



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

WinDoor, Incorporated
7500 Amsterdam drive
Orlando, Florida, 32832

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "9050" Single Aluminum Outswing Terrace Door-LMI

APPROVAL DOCUMENT: Drawing No. 08-01151 Rev E, titled "Series 9050 Thermally Broken Aluminum Outswing Terrace Door", sheets 1 through 16 of 16, prepared by manufacturer, dated 11/09/10 and last revised on 04/27/16, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:

1. See multi-locking points Vs. Door sizes in sheets 11 & 12 for Giesse and for HLS 9000 Hoppe in sheet 13. The Hoppe hardware shoot bolts at head & sill must engage min 1" beyond the door frame into specified substrate.
2. Standard Door sill to be set with 3/16" continuous full width construction sealant, compatible to the substrate with min 18 #/in (PLI) durable shear strength. The ADA sill to be secured with min three screws & construction sealant.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.



R 5/13/16

NOA No. 15-0728.02
Expiration Date: August 25, 2017
Approval Date: May 19, 2016
Page 1



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INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises and renews NOA No. 12-0628.04 and consists of page 1, this page 2, and evidence pages E-1 and E-2, as well as approval document mentioned above. The submitted documentation was reviewed by **Jorge M. Plasencia, P. E.**



Handwritten signature and date: 5/13/16

NOA No. 15-0728.02
Expiration Date: August 25, 2017
Approval Date: May 19, 2016
Page 2

WinDoor, Incorporated

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 12-0130.16)
2. Drawing No. **08-01151** Rev E, titled "Series 9050 Thermally Broken Aluminum Outswing Terrace Door", sheets 1 through 16 of 16, prepared by manufacturer, dated 11/09/10 and last revised on 04/27/16, signed and sealed by Luis R. Lomas, P.E.

B. TESTS

1. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

Along with marked-up drawings and installation diagram of Aluminum outswing/Inswing Doors, prepared by National Certified Testing Laboratories Inc, Test Report No. **NCTL-210-3653-1** dated 10/15/10 and **revised** on 08/13/12 and 02/28/13, signed & sealed by Gerald J, Ferrara, P.E. (Note: This test reports have addendum letters dated 03/04/13, issued by National Certified Testing Laboratories Inc., signed & sealed by Gerald J, Ferrara, P.E.)
(Submitted under NOA No. 12-0628.04 / 12-0130.16 / 11-0525.04)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, conformance to, complying with **FBC 5th Edition (2014)**, prepared, signed, and sealed by Luis R. Lomas, P.E., dated 05/02/16.
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their "Sentry Glass® (Clear and White) Interlayer" dated 06/25/15, expiring on 07/04/18.
2. Test report No. **ETC-07-1043-19094-0** per **ASTMG-26-95** (4500 Xenon Arc) & **ASTMD-638** dated 02/18/08, issued by ETC Laboratories, issued to Technoform for Polyimide plastic strut.
3. Test report No. **ATI-61261.01-106-18** per **ASTMD-2843-99** (Smoke density) & **ASTMD-635**(Rate of burning) dated 12/14/05, issued by Architect Testing, issued to Technoform for Polyimide plastic strut.



Jorge M. Plasencia, P. E.
Product Control Unit Supervisor
NOA No. 15-0728.02
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F. STATEMENTS

1. Statement letter of conformance to, complying with **FBC 5th Edition (2014)**, and of no financial interest, dated 04/26/16, signed and sealed by Luis R. Lomas, P. E.
2. Test lab statement, part of the above referenced test reports.
3. Statement addendum letters dated 03/28/11, issued by National Certified Testing Laboratories, Inc. signed and sealed by Gerald J. Ferrera, P.E.

G. OTHERS

1. Notice of Acceptance No. **12-06284.04**, issued to WinDoor, Inc., for their **Series "9050" Single Aluminum Outswing Terrace Glass Door** approved on 06/13/13 and expiring on 08/25/16.
2. Test Proposals #**12-0368** dated March 14, 2012 approved by PERA and # **09-1509** approved by BCCO.
(Submitted under NOA No. 12-0628.04)



Jorge M. Plasencia, P. E.
Product Control Unit Supervisor
NOA No. 15-0728.02
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	REVISED PER 2014 FBC REQUIREMENTS	04/27/16	R.L.

NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2014 FLORIDA BUILDING CODE 5th. EDITION INCLUDING THE HVHZ.
- WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- FRAME AND PANEL MATERIAL: EXTRUDED THERMALLY BROKEN ALUMINUM 6063-T6.
- UNITS MUST BE GLAZED PER ASTM E1300 SEE SHEET 4 FOR GLAZING DETAILS.
- APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK UP TO 1/4".
- FOR ANCHORING INTO CONCRETE/MASONRY USE 1/4" ELCO CRETE-FLEX TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS, IN THIS DRAWING SET.
- FOR ANCHORING INTO WOOD FRAMING, 2X BUCK OR 2X BACKED 20GA. STEEL FRAMING USE GRADE 5 #14 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 7/16" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS, IN THIS DRAWING SET.
- ALL FASTENERS TO BE CORROSION RESISTANT.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,350 PSI.
 - MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, WITH Fm=2,000PSI MINIMUM.
 - STEEL FRAMING - 2X BACKED 20GA., .039" MINIMUM: Fy=33KSI/Fu=52KSI.

- MAXIMUM PANEL SIZE: 42" x 118 1/2"
- RIGHT HAND SHOWN. LEFT HAND MODELS ALSO APPROVED.
- DOOR SILL TO BE SET IN A FULL WIDTH, CONTINUOUS 3/16" THICK BED OF SEALANT EQUAL TO OR BETTER THAN C.R. LAURENCE M64 POLYURETHANE CONSTRUCTION SEALANT HAVING 18 #/IN (PLI) SHEAR STRENGTH. COMPATIBILITY OF ALUMINUM DOOR SILL, SEALANT AND ADJACENT SUBSTRATE TO BE DETERMINED BY ARCHITECT OF RECORD.

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4	BILL OF MATERIALS AND GLAZING OPTIONS
5 - 6	CROSS SECTIONS
7 - 10	INSTALLATION DETAILS
11 - 13	HARDWARE LAYOUTS
14 - 16	COMPONENTS

SIGNED: 04/28/2016

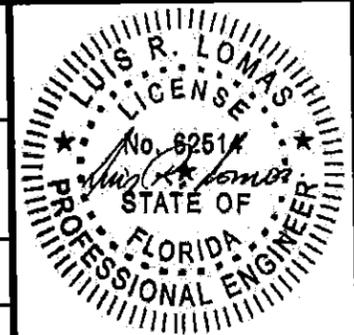
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **15-0728.02**
Expiration Date **08/25/2017**
By 
Miami-Dade Product Control

WinDoor
INCORPORATED

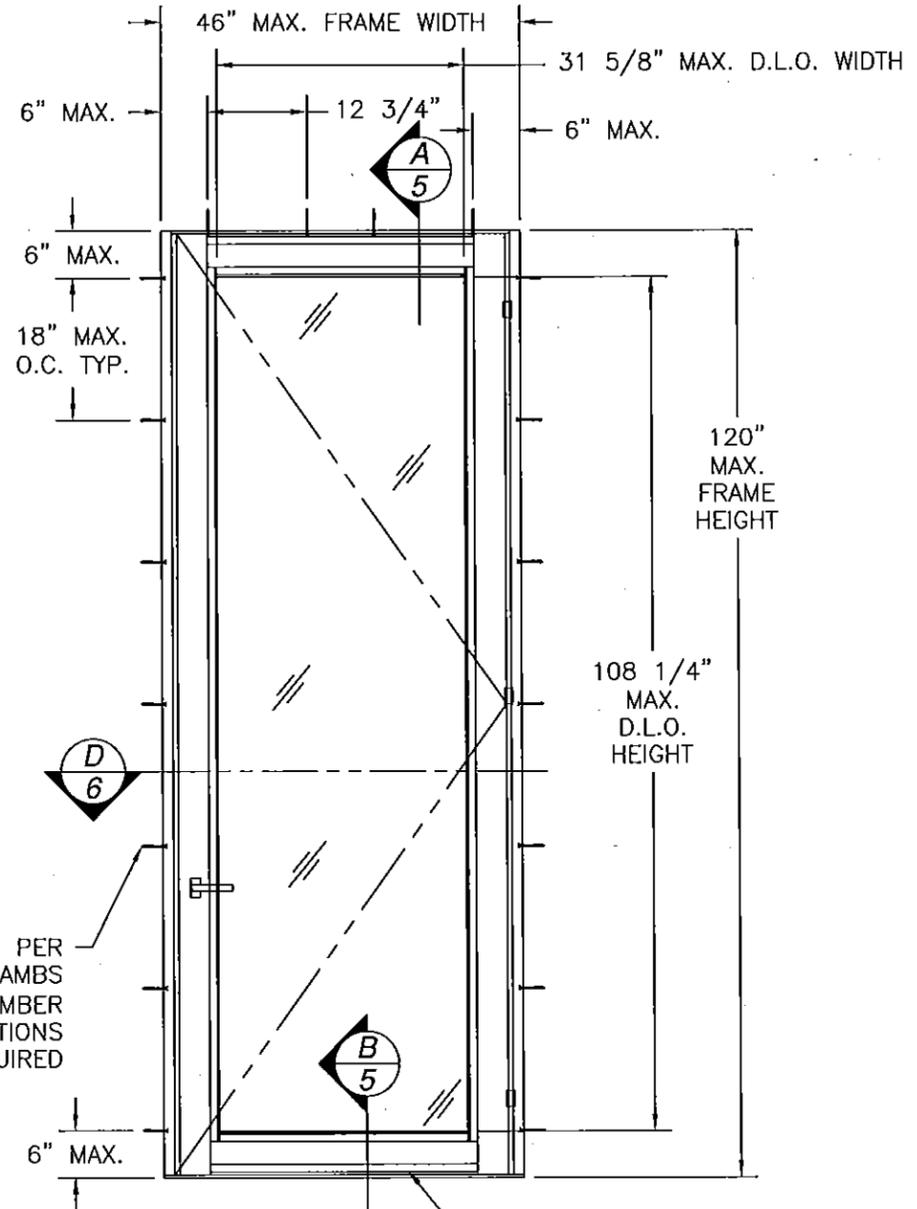
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505 www.windoorinc.com

SERIES 9050 THERMALLY BROKEN ALUMINUM
OUTSWING TERRACE DOOR - LMI
ELEVATION, ANCHORING LAYOUT AND NOTES

DRAWN: TJH	DWG NO. 08-01151	REV E
SCALE NTS	DATE 11/09/10	SHEET 1 OF 16



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	REVISED PER 2014 FBC REQUIREMENTS	04/27/16	R.L.



2 ANCHORS PER LOCATION AT JAMBS
SEE TABLE #2 FOR NUMBER OF ANCHOR LOCATIONS REQUIRED

SEE NOTE 15 SHEET 1

**SERIES 9050 THERMALLY BROKEN ALUMINUM
OUTSWING TERRACE DOOR WITH STANDARD SILL**
STANDARD BOTTOM RAIL SHOWN, TALL BOTTOM RAIL OPTIONAL
EXTERIOR VIEW
REFER TO TABLE 1 FOR RATINGS AND TABLE 2 FOR NUMBER OF ANCHORS LOCATIONS REQUIRED

TABLE #1
Maximum design pressure capacity chart (psf)
Series 9050 Terrace OS Door with Standard Sill

Frame Height (in)	Frame Panel width (in)							
	28.0		34.0		40.0		46.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.0	120.0	150.0	120.0	150.0	120.0	138.0	113.5	120.0
84.0	120.0	150.0	120.0	150.0	120.0	138.0	111.3	120.0
96.0	120.0	150.0	120.0	150.0	117.4	138.0	106.3	120.0
108.0	120.0	150.0	120.0	150.0	114.1	136.9	102.7	120.0
120.0	120.0	150.0	120.0	150.0	111.6	133.9	100.0	120.0

MAXIMUM PANEL WIDTH FOR EGRESS APPLICATION PER FBC TO BE REVIEWED BY AUTHORITY HAVING JURISDICTION.

TABLE #2
Series 9050 Terrace OS Door with Standard Sill

Frame Height (in)	Frame Panel width (in)							
	28.0		34.0		40.0		46.0	
	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb
80.0	3	5	3	5	4	5	4	5
84.0	3	5	3	5	4	5	4	5
96.0	3	6	3	6	4	6	4	6
108.0	3	7	3	7	4	7	4	7
120.0	3	7	3	7	4	7	4	7

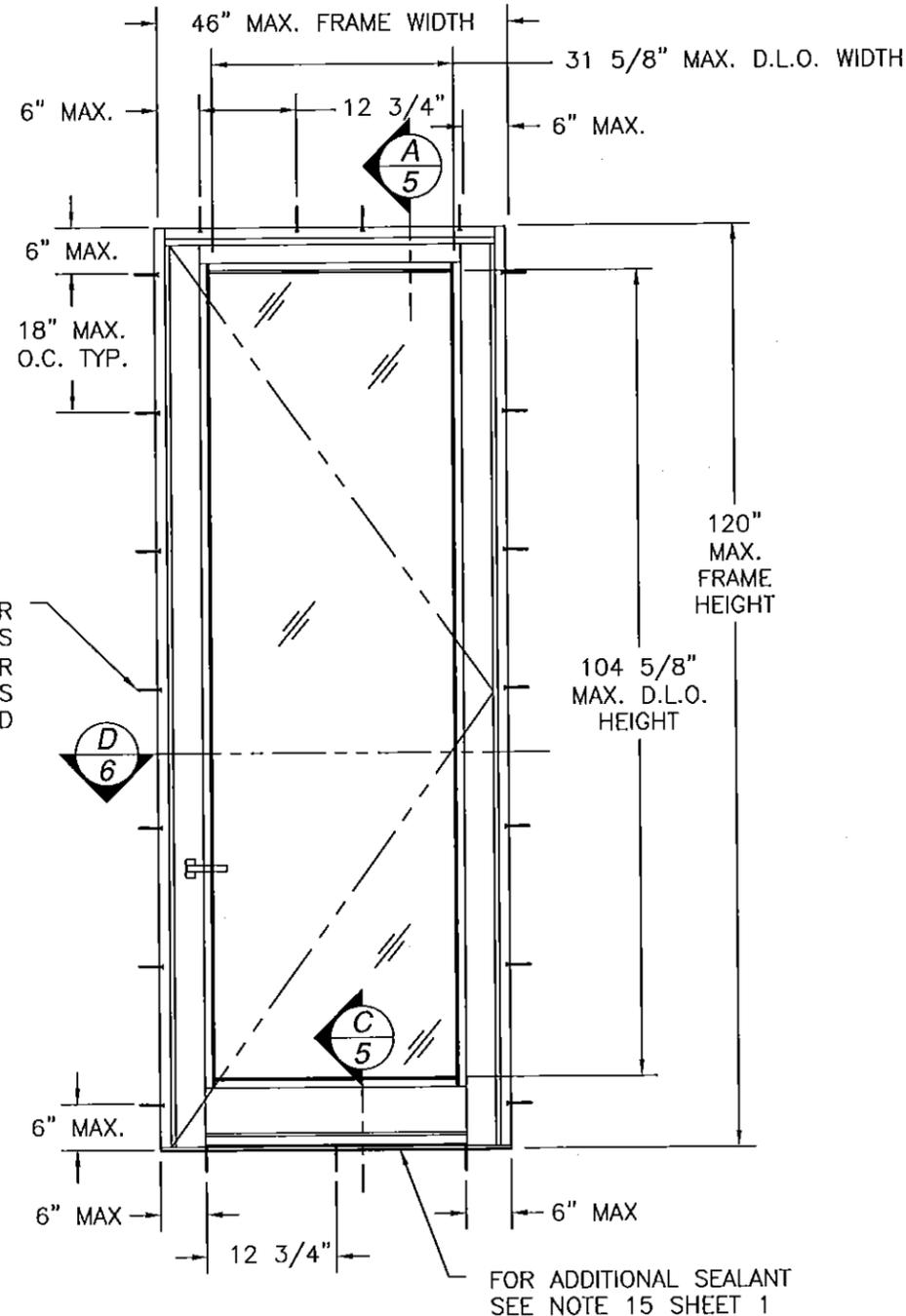
JAMBS USE (2) ANCHORS PER LOCATION.

