CURRIES FLUSH PAIRS OF DOORS

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

INSTRUCTIONS FOR USING THIS APPROVAL

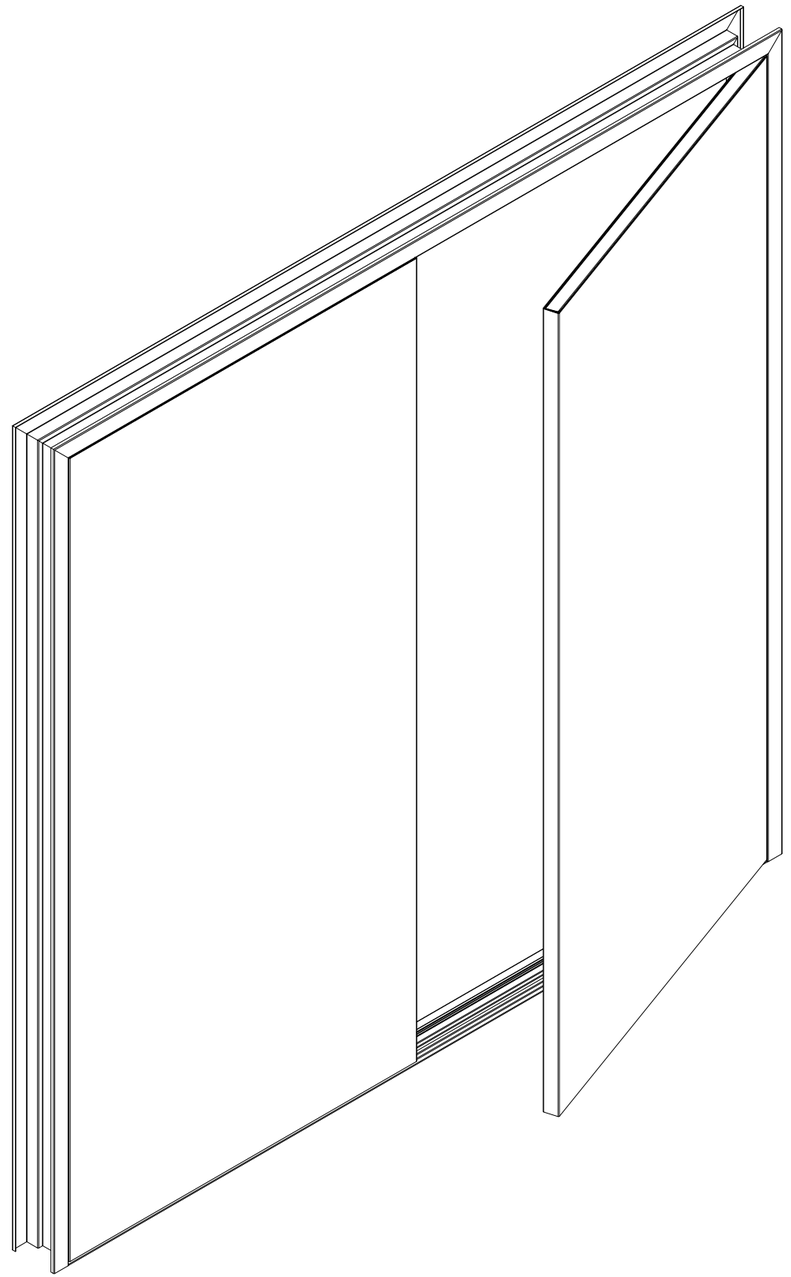
STEP 1: USE THE DOOR ELEVATIONS PROVIDED ON SHEET 2 TO DETERMINE THE APPLICABLE ASSEMBLY NUMBER

STEP 2: MOVE TO THE CHART BELOW THE DOOR ELEVATIONS, ALSO ON SHEET 2, 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 GAUGE, MAX. DESIGN PRESSURE, MAX DOOR OPENING, SWINGING OPTIONS, AND LATCHING HARDWARE FOR BOTH ACTIVE AND INACTIVE PANELS.

