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Product Approval Menu > Application Detail

FL22512-R1 Application Type Revision Code Version 2017 **Application Status** Approved

Comments Archived

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Category **Exterior Doors**

Subcategory Swinging Exterior Door Assemblies

Compliance Method Evaluation Report from a Florida Registered Architect or a Licensed Florida

Professional Engineer

Evaluation Report - Hardcopy Received

Florida Engineer or Architect Name who developed the Javad Ahmad

Evaluation Report

PE-70592 Florida License

Quality Assurance Entity National Accreditation and Management Institute

Quality Assurance Contract Expiration Date 12/31/2018

Validated By Jesus Gonzalez, P.E.

Validation Checklist - Hardcopy Received

FL22512 R1 COI SS-SIW 700 Contemp. OS and IS ED (LMI)-CI 2017.pdf Certificate of Independence

Referenced Standard and Year (of Standard) **Standard** <u>Year</u>

TAS 201 1994 TAS 202 1994 **TAS 203** 1994

Sections from the Code

Product Approval Method Method 1 Option D

Date Submitted 12/05/2017 Date Validated 12/27/2017 Date Pending FBC Approval 12/27/2017 Date Approved 02/13/2018

Summary of Products

FL # Model, Number or Name		Description		
22512.1	Series 700 Contemporary Aluminum Inswing Entrance Door	Large missile impact resistant aluminum inswing entrance door.		
Limits of Use Approved for use in H Approved for use outs Impact Resistant: Yes Design Pressure: +50, Other: See attached dra instructions.	side HVHZ: Yes	Installation Instructions FL22512 R1 II SS-SIW 700 Contemp. IS ED (LMI)-2017 DWG W17-51-R1.pdf Verified By: Javad Ahmad PE # 70592 Created by Independent Third Party: Yes Evaluation Reports FL22512 R1 AE SS-SIW 700 Contemp. IS ED (LMI)-PAE 2017.pdf Created by Independent Third Party: Yes		
22512.2	Series 700 Contemporary Aluminum Outswing Entrance Door	Large missile impact resistant aluminum outswing entrance door.		
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +50/-60 Other: See attached drawing W17-50 for installation instructions and span vs load combinations.		Installation Instructions FL22512 R1 II SS-SIW 700 Contemp. OS ED (LMI)-201 DWG W17-50 - R1.pdf Verified By: Javad Ahmad PE # 70592 Created by Independent Third Party: Yes Evaluation Reports FL22512 R1 AE SS-SIW 700 Contemp. OS ED (LMI)-PAI 2017.pdf Created by Independent Third Party: Yes		





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Product Approval Accepts:





THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

SERIES 700 CONTEMPORARY ALUMINUM INSWING ENTRANCE DOOR

APPROVAL APPLIES TO SINGLE(X) AND DOUBLE(XX) LEAF INSWING DOORS SEE SHEET 2 FOR DESIGN LOAD CAPACITIES.

DOORS APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2014 (5TH EDITION)/2017 (6TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

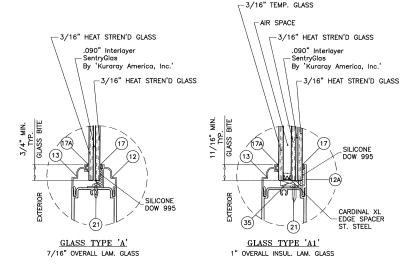
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2014/2017 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.

CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.

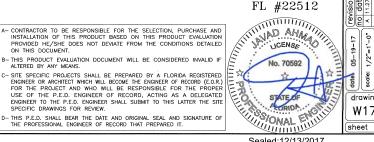


GLAZING OPTIONS

ON THIS DOCUMENT.

SPECIFIC DRAWINGS FOR REVIEW.

THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



AL-FAROOQ CORPORATION
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9360 SUNSET DRIVE, SUITE 220
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TEL (305) 264.8100
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(L.M.I.)

