



**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) 375-2908**

**NOTICE OF ACCEPTANCE (NOA)**

**PGT Industries  
1070 Technology Drive  
Nokomis, FL 34275**

**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 High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: Series SH-4000 Aluminum Single Hung Window W/H.D. MTG. Rail**

**APPROVAL DOCUMENT:** Drawing No. 2737, titled "Aluminum Single Hung Window, W/H.D. MTG. RAIL", dated 04/18/01 with revision "H" on 09/20/06, sheets 1 through 7 of 7, prepared by manufacturer, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: None**

**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 **renews NOA # 05-0112.01** 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  
9/29/06*

**NOA No 06-0706.03  
Expiration Date: October 08, 2011  
Approval Date: October 19, 2006  
Page 1**

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturers die drawings and sections.
2. Drawing No. 2737, titled "Aluminum Single Hung Window, W/H.D. MTG. RAIL", dated 04/18/01 with revision "H" on 09/20/06, sheets 1 through 7 of 7, prepared by manufacturer, signed and sealed by Robert L. Clark, 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) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94  
along with marked-up drawings and installation diagram of aluminum single hung windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4378**, dated 11/04/04, signed and sealed by Edmundo J. Largaespada, 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) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94  
along with marked-up drawings and installation diagram of aluminum single hung windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2957, 2959, 2965, and 2967** dated various, signed and sealed by Antonio Acevedo, P.E. "**Submitted under NOA# 05-0112.01**"
3. Test report on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
along with marked-up drawings and installation diagram of aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2958, 2961, 2963, 2964, 2966, 2968, and 2969**, dated 01/17/01, signed and sealed by Antonio Acevedo, P.E. "**Submitted under NOA# 05-0112.01**"
4. Test report on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
along with marked-up drawings and installation diagram of aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3986**, dated 01/17/01, signed and sealed by Edmundo J. Largaespada, P.E. "**Submitted under NOA# 05-0112.01**"
5. Test report on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
along with marked-up drawings and installation diagram of aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4253**, dated 06/21/04, signed and sealed by Edmundo J. Largaespada, P.E. "**Submitted under NOA# 05-0112.01**"



Jaime D. Gascon, P.E.

Chief, Product Control Division

NOA No 06-0706.03

Expiration Date: October 08, 2011

Approval Date: October 19, 2006

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

6. 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) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94  
along with marked-up drawings and installation diagram of aluminum single hung windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4178** dated 04/07/04, signed and sealed by Edmundo J. Largaespada, P.E.  
*“Submitted under NOA# 05-0112.01”*

**C. CALCULATIONS**

1. Revised Anchor Calculations, ASTM-E1300-02, and structural analysis, prepared by PGT Engineering, dated 09/22/06, signed and sealed by Robert L. Clark, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None

**F. STATEMENTS**

1. Statement letter of conformance and no financial interest, dated March 17, 2004, signed by Robert L. Clark, P.E. *“Submitted under NOA# 04-0319.02”*  
2. Laboratory compliance statement as part of test reports for Test Report No. **FTL-2957**, and **2958**, issued by Fenestration Testing Laboratory, Inc., signed and sealed by signed and sealed by Antonio Acevedo, P.E.  
*“Submitted under NOA# 04-0319.02”*

**G. OTHER**

1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (Code).  
2. Notice of Acceptance No. **05-0112.01**, issued to PGT Industries, for “SH-4000 Alum. Single Hung Window W/H.D. MTG. Rail”, approved on 3/31/05 and expiring 10/08/06.



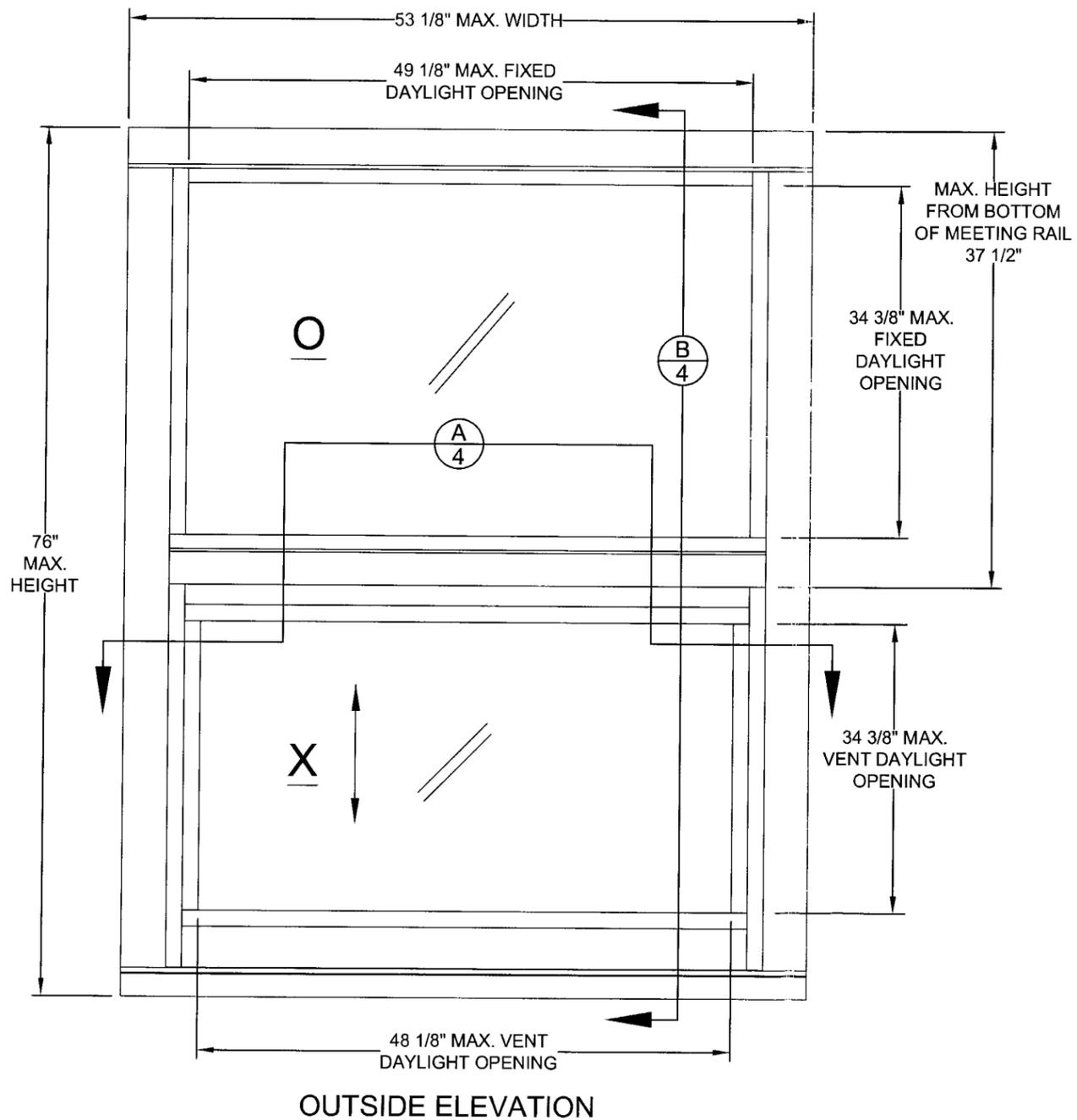
Jaime D. Gascon, P.E.

