



**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)**

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

**DESCRIPTION: Series "SH-701" Aluminum Single Hung Window Impact and Non-Impact**

**APPROVAL DOCUMENT:** Drawing No. 4032, titled "Aluminum Single Hung Window", sheets 1 through 8, prepared, signed and sealed by Robert L. Clark, P.E., dated 4/17/02, 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: Large and Small Missile Impact and Non-Impact**

**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 # 01-0109.01**and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Raul Rodriguez**.



**NOA No 02-0419.13  
Expiration Date: February 25, 2006  
Approval Date: May 23, 2002  
Page 1**

ITEM	DESCRIPTION	V.T. #	VENDOR	VENDOR #
1	FLANGED FRAME HEAD	612225	ALUMAX EXTRUSIONS	AF-12225
2	FLANGED FRAME SILL	612226	ALUMAX EXTRUSIONS	AF-12226
3	FLANGED FRAME JAMB	612227	ALUMAX EXTRUSIONS	AF-12227
4	FIXED MEETING RAIL	612228	ALUMAX EXTRUSIONS	AF-12228
5	SASH TOP RAIL	612229	ALUMAX EXTRUSIONS	AF-12229
6	SASH BOTTOM RAIL	612230	ALUMAX EXTRUSIONS	AF-12230
7	SASH SIDE RAIL	612231	ALUMAX EXTRUSIONS	AF-12231
8	GLAZING BEAD	612234	ALUMAX EXTRUSIONS	AF-12234
9	WEATHERSTRIP - VINYL BULB	6TP247K	TEAM PLASTICS	TP-247
10	3/16" ANNEALED GLASS		PPG. LOF	
11	3/16" ANN. GLASS W/DUPONT 457 FILM		LAM. BY ROMAG. VERICOM	
12	1/4" TEMPERED GLASS		PPG. LOF	
13	#6 x .750 PHIL. PN. HD.	7658PFAA	AQUA FASTENERS	
14	SWEEP LATCH		MINIATURE DIE CASTING	PGT.214.XX
15	#8 x .625 PHIL. FLT. HD.	7858WW	MERCHANTS FASTENER CORP.	
16	WINDLOAD ADAPTER	612236	ALUMAX EXTRUSIONS	AF-12236
17	#8 x .375 PHIL. P.H. TEK	78X38PPT	MERCHANTS FASTENER CORP.	
18	WEATHERSTRIP - VINYL BULB\SASH	6TP249K	TEAM PLASTICS	TP-249
19	SASH TOP GUIDE		MASTER TOOL	7-M10-344
20	SCREEN		VINYL TECH.\PGT	
21	BALANCE COVER		WYBORG	5TAVE
22	BALANCE		CALDWELL MANUFACTURING INC.	
23	WEATHERSTRIP - PILE\FINSEAL	61062W	SCHLEGEL CORP.	FS7826-187
24	SASH FACE GUIDE	70251	MASTER TOOL	7-M10-251
25	#6 x .500 PHIL. FLT. HD.	76X12FPAW	SCHERER INDUST. PRODUCTS	
26	SASH STOP	612244	ALUMAX EXTRUSIONS	AF-12244
27	#8 x 1.000 PHIL. P.H. SMS	78X1PPA	MERCHANTS FASTENER CORP.	
28	SILICON	62899	DOW CORNING	899
29	WEATHERSTRIP - VINYL BULB\SASH	6TP248K	TEAM PLASTICS	TP-248

NON-IMPACT WINDOWS

- 1.) GLAZING OPTIONS:
  - A. 3/16" ANNEALED
  - A. 3/16" HEAT STRENGTHENED OR TEMPERED
- 2.) CONFIGURATIONS: OX
- 3.) DESIGN PRESSURE RATING:  
SEE COMPARATIVE ANALYSIS TABLES ON SHEET 5
- 4.) ANCHORS:  
SEE COMPARATIVE ANALYSIS TABLES ON SHEET 5
- 5.) SHUTTER REQUIREMENT:  
SHUTTERS ARE REQUIRED AT ALL INSTALLATIONS
- 6.) REFERENCE TEST REPORT: FTL 1536

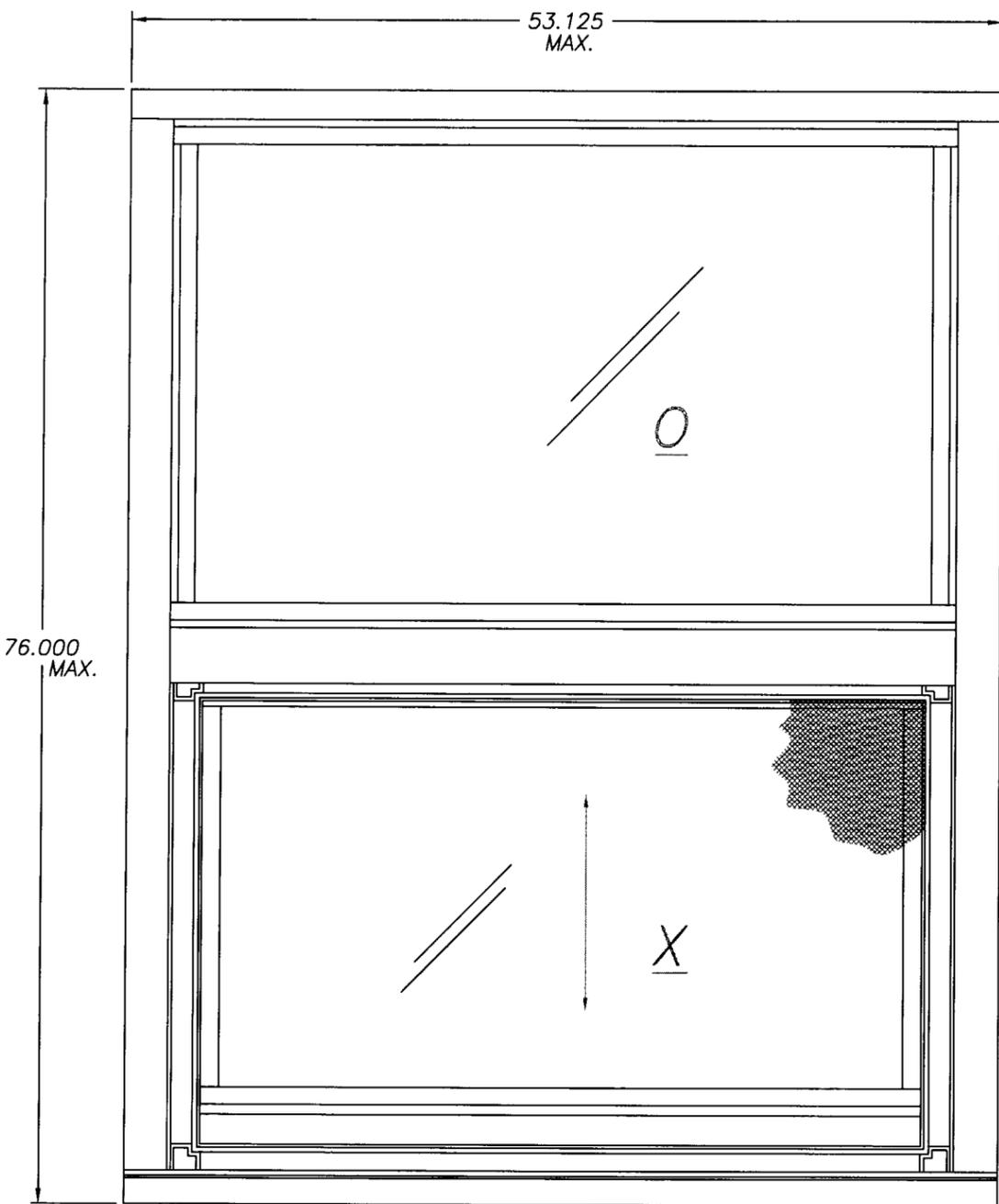
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 62-0419-13  
Expiration Date February 25, 2006  
by *[Signature]*  
Miami Dade Product Control  
Division

