

CURRIES FLUSH SINGLE DOORS

PRODUCT MEETS REQUIREMENTS OF THE HIGH VELOCITY HURRICANE ZONE.
LARGE MISSILE IMPACT (LMI) - LEVEL "D"

INSTRUCTIONS FOR USING THIS APPROVAL

- STEP 1: USE THE DOOR ELEVATIONS PROVIDED ON PAGE 2 THROUGH 7 TO DETERMINE THE APPLICABLE ASSEMBLY NUMBER
- STEP 2: MOVE TO THE CHART BELOW THE DOOR ELEVATIONS, ALSO ON PAGE 2 THROUGH 7, AND LOCATE YOUR ASSEMBLY NUMBER. BY SCANNING HORIZONTALLY THROUGH THE SAME ROW OF YOUR ASSEMBLY NUMBER, YOU WILL BE ABLE TO DETERMINE THE APPROVED DOOR SERIES, MIN DOOR THICKNESS, MAX DESIGN PRESSURE, MAX DOOR OPENINGS, SWINGING OPTIONS, LATCHING HARDWARE FOR PANELS.
- STEP 3: USE PAGE 9 TO DETERMINE YOUR FRAMING PROFILES AND FRAMING CONSTRUCTION OPTIONS
- STEP 4: USE THE TABLES ON PAGE 10 AND 11 TO DETERMINE THE ANCHOR TYPE AND SPACING, BASED ON THE YOUR PRESSURE AND SUBSTRATE CRITERIA
- STEP 5: USE THE DETAILS PROVIDED ON PAGE 12 AND 13 TO DETERMINE YOUR WEATHERSTRIPPING OPTIONS

SHEET INDEX

# SHEET	DESCRIPTION
1	COVER SHEET
2-7	ASSEMBLY OPTIONS
8	OPTIONAL ASSEMBLY OPTIONS
9	DOOR FRAME DETAILS
10-11	DOOR FRAME ANCHORING INFORMATION
12-13	DOOR FRAME WEATHER STRIPPING INFORMATION
14	MANUFACTURERS AND ENGINEERS NOTES
14	TOTAL



CURRIES
ASSA ABLOY

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885



FL#16353.2

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1502 12TH STREET NW
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COMMERCIAL STEEL EXTERIOR DOORS
FLUSH SINGLE DOORS (LMI)
FBC SEVENTH EDITION (2020 FLORIDA PRODUCT APPROVALS)

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (12-CU-03g-01)	KL	FLB	06/28/13
FBC UPDATE	RWN	CSL	06/12/15
2017 FBC UPDATE	JEM	FLB	10/03/17
2020 FBC UPDATE	TAE	FLB	12/17/20

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SPECIFIC JOB ORDERING & MORE
INFORMATION ABOUT THIS PRODUCT
& RELATED SERVICES



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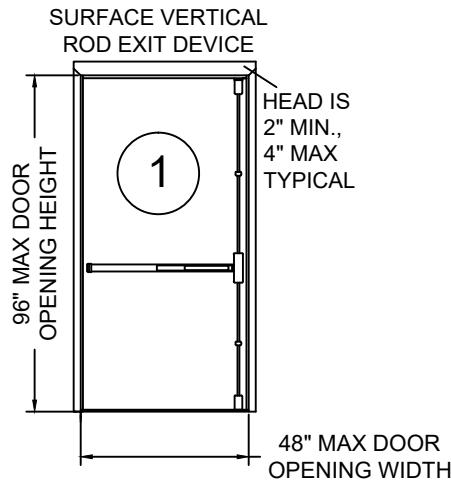


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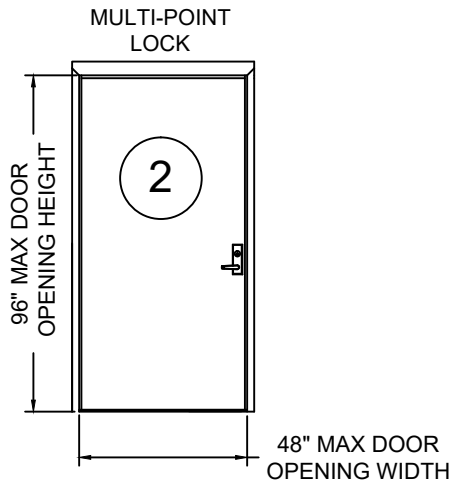


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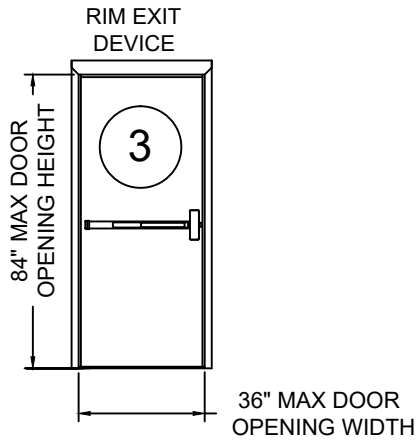
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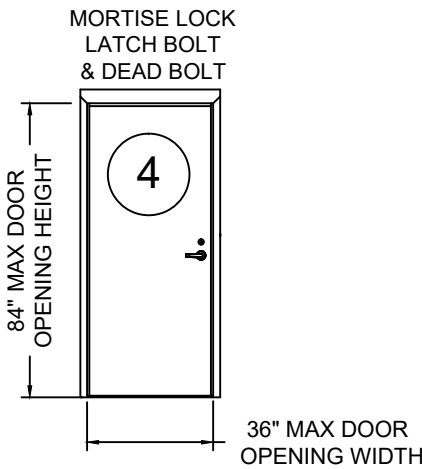
ASSEMBLY 1	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-150 PSF	+/-50 PSF



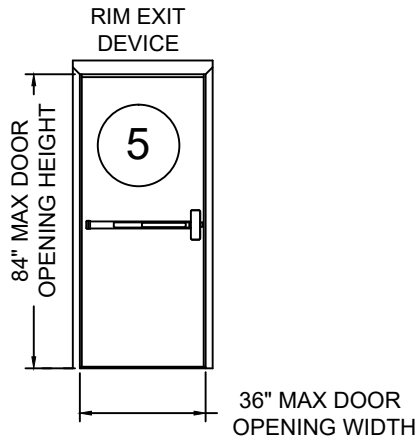
ASSEMBLY 2	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-150 PSF	+/-50 PSF



ASSEMBLY 3	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-115 PSF	+/-50 PSF



ASSEMBLY 4	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-115 PSF	+/-50 PSF



ASSEMBLY 5	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-100 PSF	+/-50 PSF

Assembly	Door Series	Minimum Door Gauge	Maximum Design		Maximum Door Opening		Door Swing	Latching Hardware Description		
			Positive	Negative	Width	Height		Type	Brand	Model
①	707, 727, 747, 847	14	150	150	48	96	Out Swing	Surface Vertical Rod	Sargent	HC4-8700
②	707, 727, 747, 847	14	150	150	48 *	96	Out Swing or In Swing*	Multi-Point Lock	Corbin Russwin	FE6600
									Sargent	FM7300
③	707, 727, 747, 847	16	115	115	36	84	Out Swing	Rim Exit Device	Corbin Russwin	ED5200S(A) x M107
									Yale	7150(F)WS/7250M(F)WS
④	707, 727, 747, 847	16	115	115	36	84	Out Swing or In Swing*	Mortise Lock Latch Bolt & Dead Bolt	Corbin Russwin	ML2000, ML20600, ML20700, ML20800, ML20900
									Sargent	7800, 8200, R8200
									Yale	8800
⑤	707, 727, 747, 777, 847	16 777 -18	100	100	36 *	84	Out Swing	Rim Exit Device	Corbin Russwin	ED5200S(A) x M107
									Yale	7150(F)WS/7250M(F)WS
Hinges	Butt	McKinney 4-1/2" x 4-1/2" 0.134" thick steel hinges or any FBC approved hinges may be used. Any SDI member hinge locations may be used.								
	Continuous	Markar FM100, FM200, FM300, FM3500, FM100, or FM1111; Pemko CFMSLF-HD continuous hinges may be used. Any FBC approved continuous hinge may be used.								
	Pivots	Rixson 195 Pivot set with M19 intermediate pivots may be used. Any FBC approved pivots may be used.								
Auxiliary Hardware		1" diameter preparations for door position switches, Door position switches that fit in a cutout measuring 1.25" x 4.875", and Securitron EPT, EPTL, CEPT and SEPT may be used.								
		Maglocks may be used in addition to the hardware listed above. Viewers with 1" and smaller hole preparation may be used.								

*In-Swing Configurations not approved for water infiltration. See Hardware notes for additional Hardware options.