Chief, Product Control Division

NOA No 06-0706.03

Expiration Date: October 08, 2011

Approval Date: October 19, 2006



**NOTES: NON-IMPACT WINDOWS**

- 1.) GLAZING OPTIONS: (SEE TABLES, SHEET 3 FOR DESIGN PRESSURES)
  - A.) 3/16" TEMPERED GLASS
  - B.) 3/16" ANNEALED GLASS
  - C.) 1/2" I.G. GLASS (1/8" TEMPERED, 1/4" AIR SPACE, 1/8" TEMPERED)
  - D.) 1/2" I.G. GLASS (1/8" ANNEALED, 1/4" AIR SPACE, 1/8" ANNEALED)
  - E.) 1/2" I.G. GLASS (3/16" TEMPERED, 3/16" AIR SPACE, 1/8" TEMPERED)
  - F.) 1/2" I.G. GLASS (3/16" ANNEALED, 3/16" AIR SPACE, 1/8" ANNEALED)  $\Delta$
  - G.) 1/4" TEMPERED GLASS
  - H.) 1/4" ANNEALED GLASS
- 2.) MANUFACTURED WITH HEAVY DUTY MEETING RAIL
- 3.) SHUTTERS ARE REQUIRED WHERE IMPACT RESISTANCE IS REQUIRED. SHUTTERS MUST BE MIAMI-DADE COUNTY APPROVED FOR INSTALLATION IN MIAMI-DADE COUNTY.
- 4.) SEE SHEET 4 FOR SECTION DETAILS.
- 5.) FOR ANCHORAGE REQUIREMENTS SEE SHEETS 6 AND 7. THE 33 1/3 STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT
- 6.) SEALANTS: FRAME CORNERS, FIXED MEETING RAIL SEAMS AND VENT CORNERS WITH CLEAR COLORED SEALANT.
- 7.) REFERENCES: TEST REPORTS FTL-2957, FTL-2958, FTL-3986, FTL3987, FTL-4253 AND FTL-4378  
ELCO TEXTRON NOA: 04-0721.01, 03-0225.05  
ANSI/AF&PA NDS-2001 FOR WOOD CONSTRUCTION  
ADM-2000 ALUMINUM DESIGN MANUAL
- 8.) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, 2004 EDITION FOR THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

**NOA DRAWING MAP**

SHEET	
GENERAL NOTES.....	1
ELEVATIONS.....	1
GLAZING DETAILS.....	2
DESIGN PRESSURES.....	3
VERT. SECTIONS.....	4
HORIZ. SECTIONS.....	4
PARTS LIST.....	5
EXTRUSIONS.....	5
ANCHORAGE.....	6-7

**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 04-0706.03  
 Expiration Date 10/02/11  
 By [Signature]  
 Miami-Dade Product Control  
 Division

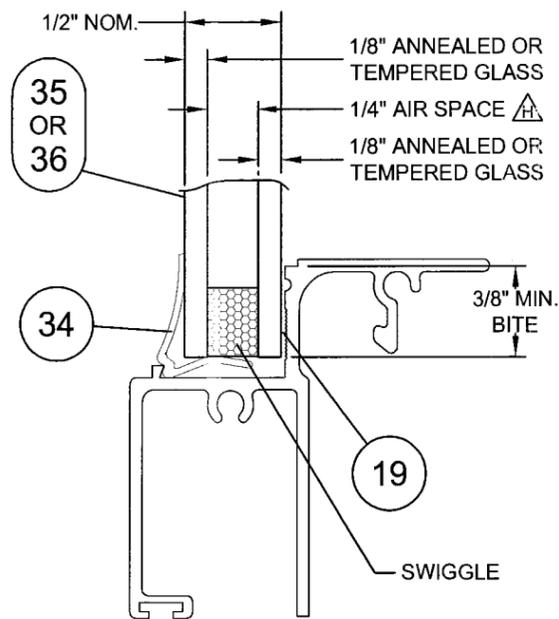
[Signature]  
 9/22/06  
 Robert L. Clark, P.E.  
 PE #39712  
 Structural

Revsd By: F.K.	Date: 09/20/06	Revisions: H	ADD AIR SPACE DIM. TO I.G. GLASS RECIPES.
Revsd By: J.J.	Date: 08/04/05	Revisions: G	REVISE NOTE 5, 7 & MAP. ADD NOTE 8.
Revsd By: F.K.	Date: 12/16/04	Revisions: F	ADD ALT. EXTRUSIONS
Drawn By: F.K.	Date: 4/18/01	Checked By: J.J.	Date: 6/14/06

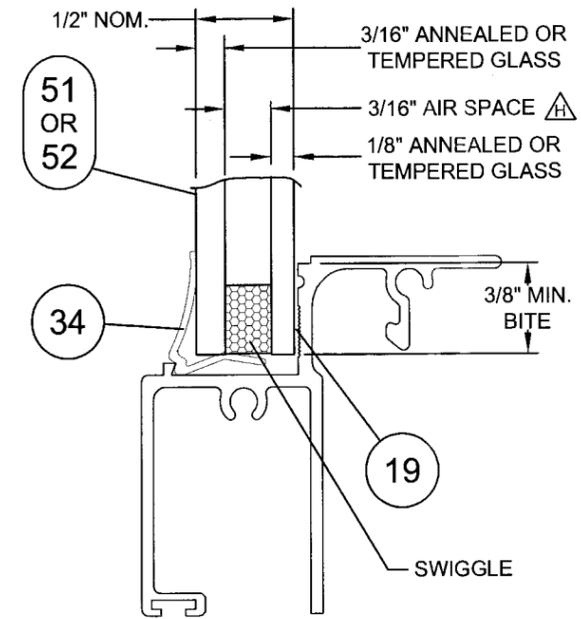
1070 TECHNOLOGY DRIVE  
 NOKOMIS, FL 34275  
 P.O. BOX 1529  
 NOKOMIS, FL 34274



