



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
Miami, Florida 33175-2474
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 "8430 TL" Aluminum Single Hung Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. 1547, Series titled "8430 TL Single Hung Window (Large Missile Impact)", sheets 01 through 06 of 06, dated 07/09/07 with revision "B1", dated 06/25/12, 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: 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.

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 **renews NOA No. 11-1013.25** 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
10/19/12

NOA No. 12-0823.12
Expiration Date: October 19, 2017
Approval Date: October 25, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 07-0810.05)
2. Drawing No. 1547, Series titled "8430 TL Single Hung Window (Large Missile Impact)", sheets 01 through 06 of 06, dated 07/09/07 with revision "B1", dated 06/25/12, 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) 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 202-94along with marked-up drawings and installation diagram of an outswing Aluminum casement window, prepared by Hurricane Testing Laboratory, LLC, Test Report No. HTL-G049-0201-07, dated 06/06/07, signed and sealed by Vinu J. Abraham, P. E.
(Submitted under previous NOA No. 07-0810.05)

C. CALCULATIONS

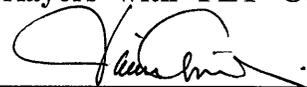
1. Anchor verification calculations and structural analysis, complying with **FBC-2010**, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 10/10/11, signed and sealed by Warren W. Schaefer, P. E.
2. Glazing complies with ASTM E1300-98/ 02

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 11-0624.02 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Sentry Glass® Interlayer" dated 05/26/10, 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.
3. 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. Notice of Acceptance No. 11-1102.09 issued to Solutia, Inc. for their "Saflex CP - Saflex and Saflex HP Composites Glass Interlayers with PET Core" dated 06/14/12, expiring on 12/11/13.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-0823.12
Expiration Date: October 19, 2017
Approval Date: October 25, 2012

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F. STATEMENTS

1. Statement letter of the exterior sealant change from “DOW Corning InstantGlaze” to “Novaguard SBC40–M170”, dated 06/25/12, signed by Warren W. Schaefer, P. E.
2. 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 08/30/11, signed by Manuel Perez, P. E.
3. Statement letter of conformance and compliance with the FBC–2007, **FBC–2010** and ANSI/ AAMA/ NWWDA 101/ I.S. 2–97, dated 10/10/11 signed and sealed by Warren W. Schaefer, P. E.
(Submitted under previous NOA No. 11–1013.25)
4. Statement letter of no financial interest and independence, dated 10/10/11, signed and sealed by Warren W. Schaefer, P. E.
(Submitted under previous NOA No. 11–1013.25)
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. 07–0810.05)

G. OTHERS

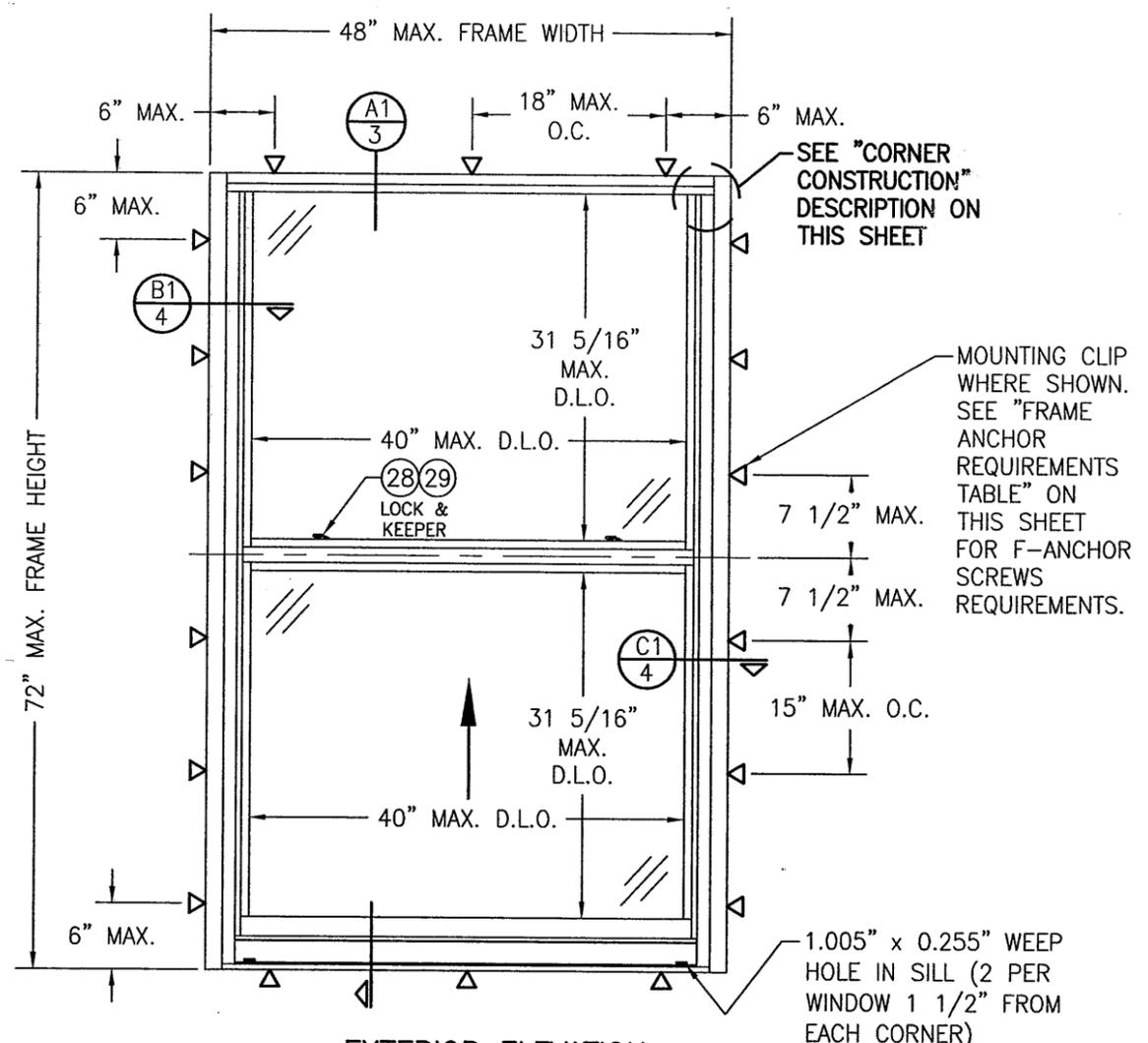
1. Notice of Acceptance No. **11–1013.25**, issued to Kawneer Company, Inc. for their Series “**8430 TL Aluminum Single Hung Window – L.M.I.**”, approved on 03/01/12 and expiring on 10/19/12.



