



MIAMI-DADE COUNTY
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 " Series SH-4000 Alum. Single Hung Window W/ H.D. MTG. Rail", dated 04/18/01 with revision "3" on 12/16/04, sheets 1 through 8 of 8, prepared by manufacturer, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control Revision 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 revises NOA # 04-0319.02 and, consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Herminio F. Gonzalez, P.E., Director, BCCO**



NOA No 05-0112.01
Expiration Date: October 08, 2006
Approval Date: March 31, 2005
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturers die drawings and sections.
2. Drawing No. **2737**, titled "SH-4000 Alum. Single Hung Window W/H.D. MTG. Rail", sheets 1 through 8 of 8, prepared by manufacture, dated 04/18/01, with revisions "3" dated 12/16/04, 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# 04-0319.02"
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# 04-0319.02"
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# 04-0319.02"
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# 04-0319.02"



Herminio F. Gonzalez, P.E.
Director, Building Code Compliance Office

NOA No 05-0112.01

Expiration Date: October 08, 2006

Approval Date: March 31, 2005

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# 04-0319.02”

C. CALCULATIONS

1. Anchor Calculations, ASTM-E1300, and structural analysis, prepared by PGT Engineering, dated 02/12/04, signed and sealed by Robert L. Clark, P.E.
“Submitted under NOA# 04-0319.02”
2. Revised Anchor Calculations dated 10/21/04, prepared, signed and sealed by Robert L. Clark, P.E.
“Submitted under NOA# 04-0319.02”
3. Anchor Calculations dated 5/2/2000, last revised on 08-09-2001, prepared, signed and sealed by Robert L. Clark, P.E.
“Submitted under NOA# 04-0319.02”
4. Anchor Calculations, ASTM-E1300, and structural analysis, prepared by PGT Engineering, dated 12/29/04, signed and sealed by Robert L. Clark, P.E.

D. QUALITY ASSURANCE

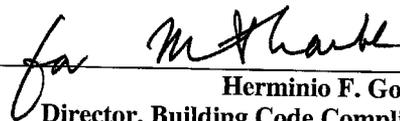
1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. None

F. STATEMENTS

1. Statement letter of conformance, dated May 11, 2001, signed by Robert L. Clark, P.E.
“Submitted under NOA# 04-0319.02”
2. Statement letter of no financial interest, dated May 11, 2001, signed by Robert L. Clark, P.E.
“Submitted under NOA# 04-0319.02”
3. 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”



Herminio F. Gonzalez, P.E.
Director, Building Code Compliance Office

NOA No 05-0112.01

Expiration Date: October 08, 2006

Approval Date: March 31, 2005

PGT Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. "Expedite" file review request dated July 23, 2001, by PGT, signed by Robert L. Clark, P.E.
"Submitted under NOA# 04-0319.02"
5. Statement letter of conformance, dated March 17, 2004, signed by Robert L. Clark, 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. **04-0319.02**, issued to PGT Industries, for "SH-4000 Alum. Single Hung Window W/H.D. MTG. Rail", approved on 12/02/04 and expiring 10/08/06.



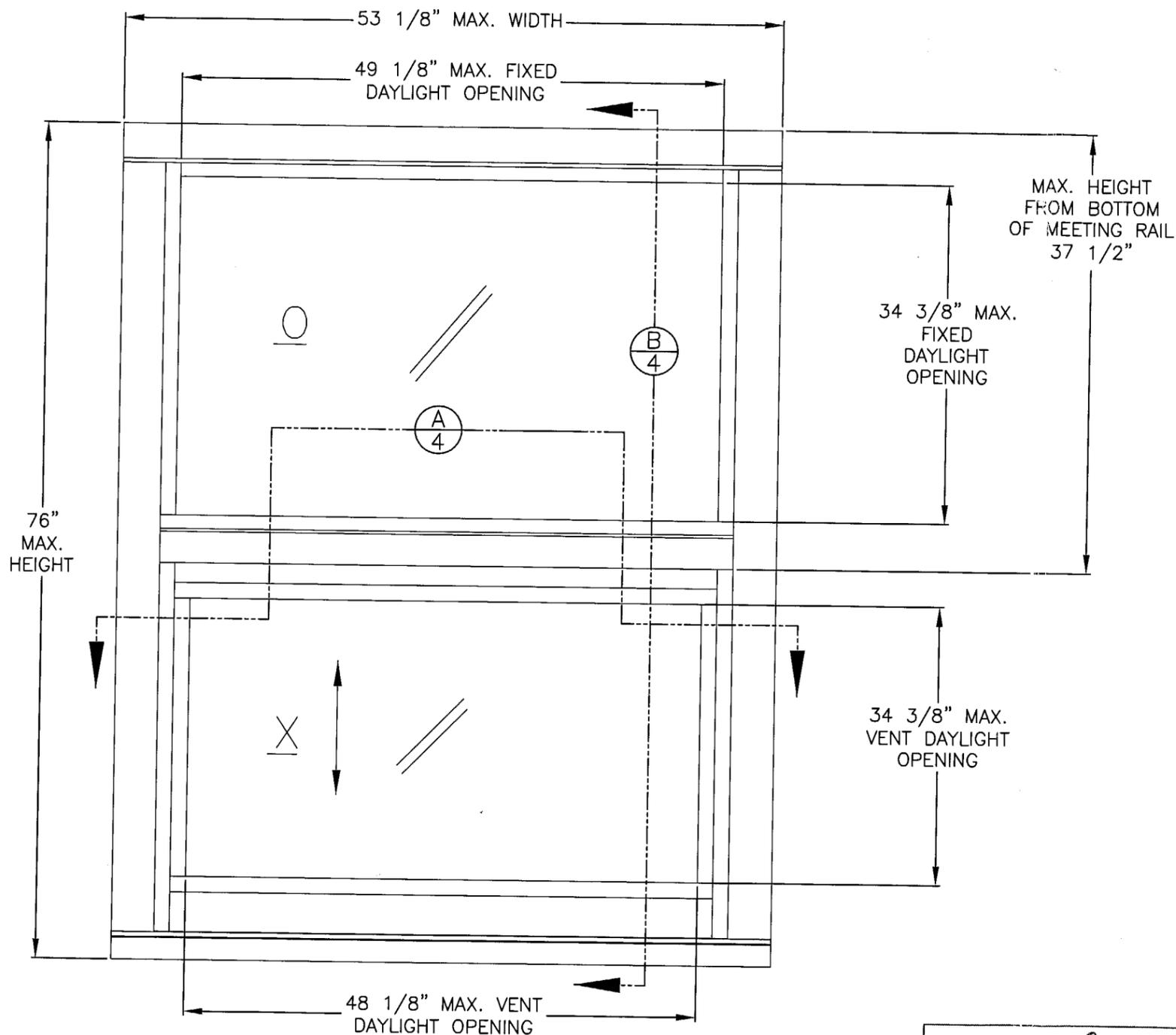
Herminio F. Gonzalez, P.E.
Director, Building Code Compliance Office
NOA No 05-0112.01
Expiration Date: October 08, 2006
Approval Date: March 31, 2005

