



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

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 S.W. 26th Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590, F (786) 315-2599
www.miamidade.gov/economy

Kawneer Company, Inc.
555 Guthridge Court
Norcross, GA 30092

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 "7225 TL" Project-In Aluminum Window – S.M.I.

APPROVAL DOCUMENT: Drawing No. 1693, titled Series "7225 TL Project-In Small Missile Impact Window", sheets 01 through 03 of 03, dated 11/16/09 with revision "A1", dated 11/03/11, prepared by W. W. Schaefer Engineering & Consulting, P. A., signed and sealed by Warren W. Schaefer, 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: Small Missile Impact Resistant.

LIMITATIONS: Miami-Dade County Product Control Approved External Shutters Or Protective Devices Shall Be Required Within The Lowest 30 Feet Above Grade of The Exterior Building.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, series 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 No. 11-1013.09 and consists of this page 1, evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J. Gascon
7/24/14

NOA No. 14-0430.08
Expiration Date: October 20, 2015
Approval Date: July 31, 2014
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 10-0616.02)
2. Drawing No. 1693, titled Series "7225 TL Project-In Small Missile Impact Window", sheets 01 through 03 of 03, dated 11/16/09 with revision "A1", dated 11/03/11, prepared by W. W. Schaefer Engineering & Consulting, P. A., signed and sealed by Warren W. Schaefer, P. E. *(Submitted under previous NOA No. 11-1013.09)*

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
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94along with marked-up drawings and installation diagram of projected-in window, prepared by Hurricane Test Laboratory, LLC, Test Reports No. HTL-0049-0107-09, dated 10/02/2009, signed and sealed by Vinu J. Abraham, P. E.
(Submitted under previous NOA No. 10-0616.02)

C. CALCULATIONS

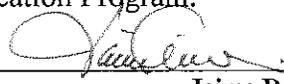
1. Anchor verification calculations and structural analysis, complying with FBC, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 02/03/10, signed and sealed by Warren W. Schaefer, P. E.
(Submitted under previous NOA No. 10-0616.02)
2. Complies with ASTM E1300-04/ 09

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 12-1231.09 issued to Eastman Chemical Company (MA) for their "Saflex HP Clear or Color Glass Interlayers" dated 03/28/13, expiring on 04/14/18.
2. Test reports on:
 - 1) ASTM C661 Durometer, Shore A 60 ±5;
 - 2) ASTM D412C Tensile Test 30HRS passed 350 PSI;along with AAMA 805.2-94, Group A, Verified Component List of Bonding Back-Bedding Compound by an AAMA Accredited Laboratory, issue P/N InstantGlaze I by Dow Corning, dated 09/08/09 by AAMA Certification Program.
(Submitted under previous NOA No. 10-0616.02)


Jaime D. Gascon, P. E.
Product Control Section Supervisor
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E. MATERIAL CERTIFICATIONS (CONTINUED)

3. Test reports on: 1) ASTM D624C Tear Test passed 141 pli \geq 125 pli
2) ASTM D412C Tensile Test 30HRS passed 2350 PSI and 2130PSI;
3) ASTM D395B Compression Set 22 HRS with 100°F passed 21 %
and 28% \leq 30%;
4) ASTM D2240 Shore A Hardness passed 83A \leq 85 (\pm 5) durometer;
5) ASTM D1149 Ozone Resistance 100 HR/ 40°F/ 20% strain/ 100
pphm NO Cracks;
6) ASTM D573 Heat Resistance 70 HR/ 100°C passed:
Tensile -1% \leq 15%, Elongation -38% \leq 40%, Hardness 8 \leq 10
and
7PSI \leq 10PSI;
7) ASTM D624C Tear Test passed 158 pli \geq 125 pli;
8) ASTM D746/ C509 Low Temperature Brittleness at -40°C passed
NO Cracks;

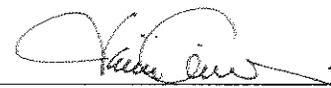
along with Verified Component List of Extra High Performance Replaceable
Fenestration Setting Block by an AAMA Accredited Laboratory, issue P/N 5,483,775
by Kawneer Company, Inc., dated 01/06/2010 by AAMA Certification Program.

