



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/pera/

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 PERA-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. PERA 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 "AA900 ISOWEB" Outswing Aluminum Casement Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. 1545, titled "Series AA900 ISOWEB Out-Swing L.M.I. Casement Window", sheets 1 through 6 of 6, dated 07/09/07 with revision "A1", dated 10/10/11, 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 Section 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

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/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. 07-0810.03 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
1/11/12

NOA No. 11-1027.07
Expiration Date: December 27, 2012
Approval Date: January 19, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 07-0810.03)
2. Drawing No. **1545**, titled "Series AA900 ISOWEB Out-Swing L.M.I. Casement Window", sheets 1 through 6 of 6, dated 07/09/07 with revision "A1", dated 10/10/11, 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) Large Missile Impact Test per FBC, TAS 201-94
 - 6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 7) Forced Entry Test, per FBC 2411.3.2.1, TAS 202-94along with marked-up drawings and installation diagram of an outswing Aluminum casement window, prepared by Hurricane Testing Laboratory, LLC, Test Report No. **HTL-G049-0301-07**, dated 06/06/07, signed and sealed by Vinu J. Abraham, P. E.
(Submitted under previous NOA No. 07-0810.03)

C. CALCULATIONS

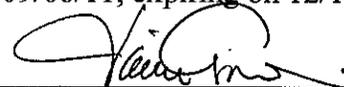
1. Anchor verification calculations and structural analysis, complying with FBC-2004, FBC-2007 including supplements and FBC-2010, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 01/05/12, signed and sealed by Warren W. Schaefer, P. E.
(Submitted under previous NOA No. 07-0810.03)
2. Glazing complies with ASTM E1300-98/02

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. 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. 11-1027.07
Expiration Date: December 27, 2012
Approval Date: January 19, 2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS (CONTINUED)

3. Notice of Acceptance No. **11-0325.05** issued to **Solutia, Inc.** for their “**Saflex – Clear or colored Interlayer**” dated 04/21/11, expiring on 04/21/16.
4. Notice of Acceptance No. **09-0223.05** issued to **Solutia, Inc.** for their “**Saflex Multi-layer Glass Interlayer**” dated 04/08/09, expiring on 04/08/14.
5. Notice of Acceptance No. **08-0206.01** issued to **Solutia, Inc.** for their “**Saflex HP Glass Interlayer**” dated 04/17/08, expiring on 04/14/13.

F. STATEMENTS

1. Statement letter of conformance and compliance with the FBC-2007, FBC-2010 and ANSI/ AAMA/ NWWDA 101/ I.S. 2-97, dated 10/10/2011 signed and sealed by Warren W. Schaefer, P. E.
2. Statement letter of no financial interest and independence, dated 10/10/2011, signed and sealed by Warren W. Schaefer, P. E.
3. Proposal No. **11-0976** issued by Product Control for the change of, or for the addition of the “**GE Momentive RGS 7700**” exterior sealant, dated 08/30/2011, signed by Manuel Perez, P. E.
4. Statement letter of conformance, no financial interest, compliance and compliance with the ANSI/ AAMA/ NWWDA 101/ I.S. 2-97, FBC-2004 and FBC-2007 including supplements, dated 07/31/07, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P. E.
(Submitted under previous NOA No. 07-0810.03)
5. Laboratory compliance letter for Test Report No. **HTL-G049-0301-07**, issued by Hurricane Test Laboratory, LLC, dated 06/06/07, signed and sealed by Vinu J. Abraham, P. E.
(Submitted under previous NOA No. 07-0810.03)

G. OTHERS

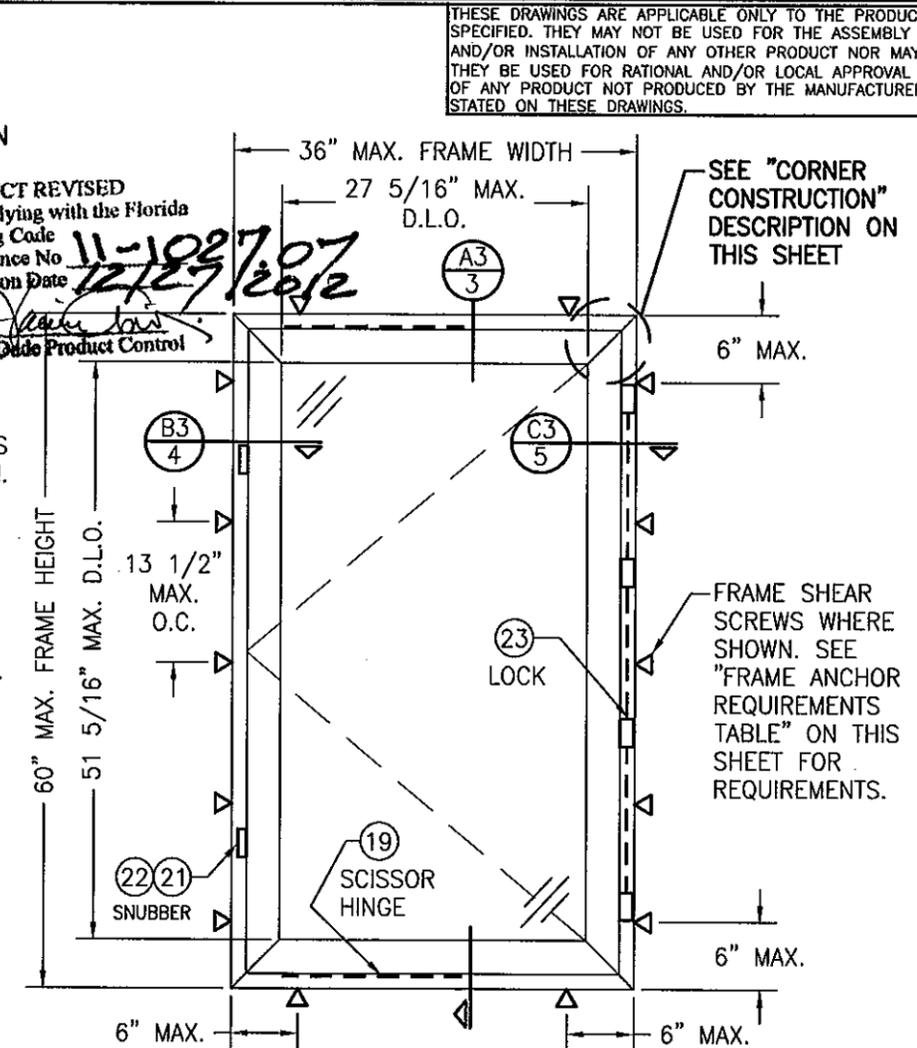
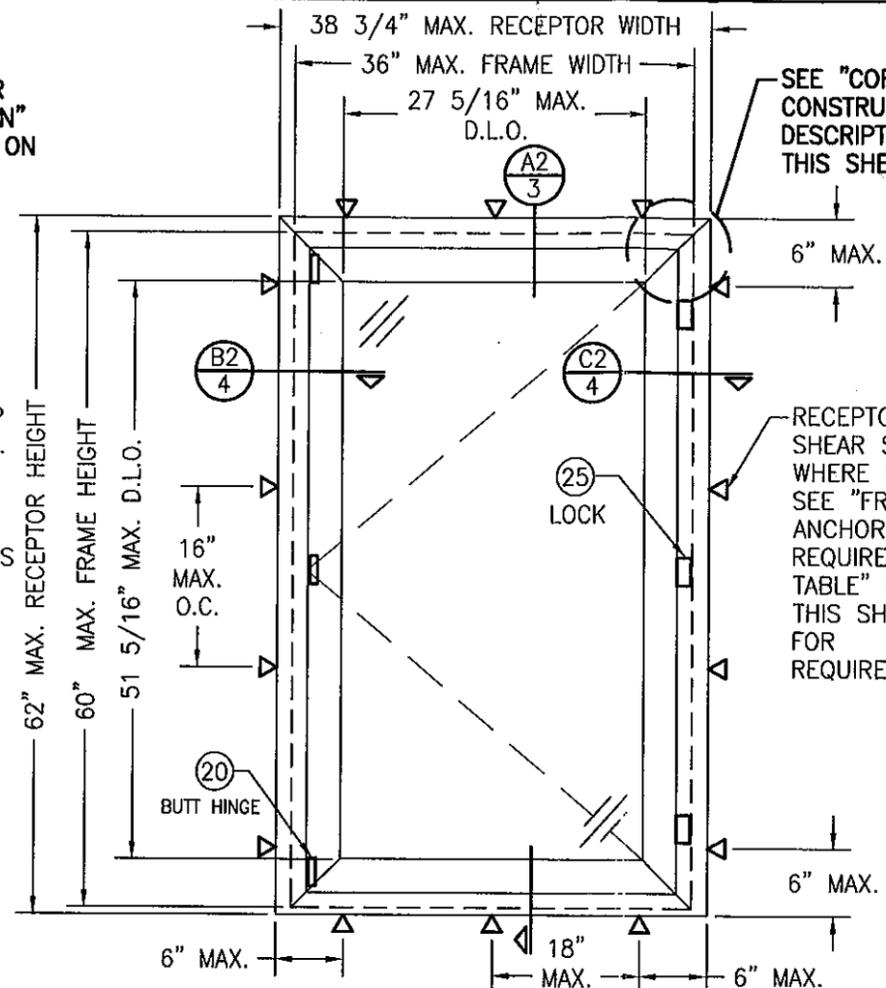
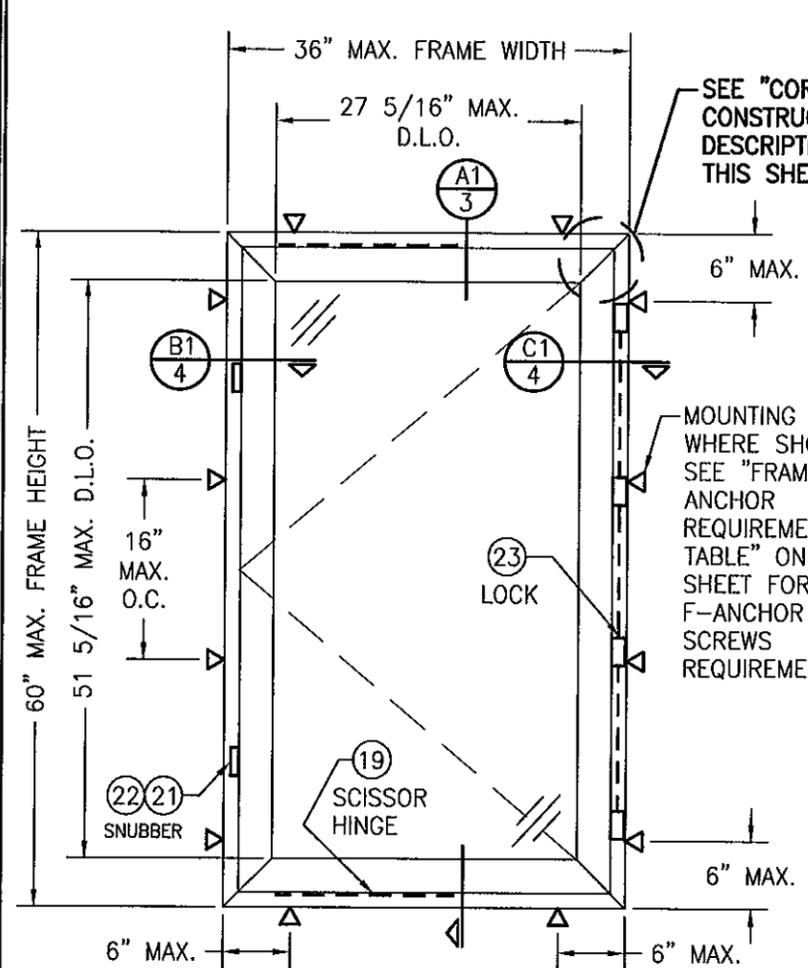
1. Notice of Acceptance No. **07-0810.03**, issued to Kawneer Company, Inc. for their Series “**AA900 Aluminum Casement Outswing Window – L.M.I.**”, approved on 12/27/07 and expiring on 12/27/12.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 11-1027.07
Expiration Date: December 27, 2012
Approval Date: January 19, 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: 1-16 DATE: 07/09/07



PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 11-102707 Expiration Date 12/27/2012 By Miami Dade Product Control

EXTERIOR ELEVATION
SINGLE WINDOW ANCHORED WITH MOUNTING CLIPS
 (NO RECEPTOR)

EXTERIOR ELEVATION
SINGLE WINDOW ANCHORED WITH RECEPTOR

EXTERIOR ELEVATION
SINGLE WINDOW DIRECT MOUNTED
WITH FRAME SHEAR SCREWS
 (NO RECEPTOR)

(MULTIPOINT LOCK, SNUBBER & SCISSOR HINGE CONDITION SHOWN. CAMLOCK & BUTT HINGE CONDITION ALSO APPLIES)
 SCALE: 3/4"=1'-0"

(CAMLOCK & BUTT HINGE CONDITION SHOWN. MULTIPOINT LOCK, SNUBBER & SCISSOR HINGE CONDITION ALSO APPLIES)
 SCALE: 3/4"=1'-0"

(MULTIPOINT LOCK, SNUBBER & SCISSOR HINGE CONDITION SHOWN. CAMLOCK & BUTT HINGE CONDITION ALSO APPLIES)
 SCALE: 3/4"=1'-0"

CAMLOCK REQUIREMENTS

MAX. WINDOW FRAME HEIGHT	NO. OF LOCK POINTS REQ'D
60"	3
40"	2

MULTIPOINT LOCK REQUIREMENTS

MAX. WINDOW FRAME HEIGHT	NO. OF LOCK POINTS REQ'D
60"	4
45"	3
30"	2

SNUBBER REQUIREMENTS
 2 PER WINDOW; ALL WINDOW SIZES

ALLOWABLE DESIGN PRESSURE
 +/-90 PSF

- GENERAL NOTES:**
- THESE WINDOW 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 LARGE MISSILE IMPACT WINDOWS.
 - 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).
 - IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
 - 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.
 - 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.
 - 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.
 - 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.

FRAME ANCHOR REQUIREMENTS TABLE
 (MOUNTING CLIP, RECEPTOR & MULLION CLIP SCREWS)

OPENING TYPE (SUBSTRATE)	FRAME/CLIP TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 14 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	(2) NO. 14 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	(2) NO. 14 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	(2) NO. 14 SELF TAP/DRILLING SCREW	FULL	1/2"
(3) C-90 CMU	(1) 1/4" CONCRETE SCREW	1 1/4"	()
2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/2"	()

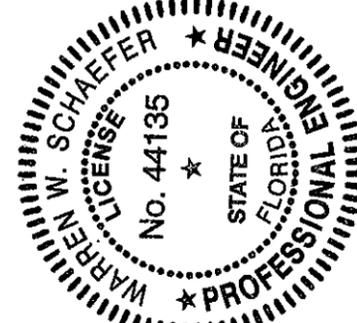
- CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ELCO CRETE-FLEX, ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).
- SELF TAP/DRILLING SCREWS SHALL BE GRADE 5 CORROSION RESISTANT STEEL.
- CMU IS APPLICABLE AT SIDES ONLY.

CORNER CONSTRUCTION:

JAMB CORNERS:
 MITERED, JOINED TOGETHER WITH A CORNER KEY, AND SECURED WITH (2) NO. 10 X 3/4" SMS SCREWS PER CORNER KEY AND SEALED WITH DOW 1199 SEALANT.

SASH CORNERS:
 MITERED, JOINED TOGETHER WITH A CORNER KEY, AND SECURED WITH (2) NO. 10 X 3/4" SMS SCREWS PER CORNER KEY AND SEALED WITH DOW 1199 SEALANT.

