



**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)**

**T. M. Window and Door  
601 N. W. 12<sup>th</sup> Ave  
Pompano Beach, Florida, 33609**

**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 "605 " Single Hung Aluminum Window (reinforced)**

**APPROVAL DOCUMENT:** Drawing No. S605-LM., titled "series 605 single Hung window. ", sheets 1 through 5 of 5, prepared by manufacturer, dated 07-23-01 and last revised on 06-07-02, signed and sealed by Ballard L. Argus, 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 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 01-0703.01 and consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P. E.



**NOA No 01-0703.01  
Expiration Date: July 05, 2007  
Approval Date: July 05, 2002  
Page 1**

**T. M. Window and Door**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**  
(For File ONLY. Not part of NOA)

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **S605-LM**, titled "series 605 single Hung window.", sheets 1 through 5 of 5, prepared by manufacturer, dated 07-23-01, last revised on 06-07-02, signed and sealed by Ballard L. Argus, P. E.

**B. TESTS**

1. Test report on
  - 1) Air Infiltration Test, per PA 202-94
  - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
  - 3) Water Resistance Test, per PA 202-94
  - 4) Large Missile Impact Test, SFBC PA 201-94
  - 5) Cyclic Loading Test, per SFBC PA 203-94along with installation diagram of an aluminum Single Hung window, prepared by Certified Testing Laboratories, Test Report No. **CTLA-416W** dated 04-11-02, signed and sealed by Ramesh Patel, P.E. (This report has been revised per addendum letter January 22, 2002, issued by Certified Testing Laboratories, signed and sealed by Ramesh Patel, P.E. )
2. Additional test report No. **CTLA-193W-2** for water infiltration qualification.

**C. CALCULATIONS**

1. Structural performance, comparative analysis and anchor verification calculations dated 01-14-01, 01-15-01, 01-23-02, 02-08-02, 02-27-02, 02-28-02, 03-06-02, 03-08-02, 03-21-02, 04-24-02, 05-01-02, 05-08-02 and last revised on 06-07-02 prepared, signed and sealed by Ballard L. Argus, P. E.

**D. MATERIAL CERTIFICATIONS**

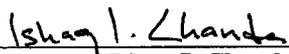
1. Notice of Acceptance No. **01-1204.01** issued to E.I. Dupont De Nemours for "Sentry Glas ® Plus", expiring on 01/14/2007.
2. Notice of Acceptance No. **00-0524.06** issued to Nebula Glass International Inc. for "Glasslam Safety Plus laminated glass", expiring on 09/09/2003.

**E. STATEMENTS**

1. Letter of conformance and "No financial interest, dated 08-03-2001 signed & sealed by Ballard L. Argus, P.E.
2. Statement letter of compliance, part of test report, issued by Certified Testing Laboratories, for Report No. **CTLA-416W**, signed & sealed Ramesh Patel, P.E.
4. Addendum letter dated 01-22-2002, issued by National Certified Testing Lab, for Test Report No. **CTLA-416W**, signed & sealed Ramesh Patel, P.E.

**F. OTHER**

1. This file has been submitted under ERP (In-house)

  
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**Ishaq I. Chanda, P. E.**  
Product Control Examiner  
NOA No 01-0703.01  
Expiration Date: July 05, 2007  
Approval Date: July 05, 2002

DRAWING INDEX

- SHEET 1. -GENERAL NOTES, ANCHOR NOTES, TYPICAL ELEVATIONS AND ANCHOR LAYOUT
- SHEET 2. -CROSS SECTIONS AND BILL OF MATERIALS
- SHEET 3. -INSTALLATION FASTENER CHARTS FOR 5/16" SAF-GLAS.
- SHEET 4. -INSTALLATION FASTENER CHARTS FOR 7/16" GLASSLAM SAFETY-PLUS.
- SHEET 5. -PARTS LIST

GENERAL NOTES

1. PRODUCT APPROVAL DRAWINGS ARE BASED ON TEST REPORTS CTLA 193W-2 AND CTLA 416W-1/1A , AS LISTED ACCORDINGLY FOR EACH UNIT.
2. DRAWINGS PROVIDE ANCHOR INFORMATION FOR STRUCTURAL CONCRETE/CBS CONSTRUCTION ONLY (SEE ANCHORING NOTES BELOW)
3. WINDOW MINIMUM HARDWARE REQUIREMENTS:
  - A. TWO (2) 5/8" SPIRAL BALANCES. - LOCATE ONE (1) AT EACH JAMB.
  - B. TWO (2) SURFACE MOUNTED METALLIC CAM LOCKS, LOCKING INTO A GROOVE IN THE FIXED MEETING RAIL, WITHIN 5 1/2" FROM EACH END.
  - C. TWO (2) ALUM. VENT STOPS, 4 1/2" LG. - LOCATE ONE AT TOP OF EACH JAMB.
  - D. FOUR (4) VINYL SASH GUIDES. - LOCATE TWO (2) AT EACH JAMB STILE OF THE OPERATING VENT, WITHIN 2 3/8" FROM THE BOTTOM OF THE VENT AND WITHIN 2" FROM THE TOP.
  - E. TWO (2) BALANCE CLIPS, WITH I.D. MARK "69N"- LOCATE ONE (1) AT THE BOTTOM OF EACH JAMB RAIL OF THE OPERATING VENT.
  - F. TWO (2) EXTRUDED ALUMINUM BALANCE COVERS. - LOCATE ONE (1) IN EACH FRAME JAMB.
4. WEATHERSTRIPPING REQUIREMENTS:
  - A. SINGLE ROW, WOOL PILE WITH INTEGRAL PLASTIC FIN. - LOCATE AT FRAME SILL FLANGE, FIXED MEETING RAIL, VENT MEETING RAIL AND EACH JAMB RAIL OF VENT (ON THE INTERIOR AND EXTERIOR.)
  - B. DOUBLE ROW, WOOL PILE WITH INTEGRAL PLASTIC FIN. - LOCATE AT VENT BOTTOM RAIL.
  - C. ONE (1) 1 3/8" LONG STRIP OF SINGLE ROW, WOOL PILE WITH INTEGRAL PLASTIC FIN. - LOCATE AT EACH END OF FIXED MEETING RAIL.
  - D. ONE (1) WOOL PILE PAD, 1 1/2" X 7/8" X .750" HIGH. - LOCATE AT EACH SILL CORNER.
  - E. ONE (1) WOOL PILE STRIP, 1 3/8" X 1/2" X .350" HIGH. - LOCATE AT BOTTOM RAIL INTERIOR, VERTICAL UNDER LIFT RAIL BUTTED TO STILE.
5. PROVIDE TWO (2) WEEP NOTCHES 1 3/16" LONG X LEG HEIGHT. - LOCATE ONE (1) AT EACH END OF THE SILL EXTRUSION INTERMEDIATE AND SCREEN RETAINER LEGS.
6. GLAZING METHOD: EXTERIOR GLAZED WITH ADHESIVE BACK BEDDING COMPOUND AND EXTRUDED ALUMINUM ANGLE (1/2"x1/2"x1/16"THK.), SECURED WITH #8 X 1/2" P.H. SMS., AT 8" FROM ENDS AND ONE AT MID-SPAN.
7. ALL STRUCTURAL FRAMING MEMBERS ARE ALUMINUM ALLOY 6063-T6.
8. NO SHUTTERS REQUIRED FOR THESE INSTALLATIONS

