

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 IMPACT RESISTANT, AND DOES NOT REQUIRE SHUTTERS IN WINDBORNE DEBRIS REGIONS. GLASS TYPE 4 IS NOT IMPACT RESISTANT, IMPACT RESISTANT SHUTTERS ARE REQUIRED IN WINDBORNE DEBRIS REGIONS.
2. MAX. DESIGN PRESSURES ARE LISTED ON SHEET 4.
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 17.
5. 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.
6. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS.
7. THE 4/3 INCREASE IN ALLOWABLE STRESS FOR SHORT-TERM LOADING HAS NOT BEEN USED IN THE DESIGN OF THIS SYSTEM. THE 1.6 Cd FACTOR HAS BEEN USED IN THE ANALYSIS OF WOOD SCREWS ONLY.
8. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT GALVANIC REACTIONS IN ACCORDANCE WITH FBC CHAPTERS 20 AND 23.

SYSTEM NOTES:

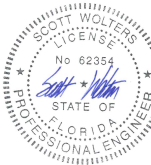
1. ALL ALUMINUM PARTS SHALL BE 6063-T5 ALUMINUM ALLOY AND TEMPER, UNLESS OTHERWISE NOTED.
2. FOR GLAZING DETAILS, SEE SHEET 5.
3. THE GLAZING MATERIALS IN BOTH FIXED AND SLIDING PANELS OF ALL SLIDING DOORS MUST COMPLY WITH THE REQUIREMENTS IN THE PERFORMANCE SPECIFICATIONS AND METHODS OF TEST FOR SAFETY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

CORNER CONSTRUCTION:

5. FRAME CORNERS ARE SQUARE CUT AND MECHANICALLY FASTENED AT THE HEAD WITH M6x30 SCREWS USING A BEAM END PLATE (SEE SHEET 16),
6. PANEL CORNERS ARE SQUARE CUT AND MECHANICALLY FASTENED AT EACH CORNER USING ANTI-TWIST BRACKETS, THEN REINFORCED WITH (2) FULL WIDTH 3/8" THREADED TIE IN THE TOP AND BOTTOM RAILS.

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

Sheet	Description
1	General Notes, Corner Construction
2	Bi-Part Elevation, Jamb Anchoring Locations
3	Single Slide Elevation, Jamb Anchoring Locations
4	Design Pressure Charts
5	Glazing Details
6	Bi-Part Section Views
7	Bi-Part Head and Sill Anchoring Locations
8	Bi-Part Section Views - Water Infiltration
9	Bi-Part Head and Sill Anchoring Locations - Water Infiltration
10	Single Slide Section Views
11	Single Slide Head and Sill Anchoring Locations
12	Single Slide Section Views - Water Infiltration
13	Single Slide Head and Sill Anchoring Locations - Water Infiltration
14	Door Connections and Head Section Views
15	Locking Details, Muntin Details
16	Frame Connection Details
17	Installation Anchor Table
18	Threshold Anchoring Details
19	Head and Jamb Anchoring Details
20	Profiles
21	Bill of Materials, Sheet 1 of 2
22	Bill of Materials, Sheet 2 of 2



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by Scott Wolters
Date: 2026.10.04
19:08:40 -04'00'

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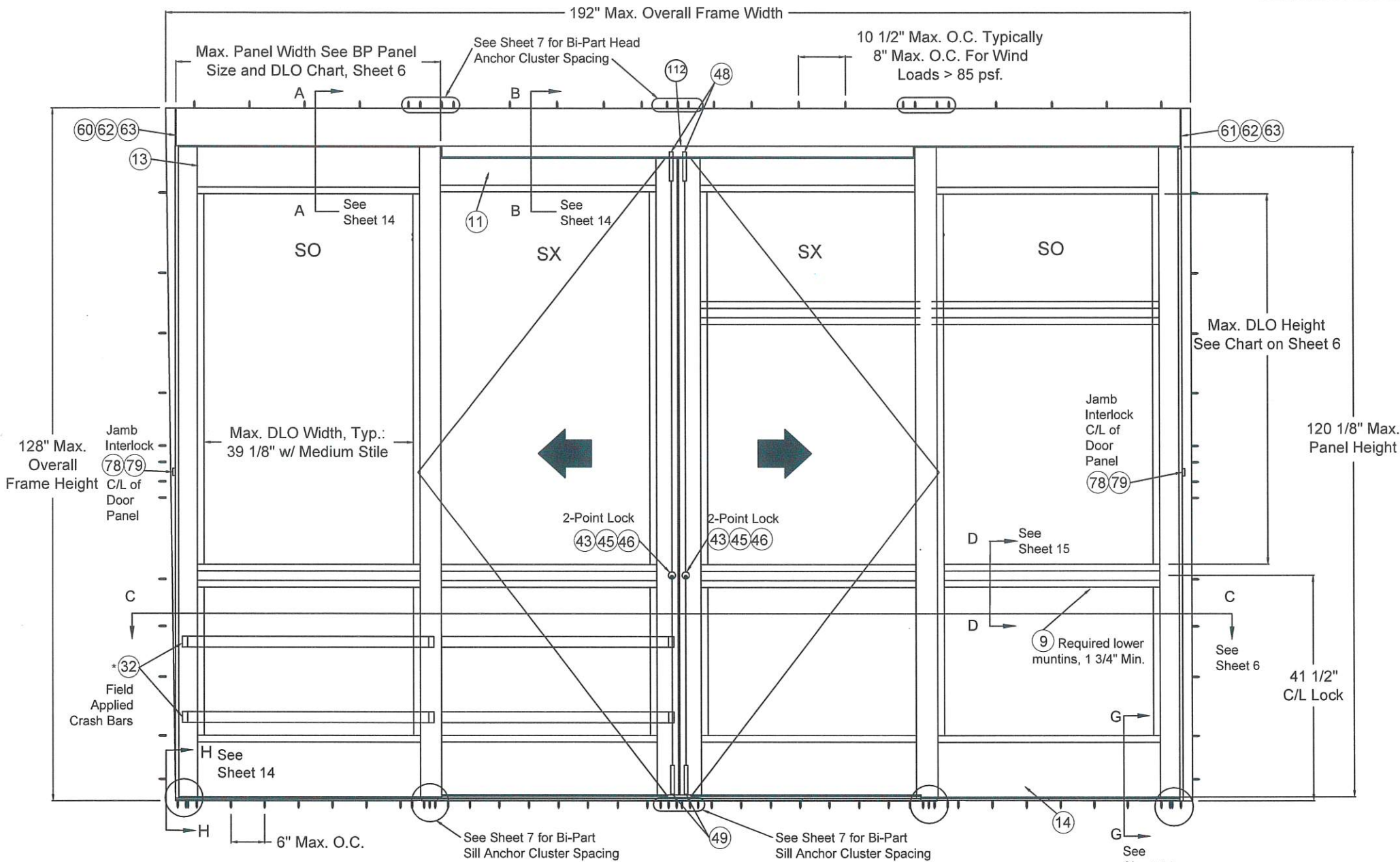
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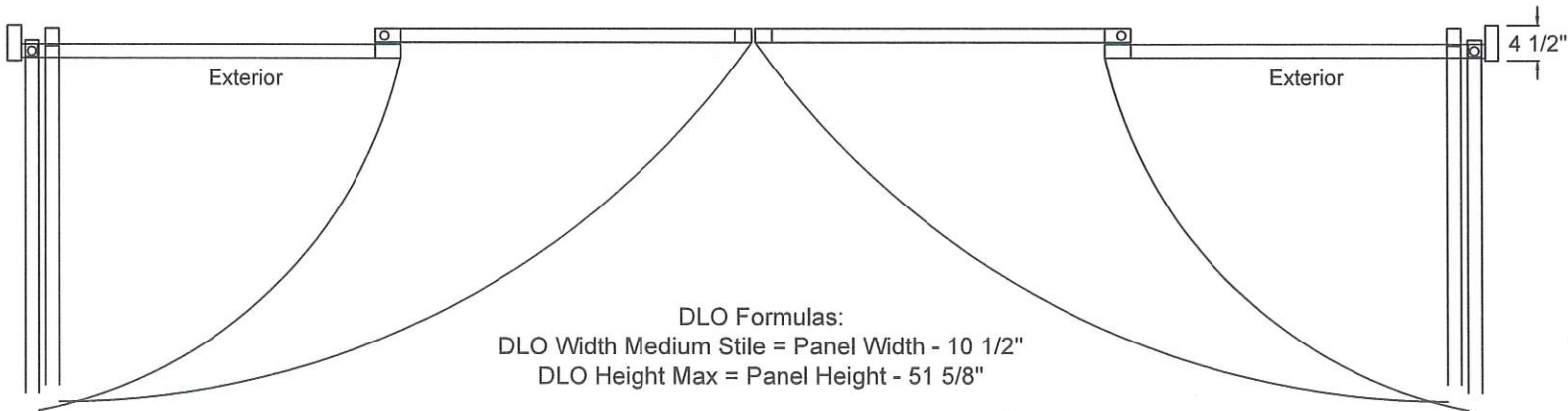
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Revisions			
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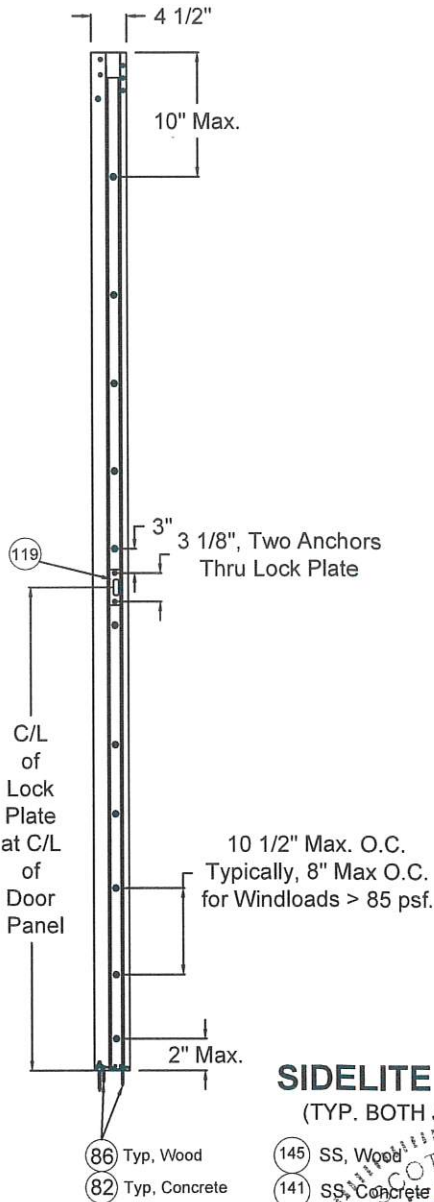


BP FBO (4 Panels Bi-Part Full Breakout)



DLO Formulas:
DLO Width Medium Stile = Panel Width - 10 1/2"
DLO Height Max = Panel Height - 51 5/8"

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



SIDELITE JAMB
(TYP. BOTH JAMBS)

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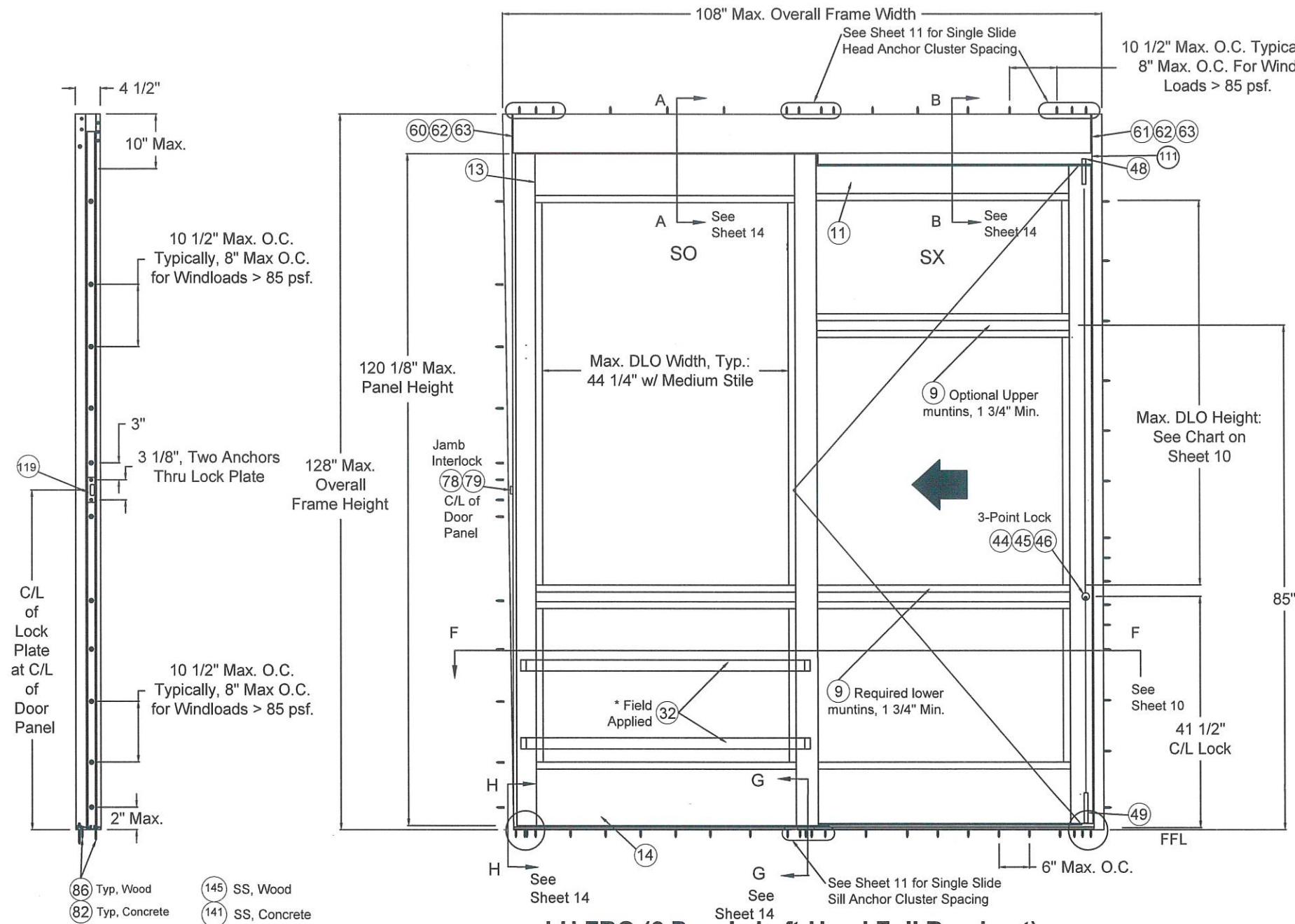
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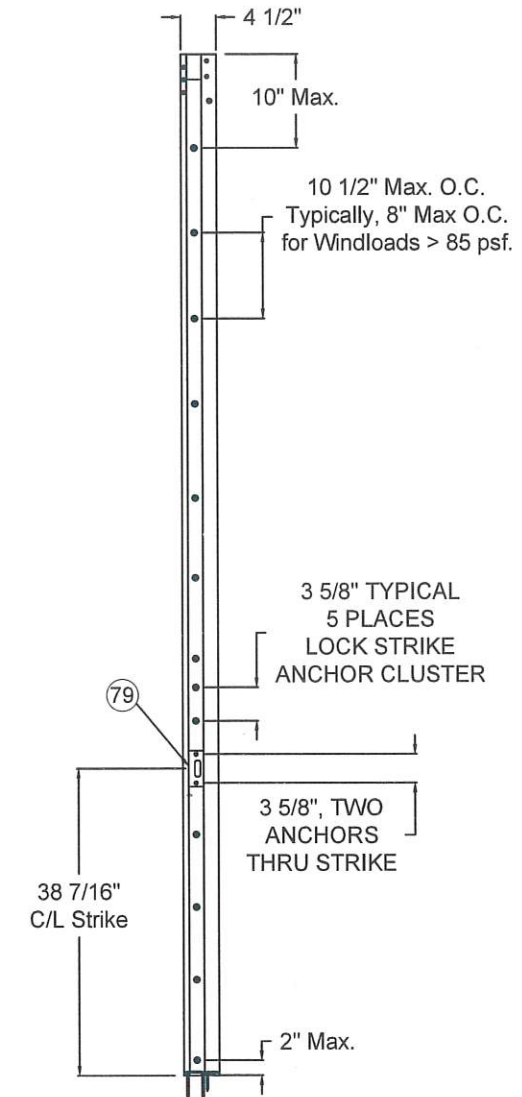
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SIDELITE JAMB

