



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

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

NOTICE OF ACCEPTANCE (NOA)

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 "FG 623" Aluminum Window Wall System (3-Bay wide) – S.M.I.

APPROVAL DOCUMENT: Drawing No. **1581**, titled "FG 623 Window Wall System (S.M.I.)", sheets 1 through 3 of 3, dated 03/04/08 with revision "**B1**" dated 09/10/12, 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 Section Renewal 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

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

REVISION 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 and renews NOA No. 11-1027.11** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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



J. Gascon
11/27/12

NOA No. 12-0921.16
Expiration Date: February 20, 2018
Approval Date: November 29, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1581**, titled "FG 623 Window Wall System (S.M.I.)", sheets 1 through 3 of 3, dated 03/04/08 with revision "**B1**" dated 09/10/12, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, 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 Architectural Testing, Inc., Test Report No. **ATI-B9643.01-550-18**, dated 08/22/12, signed and sealed by Vinu J. Abraham, P. E.

2. 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 Hurricane Testing Laboratory, Inc., Test Reports No.'s **HTL-0049-0807-01**, **HTL-0049-0610-00** and **HTL-0049-0615-00**, all dated 02/06/02, signed and sealed by Vinu J. Abraham, P. E.

(Submitted under previous NOA No. 02-1003.01)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **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. 11-1027.11)

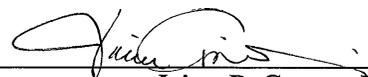
2. **Glazing complies with ASTM E 1300-04**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0624.01** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 09/08/11, expiring on 12/11/16.



Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 12-0921.16

Expiration Date: February 20, 2018

Approval Date: November 29, 2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. MATERIAL CERTIFICATIONS (CONTINUED)

2. Notice of Acceptance No. **11-1102.11** issued to **Solutia, Inc.** for their “**Saflex Clear and Color Glass Interlayers**” dated 06/14/12, expiring on 05/21/16.
4. Test report on: 1) ASTM E 8/ E 8M-07 Standard Test Methods for Tension Testing of Metallic Materials and per FBC along with installation diagram of SS 410 stainless masonry screws, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-08-T147**, dated 08/08/08, signed and sealed by Candido F. Font, P. E.
(Submitted under previous NOA No. 08-0415.10)
5. Statement letter of yield (**min. $F_y=126,000$ psi**) and ultimate strength (**min. $F_u=158,000$ psi**) of Tapcon, issued by ITW Red Head, engineering department, dated 01/02/08 and signed by Mark Timmerman, Senior Product Engineer.
(Submitted under previous NOA No. 08-0415.10)

F. STATEMENTS

1. Laboratory compliance letter for Test Report No. **ATI-B9643.01-550-18**, prepared by Architectural Testing, Inc., dated 08/22/12, signed and sealed by Vinu J. Abraham, P. E.
2. Proposal issued by Product Control, dated 08/03/09, signed by Ishaq Chanda, P. E.
3. Statement letter of conformance, complying with conformance to **FBC 2010** and no financial interest, prepared by W. W. Schaefer Engineering & Consulting, P.A., both dated 10/06/11, signed and sealed by Warren W. Schaefer, P.E.
(Submitted under previous NOA No. 11-1027.11)
4. Laboratory addendum letters for Test Reports No.’s **HTL-0049-0807-01**, dated 01/17/03, **HTL-0049-0610-00** & **HTL-0049-0615-00**, prepared by Hurricane Testing Laboratory, Inc., both dated 01/24/03, all signed and sealed by Vinu J. Abraham, P. E.
(Submitted under previous NOA No. 02-1003.01)
5. Laboratory compliance letters for Test Reports No.’s **HTL-0049-0807-01**, dated 02/06/02, **HTL-0049-0610-00** and **HTL-0049-0615-00**, prepared by Hurricane Testing Laboratory, Inc., both dated 02/06/02, all signed and sealed by Vinu J. Abraham, P. E.
(Submitted under previous NOA No. 02-1003.01)
6. Proposal issued by Product Control, dated 05/07/01, signed by Jaime D. Gascon, P. E.
(Submitted under previous NOA No. 02-1003.01)

