



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

ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
FIXED SIDELITE

Revisions			
Rev	Description	Date	Approved
0	Initial Release		SJF
1	Notes changed, was 16 pages	9/4/26	SS

GENERAL NOTES:

- 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 FOR USE OUTSIDE OF THE HVHZ. GLASS TYPE 1 IS LARGE AND SMALL IMPACT RESISTANT, AND DOES NOT REQUIRE SHUTTERS IN WINDBORNE DEBRIS REGIONS. GLASS TYPES 4 & 5 ARE NOT IMPACT RESISTANT. AN IMPACT RESISTANT SHUTTER SYSTEM IS REQUIRED FOR USE IN WINDBORNE DEBRIS REGIONS.
- MAX. DESIGN PRESSURES ARE LISTED ON SHEET 4.
- WATER INFILTRATION: THIS DOOR SYSTEM HAS TWO APPROVED CONFIGURATIONS PER FBC 9TH EDITION SECTION 1709.5.1.
 - 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.
 - 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.
- 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 17.
- ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS LISTED IN THE ANCHOR CHART ON SHEET 17, AND AS DETAILED IN THESE DRAWINGS. ANCHOR EMBEDMENT IN SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS.
- 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.
- DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT GALVANIC REACTIONS IN ACCORDANCE WITH FBC CHAPTERS 20 AND 23.

SYSTEM NOTES:

- ALL ALUMINUM PARTS SHALL BE 6063-T5 ALUMINUM ALLOY AND TEMPER, UNLESS OTHERWISE NOTED.
- FOR GLAZING DETAILS, SEE SHEET 5.
- 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.
- THIS SYSTEM HAS NOT BEEN TESTED PER ANSI Z97.1.

CORNER CONSTRUCTION:

- FRAME CORNERS ARE SQUARE CUT AND MECHANICALLY FASTENED AT THE HEAD WITH M6x30 SCREWS USING A BEAM END PLATE (SEE SHEET 16),
- 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.

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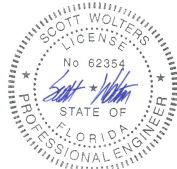
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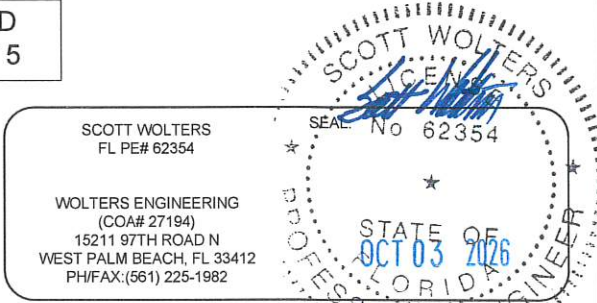
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Bill of Materials

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



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by Scott Walters
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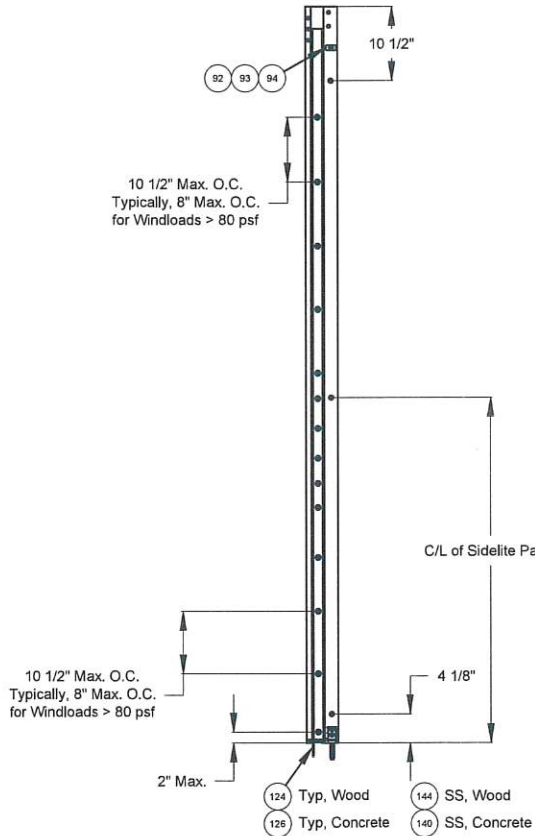
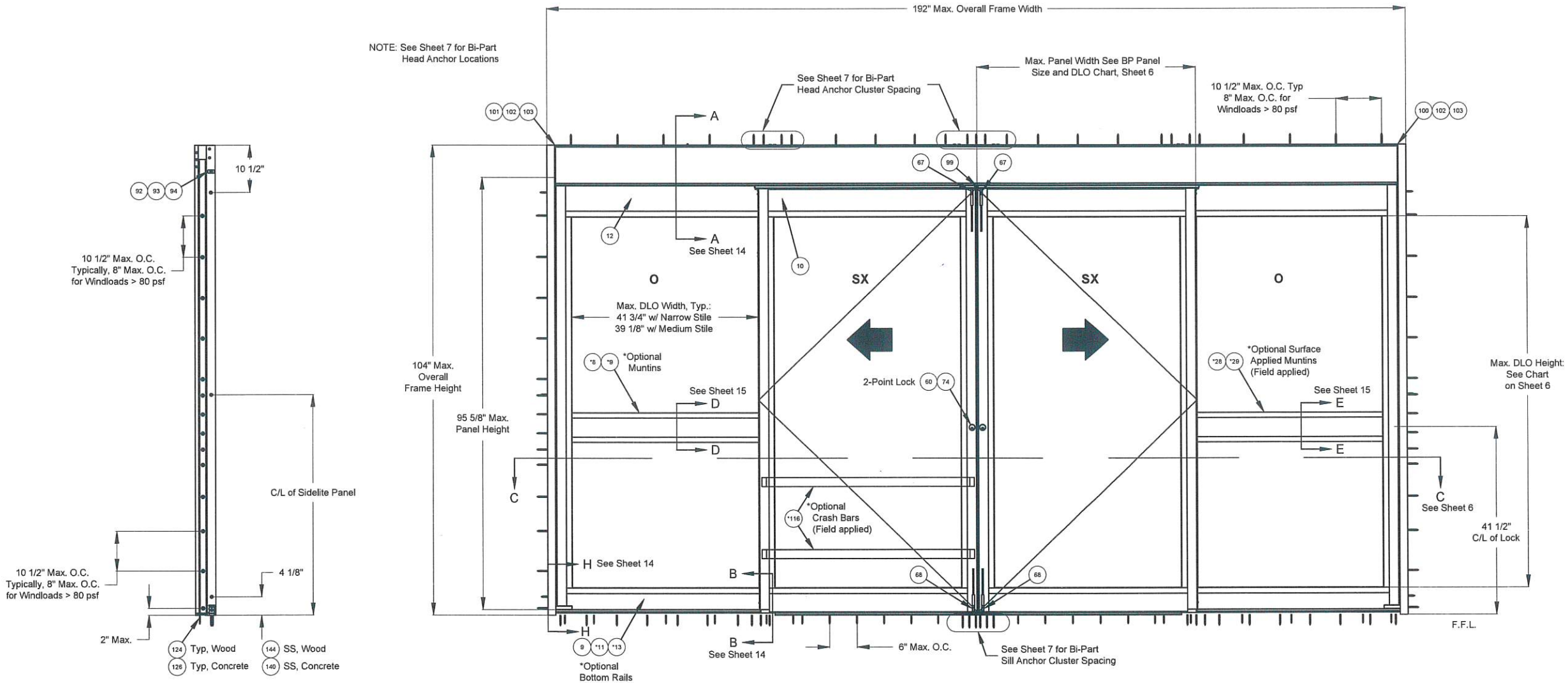


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ASSA ABLOY	

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FIXED SIDELITE

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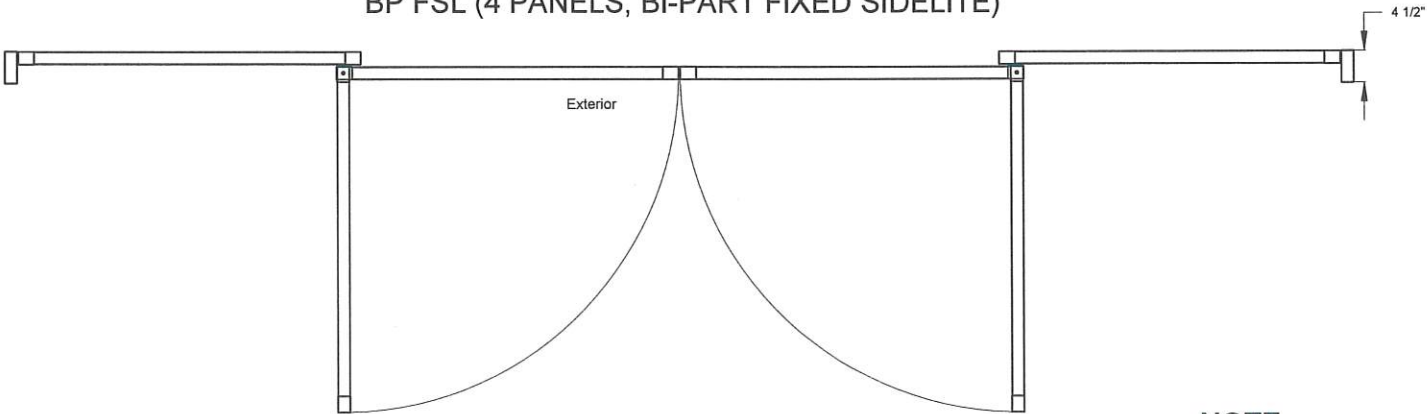
NOTE: See Sheet 7 for Bi-Part
Head Anchor Locations



SIDELITE JAMB

(Typ. both Jambs)

BP FSL (4 PANELS, BI-PART FIXED SIDELITE)



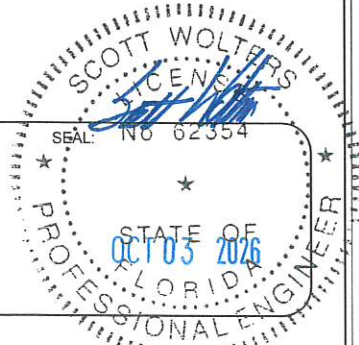
NOTE:
-BASE PACKAGE
ELEVATION APPLICABLE TO
BASE PACKAGE WITH LWI

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

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

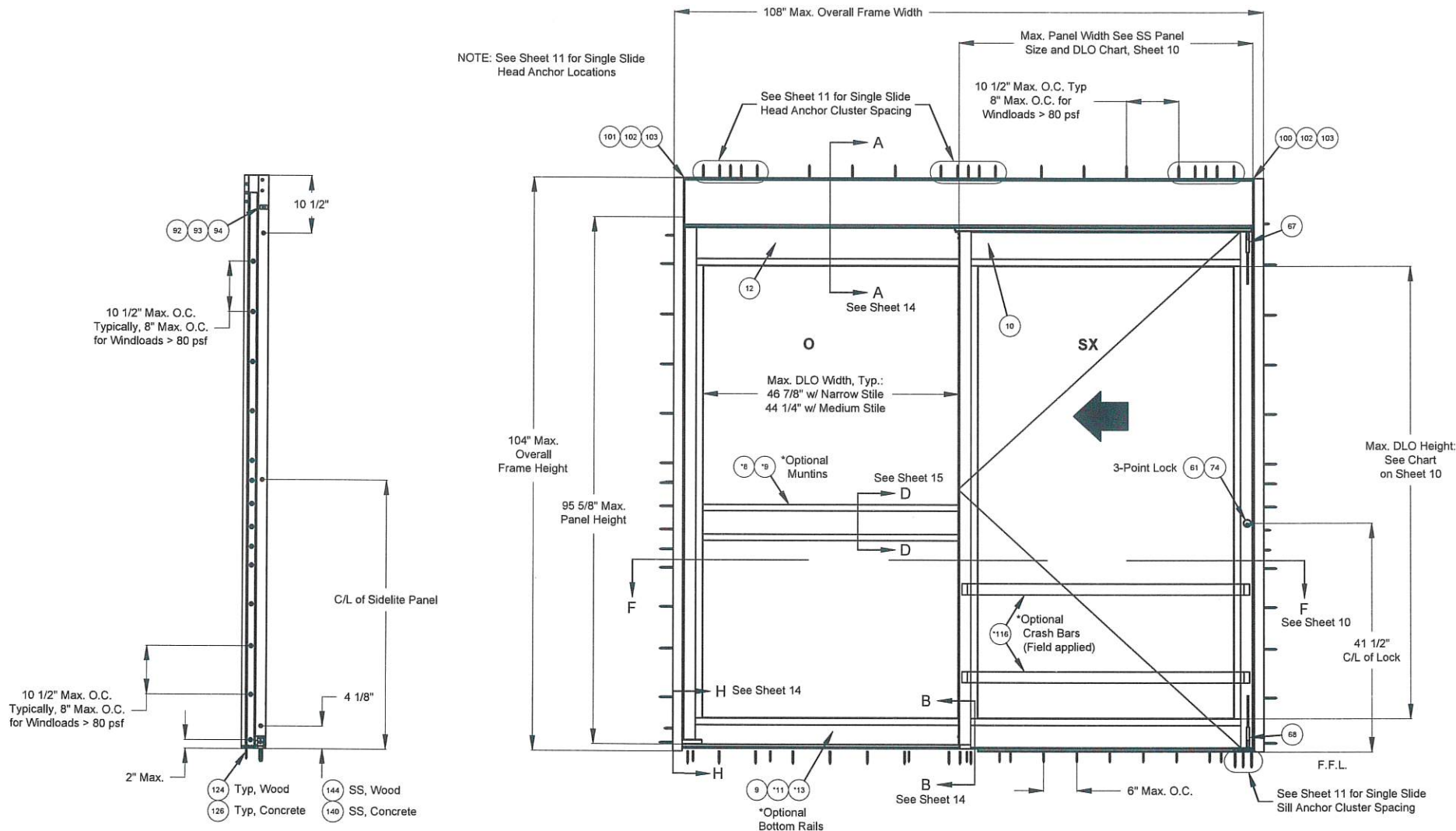
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FL PE# 62354

