RECORD U.S.A. INC.
4324 PHIL HARGETT COURT
P.O. BOX 3099
MONROE, NC 28111
PHONE: 1-866-237-2687

RECORD
WINDCORD 5400/5500 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
FULL BREAKOUT

Revisions			
Rev	Description	Date	Approved
1	Initial Release		CBG

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 TYPES 1 & 2 ARE (LEVEL D) LARGE AND SMALL MISSILE IMPACT RESISTANT. GLASS TYPE 3 IS (LEVEL E) LARGE AND SMALL MISSILE IMPACT RESISTANT. GLASS TYPES 4 & 5 ARE NON- IMPACT, AND REQUIRE AN IMPACT RESISTANT SHUTTER SYSTEM IN WINDBORNE DEBRIS REGIONS.
2. MAX. DESIGN PRESSURES ARE LISTED ON SHEET 4.
3. THIS DOOR SYSTEM IS NOT TESTED OR RATED FOR WATER INFILTRATION RESISTANCE. IT IS INTENDED FOR USE ONLY IN LOCATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR WHERE IT IS PROTECTED BY AN OVERHANG MEETING THE REQUIREMENTS OF FBC SECTION 1709.5.1.
4. OPENING SUBSTRATES, WOOD BUCKS (OPTIONAL), AND WOOD BUCK FASTENERS ARE BY OTHERS AND MUST BE DESIGNED AND INSTALLED PER FBC REQUIREMENTS TO SAFELY TRANSFER THE LOADS FROM THIS SYSTEM TO THE BUILDING STRUCTURE. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS LISTED IN THE ANCHOR CHART ON SHEET 13.
5. ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS LISTED IN THE ANCHOR CHART ON SHEET 13, AND AS DETAILED IN THESE DRAWINGS. ANCHOR EMBEDMENT IN SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO.
6. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS.
7. THE 4/3 INCREASE IN ALLOWABLE STRESS FOR SHORT-TERM LOADING HAS NOT BEEN USED IN THE DESIGN OF THIS SYSTEM. THE 1.6 Cd FACTOR HAS BEEN USED IN THE ANALYSIS OF WOOD SCREWS ONLY.
8. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT GALVANIC REACTIONS IN ACCORDANCE WITH FBC CHAPTERS 20 AND 23.

SYSTEM NOTES:

9. ALL ALUMINUM PARTS SHALL BE 6063-T5 ALUMINUM ALLOY AND TEMPER, UNLESS OTHERWISE NOTED.
10. FOR GLAZING DETAILS, SEE SHEET 5.
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 12),
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.

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

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 SEAL NO 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER
APR 24 2023

DWG NO.	1023672
DRAWN BY: DBN	DATE: 04/24/23
SHEET DESCRIPTION	SHEET NO.: 1 OF 20

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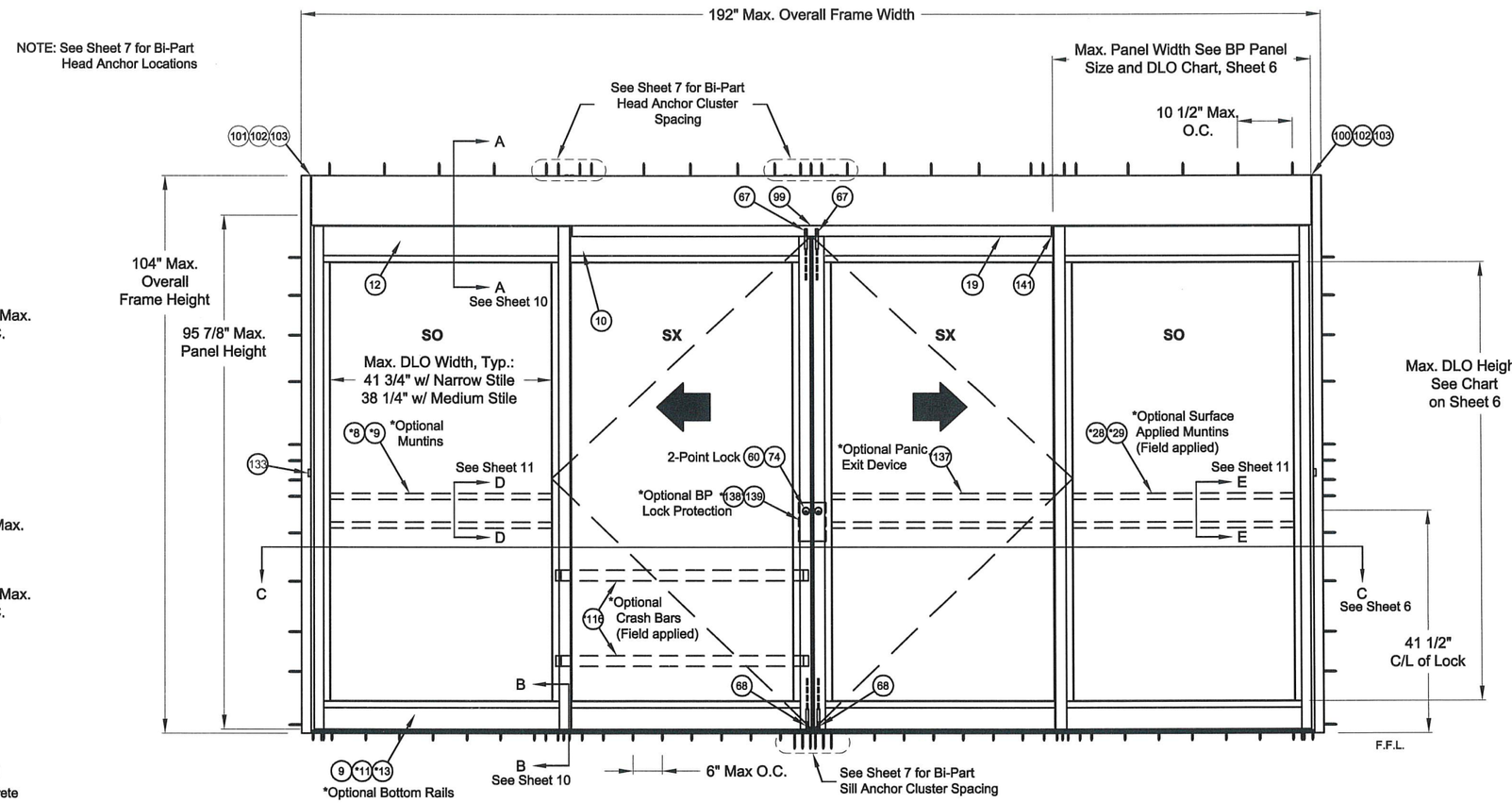
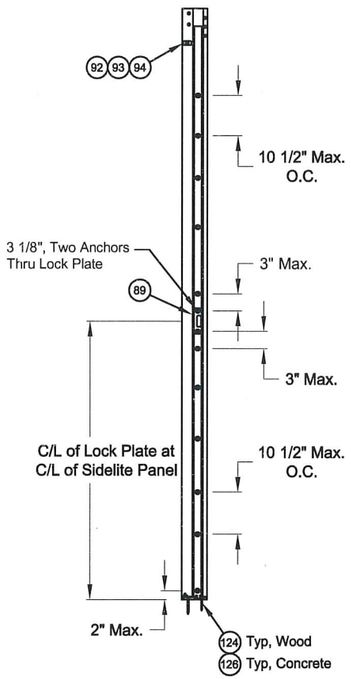
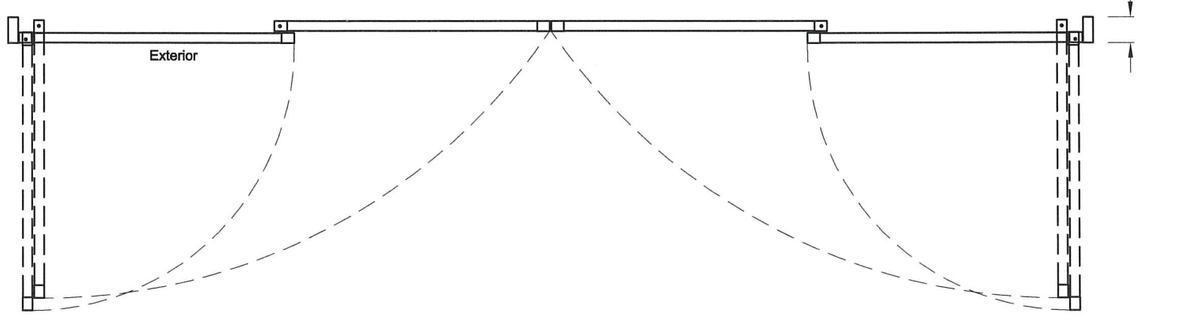




SIDELITE JAMB
(Typ. both Jambs)

BP FBO (4 PANELS, BI-PART FULL BREAKOUT)



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 5/8"
7" Bottom Rail	OFH - 24 5/8"
10" Bottom Rail	OFH - 27 5/8"

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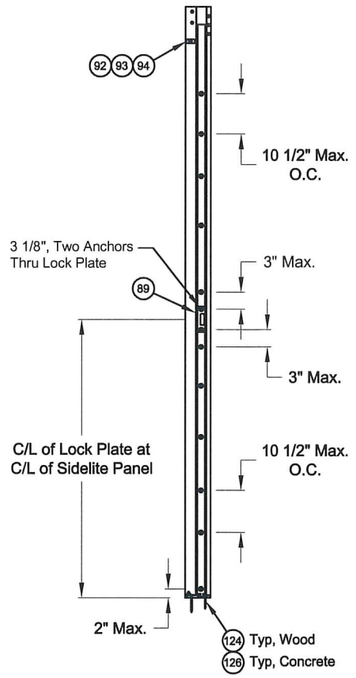

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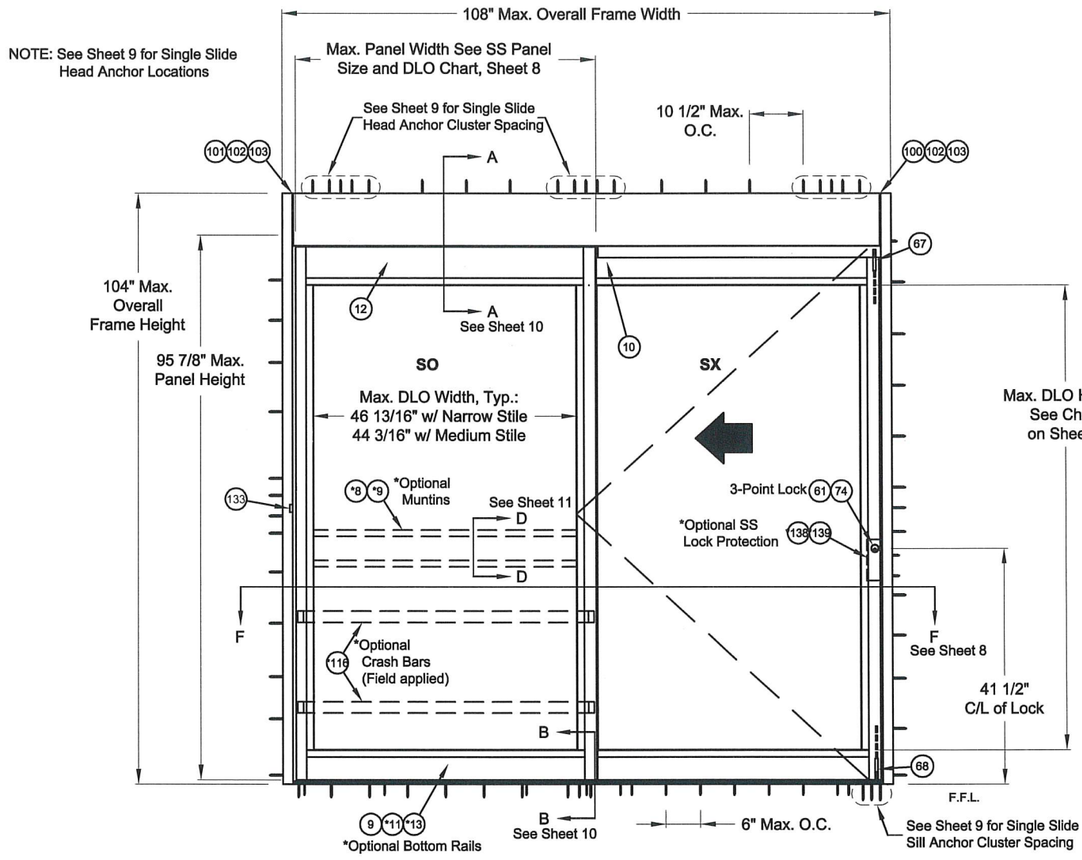
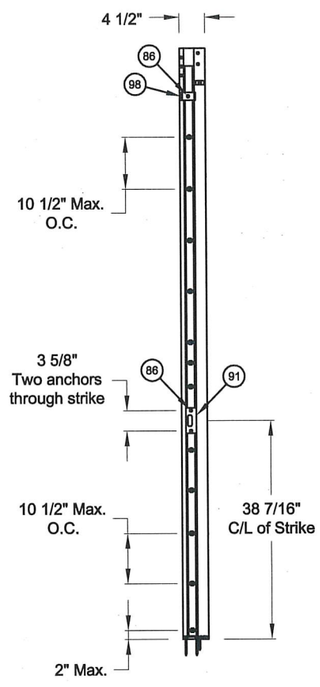
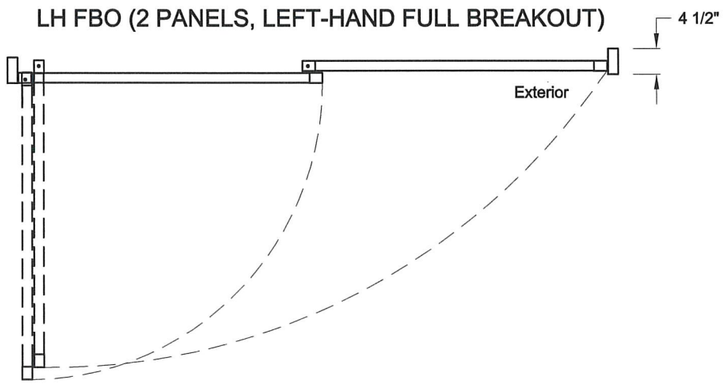