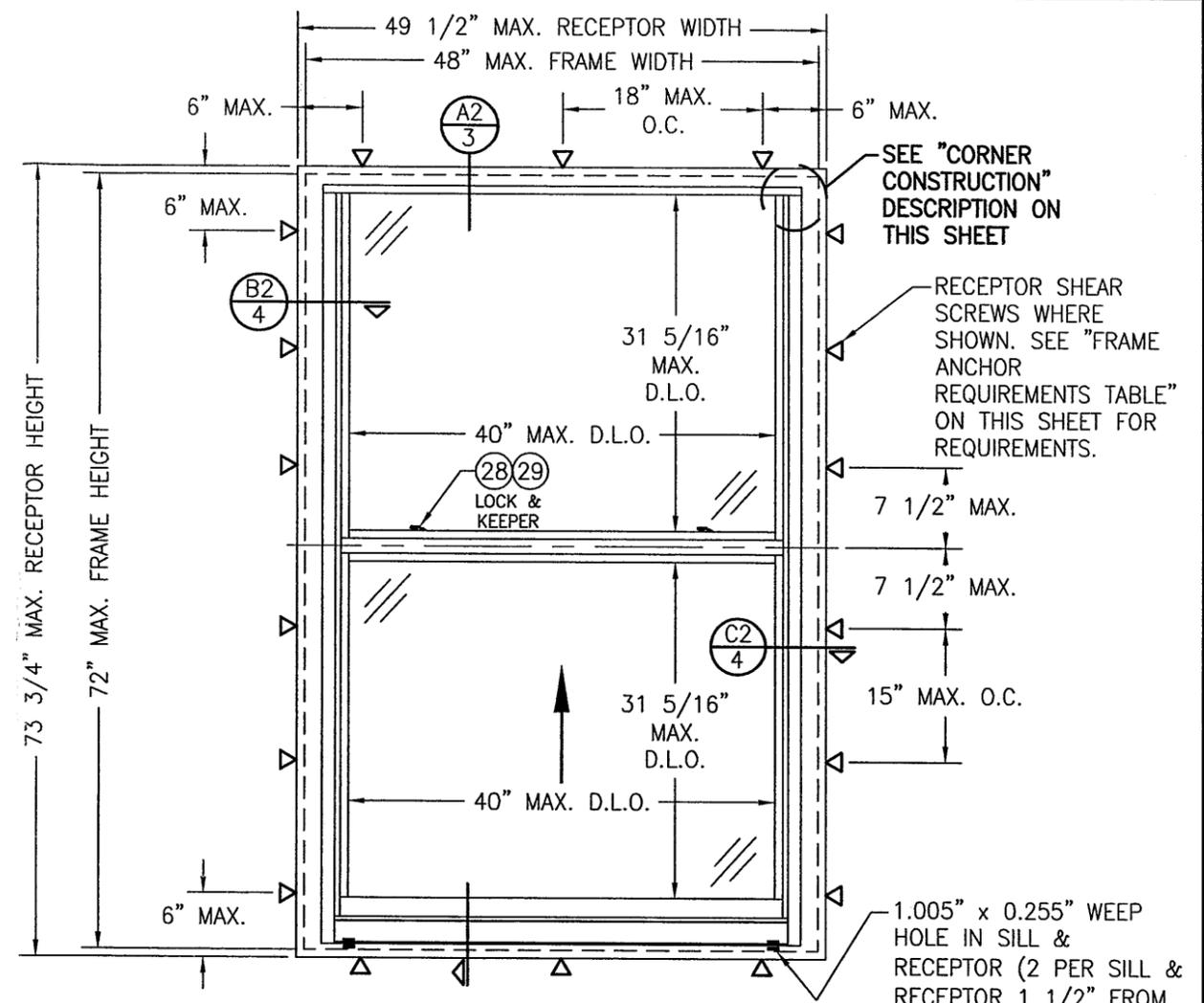
Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12–0823.12
Expiration Date: October 19, 2017
Approval Date: October 25, 2012

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.S.S.
DATE:	10/10/11	DATE:	07/09/07
REVISION DESCRIPTION	NO.	BY	DATE
A1			
B1			



EXTERIOR ELEVATION
SINGLE HUNG WINDOW ANCHORED WITH MOUNTING CLIPS
 (NO RECEPTOR)
 SCALE: 3/4"=1'-0"



EXTERIOR ELEVATION
SINGLE HUNG WINDOW ANCHORED WITH RECEPTOR
 SCALE: 3/4"=1'-0"

ALLOWABLE DESIGN PRESSURE
 +/-90 PSF

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 LARGE 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. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
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.

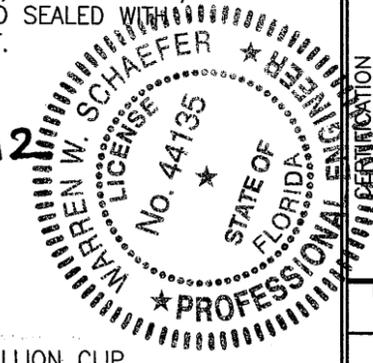
OPENING TYPE (SUBSTRATE)	FRAME/CLIP TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 14 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	(2) NO. 14 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	(2) NO. 14 SELF TAP/DRILLING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

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

CORNER CONSTRUCTION

- JAMB CORNERS:**
 COPED, SECURED WITH TWO (2) NO. 8 X 1 1/4" S.S. SCREWS PER CORNER AND SEALED WITH TREMCO-TREMSIL 600 SEALANT.
- SASH CORNERS:**
 COPED, SECURED WITH TWO (2) NO. 8 X 1 1/4" S.S. SCREWS PER CORNER AND SEALED WITH TREMCO-TREMSIL 600 SEALANT.

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. 12-0823.12 Expiration Date 10/19/2017
 By *Warren W. Schaefer*
 Miami Dade Product Control



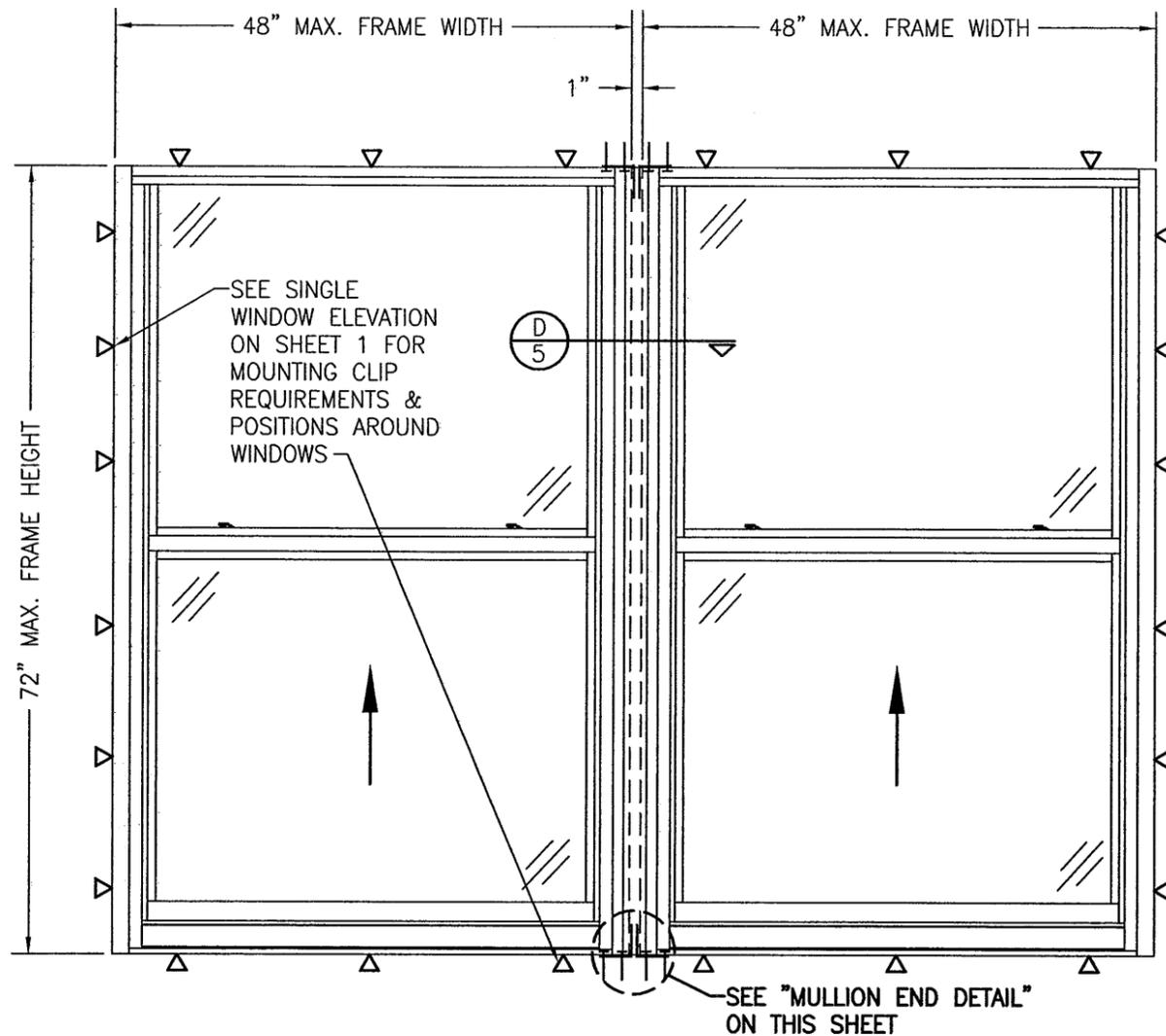
DRAWING TITLE: 8430TL SINGLE HUNG WINDOW (LARGE MISSILE IMPACT)