PANEL SIZE FORMULA:
 PANEL HEIGHT = FRAME HEIGHT - 1.5"
 PANEL WIDTH = FRAME WIDTH - 4.0"
 D.L.O. FORMULA WITH STANDARD BOTTOM RAIL:
 D.L.O. HEIGHT = FRAME HEIGHT - 11.75"
 D.L.O. WIDTH = FRAME WIDTH - 14.375"
 D.L.O. FORMULA WITH TALL BOTTOM RAIL:
 D.L.O. HEIGHT = FRAME HEIGHT - 11.812"
 D.L.O. WIDTH = FRAME WIDTH - 14.375"

SIGNED: 04/28/2016

PRODUCT REVISED as complying with the Florida Building Code NOA-No. 15-0728.02 Expiration Date 08/25/2017 By Miami-Dade Product Control	WinDoor INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com		
	SERIES 9050 THERMALLY BROKEN ALUMINUM OUTSWING TERRACE DOOR - LMI ELEVATION, ANCHORING LAYOUT AND NOTES		
	DRAWN: TJH	DWG NO. 08-01151	
SCALE NTS	DATE 11/09/10	SHEET 2 OF 16	

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	REVISED PER 2014 FBC REQUIREMENTS	04/27/16	R.L.



2 ANCHORS PER LOCATION AT JAMBS
SEE TABLE #4 FOR NUMBER OF ANCHOR LOCATIONS REQUIRED

FOR ADDITIONAL SEALANT
SEE NOTE 15 SHEET 1

**SERIES 9050 THERMALLY BROKEN ALUMINUM
OUTSWING TERRACE DOOR
WITH ADA SILL AND TALL BOTTOM RAIL
EXTERIOR VIEW**

TALL BOTTOM RAIL SHOWN, STANDARD BOTTOM RAIL OPTIONAL
REFER TO TABLE 3 FOR RATINGS AND TABLE 4 FOR NUMBER OF ANCHORS LOCATIONS REQUIRED

TABLE #3

**Maximum design pressure capacity chart (psf)
Series 9050 Terrace OS Door with ADA Sill
and Tall Bottom Rail**

Frame Height (in)	Frame Panel width (in)							
	28.0		34.0		40.0		46.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.0	80.0	150.0	80.0	149.0	80.0	126.0	80.0	110.0
84.0	80.0	150.0	80.0	149.0	80.0	126.0	80.0	110.0
96.0	80.0	150.0	80.0	146.2	80.0	126.0	80.0	110.0
108.0	80.0	150.0	80.0	142.8	80.0	125.5	80.0	110.0
120.0	80.0	150.0	80.0	140.2	80.0	122.7	80.0	110.0

MAXIMUM PANEL WIDTH FOR EGRESS APPLICATION PER FBC TO BE REVIEWED BY AUTHORITY HAVING JURISDICTION.

TABLE #4

Number of anchors required per comparative analysis.

Frame Height (in)	Frame Panel width (in)							
	28.0		34.0		40.0		46.0	
	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb
80.0	3	5	3	5	4	5	4	5
84.0	3	5	3	5	4	5	4	5
96.0	3	6	3	6	4	6	4	6
108.0	3	7	3	7	4	7	4	7
120.0	3	7	3	7	4	7	4	7

JAMBS USE (2) ANCHORS PER LOCATION.

PANEL SIZE FORMULA:

PANEL HEIGHT = FRAME HEIGHT - 1.5"

PANEL WIDTH = FRAME WIDTH - 4.0"

D.L.O. FORMULA WITH STANDARD BOTTOM RAIL:

D.L.O. HEIGHT = FRAME HEIGHT - 15.375"

D.L.O. WIDTH = FRAME WIDTH - 14.375"

D.L.O. FORMULA WITH TALL BOTTOM RAIL:

D.L.O. HEIGHT = FRAME HEIGHT - 11.812"

D.L.O. WIDTH = FRAME WIDTH - 14.375"

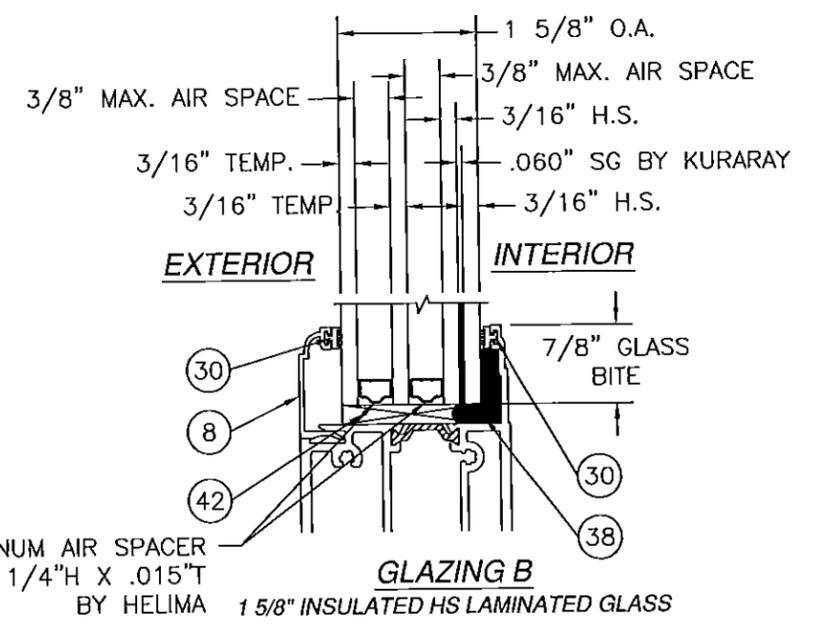
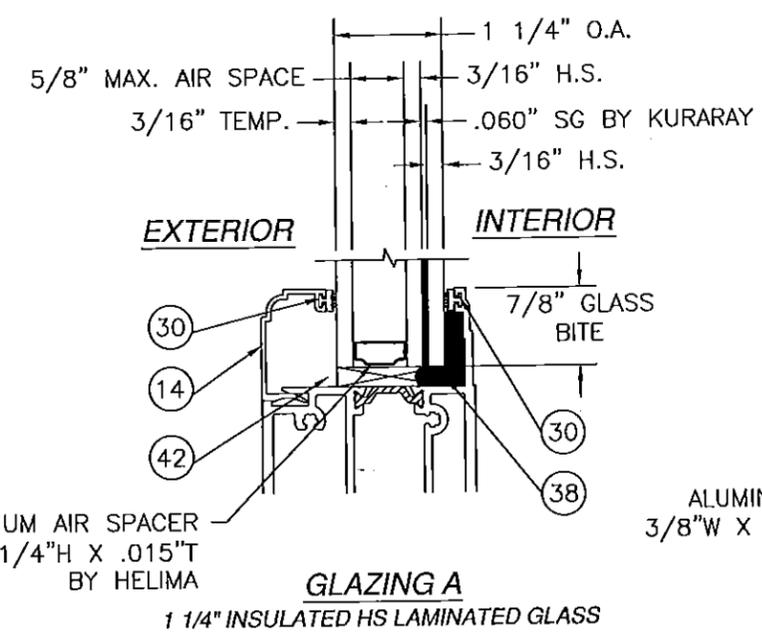
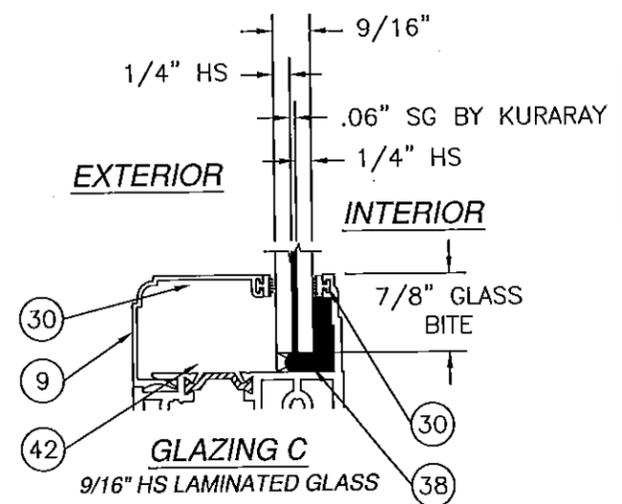
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	SERIES 9050 THERMALLY BROKEN ALUMINUM OUTSWING TERRACE DOOR - LMI ELEVATIONS AND ANCHORING LAYOUTS	
DRAWN: TJH	DWG NO. 08-01151	REV E
SCALE NTS	DATE 11/09/10	SHEET 3 OF 16

PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	905A11	FRAME JAMB ASS'Y OUTSWING	KEYMARK	ALUMINUM 6063-T6
2	905A12	FRAME HEAD & STANDARD SILL ASS'Y	KEYMARK	ALUMINUM 6063-T6
3	S46079	ADA SILL ASS'Y W/URITHANE BREAK	KEYMARK	ALUMINUM 6063-T6
4		#10 X 1 1/2" PPH SCREW		STAINLESS STEEL
5		#10 X 2" FH TEK SCREW		STAINLESS STEEL
6		14mm STRUT	TECHNOFORM US	POLYMIDE 66-GF25
7		20mm STRUT	TECHNOFORM US	POLYMIDE 66-GF25
8	S46083	GLASS STOP 1.625	KEYMARK	ALUMINUM 6063-T6
9	S46082	GLASS STOP .5625	KEYMARK	ALUMINUM 6063-T6
10	905A09	ADA BOTTOM RAIL ADAPTER ASS'Y	KEYMARK	ALUMINUM 6063-T6
11	S46080	EURO FRAME GROOVE COVER	KEYMARK	ALUMINUM 6063-T6
12	S46085	JAMB & HEAD COVER PLATE	KEYMARK	ALUMINUM 6063-T6
13	S46086	STANDARD SILL COVER PLATE	KEYMARK	ALUMINUM 6063-T6
14	S46084	GLASS STOP 1.25	KEYMARK	ALUMINUM 6063-T6
15	52105	SPONGE WITH ADHESIVE BACK		EDPM
16	00598N	FLASH XXL DOOR HINGE	GIESSE	
17	00599	HINGE COVER	GIESSE	
18	04650	LEVER ACTIVATED GEAR BOX - 45MM	GIESSE	
19	4637	6131 W/KEY & THUMB TURN	GIESSE	
20	4636	3161 W/ KEY & THUMB TURN	GIESSE	
21	02472	PRIMA COUPLE DOOR HANDLE	GIESSE	
22	1315-MC2	LOCKING PLATES	ADVANTAGE MFG.	
23	1335-1	EUROGROOVE KEEPERS	ADVANTAGE MFG.	
24	04019	CORNER DRIVE	GIESSE	
25	04655	STRIKE PLATE	GIESSE	
26	01362N	ADJUSTABLE STRIKER	GIESSE	
27	03524	CONNECTING ROD	GIESSE	
28	1445	SNUBBER DRIVE	ADVANTAGE MFG.	
29		MULTI POINT LOCK	HOPPE	STAINLESS STEEL
30	TP1046	#7 GLAZING VINYL		VINYL
31		#8 x 1" PH SQ. DR. L-POINT		STAINLESS STEEL
32		#8 x 1" PFH SMS SCREW		STAINLESS STEEL
33	131022	#10 x 1 1/4" PH SQ. DR. L-POINT	CORNER CONSTR.	STAINLESS STEEL
34		#10 x 1 1/4" PFH SELF DRILLING		STAINLESS STEEL
35	5-3820-RB-1	STILE & RAIL FLANGE WEATHERSTRIP	LAUREN MFG.	
36	4-2709	TOP & BOTTOM RAIL WEATHERSTRIP	LAUREN MFG.	
37	905VP-22-SEAL	SPONGE SEAL	LAUREN MFG.	EDPM
38	SIKAFAST552	GLAZING COMPOUND	SIKA CORP.	URETHANE
39		#10 x 3/4" PPH SCREW		STAINLESS STEEL
40	8303-01-00	FLEX COEX BOTTOM SWEEP	TRELLBORG	RIGID PVC