ANCHORING NOTES

- A. INTO STRUCTURAL CONCRETE CONSTRUCTION:**
1. TYPICAL ANCHOR TYPE IS 1/4"Ø TAPCON AND 1 1/4" EMBEDMENT DEPTH FOR 2000/4000 PSI STRUCTURAL CONCRETE AND HOLLOW CONCRETE BLOCK.
  2. MINIMUM ANCHOR QUANTITIES ARE DEPICTED AS SOLID LINES LOCATED AROUND THE PERIMETER OF EACH UNIT ELEVATION, DRAWN PERPENDICULAR TO THE FRAME (SEE ELEVATIONS)
  3. MAXIMUM SHIM SPACE BETWEEN WINDOW FRAME AND CONCRETE SUBSTRATE IS 1/4".
  4. MINIMUM 1/4"Ø TAPCON EDGE DISTANCE FROM EDGE OF CONCRETE/BLOCK IS 2 1/2"
  5. MINIMUM SPACING BETWEEN ADJACENT 1/4"Ø TAPCON IS 3".
- B. INTO ALUMINUM SUBSTRATE:**
1. TYPICAL ANCHOR TYPE IS SAE GRADE 5 1/4"Øx3/4" SHEET METAL SCREW
  2. MINIMUM ANCHOR QUANTITIES ARE DEPICTED AS SOLID LINES LOCATED AROUND THE PERIMETER OF EACH UNIT ELEVATION.

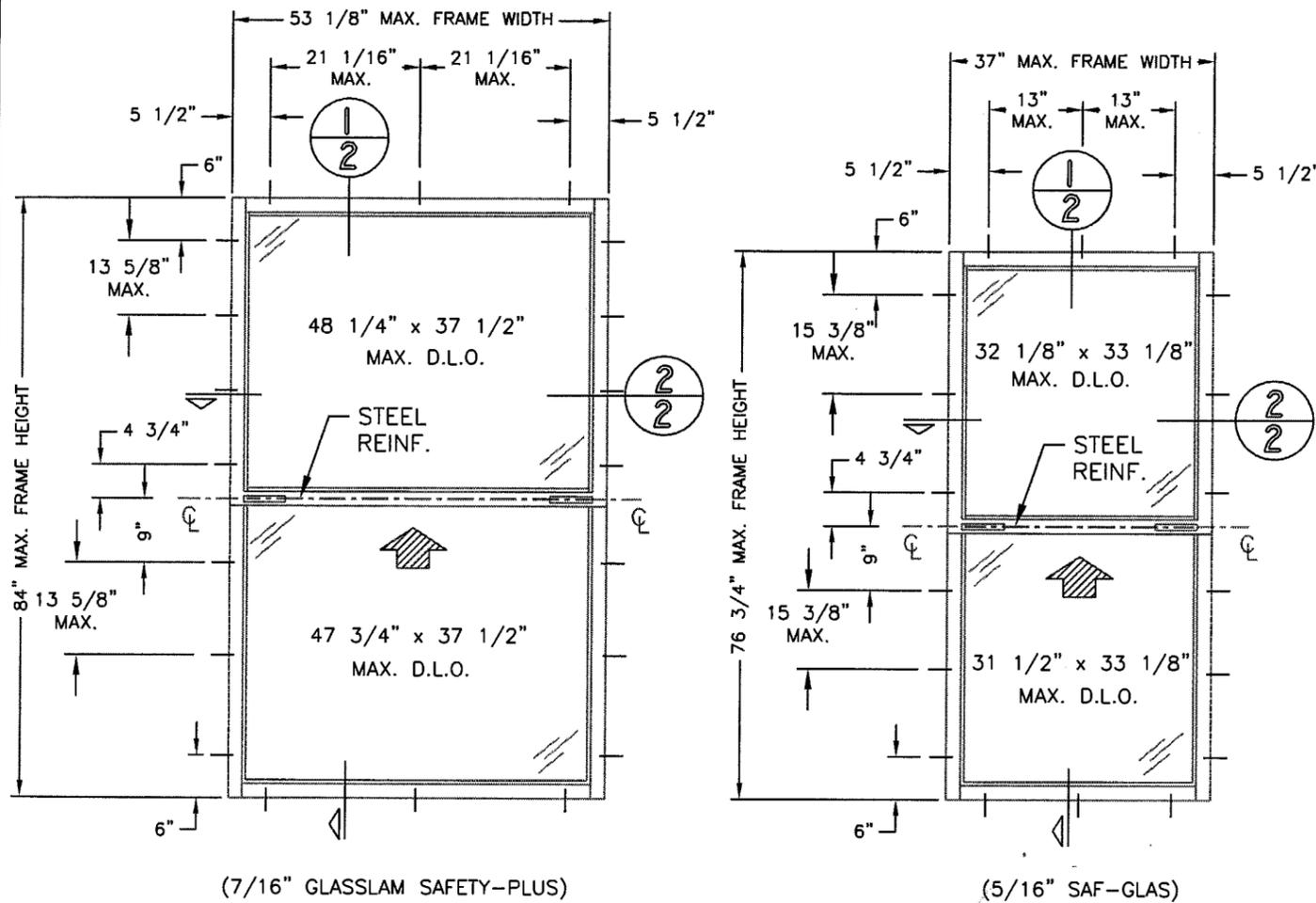
MAXIMUM ANCHOR SPACING REQUIREMENTS:  
(SEE NOTE 1 ON SHEET 3 AND 4 OF 5)