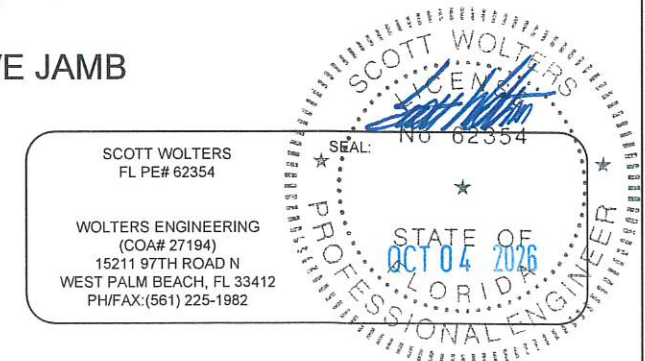
LH FBO (2 Panels Left-Hand Full Breakout)



ACTIVE JAMB

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

DLO Formulas:
DLO Width Narrow Stile = Panel Width - 7"
DLO Width Medium Stile = Panel Width - 10 1/2"
DLO Height Max = Panel Height - 51 5/8"



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ASSA ABLOY ENTRANCE SYSTEMS
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ASSA ABLOY
SL500 RESILIENCE R128 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING

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Single Slide Design Pressures:

MAX DESIGN PRESSURE FOR GLASS TYPE 4 (NON-IMPACT) SINGLE SLIDE - NARROW STILE WITH 3-POINT LOCK						MAX DESIGN PRESSURE FOR GLASS TYPE 4 (NON-IMPACT) SINGLE SLIDE - MEDIUM STILE WITH 3-POINT LOCK					
FRAME HEIGHT (in)	FRAME WIDTH (in)	MAX DESIGN PRESSURE +/- (psf)	FRAME HEIGHT (in)	FRAME WIDTH (in)	MAX DESIGN PRESSURE +/- (psf)	FRAME HEIGHT (in)	FRAME WIDTH (in)	MAX DESIGN PRESSURE +/- (psf)	FRAME HEIGHT (in)	FRAME WIDTH (in)	MAX DESIGN PRESSURE +/- (psf)
104	80	114.8	119	80	84.3	104	80	116.3	119	80	101.6
104	84	109.3	119	84	82.3	104	84	110.8	119	84	96.8
104	88	104.3	119	88	76.6	104	88	105.7	119	88	92.4
104	92	99.8	119	92	73.3	104	92	101.1	119	92	88.4
104	96	95.6	119	96	70.2	104	96	96.9	119	96	84.7
104	100	91.8	119	100	67.4	104	100	93.0	119	100	81.3
104	104	88.3	119	104	64.8	104	104	89.5	119	104	78.2
104	108	85.0	119	108	62.4	104	108	86.2	119	108	75.3
108	80	106.6	122	80	78.2	108	80	112.0	122	80	99.1
108	84	101.5	122	84	74.5	108	84	106.7	122	84	94.4
108	88	96.9	122	88	71.1	108	88	101.8	122	88	90.1
108	92	92.7	122	92	68.0	108	92	97.4	122	92	86.2
108	96	88.9	122	96	65.2	108	96	93.3	122	96	82.6
108	100	85.3	122	100	62.6	108	100	89.6	122	100	79.3
108	104	82.0	122	104	60.1	108	104	86.2	122	104	76.3
108	108	79.0	122	108	57.9	108	108	83.0	122	108	73.4
112	80	98.5	125	80	72.1	112	80	108.0	125	80	96.8
112	84	93.8	125	84	68.7	112	84	102.9	125	84	92.2
112	88	89.5	125	88	65.5	112	88	98.2	125	88	88.0
112	92	85.6	125	92	62.7	112	92	93.9	125	92	84.1
112	96	82.1	125	96	60.1	112	96	90.0	125	96	80.6
112	100	78.8	125	100	57.7	112	100	86.4	125	100	77.4
112	104	75.8	125	104	55.5	112	104	83.1	125	104	74.4
112	108	73.0	125	108	53.4	112	108	80.0	125	108	71.7
116	80	90.4	128	80	66.0	116	80	104.3	128	80	94.5
116	84	86.1	128	84	62.9	116	84	99.3	128	84	90.0
116	88	82.2	128	88	60.0	116	88	94.8	128	88	85.9
116	92	78.6	128	92	57.4	116	92	90.7	128	92	82.2
116	96	75.3	128	96	55.0	116	96	86.9	128	96	78.8
116	100	72.3	128	100	52.8	116	100	83.4	128	100	75.6
116	104	69.5	128	104	50.8	116	104	80.2	128	104	72.7
116	108	66.9	128	108	48.9	116	108	77.2	128	108	70.0

Bi-Parting Design Pressures:

MAX DESIGN PRESSURE FOR GLASS TYPE 1 (LMI LEVEL D) BI-PARTING - MEDIUM STILE WITH 4-POINT LOCK						MAX DESIGN PRESSURE FOR GLASS TYPE 4 (NON-IMPACT) BI-PARTING - NARROW OR MEDIUM STILE WITH 4-POINT LOCK					
FRAME HEIGHT (in)	FRAME WIDTH (in)	MAX DESIGN PRESSURE + (psf)	FRAME HEIGHT (in)	FRAME WIDTH (in)	MAX DESIGN PRESSURE +/- (psf)	FRAME HEIGHT (in)	FRAME WIDTH (in)	MAX DESIGN PRESSURE +/- (psf)	FRAME HEIGHT (in)	FRAME WIDTH (in)	MAX DESIGN PRESSURE +/- (psf)
104	120	99.5	119	120	87.8	104	120	112.0	119	120	97.0
104	132	96.3	119	132	84.5	104	132	101.8	119	132	88.2
104	144	93.0	119	144	81.0	104	144	93.3	119	144	80.8
104	156	89.8	119	156	77.7	104	156	86.2	119	156	74.6
104	168	86.5	119	168	74.3	104	168	80.0	119	168	69.3
104	180	83.3	119	180	70.9	104	180	74.7	119	180	64.7
104	192	80.0	119	192	67.5	104	192	70.0	119	192	60.6
108	120	96.4	122	120	85.5	108	120	108.0	122	120	94.0
108	132	93.1	122	132	82.1	108	132	98.2	122	132	85.5
108	144	89.8	122	144	78.7	108	144	90.0	122	144	78.3
108	156	86.6	122	156	75.2	108	156	83.1	122	156	72.3
108	168	83.3	122	168	71.8	108	168	77.1	122	168	67.1
108	180	80.0	122	180	68.4	108	180	72.0	122	180	62.7
108	192	76.7	122	192	65.0	108	192	67.5	122	192	58.8
112	120	93.3	125	120	83.1	112	120	104.0	125	120	91.0
112	132	91.1	125	132	79.7	112	132	94.5	125	132	82.7
112	144	88.9	125	144	76.2	112	144	86.7	125	144	75.8
112	156	86.7	125	156	72.8	112	156	80.0	125	156	70.0
112	168	84.6	125	168	69.4	112	168	74.3	125	168	65.0
112	180	82.4	125	180	65.9	112	180	69.3	125	180	60.7
112	192	80.2	125	192	62.5	112	192	65.0	125	192	56.9
116	120	90.2	128	120	60.0	116	120	100.0	128	120	88.0
116	132	86.8	128	132	60.0	116	132	90.9	128	132	80.0
116	144	83.5	128	144	60.0	116	144	83.3	128	144	73.3
116	156	80.1	128	156	60.0	116	156	76.9	128	156	67.7
116	168	76.7	128	168	60.0	116	168	71.4	128	168	62.9
116	180	73.4	128	180	60.0	116	180	66.7	128	180	58.7
116	192	70.0	128	192	60.0	116	192	62.5	128	192	55.0

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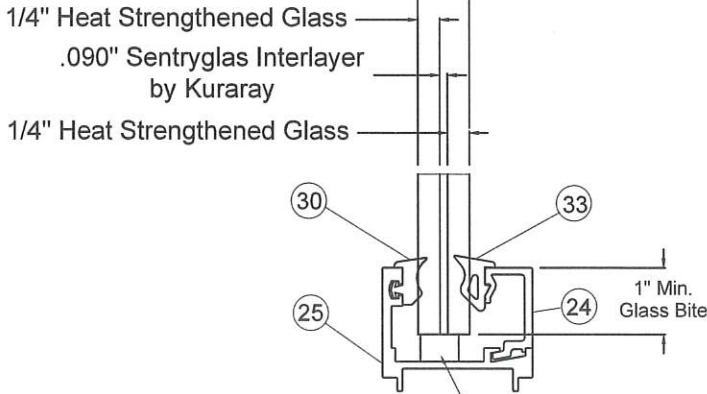
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Glass Type 1
9/16" LAMINATED GLASS

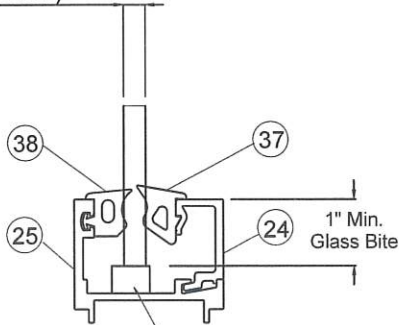
9/16" Laminated 'D' Impact Glass
(.590" actual)



LEVEL D LARGE
AND SMALL MISSILE IMPACT

Glass Type 4
1/4" TEMPERED GLASS

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



NON-IMPACT

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

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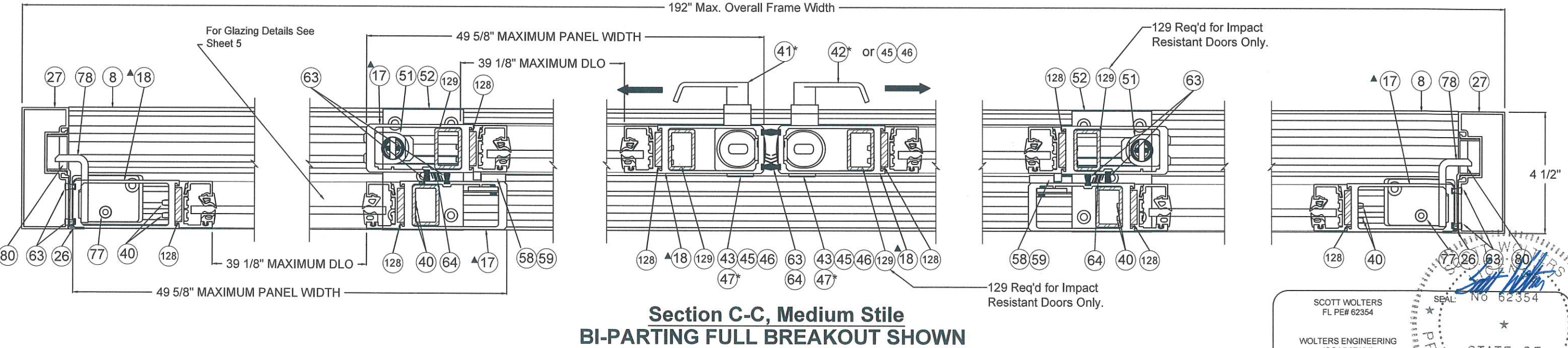
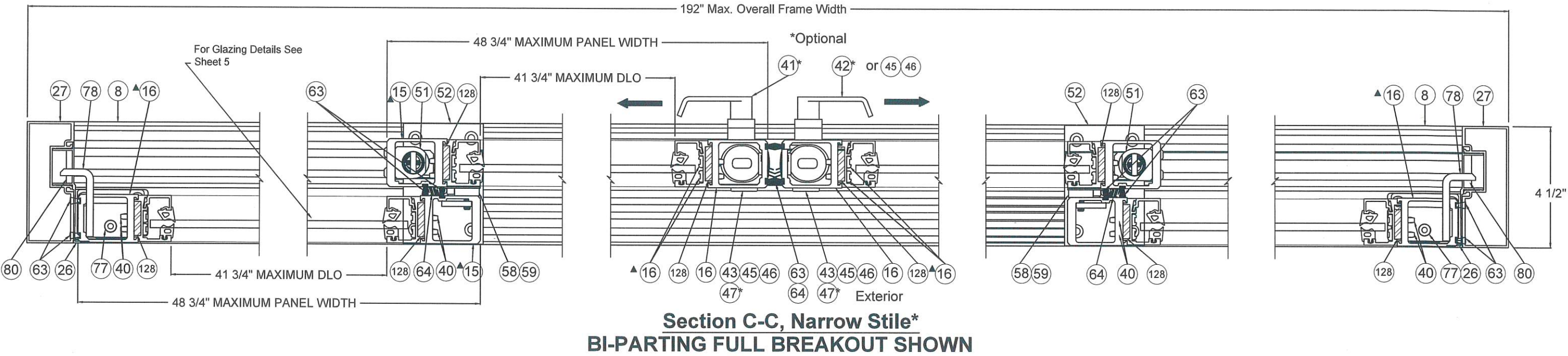


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BASE PACKAGE

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BP Panel Size and Daylight Opening Chart		
Door Stile	Maximum Panel Width	Maximum DLO Width
Narrow*	48 3/4"	41 3/4"
Medium	49 5/8"	39 1/8"
Lower Muntin		Maximum DLO Height
1-3/4"		68 1/2"

* NARROW STILES ARE APPROVED FOR NON-IMPACT RESISTANT APPLICATIONS ONLY.

