



"A-276", "A-117", "IXO" & "H-497" SERIES
ALUMINUM EXTRUDED THRESHOLDS
in a SINGLE (X) or DOUBLE (XX) DOOR
INSWING / OUTSWING
"IMPACT"

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone".
2. When used in areas requiring wind borne debris protection this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
3. These "IMPACT" thresholds, as components, are to be used as substitutes to a similar threshold, in an impact approved (complies with FBC Sections 1609.1.2 & R301.2.1.2) door system possessing a current Florida Statewide Product Approval.
4. The design pressure of the assembly shall be the lesser of the design pressure for the thresholds shown in this approval or the design pressure of the door assembly used in conjunction with this approval.
5. The maximum width of the threshold shall be the lesser of the width shown in this approval or the width shown in the door approval used in conjunction with this approval.
6. The maximum height of the door assembly shall be the lesser of the maximum height stated in this approval or the maximum height of the door assembly approval used in conjunction with this approval.
7. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	"A-276" & "IXO" Series Inswing Threshold details
3	"A-117" & "IXO" Series Outswing Threshold details
4	"H-497" Series Outswing Threshold details

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

"A-276" SERIES

MAXIMUM FRAME SIZE		DESIGN PRESSURE RATING (PSF)	
		POSITIVE	NEGATIVE
6'-8" DOOR	37.5" x 82.0" (X)	+50.0	-55.0
	74.5" x 82.0" (XX)		
8'-0" DOOR	37.5" x 98.0" (X)	+35.0	-40.0
	74.5" x 98.0" (XX)		

"IXO" SERIES

MAXIMUM FRAME SIZE		DESIGN PRESSURE RATING (PSF)	
		POSITIVE	NEGATIVE
6'-8" DOOR	37.5" x 82.0" (X)	+55.0	-60.0
	74.5" x 82.0" (XX)		
8'-0" DOOR	37.5" x 98.0" (X)	+45.0	-50.0
	74.5" x 98.0" (XX)		

"IXO" SERIES

MAXIMUM FRAME SIZE		DESIGN PRESSURE RATING (PSF)	
		POSITIVE	NEGATIVE
6'-8" DOOR	37.5" x 81.5" (X)	+50.0	-50.0
	74.5" x 81.5" (XX)		
8'-0" DOOR	37.5" x 97.5" (X)	+50.0	-50.0
	74.5" x 97.5" (XX)		

"A-117" SERIES

MAXIMUM FRAME SIZE		DESIGN PRESSURE RATING (PSF)	
		POSITIVE	NEGATIVE
6'-8" DOOR	37.5" x 81.5" (X)	+35.0	-40.0
	74.5" x 81.5" (XX)		
8'-0" DOOR	37.5" x 97.5" (X)	+35.0	-40.0
	74.5" x 97.5" (XX)		

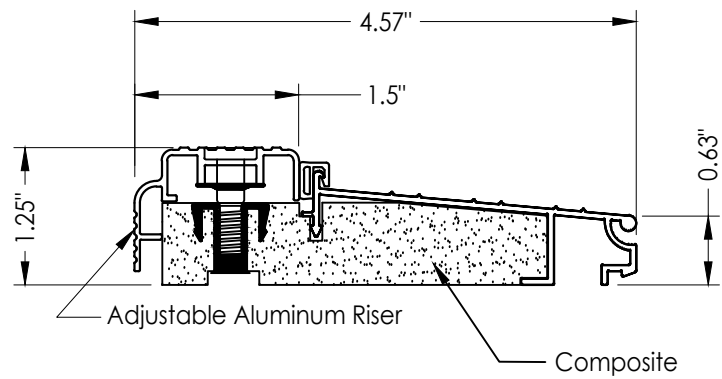
"H-497" SERIES

MAXIMUM FRAME SIZE		DESIGN PRESSURE RATING (PSF)	
		POSITIVE	NEGATIVE
6'-8" DOOR	37.5" x 81.5" (X)	+60.0	-60.0
	74.5" x 81.5" (XX)		
8'-0" DOOR	37.5" x 97.5" (X)	+55.0	-55.0
	74.5" x 97.5" (XX)		

