



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

www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Miami Wall Systems, Inc.
701 West 25th Street
Hialeah, FL 33010

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 122 Aluminum Single Hung Window (Equal & Unequal legs)- Impact

APPROVAL DOCUMENT: Drawing No. 122-003, titled " Series 122 Aluminum Fixed Window-Large Missile Impact", dated 03-10-03 and last revised on 04-28-2005, sheets 1 through 6 of 6, prepared by manufacturer, signed and sealed by Kelvyn Whitfield, 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: 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 revises NOA #03-1008.03 consists of this page 1 and evidence pages E-1 & E-2, as well as, approval document mentioned above.

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



NOA No 04-1122.06
Expiration Date: August 29, 2008
Approval Date: May 26, 2005

8
57515

Miami Wall Systems, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **122-003**, titled " Series 122 Aluminum Fixed Window-Large Missile Impact", dated 03-10-03 and last revised on 04-28-2005, sheets 1 through 6 of 6, prepared by manufacturer, signed and sealed by Kelvyn Whitfield, P.E
(Note: The revision consists of addition of equal leg frame at head, sill & jambs).

B. TESTS (Photo copies from file #03-0303.01)

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Resistant test per TAS202-94 & AAMA 1302.5

Along with marked-up drawings and installation diagram of aluminum single hung mulled fixed windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3385 (02039)**, dated May 03 2002, signed and sealed by Luis Antonio Figueredo, 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) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Resistant test per TAS202-94 & AAMA 1302.5

Along with marked-up drawings and installation diagram of aluminum single hung mulled fixed windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3386 (02039)**, dated May 01, 2002, signed and sealed by Luis Antonio Figueredo, P.E.

3. Additional test report No. FTL-4091, dated 02-20-2004, per TAS 201, 202 & 203-94 for equal leg aluminum fixed frame, issued by Fenestration Testing laboratory, signed and sealed by Edmundo Largaespada, P. E..
4. Additional test reports FTL-4225, dated May 06, 2004 per TAS 202-94 for Aluminum Fixed Window with equal leg frames, issued by Fenestration Testing laboratory, signed and sealed by Edmundo Largaespada, P. E.
5. Additional reference test reports FTL 3383 and, 3384 per TAS 201, 202, 203-94, revised by addendum letter dated 05-22-03, issued by Fenestration Testing laboratory.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 04-1122.06
Expiration Date: August 29, 2008
Approval Date: May 26, 2005