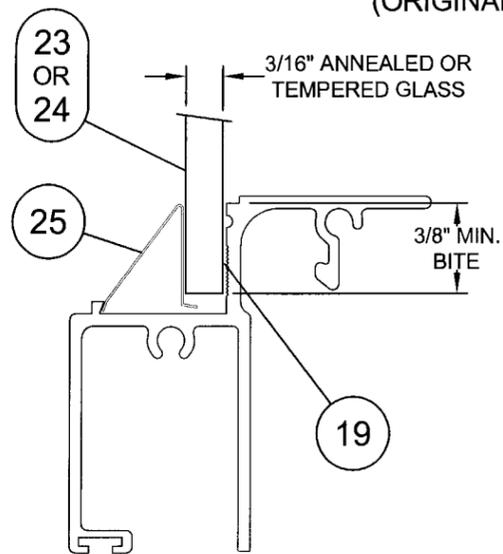
Description: <b>ELEVATION &amp; NOTES</b>			
Title: <b>ALUM. SINGLE HUNG WINDOW, W/ H.D. MTG. RAIL</b>			
Series/Model: SH4000	Scale: NTS	Sheet: 1 of 7	Drawing No. 2737
			Rev: H



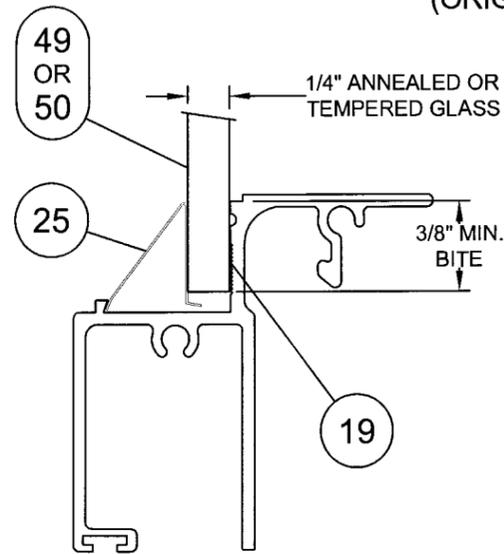
1/2" I.G. GLAZING DETAIL  
(ORIGINAL DESIGN)



1/2" I.G. GLAZING DETAIL  
(ORIGINAL DESIGN)



3/16" GLAZING DETAIL  
(ORIGINAL DESIGN)



1/4" GLAZING DETAIL  
(ORIGINAL DESIGN)

**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 06-070603  
 Expiration Date 10/08/11  
 By [Signature]  
 Miami Dade Product Control  
 Division

[Signature]  
 9/22/06  
 Robert L. Clark, P.E.  
 PE #39712  
 Structural

Revsd By: F.K.	Date: 09/20/06	Revisions: H	ADD AIR SPACE DIM. TO I.G. GLASS DETAILS.
Revsd By: J.J.	Date: 08/04/05	Revisions: G	REMOVED OBSOLETE ALT. EXT.
Revsd By: F.K.	Date: 12/16/04	Revisions: F	ADD ALT. EXTR & GLAZING
Drawn By: F.K.	Date: 4/18/01	Checked By: J.J.	Date: 6/14/06

1070 TECHNOLOGY DRIVE  
 NOKOMIS, FL 34275  
 P.O. BOX 1529  
 NOKOMIS, FL 34274



Description: <b>GLAZING DETAILS</b>			
Title: <b>ALUM. SINGLE HUNG WINDOW, W/ H.D. MTG. RAIL</b>			
Series/Model: SH4000	Scale: Full	Sheet: 2 of 7	Drawing No. 2737
			Rev: H

COMPARATIVE ANALYSIS:											TABLE 1.	
WINDOW WIDTH	GLASS TYPE	WINDOW HEIGHT										
		26"		38 3/8"		50 5/8"		63"		76"		
19 1/8"	A, G	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	
	B	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-86.3	
	H	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-86.3	
	C, E	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	
	D, F	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-86.3	
24"	A, G	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-87.5	
	B	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-75.2	
	H	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-75.2	
	C, E	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-86.8	
	D, F	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-75.2	
26 1/2"	A, G	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-83.2	
	B	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-71.6	
	H	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-71.6	
	C, E	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-82.6	
	D, F	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-71.6	
32"	A, G	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-77.5	
	B	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-66.7	
	H	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-66.7	
	C, E	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-76.9	
	D, F	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-66.7	
37"	A, G	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-75.7	
	B	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-88.5	+56.7	-65.0	
	H	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-65.0	
	C, E	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-75.1	
	D, F	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-65.0	
40"	A, G	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-75.6	
	B	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-83.9	+56.7	-65.0	
	H	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-65.0	
	C, E	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-75.0	
	D, F	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-65.0	
44"	A, G	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-75.6	
	B	+56.7	-90.0	+56.7	-90.0	+56.7	-86.5	+56.7	-77.1	+56.7	-65.0	
	H	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-65.0	
	C, E	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-75.0	
	D, F	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-88.0	+56.7	-65.0	
48"	A, G	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-75.6	
	B	+56.7	-90.0	+56.7	-90.0	+56.7	-79.9	+56.7	-70.2	+56.7	-64.2	
	H	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-83.0	+56.7	-65.0	
	C, E	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-75.0	
	D, F	+56.7	-90.0	+56.7	-90.0	+56.7	-83.4	+56.7	-80.2	+56.7	-65.0	
53 1/8"	A, G	+56.7	-87.0	+56.7	-80.0	+56.7	-90.0	+56.7	-83.3	+56.7	-75.6	
	B	+56.7	-87.0	+56.7	-80.0	+56.7	-73.4	+56.7	-60.8	+56.7	-57.4	
	H	+56.7	-87.0	+56.7	-80.0	+56.7	-82.3	+56.7	-71.6	+56.7	-65.0	
	C, E	+56.7	-87.0	+56.7	-80.0	+56.7	-90.0	+56.7	-82.6	+56.7	-75.0	
	D, F	+56.7	-87.0	+56.7	-80.0	+56.7	-71.8	+56.7	-71.6	+56.7	-64.3	