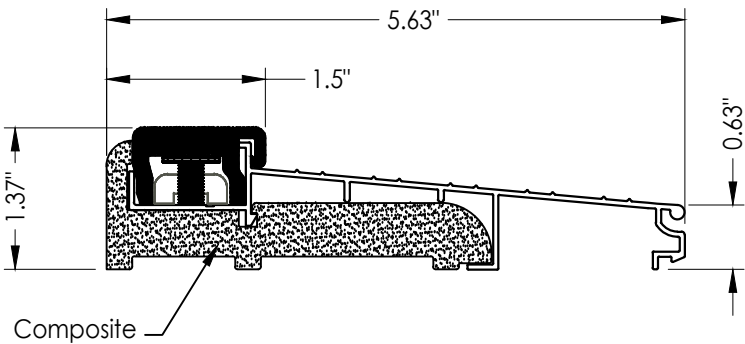
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: _____		AFCO		PART OR ASSEMBLY: _____		TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES	
3	8/09/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
2	6/09/21	ADD IXO OUTSWING THRESHOLD		LFS			
1	9/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS			
NO.	DATE			BY			
				REVISIONS			
DATE: 12/15/17							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-13727.6							
SHEET 1 OF 4							

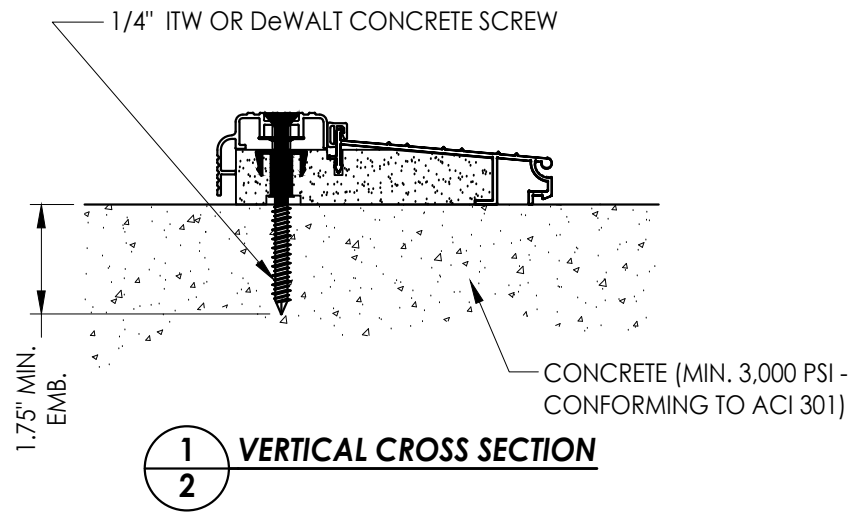
Z:\2023 FBC Drawings\AFCO\FL-13727 R9\FL-13727.6.dwg