ELEVATION

NON-IMPACT WINDOWS

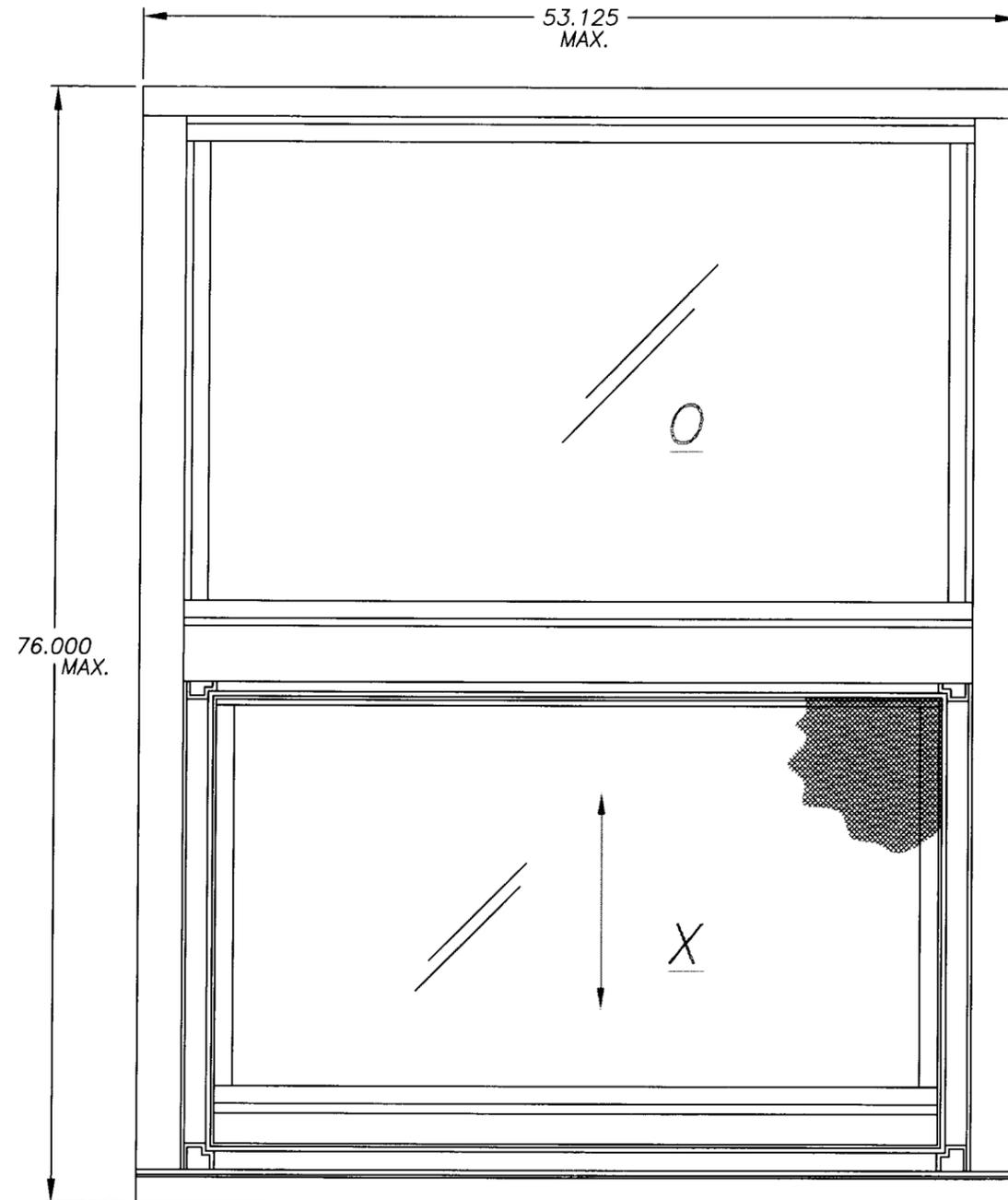
- 1.) GLAZING: 1/4" TEMPERED
- 2.) CONFIGURATIONS: OX
- 3.) DESIGN PRESSURE RATING:  
SEE COMPARATIVE ANALYSIS TABLES ON SHEET 8
- 4.) ANCHORS:  
SEE COMPARATIVE ANALYSIS TABLES ON SHEET 8
- 5.) SHUTTER REQUIREMENT:  
SHUTTERS ARE REQUIRED AT ALL INSTALLATIONS
- 6.) REFERENCE TEST REPORT: FTL 1533

		Revsd By: FK Date: 4/16/02 Revisions: ADD SENTRY GLASS C.A.
	1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274	Revsd By: FK Date: 1/4/01 Revisions:
	Drawn By: R.S. Date: 11/27/96	Series/Model: SH-701 Scale: NTS Sheet: 1 of 8 Drawing No. 4032 Rev: D



## LARGE MISSILE IMPACT WINDOWS

- 1.) GLAZING OPTIONS:
  - A. 3/16" ANNEALED W/ DUPONT 457 SENTRY GLASS
  - B. 3/16" HEAT STRENGTHENED W/ DUPONT 457 SENTRY GLASS
- 2.) CONFIGURATIONS: OX
- 3.) DESIGN PRESSURE RATING: SEE TABLE
- 4.) ANCHORS:
  - MAX. 6" FROM EACH CORNER
  - MAX. SPACING AT HEAD & SILL: 11.000
  - MAX. SPACING AT JAMBS: 16.000 (8" IN MEETING RAIL AREA)
- 5.) SHUTTER REQUIREMENT: NO SHUTTERS REQUIRED
- 6.) REFERENCE TEST REPORT: FTL 1531

