



BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

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

**NOTICE OF ACCEPTANCE (NOA)**

[www.miamidade.gov/buildingcode](http://www.miamidade.gov/buildingcode)

**Kawneer Company, Inc.**  
**PO Box 6429**  
**Jacksonville, FL 32236**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Series "8430 TL" Aluminum Single Hung Window - LMI**

**APPROVAL DOCUMENT:** Drawing No. 1547, titled "Series 8430 TL Single Hung Window (LMI)", sheets 1 through 6 of 6, dated July 09, 2007, prepared by W. W. Schaefer Engineering & Consultant, P. A., dated September 19, 2007, signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large Missile and Small Missile Impact Resistant**

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

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



J. Gascon  
9/28/07

NOA No. 07-0810.05  
Expiration Date: October 19, 2012  
Approval Date: October 19, 2007  
Page 1

Kawneer Company, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **1547**, titled "Series 8430 TL Single Hung Window (LMI)", sheets 1 through 6 of 6, dated July 09, 2007, prepared by W. W. Schaefer Engineering & Consultant, P. A., dated September 19, 2007, 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, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-G049-0201-07**, dated June 08, 2007, signed and sealed by Vinu J. Abraham, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by W. W. Schaefer Engineering & Consultant, P. A., dated July 30, 2007, signed and sealed by Warren W. Schaefer, P.E.  
**Complies with ASTM E1300-98/ 02**

**D. QUALITY ASSURANCE**

1. Miami Dade Building Code Compliance Office (BCCO).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **06-1205.10** issued to E.I. DuPont DeNemours Nemours & CO., Inc. for "**DuPont Sentry Glass Plus**" dated February 15, 2007, expiring on January 14, 2008.
2. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "**Saflex III G Clear or colored interlayer**" dated 05/04/06, expiring on 05/21/11.
3. Notice of Acceptance No. **03-0415.13** issued to Solutia Inc. for their "**Vanceva Composites used for lamination of glass**" dated December 11, 2003, expiring on December 11, 2008.
4. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont DeNemours Nemours & CO., Inc. for "**DuPont Butacite PVB Interlayer**" dated January 05, 2007, expiring on December 11, 2010.