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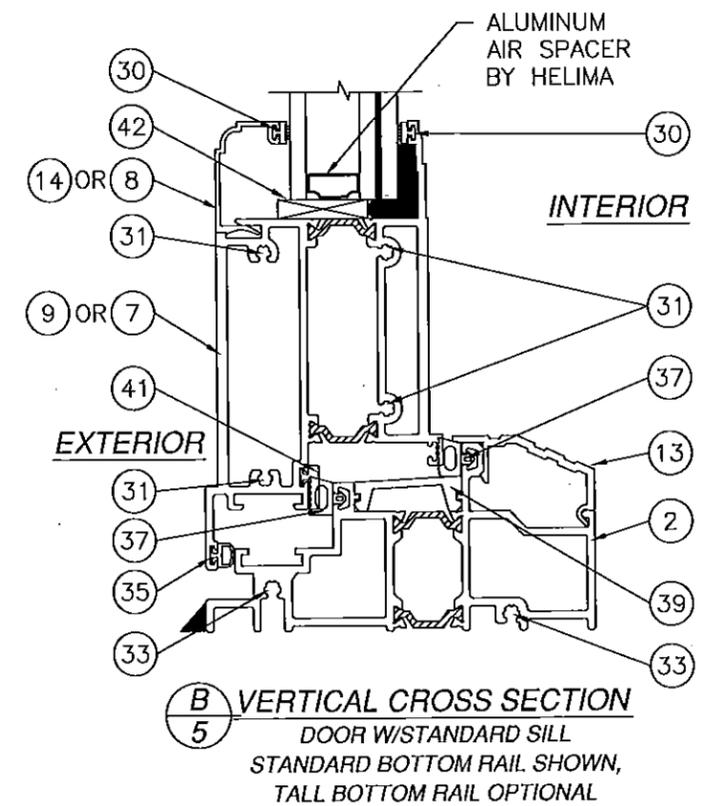
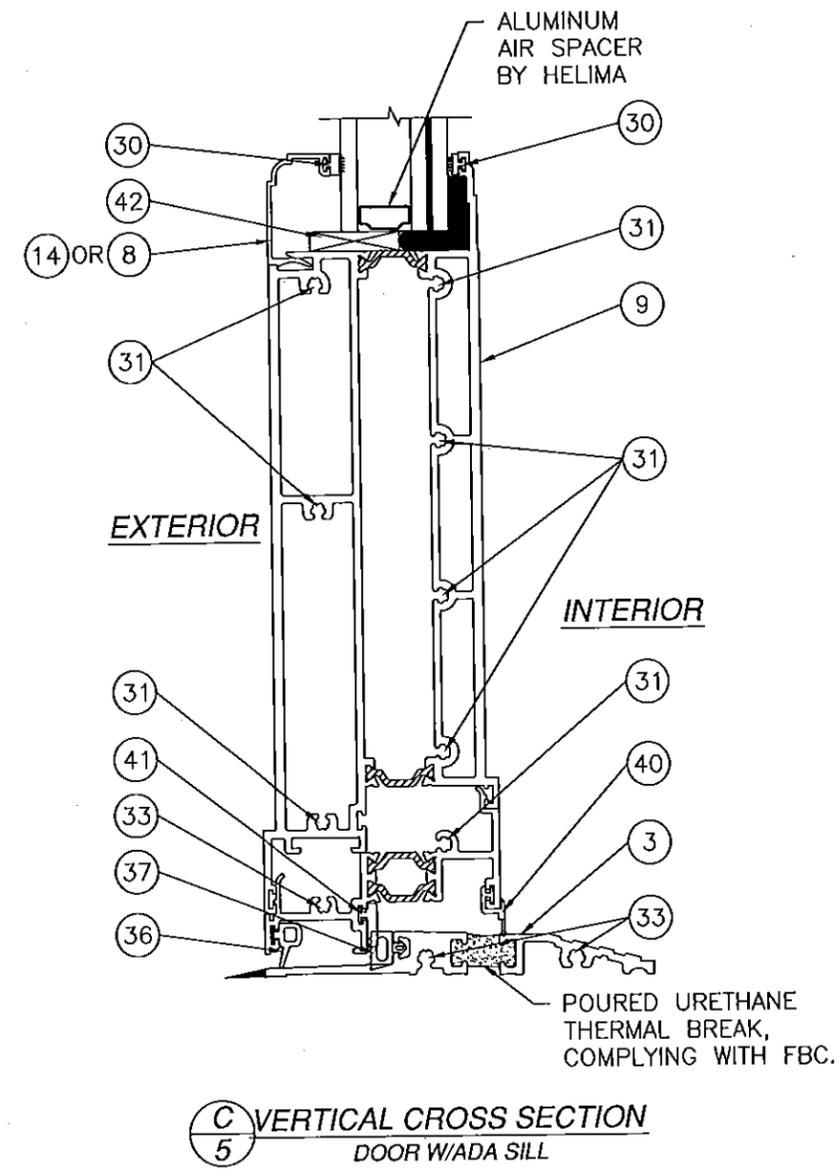
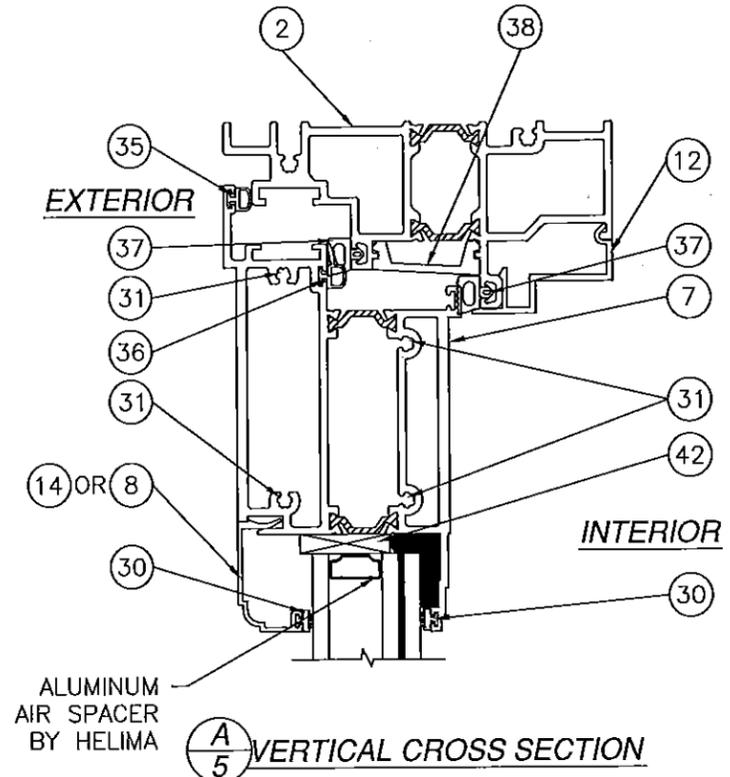
PARTS LIST						
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL		
41	TP-448	FILLER STRIP	TEAM PLASTICS	PVC 92 DUROMETER		
42	SETTING BLOCK	GLASS SHIM 1/4" x 3/4" x 1"		NEOPRENE 80D		
43	FG0015011	#3 S OR EQUIVALENT JOINT SEALANT	C.R. LAWRENCE	SILICONE		



SIGNED: 04/28/2016

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DRAWN: TJH SCALE NTS	DWG NO. 08-01151 DATE 11/09/10	REV E SHEET 4 OF 16

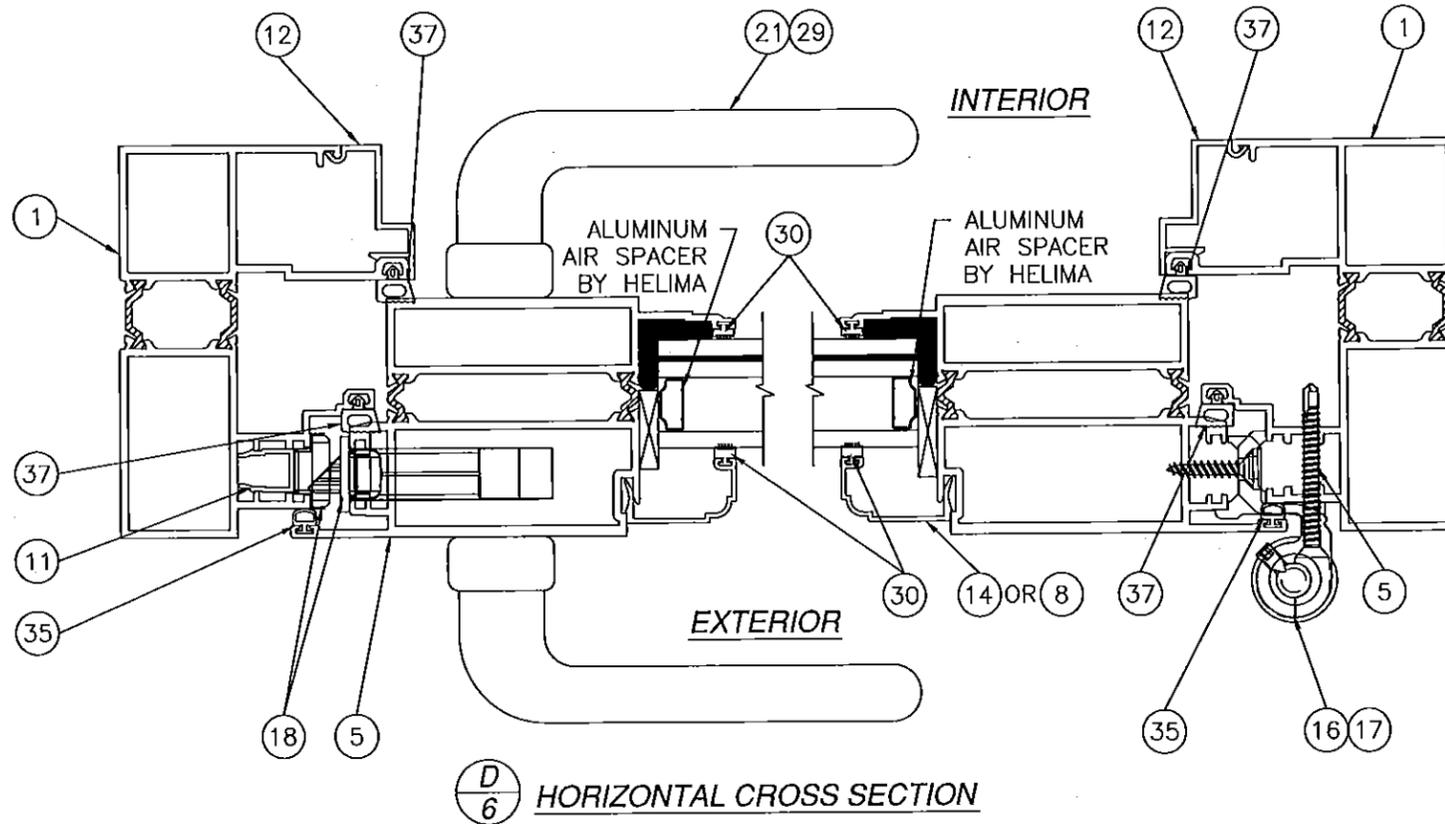
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DRAWN: TJH SCALE NTS	DWG NO. 08-01151 DATE 11/09/10	REV E SHEET 5 OF 16

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	REVISED PER 2014 FBC REQUIREMENTS	04/27/16	R.L.



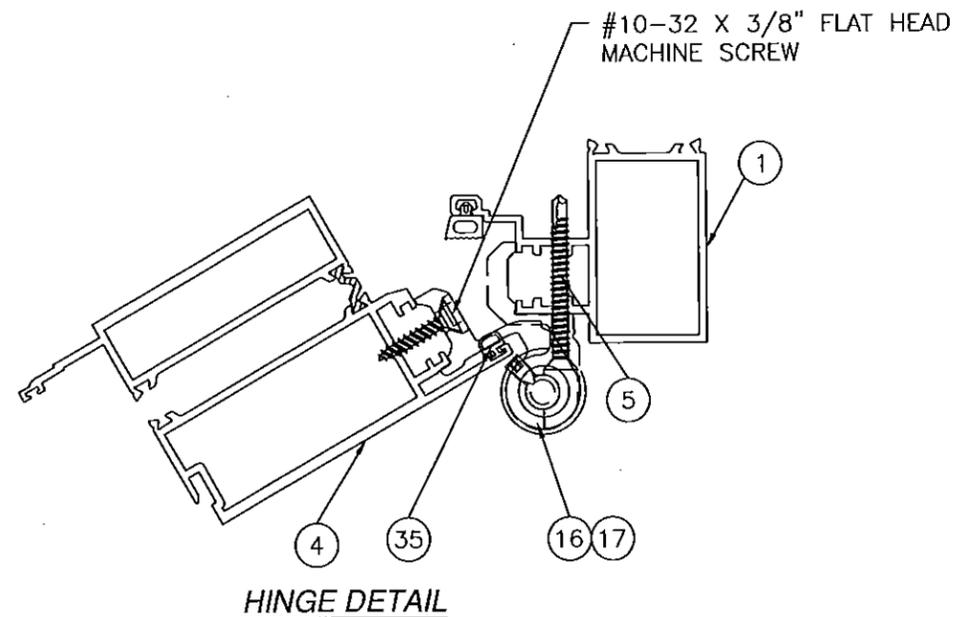
FRAME CONSTRUCTION:
 FRAME CORNERS ARE COPED AND BUTTED. JAMBS ARE ATTACHED TO HEAD, STANDARD SILL AND ADA SILL USING (2) #10 x 1 1/4" PH SQUARE DRIVE LEAD POINT SS SCREWS, ITEM #33, AT EACH CORNER.

PANEL CONSTRUCTION:
 STANDARD BOTTOM RAIL IS ATTACHED TO STILES WITH (4) #8 x 1" PH SQUARE DRIVE LEAD POINT SS SCREWS, (2) AT INTERIOR EXTRUSION AND (2) AT EXTERIOR EXTRUSION.

TALL BOTTOM RAIL IS ATTACHED TO STILES WITH (7) #8 x 1" PH SQUARE DRIVE LEAD POINT SS SCREWS, (4) AT INTERIOR EXTRUSION AND (3) AT EXTERIOR EXTRUSION.

TOP RAIL IS ATTACHED TO STILES WITH (4) #8 x 1" PH SQUARE DRIVE LEAD POINT SS SCREWS, (2) AT INTERIOR EXTRUSION AND (2) AT EXTERIOR EXTRUSION.

