REGIONS.

OUTSWING DOORS ARE FULLY TESTED FOR WATER INFILTRATION RESISTANCE WITH BOTH LOW-THRESHOLD SILL AND WITH SILL RISER. INSWING DOORS WITH LOW THRESHOLDS HAVE NOT BEEN TESTED FOR WATER INFILTRATION RESISTANCE THEREFORE THESE DOORS MUST BE INSTALLED UNDER AN OVERHANG WITH A HORIZONTAL LENGTH FROM THE WALL WHICH IS EQUAL TO OR GREATER THAN THE HEIGHT OF THE OVERHANG ABOVE THE BOTTOM OF THE DOOR (A 1:1 OVERHANG PER FBC 1709.5.1 EXCEPTION 2). INSWING DOORS WITH SILL RISERS HAVE BEEN TESTED FOR LIMITED WATER RESISTANCE, WITH FULL WATER SPRAY VOLUME PER ASTM E 331 BUT WITH ZERO PRESSURÈ DIFFERENTIAL, SO THESE DOORS MAY BE INSTALLED AS ALLOWED BY THE AUTHORITY HAVING JURISDICTION WHERE THE LIMITED WATER TESTING IS DEEMED TO COMPLY, OR WITH A 1:1 OVERHANG AS DESCRIBED ABOVE FOR ANY LOCATION.

3. ALLOWABLE CONFIGURATIONS: SINGLE OR DOUBLE-LEAF SWING DOORS, OR FOLDING DOORS WITH ANY NUMBER OF LEAVES. CONFIGURATIONS MAY BE STRAIGHT DOORS IN INSWING OR OUTSWING OPERATION, OR OUTSIDE 90 DEGREE CORNER DOORS IN OUTSWING OPERATION. STRAIGHT DOORS MAY BE IN ANY CONFIGURATION THAT CAN BE PRODUCED USING ONE LOCKING LOCATION (AT JAMB OR AT LOCKING MEETING STILES) PER DOOR. CORNER DOORS ARE ALL SECONDARY PANELS ON ONE SIDE OF THE CORNER MULLION AND ON THE OTHER SIDE THE JAMB LOCKS TO THE CORNER MULLION. STRAIGHT DOORS ALSO AVAILABLE IN 72" MAX. PANEL HEIGHT PASS-THRU CONFIGURATION USING PASS-THRU HARDWARE AS INDICATED IN TEST REPORT K3261.01-450-44-ro.

4. THE DESIGN PRESSURE RATINGS AS SHOWN ON THIS SHEET, ARE AS LIMITED BY ASTM E-1300 GLASS TABLES, AND TESTED WATER, STRUCTURAL, AND CYCLIC PRESSURES.

5. THE 4/3 ALLOWABLE STRESS INCREASE FACTOR (SHORT-TERM INCREASE FACTOR) HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF ANCHORAGE INTO WOOD SUBSTRATE.

6. INSTALLATION OF 1X OR 2X WOOD BUCKS TO THE SUBSTRATE TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (A.H.J.). BUCKING, OPENINGS, & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED BY OTHERS IN ACCORDANCE WITH THE FBC TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. ADEQUACY OF THE STRUCTURE TO RECEIVE THESE LOADS SHALL BE VERIFIED BY THE CONTRACTOR OR A.H.J.

7. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED PER FBC CHAPTER 20 TO PREVENT GALVANIC REACTIONS. WOOD BUCKS, IF USED, SHALL BE PRESSURE TREATED, WITH **MATERIALS**

8. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, OR AS APPROVED, SIGNED, AND SEALED BY A FLORIDA-REGISTERED PROFESSIONAL ENGINEER ON A SITE-SPECIFIC BASIS. 9. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS AND IS NOT ADDRESSED BY THIS DOCUMENT.

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REVISION 1/6/2018: A: 2017 UPDATE

REVISION 10/16/2020: B: 2020 UPDATE

DRAWING # FPA-EASIFOLD.