BALLARÉ D. ARGUS, P.E.  
844 N.W. 91 TERRACE  
PLANTATION, FL 33324

*[Signature]*

6/7/02  
FLORIDA No.35686, CIVIL

Approved as complying with the  
Florida Building Code  
Date July 05, 2002  
NOAH 01-0703-01  
Miami Dade Product Control  
Division  
By Shaq I. Chaudh



**SERIES 605 SINGLE HUNG (REINFORCED)**

LARGEST TESTED UNITS (VIEWED FROM EXTERIOR)  
SCALE: 1/2" = 1'-0"

REINFORCED	DESIGN PRESSURE (PSF)
	SEE CHART #3 (SHEET 4 OF 5)
	GLAZING: 7/16" GLASSLAM
	WATER RESISTANCE TEST: 12.00 PSF (W/O CAP BEAD AND NO SCREENS) (BASED ON TEST REPORT: CTLA 193W-2)
	TEST REPORT: CTLA 416W-1

REINFORCED	DESIGN PRESSURE (PSF)	DESIGN PRESSURE (PSF)
	SEE CHART #1 (SHEET 3 OF 5)	SEE CHART #2 (SHEET 3 OF 5)
	GLAZING: 5/16" SAF-GLAS	GLAZING: 5/16" SAF-GLAS
	W.R.T.: 12.00 PSF (W/O CAP BEAD AND NO SCREENS) (BASED ON TEST REPORT: CTLA 193W-2)	W.R.T.: 17.00 PSF (WITH CAP BEAD AND NO SCREENS) (BASED ON TEST REPORT: CTLA 416W-1A)
	TEST REPORT: CTLA 416W-1A	

NO SHUTTERS REQUIRED FOR THESE INSTALLATIONS.

601 N.W. 12th Ave.,  
POMPANO BEACH, FL 33069  
PHONE: (954) 781-4430  
FAX: (954) 781-3595

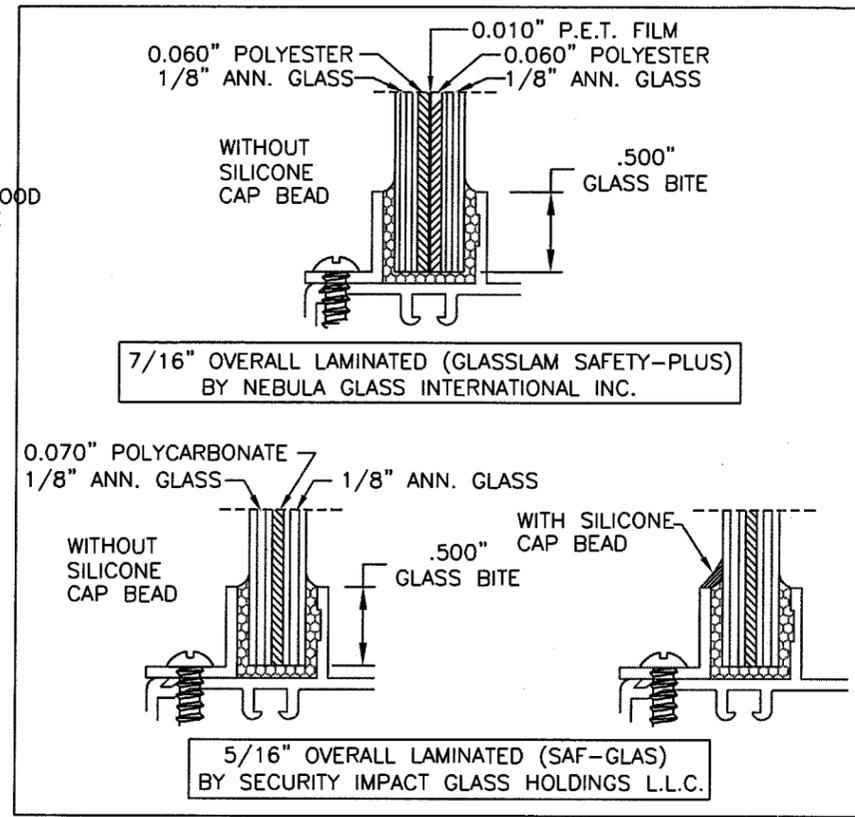
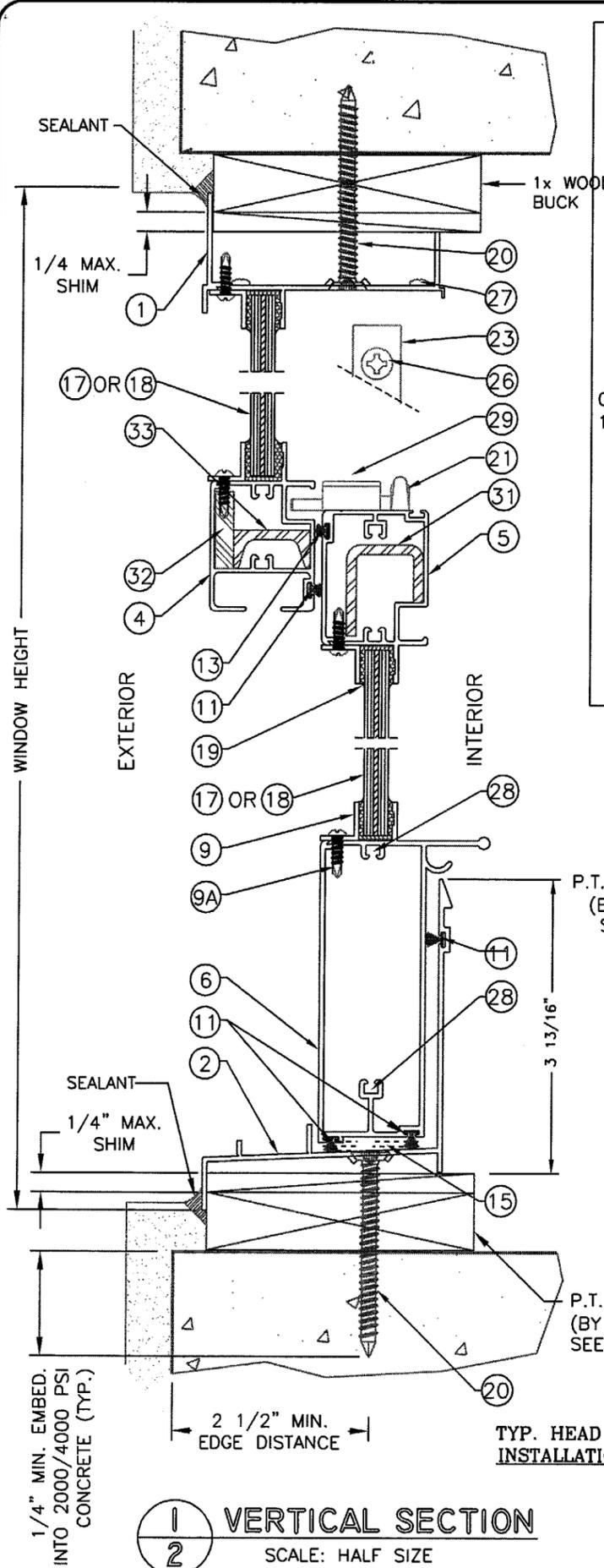


