CECO GLAZED PAIRS OF 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 4 TO DETERMINE THE APPLICABLE ASSEMBLY NUMBER

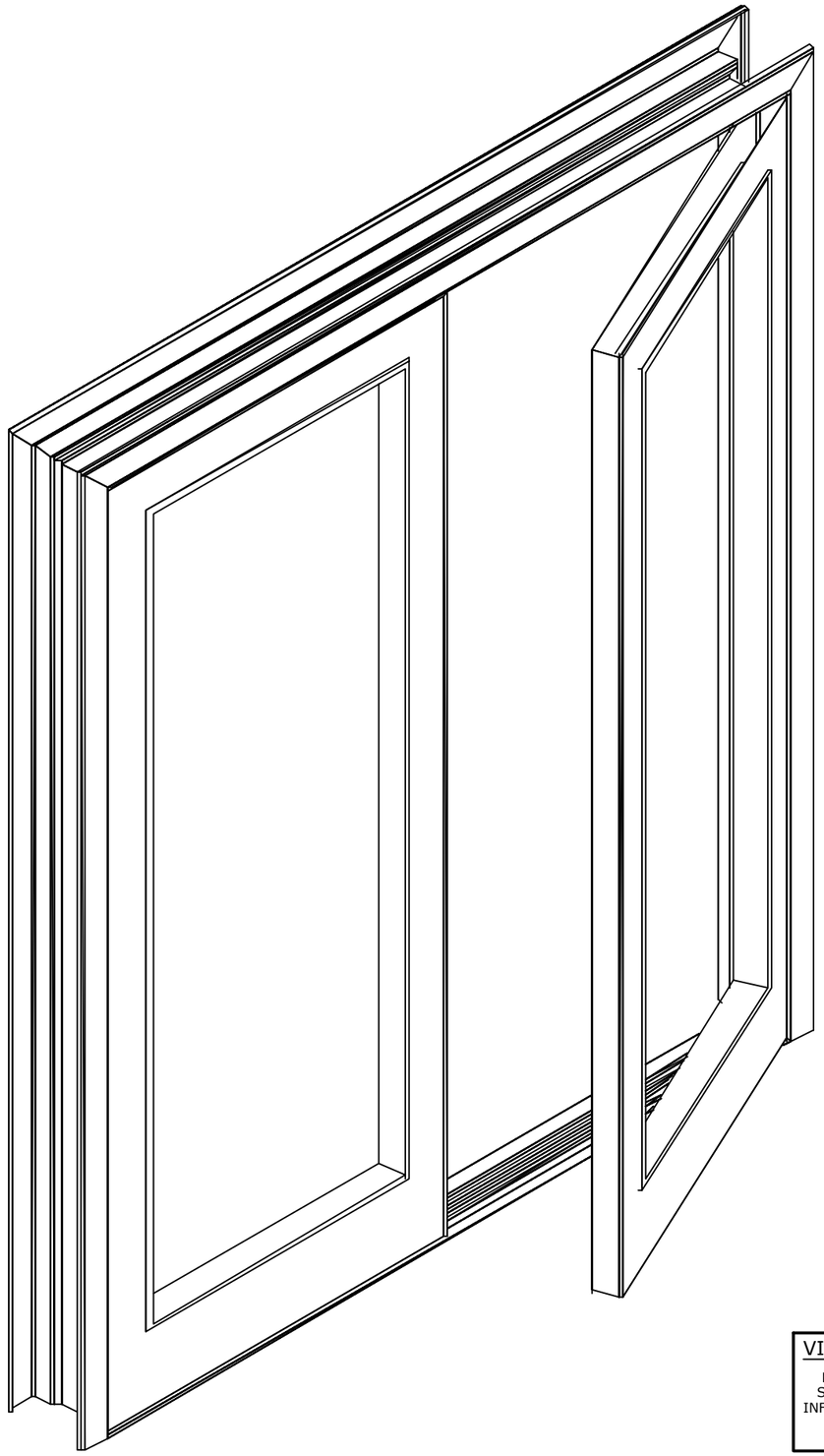
STEP 2: MOVE TO THE CHART BELOW THE DOOR ELEVATIONS, ALSO ON PAGE 2 THROUGH 4, AND LOCATE YOUR ASSEMBLY NUMBER. BY SCANNING HORIZONTALLY THROUGH THE SAME ROW OF YOUR ASSEMBLY NUMBER, YOU WILL BE ABLE TO DETERMINE THE APPROVED DOOR SERIES, MIN DOOR THICKNESS, MAX DESIGN PRESSURE, MAX DOOR OPENINGS, SWINGING OPTIONS, LATCHING HARDWARE FOR BOTH ACTIVE AND IN ACTIVE PANELS.

STEP 3: USE PAGES 6 THROUGH 8 TO DETERMINE YOUR GLAZING METHOD

STEP 4: USE PAGE 9 TO DETERMINE YOUR FRAMING PROFILES AND FRAMING CONSTRUCTION OPTIONS

STEP 5: USE THE TABLES ON PAGE 10 AND 11 TO DETERMINE THE ANCHOR TYPE AND SPACING, BASED ON THE YOUR PRESSURE AND SUBSTRATE CRITERIA

STEP 6: USE THE DETAILS PROVIDED ON PAGE 12 AND 13 TO DETERMINE YOUR WEATHERSTRIPPING OPTIONS



SHEET INDEX

VISIT ECALC.IO/assaabloy

FOR HELPFUL RESOURCES, SITE SPECIFIC JOB ORDERING & MORE INFORMATION ABOUT THIS PRODUCT & RELATED SERVICES

SCAN HERE:

FL# 16355.3

CecoDoor
ASSA ABLOY

Digitally signed by Frank Bennardo
Date: 2020.12.21 15:30:33 -05'00'

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

FRANK L. BENNARDO LICENSE No PE0046549 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL#16355.3

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CECO DOOR PRODUCTS
DIVISION OF ASSA ABLOY DOOR GROUP, INC.
9159 TELECOM DRIVE
MILAN, TN 38358

COMMERCIAL STEEL EXTERIOR DOORS
GLAZED PAIRS OF DOORS (LMI)
FBC SEVENTH EDITION (2020 FLORIDA PRODUCT APPROVALS)

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-	-	-	-

20-34878

SCALE: NTS UNLESS NOTED

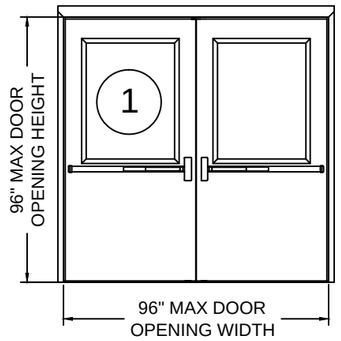
01 OF 14

CECO DOOR GLAZED PAIRS OF DOORS

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-LBS. (MISSILE LEVEL D)
PRODUCT MEETS REQUIREMENTS OF THE HIGH VELOCITY HURRICANE ZONE.

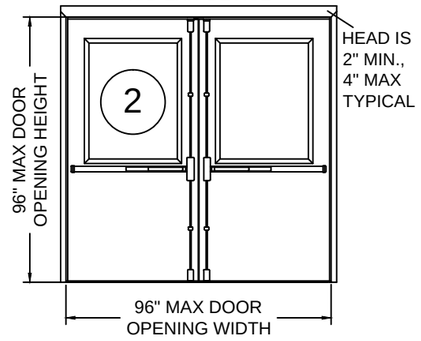
CECO DOOR
ASSA ABLOY

CONCEALED VERTICAL ROD EXIT DEVICE



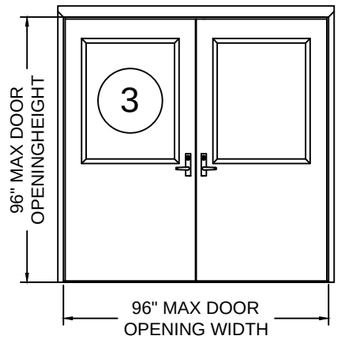
ASSEMBLY 1	
Design Pressure Where Water Infiltration Is NOT Needed	Design Pressure Where Water Infiltration IS Needed
+/-70 PSF	+/-60 PSF

SURFACE VERTICAL ROD EXIT DEVICE



ASSEMBLY 2	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-70 PSF	+/-60 PSF

CONCEALED TWO POINT LOCK



ASSEMBLY 3	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Needed
+/-70 PSF	+/-60 PSF