2" WITH MOUNTING CLIP
 2 1/2" WITH RECEPTOR



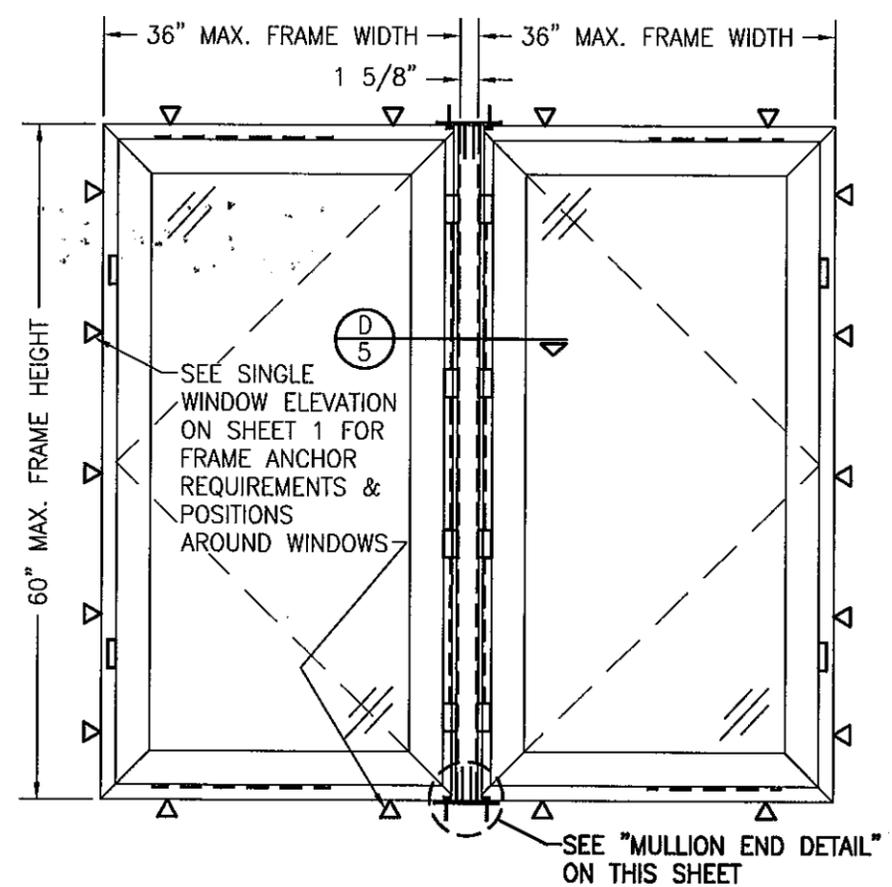
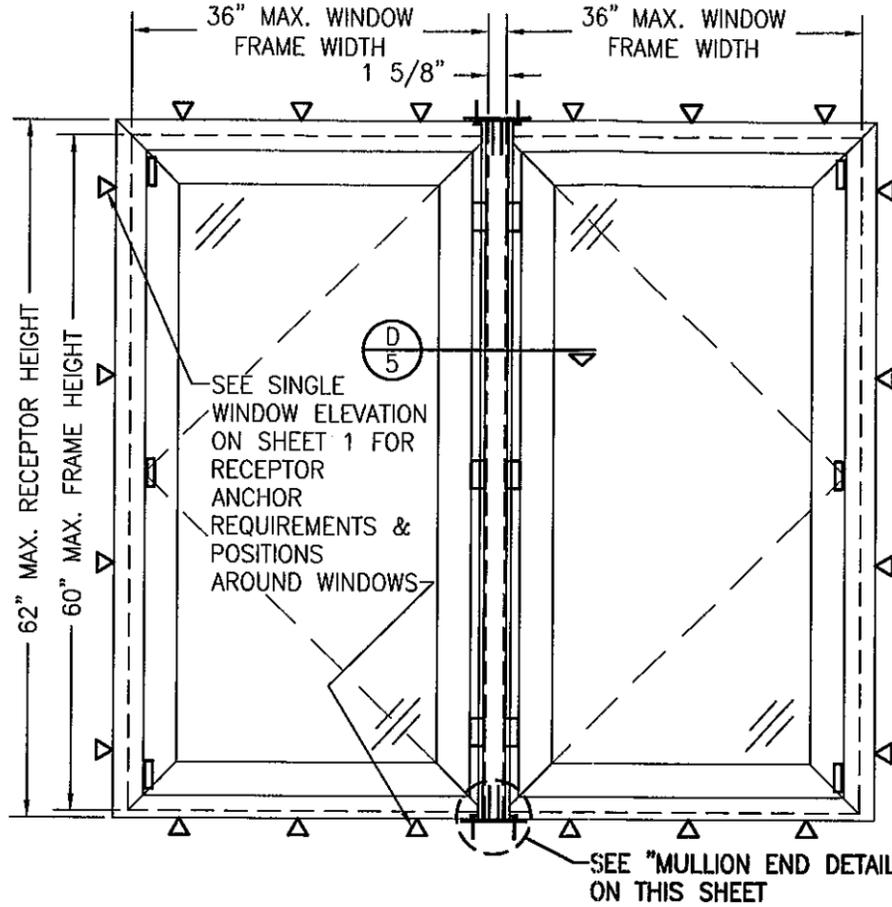
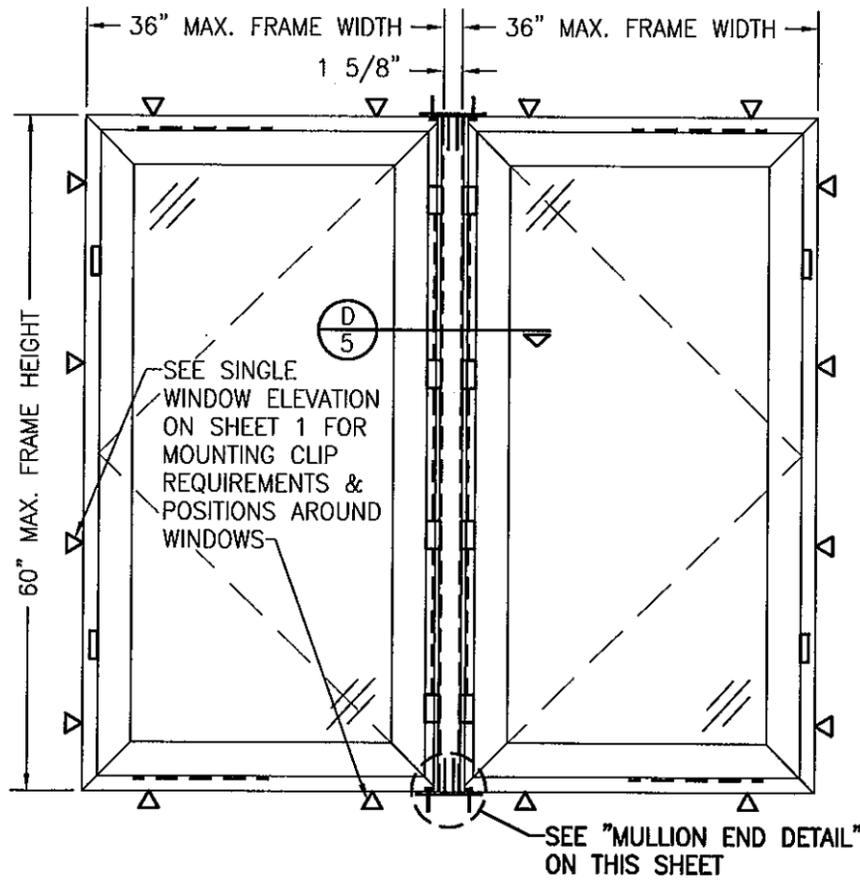
NO.	REVISION DESCRIPTION	BY	DATE
A1	UPDATE TO CURRENT STANDARDS & ADD GE MOMENTIVE	W.R.M.	10/10/11

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
 OCT 10 2011
 WARREN W. SCHAEFER, P.E.
 P.E. NO. 44135

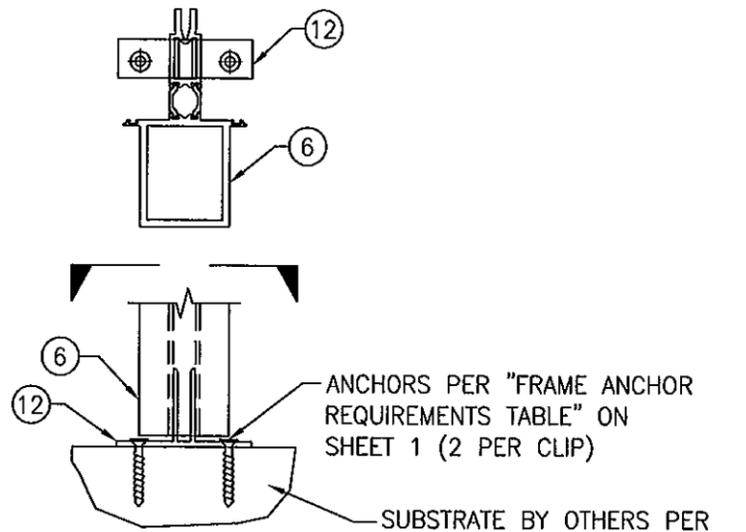
DRAWING NO. 1545 REV. A
 SHEET NO. 1 OF 6



EXTERIOR ELEVATION
MULTIPLE WINDOWS ANCHORED WITH MOUNTING CLIPS
 (NO RECEPTOR)
 (MULTIPOINT LOCK, SNUBBER & SCISSOR HINGE CONDITION SHOWN. CAMLOCK & BUTT HINGE CONDITION ALSO APPLIES)
 SCALE: 3/4"=1'-0"

EXTERIOR ELEVATION
MULTIPLE WINDOWS ANCHORED WITH RECEPTOR
 (CAMLOCK & BUTT HINGE CONDITION SHOWN. MULTIPOINT LOCK, SNUBBER & SCISSOR HINGE CONDITION ALSO APPLIES)
 SCALE: 3/4"=1'-0"

EXTERIOR ELEVATION
MULTIPLE WINDOW DIRECT MOUNTED WITH FRAME SHEAR SCREWS
 (NO RECEPTOR)
 (MULTIPOINT LOCK, SNUBBER & SCISSOR HINGE CONDITION SHOWN. CAMLOCK & BUTT HINGE CONDITION ALSO APPLIES)
 SCALE: 3/4"=1'-0"



MULLION END DETAIL
 (WINDOW FRAMES NOT SHOWN FOR CLARITY)
 SCALE: N.T.S.

- MULTIPLE UNIT NOTES:**
1. FOR ALL DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION.
 2. THERE IS NO LIMIT ON THE NUMBER OF WINDOWS THAT MAY BE COMBINED HORIZONTALLY INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERRED FROM THE WINDOWS & THEIR MULLIONS.
 3. LOCK SIDE OF WINDOWS MAY BE AT MULLION SIDE OR OPENING SIDE.