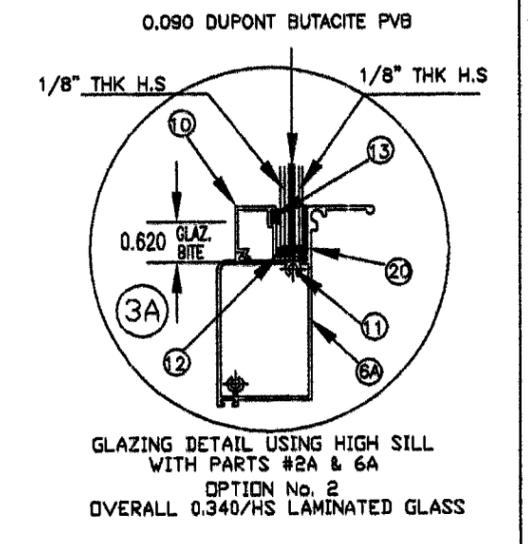
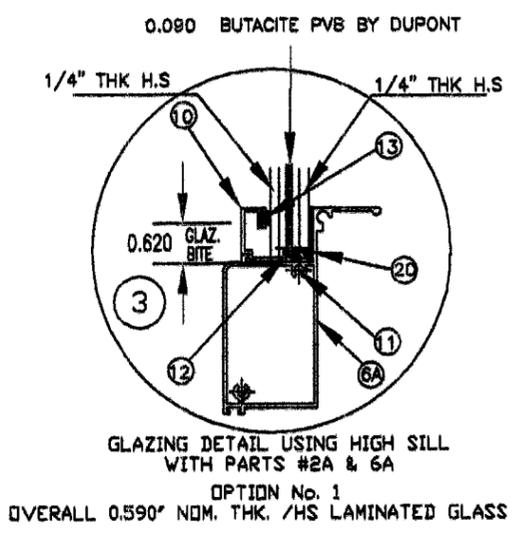
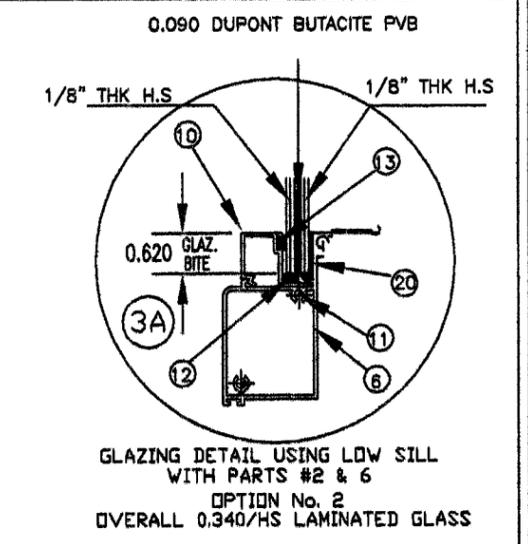
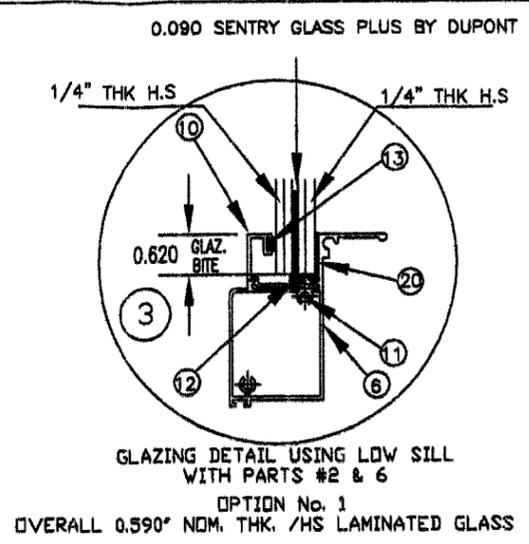
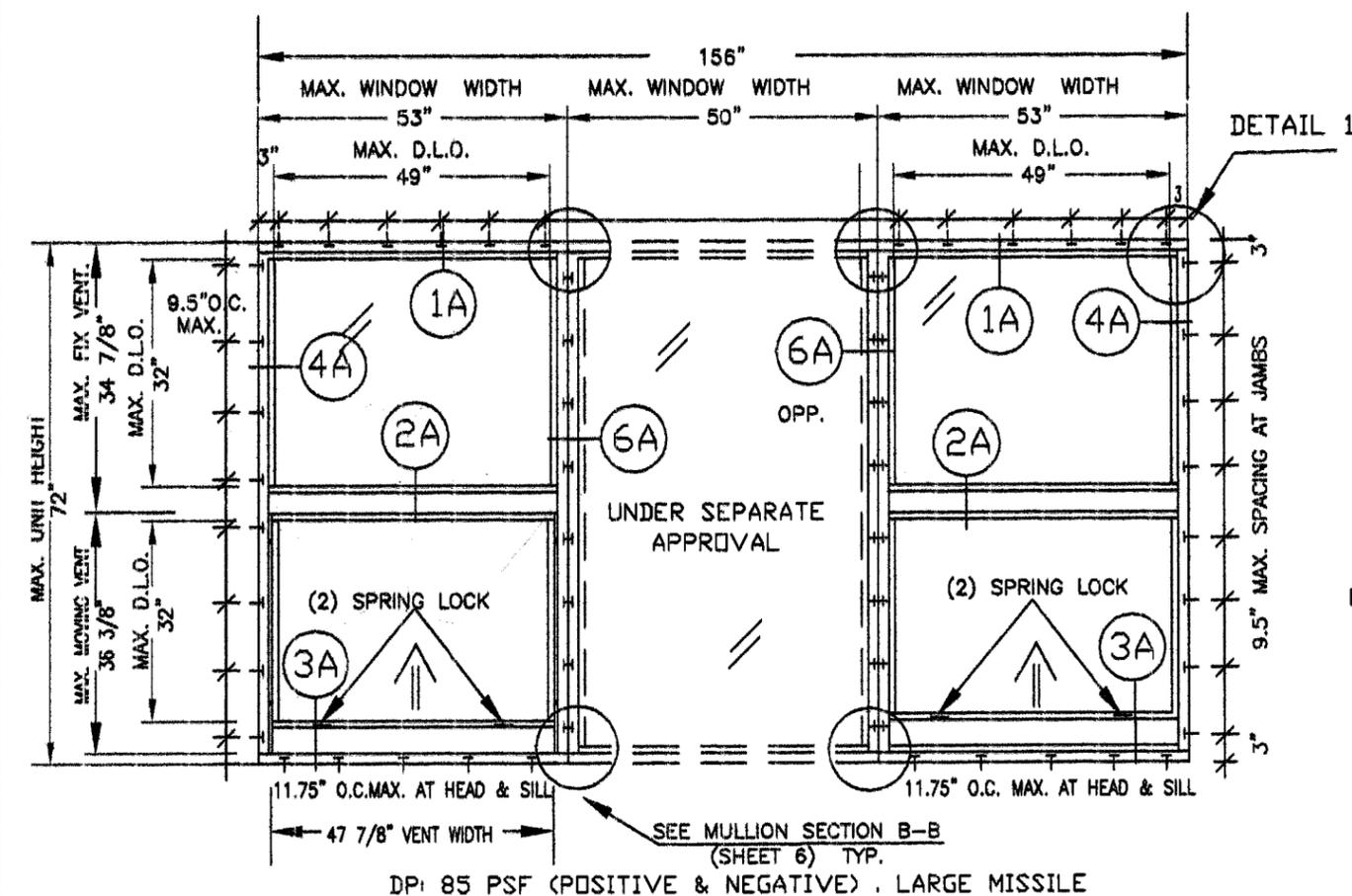
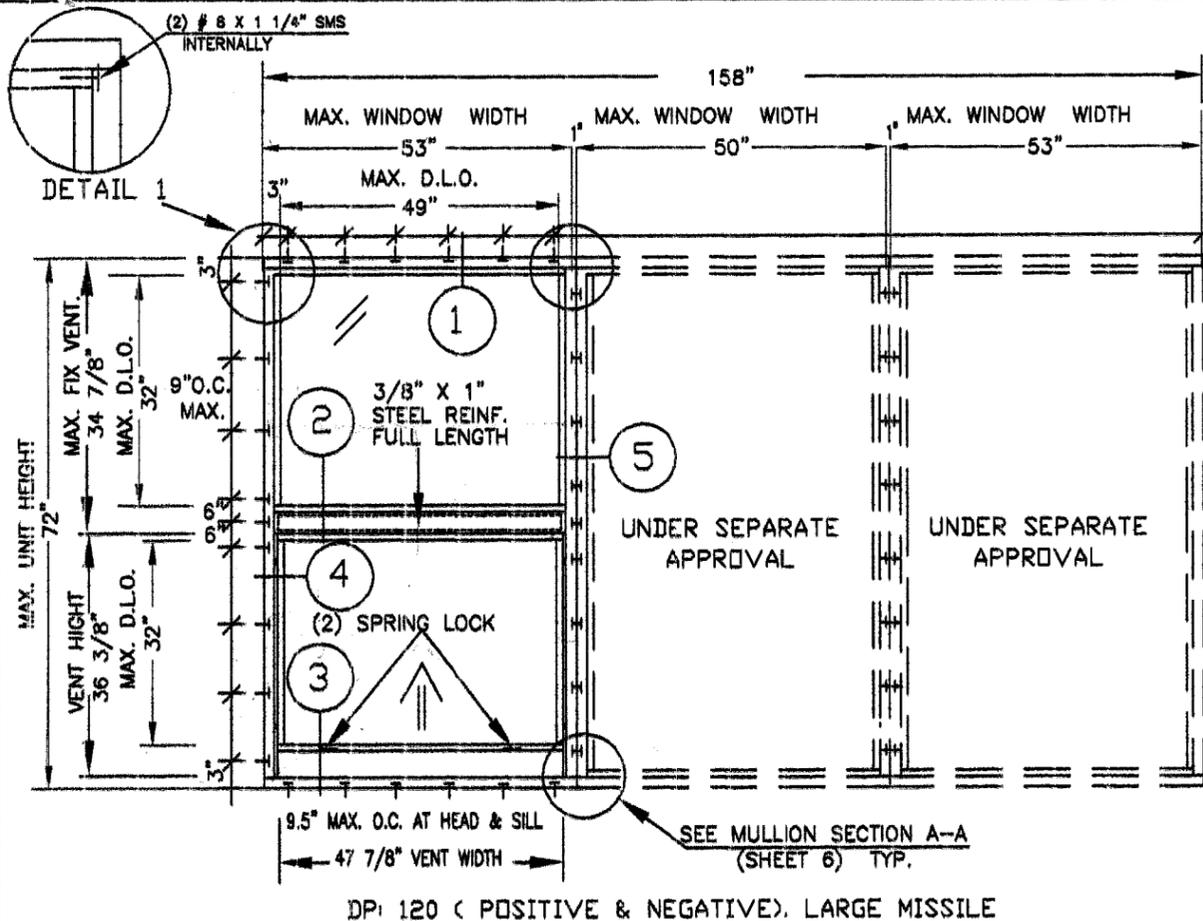
Miami Wall Systems, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- C. CALCULATIONS** (Photo copies from file #03-0303.01)
1. Adoption of work letter dated 05-05-05, signed & sealed by successor engineer Kelvyn Whitfield, P.E.
 2. Anchor Calculations and structural analysis, prepared by Miami Wall Systems, Inc., dated 05-20-03 revised on 07-24-03, signed and sealed by Sifang Zhao, P.E.
 3. Anchor Calculations and structural analysis, prepared by Applied Engineering Concept, Inc., dated 05-29-02, signed and sealed by Kelvyn Whitfield, P.E.