G. OTHERS

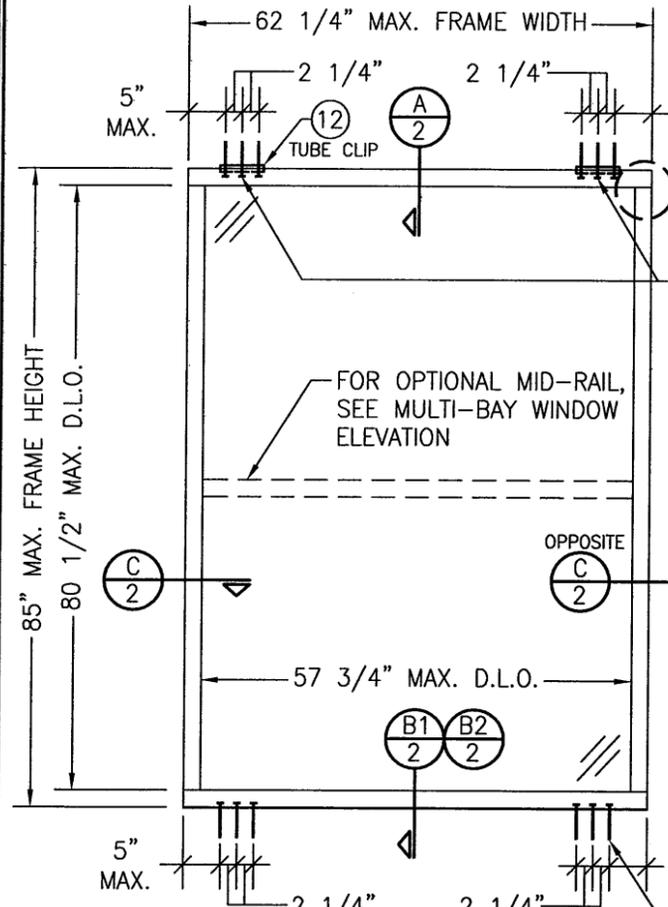
1. Notice of Acceptance No. **11-1027.11**, issued to Kawneer Company, Inc. for their Series “**FG 623 Aluminum Window Wall System (2-Bay wide) – S. M. Impact**”, approved on 01/19/12 and expiring on 02/20/13.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-0921.16
Expiration Date: February 20, 2018
Approval Date: November 29, 2012

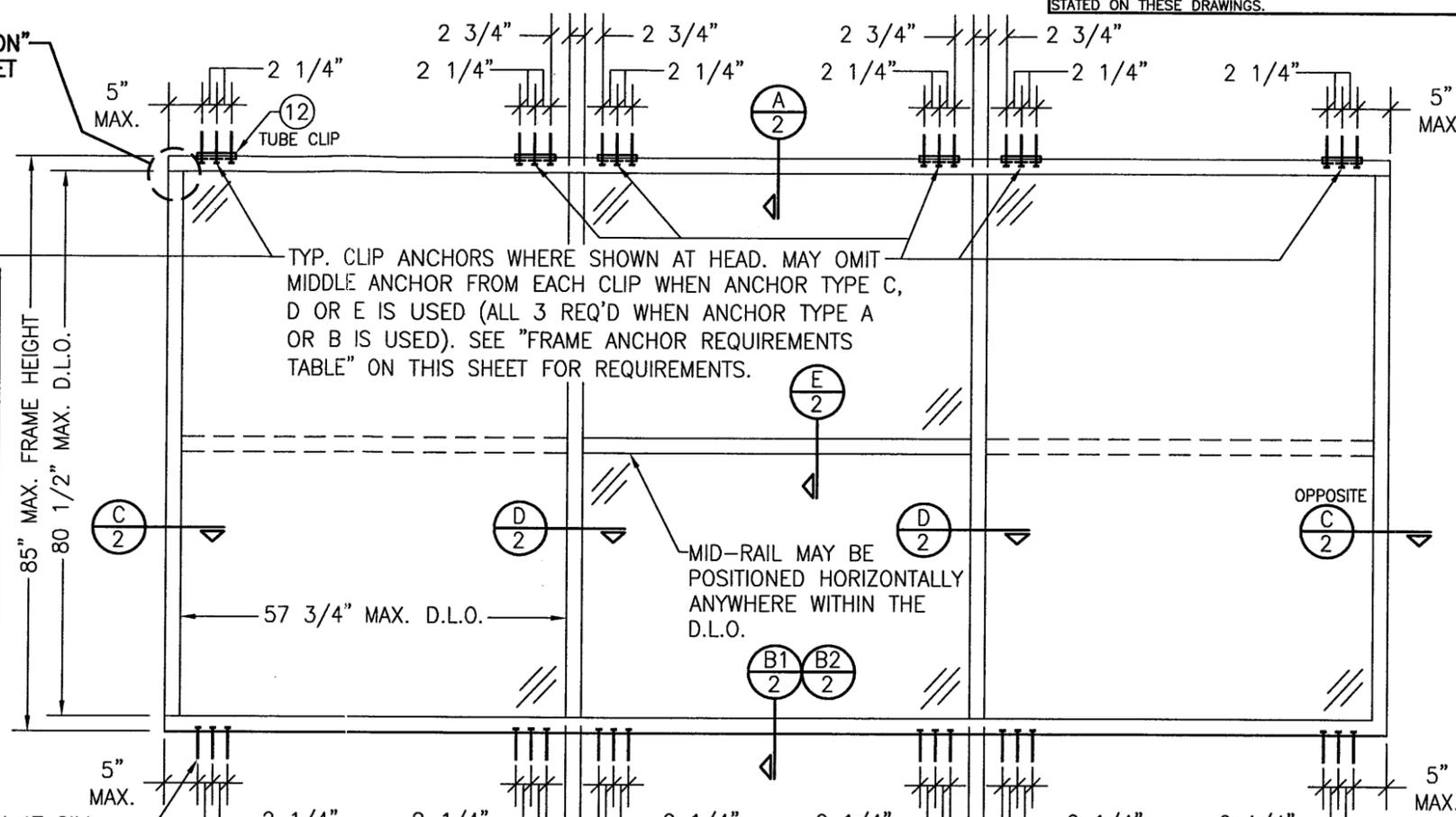
THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