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, AIR SPACE, 1/8" TEMPERED)
 - D.) 1/2" I.G. GLASS (1/8" ANNEALED, AIR SPACE, 1/8" ANNEALED)
 - E.) 1/2" I.G. GLASS (3/16" TEMPERED, AIR SPACE, 1/8" TEMPERED)
 - F.) 1/2" I.G. GLASS (3/16" ANNEALED, AIR SPACE, 1/8" ANNEALED)
 - 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 7 AND 8.
- △6.) SEALANTS: FRAME CORNERS, FIXED MEETING RAIL SEAMS AND VENT CORNERS WITH CLEAR COLORED SEALANT.
- △7.) REFERENCE TEST REPORTS: FTL-2957, FTL-2958, FTL-3986, FTL3987, FTL-4253 AND FTL-4378

NOA DRAWING MAP

TOPIC	SHEET
GENERAL NOTES.....	1
ELEVATIONS.....	1
GLAZING DETAILS.....	2
DESIGN PRESSURES....	3
VERT. SECTIONS.....	4
HORIZ. SECTIONS.....	4
PARTS LIST.....	5-6
EXTRUSIONS.....	5-6
ANCHORAGE.....	7-8



OUTSIDE ELEVATION

[Signature]
01/10/05
Robert L. Clark, P.E.
PE #39712
Structural

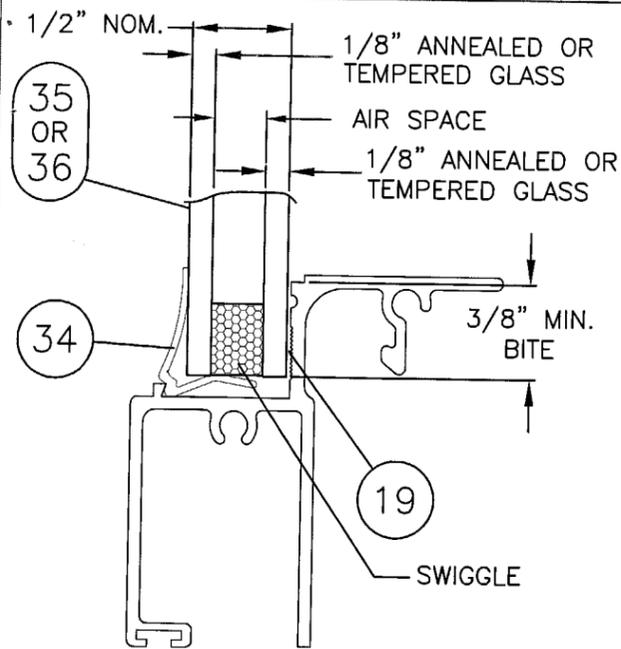


1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

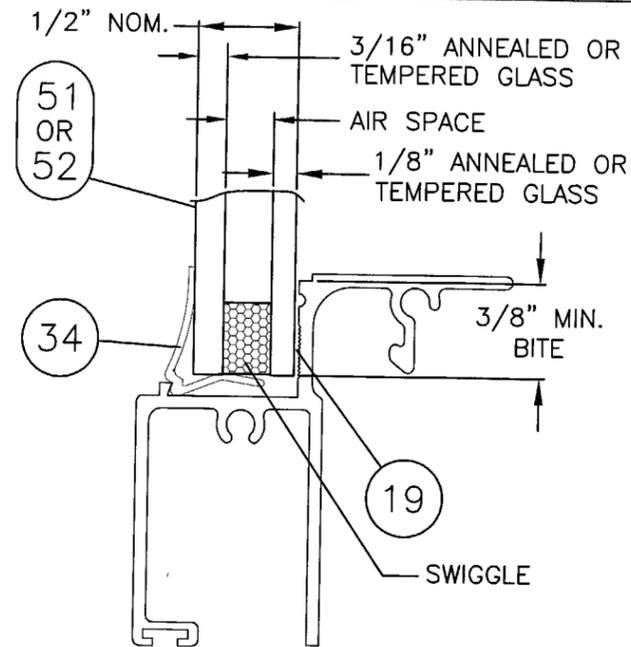
Revsd By: F.K.	Date: 12/16/04	Revisions: F-ADD ALT. EXTRUSIONS
Revsd By: F.K.	Date: 5/24/04	Revisions: E-MARKED CORRECTIONS
Revsd By: F.K.	Date: 12/05/03	Revisions: D-ADD IG GLASS & NOTES
Drawn By: F.K.	Date: 4/18/01	

Description: ELEVATION & NOTES				
Title: ALUM. SINGLE HUNG WINDOW W/ H.D. MTG. RAIL				
Series/Model: SH-4000	Scale: NTS	Sheet: 1 of 8	Drawing No. 2737	Rev: F

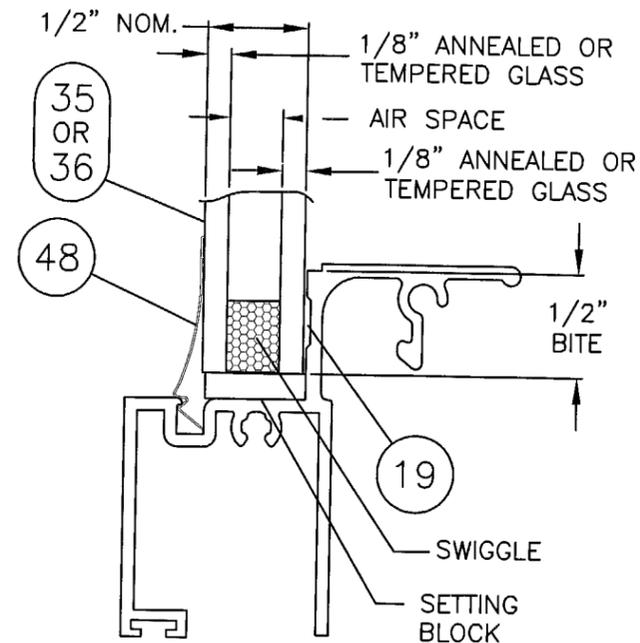
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-011201
Expiration Date 10/08/06
By *[Signature]*
Miami Dade Product Control
Division



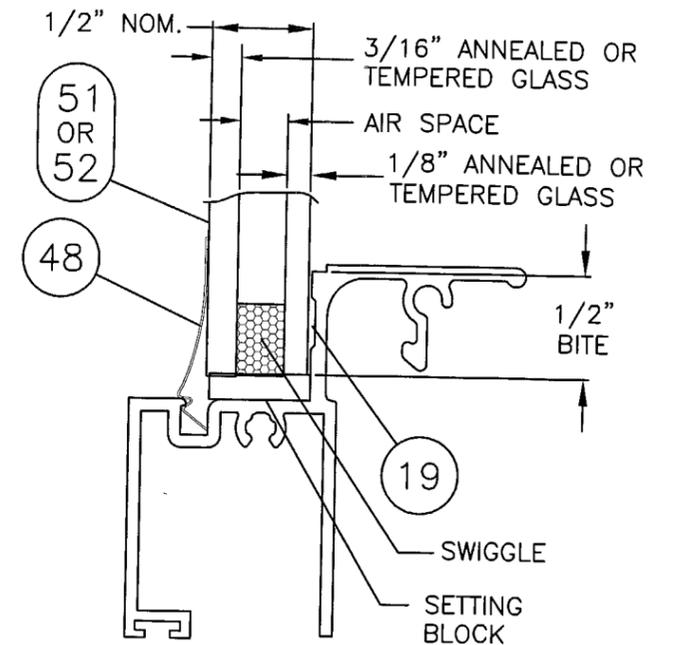
1/2" I.G. GLAZING DETAIL
(ORIGINAL DESIGN)