MANUFACTURER: KAWNEER COMPANY, INC.
 555 GUTHRIE 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

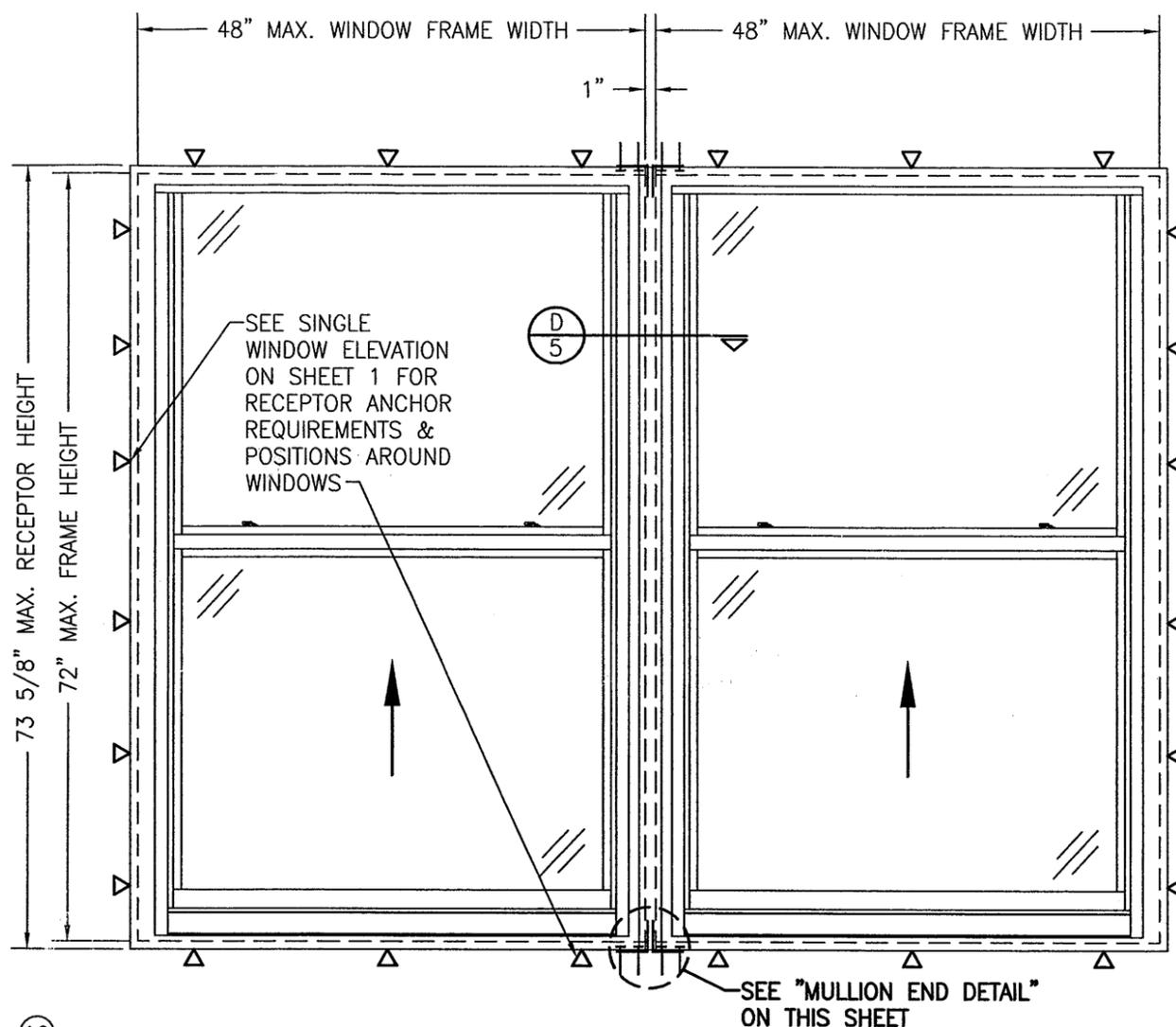
DRAWING NO.	1547	REV.	B
SHEET NO.	1	OF	6

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



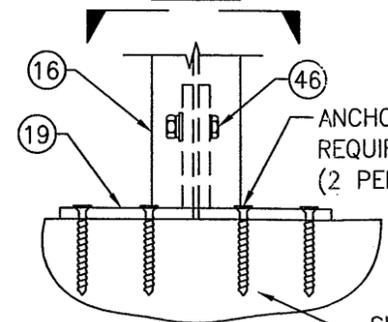
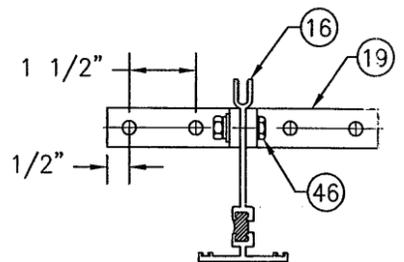
EXTERIOR ELEVATION
MULTIPLE WINDOWS ANCHORED WITH MOUNTING CLIPS
(NO RECEPTOR)

SCALE: 3/4"=1'-0"
 FOR WINDOW INFORMATION NOT SHOWN, SEE SINGLE WINDOW ELEVATION ON SHEET 1.



EXTERIOR ELEVATION
MULTIPLE WINDOWS ANCHORED WITH RECEPTOR
(NO RECEPTOR)

SCALE: 3/4"=1'-0"
 FOR WINDOW INFORMATION NOT SHOWN, SEE SINGLE WINDOW ELEVATION ON SHEET 1.



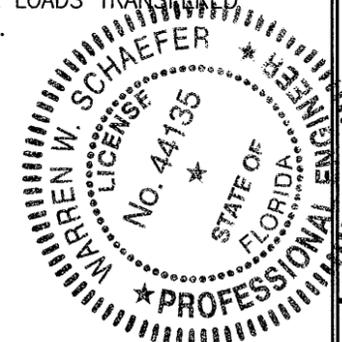
MULLION END DETAIL
 (WINDOW FRAMES NOT SHOWN FOR CLARITY)
 SCALE: N.T.S.

SUBSTRATE BY OTHERS PER FRAME ANCHOR REQUIREMENTS TABLE

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.