DRAWN BY:	W.R.M.	CHECKED BY:	W.W.S.
PLOT:	1=24	DATE:	03/04/08
REVISION	DESCRIPTION	DATE	
BY			
NO.			
AT	UPDATE TO CURRENT STANDARDS	10/06/11	
BT	ADD THIRD BAY TO ELEVATION	09/10/12	



**EXTERIOR ELEVATION:
SINGLE BAY WINDOW**
SCALE: 1/2" = 1'-0"

(1) ALLOWABLE DESIGN PRESSURE (SINGLE & MULTI-BAY WINDOWS)	
GLASS A	+70/-90 PSF
GLASS B	+/-70 PSF
SEE GLAZING DETAILS FOR GLASS TYPES	
(1) ALLOWABLE DESIGN PRESSURE SHALL NOT EXCEED +/-70 PSF WHEN WOOD OR METAL STUD SUBSTRATES EXIST.	



**EXTERIOR ELEVATION:
MULTI-BAY WINDOW**
SCALE: 1/2" = 1'-0"

CORNER CONSTRUCTION:

FRAME CORNER: HEAD AND SILL MEMBERS RUN THROUGH AND ARE SQUARE CUT, BUTTED TO VERTICAL MEMBERS, FASTENED WITH FOUR(4) NO. 12 X 1 1/2" S.S. PHTFS FASTENERS THROUGH THE HEAD/SILL MEMBER INTO THE VERTICAL MEMBERS SCREW SPLINES & SEALED WITH SILICONE.
MID-RAIL END: MID-RAIL IS SQUARE CUT, BUTTED TO VERTICAL MEMBERS, FASTENED WITH THREE(3) NO. 10 X 1 19/32" S.S. PHTFS FASTENERS THROUGH THE VERTICAL MEMBERS INTO THE MID-RAIL SHEAR BLOCK SCREW SPLINES & SEALED WITH SILICONE.

NOTE: 3 BAYS SHOWN. MORE THAN 3 BAYS MAY APPLY PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERRED FROM THE WINDOW WALL SYSTEM & THEIR MULLIONS.

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. **12-0921.16**
Expiration Date **02/20/2018**
By *[Signature]*
Miami Dade Product Control

FRAME ANCHOR REQUIREMENTS TABLE

FRAME/CLIP SCREWS				
ANCHOR TYPE	OPENING TYPE (SUBSTRATE)	FRAME & CLIP TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
A	MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 14 SMS OR WOOD SCREW	1 1/4"	3/4"
B	MIN. 16 GA. 33 KSI METAL STUD	(2) 1/4-20 OR 1/4-14 SELF DRILL/TAPPING SCREW	FULL	1/2"
C	MIN. 1/8" THICK A36 STEEL	(2) 1/4-20 OR 1/4-14 SELF DRILL/TAPPING SCREW	FULL	1/2"
D	MIN. 0.115" THK 6063-T6 ALUM.	(2) 1/4-20 OR 1/4-14 SELF DRILL/TAPPING SCREW	FULL	1/2"
E	3000 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 3/4"	2 1/2"

(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), ELCO CRETE-FLEX (S.S.), ITW RAMSET/RED HEAD TAPCONS (C.S. OR S.S.) OR HILTI KWIK-CON II (C.S OR S.S.).
 (2) SELF DRILLING & SELF TAPPING SCREWS SHALL BE MIN. GRADE 5 CORRISION RESISTANT STEEL

GENERAL NOTES:

- THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)."
- OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
- 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.
- 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 DOORS.
- THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
- WHEN GLAZED FOR SMALL MISSILE IMPACT, THESE DOORS MAY NOT BE INSTALLED AT ELEVATIONS BELOW 30 FT. ABOVE GRADE WITHOUT AN APPROVED SHUTTER.
- ALL ANCHORS SECURING DOOR FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
- 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 KD = 0.85 MAY BE APPLIED PER THE ASCE-7 STANDARD.
- NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR CD = 1.6 WAS USED FOR WOOD SCREW ANALYSIS ONLY.
- 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.



DRAWING TITLE
FG623 WINDOW WALL SYSTEM (S.M.I.)