**F. STATEMENTS**

1. Statement letter of conformance, dated May 23, 2006, signed and sealed by Humayoun Farooq, P.E.

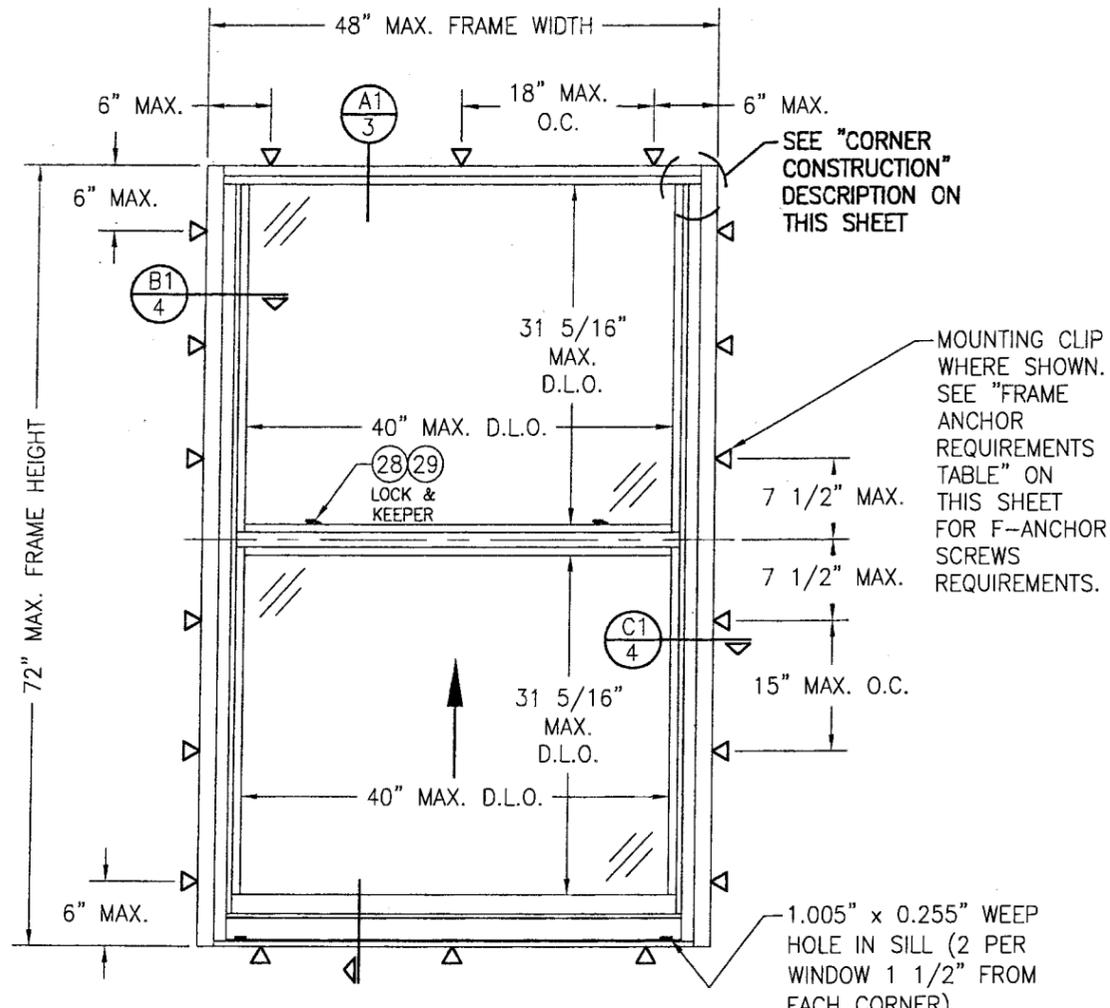
**G. OTHER**

1. None

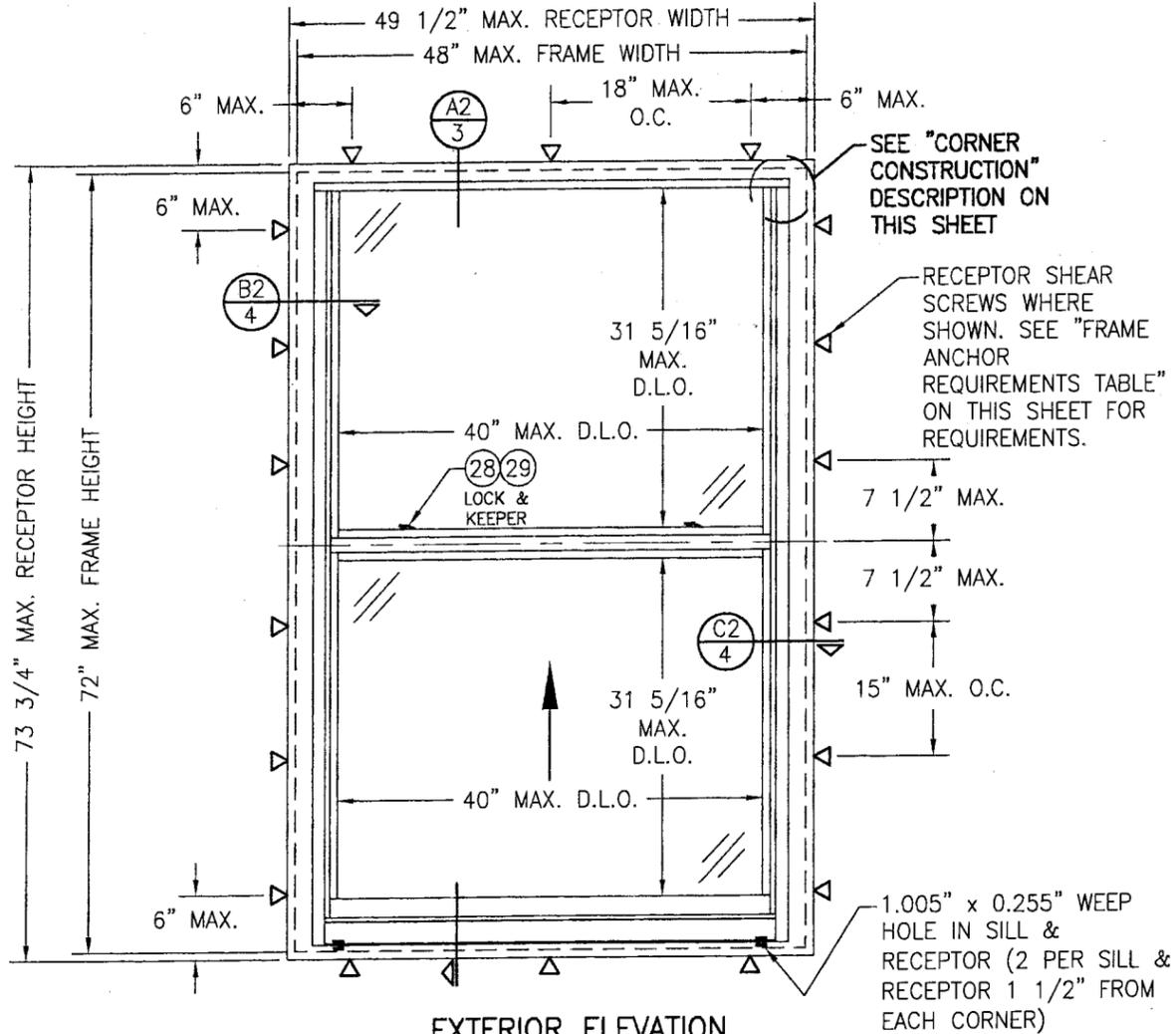


Jaime D. Gascon, P.E.  
Chief, Product Control Division  
NOA No. 07-0810.05  
Expiration Date: October 19, 2012  
Approval Date: October 19, 2007

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-16	DATE: 07/09/07
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE <b>8430TL SINGLE HUNG WINDOW (LARGE MISSILE IMPACT)</b>	
MANUFACTURER	<b>KAWNEER COMPANY, INC.</b> 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555
CONSULTANTS	<b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903
CERTIFICATION	Approved as complying with the Florida Building Code Date <u>10/19/2007</u> NOA# <u>07-0810.05</u> Miami Dade Product Control Division By <i>[Signature]</i>
DRAWING NO.	REV.
<b>1547</b>	
SHEET NO.	
<b>1</b>	<b>6</b>



**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

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"
C-90 CMU/2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	( )

(1) CONCRETE SCREWS SHALL BE ELCO OR 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**

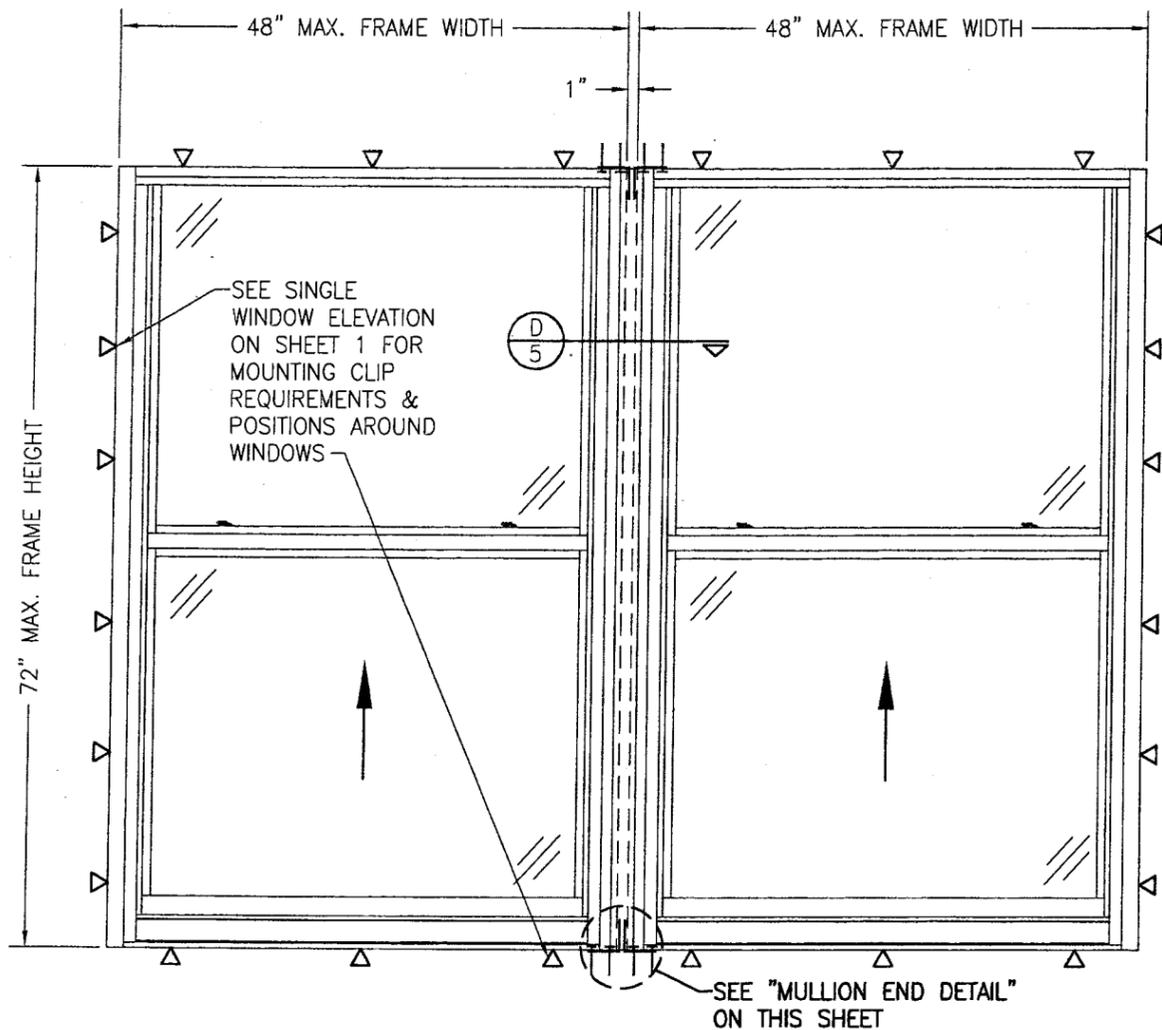
**JAMB CORNERS:**  
COPED, SECURED WITH TWO (2) NO. 8 X 1 1/4" S.S. SCREWS PER CORNER AND SEALED WITH TREMCO-TREMSIL 600 SEALANT.