LM-NON-HVHZ

LUCAS A. TURNER, P.E. SHEET DESCRIPTION FL PE # 58201 NOTES, TURNER ENGINEERING & **ELEVATION** CONSULTING, INC

(COA # 29779)2428 OLD NATCHEZ TRC. TRL. CAMDEN, TN 38320 PH. 941-380-1574

10/16/2020

SHEET 1 of 5

EASIFOLD

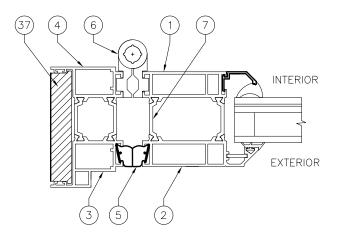
B: 2020 UPDATE

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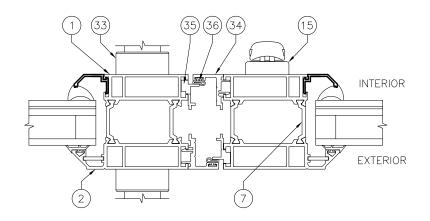
FPA-EASIFOLD: LM-NON-HVHZ

SHEET DESCRIPTION HORIZONTAL SECT. DETAILS

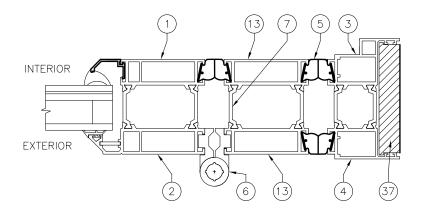
> SHEET 2 of 5



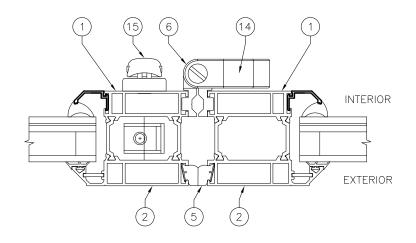
DETAIL H1. OPEN-IN HINGE JAMB, REVERSE HINGES (6) AND JAMB (3&4) FOR OPEN-OUT



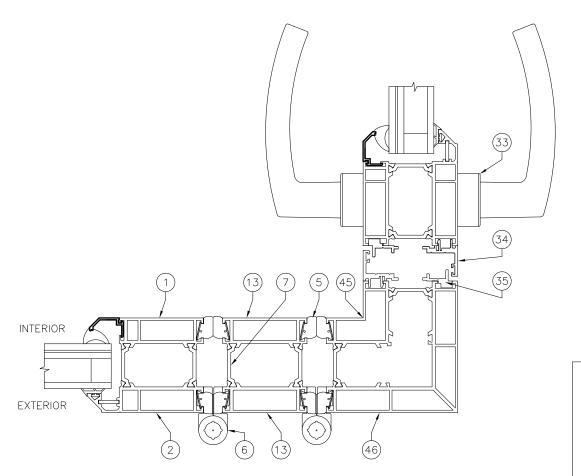
DETAIL H3. OPEN-OUT LOCKING MEETING STILES, REVERSE PARTS 34 AND 35 FOR OPEN-IN



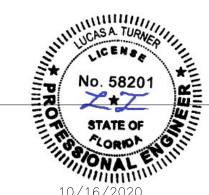
DETAIL H4. OPEN-OUT MULLION, REVERSE HINGES (6) AND JAMB (3&4) FOR OPEN-IN



DETAIL H2. OPEN-OUT STILES, REVERSE HINGES FOR OPEN-IN



DETAIL H5. OPEN-OUT OUTSIDE 90-DEG. CORNER MULLION



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FPA-EASIFOLD: LM-NON-HVHZ

SHEET DESCRIPTION VERTICAL DET.

FL PE # 58201

TURNER ENGINEERING &

CONSULTING, INC.

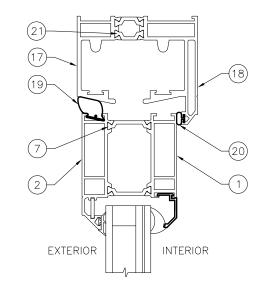
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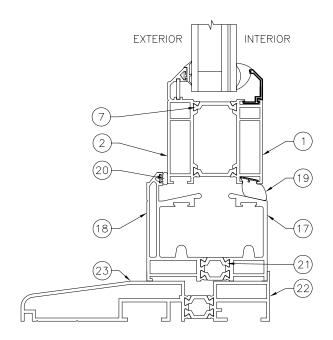
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TYP. GLAZING

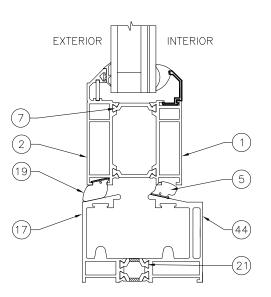
SHEET 3 of 5



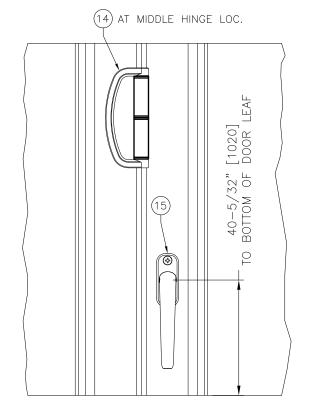
DETAIL V1. OPEN-OUT TOP TRACK, REVERSE TRACKS (17 AND 18) FOR OPEN-IN