ACTIVE JAMB

LH FBO (2 PANELS, LEFT-HAND FULL BREAKOUT)



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 5/8"
7" Bottom Rail	OFH - 24 5/8"
10" Bottom Rail	OFH - 27 5/8"

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SINGLE SLIDE -MAXIMUM DESIGN PRESSURE				
GLASS TYPE	IMPACT RATING	LOCKING HARDWARE	MAX. FRAME SIZE (W x H)	MAX. DESIGN PRESSURE (psf)
GLASS TYPES 1 & 2	LMI - MISSLE D	3 PT. LOCK or ADAMS-RITE 8600	108" x 104"	75
GLASS TYPE 3	LMI - MISSILE E	3 PT. LOCK or ADAMS-RITE 8600	108" x 104"	75
GLASS TYPES 4 & 5	NON-IMPACT**	3 PT. LOCK or ADAMS-RITE 8600	108" x 104"	75

**SHUTTERS ARE REQUIRED FOR WINDBORNE DEBRIS REGIONS

BI-PARTING -MAXIMUM DESIGN PRESSURE				
GLASS TYPE	IMPACT RATING	LOCKING HARDWARE	MAX. FRAME SIZE (W x H)	MAX. DESIGN PRESSURE (psf)
GLASS TYPES 1 & 2	LMI - MISSLE D	4 PT. LOCK or ADAMS-RITE 8600	192" x 104"	70
GLASS TYPE 3	LMI - MISSILE E	4 PT. LOCK or ADAMS-RITE 8600	192" x 104"	70
GLASS TYPES. 4 & 5	NON-IMPACT**	4 PT. LOCK or ADAMS-RITE 8600	192" x 104"	70

**SHUTTERS ARE REQUIRED FOR WINDBORNE DEBRIS REGIONS

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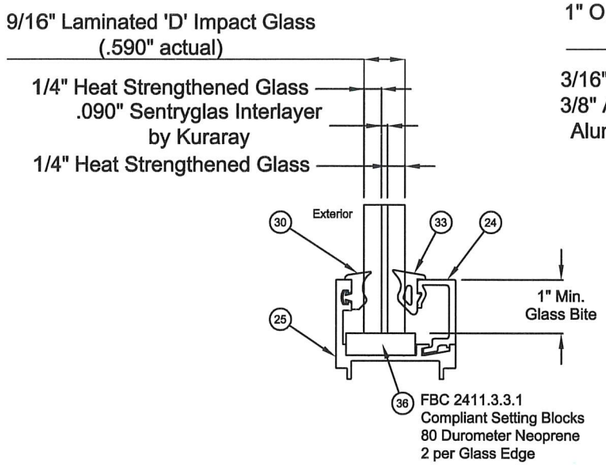
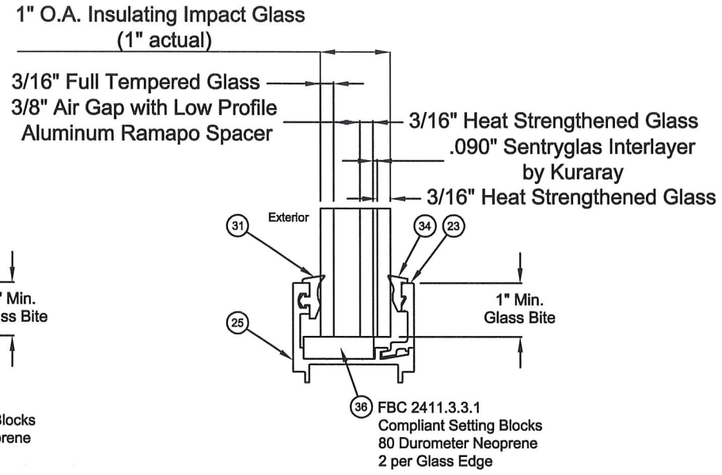
Glass Type 1
9/16" LAMINATED GLASS

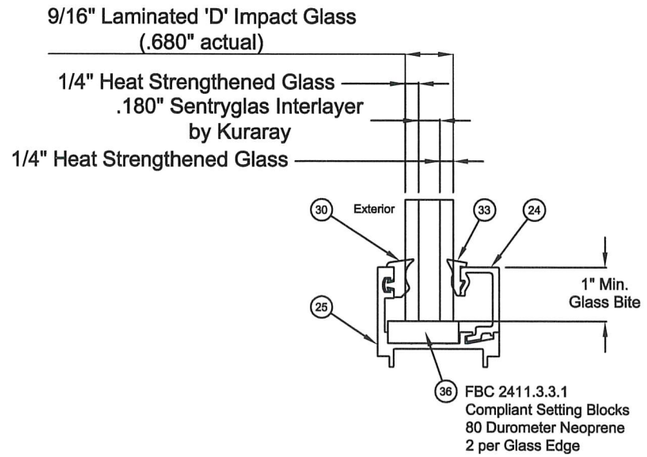


Glass Type 2
1" INSULATED LAMINATED GLASS



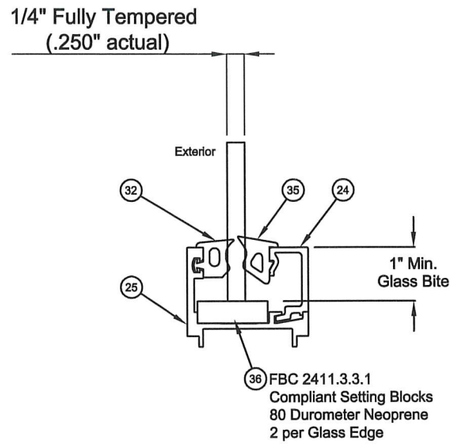
LEVEL D
LARGE AND SMALL MISSILE IMPACT

Glass Type 3
9/16" LAMINATED GLASS

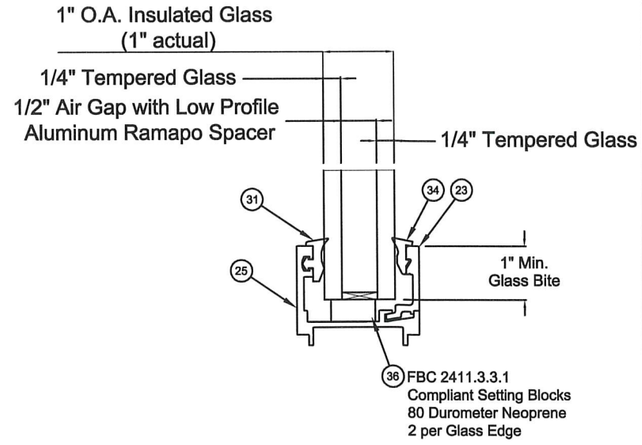


LEVEL E
LARGE AND SMALL MISSILE IMPACT

Glass Type 4
1/4" TEMPERED GLASS



Glass Type 5
1" INSULATED TEMPERED GLASS



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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BI-PARTING AND SINGLE SLIDING
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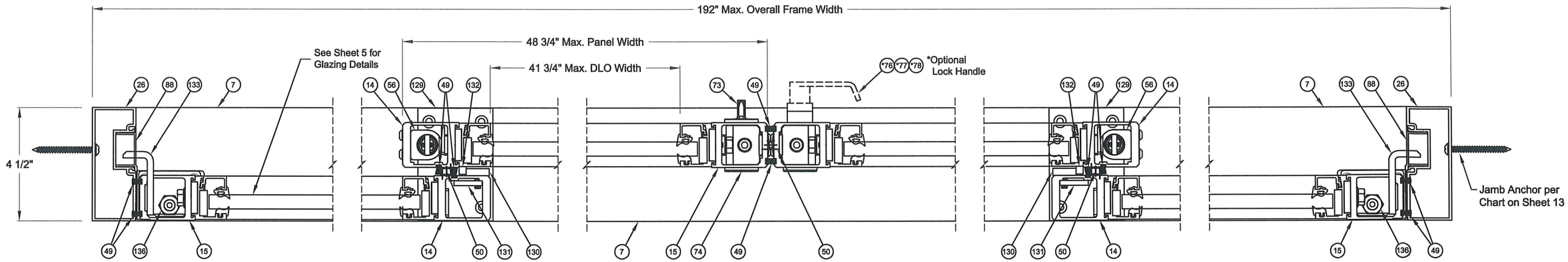
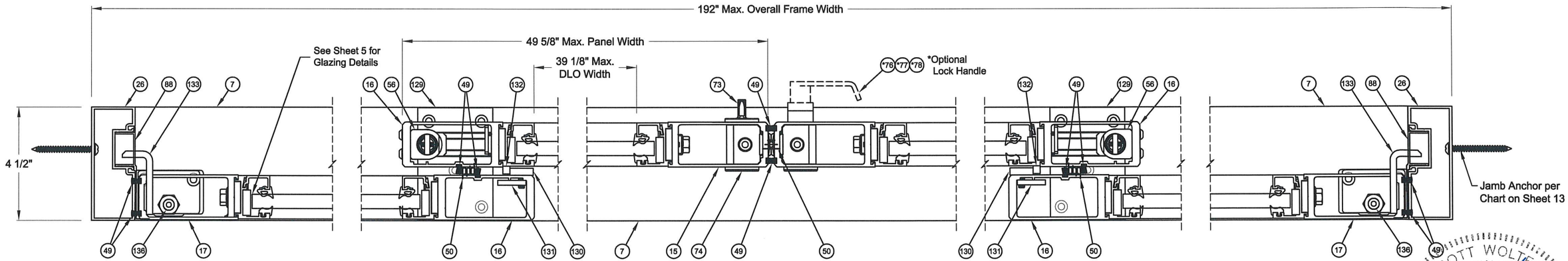


Section C-C, Narrow Stile
BI-PARTING FULL BREAKOUT SHOWN



	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	95 7/8"	81 7/8"
7" Bottom Rail	95 7/8"	78 7/8"
10" Bottom Rail	95 7/8"	75 7/8"

