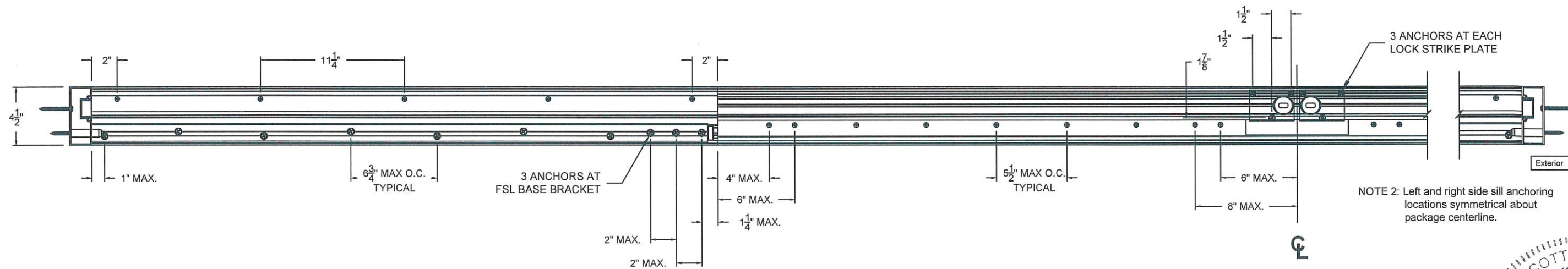
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BASE PACKAGE



NOTE 1: 10 1/2" Max. O.C.

BI-PART HEADER ANCHOR LOCATIONS



BI-PART SILL ANCHOR LOCATIONS

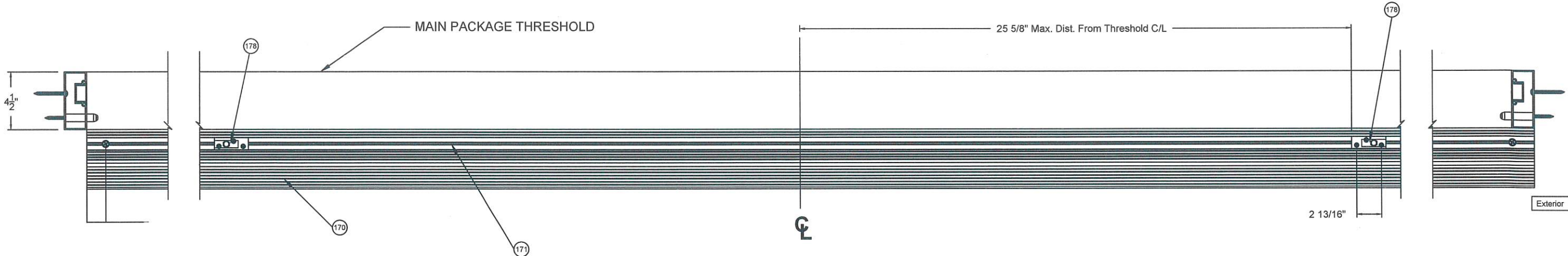
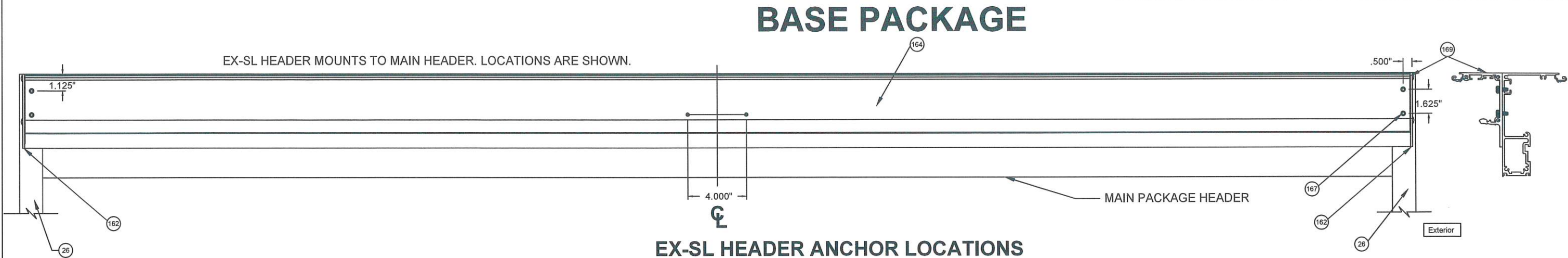
SCOTT WOLTERS
FL PE# 62354

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

STATE OF
FLORIDA
OCT 04 2026
PROFESSIONAL ENGINEER

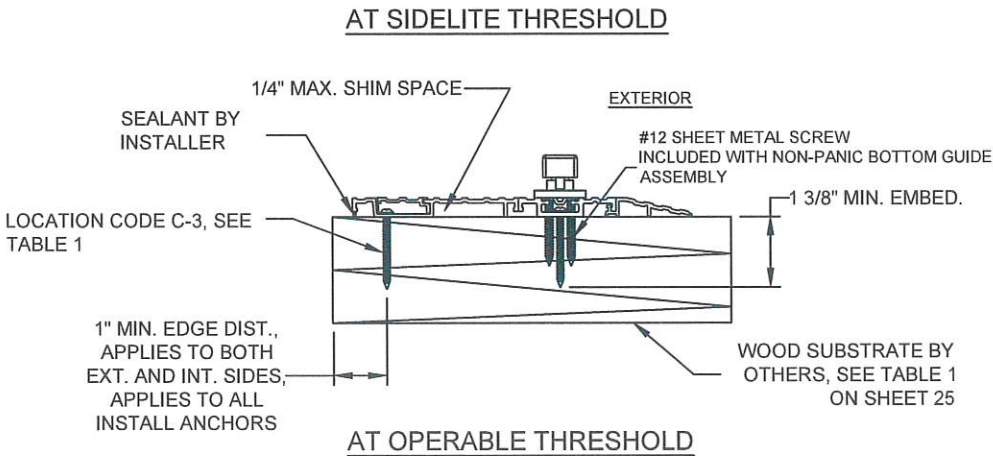
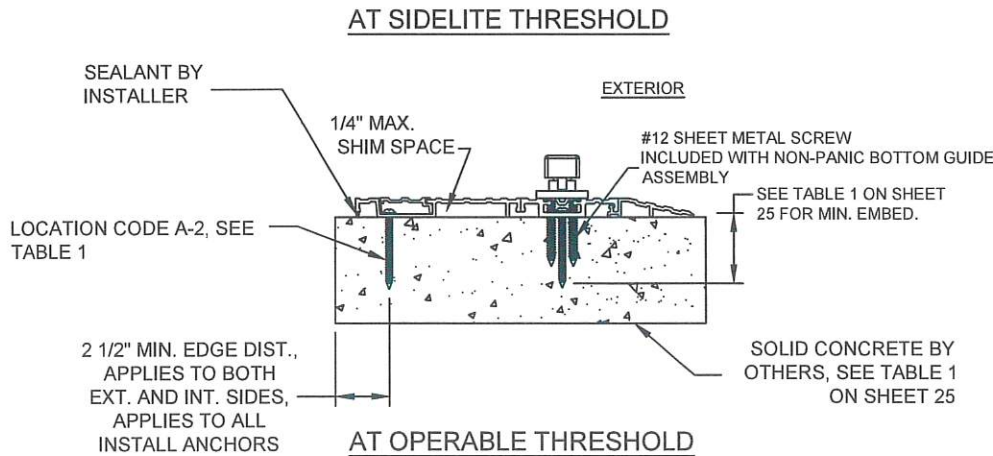
DWG NO.	DOC-1688257-FPA
DRAWN BY	JTG
DATE	05/24/2022
SHEET DESCRIPTION	SHEET NO. 11 OF 31

Revisions			
Rev	Description	Date	Approved
2	Added EX-SL Option Details	05/24/22	CBG
3	Base package title added, was 26 pages	9/4/26	SS



TYPICAL EX-SL SILL ANCHOR DETAILS IN CONCRETE

TYPICAL EX-SL SILL ANCHOR DETAILS IN WOOD



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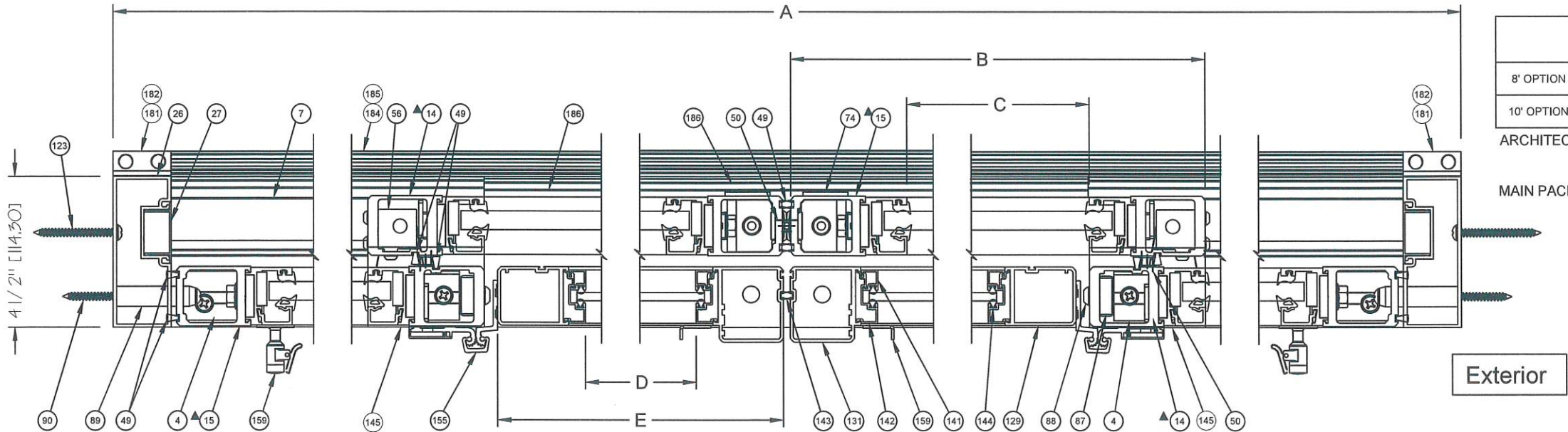
STATE OF FLORIDA
OCT 04 2026
PROFESSIONAL ENGINEER

DWG NO. 1688257-FPA
DRAWN BY JTG DATE 05/24/2022
SHEET DESCRIPTION SHEET NO. 12 OF 31

Revisions			
Rev	Description	Date	Approved
2	Added EX-SL Option Details	05/24/22	CBG
3	New option, was 26 pages	9/4/26	SS

▲ US Patent 11,448,003 B2

BASE PACKAGE WITH LWI OPTION

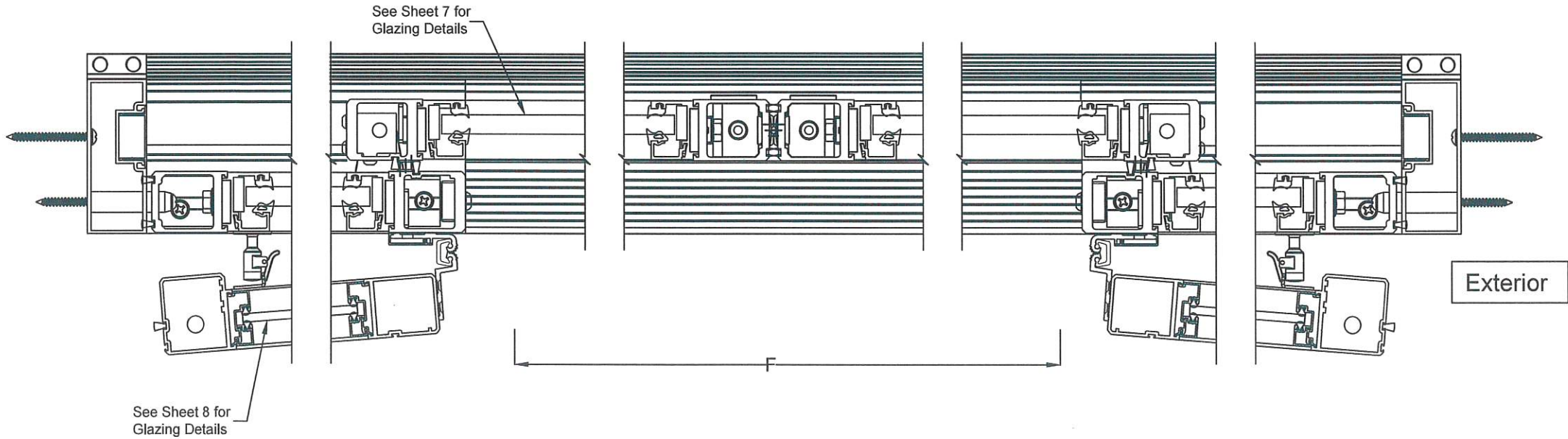


	OVERALL FRAME WIDTH (A)	PANEL WIDTH (B)	DLO WIDTH (C)	EX-SW PANEL WIDTH (D)	EX-SW PANEL DLO WIDTH (E)	CLEAR DOOR OPENING (F)
8' OPTION	96" [2438.4]	24 3/4" [628.7]	17 3/4" [450.9]	20 1/2" [520.7]	15 1/4" [387.4]	29 1/2" [749.3]
10' OPTION	120" [3048]	30 3/4" [781.1]	23 3/4" [603.3]	26 1/2" [673.1]	21 1/4" [539.8]	42 1/8" [1070.0]

ARCHITECTURAL INFILL FORMULA: WIDTH: D-4 3/4" [120.7]
HEIGHT: EX-SW PANEL HEIGHT- 14 1/2" [368.3]

MAIN PACKAGE GLASS FORMULA: WIDTH: A/4 - 4 3/4" [120.7]
HEIGHT: OFH - 20 1/2" [520.7]

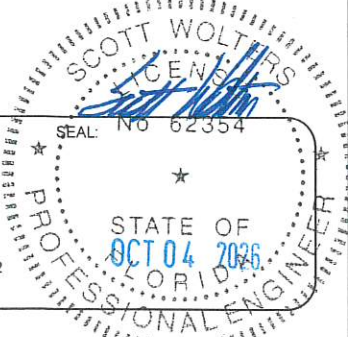
Section C-C
EX-SW OPTION DOORS CLOSED SHOWN



Section C-C
EX-SW OPTION DOORS OPEN SHOWN

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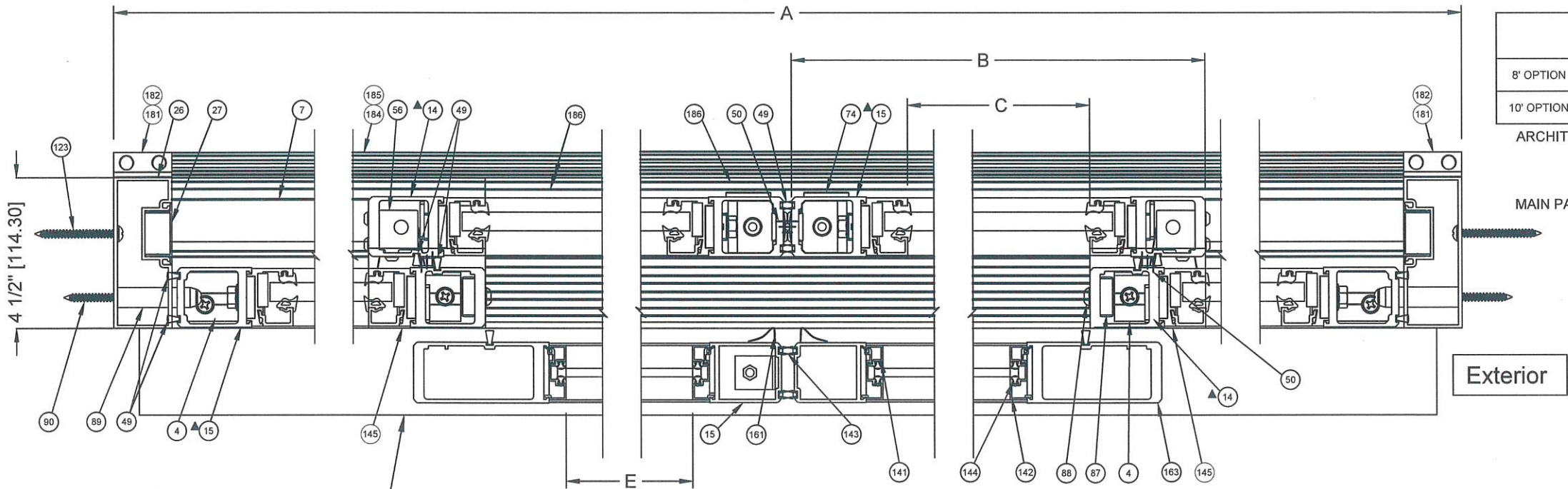