DOOR

ALUM INSWING

SERIES 700 CONTEMPORARY

date

1/2"=1'-0"

drawing

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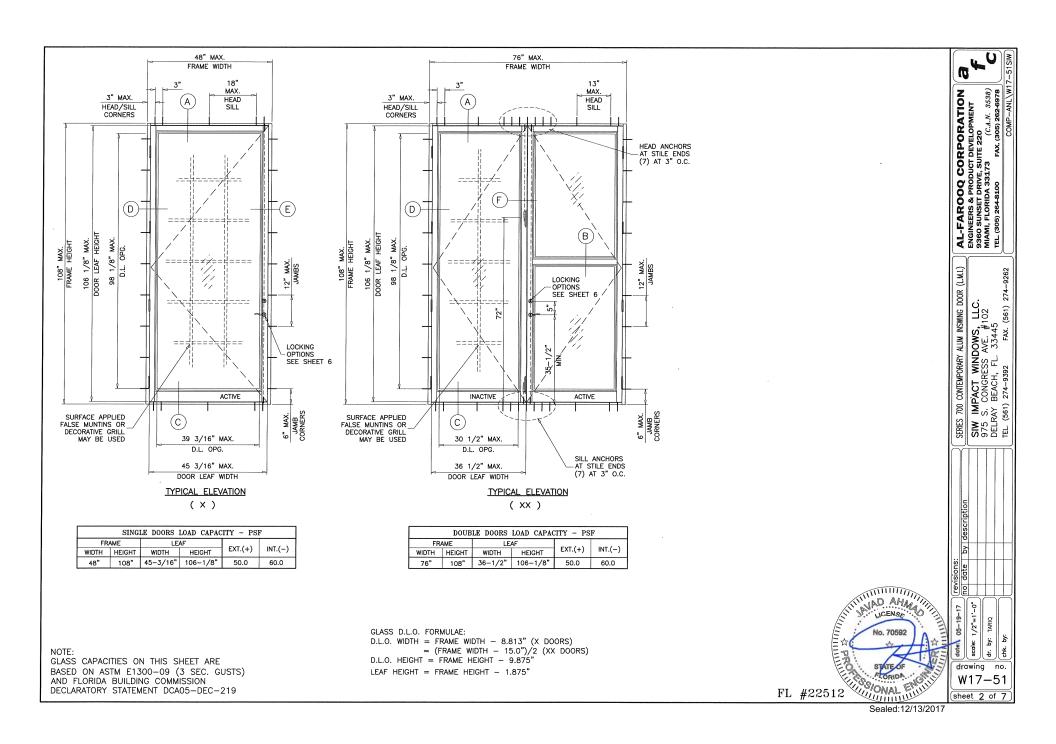
sheet 1 of 7

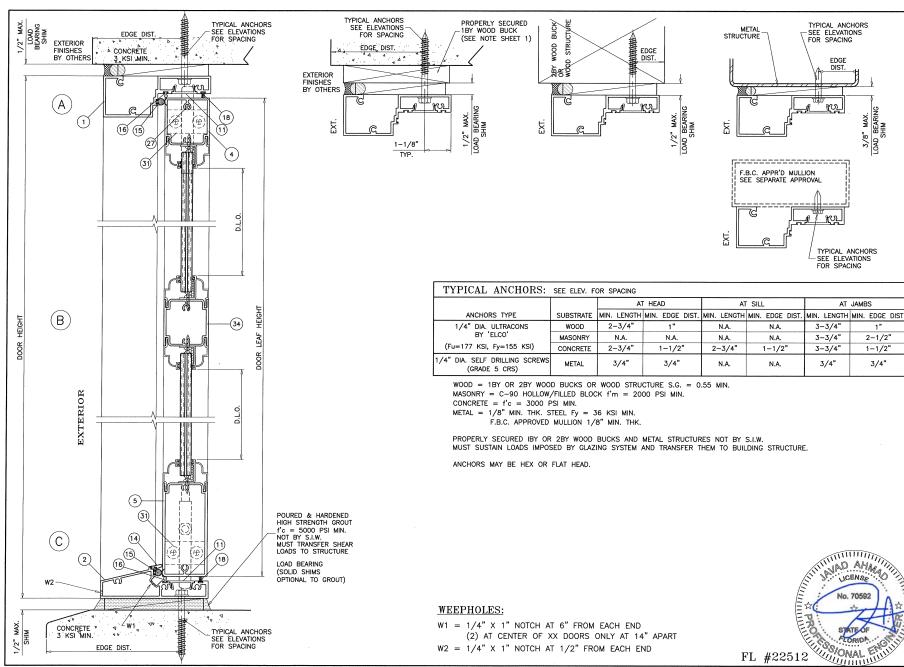
no.