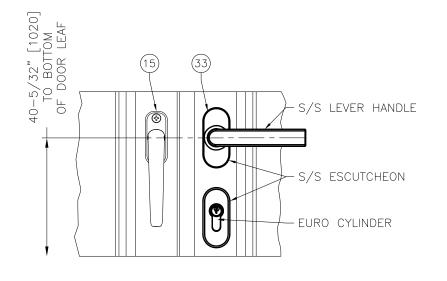
DETAIL V2A. OPEN-IN BOTTOM TRACK, REVERSE TRACKS (17 AND 18) FOR OPEN-OUT



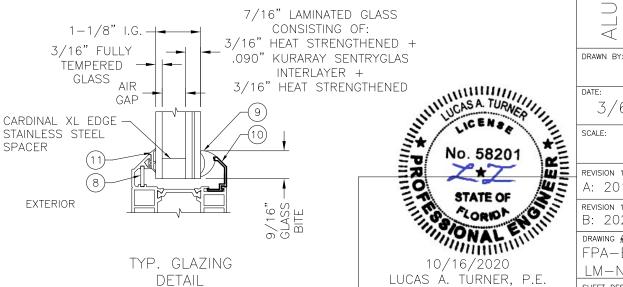
DETAIL V2B. OPEN-OUT LOW THRESHOLD BOTTOM TRACK, REVERSE TRACKS (17 AND 18) FOR OPEN-OUT



DETAIL D1. SECONDARY AND D-HANDLE (VIEW FROM INTERIOR)



DETAIL D2. HANDLE AND LOCK (VIEW FROM INTERIOR)



DETAIL

1. AT TOP AND BOTTOM TRACKS INSTALL TWO ANCHORS PER LOCATION AND AT JAMBS INSTALL ONE ANCHOR PER LOCATION, WITH LOCATIONS SHOWN IN THE ELEVATIONS ON SHEET 1 FOR PRODUCT PERIMETER. USE ANCHORS APPROPRIATE FOR SUBSTRATE TYPE (SEE TABLE 1).
2. INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE.

3. SHIMS SHALL BE LOAD—BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.

4. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO.

5. FOR INSTALLATION TO METAL SUBSTRATES, ANCHORS SHALL BE LONG ENOUGH TO BE FULLY THREADED THROUGH THE METAL THICKNESS WITH AN ADDITIONAL

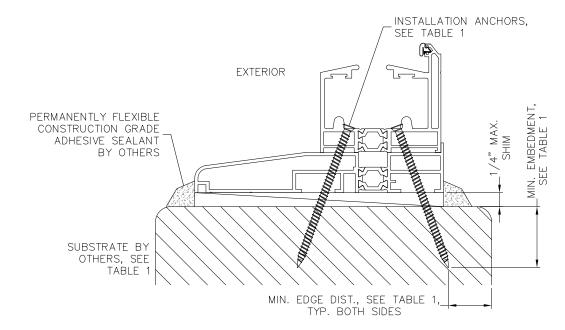
1/4" MIN. OF THREADS BEYOND.
6. A MINIMUM CENTER-TO-CENTER SPACING OF 3"
SHALL BE MAINTAINED BETWEEN ALL CONCRETE OR CMU
ANCHORS IN ANY DIRECTION. CONCRETE/MASONRY

SUBSTRATES SHALL NOT BE CRACKED.