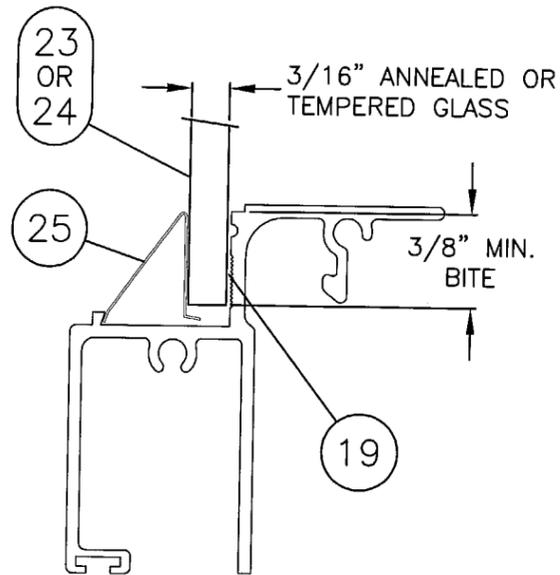
1/2" I.G. GLAZING DETAIL
(ORIGINAL DESIGN) Δ



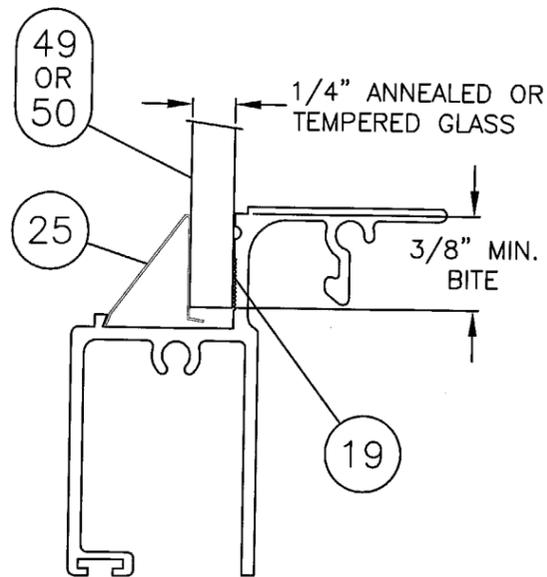
1/2" I.G. GLAZING DETAIL
(ALTERNATE DESIGN) Δ



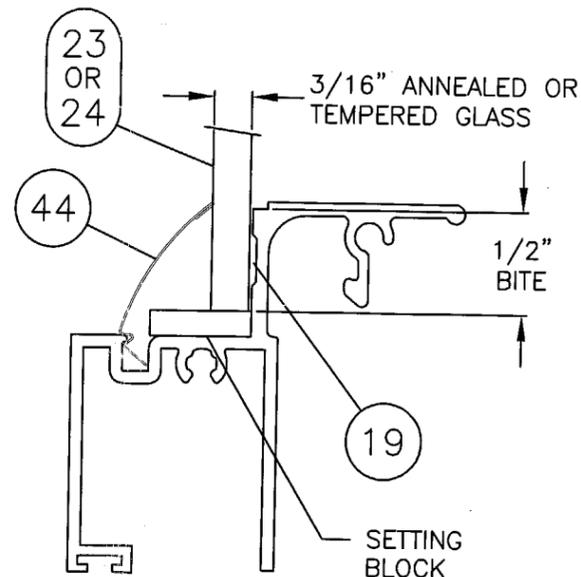
1/2" I.G. GLAZING DETAIL
(ALTERNATE DESIGN) Δ



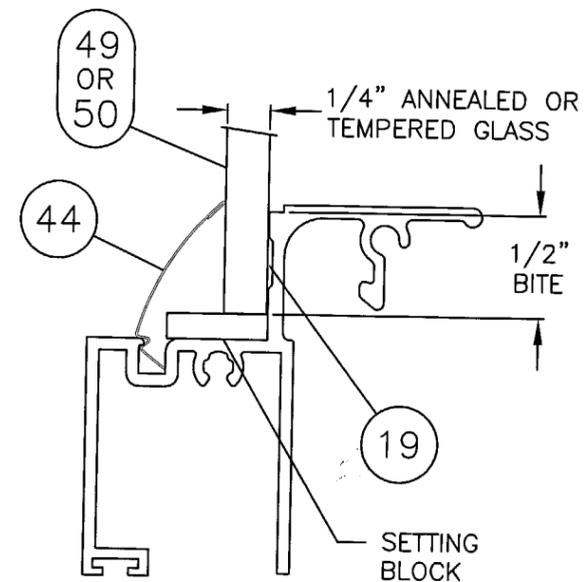
3/16" GLAZING DETAIL
(ORIGINAL DESIGN)



1/4" GLAZING DETAIL
(ORIGINAL DESIGN) Δ



3/16" GLAZING DETAIL
(ALTERNATE DESIGN) Δ



1/4" GLAZING DETAIL
(ALTERNATE DESIGN) Δ

PRODUCT REVISION
as complying with the Florida
Building Code
Acceptance No. 05-0112.01
Expiration Date 10/08/06
By *M. H. H. H.*
Miami Dade Product Control
Division

Robert L. Clark
01/10/05
Robert L. Clark, P.E.
PE #39712
Structural

PGI
Visibly Better

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

Revsd By: F.K.	Date: 12/16/04	Revisions: F-ADD ALT. EXTR & GLAZING
Revsd By:	Date:	Revisions: NEW SHEET
Drawn By: F.K.	Date: 4/18/01	

Description:
GLAZING DETAILS
Title:
ALUM. SINGLE HUNG WINDOW W/ H.D. MTG. RAIL

Series/Model: SH-4000	Scale: FULL	Sheet: 2 of 8	Drawing No. 2737	Rev: F
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COMPARATIVE ANALYSIS FOR: FTL- 2957, FTL-4253 & FTL-4378

GLASS A. 3/16" TEMPERED
 TYPES: G. 1/4" TEMPERED

WINDOW WIDTH	WINDOW HEIGHT									
	26.000		38.375		50.625		63.000		76.000	
19.125	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-100.4
24.000	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-87.5
26.500	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-83.2
32.000	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-77.5
37.000	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-75.7
40.000	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-75.6
44.000	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-75.6
48.000	+56.7	-110.0	+56.7	-110.0	+56.7	-109.6	+56.7	-96.5	+56.7	-75.6
53.125	+56.7	-110.0	+56.7	-110.0	+56.7	-95.7	+56.7	-83.3	+56.7	-75.6