NOTES:

- GLASS TYPES: A. 3/16" TEMPERED  
B. 3/16" ANNEALED  
C. 1/2" I.G. (1/8" T, 1/4" AIR SPACE, 1/8" T)  
D. 1/2" I.G. (1/8" A, 1/4" AIR SPACE, 1/8" A)  
E. 1/2" I.G. (3/16" T, 3/16" AIR SPACE, 1/8" T)  
F. 1/2" I.G. (3/16" A, 3/16" AIR SPACE, 1/8" A)  
G. 1/4" TEMPERED  
H. 1/4" ANNEALED
- NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-02.  $\Delta$
- POSITIVE DESIGN LOADS BASED ON WATER TESTED PRESSURE AND GLASS TABLES ASTM E 1300-02.  $\Delta$
- SEE SHEETS 6 AND 7 FOR ANCHORAGE INFORMATION.

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 06-0706-03  
Expiration Date 10/08/11  
By [Signature]  
Miami Dade Product Control  
Division

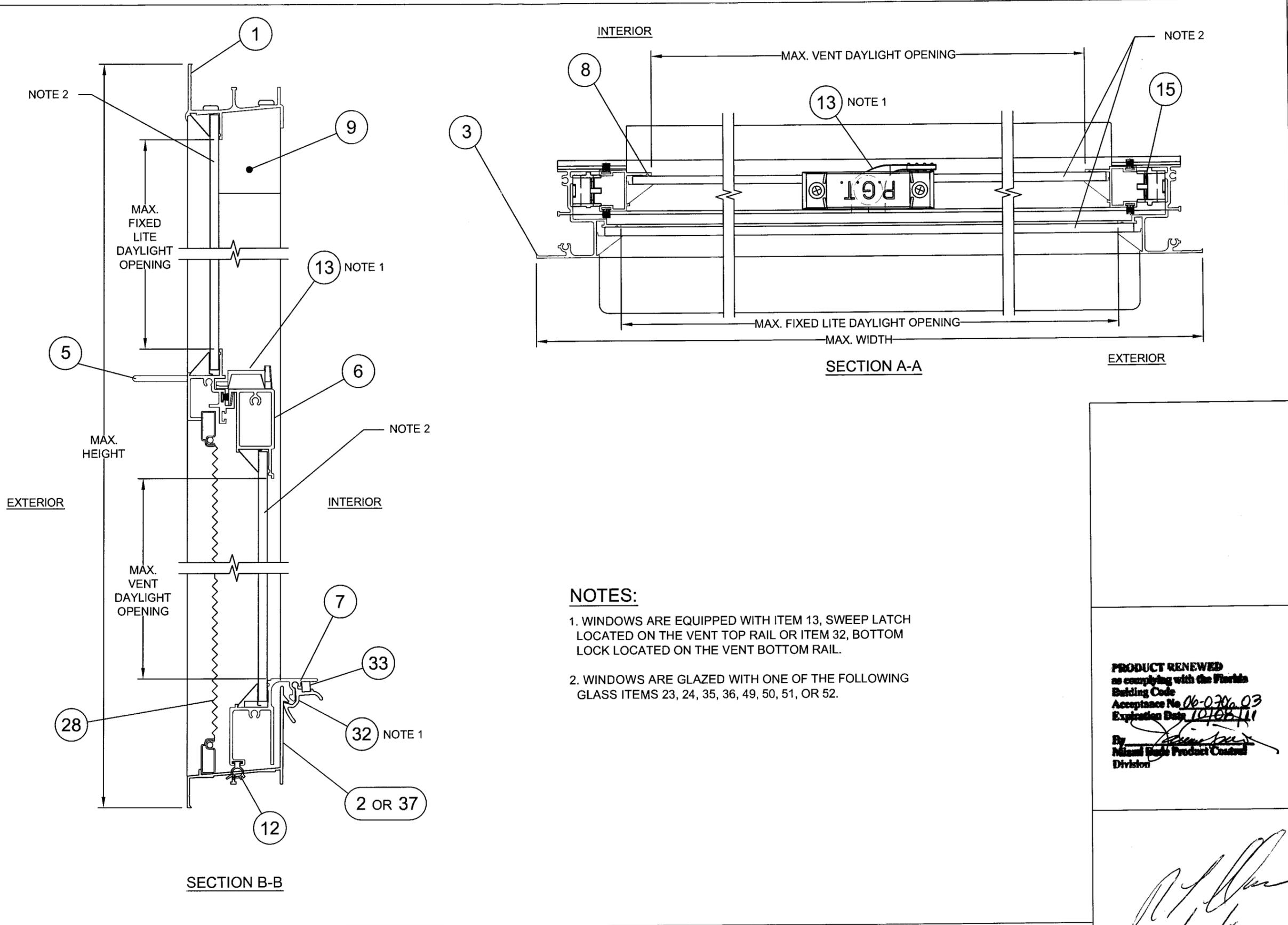
[Signature]  
Robert L. Clark, P.E.  
PE #39712  
Structural

Revsd By: F.K.	Date: 09/20/06	Revisions: H	ADD AIR SPACE DIM. TO I.G. GLASS RECIPE. UPDATE TABLE DESIGN PRESSURES PER ASTM E 1300-02.
Revsd By: F.K.	Date: 05/25/06	Revisions: G	REMOVED OBSOLETE ALT. EXT. AND REFORMAT TABLES INTO ONE. REDUCE MAX. NEGATIVE DP FROM -110 TO -90 PSF.
Revsd By: F.K.	Date: 12/16/04	Revisions: F	ADD GLASS TYPES AND NOTE 3.
Drawn By: F.K.	Date: 4/18/01	Checked By: J.J.	Date: 6/14/06

1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274



Description: DESIGN PRESSURES			
Title: ALUM. SINGLE HUNG WINDOW, W/ H.D. MTG. RAIL			
Series/Model: SH4000	Scale: NTS	Sheet: 3 of 7	Drawing No: 2737
			Rev: H



- NOTES:**
1. WINDOWS ARE EQUIPPED WITH ITEM 13, SWEEP LATCH LOCATED ON THE VENT TOP RAIL OR ITEM 32, BOTTOM LOCK LOCATED ON THE VENT BOTTOM RAIL.
  2. WINDOWS ARE GLAZED WITH ONE OF THE FOLLOWING GLASS ITEMS 23, 24, 35, 36, 49, 50, 51, OR 52.