"A-276" SERIES

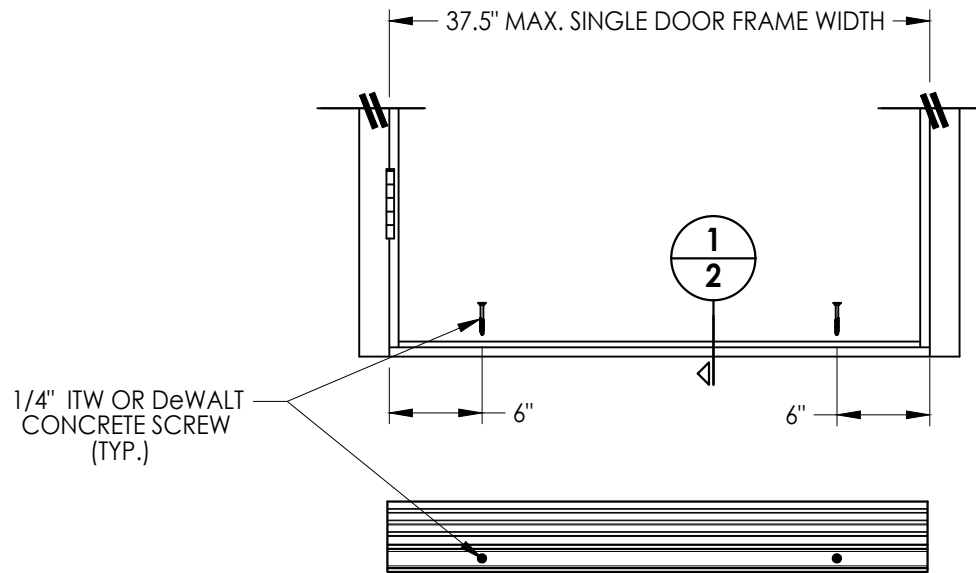


"IXO" SERIES

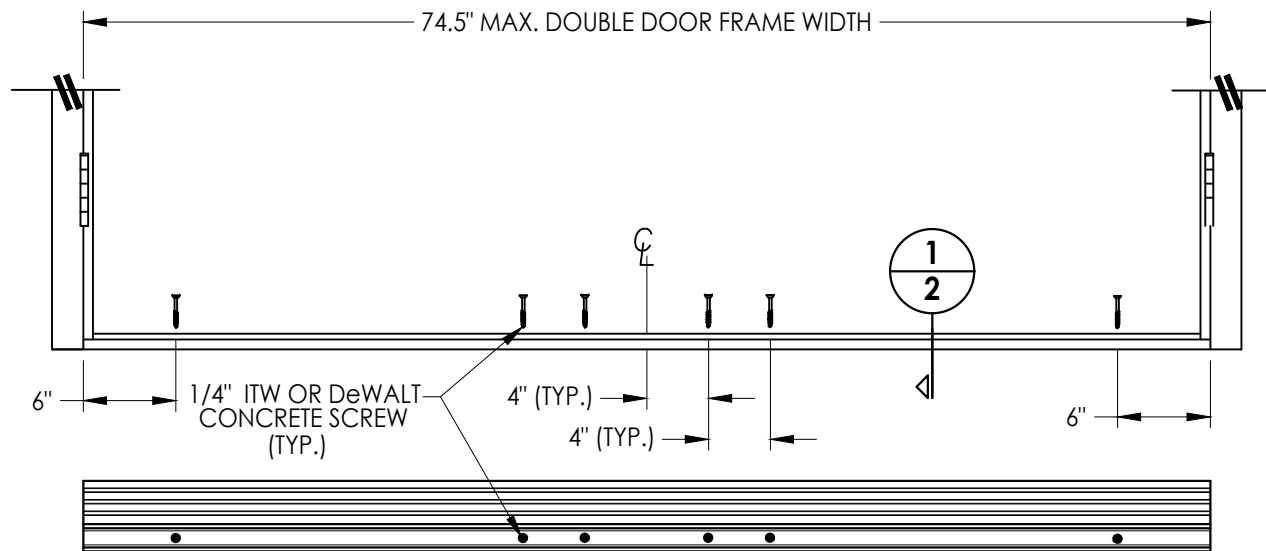


VERTICAL CROSS SECTION

NOTE:
1. REFER TO CORRESPONDING DOOR SYSTEM PRODUCT APPROVAL FOR ANY REQUIRED CONNECTIONS AT FRAME CORNERS, FOR ASTRAGAL STRIKE DETAILS OR ANY DETAILS NOT SHOWN.



TYPICAL SINGLE DOOR INSTALLATION



TYPICAL DOUBLE DOOR INSTALLATION

CONCRETE ANCHOR LIMITATIONS

3/16" ITW TAPCON®: 3" MIN. EDGE DISTANCE
1/4" ITW TAPCON®: 2" MIN. EDGE DISTANCE
1/4" DeWALT ULTRACON+®: 1" MIN. EDGE DISTANCE

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: AFCO

PART OR ASSEMBLY:
"A-276" & "IXO" SERIES
INSWING THRESHOLD DETAILS

NO.	DATE	REVISIONS
3	8/09/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	6/09/21	ADD IXO OUTSWING THRESHOLD LFS
1	9/03/20	UPDATE TO 7TH ED. (2020) FBC LFS

DATE: 12/15/17

SCALE: N.T.S.