**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.

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

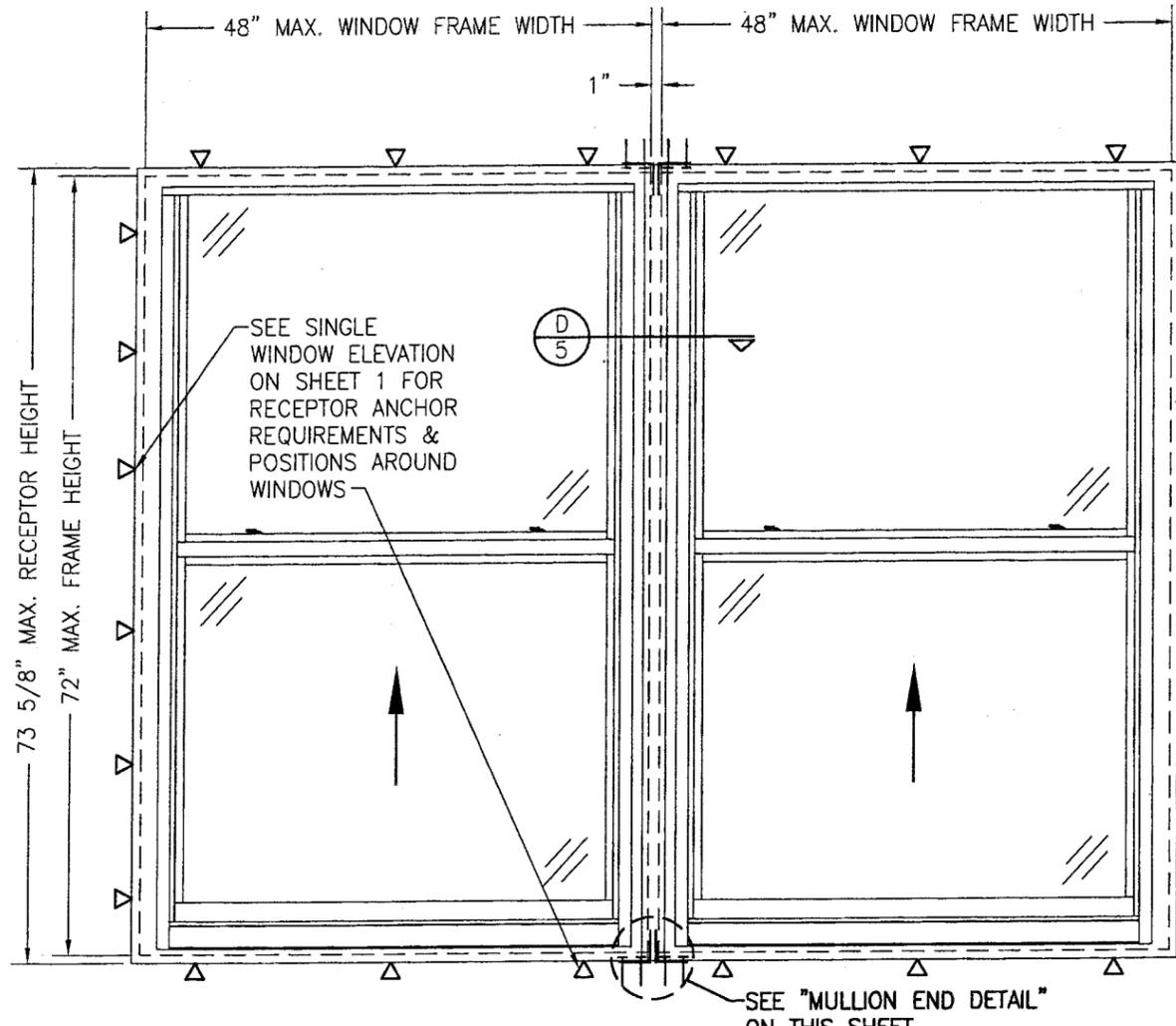
**GENERAL NOTES**

- THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOADS" TABLE(S).
- BUCKING, OPENINGS & 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.
- THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE 2004 FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
- THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2004 & 2007 FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
- IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
- ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
- ALL FRAME ANCHORS SECURING WINDOW/DOOR FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
- MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BUILDING CODE SECTION 2003.8.4.



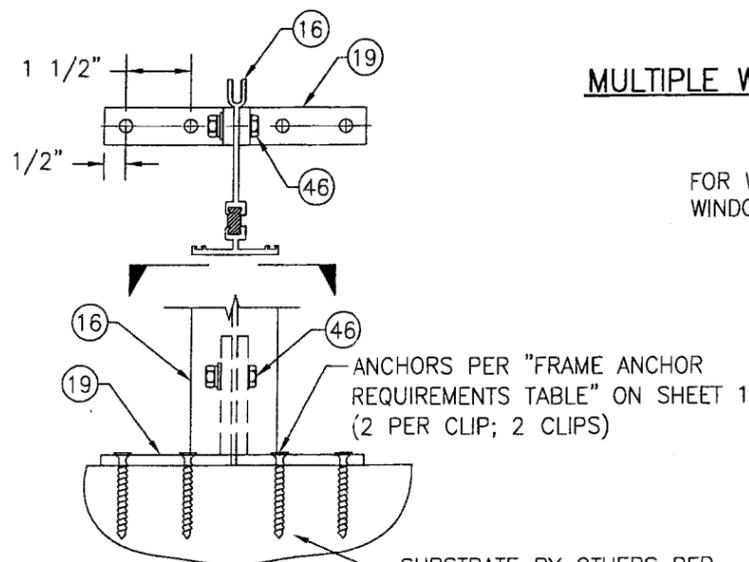
**EXTERIOR ELEVATION**  
**MULTIPLE WINDOWS ANCHORED WITH MOUNTING CLIPS**  
**(NO RECEPTOR)**

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.