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 11-1027/07
 Expiration Date 12/27/2012
 By *[Signature]*
 Miami Dade Product Control



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 07/09/07
NO.	REVISION DESCRIPTION
BY	DATE

DRAWING TITLE AA900 ISOWEB OUT-SWING L.M.I. CASEMENT WINDOW

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
 7480 150TH COURT NORTH
 PALM BEACH GARDENS, FL 33418
 PHONE: 561-744-3924

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

CERTIFICATION	REV.
OCT 10 2011	A
DRAWING NO.	REV.
1545	A
SHEET NO.	
2 OF 6	

SUBSTRATE BY OTHERS
(PER FRAME ANCHOR REQUIREMENTS
TABLE ON SHEET 1)

MOUNTING CLIP SCREW PER
ANCHOR REQUIREMENTS
TABLE ON SHEET 1

RECEPTOR SCREW
PER ANCHOR
REQUIREMENTS TABLE
ON SHEET 1

SUBSTRATE BY OTHERS
(PER FRAME ANCHOR
REQUIREMENTS TABLE ON SHEET 1)

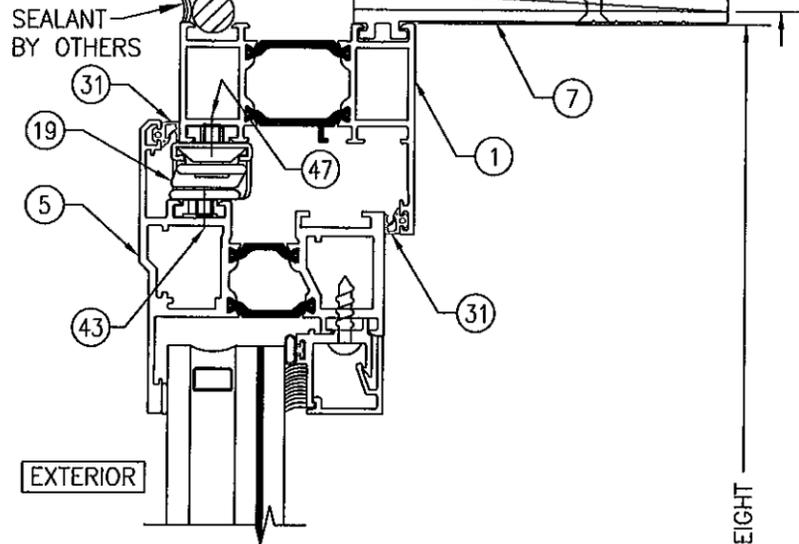
SUBSTRATE BY OTHERS
(PER FRAME ANCHOR
REQUIREMENTS TABLE
ON SHEET 1)

FRAME SHEAR SCREW
PER ANCHOR
REQUIREMENTS TABLE
ON SHEET 1

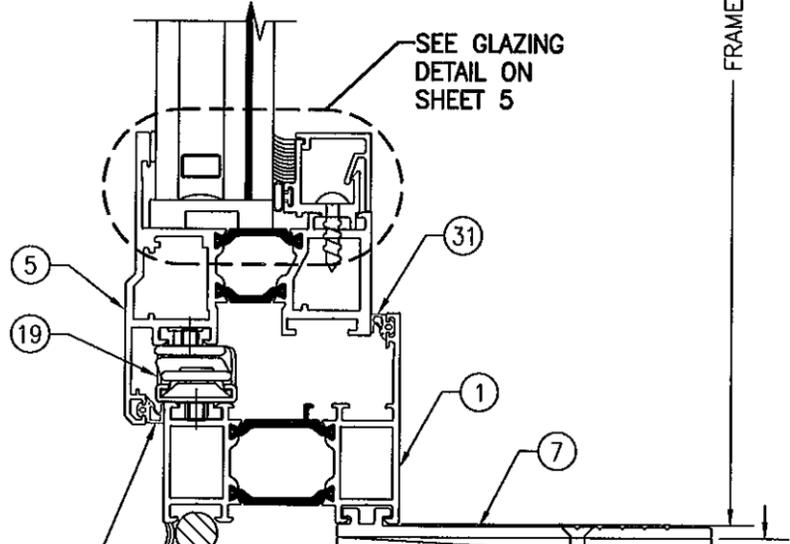
3/8" MAX.
SHIM AT
EACH ANCHOR

1 1/2" X 4 1/4"
SHIM AT EACH F-ANCHOR
(MAX. 1/4" THICK)

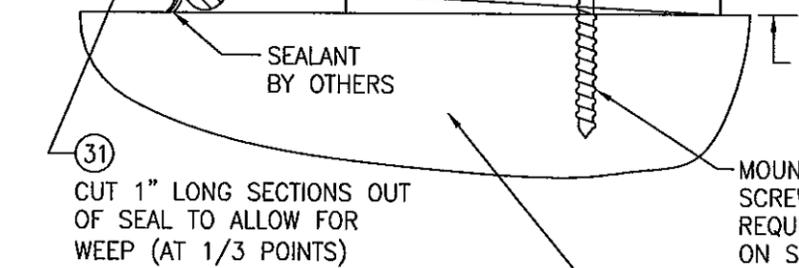
3/8" MAX.
SHIM AT
EACH ANCHOR



EXTERIOR



SEE GLAZING
DETAIL ON
SHEET 5



CUT 1" LONG SECTIONS OUT
OF SEAL TO ALLOW FOR
WEEP (AT 1/3 POINTS)

SECTION A1
SCALE: 1/2 FULL 3

SUBSTRATE BY OTHERS
(PER FRAME ANCHOR
REQUIREMENTS TABLE
ON SHEET 1)

MOUNTING CLIP
SCREW PER ANCHOR
REQUIREMENTS TABLE
ON SHEET 1

CUT 1" LONG SECTIONS
OUT OF SEAL TO ALLOW
FOR WEEP (AT 1/3
POINTS)

1 1/2" X 4 1/4"
SHIM AT EACH F-ANCHOR
(MAX. 1/4" THICK)

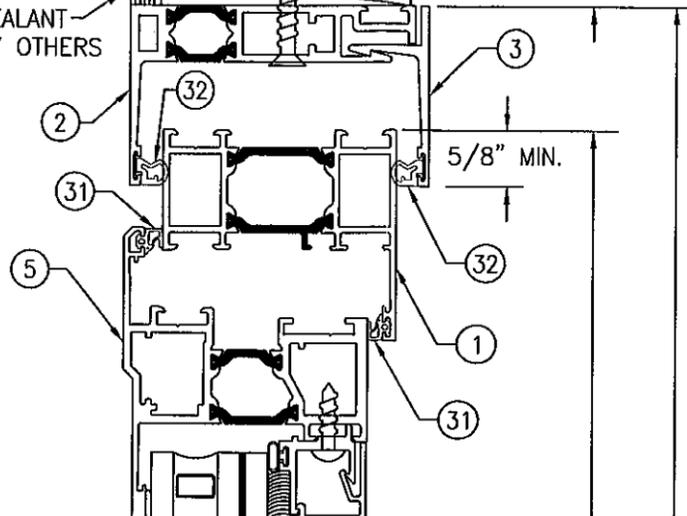
SEALANT BY OTHERS

RECEPTOR SCREW PER
ANCHOR REQUIREMENTS
TABLE ON SHEET 1

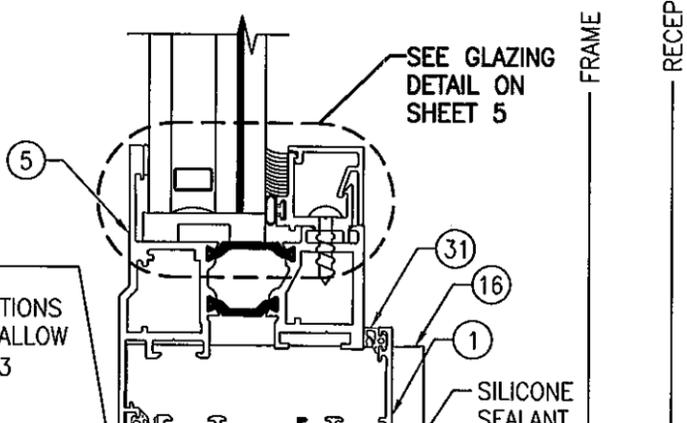
SECTION A2
SCALE: 1/2 FULL 3

SUBSTRATE BY OTHERS
(PER FRAME ANCHOR
REQUIREMENTS TABLE
ON SHEET 1)

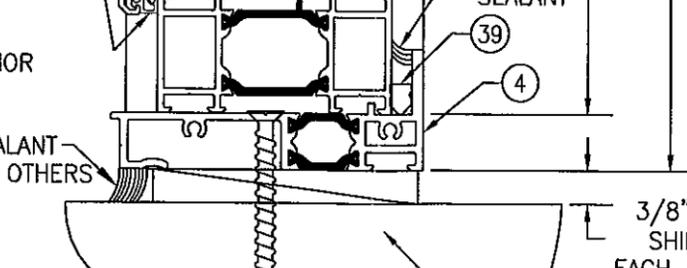
SEALANT BY OTHERS



EXTERIOR



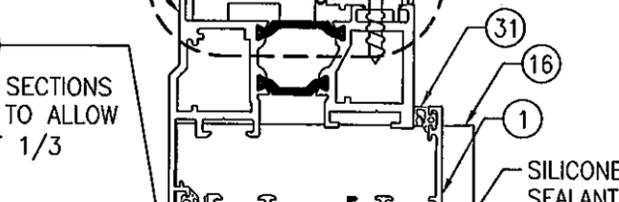
SEE GLAZING
DETAIL ON
SHEET 5



3/8" MAX.
SHIM AT
EACH ANCHOR

SUBSTRATE BY OTHERS
(PER FRAME ANCHOR
REQUIREMENTS TABLE
ON SHEET 1)

