



MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
 (305) 375-2901 FAX (305) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

WinDoor, Inc.
7500 Amsterdam Drive
Orlando, FL 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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 1000 Aluminum Fixed Window - S.M.I.

APPROVAL DOCUMENT: Drawing No. **WIND0075**, titled "Series 1000 Fixed Window Small Missile Elevations and General Notes", sheets 1 through 8 of 8, prepared by WinDoor, Inc, dated 10/28/05, with revision B dated 11/26/08, 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 Division.

MISSILE IMPACT RATING: Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

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.

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 NOA # **05-1114.07** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



[Handwritten Signature]
 2/18/09

NOA No. 08-1010.12
Expiration Date: June 22, 2011
Approval Date: March 11, 2009
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **WIND0075**, titled "Series 1000 Fixed Window Small Missile Elevations and General Notes", sheets 1 through 8 of 8, prepared by WinDoor, Inc, dated 10/28/05, with revision B dated 11/26/08, 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) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum window wall system, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-210-2971-2**, dated 03/03/04 and re-issued on 07/20/05, signed and sealed by Gerald J. Ferrara, P.E.
"Submitted under NOA # 05-1114.07"

C. CALCULATIONS

1. Anchor verification calculations, complying with FBC-2007, prepared by WinDoor, Inc, dated 06/02/08, signed and sealed by Luis R. Lomas, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **08-0206.01** issued to Solutia Inc. for their "**Saflex PVB Interlayer**" dated 04/17/08, expiring on 04/14/13.

F. STATEMENTS

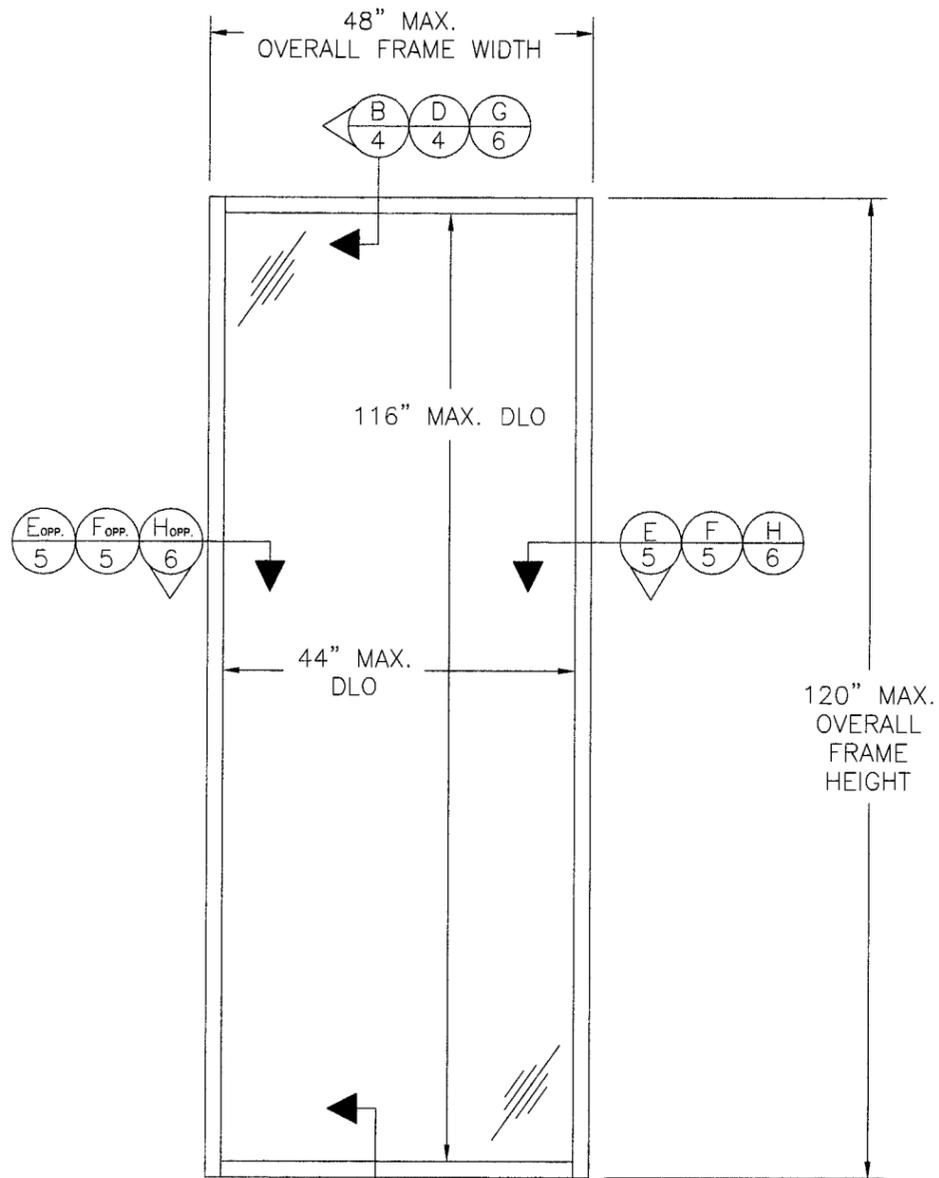
1. Statement letter of code conformance and no financial interest, dated 09/22/08, signed and sealed by Luis R. Lomas, P.E.

G. OTHER

1. Notice of Acceptance No. **05-1114.07**, issued to WinDoor, Inc, for their Series 1000 Aluminum Fixed Window – S.M.I, approved on 06/22/06 and expiring on 06/22/11.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 08-1010.12
Expiration Date: June 22, 2011
Approval Date: March 11, 2009



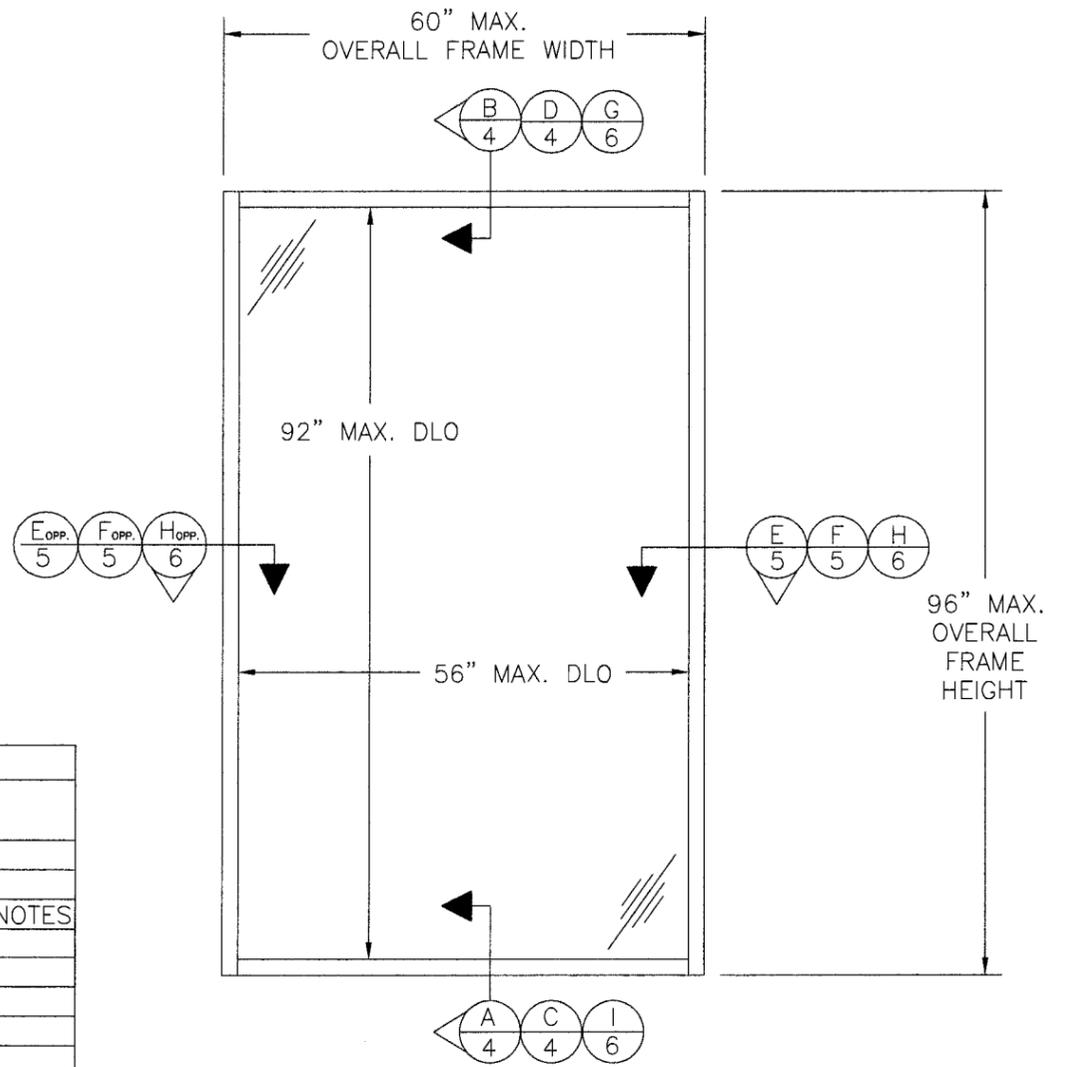
SERIES 1000 FIXED WINDOW SMALL MISSILE
EXTERIOR ELEVATION