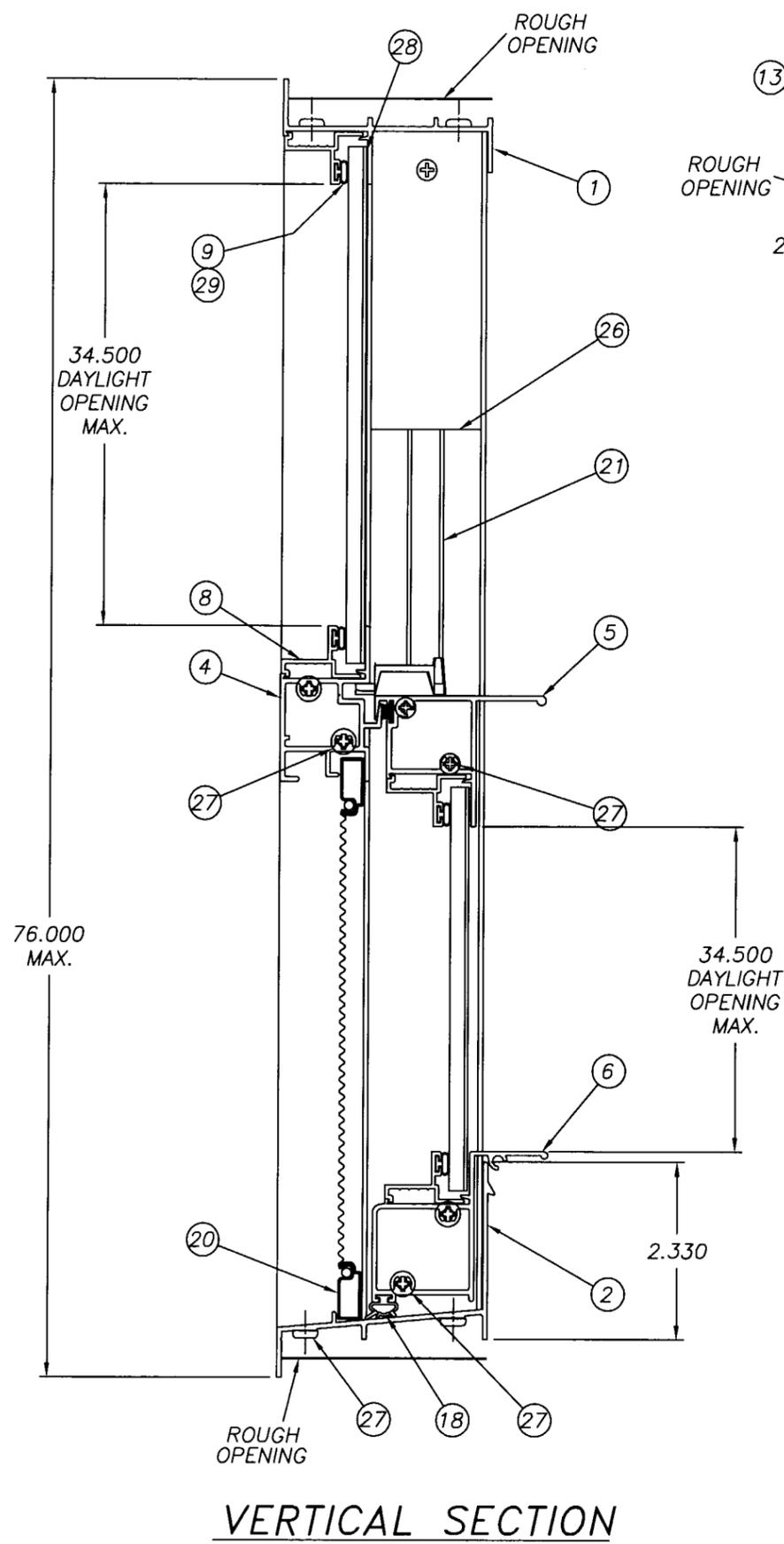


ELEVATION

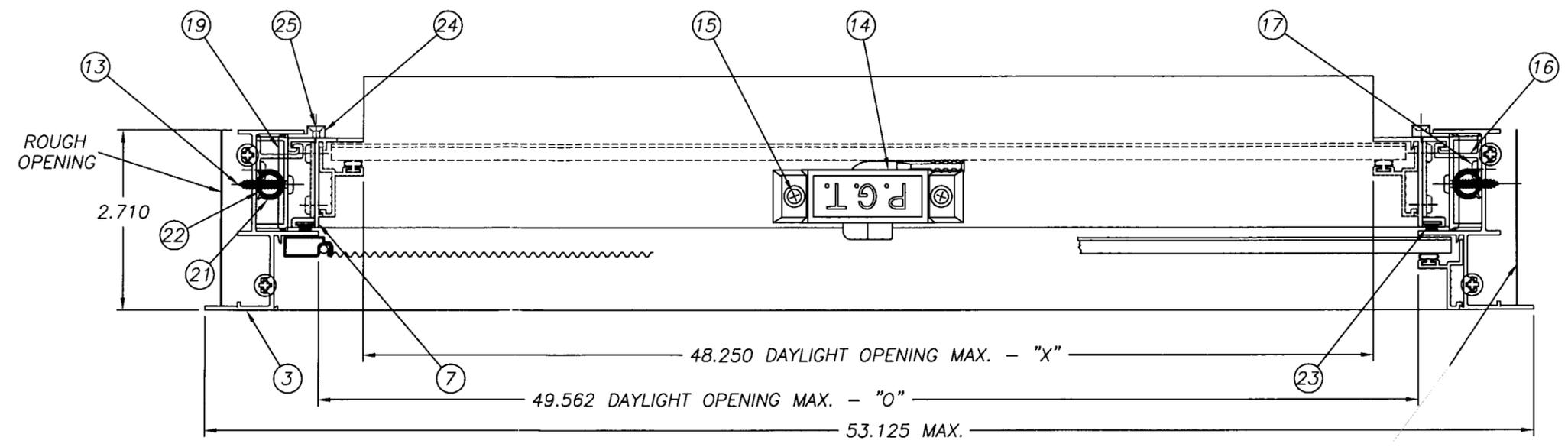
DESIGN PRESSURE RATING FOR GLASS TYPE B - 3/16" H.S. W/ SENTRY GLASS								
							NEG	POS
ALL SIZES TO 53.125 WIDE x 76.000 HIGH							-60.0	60.0
COMPARATIVE ANALYSIS FOR: GLASS TYPE A - 3/16" A W/ SENTRY GLASS								
	WINDOW HEIGHT							
WINDOW WIDTH	38.375		50.625		63.000		76.000	
	NEG	POS	NEG	POS	NEG	POS	NEG	POS
37.000	-60.0	60.0	-60.0	60.0	-60.0	60.0	-60.0	60.0
40.000	-60.0	60.0	-60.0	60.0	-60.0	60.0	-56.7	56.7
44.000	-60.0	60.0	-60.0	60.0	-58.2	58.2	-51.7	51.7
48.000	-60.0	60.0	-60.0	60.0	-53.0	53.0	-47.3	47.3
53.125	-60.0	60.0	-58.2	58.2	-47.2	47.2	-42.6	42.6

**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No. 02-2419-13  
 Expiration Date February 25, 2006  
 By: *[Signature]*  
 Miami Dade Product Control Division

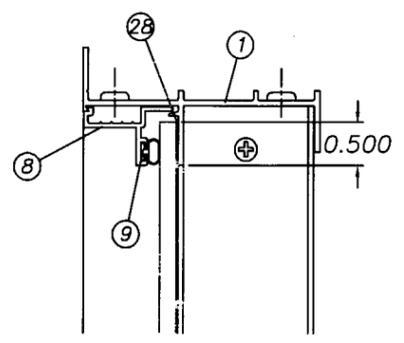
 Robert L. Clark, P.E. PE #39712 Structural	1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274	Revsd By: FK	Date: 4/16/02	Revisions: ADD SENTRY GLASS C.A.				
		Revsd By: FK	Date: 1/4/01	Revisions:				
Drawn By: R.S.	Date: 1/27/96	Description: ELEVATION, IMPACT						
Title: ALUMINUM SINGLE HUNG WINDOW				Series/Model: SH-701	Scale: NTS	Sheet: 2 of 8	Drawing No. 4032	Rev: D



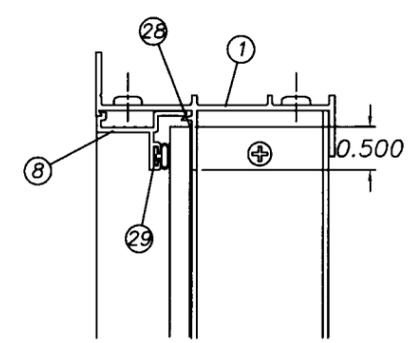
**VERTICAL SECTION**



**HORIZONTAL SECTION**



3/16" ANNEALED GLASS  
3/16" HEAT STRENGTHED OR TEMPERED



3/16" ANNEALED W/DUPONT FILM - (457) INTERIOR SIDE  
3/16" HEAT STRENGTHENED W/DUPONT FILM - (457) INTERIOR SIDE  
1/4" TEMPERED GLASS

**GLAZING OPTIONS**

**NOTES:**

- 1) CORNER CONSTRUCTION:  
FRAME CORNERS ARE SEALED W/ WHITE SEALANT SCHNEE/MOREHEAD #5504  
FRAME HAS BUTT JOINTS. FRAME CORNERS AND FIXED MEETING RAIL ARE SECURED WITH (2) #8x1" PPH SMS
- 2) WEEP HOLES:  
(2) 1/2" WEEP NOTCHES AT ENDS OF SILL SCREEN RETAINERS