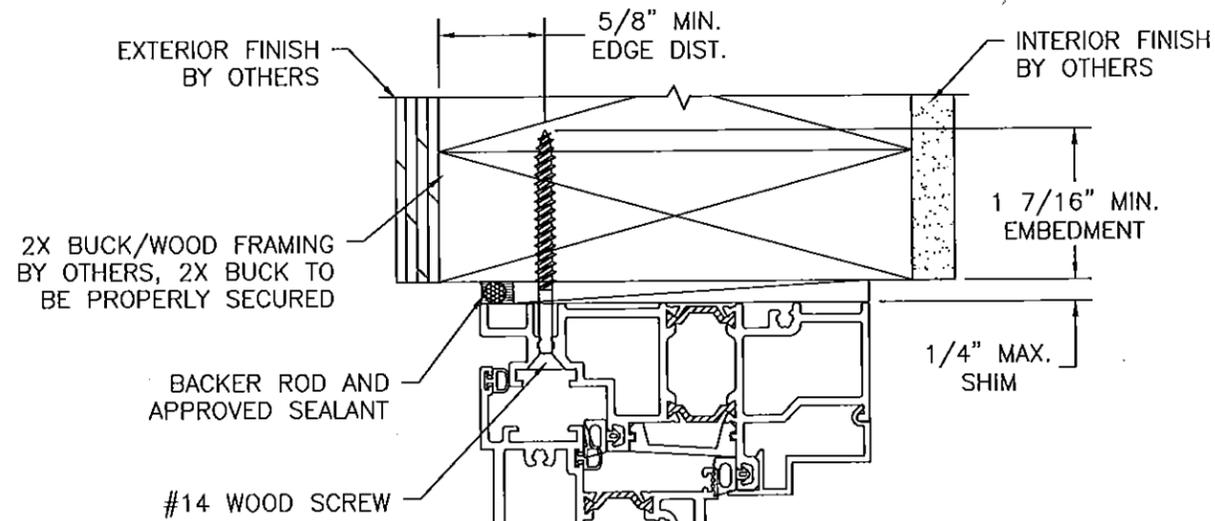
WHEN ADA SILL IS USED BOTTOM RAIL IS FITTED WITH ADA BOTTOM RAIL ADAPTER ASSEMBLY, ITEM #10. ADA BOTTOM RAIL ADAPTER IS SNAP FIT TO BOTTOM RAIL AND ATTACHED TO STILES WITH (2) #8 x 1" PH SQUARE DRIVE LEAD POINT SS SCREWS.



SIGNED: 04/28/2016

PRODUCT REVISED as complying with the Florida Building Code NOA-No. 15-0728.02 Expiration Date 08/25/2017 By <i>[Signature]</i> Miami-Dade Product Control	WinDoor INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com	
	SERIES 9050 THERMALLY BROKEN ALUMINUM OUTSWING TERRACE DOOR - LMI HORIZONTAL CROSS SECTIONS	
DRAWN: TJH	DWG NO. 08-01151	REV E
SCALE NTS	DATE 11/09/10	SHEET 6 OF 16

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	REVISED PER 2014 FBC REQUIREMENTS	04/27/16	R.L.



EXTERIOR

INTERIOR

SEE CROSS SECTIONS SHEETS 5 AND 6 FOR COMPONENT CALLOUTS.

EXTERIOR

INTERIOR

ADDITIONAL 3/16" BED OF CONSTRUCTION SEALANT. SEE NOTE 15 SHEET 1.

APPROVED SEALANT

2X BUCK/WOOD FRAMING BY OTHERS, 2X BUCK TO BE PROPERLY SECURED

1 7/16" MIN. EMBEDMENT

5/8" MIN. EDGE DIST.

#14 WOOD SCREW

VERTICAL CROSS SECTION
2X BUCK/WOOD FRAMING INSTALLATION
ADA SILL, ADAPTER WITH TALL BOTTOM RAIL

SIGNED: 04/28/2016

APPROVED SEALANT

3/16" BED OF CONSTRUCTION SEALANT. SEE NOTE 15 SHEET 1.

2X BUCK/WOOD FRAMING BY OTHERS, 2X BUCK TO BE PROPERLY SECURED

VERTICAL CROSS SECTION
2X BUCK/WOOD FRAMING INSTALLATION
STANDARD SILL WITH STANDARD BOTTOM RAIL SHOWN, TALL BOTTOM ALSO APPROVED

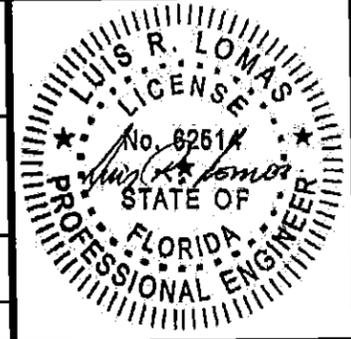
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **15-0728.02**
Expiration Date **08/25/2017**
By *[Signature]*
Miami-Dade Product Control

WinDoor
INCORPORATED

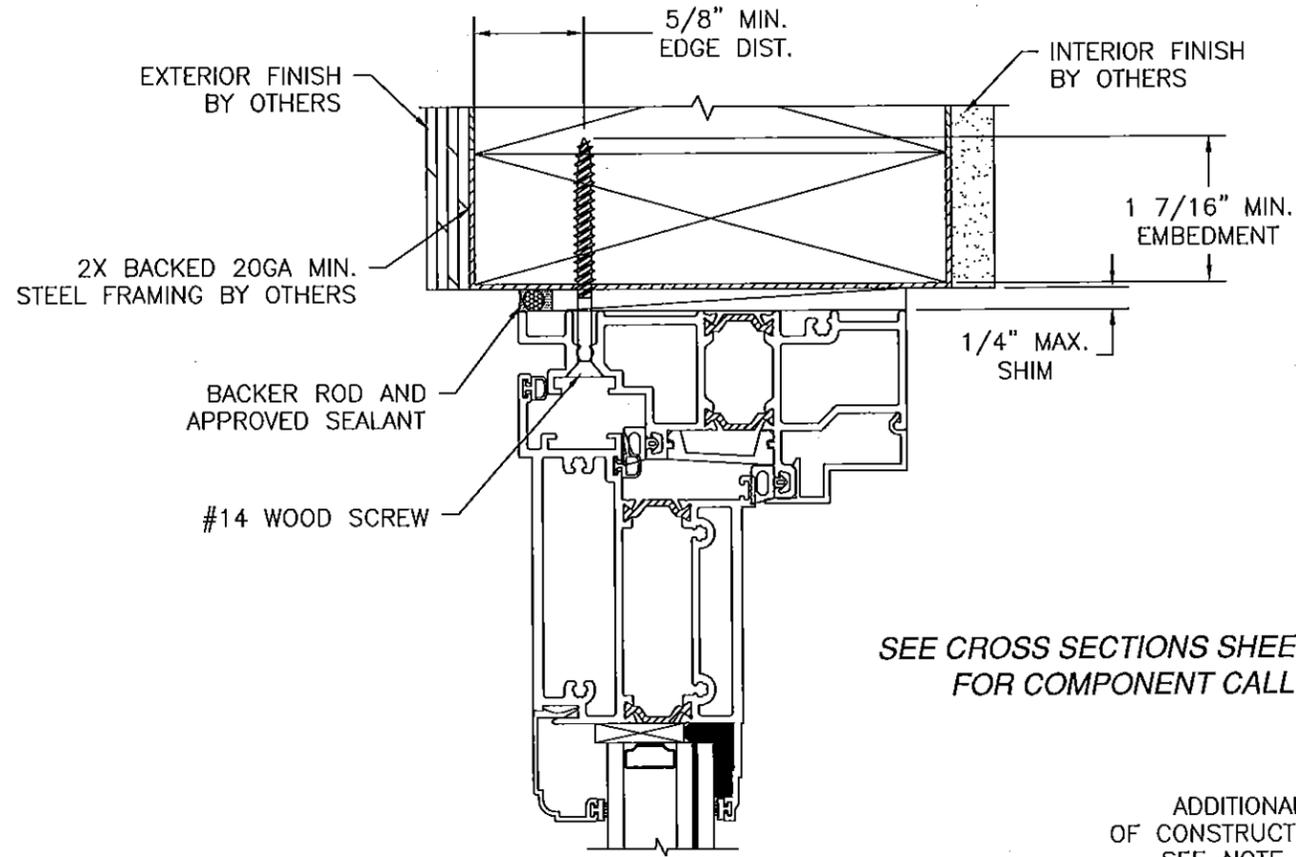
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0905
www.windoorinc.com

SERIES 9050 THERMALLY BROKEN ALUMINUM
OUTSWING TERRACE DOOR - LMI
INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-01151	REV E
SCALE NTS	DATE 11/09/10	SHEET 7 OF 16

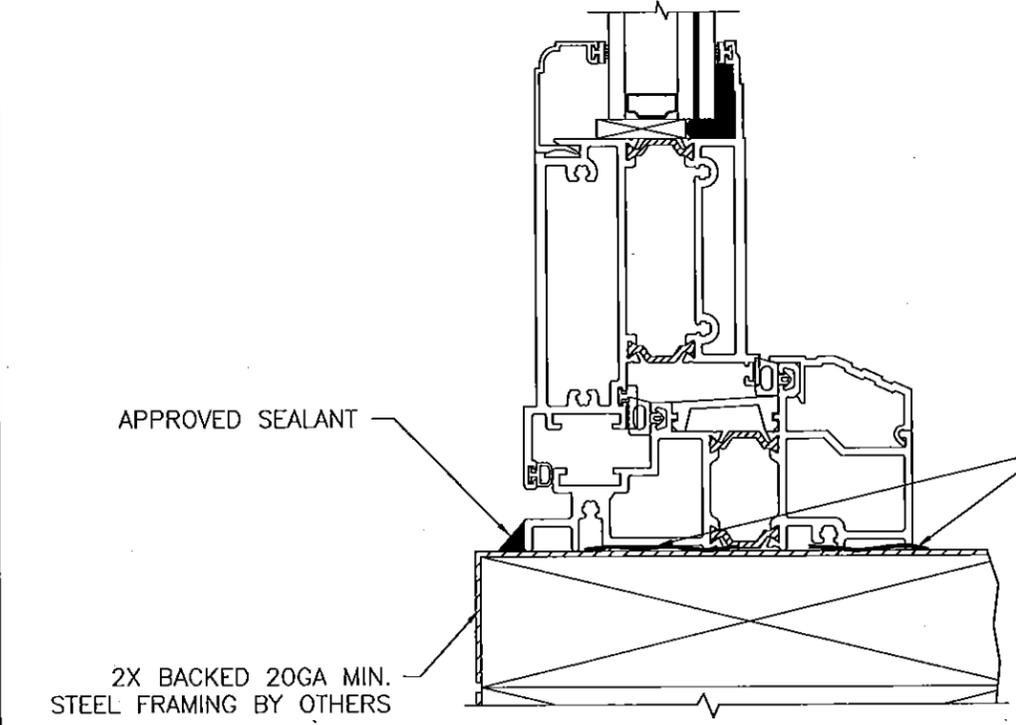


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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EXTERIOR INTERIOR

SEE CROSS SECTIONS SHEETS 5 AND 6 FOR COMPONENT CALLOUTS.



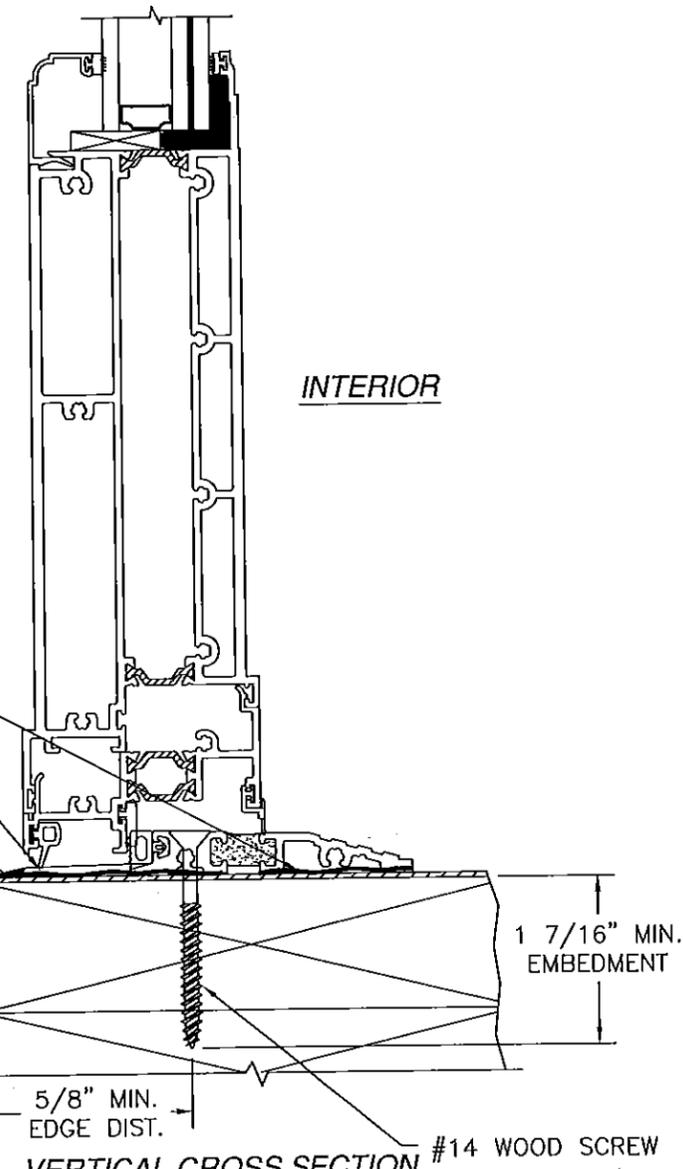
VERTICAL CROSS SECTION
2X BACKED STEEL FRAMING INSTALLATION
STANDARD SILL WITH
STANDARD BOTTOM RAIL SHOWN,
TALL BOTTOM ALSO APPROVED

ADDITIONAL 3/16" BED OF CONSTRUCTION SEALANT. SEE NOTE 15 SHEET 1.

APPROVED SEALANT

2X BACKED 20GA MIN. STEEL FRAMING BY OTHERS

3/16" BED OF CONSTRUCTION SEALANT. SEE NOTE 15 SHEET 1.