DWG NO.	DOC-1688257-FPA
DRAWN BY	JTG
DATE	05/24/2022
SHEET DESCRIPTION	SHEET NO.
	13 OF 31

Revisions			
Rev	Description	Date	Approved
2	Added EX-SL Option Details	05/24/22	CBG
3	New option, was 26 pages	9/4/26	SS

▲ US Patent 11,448,003 B2

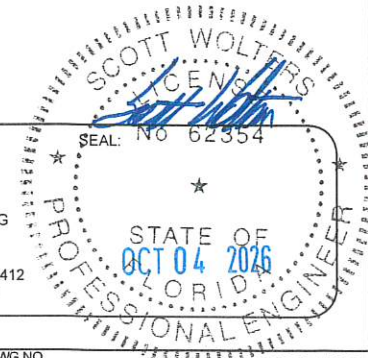
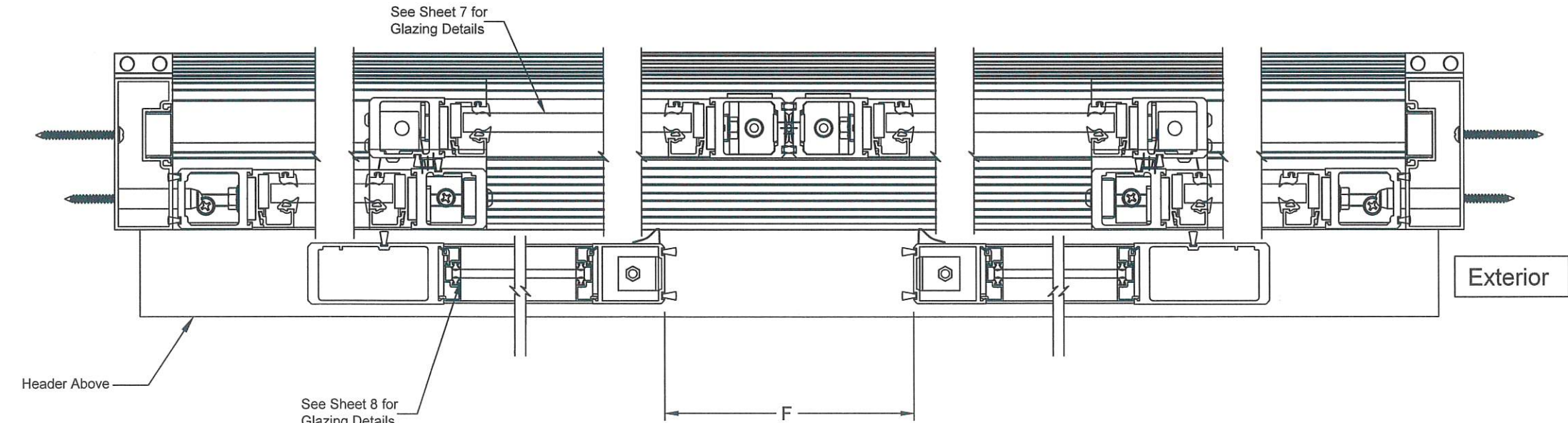
BASE PACKAGE WITH LWI OPTION



	OVERALL FRAME WIDTH (A)	PANEL WIDTH (B)	DLO WIDTH (C)	EX-SL PANEL WIDTH (D)	EX-SL PANEL DLO WIDTH (E)	CLEAR DOOR OPENING (F)
8' OPTION	96" [2438.4]	24 3/4" [628.7]	17 3/4" [450.9]	24 3/4" [628.7]	17 5/8" [447.7]	29 1/2" [749.3]
10' OPTION	120" [3048]	30 3/4" [781.1]	23 3/4" [603.3]	30 3/4" [781.1]	23 5/8" [600.1]	42 1/8" [1070.0]

ARCHITECTURAL INFILL FORMULA: WIDTH: D - 6 5/8" [168.3]
TOP PANEL INFILL HEIGHT: 5 5/16" [134.9]
BOTTOM PANEL INFILL HEIGHT: 24 1/4" [616.0]

MAIN PACKAGE GLASS FORMULA: WIDTH: A/4 - 4 3/4" [120.7]
HEIGHT: OFH - 20 1/2" [520.7]



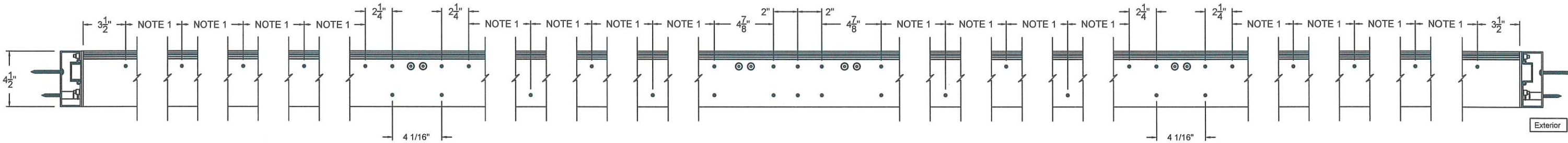
SCOTT WOLTERS
FL PE# 62354

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(COA# 27194)
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WEST PALM BEACH, FL 33412
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DWG NO.	DOC-1688257-FPA
DRAWN BY	JTG
DATE	05/24/2022
SHEET DESCRIPTION	SHEET NO.
	14 OF 31

Revisions			
Rev	Description	Date	Approved
2	Added EX-SL Option Details	05/24/22	CBG
3	New option, was 26 pages	9/4/26	SS

BASE PACKAGE WITH LWI OPTION



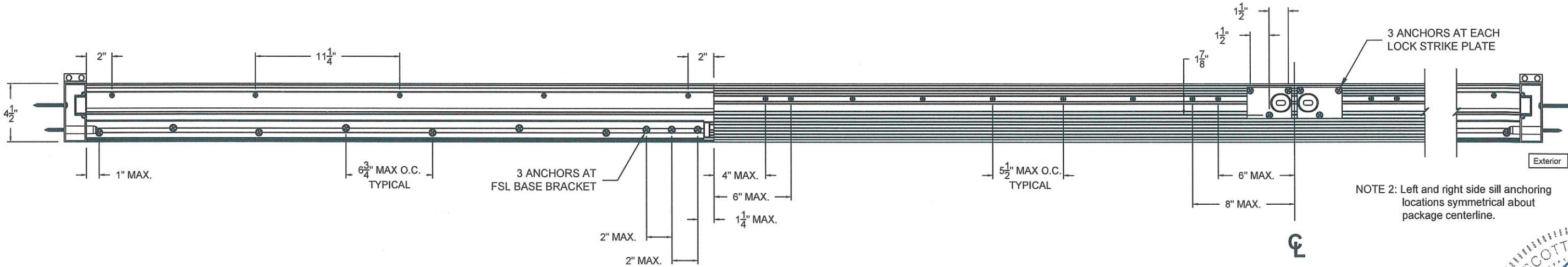
NOTE 1: 10 1/2" Max. O.C.

Anchor cluster at stile overlap

Anchor cluster at meeting stiles

Anchor cluster at stile overlap

BI-PART HEADER ANCHOR LOCATIONS

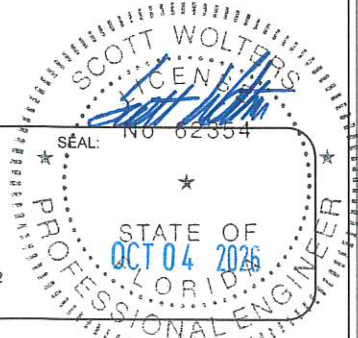


NOTE 2: Left and right side sill anchoring locations symmetrical about package centerline.

BI-PART SILL ANCHOR LOCATIONS

SCOTT WOLTERS
FL PE# 62354

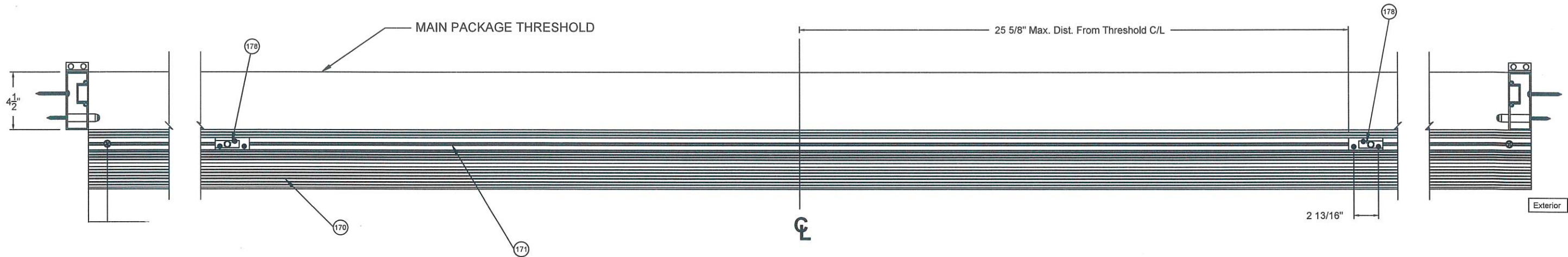
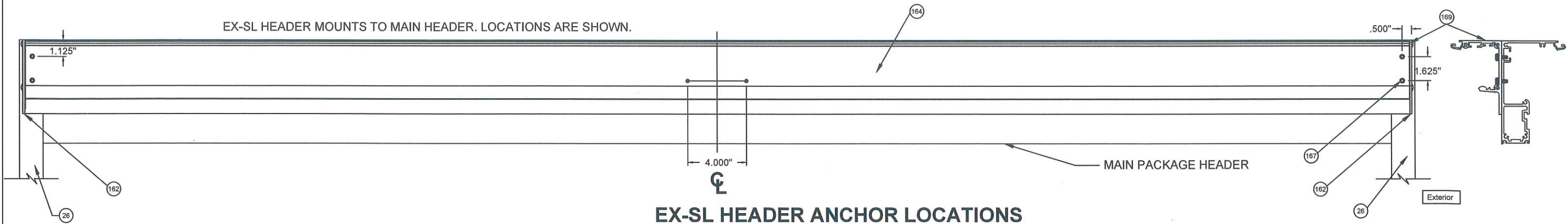
WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
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DWG NO.	DOC-1688257-FPA
DRAWN BY	JTG
DATE	05/24/2022
SHEET DESCRIPTION	SHEET NO.
	15 OF 31

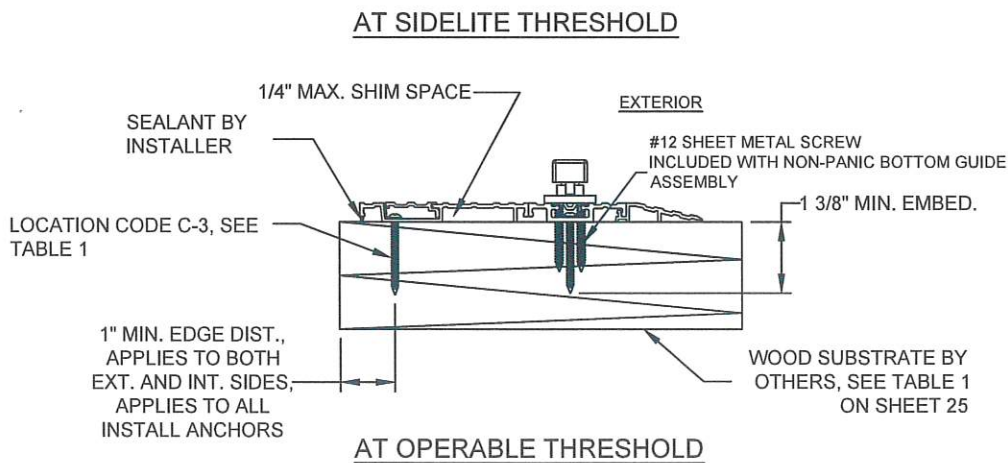
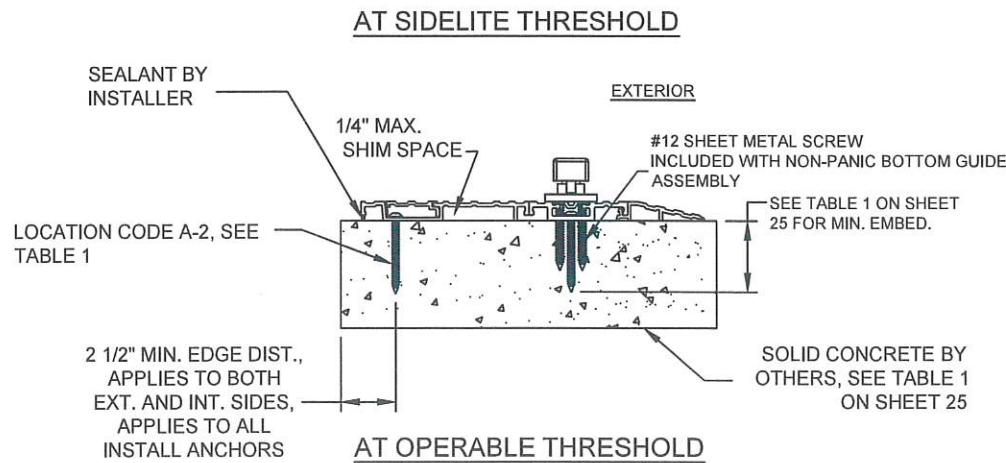
Revisions			
Rev	Description	Date	Approved
2	Added EX-SL Option Details	05/24/22	CBG
3	New option, was 26 pages	9/4/26	SS

BASE PACKAGE WITH LWI OPTION



TYPICAL EX-SL SILL ANCHOR DETAILS IN CONCRETE

TYPICAL EX-SL SILL ANCHOR DETAILS IN WOOD



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FL PE# 62354

WOLTERS ENGINEERING
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PROFESSIONAL ENGINEER

DWG NO. DOC-1688257-FPA

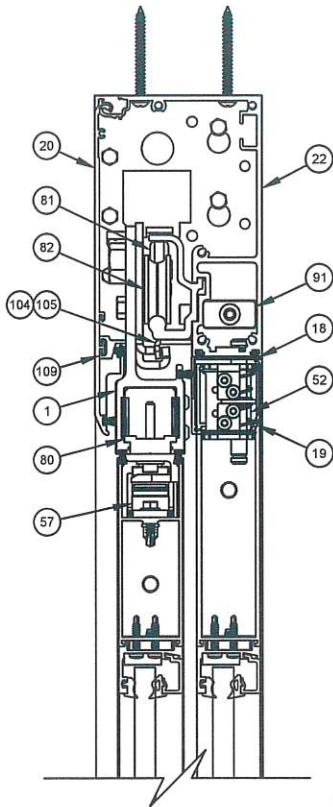
DRAWN BY JTJ DATE 05/24/2022

SHEET DESCRIPTION SHEET NO. 16 OF 31

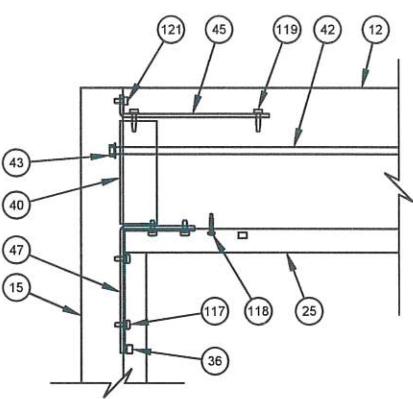
ASSA ABLOY

ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING FIXED SIDELITE
WITH EX OPTION

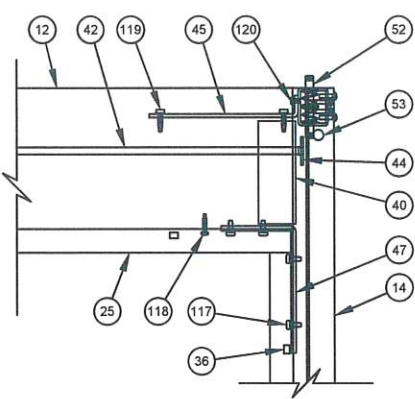
Revisions			
Rev	Description	Date	Approved
2	Added EX-SL Option Details	05/24/22	CBG
3	187 & 188 added, was 26 pages	9/4/26	SS