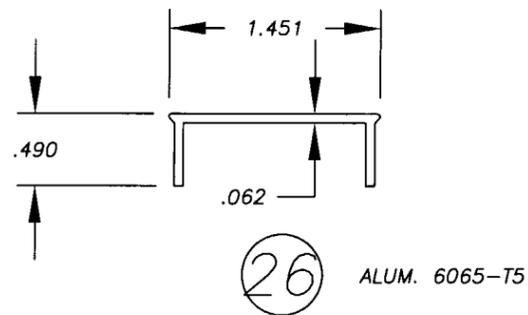
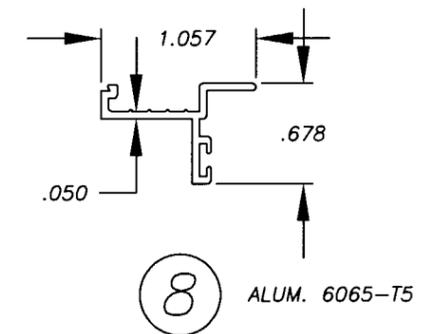
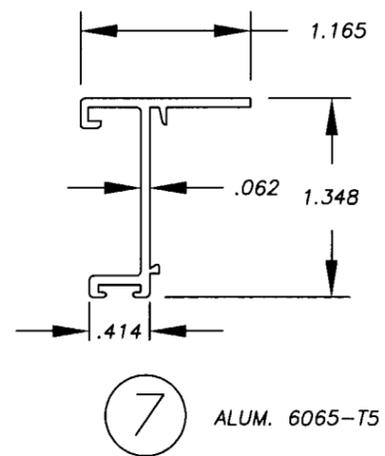
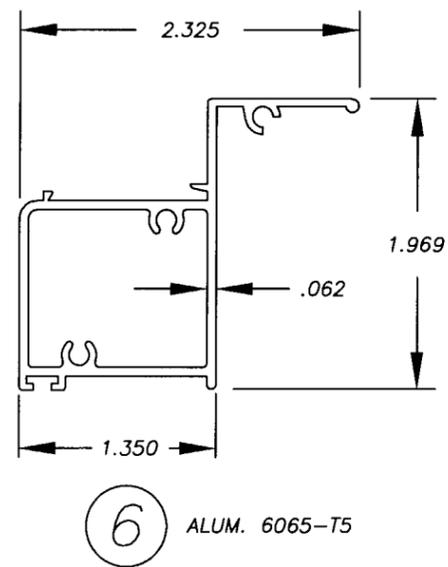
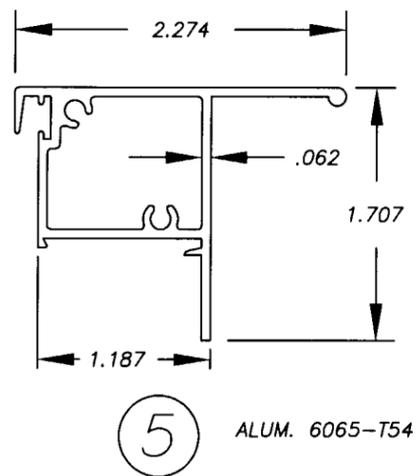
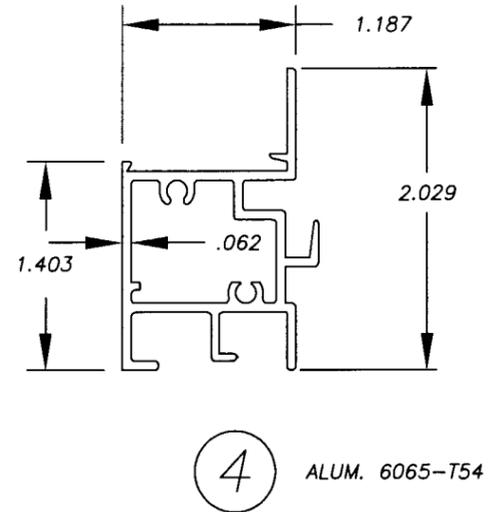
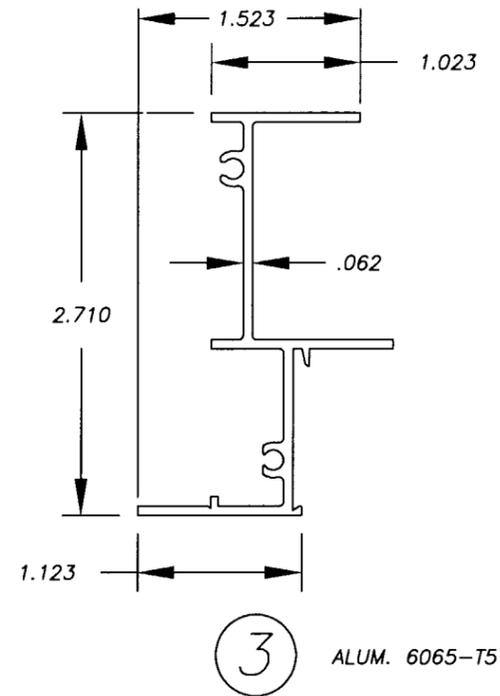
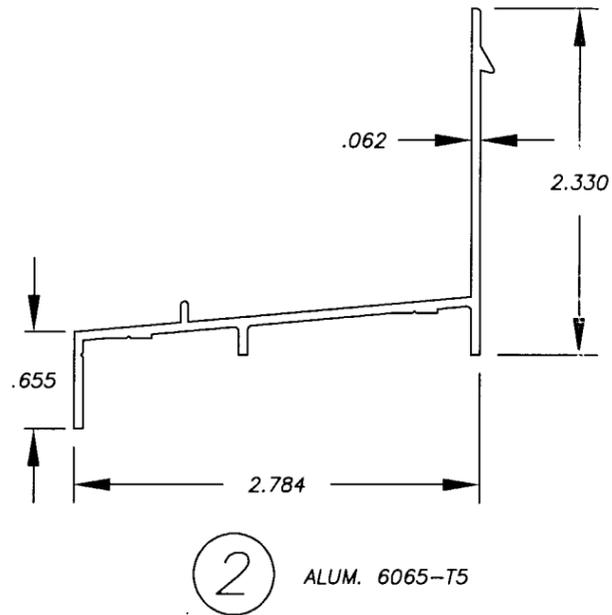
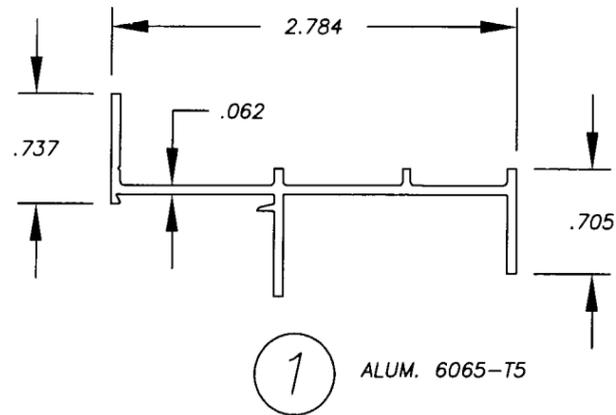
*Handwritten signature and date: 4/17/02*

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

Revsd By: FK	Date: 4/16/02	Revisions: ADD GLASS OPTIONS
Revsd By: FK	Date: 1/4/01	Revisions:
Drawn By: R.S.	Date: 11/27/96	