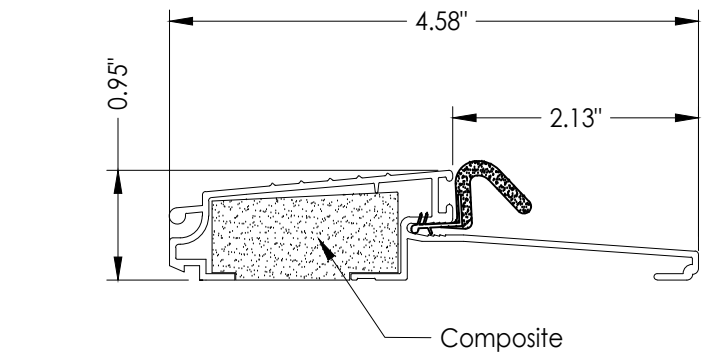
DWG. BY: JK

CHK. BY: LFS

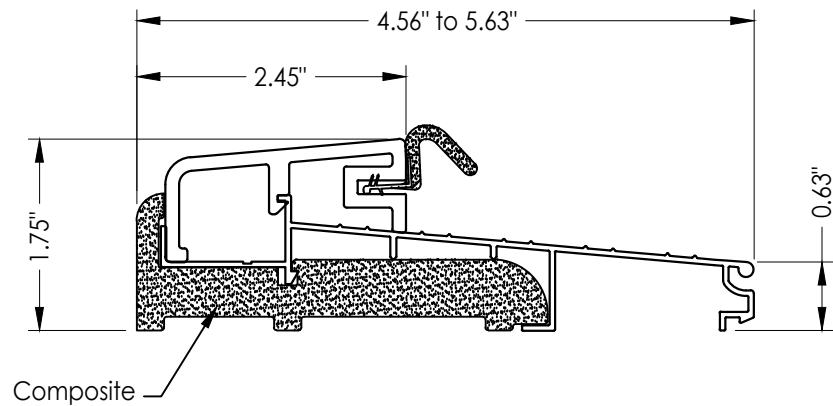
DRAWING NO.:
FL-13727.6

SHEET 2 OF 4

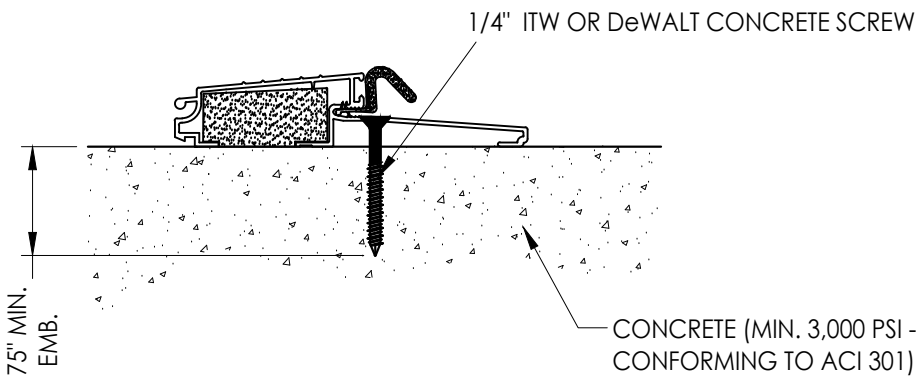
Z:\2023 FBC Drawings\AFCO\FL-13727 R9\FL-13727.6.dwg