TABLE OF CONTENTS	
DRAWING NUMBER	DESCRIPTION
1	ELEVATIONS & GENERAL NOTES
2	DESIGN PRESSURE CHARTS
3	ANCHORING ELEVATIONS & INSTALLATION NOTES
4	VERTICAL CROSS SECTIONS
5	HORIZONTAL CROSS SECTIONS
6	STEEL STUD CROSS SECTIONS
7	GLAZING DETAILS
8	BOM & COMPONENTS

GENERAL NOTES:

- 1) THE PRODUCT SHOWN HEREIN COMPLIES WITH REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE INCLUDING THE HVHZ.
- 2) WOOD BUCK OR STUD FRAMING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE, BUCK OR FRAMING IS RESPONSIBILITY OF ARCHITECT OF RECORD.
- 3) PRODUCTS ARE APPROVED FOR USE WHERE SMALL MISSILE IMPACT RESISTANCE IS REQUIRED. IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED, FOR INSTALLATION OF THIS PRODUCT 30' OR MORE ABOVE GROUND LEVEL.
- 4) FOR DESIGN PRESSURE CAPACITIES, SEE SHEETS 2.
- 5) ALLOWABLE STRESS INCREASE OF 1/3, WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN.

SHEET	REV	DESCRIPTION	DATE	BY
1-8	B	REVISED PER DADE LETTER DATED NOV. 10, 2008	11/26/08	TJH
1-8	A	General revision and update to current building code	07/31/08	DRL
REVISIONS				

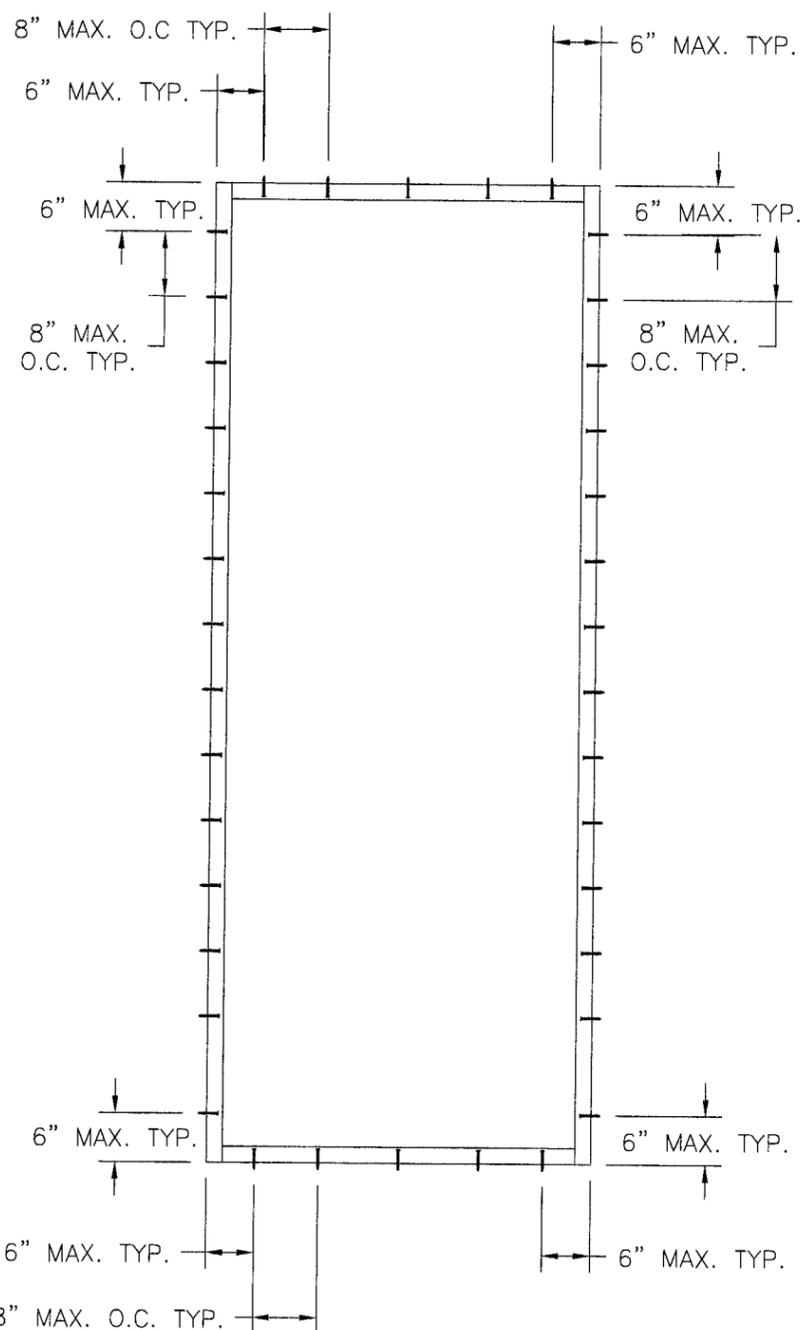


SERIES 1000 FIXED WINDOW SMALL MISSILE
EXTERIOR ELEVATION

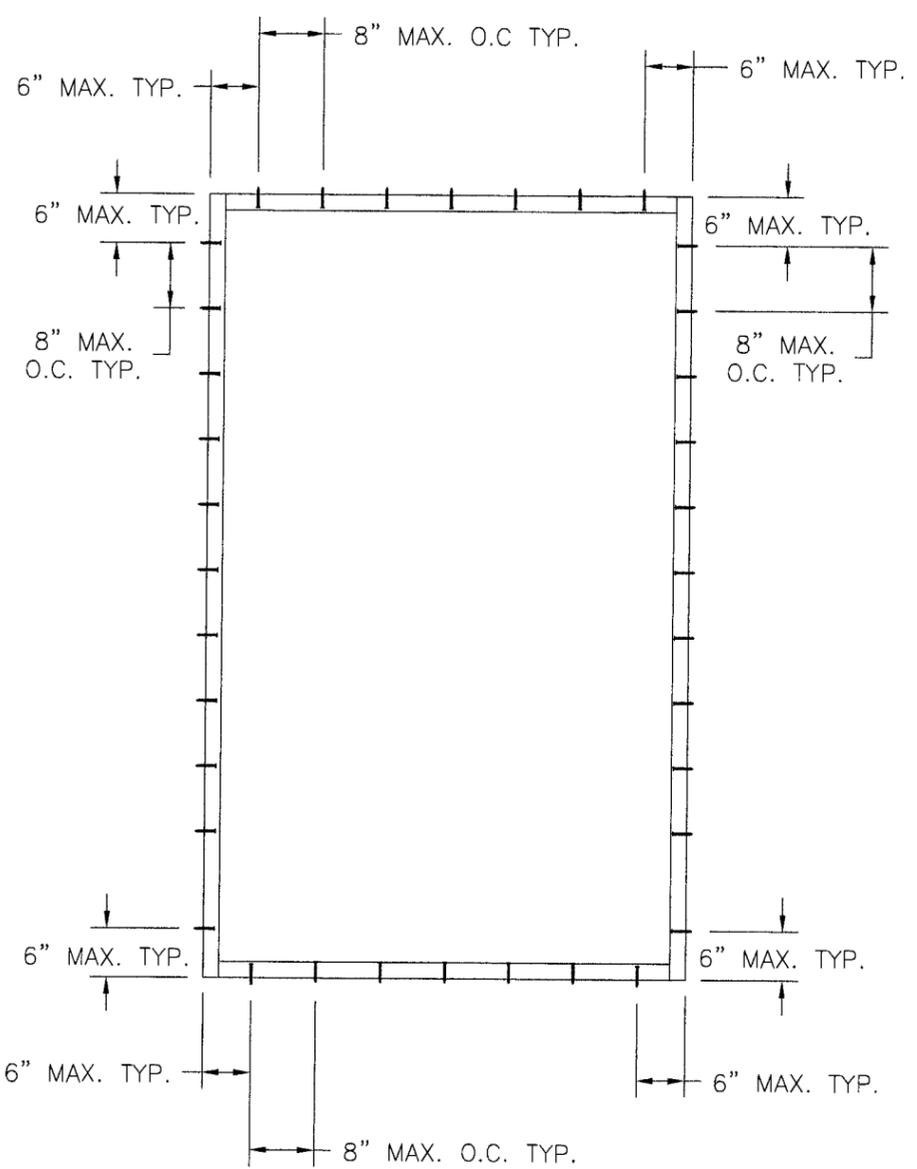
PRODUCT REVISED
as complying with the Florida
Building Code
Assessment No. 08-1010.12
Expiration Date 06/22/2011
By: *[Signature]*
Miami Dade Product Control
Division