STEP 3: USE SHEET 3 TO DETERMINE YOUR FRAMING PROFILE AND FRAMING CONSTRUCTION OPTIONS

STEP 4: USE THE TABLE(S) ON SHEET 4 TO DETERMINE THE ANCHOR TYPE AND SPACING, BASED ON YOUR PRESSURE AND SUBSTRATE CRITERIA

STEP 5: USE THE DETAILS PROVIDED ON SHEET 5 AND THE ADDITIONAL WEATHERSTRIPPING NOTES ON SHEET 6 TO DETERMINE YOUR WEATHERSTRIPPING OPTIONS



SHEET INDEX

CURRIES
ASSA ABLOY

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Curries
Division of ASSA ABLOY Door Group, Inc.
1502 12th NE
Mason City, Iowa 50401

COMMERCIAL STEEL EXTERIOR DOOR ASSEMBLIES
FLUSH PAIRS OF DOORS
FBC SIXTH EDITION (2017) FLORIDA PRODUCT APPROVAL 32087.1

REV	DESCRIPTION	DRWN	CHKD	DATE
-	ORIGINAL ISSUE	Rattay	Rattay	03/20/20
A	Revise to reflect ASCE 7-16, Florida Building Code (2020)	Rattay	Rattay	11/24/20
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
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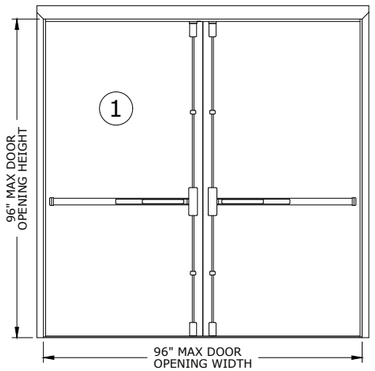
-	-	-	-	-
-	-	-	-	-

SCALE: NTS UNLESS NOTED
DWG #: RD1231
SHEET: 1 OF 6

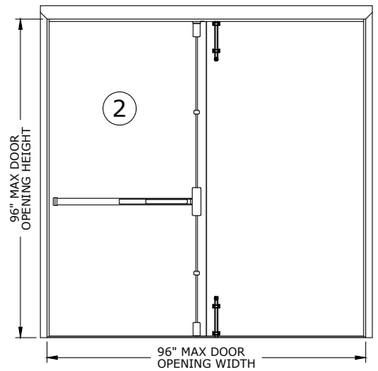
CURRIES FLUSH PAIRS OF DOORS

PRODUCTS ILLUSTRATED IN THIS DOCUMENT ARE QUALIFIED FOR LARGE AND SMALL MISSILE IMPACT. LARGE MISSILE IMPACT IS 9 LB 2 X 4 AT 80 FEET PER SECOND OR 895 FT-LBS. (MISSILE LEVEL E)
PRODUCT MEETS REQUIREMENTS OF THE HIGH VELOCITY HURRICANE ZONE.

SURFACE VERTICAL ROD EXIT DEVICES



SURFACE VERTICAL ROD EXIT DEVICE x SURFACE BOLTS



ASSEMBLY 1	
Design Pressure Where Water Infiltration is NOT Required	Design Pressure Where Water Infiltration is IS Required
±150 PSF	±60 PSF

ASSEMBLY 2	
Design Pressure Where Water Infiltration is NOT Required	Design Pressure Where Water Infiltration is IS Required
±150 PSF	±60 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
1	707, 747, 847	14	150	150	96	96	Out-Swing	Surface Vertical Rod	Sargent	HC4-8700 Series
2[1]	707, 747, 847	14	150	150	96	96	Out-Swing	Surface Vertical Rod (Active)	Sargent	HC4-8700 Series
								Surface Bolts (Inactive)	Sargent	988
Hinges	Butt	Minimum 4-1/2" x 4-1/2" x 0.134" minimum thick steel or stainless steel hinges; any FBC approved hinges; any SDI member hinge locations; Electrolynx or QC concealed plug connector is optional								
	Continuous	Markar FM300, FM3500 continuous stainless steel; Pemko FMSLFHD, FMSLIHD continuous aluminum; any FBC approved continuous hinge								
	Pivot	Any FBC approved pivot hinge								
Auxiliary Hardware		Door Position Switch (DPS): Securitron DPS-M or any FBC approved DPS having maximum 1" diameter preparation or fits in a cutout measuring a maximum 1.25" x 4.875"; Electric Power Transfer (EPT): Securitron CEPT, EPT, EPTL, ICPT, SEPT or any FBC approved EPT; Magnetic Lock (maglock): any FBC approved magnetic lock (surface mounted or shear) in addition to the hardware listed above; Viewers: any with 1" maximum hole preparation; Hardware Mullions: Sargent HC980, 12-HC980, HCL980, 12-HCL980 or any FBC approved								

[1] The local building official must approve this configuration of hardware for use in a means of egress.