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CYLINDRICAL LOCK

84" MAX DOOR OPENING HEIGHT

HEAD IS 2" MIN., 4" MAX TYPICAL

36" MAX DOOR OPENING WIDTH

ASSEMBLY 6

Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-100 PSF	+/-50 PSF

CONCEALED VERTICAL ROD EXIT DEVICE

96" MAX DOOR OPENING HEIGHT

48" MAX DOOR OPENING WIDTH

ASSEMBLY 7

Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-70 PSF	+/-50 PSF

RIM EXIT DEVICE

96" MAX DOOR OPENING HEIGHT

48" MAX DOOR OPENING WIDTH

ASSEMBLY 8

Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-70 PSF	+/-50 PSF

SURFACE VERTICAL ROD EXIT DEVICE

96" MAX DOOR OPENING HEIGHT

48" MAX DOOR OPENING WIDTH

ASSEMBLY 9

Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-70 PSF	+/-50 PSF

MORTISE LOCK LATCH BOLT & DEAD BOLT

96" MAX DOOR OPENING HEIGHT

48" MAX DOOR OPENING WIDTH

ASSEMBLY 10

Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-70 PSF	+/-50 PSF

Assembly	Door Series	Minimum Door Gauge	Maximum Design		Maximum Door Opening		Door Swing	Latching Hardware Description		
			Positive	Negative	Width	Height		Type	Brand	Model
⑥	707, 727, 747, 777, 847	16 777 -18	100	100	36	84	Out Swing or In Swing*	Cylindrical Lock	Corbin Russwin	CL3100
									Sargent	11 Line
⑦	707, 727, 747, 777, 847	16 777 -18	70	70	48*	96	Out Swing	Concealed Vertical Rod	Sargent	HC-MD-8600, HC-12-8600, HC-MD-12-8600, WS-MD-8600, WS-12-8600, WS-MD-12-8600
⑧	707, 727, 747, 777, 847	16 777 -18	70	70	48	96	Out Swing	Rim Exit Device	Corbin Russwin	ED5200S(A) x M107
									Sargent	HC8800, 12-HC8800
									Yale	7150(F)WS/7250M(F)WS
⑨	707, 727, 747, 777, 847	16 777 -18	70	70	48	96	Out Swing	Surface Vertical Rod	Corbin Russwin	ED5470(B) x M107
									Sargent	HC4-8700, 12-HC4-8700
									Yale	7170(F)WS
⑩	707, 727, 747, 777, 847	16 777 -18	70	70	48	96	Out Swing or In Swing*	Mortise Lock Latch Bolt & Dead Bolt	Corbin Russwin	ML2000, ML20600, ML20700, ML20800, ML20900
									Sargent	7800, 8200, R8200
									Yale	8800
Hinges	Butt	McKinney 4-1/2" x 4-1/2" 0.134" thick steel hinges or any FBC approved hinges may be used. Any SDI member hinge locations may be used.								
	Continuous	Markar FM100, FM200, FM300, FM3500, FM100, or FM1111; Pemko CFMSLF-HD continuous hinges may be used. Any FBC approved continuous hinge may be used.								
	Pivots	Rixson 195 Pivot set with M19 intermediate pivots may be used. Any FBC approved pivots may be used.								
Auxiliary Hardware		1" diameter preparations for door position switches, Door position switches that fit in a cutout measuring 1.25" x 4.875", and Securitron EPT, EPTL, CEPT and SEPT may be used.								
		Maglocks may be used in addition to the hardware listed above. Viewers with 1" and smaller hole preparation may be used.								

*In-Swing Configurations not approved for water infiltration. See Hardware notes for additional Hardware options.

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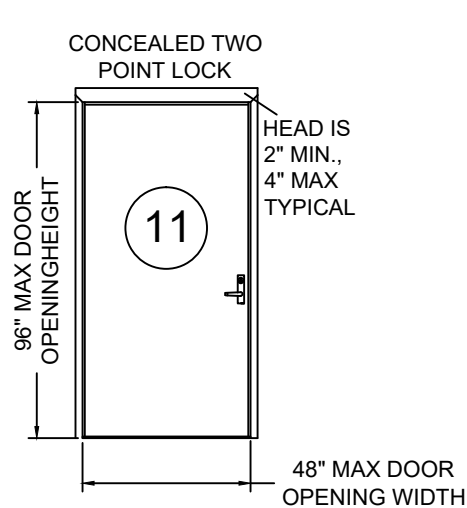
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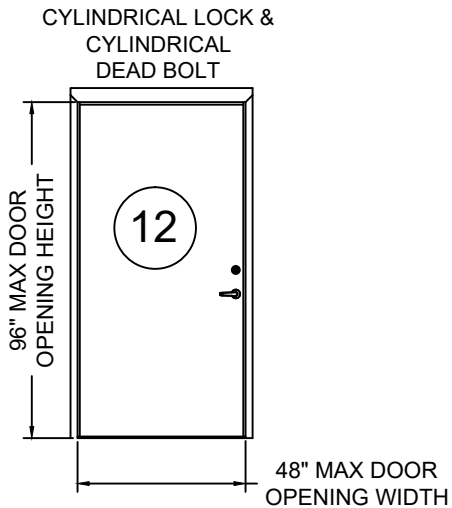


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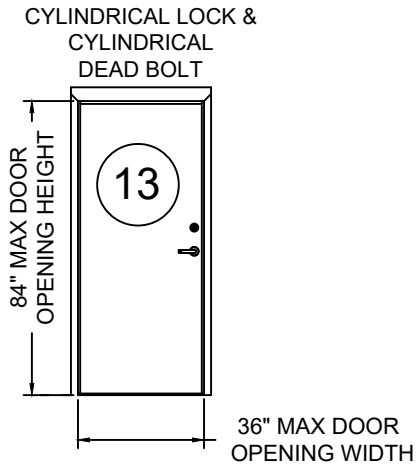
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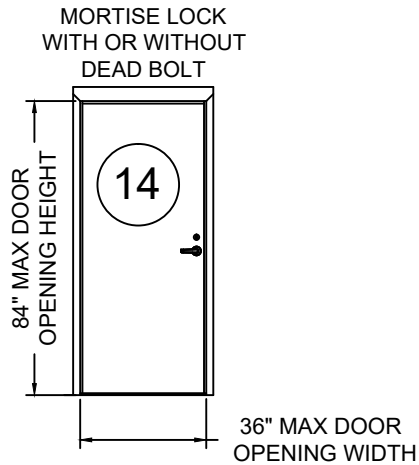
ASSEMBLY 11	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-70 PSF	+/-50 PSF



ASSEMBLY 12	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-70PSF	+/-50 PSF



ASSEMBLY 13	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-70 PSF	+/-50 PSF



ASSEMBLY 14	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-70 PSF	+/-50 PSF

Assembly	Door Series	Minimum Door Gauge	Maximum Design Pressure psf		Maximum Door Opening inches		Door Swing	Latching Hardware Description		
			Positive	Negative	Width	Height		Type	Brand	Model
11	707, 727, 747, 777, 847	16 777 -18	70	70	48	96	Out Swing	Concealed Two Point Lock	Corbin Russwin Sargent	MP9800 (A/B) x M107 WS-12-7000, HC-12-7000
12	777	18	70	70	48	96	Out Swing or In Swing	Cylindrical Lock & Cylindrical Dead Bolt	Corbin Russwin Sargent Yale	CL3300 DL3100 Deadbolt 6500,7,10, 10G77 480 Deadbolt 5400LN D100 Deadbolt
13	607, 707, 727, 747, 847	18	70	70	36	84	Out Swing or In Swing	Cylindrical Lock & Cylindrical Dead Bolt	Corbin Russwin Sargent Yale	CL3300 DL3100 Deadbolt 6500,7,10, 10G77 480 Deadbolt 5400LN D100 Deadbolt
14	607, 707, 727, 747, 777, 847	18	70	70	36	84	Out Swing or In Swing	Mortise Lock Latch Bolt & Dead Bolt	Corbin Russwin Sargent Yale	ML2000, ML20600, ML20700, ML20800, ML20900 7800, 8200, R8200 8800
Hinges	Butt	McKinney 4-1/2" x 4-1/2" 0.134" thick steel hinges or any FBC approved hinges may be used. Any SDI member hinge locations may be used.								
	Continuous	Markar FM100, FM200, FM300, FM3500, FM100, or FM1111; Pemko CFMSLF-HD continuous hinges may be used. Any FBC approved continuous hinge may be used.								
	Pivots	Rixson 195 Pivot set with M19 intermediate pivots may be used. Any FBC approved pivots may be used.								
Auxiliary Hardware		1" diameter preparations for door position switches, Door position switches that fit in a cutout measuring 1.25" x 4.875", and Securitron EPT, EPTL, CEPT and SEPT may be used.								
		Maglocks may be used in addition to the hardware listed above. Viewers with 1" and smaller hole preparation may be used.								