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Sealed:12/13/2017





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SERIES 700 CONTEMPORARY ALUM INSWING DOOR

2-1/2"

1-1/2"

3/4"

SIW IMPACT WINDOWS, LLC. 975 S. CONGRESS AVE. #102 DELRAY BEACH, FL. 33445 TEL (561) 274–9392 FAX. (561) 2

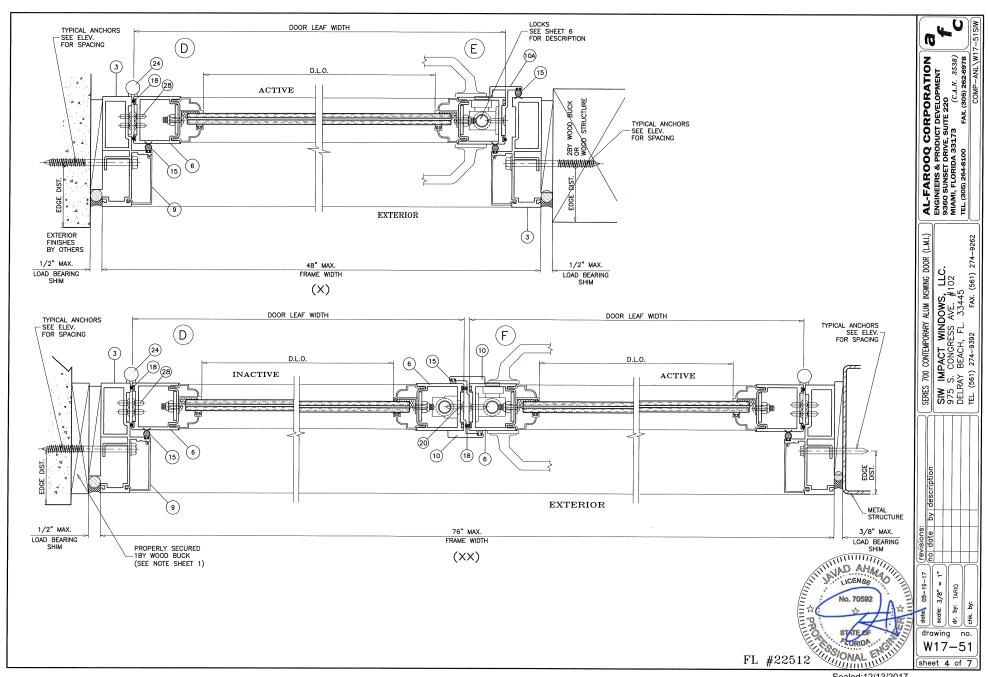
TARIO 3/8" جَ

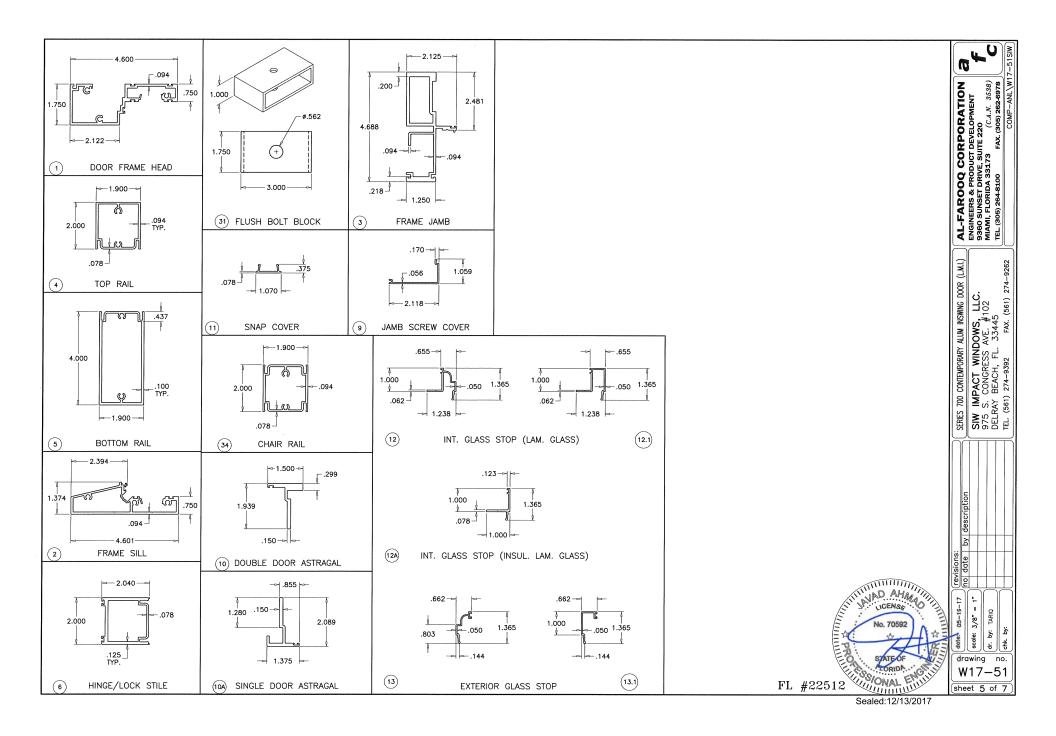
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drawing

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sheet 3 of 7





LOCK OPTIONS 1 & 2

ACTIVE LEAF:

OPTION #1:

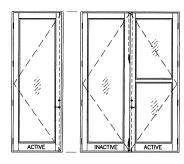
3 POINT LOCK ASSEMBLY (SERIES 2222) BY 'REGENT' WITH HOOK BOLT AT 36" FROM BOTTOM FIUSH BOLTS CONNECTED TO LOCK KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR AND ENGAGING FRAME AT HEAD AND SILL