- D. QUALITY ASSURANCE BY:**
1. Miami-Dade County Building Code Compliance Office (BCCO)
- E. MATERIAL CERTIFICATIONS** (Photo copies from file #03-0303.01)
1. Notice of Acceptance No. **01-1204.01** issued to E.I. DuPont DeNemours for "Sentry Glass®", expiring on 01/14/2007.
 2. Notice of Acceptance No. **00-1212.04** issued to E.I. DuPont DeNemours for "Dupont Butacite ® PVB", expiring on 12/12/05.
- F. STATEMENTS**
1. Request letter for revision dated Nov 09, 2004 issued by Miami Wall System, signed by P. Valencia
 2. Statement letter dated 05-05-05 of "Adopting as his own work of another engineer" signed and sealed by Kelvyn Whitfield, P.E.
 3. Statement letter of "No financial letter" and conformance, dated 04-15-05, signed and sealed by Kelvyn Whitfield, P.E.
 4. letter of "No financial letter" and conformance, dtd 07-24-03, signed & sealed by Sifang Zhao, P.E. (copy from file #03-0303.01).
 5. Laboratory compliance letter, as part of the above referenced test reports, issued by Fenestration Testing Laboratory.
- G. OTHER:**
1. This NOA revises # **03-1008.03** expiring August 29, 2008.
 2. Test Proposals from Miami Wall Sys, dated 01-12-04 & 10-26-2004, approved by BCCO
 3. Equal leg Extrusion Drawings :(part # 122-110(die # MWSY-39), part # 122-112 (die # MWSY-38), part # 122-113(die # MWSY-56), part # 122-114(die # MWSY-55))
 4. Other NOA(s) associated with this file are 03-1008.03 & 03-0303.02.