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CONCEALED VERTICAL ROD EXIT DEVICE

96" MAX DOOR OPENING HEIGHT

36" MAX DOOR OPENING WIDTH

HEAD IS 2" MIN., 4" MAX TYPICAL

15

ASSEMBLY 15

Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-60 PSF	+/-50 PSF

RIM EXIT DEVICE

96" MAX DOOR OPENING HEIGHT

36" MAX DOOR OPENING WIDTH

16

ASSEMBLY 16

Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-60 PSF	+/-50 PSF

SURFACE VERTICAL ROD EXIT DEVICE

96" MAX DOOR OPENING HEIGHT

36" MAX DOOR OPENING WIDTH

17

ASSEMBLY 17

Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-60 PSF	+/-50 PSF

CONCEALED TWO POINT LOCK

96" MAX DOOR OPENING HEIGHT

36" MAX DOOR OPENING WIDTH

18

ASSEMBLY 18

Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-60 PSF	+/-50 PSF

MORTISE LOCK LATCH BOLT & DEAD BOLT

96" MAX DOOR OPENING HEIGHT

36" MAX DOOR OPENING WIDTH

19

ASSEMBLY 19

Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-70PSF	+/-50 PSF

Assembly	Door Series	Minimum Door Gauge	Maximum Design Pressure psf		Maximum Door Opening inches		Door Swing	Latching Hardware Description		
			Positive	Negative	Width	Height		Type	Brand	Model
⑮	707 , 727, 747, 847	16	60	60	36	96	Out Swing	Concealed Vertical Rod	Sargent	HC-MD-8600, HC-12-8600, HC-MD-12-8600, WS-MD-8600, WS-12-8600, WS-MD-12-8600
⑯	707 , 727, 747, 847	16	60	60	36	96	Out Swing	Rim Exit Device	Corbin Russwin	ED5200S(A) x M107
									Sargent	12-HC8800, HC8800
									Yale	7150(F)WS/7250M(F)WS
⑰	707, 727, 747, 847	16	60	60	36	96	Out Swing	Surface Vertical Rod	Corbin Russwin	ED5470(B) x M107
									Sargent	HC8700, 12-HC8700
									Yale	7170(F)WS
⑱	707, 727, 747, 847	16	60	60	36	96	Out Swing	Concealed Two Point Lock	Corbin Russwin	MP9800 (A/B} x M107
									Sargent	WS-12-7000, HC-12-7000
⑲	707, 727, 747, 847	16	60	60	36	96	Out Swing or In Swing	Mortise Lock Latch Bolt & Dead Bolt	Corbin Russwin	ML2000, ML20600, ML20700, ML20800, ML20900
									Sargent	7800, 8200, R8200
									Yale	8800
Hinges	Butt	McKinney 4-1/2" x 4-1/2" 0.134" thick steel hinges or any FBC approved hinges may be used. Any SDI member hinge locations may be used.								
	Continuous	Markar FM100, FM200, FM300, FM3500, FM100, or FM1111; Pemko CFMSLF-HD continuous hinges may be used. Any FBC approved continuous hinge may be used.								
	Pivots	Rixson 195 Pivot set with M19 intermediate pivots may be used. Any FBC approved pivot may be used.								
Auxiliary Hardware		1" diameter preparations for door position switches, Door position switches that fit in a cutout measuring 1.25" x 4.875", and Securitron EPT, EPTL, CEPT and SEPT may be used.								
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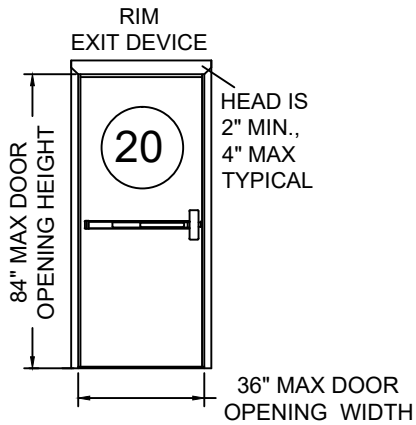
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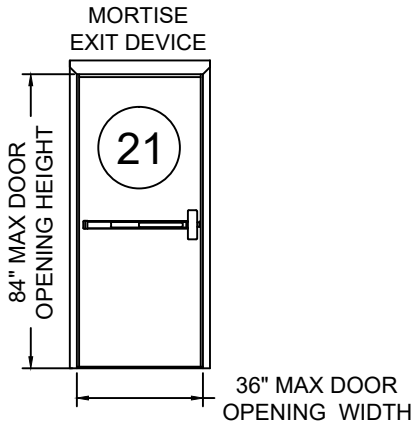


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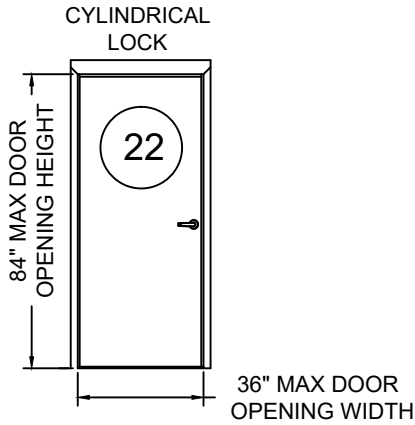
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ASSEMBLY 20	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-60PSF	+/-50 PSF



ASSEMBLY 21	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-60PSF	+/-50 PSF



ASSEMBLY 22	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-60 PSF	+/-50 PSF

Assembly	Door Series	Minimum Door Gauge	Maximum Design Pressure psf		Maximum Door Opening inches		Door Swing	Latching Hardware Description		
			Positive	Negative	Width	Height		Type	Brand	Model
20	607, 707, 727, 747, 847	18	60	60	36	84	Out Swing	Rim Exit Device	Corbin Russwin	ED5200S(A) x M107
									Sargent	HC8800, 12-HC8800
									Sargent	WS-8800, WS-12-8800
									VingCard Elsafe A/S	VC3000
									Yale	7150(F)WS/7250M(F)WS
21	607, 707 727, 747, 847	18	60	60	36	84	Out Swing	Mortise Exit	Sargent	WS-8900, WS-12-8900
22	607, 707, 727, 747, 847	18	60	60	36	84	Out Swing or In Swing	Cylindrical Lock	Corbin Russwin	CL3100, CL3300, CL3500, CL3800,
									Sargent	6500,7,10, 10G77
									Yale	5300LN, 5400LN
Hinges	Butt	McKinney 4-1/2" x 4-1/2" 0.134" thick steel hinges or any FBC approved hinges may be used. Any SDI member hinge locations may be used.								
	Continuous	Markar FM100, FM200, FM300, FM3500, FM100, or FM1111; Pemko CFMSLF-HD continuous hinges may be used. Any FBC approved continuous hinge may be used.								
	Pivots	Rixson 195 Pivot set with M19 intermediate pivots may be used. Any FBC approved pivot may be used.								
Auxiliary Hardware		1" diameter preparations for door position switches, Door position switches that fit in a cutout measuring 1.25" x 4.875", and Securitron EPT, EPTL, CEPT and SEPT may be used.								
		Maglocks may be used in addition to the hardware listed above. Viewers with 1" and smaller hole preparation may be used.								

*In-Swing Configurations not approved for water infiltration. See Hardware notes for additional Hardware options.

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MASON CITY, IA 50401
COMMERCIAL STEEL EXTERIOR DOORS
FLUSH SINGLE DOORS (LMT)
FBC SEVENTH EDITION (2020 FLORIDA PRODUCT APPROVALS)

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (12-CUI-03g-01)	KL	FLB	06/28/13
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CURRIES FLUSH SINGLE DOORS

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FL#16353.2

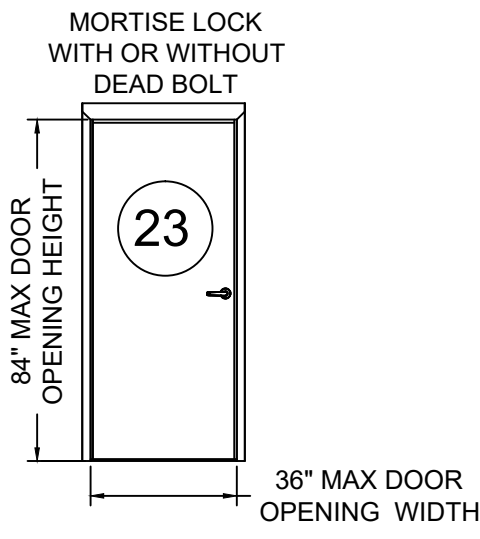
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FLUSH SINGLE DOORS (LMT)
FBC SEVENTH EDITION (2020 FLORIDA PRODUCT APPROVALS)