OPTION #2:

LOCK ASSEMBLY (DL01-6014) BY 'INTERLOCK USA' WITH THROW BOLT AT 35-1/2" FROM BOTTOM FLUSH BOLTS CONNECTED TO LOCK KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR AND ENGAGING FRAME AT HEAD AND SILL

INACTIVE LEAF

CONCEALED FLUSH BOLTS (FB-1202-914) BY 'SULLIVAN & ASSOC.' MANUALLY OPERATED LEVERS MOUNTED ON INSIDE FACE OF LEAF STILE LOCATED AT 13-1/2" FROM BOTTOM AND 34" FROM TOP



HINGES:

4" X 4" ST. STEEL BUTT HINGES DELTANA (DSB4NB OR SD44HD) AT 13" FROM TOP AND BOTTOM ENDS AND 26-5/8" O.C. MAX. HINGE ATTACHED TO DOOR FRAME AND DOOR STILE USING (4) #12 X 1" FH MS

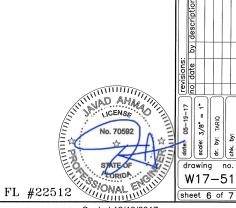
3 HINGES PER LEAF UPTO 6/8 HIGH DOORS

4 HINGES PER LEAF DOORS HIGHER THAN 6/8

SEALANTS:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SMALL JOINT SEALER.