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

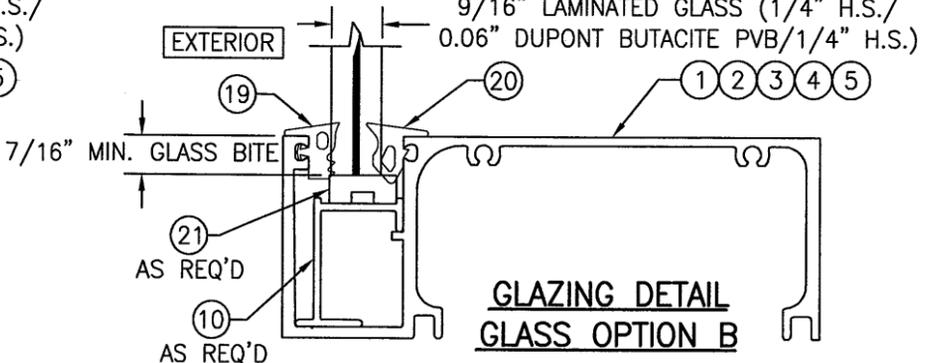
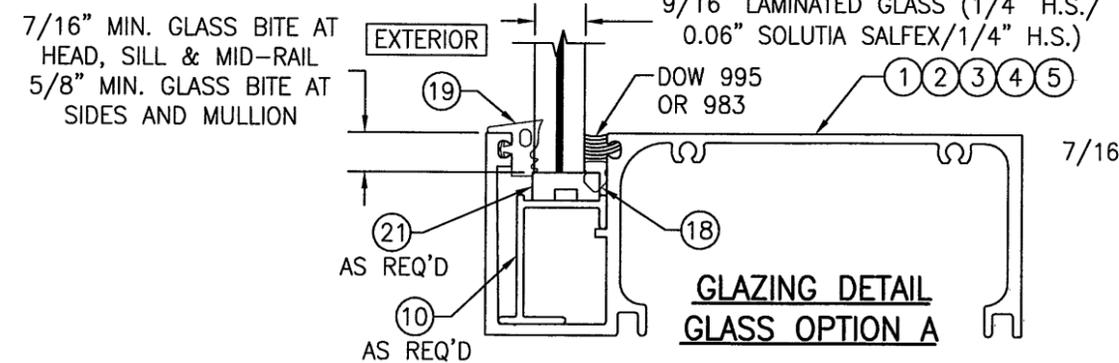
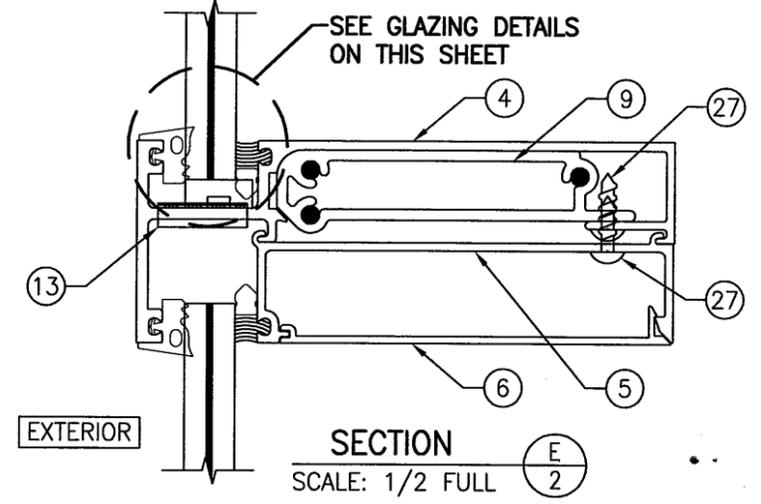
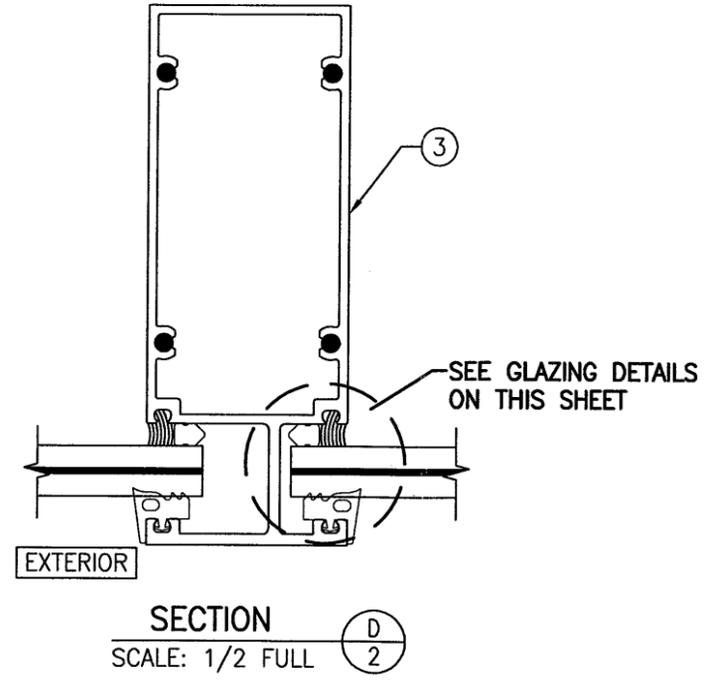