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

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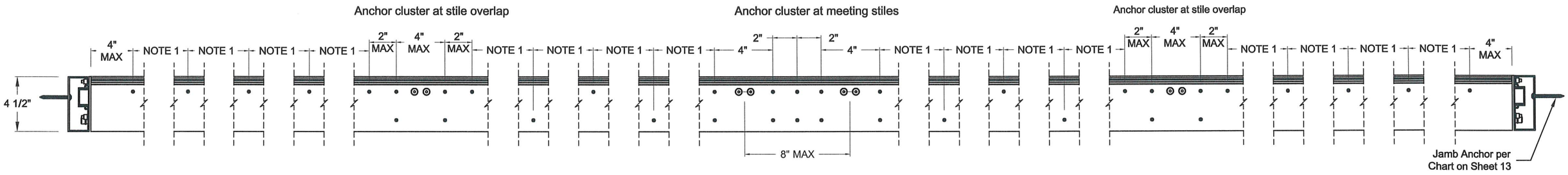
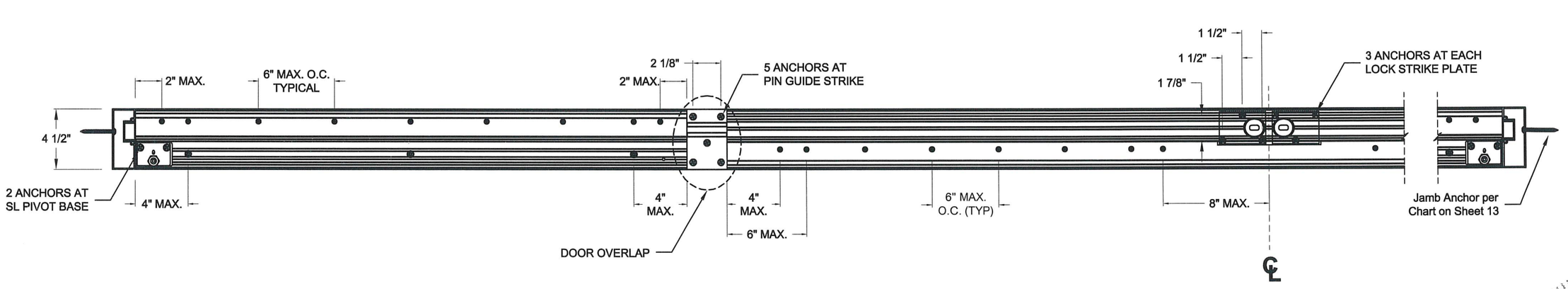


NOTE 1: 10 1/2" Max. O.C.

BI-PART HEADER ANCHOR LOCATIONS



BI-PART SILL ANCHOR LOCATIONS

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

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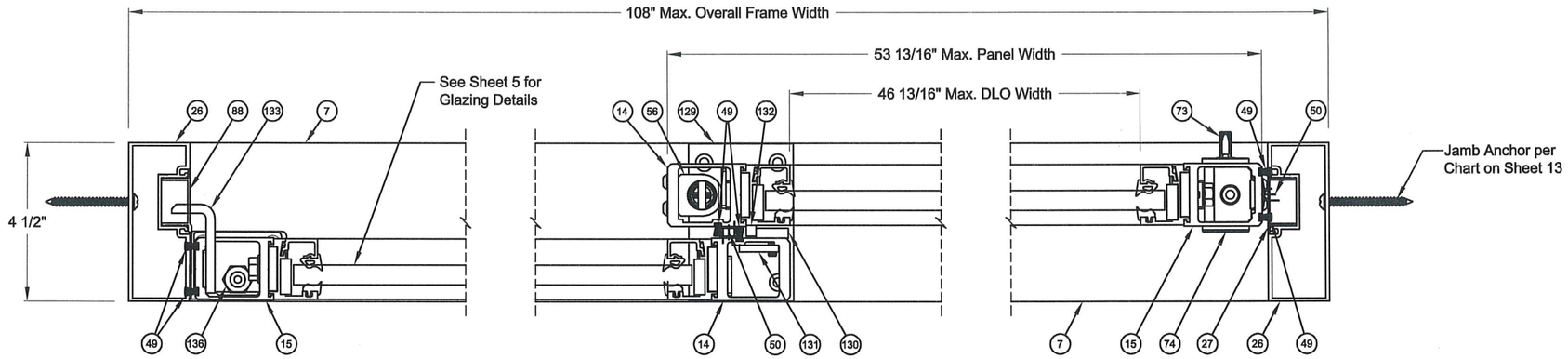
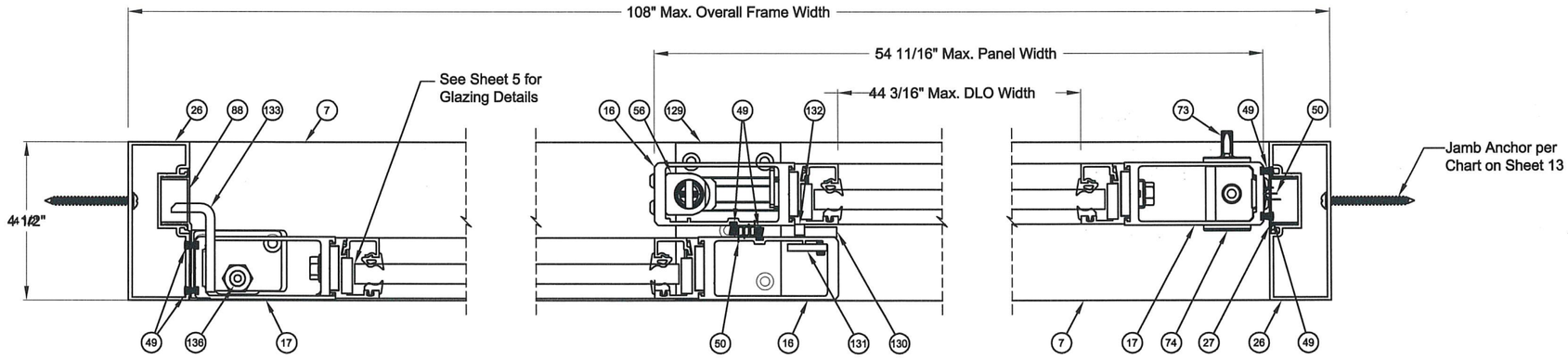


Section F-F, Narrow Stile
SINGLE SLIDE FULL BREAKOUT SHOWN



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

	Max. Panel Width	Max. DLO Width
Narrow Stile	53 13/16"	46 13/16"
Medium Stile	54 11/16"	44 3/16"

	Max. Panel Height	Max. DLO Height
4" Bottom Rail	95 7/8"	81 7/8"
7" Bottom Rail	95 7/8"	78 7/8"
10" Bottom Rail	95 7/8"	75 7/8"

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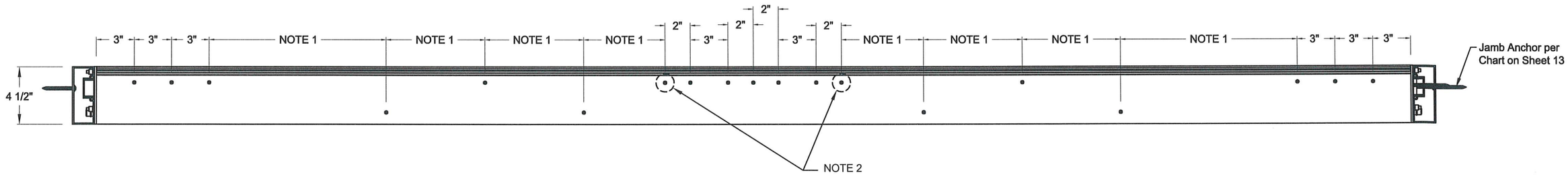
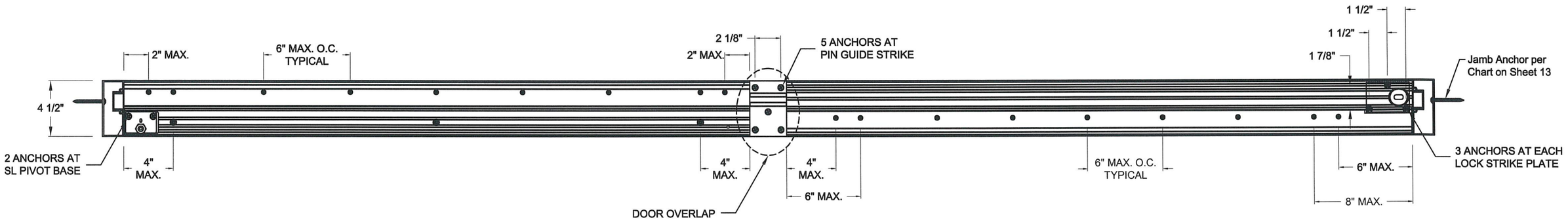


NOTE 1: 10 1/2" Max. O.C.

NOTE 2: Circled Anchor Locations Required for Wood Installation Only

SINGLE SLIDE HEADER ANCHOR LOCATIONS



SINGLE SLIDE SILL ANCHOR LOCATIONS

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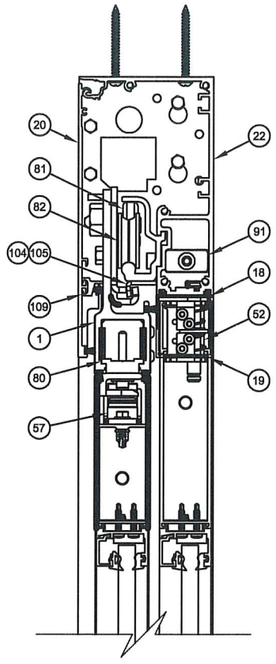
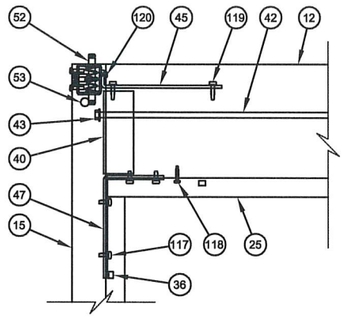
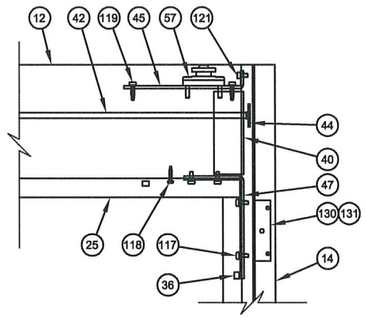


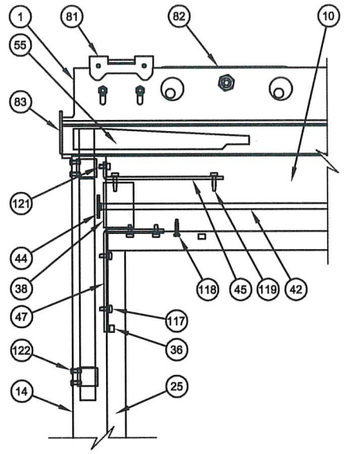
Section A-A



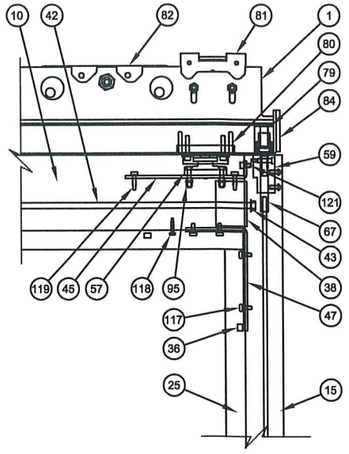
Sidelite
Top Jamb Corner



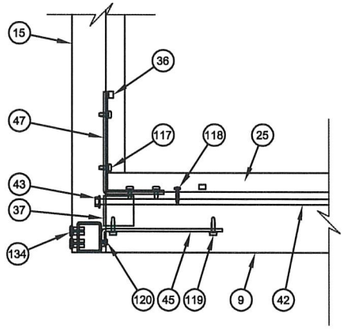
Sidelite
Top Lead Corner



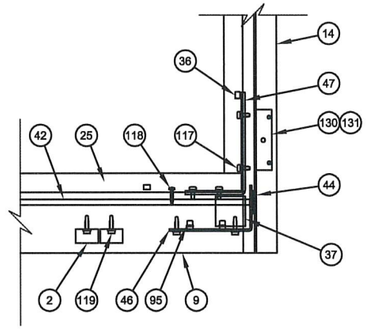
Active Leaf
Top Jamb Corner



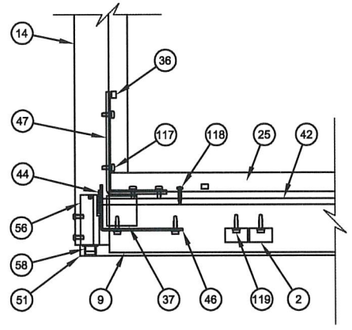
Active Leaf
Top Lead Corner



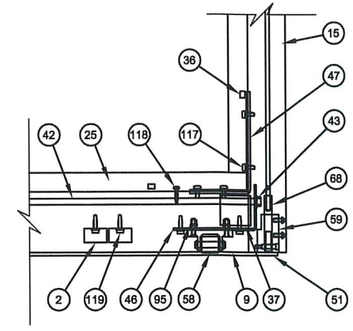
Sidelite
Bottom Jamb Corner



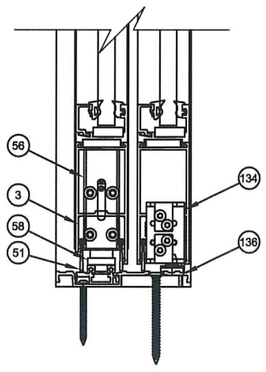
Sidelite
Bottom Lead Corner



Active Leaf
Bottom Jamb Corner



Active Leaf
Bottom Lead Corner



Section B-B

SCOTT WOLTERS
FL PE# 62354

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

SEAL:

SCOTT WOLTERS LICENSE No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER

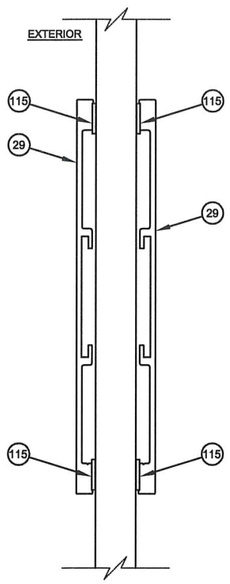
APR 24 2023

DWG NO.	1023672
DRAWN BY	DBN
DATE	04/24/23
SHEET DESCRIPTION	
SHEET NO.	10 OF 20

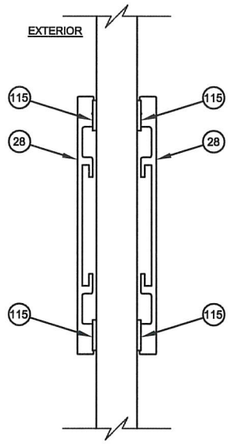
RECORD U.S.A. INC.
4324 PHIL HARGETT COURT
P.O. BOX 3099
MONROE, NC 28111
PHONE: 1-866-237-2687

RECORD
WINDCORD 5400/5500 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
FULL BREAKOUT

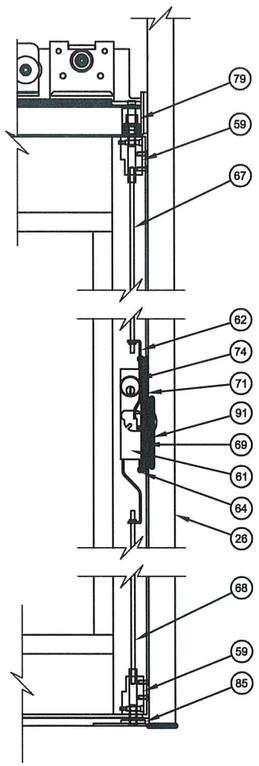
Revisions			
Rev	Description	Date	Approved
1	Initial Release		CBG



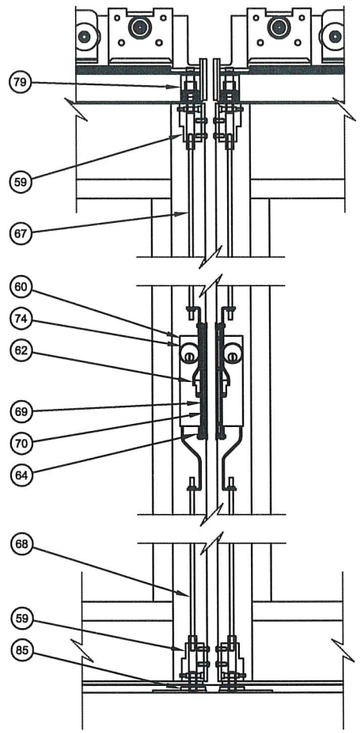
Section E-E
4" Surface Applied Muntin



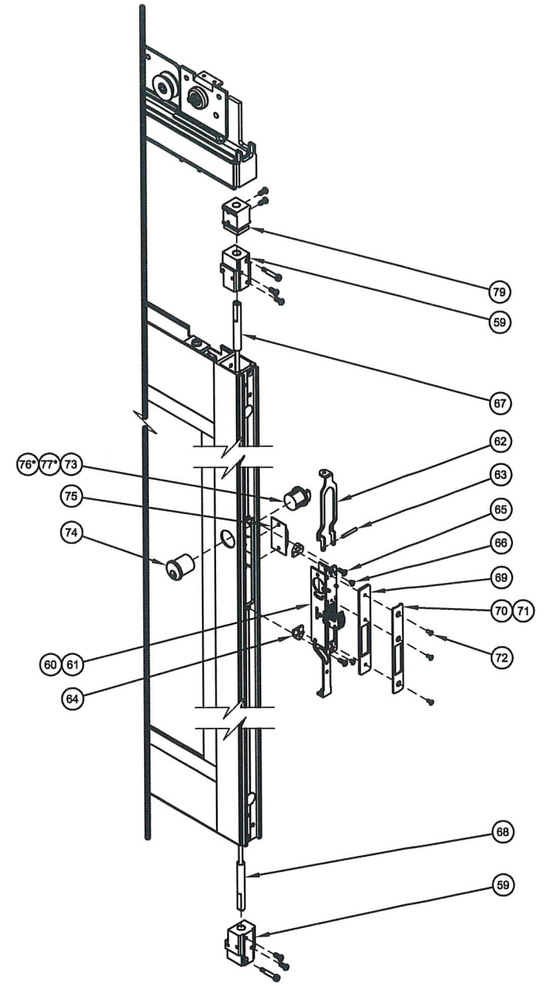
Section E-E
2" Surface Applied Muntin



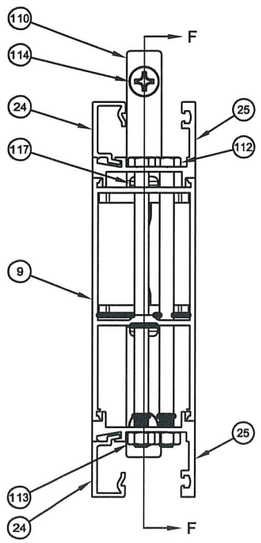
Single Slide
3-Point Lock



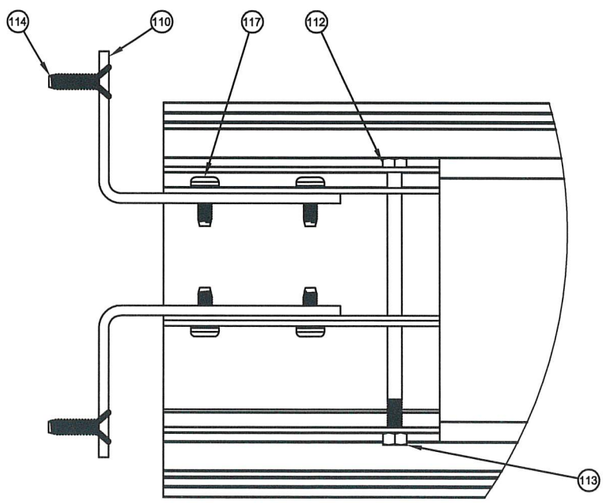
Bi-Part
4-Point Lock



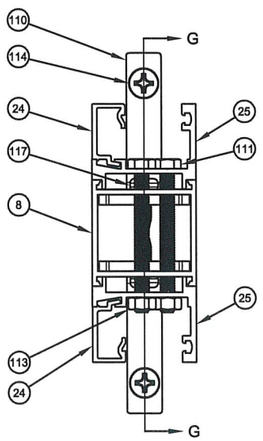
Locking System
(Single Slide shown)



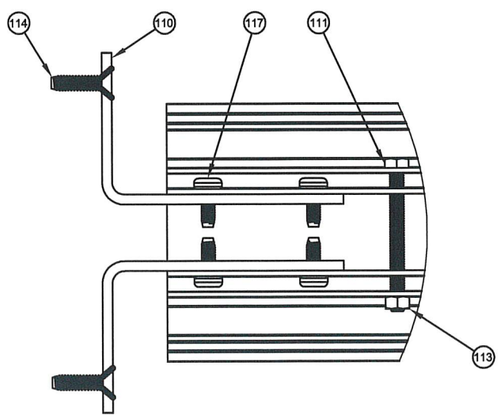
Section D-D
True Divided 4" Muntin



Section F-F
True Divided 4" Muntin



Section D-D
True Divided 2" Muntin



Section G-G
True Divided 2" Muntin

SCOTT WOLTERS
FL PE# 62354

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PH/FAX:(561) 225-1982

SEAL: No 62354
STATE OF FLORIDA
SCOTT WOLTERS LICENSED PROFESSIONAL ENGINEER
APR 24 2023

DWG NO.	1023672
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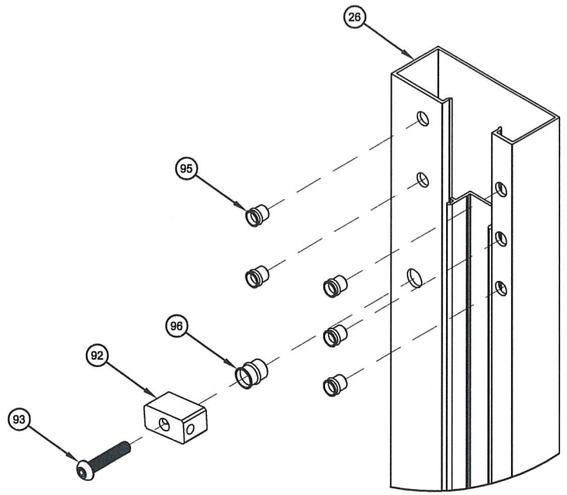
SHEET DESCRIPTION	
SHEET NO.	11 OF 20

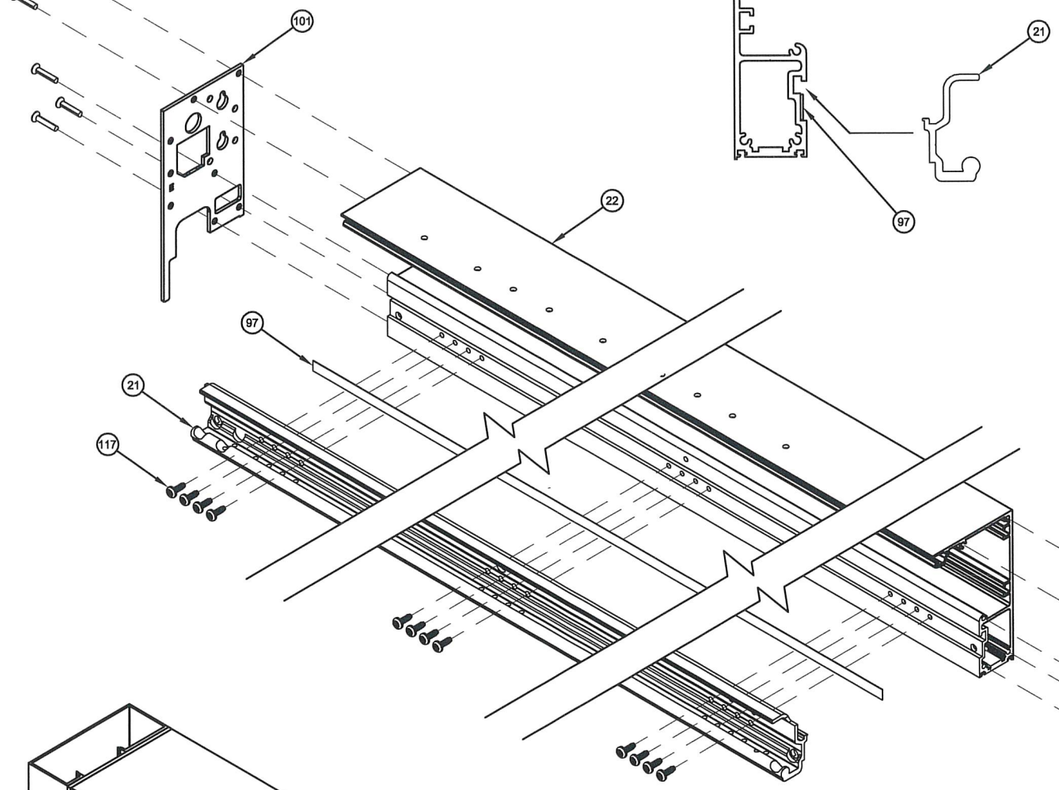
RECORD U.S.A. INC.
4324 PHIL HARGETT COURT
P.O. BOX 3099
MONROE, NC 28111
PHONE: 1-866-237-2687