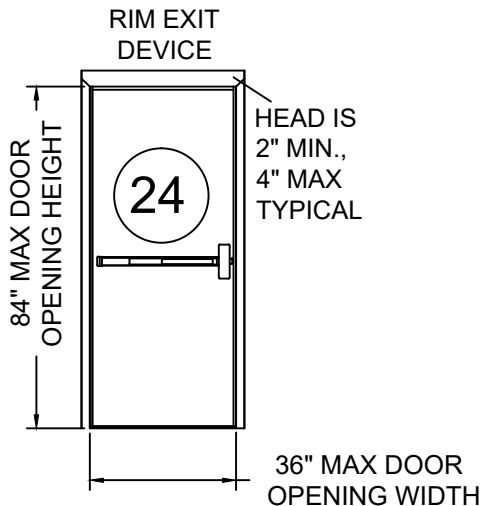
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INIT ISSUE (12-CUI-03g-01)	KL	FLB	06/28/13
FBC UPDATE	RWN	CSL	06/12/15
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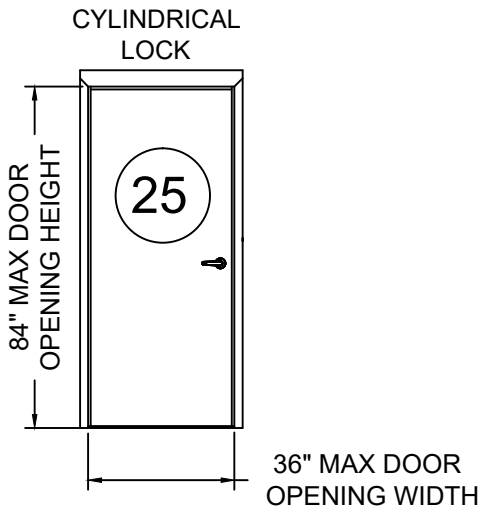
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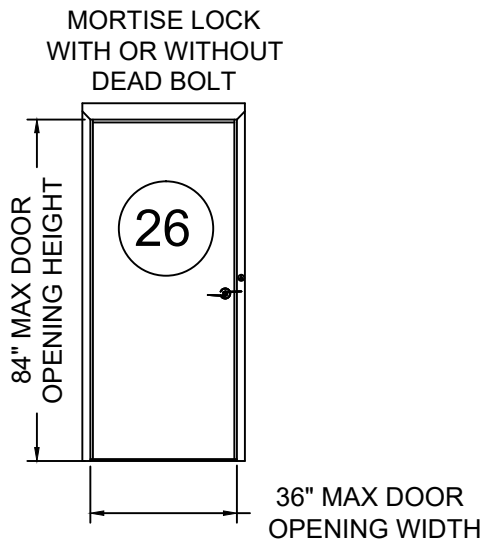
ASSEMBLY 23	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-60PSF	+/-50 PSF



ASSEMBLY 24	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-50 PSF	+/-50 PSF



ASSEMBLY 25	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-50 PSF	+/-50 PSF



ASSEMBLY 26	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-50 PSF	+/-50 PSF

Assembly	Door Series	Minimum Door Gauge	Maximum Design Pressure psf		Maximum Door Opening inches		Door Swing	Latching Hardware Description		
			Positive	Negative	Width	Height		Type	Brand	Model
23	607, 707, 727, 747, 847	18	60	60	36	84	Out Swing or In Swing	Mortise Lock	Corbin Russwin Sargent VingCard Elsafe A/S Yale	ML2000, ML20600, ML20700, ML20800, ML20900 7800, 8200, R8200 ANSI, Classic, Signature 8800
24	607, 707	20	50	50	36	84	Out Swing	Rim Exit Device	Yale	2100(F)WS
25	607, 707	20	50	50	36	84	Out Swing	Cylindrical Lock	Yale	4600LN
26	607, 707	20	50	50	36	84	Out Swing	Mortise Lock	Yale	8800
Hinges	Butt	McKinney 4-1/2" x 4-1/2" 0.134" thick steel hinges or any FBC approved hinges may be used. Any SDI member hinge locations may be used.								
	Continuous	Markar FM100, FM200, FM300, FM3500, FM100, or FM1111; Pemko CFMSLF-HD continuous hinges may be used. Any FBC approved continuous hinge may be used.								
	Pivots	Rixson 195 Pivot set with M19 intermediate pivots may be used. Any FBC approved pivot may be used.								
Auxiliary Hardware		1" diameter preparations for door position switches, Door position switches that fit in a cutout measuring 1.25" x 4.875", and Securitron EPT, EPTL, CEPT and SEPT may be used.								
		Maglocks may be used in addition to the hardware listed above. Viewers with 1" and smaller hole preparation may be used.								

*In-Swing Configurations not approved for water infiltration.
See Hardware notes for additional Hardware options.

CURRIES FLUSH SINGLE DOORS ADDITIONAL ELEVATIONS

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FRANK BENNARD, P.E.
PE# 0046549 CA# 9885

FL#16353.2

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CURRIES

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1502 12TH STREET NW
MASON CITY, IA 50401

COMMERCIAL STEEL EXTERIOR DOORS
FLUSH SINGLE DOORS (LMT)

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EMBOSSSED PANEL DOORS LIMITED TO 18 GA STEEL

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CURRIES DOOR FRAME INFORMATION

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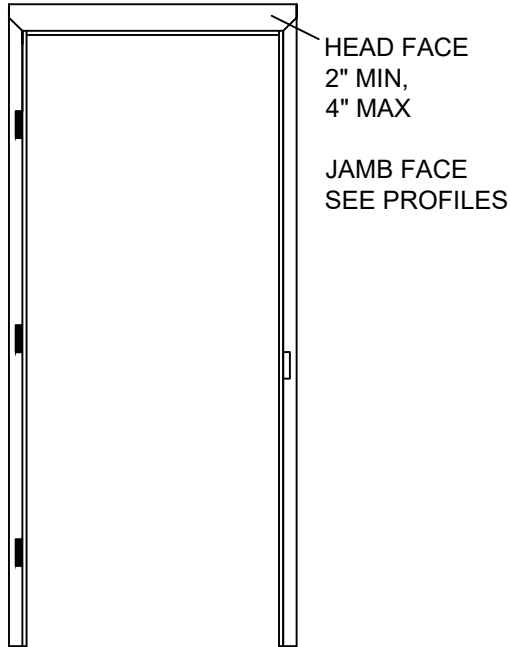