(Submitted under previous NOA No. 10-0616.02)

4. Test reports on: 1) ASTM C661 Durometer, Shore A 65 \pm 5;
2) ASTM D412C Tensile Test 30HRS passed 350 PSI;
along with AAMA 702-04 CLASS A, Verified Component List of Extra High
Performance Replaceable Fenestration Weather seals by an AAMA Accredited
Laboratory, issue P/N E202 by Ultrafab, Inc., dated 01/06/2010 by AAMA
Certification Program.
(Submitted under previous NOA No. 10-0616.02)
5. Test reports on: 1) ASTM C864 Option II passed;
2) ASTM D412C Tensile Test 30HRS passed 1500 PSI \geq 1410PSI;
3) ASTM D395B Compression Set 22 HRS with 100°F passed 21%
and 28% \leq 30%;
4) ASTM C661 Durometer, Shore A 87 \pm 5

along with AAMA 702-04 CLASS A, Verified Component List of Extra High
Performance Replaceable Fenestration Weather seals by an AAMA Accredited
Laboratory, issue P/N Foam-Tite A32007 (Round foam) by AMESBURY GROUP,
INC. (MA), dated 03/23/2009 by AAMA Certification Program.

(Submitted under previous NOA No. 10-0616.02)



Jaime D. Gascon, P. E.
Product Control Section Supervisor
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F. STATEMENTS

1. Statement letter of conformance to and compliances with the **FBC 5th Edition (2014)**, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 04/14/14, signed and sealed by Warren W. Schaefer, P. E.
2. Statement letter of conformance to and compliances with the **FBC-2007 and FBC-2010**, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 10/06/11, signed and sealed by Warren W. Schaefer, P. E.
(Submitted under previous NOA No. 11-1013.09)
3. Statement letter of no financial interest and independency, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 10/06/11, signed and sealed by Warren W. Schaefer, P. E.
(Submitted under previous NOA No. 11-1013.09)
4. Laboratory compliance letter for Test Report No. **HTL-0049-0107-09**, issued by Hurricane Test Laboratory, LLC, dated 08/04/09, and 10/02/09, signed and sealed by Vinu J. Abraham, P. E.
(Submitted under previous NOA No. 10-0616.02)

G. OTHERS

6. Notice of Acceptance No. **11-1013.09**, issued to Kawneer Company, Inc. for their Series **"7225 TL Project-In Aluminum Window - S.M.I."**, approved on 11/17/11 and expiring on 10/20/15.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 14-0430.08
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GENERAL NOTES:

1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S).
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR SMALL MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. WHEN GLAZED FOR SMALL MISSILE IMPACT, THESE WINDOWS MAY NOT BE INSTALLED AT ELEVATIONS BELOW 30 FT. ABOVE GRADE WITHOUT AN APPROVED SHUTTER.
7. ALL ANCHORS SECURING WINDOW FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED PER THE ASCE-7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.

CORNER CONSTRUCTION:

FRAME: HORIZONTAL MEMBERS ARE COPED & BUTTED TO THE VERTICAL MEMBERS AND JOINED WITH THREE(3) NO. 10 X 1 1/4" SS SMS SCREWS INTO THE MEMBERS SCREW SPLINE. CORNERS ARE SEALED WITH TREMCO-TREMSIL 600 SEALANT.
SASH: MITERED, JOINED TOGETHER WITH TWO(2) CORNER KEYS (ITEM #8), SECURED WITH REN RP-1254 EPOXY. CORNERS ARE SEALED WITH SCHEE-MOREHEAD 5504 SEALANT.