**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 06-0706-03  
 Expiration Date 10/05/11  
 By *[Signature]*  
 Miami Code Product Control  
 Division

*[Signature]*  
 9/22/06  
 Robert L. Clark, P.E.  
 PE #39712  
 Structural

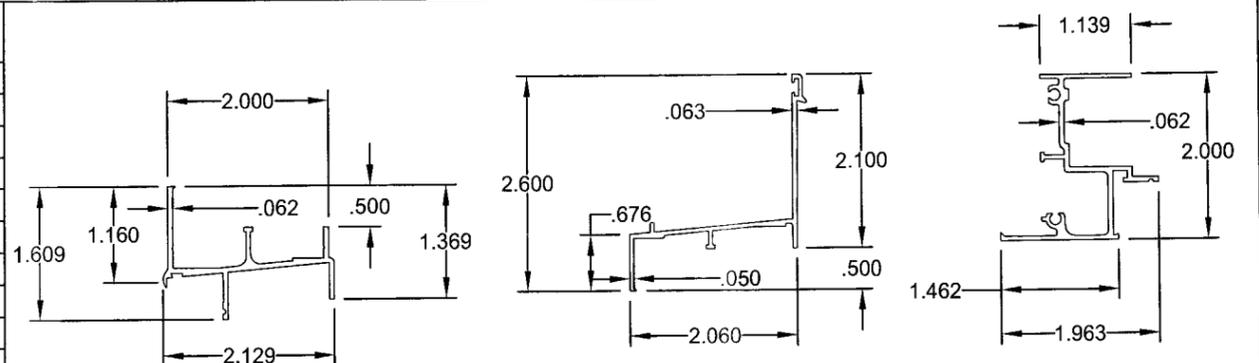
Revsd By: F.K.	Date: 09/20/06	Revisions: H	NO CHANGE THIS SHEET
Revsd By: J.J.	Date: 08/04/05	Revisions: G	UPDATE EXTRUSIONS AND CORRECT NOTE 2, ITEM 23 NOT 25.
Revsd By: F.K.	Date: 12/16/04	Revisions: F	UPDATE EXTR & NOTES
Drawn By: F.K.	Date: 4/18/01	Checked By: J.J.	Date: 6/14/06

1070 TECHNOLOGY DRIVE  
 NOKOMIS, FL 34275  
 P.O. BOX 1529  
 NOKOMIS, FL 34274

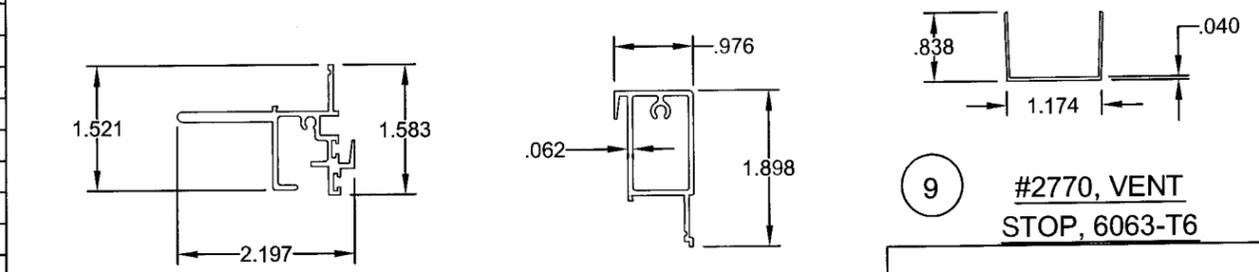


Description: SECTIONS		Title: ALUM. SINGLE HUNG WINDOW, W/ H.D. MTG. RAIL	
Series/Model: SH4000	Scale: NTS	Sheet: 4 of 7	Drawing No: 2737
			Rev: H

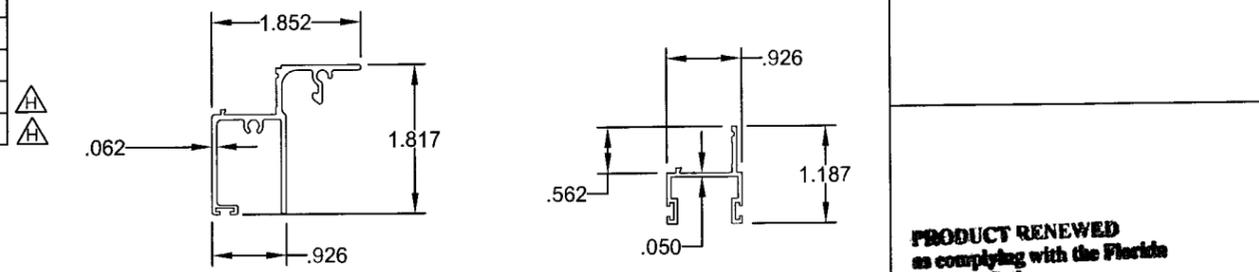
ITEM	DESCRIPTION	PGT #	VENDOR/MAT'L	DWG.#
1	FLANGED FRAME HEAD	62703	6063-T6	2703
2	FLANGED FRAME SILL	62704	6063-T6	2704
3	FLANGED FRAME JAMB	62705	6063-T6	2705
5	HEAVY DUTY FIXED MEETING RAIL	6534525	6063-T6	2710
6	VENT TOP RAIL	6534522	6063-T6	2707
7	VENT BOTTOM RAIL	6534523	6063-T6	2708
8	VENT SIDE RAIL	6534524	6063-T6	2709
9	VENT STOP	66387	6063-T6	2770
10	VENT CAM INSERT (L.H. & R.H.)	42800	NYLON 6/6	2748
11	#8 x .750 QUAD PAN HEAD SMS	7834PA	SPENCER OR =	
12	WEATHERSTRIP, VINYL BULB W/LEAF	6TP249	TEAM PLASTICS OR =	
13	SWEEP LATCH	71096	MINIATURE DIE CASTING OR =	
14	#8 x .625 PHILLIPS FLAT HEAD SMS	7858	SPENCER OR =	
15	BALANCE		CALDWELL OR =	
16	WEATHERSTRIP, .187 x .270 FIN	61062	TEAM PLASTICS OR =	
17	WEATHERSTRIP, .187 x .200, FIN	67919	SCHLEGEL OR =	
18	BALANCE TAKE-OUT CLIP	7121UM	CALDWELL OR =	
19	SILICON GLAZING SEALANT	62899	DOW, GE OR =	
23	3/16" ANNEALED GLASS			
24	3/16" TEMPERED GLASS			
25	3/16", 1/4" GLAZING BEAD	65196	FLORIDA SCREEN OR =	
26	#8 x 1.000 QUAD PAN HEAD SMS	781PQ	SPENCER OR =	
27	1" x 1.5" OPEN CELL FOAM PAD			
28	SCREEN ASSEMBLY			
32	VENT RAIL BOTTOM LOCK	62721	6063-T6	2740
33	VENT RAIL BOTTOM LOCK SPRING	7SPRNG	S. STL	
34	GLAZING BEAD, 1/2" I.G.	1253	TEAM PLASTICS OR =	
35	1/2" I.G. GLASS (1/8" TEMPERED, 1/4" AIR SPACE, 1/8" TEMPERED)			
36	1/2" I.G. GLASS (1/8" ANNEALED, 1/4" AIR SPACE, 1/8" ANNEALED)			
37	FLANGED FRAME SILL	62751	6063-T6	2751
47	1"x 2"x1/16" FOAM GASKET			
49	1/4" ANNEALED GLASS			
50	1/4" TEMPERED GLASS			
51	1/2" I.G. GLASS (3/16" ANNEALED, 3/16" AIR SPACE, 1/8" ANNEALED)			
52	1/2" I.G. GLASS (3/16" TEMPERED, 3/16" AIR SPACE, 1/8" TEMPERED)			