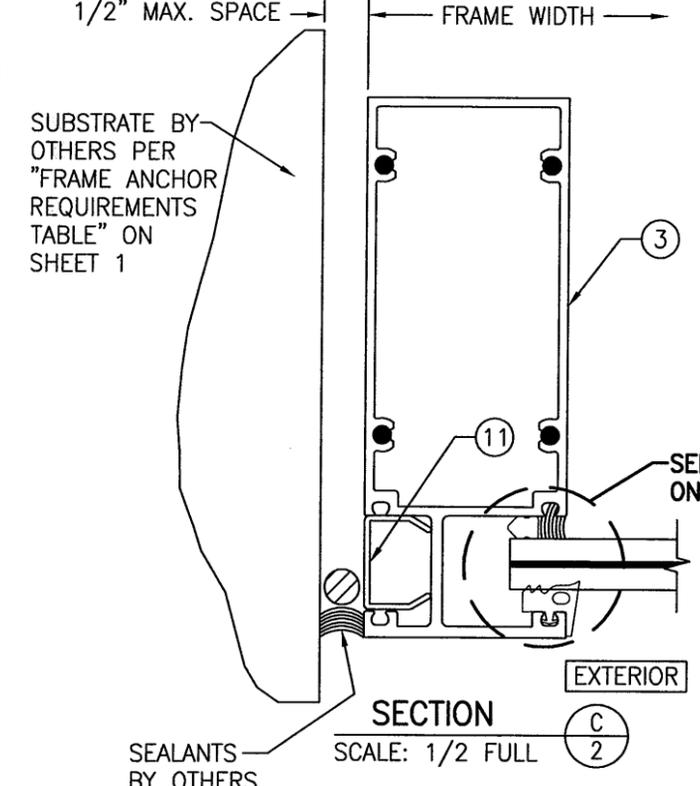
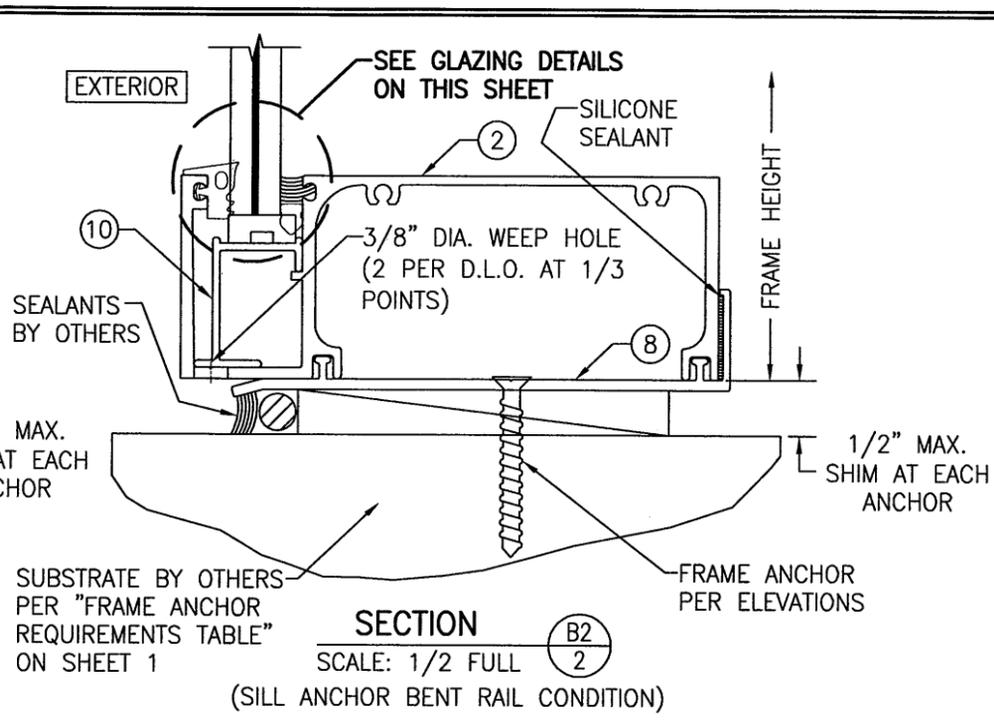
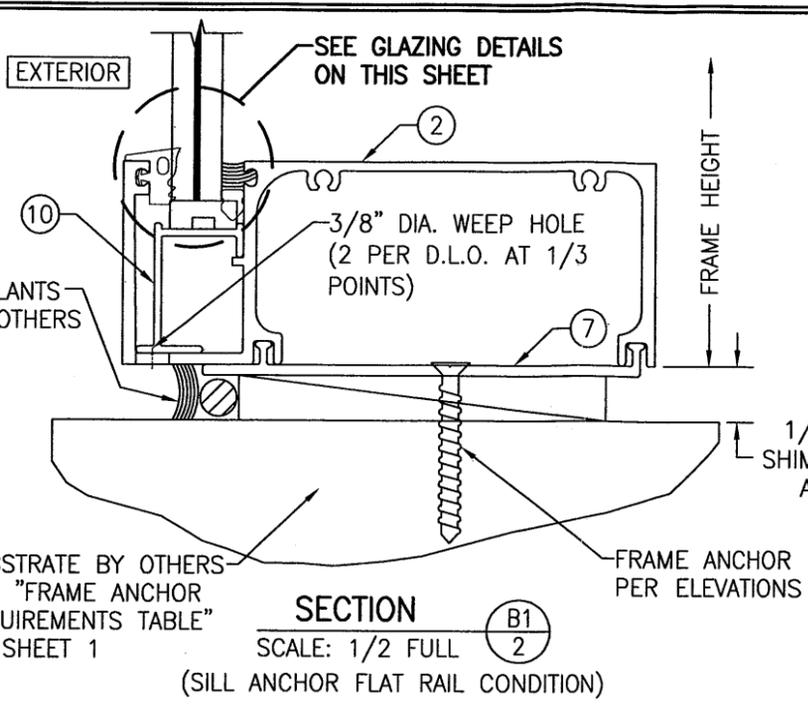
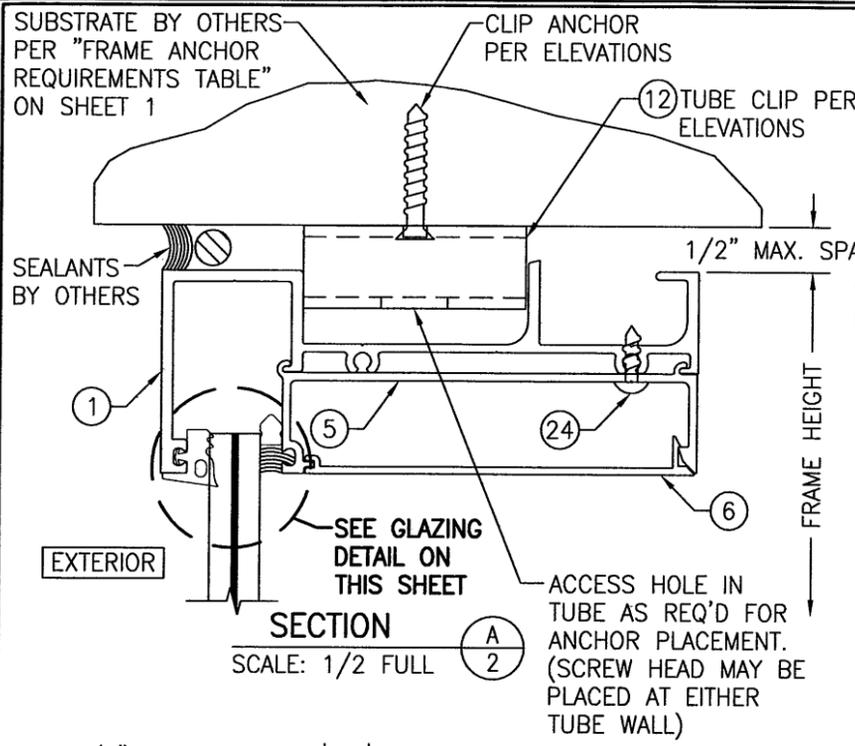
CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