Assembly	Door Series	Minimum Door Gauge	Maximum Design Pressure (psf)		Maximum Door Opening (inches)		Maximum Exposed Glass (inches)		Maximum Area per Leaf (sq. in.)	Door Swing	Latching Hardware Description Active			Latching Hardware Description In-Active		
			Positive	Negative	Width	Height	Width	Height			Type	Brand	Model	Type	Brand	Model
1	Trio, Trio-E[a]	16	70	70	96	96	32	42	1344	Out Swing	Concealed Vertical Rod	Sargent	HC-MD-8600, HC-MD-12-8600, WS-MD-8600, WS-MD-12-8600	Concealed Vertical Rod	Sargent	HC-MD-8600, HC-MD-12-8600, WS-MD-8600, WS-MD-12-8600
2	Trio, Trio-E[a]	16	70	70	96	96	32	42	1344	Out Swing	Surface Vertical Rod	Corbin Russwin	ED5470(B) x M107	Surface Vertical Rod	Corbin Russwin	ED5470(B) x M107
												Sargent	HC4-8700,12-HC4-8700		Sargent	HC4-8700, 12-HC4-8700
												Yale	7170(F)WS		Yale	7170(F)WS
3	Trio, Trio-E[a]	16	70	70	96	96	32	42	1344	Out Swing	Concealed Two Point Lock	Sargent	WS-12-7000, HC-12-7000	Concealed Two Point Lock	Sargent	WS-12-7000, HC-12-7000
												Corbin Russwin	MP9800 (A/B) x M107		Corbin Russwin	MP9800 (A/B) x M107
	a - Glazing may be Glasslam Safety Plus II;															
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														
	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 maybe 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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FL# 16355.3

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SCALE: NTS UNLESS NOTED

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CECO DOOR GLAZED PAIRS OF DOORS

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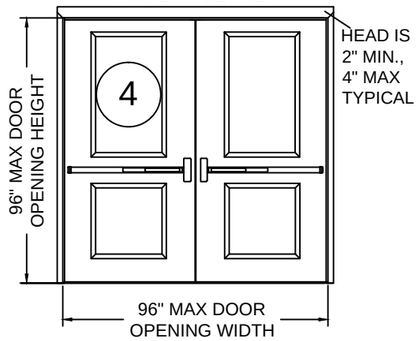
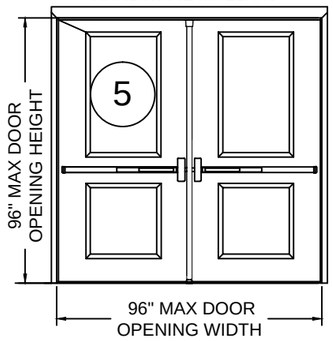
CECO DOOR
ASSA ABLOY

CONCEALED VERTICAL ROD EXIT DEVICE



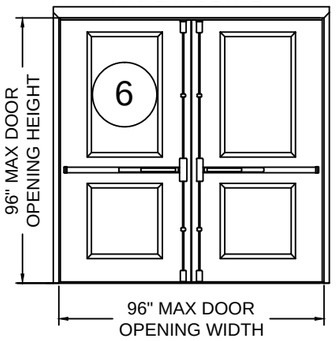
ASSEMBLY 4	
Design Pressure Where Water Infiltration Is NOT Needed	Design Pressure Where Water Infiltration IS Needed
+/-60 PSF	+/-60 PSF

RIM EXIT DEVICE HARDWARE MULLION



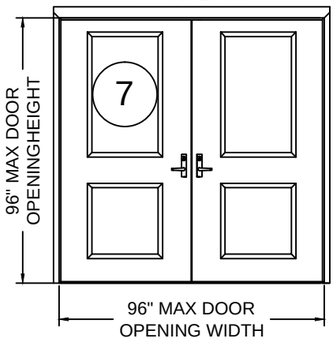
ASSEMBLY 5	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-60PSF	+/-60 PSF

SURFACE VERTICAL ROD EXIT DEVICE



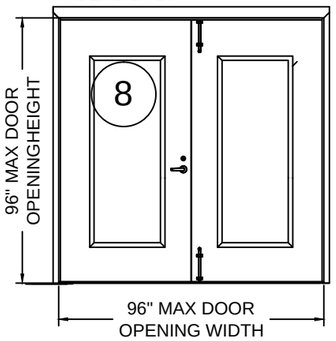
ASSEMBLY 6	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-60 PSF	+/-60 PSF

CONCEALED TWO POINT LOCK



ASSEMBLY 7	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Needed
+/-60 PSF	+/-60 PSF

MORTISE LOCK LATCH BOLT & DEAD BOLT — SURFACE BOLTS



ASSEMBLY 8	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-60 PSF	+/-60 PSF

Assembly	Door Series	Minimum Door Gauge	Maximum Design Pressure (psf)		Maximum Door Opening (inches)		Maximum Exposed Glass (inches)		Maximum Area per Leaf (sq. in.)	Door Swing	Latching Hardware Description Active			Latching Hardware Description In-Active		
			Positive	Negative	Width	Height	Width	Height			Type	Brand	Model	Type	Brand	Model
4	Medallion, Legion, Omega, Regent, Ultra[a,b,c]	16	60	60	96	96	24	66	1584	Out Swing	Concealed Vertical Rod	Sargent	HC-MD-8600, HC-MD-12-8600, WS-MD-8600, WS-MD-12-8600	Concealed Vertical Rod	Sargent	HC-MD-8600, HC-MD-12-8600, WS-MD-8600, WS-MD-12-8600
5	Medallion, Legion, Omega, Regent, Ultra[a,b,c]	16	60	60	96	96	24	66	1584	Out Swing	Rim Exit Device	Corbin Russwin	ED5200S(A) x M107	Rim Exit Device	Corbin Russwin	ED5200S(A) x M107
												Sargent	HC8800, 12-HC8800		Sargent	HC8800, 12-HC8800
												Yale	7150(F)WS/7250M(F)WS		Yale	7150(F)WS/7250M(F)WS
6	Medallion, Legion, Omega, Regent, Ultra[a,b,c]	16	60	60	96	96	24	66	1584	Out Swing	Surface Vertical Rod	Corbin Russwin	ED5470(B) x M107	Surface Vertical Rod	Corbin Russwin	ED5470(B) x M107
												Sargent	HC4-8700,12-HC4-8700		Sargent	HC4-8700, 12-HC4-8700
												Yale	7170(F)WS		Yale	7170(F)WS
7	Imperial, Medallion, Legion, Omega, Regent, Ultra, Versadoor[a,b,c]	16	60	60	96	96	24	66	1584	Out Swing	Concealed Two Point Lock	Sargent	WS-12-7000, HC-12-7000	Concealed Two Point Lock	Sargent	WS-12-7000, HC-12-7000
												Corbin Russwin	MP9800 (A/B) x M107		Corbin Russwin	MP9800 (A/B) x M107
8	Imperial, Medallion, Legion, Omega, Regent, Ultra, Versadoor[a,b,c]	16	60	60	96	96	24	66	1584	Out Swing Or In-Swing*	Mortise Lock Latch Bolt & Dead Bolt	Corbin Russwin	ML2000, ML20600, ML20700, ML20800, ML20900	Surface Bolt	Corbin Russwin	988CR
												Sargent	7800, 8200, R8200		Sargent	988
												Yale	8800		Yale	988Y

a - Glazing may be Glasslam Safety Plus II;
b - Glazing may be 1/4" thick polycarbonate, Width limited to 22", Height limited to 33-1/2"
c - 70 psf door desgin required

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 continuous hinge may
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 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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-	-	-	-

20-34878

SCALE: NTS UNLESS NOTED

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CECO DOOR GLAZED PAIRS OF DOORS

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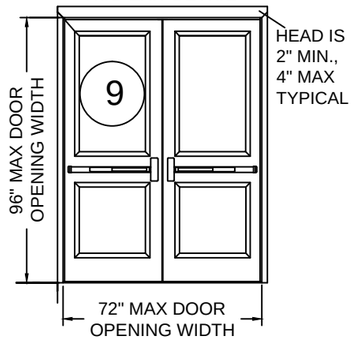
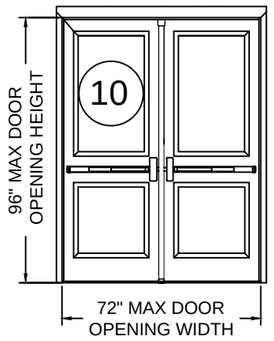
CECO DOOR
ASSA ABLOY

CONCEALED VERTICAL ROD EXIT DEVICE



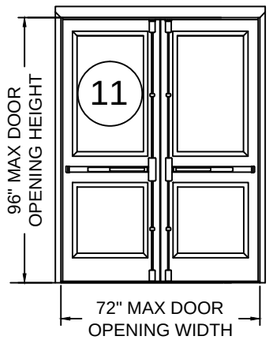
ASSEMBLY 9	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-60 PSF	+/-60 PSF