Ishaq I. Chanda 7/12/5

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 04-1122.06
Expiration Date: August 29, 2008
Approval Date: May 26, 2005



DESIGN PRESSURE RATING (P.S.F.)		
	WITH GLAZING OPTION 1 AND WITH STEEL REINFORCEMENT	WITH GLAZING OPTION 2 NO STEEL REINFORCEMENT RQ'D.
POSITIVE	120.0	85.0
NEGATIVE	120.0	85.0

- NOTES:
1. MIAMI WALL FIXED UNITS UNDER SEPARATE APPROVAL. LOWER DESIGN PRESSURE CONTROLS
 2. 1" X 4" P.T. WOOD BUCKS MUST BE ENGINEERED TO TAKE THE WIND LOADS IMPOSED BY WINDOWS AND TO BE REVIEWED BY BUILDING OFFICIAL.
 3. FRAME CORNER, FIXED PANEL & MULLION SEALED W/ SILICONE
 4. GLAZING TO BE LAMINATED BY DUPONT APPROVED LAMINATOR
 5. ALL INSTALLATION FASTENERS MUST BE FACTORY PUNCHED FOR 1/4" DIAM. FLAT HEAD TAPCONS.
 6. EQUAL AND UNEQUAL LEG FRAME CONDITION INCLUDED

MIAMI WALL SYSTEMS, INC.
 701 WEST 26 STREET.
 HIALEAH, FL. 33010
 TEL. (305) 888 2300

SERIES: 122 ALUMINUM SINGLE HUNG WINDOW LARGE MISSILE IMPACT

DATE: 3/10/03
 DWG. BY: J.C.
 SCALE: N/A

DWG. NO.: 122-003
 SHEET 1 OF 6

NO.	DATE	DESCRIPTION
1	05/06/03	AS PER DADE COUNTY
2	07/11/03	AS PER DADE COUNTY
3	11/07/03	ADD VENT & FRAME SILL
4	11/08/04	ADD EQUAL LEG FRAME

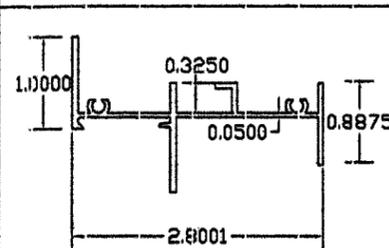
REVISIONS DESCRIPTION

KELVYN WHITFIELD
 P.E. FLORIDA 24140
 MECHANICAL ENGINEER

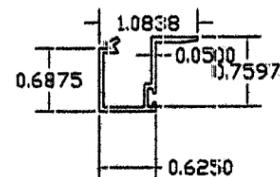
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 4/28/05

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 04-1126-06 Expiration Date August 29, 2008
 By: Ismael I. Chanda
 Miami Dade Product Control Division

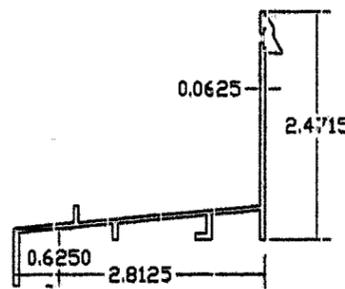
DIMENSIONS IN INCHES- HALF SCALE



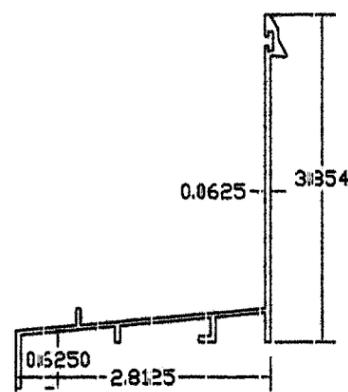
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PART # 1



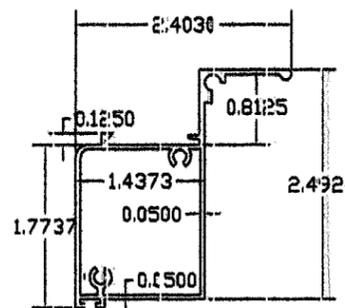
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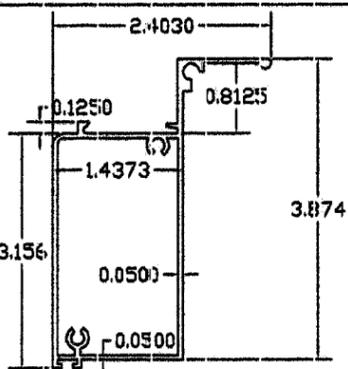
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PART # 2



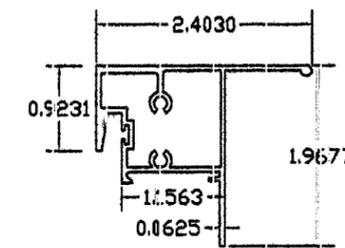
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PART # 2A



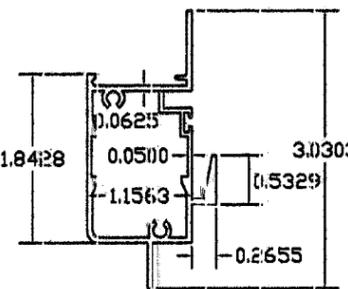
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PART # 6