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

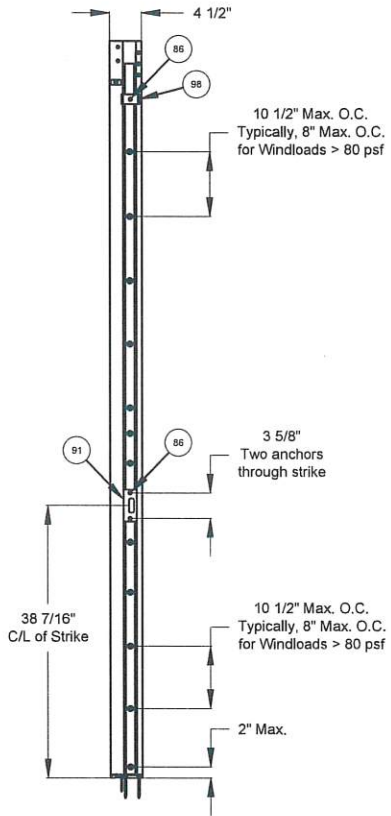


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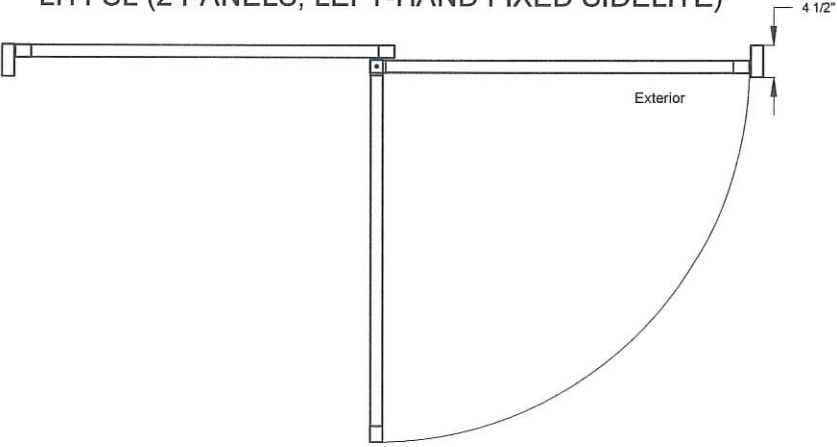


SIDELITE JAMB



ACTIVE JAMB

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



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

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

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

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(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
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SCOTT WOLTERS
FL PE# 62354

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(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
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SINGLE SLIDE - MAXIMUM DESIGN PRESSURE				
GLASS TYPE	IMPACT RATING	LOCKING HARDWARE	MAX. FRAME SIZE (in)	MAX. DESIGN PRESSURE (psf)
GLASS TYPE 1	LMI - MISSILE D	3 PT. LOCK	108" x 104"	80
GLASS TYPES 4 & 5	NON-IMPACT**	3 PT. LOCK	SEE CHART BELOW	SEE CHART BELOW

** SHUTTERS ARE REQUIRED FOR WINDBORNE DEBRIS REGIONS

BI-PARTING - MAXIMUM DESIGN PRESSURE				
GLASS TYPE	IMPACT RATING	LOCKING HARDWARE	MAX. FRAME SIZE (in)	MAX. DESIGN PRESSURE (psf)
GLASS TYPE 1	LMI - MISSILE D	4 PT. LOCK	192" x 104"	80
GLASS TYPES 4 & 5	NON-IMPACT**	4 PT. LOCK	SEE CHART BELOW	SEE CHART BELOW

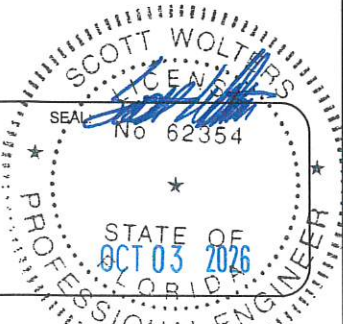
** SHUTTERS ARE REQUIRED FOR WINDBORNE DEBRIS REGIONS

MAX DESIGN PRESSURE FOR GLASS TYPES 4 & 5 (NON-IMPACT)					
SINGLE SLIDE					
FRAME HEIGHT (in)	FRAME WIDTH (in)	MAX DESIGN PRESSURE +/- (psf)	FRAME HEIGHT (in)	FRAME WIDTH (in)	MAX DESIGN PRESSURE +/- (psf)
90	80	124.8	98	80	114.6
90	84	118.9	98	84	109.2
90	88	113.5	98	88	104.2
90	92	108.5	98	92	99.7
90	96	104.0	98	96	95.5
90	100	99.8	98	100	91.7
90	104	96.0	98	104	88.2
90	108	92.4	98	108	84.9
92	80	122.1	100	80	112.3
92	84	116.3	100	84	107.0
92	88	111.0	100	88	102.1
92	92	106.2	100	92	97.7
92	96	101.7	100	96	93.6
92	100	97.7	100	100	89.9
92	104	93.9	100	104	86.4
92	108	90.4	100	108	83.2
94	80	119.5	102	80	110.1
94	84	113.8	102	84	104.9
94	88	108.6	102	88	100.1
94	92	103.9	102	92	95.8
94	96	99.6	102	96	91.8
94	100	95.6	102	100	88.1
94	104	91.9	102	104	84.7
94	108	88.5	102	108	81.6
96	80	117.0	104	80	108.0
96	84	111.4	104	84	102.9
96	88	106.4	104	88	98.2
96	92	101.7	104	92	93.9
96	96	97.5	104	96	90.0
96	100	93.6	104	100	86.4
96	104	90.0	104	104	83.1
96	108	86.7	104	108	80.0

MAX DESIGN PRESSURE FOR GLASS TYPES 4 & 5 (NON-IMPACT)					
BI-PARTING					
FRAME HEIGHT (in)	FRAME WIDTH (in)	MAX DESIGN PRESSURE +/- (psf)	FRAME HEIGHT (in)	FRAME WIDTH (in)	MAX DESIGN PRESSURE +/- (psf)
90	120	129.4	98	120	118.9
90	144	107.9	98	144	99.0
90	168	92.4	98	168	84.9
90	192	80.9	98	192	74.3
92	120	126.6	100	120	116.5
92	144	105.5	100	144	97.1
92	168	90.4	100	168	83.2
92	192	79.1	100	192	72.8
94	120	123.9	102	120	114.2
94	144	103.3	102	144	95.2
94	168	88.5	102	168	81.6
94	192	77.4	102	192	71.4
96	120	121.3	104	120	112.0
96	144	101.1	104	144	93.3
96	168	86.7	104	168	80.0
96	192	75.8	104	192	70.0

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(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
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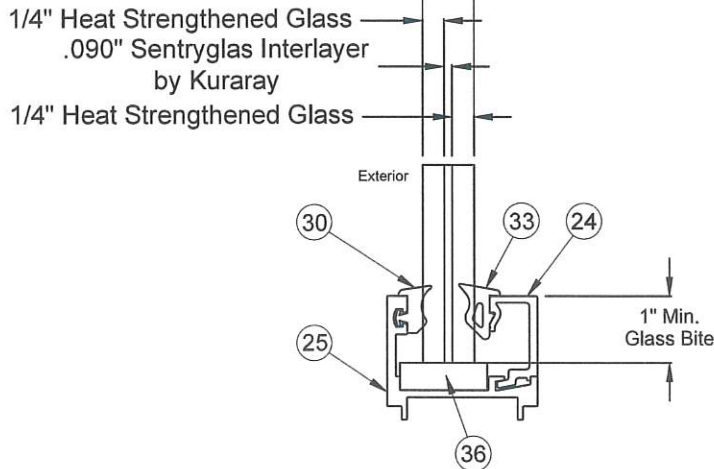
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Glass Type 1
9/16" LAMINATED GLASS

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

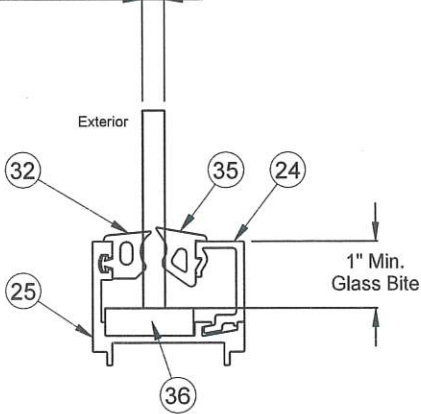


FBC 2411.3.3.1
Compliant Setting Blocks
80 Durometer Neoprene
2 per Glass Edge

LEVEL D
LARGE AND SMALL MISSILE IMPACT

Glass Type 4
1/4" TEMPERED GLASS

1/4" Fully Tempered
(.250" actual)

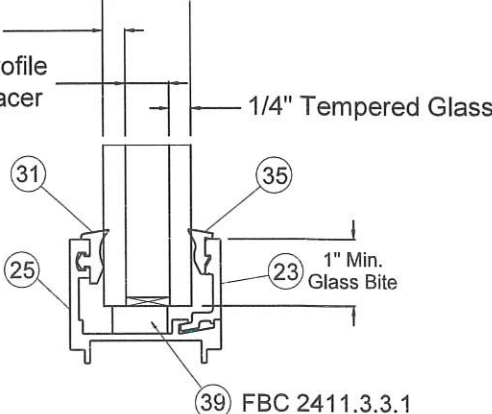


FBC 2411.3.3.1
Compliant Setting Blocks
80 Durometer Neoprene
2 per Glass Edge

Glass Type 5
1" INSULATED TEMPERED GLASS

1" O.A. Insulated Glass
(1" actual)

1/4" Tempered Glass
1/2" Air Gap with Low Profile
Aluminum Ramapo Spacer



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

NON-IMPACT

NOTE: GLASS TYPES 4 & 5 ARE NOT IMPACT RESISTANT. AN IMPACT RESISTANT SHUTTER SYSTEM IS REQUIRED FOR USE IN WINDBORNE DEBRIS REGIONS.

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

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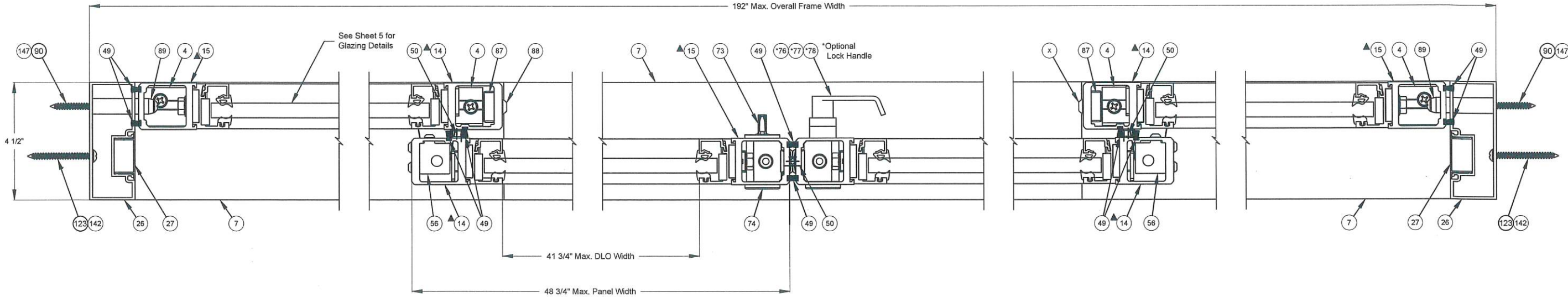
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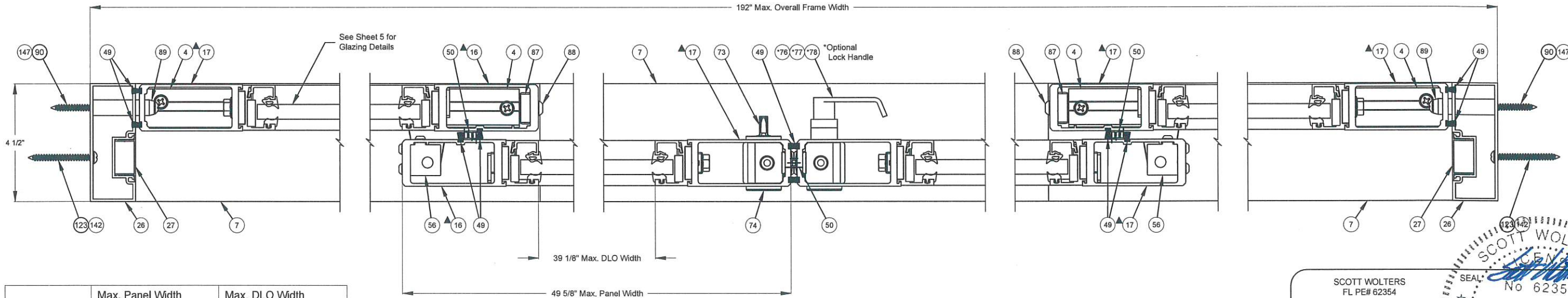
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Section C-C, Narrow Stile
BI-PARTING FIXED SIDELITE SHOWN



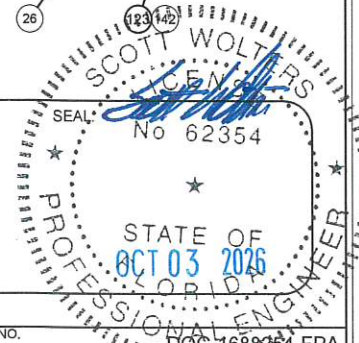
Section C-C, Medium Stile
BI-PARTING FIXED SIDELITE SHOWN