EXTERIOR INTERIOR

VERTICAL CROSS SECTION
2X BACKED STEEL FRAMING INSTALLATION
ADA SILL, ADAPTER WITH
TALL BOTTOM RAIL

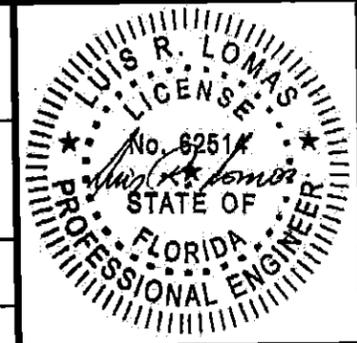
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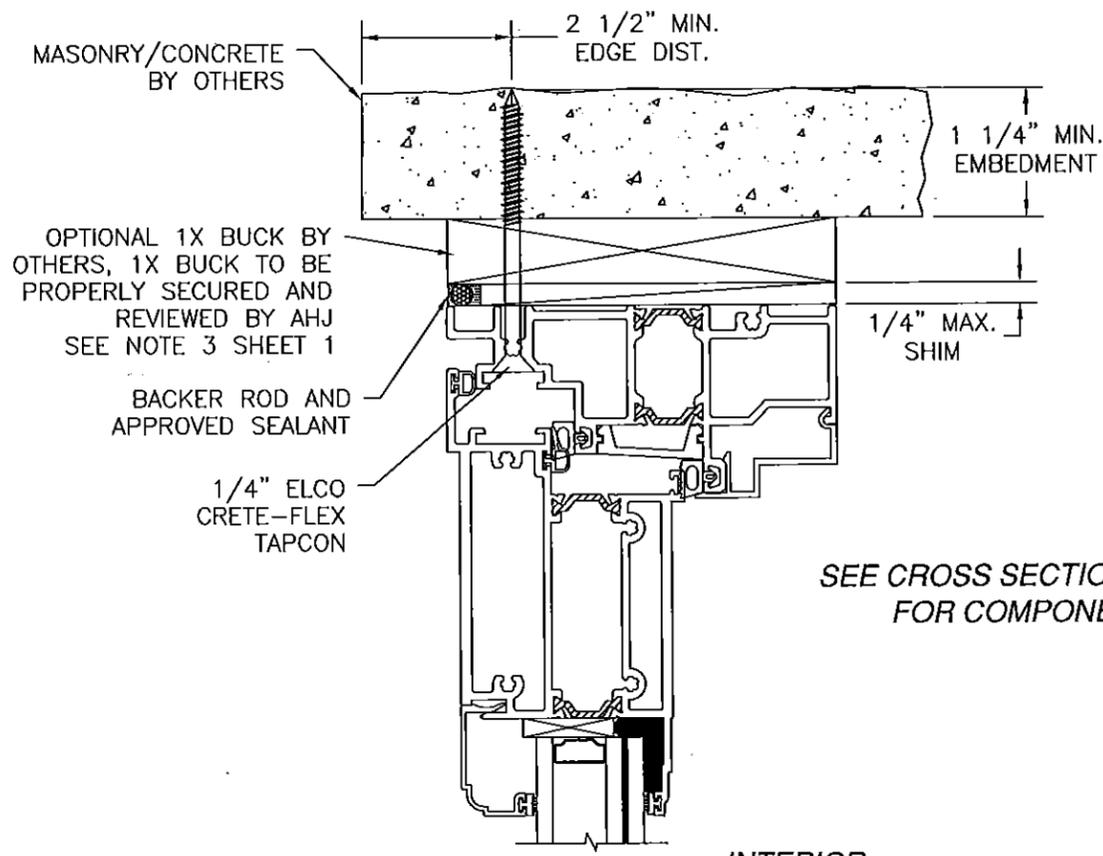
WinDoor
INCORPORATED
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SERIES 9050 THERMALLY BROKEN ALUMINUM
OUTSWING TERRACE DOOR - LMI
INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-01151	REV E
SCALE NTS	DATE 11/09/10	SHEET 8 OF 16



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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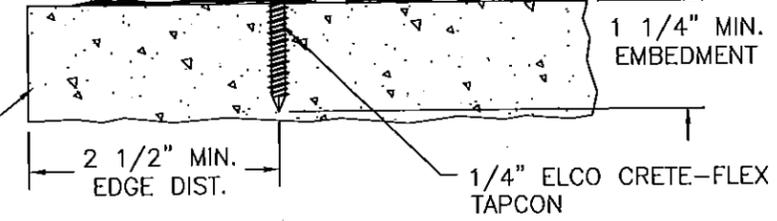
EXTERIOR INTERIOR

SEE CROSS SECTIONS SHEETS 5 AND 6 FOR COMPONENT CALLOUTS.

ADDITIONAL 3/16" BED OF CONSTRUCTION SEALANT SEE NOTE 15 SHEET 1

APPROVED SEALANT

MASONRY/CONCRETE BY OTHERS



VERTICAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION
ADA SILL, ADAPTER WITH
TALL BOTTOM RAIL

APPROVED SEALANT

3/16" BED OF CONSTRUCTION SEALANT. SEE NOTE 15 SHEET 1.

MASONRY/CONCRETE BY OTHERS

VERTICAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION
STANDARD SILL WITH
STANDARD BOTTOM RAIL SHOWN,
TALL BOTTOM ALSO APPROVED

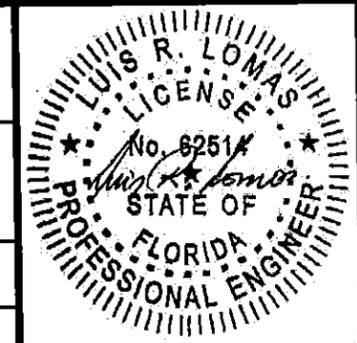
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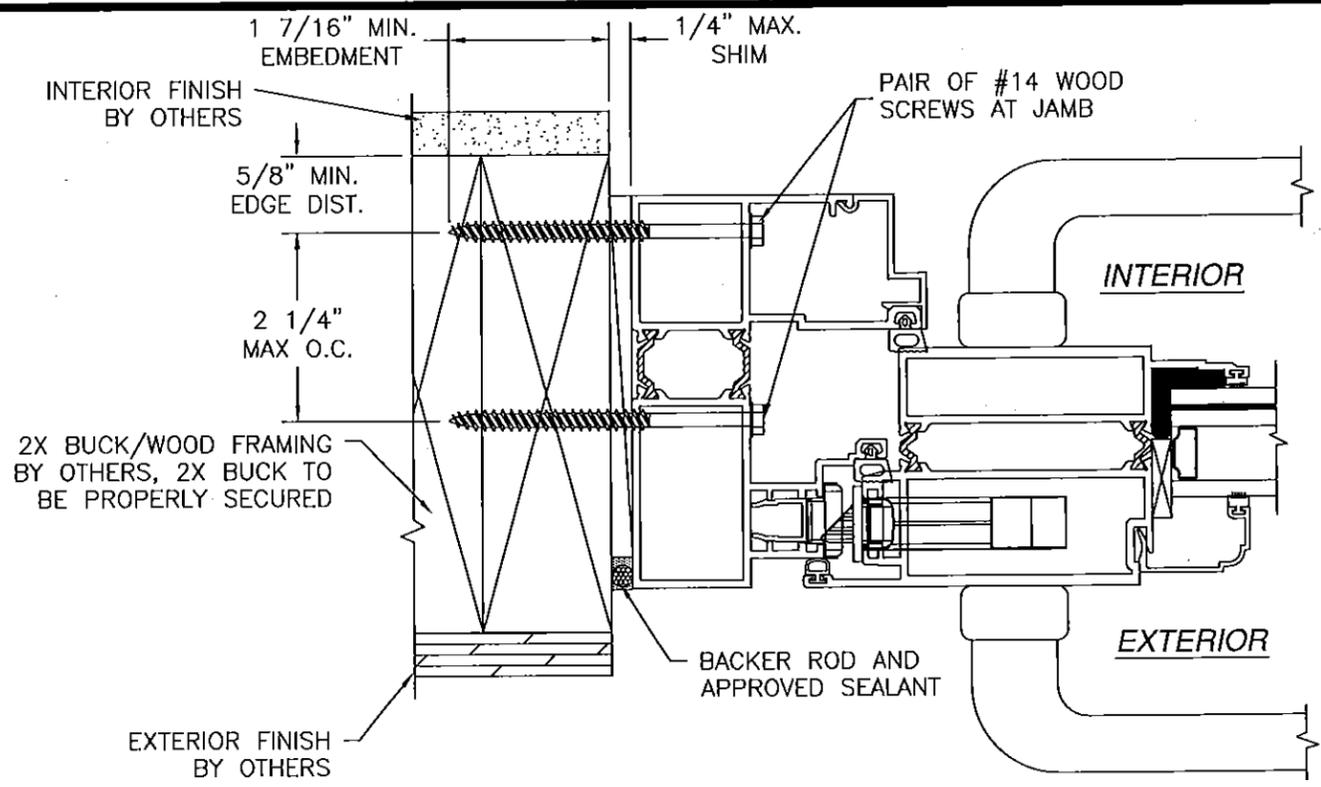
SERIES 9050 THERMALLY BROKEN ALUMINUM
OUTSWING TERRACE DOOR - LMI
INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-01151	REV E
SCALE NTS	DATE 11/09/10	SHEET 9 OF 16

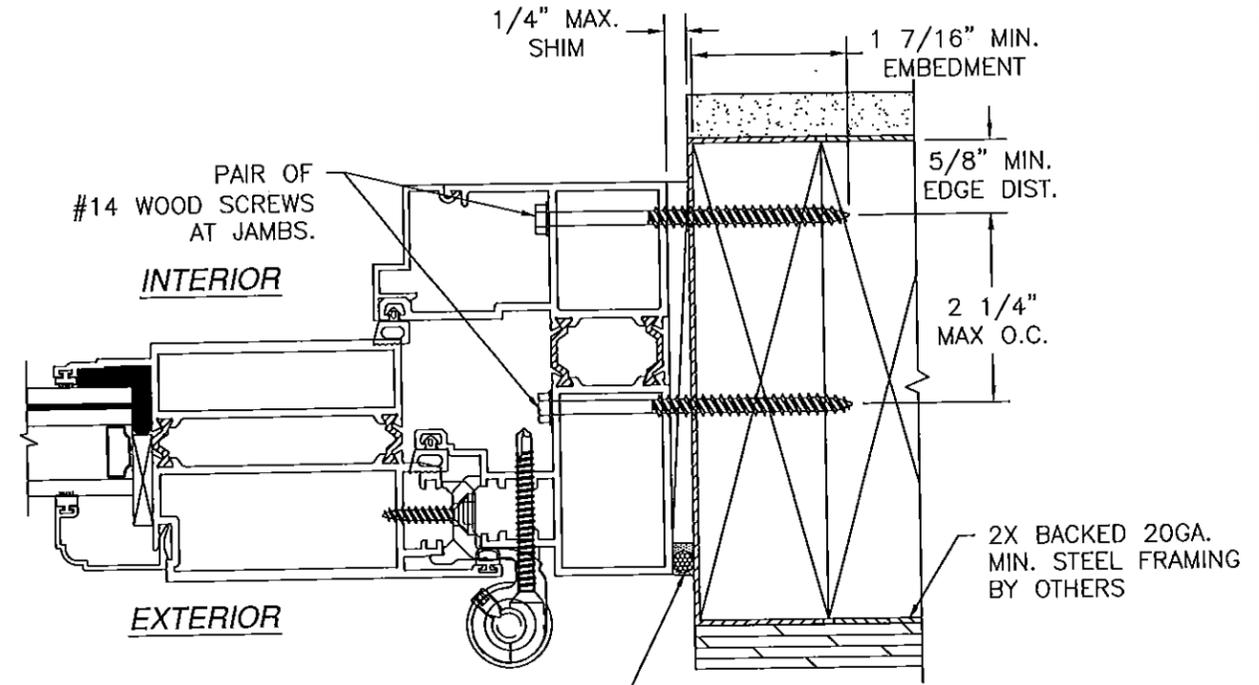
SIGNED: 04/28/2016



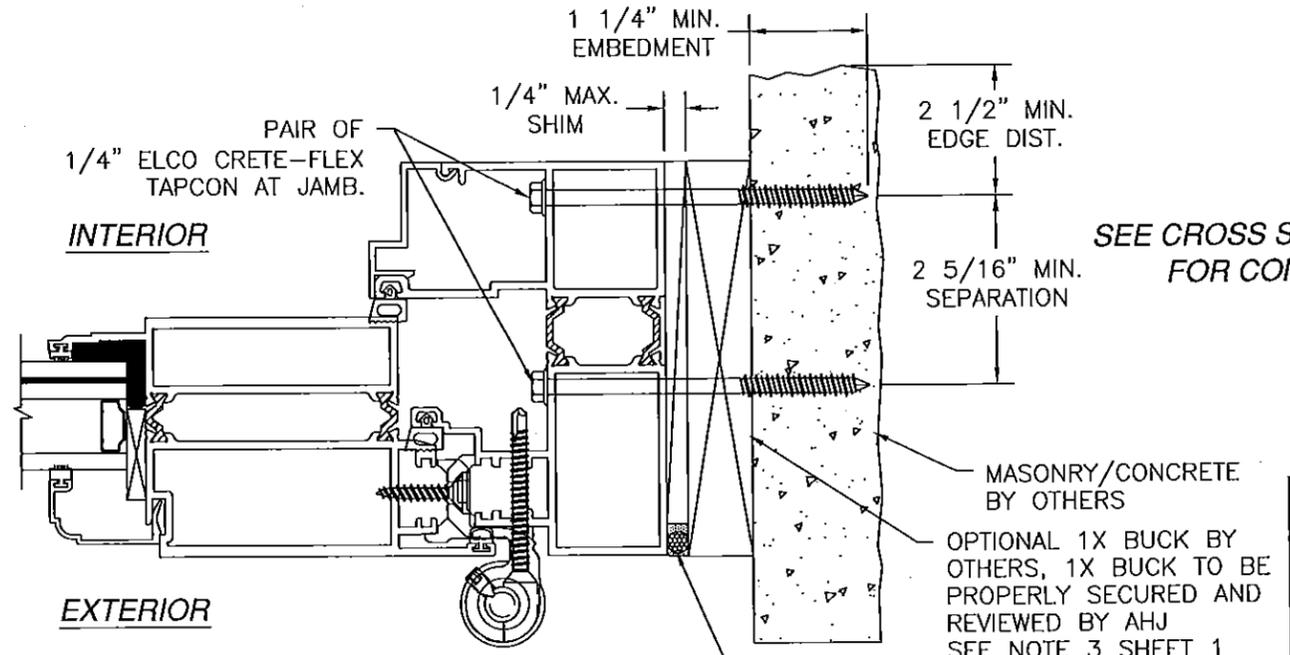
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	REVISED PER 2014 FBC REQUIREMENTS	04/27/16	R.L.