SEALANT BY OTHERS



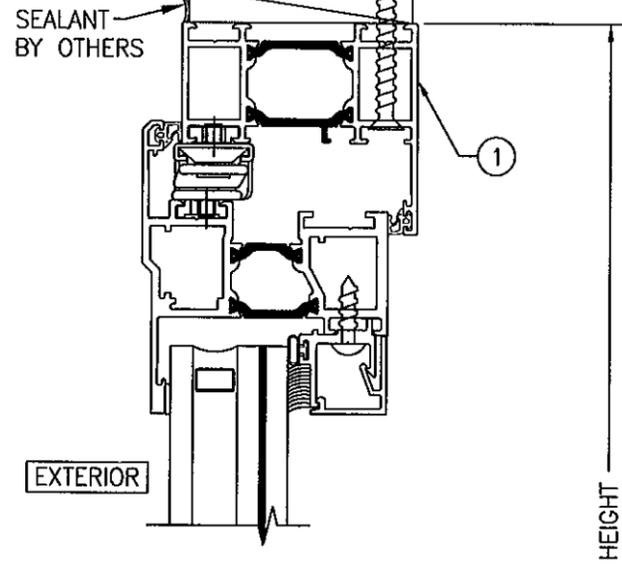
SEE GLAZING
DETAIL ON
SHEET 5

SILICONE
SEALANT

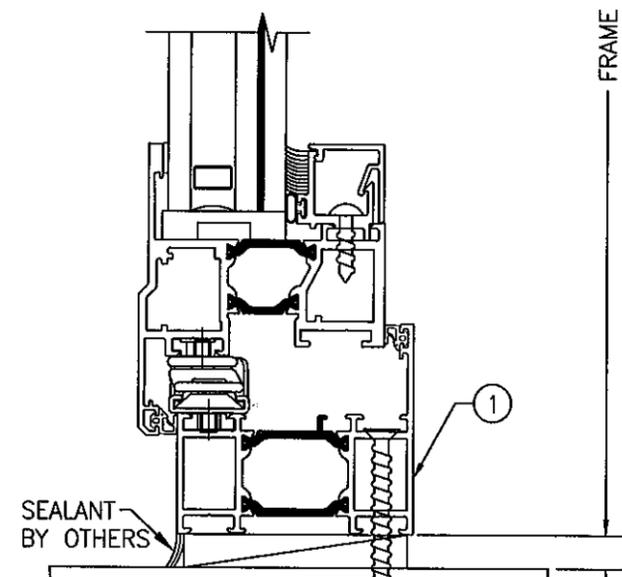
3/8" MAX.
SHIM AT
EACH ANCHOR

SECTION A2
SCALE: 1/2 FULL 3

SEALANT BY OTHERS



EXTERIOR



SEALANT BY OTHERS

SUBSTRATE BY OTHERS
(PER FRAME ANCHOR
REQUIREMENTS TABLE
ON SHEET 1)

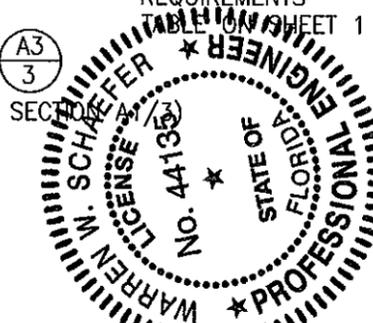
3/8" MAX.
SHIM AT
EACH ANCHOR

SUBSTRATE BY OTHERS
(PER FRAME ANCHOR
REQUIREMENTS TABLE
ON SHEET 1)

FRAME SHEAR SCREW PER
ANCHOR
REQUIREMENTS
TABLE ON SHEET 1

SECTION A3
SCALE: 1/2 FULL 3
(FOR DETAIL NOT SHOWN, SEE SECTION A3)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1027-07
Expiration Date 12/29/2012
By [Signature]
Miami Dade Product Control



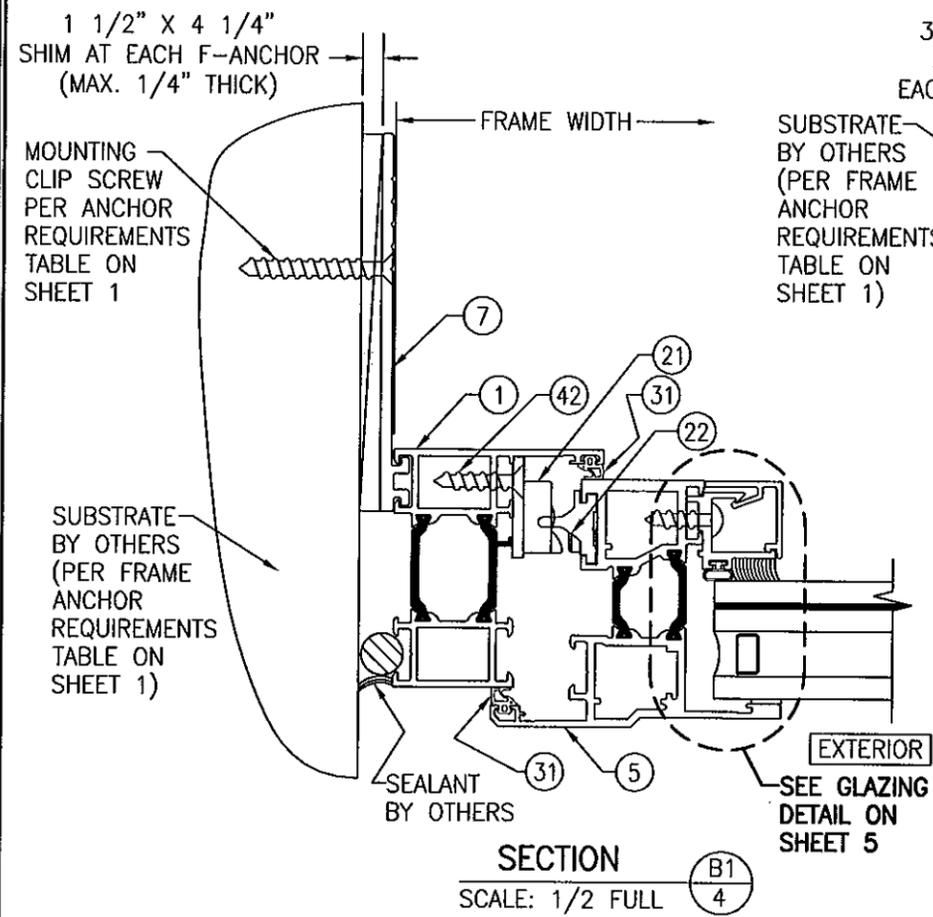
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 07/09/07
NO.	REVISION DESCRIPTION
DATE	BY