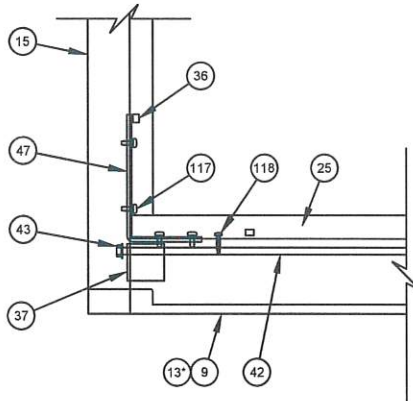
Section A-A



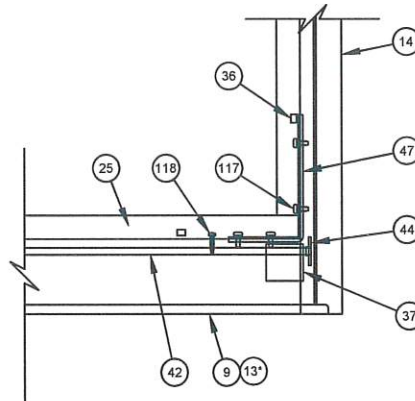
Sidelite
Top Jamb Corner



Sidelite
Top Lead Corner

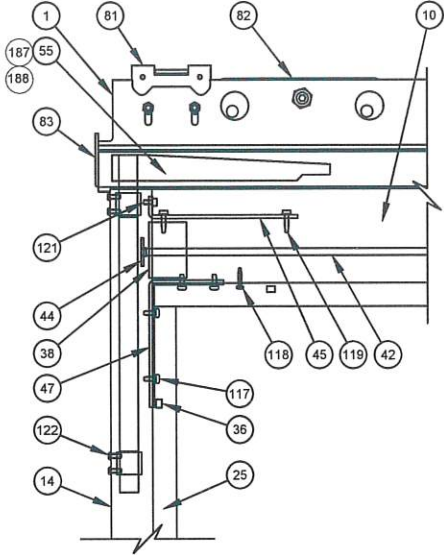


Sidelite
Bottom Jamb Corner

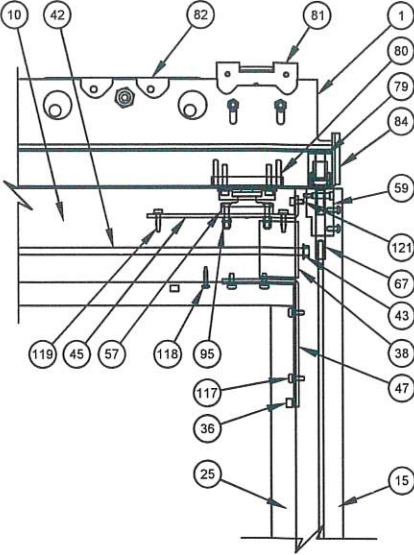


Sidelite
Bottom Lead Corner

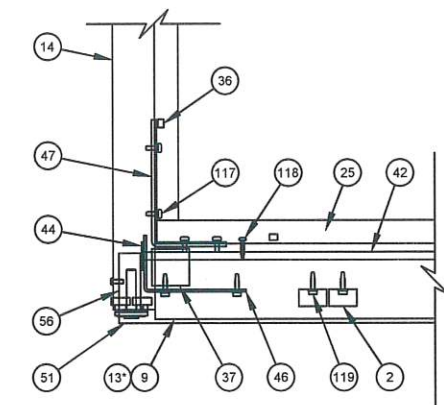
NOTE: * Denotes option for bottom rail size.



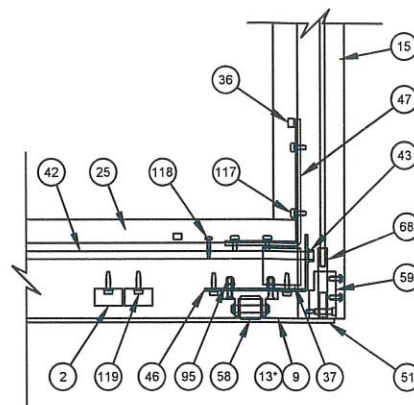
Active Leaf
Top Jamb Corner



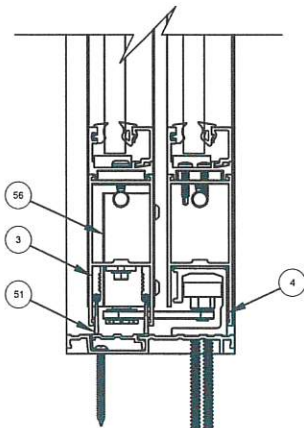
Active Leaf
Top Lead Corner



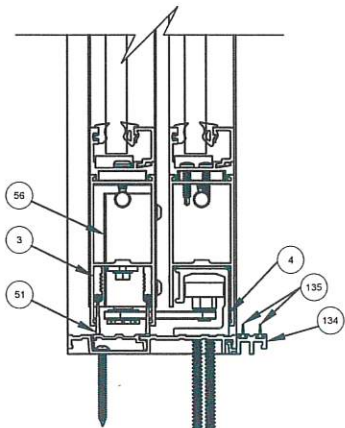
Active Leaf
Bottom Jamb Corner



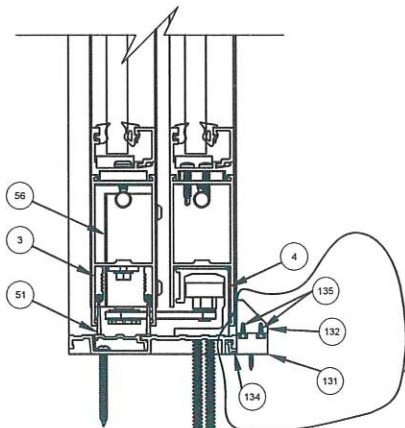
Active Leaf
Bottom Lead Corner



Section B-B
BASE PACKAGE



Section B-B
BASE PACKAGE WITH LWI OPTION



Section H-H
BASE PACKAGE WITH LWI OPTION

Parts included with
LWI Option

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FL PE# 62354

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

SEAL:

NO 62354

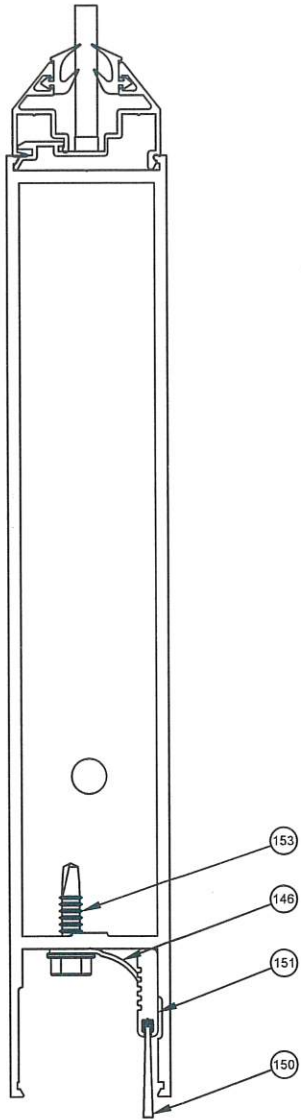
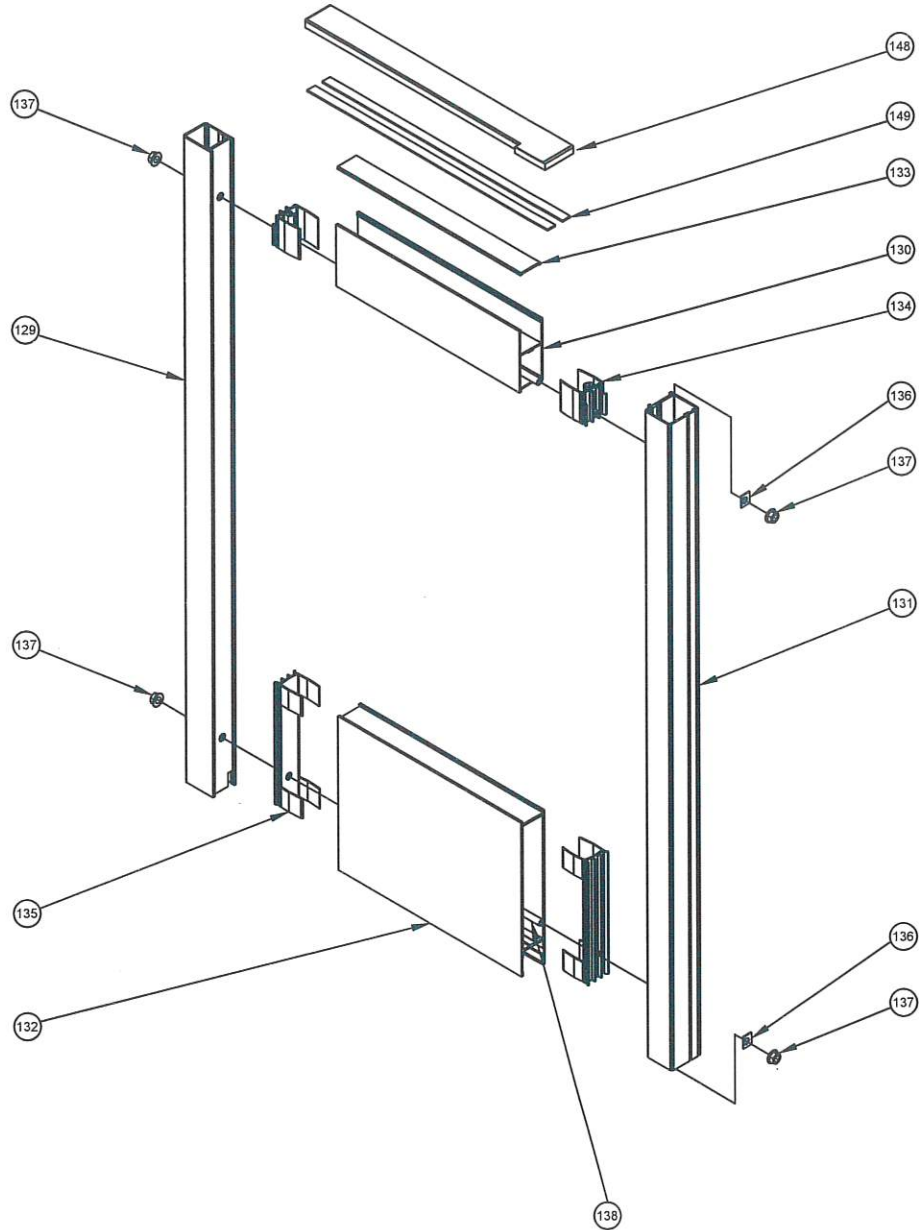
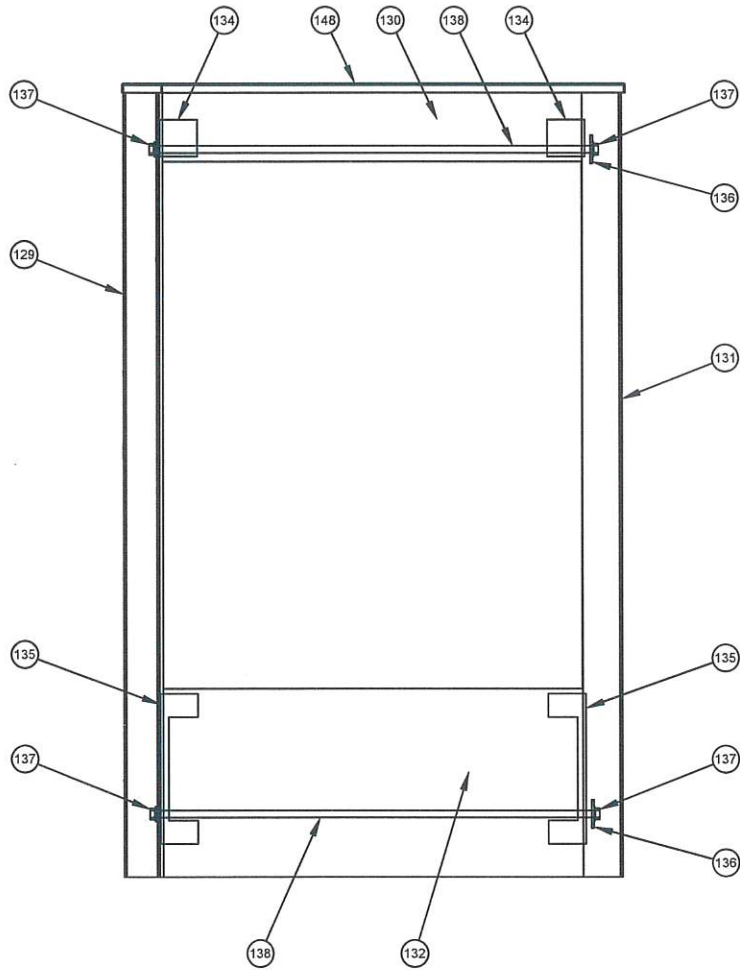
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FLORIDA

PROFESSIONAL ENGINEER

DWG NO.	DOC-1688257-FPA
DRAWN BY	JTG
DATE	05/24/2022
SHEET DESCRIPTION	SHEET NO. 17 OF 31

Revisions			
Rev	Description	Date	Approved
2	Added EX-SL Option Details	05/24/22	CBG
3	Was 26 pages	9/4/26	SS