LUIS R. LOMAS P.E. <i>[Signature]</i> 2/8/09		WinDoor INCORPORATED		7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com	
Dwg Title: SERIES 1000 FIXED WINDOW SMALL MISSILE ELEVATIONS AND GENERAL NOTES					
SIZE	Drn By:	DWG NO.	REV		
B	JVS	WIND0075	B		
SCALE	DATE:	SHEET	1 OF 8		
N.T.S.	10/28/05				

FLORIDA REGISTRATION
NO. 62514



SERIES 1000 FIXED WINDOW SMALL MISSILE
ANCHOR ELEVATION



SERIES 1000 FIXED WINDOW SMALL MISSILE
ANCHOR ELEVATION

INSTALLATION NOTES:

- 1) SHIM AS REQUIRED AT EACH SET OF INSTALLATION ANCHORS USING LOAD BEARING SHIMS, FROM FRONT EDGE TO BACK EDGE TO FULLY SUPPORT FRAME. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE A SPACE GREATER THAN 1/16" IS PRESENT.
- 2) USE BACKER ROD AND SEALANT BETWEEN SHIM LOCATIONS.
- 3) ONE (1) ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- 4) ALL WINDOWS SMALLER THAN SHOWN WILL HAVE ANCHORS LOCATED 6" MAXIMUM FROM CORNERS EACH WAY AND 8" ON CENTER MAXIMUM ON ALL SIDES.