SERIES 605 SINGLE HUNG WINDOW  
LARGE MISSILE IMPACT (REINFORCED)

REVISIONS	NO.	DATE	BY	DESCRIPTION
	3	06/07/02		ALT. SUBSTRATES
	2	05/06/02		UPDATE ENG. CALC'S
	1	01/23/02		GENERAL REVISION

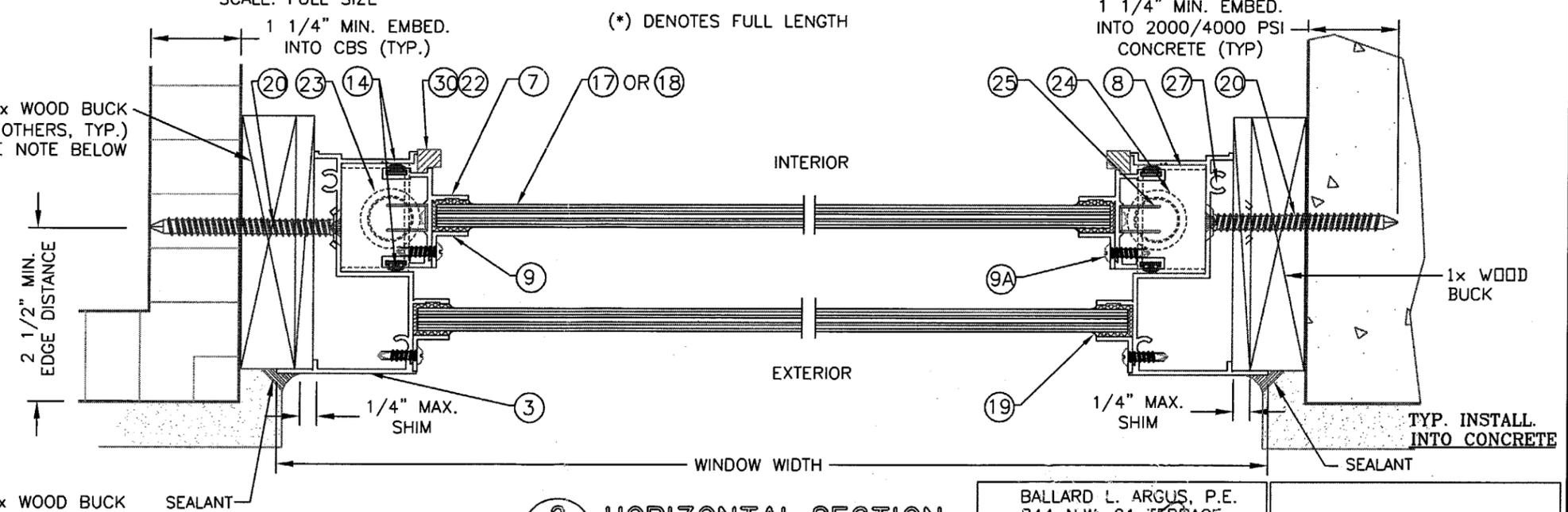
DATE: 07/23/01  
SCALE: AS NOTED  
DWG. BY: R.P.  
CHK. BY:

DRAWING No.:  
S605-LM  
SHEET 1 OF 5



**BILL OF MATERIALS**

ITEM	QTY.	PART No.	MATERIAL	DESCRIPTION	LOCATION
1	1	GW-36763	6063-T6	FRAME HEAD	WINDOW FRAME
2	1	GW-37731	6063-T6	FRAME SILL	WINDOW FRAME
3	2	GW-31445	6063-T6	FRAME JAMB	WINDOW FRAME
4	1	GW-36706	6063-T6	MEETING RAIL	WINDOW VENT
5	1	GW-36685	6063-T6	VENT TOP RAIL	WINDOW VENT
6	1	GW-37730	6063-T6	VENT BOTTOM RAIL	WINDOW VENT
7	2	GW-31134	6063-T6	VENT JAMB STILE	WINDOW VENT
8	2	GW-31470	6063-T5	VENT STOP	FRAME JAMBS (TOP)
9	4/VENT	19-56	6063-T5	GLAZING BEAD ANGLE	WINDOW VENT
9A	12/VENT	---	STEEL	#8 x 1/2" P.H. SCREW	GLAZING CHANNEL PERIM.
11	(1) STRIP	4037		FIN SEAL WEATHERSTRIP	MTG.RAIL/FRAME SILL
13	(1) STRIP	2240		FIN SEAL WEATHERSTRIP	VENT TOP
14	(2) STRIP	3722		FIN SEAL WEATHERSTRIP	VENT JAMB STILES
15	2			1 1/2"x7/8"x3/4" FINSEAL PAD	FRAME SILL CORNERS
17	2		GLASS	7/16" SAFETY-PLUS ANN. LAM.	WINDOW FRAME/VENT
18	2		GLASS	5/16" ANN. LAMI. SAF-GLASS	WINDOW FRAME/VENT
19	AS REQ'D		SILICONE	STRUCTURAL GLAZING	FRAME/GLASS
20	SEE ELEV.		STEEL	1/4"Ø TAPCON BY ITW BUILDEX	FRAME PERIMETER
21	2/VENT		CAST	LATCH LOCK	VENT TOP
22	4/VENT		NYLON	VENT GUIDE	VENT INT. CORNERS
23	2/VENT			CALDWELL SPIRAL BALANCES	AT FRAME JAMBS
24	2/VENT	WVR-9302	VINYL	BALANCE COVER	FRAME HEAD/JAMBS
25	2/VENT	N69		CALDWELL BALANCE CLIP	VENT BOTT. CORNERS
26	2		STEEL	#12 x 3/4" P.H. SMS	(1) AT EACH BALANCE
27	8		STEEL	#12 x 1" P.H. SMS	FRAME CORNERS
28	8		STEEL	#10 x 1" P.H. SMS	VENT CORNERS
29	4		STEEL	#8 x 3/4" F.H. SMS.	(2) AT EACH LATCH
30	4		STEEL	#6 x 3/8" F.H. SMS.	AT EA. PLASTIC GUIDE
31(*)	1		STEEL	1x1 3/16x3/4x1/8" CHANNEL	AT VENT TOP
32	2		ALUM.	1x1/4 THK.x4" LONG BAR	(1)AT EA. MTG. RAIL END
33(*)	1		STEEL	1/2x1x1/2x1/8" CHANNEL	AT MEETING RAIL