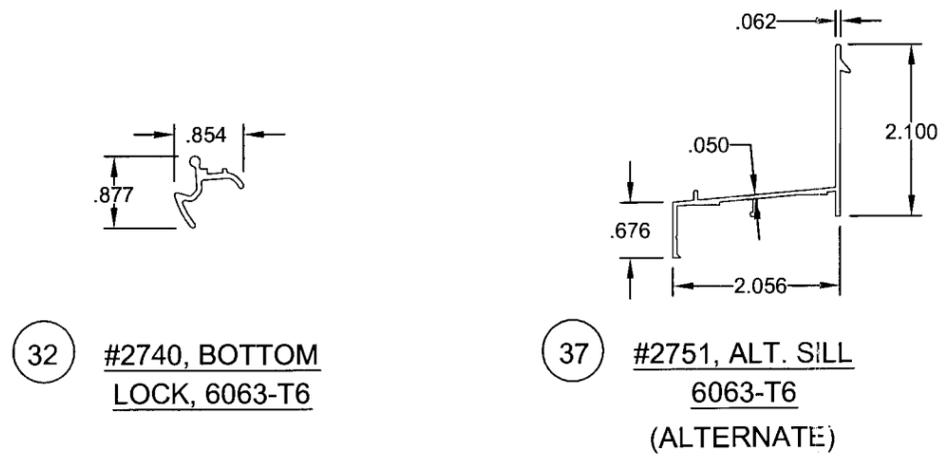
1 #2703, HEAD 6063-T6  
 2 #2704, SILL 6063-T6  
 3 #2705, JAMB 6063-T6



5 #2710, HD MTG. RAIL, 6063-T6  
 6 #2707, VENT TOP RAIL, 6063-T6  
 9 #2770, VENT STOP, 6063-T6



7 #2708, VENT BOTTOM RAIL, 6063-T6  
 8 #2709, VENT SIDE RAIL, 6063-T6



32 #2740, BOTTOM LOCK, 6063-T6  
 37 #2751, ALT. SILL 6063-T6 (ALTERNATE)

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 Expiration Date 10/08/11  
 By: [Signature]  
 National Glazing Product Control  
 Division

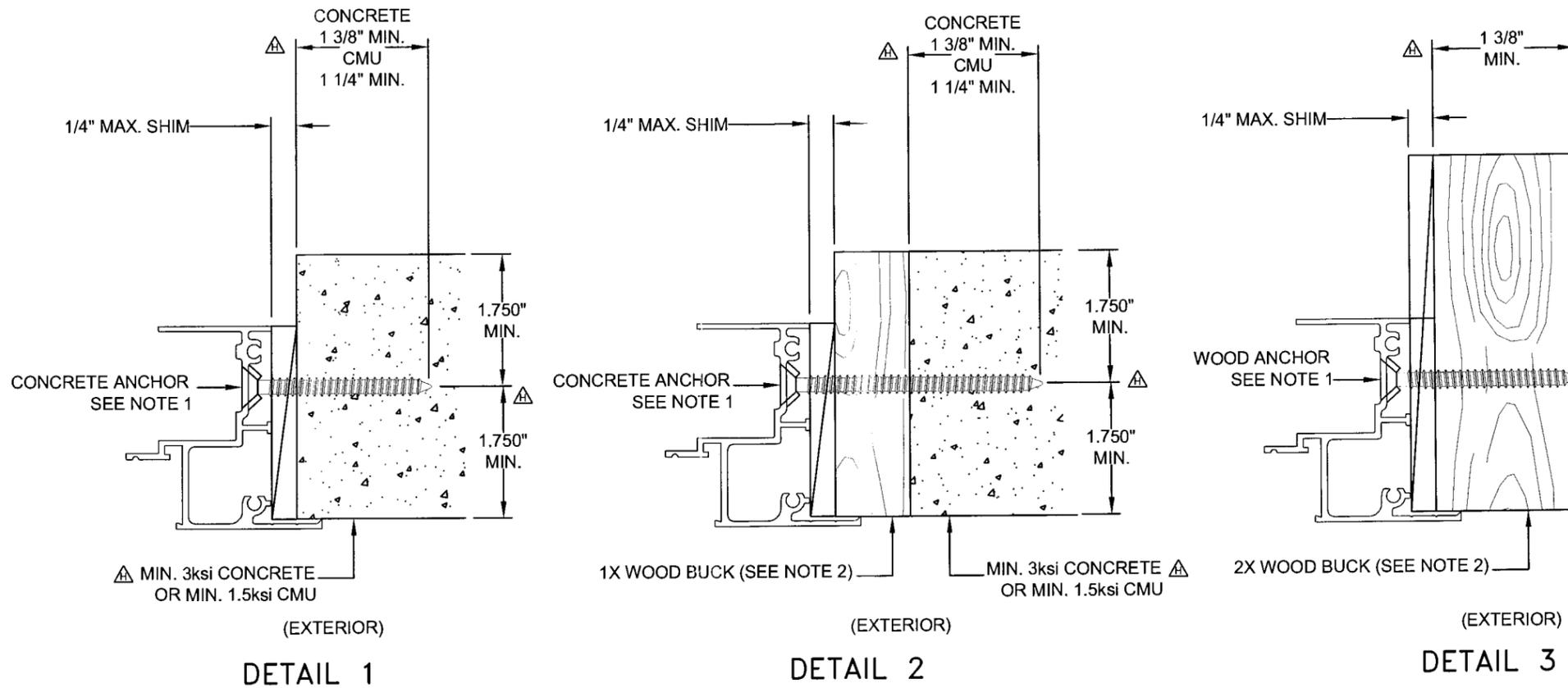
[Signature]  
 9/22/06  
 Robert L. Clark, P.E.  
 PE #39712  
 Structural