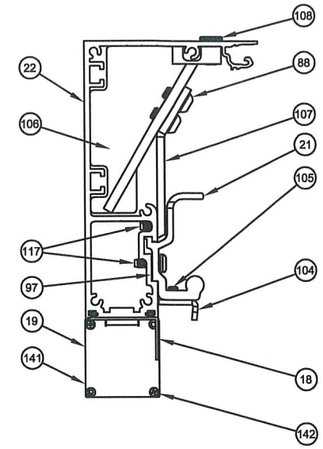
RECORD
WINDCORD 5400/5500 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
FULL BREAKOUT

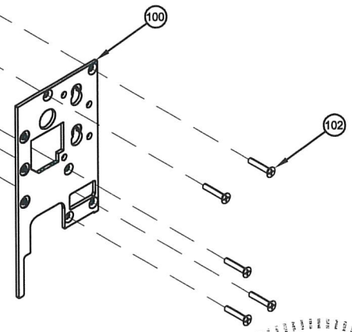
Revisions			
Rev	Description	Date	Approved
1	Initial Release		CBG



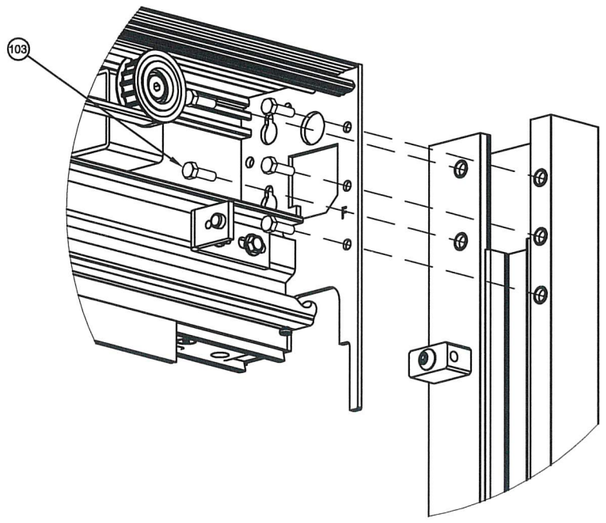
JAMB ASSEMBLY

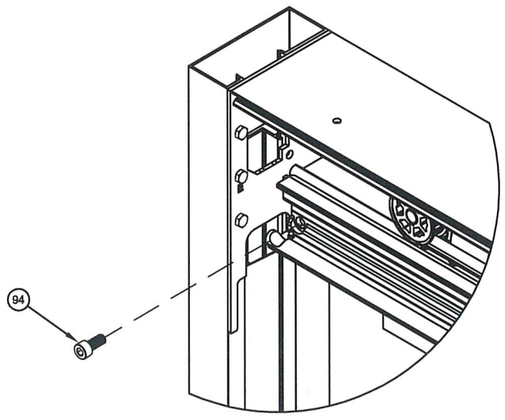






TYPICAL TRACK TO BEAM





TYPICAL BEAM TO JAMB

SCOTT WOLTERS
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SEAL: SCOTT WOLTERS LICENSE No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER APR 24 2023

DWG NO.	1023672
DRAWN BY	DBN
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SHEET DESCRIPTION	
SHEET NO.	12 OF 20

RECORD U.S.A. INC.
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P.O. BOX 3099
MONROE, NC 28111
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RECORD
WINDCORD 5400/5500 SLIDING DOOR SYSTEM
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FULL BREAKOUT

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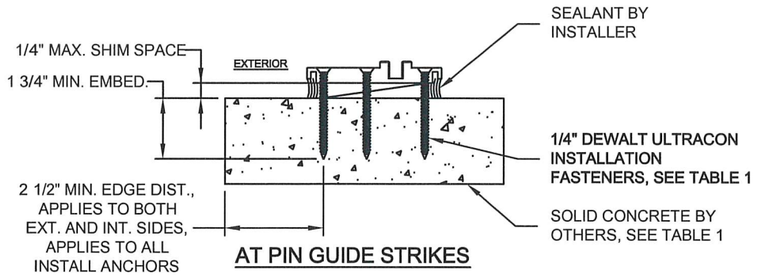
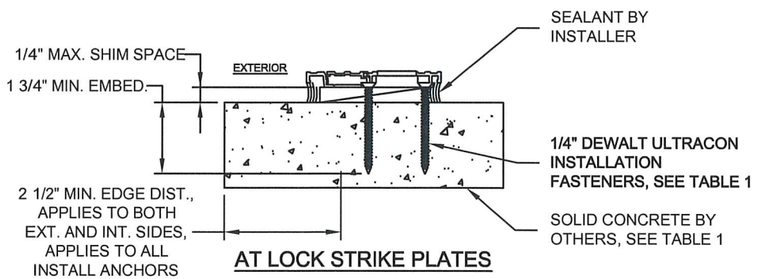
1	Initial Release		CBG

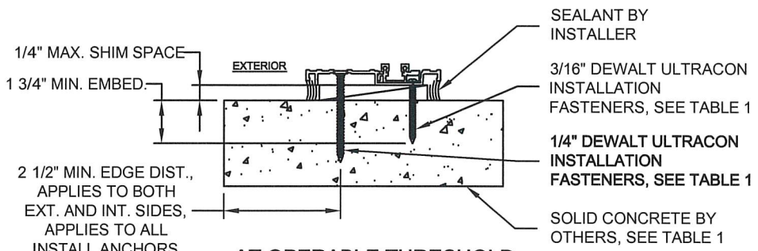
TYPICAL SILL ANCHOR DETAILS IN CONCRETE



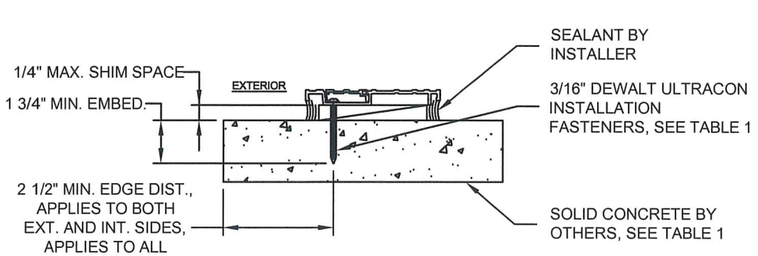
AT PIN GUIDE STRIKES



AT LOCK STRIKE PLATES

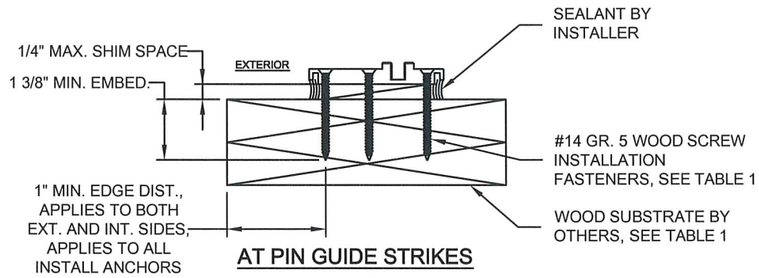


AT OPERABLE THRESHOLD

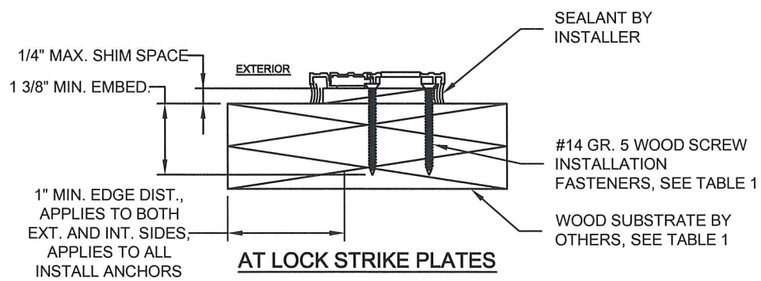


AT OPERABLE THRESHOLD

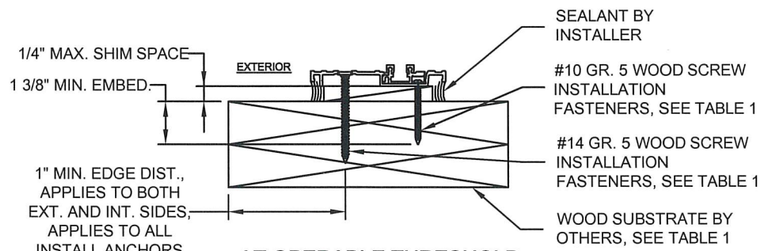
TYPICAL SILL ANCHOR DETAILS IN WOOD



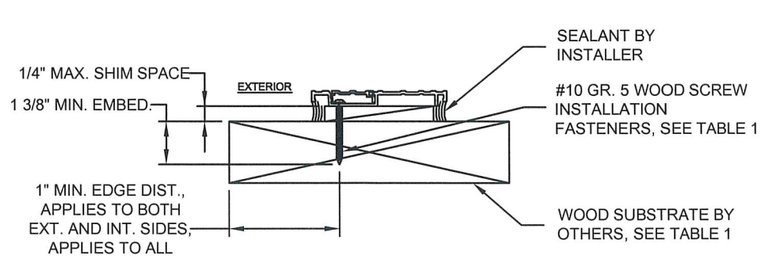
AT PIN GUIDE STRIKES



AT LOCK STRIKE PLATES



AT OPERABLE THRESHOLD



AT OPERABLE THRESHOLD

TABLE 1: INSTALLATION ANCHOR REQUIREMENTS

SUBSTRATE TYPE	ANCHOR TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE
CONCRETE (2.85 ksi MIN)	1/4" DIA. ULTRACON (TYPICALLY)	1 3/4"	2 1/2"
	3/16" DIA. ULTRACON (AT THRESHOLD ONLY)	1 3/4"	2 1/2"
HOLLOW OR GROUT FILLED CMU (ASTM C90 MIN) (JAMBS ONLY)	1/4" DIA. ULTRACON	1 3/4"	2 1/2"
2X P.T. WOOD (S.G. = 0.55, MIN)	#14 GRADE 5 WOOD SCREW	1 3/8"	1"
	#10 GRADE 5 WOOD SCREW	1 3/8"	1"
STEEL STUD (16 Ga, 45 ksi MIN)	1/4" DIA. ITW TEKS SELF-DRILLING SCREW	FULL**	1/2"
**FULLY PENETRATES METAL WITH 3 THREADS BEYOND			

GENERAL ANCHOR NOTES:

1. INSTALL ANCHORS AS INDICATED IN DETAILS ON SHEETS 2 THRU 9.
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 ELSWHERE AT CMU JAMBS. FOR ALL OTHER ANCHOR/SUBSTRATE TYPES (SEE TABLE 1) ENSURE 1 1/2" MIN. ON-CENTER SPACING BETWEEN ANY TWO INSTALLATION ANCHORS.
6. 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. DEWALT ULTRACONS. ANCHORS THAT PENETRATE DOOR HARDWARE OR STRIKE PLATES ARE 1/4" DIA. DEWALT ULTRACONS.