**WOOD BUCK INSTALLATION NOTE:**  
WOOD BUCK SHALL BE ATTACHED TO SUBSTRATE AS RECOMENDED BY ARCHITECT OR ENG. OF RECORD (TYP.)

NO SHUTTERS REQUIRED FOR THESE INSTALLATIONS.

BALLARD L. ARGUS, P.E.  
844 N.W. 91 TERRACE  
PLANTATION, FL 33324

*[Signature]*  
6/7/02  
FLORIDA No.35686, CIVIL

Approved as complying with the Florida Building Code  
Date July 05, 2002  
NOA# 01-0705-01  
Miami Dade Product Control Division  
By *[Signature]* Chanda

601 N.W. 12th Ave.,  
POMPANO BEACH, FL 33069  
PHONE: (954) 781-4430  
FAX: (954) 781-3595

**WINDOW AND DOOR**

DWG. TITLE: CROSS SECTIONS AND BILL OF MATERIALS

SERIES 605 SINGLE HUNG WINDOW  
LARGE MISSILE IMPACT (REINFORCED)

REVISIONS	No.	DATE	BY	DESCRIPTION
	3	06/07/02		ALT. SUBSTRATES
	2	05/06/02		UPDATE ENG. CALC'S
	1	01/23/02		GENERAL REVISION

DATE: 07/23/01  
SCALE: AS NOTED  
DWG. BY: R.P.  
CHK. BY:

DRAWING No.:  
**S605-LM**

SHEET 2 OF 5

**INSTALLATION FASTENER CHART #1**

BASED ON TEST REPORTS: CTLA-416W-1A AND CTLA-193-2 (WATER TEST)

**GLAZING: 5/16" OVERALL LAMINATED (SAF-GLAS)**

**3 13/16" SILL HEIGHT WITHOUT SILICONE CAP BEAD, WATER RESISTANCE TEST: 12.00 PSF**

SERIES 605 S.H.		WINDOW FRAME SIZE		MAX. DESIGN PRESSURE		REQ'D ANCHOR QUANTITIES		
SIZE CODES	PRODUCT CODE	WIDTH (in.)	HEIGHT (in.)	POSITIVE	NEGATIVE	HEAD/SILL	JAMB	
INDUSTRY SIZE CODES	1 2	19 1/8	26	+80.0	-99.3	2	4	
	1 3	19 1/8	38 3/8	+80.0	-99.3	2	4	
	1 4	19 1/8	50 5/8	+80.0	-99.3	2	4	
	1 4.5	19 1/8	56 5/8	+80.0	-99.3	2	5	
	1 5	19 1/8	63	+80.0	-99.3	2	6	
	1 6	19 1/8	76 3/4	+80.0	-99.3	2	6	
	H3 2	26 1/2	26	+80.0	-99.3	3	4	
	H3 3	26 1/2	38 3/8	+80.0	-99.3	3	4	
	H3 4	26 1/2	50 5/8	+80.0	-99.3	3	4	
	H3 4.5	26 1/2	56 5/8	+80.0	-99.3	3	5	
	H3 5	26 1/2	63	+80.0	-99.3	3	6	
	H3 6	26 1/2	76 3/4	+80.0	-88.0	3	6	
	2 2	37	26	+80.0	-99.3	3	4	
	2 3	37	38 3/8	+80.0	-99.3	3	4	
	2 4	37	50 5/8	+80.0	-94.2	3	4	
	2 4.5	37	56 5/8	+80.0	-81.8	3	5	
	2 5	37	63	+72.1	-72.1	3	6	
	2 6	37	76 3/4	+58.9	-58.9	3	6	
	3 2	53 1/8	26	+62.6	-62.6	5	4	
	3 3	53 1/8	38 3/8	+43.6	-43.6	5	4	
	3 4	53 1/8	50 5/8	+34.4	-34.4	5	4	
	MODULAR SIZE CODES	20 70	24	84	+80.0	-91.3	2	7
		20 76	24	90	+80.0	-87.8	2	7
		20 80	24	96	+80.0	-84.9	2	8
20 86		24	102	+80.0	-82.2	2	8	

**INSTALLATION FASTENER CHART #2**

BASED ON TEST REPORTS: CTLA-416W-1A AND CTLA-193-2 (WATER TEST)