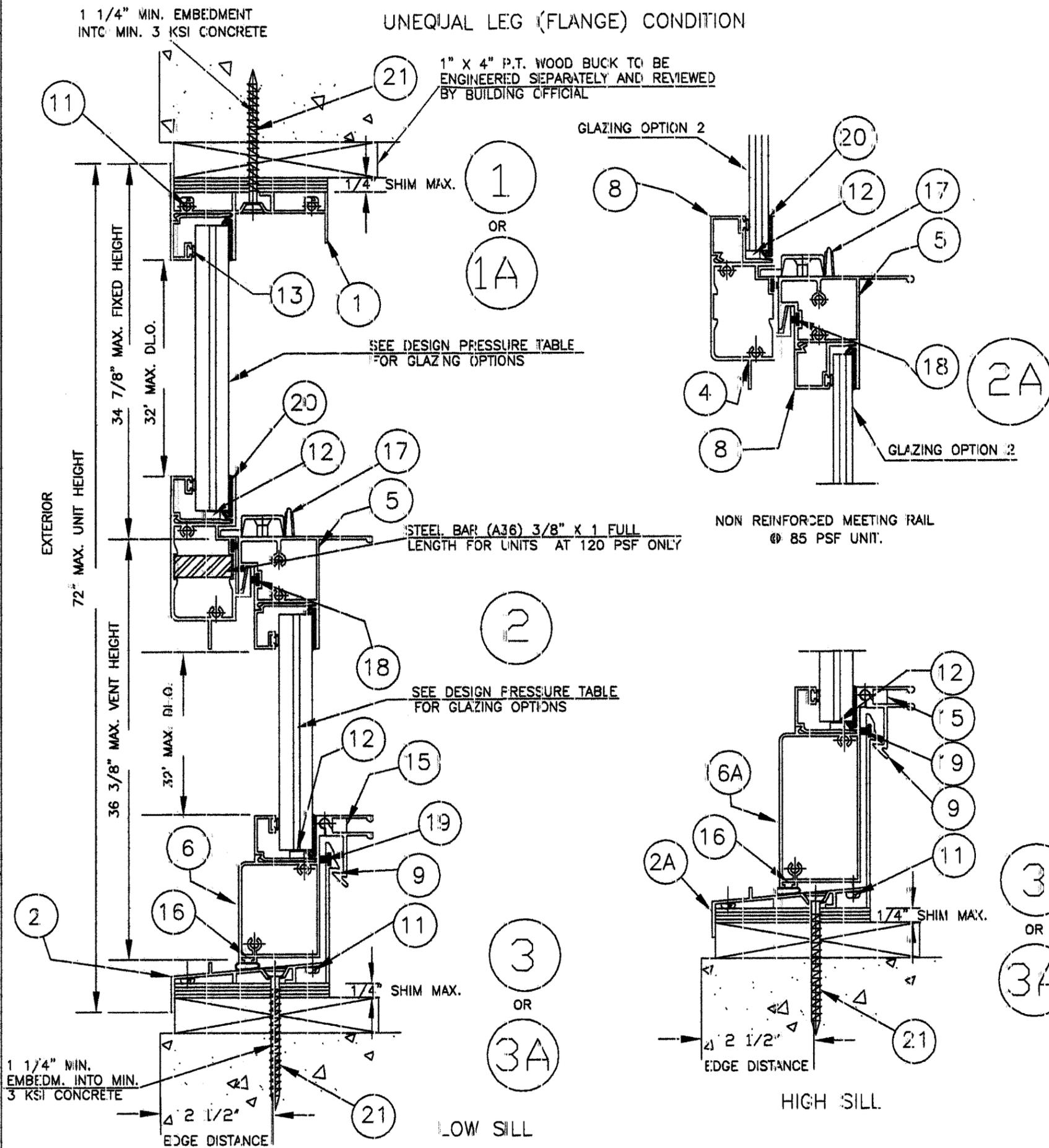
122-006A
PART # 6A



122-005
PART # 5



122-004
PART # 4



MIAMI WALL SYSTEMS, INC.
701 WEST 25 STREET.
HIALEAH, FL. 33010
TEL. (305) 898 2300

**SERIES: 122 ALUMINUM
SINGLE HUNG WINDOW
LARGE MISSILE IMPACT**

DATE: 3/10/03
DWG. BY: J.C.
SCALE: N/A

DWG. NO.: 122-003
SHEET 2 OF 3

NO.	DATE	DESCRIPTION
1	05/05/03	AS PER DADE COUNTY
2	07/11/03	AS PER DADE COUNTY
3	11/07/03	ADD VENT & FRAME FILL
4	11/03/04	ADD EQUAL LEG FRAME