ALLOWABLE DESIGN PRESSURE
 +100/-135 PSF

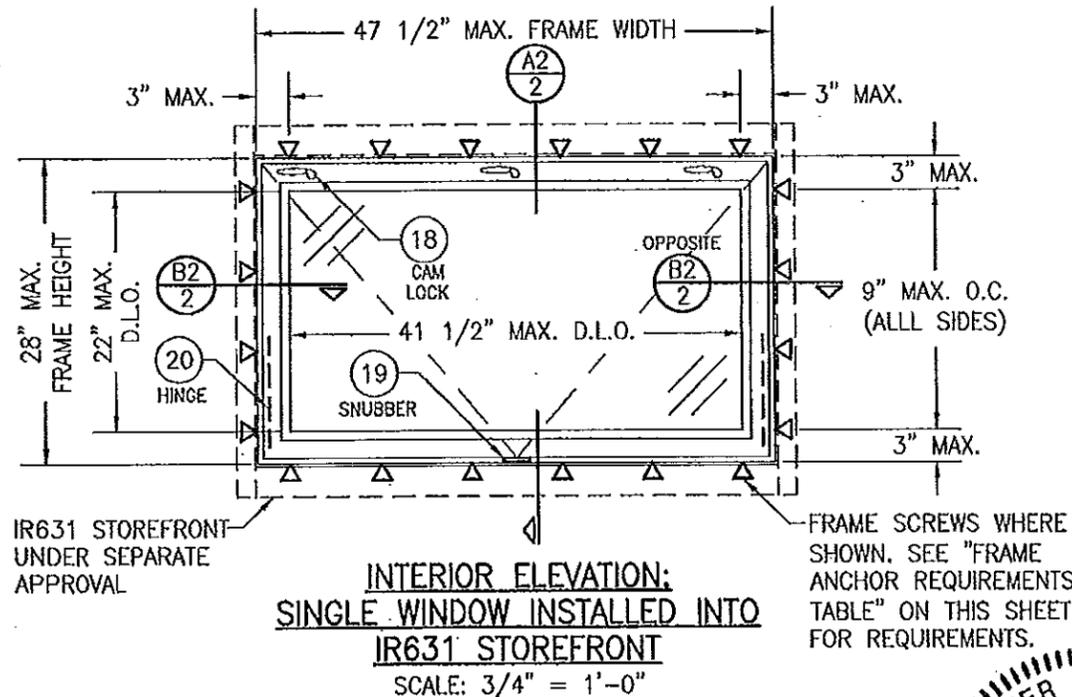
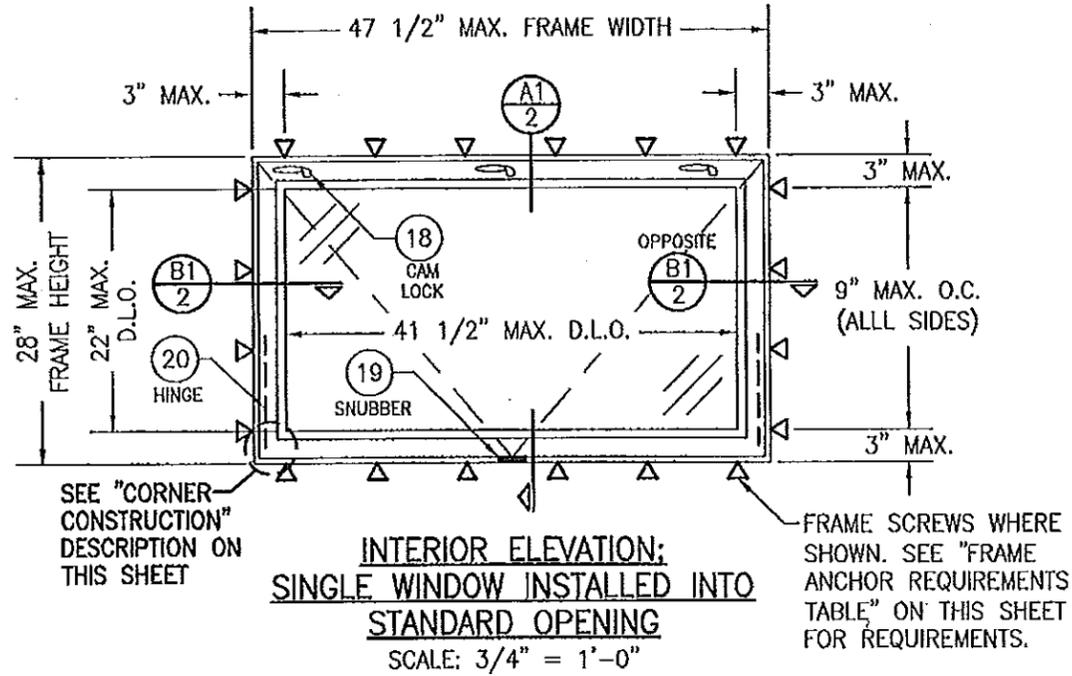
LOCK REQUIREMENTS	
MAX. FRAME WIDTH	LOCK POINTS REQ'D
OVER 28 13/16"	3
28 13/16"	2