**GLAZING: 5/16" OVERALL LAMINATED (SAF-GLAS)**

**3 13/16" SILL HEIGHT WITH SILICONE CAP BEAD, WATER RESIT. TEST=17.0PSF**

SERIES 605 S.H.		WINDOW FRAME SIZE		MAX. DESIGN PRESSURE		REQ'D ANCHOR QUANTITIES		
SIZE CODES	PRODUCT CODE	WIDTH (in.)	HEIGHT (in.)	POSITIVE	NEGATIVE	HEAD/SILL	JAMB	
INDUSTRY SIZE CODES	1 2	19 1/8	26	+99.3	-99.3	2	4	
	1 3	19 1/8	38 3/8	+99.3	-99.3	2	4	
	1 4	19 1/8	50 5/8	+99.3	-99.3	2	4	
	1 4.5	19 1/8	56 5/8	+99.3	-99.3	2	5	
	1 5	19 1/8	63	+99.3	-99.3	2	6	
	1 6	19 1/8	76 3/4	+99.3	-99.3	2	6	
	H3 2	26 1/2	26	+99.3	-99.3	3	4	
	H3 3	26 1/2	38 3/8	+99.3	-99.3	3	4	
	H3 4	26 1/2	50 5/8	+99.3	-99.3	3	4	
	H3 4.5	26 1/2	56 5/8	+99.3	-99.3	3	5	
	H3 5	26 1/2	63	+99.3	-99.3	3	6	
	H3 6	26 1/2	76 3/4	+88.0	-88.0	3	6	
	2 2	37	26	+99.3	-99.3	3	4	
	2 3	37	38 3/8	+99.3	-99.3	3	4	
	2 4	37	50 5/8	+94.2	-94.2	3	4	
	2 4.5	37	56 5/8	+81.8	-81.8	3	5	
	2 5	37	63	+72.1	-72.1	3	6	
	2 6	37	76 3/4	+58.9	-58.9	3	6	
	3 2	53 1/8	26	+62.6	-62.6	5	4	
	3 3	53 1/8	38 3/8	+43.6	-43.6	5	4	
	3 4	53 1/8	50 5/8	+34.4	-34.4	5	4	
	MODULAR SIZE CODES	20 70	24	84	+91.3	-91.3	2	7
		20 76	24	90	+87.8	-87.8	2	7
		20 80	24	96	+84.9	-84.9	2	8
20 86		24	102	+82.2	-82.2	2	8	

**NOTE 1:**

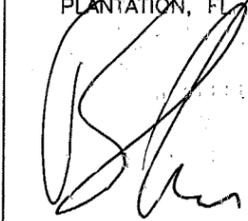
**MAXIMUM ANCHOR SPACING REQUIREMENTS:**

1. HEAD AND SILL FRAME ANCHORS: LOCATE ANCHORS 5 1/2" FROM ENDS, AND 13" O.C. MAX. (SINGLE ROW)
2. JAMB FRAME ANCHORS: LOCATE ANCHORS 6" FROM ENDS, ONE ANCHOR AT 4 3/4" ABOVE THE MEETING RAIL CENTER LINE AND ONE ANCHOR 9" BELOW THE MEETING RAIL CENTER LINE, AND 15 3/8" O.C. MAX. (SINGLE ROW)
3. ABOVE ANCHOR SPACING ARE MAXIMUMS; REDUCE ANCHOR SPACING FROM FRAME ENDS, IF REQUIRED, TO MAINTAIN 3" MINIMUM SPACING BETWEEN ADJACENT ANCHORS.

NO SHUTTERS REQUIRED FOR THESE INSTALLATIONS.

Approved as complying with the  
**Florida Building Code**  
 Date: July 05/2002  
 NOAS 01-0703.0  
 Miami Dade Product Control  
 Division  
 By Isaac L. Chanda

BALLARD L. ARGUS, P.E.  
 844 N.W. 91 TERRACE  
 PLANTATION, FL 33324



6/7/02  
 FLORIDA No.35686, CIVIL

601 N.W. 12th AVE.,  
 POMPANO BEACH, FL 33069  
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 FAX: (954) 781-3595



DWG. TITLE: INSTALLATION FASTENER CHARTS (5/16" SAF-GLAS)

SERIES 605 SINGLE HUNG WINDOW  
 LARGE MISSILE IMPACT (REINFORCED)

REVISIONS	NO.	DATE	BY	DESCRIPTION
	3	06/07/02		ALT. SUBSTRATES
	2	05/06/02		UPDATE ENG. CALC'S
	1	01/23/02		GENERAL REVISION

DATE: 07/23/01

SCALE:

DWG. BY: R.P.

CHK. BY:

DRAWING No.:  
**S605-LM**

SHEET 3 OF 5

### INSTALLATION FASTENER CHART #3

BASED ON TEST REPORTS: CTLA-416W-1 AND CTLA-193-2 (WATER TEST)

GLAZING: 7/16" OVERALL LAMINATED (GLASSLAM SAFETY-PLUS)

3 13/16" SILL HEIGHT WITHOUT SILICONE CAP BEAD, WATER RESISTANCE TEST: 12.00 PSF

SERIES 605 S.H.		WINDOW FRAME SIZE		MAX. DESIGN PRESSURE		REQ'D ANCHOR QUANTITIES	
SIZE CODES	PRODUCT CODE	WIDTH (in.)	HEIGHT (in.)	POSITIVE	NEGATIVE	HEAD/SILL	JAMB
INDUSTRY SIZE CODES	1 2	19 1/8	26	+61.0	-61.0	2	4
	1 3	19 1/8	38 3/8	+61.0	-61.0	2	4
	1 4	19 1/8	50 5/8	+61.0	-61.0	2	5
	1 4.5	19 1/8	56 5/8	+61.0	-61.0	2	5
	1 5	19 1/8	63	+61.0	-61.0	2	6
	1 6	19 1/8	76 3/4	+61.0	-61.0	2	7
	H3 2	26 1/2	26	+61.0	-61.0	2	4
	H3 3	26 1/2	38 3/8	+61.0	-61.0	2	4
	H3 4	26 1/2	50 5/8	+61.0	-61.0	2	5
	H3 4.5	26 1/2	56 5/8	+61.0	-61.0	2	5
	H3 5	26 1/2	63	+61.0	-61.0	2	6
	H3 6	26 1/2	76 3/4	+61.0	-61.0	2	7
	2 2	37	26	+61.0	-61.0	3	4
	2 3	37	38 3/8	+61.0	-61.0	3	4
	2 4	37	50 5/8	+61.0	-61.0	3	5
	2 4.5	37	56 5/8	+61.0	-61.0	3	5
	2 5	37	63	+61.0	-61.0	3	6
	2 6	37	76 3/4	+58.9	-58.9	3	7
	3 2	53 1/8	26	+61.0	-61.0	3	4
	3 3	53 1/8	38 3/8	+61.0	-61.0	3	4
	3 4	53 1/8	50 5/8	+61.0	-61.0	3	5
	3 4.5	53 1/8	56 5/8	+54.4	-54.4	3	5
	3 5	53 1/8	63	+48.3	-48.3	3	6
	3 6	53 1/8	76 3/4	+39.9	-39.9	3	7
MODULAR SIZE CODES	20 70	24	84	+61.0	-61.0	2	7
	30 70	36	84	+55.2	-55.2	3	7
	40 70	48	84	+45.2	-45.2	3	7
	20 76	24	90	+61.0	-61.0	2	8
	30 76	36	90	+51.3	-51.3	3	8
	40 76	48	90	+42.2	-42.2	3	8
	20 80	24	96	+61.0	-61.0	2	8
	30 80	36	96	+47.7	-47.7	3	8
	20 86	24	102	+61.0	-61.0	2	8
	30 86	36	102	+44.6	-44.6	3	8