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SHEET: 2 OF 6

CURRIES FLUSH PAIRS OF DOORS

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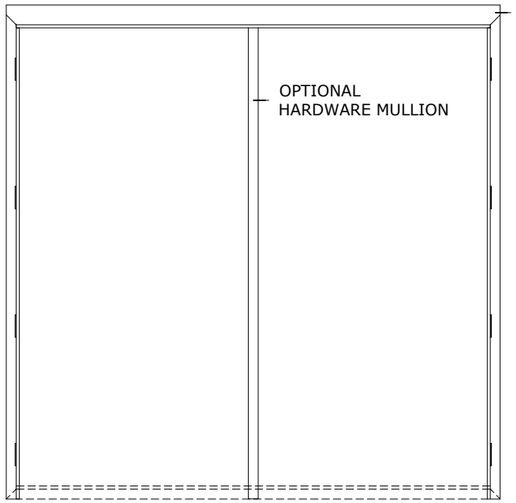
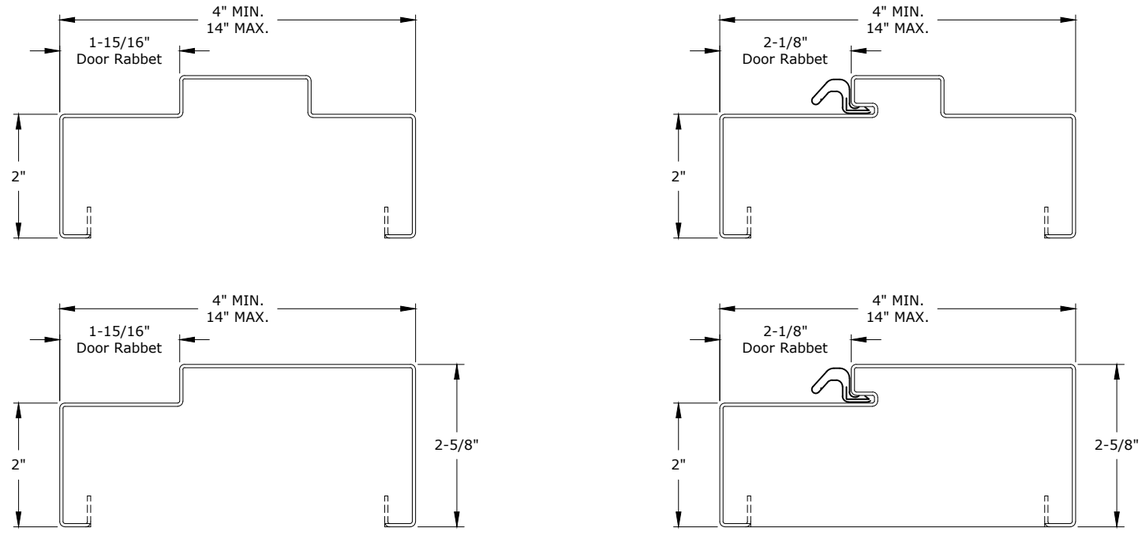


8080 ± 150 PSF MAX. DESIGN PRESSURE
4" MIN. / 14" MAX. DEPTH
KD CORNER 16 GA. MIN. / 14 GA. MAX.
WELDED CORNER 16 GA. MIN. / 12 GA. MAX.
FOUR SIDED DOOR FRAME WITH WELDED CORNERS ALSO PERMITTED