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No 02-0419.13  
Expiration Date February 23, 2006  
By *[Signature]*  
Miami Dade Product Control Division

Description: <b>SECTIONS &amp; GLAZING OPTIONS</b>				
Title: <b>ALUMINUM SINGLE HUNG WINDOW</b>				
Series/Model: SH-701	Scale: NTS	Sheet: 3 of 8	Drawing No. 4032	Rev: D



PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 2-0919.13  
 Expiration Date February 23, 2006  
 By: *[Signature]*  
 Miami Dade Product Control  
 Division

*[Handwritten Signature]*  
 H/17/02



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

Revsd By: FK	Date: 4/16/02	Revisions: ADD SENTRY GLASS C.A.
Revsd By: FK	Date: 1/4/01	Revisions:
Drawn By: R.S.	Date: 11/27/96	

Description: EXTRUSION PROFILES			
Title: ALUMINUM SINGLE HUNG WINDOW			
Series/Model: SH-701	Scale: NTS	Sheet: 4 of 8	Drawing No. 4032
			Rev: D

COMPARATIVE ANALYSIS FOR: GLASS: 3/16 ANNEALED FTL-1536 MAX. SIZE 53.125 x 76.000  
 NOTES: 1.) Numbers in ( ) parentheses are quantity of anchors per side.  
 2.) Negative Design Loads based on Comparative Analysis and Glass Table ASTM E1300. Smallest Fasteners  
 3.) Positive Design Loads based on Comparative Analysis and Water Test Pressure.  
 4.) Numbers are for #10 screws or 3/16" Tapcons.  
 5.) (2) Anchors 4" apart, 4" from each side of meeting rail are required. (Total of 4 anchors at each meeting rail)  
 Anchors 6" from each corner and as follows:  
 Max. spacing at head & sill = 14"  
 Max. spacing at jambs = 14"

Window Width	Window Height									
	26.000 (12)		38.375 (12)		50.625 (12)		63.000 (16)		76.000 (16)	
	neg	pos	neg	pos	neg	pos	neg	pos	neg	pos
19.125 (4)	-120.0	69.3	-120.0	69.3	-120.0	69.3	-103.3	69.3	-79.7	69.3
24.000 (4)	-120.0	69.3	-120.0	69.3	-120.0	69.3	-92.6	69.3	-69.4	69.3
26.500 (6)	-120.0	69.3	-120.0	69.3	-120.0	69.3	-89.6	69.3	-66.0	66.0
32.000 (6)	-120.0	69.3	-120.0	69.3	-98.7	69.3	-80.3	69.3	-61.5	61.5
37.000 (6)	-120.0	69.3	-120.0	69.3	-84.6	69.3	-69.4	69.3	-60.0	60.0
40.000 (8)	-120.0	69.3	-115.4	69.3	-79.2	69.3	-64.7	64.7	-56.7	56.7
44.000 (8)	-120.0	69.3	-107.6	69.3	-71.3	69.3	-58.2	58.2	-51.7	51.7
48.000 (8)	-120.0	69.3	-101.8	69.3	-63.7	63.7	-53.0	53.0	-47.3	47.3
53.125 (8)	-120.0	69.3	-93.2	69.3	-58.2	58.2	-47.2	47.2	-42.6	42.6

COMPARATIVE ANALYSIS FOR: GLASS: 3/16 ANNEALED FTL-1536 MAX. SIZE 53.125 x 76.000  
 NOTES: 1.) Numbers in ( ) parentheses are quantity of anchors per side.  
 2.) Negative Design Loads based on Comparative Analysis and Glass Table ASTM E1300. Larger Fasteners  
 3.) Positive Design Loads based on Comparative Analysis and Water Test Pressure.  
 4.) Numbers are for #12 screws or 1/4" Tapcons.  
 5.) (1) Anchors 4" on each side of meeting rail is required. (Total of 2 anchors at each meeting rail)  
 Anchors 6" from each corner and as follows:  
 Max. spacing at head & sill = 14"  
 Max. spacing at jambs = 14"

Window Width	Window Height									
	26.000 (8)		38.375 (8)		50.625 (8)		63.000 (8)		76.000 (12)	
	neg	pos	neg	pos	neg	pos	neg	pos	neg	pos
19.125 (4)	-120.0	69.3	-120.0	69.3	-120.0	69.3	-103.3	69.3	-79.7	69.3
24.000 (4)	-120.0	69.3	-120.0	69.3	-120.0	69.3	-92.6	69.3	-69.4	69.3
26.500 (6)	-120.0	69.3	-120.0	69.3	-120.0	69.3	-89.6	69.3	-66.0	66.0
32.000 (6)	-120.0	69.3	-120.0	69.3	-98.7	69.3	-80.3	69.3	-61.5	61.5
37.000 (6)	-120.0	69.3	-120.0	69.3	-84.6	69.3	-69.4	69.3	-60.0	60.0
40.000 (8)	-120.0	69.3	-115.4	69.3	-79.2	69.3	-64.7	64.7	-56.7	56.7
44.000 (8)	-120.0	69.3	-107.6	69.3	-71.3	69.3	-58.2	58.2	-51.7	51.7
48.000 (8)	-120.0	69.3	-101.8	69.3	-63.7	63.7	-53.0	53.0	-47.3	47.3
53.125 (8)	-120.0	69.3	-93.2	69.3	-58.2	58.2	-47.2	47.2	-42.6	42.6

COMPARATIVE ANALYSIS FOR: GLASS: 3/16 HEAT STRENGTHENED OR TEMPERED FTL-1536 MAX. SIZE 53.125 x 76.000  
 NOTES: 1.) Numbers in ( ) parentheses are quantity of anchors per side.  
 2.) Negative Design Loads based on Comparative Analysis and Glass Table ASTM E1300. Smallest Fasteners  
 3.) Positive Design Loads based on Comparative Analysis and Water Test Pressure.  
 4.) Numbers are for #10 screws or 3/16" Tapcons.  
 5.) (2) Anchors 4" apart, 4" from each side of meeting rail are required. (Total of 4 anchors at each meeting rail)  
 Anchors 6" from each corner and as follows:  
 Max. spacing at head & sill = 14"  
 Max. spacing at jambs = 14"

Window Width	Window Height									
	26.000 (12)		38.375 (12)		50.625 (12)		63.000 (16)		76.000 (16)	
	neg	pos	neg	pos	neg	pos	neg	pos	neg	pos
37.000 (6)	-135.0	69.3	-135.0	69.3	-126.3	69.3	-87.3	69.3	-60.0	60.0
40.000 (8)	-135.0	69.3	-133.4	69.3	-112.4	69.3	-87.3	69.3	-60.0	60.0
44.000 (8)	-135.0	69.3	-117.9	69.3	-98.1	69.3	-87.3	69.3	-60.0	60.0
48.000 (8)	-135.0	69.3	-105.6	69.3	-87.0	69.3	-76.6	69.3	-60.0	60.0
53.125 (8)	-128.4	69.3	-93.2	69.3	-76.0	69.3	-66.1	66.1	-60.0	60.0

COMPARATIVE ANALYSIS FOR: GLASS: 3/16 HEAT STRENGTHENED OR TEMPERED FTL-1536 MAX. SIZE 53.125 x 76.000  
 NOTES: 1.) Numbers in ( ) parentheses are quantity of anchors per side.  
 2.) Negative Design Loads based on Comparative Analysis and Glass Table ASTM E1300. Larger Fasteners  
 3.) Positive Design Loads based on Comparative Analysis and Water Test Pressure.  
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 Anchors 6" from each corner and as follows:  
 Max. spacing at head & sill = 14"  
 Max. spacing at jambs = 14"