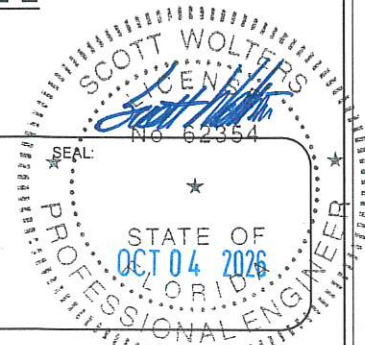


Section E-E

EXTERIOR, LEFT HAND
EX-SW OPTION DOOR SHOWN

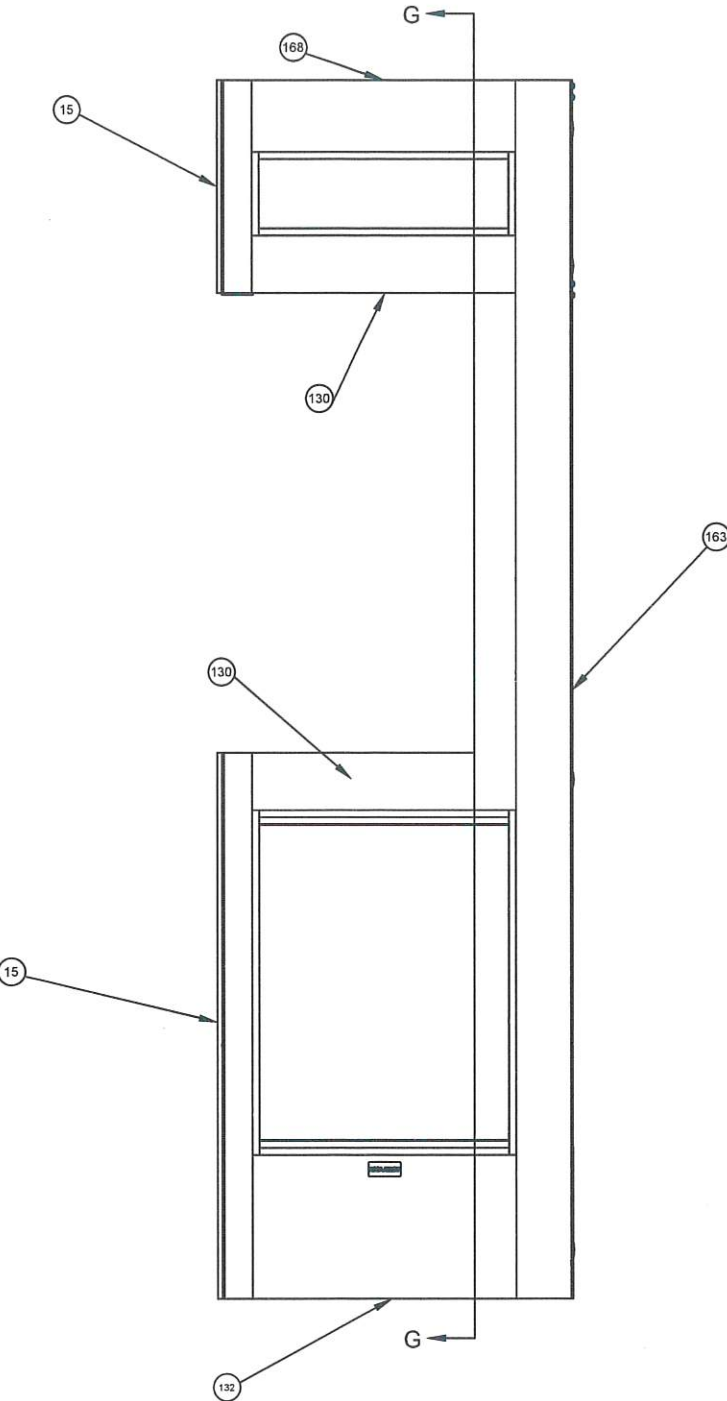
SCOTT WOLTERS
FL PE# 62354

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

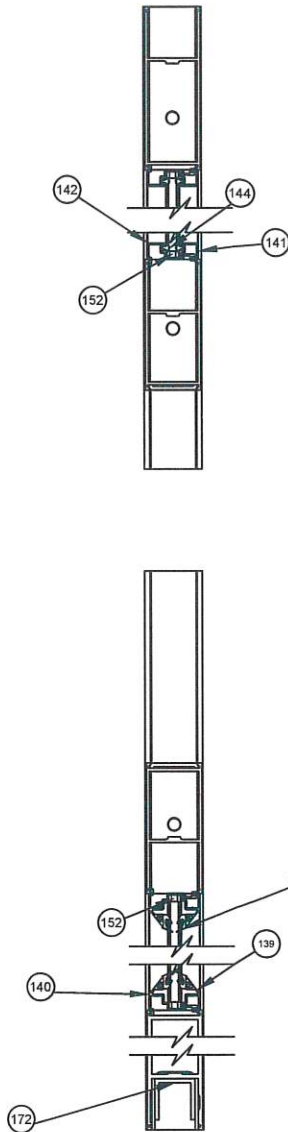
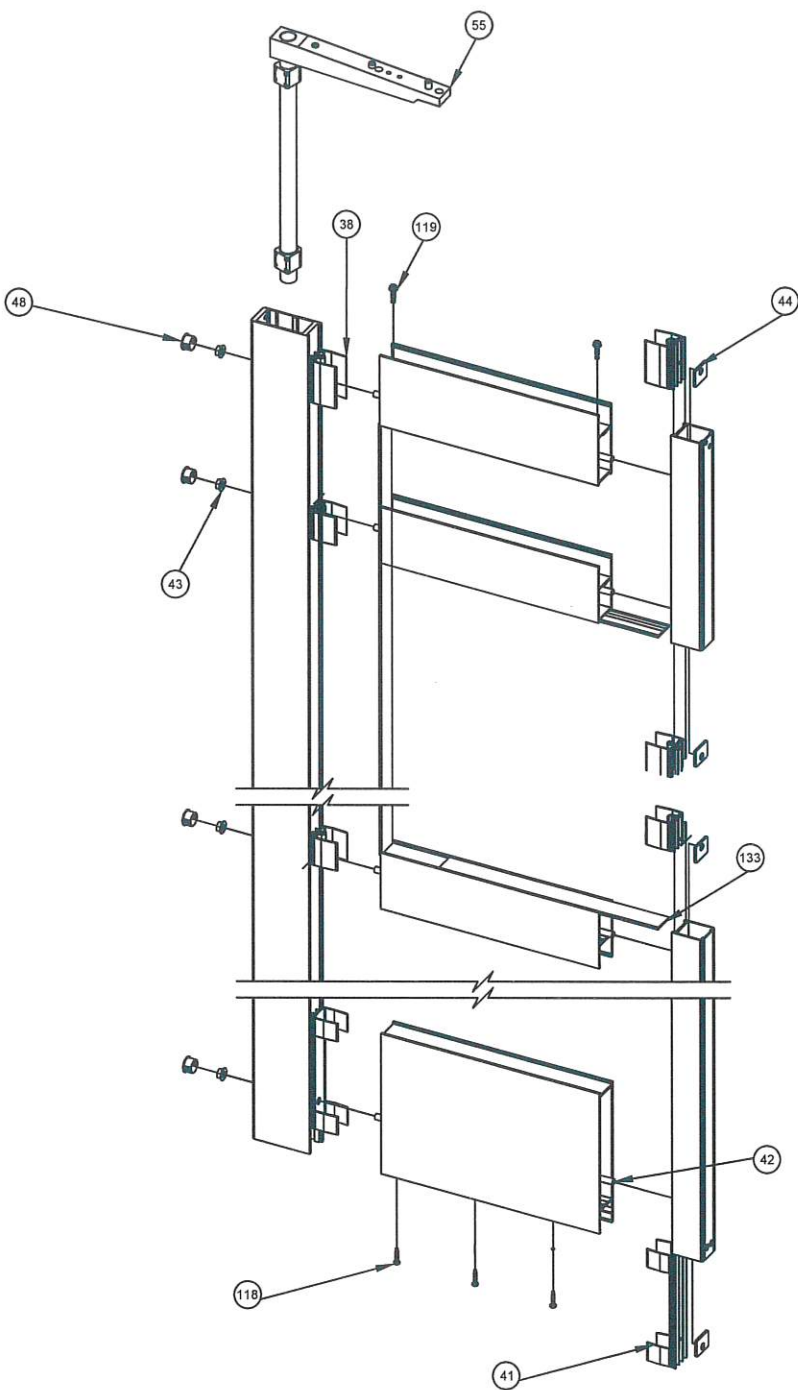


DWG NO.	DOC-1688257-FPA
DRAWN BY	JTG
DATE	05/24/2022
SHEET DESCRIPTION	SHEET NO. 18 OF 31

Revisions			
Rev	Description	Date	Approved
2	Added EX-SL Option Details	05/24/22	CBG
3	Was 26 pages	9/4/26	SS



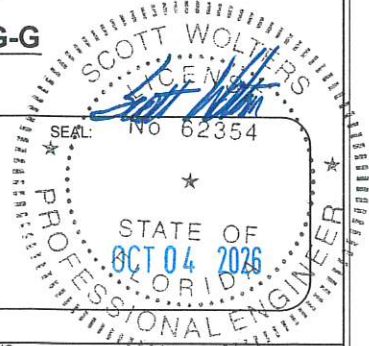
EXTERIOR, RIGHT HAND
EX-SL OPTION DOOR SHOWN



Section G-G

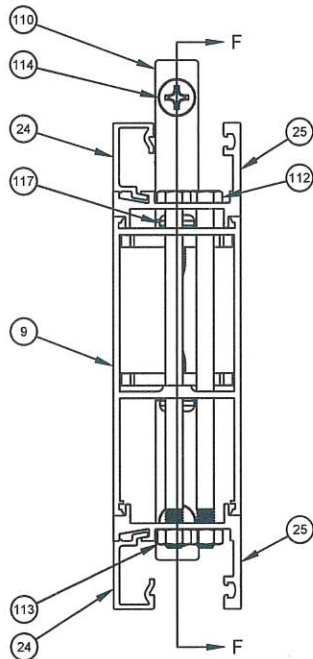
SCOTT WOLTERS
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WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982

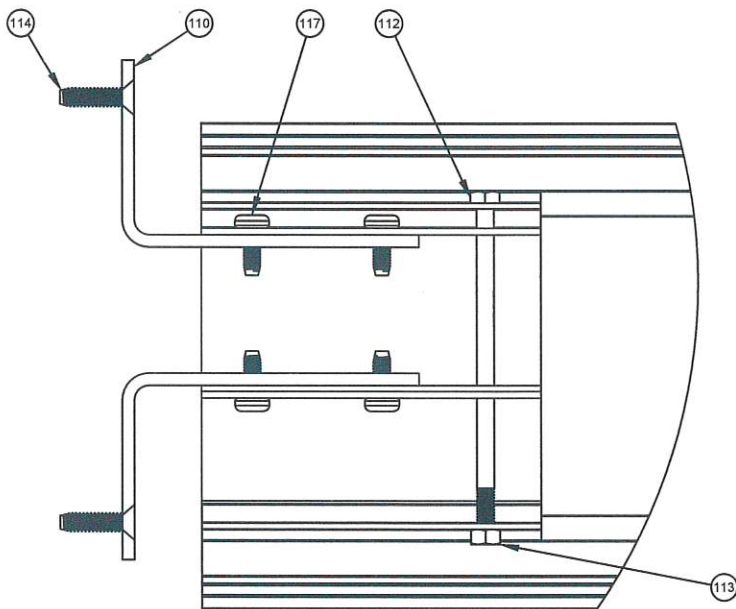


DWG NO. DOC-1688257-FPA	
DRAWN BY JTG	DATE 05/24/2022
SHEET DESCRIPTION	SHEET NO. 19 OF 31
ASSA ABLOY	

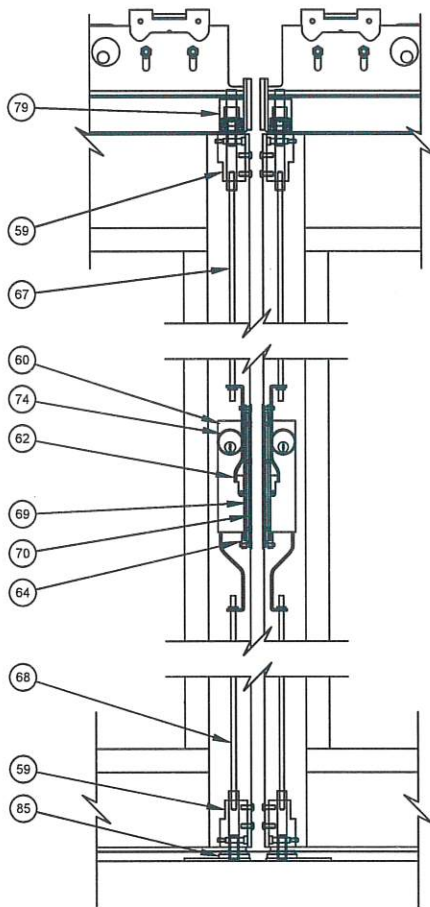
Revisions			
Rev	Description	Date	Approved
2	Added EX-SL Option Details	05/24/22	CBG
3	Was 26 pages	9/4/26	SS



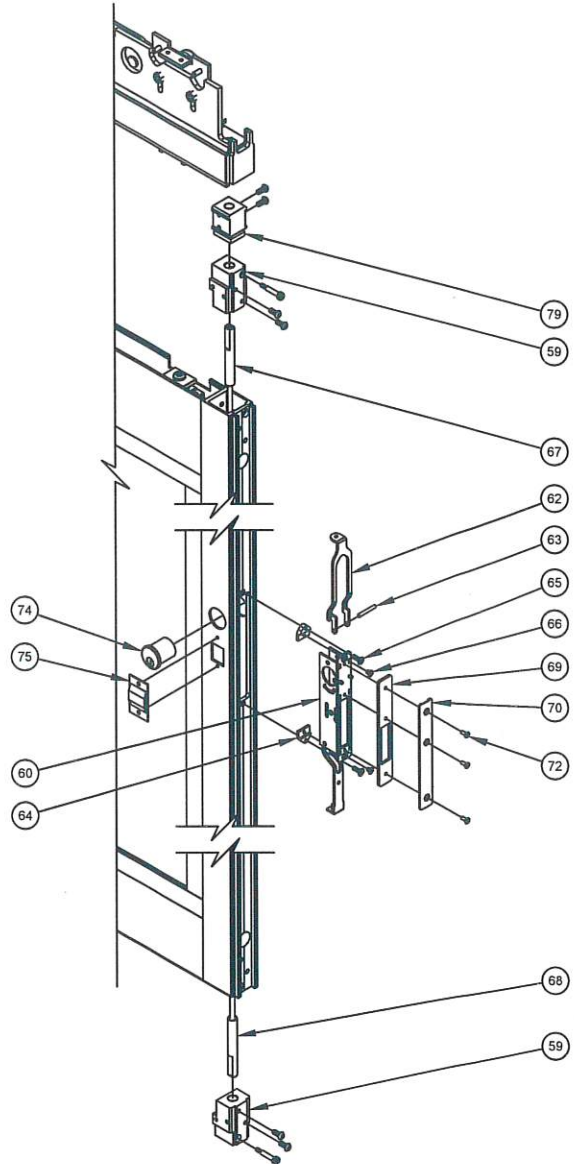
Section D-D
True Divided 4" Muntin



Section F-F
True Divided 4" Muntin



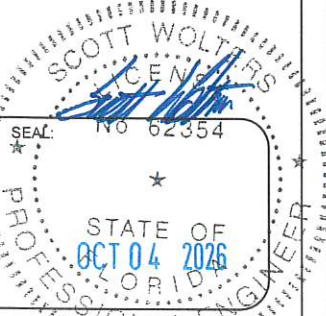
Bi-Part
4-Point Lock



Locking System

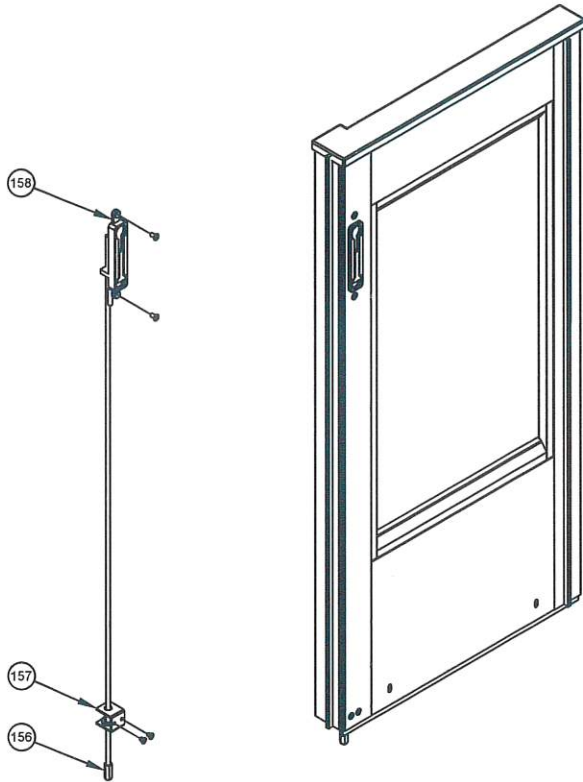
SCOTT WOLTERS
FL PE# 62354

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

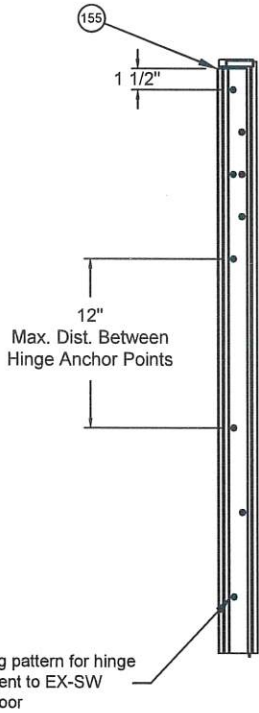


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DRAWN BY	JTG
DATE	05/24/2022
SHEET DESCRIPTION	SHEET NO. 20 OF 31

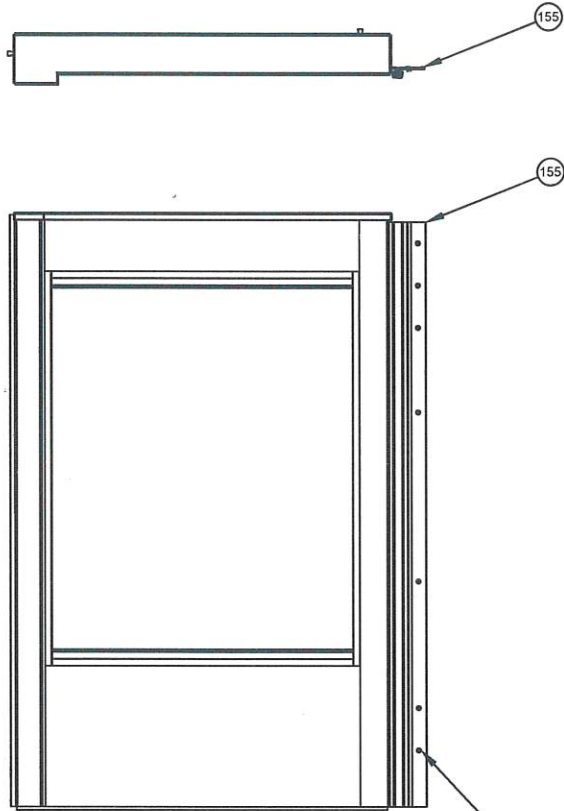
Revisions			
Rev	Description	Date	Approved
2	Added EX-SL Option Details	05/24/22	CBG
3	Was 26 pages	9/4/26	SS