"A-117" SERIES

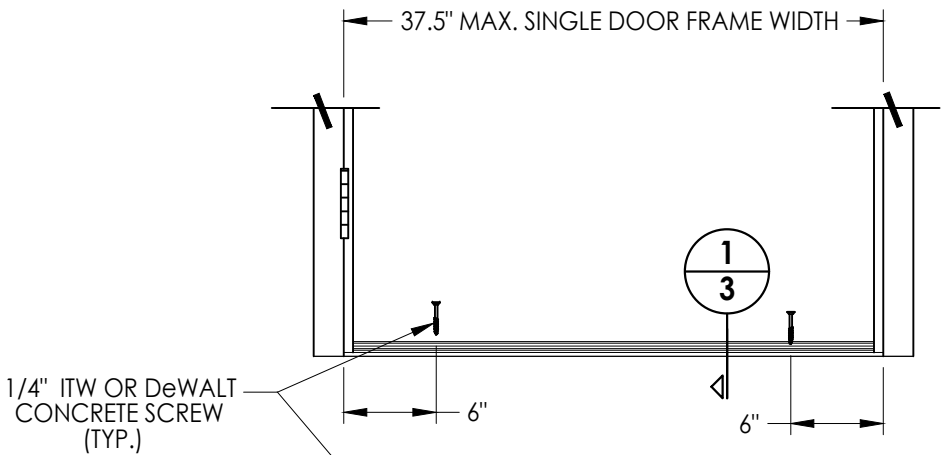


"IXO" SERIES

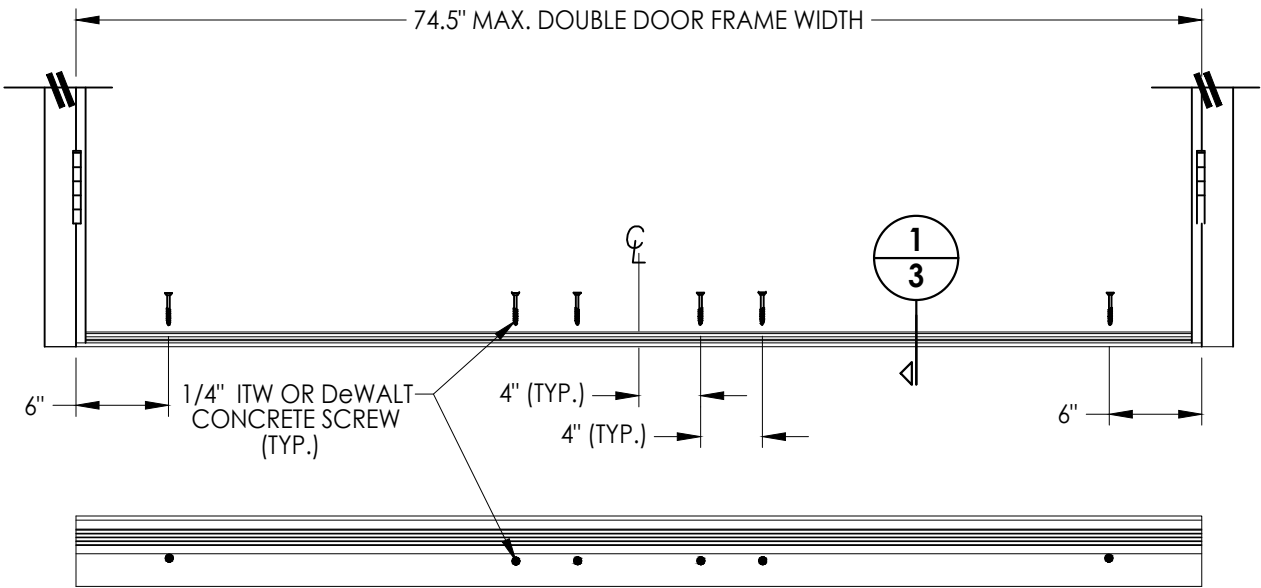


1
3 VERTICAL CROSS SECTION

NOTE:
1. REFER TO CORRESPONDING DOOR SYSTEM PRODUCT APPROVAL FOR ANY REQUIRED CONNECTIONS AT FRAME CORNERS, FOR ASTRAGAL STRIKE DETAILS OR ANY DETAILS NOT SHOWN.