- 5) USE 1/4" DIAMETER ELCO CRETE-FLEX SS4 TYPE MASONRY SCREW ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4" MINIMUM EMBEDMENT, WITH A 1 3/4" MINIMUM EDGE DISTANCE INTO CONCRETE OR MASONRY SUBSTRATE WHERE ONE BY NON-STRUCTURAL WOOD BACKING IS EMPLOYED.
- 6) USE #14 CUT THREAD WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2" MINIMUM EMBEDMENT INTO WOOD FRAMING SUBSTRATE.
- 7) USE #14 CUT THREAD WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2" MINIMUM EMBEDMENT INTO WOOD BACKED STEEL STUD.
- 8) USE #10 X 1 1/4" TEK SCREW IN GLASS STOP 4" FROM CORNERS AND 8" ON CENTER MAXIMUM THEREAFTER.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 08-1010-17
 Expiration Date 06/22/2011
 By [Signature]
 Miami Dade Product Control
 Division

SHEET	REV	DESCRIPTION	DATE	BY
1-8	B	REVISED PER DADE LETTER DATED NOV. 10, 2008	11/26/08	TJH
1	A	General revision and update to current building code	07/31/08	DRL

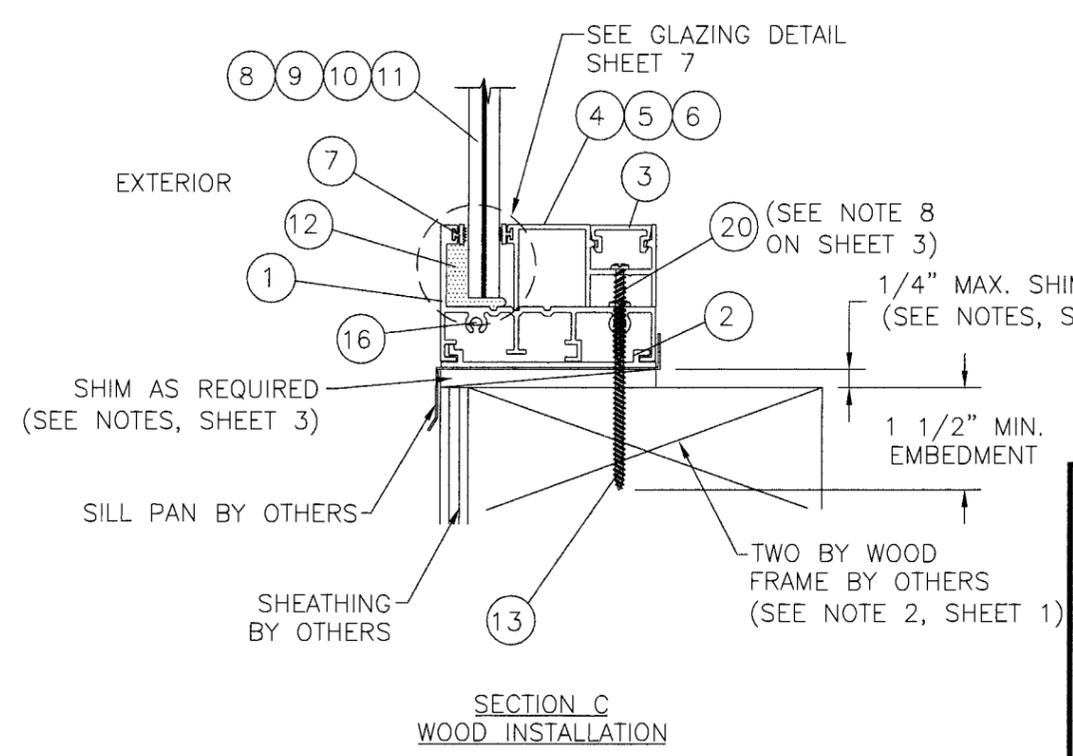
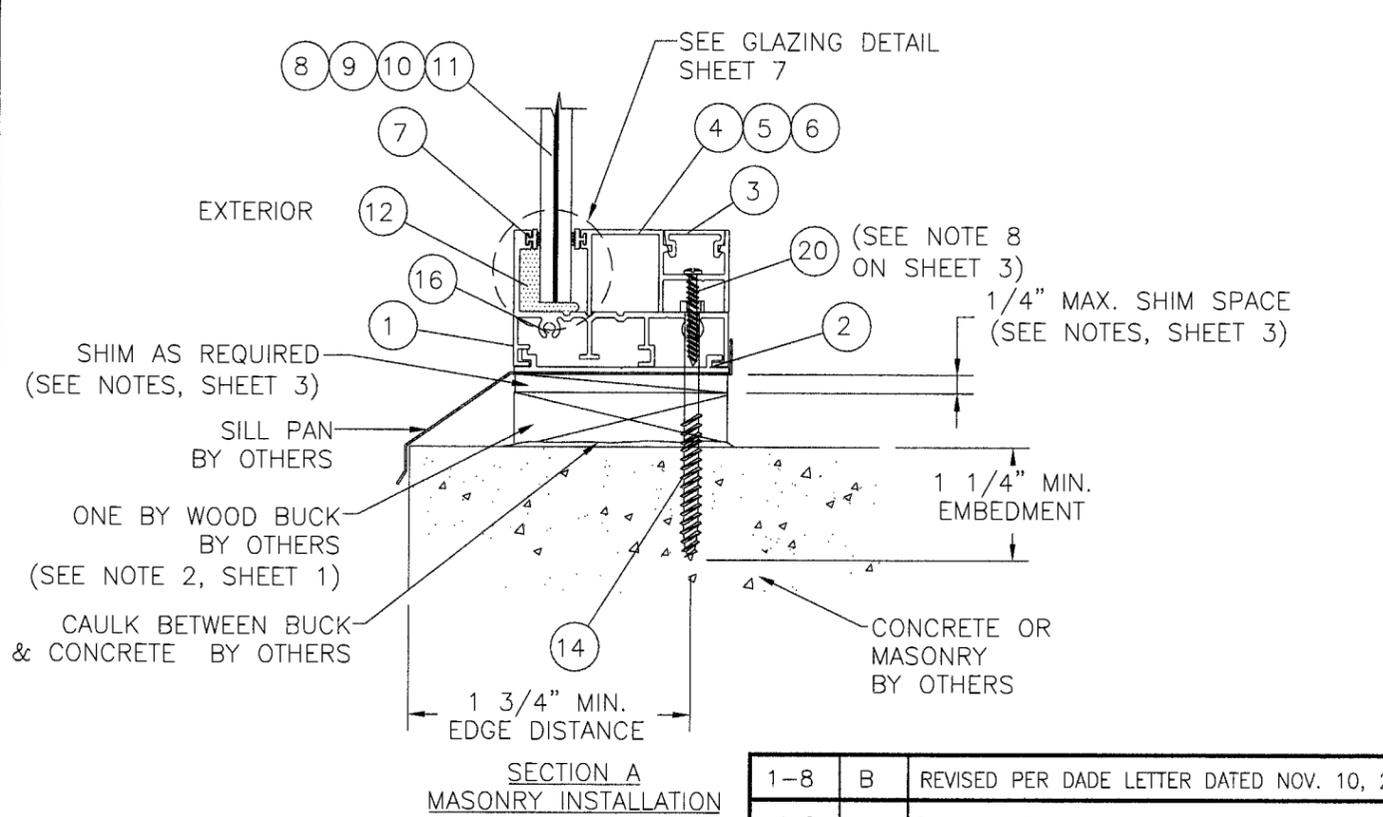
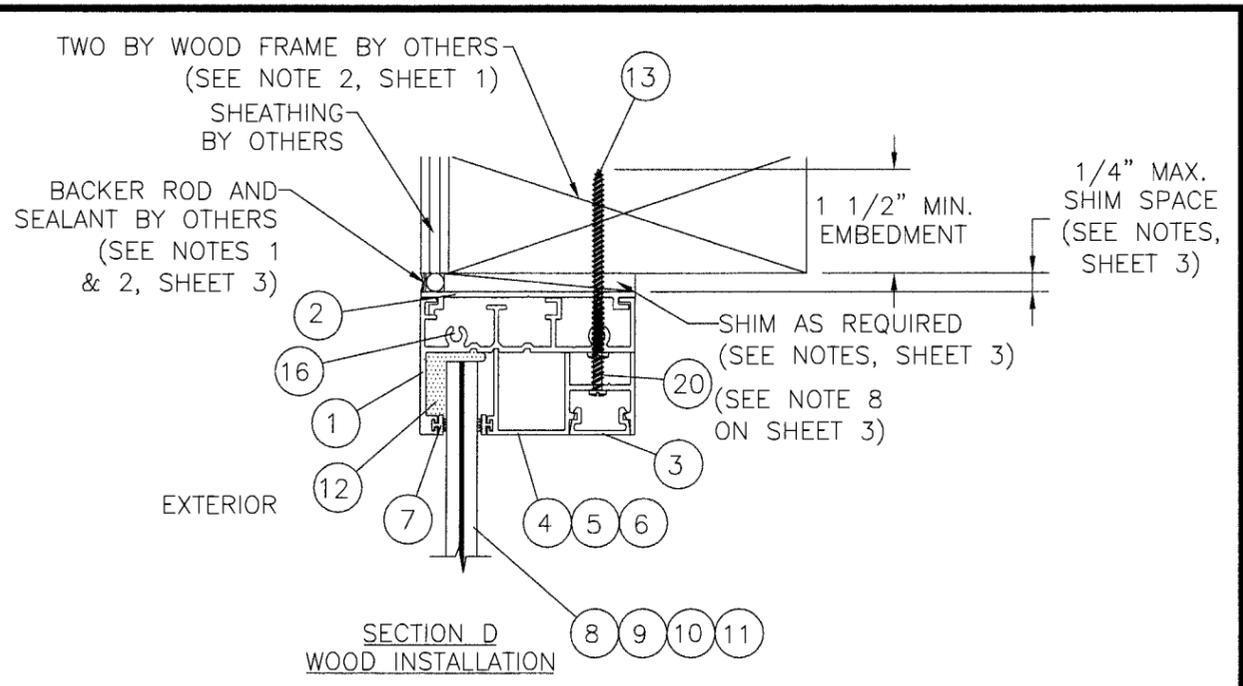
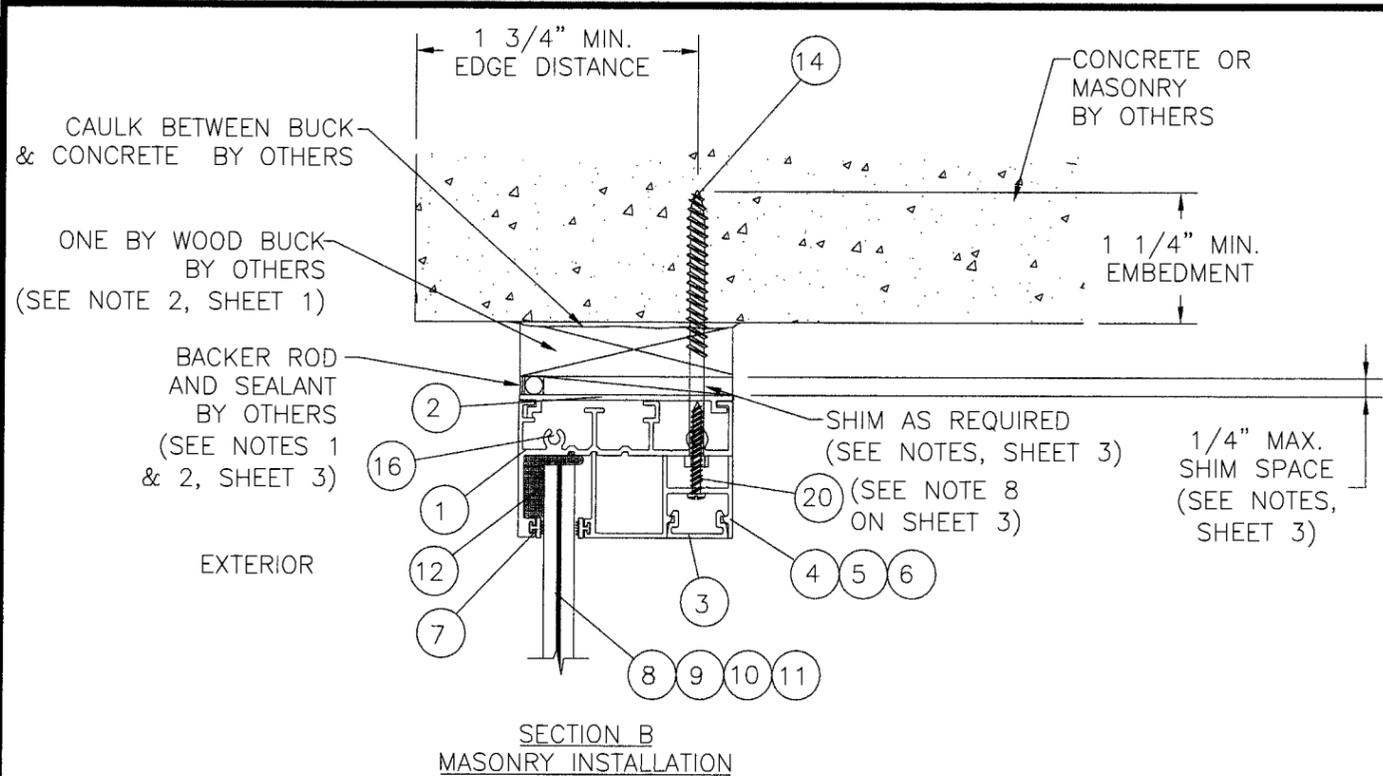
LUIS R. LOMAS P.E.
[Signature]
 4/8/09
 FLORIDA REGISTRATION
 NO. 62514