RIM EXIT DEVICE HARDWARE MULLION



ASSEMBLY 10	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-60PSF	+/-60 PSF

SURFACE VERTICAL ROD EXIT DEVICE



ASSEMBLY 11	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-60 PSF	+/-60 PSF

CONCEALED TWO POINT LOCK

ASSEMBLY 12	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-60 PSF	+/-60 PSF

MORTISE LOCK LATCH BOLT & DEAD BOLT — SURFACE BOLTS

ASSEMBLY 13	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-60 PSF	+/-60 PSF

Assembly	Door Series	Minimum Door Gauge	Maximum Design Pressure (psf)		Maximum Door Opening (inches)		Maximum Exposed Glass (inches)		Maximum Area per Leaf (sq. in.)	Door Swing	Latching Hardware Description Active			Latching Hardware Description In-Active		
			Positive	Negative	Width	Height	Width	Height			Type	Brand	Model	Type	Brand	Model
9	Imperial, Medallion, Legion, Omega, Regent, Ultra, Versadoor[a,b]	16	60	60	72	96	24	66	1584	Out Swing	Concealed Vertical Rod	Sargent	HC-MD-8600, HC-MD-12-8600, WS-MD-8600, WS-MD-12-8600	Concealed Vertical Rod	Sargent	HC-MD-8600, HC-MD-12-8600, WS-MD-8600, MD-12-8600
10	Imperial, Medallion, Legion, Omega, Regent, Ultra, Versadoor[a,b]	16	60	60	72	96	24	66	1584	Out Swing	Rim Exit Device	Corbin Russwin	ED5200S(A) x M107	Rim Exit Device	Corbin Russwin	ED5200S(A) x M107
												Sargent	HC8800, 12-HC8800		Sargent	HC8800, 12-HC8800
												Yale	7150(F)WS/7250M(F)WS		Yale	7150(F)WS/7250M(F)WS
11	Imperial, Medallion, Legion, Omega, Regent, Ultra, Versadoor[a,b]	16	60	60	72	96	24	66	1584	Out Swing	Surface Vertical Rod	Corbin Russwin	ED5470 x M107	Surface Vertical Rod	Corbin Russwin	ED5470(B) x M107
												Sargent	HC-8700,12-HC-8700		Sargent	HC-8700, 12-HC-8700
												Yale	7170(F)WS		Yale	7170(F)WS
12	Imperial, Medallion, Legion, Omega, Regent, Ultra, Versadoor[a,b]	16	60	60	72	96	24	66	1584	Out Swing	Concealed Two Point Lock	Sargent	WS-12-7000, HC-12-7000	Concealed Two Point Lock	Sargent	WS-12-7000, HC-12-7000
												Corbin Russwin	MP9800 (A/B) x M107		Corbin Russwin	MP9800 (A/B) x M107
13	Imperial, Medallion, Legion, Omega, Regent, Ultra, Versadoor[a,b]	16	60	60	72	96	24	66	1584	Out Swing Or In-Swing*	Mortise Lock Latch Bolt & Dead Bolt	Corbin Russwin	ML2000, ML20600, ML20700, ML20800, ML20900	Surface Bolt	Corbin Russwin	988CR
												Sargent	7800, 8200, R8200		Sargent	988
												Yale	8800		Yale	988Y
	a - Glazing may be Glasslam Safety Plus II; b - Glazing may be 1/4" thick polycarbonate, Width limited to 22", Height limited to 33-1/2"															
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	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.														
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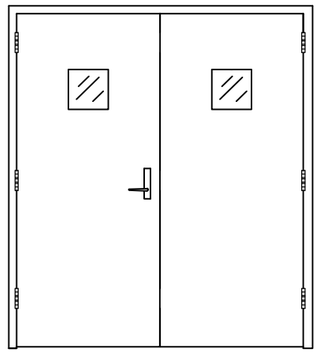
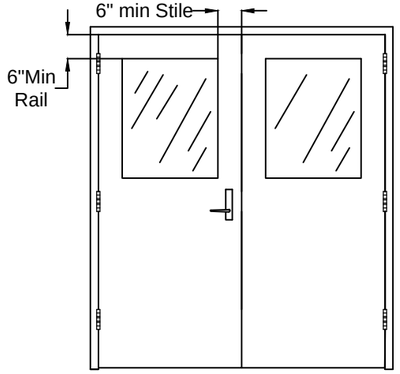
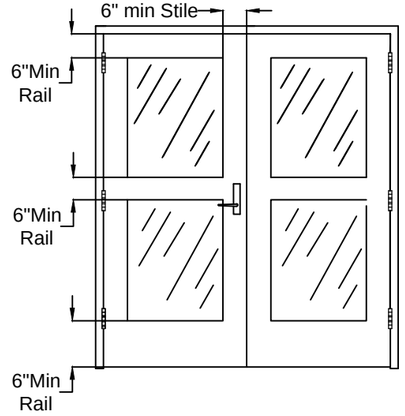
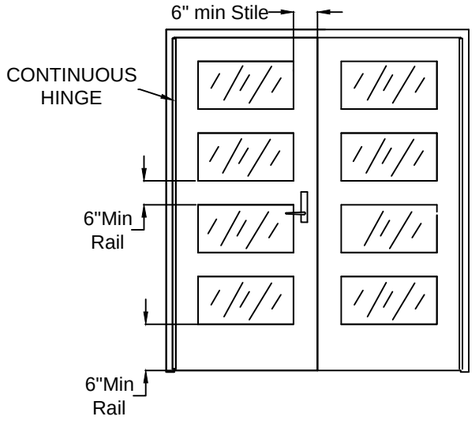
CecoDoor
ASSA ABLOY

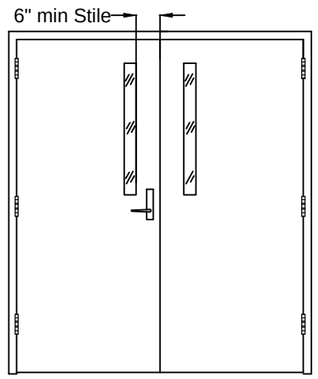
OPTIONAL ELEVATIONS

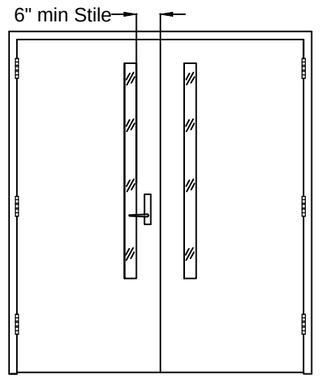


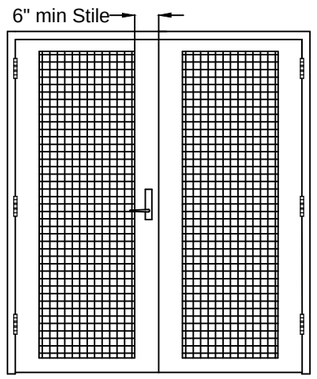


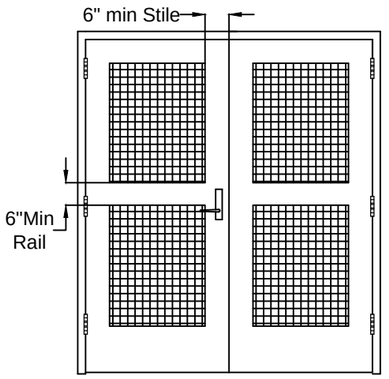


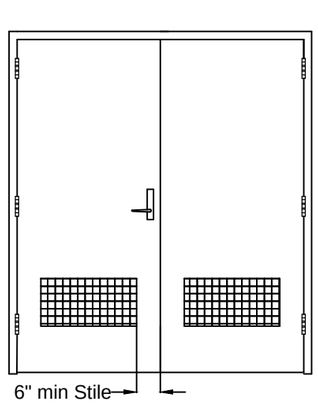












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CECO DOOR PRODUCTS
DIVISION OF ASSA ABLOY DOOR GROUP, INC.
9159 TELECOM DRIVE
MILAN, TN 38358

COMMERCIAL STEEL EXTERIOR DOORS
GLAZED PAIRS OF DOORS (LMI)
FBC SEVENTH EDITION (2020 FLORIDA PRODUCT APPROVALS)

REMARKS	DRWN	CHKD	DATE
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-	-	-	-

20-34878

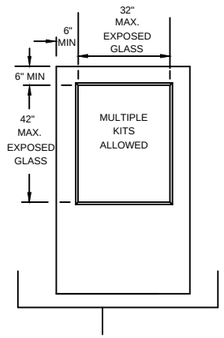
SCALE: NTS UNLESS NOTED

05 OF 14

CECO DOOR GLAZED PAIRS OF DOORS

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-LBS. (MISSILE LEVEL D)
PRODUCT MEETS REQUIREMENTS OF THE HIGH VELOCITY HURRICANE ZONE.