**NOTE 1:**

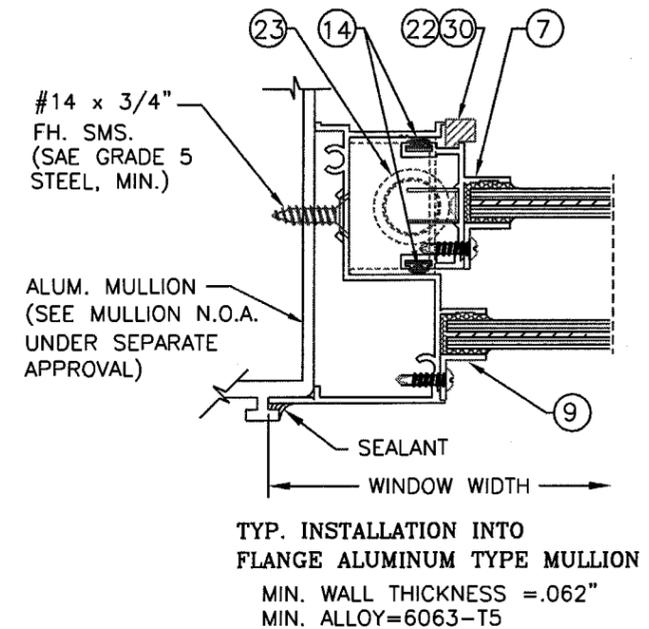
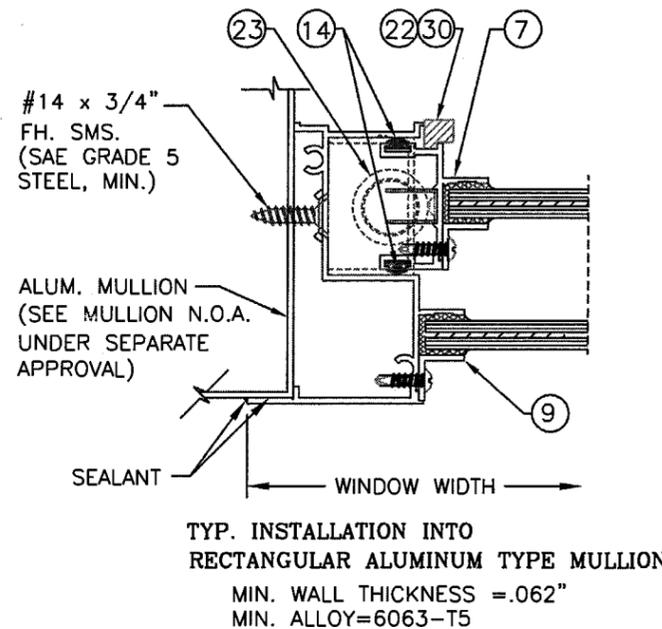
**MAXIMUM ANCHOR SPACING REQUIREMENTS:**

1. HEAD AND SILL FRAME ANCHORS: LOCATE ANCHORS 5 1/2" FROM ENDS, AND 21 1/16" O.C. MAX. (SINGLE ROW)
2. JAMB FRAME ANCHORS: LOCATE ANCHORS 6" FROM ENDS, ONE ANCHOR AT 4 3/4" ABOVE THE MEETING RAIL CENTER LINE AND ONE ANCHOR 9" BELOW THE MEETING RAIL CENTER LINE, AND 13 5/8" O.C. MAX. (SINGLE ROW)
3. ABOVE ANCHOR SPACING ARE MAXIMUMS; REDUCE ANCHOR SPACING FROM FRAME ENDS, IF REQUIRED, TO MAINTAIN 3" MINIMUM SPACING BETWEEN ADJACENT ANCHORS.

NO SHUTTERS REQUIRED FOR THESE INSTALLATIONS.

### OPTIONAL SUBSTRATES

#### 1. ALUMINUM MULLIONS



Approved as complying with the Florida Building Code  
Date July 05, 2002  
NOA# 01-0703-01  
Miami Dade Product Control Division  
By Ishaq I. Chanda

601 N.W. 12th Ave.,  
POMPANO BEACH, FL 33069  
PHONE: (954) 781-4430  
FAX: (954) 781-3595



DWG. TITLE: INSTALLATION FASTENER CHARTS (7/16" GLASSLAM)

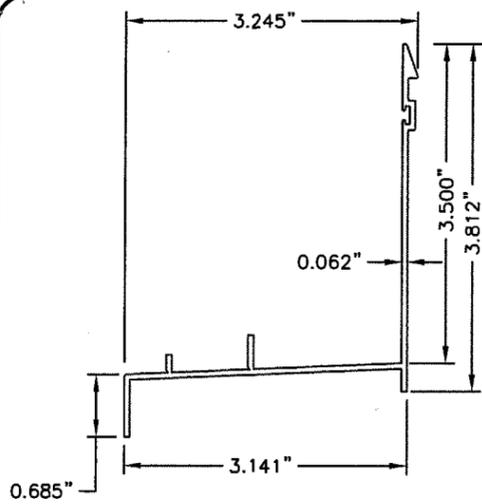
SERIES 605 SINGLE HUNG WINDOW  
LARGE MISSILE IMPACT (REINFORCED)

NO.	DATE	BY	DESCRIPTION
3	06/07/02		ALT. SUBSTRATES
2	05/06/02		UPDATE ENG. CALC'S
1	01/23/02		GENERAL REVISION

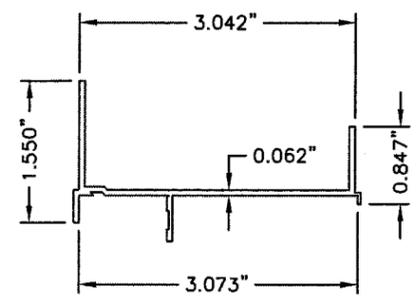
DATE: 07/23/01  
SCALE:  
DWG. BY: R.P.  
CHK. BY:

DRAWING No.:  
**S605-LM**  
SHEET 4 OF 5

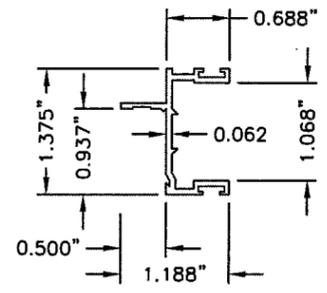
BALLARD L. ARGUS, P.E.  
844 N.W. 91 TERRACE  
PLANTATION, FL 33324  
*[Signature]*  
6/7/02  
FLORIDA No.35686, CIVIL



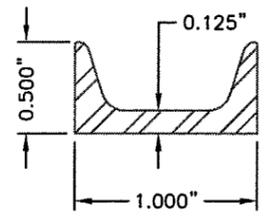
GW 37731  
FRAME SILL  
SCALE: HALF SIZE



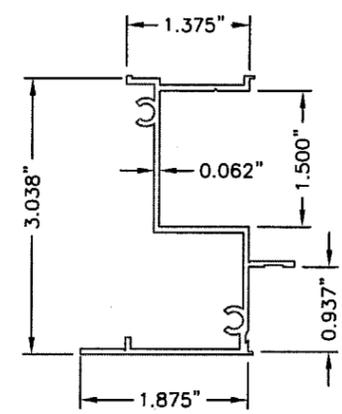
GW 36763  
FRAME HEAD  
SCALE: HALF SIZE



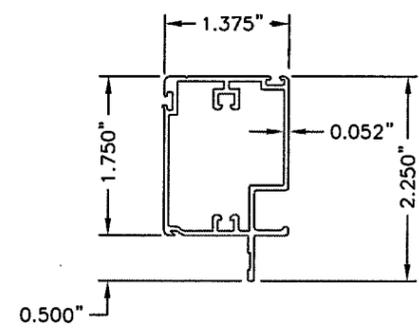
GW 31134  
VENT JAMB STILE  
SCALE: HALF SIZE



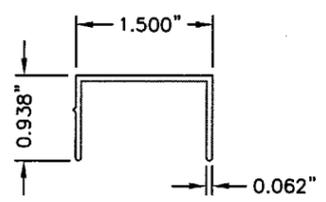
ITEM 33  
STEEL REINFORCEMENT CHANNEL  
(INTO THE MEETING RAIL-FULL LENGTH)  
(SCALE: FULL SIZE)



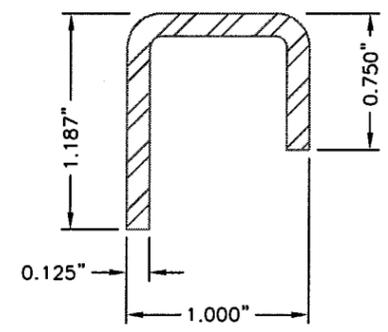
GW 31445  
FRAME JAMB  
SCALE: HALF SIZE



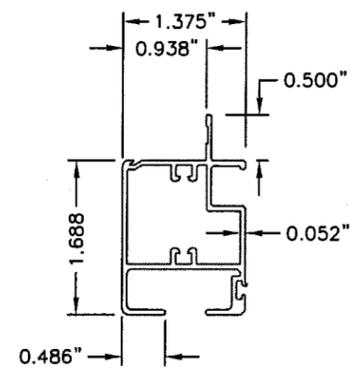
GW 36685  
VENT TOP RAIL  
SCALE: HALF SIZE



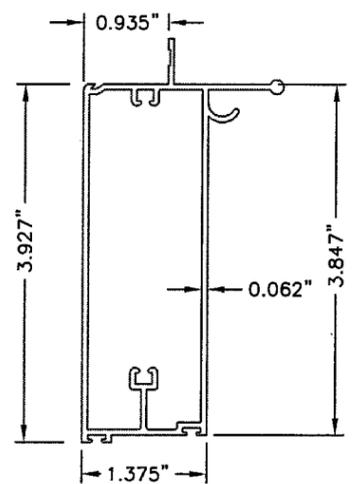
GW 31470  
VENT STOP  
SCALE: HALF SIZE



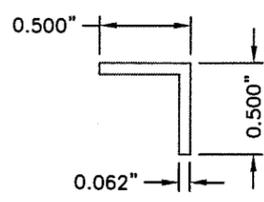
ITEM 31  
STEEL REINFORCEMENT CHANNEL  
(INTO THE VENT TOP-FULL LENGTH)  
(SCALE: FULL SIZE)



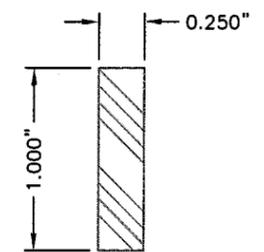
GW 36706  
VENT MEETING RAIL  
SCALE: HALF SIZE



GW 37730  
VENT BOTTOM RAIL  
SCALE: HALF SIZE

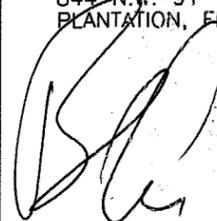


ITEM 9  
19-56  
GLAZING BEAD ANGLE  
(SCALE: FULL SIZE)



ITEM 32  
ALUMINUM BAR-4\"/>

Approved as complying with the  
Florida Building Code  
Date July 05, 2002  
NOA# 01-0703.0  
Miami Dade Product Control  
Division  
By Isaac I. Lhanda

BALLARD L. ARGUS, P.E.  
844 N.W. 91 TERRACE  
PLANTATION, FL 33324  
  
6/7/02  
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601 N.W. 12th Ave.,  
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PHONE: (954) 781-4430  
FAX: (954) 781-3595



DWG. TITLE: PARTS LIST

SERIES 605 SINGLE HUNG WINDOW  
LARGE MISSILE IMPACT (REINFORCED)

REVISIONS		ALT. SUBSTRATES	UPDATE ENG. CALC'S	GENERAL REVISION	DESCRIPTION
No.	DATE	BY			
3	06/07/02				
2	05/06/02				
1	01/23/02				

DATE: 07/23/01  
SCALE: AS NOTED  
DWG. BY: R.P.  
CHK. BY:

DRAWING No.:  
**S605-LM**  
SHEET 5 OF 5