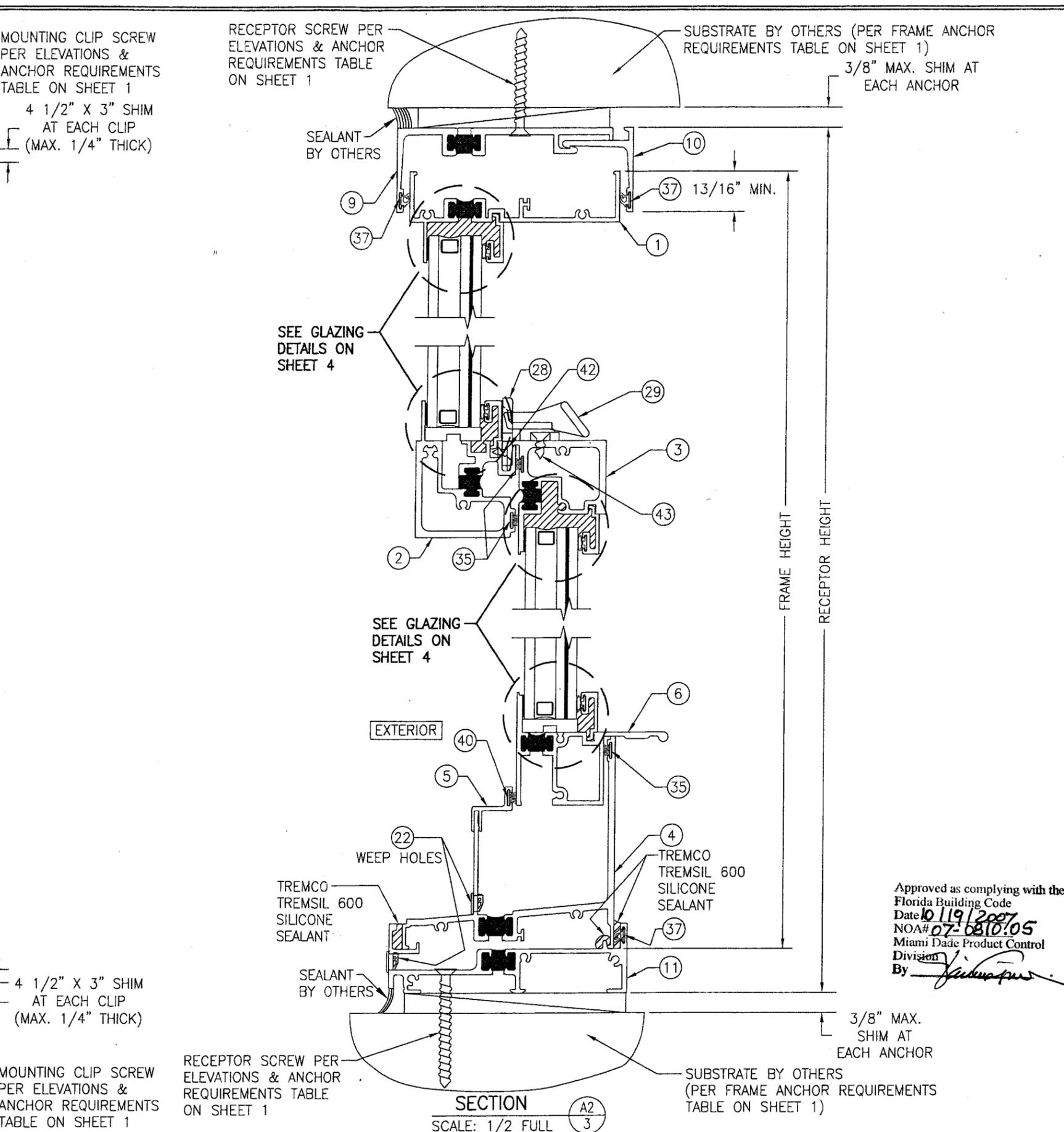
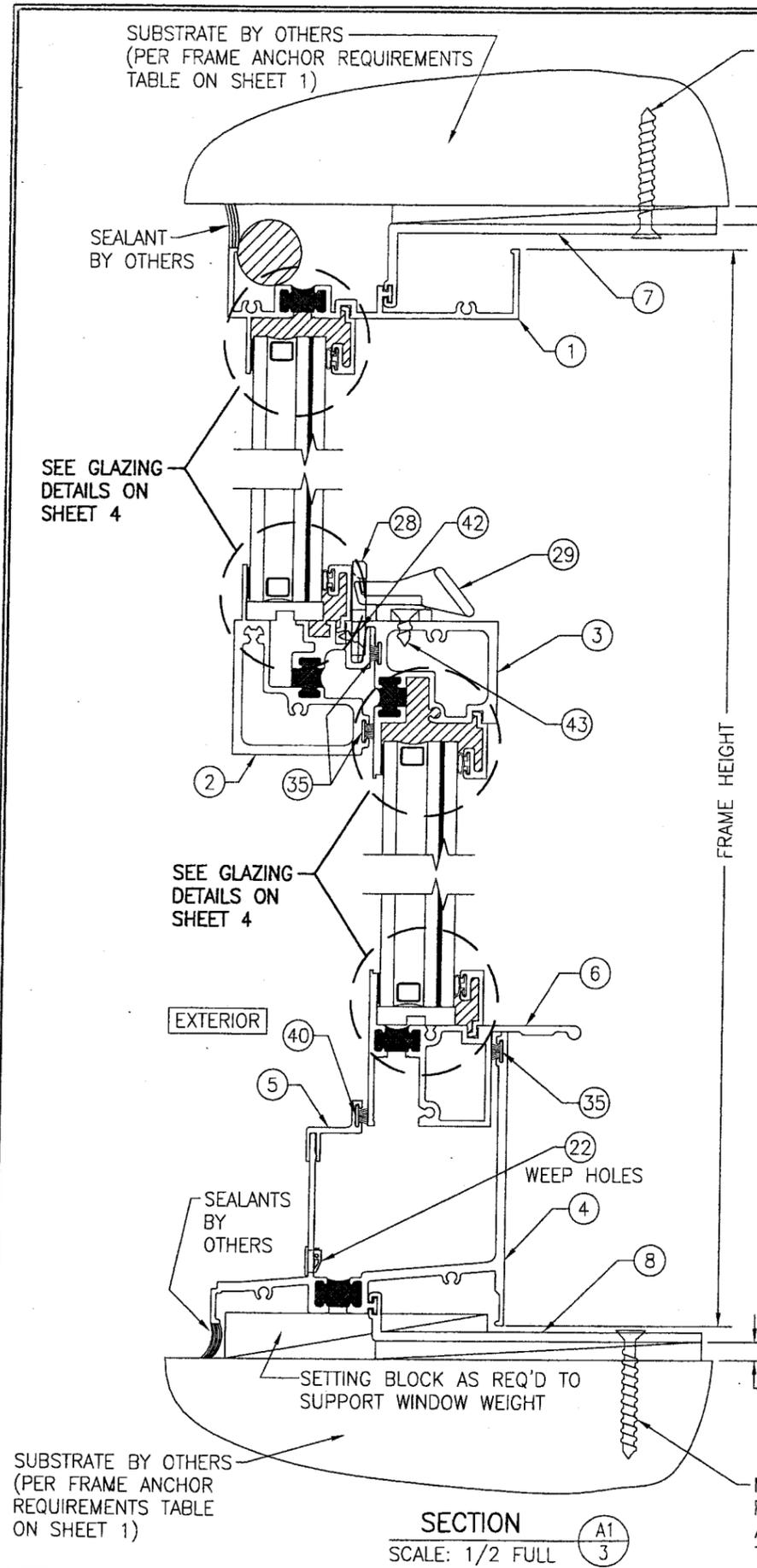