PRODUCT RENEWED as complying with the Florida Building Code
 Acceptance No. **12-0823.12**
 Expiration Date **10/19/2017**
 By *[Signature]*
 Miami Dade Product Control

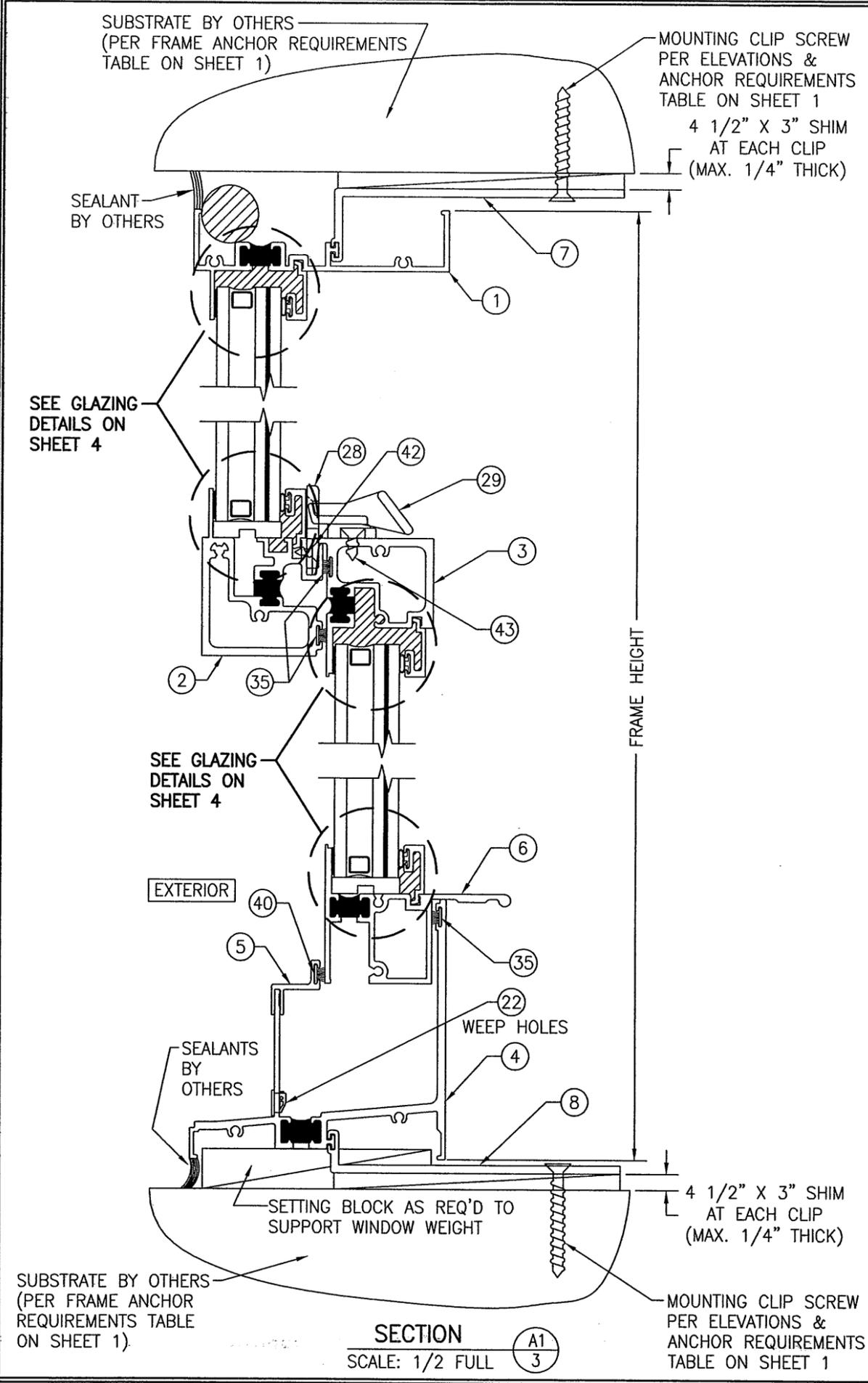


DRAWING TITLE	8430TL SINGLE HUNG WINDOW (LARGE MISSILE IMPACT)
CONSULTANTS	W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424
MANUFACTURER	KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555

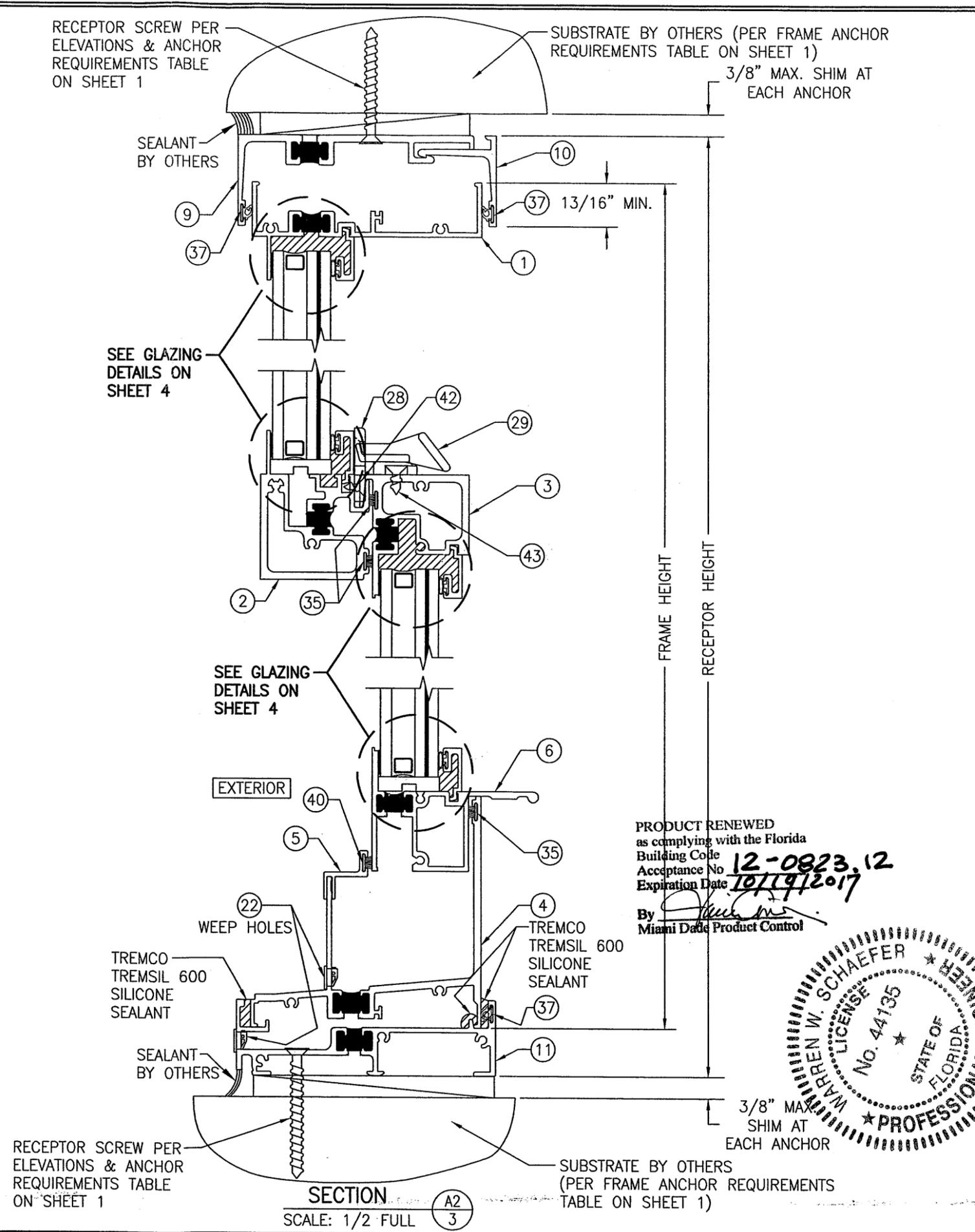
DRAWING NO.	REV.
1547	B
SHEET NO.	OF
2	6