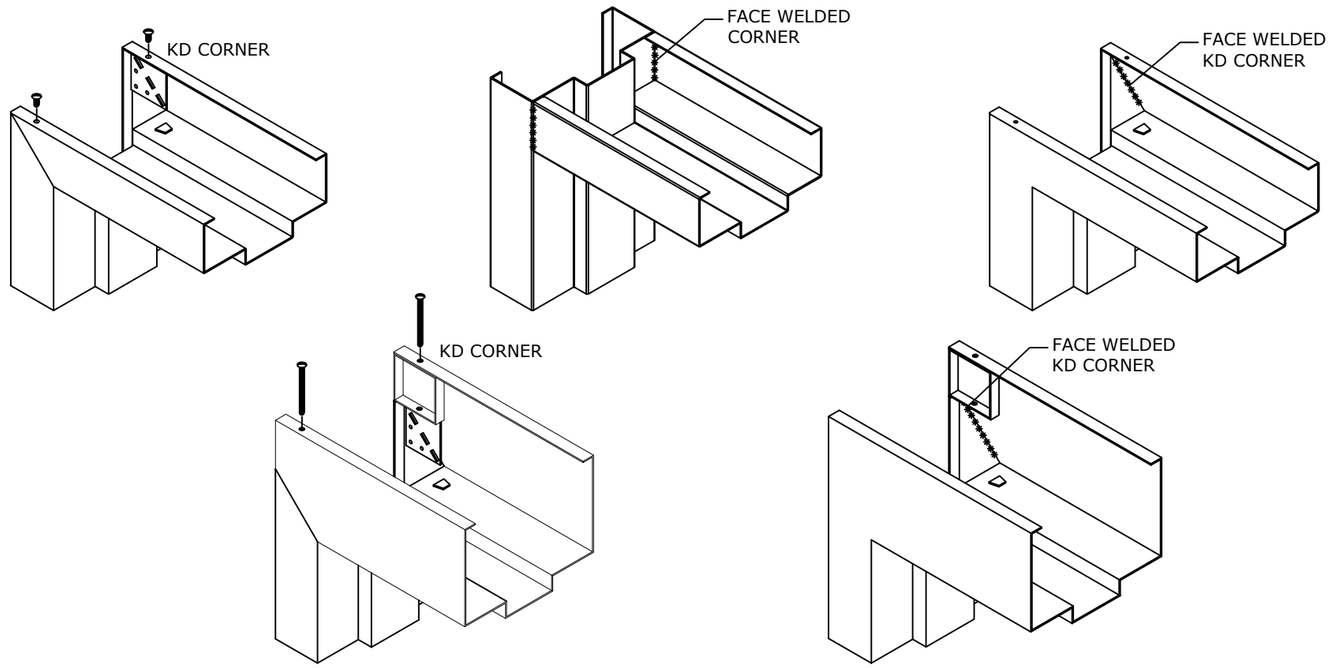
FRAME PROFILES



CONVENTIONAL PROFILE

KERF PROFILE

FRAME CONSTRUCTION OPTIONS



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SCALE: NTS UNLESS NOTED
DWG #: RD1231
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CURRIES FLUSH PAIRS OF DOORS