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PE# 0046549 CA# 9885



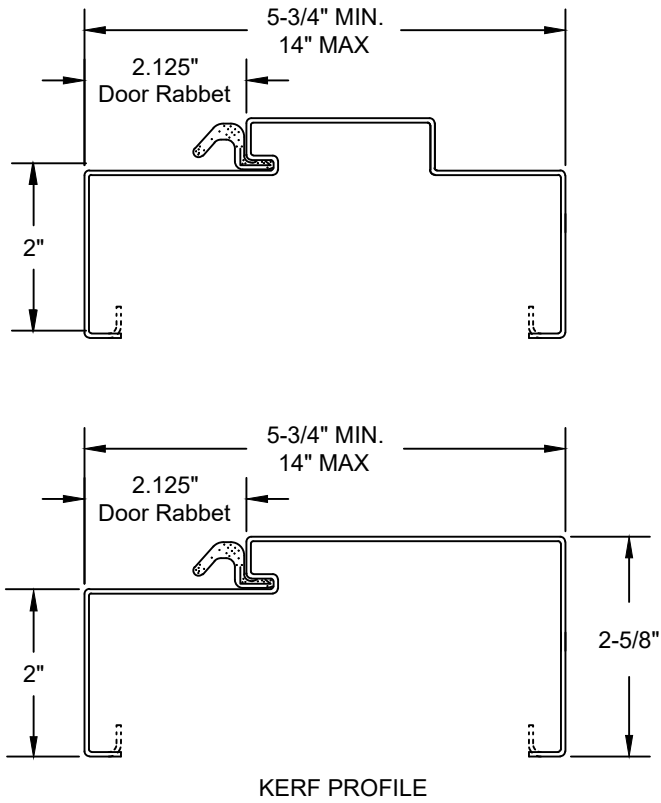
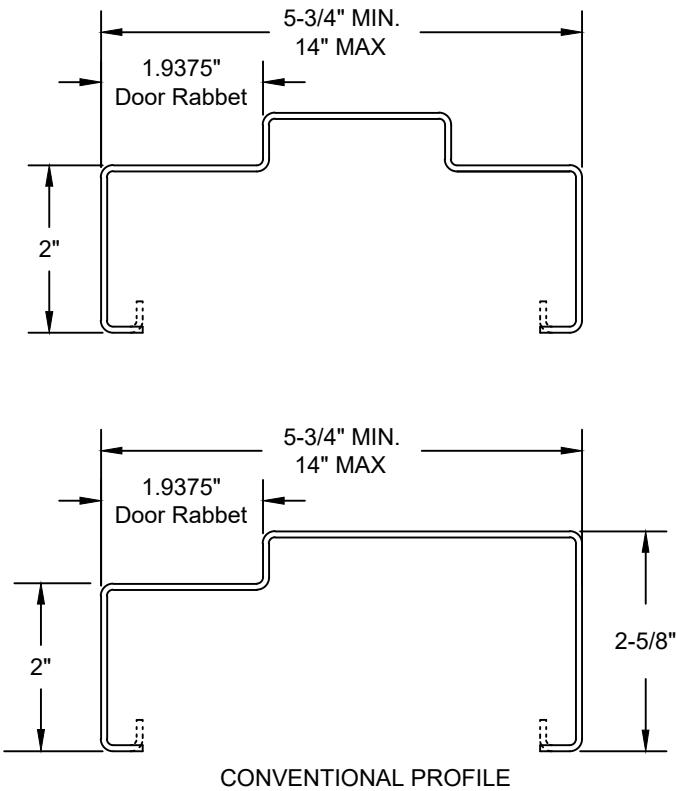
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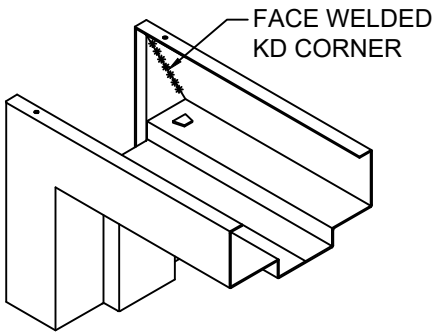
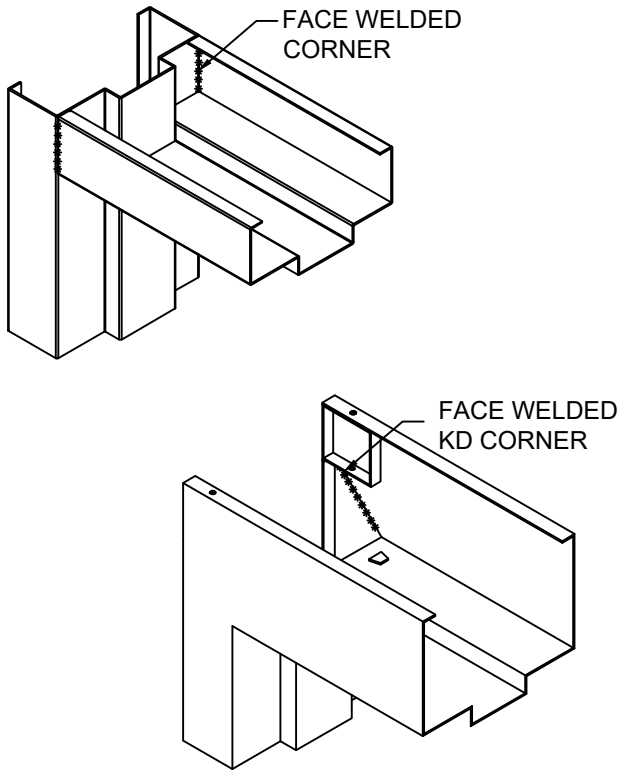
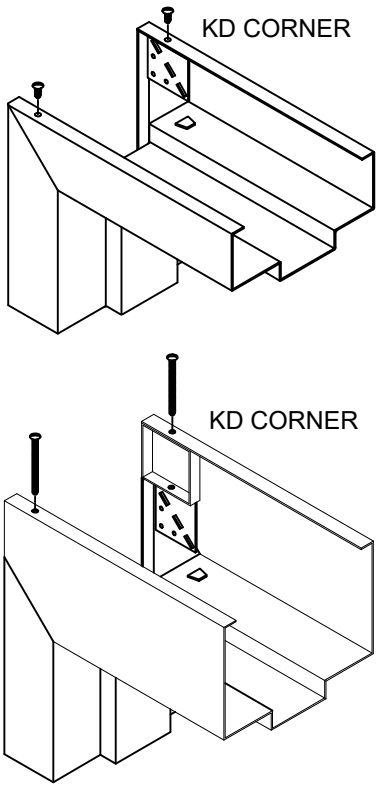


3070 ± 115 PSF MAX. DESIGN PRESSURE
4080 ± 150 PSF MAX. DESIGN PRESSURE
4" MIN./14" MAX. DEPTH
KD 16 GA. MIN.
WELDED 16 GA MIN., 12 GA. MAX.
FOUR SIDED DOOR FRAME WITH FACE WELDED CORNERS ALSO PERMITTED

FRAME PROFILES



FRAME CONSTRUCTION OPTIONS



CURRIES

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COMMERCIAL STEEL EXTERIOR DOORS
FLUSH SINGLE DOORS (LMT)

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CURRIES FRAME ANCHOR INFORMATION

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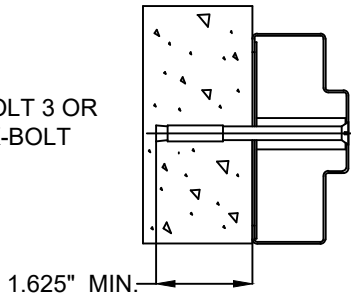
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EXISTING MASONRY OR POURED CONCRETE, 3000 psi MIN.
WELDED PIPE SPACER OR EWA ANCHOR WITH 3/8" EXPANSION ANCHOR BOLTS USING 3/8" GRADE 5 BOLT
MINIMUM EDGE DISTANCE = 4.0" FOR CONCRETE
MINIMUM EDGE DISTANCE = 3 3/4" FOR C.M.U
MAXIMUM SHIM THICKNESS = 0.25"

1/4" MAX. THICK A-36 STEEL SHIMS WELDED TO STRUCTURAL BUILDING MEMBER WITH FILLET WELDS MEASURING 2" LONG AND SIZED AS FOLLOWS USING E6018 ELECTRODES. FILLET WELD SIZE SAME AS SHIM THICKNESS FOR 0.053" TO 0.125" SHIM THICKNESS. WELD SIZE 1/8" FOR > 0.125" TO 1/4" SHIM THICKNESS.

MAXIMUM SHIM THICKNESS 0.25
CMU BLOCK AND THROAT OF FRAME FILLED WITH 3000 PSI MORTAR

HILTI KWIK BOLT 3 OR POWERS LOK-BOLT



STEEL SHIMS WELDED TO BUILDING STRUCTURE

WELD HOLLOW METAL FRAME TO SHIM WITH 3/16" WELD, 1" LONG BOTH SIDES OF FRAME

2" X 7" STEEL SHIM PLATE(S), OR TO SUIT FRAME JAMB DEPTH

1.25" GREATER THAN JAMB DEPTH

MAXIMUM SHIM SPACE 1/4"

16 GA (0.053" MIN) PIPE SPACER ANCHOR

16 GA (0.053" MIN) EWA ANCHOR

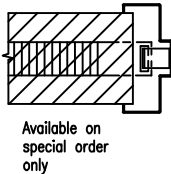
TO SUIT JAMB DEPTH

TO SUIT JAMB DEPTH

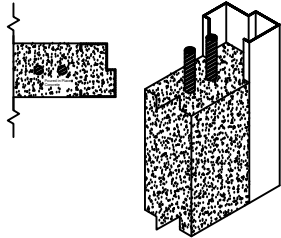
OPERATING RANGE 3" - 8 3/4"

MASONRY WIRE ANCHOR 0.165" DIA. MIN.