COMPARATIVE ANALYSIS FOR: FTL-2958

B. 3/16" ANNEALED
 H. 1/4" ANNEALED

WINDOW WIDTH	GLASS TYPE	WINDOW HEIGHT									
		26.000		38.375		50.625		63.000		76.000	
19.125	B.	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-86.3
	H.	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-86.3
24.000	B.	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-100.3	+56.7	-75.2
	H.	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-100.3	+56.7	-75.2
26.500	B.	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-97.0	+56.7	-71.6
	H.	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-97.0	+56.7	-71.6
32.000	B.	+56.7	-110.0	+56.7	-110.0	+56.7	-101.7	+56.7	-81.9	+56.7	-66.7
	H.	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-94.6	+56.7	-66.7
37.000	B.	+56.7	-110.0	+56.7	-110.0	+56.7	-86.4	+56.7	-70.9	+56.7	-61.9
	H.	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-94.6	+56.7	-65.0
40.000	B.	+56.7	-110.0	+56.7	-110.0	+56.7	-80.9	+56.7	-65.8	+56.7	-57.7
	H.	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-86.4	+56.7	-65.0
44.000	B.	+56.7	-110.0	+56.7	-110.0	+56.7	-73.1	+56.7	-59.2	+52.3	-52.3
	H.	+56.7	-110.0	+56.7	-110.0	+56.7	-103.3	+56.7	-77.8	+56.7	-65.0
48.000	B.	+56.7	-110.0	+56.7	-104.4	+56.7	-64.8	+53.9	-53.9	+48.0	-48.0
	H.	+56.7	-110.0	+56.7	-110.0	+56.7	-93.8	+56.7	-71.8	+56.7	-60.2
53.125	B.	+56.7	-110.0	+56.7	-99.7	+56.7	-59.5	+47.9	-47.9	+43.1	-43.1
	H.	+56.7	-110.0	+56.7	-100.9	+56.7	-82.3	+56.7	-65.2	+54.5	-54.5

NOTES:

1. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-98 (ASTM E 1300-94 OUTSIDE MIAMI-DADE COUNTY).
2. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-98 (ASTM E 1300-94 OUTSIDE MIAMI-DADE COUNTY).
3. SEE SHEETS 7 AND 8 FOR ANCHORAGE INFORMATION. 

COMPARATIVE ANALYSIS FOR: FTL-3986

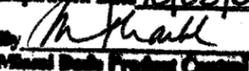
GLASS C. 1/2" I.G. (1/8" TEMPERED, AIR SPACE, 1/8" TEMPERED)
 TYPES: E. 1/2" I.G. (3/16" TEMPERED, AIR SPACE, 1/8" TEMPERED)

WINDOW WIDTH	WINDOW HEIGHT									
	26.000		38.375		50.625		63.000		76.000	
19.125	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-99.6
24.000	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-86.8
26.500	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-82.6
32.000	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-76.9
37.000	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-75.1
40.000	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-75.0
44.000	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-75.0
48.000	+56.7	-110.0	+56.7	-110.0	+56.7	-108.7	+56.7	-95.7	+56.7	-75.0
53.125	+56.7	-110.0	+56.7	-110.0	+56.7	-94.9	+56.7	-82.6	+56.7	-75.0

COMPARATIVE ANALYSIS FOR: FTL-3987

GLASS D. 1/2" I.G. (1/8" ANNEALED, AIR SPACE, 1/8" ANNEALED)
 TYPES: F. 1/2" I.G. (3/16" ANNEALED, AIR SPACE, 1/8" ANNEALED)

WINDOW WIDTH	WINDOW HEIGHT									
	26.000		38.375		50.625		63.000		76.000	
19.125	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-86.3
24.000	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-100.3	+56.7	-75.2
26.500	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-97.0	+56.7	-71.6
32.000	+56.7	-110.0	+56.7	-110.0	+56.7	-110.0	+56.7	-103.3	+56.7	-66.7
37.000	+56.7	-110.0	+56.7	-110.0	+56.7	-101.7	+56.7	-89.3	+56.7	-65.0
40.000	+56.7	-110.0	+56.7	-110.0	+56.7	-94.5	+56.7	-81.5	+56.7	-65.0
44.000	+56.7	-110.0	+56.7	-110.0	+56.7	-85.5	+56.7	-72.1	+56.7	-59.1
48.000	+56.7	-110.0	+56.7	-110.0	+56.7	-81.3	+56.7	-64.3	+56.7	-53.6
53.125	+56.7	-110.0	+56.7	-110.0	+56.7	-77.7	+55.7	-55.7	+53.4	-49.6

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No 05-0112.01
 Expiration Date 10/08/06
 By: 
 Miami Dade Product Control Division

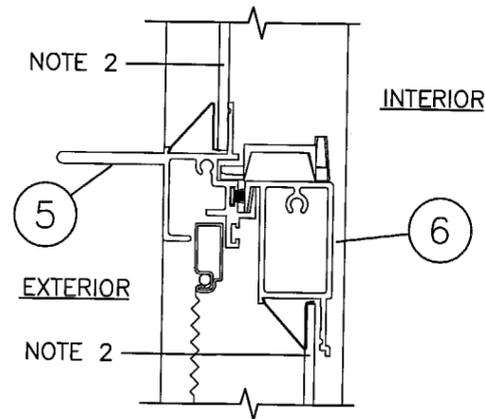
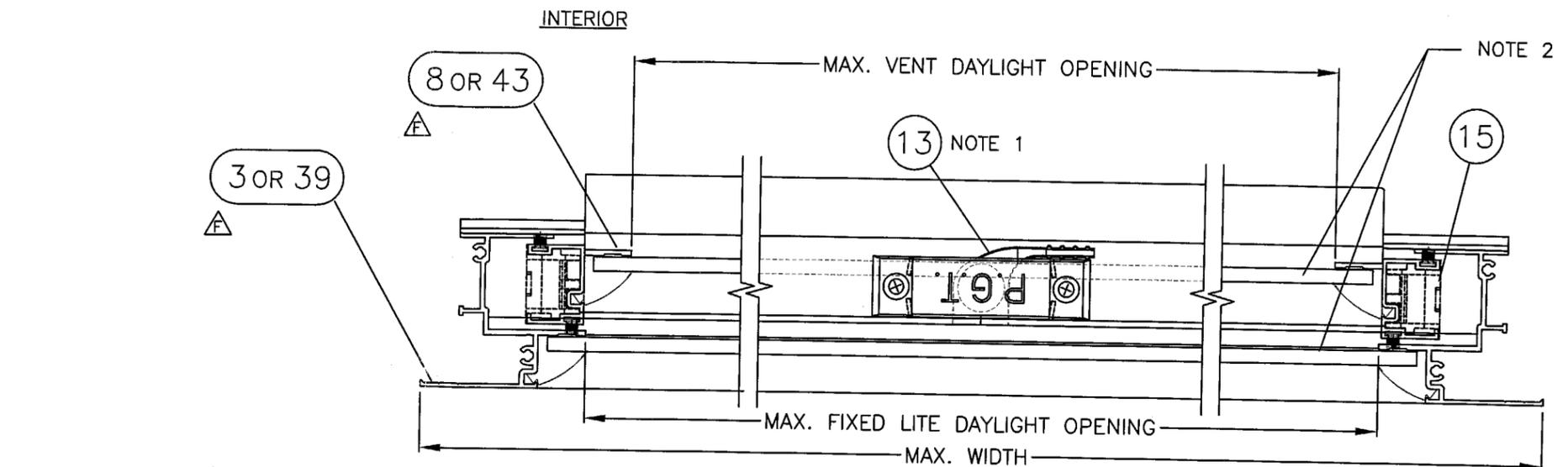
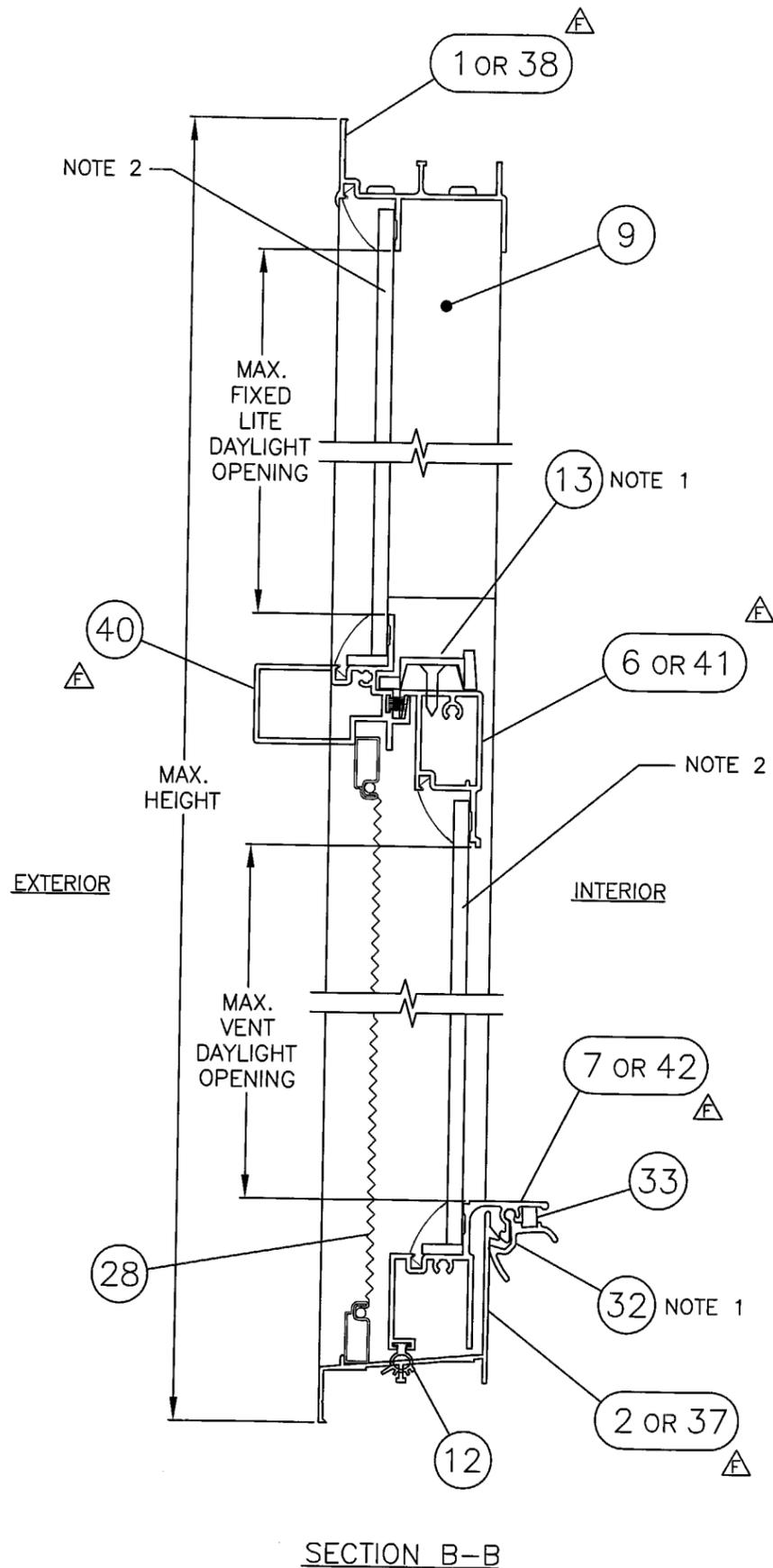