FRAME ANCHOR REQUIREMENTS TABLE

FRAME SCREWS			
OPENING TYPE (SUBSTRATE)	FRAME TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
IR631 STOREFRONT	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 0.125" THK 6063-T5 ALUM.	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

DRAWN BY: W.R.M.	CHECKED BY: W.M.S.
DATE: 11/03/11	DATE: 11/18/09



PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No. **14-0430.08**
 Expiration Date **10/20/2015**
 By *[Signature]*
 Miami Dade Product Control

PRODUCT REVISED as complying with the Florida Building Code
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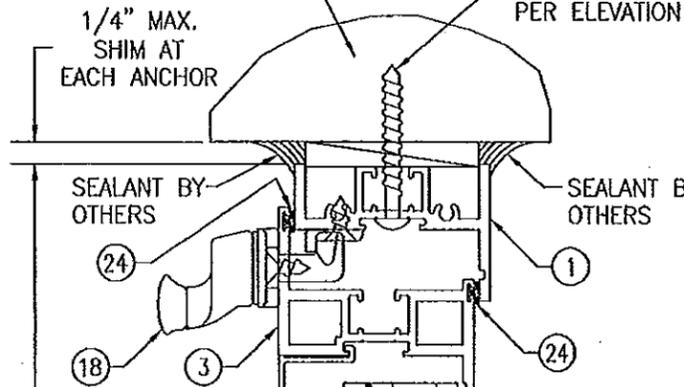
DRAWING TITLE
 7225TL PROJECT-IN SMALL MISSILE IMPACT WINDOW

CONSULTANTS
 W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
 7480 150TH COURT NORTH
 PALM BEACH GARDENS, FL 33418
 PHONE: 561-744-3424

MANUFACTURER
 KAWNEER COMPANY, INC.
 555 GUTHRIDGE COURT
 NORCROSS, GA 30092
 770-449-5555

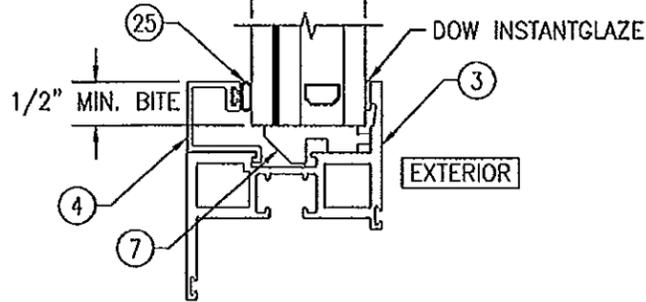
NOV 03 2011	WARREN W. SCHAEFER P.E.
DRAWING NO. 1693	REV. A
SHEET NO. 1 OF 3	

SUBSTRATE BY OTHERS PER "FRAME ANCHOR REQUIREMENTS TABLE"