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

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

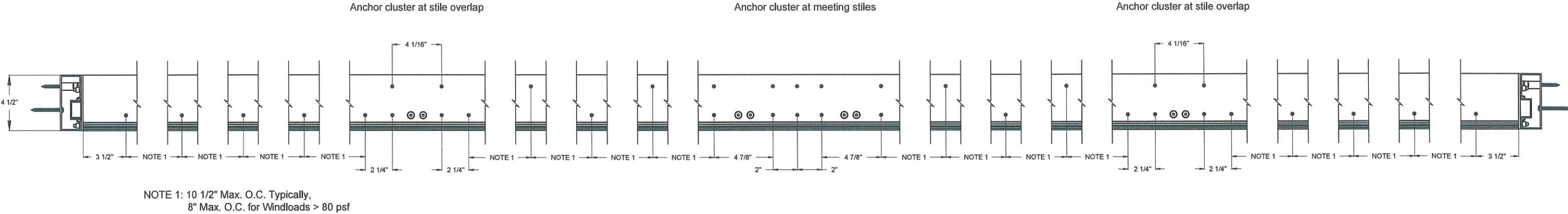
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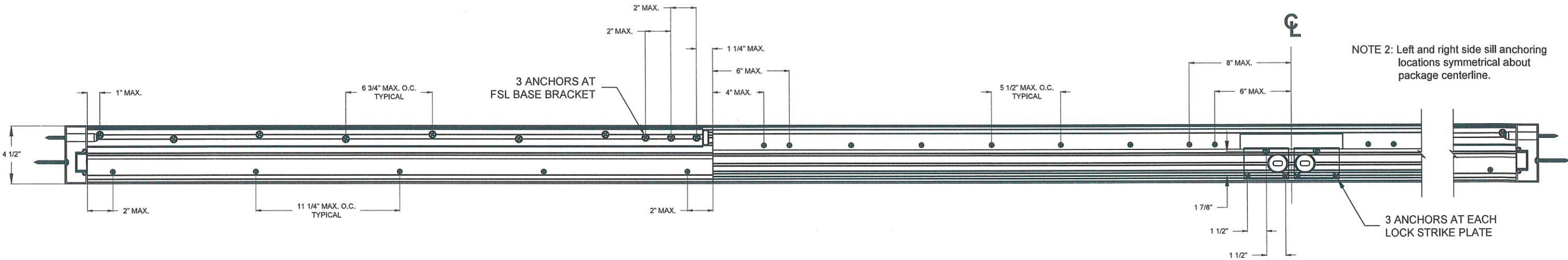


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BI-PART HEADER ANCHOR LOCATIONS



BI-PART SILL ANCHOR LOCATIONS

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

SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
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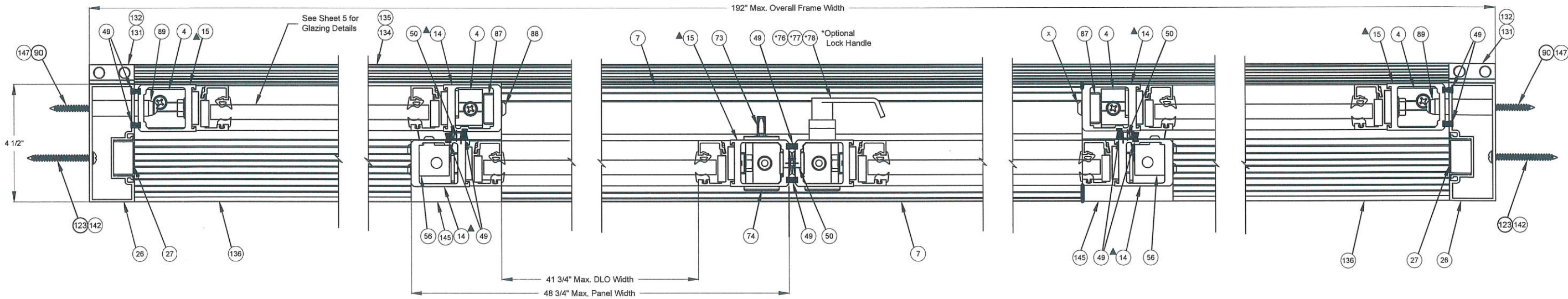
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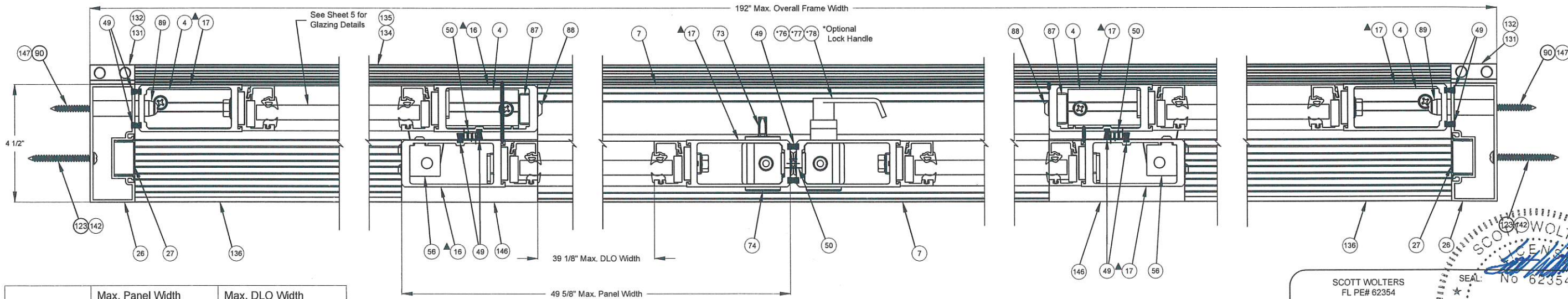
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BASE PACKAGE WITH LWI OPTION



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



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

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

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

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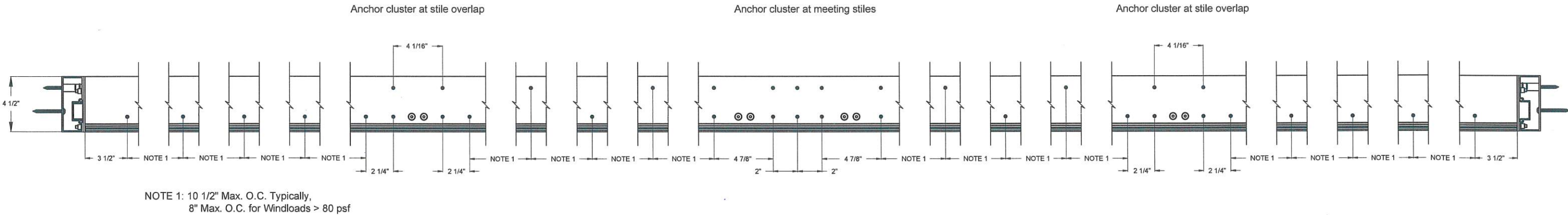
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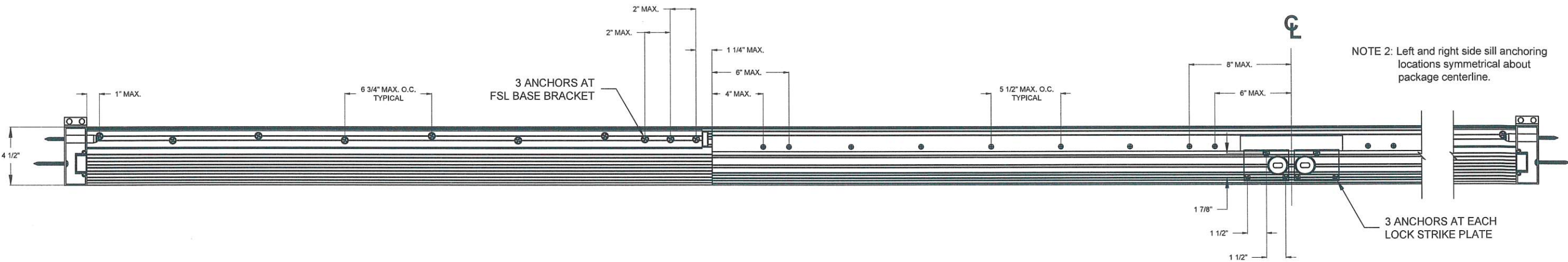
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BI-PART HEADER ANCHOR LOCATIONS



BI-PART SILL ANCHOR LOCATIONS

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(COA# 27194)
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WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982

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FL PE# 62354

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(COA# 27194)
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WEST PALM BEACH, FL 33412
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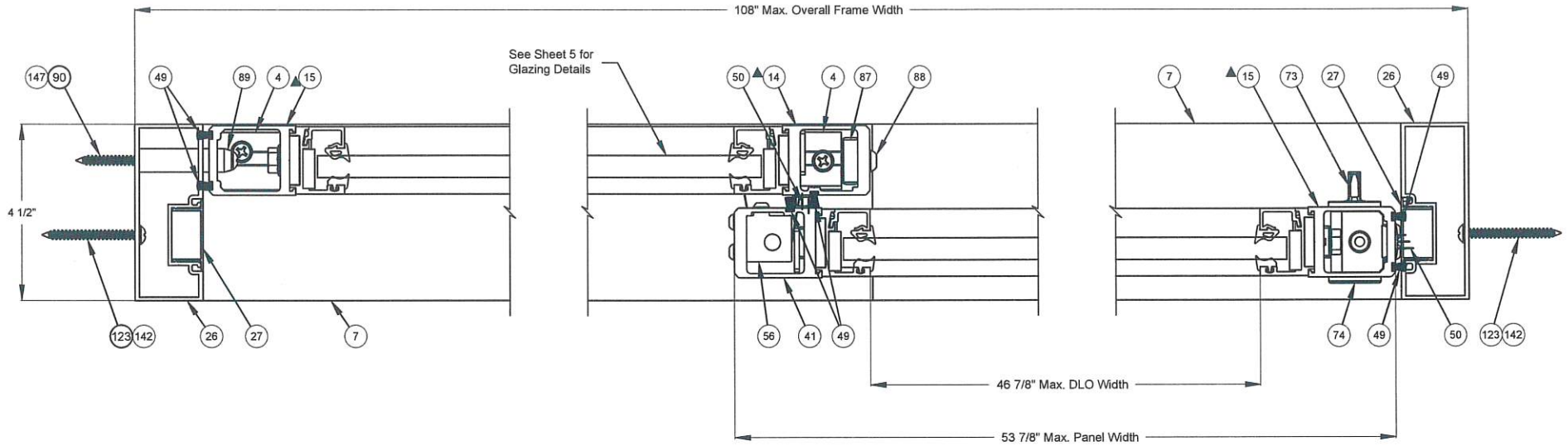
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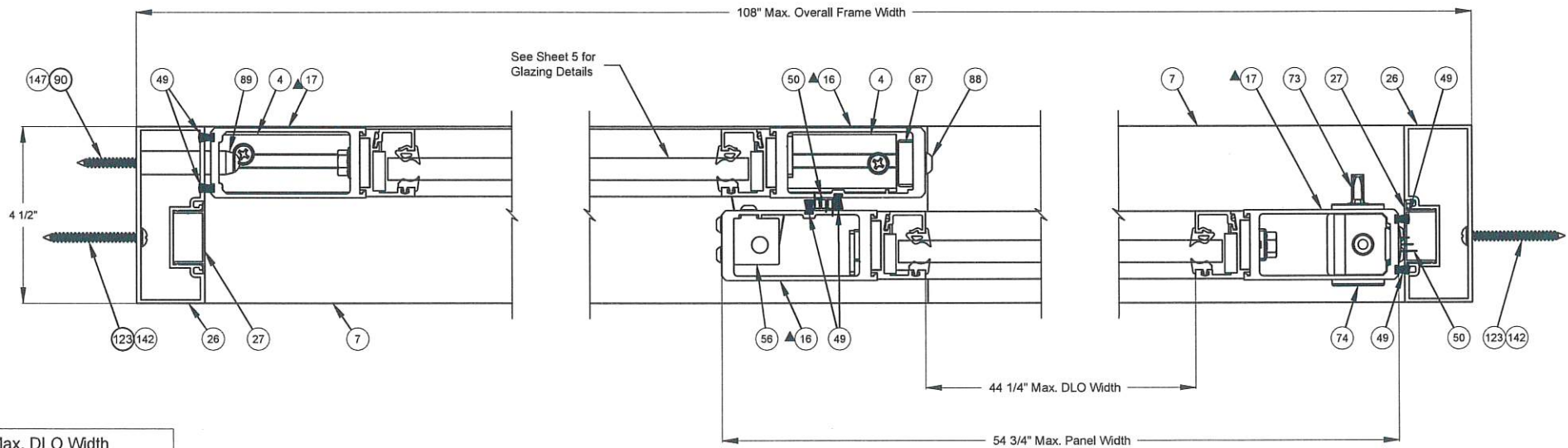
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Section F-F, Narrow Stile
SINGLE SLIDE FIXED SIDELITE SHOWN



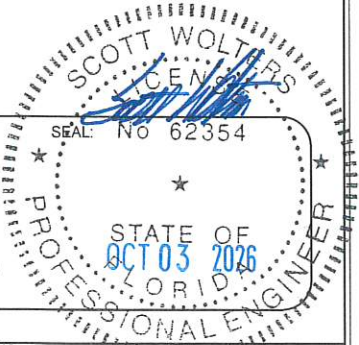
Section F-F, Medium Stile
SINGLE SLIDE FIXED SIDELITE SHOWN