16 GA (0.053" MIN) MASONRY T ANCHOR



YOKE AND STRAP MASONRY ANCHOR



CAST IN PLACE FRAME

Expansion Shell Anchor Requirements for Jamb						
Opening Height (inches)	Up to an including 100 psf			150 psf		
	Max. Distance From End of Jamb	Min. Anchor Quantity	Maximum Spacing (inches)	Max. Distance From End of Jamb	Min. Anchor Quantity	Maximum Spacing (inches)
Up to 84"	12	5	19	12	5	19
90	12	5	19	12	5	19
96	12	6	19	12	6	19

Masonry Strap, Masonry T, Masonry Wire, and Welded to the Building Structure Anchor Requirements for Jamb of Paired Frames						
	Up to an including 70 psf			150 psf		
Opening Height (inches)	Max. Distance From End of Jamb	Min. Anchor Quantity	Maximum Spacing (inches)	Max. Distance From End of Jamb	Min. Anchor Quantity	Maximum Spacing (inches)
Up to 84"	12	4	24	12	4	24
90"	12	5	24	12	5	24
92"-96"	12	5	24	12	5	24
Expansion Shell Anchor Requirements for Heads of Paired Frames						
70 psf	2 anchors in the head		150 psf	4 anchors in the head		
Welded to the Building Structure Anchor Requirements for Heads of Paired Frames						
70 psf	2 anchors in the head		150 psf	2 anchors in the head		

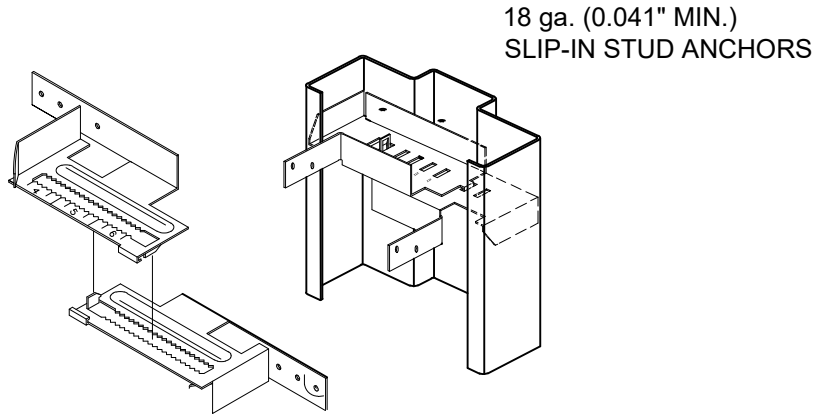
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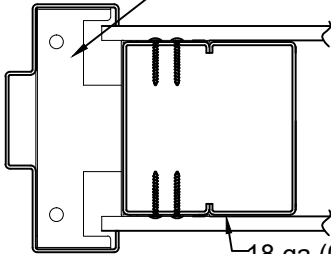
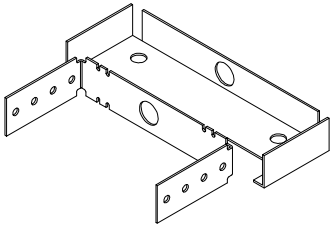


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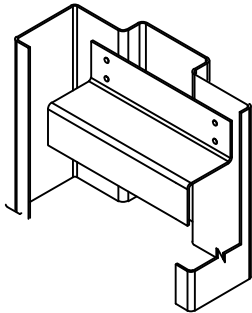


18 ga. (0.041" MIN.)
SLIP-IN STUD ANCHORS

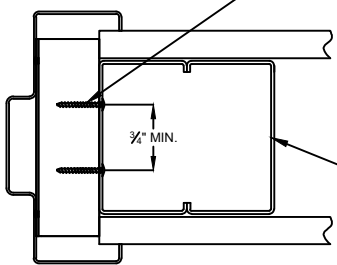


SLIP -IN STUD ANCHOR WELDEED TO
FRAME CONNECT TO STEEL
WITH #8 X 1" GRADE 5 SHEET METAL SCREW;
4 SCREWS REQUIRED PER ANCHOR;
MIN EDGE DISTANCE - 0.328"

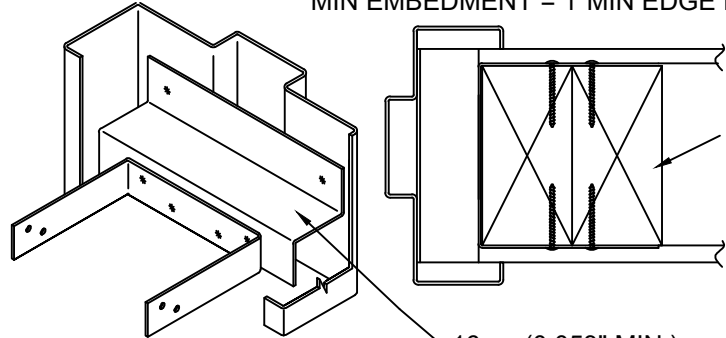
18 ga (0.041" min.)
STEEL STUDS



#14 x 1" GRADE 5 SHEET METAL SCREW;
2 SCREWS REQUIRED
PER ANCHOR LOCATION;



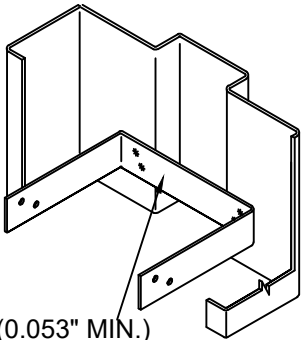
18 ga (0.041" min.)
STEEL STUDS



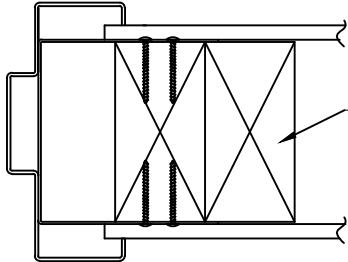
WELDED WOOD STUD ANCHOR
WITH #8 X 1" GRADE 5 SHEET METAL SCREW;
4 SCREWS REQUIRED PER ANCHOR;
MIN EMBEDMENT = 1"MIN EDGE DISTANCE = 0.524"

16 ga (0.053" MIN.)
WOOD STUD ANCHOR

WOOD STUD



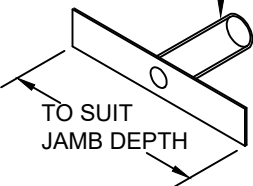
16 ga (0.053" MIN.)
WOOD STUD ANCHOR



WOOD STUD

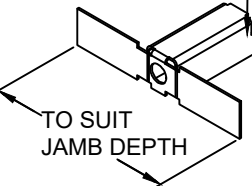
WELED WOOD STUD ANCHOR
WITH #8 X 1" GRADE 5 SHEET METAL SCREW;
4 SCREWS REQUIRED PER ANCHOR;
MIN EMBEDMENT = 1"MIN EDGE DISTANCE = 0.524

16 GA (0.053" MIN)
PIPE SPACER ANCHOR



TO SUIT
JAMB DEPTH

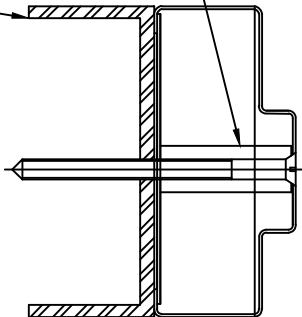
16 GA (0.053" MIN)
EWA ANCHOR



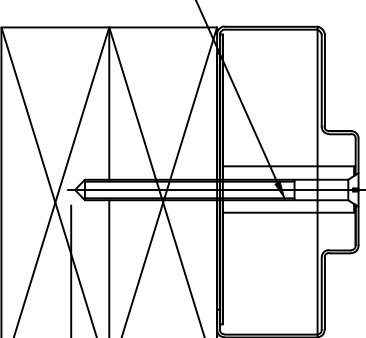
TO SUIT
JAMB DEPTH

WELDED PIPE SPACER OR EWA ANCHOR
WITH 3/8" (GRADE 2 MIN.) TAP-IN BOLT
WITH 3 PINCHES PASSED THE THREAD
PLANE. MINIMUM EDGE DISTANCE = 1.75"
MAXIMUM SHIM THICKNESS = 0.25"

1/4" THK. MIN. A36 MIN.
STEEL SUBSTRATE



WELDED PIPE SPACER OR EWA ANCHOR
WITH 3/8" WOOD SCREW OR LAG BOLT
MINIMUM EDGE DISTANCE = 1.75"
MAXIMUM SHIM THICKNESS = 0.25"



3.0" MIN

Stud Anchor Requirements for Jambs									
Opening Height (inches)	Up to an including 70 psf			115 psf			150 psf		
	Max. Distance From End of Jamb	Min. Anchor Quantity	Maximum Spacing (inches)	Max. Distance From End of Jamb	Min. Anchor Quantity	Maximum Spacing (inches)	Max. Distance From End of Jamb	Min. Anchor Quantity	Maximum Spacing (inches)
Up to 84"	12	4	22	12	6	12	12	6	12
90"	12	5	22	12	7	12	12	7	12
92"-96"	12	5	22	12	8	12	12	8	12

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CURRIES WEATHERSTRIP INFORMATION