DRAWING TITLE
AA900 ISOWEB OUT-SWING L.M.I. CASEMENT WINDOW

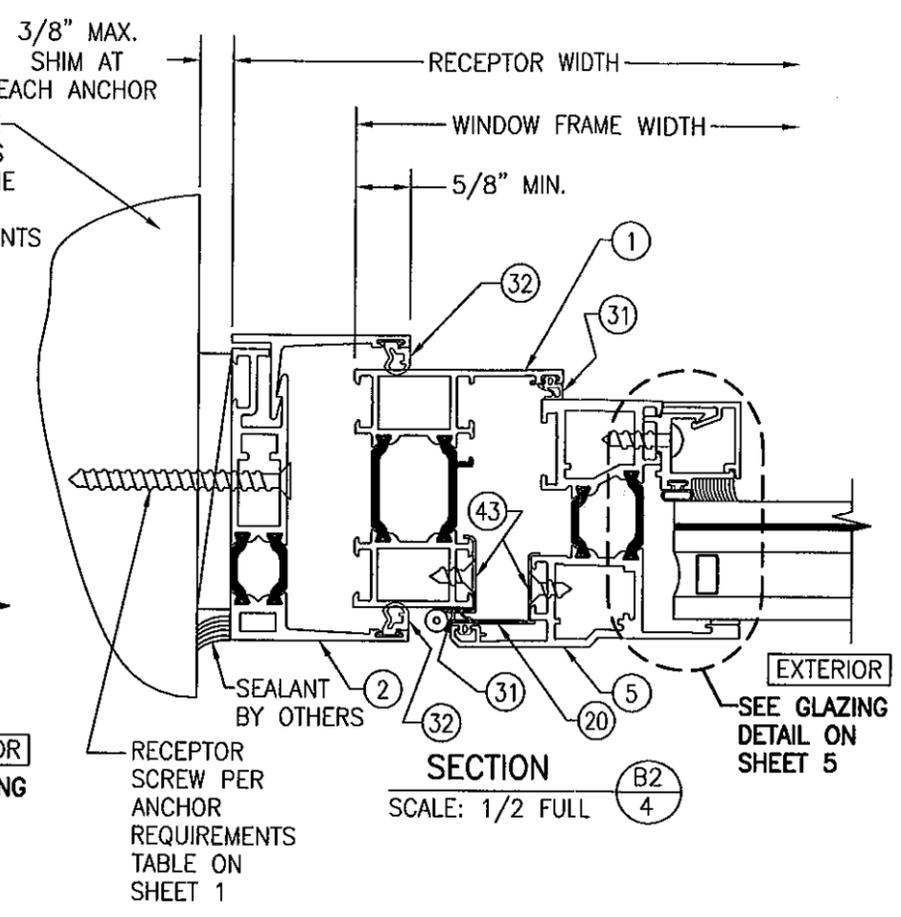
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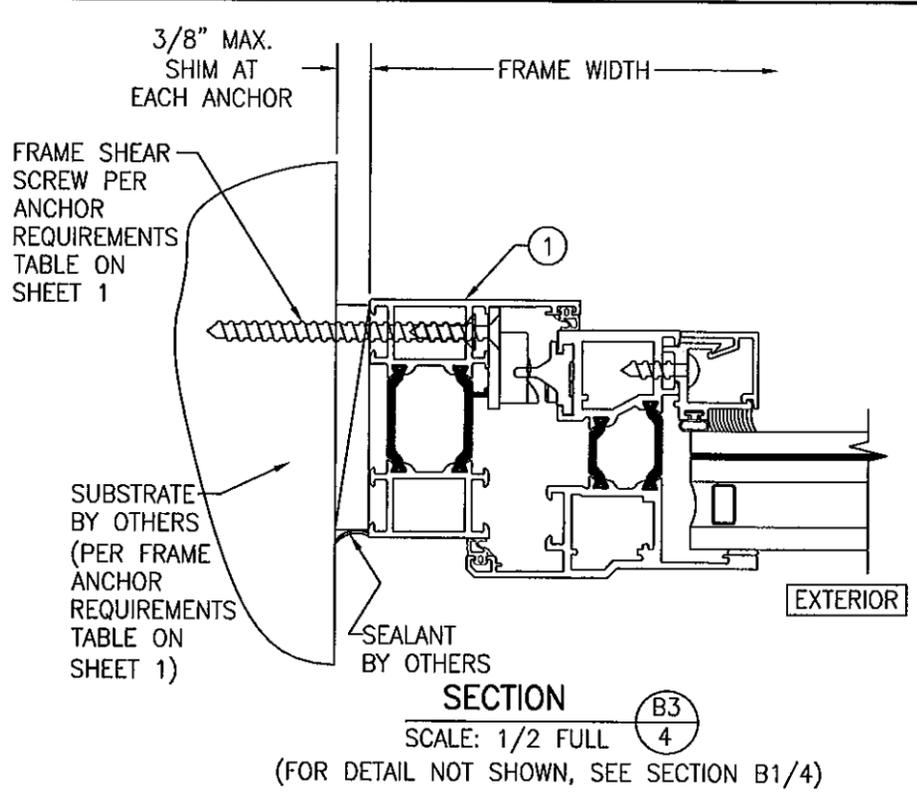
CERTIFICATION	OCT 10 2011
WARREN W. SCHAEFER, P.E.	P.E. NO. 44135
DRAWING NO.	REV.
1545	A
SHEET NO.	3 OF 6



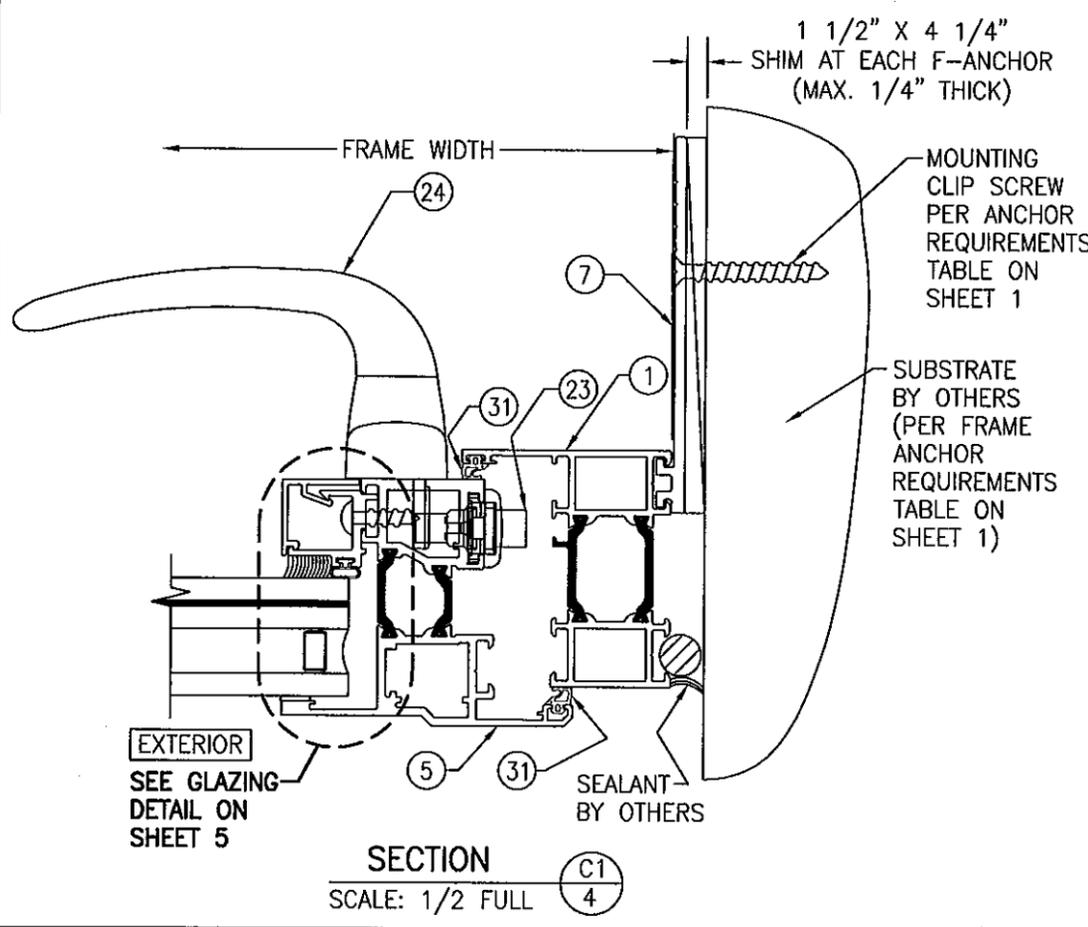
SECTION B1
SCALE: 1/2 FULL



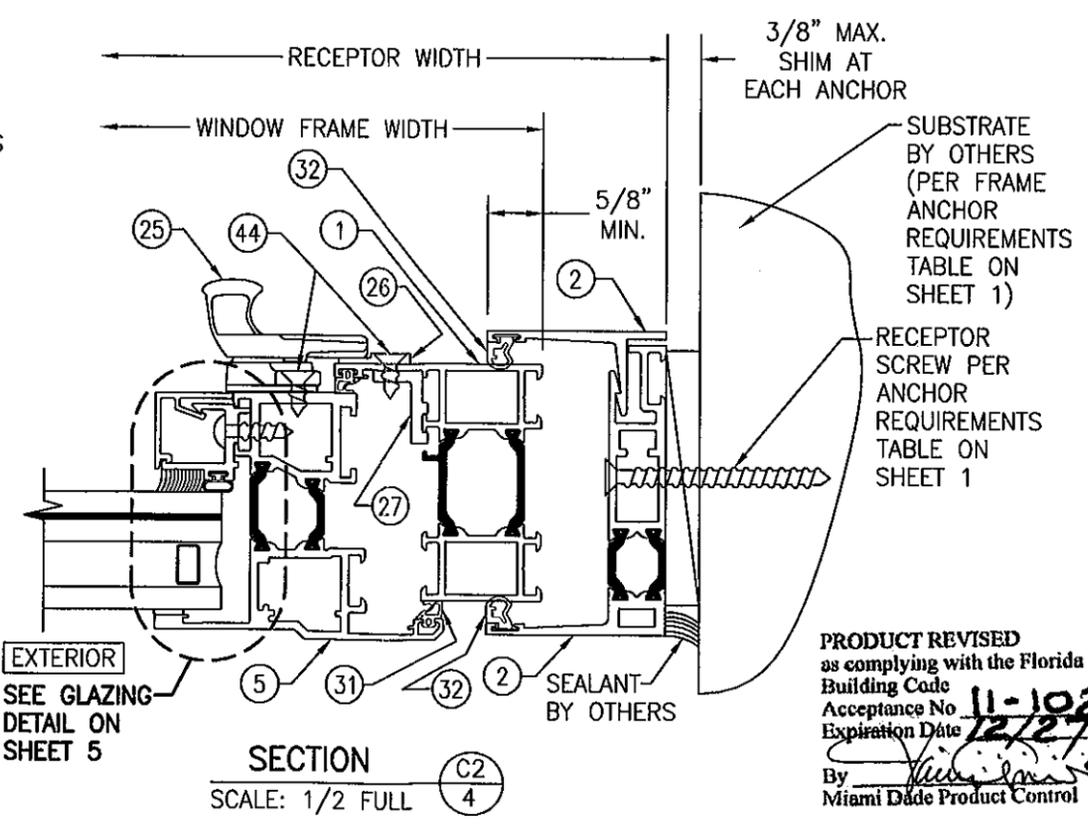
SECTION B2
SCALE: 1/2 FULL



SECTION B3
SCALE: 1/2 FULL
(FOR DETAIL NOT SHOWN, SEE SECTION B1/4)