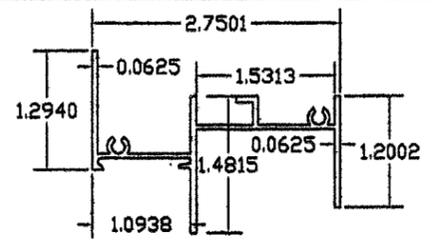
REVISIONS DESCRIPTION

KELVYN WHITFIELD
P.E. FLORIDA 24140
MECHANICAL ENGINEER

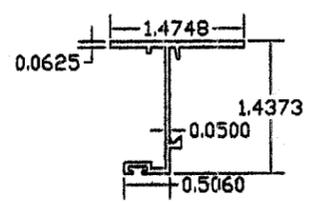
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4/28/05

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 04-1126-06
Expiration Date AUG 29, 2008

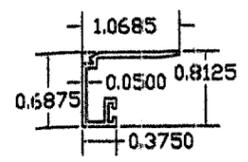
By *[Signature]*
Miami Dade Product Control
Division



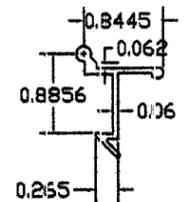
122-003
PART # 3



122-007
PART # 7



122-010
PART # 10



122-009
PART # 9

MIAMI WALL SYSTEMS, INC.
701 WEST 26 STREET.
HIALEAH, FL. 33010
TEL. (305) 838 2800

**SERIES: 122 ALUMINUM
SINGLE HUNG WINDOW
LARGE MISSILE IMPACT**

DATE: 3/10/03
DWG. BY: J.C.
SCALE: N/A

EWG. NO.: 122-003

SHEET 3 OF 6

NO.	DATE	DESCRIPTION
1	05/03/03	AS PER DADA COUNTY
2	07/11/03	AS PER DADA COUNTY
3	11/07/03	ADD VENT & FRAME SILL
4	11/03/04	ADD EQUAL LEG FRAME