JUN 25 2012

WARREN W. SCHAEFER, P.E.
 P.E. NO. 44135

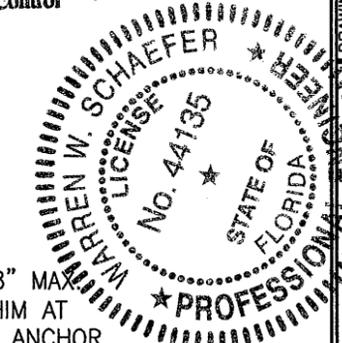


SECTION A1
SCALE: 1/2 FULL

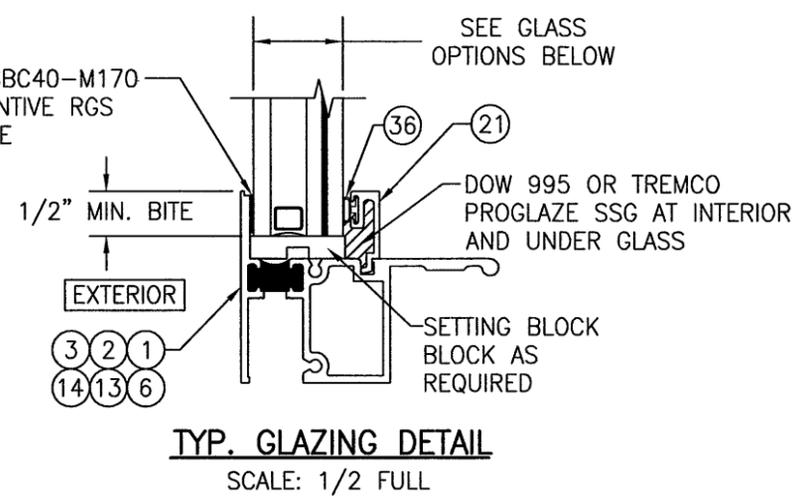
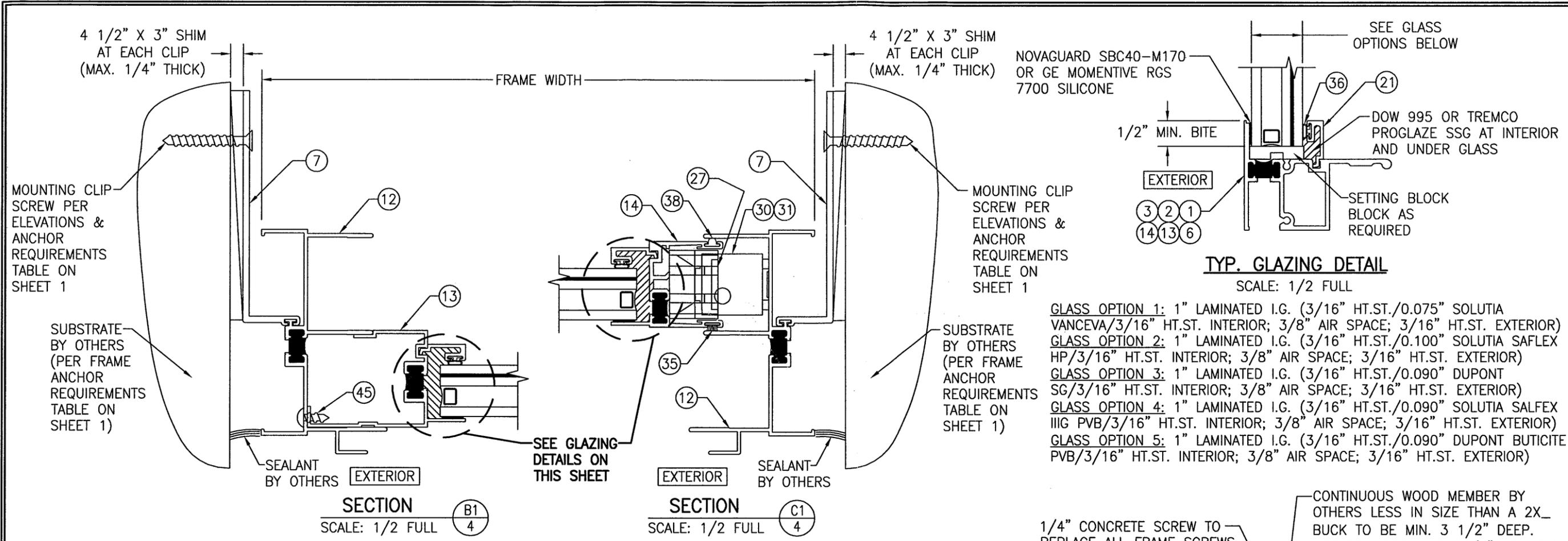