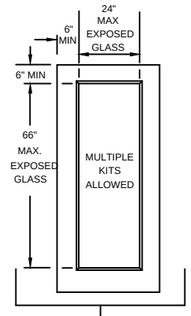
GLAZING OPTION
GLASSLAM SAFETY PLUS II
LAMINATED GLASS
OR
1/4" THICK MAKROLON POLYCARBONATE
SHEET BY BAYER MATERIAL SCIENCE, LLC



MAX DESIGN PRESSURE +/- 70 PSF

GLASSLAM SAFETY PLUS II AND POLYCARBONATE
1.) DESIGN PRESSURE 70 PSF
2.) MAXIMUM SIZE 32" X 42".
3.) MAXIMUM AREA PER LEAF IS 1344 SQ. IN.
4.) MULTIPLE LIGHTS ALLOWED
5.) POLYCARBONATE USED IN THE HVHZ MUST HAVE A VALID NOA.

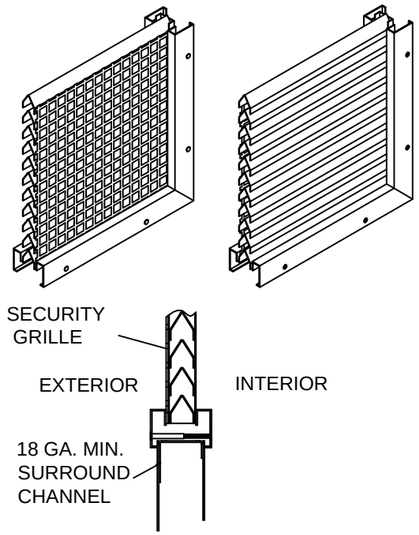
GLAZING OPTION
GLASSLAM SAFETY PLUS II
LAMINATED GLASS



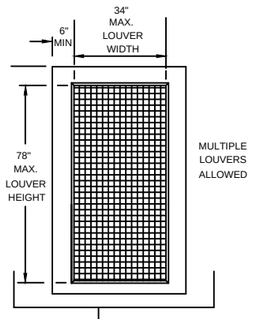
MAX DESIGN PRESSURE +/- 60 PSF

GLASSLAM SAFETY PLUS II
1.) DESIGN PRESSURE 60 PSF
2.) MAXIMUM GLASS SIZE 24" X 66"
3.) MAXIMUM GLASS AREA PER LEAF IS 1584 SQ. IN.
4.) MULTIPLE LIGHTS ALLOWED.

ROCKWOOD V-WS LOUVER



GLAZING OPTION
PEMKO LV-WS LOUVER



MAX DESIGN PRESSURE +/- 70 PSF

ROCKWOOD LV-WS LOUVER
1.) DESIGN PRESSURE - 70 PSF MAX.
2.) MAXIMUM LOUVER SIZE IS 34" X 78". MAY BE USED WITH CYLINDRICAL LOCKS AND MORTISE LOCKS. CONTACT FACTORY FOR LIMITATIONS WHEN USING EXIT DEVICES,
3.) 6" MINIMUM STILES AND RAILS REQUIRED.
4.) MULTIPLE LOUVERS ALLOWED PER DOOR UP TO 3652 SQ. IN.
5.) SURROUND CHANNEL REQUIRED.
6.) LOUVER NOT QUALIFIED FOR AIR OR WATER INFILTRATION

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CecoDoor
ASSA ABLOY

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GLAZED PAIRS OF DOORS (LMI)
FBC SEVENTH EDITION (2020 FLORIDA PRODUCT APPROVALS)

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-	-	-	-

20-34878

SCALE: NTS UNLESS NOTED

06 OF 14

CECO DOOR GLAZED PAIRS OF DOORS

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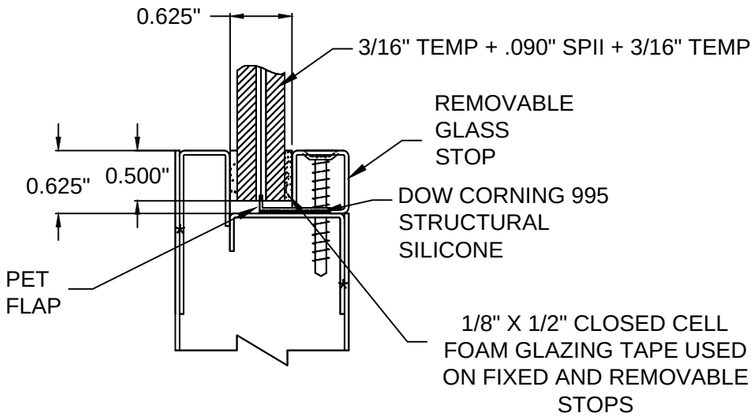
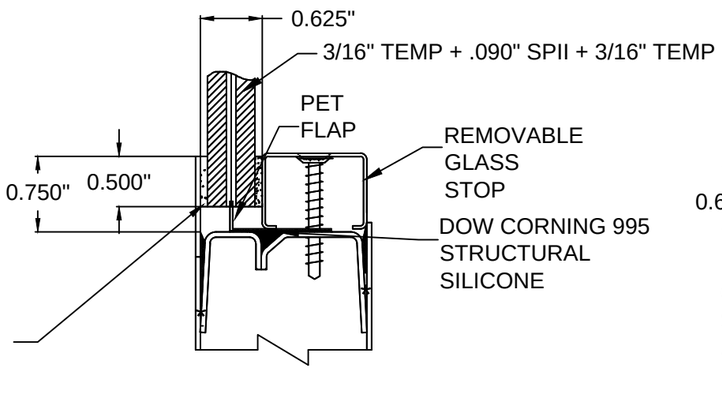
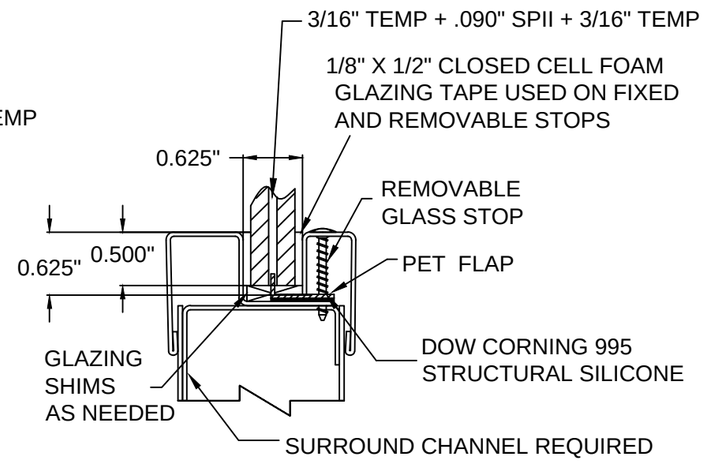
PRODUCT MEETS REQUIREMENTS OF THE HIGH VELOCITY HURRICANE ZONE.







GLAZING INSTRUCTIONS

1) Before removing the removable stops, check to be sure there are screws in every hole. Pre-drill holes with a #36 bit where there are screw holes but no screws. Do not remove stops.
2) Using a pencil, mark alignment marks on the removable stops and the door.
3) Unscrew the #6 x 1-1/4" oval head TEK screws from the removable stops and remove the removable stops. Keep the screws.
4) Apply 1/8" x 1/2" closed cell foam glazing tape to the fixed stop.
5) If there is plastic release on the foam glazing tape, pull the plastic release back about 2" from each end of the foam tape. Pull the plastic release around the fixed stop so it can be grasped after placing the Glasslam on the unexposed foam tape.
6) If there is paper release on the foam glazing tape, remove the paper release before glazing. Spray the exposed foam tape with a mild soap solution immediately before placing the Glasslam on the exposed foam tape.
7) Place glazing shims, as needed, then set the Glasslam on the foam glazing tape.
8) Adjust the Glasslam assembly, as necessary, to center the assembly in the cutout.
9) If the release is plastic, grasp the free end of the plastic release, while holding the Glasslam to keep it from moving. Then slowly pull the plastic release off the foam tape that was applied to the fixed stop.
10) Trim the PET flap so it does not extend beyond the removable glass stop.
11) Take a putty knife and insert it between the PET flap and the edge of the cutout in the door. Using the putty knife pull the PET flap away from the cutout in the door.
12) While holding the PET flap back away from the cutout with the putty knife, use a caulking gun to apply Dow Corning 995 silicone between the PET flap and the steel in the cutout of the door.

IMPORTANT: Ensure that the Dow Corning 995 silicone fully wets out or covers the PET flap and comes in contact with the steel around the cutout in the door.