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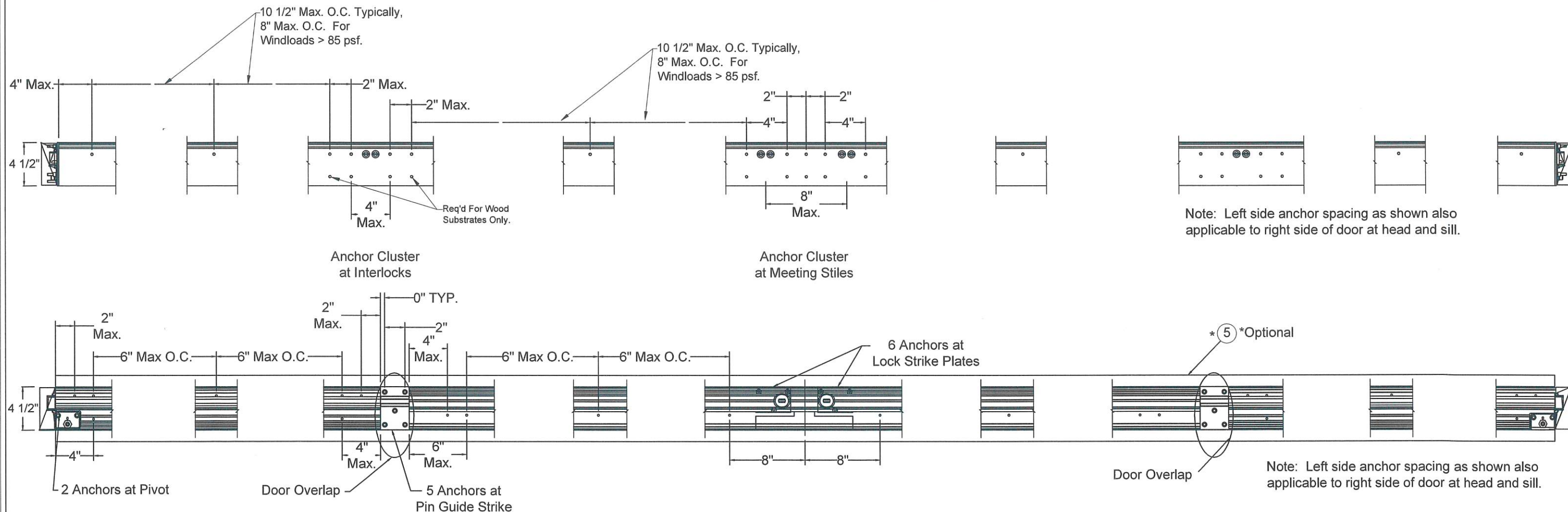
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BI-PART HEAD ANCHOR LOCATIONS

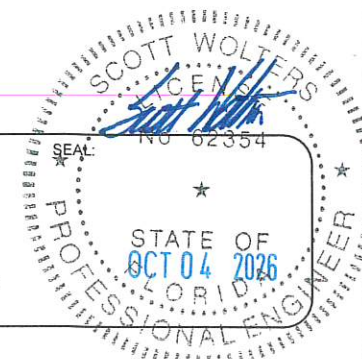


BI-PART SILL ANCHOR LOCATIONS

BP Panel Size and Daylight Opening Chart		
Door Stile	Maximum Panel Width	Maximum DLO Width
Medium	49 5/8"	39 1/8"
Lower Muntin		Maximum DLO Height
1-3/4"		68 1/2"

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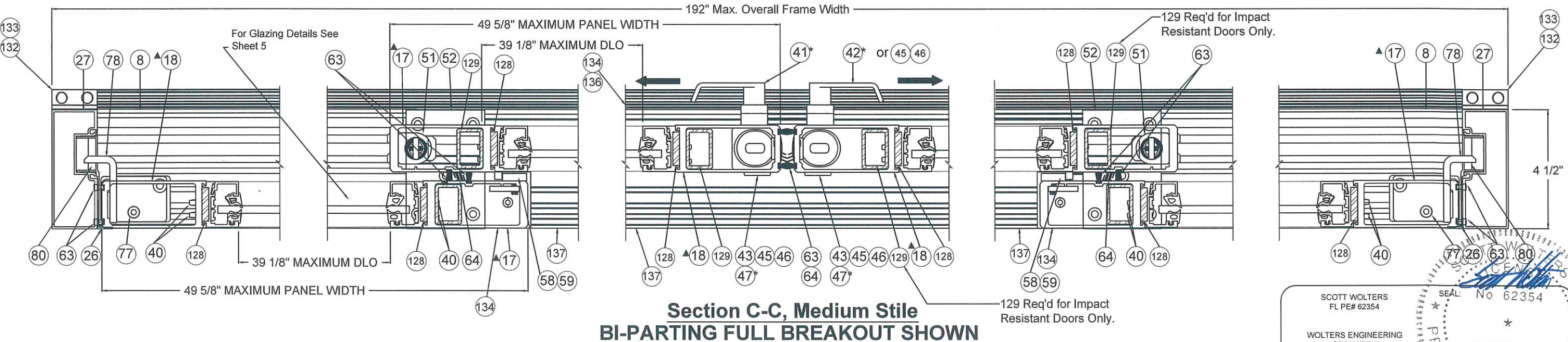
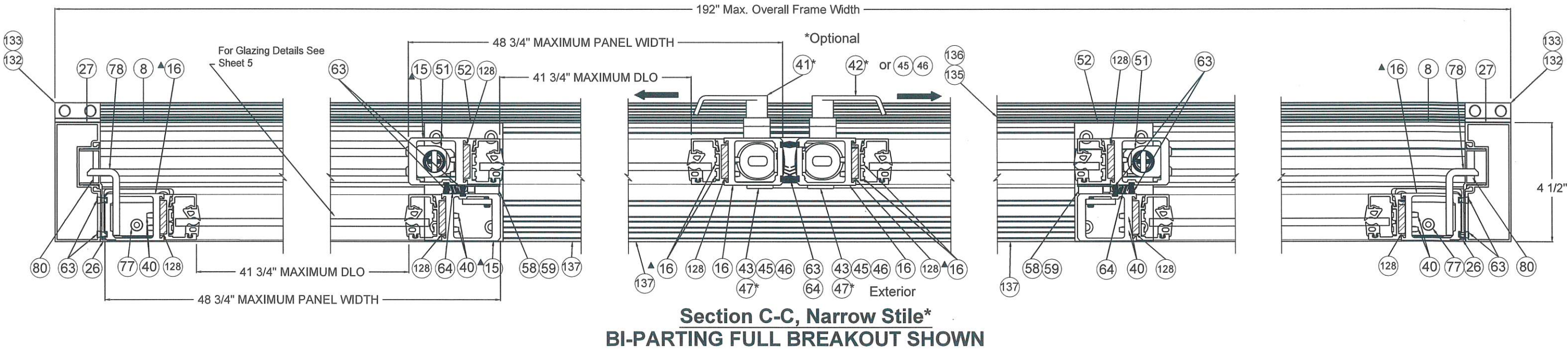
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BP Panel Size and Daylight Opening Chart		
Door Stile	Maximum Panel Width	Maximum DLO Width
Narrow*	48 3/4"	41 3/4"
Medium	49 5/8"	39 1/8"
Lower Muntin		Maximum DLO Height
1-3/4"		68 1/2"

* NARROW STILES ARE APPROVED FOR NON-IMPACT RESISTANT APPLICATIONS ONLY.

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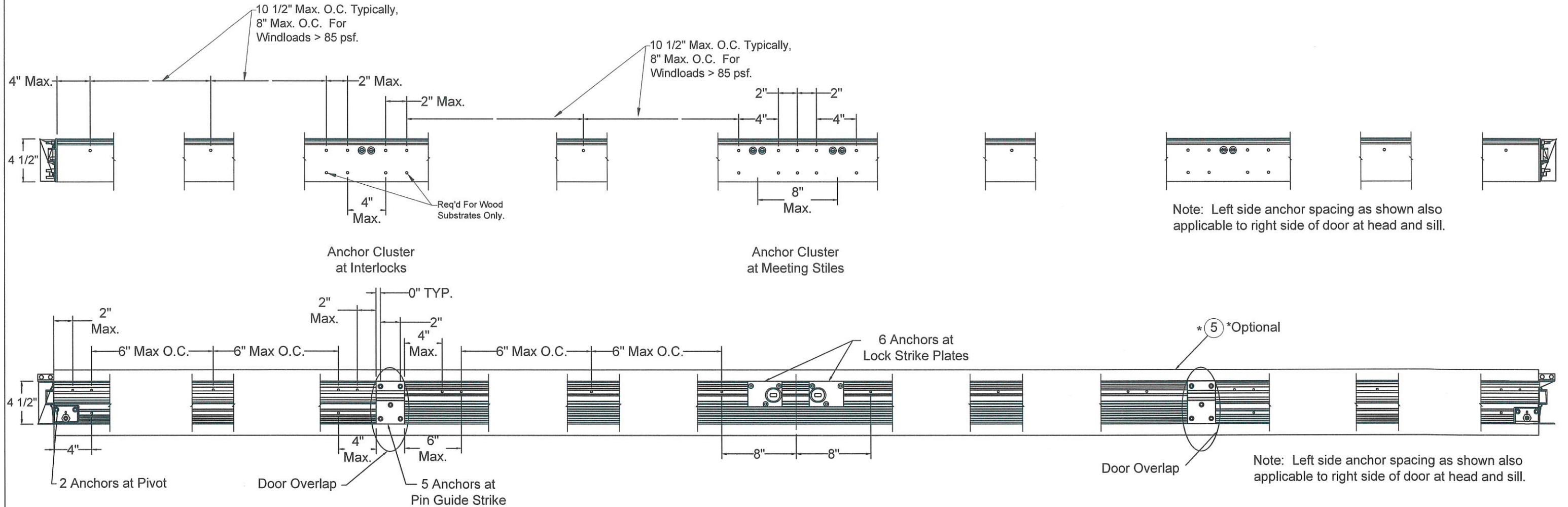
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BASE PACKAGE WITH LWI OPTION

BI-PART HEAD ANCHOR LOCATIONS



BI-PART SILL ANCHOR LOCATIONS

Applicable to Narrow or Medium Stile Doors

BP Panel Size and Daylight Opening Chart		
Door Stile	Maximum Panel Width	Maximum DLO Width
Medium	49 5/8"	39 1/8"
Lower Muntin		Maximum DLO Height
1-3/4"		68 1/2"

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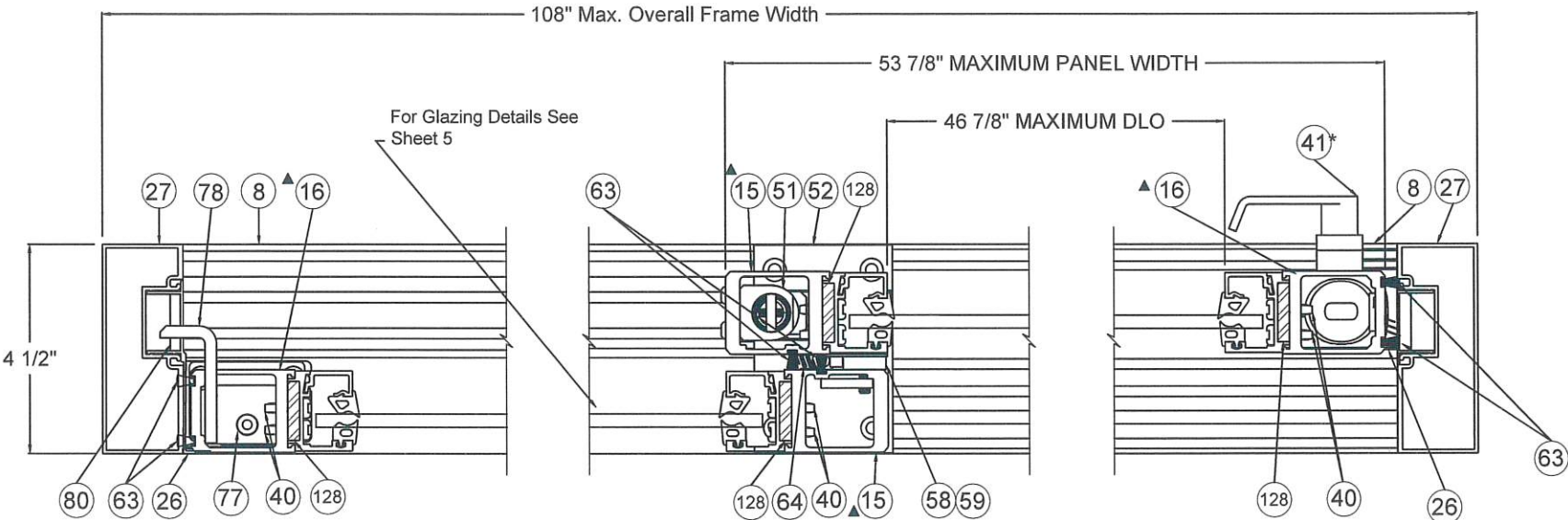
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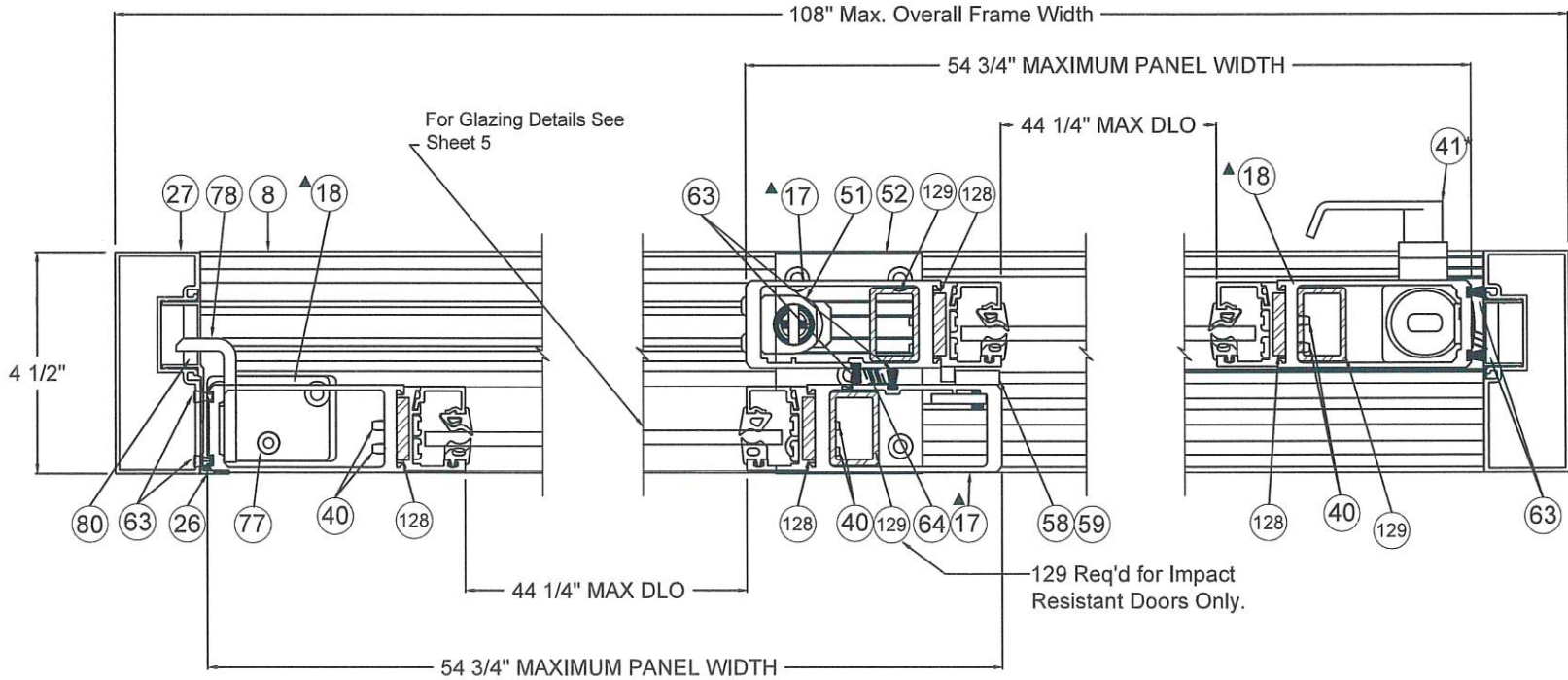
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Section F-F, Narrow* Stile
SINGLE SLIDE FULL BREAKOUT SHOWN



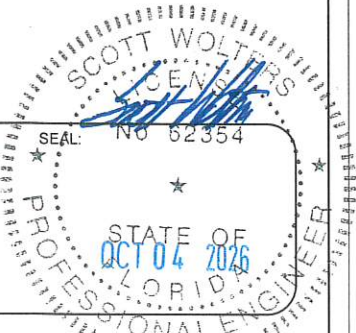
Section F-F, Medium Stile
SINGLE SLIDE FULL BREAKOUT SHOWN

Single Slide Panel Size and Daylight Opening Chart		
Door Stile	Maximum Panel Width	Maximum DLO Width
Narrow*	53 7/8"	46 7/8"
Medium	54 3/4"	44 1/4"
Lower Muntin		Maximum DLO Height
1-3/4"		68 1/2"