SECTION A2
SCALE: 1/2 FULL

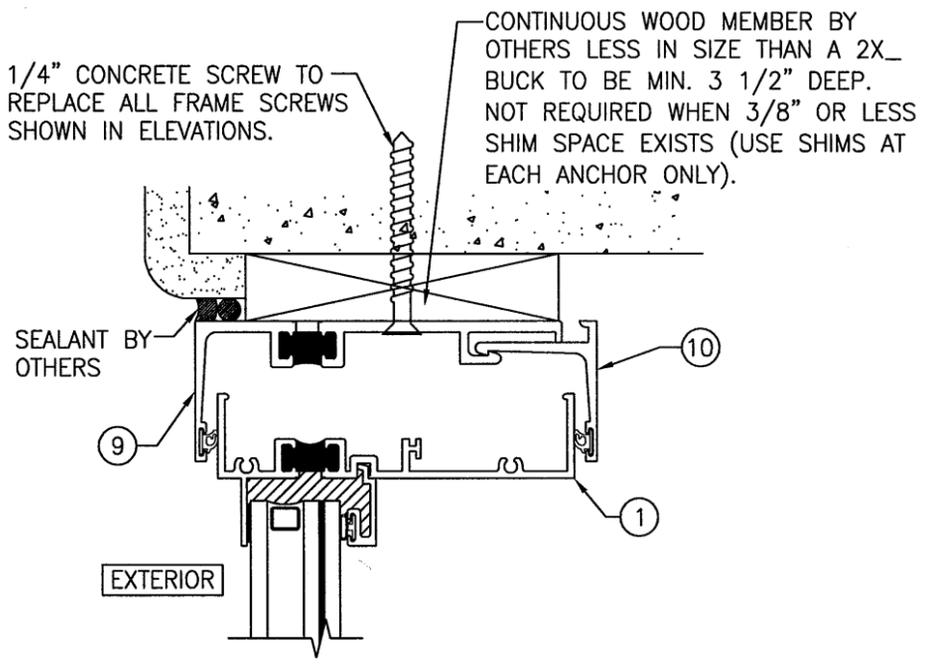
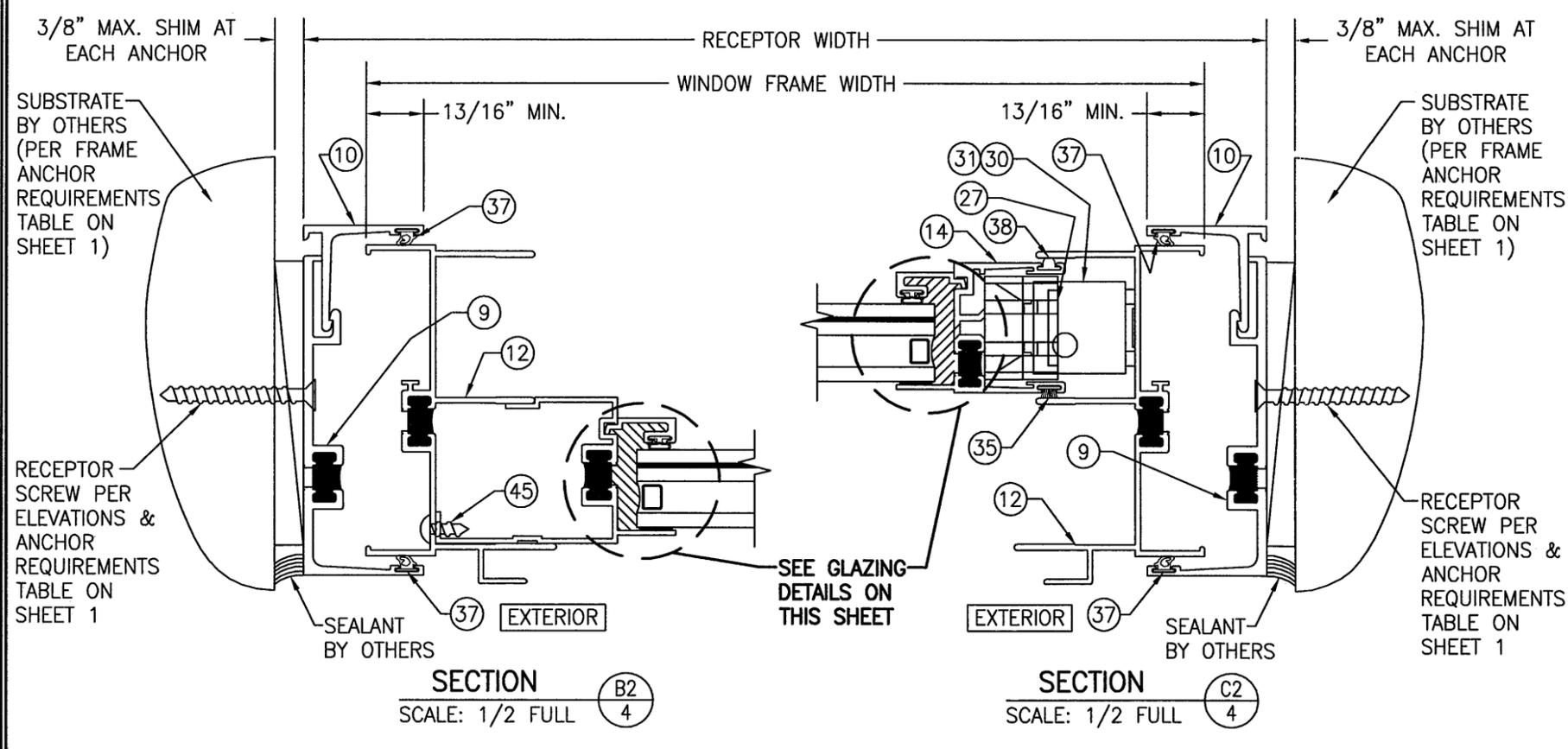
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **12-0823,12**
Expiration Date **10/19/2017**
By *[Signature]*
Miami Dade Product Control



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 07/09/07
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE 8430TL SINGLE HUNG WINDOW (LARGE MISSILE IMPACT)	
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 JUN 25 2012 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1547
	REV. B
	SHEET NO. 3 OF 6

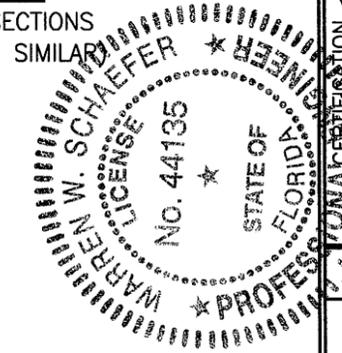


GLASS OPTION 1: 1" LAMINATED I.G. (3/16" HT.ST./0.075" SOLUTIA VANCEVA/3/16" HT.ST. INTERIOR; 3/8" AIR SPACE; 3/16" HT.ST. EXTERIOR)
 GLASS OPTION 2: 1" LAMINATED I.G. (3/16" HT.ST./0.100" SOLUTIA SAFLEX HP/3/16" HT.ST. INTERIOR; 3/8" AIR SPACE; 3/16" HT.ST. EXTERIOR)
 GLASS OPTION 3: 1" LAMINATED I.G. (3/16" HT.ST./0.090" DUPONT SG/3/16" HT.ST. INTERIOR; 3/8" AIR SPACE; 3/16" HT.ST. EXTERIOR)
 GLASS OPTION 4: 1" LAMINATED I.G. (3/16" HT.ST./0.090" SOLUTIA SAFLEX IIG PVB/3/16" HT.ST. INTERIOR; 3/8" AIR SPACE; 3/16" HT.ST. EXTERIOR)
 GLASS OPTION 5: 1" LAMINATED I.G. (3/16" HT.ST./0.090" DUPONT BUTICITE PVB/3/16" HT.ST. INTERIOR; 3/8" AIR SPACE; 3/16" HT.ST. EXTERIOR)

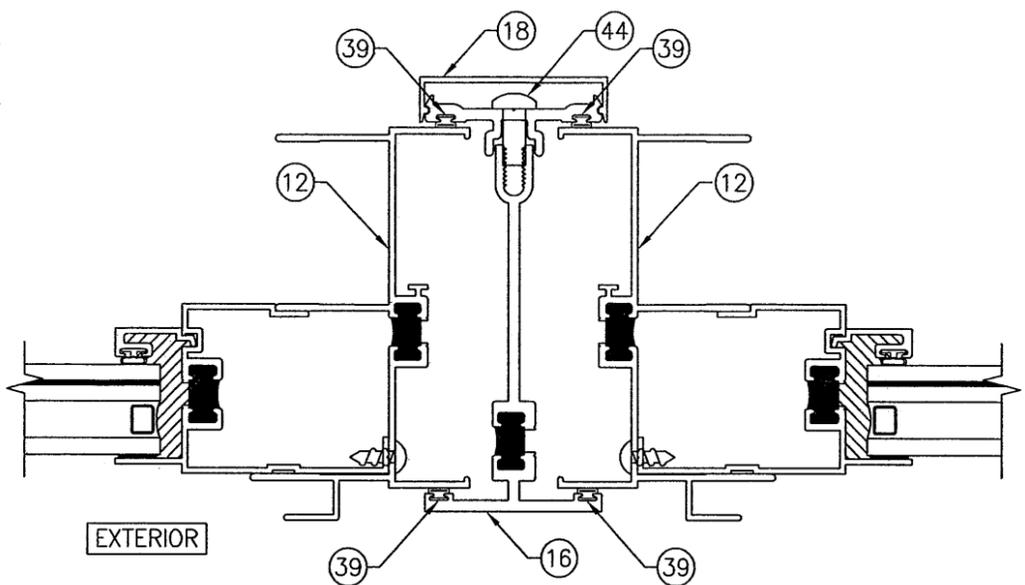


OPTIONAL DIRECT MOUNT DETAIL
 FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS
 (HEAD SECTION SHOWN, SIDES AND SILL SIMILAR)