HORIZONTAL CROSS SECTION
2X BUCK/WOOD FRAMING INSTALLATION
 STRIKE JAMB SHOWN
 HINGE JAMB SIMILAR



HORIZONTAL CROSS SECTION
2X BACKED STEEL FRAMING INSTALLATION
 HINGE JAMB SHOWN
 STRIKE JAMB SIMILAR



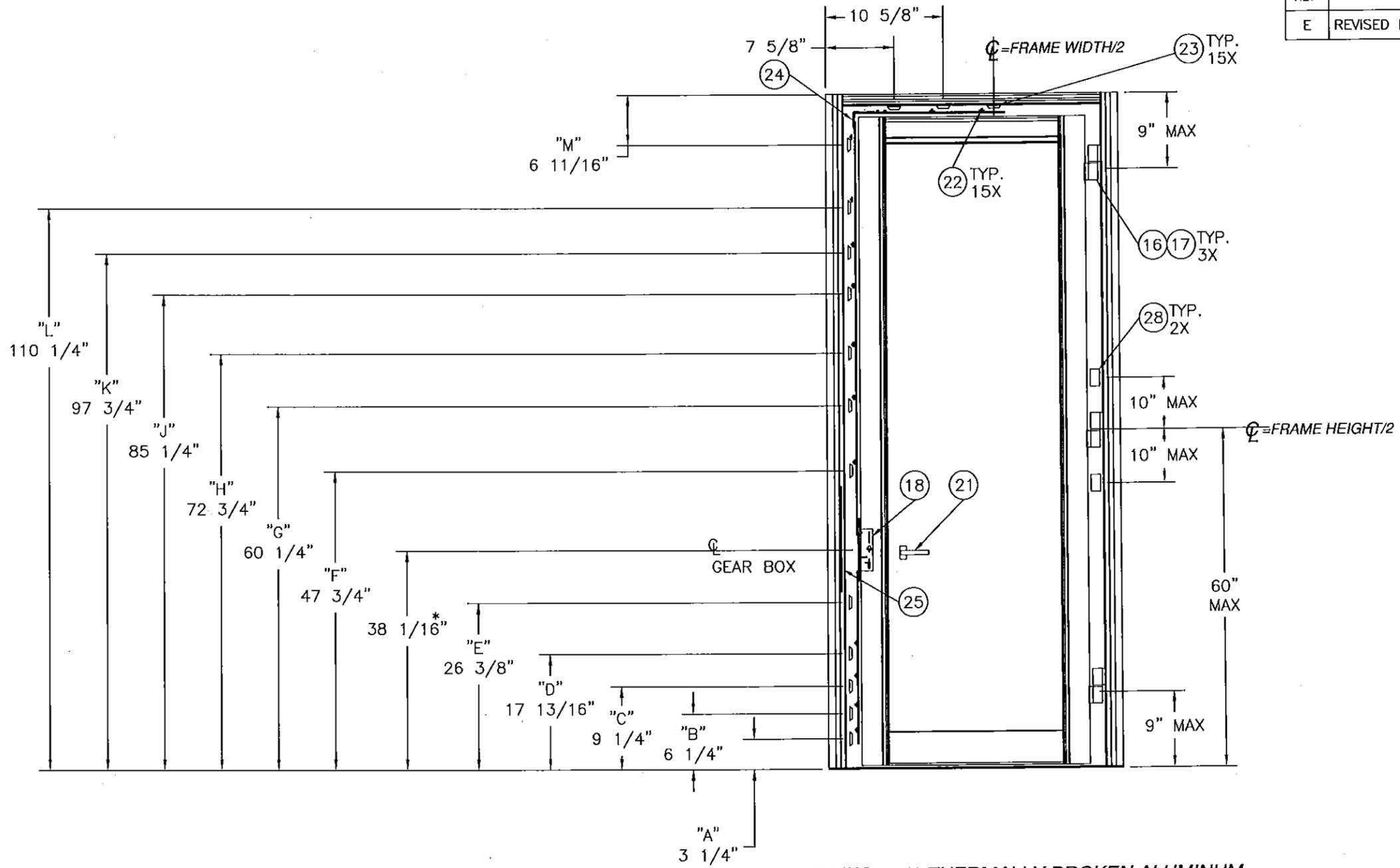
HORIZONTAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION
 HINGE JAMB SHOWN
 STRIKE JAMB SIMILAR

SEE CROSS SECTIONS SHEETS 5 AND 6
 FOR COMPONENT CALLOUTS.

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	SERIES 9050 THERMALLY BROKEN ALUMINUM OUTSWING TERRACE DOOR - LMI INSTALLATION DETAILS	
DRAWN: TJH	DWG NO. 08-01151	REV E
SCALE NTS	DATE 11/09/10	SHEET 10 OF 16

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	REVISED PER 2014 FBC REQUIREMENTS	04/27/16	R.L.



NOTE:
DIMENSIONS MARKED WITH * ARE CENTER OF LEVER ACTIVATED GEAR BOX. ALL OTHER DIMENSIONS ARE CENTER OF KEEPERS.

REQUIRED EUROGROOVE KEEPER LOCATIONS PER DOOR HEIGHT WITH ADA SILL:

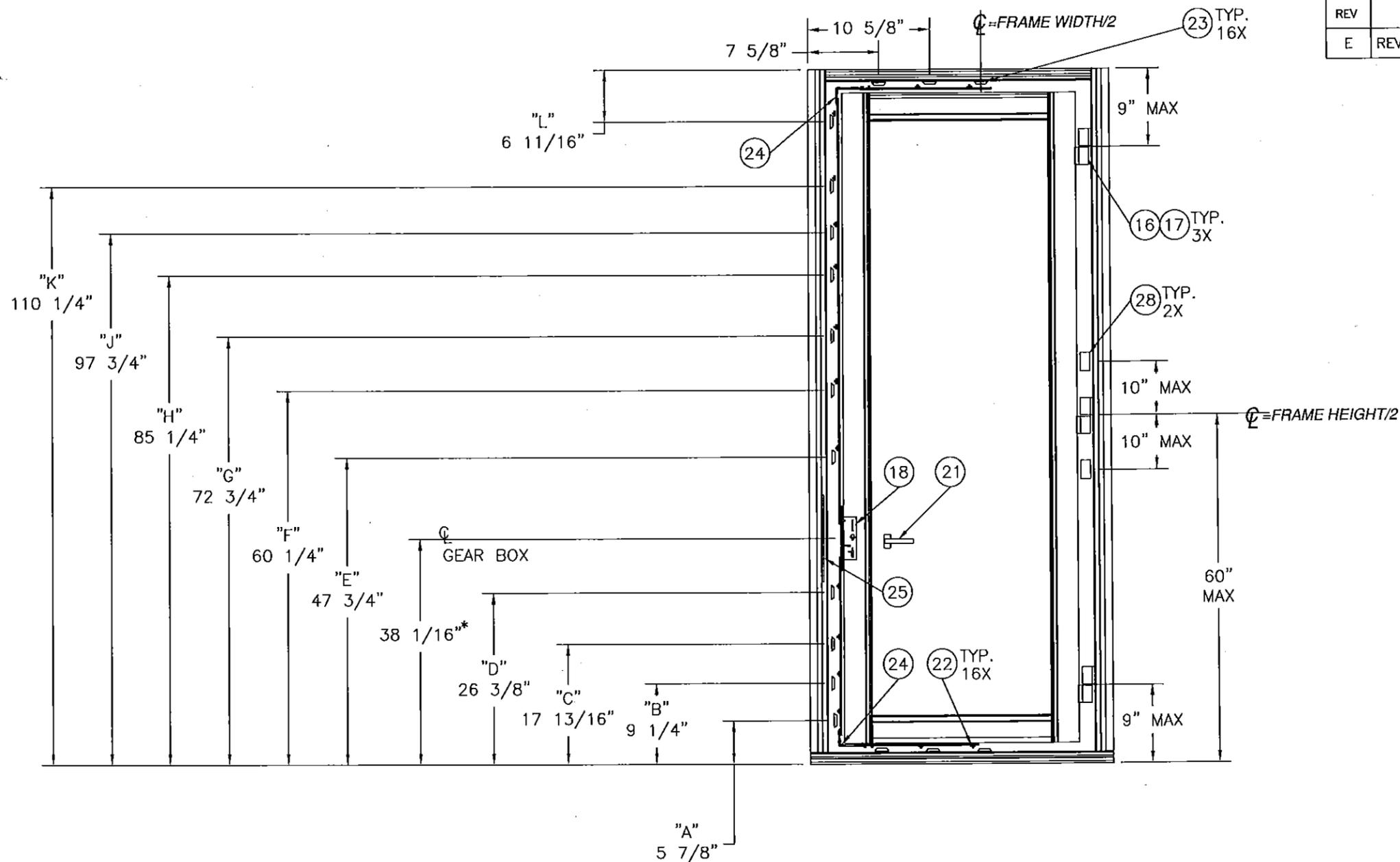
- 80" HIGH = A THRU H AND M
- 84" HIGH = A THRU H AND M
- 96" HIGH = A THRU J AND M
- 108" HIGH = A THRU K AND M
- 120" HIGH = A THRU M

**SERIES 9050 THERMALLY BROKEN ALUMINUM
OUTSWING TERRACE DOOR WITH ADA SILL AND GIESSE HARDWARE**
EXTERIOR VIEW

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	SERIES 9050 THERMALLY BROKEN ALUMINUM OUTSWING TERRACE DOOR - LMI HARDWARE LAYOUT	
DRAWN: TJH	DWG NO. 08-01151	REV E
SCALE NTS	DATE 11/09/10	SHEET 11 OF 16

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NOTE:
DIMENSIONS MARKED WITH * ARE CENTER OF LEVER ACTIVATED GEAR BOX. ALL OTHER DIMENSIONS ARE CENTER OF KEEPERS.

REQUIRED EUROGROOVE KEEPER LOCATION PER DOOR HEIGHT WITH STANDARD SILL:

- 80" HIGH = A THRU G AND L
- 84" HIGH = A THRU G AND L
- 96" HIGH = A THRU H AND L
- 108" HIGH = A THRU J AND L
- 120" HIGH = A THRU L

**SERIES 9050 THERMALLY BROKEN ALUMINUM
OUTSWING TERRACE DOOR WITH STANDARD SILL AND GIESSE HARDWARE**
EXTERIOR VIEW

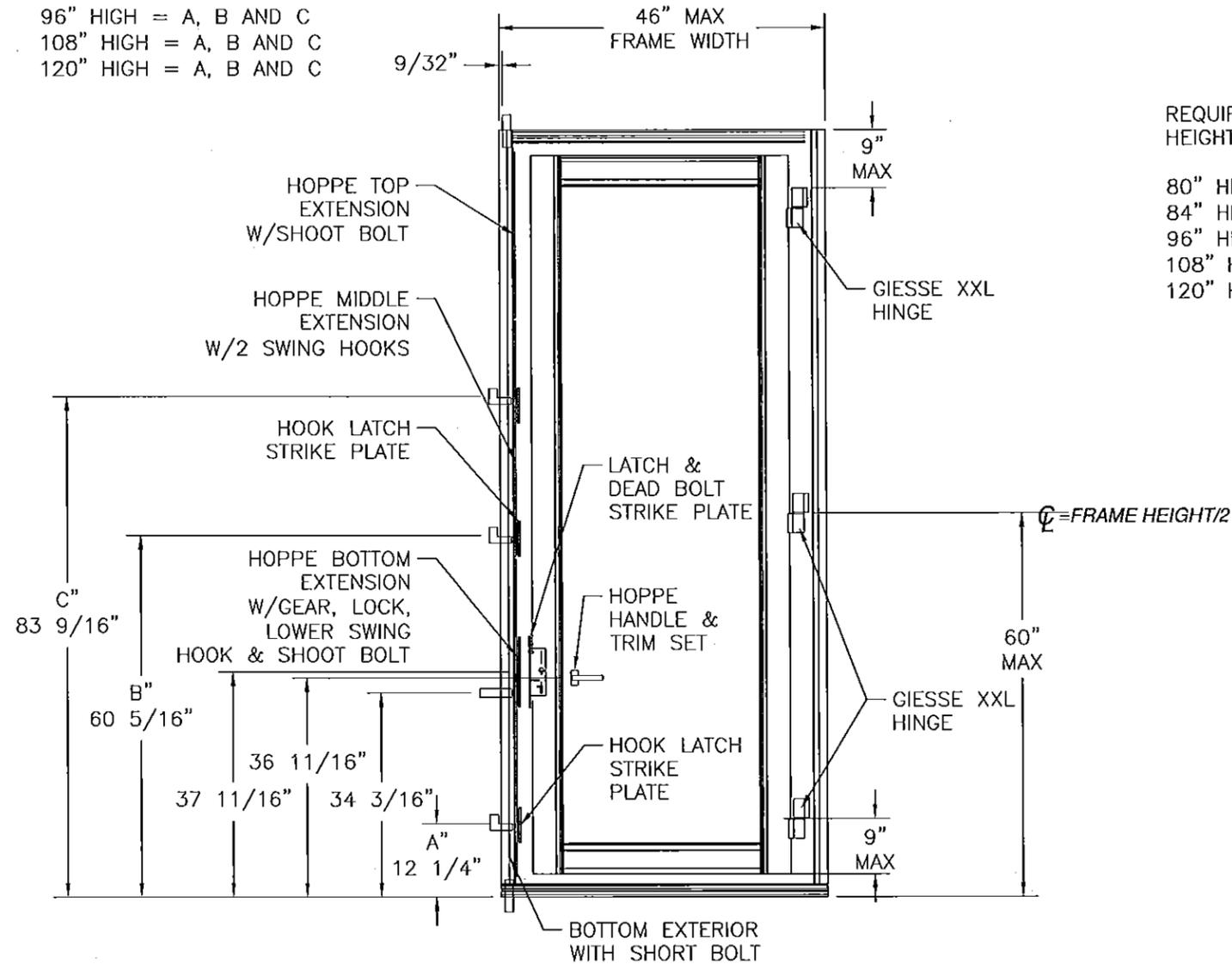
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DRAWN: TJH SCALE NTS	DWG NO. 08-01151 DATE 11/09/10	REV E SHEET 12 OF 16

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	REVISED PER 2014 FBC REQUIREMENTS	04/27/16	R.L.