TYPICAL SINGLE DOOR INSTALLATION



TYPICAL DOUBLE DOOR INSTALLATION

CONCRETE ANCHOR LIMITATIONS

1/4" ITW TAPCON®: 2" MIN. EDGE DISTANCE

1/4" DeWALT ULTRACON+®: 1" MIN. EDGE DISTANCE

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

R^W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: AFCO

PART OR ASSEMBLY:
"A-117" & "IXO" SERIES
OUTSWING THRESHOLD DETAILS

NO.	DATE	REVISIONS
3	8/09/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	6/09/21	ADD IXO OUTSWING THRESHOLD LFS
1	9/03/20	UPDATE TO 7TH ED. (2020) FBC LFS

DATE: 12/15/17

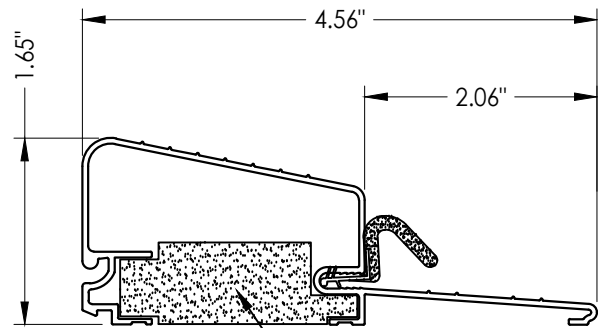
SCALE: N.T.S.