Window Width	Window Height									
	26.000 (8)		38.375 (8)		50.625 (8)		63.000 (8)		76.000 (12)	
	neg	pos	neg	pos	neg	pos	neg	pos	neg	pos
37.000 (6)	-135.0	69.3	-135.0	69.3	-126.3	69.3	-87.3	69.3	-60.0	60.0
40.000 (8)	-135.0	69.3	-133.4	69.3	-112.4	69.3	-87.3	69.3	-60.0	60.0
44.000 (8)	-135.0	69.3	-117.9	69.3	-98.1	69.3	-87.3	69.3	-60.0	60.0
48.000 (8)	-135.0	69.3	-105.6	69.3	-87.0	69.3	-76.6	69.3	-60.0	60.0
53.125 (8)	-128.4	69.3	-93.2	69.3	-76.0	69.3	-66.1	66.1	-60.0	60.0

REFERENCE TEST REPORT: FTL-1536

*R.S. Clark*  
4/17/02

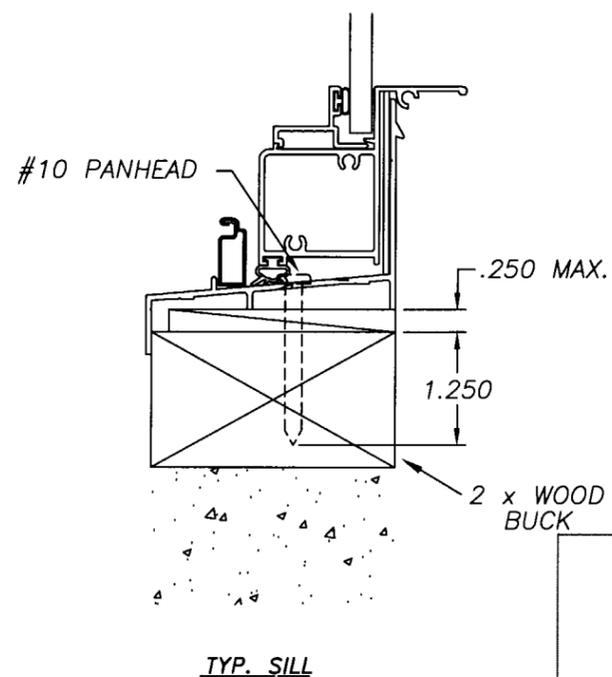
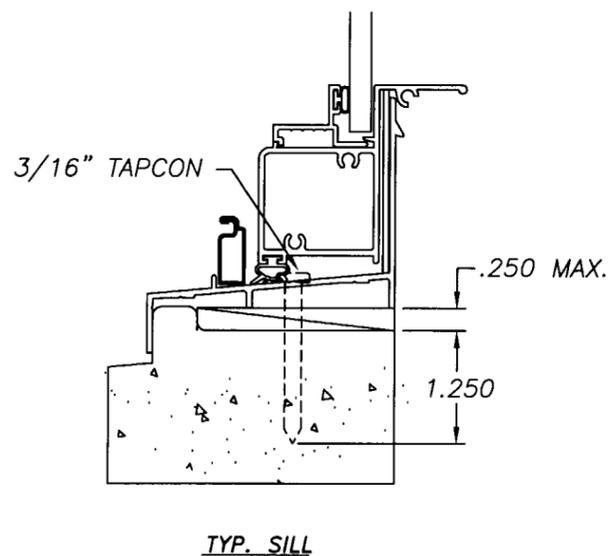
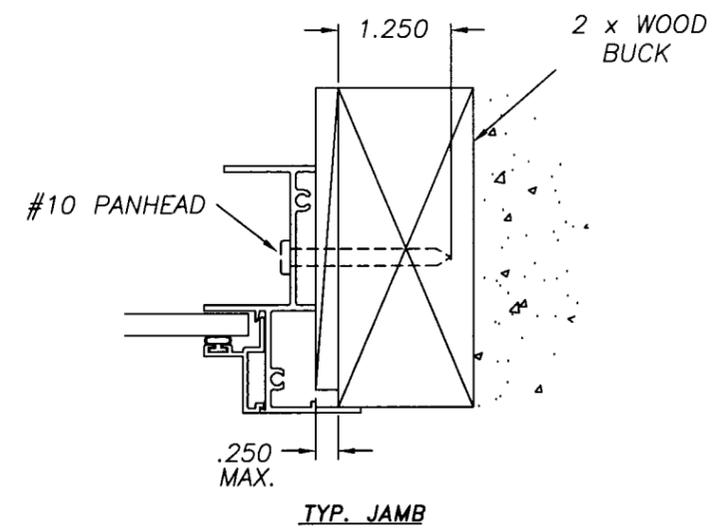
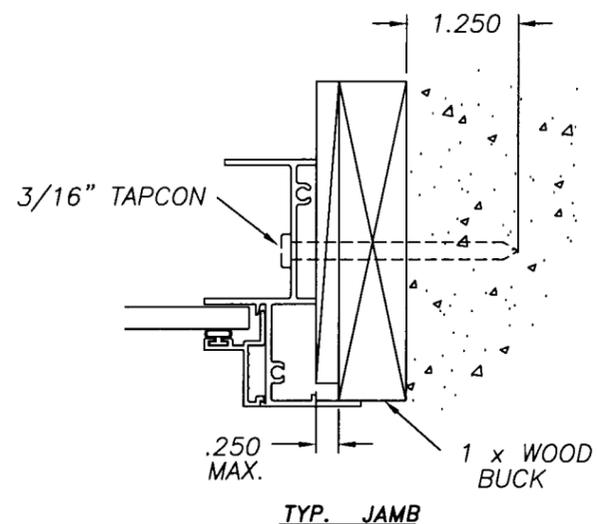
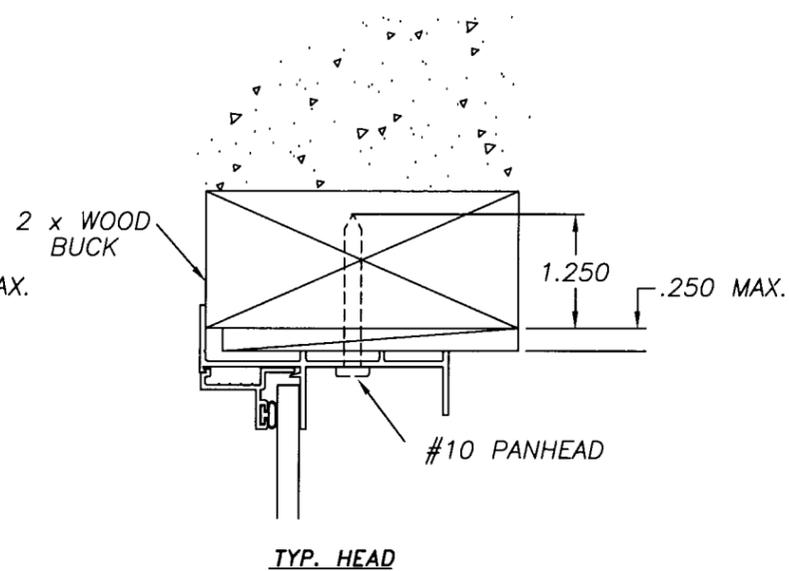
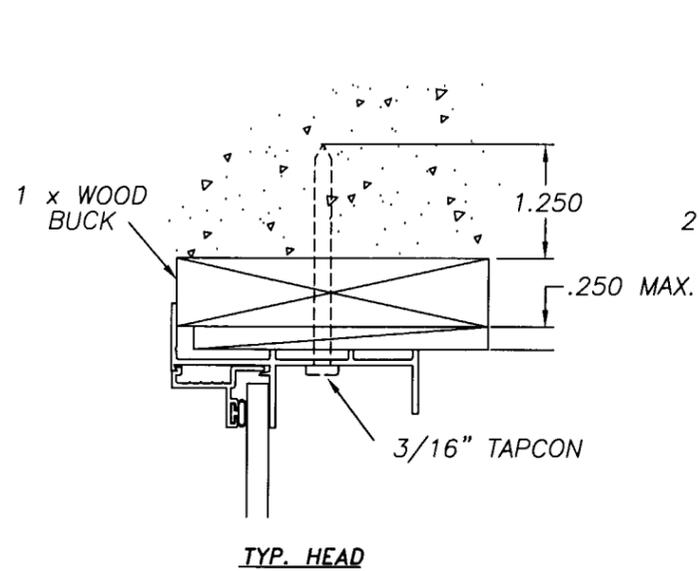