SECTION C1
SCALE: 1/2 FULL



SECTION C2
SCALE: 1/2 FULL

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1027-07
Expiration Date 12/27/2012
By [Signature]
Miami Dade Product Control



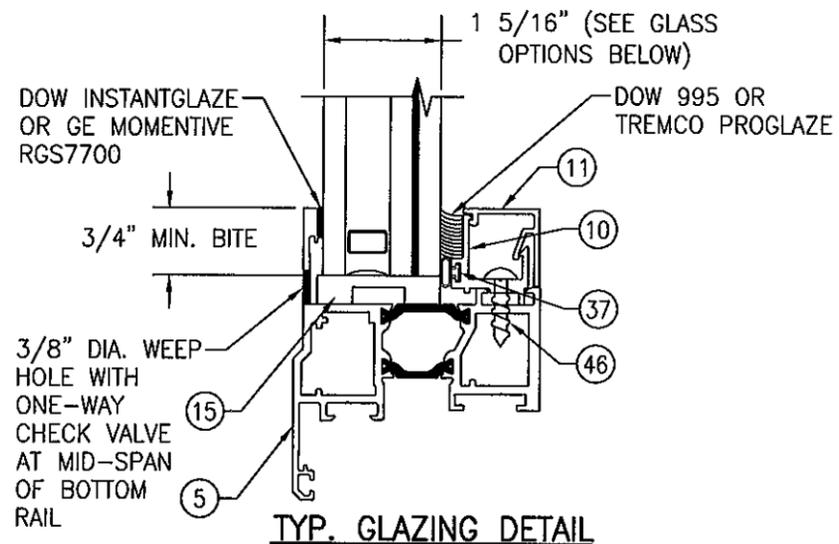
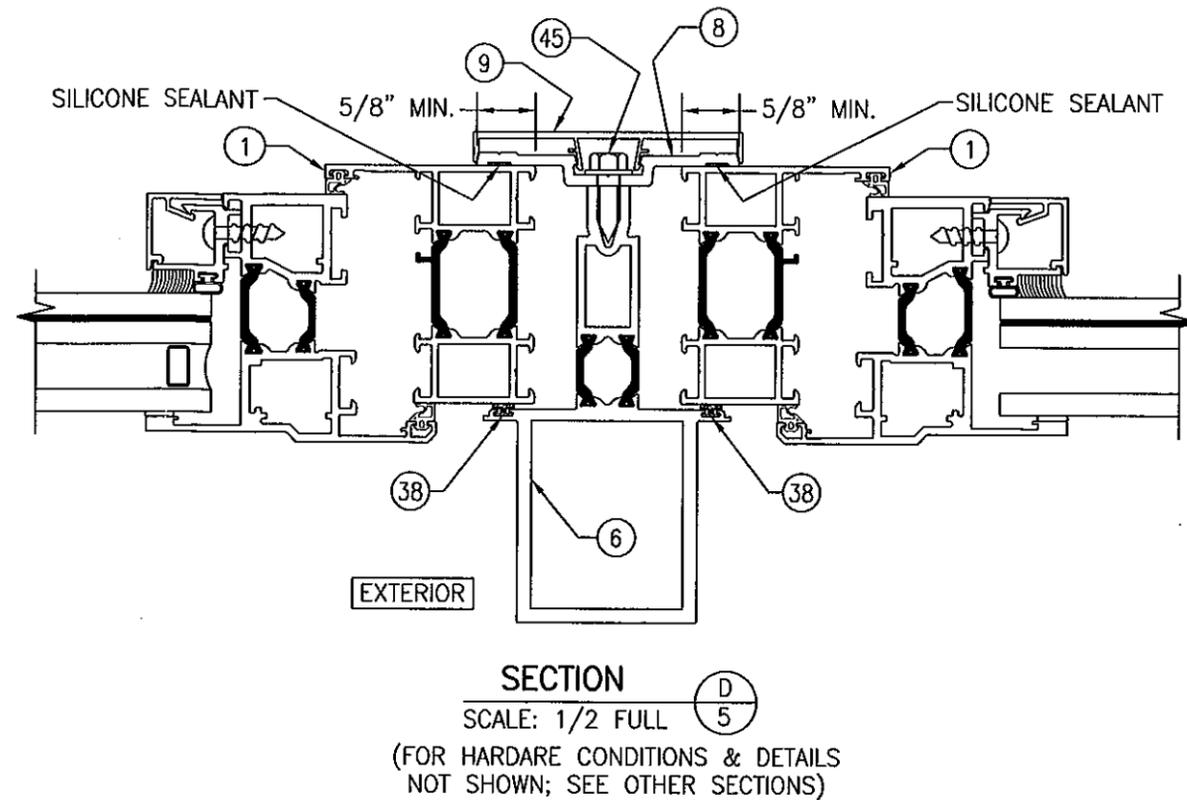
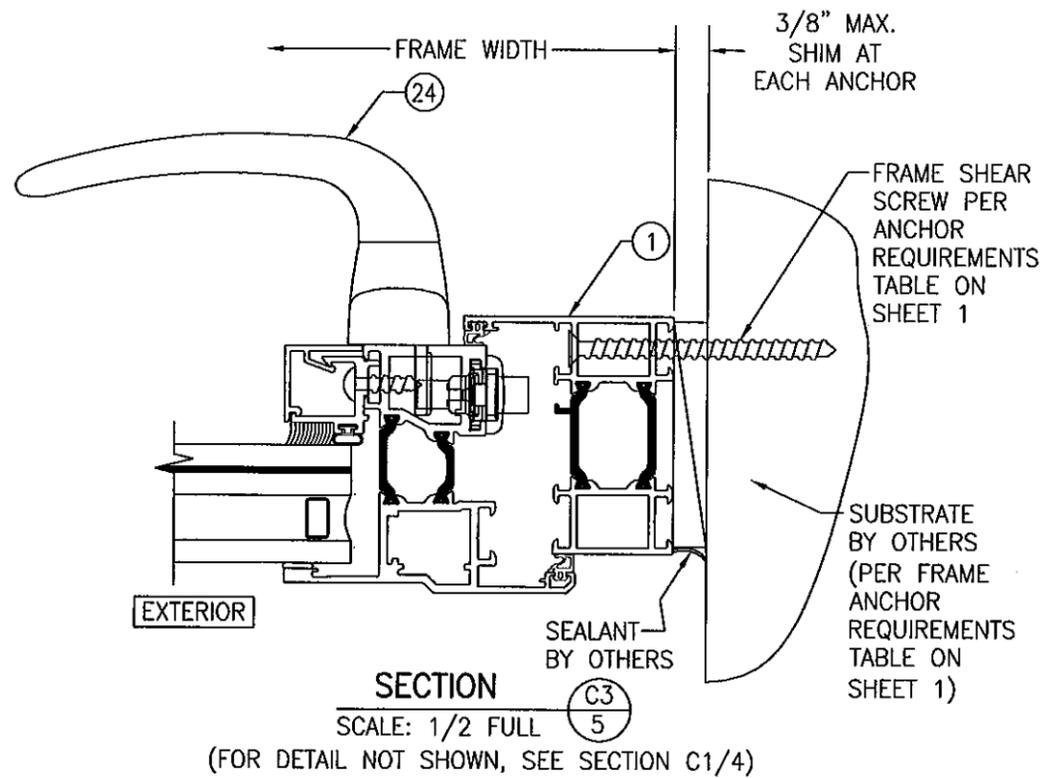
DRAWN BY:	W.R.M.	CHECKED BY:	W.W.S.
PLOT:	1=2	DATE:	07/09/07
NO.		REVISION DESCRIPTION	

DRAWING TITLE: AA900 ISOWEB OUT-SWING L.M.I. CASEMENT WINDOW

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	OCT 10 2011
DRAWING NO.	1545
REV.	A
SHEET NO.	4 OF 6