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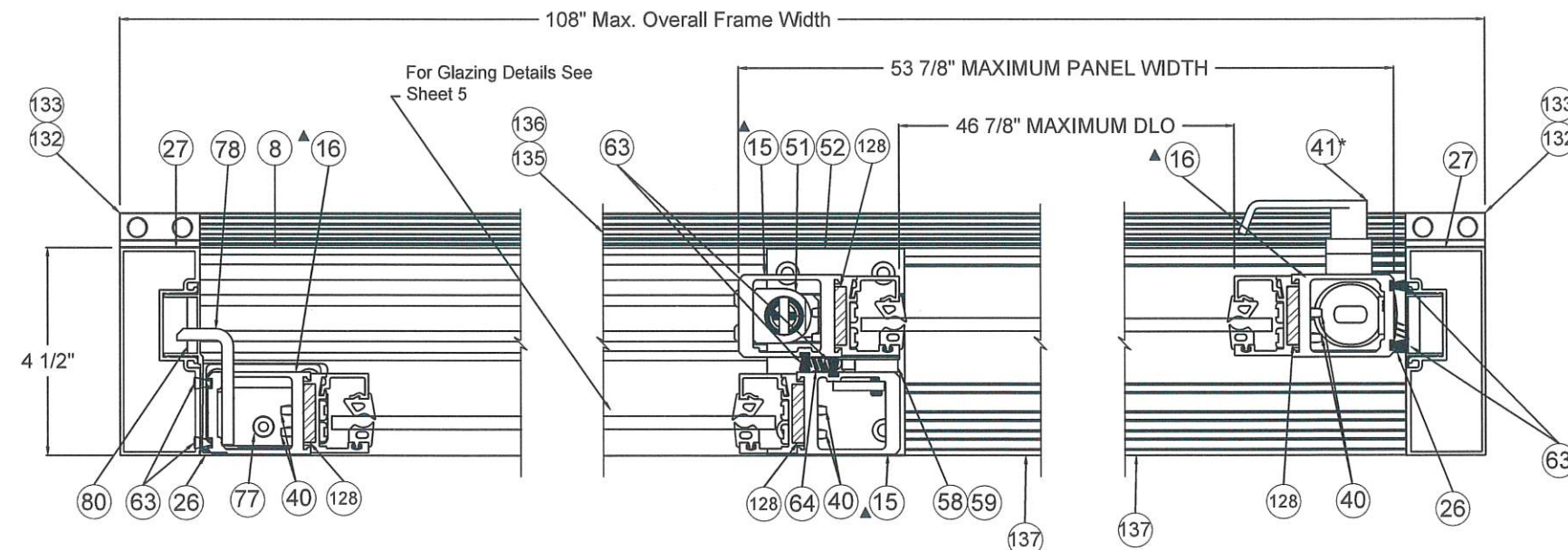
DWG NO.	DOC1688256-FPA		
DRAWN BY	SJF	DATE	12/16/2019
SHEET DESCRIPTION		SHEET NO.	10 OF 22

ASSA ABLOY

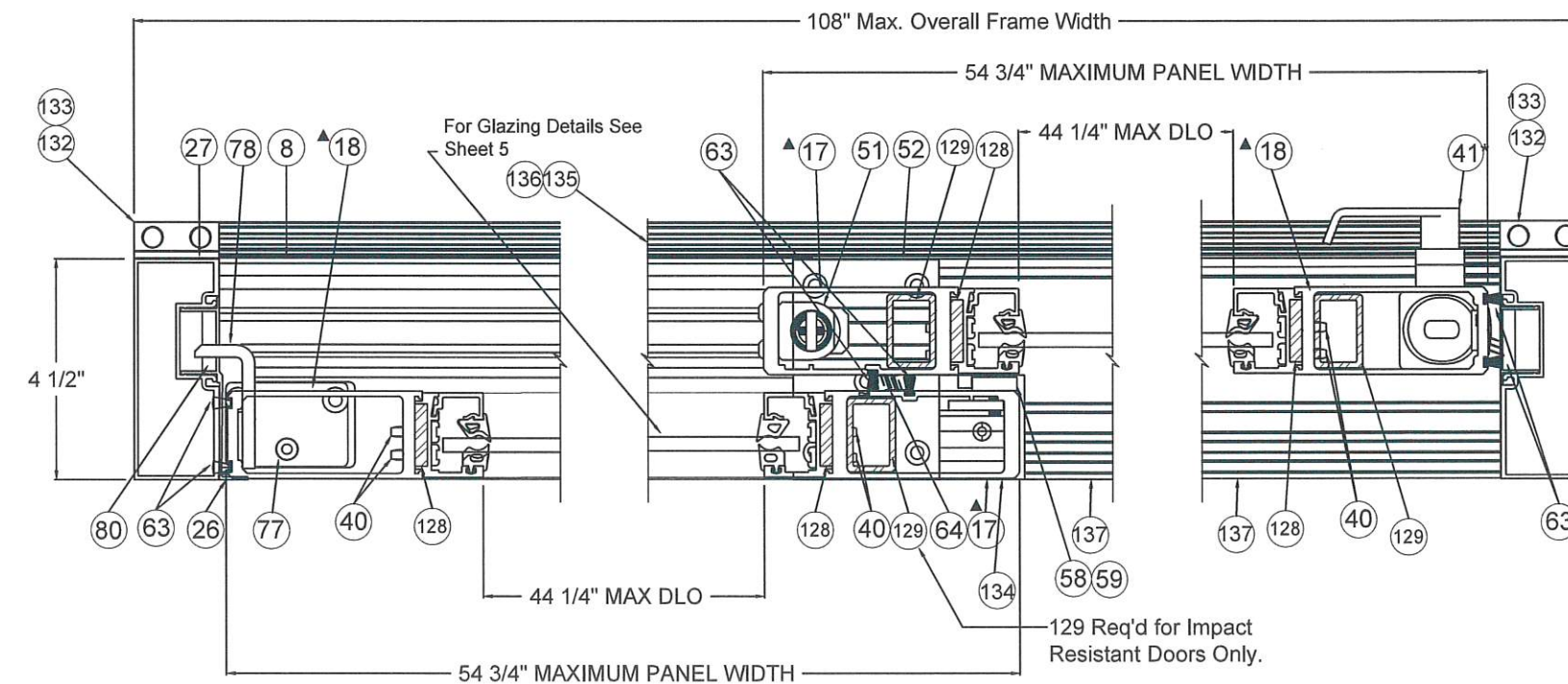
Revisions			
Rev	Description	Date	Approved
0	Initial Release		SJF
1	New option, was 17 pages	9/4/26	SS

▲ US Patent 11,448,003 B2

BASE PACKAGE WITH LWI OPTION



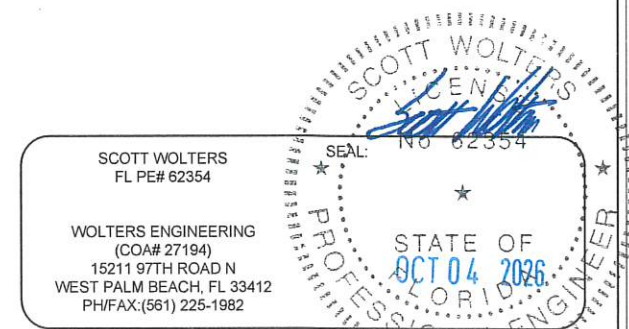
Section F-F, Narrow* Stile
SINGLE SLIDE FULL BREAKOUT SHOWN



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

* NARROW STILES ARE APPROVED
FOR NON-IMPACT RESISTANT
APPLICATIONS ONLY.

Single Slide Panel Size and Daylight Opening Chart		
Door Stile	Maximum Panel Width	Maximum DLO Width
Narrow*	53 7/8"	46 7/8"
Medium	54 3/4"	44 1/4"
Lower Muntin		Maximum DLO Height
1-3/4"		68 1/2"

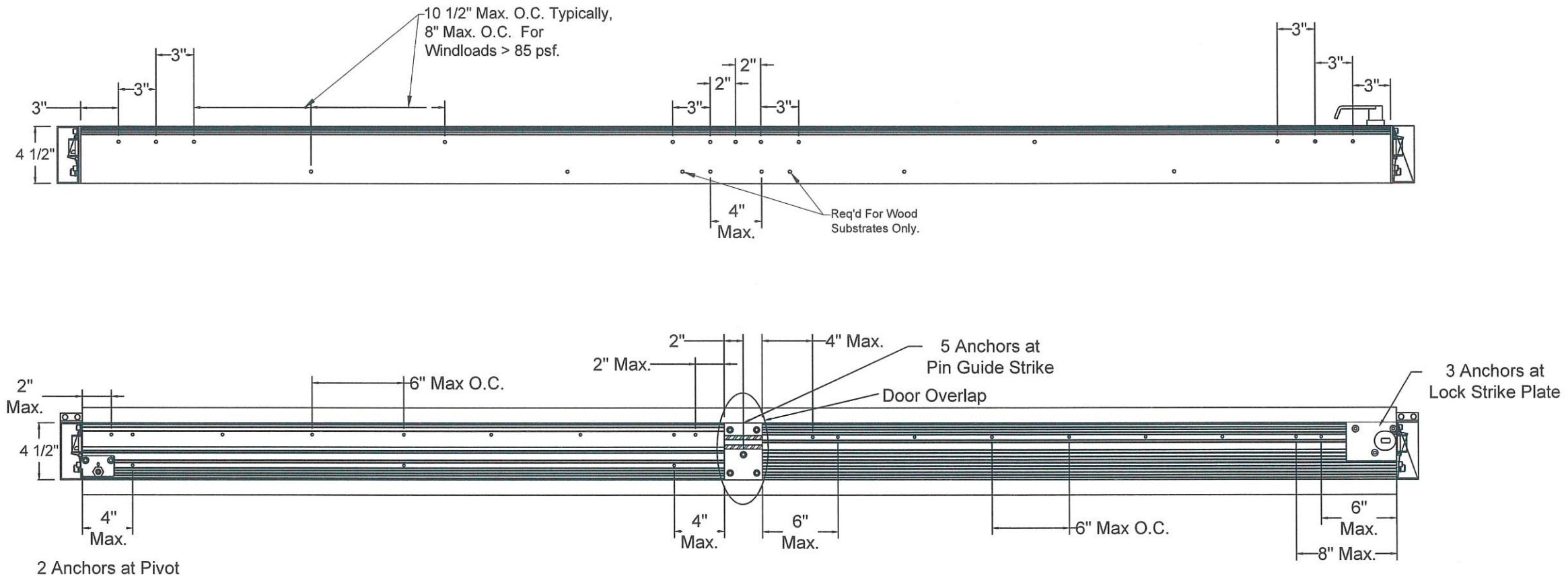


DWG NO.	DOC-1688256-FPA
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DATE	12/16/2019
SHEET DESCRIPTION	SHEET NO. 12 OF 22
ASSA ABLOY	

Revisions			
Rev	Description	Date	Approved
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1	New option, was 17 pages	9/4/26	SS

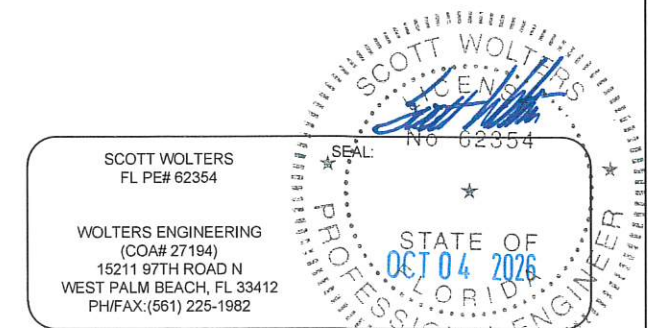
BASE PACKAGE WITH LWI OPTION

SINGLE-SLIDE HEAD ANCHOR LOCATIONS



SINGLE-SLIDE SILL ANCHOR LOCATIONS

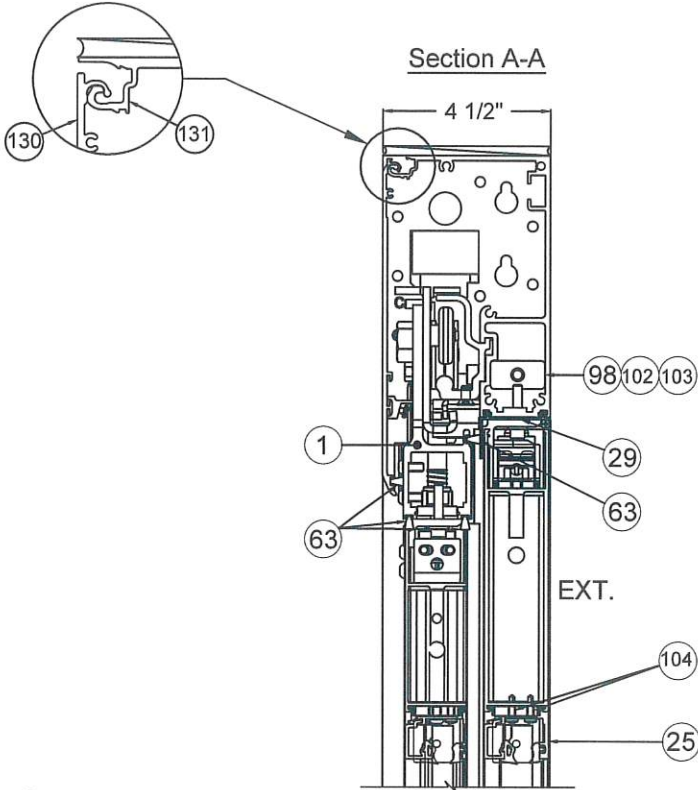
BP Panel Size and Daylight Opening Chart		
Door Stile	Maximum Panel Width	Maximum DLO Width
Medium	54 3/4"	44 1/4"
Lower Muntin		Maximum DLO Height
1-3/4"		68 1/2"



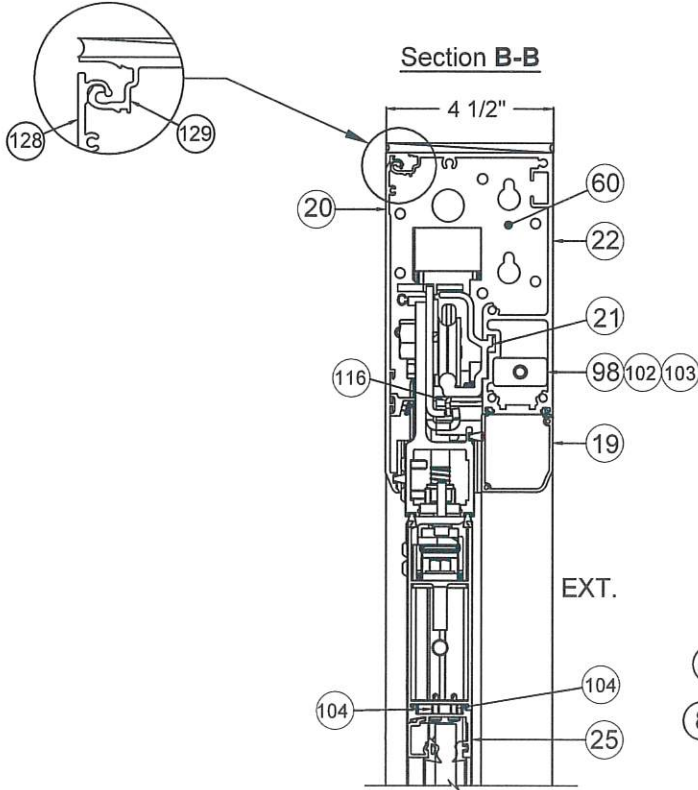
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DRAWN BY SJF	DATE 12/16/2019
SHEET DESCRIPTION SHEET NO. 13 OF 22	
ASSA ABLOY	

Revisions			
Rev	Description	Date	Approved
0	Initial Release		SJF
1	138 & 139 added, was 17 pages	9/4/26	SS

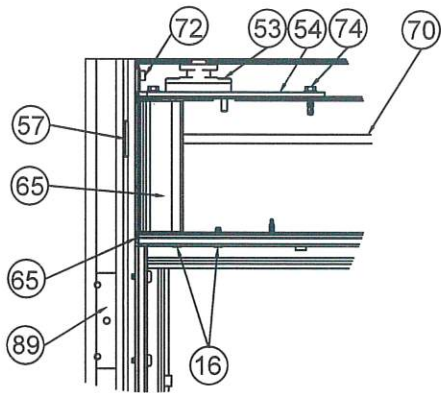
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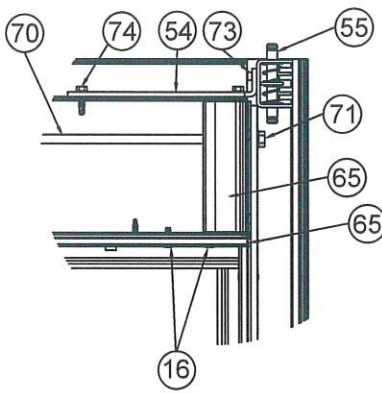
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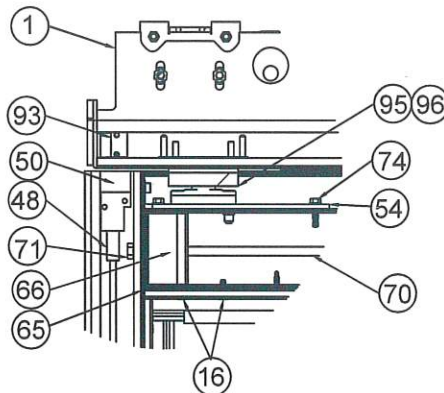
Sidelite Top Corner- Lead Side