**MULLION END DETAIL**  
 (WINDOW FRAMES NOT SHOWN FOR CLARITY)  
 SCALE: N.T.S.

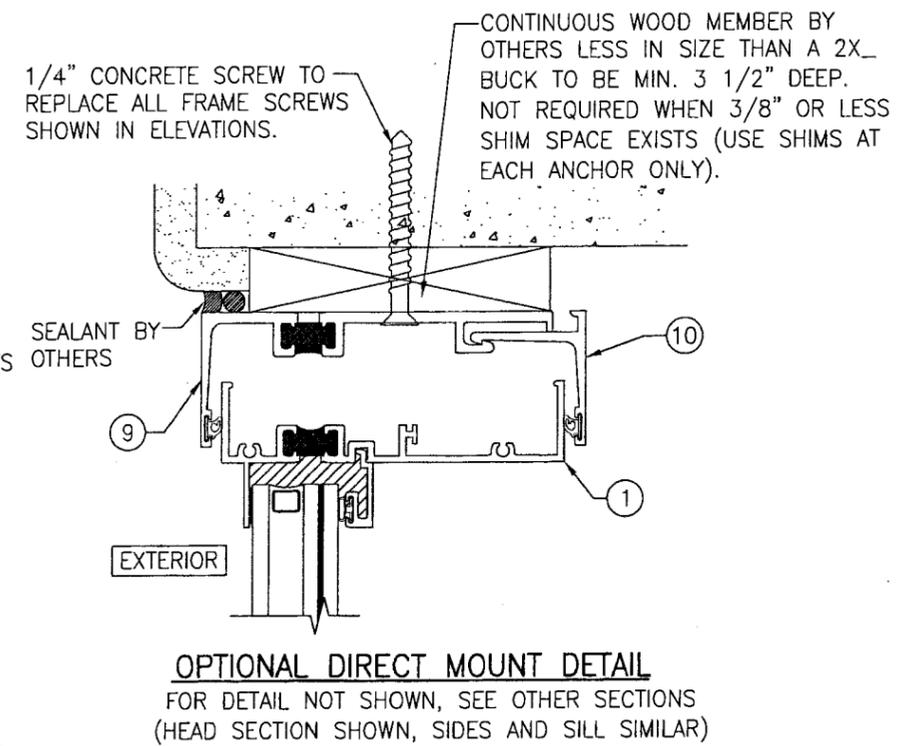
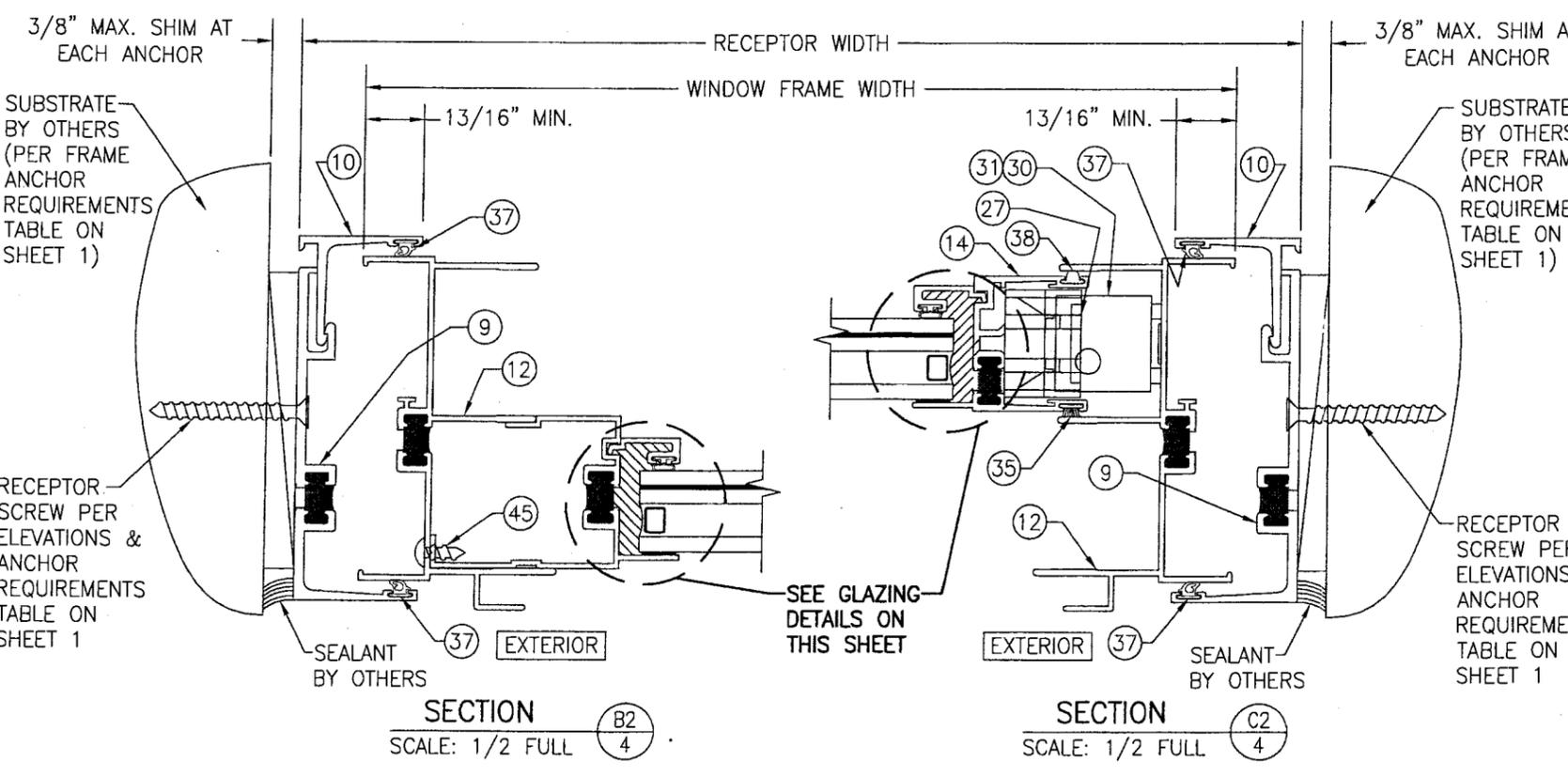
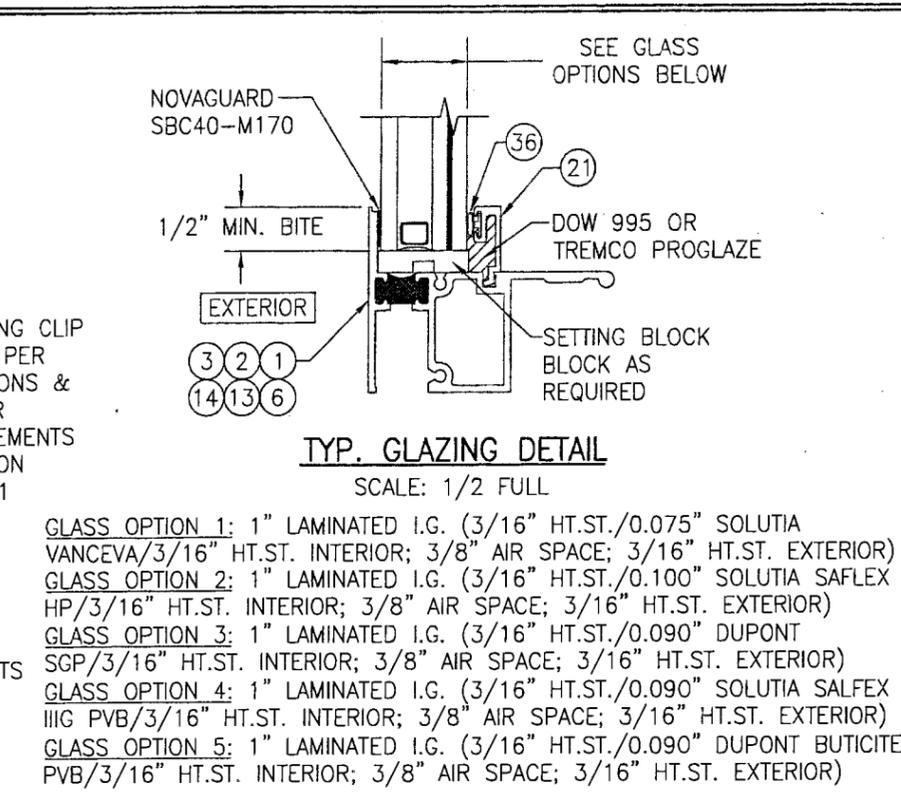
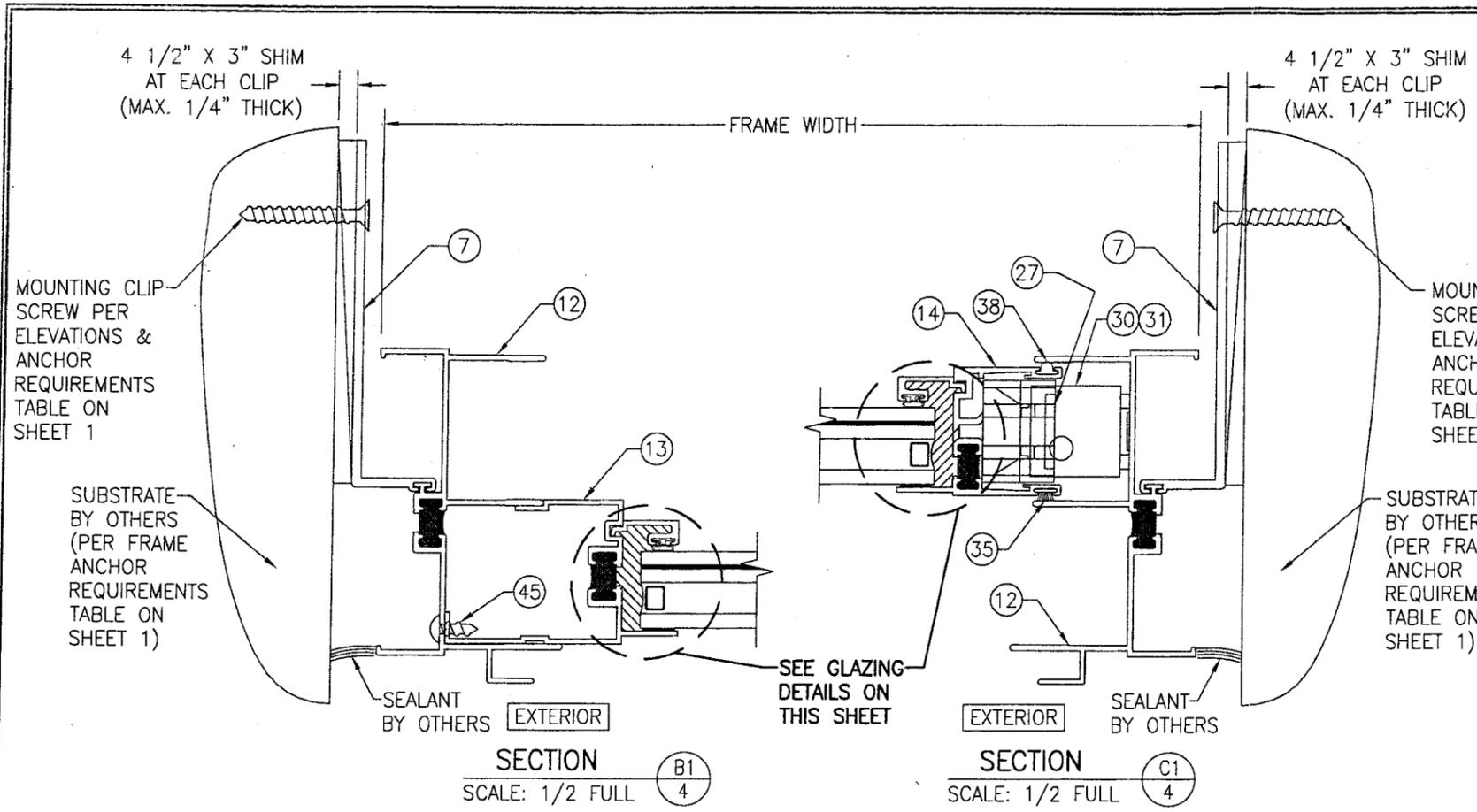
- MULTIPLE UNIT NOTES:**
1. FOR ALL DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION.
  2. THERE IS NO LIMIT ON THE NUMBER OF WINDOWS THAT MAY BE COMBINED HORIZONTALLY INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERRED FROM THE WINDOWS & THEIR MULLIONS.