SCOTT WOLTERS
FL PE# 62354

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SHEET NO.	13 OF 20

RECORD U.S.A. INC.
4324 PHIL HARGETT COURT
P.O. BOX 3099
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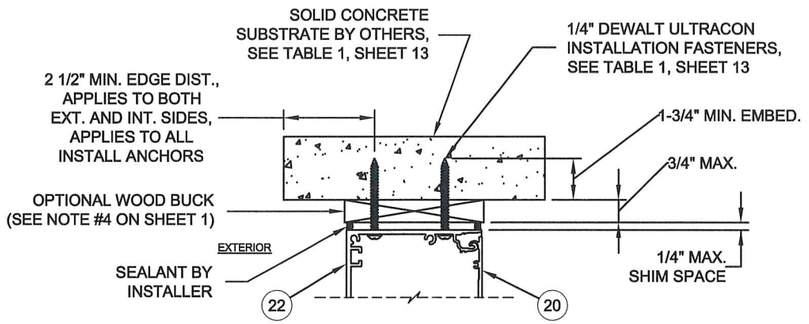
PHONE: 1-866-237-2687

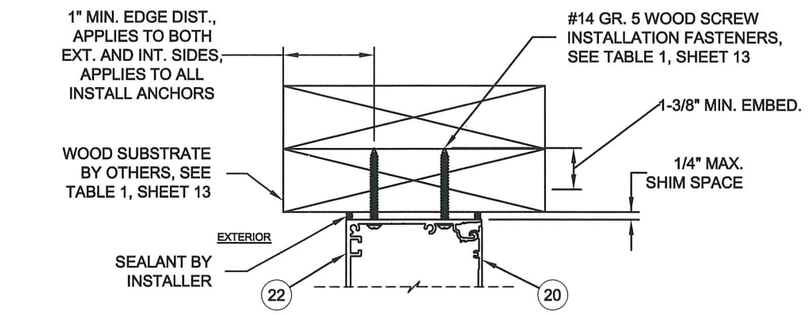
RECORD
WINDCORD 5400/5500 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
FULL BREAKOUT

Revisions			
Rev	Description	Date	Approved
1	Initial Release		CBG

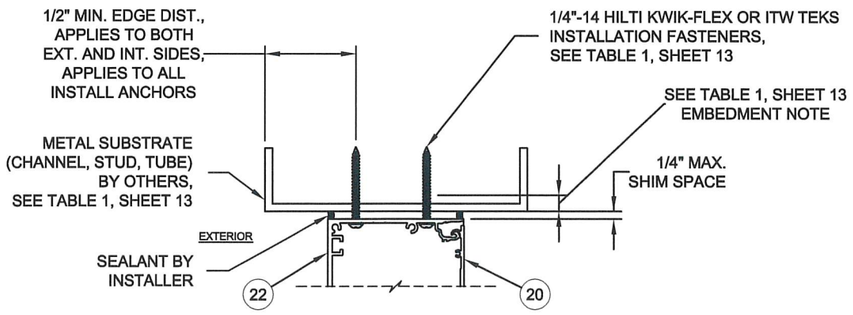
TYPICAL HEADER ANCHOR DETAILS



INTO CONCRETE

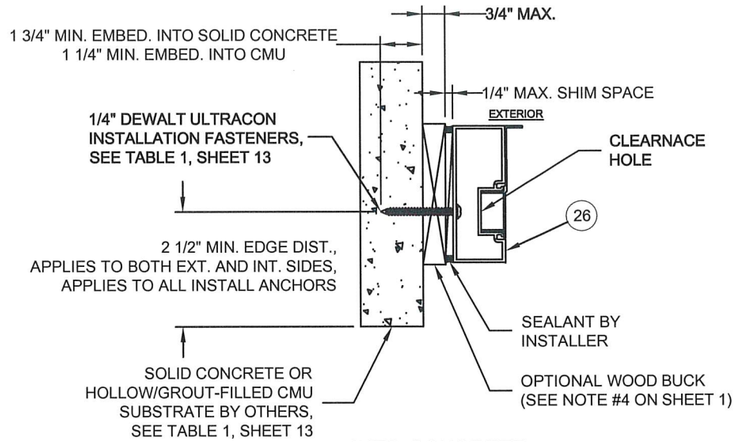


INTO WOOD



INTO METAL

TYPICAL JAMB ANCHOR DETAILS



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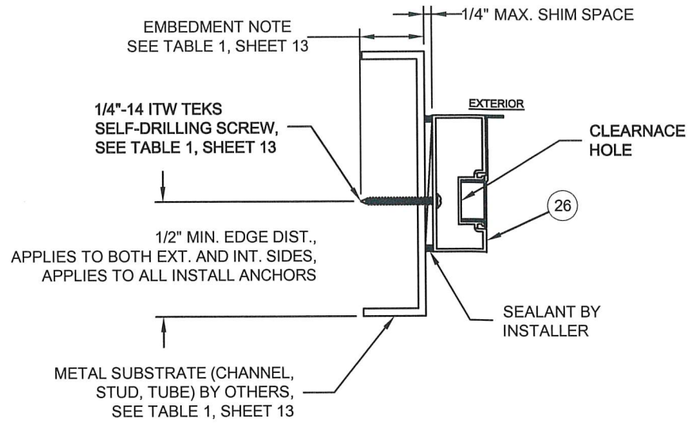
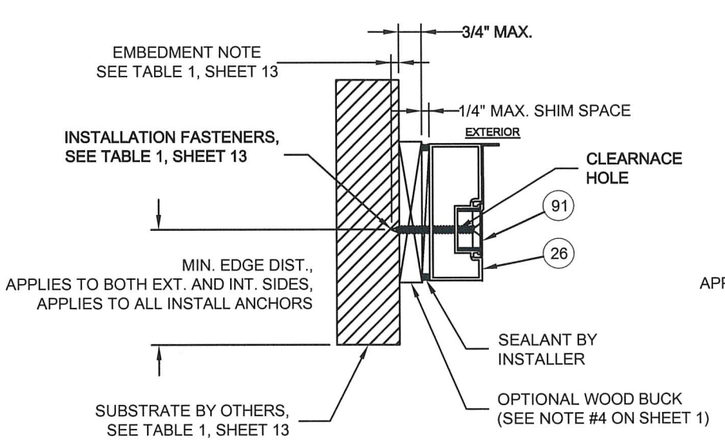
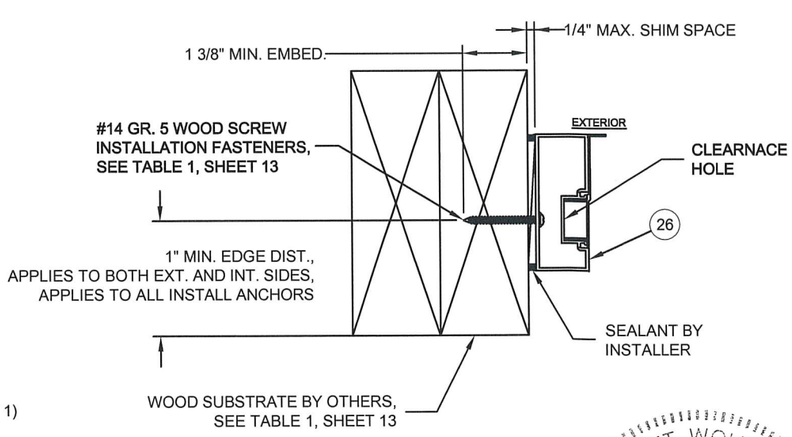


INTO METAL



TYP. JAMB LOCK STRIKE INSTALLATION



INTO WOOD

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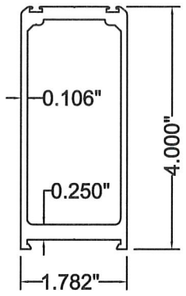
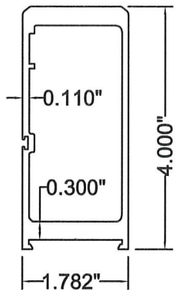
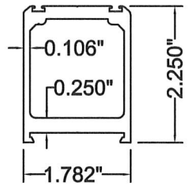


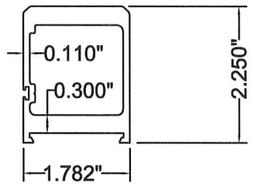
(17) V1M
6063-T5



(16) V2M
6063-T5



(15) V1N
6063-T5



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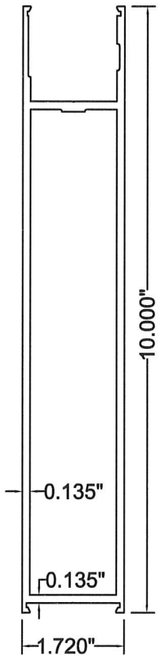
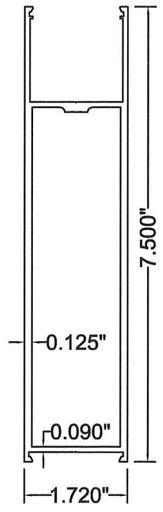
6063-T5



(13) H10
6063-T5



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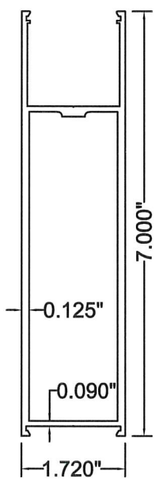
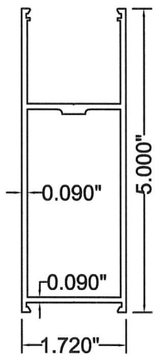
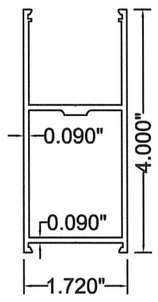
6063-T6



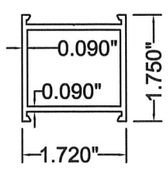
(11) H7
6063-T5



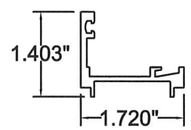
(10) H5
6063-T5



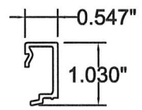
(9) H4
6063-T5



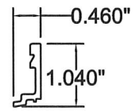
(8) H2
6063-T5



(25) Gutter
6063-T5

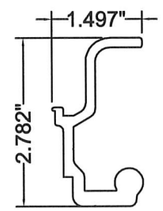


(24) 9/16" Snap
6063-T5

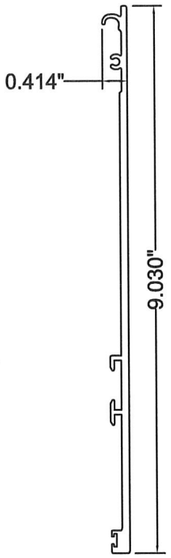


(23) 1" Snap
6063-T6

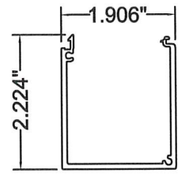
(22) Record
Hurricane Beam
6063-T6



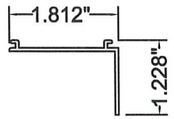
(21) Resilience Track
6063-T5



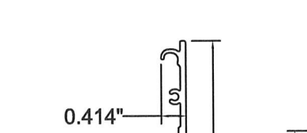
(20) Record
Hurricane Cover
6063-T5



(19) Record Hurricane
Sensor Cap
6063-T6

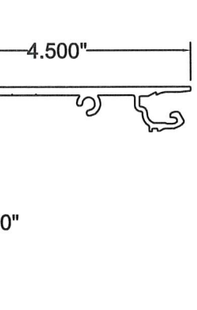


(18) S/L Cap
6063-T5



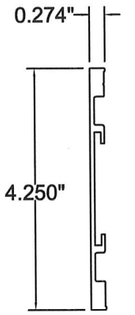
(88) Resilience Jamb Filler
6063-T6

(1) Carrier
6063-T6

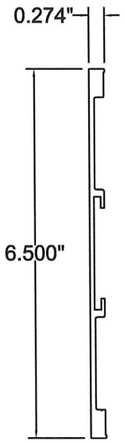


(26) Jamb
6063-T6

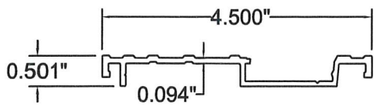
(27) Jamb Snap
6063-T6



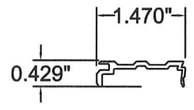
(28) 2" Surface
Applied Muntin
6063-T6



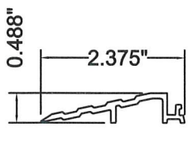
(29) 4" Surface
Applied Muntin
6063-T6



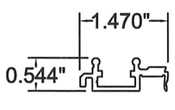
(7) Threshold
6063-T6



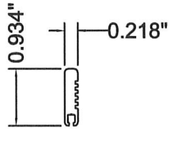
(6) Filler
6063-T5



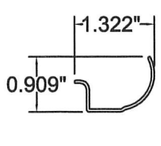
(5) Leadup
6063-T5



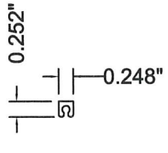
(4) Pin Guide
6063-T5



(3) Sweep Housing
6063-T5



(2) Sweep Clip
6063-T5



(87) Track Cap
Nylon 6

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 SEAL No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER
APR 24 2023

DWG NO.	1023672
DRAWN BY	DBN
DATE	04/24/23
SHEET DESCRIPTION	
SHEET NO.	15 OF 20

RECORD U.S.A. INC.
4324 PHIL HARGETT COURT
P.O. BOX 3099
MONROE, NC 28111
PHONE: 1-866-237-2687

RECORD
WINDCORD 5400/5500 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
FULL BREAKOUT