Revsd By: F.K.	Date: 09/20/06	Revisions: H	ADD AIR SPACE DIM. TO I.G. GLASS RECIPES ITEMS 35,36,51 & 52.
Revsd By: J.J.	Date: 08/04/05	Revisions: G	UPDATE BOM
Revsd By: F.K.	Date: 12/16/04	Revisions: F	UPDATE MAT'L & DWG NO.S
Drawn By: F.K.	Date: 4/18/01	Checked By: J.J.	Date: 6/14/06

1070 TECHNOLOGY DRIVE  
 NOKOMIS, FL 34275  
 P.O. BOX 1529  
 NOKOMIS, FL 34274



Description: PARTS LIST AND EXTRUSIONS			
Title: ALUM. SINGLE HUNG WINDOW, W/ H.D. MTG. RAIL			
Series/Model: SH4000	Scale: Half	Sheet: 5 of 7	Drawing No. 2737
			Rev: H



**TYPICAL JAMB ANCHORAGE**

**NOTES:**

- MIAMI-DADE COUNTY APPROVED ANCHOR TYPES: 1. ELCO 1/4" TAPCON 2. ELCO 1/4" SS4 CRETE-FLEX MASONRY SCREWS 3. #12 STEEL SCREW (G5)  
 △ FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY ABOVE APPROVED 1/4" TAPCONS OR SS4 CRETE-FLEX. MINIMUM DISTANCE FROM ANCHOR TO CONCRETE EDGE IS 1.750". FOR WOOD APPLICATIONS USE #12 STEEL SCREWS (G5) OR 1/4" ELCO SS4 CRETE-FLEX ANCHORS.
- WOOD BUCKS DEPICTED IN THE SECTIONS ON THIS PAGE AS 1x ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1 1/2". WOOD BUCKS DEPICTED AS 2x ARE 1 1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY AUTHORITY HAVING JURISDICTION.
- WOOD BUCKS LESS THAN 1 1/2" THICK ARE OPTIONAL (PRODUCT MAY BE INSTALLED DIRECTLY TO CONCRETE).
- FOR ATTACHMENT TO ALUMINUM: THE MATERIAL SHALL BE A MINIMUM STRENGTH OF 6063-T5 AND A MINIMUM OF 1/16" THICK. THE ALUMINUM STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE WINDOW JAMB SIMILAR TO THAT SHOWN IN DETAIL 3 ABOVE FOR 2x WOOD BUCKS. THE ANCHOR SHALL BE A #12 SHEET METAL SCREW WITH FULL ENGAGEMENT INTO THE ALUMINUM. IF THESE CRITERIA ARE MET THE PRESSURES AND ANCHOR QUANTITIES SHOWN IN TABLE 2, SHEET 7 FOR ANCHOR TYPES 1 AND 2 IN CONCRETE MAY BE USED.
- 53 1/8" WIDE x 76" HIGH UNITS TESTED TO FULL DESIGN PRESSURE AT THE FOLLOWING SPACING WITH NO HEAD OR SILL ANCHORS (REF. TEST REPORTS FTL-4253 AND FTL-4378):  
 △ JAMBS: 9" MAX. FROM CORNERS, 8 1/2" BELOW MEETING RAIL AND 17" ABOVE THE LOWER MEETING RAIL ANCHOR. 3" MIN. ANCHOR SPACING.
- FOR INSTALLATION IN MIAMI-DADE COUNTY REFER TO DIMENSIONS OF NOTE 6 AND ANCHOR QUANTITIES PER JAMB IN TABLE 2, SHEET 7. ADDITIONAL ANCHORS, WHEN REQUIRED, TO BE EQUALLY SPACED ABOVE AND BELOW THE MEETING RAIL BETWEEN THE CORNER AND MEETING RAIL ANCHORS.
- MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FBC 2004, SECTION 2003.8.4 (SUPPLEMENT 2005).

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 Division

[Signature]  
 9/22/06  
 Robert L. Clark, P.E.  
 PE #39712  
 Structural

Revsd By: F.K.	Date: 09/20/06	Revisions: H	REVISE NOTES 1 & 5. REMOVE NOTE 8, RE OUTSIDE MIAMI-DADE. SPECIFY CONCRETE, CMU, EDGE DISTANCE & CHG. EMBED. IN DETAILS	1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275  P.O. BOX 1529 NOKOMIS, FL 34274	<b>PGT</b> Visibly Better	Description: ANCHORAGE DETAILS				
Revsd By: F.K.	Date: 05/25/06	Revisions: G	REVERSE ANCHOR SHTS. AND REVISE ANCHORAGE NOTES			Title: ALUM. SINGLE HUNG WINDOW, W/ H.D. MTG. RAIL				
Revsd By: F.K.	Date: 12/16/04	Revisions: F	UPDATE EXTR. & NOTES			Series/Model: SH4000	Scale: NTS	Sheet: 6 of 7	Drawing No. 2737	Rev: H
Drawn By: F.K.	Date: 4/18/01	Checked By: J.J.	Date: 6/14/06							