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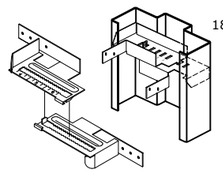
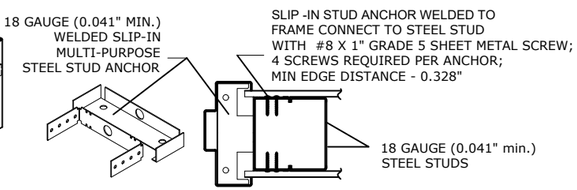
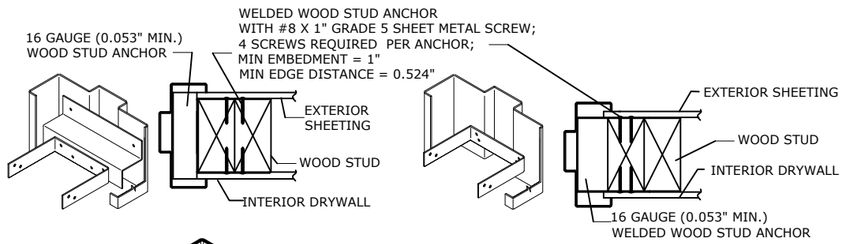
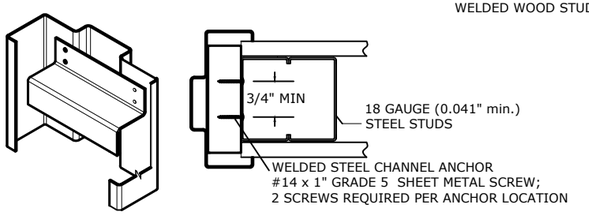
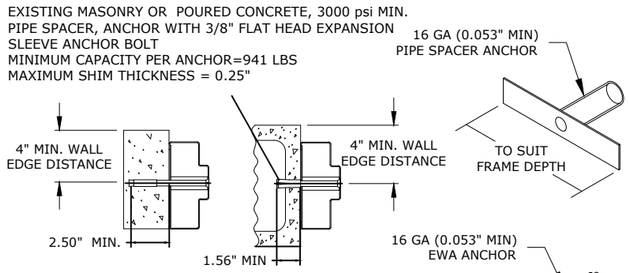
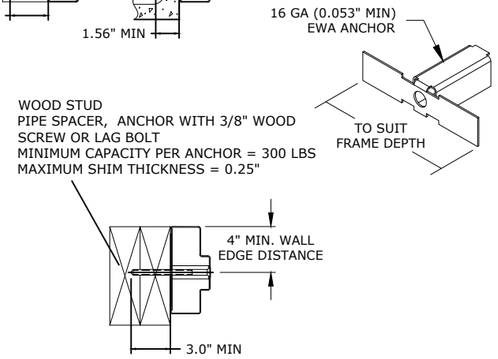


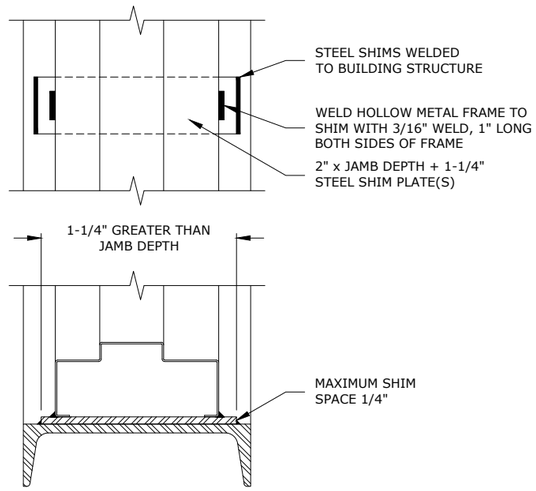












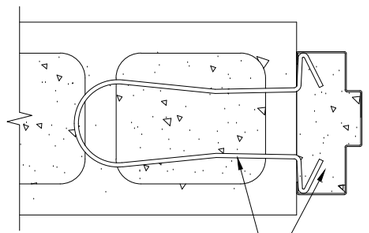
16 GA. MIN. - 1/4" MAX. THICK A-36 STEEL SHIMS CENTERED UNDER FRAME. WELD SHIMS TO STRUCTURAL BUILDING MEMBER WITH FILLET WELDS MEASURING 2" LONG USING E6018 ELECTRODES. FILLET WELD SIZE SAME AS SHIM THICKNESS FOR 0.053" TO 0.125" SHIM THICKNESS. FILLET WELD SIZE 1/8" FOR >0.125" TO 1/4" SHIM THICKNESS.