 01/16/05
 Robert L. Clark, P.E.
 PE #39712
 Structural



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

Revsd By: F.K.	Date: 12/16/04	Revisions: F-ADD GLASS TYPES & NOTE 3
Revsd By: F.K.	Date: 5/24/04	Revisions: E-UPDATE TABLES
Revsd By: F.K.	Date: 12/05/03	Revisions: D-NEW SHT, ADD IG
Drawn By: F.K.	Date: 4/18/01	

Description: DESIGN PRESSURES				
Title: ALUM. SINGLE HUNG WINDOW W/ H.D. MTG. RAIL				
Series/Model: SH-4000	Scale: NTS	Sheet: 3 of 8	Drawing No. 2737	Rev: F



VERT. SECT., MTG. RAIL
(ORIGINAL DESIGN)

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 24, 25, 35, 36, 49, 50, 51, OR 52.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-012.01
Expiration Date 10/08/06
By *M. Hall*
National Glass Products Council
Division

Robert L. Clark
01/10/05
Robert L. Clark, P.E.
PE #39712
Structural

PGT
Visibly Better

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

Revsd By: F.K.	Date: 12/16/04	Revisions: F-UPDATE EXTR & NOTES
Revsd By: F.K.	Date: 5/24/04	Revisions: E-ADD 37 & CORRECTIONS
Revsd By: F.K.	Date: 12/05/03	Revisions: D-MOVE NOTES SHT 1
Drawn By: F.K.	Date: 4/18/01	

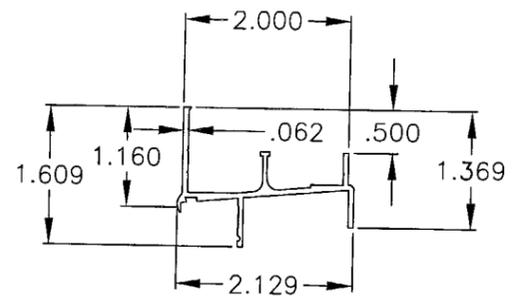
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SECTIONS

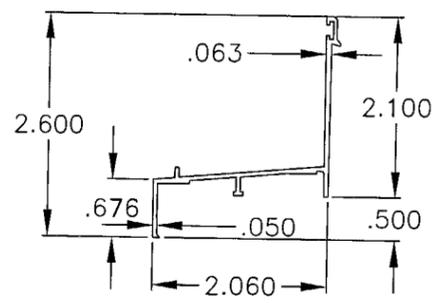
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ALUM. SINGLE HUNG WINDOW W/ H.D. MTG. RAIL

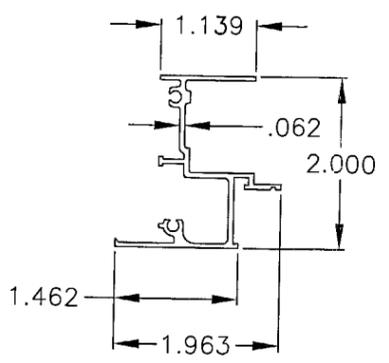
Series/Model: SH-4000	Scale: HALF	Sheet: 4 of 8	Drawing No. 2737	Rev: F
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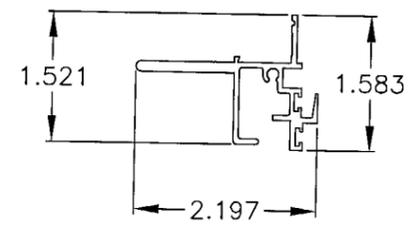
① #2703, HEAD
6063-T6