1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275  
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NOKOMIS, FL 34274

Revsd By: FK	Date: 4/16/02	Revisions: ADD H.S. & TEMP. OPT.
Revsd By: FK	Date: 1/4/01	Revisions:
Drawn By: R.S.	Date: 11/27/96	

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 02-0419.13  
Expiration Date February 25, 2006  
By: *[Signature]*  
Miami Dade Product Control  
Division

Description: COMPARATIVE ANALYSIS, NON-IMPACT 3/16				
Title: ALUMINUM SINGLE HUNG WINDOW				
Series/Model: SH-701	Scale: NTS	Sheet: 5 of 8	Drawing No. 4032	Rev: D



*R. S.*  
4/17/02

**PGT**  
**INDUSTRIES**

1070 TECHNOLOGY DRIVE  
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NOKOMIS, FL 34274

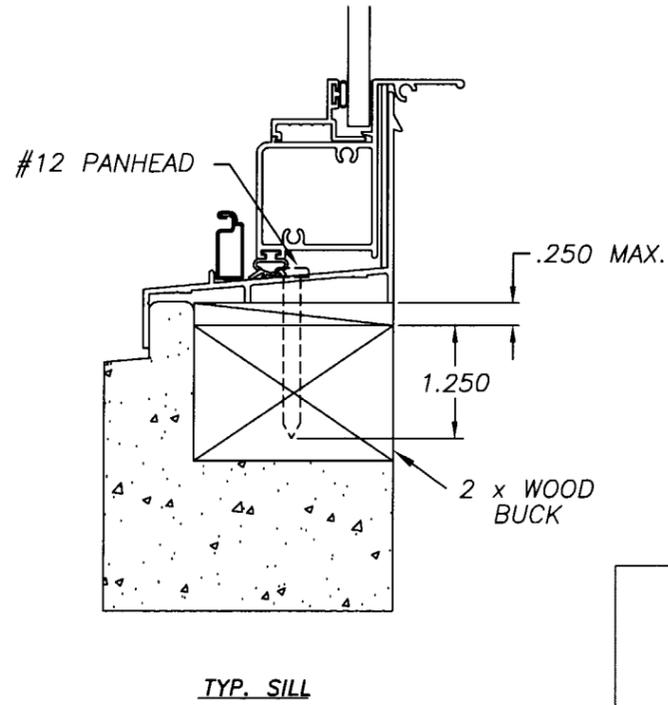
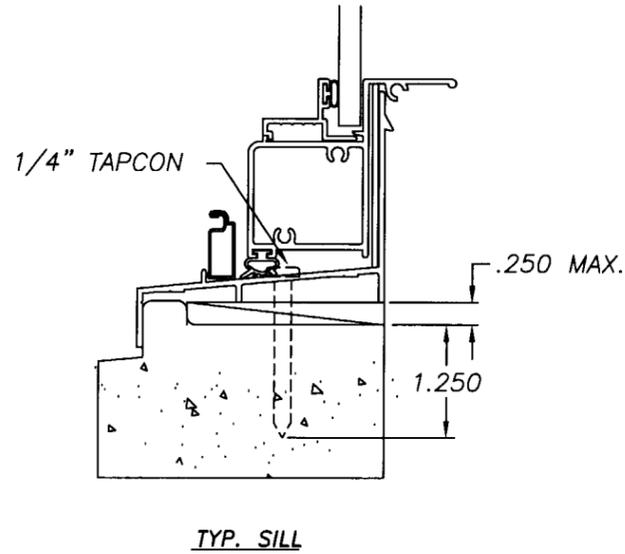
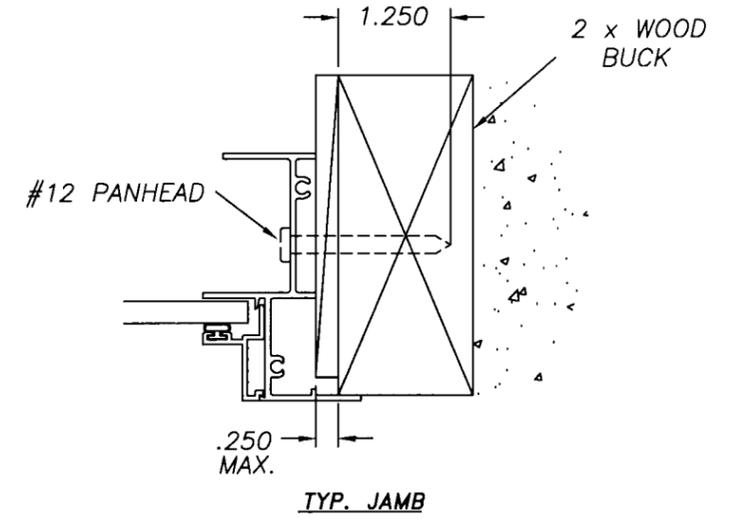
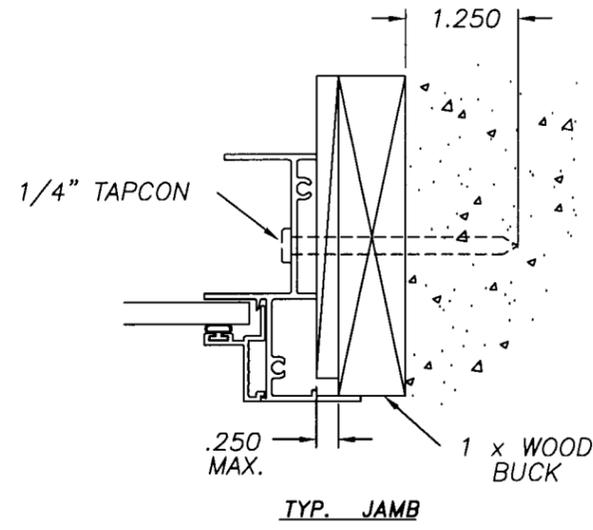
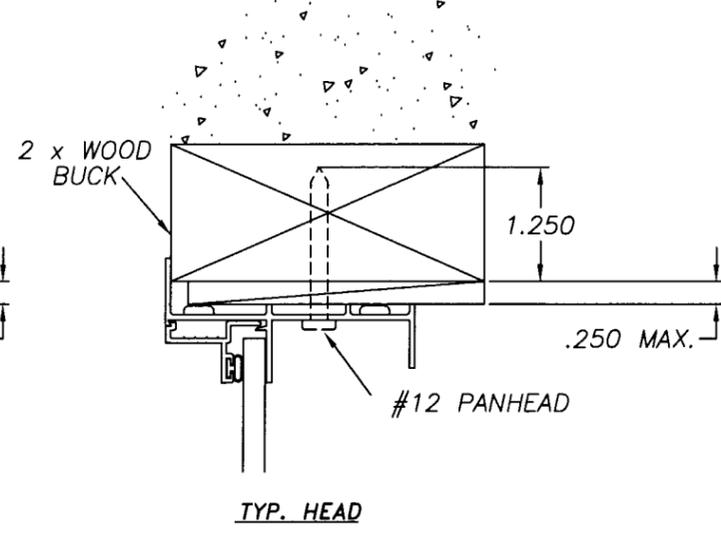
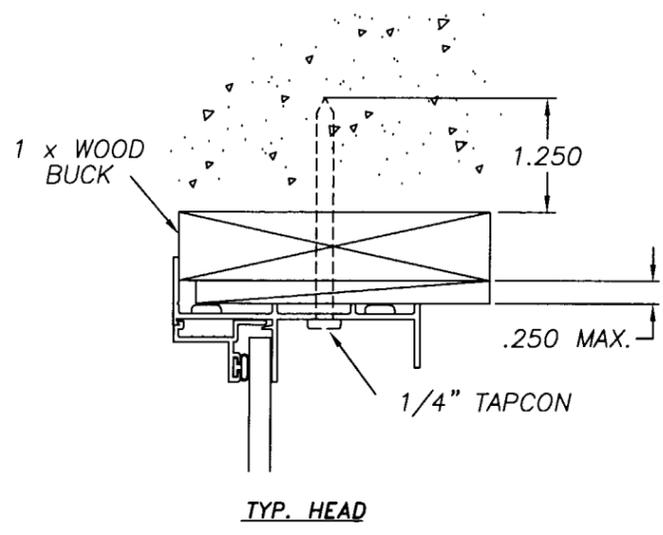
Revsd By: FK	Date: 4/16/02	Revisions: ADD SENTRY GLASS C.A.
Revsd By: FK	Date: 1/4/01	Revisions:
Drawn By: R.S.	Date: 11/27/96	