REQUIRED HOPPE HOOK LOCATION PER DOOR HEIGHT WITH STANDARD SILL:

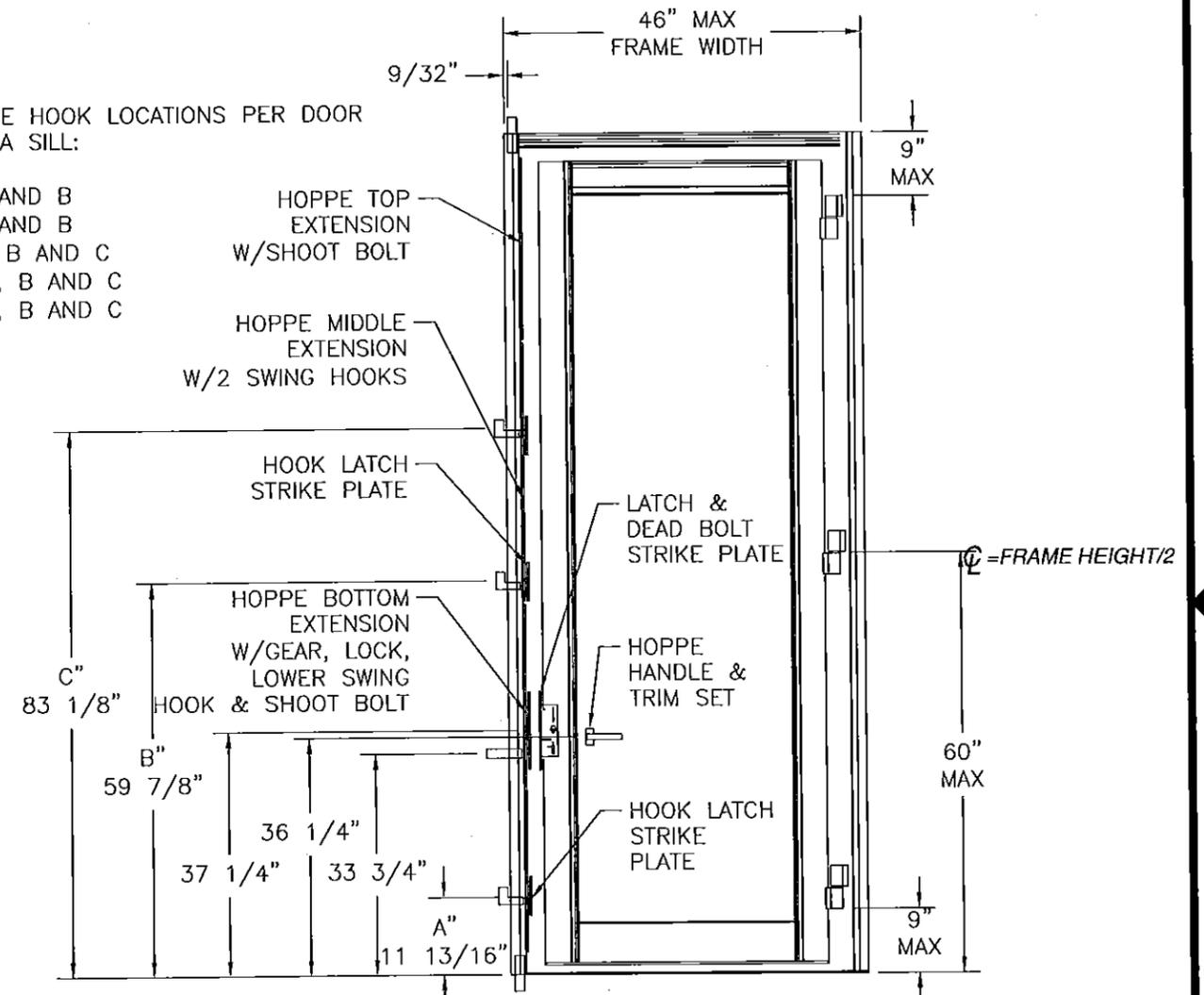
- 80" HIGH = A AND B
- 84" HIGH = A AND B
- 96" HIGH = A, B AND C
- 108" HIGH = A, B AND C
- 120" HIGH = A, B AND C



SERIES 9050 THERMALLY BROKEN ALUMINUM
OUTSWING TERRACE DOOR WITH STANDARD SILL AND HOPPE HARDWARE ITEM 29
 EXTERIOR VIEW

REQUIRED HOPPE HOOK LOCATIONS PER DOOR HEIGHT WITH ADA SILL:

- 80" HIGH = A AND B
- 84" HIGH = A AND B
- 96" HIGH = A, B AND C
- 108" HIGH = A, B AND C
- 120" HIGH = A, B AND C



SERIES 9050 THERMALLY BROKEN ALUMINUM
OUTSWING TERRACE DOOR WITH ADA SILL AND HOPPE HARDWARE ITEM 29
 EXTERIOR VIEW

SIGNED: 04/28/2016

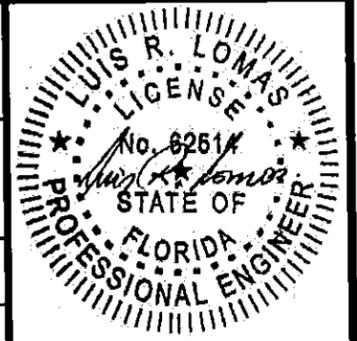
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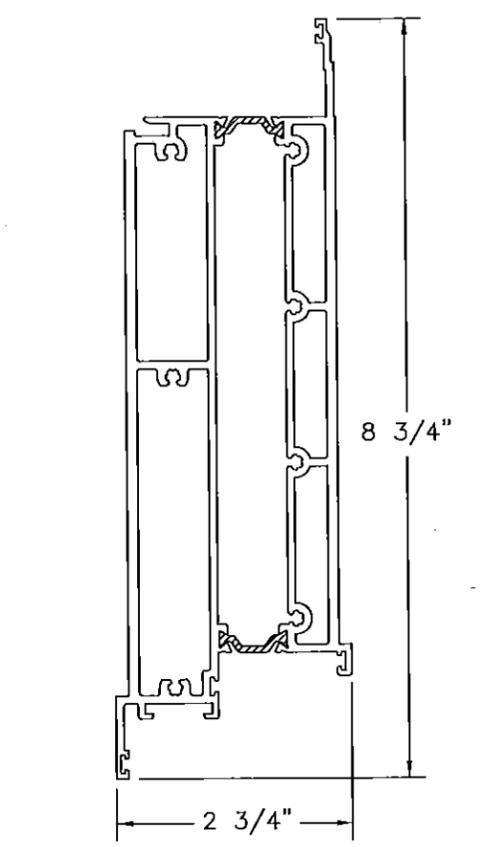
7500 AMSTERDAM DRIVE
 ORLANDO, FL 32832
 Phone: 407.481.8400
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 www.windoorinc.com

SERIES 9050 THERMALLY BROKEN ALUMINUM
 OUTSWING TERRACE DOOR - LMI
 HARDWARE LAYOUTS

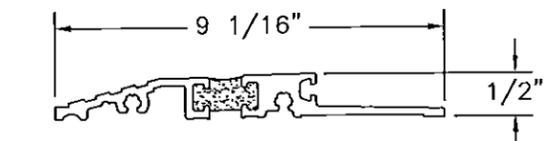
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SCALE NTS	DATE 11/09/10	SHEET 13 OF 16



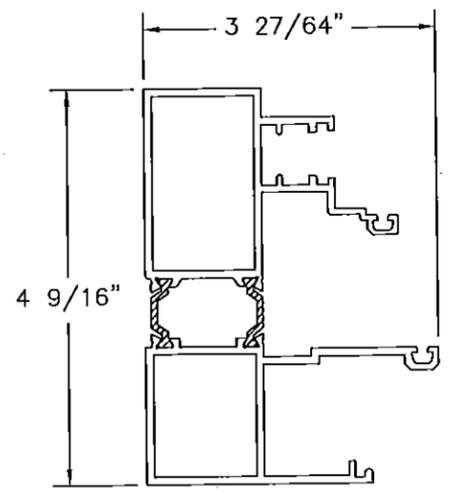
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	REVISED PER 2014 FBC REQUIREMENTS	04/27/16	R.L.



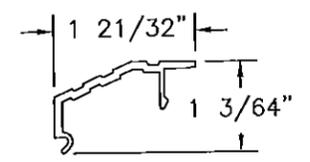
⑧ **TALL BOTTOM RAIL ASSEMBLY**
EXTRUDED ALUMINUM 6063-T6 .090" THICK



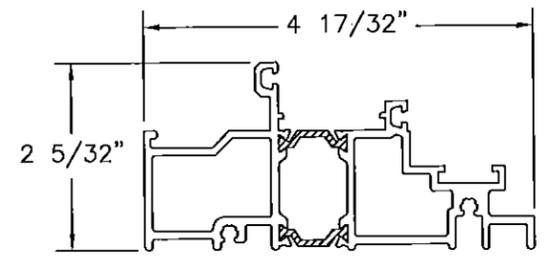
③ **ADA SILL ASSEMBLY**
EXTRUDED ALUMINUM 6063-T6 .090" THICK WITH POUR AND DEBRIDGE THERMAL BREAK



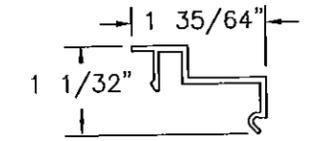
① **FRAME JAMB ASSEMBLY**
EXTRUDED ALUMINUM 6063-T6 .090" THICK



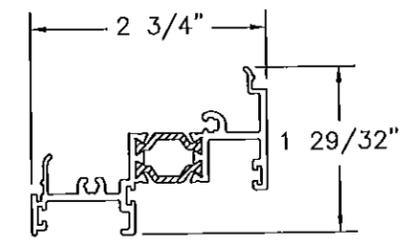
⑬ **STANDARD SILL COVER PLATE**
EXTRUDED ALUMINUM 6063-T6 .090" THICK



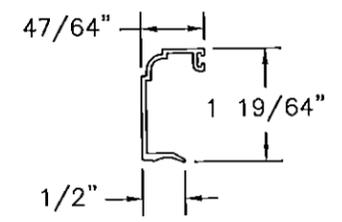
② **FRAME HEAD & STANDARD SILL ASSEMBLY**
EXTRUDED ALUMINUM 6063-T6 .090" THICK



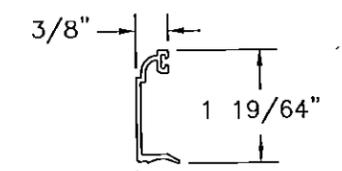
⑫ **JAMB & HEAD COVER PLATE**
EXTRUDED ALUMINUM 6063-T6 .070" THICK



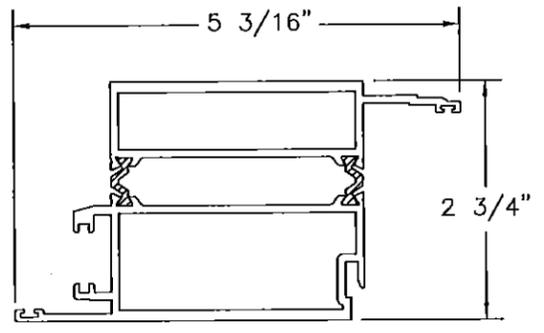
⑩ **ADA BOTTOM RAIL ADAPTER ASSEMBLY**
EXTRUDED ALUMINUM 6063-T6 .080" THICK



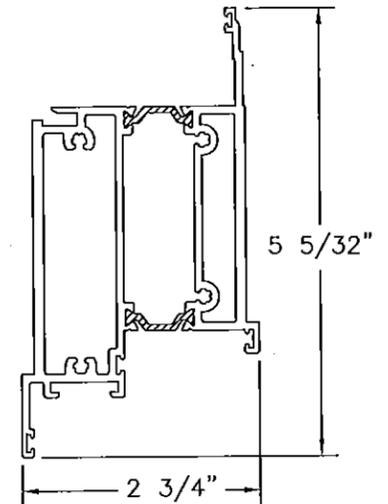
⑭ **GLASS STOP 1.25"**
EXTRUDED ALUMINUM 6063-T6 .050" THICK



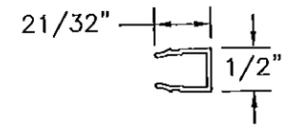
⑧ **GLASS STOP 1.625"**
EXTRUDED ALUMINUM 6063-T6 .050" THICK (TRIPLE GLAZED UNITS)



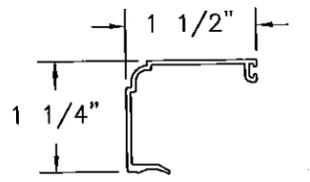
④ **STILE ASSEMBLY**
EXTRUDED ALUMINUM 6063-T6 .090" THICK



⑥ **TOP & BOTTOM RAIL ASSEMBLY**
EXTRUDED ALUMINUM 6063-T6 .090" THICK



⑪ **EURO FRAME GROOVE COVER**
EXTRUDED ALUMINUM 6063-T6 .050" THICK

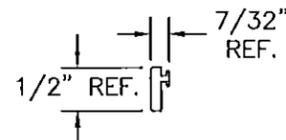


⑨ **GLAZING STOP 9/16"**
ALUMINUM 6063-T6 .050" THICK

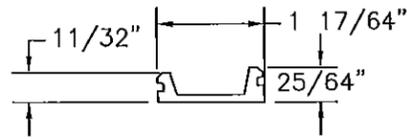
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DRAWN: TJH SCALE NTS	DWG NO. 08-01151 DATE 11/09/10	REV E SHEET 14 OF 16

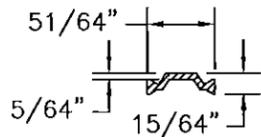
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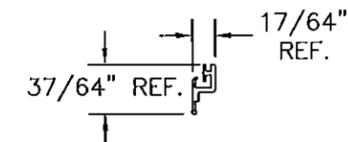
④① **FILLER STRIP**
PVC 92 DUROMETER



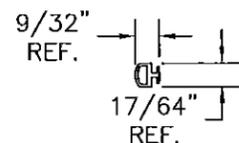
③⑨ **STRUT COVER OS**
EXTRUDED ALUMINUM 6063-T6 .090" THICK



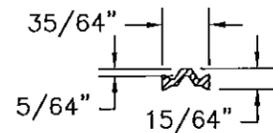
⑦ **20mm STRUT**
POLYIMIDE 66
TENSILE STRENGTH 10,390 PSI



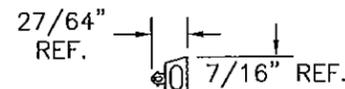
④⑦ **FLEX COEX
BOTTOM SWEEP**
RIGID PVC .050" THICK