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

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

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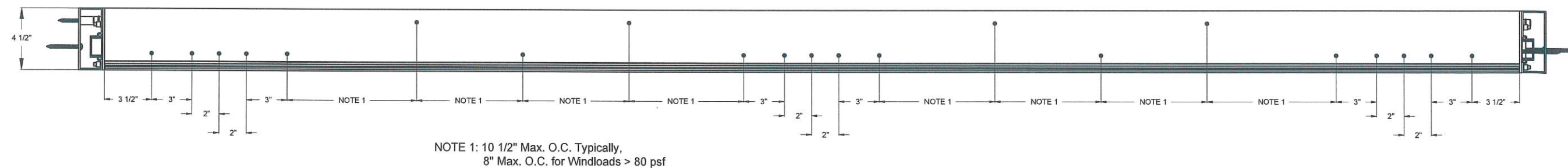
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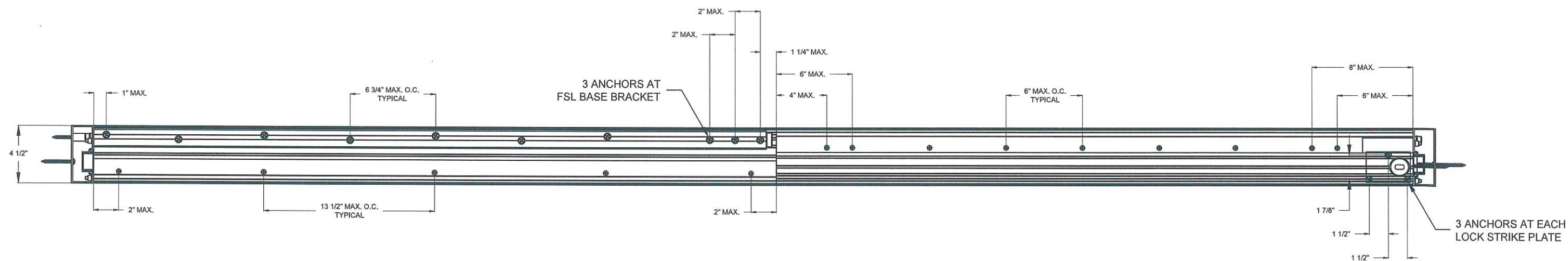
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Revisions			
Rev	Description	Date	Approved
0	Initial Release		SJF
1	Base package title added, was 16 pages	9/4/26	SS

BASE PACKAGE



SINGLE SLIDE HEADER ANCHOR LOCATIONS



SINGLE SLIDE 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

SCOTT WOLTERS
 LICENSE NO. 62354
 SEAL: NO 62354
 STATE OF FLORIDA
 OCT 03 2026
 PROFESSIONAL ENGINEER

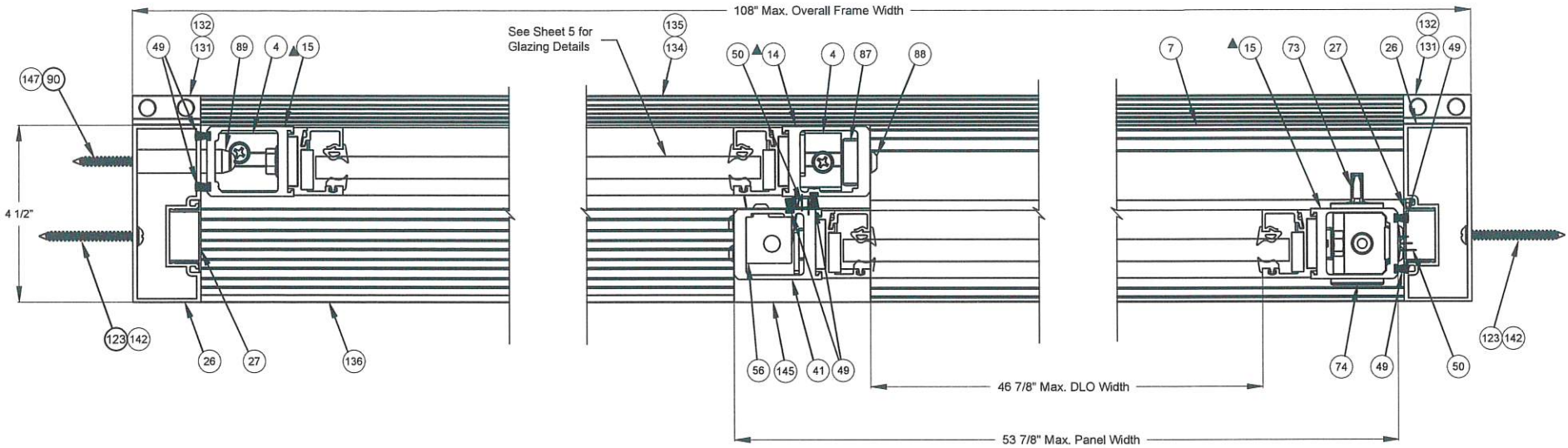
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DRAWN BY DBN		DATE 10/11/2019	
SHEET DESCRIPTION		SHEET NO. 11 OF 21	

ASSA ABLOY

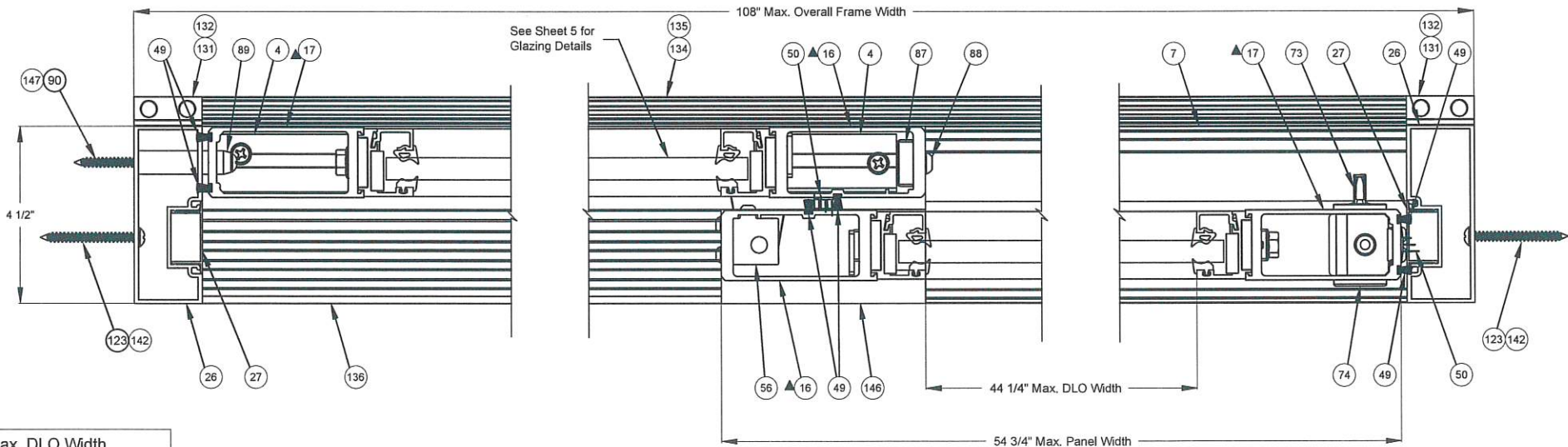
Revisions			
Rev	Description	Date	Approved
0	Initial Release		SJF
1	New option, was 16 pages	9/4/26	SS

BASE PACKAGE WITH LWI OPTION

▲ US Patent 11,448,003 B2



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



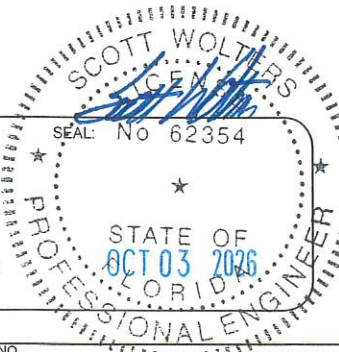
Section F-F, Medium Stile
SINGLE SLIDE FIXED SIDELITE SHOWN

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

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

SCOTT WOLTERS
FL PE# 62354

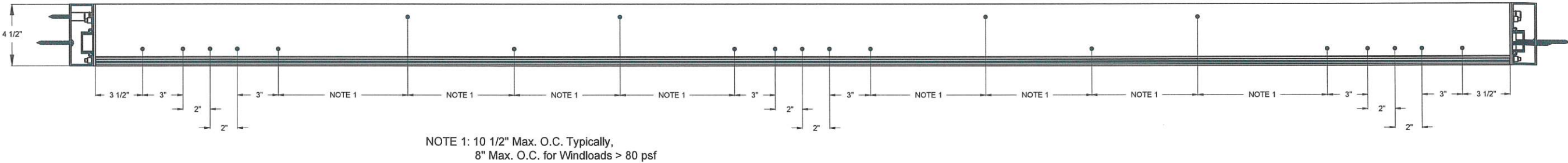
WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982



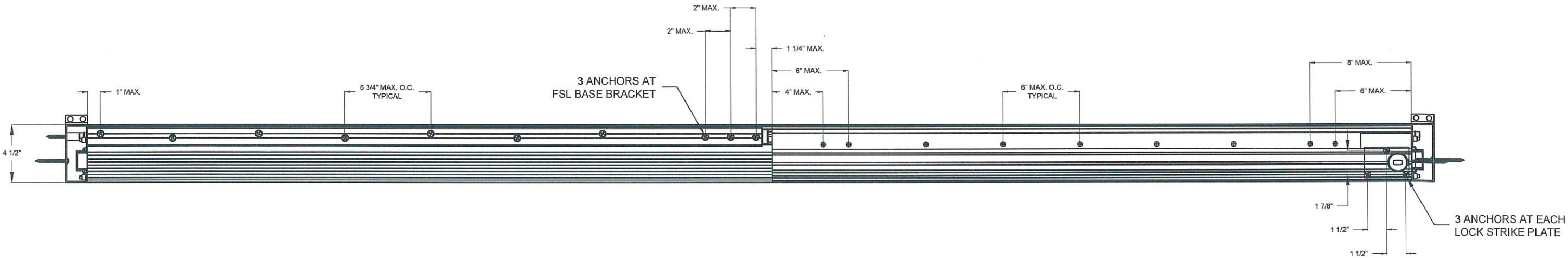
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DRAWN BY	DBN	DATE	10/11/2019
SHEET DESCRIPTION	12 OF 21		

Revisions			
Rev	Description	Date	Approved
0	Initial Release		SJF
1	New option, was 16 pages	9/4/26	SS

BASE PACKAGE WITH LWI OPTION



SINGLE SLIDE HEADER ANCHOR LOCATIONS



SINGLE SLIDE 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

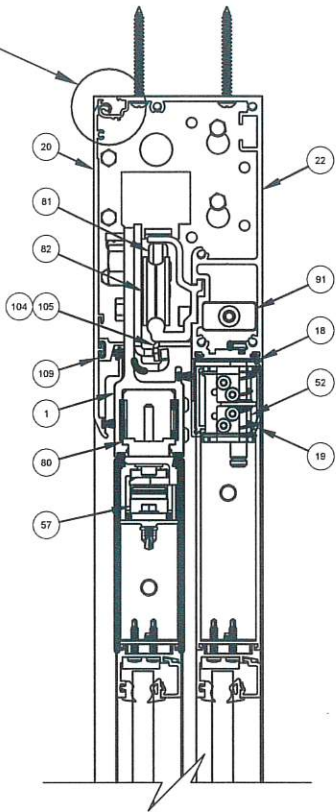
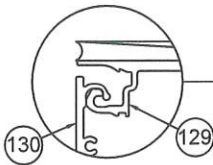
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FL PE# 62354

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OCT 03 2026
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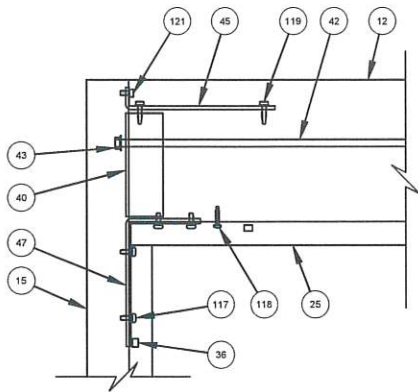
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DRAWN BY	DBN
DATE	10/11/2019
SHEET DESCRIPTION	SHEET NO. 13 OF 21
ASSA ABLOY	

Revisions			
Rev	Description	Date	Approved
0	Initial Release		SJF
1	137 & 138 added, was 16 pages	9/4/26	SS

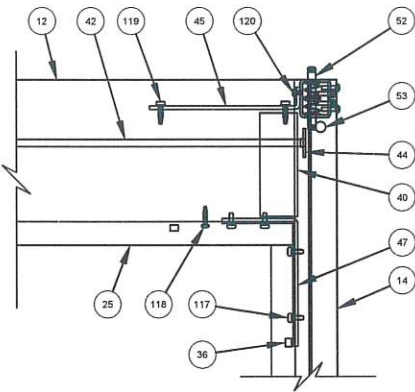
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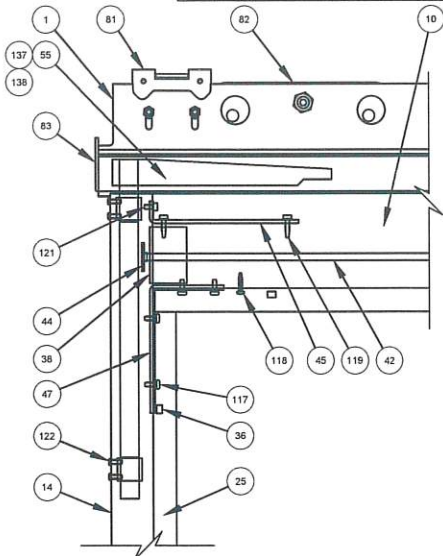
Section A-A