13) Slowly move the putty knife around the door ahead of the caulking gun and apply the 995 silicone around the entire cutout in the door.
14) Apply 1/8" x 1/2" closed cell foam glazing tape to the removable stop.
15) If there is plastic release on the foam glazing tape, pull the plastic release back about 2" from each end of the foam tape. Pull the plastic release around the removable stop so it can be grasped after placing the removable stop.
16) If there is paper release on the foam glazing tape, remove the paper. Spray the exposed foam tape with a mild soap solution immediately before placing the removable stops against the Glasslam.
17) Using the alignment marks, position the removable stops against the Glasslam.
18) Install and tighten the #6 x 1-1/4" oval head TEK screws in the removable stops. Be careful not to over tighten.
19) If the release is plastic, grasp the free end of the plastic release, and slowly pull the plastic release off the foam tape that was applied to the removable stop.
20) Using the Dow Corning 995 silicone or other high quality silicone, apply a cap bead over the closed cell foam tape on the exterior side of the door vision light kit.

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20-34878

SCALE: NTS UNLESS NOTED

07 OF 14

CECO DOOR GLAZED PAIRS OF DOORS

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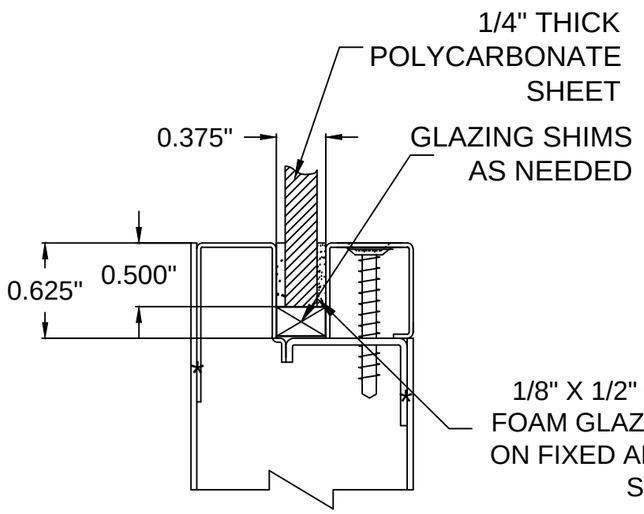

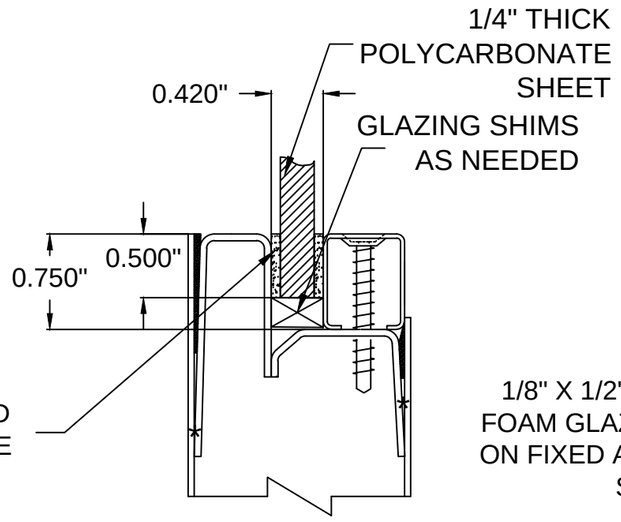

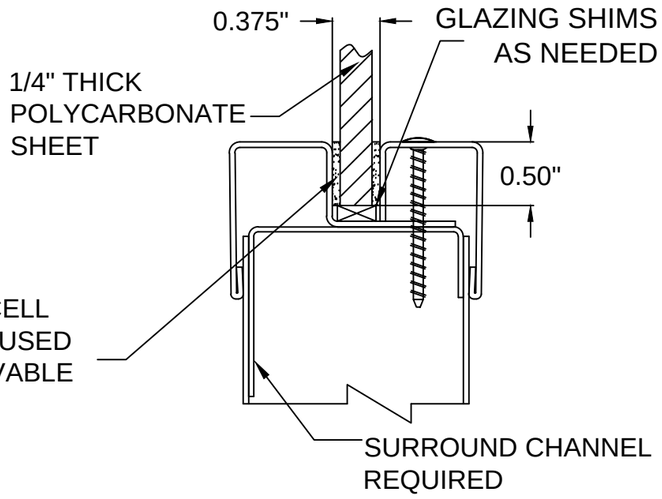

GLAZING INSTRUCTIONS

1) Before removing the removable stops, check to be sure there are screws in every hole. Pre-drill holes with a #36 bit where there are screw holes but no screws. Do not remove stops.
2) Using a pencil, mark alignment marks on the removable stops and the door.
3) Unscrew the glass stop screws from the removable stops and remove the removable stops. Keep the screws.
4) Apply 1/8" x 1/2" closed cell foam glazing tape to the fixed stop.
5) If there is plastic release on the foam glazing tape, pull the plastic release back about 2" from each end of the foam tape. Pull the plastic release around the fixed stop so it can be grasped after placing the polycarbonate on the unexposed foam tape.
6) If there is paper release on the foam glazing tape, remove the paper release before glazing. Spray the exposed foam tape with a mild soap solution immediately before placing the polycarbonate on the exposed foam tape.
7) Place glazing shims, as needed, then set the polycarbonate on the foam glazing tape.
8) Adjust the polycarbonate, as necessary, to center the polycarbonate in the cutout.
9) If the release is plastic, grasp the free end of the plastic release, while holding the polycarbonate to keep it from moving. Then slowly pull the plastic release off the foam tape that was applied to the fixed stop.
10) Apply 1/8" x 1/2" closed cell foam glazing tape to the removable stop.
11) If there is plastic release on the foam glazing tape, pull the plastic release back about 2" from each end of the foam tape. Pull the plastic release around the removable stop so it can be grasped after placing the removable stop.
12) If there is paper release on the foam glazing tape, remove the paper. Spray the exposed foam tape with a mild soap solution immediately before placing the removable stops against the polycarbonate.
13) Using the alignment marks, position the removable stops against the polycarbonate.
14) Install and tighten the glass stop screws in the removable stops. Be careful not to over tighten.
15) If the release is plastic, grasp the free end of the plastic release, and slowly pull the plastic release off the foam tape that was applied to the removable stop.
16) Using the Dow Corning 995 silicone or other high quality silicone, apply a cap bead over the closed cell foam tape on the exterior side of the door vision light kit.

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CECO DOOR GLAZED PAIRS OF DOORS

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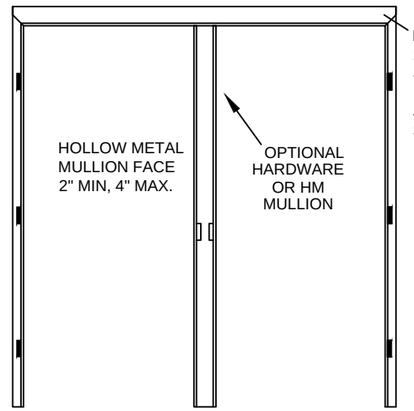
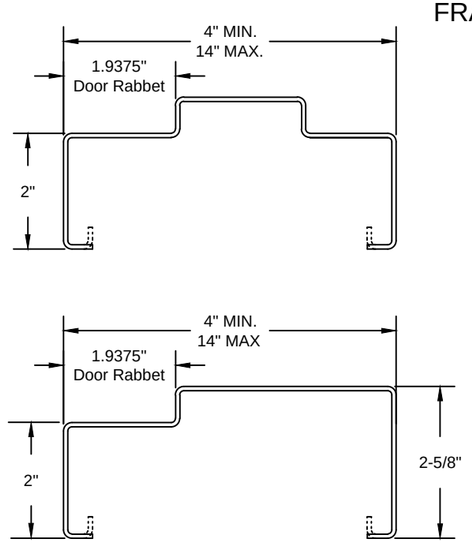
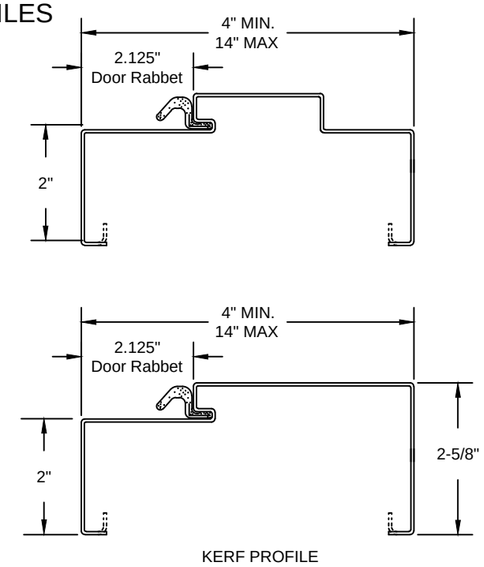