CERTIFICATION
SEP 10 2012
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

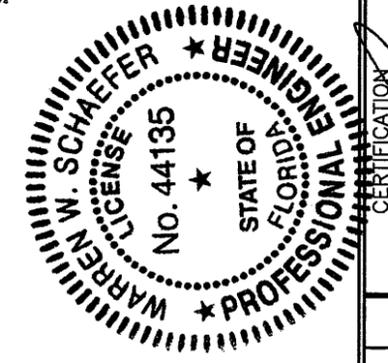
DRAWING NO.
1581

REV.
B

SHEET NO.
1 OF 3

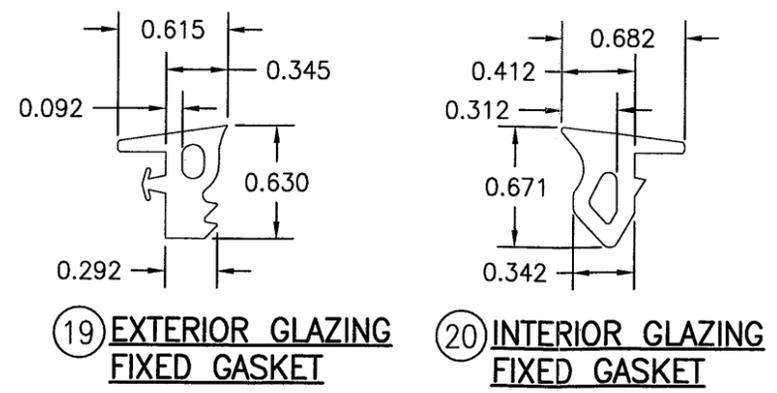