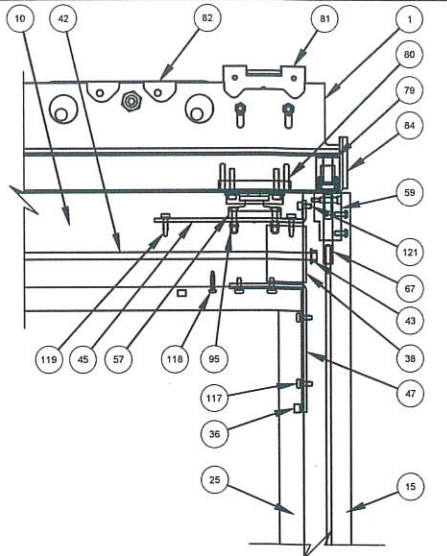
Sidelite
Top Jamb Corner



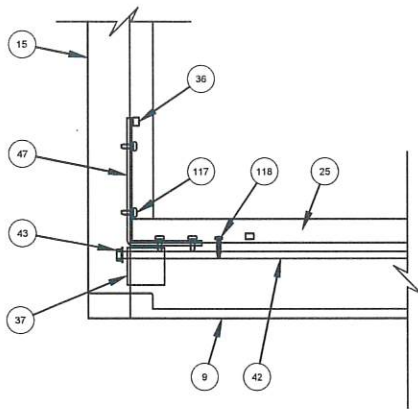
Sidelite
Top Lead Corner



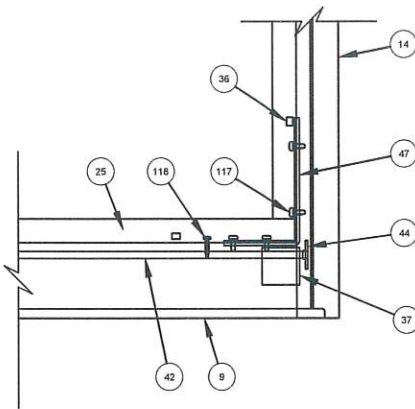
Active Leaf
Top Jamb Corner



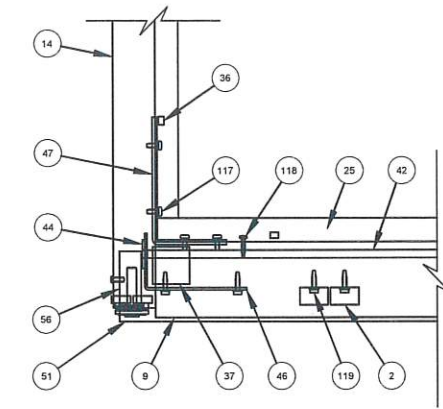
Active Leaf
Top Lead Corner



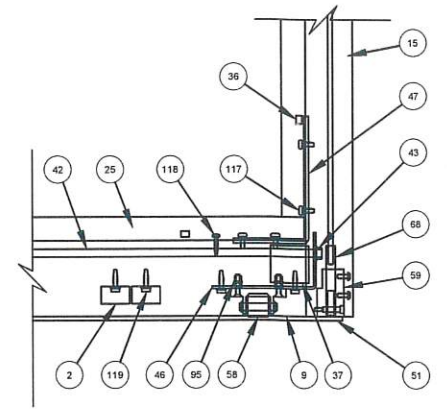
Sidelite
Bottom Jamb Corner



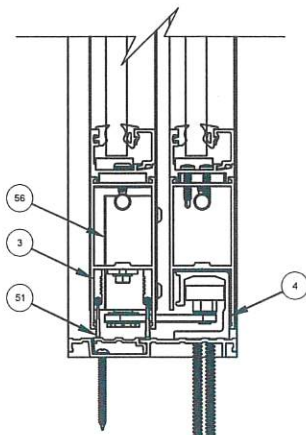
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Bottom Lead Corner



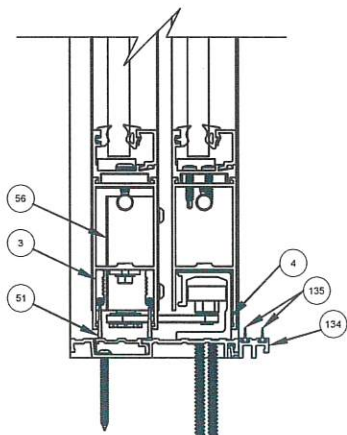
Active Leaf
Bottom Jamb Corner



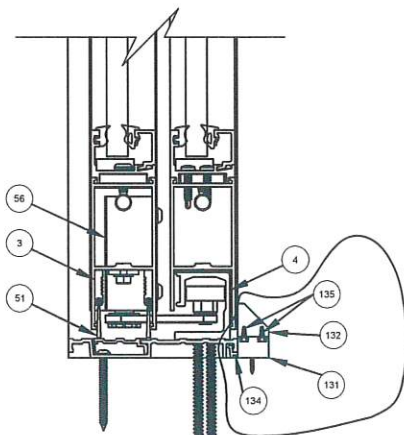
Active Leaf
Bottom Lead Corner



Section B-B
BASE PACKAGE



Section B-B
BASE PACKAGE WITH LWI OPTION



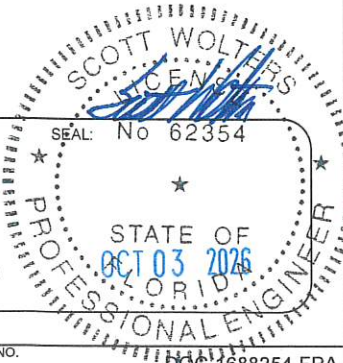
Section H-H
BASE PACKAGE WITH LWI OPTION

Parts included with
LWI Option

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

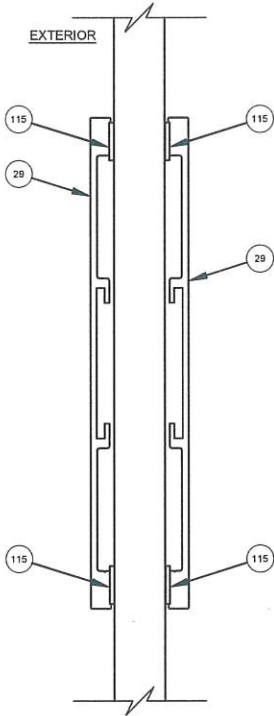
SEAL: No 62354



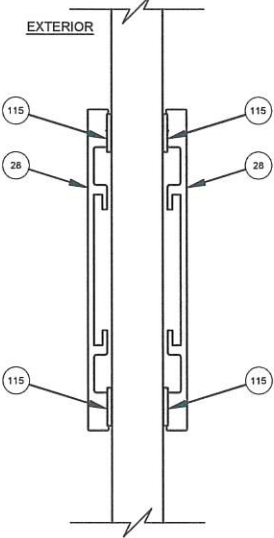
DWG NO. DOC-1688254-FPA

DRAWN BY DBN DATE 10/11/2019
SHEET DESCRIPTION SHEET NO. 14 OF 21

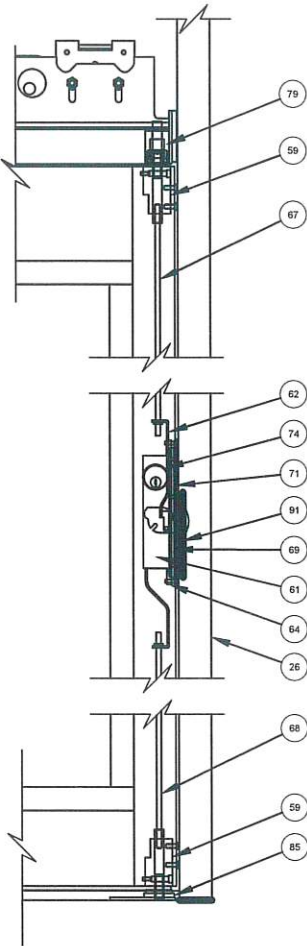
Revisions			
Rev	Description	Date	Approved
0	Initial Release		SJF
1	Was 16 pages	9/4/26	SS



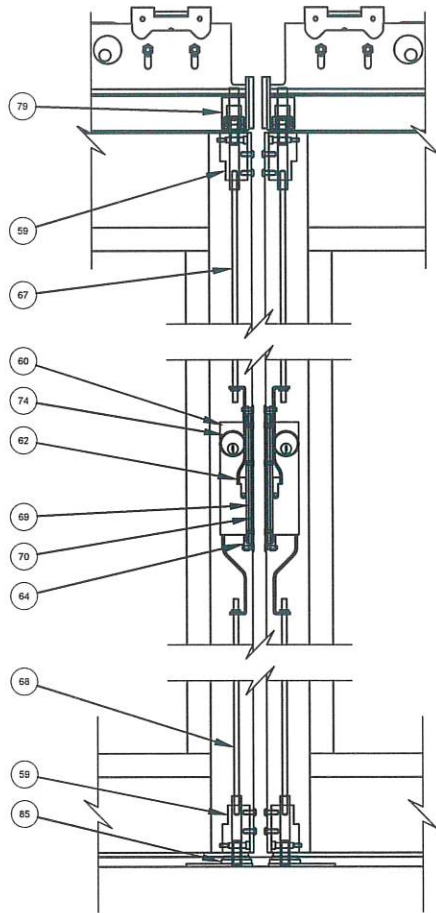
Section E-E
4" Surface
Applied Muntin



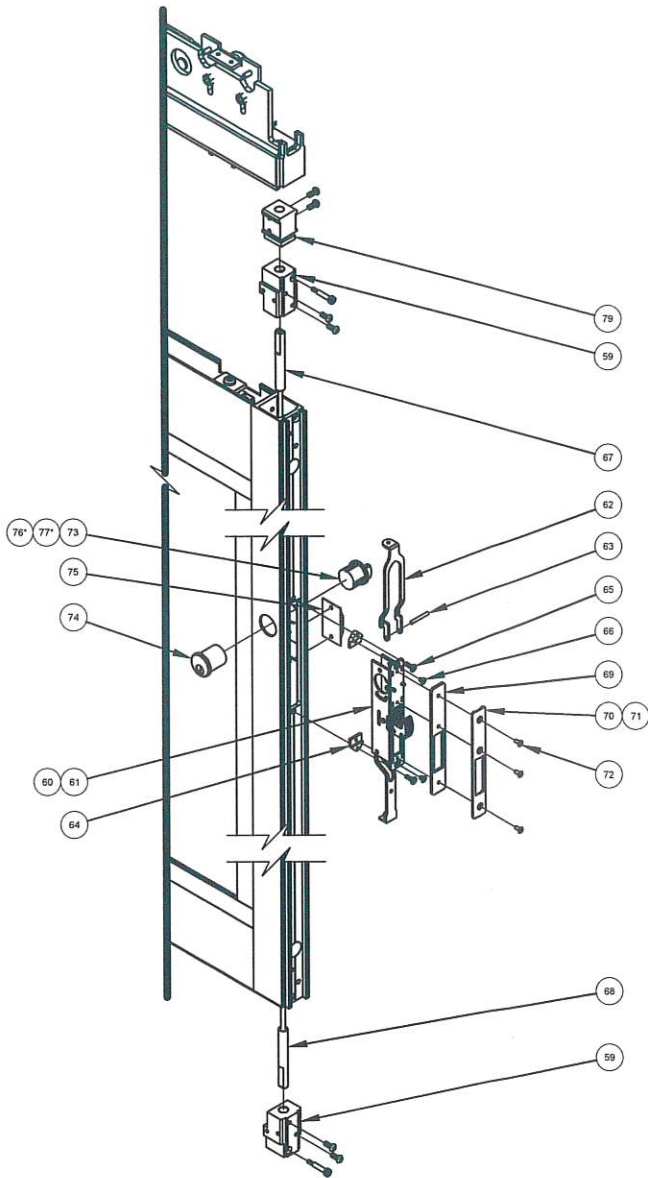
Section E-E
2" Surface
Applied Muntin



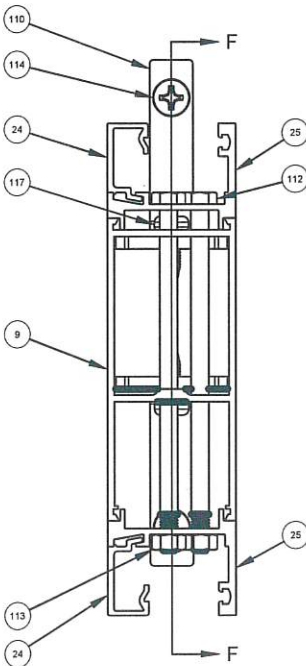
Single Slide
3-Point Lock



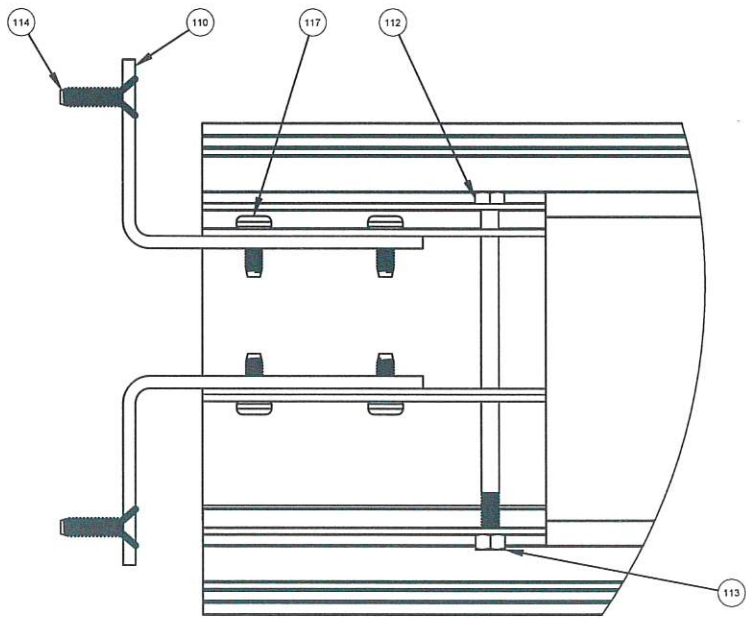
Bi-Part
4-Point Lock



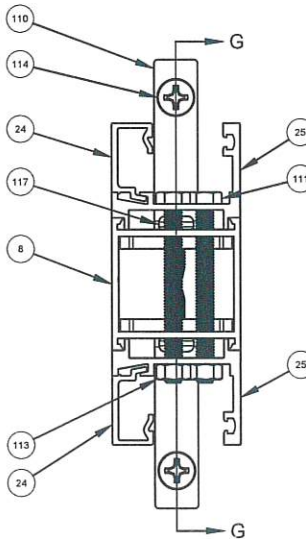
Locking System
(Single Slide shown)