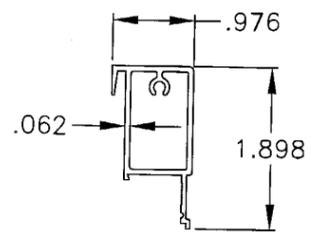
② #2704, SILL
6063-T6



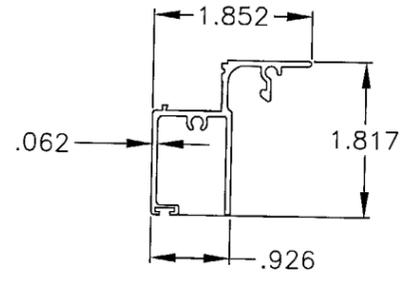
③ #2705, JAMB
6063-T6



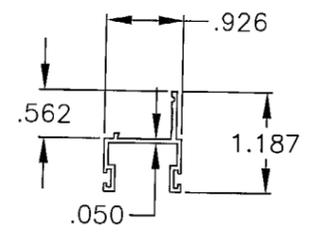
⑤ #2710, HD MTG.
RAIL, 6063-T6



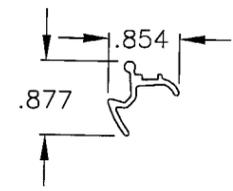
⑥ #2707, VENT TOP
RAIL, 6063-T6



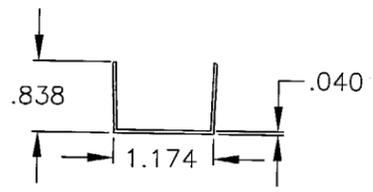
⑦ #2708, VENT BOTTOM
RAIL, 6063-T6



⑧ #2709, VENT SIDE
RAIL, 6063-T6



⑩ #2740, BOTTOM
LOCK, 6063-T6



⑨ #2770, VENT
STOP, 6063-T6

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

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-0112.01
Expiration Date 10/08/06
By: *M. Khalil*
Miami Shale Product Control
Division

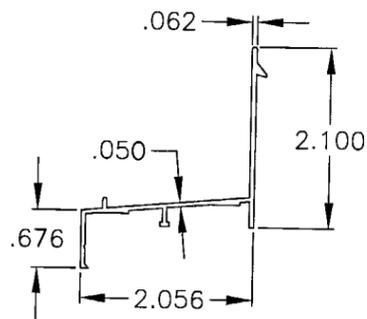
Revsd By: F.K.	Date: 12/16/04	Revisions: F-UPDATE MAT'L & DWG#S
Revsd By: F.K.	Date: 5/24/04	Revisions: E-ADD 37 & CORRECTIONS
Revsd By: F.K.	Date: 12/05/03	Revisions: D-ADD ITEMS 34,35 & 36
Drawn By: F.K.	Date: 4/18/01	

Description: EXTRUSIONS AND PARTS LIST				
Title: ALUM. SINGLE HUNG WINDOW W/ H.D. MTG. RAIL				
Series/Model: SH-4000	Scale: HALF	Sheet: 5 of 8	Drawing No. 2737	Rev: F

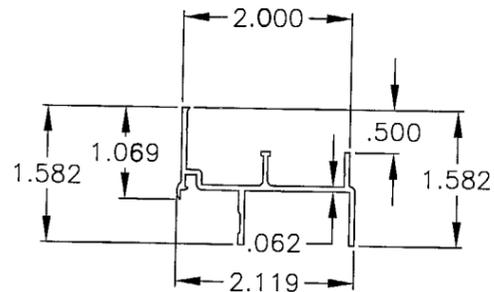
Robert L. Clark
01/10/05
Robert L. Clark, P.E.
PE #39712
Structural



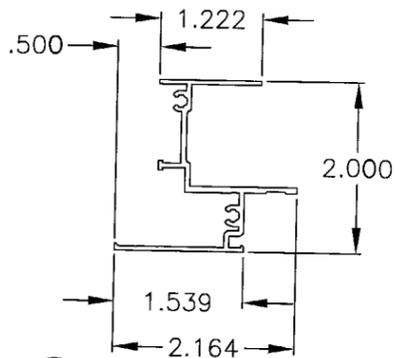
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



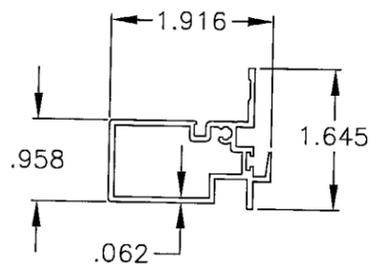
37 #2751, ALT. SILL
6063-T6
(ALTERNATE EXTRUSION)



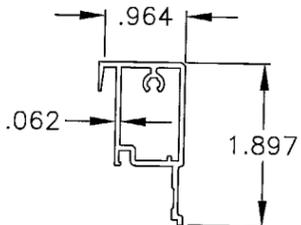
38 #2750, HEAD
6063-T6
(ALTERNATE EXTRUSION)



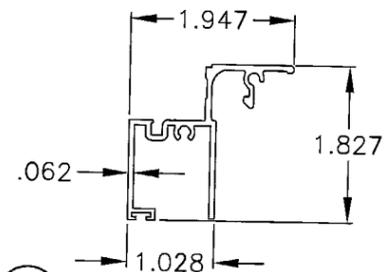
39 #2752, JAMB
6063-T6
(ALTERNATE EXTRUSION)



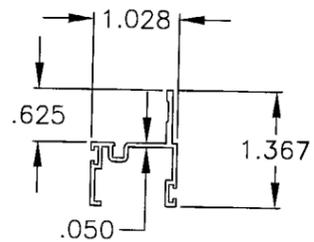
40 #2763, HD MTG.
RAIL, 6063-T6
(ALTERNATE EXTRUSION)



41 #2754, VENT TOP
RAIL, 6063-T6
(ALTERNATE EXTRUSION)



42 #2755, VENT BOTTOM
RAIL, 6063-T6
(ALTERNATE EXTRUSION)



43 #2756, VENT SIDE
RAIL, 6063-T6
(ALTERNATE EXTRUSION)

ITEM	DESCRIPTION	PGT #	VENDOR/MAT'L	DWG.#
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, AIR SPACE, 1/8" TEMPERED)			
36	1/2" I.G. GLASS (1/8" ANNEALED, AIR SPACE, 1/8" ANNEALED)			
37	FLANGED FRAME SILL	62751	6063-T6	2751
38	FLANGED FRAME HEAD	62750	6063-T6	2750
39	FLANGED FRAME JAMB	62752	6063-T6	2752
40	HEAVY DUTY FIXED MEETING RAIL	62763	6063-T6	2763
41	VENT TOP RAIL	62754	6063-T6	2754
42	VENT BOTTOM RAIL	62755	6063-T6	2755
43	VENT SIDE RAIL	62756	6063-T6	2756
44	3/16", 1/4" GLAZING BEAD	62759	FLORIDA SCREEN OR =	05-200
47	1"x 2"x1/16" FOAM GASKET			
48	I.G. GLAZING BEAD	62773	FLORIDA SCREEN OR =	2773
49	1/4" ANNEALED GLASS			
50	1/4" TEMPERED GLASS			
51	1/2" I.G. GLASS (3/16" ANNEALED, AIR SPACE, 1/8" ANNEALED)			
52	1/2" I.G. GLASS (3/16" TEMPERED, AIR SPACE, 1/8" TEMPERED)			

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. DS-0112.01
Expiration Date 10/05/06
By: *M. Hall*
Miami Bush Product Control
Division

Robert L. Clark
01/10/05
Robert L. Clark, P.E.
PE #39712
Structural

PGT
Visibly Better

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

Revsd By: F.K.	Date: 12/16/04	Revisions: F-ADD ALT. EXTR & GLASS
Revsd By:	Date:	Revisions: NEW SHEET
Drawn By: F.K.	Date: 4/18/01	