DWG. BY: JK

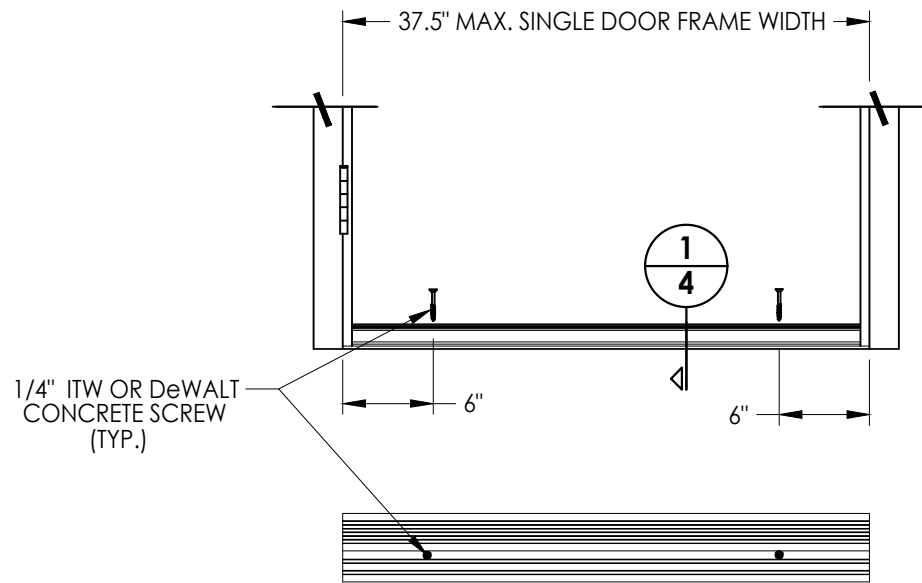
CHK. BY: LFS

DRAWING NO.:
FL-13727.6

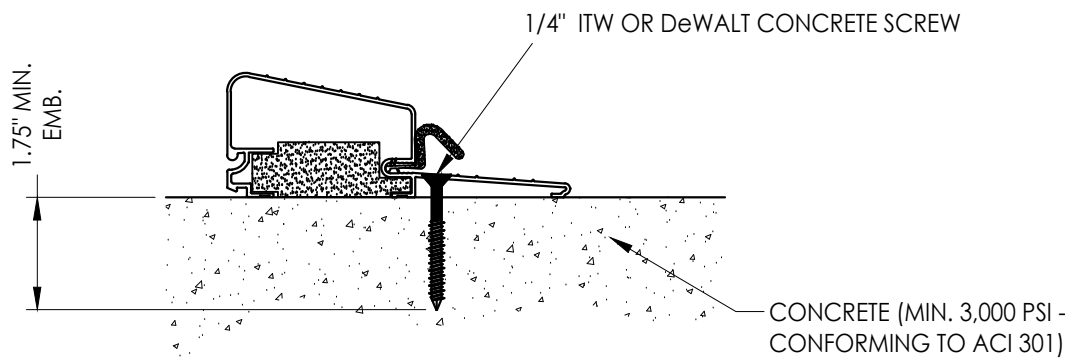
SHEET 3 OF 4



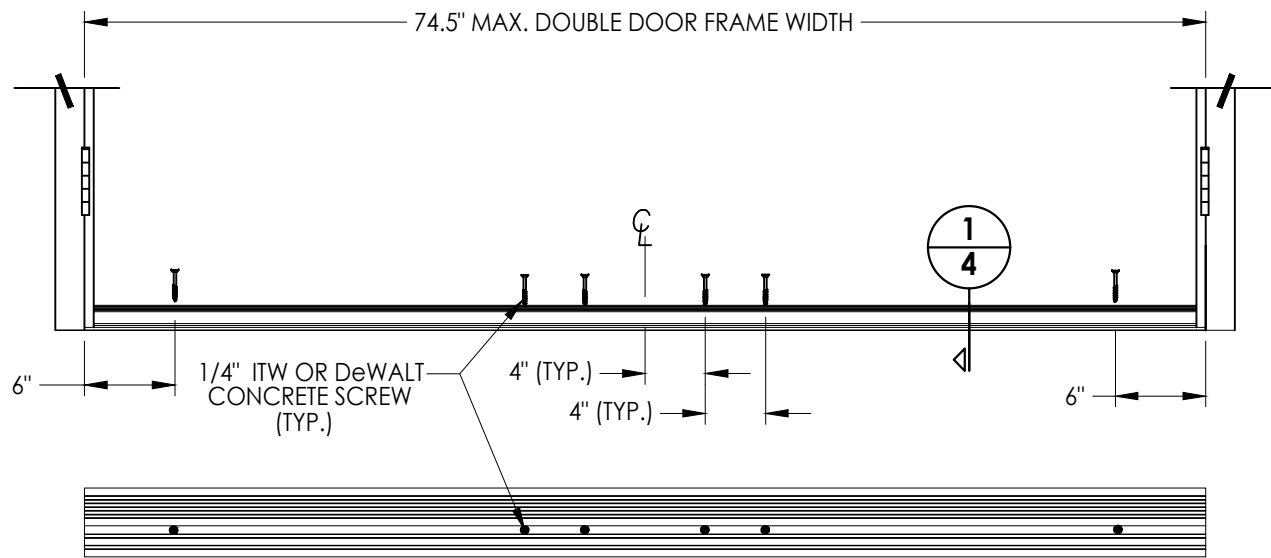
"H-497" SERIES



TYPICAL SINGLE DOOR INSTALLATION



VERTICAL CROSS SECTION



TYPICAL DOUBLE DOOR INSTALLATION

NOTE:

1. REFER TO CORRESPONDING DOOR SYSTEM PRODUCT APPROVAL FOR ANY REQUIRED CONNECTIONS AT FRAME CORNERS, FOR ASTRAGAL STRIKE DETAILS OR ANY DETAILS NOT SHOWN.

CONCRETE ANCHOR LIMITATIONS

ITW TAPCON®: 2" MIN. EDGE DISTANCE

DeWALT ULTRACON®: 1" MIN. EDGE DISTANCE

Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:

AFCO

PART OR ASSEMBLY:

"H-497" SERIES
OUTSWING THRESHOLD DETAILS

DATE: 12/15/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-13727.6

SHEET 4 OF 4

REVISIONS

© 2017 R.W. BUILDING CONSULTANTS INC.