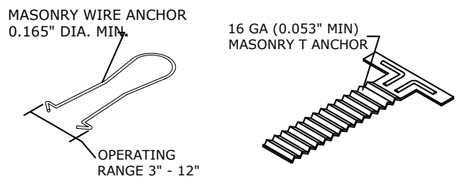
Jamb Anchor Requirements

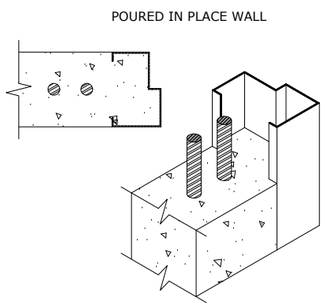
Anchor Type	Door Opening Width	Opening Height	Anchor Quantity	Maximum Spacing
Steel Stud or Wood Stud Wall Anchors	4'0" maximum	7'0" maximum	6	12"
	3'6" maximum	7'6" maximum	7	12"
	Over 3'6"'; 4'0" maximum	over 7'6"; 8'0" maximum	8	12"
Masonry Anchors with $\frac{3}{8}$" Expansion Shell Anchor Bolt	4'0" maximum	7'6" maximum	4	24"
	4'0" maximum	over 7'6"' 8'0" maximum	5	24"
Masonry "T" or Wire Anchors	4'0" maximum	8'0" maximum	5	24"
Welded to Building Structure	4'0" maximum	8'0" maximum	4	24"

Head and Sill Anchor Requirements

Anchor Type	Anchor Quantity	Location
Steel Stud or Wood Stud Wall Anchors	8	four located at 9", 12", 15", and 18" from each side of head centerline
Masonry Anchors with $\frac{3}{8}$" Expansion Shell Anchor Bolt	4	two located at 9" and 12" from each side of head centerline
Welded to Building Structure	2	one each located 9" from head centerline







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FBC SIXTH EDITION (2017) FLORIDA PRODUCT APPROVAL 32087.1

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SHEET: 4 OF 6

CURRIES FLUSH PAIRS OF DOORS

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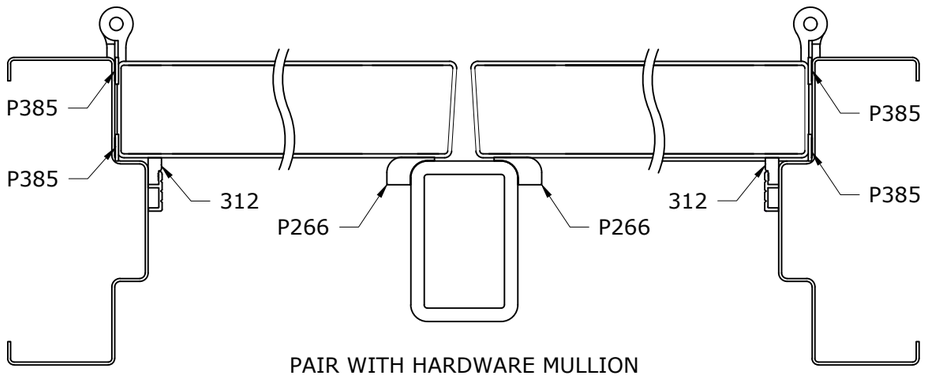
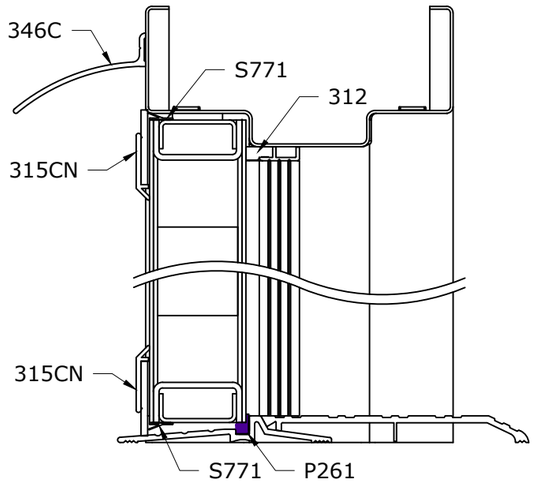
PRODUCT MEETS REQUIREMENTS OF THE HIGH VELOCITY HURRICANE ZONE.

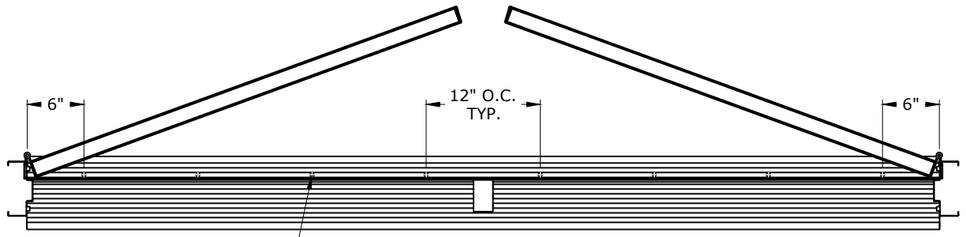
PEMKO WEATHERSTRIP USED ON CECO DOORS AND FRAMES WHERE WATER INFILTRATION IS REQUIRED.