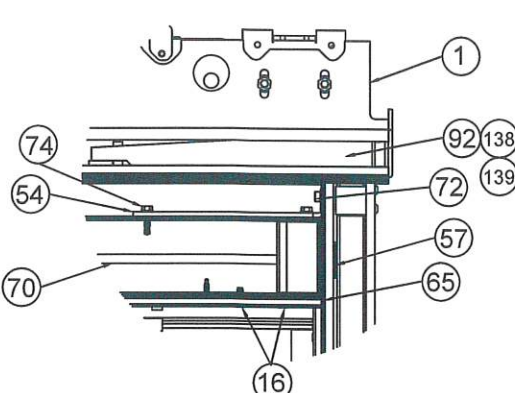
Sidelite Top Corner- Pivot Side



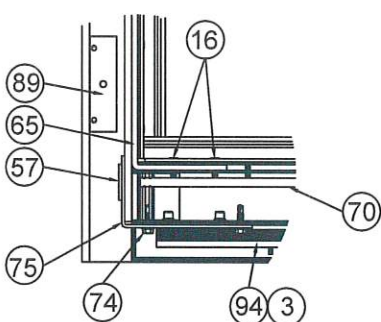
Active Leaf Top Corner- Lead Side



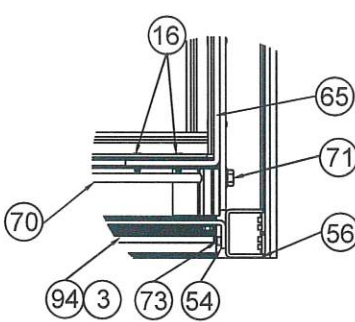
Active Leaf Top Corner-Pivot Side



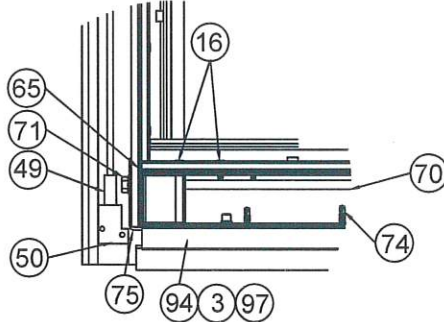
Sidelite Bottom Corner- Lead Side



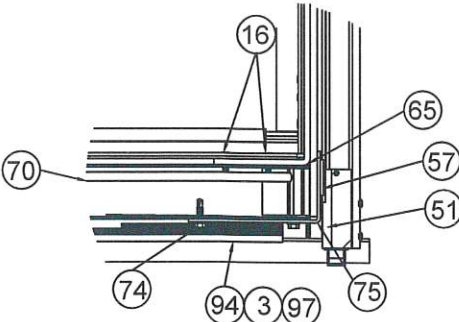
Sidelite Bottom Corner- Pivot Side



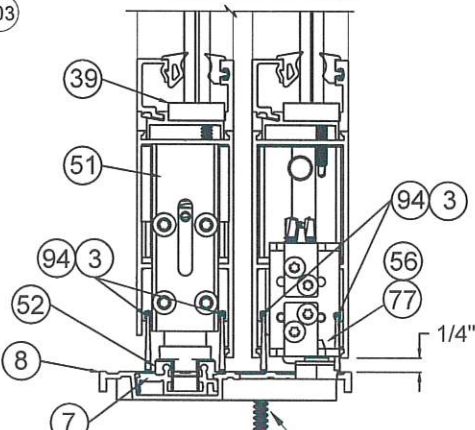
Active Leaf Bottom Corner- Lead Side



Active Leaf Bottom Corner-Pivot Side

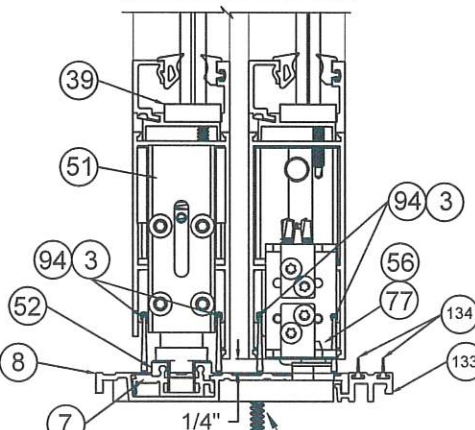


Section G-G
BASE PACKAGE



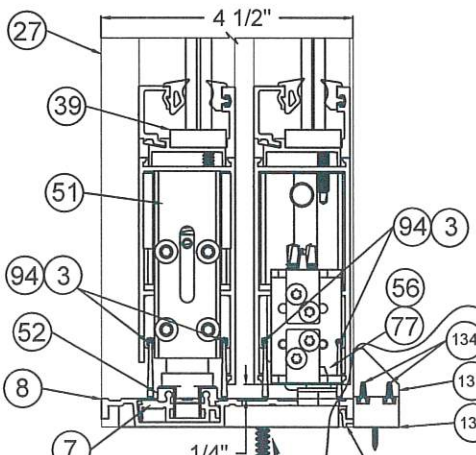
See Table 1 on Sheet 17
For Installation Anchor Info.

Section G-G
BASE PACKAGE
WITH LWI OPTION



See Table 1 on Sheet 17
For Installation Anchor Info.

Section H-H
BASE PACKAGE
WITH LWI OPTION

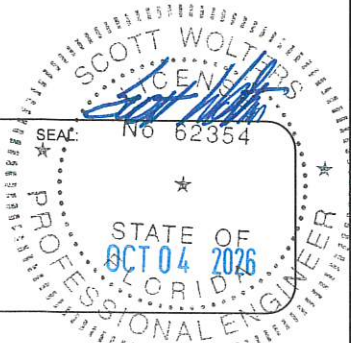


See Table 1 on Sheet 17
For Installation Anchor Info.

Parts included with
LWI Option

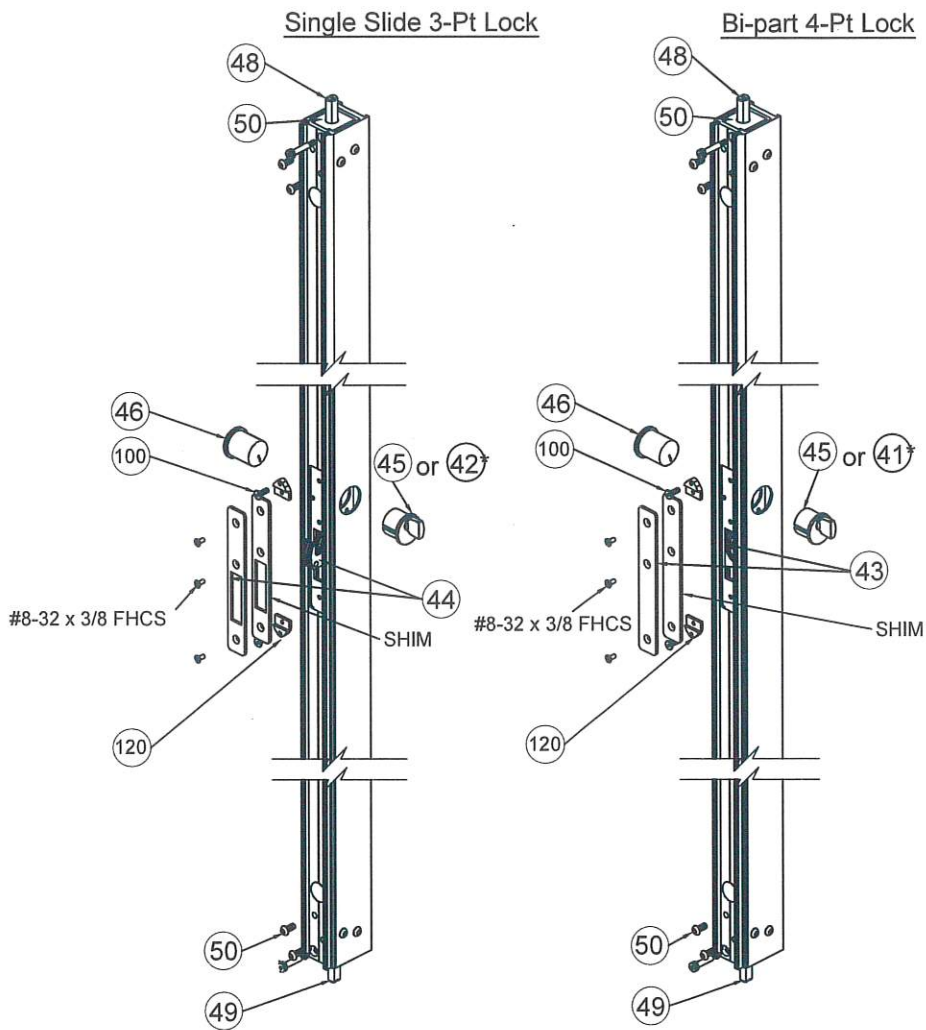
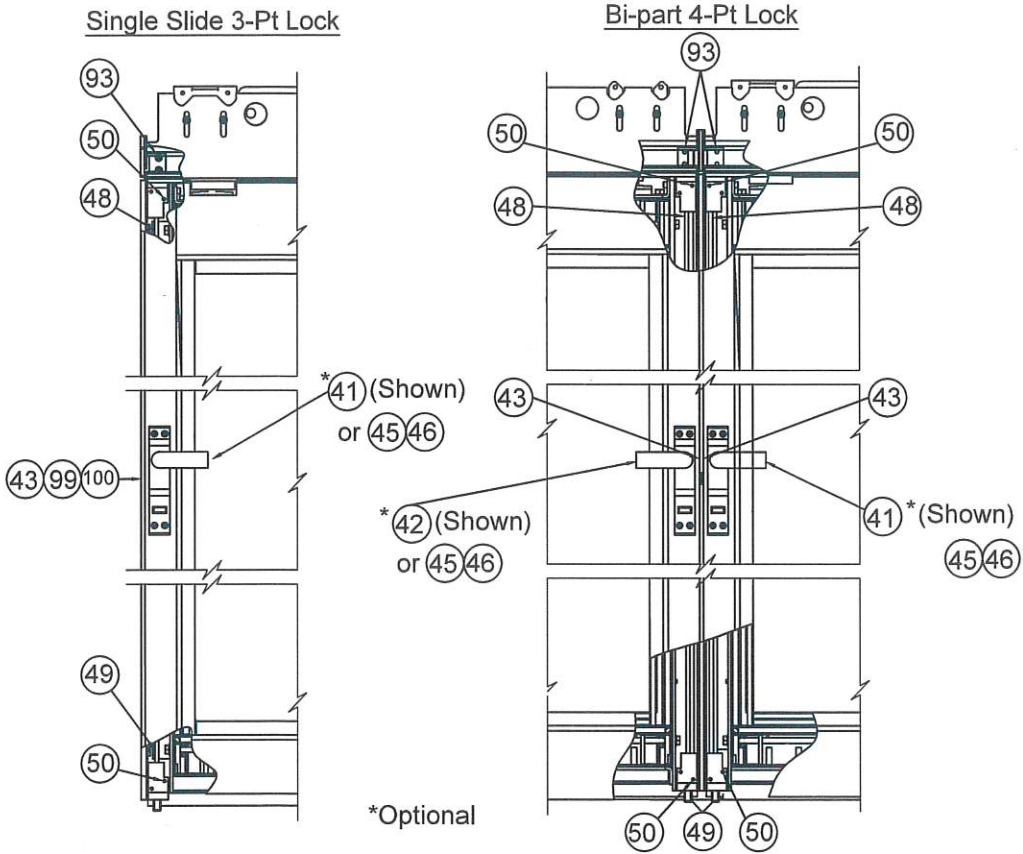
SCOTT WOLTERS
FL PE# 62354

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

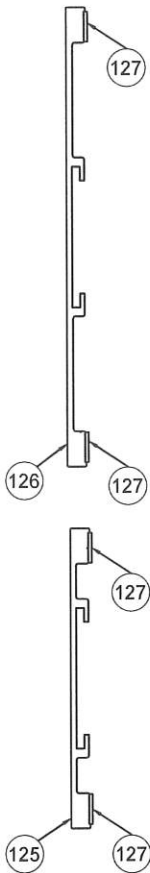


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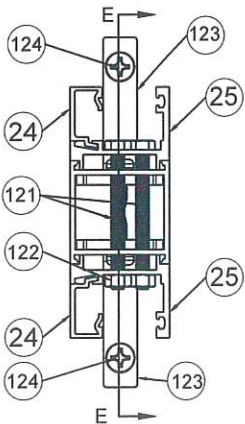
Revisions			
Rev	Description	Date	Approved
0	Initial Release		SJF
1	Was 17 pages	9/4/26	SS



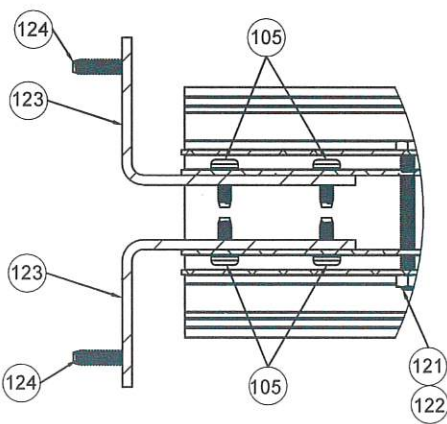
Section E-E
SURFACE APPLIED
MUNTIN



Section D-D
TRUE DIVIDED
MUNTIN



Section E-E
TRUE DIVIDED
MUNTIN



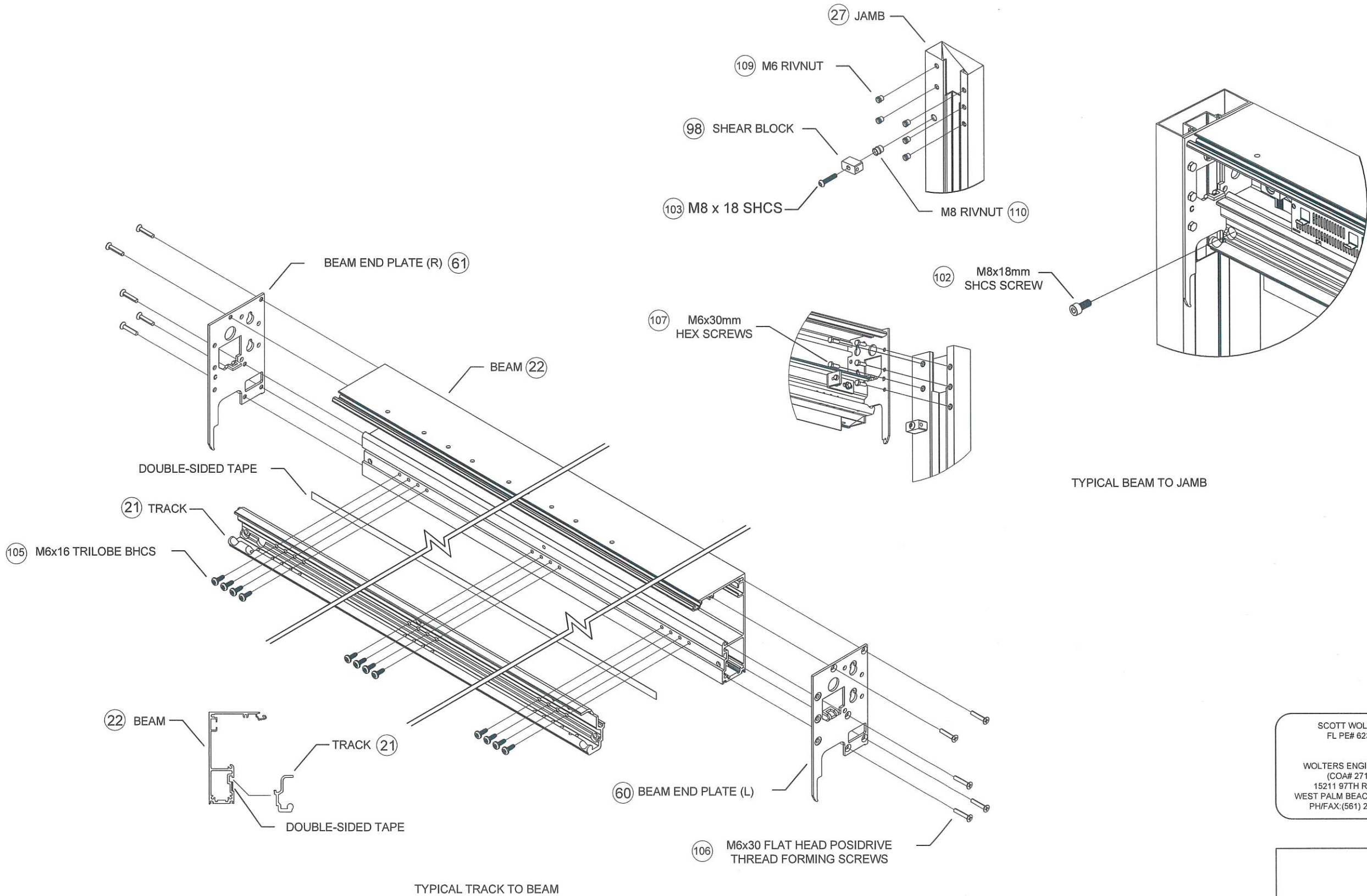
SCOTT WOLTERS
FL PE# 62354

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

SCOTT WOLTERS
LICENSED PROFESSIONAL ENGINEER
STATE OF FLORIDA
OCT 04 2026

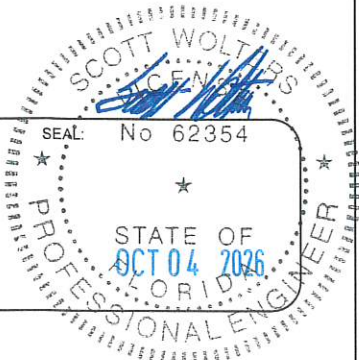
DWG NO. DOC-1688256-FPA	
DRAWN BY SJF	DATE 12/16/2019
SHEET DESCRIPTION SHEET NO. 15 OF 22	
ASSA ABLOY	