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

Dwg Title: SERIES 1000 FIXED WINDOW SMALL MISSILE ANCHORING ELEVATIONS AND INSTALLATION NOTES

SIZE	Drn By:	DWG NO.	REV
B	JVS	WIND0075	B

SCALE N.T.S. DATE: 10/26/05 SHEET 3 OF 8



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 08-1010-12
 Expiration Date 06/22/2011
 By *[Signature]*
 Miami Dade Product Control
 Division

SHEET	REV	DESCRIPTION	DATE	BY
1-8	B	REVISED PER DADE LETTER DATED NOV. 10, 2008	11/26/08	TJH
1-8	A	General revision update to current building code	07/31/08	DRL
REVISIONS				

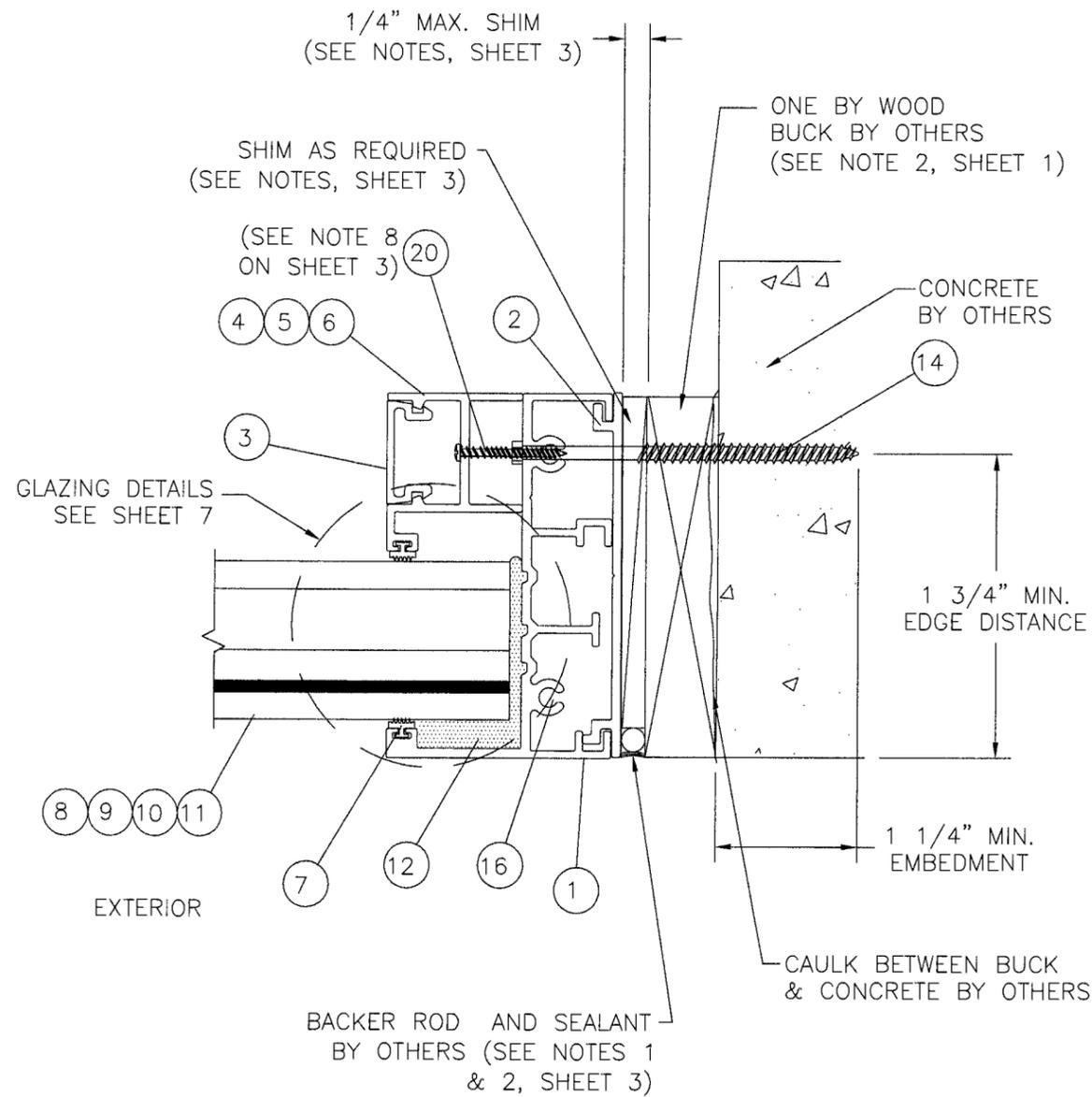
LUIS R. LOMAS P.E.
[Signature]
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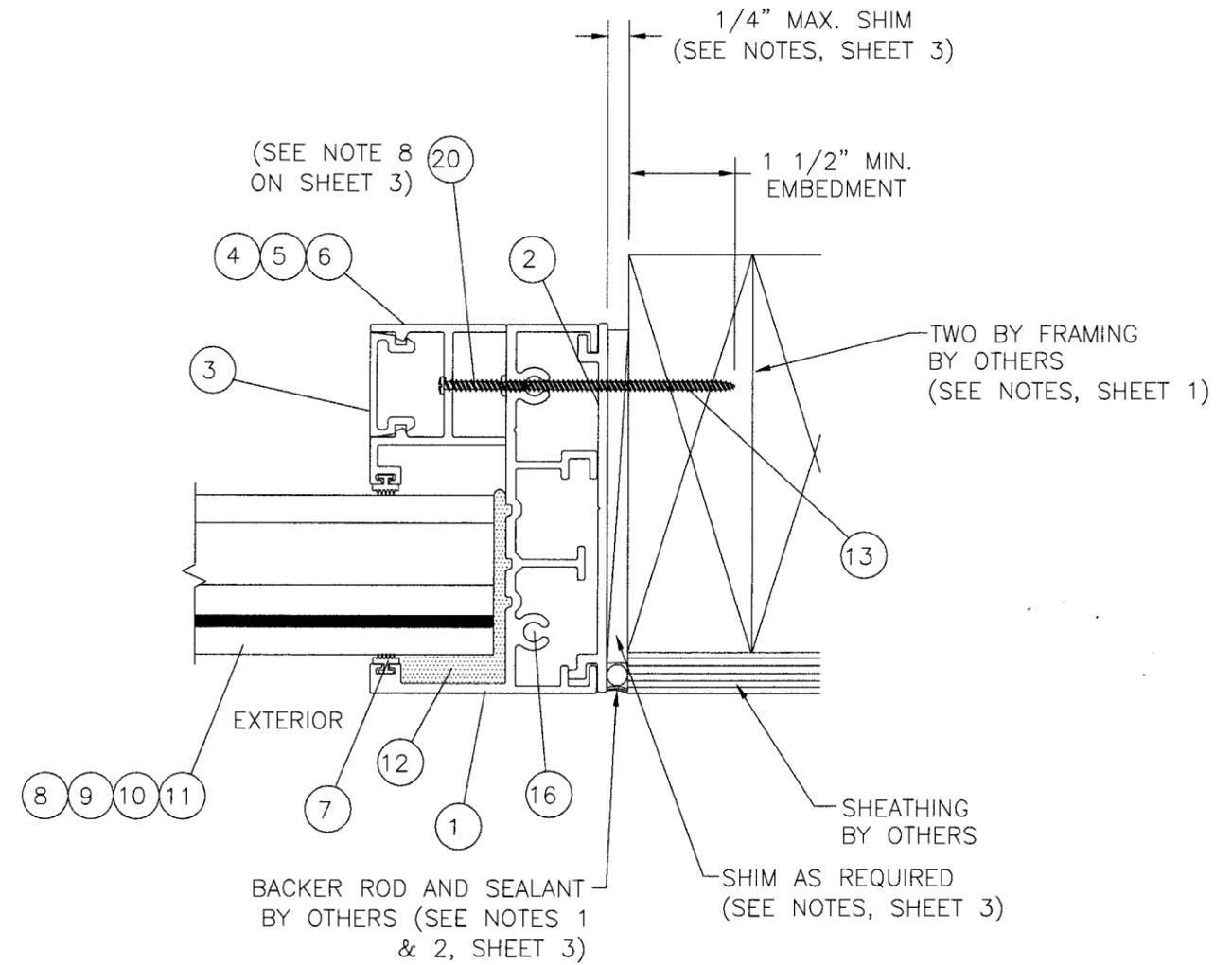
Dwg Title:
 SERIES 1000 FIXED WINDOW SMALL MISSILE
 VERTICAL CROSS SECTIONS

SIZE	Drn By:	DWG NO.	REV
B	JVS	WIND0075	B

SCALE N.T.S. DATE: 10/28/05 SHEET 4 OF 8



SECTION E
MASONRY INSTALLATION



SECTION F
WOOD INSTALLATION

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 08-1010.i2
 Expiration Date 06/27/2011
 By *[Signature]*
 Miami Dade Product Control
 Division