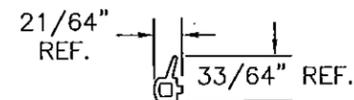
③⑤ **STILE & RAIL FLANGE
WEATHERSTRIP**



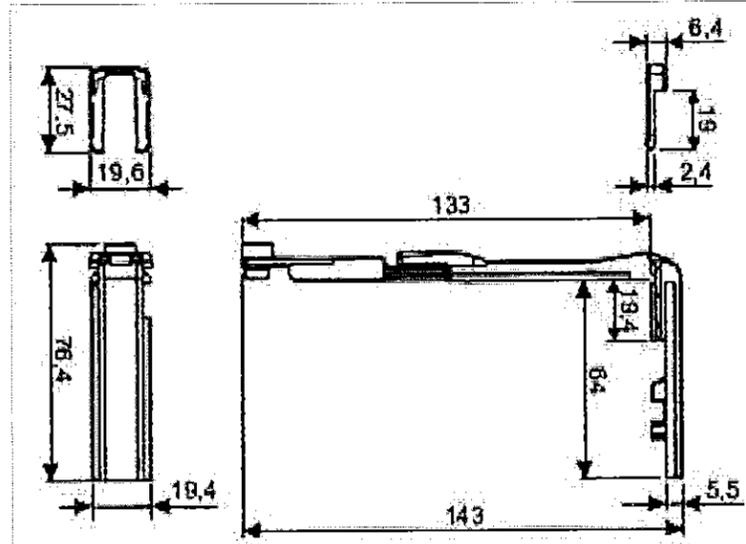
⑥ **14mm STRUT**
POLYIMIDE 66
TENSILE STRENGTH MIN.: 10,390 PSI



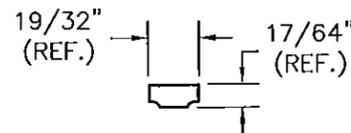
③⑦ **SPONGE SEAL**
EDPM



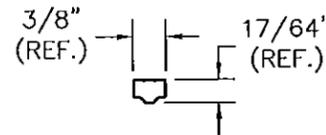
③⑥ **TOP & BOTTOM
RAIL WEATHERSTRIP**



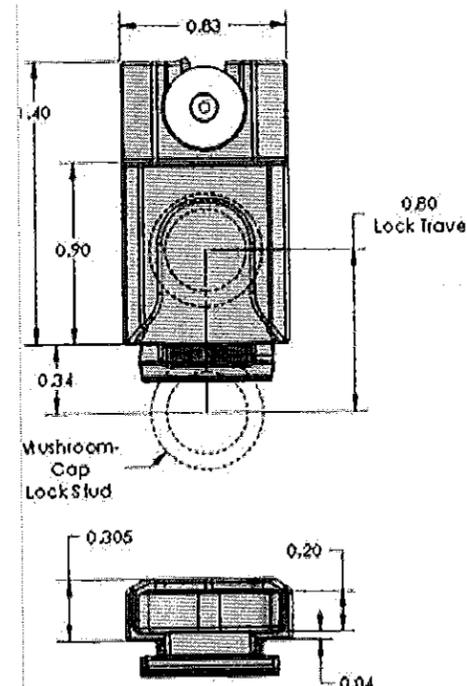
②④ **CORNER DRIVE**



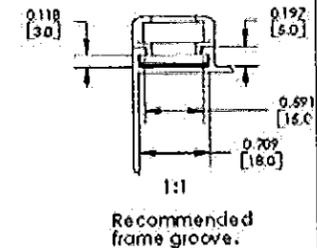
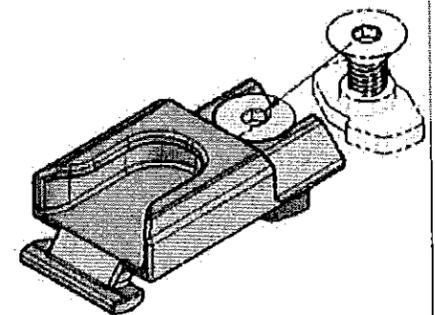
SINGLE IGU AIR SPACER
ALUMINUM ALLOY .015" THICK
BY HELIMA



DOUBLE IGU AIR SPACER
ALUMINUM ALLOY .015" THICK
BY HELIMA



②③ **EUROGROOVE KEEPERS**



SIGNED: 04/28/2016

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **15-0728.02**
Expiration Date **08/25/2017**
By *[Signature]*
Miami-Dade Product Control

WinDoor
INCORPORATED

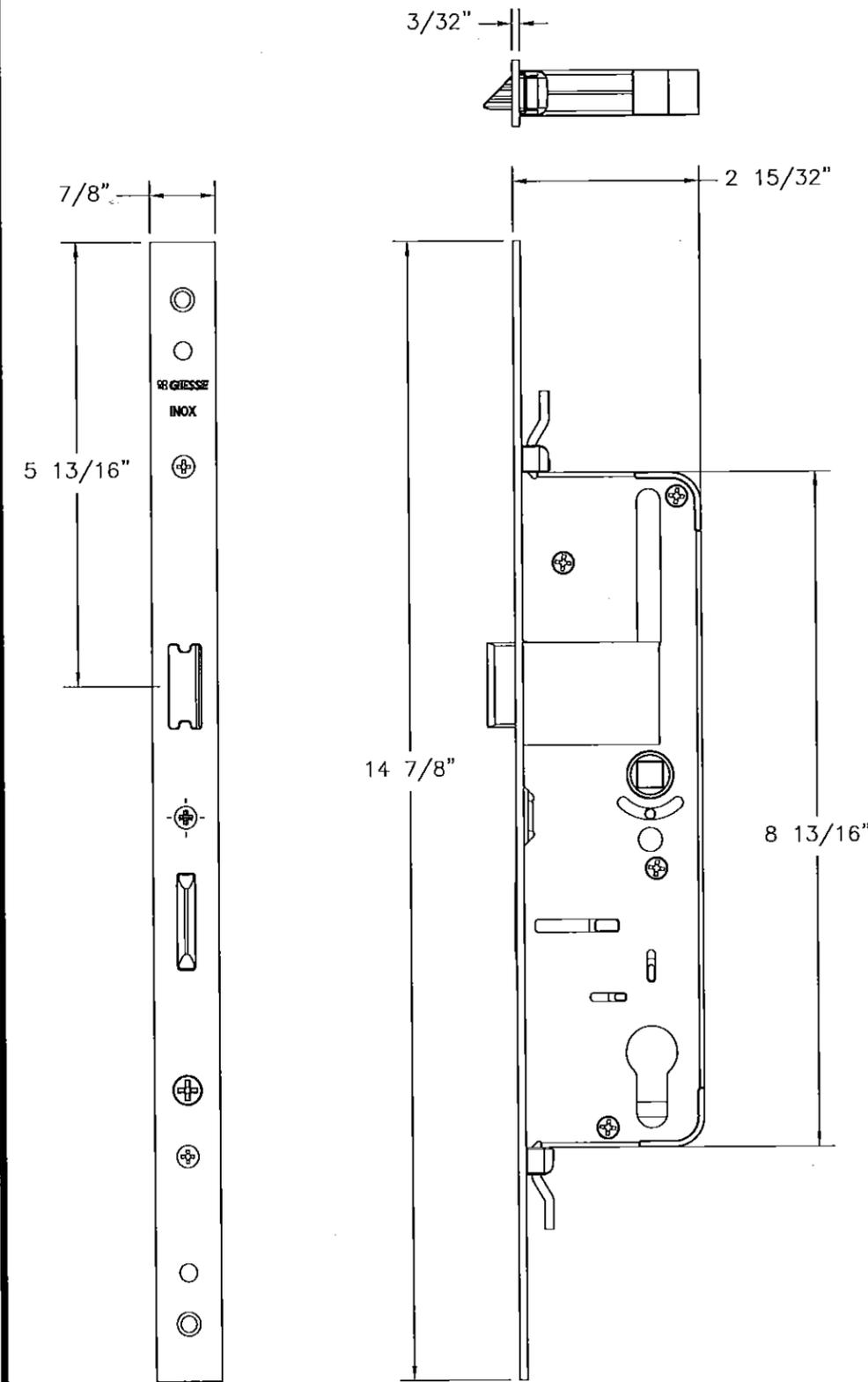
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

SERIES 9050 THERMALLY BROKEN ALUMINUM
OUTSWING TERRACE DOOR - LMI
COMPONENTS

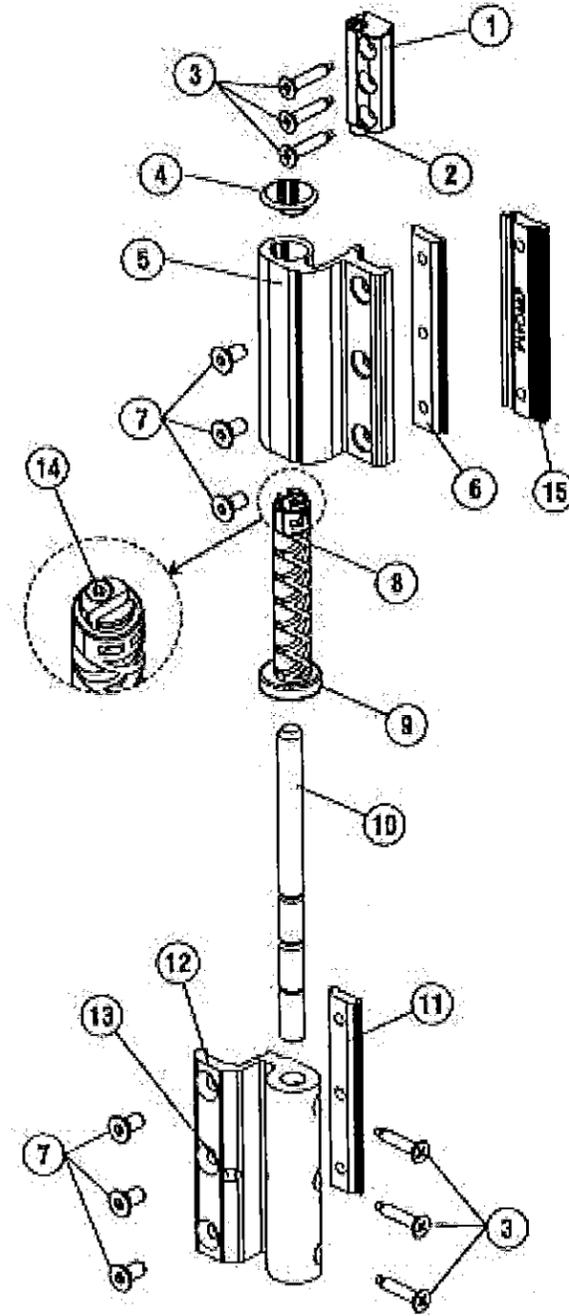
DRAWN: TJH	DWG NO. 08-01151	REV E
SCALE NTS	DATE 11/09/10	SHEET 15 OF 16



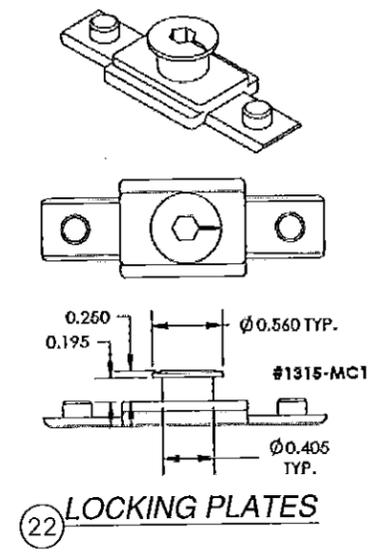
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	REVISED PER 2014 FBC REQUIREMENTS	04/27/16	R.L.



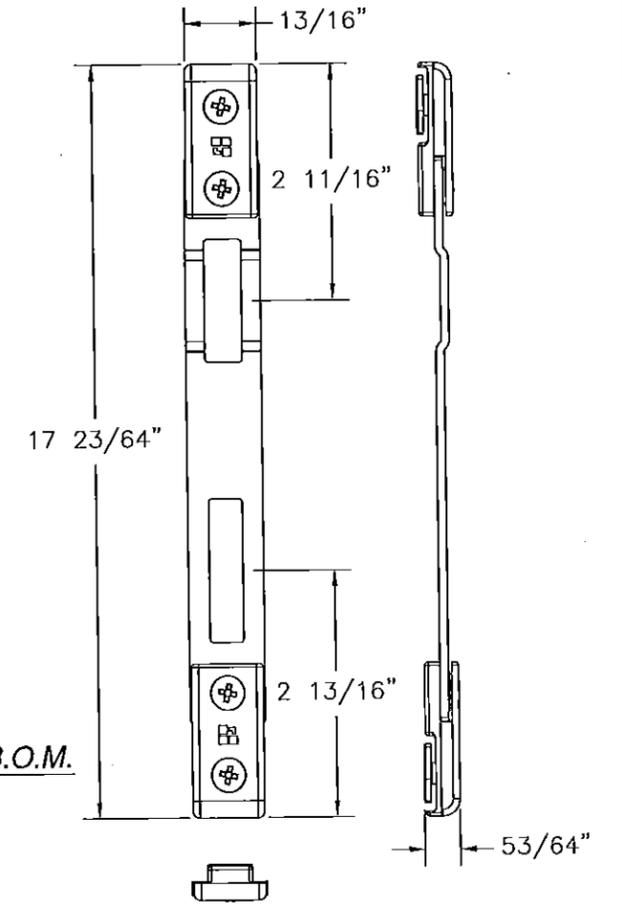
18 LEVEL ACTIVATED GEAR BOX



16 FLASH XXL GIESSE DOOR HINGE



22 LOCKING PLATES



25 STRIKE PLATE

OUTSWING DOOR GIESSE HINGE B.O.M.

1. HEIGHT ADJUSTMENT PLATE
2. GRUB SCREW FOR WING RAISING
3. #10 x 2" TEK SCREW
4. CAP
5. FM HINGE PART
6. FIXING PLATE FOR FM HINGE
7. FIXING SCREWS M6 x 12
8. ECCENTRIC BUSHING
9. BEARING
10. PIN
11. PLATE FOR MX HINGE FIXING
12. MX HINGE PART
13. GRUB SCREW FOR PIN LOCKING
14. GRUB SCREW FOR BUSHING BLOCKING
15. PRELOAD PLATE

SIGNED: 04/28/2016

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WinDoor 7500 AMSTERDAM DRIVE
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SERIES 9050 THERMALLY BROKEN ALUMINUM
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