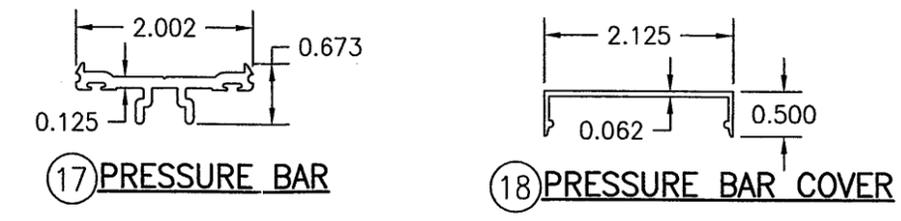
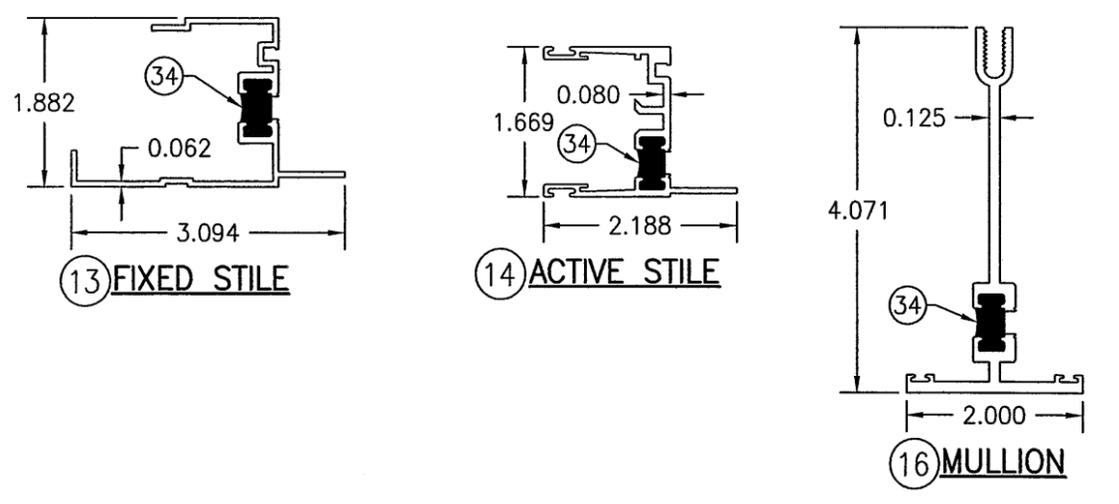
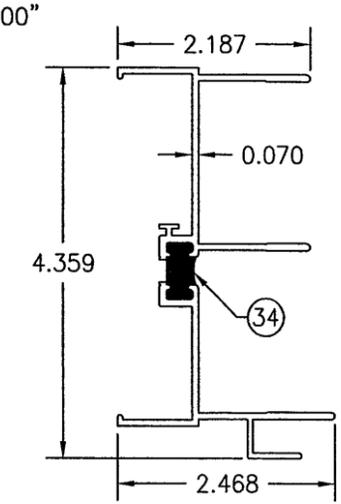
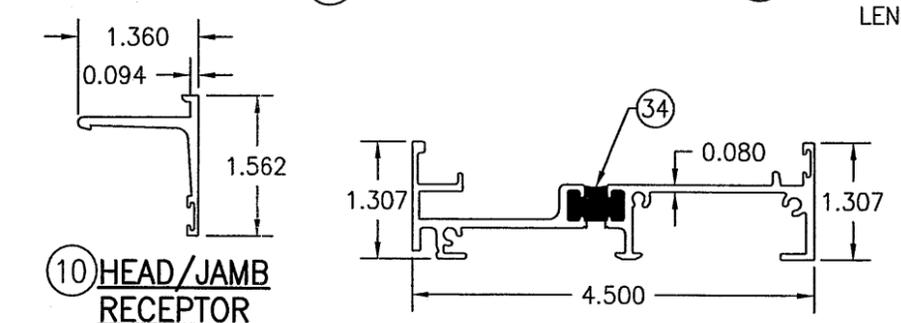
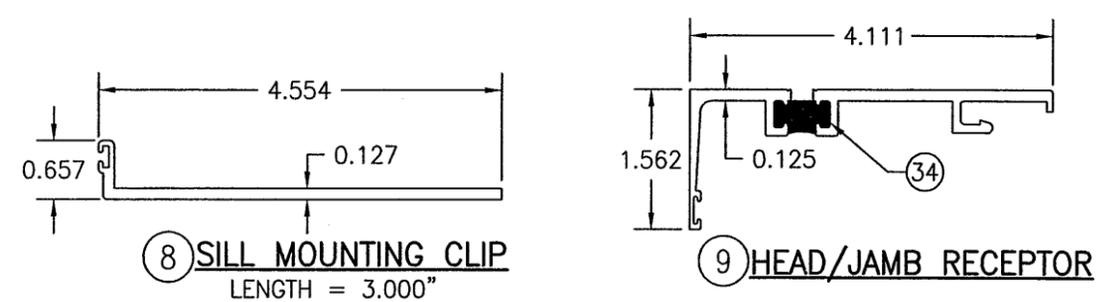
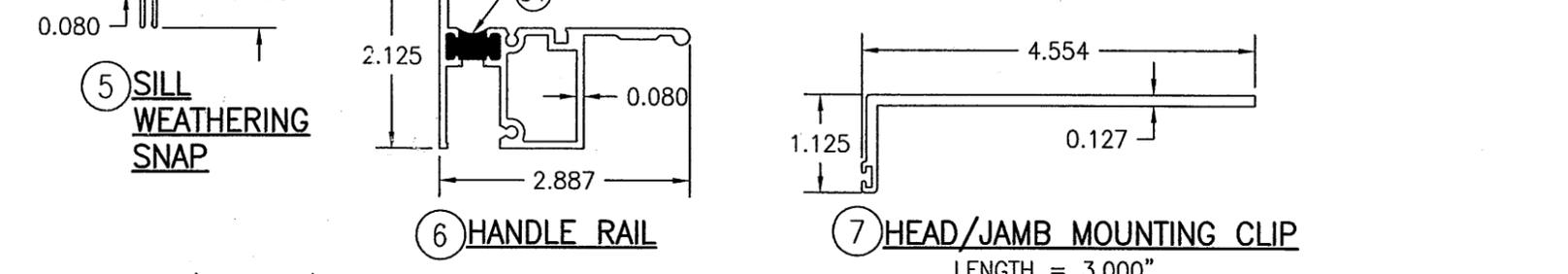
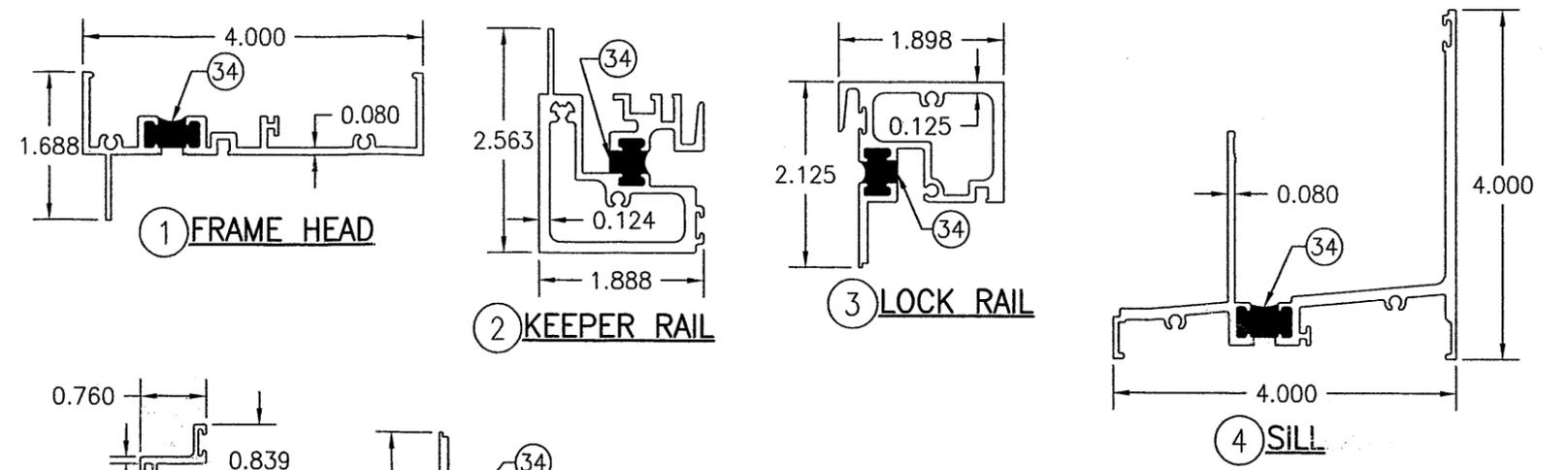
PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. **12-0823.12**
 Expiration Date **10/29/2017**
 By *[Signature]*
 Miami Dade Product Control