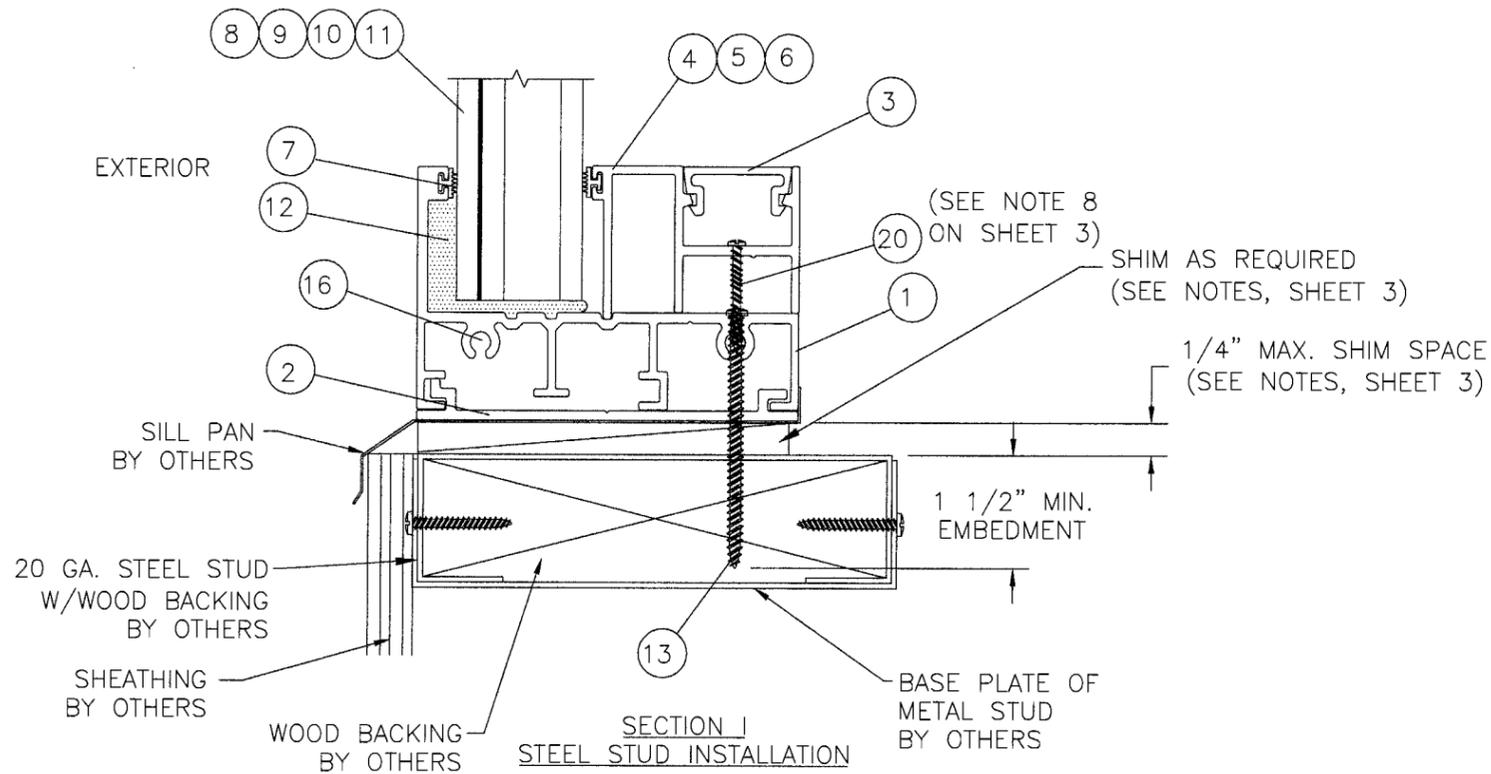
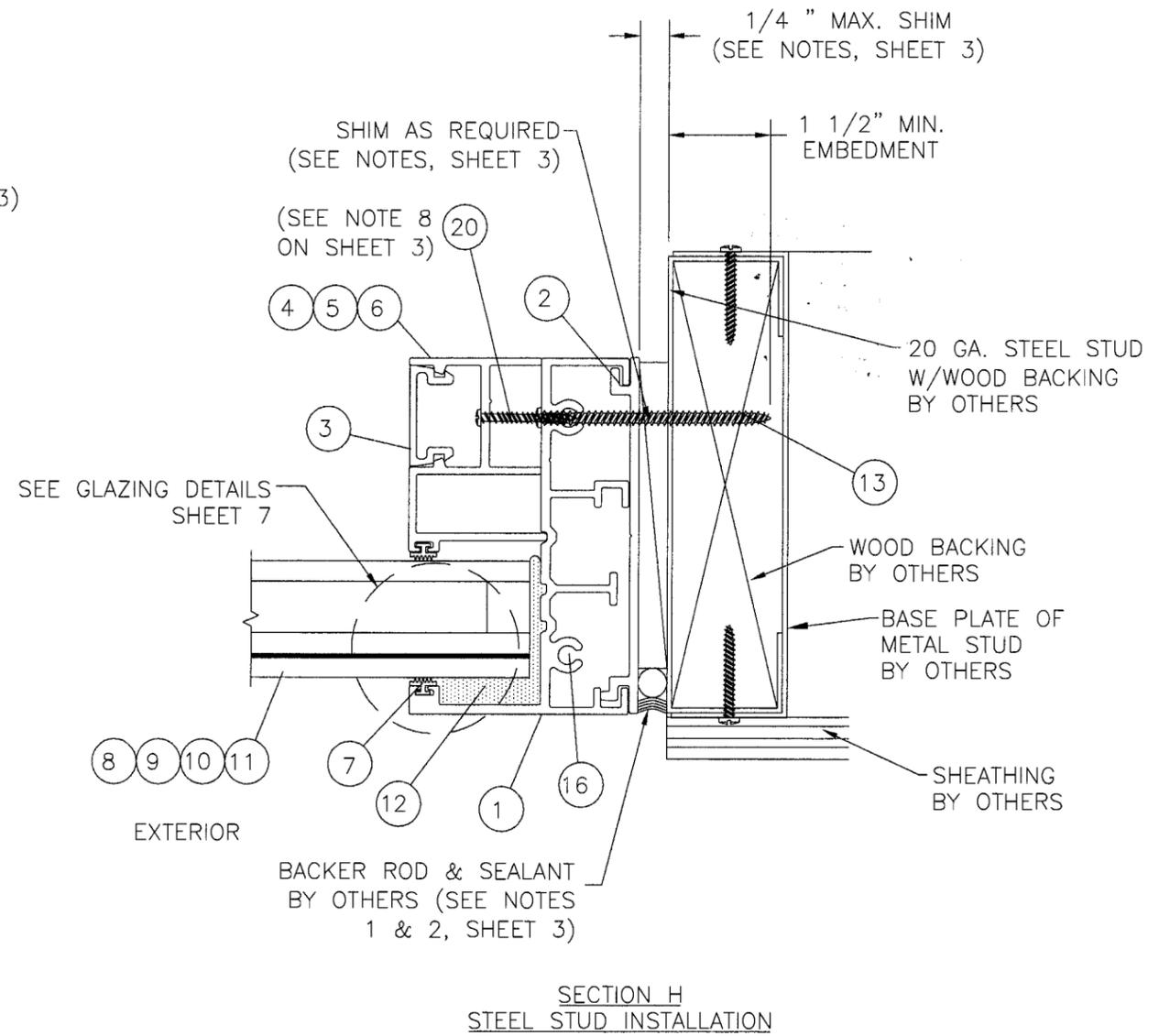
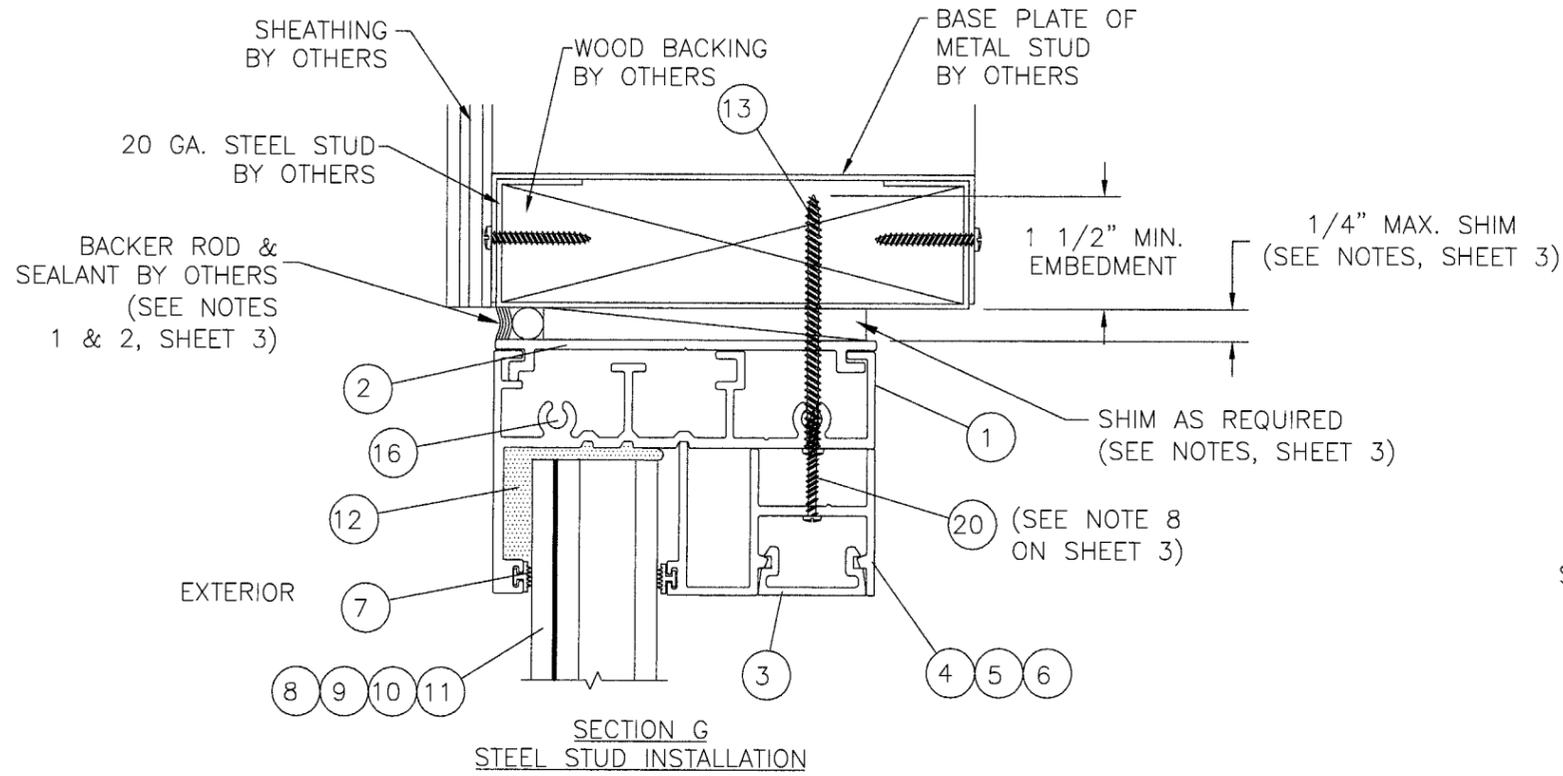
SHEET	REV	DESCRIPTION	DATE	BY
1-8	B	REVISED PER DADE LETTER DATED NOV. 10, 2008	11/26/08	TJH
1-8	A	General revision update to current building code	07/31/08	DRL
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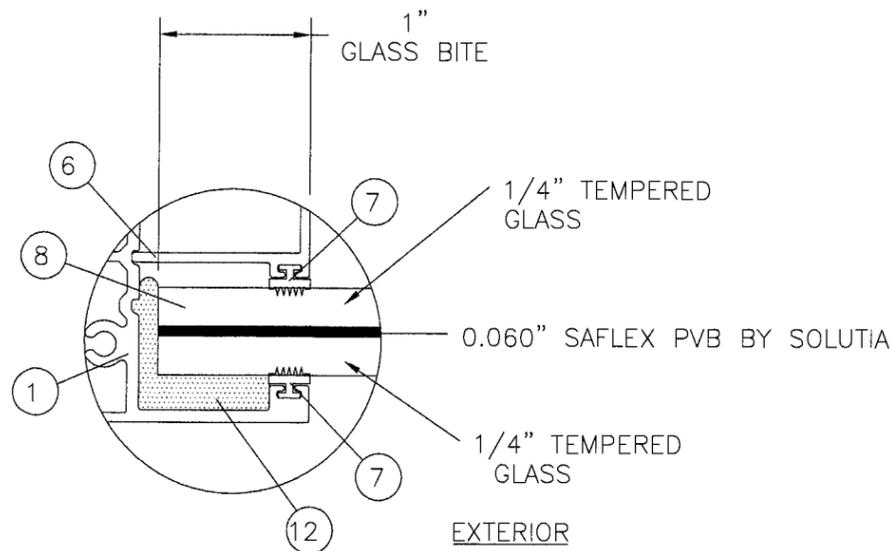
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SERIES 1000 FIXED WINDOW SMALL MISSILE HORIZONTAL CROSS SECTIONS			
SIZE	Drn By:	DWG NO.	REV
B	JVS	WIND0075	B
SCALE	N.T.S.	DATE:	10/28/05
		SHEET	5 OF 8