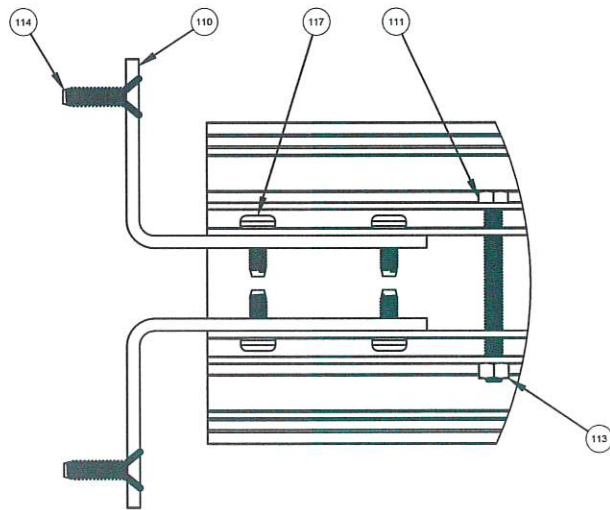
Section D-D
True Divided 4" Muntin



Section F-F
True Divided 4" Muntin



Section D-D
True Divided 2" Muntin



Section G-G
True Divided 2" Muntin

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FL PE# 62354

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(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
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SCOTT WOLTERS
FL PE# 62354

STATE OF
FLORIDA
OCT 03 2026
PROFESSIONAL ENGINEER

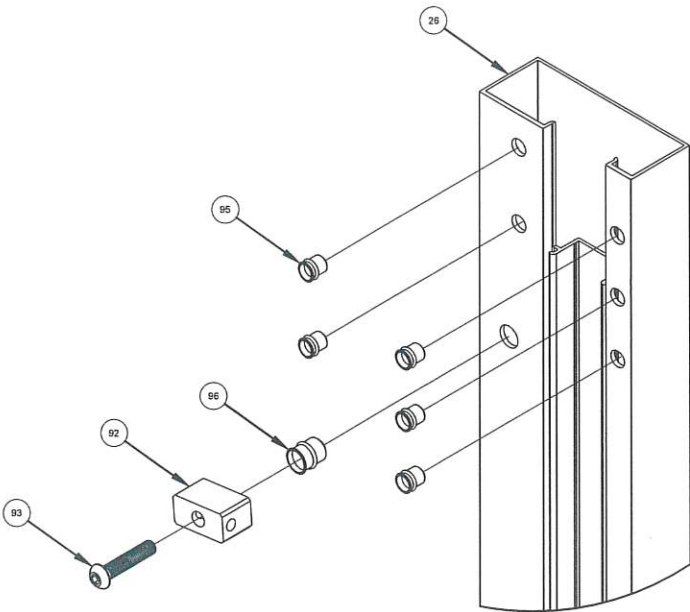
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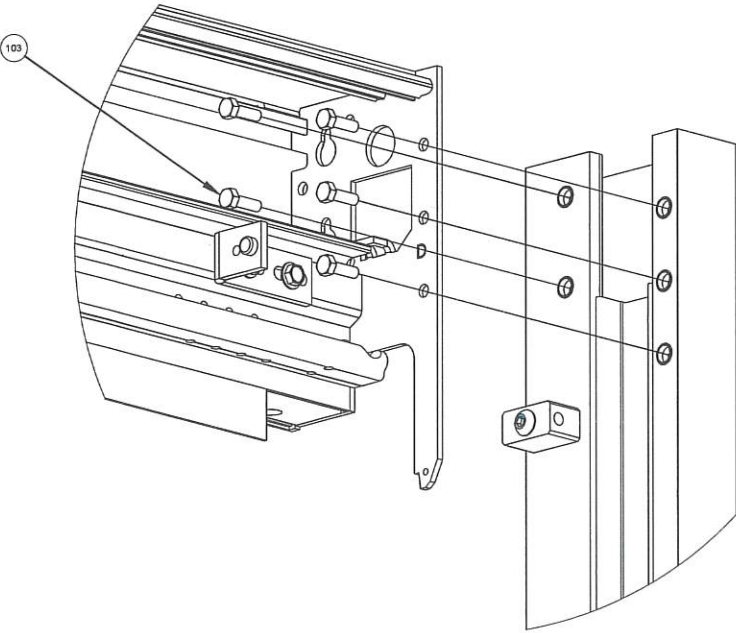
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ASSA ABLOY

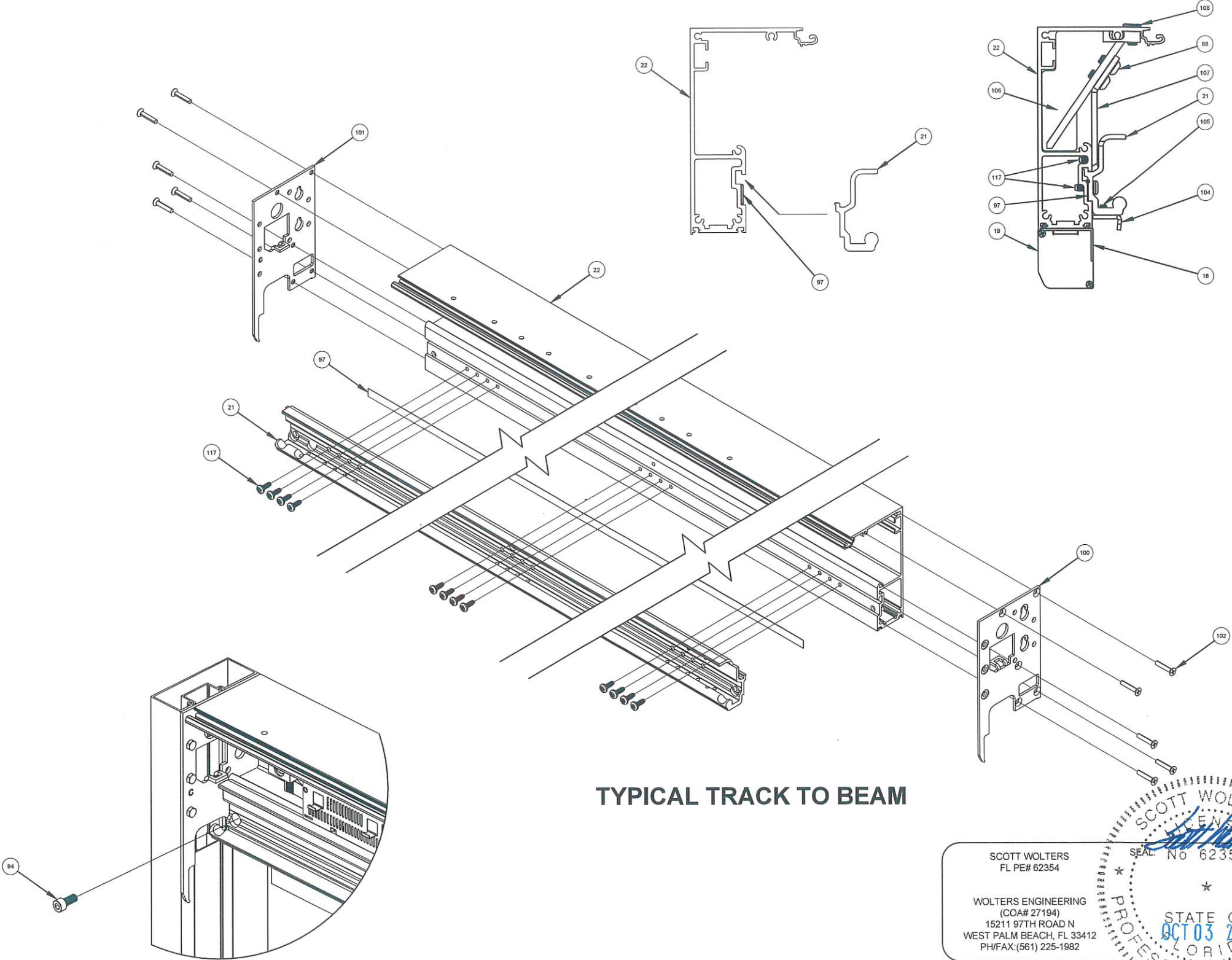
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Rev	Description	Date	Approved
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1	Was 16 pages	9/4/26	SS



JAMB ASSEMBLY



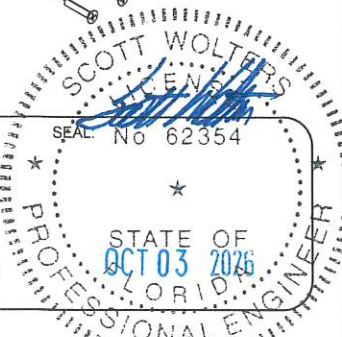
TYPICAL BEAM TO JAMB



TYPICAL TRACK TO BEAM

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WOLTERS ENGINEERING
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15211 97TH ROAD N
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DRAWN BY		DBN	DATE
			10/11/2019
SHEET DESCRIPTION			SHEET NO.
			16 OF 21
ASSA ABLOY			



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

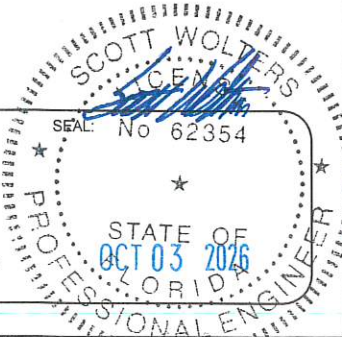
ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
FIXED SIDELITE

Revisions			
Rev	Description	Date	Approved
0	Initial Release		SJF
1	Updated table, was 16 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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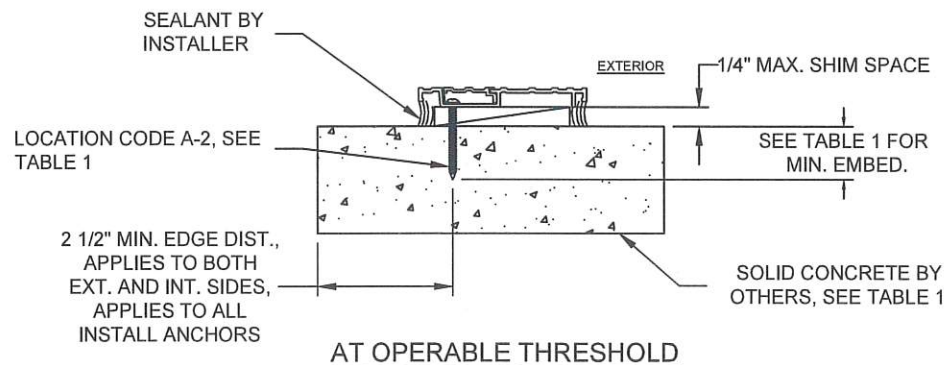
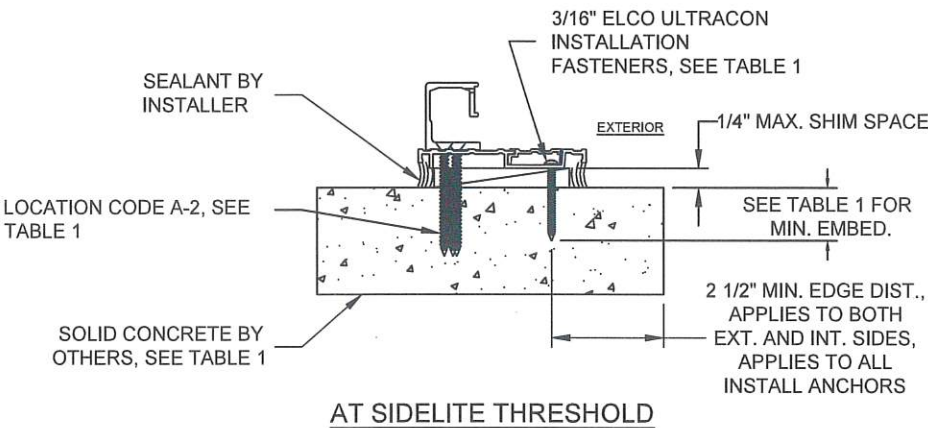
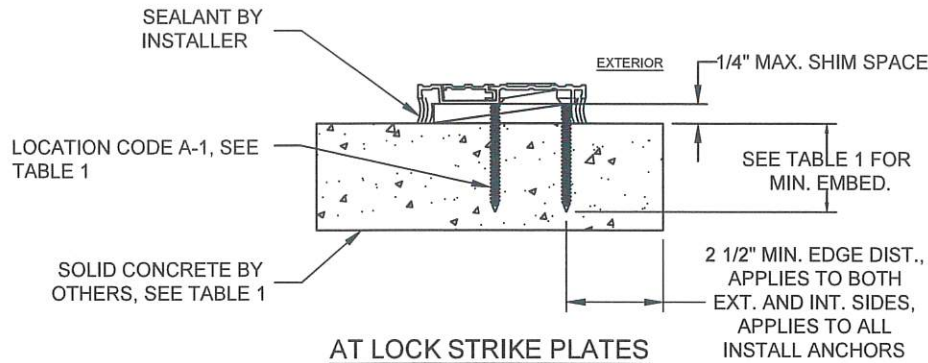
WOLTERS ENGINEERING
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15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982