INTERIOR, LEFT HAND
EX-SW OPTION DOOR SHOWN

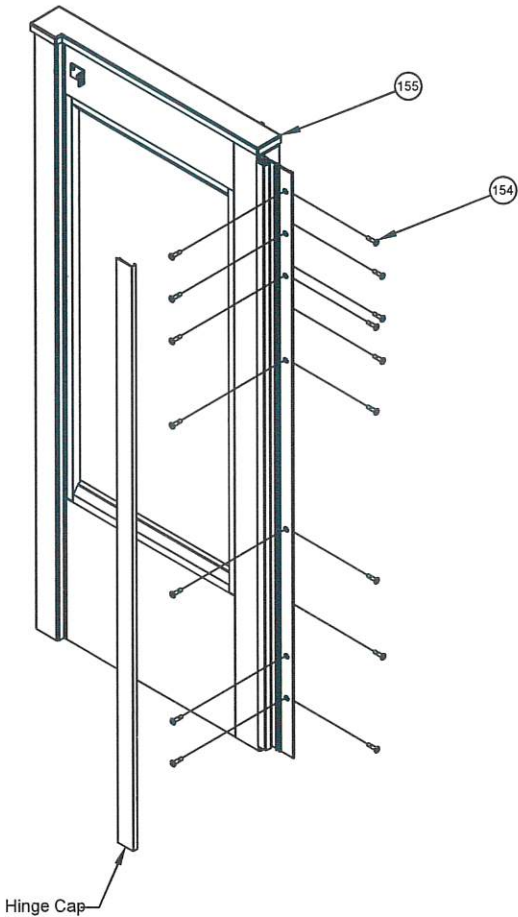


Mounting pattern for hinge
attachment to EX-SW
option door



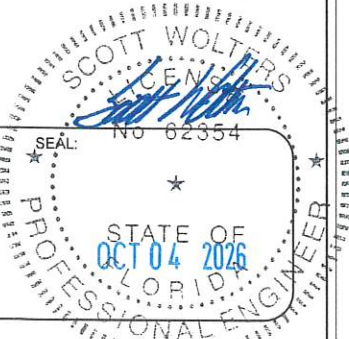
EXTERIOR, RIGHT HAND
EX-SW OPTION DOOR SHOWN

Mounting pattern for hinge
attachment to Sidelite



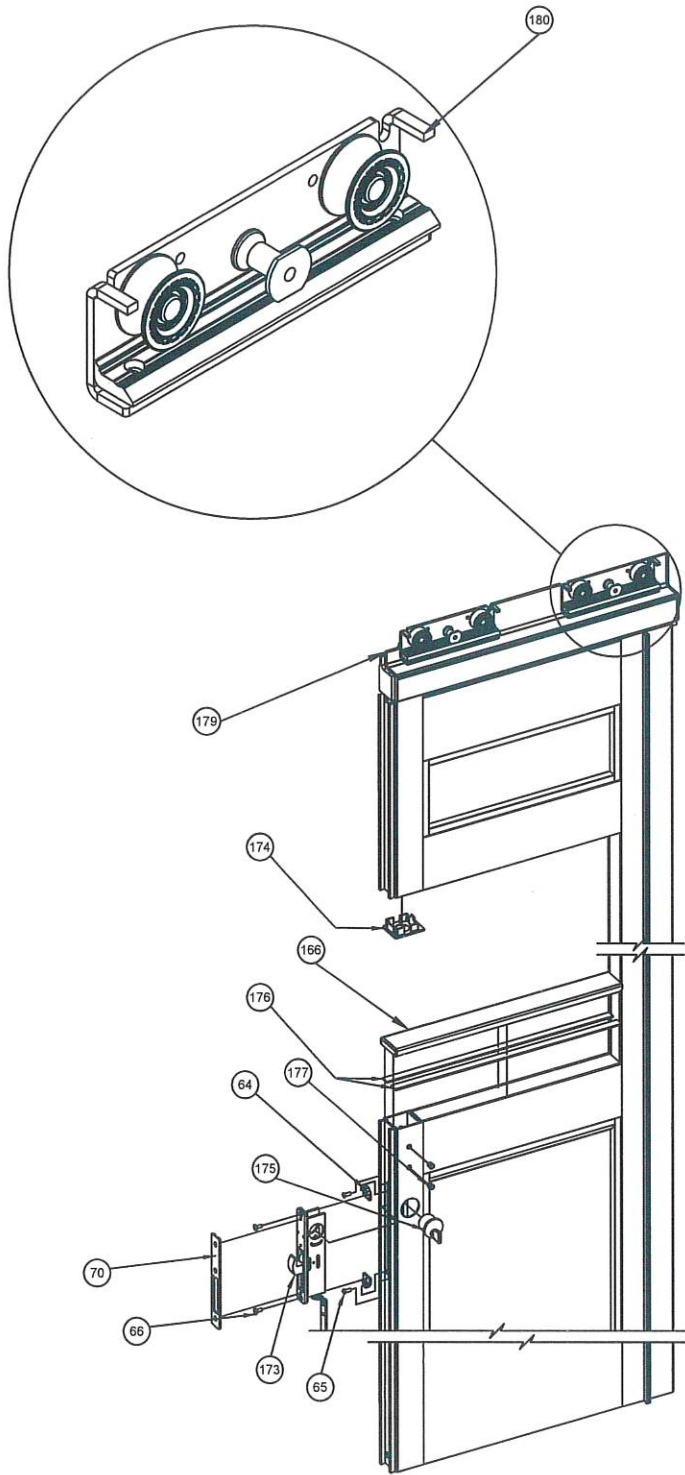
SCOTT WOLTERS
FL PE# 62354

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

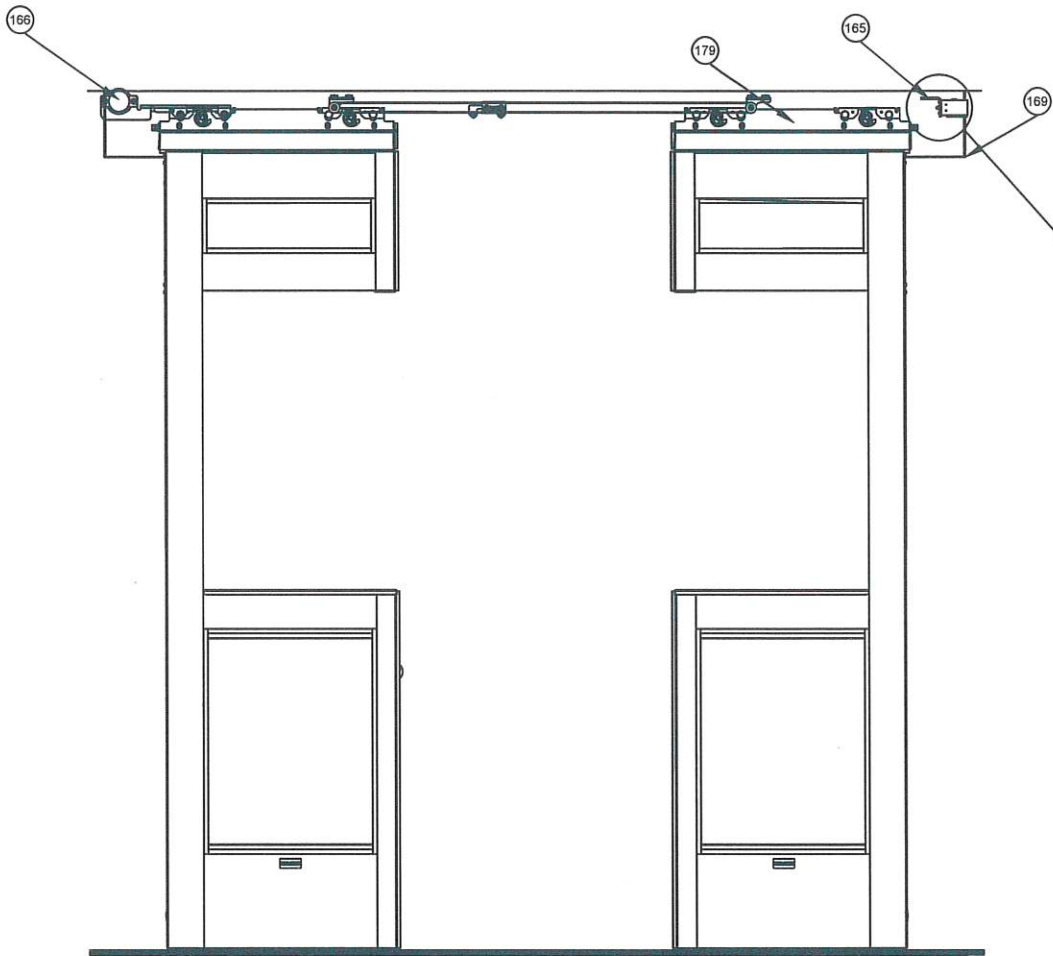


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DRAWN BY	JTG
DATE	05/24/2022
SHEET DESCRIPTION	SHEET NO.
	21 OF 31

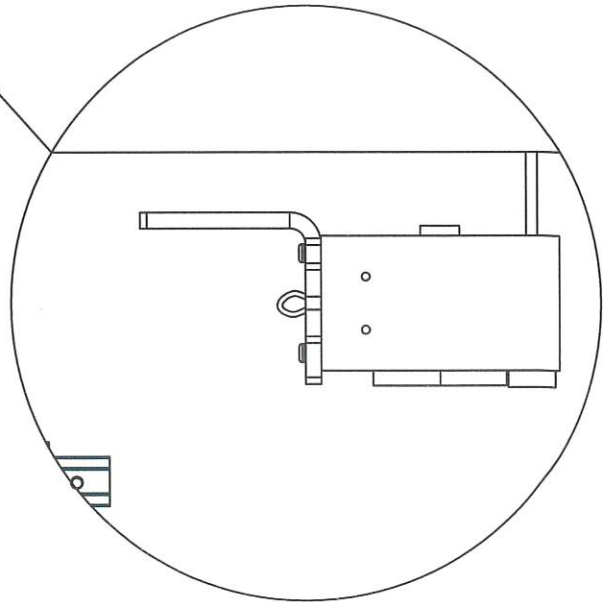
Revisions			
Rev	Description	Date	Approved
2	Added EX-SL Option Details	05/24/22	CBG
3	Was 26 pages	9/4/26	SS



INTERIOR, LEFT HAND
EX-SL OPTION DOOR SHOWN



EXTERIOR EX-SL OPTION DOORS SHOWN



SPRING OPENER TO
AUTOMATICALLY OPEN
DOOR ONCE UNLOCKED

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FL PE# 62354

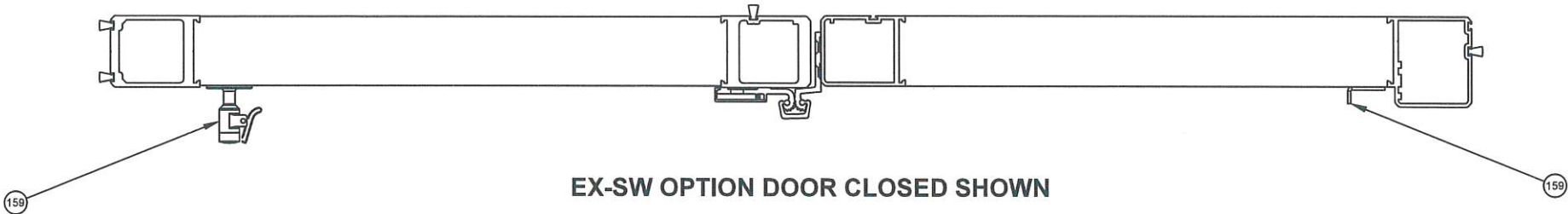
WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982

SEAL: NO 62354

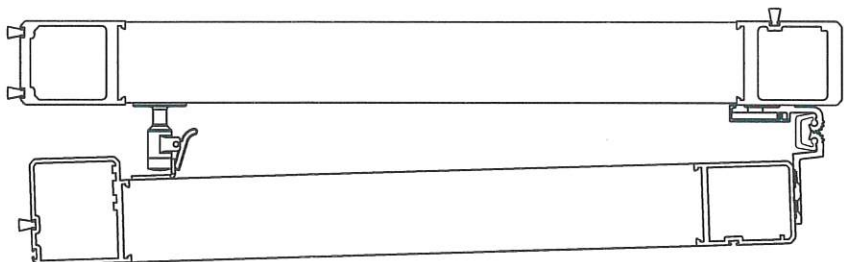
STATE OF
FLORIDA

DWG NO.	DOC-1688257-FPA
DRAWN BY	JTG
DATE	05/24/2022
SHEET DESCRIPTION	SHEET NO. 22 OF 31

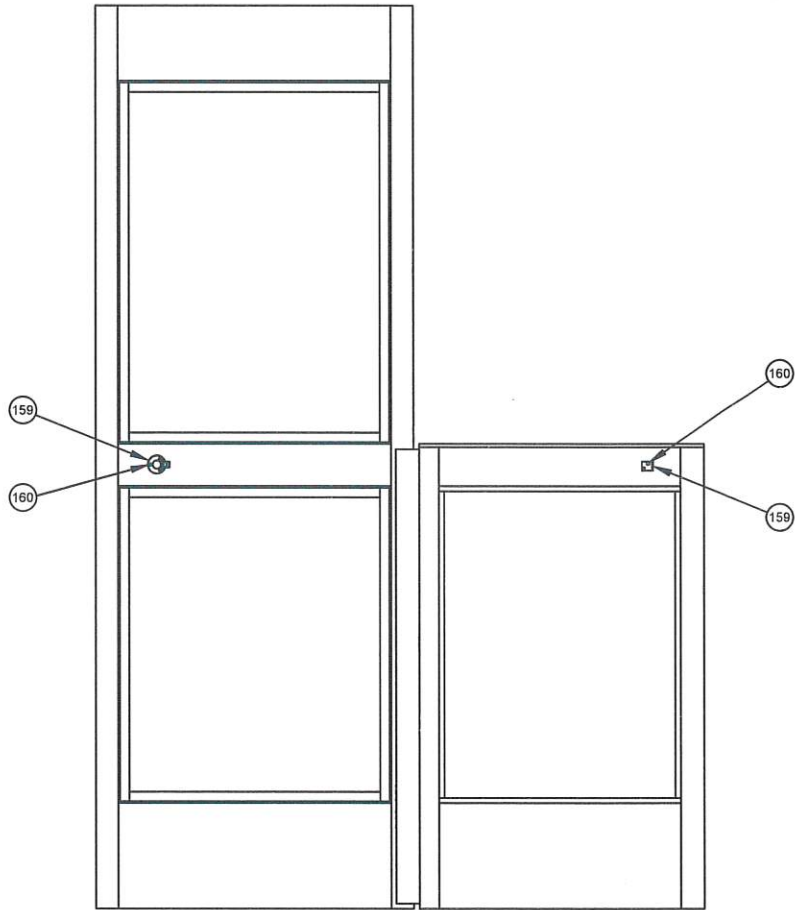
Revisions			
Rev	Description	Date	Approved
2	Added EX-SL Option Details	05/24/22	CBG
3	Was 26 pages	9/4/26	SS



EX-SW OPTION DOOR CLOSED SHOWN



EX-SW OPTION DOOR OPEN SHOWN

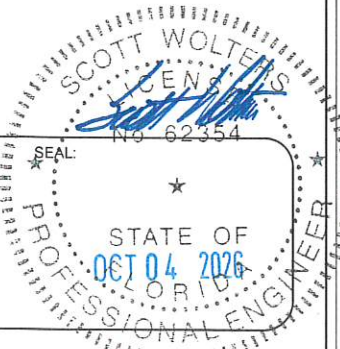


EXTERIOR, LEFT HAND
SIDELITE WITH ATTACHED EX-SW OPTION DOOR
PANEL

SCOTT WOLTERS
FL PE# 62354

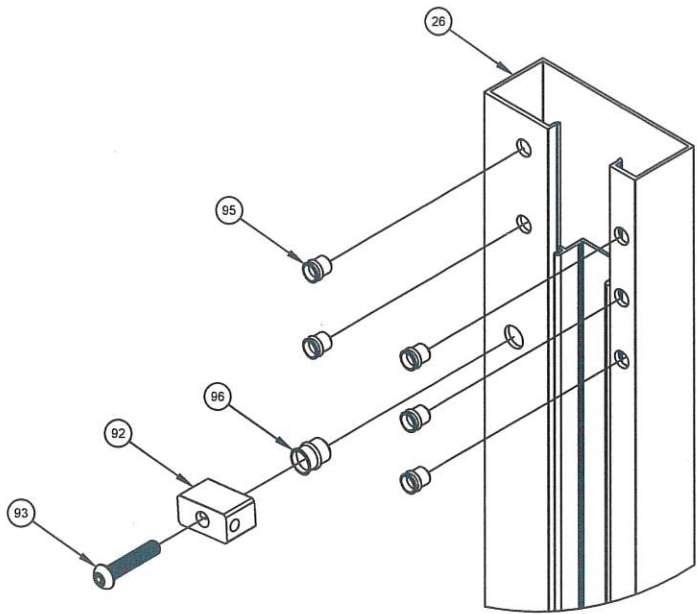
WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
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SEAL:

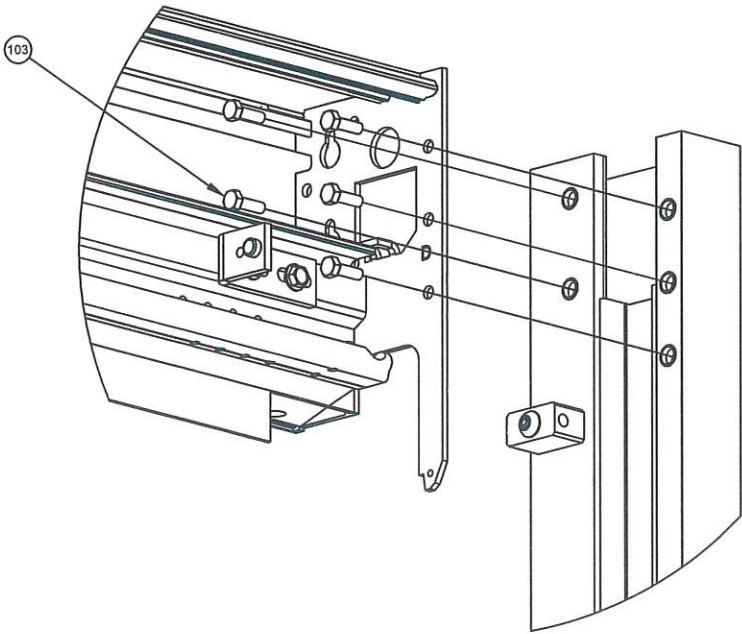


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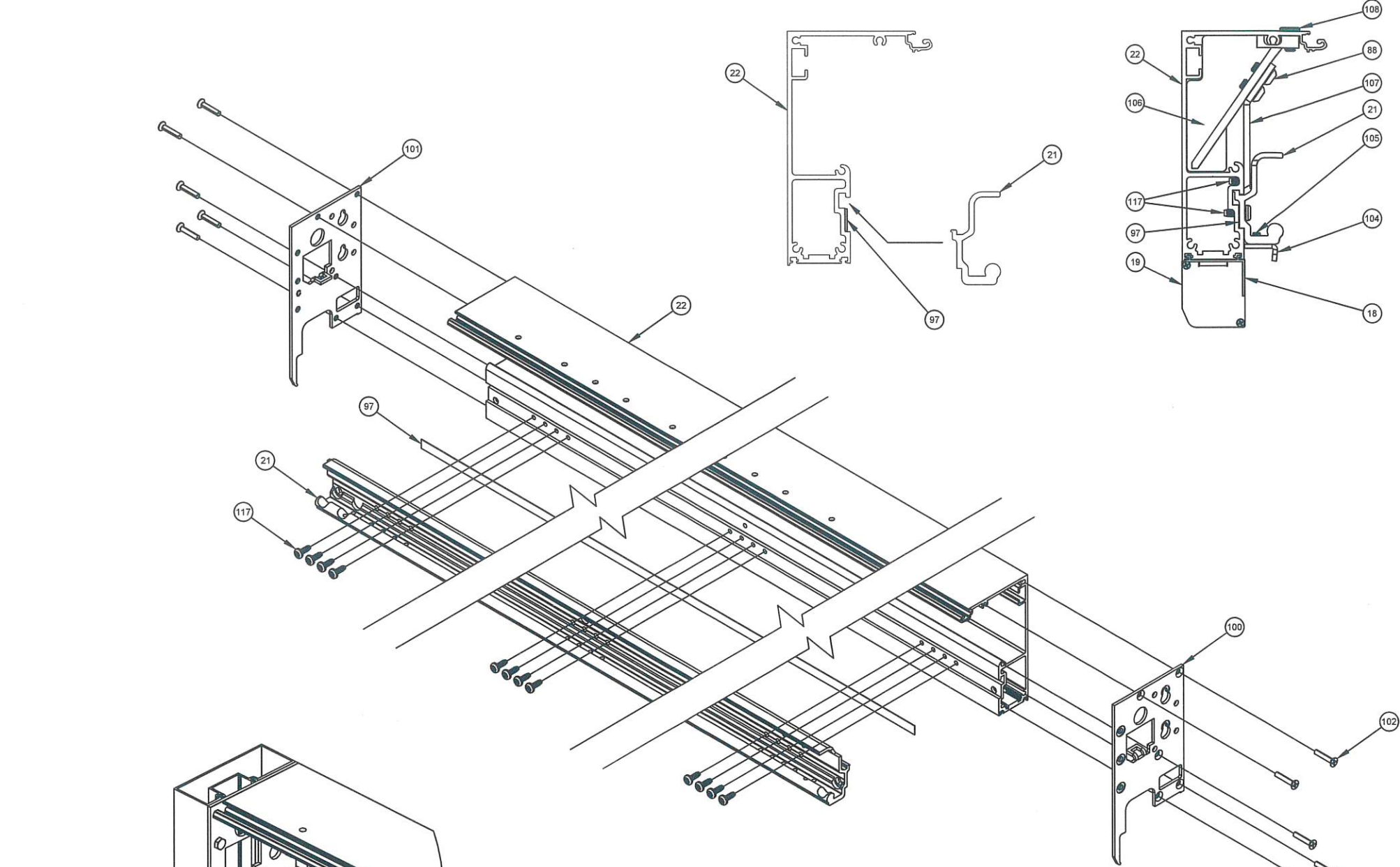
Revisions			
Rev	Description	Date	Approved
2	Added EX-SL Option Details	05/24/22	CBG
3	Was 26 pages	9/4/26	SS



JAMB ASSEMBLY



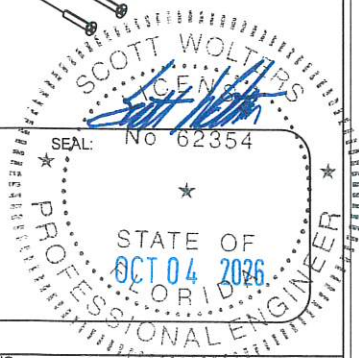
TYPICAL BEAM TO JAMB



TYPICAL TRACK TO BEAM

SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
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MONROE, NC 28110
PHONE: 1-866-237-2687

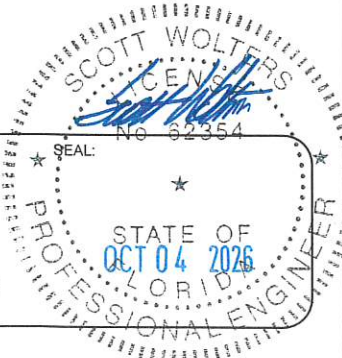
ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING FIXED SIDELITE
WITH EX OPTION

Revisions			
Rev	Description	Date	Approved
2	Added EX-SL Option Details	05/24/22	CBG
3	Updated table, was 26 pages	9/4/26	SS

TABLE 1: INSTALLATION ANCHOR REQUIREMENTS							
LOCATION CODE	SUBSTRATE TYPE	GREATER THAN 3000 FEET FROM COASTAL SHORELINE			LESS THAN 3000 FEET FROM COASTAL SHORELINE		
		ANCHOR TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE	ANCHOR TYPE LESS THAN 3000 FEET FROM COASTAL SHORELINE	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE
A-1	Concrete (2.85 ksi MIN)	1/4" DIA. ELCO ULTRACON (TYPICALLY)	1 3/4"	2 1/2"	1/4" DIA. SIMPSON TITEN TURBO 316SS	2 1/2"	2 1/2"
A-2		3/16" DIA. ELCO ULTRACON (AT THRESHOLD ONLY)	1 3/4"	2 1/2"	1/4" DIA. SIMPSON TITEN TURBO 316SS	2 1/2"	2 1/2"
B	HOLLOW OR GROUT FILLED CMU (ASTM C90 MIN) (JAMBS ONLY)	1/4" DIA. ELCO ULTRACON	1 3/4"	2 1/2"	1/4" DIA. SIMPSON TITEN TURBO 316SS	2 1/2"	2 1/2"
C-1	2X P.T. WOOD (S.G.=0.55, MIN)	#14 GR. 5 WOOD SCREW (TYPICALLY)	1 3/8"	1"	#14 316 SS WOOD SCREW* (PLATES, STRIKES, & PIVOTS)	1 3/8"	1"
C-2		#14 GR. 5 WOOD SCREW (TYPICALLY)	1 3/8"	1"	#14 316 SS WOOD SCREW* (JAMBS & HEADER)	1 3/8"	1"
C-3		#10 GR. 5 WOOD SCREW (AT THRESHOLD ONLY)	1 3/8"	1"	#10 316 SS WOOD SCREWS* (AT THRESHOLD UNDER SIDELITE ONLY)	1 3/8"	1"
C-4		#10 GR. 5 WOOD SCREW (AT THRESHOLD ONLY)	1 3/8"	1"	#10 316 SS WOOD SCREWS* (AT THRESHOLD)	1 3/8"	1"
D	STEEL STUD (16Ga, 45 ksi MIN)	1/4" DIA. ITW TEKS SELF-DRILLING SCREW	FULL**	1/2"	1/4" DIA. DEWALT BI-FLEX SELF-DRILLING SCREW	FULL**	1/2"
E	1/8" ALUMINUM (6063-T5 MIN)	1/4" DIA. ITW TEKS SELF-DRILLING SCREW	FULL**	1/2"	1/4" DIA. DEWALT BI-FLEX SELF-DRILLING SCREW	FULL**	1/2"
** FULLY PENETRATES METAL WITH 3 THREADS BEYOND							
*ALL SS FASTENERS MUST MEET F _{ut} ≥ 100 KSI							

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FL PE# 62354

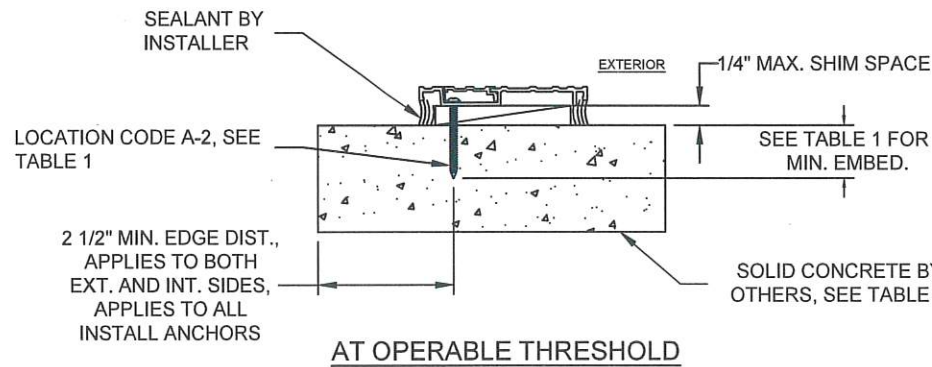
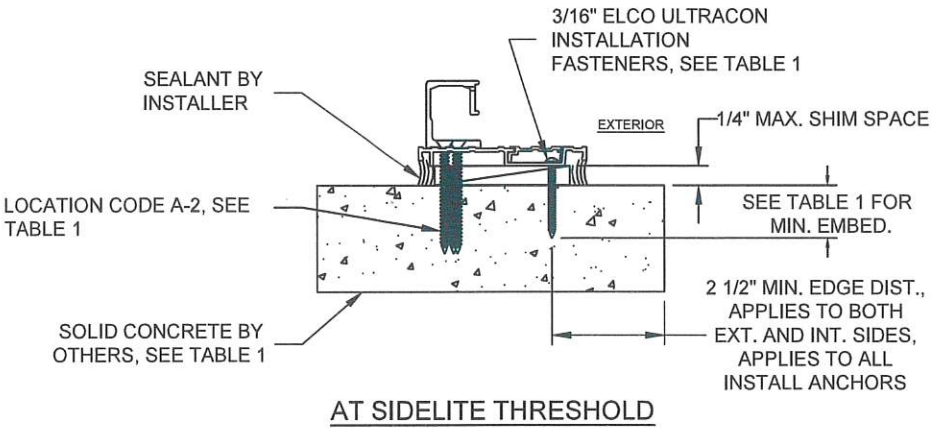
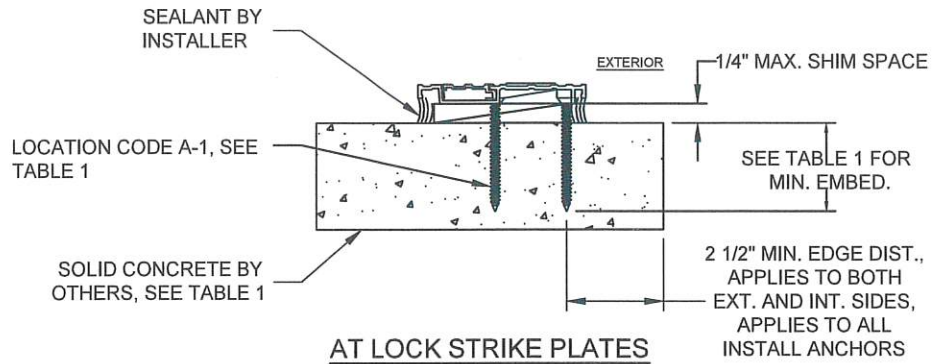
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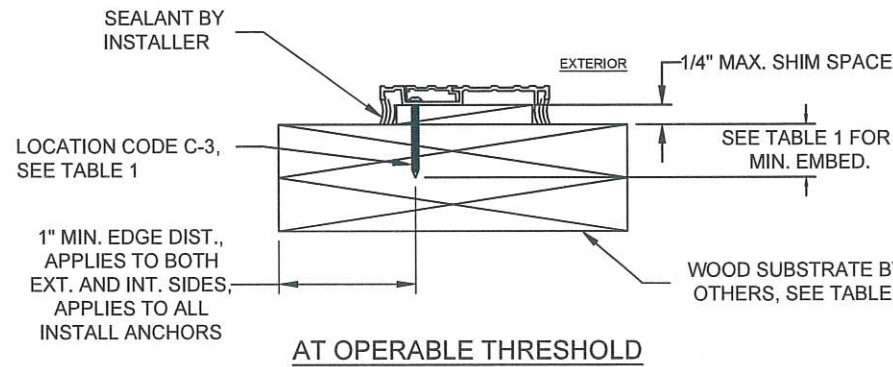
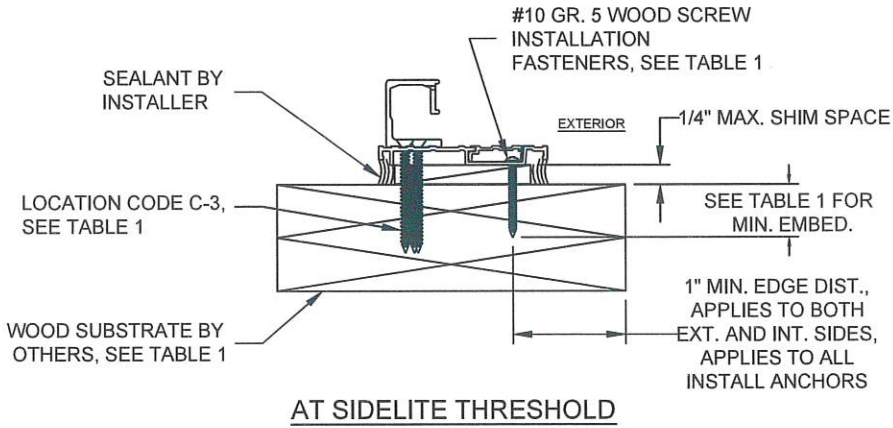
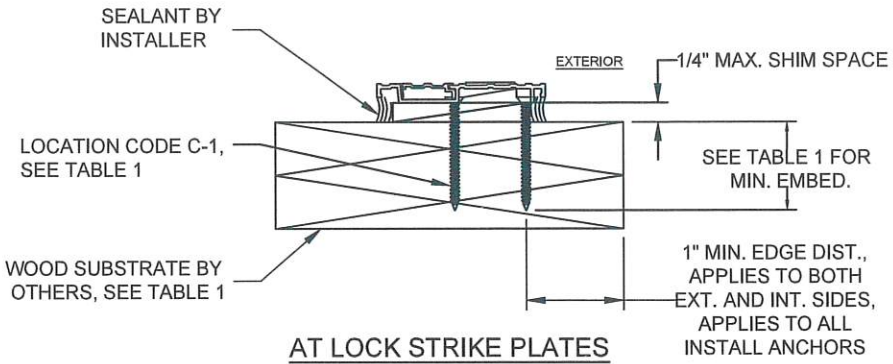
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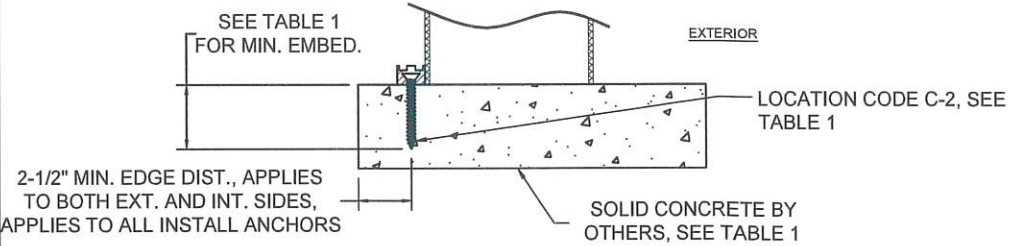
SILL ANCHOR DETAILS IN CONCRETE