8'0" X 8'0" MAX.
4" MIN./14" MAX. DEPTH
KD 16 GA. MIN.
WELDED 16 GA MIN., 12 GA. MAX.
MAX DESIGN PRESSURE +/-70 PSF
FOUR SIDED DOOR FRAME WITH WELDED CORNERS ALSO PERMITTED

FRAME PROFILES

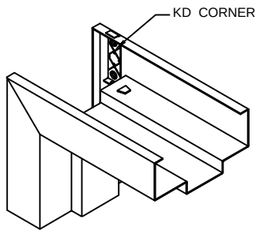


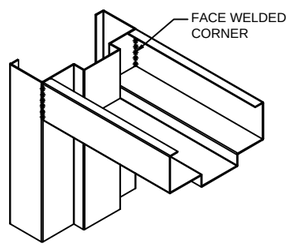
CONVENTIONAL PROFILE

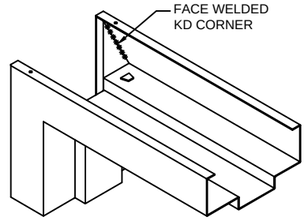


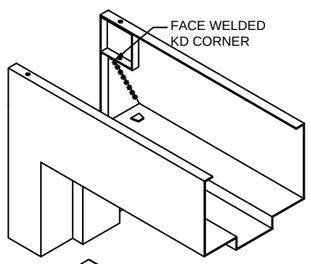
KERF PROFILE

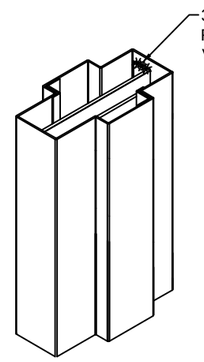
FRAME CONSTRUCTION OPTIONS

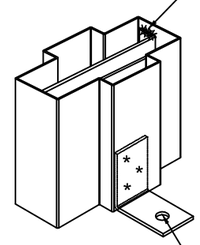


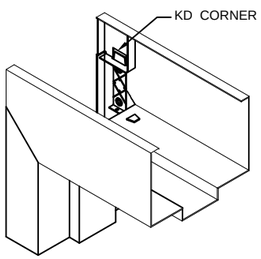


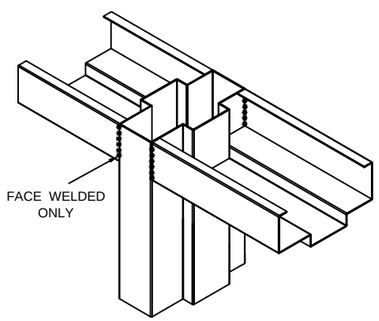


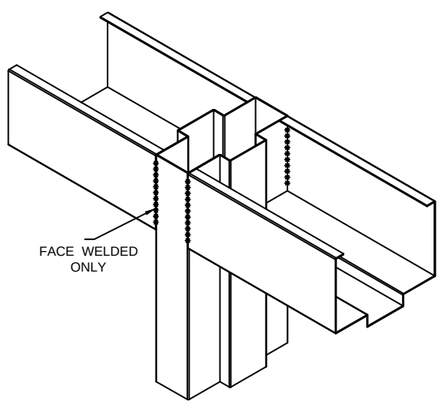


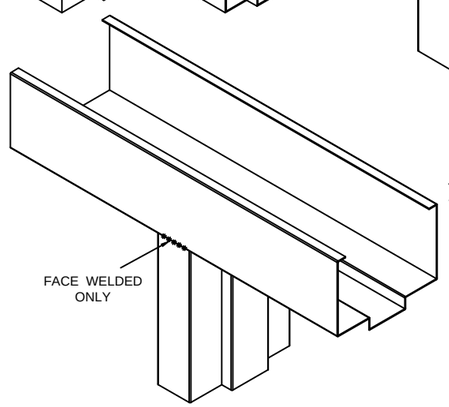


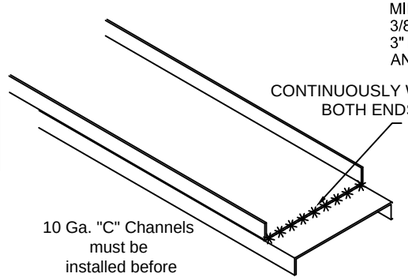












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MILAN, TN 38358

COMMERCIAL STEEL EXTERIOR DOORS
GLAZED PAIRS OF DOORS (LMI)
FBC SEVENTH EDITION (2020 FLORIDA PRODUCT APPROVALS)

REMARKS	DRWN	CHK'D	DATE
INIT ISSUE (12-CUI-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
-	-	-	-

20-34878

SCALE: NTS UNLESS NOTED

09 OF 14

CECO DOOR GLAZED PAIRS OF DOORS

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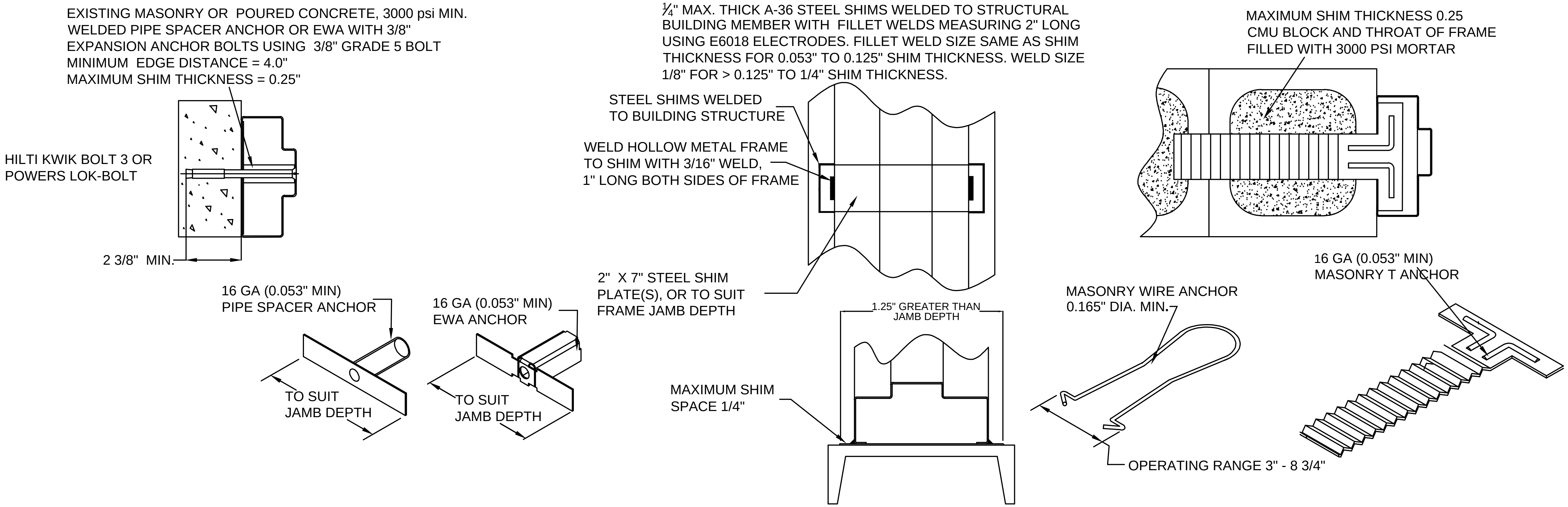
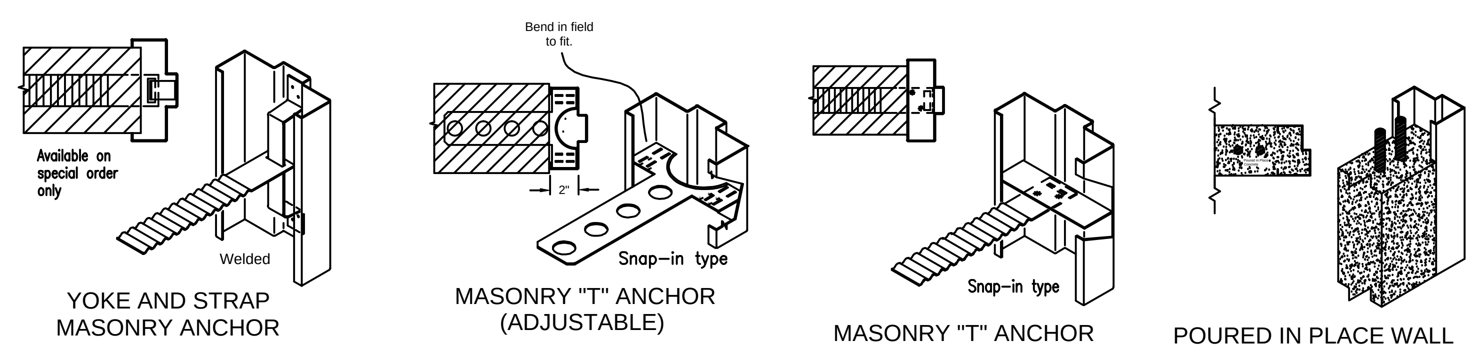
PRODUCT MEETS REQUIREMENTS OF THE HIGH VELOCITY HURRICANE ZONE.