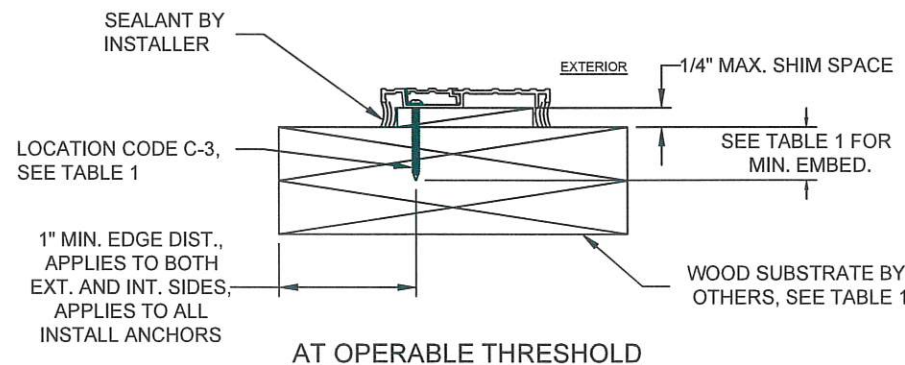
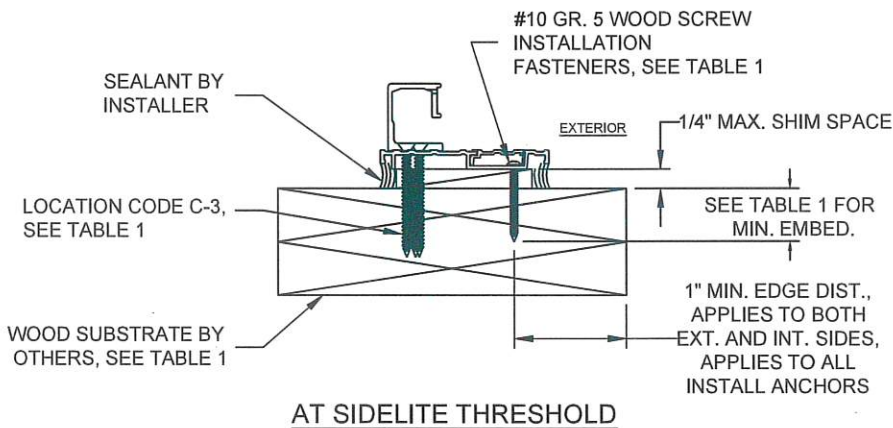
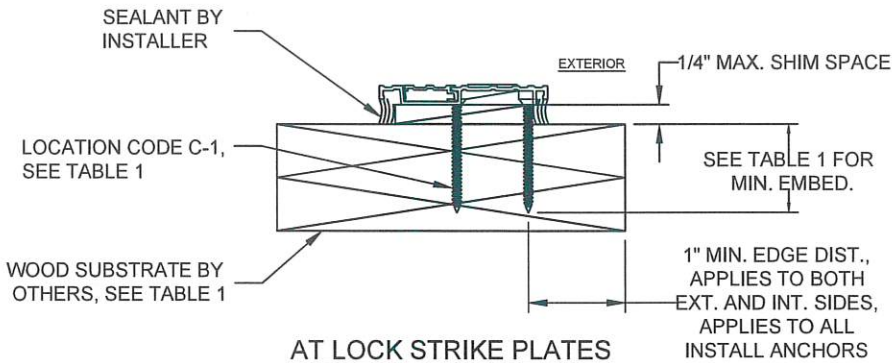
DWG NO.	DDG-1688254-FPA
DRAWN BY	DBN
DATE	10/11/2019
SHEET DESCRIPTION	SHEET NO. 17 OF 21



SILL ANCHOR DETAILS IN CONCRETE



SILL ANCHOR DETAILS IN WOOD

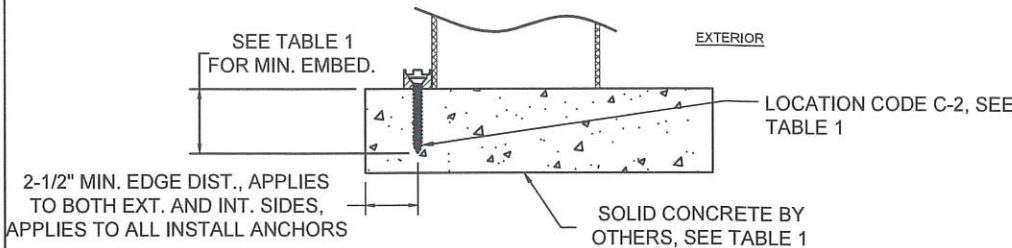


GENERAL ANCHOR NOTES:

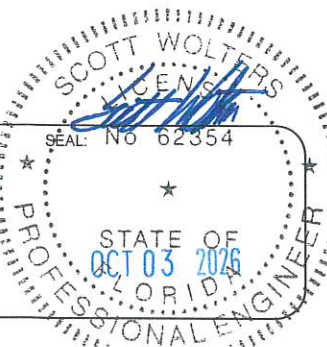
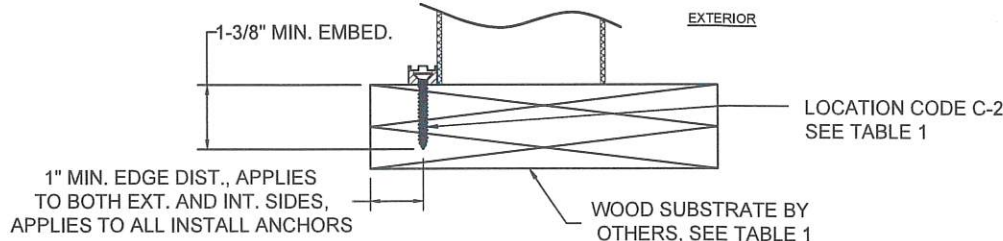
1. INSTALL ANCHORS AS INDICATED IN DETAILS ON SHEETS 2 THRU 13.
2. INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE.
3. 1/4" MAX. SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
4. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO, BY OTHERS. FOR ATTACHMENT TO METAL SUBSTRATES, ENSURE FULL THREAD ENGAGEMENT THROUGH METAL WALL WITH MIN. 3 THREADS BEYOND.
5. IN CMU (AT JAMBS ONLY) ENSURE 3" MIN. ON-CENTER SPACING BETWEEN ANY TWO INSTALLATION ANCHORS IN JAMB ANCHOR CLUSTERS (SEE VERTICAL SECTION DETAILS ON SHEETS 3 AND 4), AND 6" MIN. ON-CENTER ELSEWHERE AT CMU JAMBS. FOR ALL OTHER ANCHOR/SUBSTRATE TYPES (SEE TABLE 1) ENSURE 1 1/2" MIN. ON-CENTER SPACING BETWEEN ANY TWO INSTALLATION ANCHORS.
6. ANCHORS ARE FLATHEAD AT ALL PLATE/STRIKE LOCATIONS AND ROUND/PAN/HEX-WASHER HEAD ELSEWHERE.
7. CONCRETE ANCHORS THAT PENETRATE THE THRESHOLD ONLY ARE 3/16" DIA. ELCO ULTRACONS 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
0	Initial Release		SJF
1	Notes updated, sealing floor plate details added, was 16 pages	9/4/26	SS

SEALING FLOOR PLATE DETAILS IN CONCRETE



SEALING FLOOR PLATE DETAILS IN WOOD



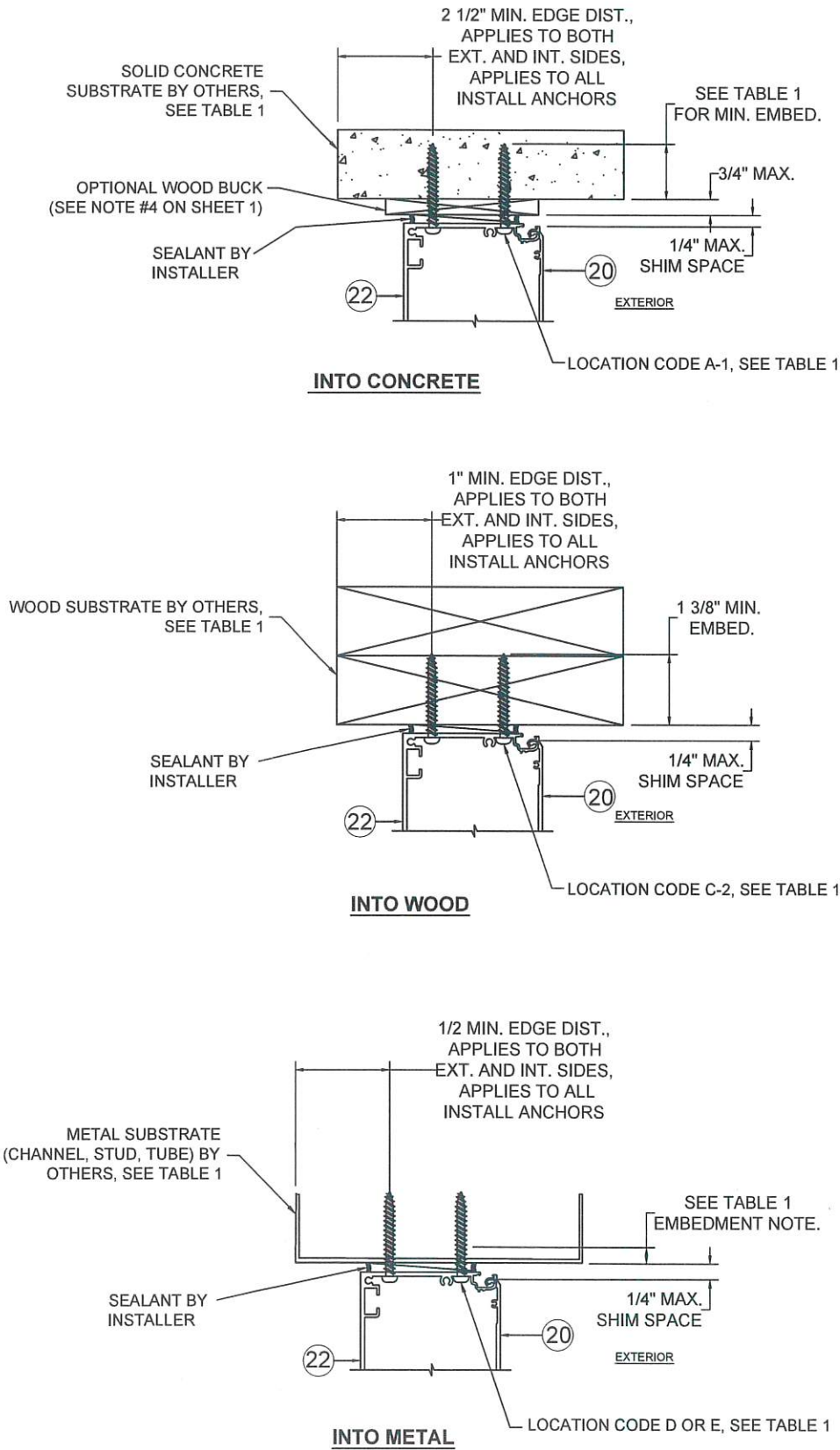
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(COA# 27194)
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WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982