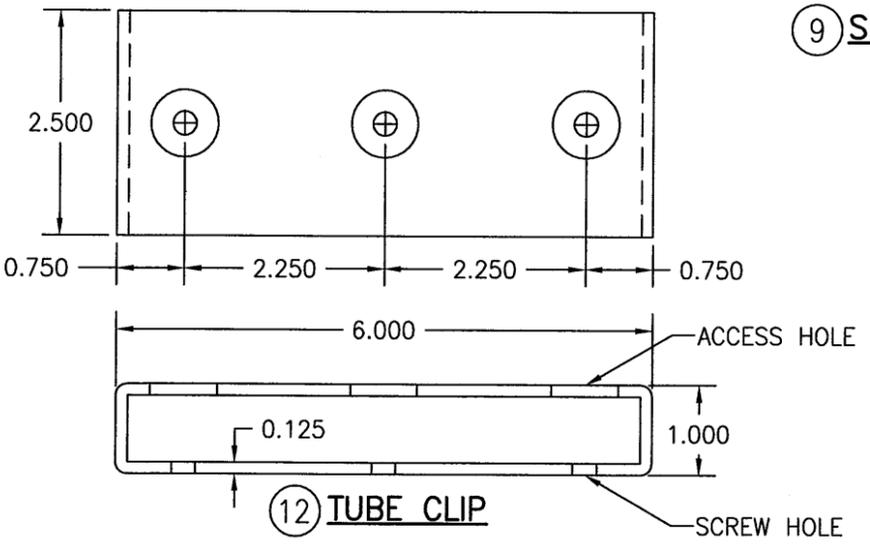
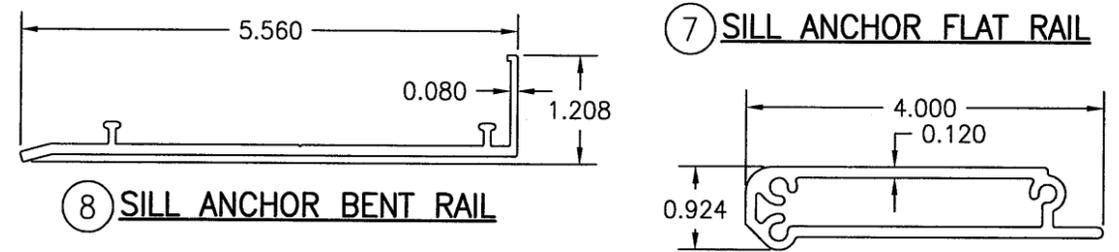
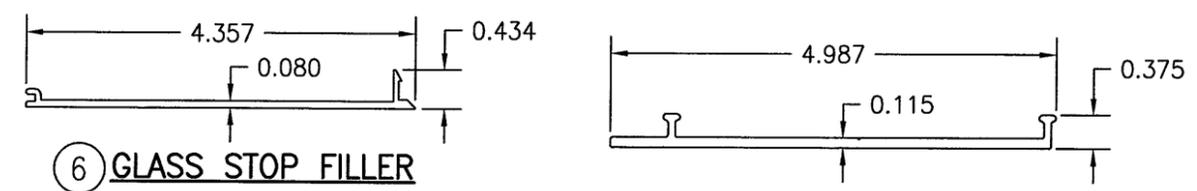
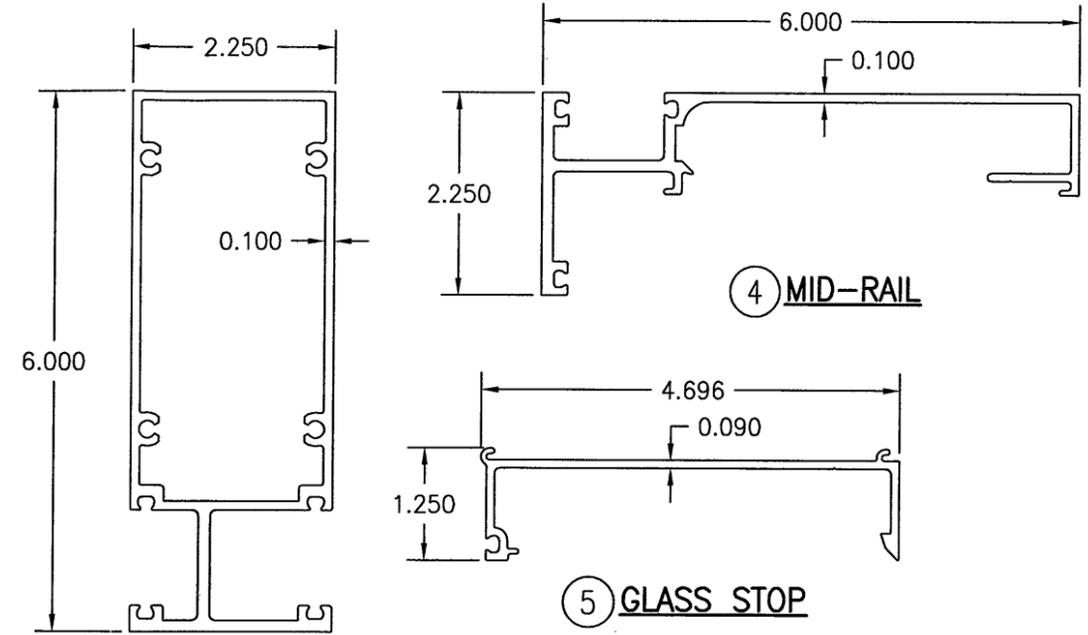
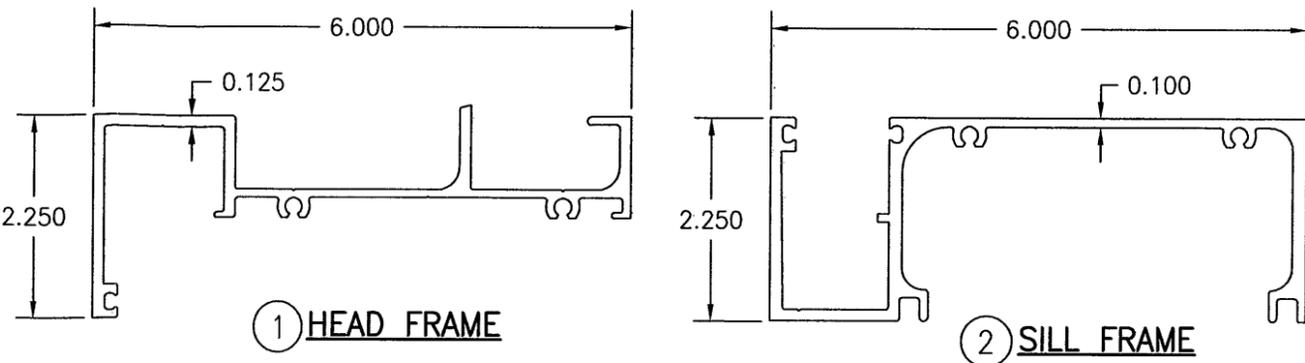


PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 12-0921.16
 Expiration Date 02/20/2018
 By *[Signature]*
 Miami Dade Product Control



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 03/04/08	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: FG623 WINDOW WALL SYSTEM (S.M.I.)			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER: KAWNEER COMPANY, INC.	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555	
DRAWING NO. 1581		REV. B	
SHEET NO. 2		OF 3	
CERTIFICATION: SEP 10 2012 WARREN W. SCHAEFER, P.E. LICENSE NO. 44135			

ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	623-105	HEAD FRAME	6063-T6 ALUMINUM
2	623-113	SILL FRAME	6063-T6 ALUMINUM
3	623-107	SIDE JAMB/MULLION	6063-T6 ALUMINUM
4	623-103	MID-RAIL	6063-T6 ALUMINUM
5	623-104	GLASS STOP	6063-T6 ALUMINUM
6	623-111	GLASS STOP FILLER	6063-T6 ALUMINUM
7	623-110	SILL ANCHOR FLAT RAIL	6063-T6 ALUMINUM
8	804-171	SILL ANCHOR BENT RAIL	6063-T6 ALUMINUM
9	623-409	SHEAR BLOCK	6063-T6 ALUMINUM
10	623-402	SETTING BLOCK CHAIR	6063-T6 ALUMINUM
11	623-112	JAMB POCKET FILLER	6063-T6 ALUMINUM
12	623-406	TUBE CLIP	6063-T6 ALUMINUM
13	175-313	WATER DEFLECTOR	RIGID PVC
SEALS AND SEALANTS			
18	127-038	WEDGE GASKET	SCR-900
19	027-850	EXTERIOR GLAZING FIXED GASKET	EPDM (DUROMETER 60+/-5)
20	127-028	INTERIOR GLAZING FIXED GASKET	EPDM (DUROMETER 70+/-5)
21	027-017	SETTING BLOCK AS REQ'D	EPDM
22	68-605	SIDE BLOCK (USED WITH GLASS TYPE B)	EPDM
23	422-434	W BLOCK (USED WITH GLASS TYPE B)	EPDM
MISCELLANEOUS FASTENERS			
27	-	NO. 10 X 5/8" PHTFS S.S SCREW	WITHIN 6" OF ENDS & 18" MAX. O.C.



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PLOT: 1=2	DATE: 03/04/08
DATE	
BY	
REVISION DESCRIPTION	
NO.	

DRAWING TITLE: FG623 WINDOW WALL SYSTEM (S.M.I.)

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

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

CERTIFICATION: SEP 10 2012
 WARREN W. SCHAEFER, P.E.
 P.E. NO. 44135

DRAWING NO.	REV.
1581	B
SHEET NO.	3 OF 3