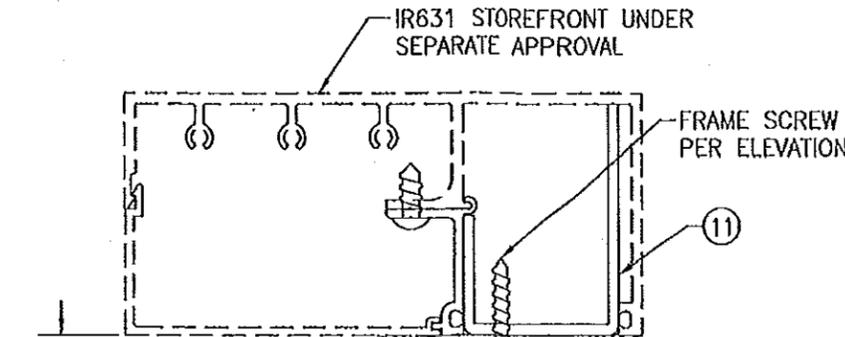


SECTION A1
SCALE: 1/2 FULL

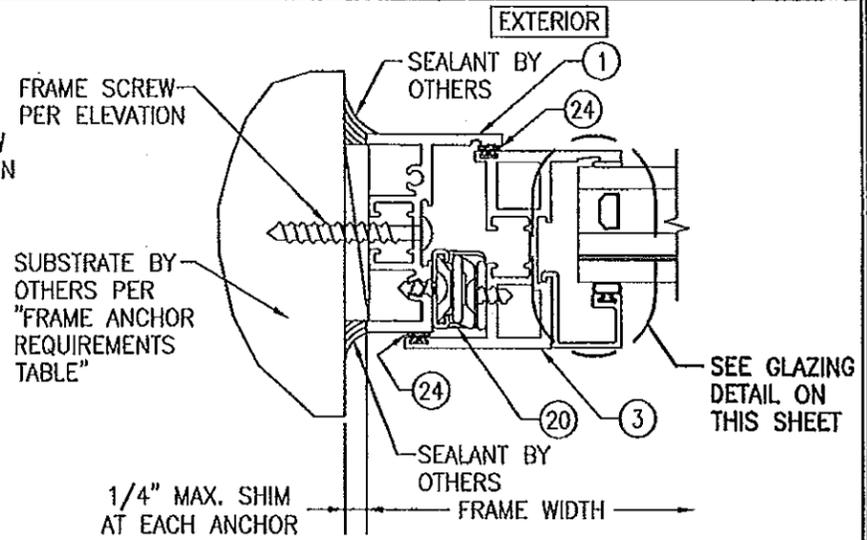
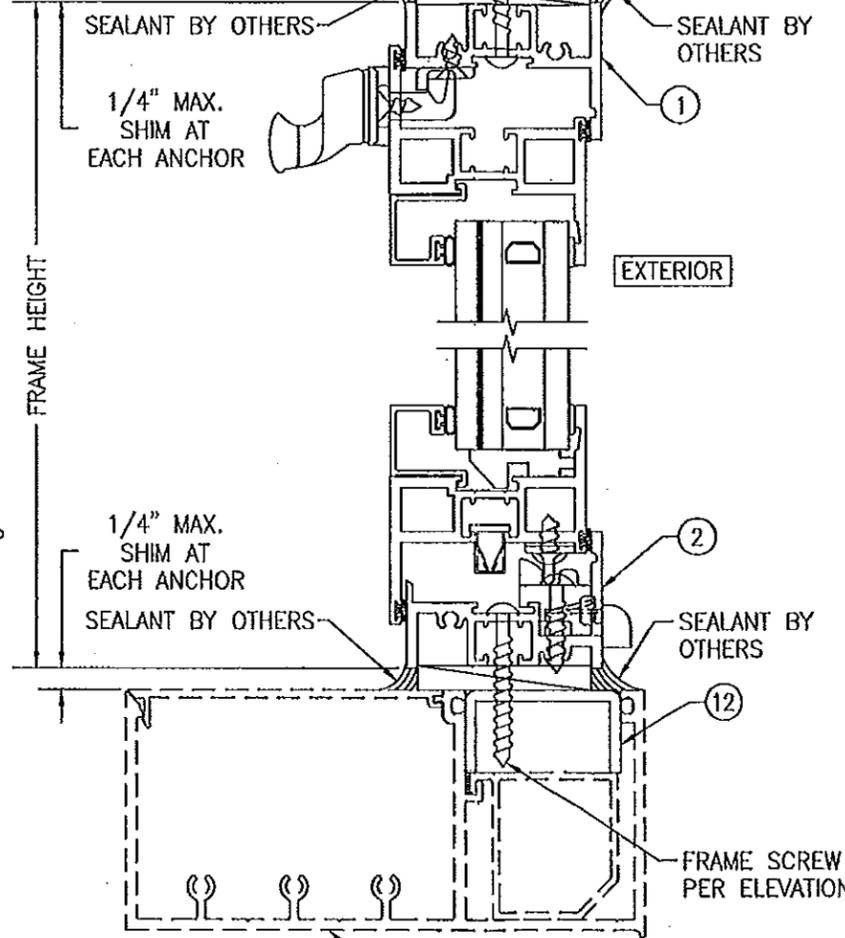
1 5/16" THICK I.G. GLASS
(1/4" H.S./0.06 SOLUTIA SAFLEX IIII
PVB/1/4 H.S. INTERIOR;
1/2" SPACER; 1/4" TEMP. EXTERIOR)