Revisions			
Rev	Description	Date	Approved
1	Initial Release		CBG

POS.	DESCRIPTION	PART NO.
1	Carrier	1015669
2	Sweep Clip	1013780
3	Sweep Housing	US01-0685
4	Pin Guide	1013866
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	Record Hurricane Sensor Cap	1022922
20	Record Hurricane Cover	1022921
21	XG Resilience Track	1015670
22	Record Hurricane Beam	1022920
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
x 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	Resilience Pin Guide Assembly	1016658
57	SL500 Resilience Ball Catch Kit	1017039
58	XG Resilience Tee Block	1016649
59	XG Resilience HD Lock Pin Guide Kit	1019780
60	2 PT Lock	1703500
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	Track Cap	50-20-135
88	Resilience Jamb Filler	1016844
89	Jamb Interlock Strike	US04-0948
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	Record Hurricane Beam End Plate F	1022929

POS.	DESCRIPTION	PART NO.
101	Record Hurricane Beam End Plate E	1022928
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	Record Hurricane Support Bracket Assembly	1022927
107	Record Hurricane Support Bracket D	1022926
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 M6x20mm 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	Pin Guide Strike	1016611
130	Kit, Resilience Interlock Bar	1018093
131	Nut Plate, Interlock	1019247
132	Kit, Interlock Hook	1018059
133	Kit, Resilience Jamb Interlock Hook	1018092
134	Bottom Pivot Assembly	1012548
136	Resilience S/L Pivot Base Kit	1019262
137	AdamsRite 8600 Exit Device - Optional	G86-11-XX
138	Level E Lock Guard, Left	1017889
139	Level E Lock Guard, Right	1017890
140	#10-16 x 5/8" PPH Tek Screw	53-09-003
141	Record Hurricane, Sensor Cap End Plate	1022942
142	M3x8 PPH Screw	1701705

SCOTT WOLTERS
FL PE# 62354

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

SEAL: SCOTT WOLTERS LICENSE No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER
APR 24 2023

DWG NO.	1023672
DRAWN BY	DBN
DATE	04/24/23
SHEET DESCRIPTION	
SHEET NO.	16 of 20

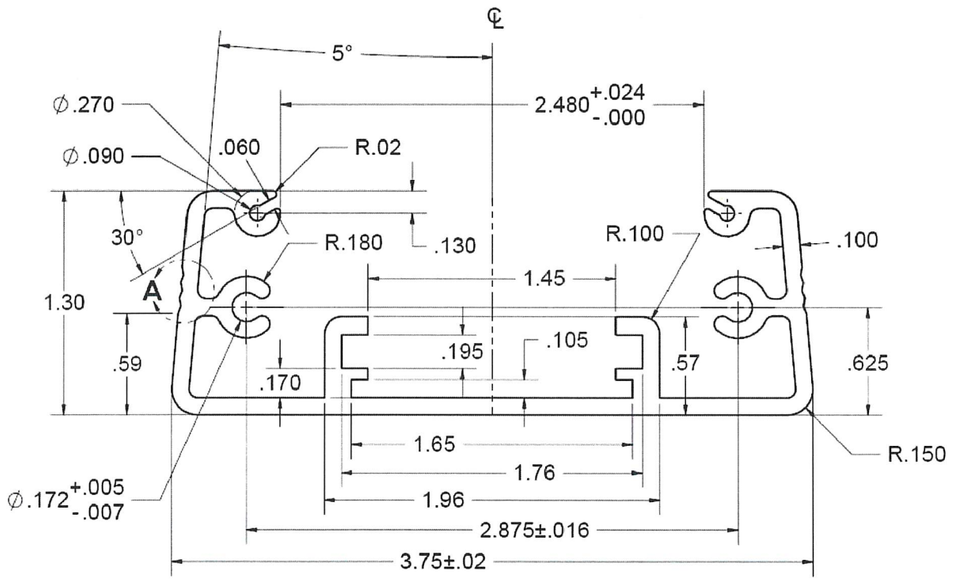
RECORD U.S.A. INC.
4324 PHIL HARGETT COURT
P.O. BOX 3099
MONROE, NC 28111
PHONE: 1-866-237-2687

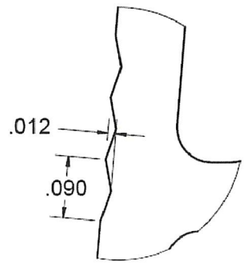
RECORD
WINDCORD 5400/5500 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
FULL BREAKOUT

Revisions			
Rev	Description	Date	Approved
1	Initial Release		CBG

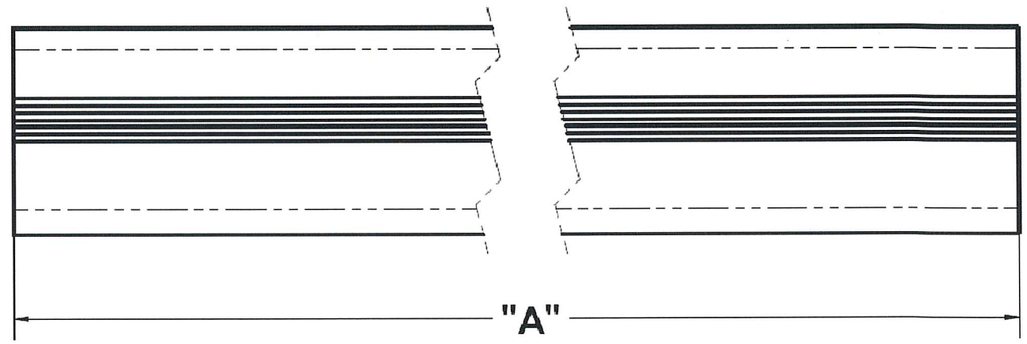
RECORD WINDCORD FULL BREAKOUT
LARGE & SMALL MISSLE IMPACT LEVEL D AND LEVEL E DOOR SYSTEM
ITEM NO. 137 - ADAMS RITE G86 (8600) EXIT DEVICE EXTRUSION
DETAILS - INTERIOR EXTRUSION

EXTRUSION
PUSH BAR G8X





DETAIL A
SCALE 8 : 1



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

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

NOTES: UNLESS OTHERWISE SPECIFIED.

SCOTT WOLTERS
FL PE# 62354

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

SEAL:
SCOTT WOLTERS LICENSED No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER
APR 24 2023

DWG NO.	1023672
DRAWN BY	DBN
DATE	04/24/23
SHEET DESCRIPTION	
SHEET NO.	17 OF 20

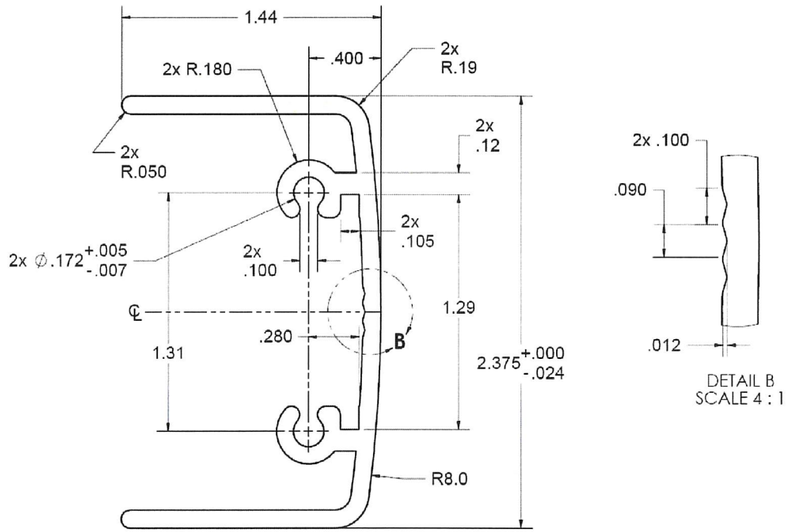
RECORD U.S.A. INC.
4324 PHIL HARGETT COURT
P.O. BOX 3099
MONROE, NC 28111
PHONE: 1-866-237-2687

RECORD
WINDCORD 5400/5500 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
FULL BREAKOUT

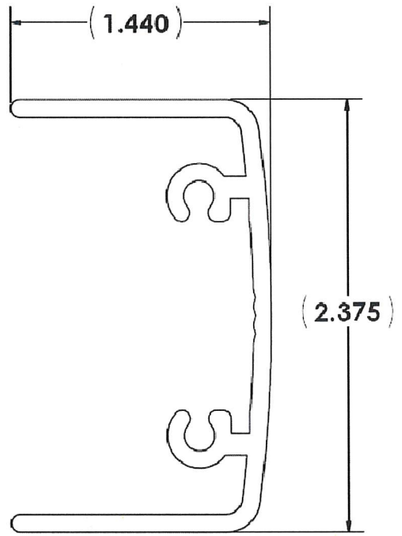
Revisions			
Rev	Description	Date	Approved
1	Initial Release		CBG

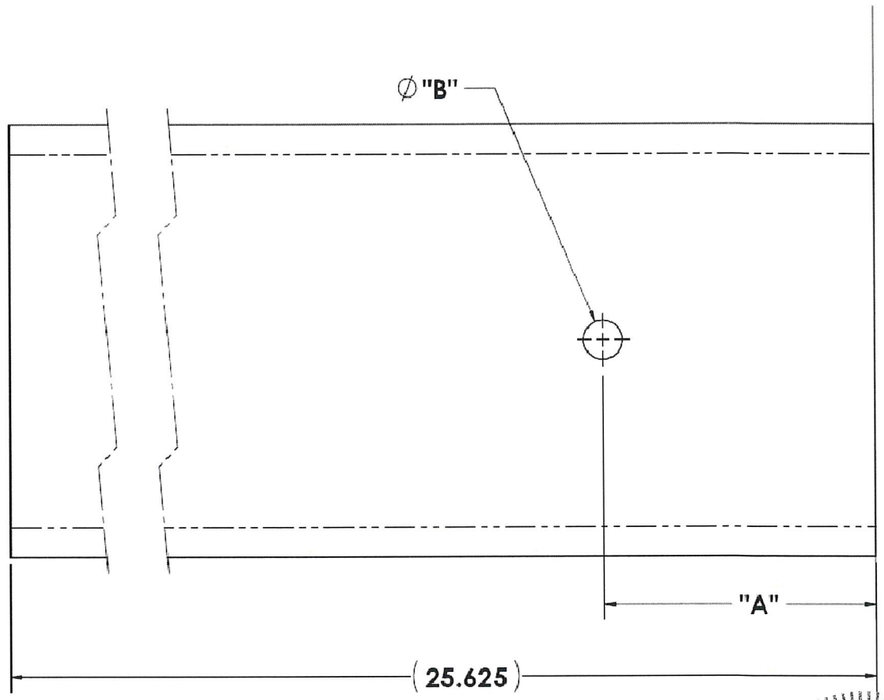
RECORD WINDCORD FULL BREAKOUT
LARGE & SMALL MISSLE IMPACT LEVEL D AND LEVEL E DOOR SYSTEM
ITEM NO. 137 - ADAMS RITE G86 (8600) EXIT DEVICE EXTRUSION
DETAILS - EXTERIOR EXTRUSION

EXTRUSION
PUSH BAR G8X



DETAIL B
SCALE 4 : 1





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

NOTES: UNLESS OTHERWISE SPECIFIED.