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 07/09/07
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE 8430TL SINGLE HUNG WINDOW (LARGE MISSILE IMPACT)	
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 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555
DATE JUN 25 2012	BY WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1547	REV. B
SHEET NO. 4	OF 6



SECTION D
SCALE: 1/2 FULL
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS



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

DRAWING TITLE: 8430TL SINGLE HUNG WINDOW (LARGE MISSILE IMPACT)

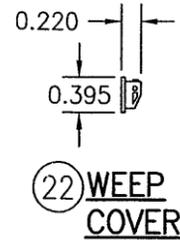
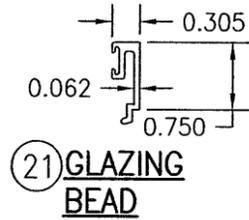
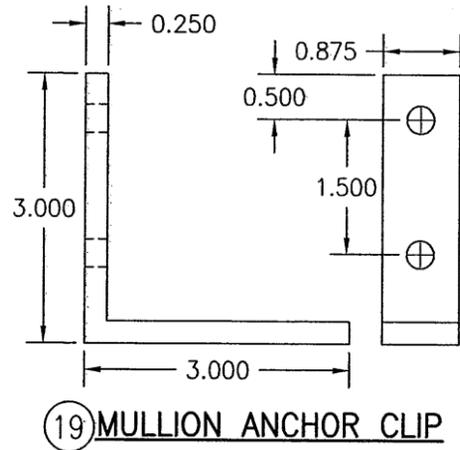
MANUFACTURER: KAWNEER COMPANY, INC.
555 GUTHRIDGE COURT
NORCROSS, GA 30092
770-449-5555

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



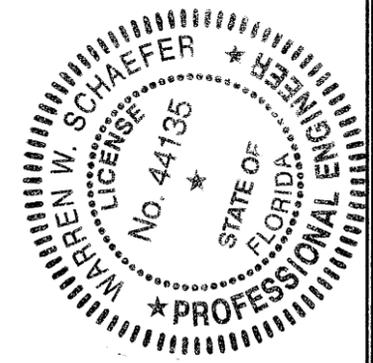
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 12-0823.12
Expiration Date 10/19/2017
By: [Signature]
Miami Dade Product Control

CERTIFICATION	REV.
JUN 25 2012	B
DRAWING NO. 1547	SHEET NO. 5 OF 6



ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	345-207	FRAME HEAD	6063-T6 ALUMINUM
2	345-208	KEEPER RAIL	6063-T6 ALUMINUM
3	345-356	LOCK RAIL	6063-T6 ALUMINUM
4	245-207	SILL	6063-T6 ALUMINUM
5	245-005	SILL WEATHERING SNAP	6063-T6 ALUMINUM
6	245-389	HANDLE RAIL	6063-T6 ALUMINUM
7	345-470	HEAD/JAMB MOUNTING CLIP	6063-T6 ALUMINUM
8	245-459	SILL MOUNTING CLIP	6063-T6 ALUMINUM
9	345-368	HEAD/JAMB RECEPTOR	6063-T6 ALUMINUM
10	345-169	HEAD/JAMB RECEPTOR CLOSURE	6063-T6 ALUMINUM
11	245-201	SILL RECEPTOR	6063-T6 ALUMINUM
12	245-239	FRAME JAMB	6063-T6 ALUMINUM
13	345-209	FIXED STILE	6063-T6 ALUMINUM
14	345-351	ACTIVE STILE	6063-T6 ALUMINUM
16	245-287	MULLION	6063-T6 ALUMINUM
17	245-490	PRESSURE BAR	6063-T6 ALUMINUM
18	243-088	PRESSURE BAR COVER	6063-T6 ALUMINUM
19	245-428	MULLION ANCHOR CLIP	6063-T6 ALUMINUM
21	245-194	GLAZING BEAD	6063-T6 ALUMINUM
22	245-521	WEEP COVER	PVC
HARDWARE			
27	245-421	SASH CAM	KAWNEER - GLASS FILLED NYLON
28	245-400	LOCK KEEPER	KAWNEER - WHITE BRONZE
29	245-460	SWEEP LOCK	KAWNEER - WHITE BRONZE
30	245-505	BALANCE	KAWNEER SERIES 401
31	245-515	BALANCE CLIP	KAWNEER - ZINC PLATED STEEL
SEALS AND SEALANTS			
34	-	DEBRIDGING	2-PART POLYURETHANE
35	127-080	PILE WEATHERSTRIP	POLYPROPYLENE
36	127-077	BULB WEATHERING	TPE/POLYPROPYLENE
37	027-915	GASKET	SANTOPRENE/POLYPROPYLENE
38	127-076	VINYL SPACER	RIGID PVC
39	027-874	BULB WEATHERING	VISTA PLEX/POLYPROPYLENE
40	127-108	PILE WEATHERSTRIP	POLYPROPYLENE
MISC. FASTENERS			
42	-	NO. 6 X 3/8" S.S. SCREW	2 PER LOCK KEEPER
43	-	NO. 10 X 1/2" S.S. SCREW	2 PER SWEEP LOCK
44	-	1/4-20 X P.H.S.S. SCREW	3" FROM ENDS & 3" O.C.
45	-	NO. 8 X 1/2" P.H.S.S. SCREW	2 EACH SIDE OF FIXED STILE
46	-	1/4-20 X 1" S.S. BOLT WITH NUT, FLAT WASHER & SPLIT WASHER	1 PER MULLION ANCHOR

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 07/09/07
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE 8430TL SINGLE HUNG WINDOW (LARGE MISSILE IMPACT)	
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	



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **12-0823.12**
Expiration Date **10/19/2017**
By *[Signature]*
Miami Dade Product Control

CERTIFICATION	JUN 25 2012	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO.	REV.	
1547	B	
SHEET NO.		
6 OF 6		