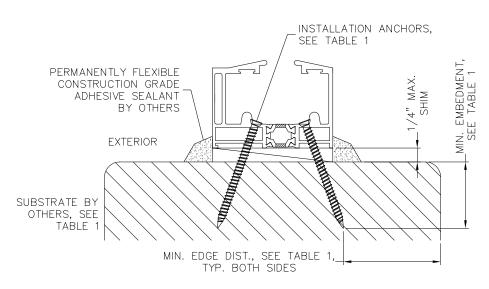
SUBSTRATE BY

OTHERS, SEE

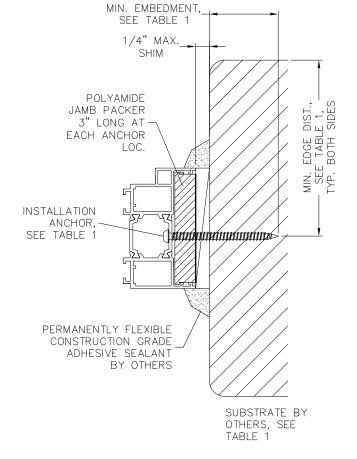
TABLE



TYPICAL INSTALLATION STANDARD BOTTOM TRACK



TYPICAL INSTALLATION LOW THRESHOLD BOTTOM TRACK



TYPICAL INSTALLATION JAMB

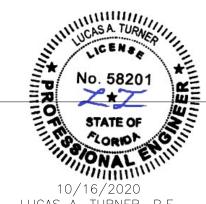
PERMANENTLY FLEXIBLE CONSTRUCTION GRADE ADHESIVE SEALANT BY OTHERS INSTALLATION ANCHORS, SEE TABLE 1

MIN. EDGE DIST., SEE TABLE 1,_ TYP. BOTH SIDES

TYPICAL INSTALLATION TOP TRACK

TARLE 1 OLIALIFIED ANCHOR INFORMATION

TABLE 1. QUALIFIED ANCHOR INFORMATION							
LOCATION /	SUBSTRATE	ANCHOR		MIN. EDGE			
HEAD TYPE			EMBEDMENT	DISTANCE			
HEAD OR SILL: FLAT HEAD	SOLID CONCRETE (2850 PSI MIN)	1/4" ELCO COATED CARBON STEEL ULTRACON	1 3/4"	2 1/2"			
	SOLID CONCRETE (2220 PSI MIN)	1/4" ELCO AGGRE-GATOR 300 SS	1 3/4"	1 1/2"			
	GROUT-FILLED CMU (ASTM C-90)	1/4" ELCO AGGRE-GATOR 300 SS	2"	2"			
	SOLID CONCRETE (3000 PSI MIN)	1/4" HILTI COATED CARBON STEEL OR STAINLESS STEEL KWIK-CON II	1"	2 1/2"			
	2x MIN. SOUTHERN PINE WOOD (G=0.55 MIN)	#14 GRADE 5 WOOD SCREW	1 3/8"	1"			
	1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 33 KSI YIELD MIN.		FULL THREAD				
		1/4" GRADE 5 SELF-TAPPING / DRILLING SCREW	THRU 1/8"	5/8"			
			WALL				
JAMB ONLY: PAN OR HEX HEAD	HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	1/4" ELCO AGGRE-GATOR 300 SS	1 1/4"	2"			
		1/4" HILTI COATED CARBON STEEL OR STAINLESS STEEL KWIK-CON II	1"	2 1/2"			
		1/4" ELCO CRETE-FLEX SS4	1 1/4"	2 1/2"			



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ORIGIN USA INC. 573 PAUL MORRIS DR. ENGLEWOOD, FL 34223 Phone: 941-484-4861

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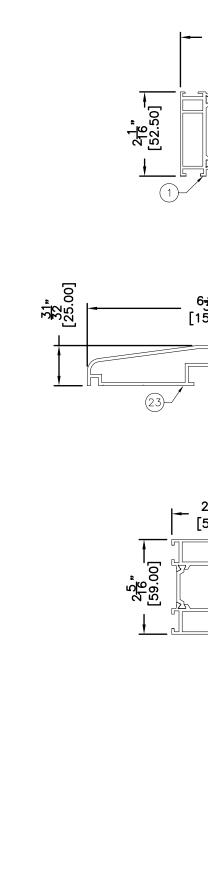
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B: 2020 UPDATE
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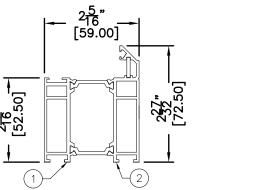
FPA—EASIFOLD— LM—NON—HVHZ SHEET DESCRIPTION