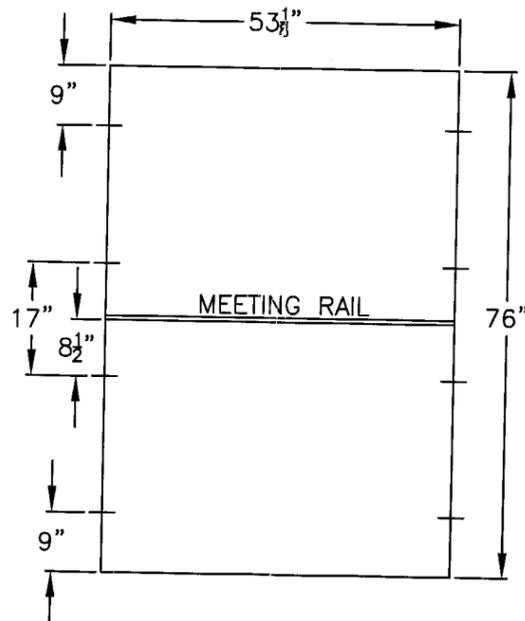
Description: ELEVATION & GLAZING DETAILS				
Title: ALUM. SINGLE HUNG WINDOW W/ H.D. MTG. RAIL				
Series/Model: SH-4000	Scale: HALF	Sheet: 6 of 8	Drawing No. 2737	Rev: F

QUANTITY OF ANCHORS PER JAMB

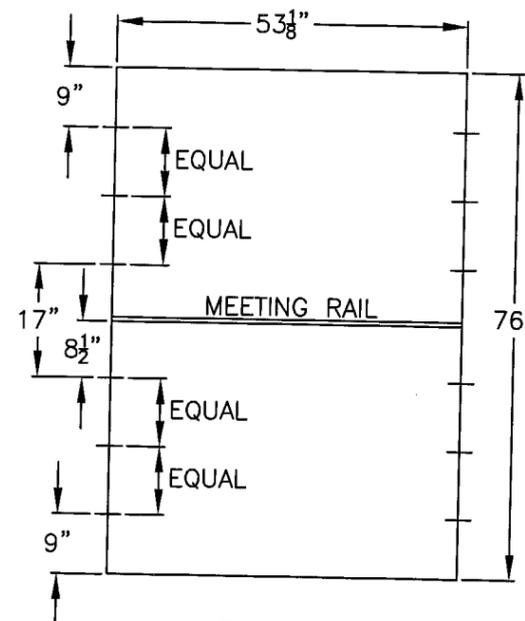
WINDOW SIZE Width x Height	COMPARATIVE ANALYSIS PRESSURE			
	FULL PSF		75 PSF MAX.	
	1/4" Tapcon	#12 Screw	1/4" Tapcon	#12 Screw
26 1/2 x 26	2	2	2	2
26 1/2 x 35	2	2	2	2
26 1/2 x 38 3/8	4	4	4	4
26 1/2 x 50 5/8	4	4	4	4
26 1/2 x 56	4	4	4	4
26 1/2 x 63	4	4	4	4
26 1/2 x 76	4	4	4	4
32 x 26	2	2	2	2
32 x 35	2	4	2	2
32 x 38 3/8	4	4	4	4
32 x 50 5/8	4	4	4	4
32 x 56	4	4	4	4
32 x 63	4	6	4	4
32 x 76	4	4	4	4
37 x 26	2	4	2	2
37 x 35	2	4	2	2
37 x 38 3/8	4	4	4	4
37 x 50 5/8	4	4	4	4
37 x 56	4	6	4	4
37 x 63	4	6	4	4
37 x 76	4	4	4	4
40 x 26	2	4	2	2
40 x 35	4	4	2	2
40 x 38 3/8	4	4	4	4
40 x 50 5/8	4	6	4	4
40 x 56	4	6	4	4
40 x 63	4	6	4	4
40 x 76	4	6	4	6
48 x 26	2	4	2	2
48 x 35	4	4	2	4
48 x 38 3/8	4	4	4	4
48 x 50 5/8	4	6	4	4
48 x 56	4	6	4	4
48 x 63	4	6	4	6
48 x 76	4	6	4	6
53 1/8 x 26	4	4	2	2
53 1/8 x 35	4	4	2	4
53 1/8 x 38 3/8	4	6	4	4
53 1/8 x 50 5/8	4	6	4	4
53 1/8 x 56	4	6	4	6
53 1/8 x 63	4	6	4	6
53 1/8 x 76	4	6	4	6

MIAMI-DADE COUNTY ANCHORAGE SPACING:

- ANCHORS ARE NOT REQUIRED IN THE HEAD OR SILL (REF. TEST REPORTS FTL-4253 AND FTL-4378). Δ
- SPACING FOR (4) OR LESS ANCHORS PER JAMB: (DETAIL A)
MAX. 9" FROM CORNERS
MAX. 17" AT MEETING RAIL (DIMENSIONED FROM 8 1/2" BELOW MEETING RAIL)
- SPACING FOR MORE THAN (4) ANCHORS PER JAMB: (DETAIL B)
MAX. 9" FROM CORNERS
MAX. 17" AT MEETING RAIL (DIMENSIONED FROM 8 1/2" BELOW MEETING RAIL)
ONE ADDITIONAL ANCHOR REQUIRED ABOVE AND BELOW THE MEETING RAIL AT CENTERLINE BETWEEN THE CORNER AND MEETING RAIL ANCHORS.
- WHEN INSTALLING OUTSIDE MIAMI-DADE COUNTY WITH 1/4" TAPCONS OR #12 SCREWS, SPACE ANCHORS PER NOTE 2 FOR FULL COMPARATIVE ANALYSIS PRESSURE.



DETAIL A



DETAIL B

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 05-0117-01
Expiration Date 10/08/06
By [Signature]
National Health Product Control
Division

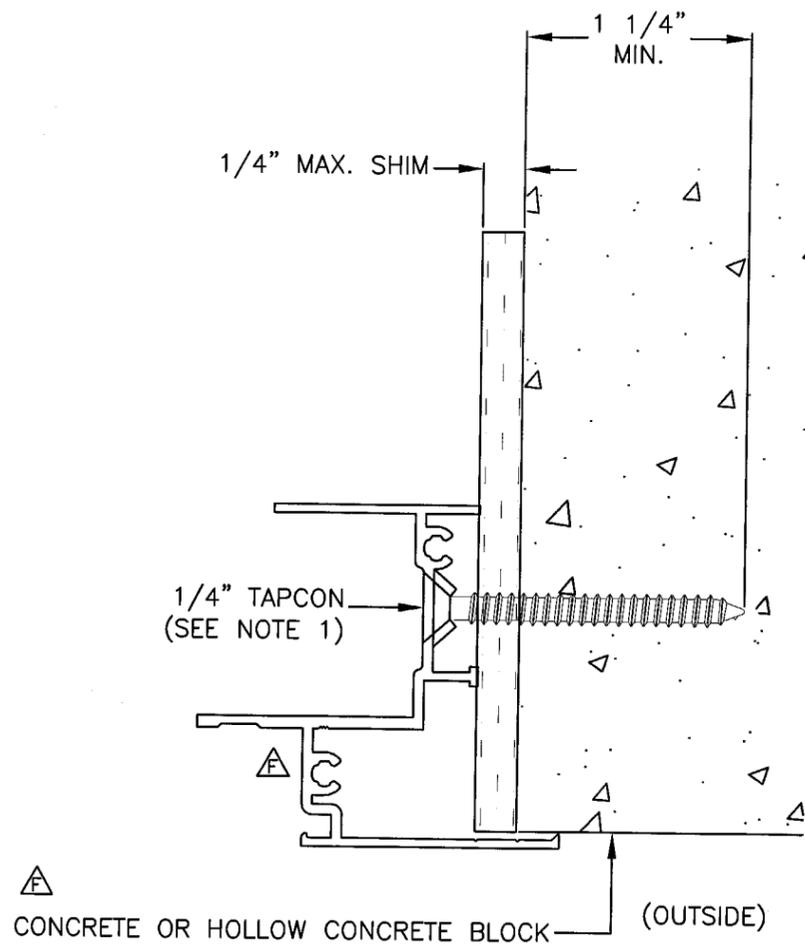
[Signature]
01/10/05
Robert L. Clark, P.E.
PE #39712
Structural