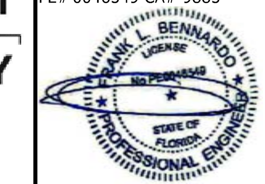


Expansion Shell Anchor Requirements for Jambs of Paired Frames			
	Up to an including 70 psf		
Opening Height (inches)	Max. Distance From End of Jamb	Min. Anchor Quantity	Maximum Spacing (inches)
Up to 88"	12	4	19
90"	12	4	19
92"-96"	12	4	19
Expansion Shell Anchor Requirements for Heads of Paired Frames			
70 psf	2 anchors in the head @ 4 1/2" O.C		

Masonry Strap, Masonry T, and Masonry Wire Anchor Requirements for Jambs of Paired Frames			
	Up to an including 70 psf		
Opening Height (inches)	Max. Distance From End of Jamb	Min. Anchor Quantity	Maximum Spacing (inches)
Up to 88"	12	4	24
90"	12	4	24
92"-96"	12	4	24
Expansion Shell Anchor Requirements for Heads of Paired Frames			
70 psf	2 anchors in the head @ 4 1/2" O.C		

FL# 16355.3

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



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CECO DOOR GLAZED PAIRS OF DOORS

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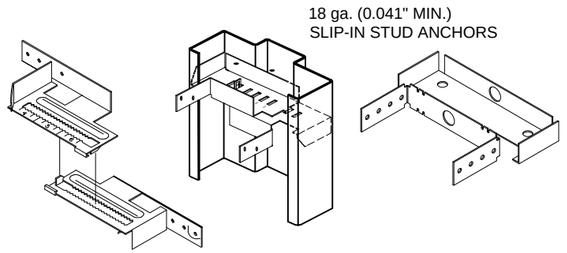
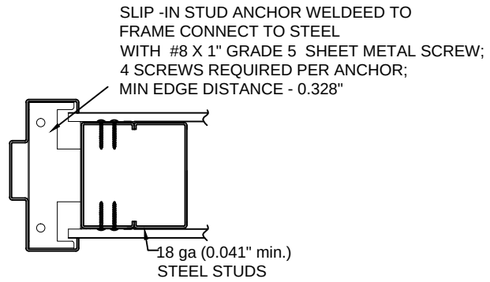
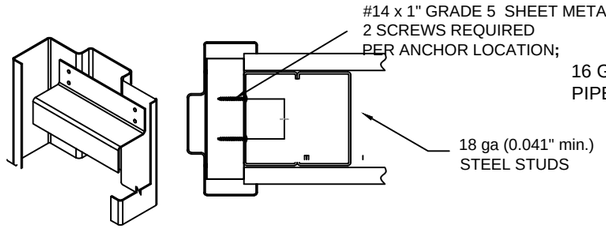
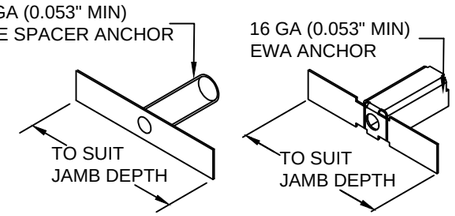
PRODUCT MEETS REQUIREMENTS OF THE HIGH VELOCITY HURRICANE ZONE.

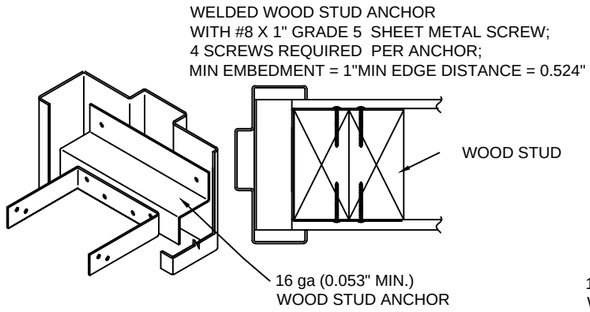
CecoDoor
ASSA ABLOY

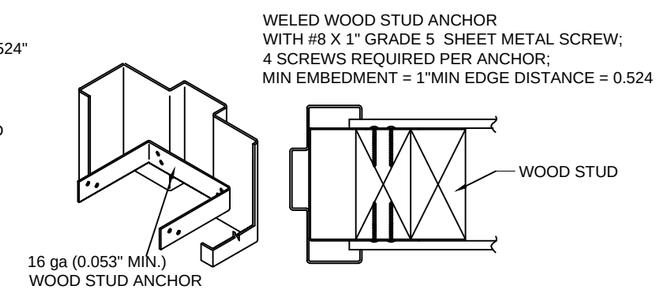


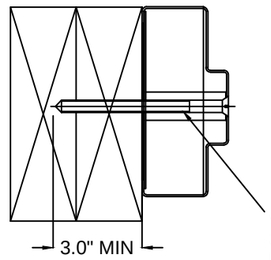




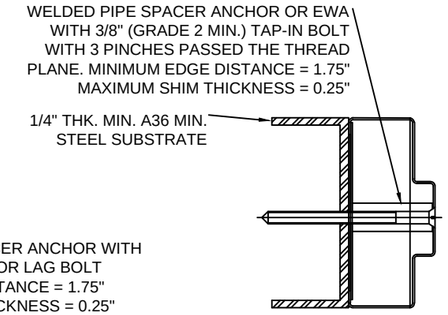




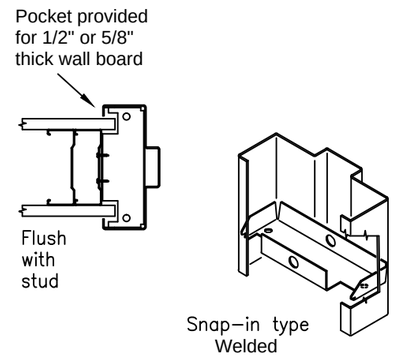




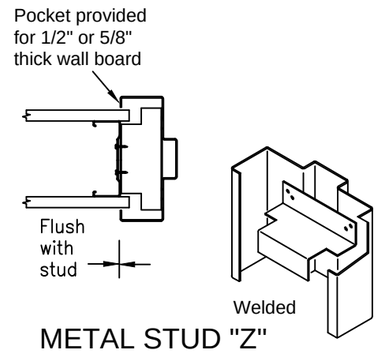
WELDED PIPE SPACER ANCHOR WITH
3/8" WOOD SCREW OR LAG BOLT
MINIMUM EDGE DISTANCE = 1.75"
MAXIMUM SHIM THICKNESS = 0.25"



Stud Anchor Requirements for Paired Frame Jambs			
	Up to an including 70 psf		
Opening Height (inches)	Max. Distance From End of Jamb	Min. Anchor Quantity	Maximum Spacing (inches)
Up to 88"	12	4	21
90"	12	5	21
92"-96"	12	5	21
Stud Anchor Requiremnts for Heads of Paired Frames			
70 psf	4 anchors in the head @ 3" O.C		
Note: Stud Anchors May not be Used Above 70 psf.			