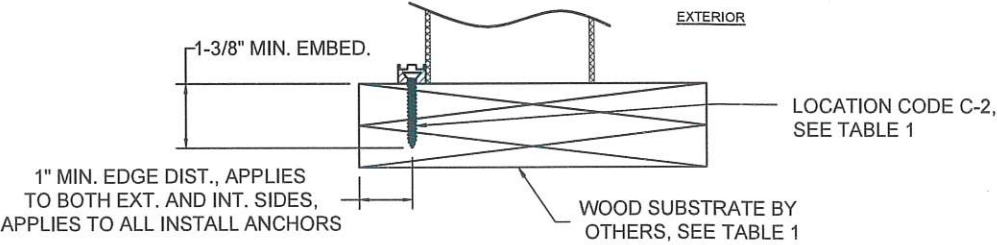
SILL ANCHOR DETAILS IN WOOD



SEALING FLOOR PLATE DETAILS IN CONCRETE



SEALING FLOOR PLATE DETAILS IN WOOD



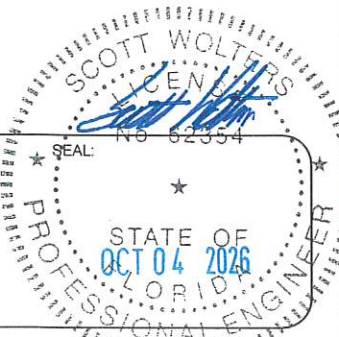
GENERAL ANCHOR NOTES:

1. INSTALL ANCHORS AS INDICATED IN DETAILS ON SHEETS 2 THRU 16.
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 2, 3, 4, & 5), AND 6" MIN. ON-CENTER ELSEWHERE AT CMU JAMBS. FOR ALL OTHER ANCHOR/SUBSTRATE TYPES (SEE TABLE 1) ENSURE 1 1/2" MIN. ON-CENTER SPACING BETWEEN ANY TWO INSTALLATION ANCHORS.
6. ANCHORS ARE FLATHEAD AT ALL PLATE/STRIKE LOCATIONS AND ROUND/PAN/HEX-WASHER HEAD ELSEWHERE.
7. CONCRETE ANCHORS THAT PENETRATE THE THRESHOLD ONLY ARE 3/16" DIA. ELCO ULTRACONS OR 1/4" DIA. SIMPSON TITEN TURBO 316SS. ANCHORS THAT PENETRATE DOOR HARDWARE OR STRIKE PLATES ARE 1/4" DIA. ELCO ULTRACONS OR 1/4" DIA. SIMPSON TITEN TURBO 316SS.

Revisions			
Rev	Description	Date	Approved
2	Added EX-SL Option Details	05/24/22	CBG
3	Notes updated, sealing floor plate details added, was 26 pages	9/4/26	SS

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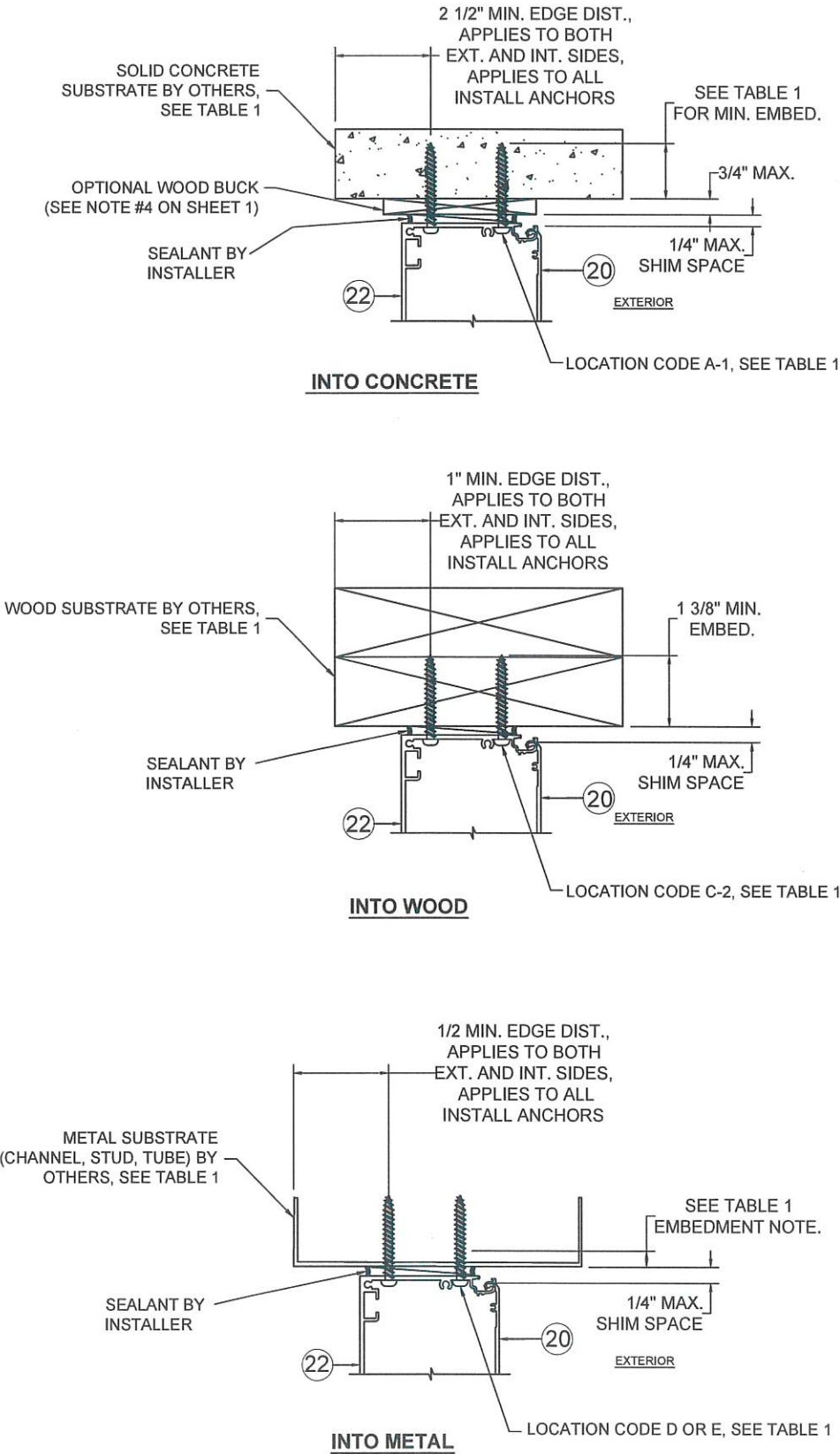
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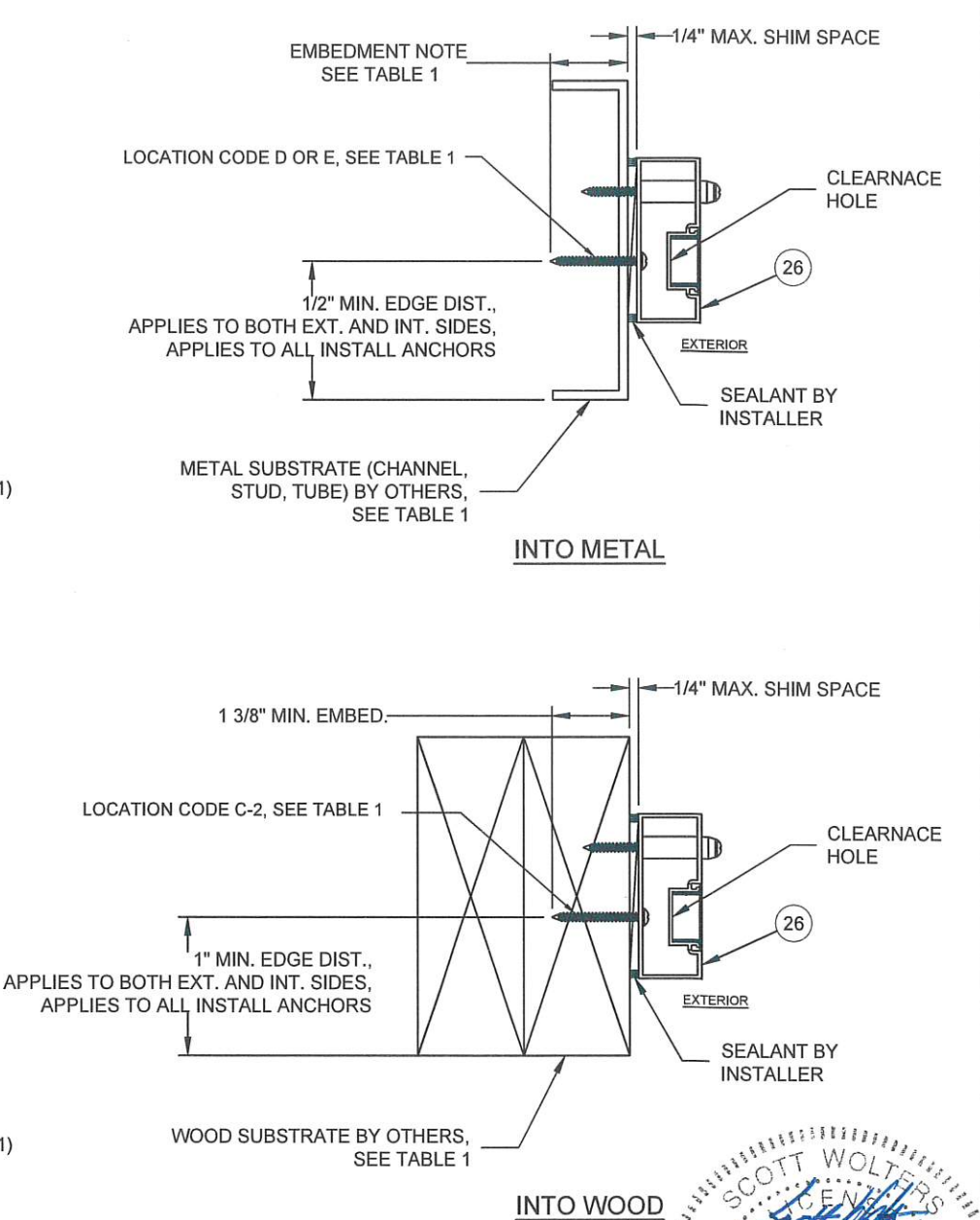
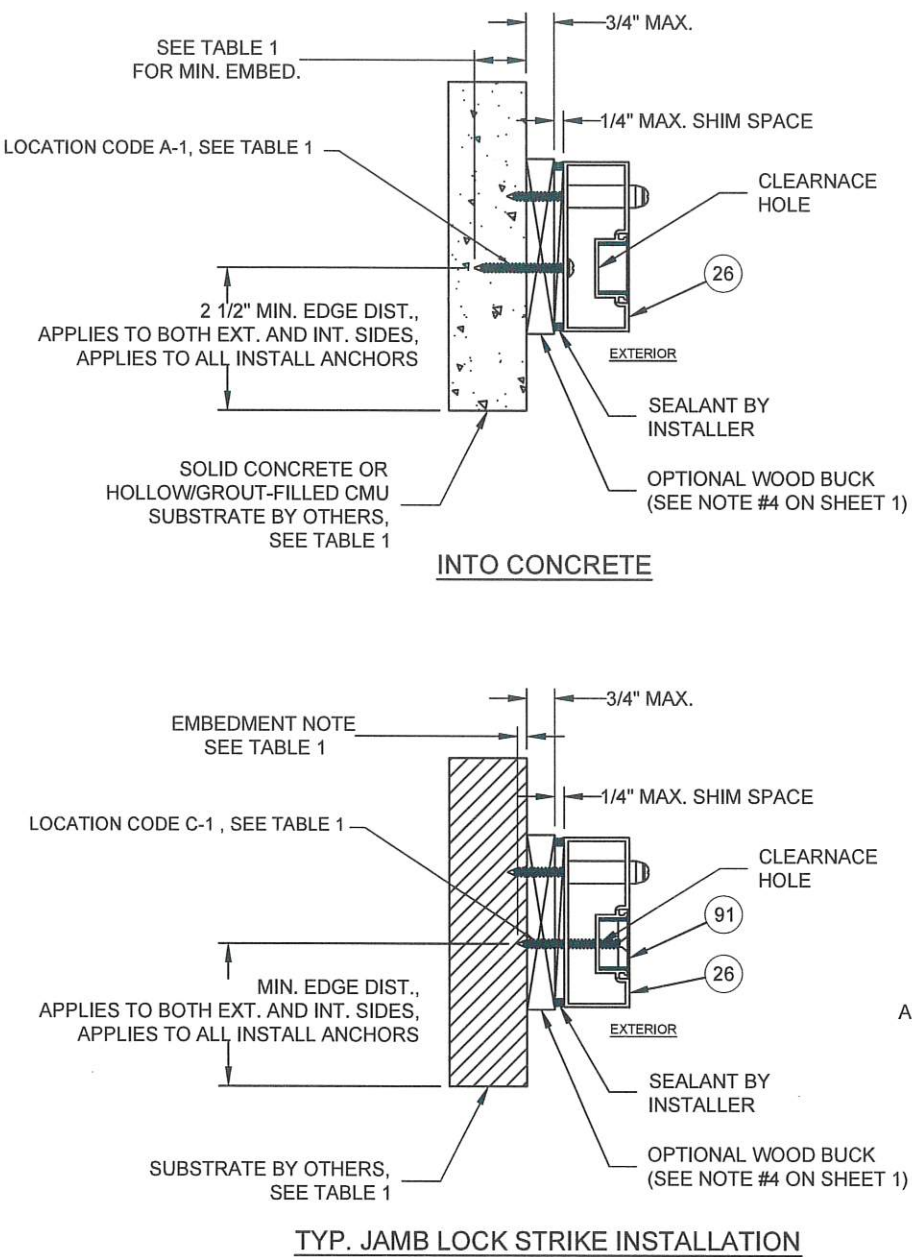
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HEAD ANCHOR DETAILS



JAMB ANCHOR DETAILS



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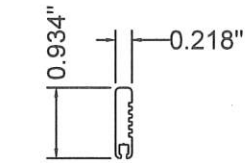
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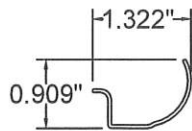
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Revisions			
Rev	Description	Date	Approved
2	Added EX-SL Option Details	05/24/22	CBG
3	184 & 186 added, was 26 pages	9/4/26	SS