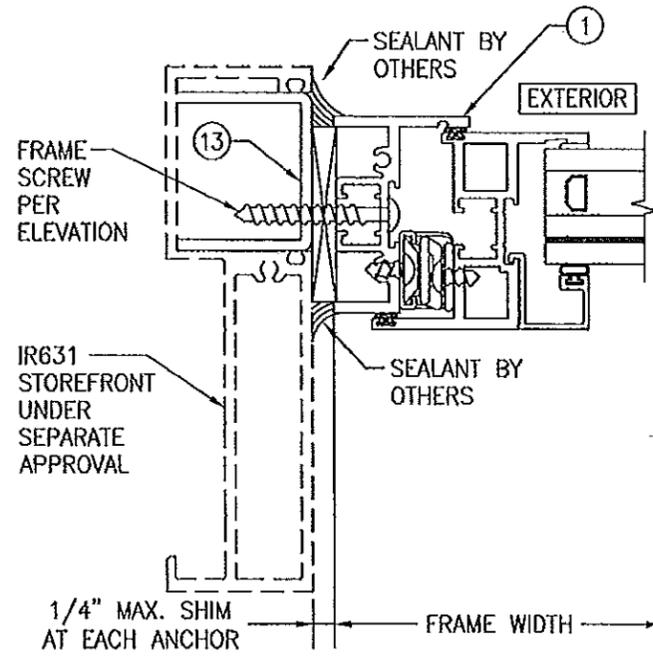
TYPICAL GLAZING DETAIL



SECTION A2
SCALE: 1/2 FULL
(FOR DETAIL NOT SHOWN, SEE SECTION A1/2)



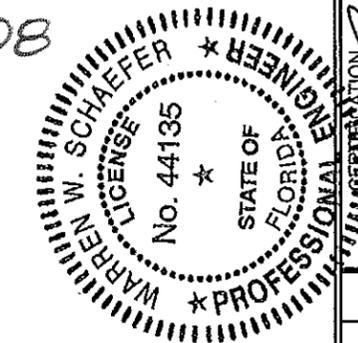
SECTION B1
SCALE: 1/2 FULL



SECTION B2
SCALE: 1/2 FULL
(FOR DETAIL NOT SHOWN, SEE SECTION B1/2)

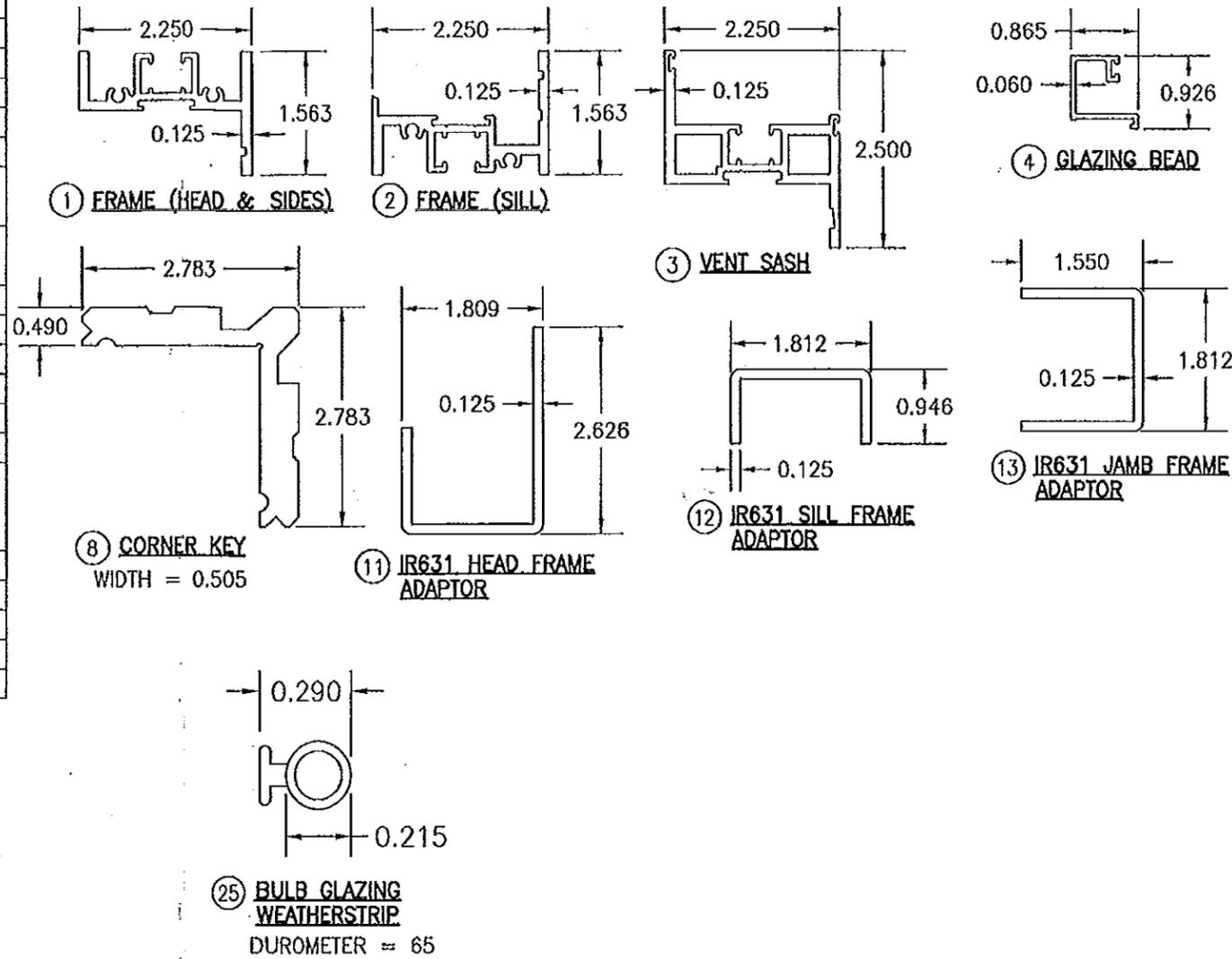
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0430.08
Expiration Date 10/20/2015
By *[Signature]*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
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Acceptance No. 11-1013.09
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By *[Signature]*
Miami Dade Product Control