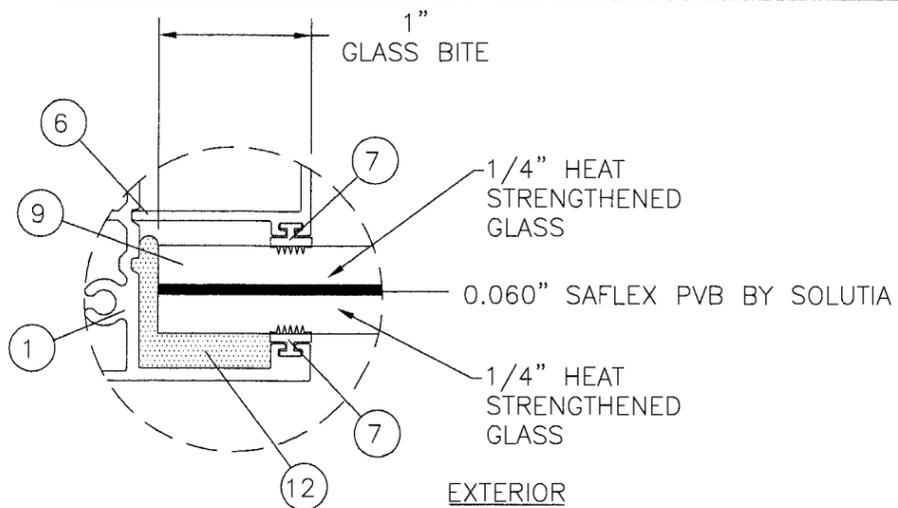
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<i>[Signature]</i> 2/8/09				Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com	
Dwg Title: SERIES 1000 FIXED WINDOW SMALL MISSILE STEEL STUD CROSS SECTIONS					
SIZE	Drn By:	DWG NO.		REV	
B	JVS	WIND0075		B	
SCALE N.T.S.		DATE:	10/28/05	SHEET 6 OF 8	

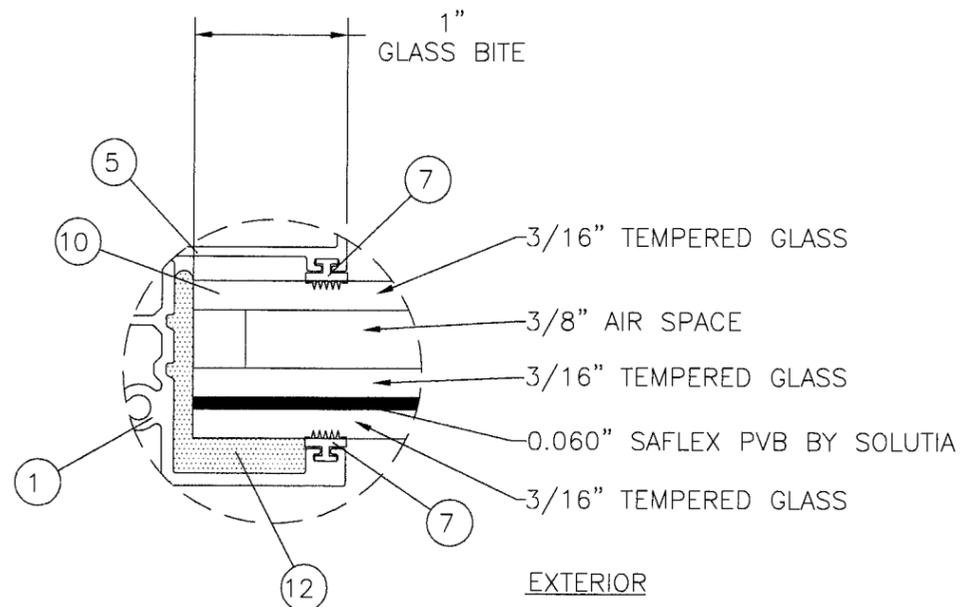
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1-8	B	REVISED PER DADE LETTER DATED NOV. 10, 2008	11/26/08	TJH
1-8	A	General revision update to current building code	07/31/08	DRL
REVISIONS				



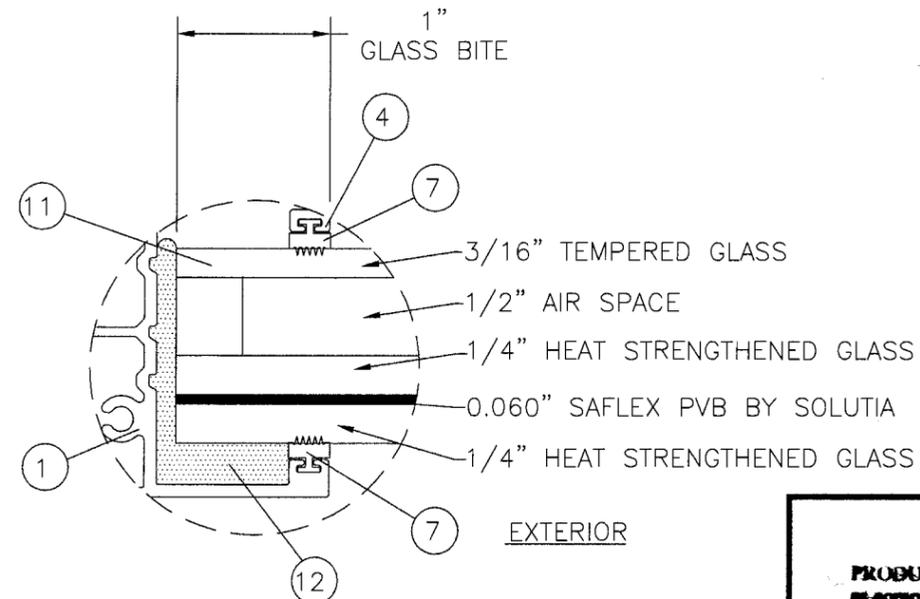
GLAZING DETAIL A
9/16" NOMINAL O.A.
LAMINATED TEMPERED
SMALL MISSILE IMPACT GLASS



GLAZING DETAIL B
9/16" NOMINAL O.A.
LAMINATED HEAT STRENGTHENED
SMALL MISSILE IMPACT GLASS



GLAZING DETAIL C
1" NOMINAL O.A.
INSULATED TEMPERED
SMALL MISSILE IMPACT GLASS



GLAZING DETAIL D
1 1/4" NOMINAL O.A.
INSULATED HEAT STRENGTHENED/TEMPERED
SMALL MISSILE IMPACT GLASS

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1-8	A	General revision update to current building code	07/31/08	DRL
REVISIONS				