QUANTITY OF ANCHORS REQUIRED EACH JAMB																	TABLE 2.
ANCHOR/SUBSTRATE		WINDOW HEIGHT															
WINDOW WIDTH	GLASS TYPE	26"			38 3/8"			50 5/8"			63"			76"			
		3/W	2/W	1,2/C	3/W	2/W	1,2/C	3/W	2/W	1,2/C	3/W	2/W	1,2/C	3/W	2/W	1,2/C	
19 1/8"	A, G	4	4	4	4	4	4	4	4	6	6	6	6	6	6	6	
	B	4	4	4	4	4	4	4	4	6	6	6	6	6	6	6	
	H	4	4	4	4	4	4	4	4	6	6	6	6	6	6	6	
	C, E	4	4	4	4	4	4	4	4	6	6	6	6	6	6	6	
	D, F	4	4	4	4	4	4	4	4	6	6	6	6	6	6	6	
24"	A, G	4	4	4	4	4	4	6	4	6	6	6	6	6	6	6	
	B	4	4	4	4	4	4	6	4	6	6	6	6	6	6	6	
	H	4	4	4	4	4	4	6	4	6	6	6	6	6	6	6	
	C, E	4	4	4	4	4	4	6	4	6	6	6	6	6	6	6	
	D, F	4	4	4	4	4	4	6	4	6	6	6	6	6	6	6	
26 1/2"	A, G	4	4	4	4	4	4	6	6	6	6	6	6	6	6	8	
	B	4	4	4	4	4	4	6	6	6	6	6	6	6	6	6	
	H	4	4	4	4	4	4	6	6	6	6	6	6	6	6	6	
	C, E	4	4	4	4	4	4	6	6	6	6	6	6	6	6	8	
	D, F	4	4	4	4	4	4	6	6	6	6	6	6	6	6	6	
32"	A, G	4	4	4	4	4	6	6	6	6	6	6	8	6	6	8	
	B	4	4	4	4	4	6	6	6	6	6	6	8	6	6	6	
	H	4	4	4	4	4	6	6	6	6	6	6	8	6	6	6	
	C, E	4	4	4	4	4	6	6	6	6	6	6	8	6	6	8	
	D, F	4	4	4	4	4	6	6	6	6	6	6	8	6	6	6	
37"	A, G	4	4	4	6	4	6	6	6	6	6	6	8	8	6	8	
	B	4	4	4	6	4	6	6	6	6	6	6	8	6	6	8	
	H	4	4	4	6	4	6	6	6	6	6	6	8	6	6	8	
	C, E	4	4	4	6	4	6	6	6	6	6	6	8	8	6	8	
	D, F	4	4	4	6	4	6	6	6	6	6	6	8	6	6	8	
40"	A, G	4	4	4	6	6	6	6	6	6	8	6	10	8	8	8	
	B	4	4	4	6	6	6	6	6	6	6	6	8	6	6	8	
	H	4	4	4	6	6	6	6	6	6	8	6	10	6	6	8	
	C, E	4	4	4	6	6	6	6	6	6	8	6	10	8	8	8	
	D, F	4	4	4	6	6	6	6	6	6	8	6	10	6	6	8	
44"	A, G	4	4	4	6	6	6	6	6	8	10	8	10	8	8	10	
	B	4	4	4	6	6	6	6	6	8	6	6	10	6	6	8	
	H	4	4	4	6	6	6	6	6	8	10	8	10	6	6	8	
	C, E	4	4	4	6	6	6	6	6	8	10	8	10	8	8	10	
	D, F	4	4	4	6	6	6	6	6	8	8	6	10	6	6	8	
48"	A, G	4	4	4	6	6	6	8	6	10	10	10	10	10	8	10	
	B	4	4	4	6	6	6	6	6	8	6	6	10	8	6	10	
	H	4	4	4	6	6	6	8	6	10	10	8	10	8	6	10	
	C, E	4	4	4	6	6	6	8	6	10	10	10	10	10	8	10	
	D, F	4	4	4	6	6	6	6	6	8	10	6	10	8	6	10	
53 1/8"	A, G	4	4	4	6	6	6	8	8	10	10	10	10	10	10	12	
	B	4	4	4	6	6	6	6	6	8	6	6	8	6	6	10	
	H	4	4	4	6	6	6	8	8	10	8	8	10	10	10	10	
	C, E	4	4	4	6	6	6	8	8	10	10	10	10	10	10	12	
	D, F	4	4	4	6	6	6	6	6	8	8	8	10	10	8	10	

**ANCHOR TYPE/SUBSTRATE KEY**

3/W = #12 SCREW IN WOOD  
 2/W = 1/4" SS4 CRETE-FLEX IN WOOD  $\Delta$   
 1,2/C = 1/4" TAPCON OR 1/4" SS4 CRETE-FLEX IN CONCRETE  
 (SEE APPLICATION NOTES AND DETAILS ON SHEET 6)  
 NOTE: ANCHORS NOT REQUIRED IN HEAD OR SILL

**GLASS TYPE KEY**

A. 3/16" TEMPERED  
 B. 3/16" ANNEALED  
 C. 1/2" I.G. (1/8" T, 1/4" AIR SPACE, 1/8" T)  
 D. 1/2" I.G. (1/8" A, 1/4" AIR SPACE, 1/8" A)  
 E. 1/2" I.G. (3/16" T, 3/16" AIR SPACE, 1/8" T)  
 F. 1/2" I.G. (3/16" A, 3/16" AIR SPACE, 1/8" A)  $\Delta$   
 G. 1/4" TEMPERED  
 H. 1/4" ANNEALED

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 Miami State Product Control  
 Division

*[Signature]*  
 9/22/06  
 Robert L. Clark, P.E.  
 PE #39712  
 Structural

Revsd By: F.K.	Date: 09/20/06	Revisions: H	ADD AIR SPACE DIM. TO I.G. GLASS RECIPE. REVISE TABLE ANCHOR QUANTITIES PER NEW ANCHOR CALCS.	1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275  P.O. BOX 1529 NOKOMIS, FL 34274	<b>PGT</b> Visibly Better	Description: ANCHORAGE SPACING, 1/1 WINDOWS				
Revsd By: F.K.	Date: 05/25/06	Revisions: G	REVISE AND UPDATE ANCHORAGE FORMAT			Title: ALUM. SINGLE HUNG WINDOW, W/ H.D. MTG. RAIL				
Revsd By: F.K.	Date: 12/16/04	Revisions: F	UPDATE NOTE 1			Series/Model: SH4000	Scale: NTS	Sheet: 7 of 7	Drawing No: 2737	Rev: H
Drawn By: F.K.	Date: 4/18/01	Checked By: J.J.	Date: 6/14/06							