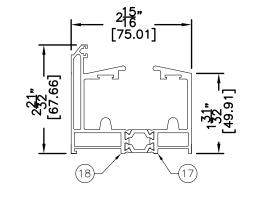
ANCHORS, INSTALL DETAILS

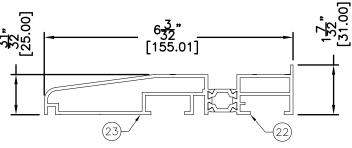
> SHEET 4 of 5

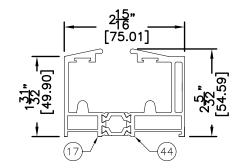
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BOM NO.	PART NO.	SUPPLIER	DESCRIPTION	REMARKS
1	OF42	Cortizo/Vertikal	Hinge stile bottom rail	Powder Coated Aluminum
2	OF41	Cortizo/Vertikal	Hinge stile to rail	Powder Coated Aluminum
3	OF43	Cortizo/Vertikal	Jamb	Powder Coated Aluminum
4	OF44	Cortizo/Vertikal	Jamb	Powder Coated Aluminum
5	QL 9135	Schlegel	Hinge Gasket	Q-Lon
6	OR1001/0R1006	PMS Die Casting	Hinge	Zinc ZL2
7	STM0064C	Cortizo/Vertikal	Polyamide strip 27mm	Polyamide
8	ORI-CHEVRON	Montrose	Pressed chevron	Aluminium
9	474	Plastech	Glazing Gasket	Polypropylene
10	OF22	Cortizo/Vertikal	28mm Bead	Powder Coated Aluminum
11	3434	Plastech	E-gasket	Polypropylene
12	Glazing		See Typ. Glazing Sht. 3	
13	OF47	Cortizo/Vertikal	Mullion	Powder Coated Aluminum
14		PMS Die Casting	D-Handle	Zinc ZL2
15		PMS Die Casting	Secondary handle	Zinc ZL2
16		PMS Die Casting	Gearbox	Zinc ZL2
17	OF49	Cortizo/Vertikal	Track	Powder Coated Aluminum
18	OF48	Cortizo/Vertikal	Track	Powder Coated Aluminum
19	QL9141	Schlegel	Top Gasket	Q-Lon
20	QL 9257	Schlesel	Track gasket	Q- Lon
21	COR3219	Cortizo/Vertikal	Polyamide strip 18mm	Polyamide
22	OF24	Cortizo/Vertikal	155 Sill	Powder Coated Aluminum
23	OF25	Cortizo/Vertikal	155 Sill	Powder Coated Aluminum
24		PMS Die Casting	Top Carrier Bar	Zinc ZL2
25		PMS Die Casting	Top and Bottom Fork	Zinc ZL2
26	OFLBO1/OFSB01	Plasticom	Hinge Bushes	Acetal
27		Cortizo/Vertikal	Door Leaf	Aluminium/Polyamide
28		Plasticom	Top Roller	Acetal
29		Montrose	Grub Screw	Hardened Steel
30		PMS Die Casting	Bogie	Zinc ZL2
31		Plasticom	Bogie Wheel	Acetal
32		Montrose	Bogie adjustment screw	Hardened Steel
33	253/280	Hafi	Hafi Handle	Stainless Steel
34	OF46	Cortizo/Vertikal	Rebate	Aluminium
35	OF45	Cortizo/Vertikal	Slamb	Aluminium
36	QL4.2 *2.7	Schlegel	Rebate Gasket	Q-Lon
37		Origin	Jamb Packer	Acetal
40	JTTC-01	J Banks	Jamb to Track connector	Black Nylon 6
41		Plasticom	Shootbolt End	Acetal
42		Plasticom	Shootbolt Guide	Acetal
43		Montrose	Threaded Rod	Steel
44	OF50	Cortizo/Vertikal	Low Threshold Track	Powder Coated Aluminum
45	OF29	Cortizo/Vertikal	Corner Mull Inner	Powder Coated Aluminum
46	OF30	Cortizo/Vertikal	Corner Mull Outer	Powder Coated Aluminum

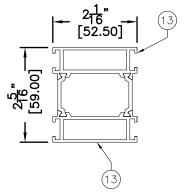


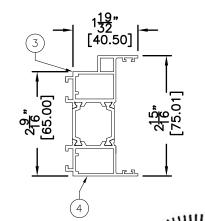


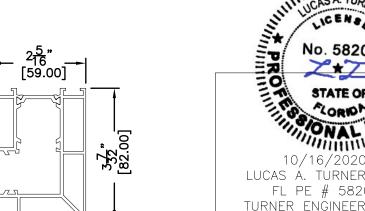












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3000 D00R MISSILE IMPACT EASIFOLD /SWINGING ALUMINUM FOLDING, LARGE

DRAWN BY: LAT

DATE: 3/6/2017

SCALE: NTS

REVISION 1/6/2018: A: 2017 UPDATE

REVISION 10/16/2020: B: 2020 UPDATE

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SHEET DESCRIPTION BILL OF MATERIALS

> SHEET 5 of 5