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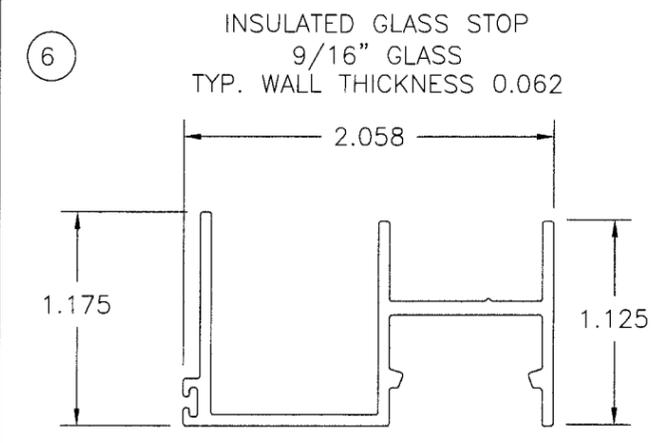
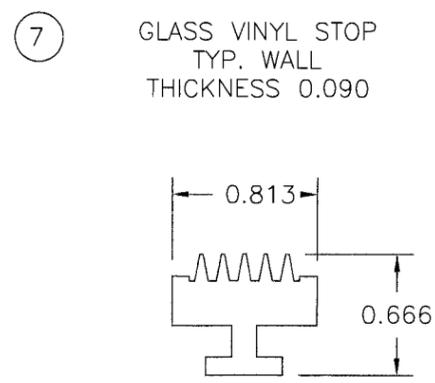
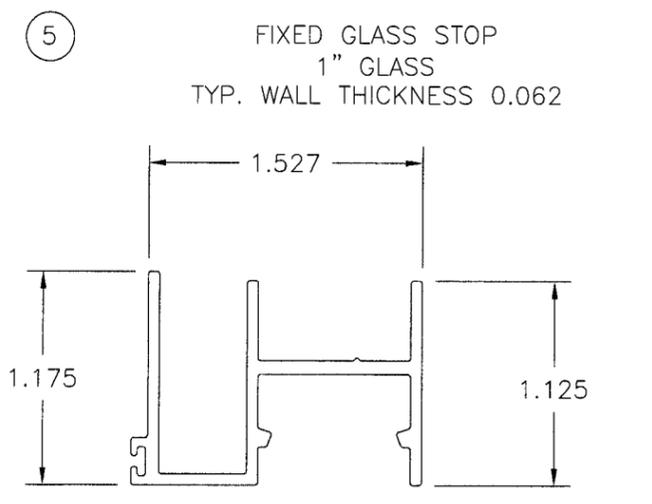
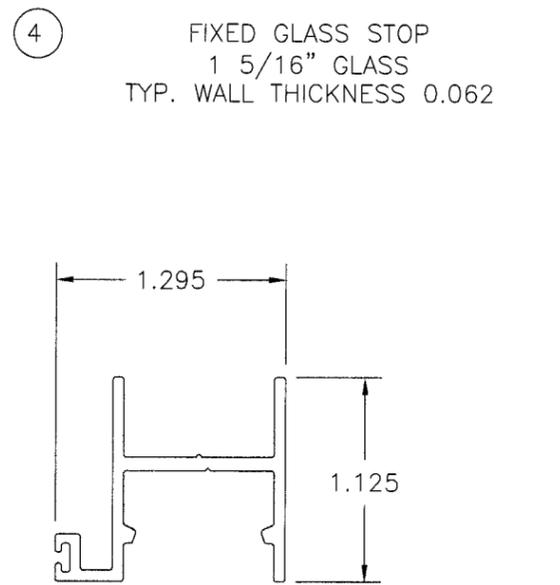
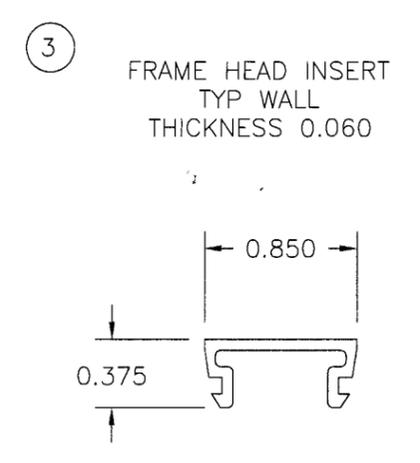
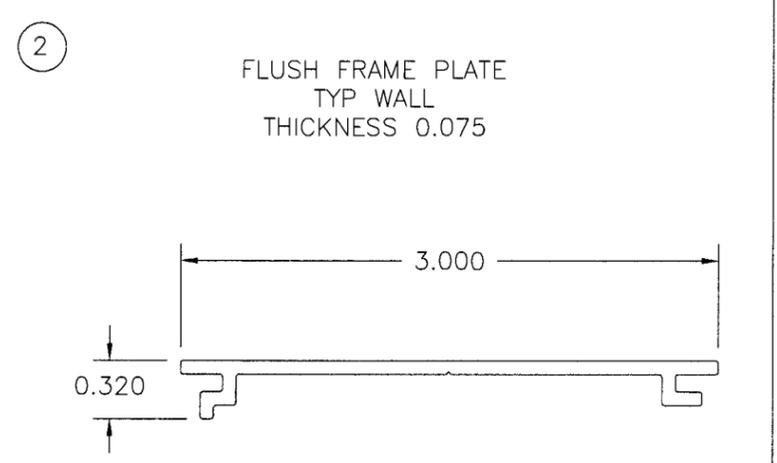
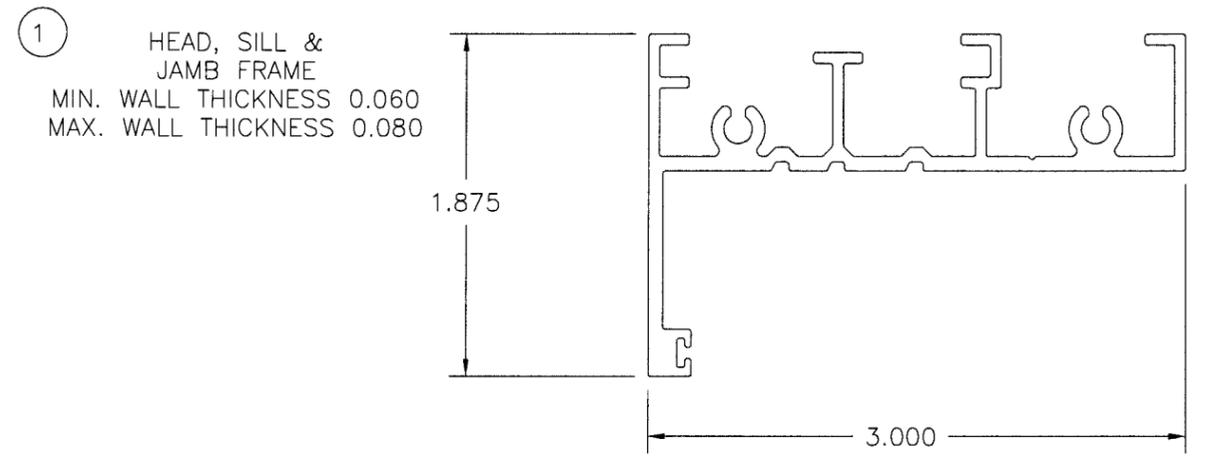
Dwg Title:
SERIES 1000 FIXED WINDOW SMALL MISSILE
GLAZING DETAILS

SIZE B	Drn By: JVS	DWG NO. WIND0075	REV B
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SCALE N.T.S. DATE: 10/28/05 SHEET 7 OF 8

BILL OF MATERIAL

NO.	PART NO.	DESCRIPTION	
1	FS-02485	HEAD, SILL & JAMB FRAME	EXTRUDED ALUM. BY KEYMARK
2	FS-02862	FLUSH FRAME PLATE	EXTRUDED ALUM. BY KEYMARK
3	FS-01882	INSERT	EXTRUDED ALUM. BY KEYMARK
4	FS-02861	INSULATED GLASS STOP 1 5/16" GLASS	EXTRUDED ALUM. BY KEYMARK
5	FS-02478	INSULATED GLASS STOP 1" GLASS	EXTRUDED ALUM. BY KEYMARK
6	FS-02479	LAMINATED GLASS STOP 9/16" GLASS	EXTRUDED ALUM. BY KEYMARK
7	GS-VN-07A	GLASS STOP VINYL	TEAM PLASTICS INC.
8		9/16" OA SINGLE GLAZE SMALL MISSILE TYPE "A" GLAZING DETAIL A	
9		9/16" OA SINGLE GLAZE SMALL MISSILE TYPE "B" GLAZING DETAIL B	
10		1" OA INSULATED SMALL MISSILE TYPE "C" GLAZING DETAIL C	
11		1 1/4" OA INSULATED SMALL MISSILE TYPE "D" GLAZING DETAIL D	
12		SIKA 552 GLAZING COMPOUND	
13		#14 CUT THREAD WOOD SCREW W/1 1/2" MINIMUM EMBEDMENT	
14		1/4" DIAMETER ELCO CRETE-FLEX SS4 TYPE MASONRY SCREW W/1 1/4" MINIMUM EMBEDMENT WITH 1 3/4" MINIMUM EDGE DISTANCE	
15		NOT USED	
16		#10 X 1 1/4" TYPE F (ASSEMBLY SCREWS)	
17		NOT USED	
18		NOT USED	
19		NOT USED	
20		#10 X 1 1/4" SELF TAPPING TEK SCREW	



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1-8	B	REVISED PER DADE LETTER DATED NOV. 10, 2008	11/26/08	TJH
1-8	A	General revision update to curent building code	07/31/08	DRL

REVISIONS

LUIS R. LOMAS P.E.
[Signature]
 2/8/09
 FLORIDA REGISTRATION
 NO. 62514

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Dwg Title:
 SERIES 1000 FIXED WINDOW SMALL MISSILE
 BOM AND WINDOW COMPONENTS

SIZE	Drn By:	DWG NO.	REV
B	JVS	WIND0075	B

SCALE N.T.S. DATE: 10/28/05 SHEET 8 OF 8