Revisions			
Rev	Description	Date	Approved
0	Initial Release		SJF
1	Was 17 pages	9/4/26	SS



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DRAWN BY	SJF
DATE	12/16/2019
SHEET DESCRIPTION	SHEET NO. 16 OF 22

Revisions			
Rev	Description	Date	Approved
0	Initial Release		SJF
1	Updated table, was 17 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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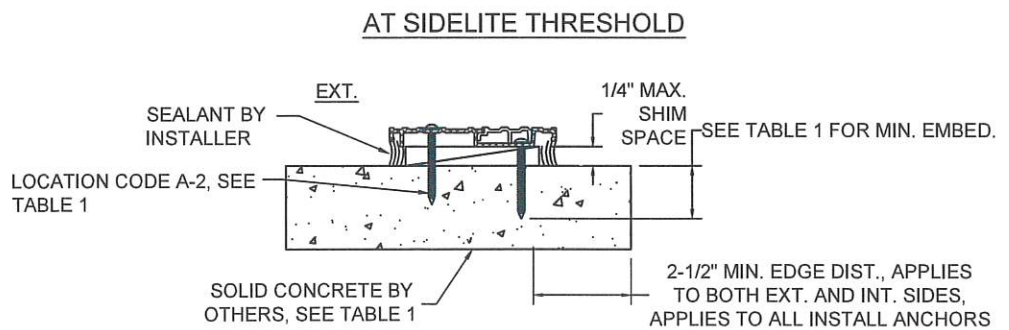
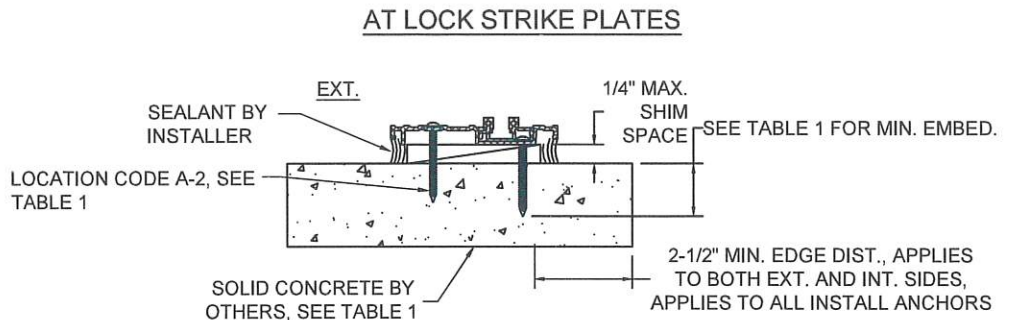
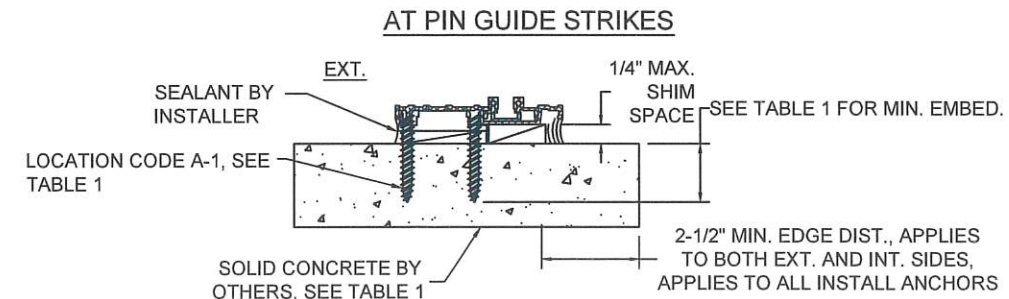
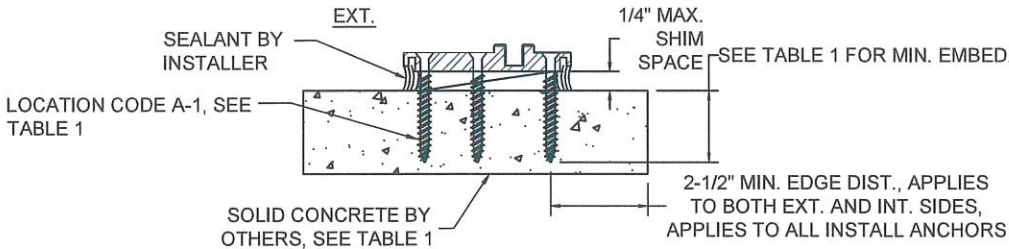
WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
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SEAL: NO 62354

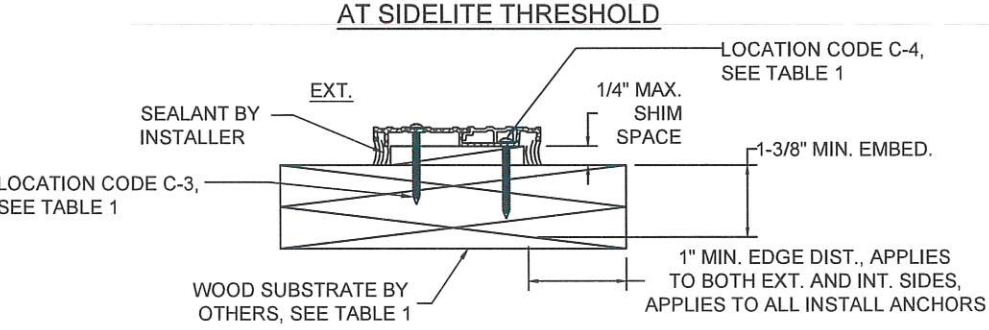
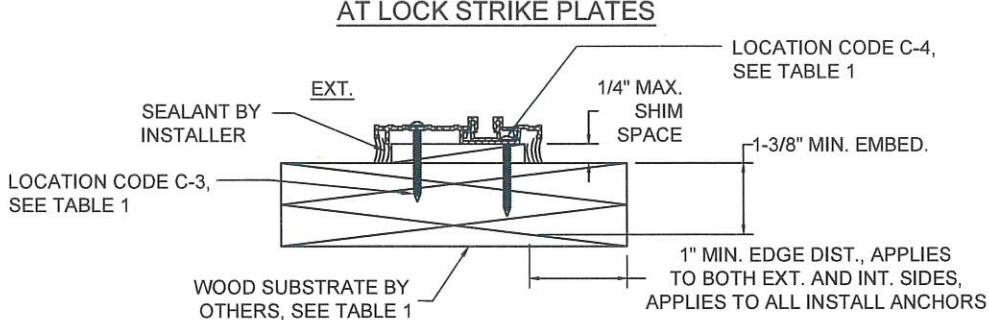
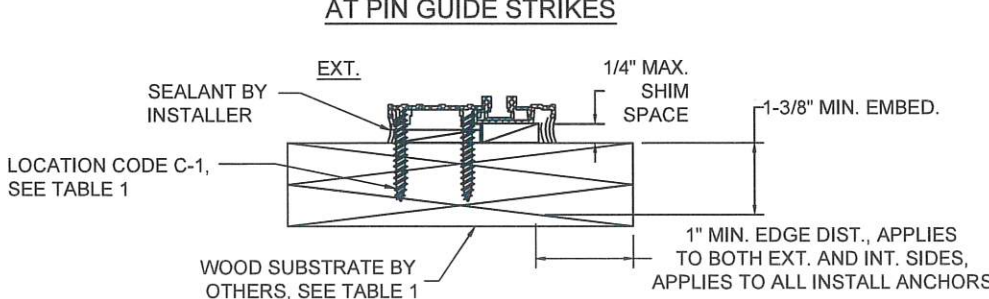
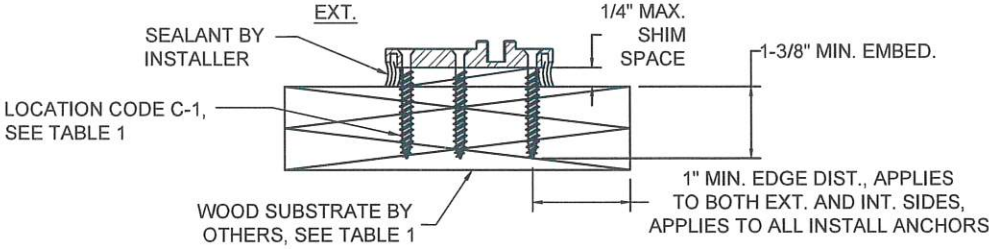


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SILL ANCHOR DETAILS IN CONCRETE

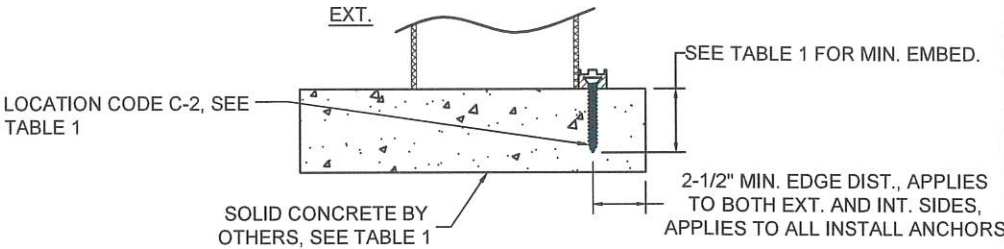


SILL ANCHOR DETAILS IN WOOD

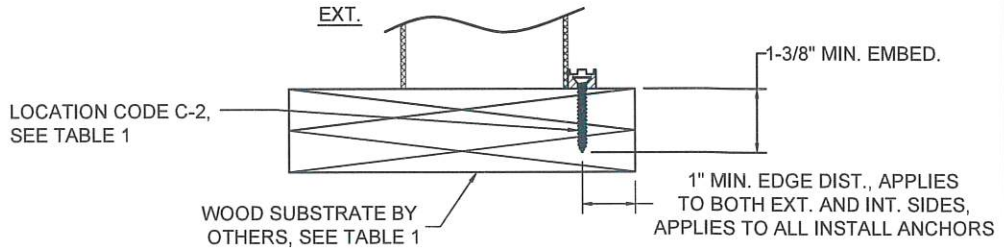


Revisions			
Rev	Description	Date	Approved
0	Initial Release		SJF
1	Notes updated, sealing floor plate details added, was 17 pages	9/4/26	SS

SEALING FLOOR PLATE DETAILS IN CONCRETE



SEALING FLOOR PLATE DETAILS IN WOOD

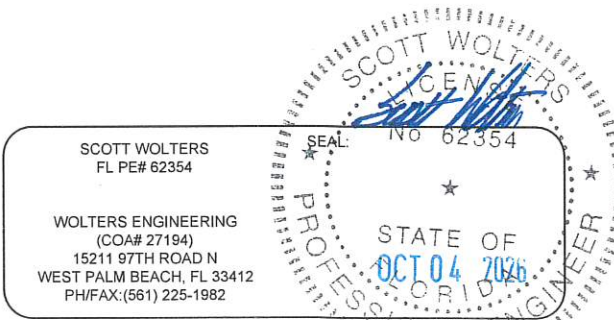


NOTE: ANCHORS ARE FLATHEAD AT ALL PLATE/STRIKE LOCATIONS AND ROUND/PAN/HEX-WASHER HEAD ELSEWHERE

CONCRETE ANCHORS AT THRESHOLD: CONCRETE ANCHORS THAT PENETRATE THE THRESHOLD ONLY ARE 3/16" DIA. ELCO ULTRACONS 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.

GENERAL ANCHOR NOTES:

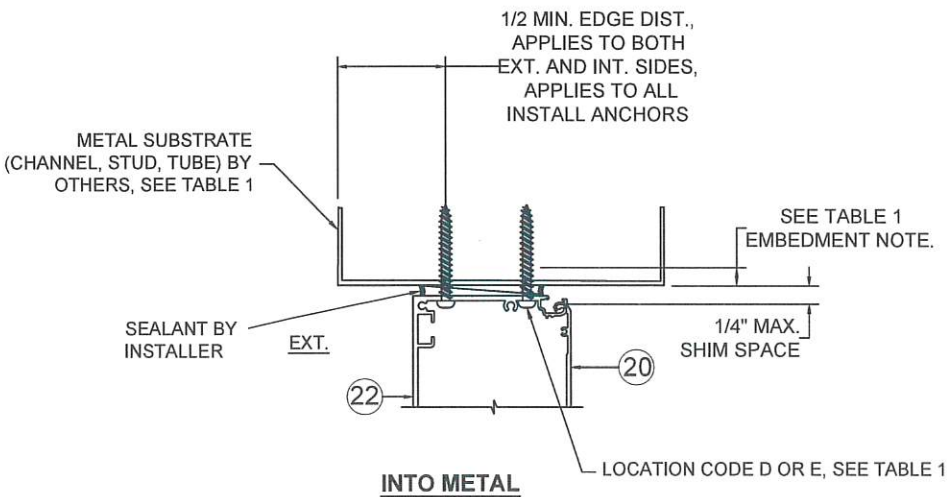
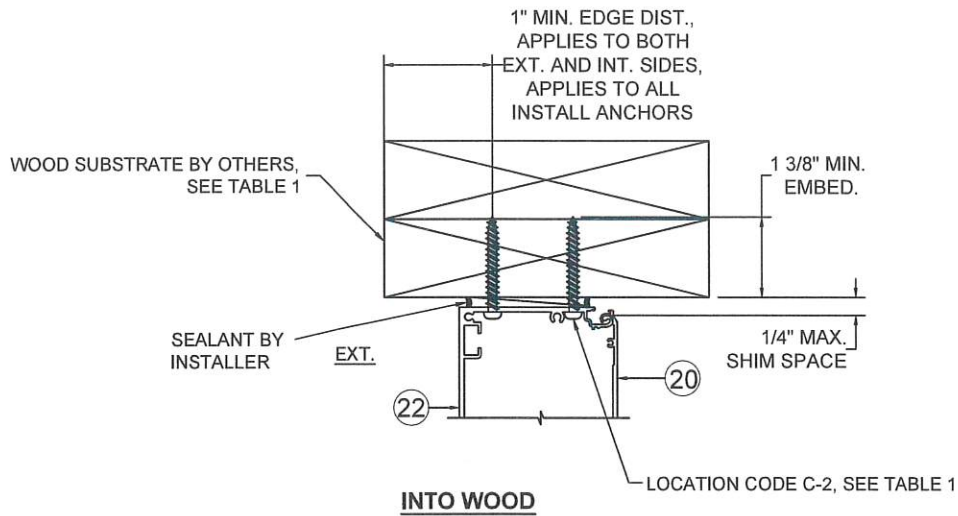
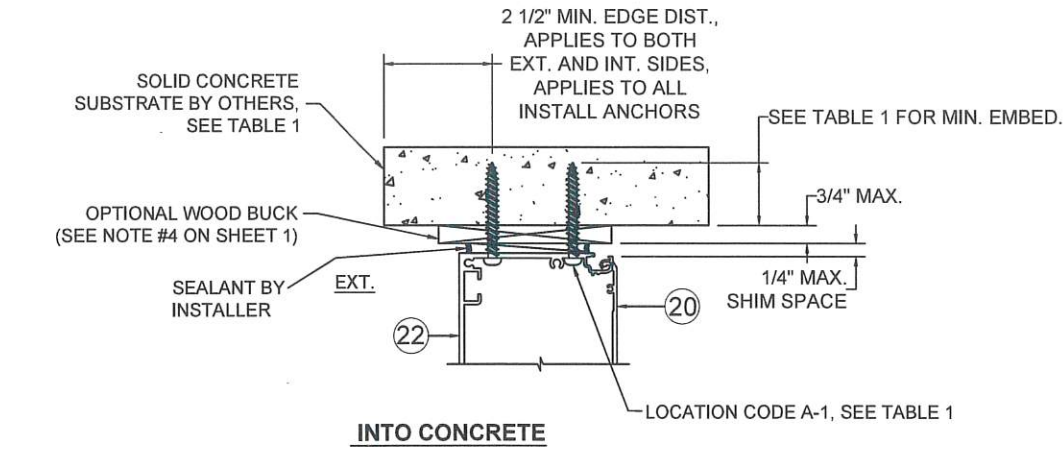
1. INSTALL ANCHOR AS INDICATED IN DETAILS ON SHEETS 2 THRU 13 AT EACH LOCATION SHOWN IN THE ELEVATIONS ON SHEETS 2 AND 3.
2. INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE.
3. 1/4" MAX. SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
4. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO, BY OTHERS. FOR ATTACHMENT TO METAL SUBSTRATES ENSURE FULL THREAD ENGAGEMENT THROUGH METAL WALL WITH MIN. 3 THREADS BEYOND.
5. IN CMU (AT JAMBS ONLY) ENSURE 3" MIN. ON-CENTER SPACING BETWEEN ANY TWO INSTALLATION ANCHORS IN JAMB ANCHOR CLUSTERS (SEE VERTICAL SECTION DETAILS ON SHEETS 3 AND 6), AND 6" MIN. ON-CENTER ELSEWHERE AT CMU JAMBS. FOR ALL OTHER ANCHOR/SUBSTRATE TYPES (SEE TABLE 1) ENSURE 1 1/2" MIN. ON-CENTER SPACING BETWEEN ANY TWO INSTALLATION ANCHORS.
6. OPTIONAL (1x MAX) WOOD BUCKS, IF USED, MUST BE ADEQUATELY ANCHORED TO PREVENT INSTALLATION ANCHOR BENDING.



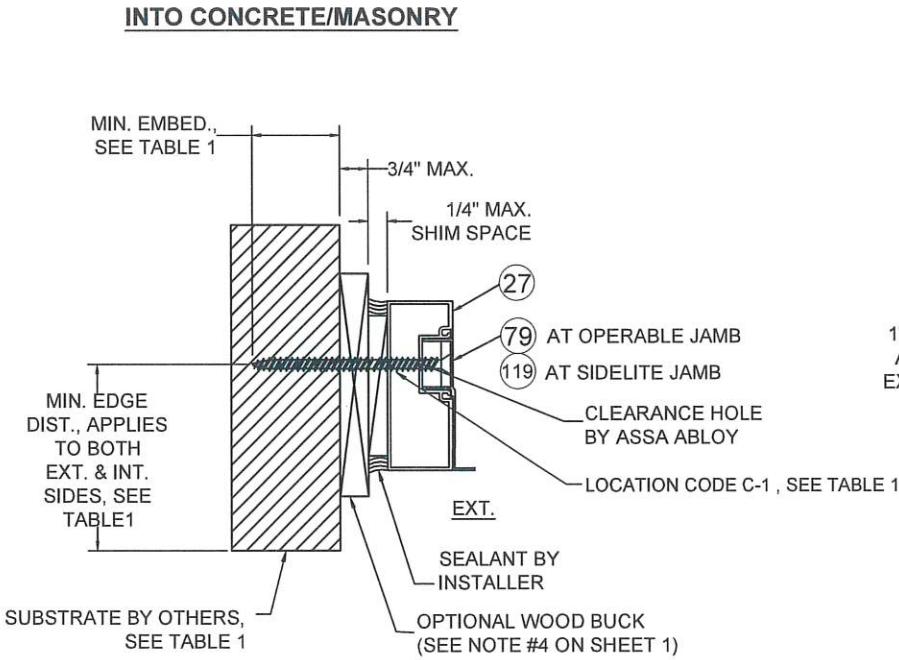
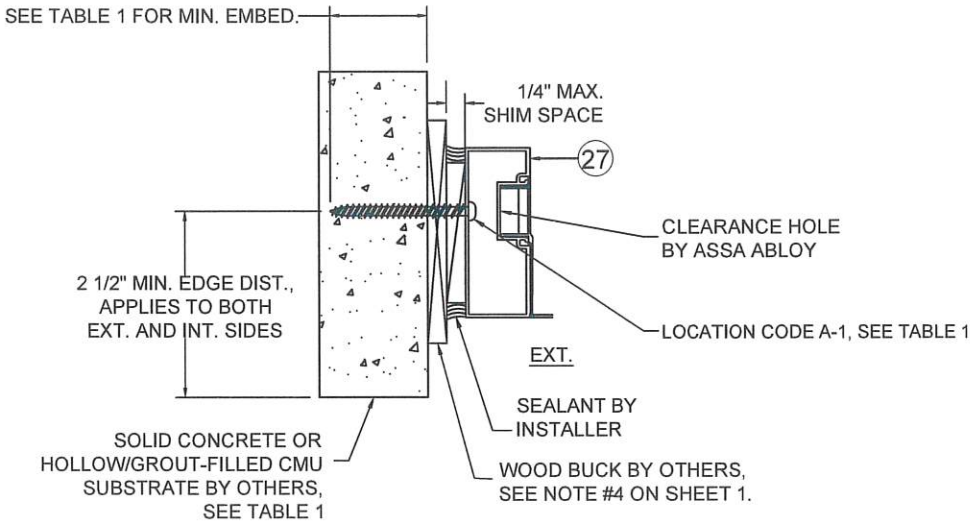
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SHEET DESCRIPTION	DATE 12/16/2019
	SHEET NO. 18 OF 22

Revisions			
Rev	Description	Date	Approved
0	Initial Release		SJF
1	Notes updated, was 17 pages	9/4/26	SS

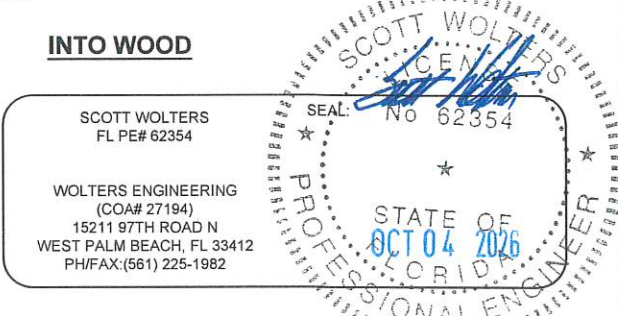
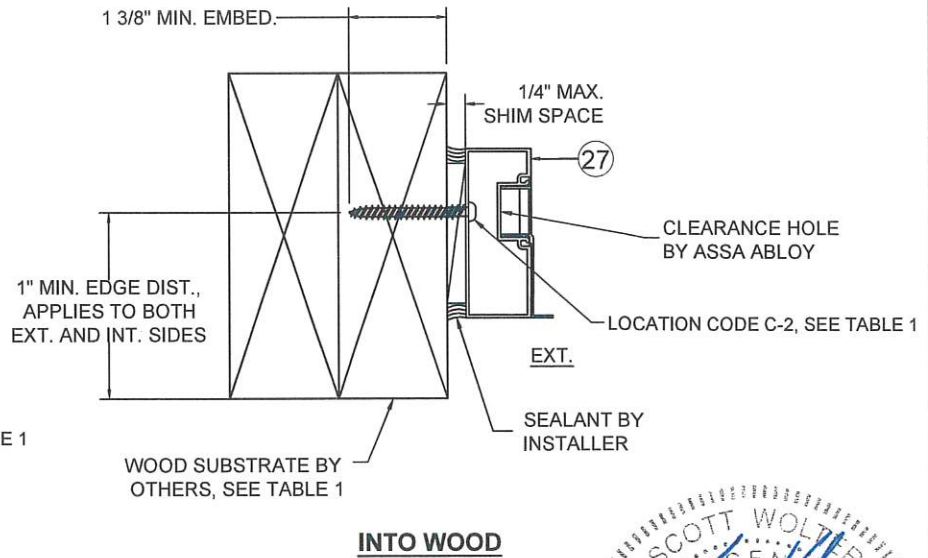
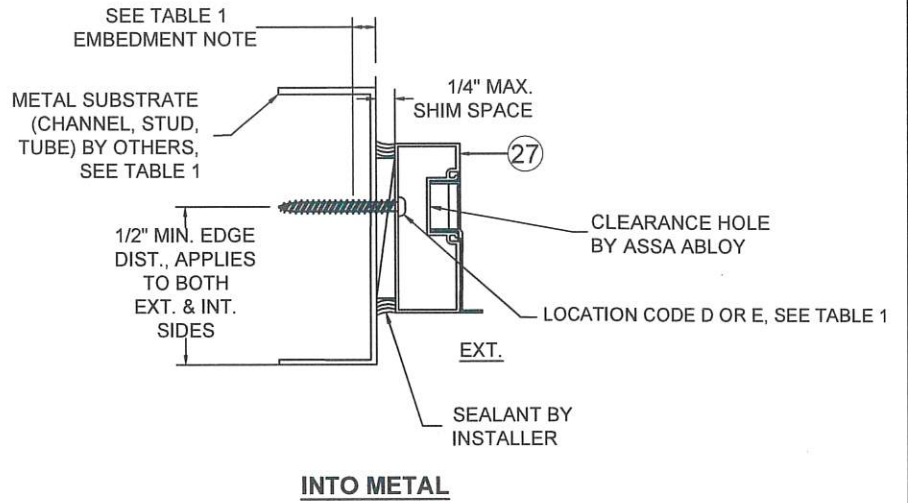
HEAD ANCHOR DETAILS



JAMB ANCHOR DETAILS

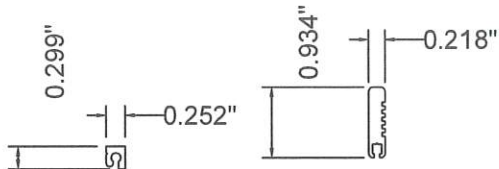


SEE GENERAL ANCHOR NOTES
AND TABLE 1, SHEET 1



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DATE	12/16/2019
SHEET DESCRIPTION	SHEET NO. 19 OF 22

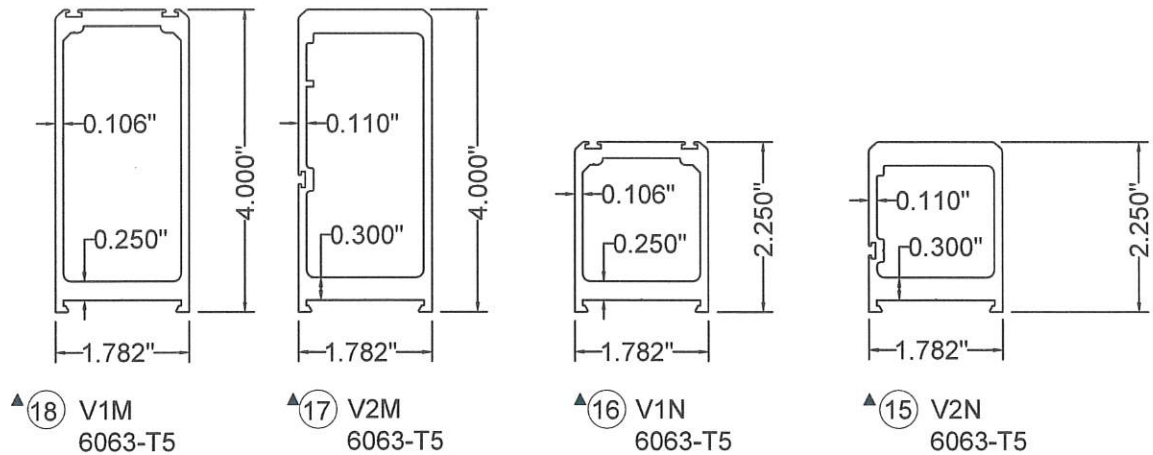
ASSA ABLOY
SL500 RESILIENCE R128 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING



④ Track Cap
Nylon 6

③ Sweep Housing
6063-T5

Revisions			
Rev	Description	Date	Approved
0	Initial Release		SJF
1	135 & 137 added, was 17 pages	9/4/26	SS