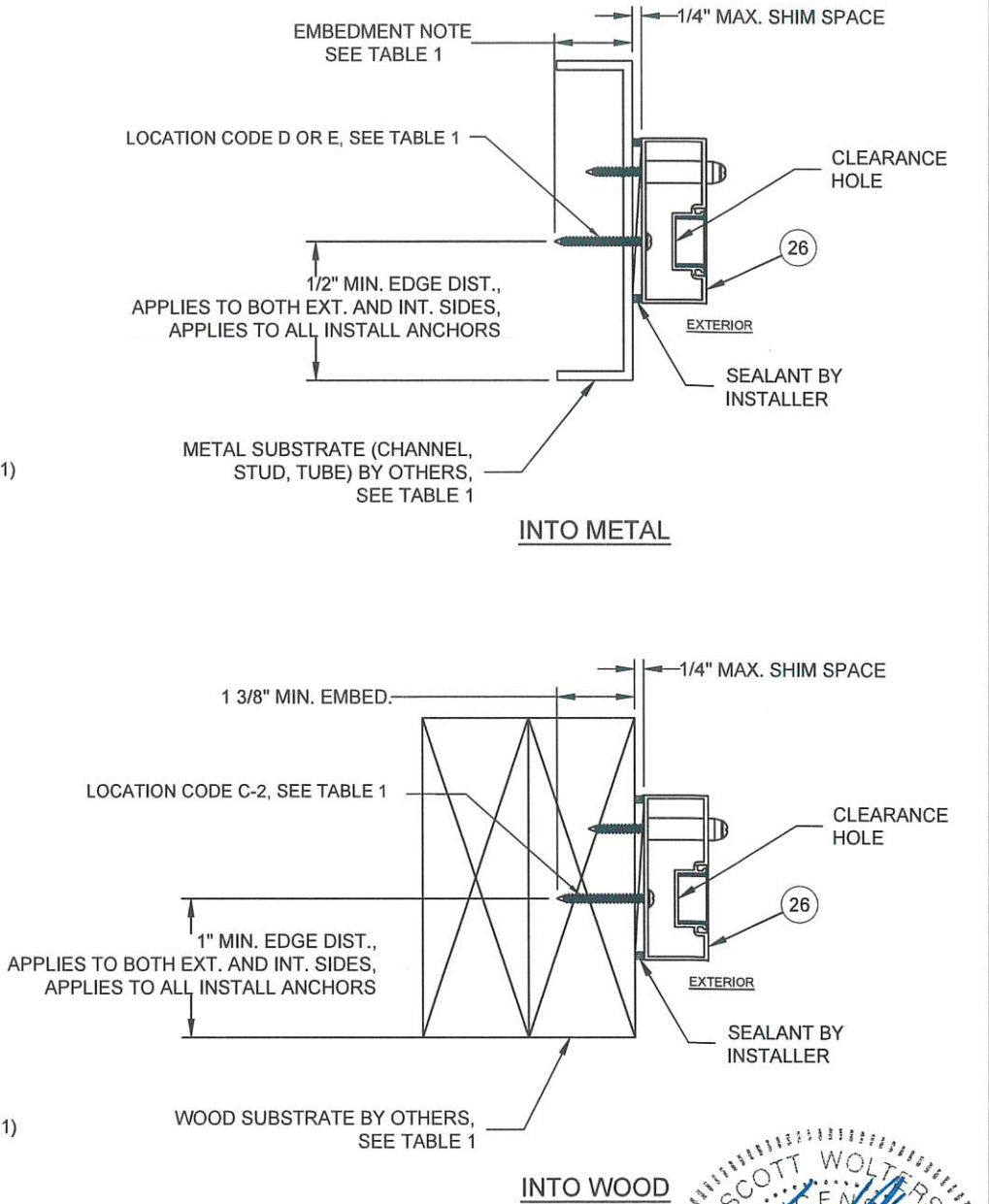
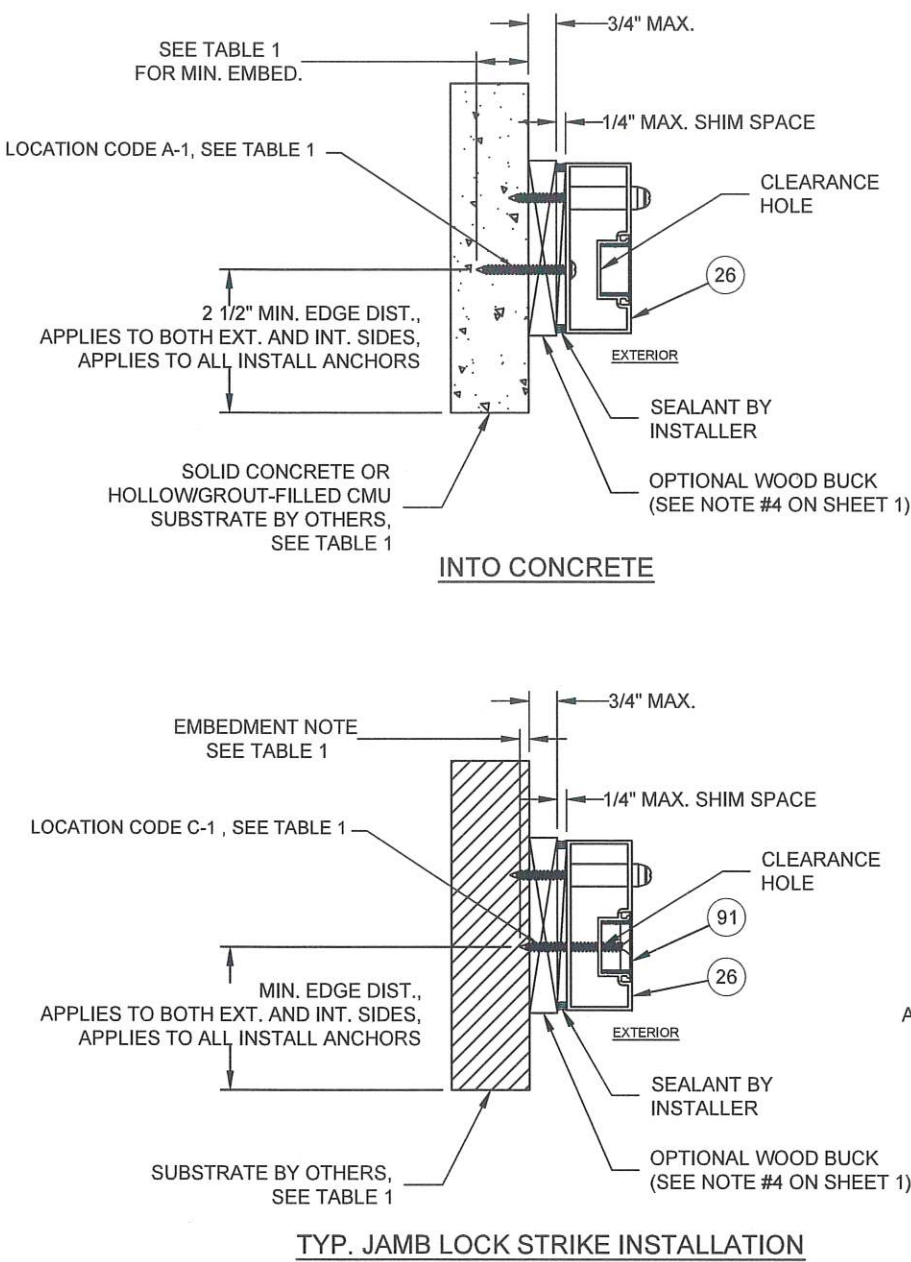
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DRAWN BY	DBN
DATE	10/11/2019
SHEET DESCRIPTION	SHEET NO.
	18 OF 21

Revisions			
Rev	Description	Date	Approved
0	Initial Release		SJF
1	Notes updated, was 16 pages	9/4/26	SS

HEAD ANCHOR DETAILS



JAMB ANCHOR DETAILS



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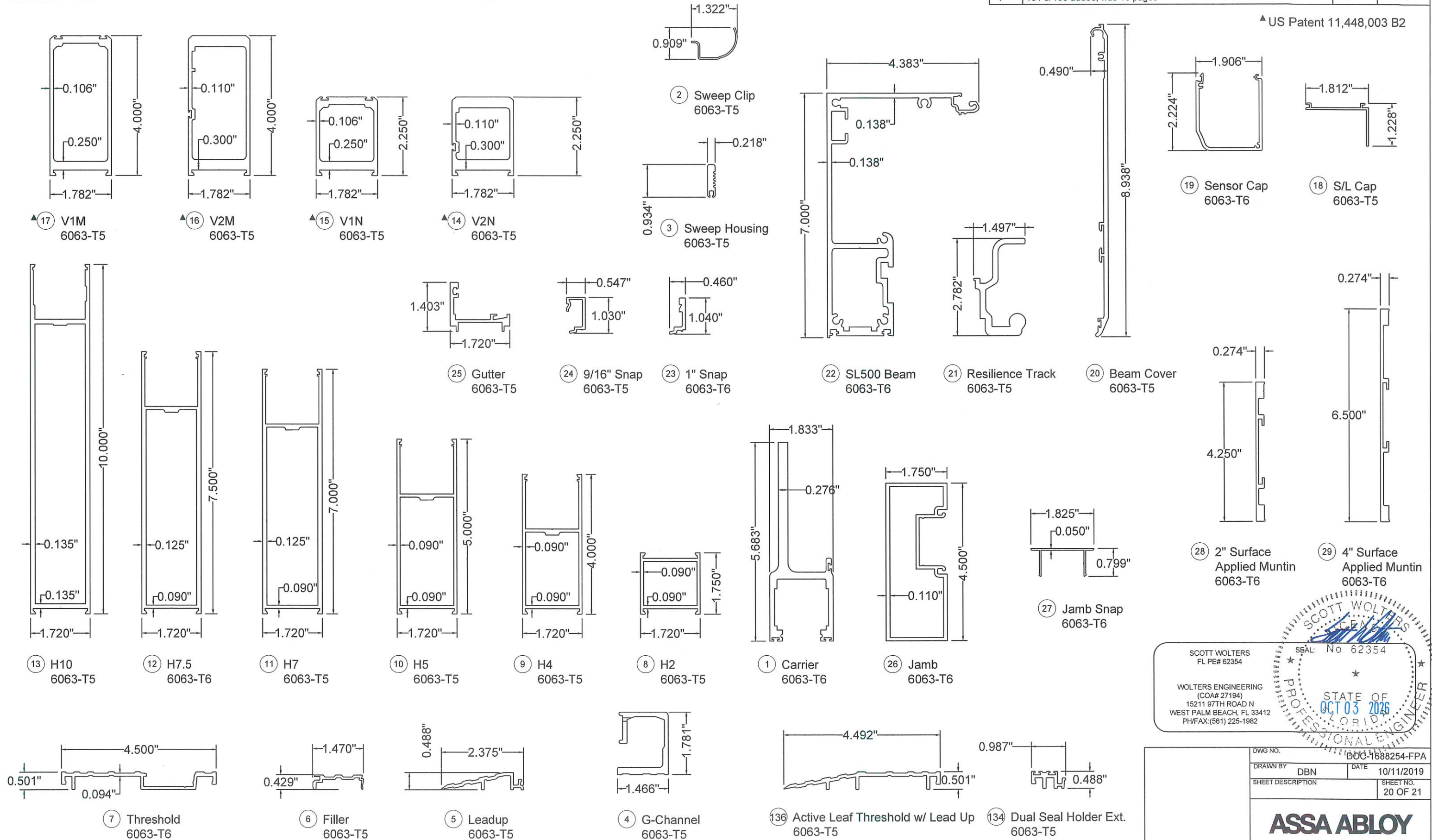
WOLTERS ENGINEERING
(COA# 27194)
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DRAWN BY	DBN
DATE	10/11/2019
SHEET DESCRIPTION	SHEET NO. 19 OF 21

Revisions			
Rev	Description	Date	Approved
0	Initial Release		SJF
1	134 & 136 added, was 16 pages	9/4/26	SS

▲ US Patent 11,448,003 B2



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FL PE# 62354

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(COA# 27194)
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WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982

SEAL: No 62354

STATE OF FLORIDA
OCT 03 2026
PROFESSIONAL ENGINEER

DWG NO. DDC-1688254-FPA	
DRAWN BY DBN	DATE 10/11/2019
SHEET NO. 20 OF 21	

ASSA ABLOY

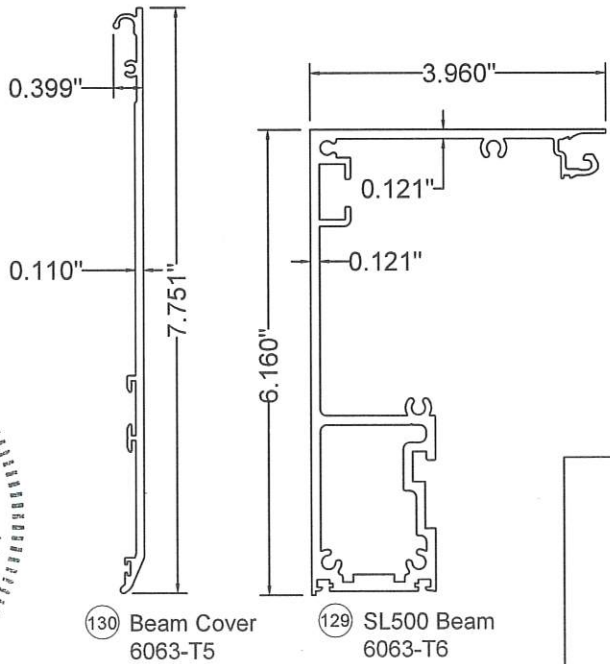
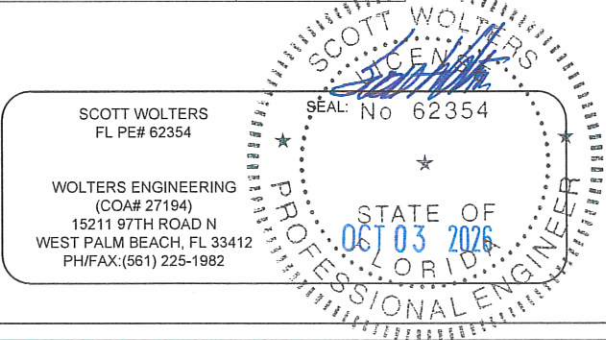


ASSA ABLOY ENTRANCE SYSTEMS
1900 AIRPORT ROAD
MONROE, NC 28110
PHONE: 1-866-237-2687

ASSA ABLOY
SL500 RESILIENCE R104 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
FIXED SIDELITE

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

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



Revisions			
Rev	Description	Date	Approved
0	Initial Release		SJF
1	131-146 added, was 16 pages	9/4/26	SS

POS.	DESCRIPTION	PART NO.
111	XG M6x60mm HHCS	1703666
112	XG M6x115mm HHCS, CL	1703710
113	M6 HEX NUT	04-09-726016
114	XG M6x25mm FHCS, Thread Former, Phillips Drive	1703679
115	Double-sided Tape (Surface Applied Muntin)	1704179
116	Resilience Crash Bar Kit	1017922
117	M6x16mm Trilobe BHCS	1703493
118	#10x1" PPH Tek Screw	70-09-216
119	Screw, HWH, 1/4-14x1"TEK	US09-1294-01
120	M5x8mm BHCS	1703508
121	M6x12mm SHCS BLK Zinc	1703632
122	M6x14mm BHCS	1703471-02
123	#14 x 2.5in BH sheetmetal screw	1703431
124	#10 x 2in PH sheetmetal screw	1703427
125	1/4"-14 x 2" HWH #3 Pt steel self drilling screw	1703633
126	1/4" x 3-1/4" PFH Elco Ultracon Conc. Anchor	1703634
127	3/16" x 1-3/4" HWH Elco Ultracon Conc. Anchor	1703635
128	1/4" x 1-3/4" HWH Elco Ultracon Conc. Anchor	1703636
129	Alternate SL500 Beam	1021586
130	Alternate Beam Cover	1021588
131	Sealing Floor Plate	203-1689438
132	Threshold Sealing Block	203-1689443
133		
134	Dual Seal-Holder Extrusion	EX-1675465
135	T-Seal	US20-1659-01
136	Active Leaf Threshold w/Lead-Up	EX-1675459
137	PSA Arm Install Hardware Kit	203-1595953
138	PSA Arm Adjustment Plate Kit	203-1595959
139	1/4" x 3 1/4" Simpson Titen Turbo HWH 316SS	203-1685803
140	1/4" x 3 1/4" Simpson Titen Turbo PFH 316SS	203-1685805
141	1/4" - 14 x 2" Dewalt Bi-Flex HWH Self Drilling	203-1685806
142	#14 x 2.5" PH 316SS Sheet Metal Screw	203-1685810
143	#10 x 2.5 PH 316SS Sheet Metal Screw	203-1685811
144	#14 x 3" FH 316SS Sheet Metal Screw	203-1685812
145	FSL Narrow Stile Air Infiltration Block	203-1689479
146	FSL Medium Stile Air Infiltration Block	203-1689485
147	#14 x 4" RH 316SS Sheet Metal Screw	203-1687061

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DRAWN BY	DBN	DATE	10/11/2019
SHEET DESCRIPTION		SHEET NO. 21 of 21	