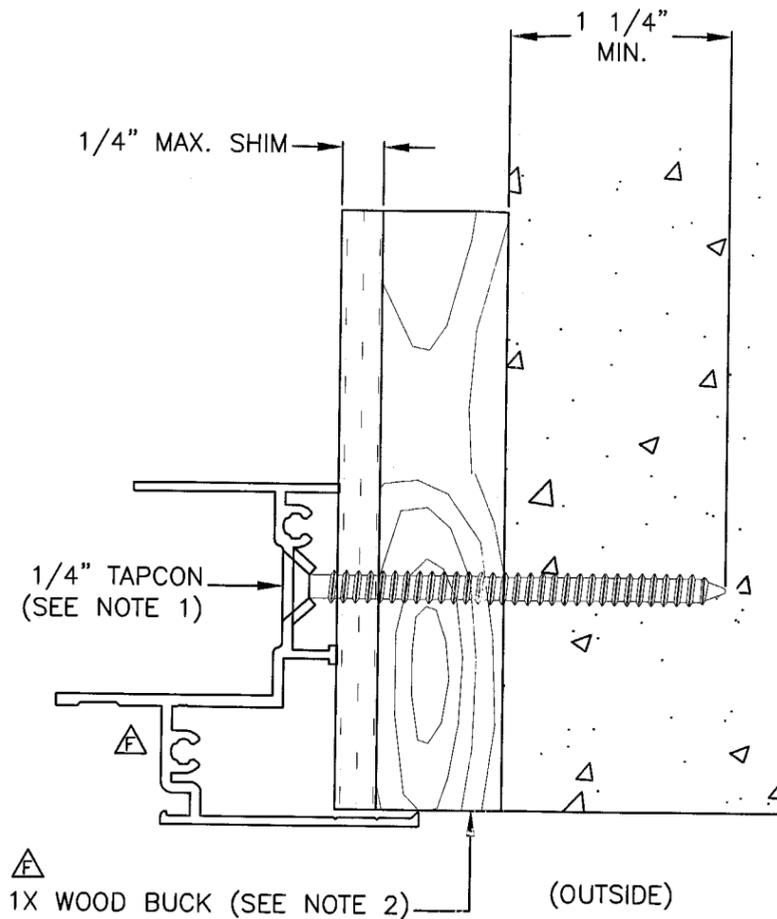
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

Revsd By: F.K.	Date: 12/16/04	Revisions: F-UPDATE NOTE 1
Revsd By: F.K.	Date: 5/24/04	Revisions: E-NEW SHEET
Drawn By: F.K.	Date: 4/18/01	

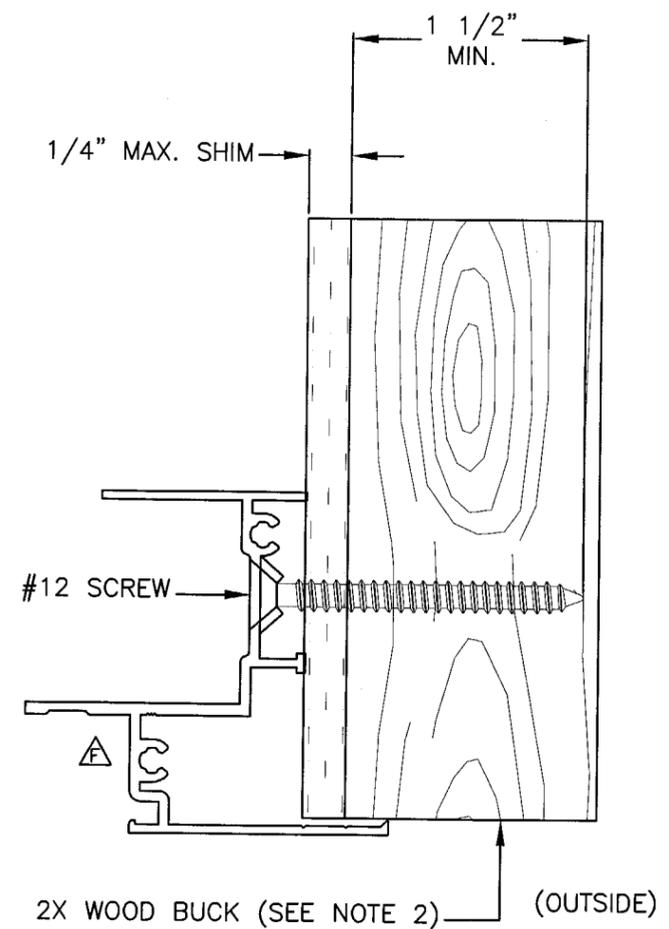
Description: ANCHORAGE SPACING			
Title: ALUM. SINGLE HUNG WINDOW W/ H.D. MTG. RAIL			
Series/Model: SH-4000	Scale: NTS	Sheet: 7 of 8	Drawing No. 2737
			Rev: F



DETAIL 1



DETAIL 2



DETAIL 3

TYPICAL JAMB ANCHORAGE

NOTES: A

1. FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED TAPCONS.
2. INSTALLATION OF WOOD BUCKS TO THE SUBSTRATE TO BE ENGINEERED BY OTHERS OR AS APPROVED BY AUTHORITY HAVING JURISDICTION.
3. 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 ANCHORAGE SPACING FOR #12 SCREWS SHOWN ON SHEET 7 MAY BE USED.

Robert L. Clark
01/10/06

Robert L. Clark, P.E.
PE #39712
Structural

PGT
Visibly Better

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

Revsd By: F.K.	Date: 12/16/04	Revisions: F-UPDATE EXTR & NOTES
Revsd By: F.K.	Date: 5/24/04	Revisions: E-UPDATE ANCHORAGE
Revsd By: F.K.	Date: 12/05/03	Revisions: D-UPDATED W/ NOTES
Drawn By: F.K.	Date: 4/18/01	

Description:
ANCHORAGE DETAILS

Title:
ALUM. SINGLE HUNG WINDOW W/ H.D. MTG. RAIL

Series/Model: SH-4000	Scale: 2X	Sheet: 8 of 8	Drawing No. 2737	Rev: F
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PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **05-0112.01**
Expiration Date **10/08/06**
By *M. Khali*
National Building Products Council
Director