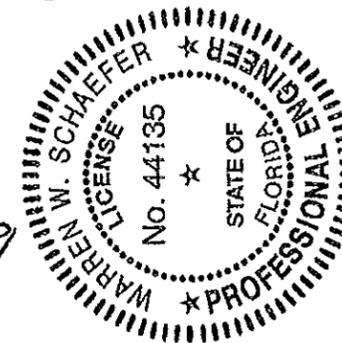
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 11/18/09	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE: 7225TL PROJECT-IN SMALL MISSILE IMPACT WINDOW			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555	
DRAWING NO. 1693		REV. A	
SHEET NO. 2		OF 3	

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	FRAME (HEAD & SIDES)	6063-T6 ALUMINUM
2	FRAME (SILL)	6063-T6 ALUMINUM
3	VENT SASH	6063-T6 ALUMINUM
4	GLAZING BEAD	6063-T6 ALUMINUM
5	WEEP CHECK VALVE	2 REQ'D WITHIN 14 5/8" OF EACH END VERNAY LABRATORIES VA-4394
6	WEEP COVER	2 REQ'D WITHIN 14 5/8" OF EACH END POLYCARBONATE ASHLAND PRODUCTS
7	SETTING BLOCK	EPDM (QTY. AS REQUIRED)
8	CORNER KEY	6105-T5 ALUMINUM
11	IR631 HEAD FRAME ADAPTOR	3003-H14 ALUMINUM
12	IR631 SILL FRAME ADAPTOR	3003-H14 ALUMINUM
13	IR631 JAMB FRAME ADAPTOR	3003-H14 ALUMINUM
HARDWARE		
18	CAM LOCK & KEEPER	BRONZE CRAFT LOCK 156-001 & 156-003 WITH KEEPER 210-157-4062
19	SNUBBER DRIVER & KEEPER	ADVANTAGE 616-2 & 840
20	4-BAR HINGE	ADVANTAGE MFG 310-LR
SEALS & SEALANTS		
24	BULB WEATHERSTRIP	AMESURY POLYPROPYLENE 32005
25	BULB WEATHERSTRIP (DUROMETER = 65)	ULTRAFAB POLYPROPYLENE E202



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as complying with the Florida
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By *[Signature]*
Miami Dade Product Control



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 11/18/09	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: 7225TL PROJECT-IN SMALL MISSILE IMPACT WINDOW			
CONSULTANTS		MANUFACTURER	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555	
CERTIFICATION		DRAWING NO. 1693	
NOV 08 2011 WARREN M. SCHAEFER, P.E. P.E. NO. 44135		REV. A	
		SHEET NO. 3 OF 3	