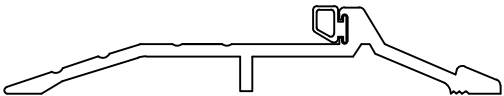
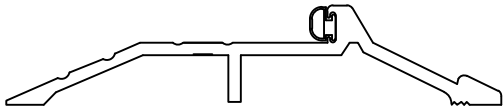
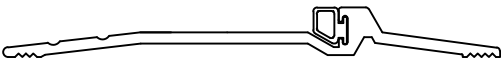
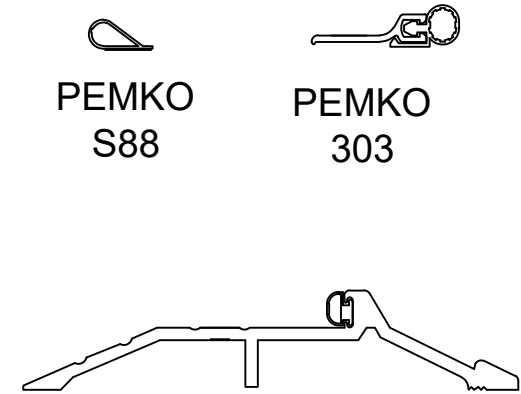
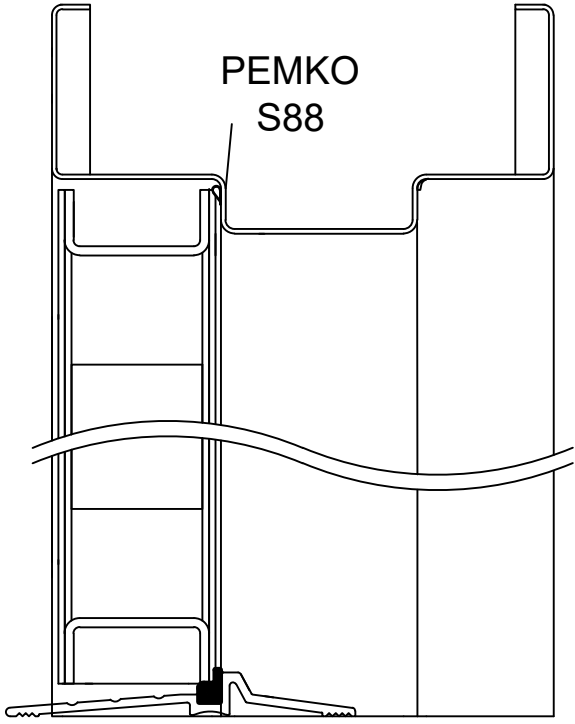
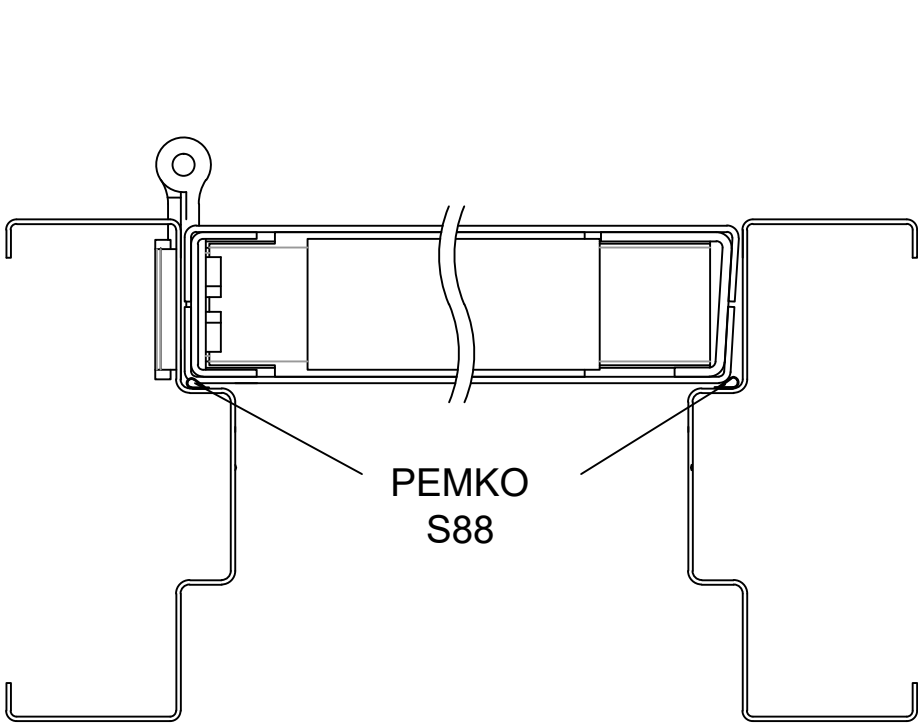
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PEMKO WEATHERSTRIP USED ON CURRIES DOORS AND FRAMES WHERE WATER INFILTRATION IS NOT REQUIRED.



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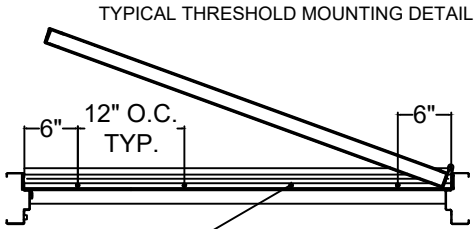
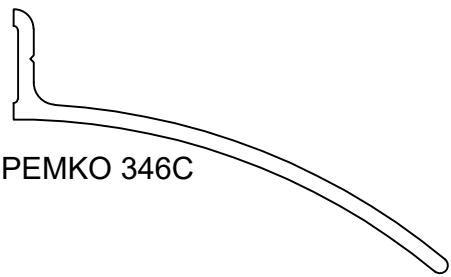
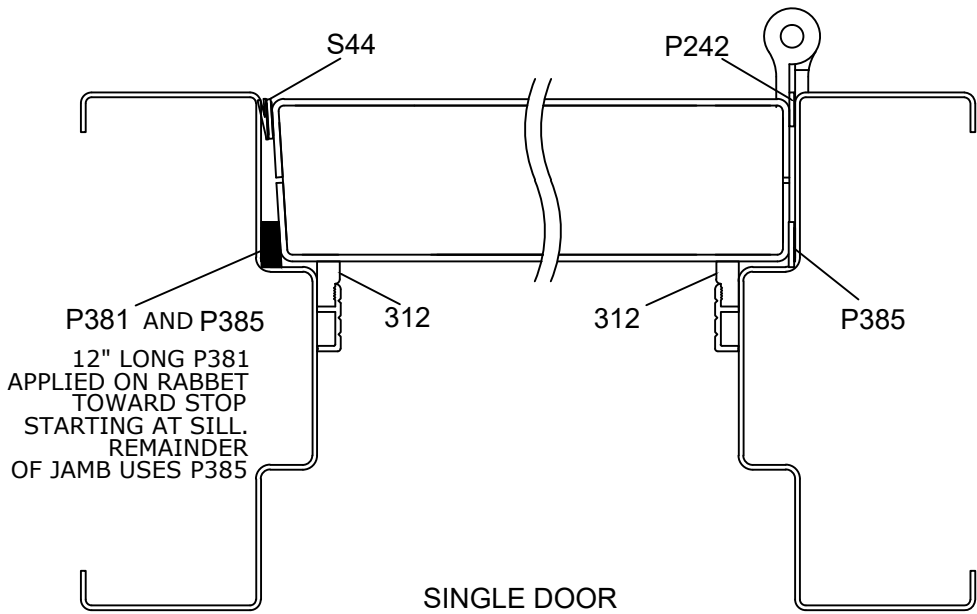
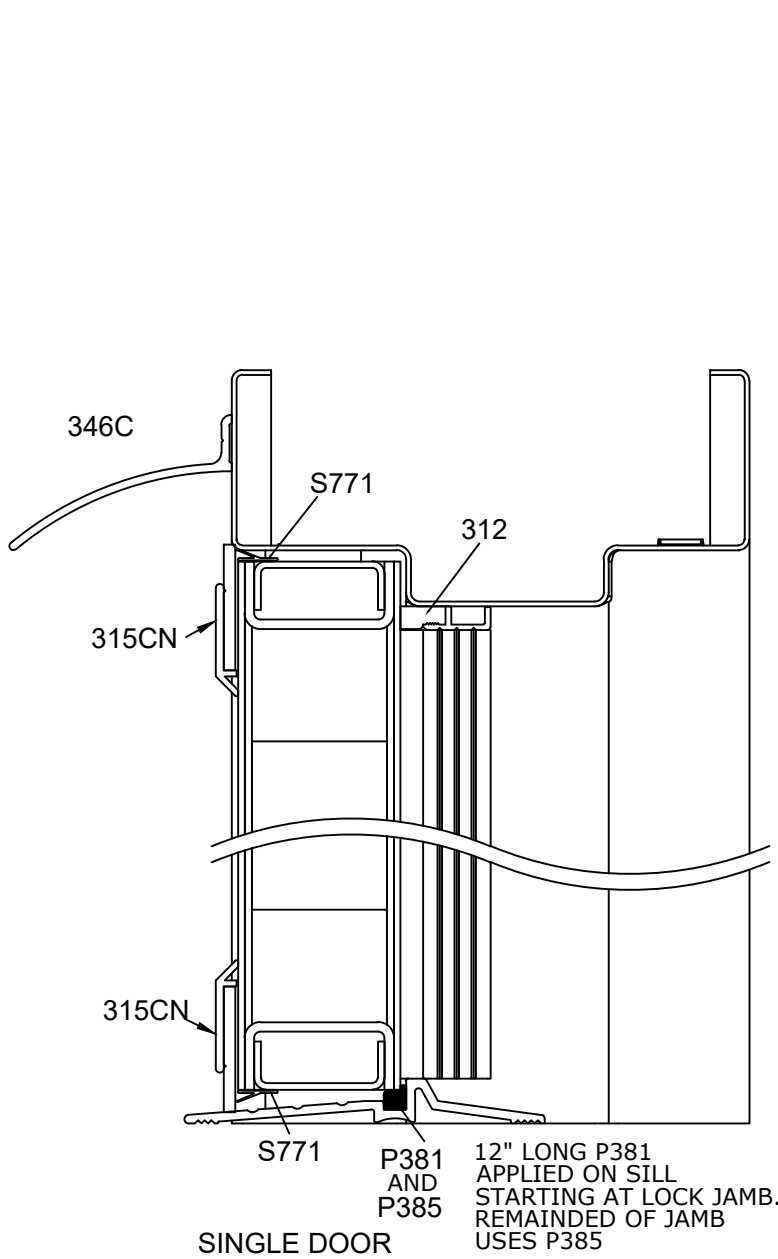
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CURRIES WEATHERSTRIP INFORMATION