METAL STUD ANCHOR



METAL STUD "Z" ANCHOR

FL# 16355.3

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PE# 0046549 CA# 9885

FL#16355.3

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11 OF 14

CECO DOOR GLAZED PAIRS OF DOORS

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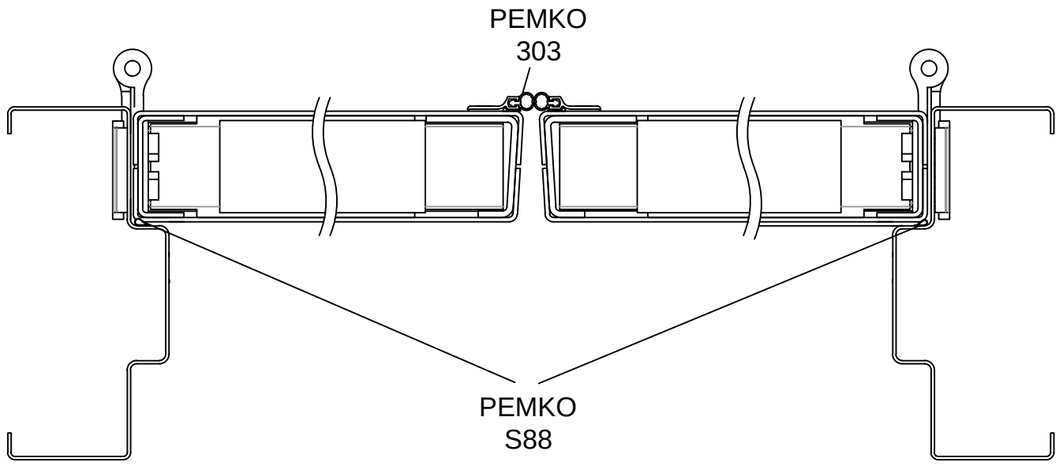
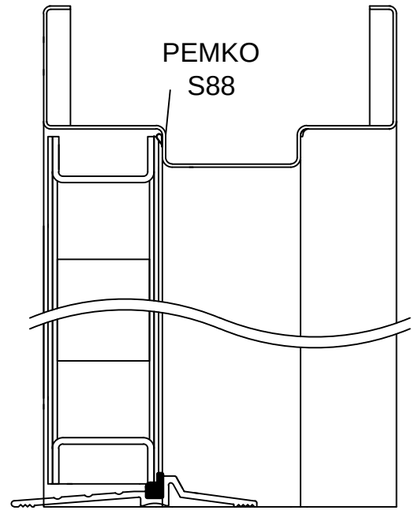
CecoDoor
ASSA ABLOY

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





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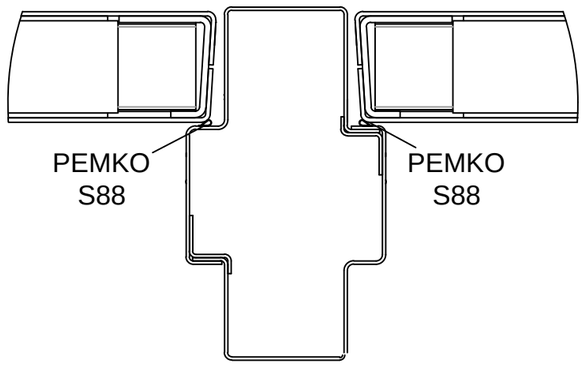
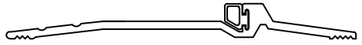


PEMKO
S88

PEMKO
303



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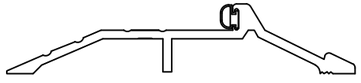
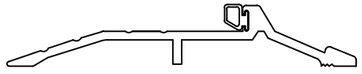


PEMKO 181



PEMKO 177

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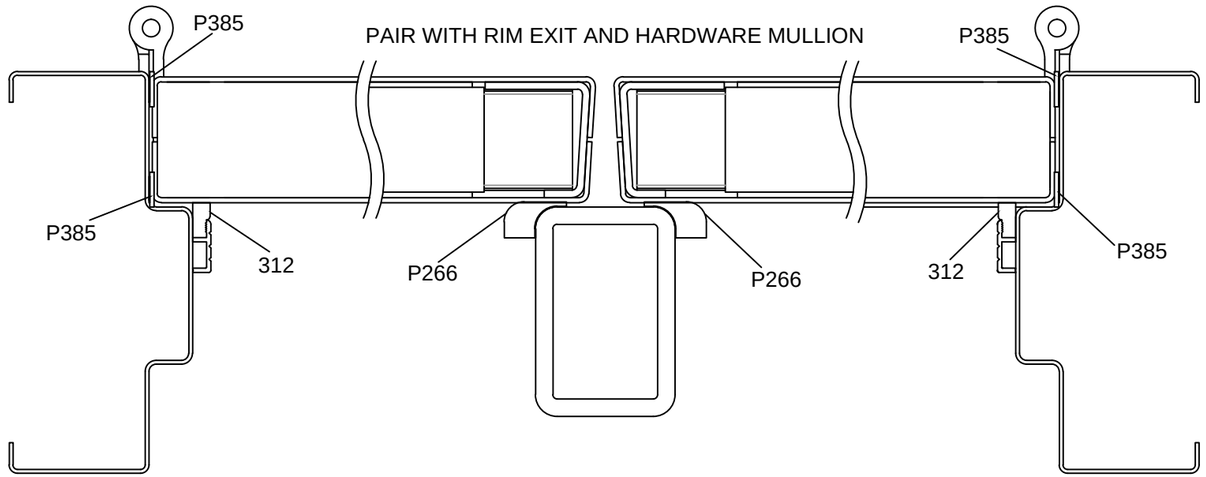
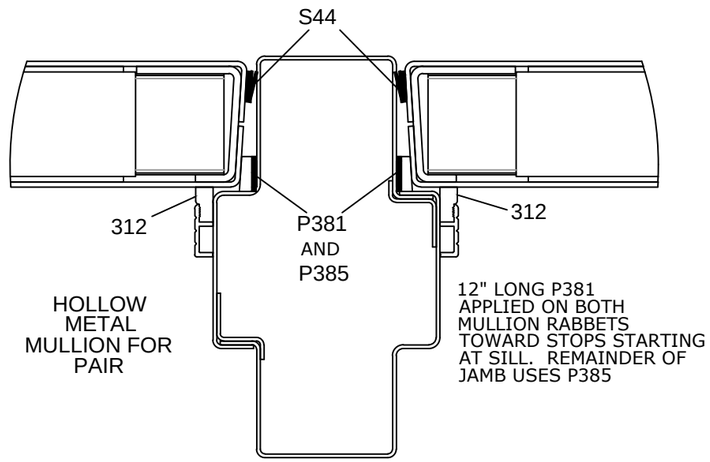
CecoDoor
ASSA ABLOY

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

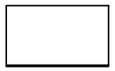





PEMKO 312

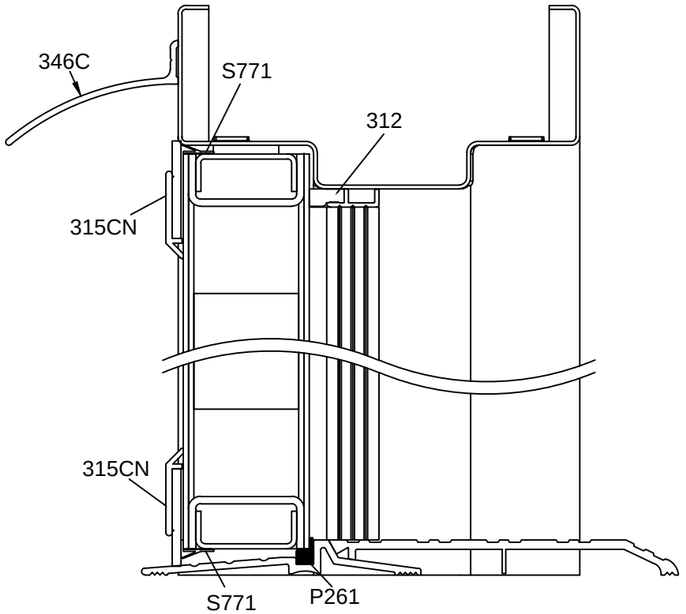

PEMKO P242


PEMKO P261


PEMKO P266

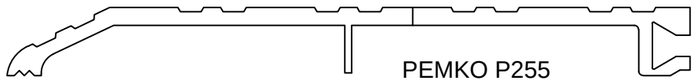

PEMKO P381


PEMKO P385



PAIR WITH RIM EXIT AND HARDWARE MULLION


PEMKO 2008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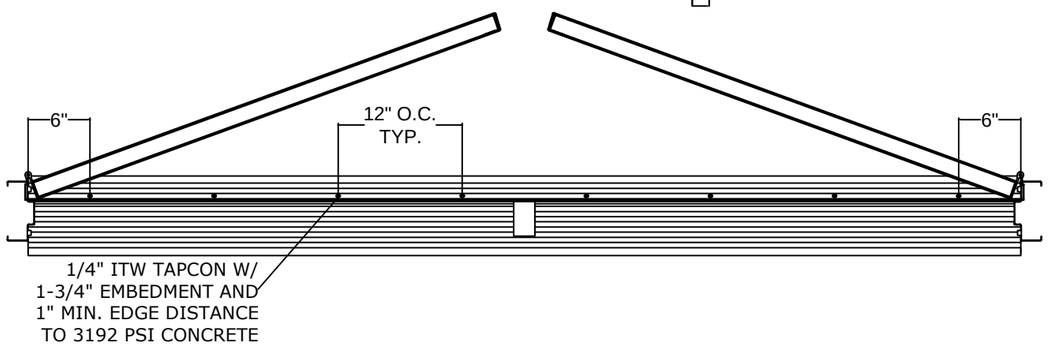
PEMKO 346C


PEMKO S771


PEMKO S44


PEMKO 315CN



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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 suffixes.

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 500F or 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.

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ASSA ABLOY

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