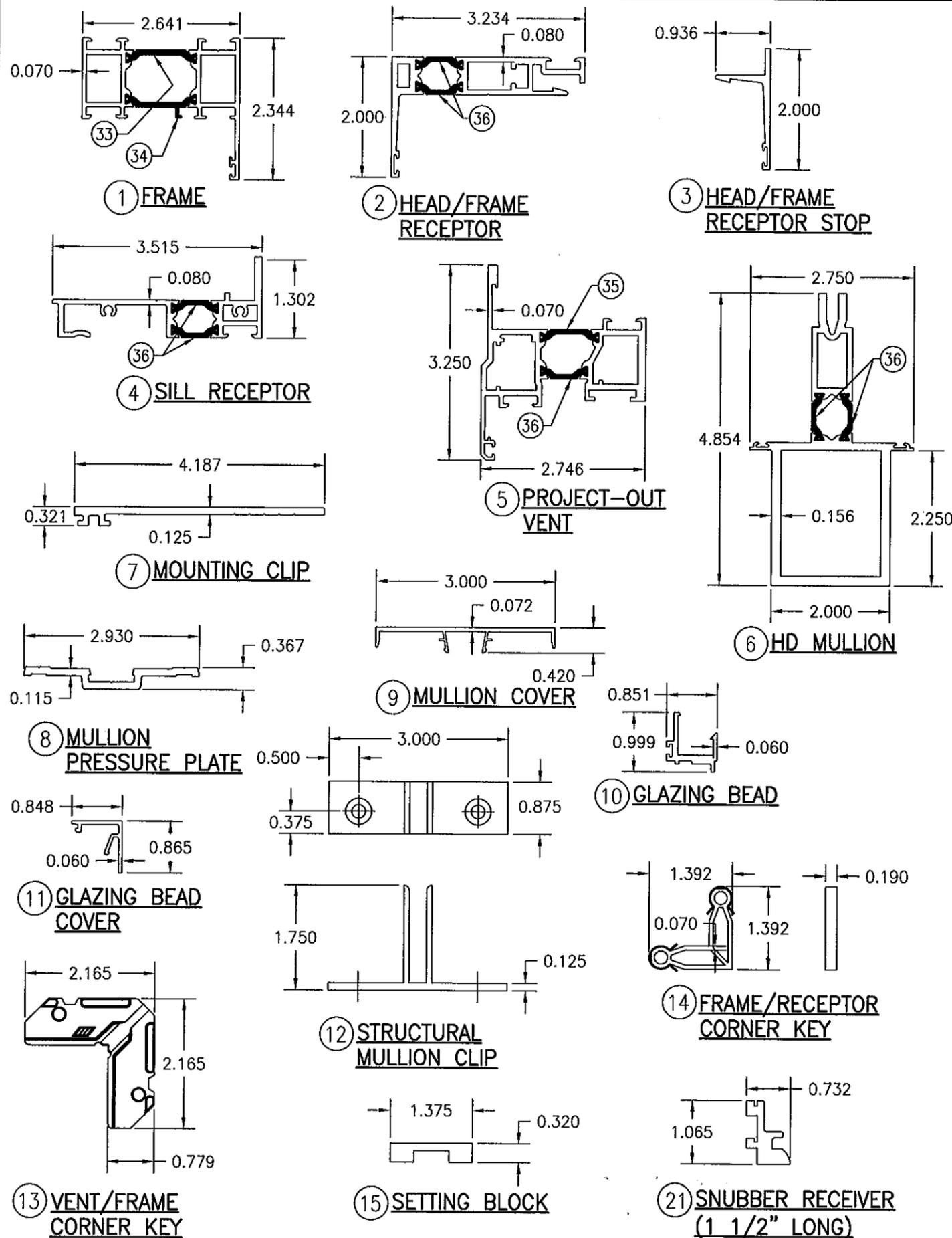


- GLASS OPTION 1: 1 5/16" LAMINATED I.G. (1/4" HT.ST./0.075" SOLUTIA VANCEVA/1/4" HT.ST. INTERIOR; 1/2" AIR SPACE; 1/4" TEMP. EXTERIOR)
- GLASS OPTION 2: 1 5/16" LAMINATED I.G. (1/4" HT.ST./0.10" SOLUTIA SAFLEX HP/1/4" HT.ST. INTERIOR; 1/2" AIR SPACE; 1/4" TEMP. EXTERIOR)
- GLASS OPTION 3: 1 5/16" LAMINATED I.G. (1/4" HT.ST./0.090" DUPONT SG/1/4" HT.ST. INTERIOR; 1/2" AIR SPACE; 1/4" TEMP. EXTERIOR)
- GLASS OPTION 4: 1 5/16" LAMINATED I.G. (1/4" HT.ST./0.090" SOLUTIA SALFEX IIG PVB/1/4" HT.ST. INTERIOR; 1/2" AIR SPACE; 1/4" TEMP. EXTERIOR)
- GLASS OPTION 5: 1 5/16" LAMINATED I.G. (1/4" HT.ST./0.090" DUPONT BUTICITE PVB/1/4" HT.ST. INTERIOR; 1/2" AIR SPACE; 1/4" TEMP. EXTERIOR)

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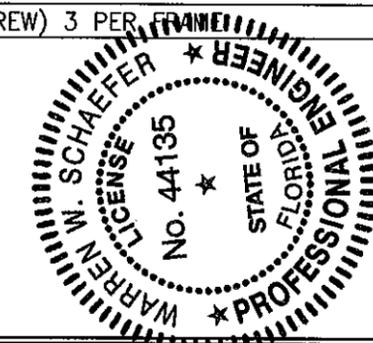


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PLOT: 1-2	DATE: 07/09/07
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE AA900 ISOWEB OUT-SWING L.M.I. CASEMENT WINDOW	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555
CERTIFICATION OCT 10 2011 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1545 REV. A SHEET NO. 5 OF 6



ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	248-200	FRAME	6063-T6 ALUMINUM
2	248-205	HEAD/FRAME RECEPTOR	6063-T6 ALUMINUM
3	248-018	HEAD/FRAME RECEPTOR STOP	6063-T6 ALUMINUM
4	248-209	SILL RECEPTOR	6063-T6 ALUMINUM
5	248-206	PROJECT-OUT VENT	6063-T6 ALUMINUM
6	248-212	HD MULLION	6063-T6 ALUMINUM
7	248-448	MOUNTING CLIP	6063-T6 ALUMINUM
8	248-025	MULLION PRESSURE PLATE	6063-T6 ALUMINUM
9	248-026	MULLION COVER	6063-T6 ALUMINUM
10	248-067	GLAZING BEAD	6063-T6 ALUMINUM
11	248-068	GLAZING BEAD COVER	6063-T6 ALUMINUM
12	248-466	STRUCTURAL MULLION CLIP	6063-T6 ALUMINUM
13	248-415	VENT/FRAME CORNER KEY	CAST ALUMINUM
14	716-413	FRAME/RECEPTOR CORNER KEY	CAST ZINC/CARBON STEEL
15	127-132	SETTING BLOCK	EPDM (QTY. AS REQUIRED)
16	248-463	3.35" X 2.75" X 0.063" SUB-SILL END DAM PLATE	5052 H32 ALUMINUM
HARDWARE			
19	248-451	4-BAR HINGE (2 PER WINDOW; ALL WINDOW SIZES)	6061-T6 ALUMINUM BY: ADVANTAGE MANUFACTURING
20	248-475	BUTT HINGE	6063-T6 ALUMINUM
21	248-435	SNUBBER RECEIVER	BY: ADVANTAGE MANUFACTURING
22	248-425	SNUBBER DRIVER	BY: ADVANTAGE MANUFACTURING
23	248-433	MULTIPOINT LOCK	BY: GIESSE
24	248-428	HANDLE TO OPERATE MULTIPOINT LOCK	BY: GIESSE
25	225-405/406	CAMLOCK/HANDLE	BY: BRONZE CRAFT
26	248-423	CAMLOCK HANDLE STRIKE	BY: ADVANTAGE MANUFACTURING
27	248-441	CAMLOCK STRIKE BACKUP PLATE	6063-T6 ALUMINUM
SEALS AND SEALANTS			
31	127-112	VENT WEATHERING	EPDM
32	027-883	1/4" RECEPTOR WEATHERING	FLEXIBLE PVC
33	248-400	DEBRIDGING/THERMAL BREAK	TECATHERM-66-GF
34	248-401	DEBRIDGING/THERMAL BREAK	TECATHERM-66-GF
35	248-403	DEBRIDGING/THERMAL BREAK	TECATHERM-66-GF
36	248-404	DEBRIDGING/THERMAL BREAK	TECATHERM-66-GF
37	127-074	0.215" BULB GASKET	POLYPROPYLENE
38	027-874	WEATHERING	VISTAPLEX/POLYPROPYLENE
39	127-038	1/4" SEALANT SPACER	SCR-900
MISC. FASTENERS			
42	028-520	#10 X 1" FHTF SCREW	1 PER SNUBBER
43	128-940	#10-32 X 1/4" PHMS TORX SCREW	(HINGE SCREW) 2 PER VENT
44	128-415	#10 X 7/16" FHTF SCREW	4 PER CAMLOK ASSEMBLY
45	128-943	1/4" X 3/4" HHTF SCREW	WITHIN 3" OF CORNERS & 9 MAX. O.C.
46	128-507	#10 X 3/4" PHTF SCREW	WITHIN 3" OF CORNERS & 18 MAX. O.C.
47	128-534	#10 X 5/8" FHTFS SCREW	(HINGE SCREW) 3 PER VENT

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CERTIFICATION: OCT 10 2011
 WARREN W. SCHAEFER, P.E.
 LICENSE NO. 44135

DRAWING NO. 1545
 REV. A
 SHEET NO. 6 OF 6