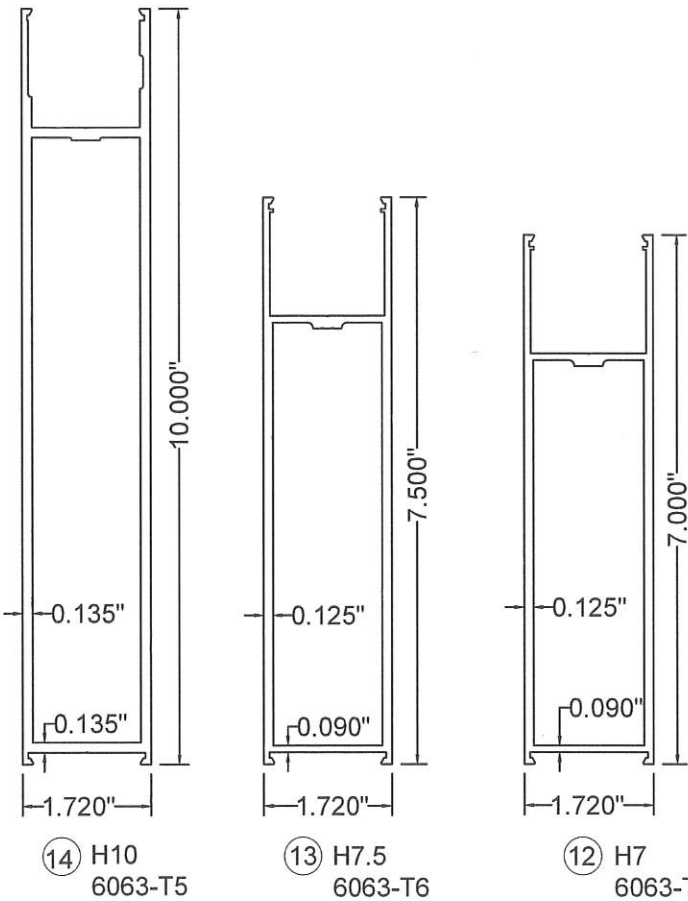


▲⑱ V1M
6063-T5

▲⑰ V2M
6063-T5

▲⑯ V1N
6063-T5

▲⑮ V2N
6063-T5



⑭ H10
6063-T5

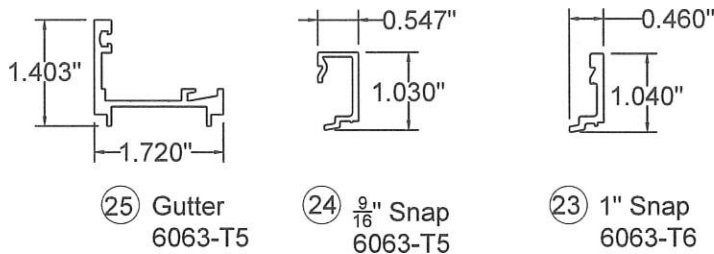
⑬ H7.5
6063-T6

⑫ H7
6063-T5

⑪ H5
6063-T5

⑩ H4
6063-T5

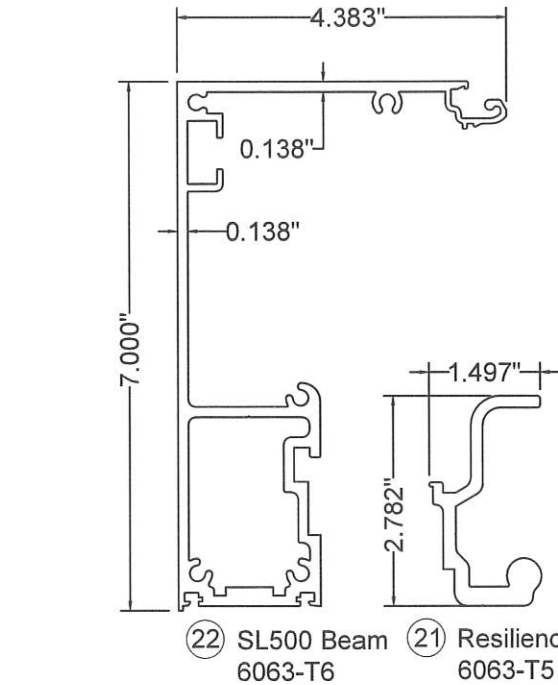
⑨ H2
6063-T5



⑮ Gutter
6063-T5

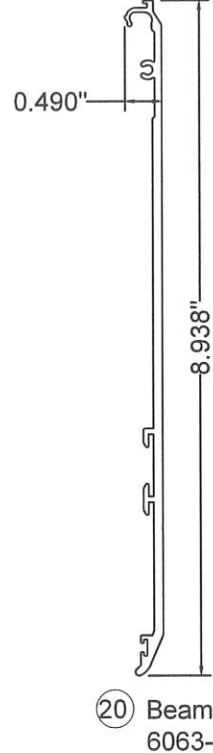
⑭ 9/16" Snap
6063-T5

⑬ 1" Snap
6063-T6

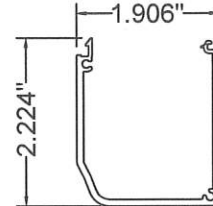


⑫ SL500 Beam
6063-T6

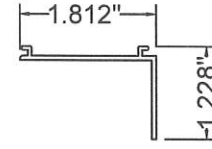
⑪ Resilience Track
6063-T5



⑩ Beam Cover
6063-T5

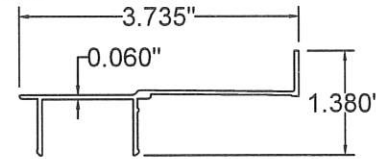


⑨ Sensor Cap
6063-T6

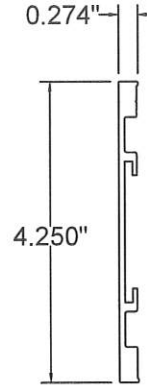


⑧ S/L Cap
6063-T5

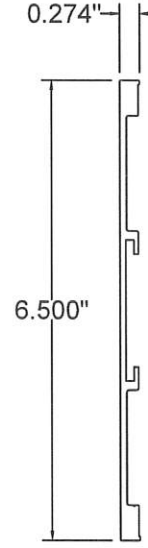
▲ US Patent 11,448,003 B2



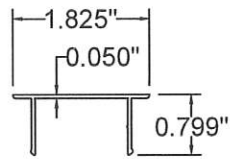
⑦ Resilience Jamb Filler
6063-T6



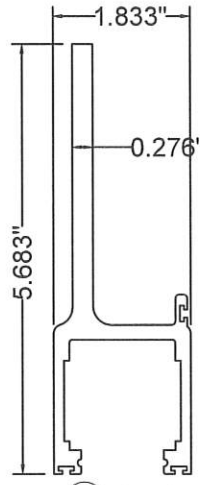
⑥ False Muntin
6063-T6



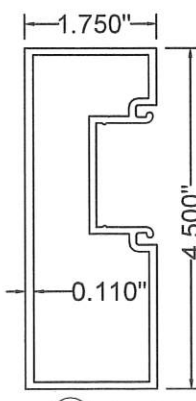
⑤ False Muntin
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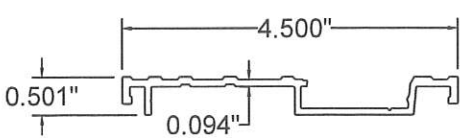
④ Jamb Filler
6063-T6



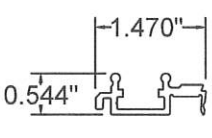
③ Carrier
6063-T6



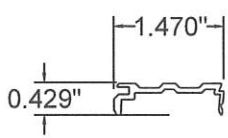
② Jamb
6063-T6



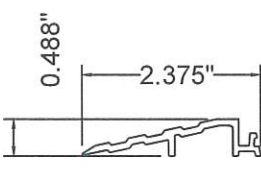
① Threshold
6063-T6



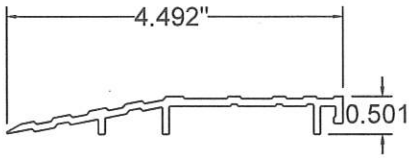
① Pin Guide
6063-T5



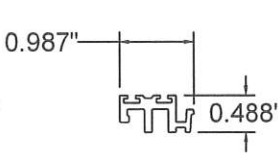
② Filler
6063-T5



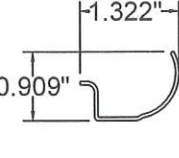
③ Leadup
6063-T5



④ Active Leaf Threshold w/ Lead Up
6063-T5



⑤ Dual Seal Holder Ext.
6063-T5



⑥ Sweep Clip
6063-T5

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DATE	12/16/2019
SHEET DESCRIPTION	SHEET NO. 20 OF 22



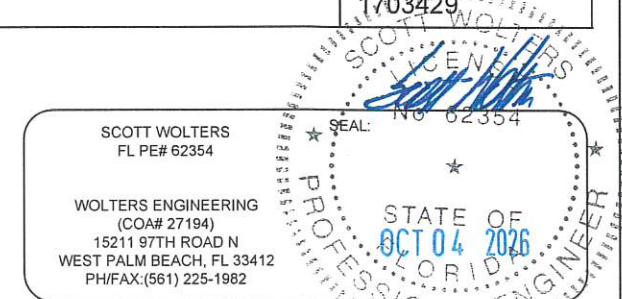
ASSA ABLOY

Revisions			
Rev	Description	Date	Approved
0	Initial Release		SJF
1	Was 17 pages	9/4/26	SS

1	Carrier	1015669
2	Sweep Clip	1013780
3	Sweep Housing	US01-0685
4	Track Cap	50-20-135
5	Leadup	1013364
6	Filler	1013366
7	Pin Guide	1013866
8	Threshold	1013363
9	H2 Muntin Rail (Optional)	1012947
10	H4 Bottom Rail	1012942
11	H5 A/L Top Rail	1012944
12	H7 Bottom Rail	1012945
13	H7.5 S/L Top Rail	1016075
14	H10 Bottom Rail	1012946
17	V2M HD Rail	1018843
18	V1M HD Rail	1018842
19	Sensor Cap	1016738
20	Beam Cover	1016073
21	Resilience Track	1015670
22	SL500 Beam	1010590
23	1" Snap	1015702
24	9/16" Snap	1015701
25	Gutter	1015700
26	Resilience Jamb Filler	1016844
27	Jamb	US01-0931
28	Jamb Filler	US01-0933
29	S/L Cap	1008138
30	Wedge Seal (9/16" L.D. glass)	1703423
32	Resilience Crash Bar Kit (Optional)	1017922
33	Wedge Seal (9/16" L.D. glass)	1703422
37	Wedge Seal (1/4" glass)	1703425
38	Fixed Seal (1/4" glass)	1703424
39	Glass Setting Block	1016294
40	M6 x 30 FH Threadforming Screw	1701704
Pos.	Description	Part.no.

41	Deadbolt Lever, AR4550, RH, CL (Optional)	US05-0771-01
42	Deadbolt Lever, AR4550, LH, CL (Optional)	US05-0771-03
43	2 PT Lock	1703500
44	3 PT Lock	1703501
45	Thumbturn	50-06-106
46	Cylinder, Key Alike	US06-1404-02
47	Lock Indicator	50-06-161
48	Lock Pin Assembly, Top	1016991
49	Lock Pin Assembly, Bottom	1016992
50	Kit, Lock Pin Guide	1018060
51	Resilience Pin Guide Assembly	1016658
52	Pin Guide Strike	1016611
53	SL500 Resil Ball Catch Kit	1017039
54	Anti-Twist Bracket	1016628
55	Top Pivot Assembly	1012549
56	Bottom Pivot Assembly	1012548
57	Square Threaded Rod Nut	1016327
58	Kit, Resilience Interlock Bar	1018093
59	Kit, Interlock Hook	1018059
60	Resilience Beam End Cap, Left	1016614
61	Resilience Beam End Cap, Right	1016613
62	M6 x 20 Hex Head Screw	93-09-723187
63	Tall Weatherstrip	US20-0905-01
64	Seal	US20-1658-01
66	5" Anti-Twist Assembly Clip	1013803-3
67	4" Anti-Twist Assembly Clip	1013803-2
68	7" Anti-Twist Assembly Clip	1013897-2
69	10" Anti-Twist Assembly Clip	1013897-1
70	Rod, Threaded, 3/8"	50-09-100
71	Nut, 3/8-16 Whiz flange zinc	50-09-132
72	M6x12mm SHCS BLK Zinc	1703632
73	M5x8mm BHCS	1703508
74	Screw, HWH, 1/4-14x1" TEK	US09-1294-01
75	Anti-Twist Bracket	1019248
77	Resilience S/L Pivot Base Kit	1019262
78	Kit, Resilience Jamb Interlock Hook	1018092
79	Resilience Jamb Lock Strike	1017900
80	Lock Plate	US04-0948-01
Pos.	Description	Part.no.

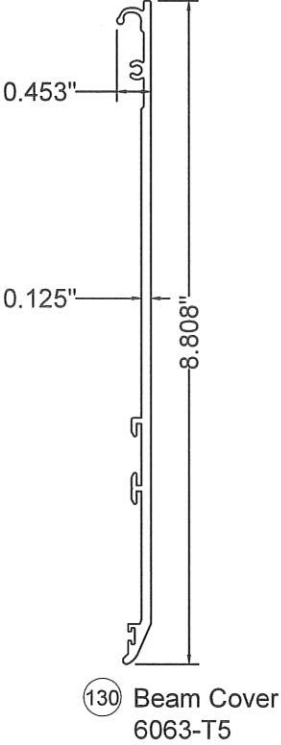
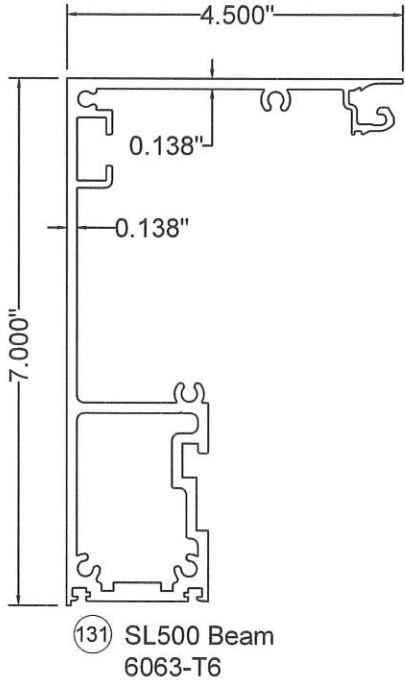
81	1/4"x 1-3/4" HWH Elco Ultracon Conc. Anchor	1703636
82	3/16"x 1-3/4" HWH Elco Ultracon Conc. Anchor	1703635
83	1/4"x 3-1/4" PFH Elco Ultracon Conc. Anchor	1703634
84	1/4"-14 x 2" HWH #3 Pt SD ITW TEKS Screw	1703633
85	#14 x 2.5" PH Grade 5 Sheetmetal Screw	1703431
86	#10 x 2" PH Grade 5 Sheetmetal Screw	1703427
87	#14 x 4" RH Grade 5 Sheetmetal Screw	1703494
88	#14 x 3in FH Grade 5 Screw	1703426
89	Nut Plate, Interlock	1019247
90	Resilience Beam End Cap, Right	1016613
91	Resilience Beam End Cap, Left	1016614
92	PSA Arm Kit, HD	1017036
93	Resilience Carrier Lock Strike Assembly	1016637
94	Sweep	US20-1627-02
95	Ball Catch Kit, Carrier Portion, Resilience	US05-1609-01
96	Ball Catch Kit, Active Leaf Door Portion, Resilience	1017038
97	Sweep Clip	1013780
98	Resilience Shear Block	1016612
99	XG Lock Body Mounting Block	1019595
100	#10-32 x 1/2" Ultra Low Profile Socket Head Screw	1704073
101	XG Muntin 'L' Bracket, Resilience	1019660
102	M8x40mm BHCS Black	1703691
103	M8 x 18 SHCS	1703495
104	#10-16 x 5/8" PPH Tek Screw	53-09-003
105	M6x16mm Trilobe BHCS	1703493
106	M6 x 30 FH Threadforming Screw	1701704
107	M6x30mm HHCS	93-09-723187
109	M6 Steel Rivnut	US09-1560-01
110	M8 Steel Rivnut	1703429



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Revisions			
Rev	Description	Date	Approved
0	Initial Release		SJF
1	132-145 added, was 17 pages	9/4/26	SS

111	Carrier Positive Stop Bracket, Single Slide	1017002
112	Carrier Positive Stop Bracket, Bi-Part	1016615
116	Beam Interlock Hook	1016622
117	Level E Lock Guard, Left	1017889
118	Level E Lock Guard, Right	1017890
119	Jamb Interlock Strike	US04-0948
120	XG Lock Body Mounting Block	1019595
121	M6x60mm HHCS	1703666
122	M6 Hex Nut	04-09-726016
123	XG Muntin 'L' Bracket, Resilience	1019660
124	M6x25mm FHCS, Thread Former	1703678
125	FM2 - False Muntin	1018855
126	FM4 - False Muntin	1018856
127	Double Sided Adhesive Tape	
128	XG Gutter Steel, R128	1019938
129	XG Tube Reinf., R128 Impact	1020250
130	Alternate Beam Cover	1021588
131	Alternate SL500 Beam	1021586
132	Sealing Floor Plate	203-1689438
133	Threshold Sealing Block	203-1689443
134	Air Infiltration Block	203-1689448
135	Dual Seal-Holder Extrusion	EX-1675465
136	T-Seal	US20-1659-01
137	Active Leaf Threshold w/Lead-Up	EX-1675459
138	PSA Arm Install Hardware Kit	203-1595953
139	PSA Arm Adjustment Plate Kit	203-1595959
140	1/4" x 3 1/4" Simpson Titen Turbo HWH 316SS	203-1685803
141	1/4" x 3 1/4" Simpson Titen Turbo PFH 316SS	203-1685805
142	1/4" - 14 x 2" Dewalt Bi-Flex HWH Self Drilling	203-1685806
143	#14 x 2.5" PH 316SS Sheet Metal Screw	203-1685810
144	#10 x 2.5 PH 316SS Sheet Metal Screw	203-1685811
145	#14 x 3" FH 316SS Sheet Metal Screw	203-1685812
Pos.	Description	Part.no.



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SHEET DESCRIPTION	SHEET NO. 22 of 22
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