Approved as complying with the  
 Florida Building Code  
 Date 10/19/2007  
 NOA# 07-0810.05  
 Miami Dade Product Control  
 Division  
 By *[Signature]*

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-16		DATE: 07/09/07	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE <b>8430TL SINGLE HUNG WINDOW (LARGE MISSILE IMPACT)</b>			
MANUFACTURER <b>KAWNEER COMPANY, INC.</b> 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555			
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903			
CERTIFICATION SEP 19 2007 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. <b>1547</b>		REV.	
SHEET NO. <b>2</b>		OF <b>6</b>	

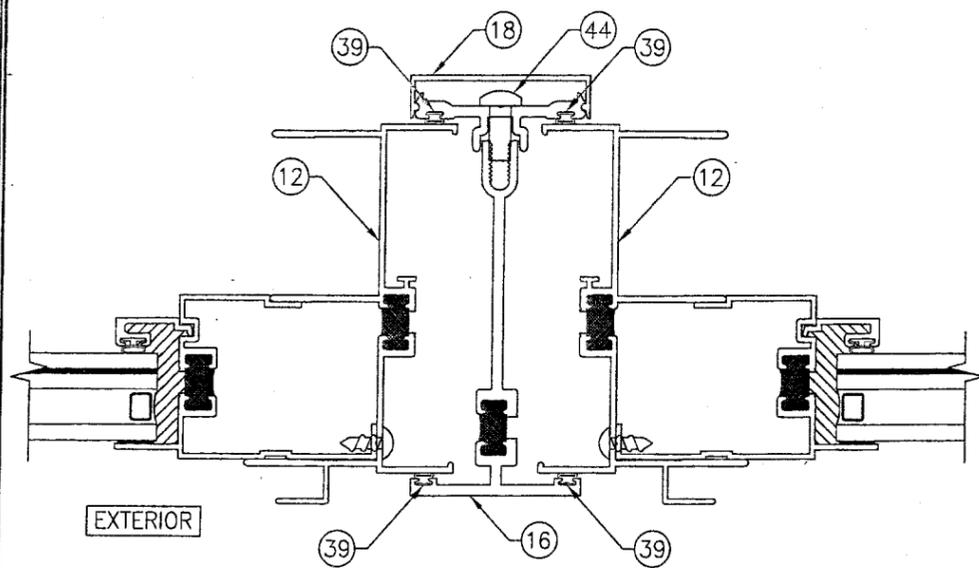


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PLOT: 1-2		DATE: 07/09/07	
NO.	REVISION DESCRIPTION	BY	DATE
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MANUFACTURER: KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903			
APPROVED AS COMPLYING WITH THE FLORIDA BUILDING CODE DATE: 10/19/2007 NOA#: 07-6810:05 MIAMI DADE PRODUCT CONTROL DIVISION By: <i>[Signature]</i>			
CERTIFICATION: SEP 19 2007			
WARREY W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1547		REV.	
SHEET NO. 3 OF 6			

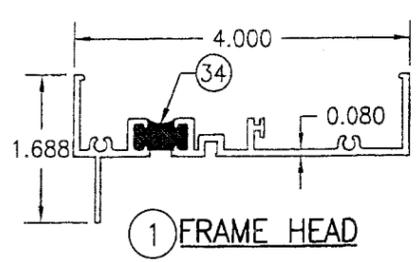


Approved as complying with the Florida Building Code  
 Date 10/19/2007  
 NOA# 07-0810.05  
 Miami Dade Product Control  
 Division  
 By *[Signature]*

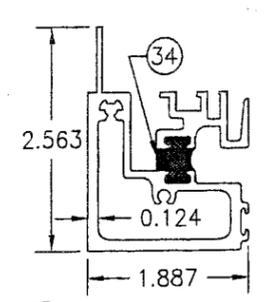
DRAWN BY: W.R.M.	CHECKED BY: W.S.
PLOT: 1=2	DATE: 07/09/07
DATE	
BY	
REVISION DESCRIPTION	
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DRAWING TITLE <b>8430TL SINGLE HUNG WINDOW (LARGE MISSILE IMPACT)</b>	
MANUFACTURER <b>KAWNEER COMPANY, INC.</b> 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION <b>SEP 19 2007</b>	
WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. <b>1547</b>	REV.
SHEET NO. <b>4 OF 6</b>	



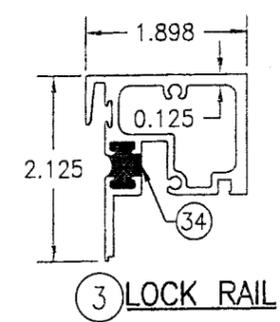
**SECTION**  
 SCALE: 1/2 FULL (D/5)  
 FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS



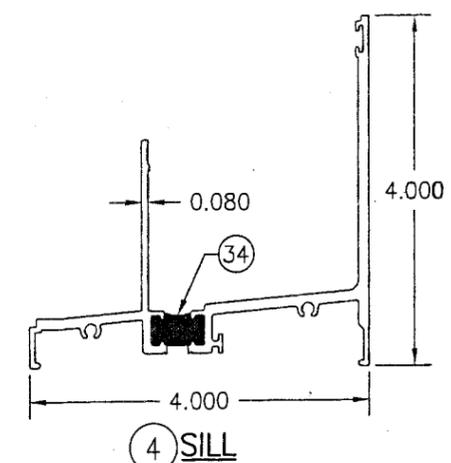
① FRAME HEAD



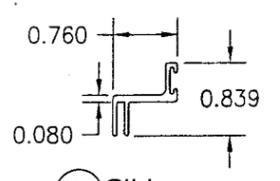
② KEEPER RAIL



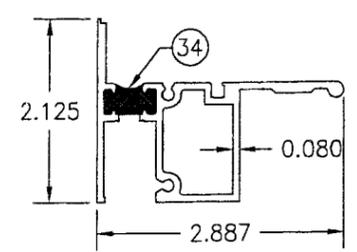
③ LOCK RAIL



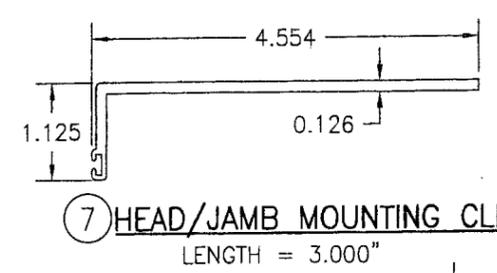
④ SILL



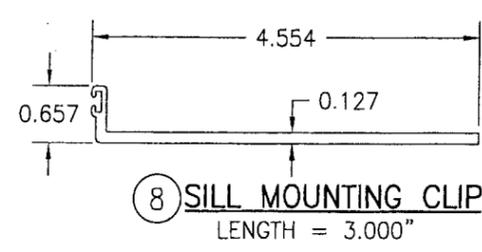
⑤ SILL WEATHERING SNAP



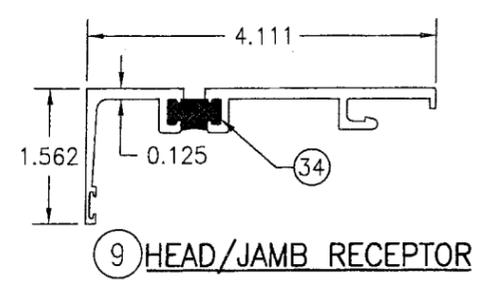
⑥ HANDLE RAIL



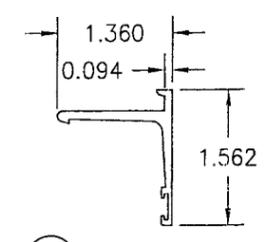
⑦ HEAD/JAMB MOUNTING CLIP  
 LENGTH = 3.000"



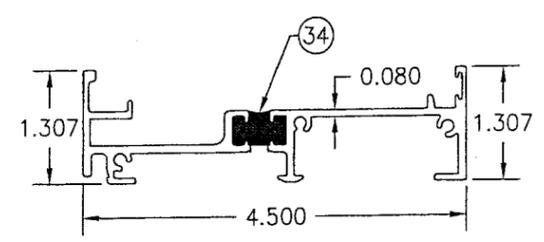
⑧ SILL MOUNTING CLIP  
 LENGTH = 3.000"



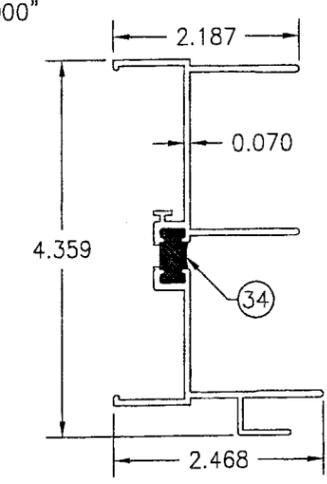
⑨ HEAD/JAMB RECEPTOR



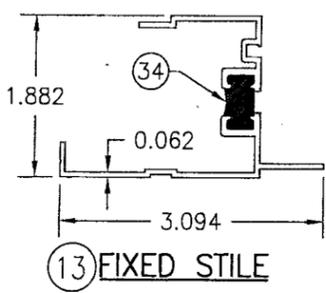
⑩ HEAD/JAMB RECEPTOR CLOSURE



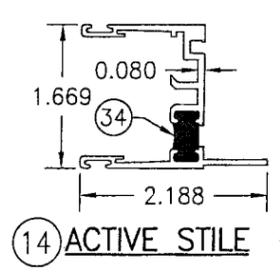
⑪ SILL RECEPTOR



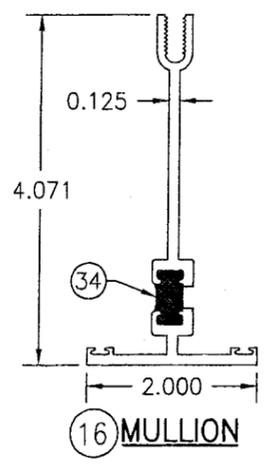
⑫ FRAME JAMB



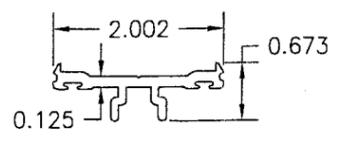
⑬ FIXED STILE



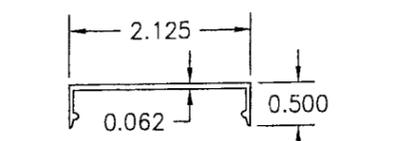
⑭ ACTIVE STILE



⑯ MULLION



⑰ PRESSURE BAR



⑱ PRESSURE BAR COVER

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

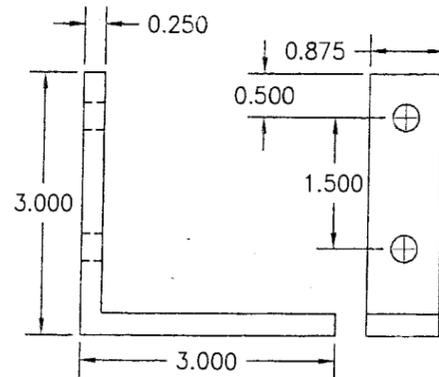
DRAWING TITLE: 8430TL SINGLE HUNG WINDOW (LARGE MISSILE IMPACT)

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

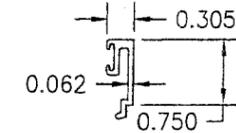
CONSULTANTS:  
**W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.**  
 8895 N. MILITARY TRAIL, SUITE C-204  
 PALM BEACH GARDENS, FL 33410  
 PHONE: 561-775-4902 FAX: 561-775-4903

CERTIFICATION	SEP 19 2007
WARREN W. SCHAEFER, P.E.	P.E. NO. 44135
DRAWING NO.	REV.
1547	
SHEET NO.	
5	OF 6

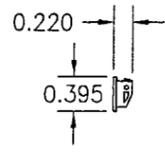
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 Date: 10/19/2007  
 NOA# 07-0810.05  
 Miami Dade Product Control  
 Division  
 By: *[Signature]*



19 MULLION ANCHOR CLIP



21 GLAZING BEAD



22 WEEP COVER

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.  
8895 N. MILITARY TRAIL, SUITE C-204  
PALM BEACH GARDENS, FL 33410  
PHONE: 561-775-4902 FAX: 561-775-4903

Approved as complying with the Florida Building Code  
Date 10/19/2007  
NOA# 07-0810.05  
Miami Dade Product Control  
Division  
By *[Signature]*

CERTIFICATION  
SEP 19 2007

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

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