PAIR WITH HARDWARE MULLION



PAIR WITH HARDWARE MULLION



#10 x 1-1/2" WOOD SCREW
OR $\frac{3}{16}$" X 1-1/4" ITW Tapcon® Anchor

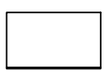
TYPICAL THRESHOLD MOUNTING DETAIL


PEMKO
315CN


PEMKO
312


PEMKO
P242


PEMKO
P261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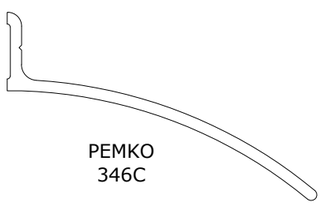
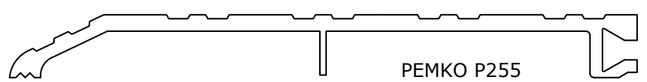
PEMKO
P385


PEMKO
S771


PEMKO
S44


PEMKO
346C


PEMKO 2008


PEMKO P255

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GENERAL NOTES

1. THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE SIXTH EDITION (2020), FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE, PER TAS 201 / 202 / 203 STANDARDS. LARGE MISSILE IMPACT IS QUALIFIED FOR MISSILE LEVEL E.
2. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM.
3. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED PER SEPARATE ENGINEERING IN ACCORDANCE WITH THE GOVERNING CODE. DESIGN PRESSURE REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASCE 7-16 AND OF THE FLORIDA BUILDING CODE SHALL BE LESS THAN OR EQUAL TO THE POSITIVE OR NEGATIVE DESIGN PRESSURE CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN.
4. DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
5. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
6. THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS IS OUTSIDE THE SCOPE OF THIS CERTIFICATION AND SHALL BE VERIFIED BY OTHERS. OPTIONAL WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
7. ALL ALUMINUM SHALL BE 6063-T6 ALLOY AND TEMPER UNLESS OTHERWISE NOTED.
8. ALL COLD ROLLED STEEL SHALL BE A568/A568M AND ALL STAINLESS STEEL SHALL BE ASTM A480/A480M, UNLESS OTHERWISE NOTED.
9. HARDWARE SHALL BE INSTALLED PER MANUFACTURERS' INSTRUCTIONS.
10. ALL BOLTS AND WASHERS (EXCLUDING INSTALLATION ANCHORS) SHALL BE ZINC COATED STEEL, GALVANIZED STEEL, OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 60 KSI, U.O.N.
11. PLASTIC COMPONENTS USED WITHIN THE HVHZ MUST MEET ALL APPLICABLE FIRE/SMOKE/UV PERFORMANCE REQUIREMENTS AS SET FORTH IN THE ABOVE-NOTED BUILDING CODE AND SHALL BE SUBMITTED TO THE AUTHORITY HAVING JURISDICTION FOR REVIEW AS REQUIRED.
12. ALL DISSIMILAR MATERIALS SHALL BE PAINTED, PLATED, OR OTHERWISE PROTECTED FROM CORROSION. ALL WOOD SHALL BE PROTECTED FROM EXPOSURE AND FROM CONTACT WITH DISSIMLAR MATERIALS.
13. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATION ARE INTENDED.
14. ALTERATIONS, ADDITIONS, HIGHLIGHTING, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
15. PRODUCT SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER SYSTEM CONTAINING ONE OF THE FOLLOWING:

DOOR:

UL CLASSIFIED LOGO

UL ASSIGNED FILE NUMBER (R38809)

COMPLIMENTARY CLASSIFICATION (EXTERIOR SWINGING DOOR)

IMPACT RATING

DESIGN LOAD RATING

CLASSIFIED IN ACCORDANCE WITH ASTM E330/E330M, ASTM E1886, ASTM E1996, TAS-201, TAS-202, TAS-203

FRAME:

UL CLASSIFIED LOGO

UL ASSIGNED FILE NUMBER (R38809)

COMPLIMENTARY CLASSIFICATION (DOOR FRAME)

IMPACT RATING

DESIGN LOAD RATING

CLASSIFIED IN ACCORDANCE WITH ASTM E330/E330M, ASTM E1886, ASTM E1996, TAS-201, TAS-202, TAS-203

ADDITIONAL FRAME INFORMATION

1. BUILDING WALLS MUST BE DESIGNED TO SUPPORT AND SUSTAIN LOADS DEVELOPED BY THE DOOR AND FRAME ASSEMBLY AND TRANSFER LOADS TO THE BUILDING STRUCTURE.
2. ROUGH OPENING MATERIAL, BY OTHERS, MUST BE INSTALLED PROPERLY TO TRANSFER LOADS TO THE BUILDING STRUCTURE.
3. ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
4. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
5. WOOD DENSITY, G = 0.55.
6. ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN IN THE TABLE FOR EACH GROUP OF PRODUCTS.
7. SUBSTITUTION OF COMPONENTS MUST BE IN COMPLIANCE WITH THE CURRENT FLORIDA BUILDING CODE.
8. IT IS RECOMMENDED THAT THE GAUGE OF THE FRAME BE EQUAL TO OR GREATER THAN THAT OF THE DOOR.

ADDITIONAL WEATHERSTRIPPING INFORMATION

WHERE WATER INFILTRATION IS NOT REQUIRED, THE FOLLOWING PEMKO WEATHERSTRIP MAY BE USED.

PERIMETER SEALS: (SCREW APPLIED SEALS TO BE MOUNTED TO THREAT SIDE OF ASSEMBLY ONLY)

18041NB, 18061NB, 18062NB, 18100NB, 18137NB, 18175NB, 18250NB, 18400NB, 18950NB, 283200NB, 285PK, 285R, 2891PK, 2891S, 2891V, 2892V, 2893V, 2902V, 2903V, 290PK, 290S, 290V, 293100NB, 29310NB, 29310P, 29310PK, 29310S, 29310V, 29313PK, 29324NB, 29326NB, 29344NB, 29346NB, 29366NB, 294V, 296PK, 296R, 296S, 297PK, 297S, 297V, 303PK, 303S, 303V, 305R, 305S, 306Q, 306V, 309P, 312R, 315BR, 315CN, 315SSR, 316PK, 316S, 316V, 319N, 319R, 319S, 321N, 322N, 322PK, 322SN, 322SPK, 329N, 330ES, 330V, 332R, 332S, 332SSR, 3452NB, 345NB, 35041NB, 35061NB, 350PK, 350R, 350SPK, 350SR, 368N, 375R, 379PK, 379R, 379S, 45041NB, 45061NB, 45062NB, 45100NB, 45137NB, 45175NB, 45250NB, 45400NB, 5041NB, 5061NB, 90062NB, 90100NB, 90137NB, AM44, AM88, P242, P261, P266, P381, P385 PF114, PK33, PK52, PK55, Q102, Q103, Q106, Q107, Q108, S104, S105, S109, S44, S442, S52, S77, S771x6, S773, S776, S88, S99

ASTRAGAL/MEETING STILES: 18041NB, 18061NB, 18062NB, 293100V, 29310P, 29310S, 29310V, 293113PK, 293224NB, 29326NB, 297PK, 297S, 297V, 303PK, 303S, 303V, 305N, 316PK, 316S, 316V, 332N, 351N, 351P, 351PK, 351S, 351V, 352, 355PK, 355S, 357, 3572, 3692PK, 369P, 369PK, 369S, 369V, 5041NB, 5061NB, S771, S772

THRESHOLDS:

2005, 2008, 2705_T, 2715, 2716, P255

CURRIES
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Mason City, Iowa 50401

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REV	DESCRIPTION	DRWN	CHKD	DATE
-	ORIGINAL ISSUE	Rattay	Rattay	03/20/20
A	Revise to reflect ASCE 7-16, Florida Building Code (2020)	Rattay	Rattay	11/24/20

SCALE: NTS UNLESS NOTED

DWG #: RD1231