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

INTO WOOD

SCOTT WOLTERS
FL PE# 62354

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

SEAL: No 62354
SCOTT WOLTERS LICENSED
STATE OF FLORIDA
PROFESSIONAL ENGINEER
APR 24 2023

DWG NO. 1023672
DRAWN BY DBN
DATE 04/24/23
SHEET DESCRIPTION
SHEET NO. 18 OF 20

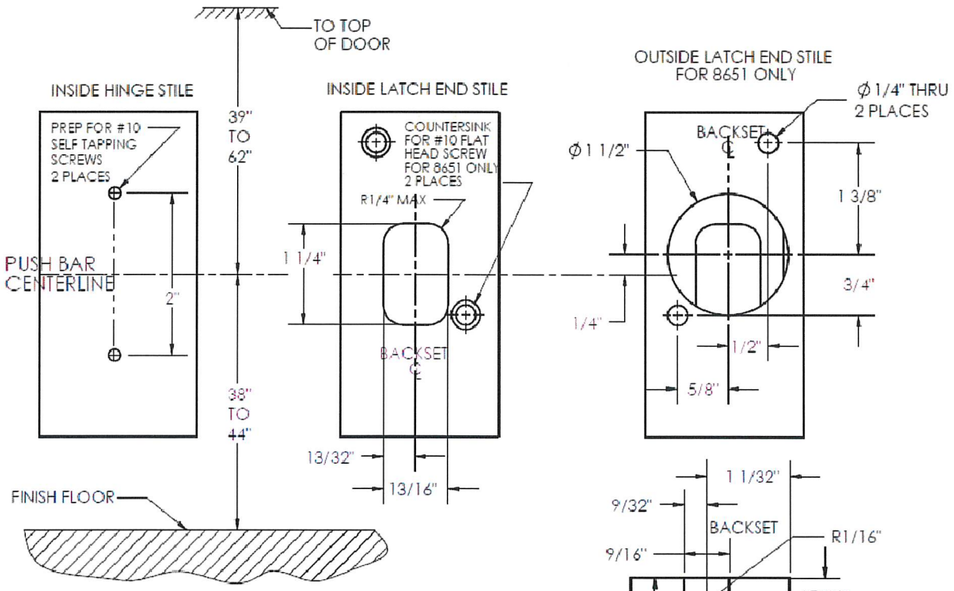
RECORD U.S.A. INC.
4324 PHIL HARGETT COURT
P.O. BOX 3099
MONROE, NC 28111
PHONE: 1-866-237-2687

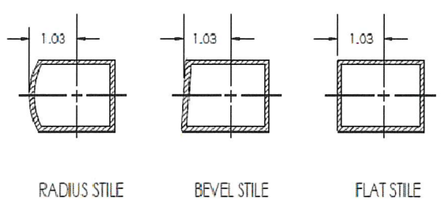
RECORD
WINDCORD 5400/5500 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
FULL BREAKOUT

Revisions			
Rev	Description	Date	Approved
1	Initial Release		CBG

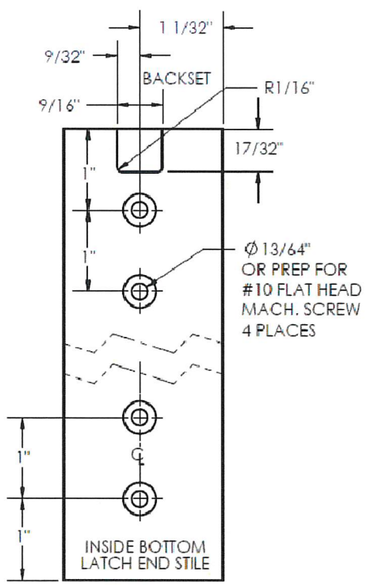
RECORD WINDCORD FULL BREAKOUT
LARGE & SMALL MISSLE IMPACT LEVEL D AND LEVEL E DOOR SYSTEM
ITEM NO. 137 - ADAMS RITE G86 (8600) EXIT DEVICE
INSTALLATION DETAIL - SHEET 1

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

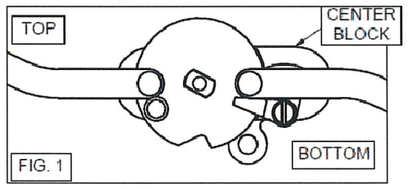




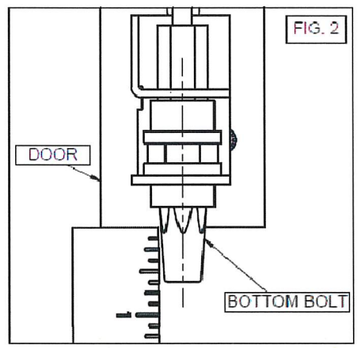
BACKSET IS MEASURED AT DOOR CENTERLINE, NOT THE EDGE.



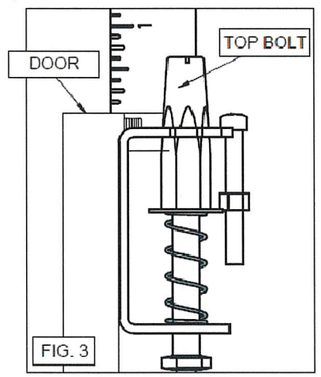
2. Pre-adjust rod assembly.
   a. Lay rod assembly on the face of the door with center block protruding into installation hole.
   b. Fully extend rods as shown.



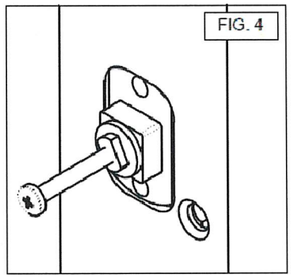
   c. Adjust bottom bolt for 5/8" projection from bottom of door.



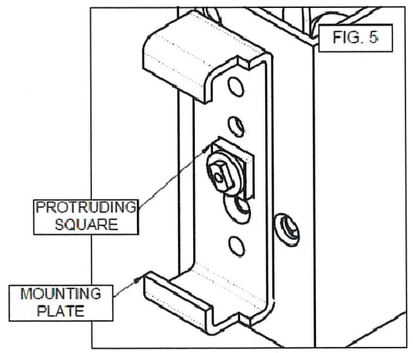
   d. Set the top bolt for 5/8" projection from top of door.



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



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



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SEAL
SCOTT WOLTERS LICENSE No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER
APR 24 2023

DWG NO.	1023672
DRAWN BY	DBN
DATE	04/24/23
SHEET DESCRIPTION	
SHEET NO.	19 OF 20

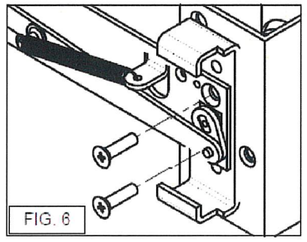
RECORD U.S.A. INC.
4324 PHIL HARGETT COURT
P.O. BOX 3099
MONROE, NC 28111
PHONE: 1-866-237-2687

RECORD
WINDCORD 5400/5500 SLIDING DOOR SYSTEM
BI-PARTING AND SINGLE SLIDING
FULL BREAKOUT

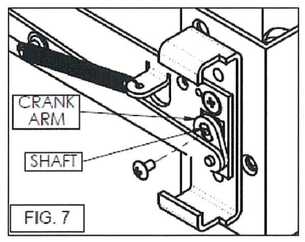
Revisions			
Rev	Description	Date	Approved
1	Initial Release		CBG

RECORD WINDCORD FULL BREAKOUT
LARGE & SMALL MISSLE IMPACT LEVEL D AND LEVEL E DOOR SYSTEM
ITEM NO. 137 - ADAMS RITE G86 (8600) EXIT DEVICE INSTALLATION
DETAIL - SHEET 2

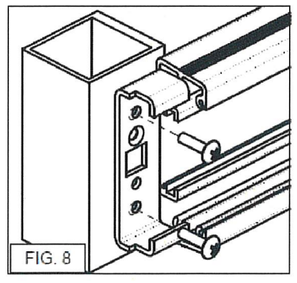
f. Place scissor cartridge on center block and secure with two 10-32 x 3/4" flat head machine screws.



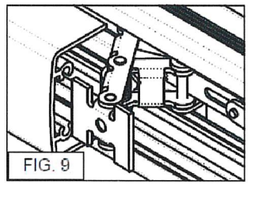
7. Secure crank arm
   a. Remove helper screw.
   b. Align crank arm with shaft. You may have to operate the push bar scissors to align tab with slot .
   c. Secure with one 6-32 x 1/4" truss head machine screw.

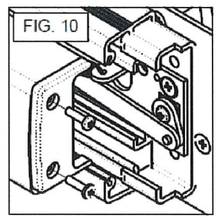


8. Insert mounting plate from the hinge side onto the back bar and secure with two 10-32 x 3/4" self-tapping screws on the triangle side stile.

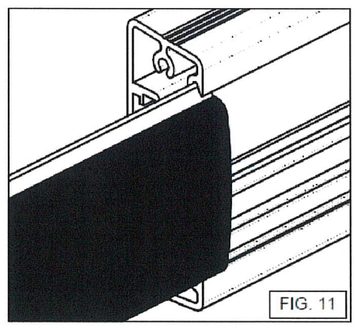


9. Insert push bar and secure end caps with four 10-32 x 1/2" self-tapping screws.

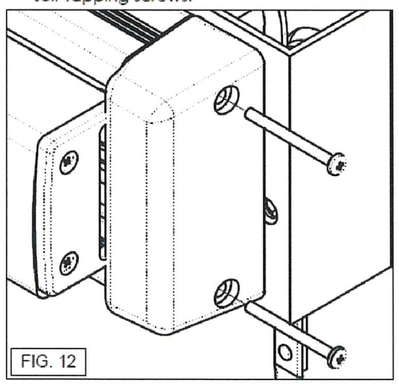




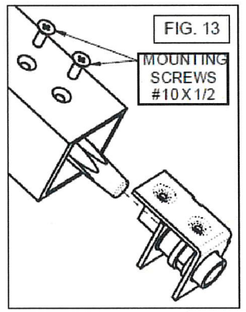
10. Insert cover strip into back bar. Push in until flush with back bar extrusion.

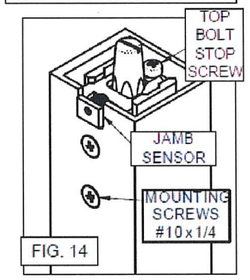


11. Install base caps and secure with four 10-32 x 2" self-tapping screws.

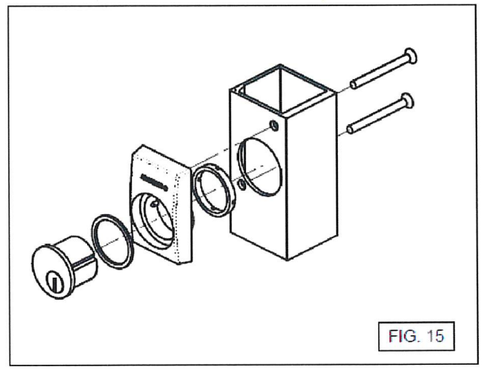


12. Insert bottom bolt (Fig. 13) guide with the plastic guide towards the bottom. And secure with two 10-32x1/2" flat head machine screws. The bottom screw will lock the bottom bolt adjustment, leave this screw loose until final adjustment.
13. Secure top latch (Fig. 14) assembly
    a. If necessary, depress the jam sensor to release the top bolt.
    b. Secure with two 10-32 x 1/4" flat head machine screws.
14. Check operation:
    a. Fully depress the push bar and release.
    b. Top bolt will retract & latch.
    c. If it doesn't hold - adjust top bolt stop screw out until top bolt is retained.
    d. When the push bar is completely pushed in and then released, you should see about 1/16" movement of the top bolt.

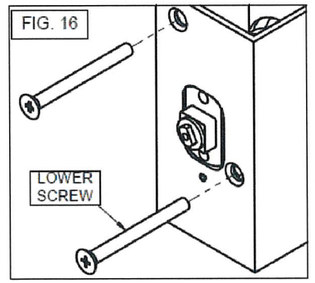




15. Check operation: push top jam sensor.
    a. Top bolt will project.
    b. If it doesn't - check rods for binding.
16. Now install the door into the frame.
17. Mark the locations for the bolt holes very carefully.
    a. Misalignment of these holes will prevent the bolts from fully traveling into the deadlocked position.
    b. Don't forget to allow for weather stripping.
18. Drill Ø9/16" holes where required.
19. Now close the door and repeat step 13 - check operation.
20. If you have excessive door gaps at the top or bottom, you may adjust the bolts for greater engagement with the header or threshold.
    a. Open the door.
    b. Top Adjusment:
       i. Measure the door gap at the header. (example: 1/4")
       ii. Add to this measurement 1/2" (example: 1/4"+1/2"=3/4")
       iii. Push in push bar to retract the top latch.
       iv. Adjust the top bolt to extend above the door by sum above. (example: 3/4")
       v. Repeat step 14.
    c. Bottom Adjustment:
       i. Loosen the bottom mounting screw of the bottom bolt guide.
       ii. Turn the bolt until there is approximately 1/16" to 1/8" clearance.
       iii. Secure the bottom mounting screw.
21. Installing Key Cylinder. (Fig. 15)
    a. Once you have completed Step 5, assemble the cylinder escutcheon as shown using the appropriate number of spacers to prevent



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



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