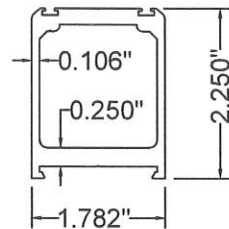
▲ US Patent 11,448,003 B2



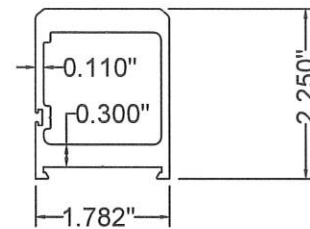
③ Sweep Housing
6063-T5



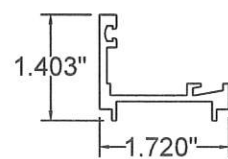
② Sweep Clip
6063-T5



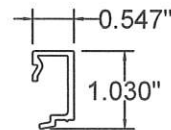
▲ ⑮ V1N
6063-T5



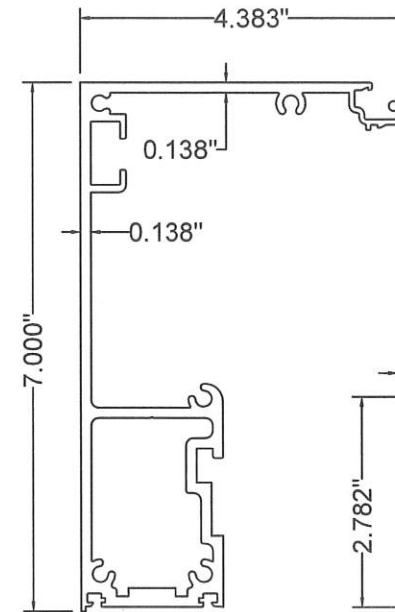
▲ ⑭ V2N
6063-T5



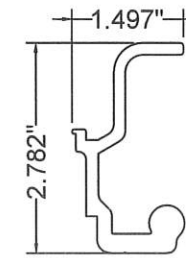
⑮ Gutter
6063-T5



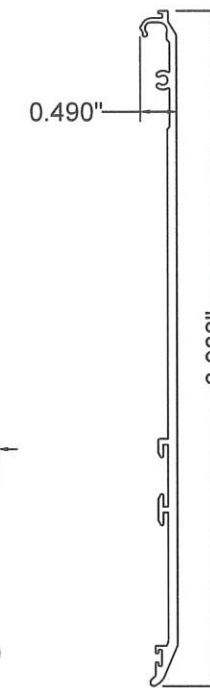
④ 9/16" Snap
6063-T5



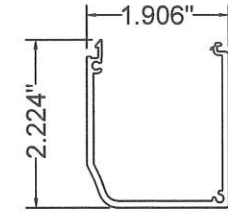
②② SL500 Beam
6063-T6



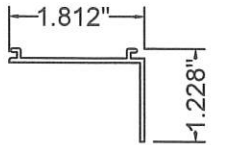
②① Resilience Track
6063-T5



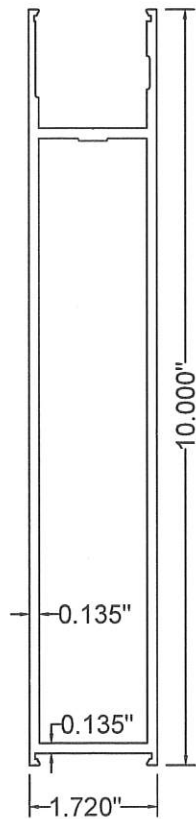
②① Beam Cover
6063-T5



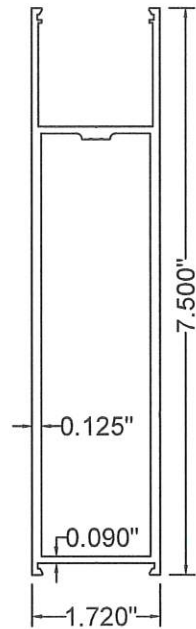
①⑨ Sensor Cap
6063-T6



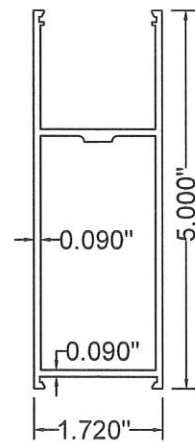
①⑧ S/L Cap
6063-T5



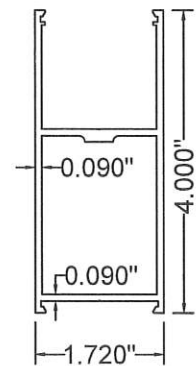
⑬ H10
6063-T5



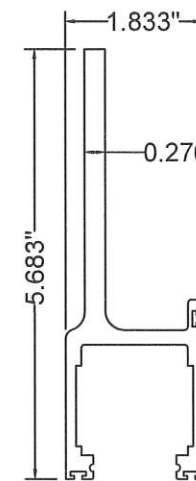
⑫ H7.5
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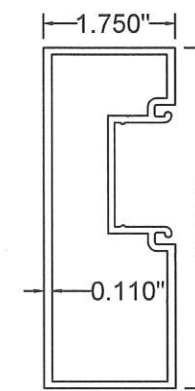
⑩ H5
6063-T5



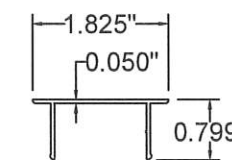
⑨ H4
6063-T5



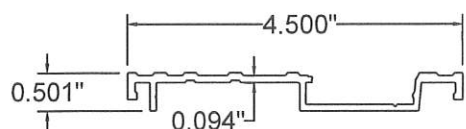
① Carrier
6063-T6



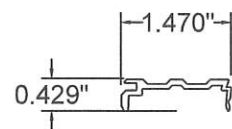
②⑥ Jamb
6063-T6



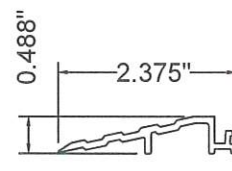
②⑦ Jamb Snap
6063-T6



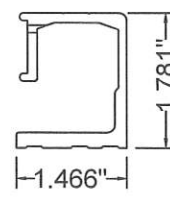
⑦ Threshold
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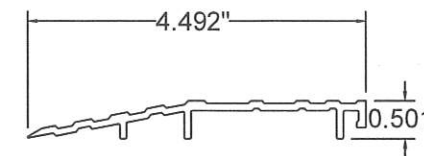
⑥ Filler
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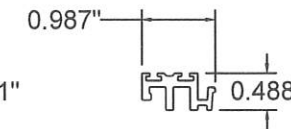
⑤ Leadup
6063-T5



④ G-Channel
6063-T5



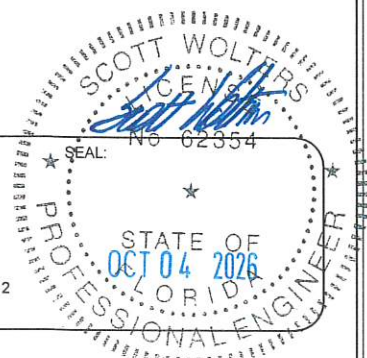
①⑧⑥ Active Leaf Threshold w/ Lead Up
6063-T5



①⑧④ Dual Seal Holder Ext.
6063-T5

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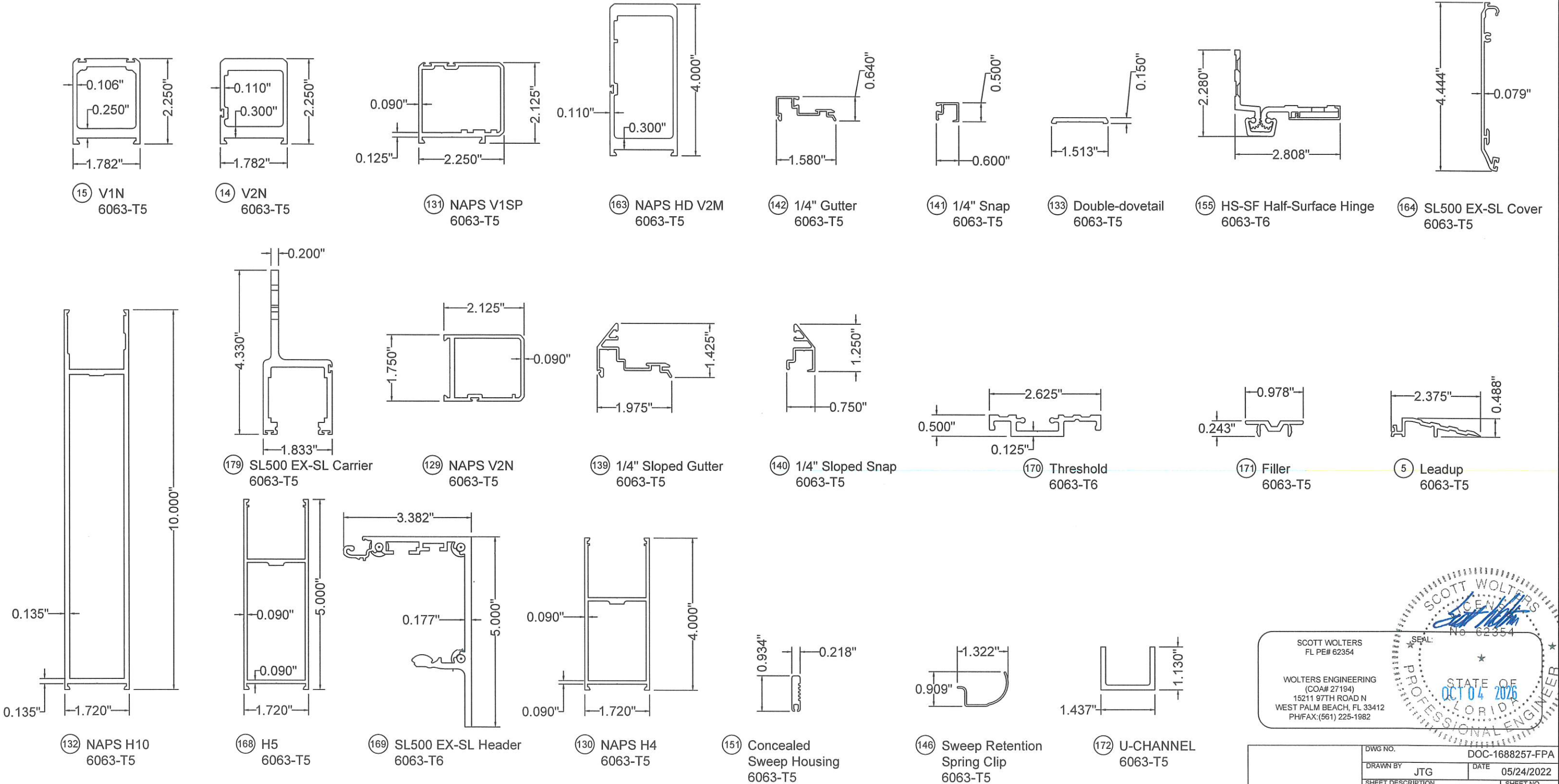
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ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING FIXED SIDELITE
WITH EX OPTION

Revisions			
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SHEET DESCRIPTION	SHEET NO. 29 OF 31



ASSA ABLOY ENTRANCE SYSTEMS
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PHONE: 1-866-237-2687

ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING FIXED SIDELITE
WITH EX OPTION

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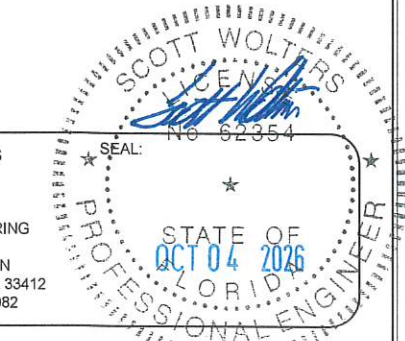
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1	Carrier	1015669
2	Sweep Clip	1013780
3	Sweep Housing	US01-0685
4	Resilience G-Channel	1018598
5	Leadup	1013364
6	Filler	1018095
7	Threshold	1013363
9	H4 Bottom Rail	1012942
10	H5 A/L Top Rail	1012944
12	H7.5 S/L Top Rail	1016075
13	H10 Bottom Rail	1012946
14	V2N HD Rail	1018841
15	V1N HD Rail	1018840
16	V2M HD Rail	1018843
17	V1M HD Rail	1018842
18	Sidelite Cap Extrusion	1008138
19	XG Resilience Sensor Cap	1016738
20	Beam Cover	1016073
21	XG Resilience Track	1015670
22	SL500 Beam	1010590
24	XG Resilience 9/16" Snap	1015701
25	Gutter	1015700
26	Jamb Tube	US01-0931
27	Jamb Snap	US01-0933
30	Fixed Seal (9/16" L.D. glass)	1703421
32	Fixed Seal (1/4" glass)	1703424
33	Wedge Seal (9/16" L.D. glass)	1703422
35	Wedge Seal (1/4" glass)	1703425
36	Glass Spacer Block	1016294
37	4" Anti-Twist Assembly Clip	1013803-2
38	5" Anti-Twist Assembly Clip	1013803-3
40	7.5" Rail Clip	1016607
41	10" Anti-Twist Assembly Clip	1013897-1
42	Rod, Threaded, 3/8"	50-09-100
43	Nut, 3/8-16 Whiz flange zinc	50-09-132
44	Square Threaded Rod Nut	1016327
45	Anti-Twist Bracket	1016628
46	Anti-Twist, R96	1019248
47	XG Gutter Corner Bracket, Interlock Mount	1019594
48	Heyco Plug #4055, Black	1704108
49	Weather Strip, Tall Fuzz	US20-0905-01
50	Header Smoke Seal - 20' Length	US20-1658-02

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

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

SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
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DWG NO. DOC-1688257-FPA
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SHEET DESCRIPTION SHEET NO.
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ASSA ABLOY

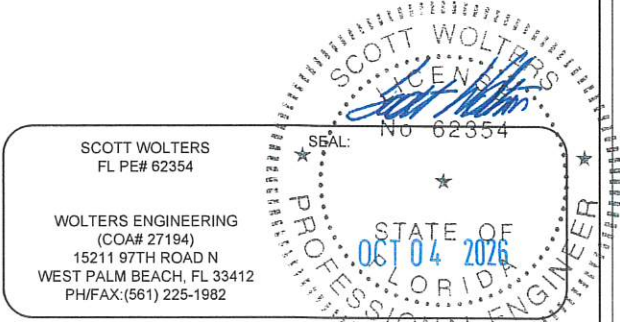
ASSA ABLOY

SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING FIXED SIDELITE
WITH EX OPTION

Revisions			
Rev	Description	Date	Approved
2	Added EX-SL Option Details	05/24/22	CBG
3	181-194 added, was 26 pages	9/4/26	SS

POS.	DESCRIPTION	PART NO.
129	NAPS V2N	1012938
130	NAPS H4	1012942
131	NAPS V1SP	1013884
132	NAPS H10	1012946
133	Double-dovetail	US01-0462-XX
134	4" Anti-twist Assembly Clip	1013803-2
135	10" Anti-twist Assembly Clip	1013897-1
136	Shim, Flange Nut	1014039
137	Nut, 3/8"-16 Whiz Flange Zinc	50-09-132
138	3/8"-16 Threaded Rod	50-09-100
139	1/4" Sloped Gutter	US01-0423-XX
140	1/4" Sloped Snap	US01-0424-XX
141	1/4" Snap	US01-0419-XX
142	1/4" Gutter	US01-0418-XX
143	3/16" Pile Weatherstripping	50-20-6402
144	Glazing Bead	US20-0213-XX
145	Sloped Glass Seal	50-20-225
146	Sweep Retention Spring Clip	1013780
147	Cap, Quick Service Door (LH)	1022369
148	Cap, Quick Service Door (RH)	1022370
149	Glazing Tape	1702779
150	Brush, Concealed Door Sweep	50-20-215
151	Concealed Sweep Housing	US01-0685-XX
152	Glass Block	US08-1653-01
153	Screw, HWH, 14-14 X 1 TEK	US09-1294-01
154	Pop Rivet, 3/16" X 1/2" LG (Clear)	US09-0350-02
155	HS-SF Half-Surface Hinge	1704522
156	Assy, 47-3/8" Lock Rod	50-06-110/OS
157	Kit, Lock Rod Guide	1702214
158	Flush Bolt	50-04-137
159	Door Holder, Mech	1704545
160	Screw, #6 X 5/8" Phillips, Undercut Flathead	US09-1665-01
161	EX Pull Handle	1023147
162	Surface Applied EX End Plate	1023023
163	NAPS HD V2M	1012939
164	SL500 EX-SL Cover	1013791
165	Kit, Spring Clip Assembly, RH	1023375-R
166	Kit, Rotary Dampener SL500 EX-SL	1023194
167	M6x16mm Trilobe BHCS	1703493
168	NAPS H5 Rail	1012944
169	SL500 EX-SL Header	1013555
170	Surface Applied Threshold Ext.	US01-0581
171	Threshold Filler	US01-0517
172	U-Channel	1023377
173	Backset Hook Lock	50-06-100
174	Snap-In-Cap, NAPS V1N Rail	1023142
175	Lock Cylinder, Thumbturn	50-06-106
176	Glazing Tape	1702779
177	#10-32 Rivnet	US09-0852-01
178	Non-Panic Guide Block	50-15-167

POS.	DESCRIPTION	PART NO.
179	SL500 EX-SL Carrier	1014256
180	Wheel Bracket Assy.	1014215
181	Sealing Floor Plate	203-1689438
182	Threshold Sealing Block	203-1689443
183		
184	Dual Seal-Holder Extrusion	EX-1675465
185	T-Seal	US20-1659-01
186	Active Leaf Threshold w/Lead-Up	EX-1675459
187	PSA Arm Install Hardware Kit	203-1595953
188	PSA Arm Adjustment Plate Kit	203-1595959
189	1/4" x 3 1/4" Simpson Titen Turbo HWH 316SS	203-1685803
190	1/4" x 3 1/4" Simpson Titen Turbo PFH 316SS	203-1685805
191	1/4" - 14 x 2" Dewalt Bi-Flex HWH Self Drilling	203-1685806
192	#14 x 2.5" PH 316SS Sheet Metal Screw	203-1685810
193	#10 x 2.5 PH 316SS Sheet Metal Screw	203-1685811
194	#14 x 3" FH 316SS Sheet Metal Screw	203-1685812



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