PRODUCTS ILLUSTRATED IN THIS DOCUMENT ARE QUALIFIED FOR LARGE AND SMALL MISSILE IMPACT. LARGE MISSILE IMPACT IS 9 LB 2 X 4 AT 50 FEET PER SECOND OR 350 FT-LB. PRODUCT MEETS REQUIREMENTS OF THE HIGH VELOCITY HURRICANE ZONE.



PEMKO WEATHERSTRIP USED ON CURRIES DOORS AND FRAMES WHERE WATER INFILTRATION IS REQUIRED.



1/4" ITW TAPCON W/ 1-3/4" EMBEDMENT AND 1" MIN. EDGE DISTANCE TO 3192 PSI CONCRETE

FL#16353.2

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CURRIES
DIVISION OF ASSA ABLOY DOOR GROUP, INC.
1502 12TH STREET NW
MASON CITY, IA 50401
COMMERCIAL STEEL EXTERIOR DOORS
FLUSH SINGLE DOORS (LMT)
FBC SEVENTH EDITION (2020 FLORIDA PRODUCT APPROVALS)

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (12-CUI-03g-01)	KL	FLB	06/28/13
FBC UPDATE	RWN	CSL	08/12/15
2017 FBC UPDATE	JEM	FLB	10/03/17
2020 FBC UPDATE	TAE	FLB	12/17/20

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HARDWARE NOTES

Corbin Russwin

The ED5200(S)A / ED4200(S)A x M107 Rim Exit and the ED5470(B) x M107 Surface Vertical Rod maybe suffixed by MER. May use M94 with any combination of the M61, M92, M93, or M1 suffices.

The ED5200(S)A x M107 Rim Exit and the ED5470(B) x M107 Surface Vertical Rod may include 900 series trims 9600, 9700, 9800 Series Access Control Trims or the 9900 Series Electrified Trims.

The MP9800 (A/B) x M107 Series Concealed Multi-Point Lock may include the options: M91, M92, M93, 903, 904, Access 600, IN, INB, SE.

Use FE707A, FE708A, WS707AKM, or WS708AKM Hardware Mullion with the ED5200(S)A / ED4200(S)A x M107 Rim Exit

On pairs of doors, one leaf of the pair utilizing with the ED5470(B) x M107 Surface Vertical Rod or MP9800 (A/B) x M107 Series Concealed Multi-Point Lock may be replaced with two 988CR surface bolts. The local building official must approve this configuration of hardware for use in a means of egress.

The ML2000 Series Mortise Locks, Series CL3300 Series Cylindrical Locks, ED5200(S)A x M107 Rim Exit, and ED5470(B) x M107 Surface Vertical Rod may be prefixed IN-IP, IN-IPS, IN-CP, IN-IP-MB, IN-IP-MW, IN-IPS-MB, IN-IPS-MW, IN-CP-MP, and IN-CP-MW.

The ML2000 Series Mortise Locks, Series CL3300 Series Cylindrical Locks, ED5200(S)A x M107 Rim Exit may be prefixed PIP1-IPSKM, PWI1-IPSKM, PIP1-CPKM, PWI1-CPKM, PIP1-IPSM, PWI1-IPSM, PIP1-CPM, and PWI1-CPM.

May also use the ML20100 and ML20200 mortise locks.

The SELP10 and IN 120 Access Control may be used with CL3300 Cylindrical Lock or ML2000 Mortise Lock.

HES

The 1006 Series Electric Strike maybe used on 4'0" x 8'0" and smaller single out swinging doors of 70 psf or less.

The 9600 Series Electric Strike may be used with the Sargent HC8800 Series Rim Exit at design pressures of 70 psf or less.

The 9700 Series Electric Strike may be used with the Corbin Russwin ED5200(S)A and the Yale 7150(F)WS / 7250M(F)WS Rim Exits at design pressures of 70 psf or less.

Securitron 1500 / 1500E Strike may be used on 3'0" x 7'0" and smaller single out swinging assemblies with mortise locks and latch bolt only at design pressures of 60 psf or less.

Securitron 1600 / 1600E Strike may be used on 4'0" x 8'0" and smaller single out swinging assemblies with mortise locks with latch bolt and dead bolt of 70 psf and less.

Sargent

The HC8800 Series Rim Exit, WS 8800 Series Rim Exit, and WS-8900 Series Mortise Exit maybe prefixed 53, 55, 55-56, 56, 57, 58, AWE, B, BT, ET, H1, H2, KP, LK, LU, M1, N1, N2, PA, PK, PG, P1, P2, IPSKM, CPKM, IPSM, CPM, IM, IKM, PRX, S1, S2, S3, IA, IK, IN, TK, TL, TP and TU.

Use HC980, 12-HC980, HCL980, 12-HCL980 Hardware Mullion with the HC8800 Series Rim Exit.

Series HT-56- can be used same as the 53-56- on the 80 Series devices. Exceptions include the following prefixes either used alone or in combination: 53-, 55-, 57-, 58-, 59- and AL.

All 80 Series employing HiO technology and the 55 option are designated HT-55-.

The MD8600 Series Concealed Vertical Rod Exit and 7000 Series Concealed Multi-point Lock may be prefixed 53, 55, 56, 57, 58, 59, BT, ET, H1, H2 and TL.

On pairs of doors, one leaf of the pair utilizing with the MD8600 Series Concealed Vertical Rod Exit, 7000 Concealed Multi-Point Lock or HC4-8700 / HC-8700 Surface Vertical Rod may be replaced with two 988CR surface bolts. The local building official must approve this configuration of hardware for use in a means of egress.

The 10 Line / 10G77 Cylindrical Locks and 8200 / R8200 mortise Locks may be prefixed AWE, B, PG, P1, P2, IPSKM, CPKM, IPSM, CPM, IM, IKM, PRX, IA, IK, IN, KP, LK, LU, PA, PK, H1, H2, N1, N2, S1, S2, S3, TK, TL, TP and TU.

Yale

7150(F)WS / 7250M(F)WS Rim Exit and 7170(F)WS Surface Vertical Rod may be suffixed with any combination of A, B, O, or S. These devices may be prefixed by Sym and can include 600F Series Trims.

Use M200FWS or KRM200FWS Mullion with the 7150(F)WS / 7250M(F)WS Rim Exit.

On pairs of doors, one leaf of the pair utilizing with the 7170(F)WS Surface Vertical Rod may be replaced with two 988CR surface bolts. The local building official must approve this configuration of hardware for use in a means of egress

nexTouch Access Control may be used on single 3'0" x 7'0" assemblies with 4700LN cylindrical lock at design pressures of 60 psf or less .

Securitron

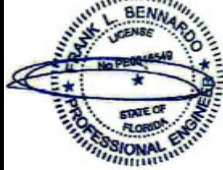
The MUNL may be used on 60 psf rated single 3'0" x 7'0" assemblies with a mortise Corbin Russwin ML2000, Sargent 7800/8200/R8200, or Yale 8800 mortise lock. The UNL may be used on 60 psf rated single 3'0" x 7'0" assemblies with a Corbin Russwin CL3100 / CL3300 / CL3500 / CL3800, Sargent 6500 / 7 /10, or Yale 5300 / 5300LN / 5400 / 5400LN Cylindrical Locks.

The ICPT Wireless Inductive Power Transfer may be used.

CURRIES

ASSA ABLOY

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885



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