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Acceptance No. 02-0419.13  
Expiration Date February 25, 2006  
By: *[Signature]*  
Miami Dade Product Control  
Division

Description:  
ANCHORAGE, 3/16 TAPCON OR #10 WOOD SCREW

Title:  
ALUMINUM SINGLE HUNG WINDOW

Series/Model: SH-701	Scale: NTS	Sheet: 6 of 8	Drawing No. 4032	Rev: D
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*R.S.*  
4/17/02



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

Revsd By: FK	Date: 4/16/02	Revisions: ADD SENTRY GLASS C.A
Revsd By: FK	Date: 1/4/01	Revisions:
Drawn By: R.S.	Date: 11/27/96	

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Acceptance No 02-041 R.13  
Expiration Date February 25, 2006  
By *[Signature]*  
Miami Dade Product Control  
Division

Description: ANCHORAGE, 1/4 TAPCON OR #12 WOOD SCREW				
Title: ALUMINUM SINGLE HUNG WINDOW				
Series/Model: SH-701	Scale: NTS	Sheet: 7 of 8	Drawing No. 4032	Rev: D

COMPARATIVE ANALYSIS FOR: GLASS: 1/4" TEMPERED MAX. SIZE  
 53.125 x 76.000  
 Smallest Fasteners

NOTES: 1.) Numbers in ( ) parentheses are quantity of anchors per side.  
 2.) Negative Design Loads based on Comparative Analysis and Glass Table ASTM E1300.  
 3.) Positive Design Loads based on Comparative Analysis and Water Test Pressure.  
 4.) Numbers are for #10 screws or 3/16" Tapcons.  
 5.) (2) Anchors 4" apart, 4" from each side of meeting rail are required. (Total of 4 anchors at each meeting rail)  
 Anchors 6" from each corner and as follows:  
 Max. spacing at head & sill = 14"  
 Max. spacing at jambs = 14"

FTL-1533

Window Width	Window Height									
	26.000 (12)		38.375 (12)		50.625 (12)		63.000 (16)		76.000 (16)	
	neg	pos	neg	pos	neg	pos	neg	pos	neg	pos
19.125 (4)	-190.0	70.0	-190.0	70.0	-190.0	70.0	-154.9	70.0	-119.5	70.0
24.000 (4)	-190.0	70.0	-190.0	70.0	-190.0	70.0	-138.8	70.0	-104.1	70.0
26.500 (6)	-190.0	70.0	-190.0	70.0	-190.0	70.0	-134.4	70.0	-99.1	70.0
32.000 (6)	-190.0	70.0	-190.0	70.0	-190.0	70.0	-131.0	70.0	-92.3	70.0
37.000 (6)	-190.0	70.0	-190.0	70.0	-189.4	70.0	-131.0	70.0	-90.1	70.0
40.000 (8)	-190.0	70.0	-190.0	70.0	-168.6	70.0	-131.0	70.0	-90.0	70.0
44.000 (8)	-190.0	70.0	-176.8	70.0	-147.1	70.0	-131.0	70.0	-90.0	70.0
48.000 (8)	-190.0	70.0	-158.4	70.0	-130.5	70.0	-114.9	70.0	-90.0	70.0
53.125 (8)	-190.0	70.0	-139.7	70.0	-113.9	70.0	-99.1	70.0	-90.0	70.0

COMPARATIVE ANALYSIS FOR: GLASS: 1/4" TEMPERED MAX. SIZE  
 53.125 x 76.000  
 Larger Fasteners

NOTES: 1.) Numbers in ( ) parentheses are quantity of anchors per side.  
 2.) Negative Design Loads based on Comparative Analysis and Glass Table ASTM E1300.  
 3.) Positive Design Loads based on Comparative Analysis and Water Test Pressure.  
 4.) Numbers are for #12 screws or 1/4" Tapcons.  
 5.) (1) Anchors 4" on each side of meeting rail is required. (Total of 2 anchors at each meeting rail)  
 Anchors 6" from each corner and as follows:  
 Max. spacing at head & sill = 14"  
 Max. spacing at jambs = 14"

FTL-1533

Window Width	Window Height									
	26.000 (8)		38.375 (8)		50.625 (8)		63.000 (8)		76.000 (12)	
	neg	pos	neg	pos	neg	pos	neg	pos	neg	pos
19.125 (4)	-190.0	70.0	-190.0	70.0	-190.0	70.0	-154.9	70.0	-119.5	70.0
24.000 (4)	-190.0	70.0	-190.0	70.0	-190.0	70.0	-138.8	70.0	-104.1	70.0
26.500 (6)	-190.0	70.0	-190.0	70.0	-190.0	70.0	-134.4	70.0	-99.1	70.0
32.000 (6)	-190.0	70.0	-190.0	70.0	-190.0	70.0	-131.0	70.0	-92.3	70.0
37.000 (6)	-190.0	70.0	-190.0	70.0	-189.4	70.0	-131.0	70.0	-90.1	70.0
40.000 (8)	-190.0	70.0	-190.0	70.0	-168.6	70.0	-131.0	70.0	-90.0	70.0
44.000 (8)	-190.0	70.0	-176.8	70.0	-147.1	70.0	-131.0	70.0	-90.0	70.0
48.000 (8)	-190.0	70.0	-158.4	70.0	-130.5	70.0	-114.9	70.0	-90.0	70.0
53.125 (8)	-190.0	70.0	-139.7	70.0	-113.9	70.0	-99.1	70.0	-90.0	70.0

REFERENCE TEST REPORT: FTL-1533

*R. J. Clark*  
 4/16/02



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

Revsd By: FK	Date: 4/16/02	Revisions: UPDATE COMP. ANAL.
Revsd By: FK	Date: 1/4/01	Revisions:
Drawn By: R.S.	Date: 11/27/96	

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 02-0419.13  
 Expiration Date February 25, 2006

*[Signature]*  
 Miami Dade Product Control  
 Division

Description: COMPARATIVE ANALYSIS, NON-IMPACT 1/4T  
 Title: ALUMINUM SINGLE HUNG WINDOW

Series/Model: SH-701	Scale: NTS	Sheet: 8 of 8	Drawing No. 4032	Rev: D
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