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SIW505	1	DOOR FRAME HEAD	6063-T6	SIW SELECTED EXTRUDER
2	SIW545	1	INSWING FRAME SILL	6063-T6	SIW SELECTED EXTRUDER
3	SIW506	2/DOOR	FRAME JAMB	6063-T6	SIW SELECTED EXTRUDER
4	SIW549	1/ LEAF	DOOR TOP RAIL	6063-T6	SIW SELECTED EXTRUDER
5	SIW502	1/ LEAF	DOOR BOTTOM RAIL	6063-T6	SIW SELECTED EXTRUDER
6	SIW507	2/ LEAF	HINGE STILE/LOCK STILE	6063-T6	SIW SELECTED EXTRUDER
9	SIW511	AS REQD.	JAMB SCREW COVER	6063-T6	SIW SELECTED EXTRUDER
10	SIW509	AS REQD.	DOUBLE DOOR ASTRAGAL	6063-T6	SIW SELECTED EXTRUDER
10A	SIW535	AS REQD.	SINGLE DOOR ASTRAGAL	6063-T6	SIW SELECTED EXTRUDER
11	SIW510	AS REQD.	SCREW COVER	6063-T6	SIW SELECTED EXTRUDER
12	SIW512	AS REQD.	INTERIOR GLASS STOP (LAM. GLASS)	6063-T6	SIW SELECTED EXTRUDER
12.1	SIW540	AS REQD.	INTERIOR GLASS STOP SQUARE (LAM. GLASS)	6063-T6	SIW SELECTED EXTRUDER
12A	SIW520	AS REQD.	INTERIOR GLASS STOP (INSUL. LAM. GLASS)	6063-T5	SIW SELECTED EXTRUDER
13	SIW513	AS REQD.	EXTERIOR GLASS STOP	6063-T6	SIW SELECTED EXTRUDER
13.1	SIW541	AS REQD.	EXTERIOR GLASS STOP SQUARE	6063-T6	SIW SELECTED EXTRUDER
14	SIW548	1	THRESHOLD TRIM	EDPM	DUROMETER 75±5 SHORE A
15	9016E	-	BULB W'STRIPPING	VINYL	CENTRAL PLSTICS
16	U4513	_	Q-LON W'STRIPPING	VINYL	SCHLEGEL
17	5530	AS REQD.	INTERIOR GLAZING GASKET (DUROMETER 70±5)	SANTOPRENE	BY CENTRAL PLASTICS
17A	5531	AS REQD.	EXTERIOR GLAZING GASKET (DUROMETER 70±5)	SANTOPRENE	BY CENTRAL PLASTICS
18	W23201NW0020	AS RQD.	FINSEAL PILE W'STRIPPING	_	ULTRAFAB
20	#8 X 1/2"	-	ASTRAGAL SCREWS PH SMS	-	AT 4" FROM ENDS & 24" O.C.
21	#8 X 1/2"	AS REQD.	GLASS STOP SCREWS SELF DRILLING	_	AT 8" FROM ENDS & 15" O.C. MAX.
24	SD44HD	4/LEAF	BUTT HINGES	_	STAINLESS STEEL
27	#12 X 2"	1/ CORNER	FRAME AND LEAF ASSEMBLY SCREWS	ST. STEEL	HWH SMS
28	#12 X 1/2"	AS REQD.	HINGE ASSEMBLY SCREWS	ST. STEEL	FH MS TYPE F SS
31	SIW 521	-	FLUSH BOLT BLOCK	6063-T6	_
32	#2	-	FLUSH BOLTS	-	SULLIVAN & ASSOC.
34	SIW539	-	2" CHAIR RAIL	6063-T6	-
35	_	AS REQD.	SETTING BLOCKS AT 1/4 POINTS	EPDM	DUROMETER 85±5 SHORE A



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