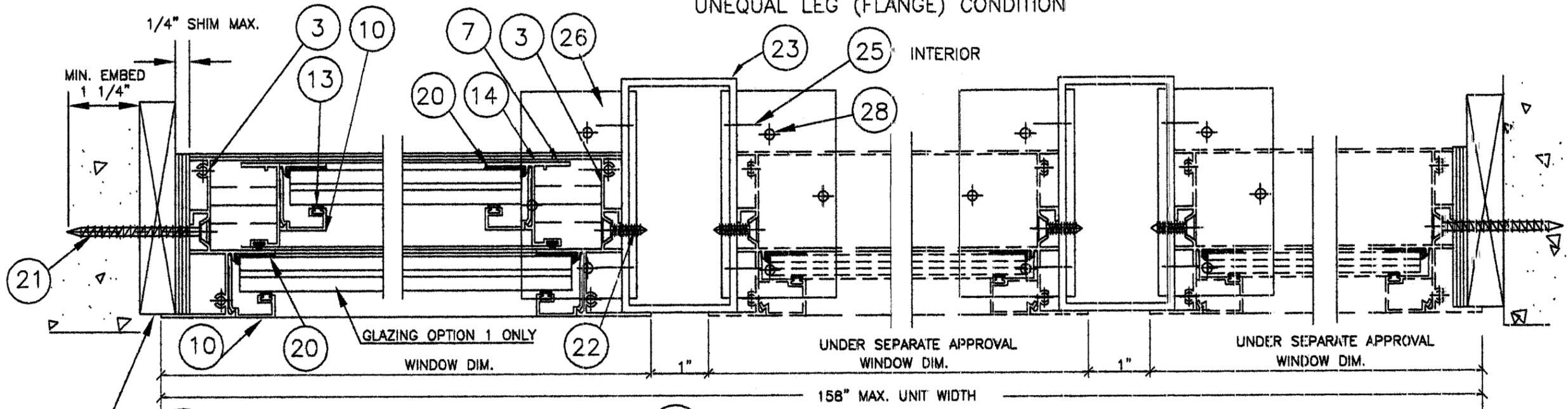
REVISIONS DESCRIPTION

**KELVYN WHITFIELD
P.E. FLORIDA 24140
MECHANICAL ENGINEER**

[Signature]
4/28/05

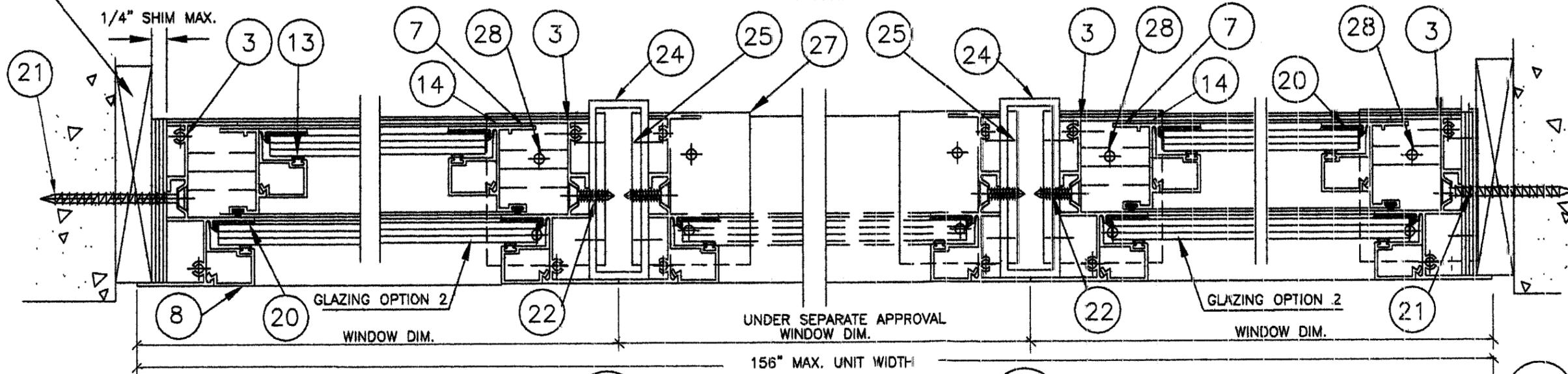
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 04-1126-06
Expiration Date April 29, 2008
By Isaac I. Chande
Miami Dade Product Control
Division

UNEQUAL LEG (FLANGE) CONDITION



5 120PSF HORIZONTAL CROSS SECTION

**UNEQUAL LEG (FLANGE) CONDITION
INTERIOR**

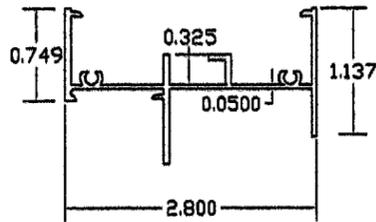
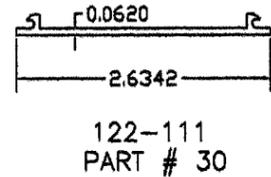
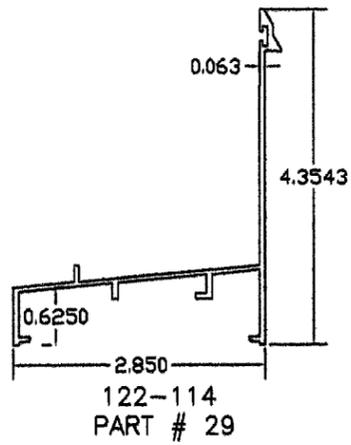


6A 85PSF HORIZONTAL CROSS SECTION 6A

1" X 4" P.T. WOOD BUCK TO BE ENGINEERED
SEPARATELY AND REVIEWED BY BUILDING OFFICIAL

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 04-1126-06
Expiration Date April 29, 2008
By Isaac I. Chande
Miami Dade Product Control
Division

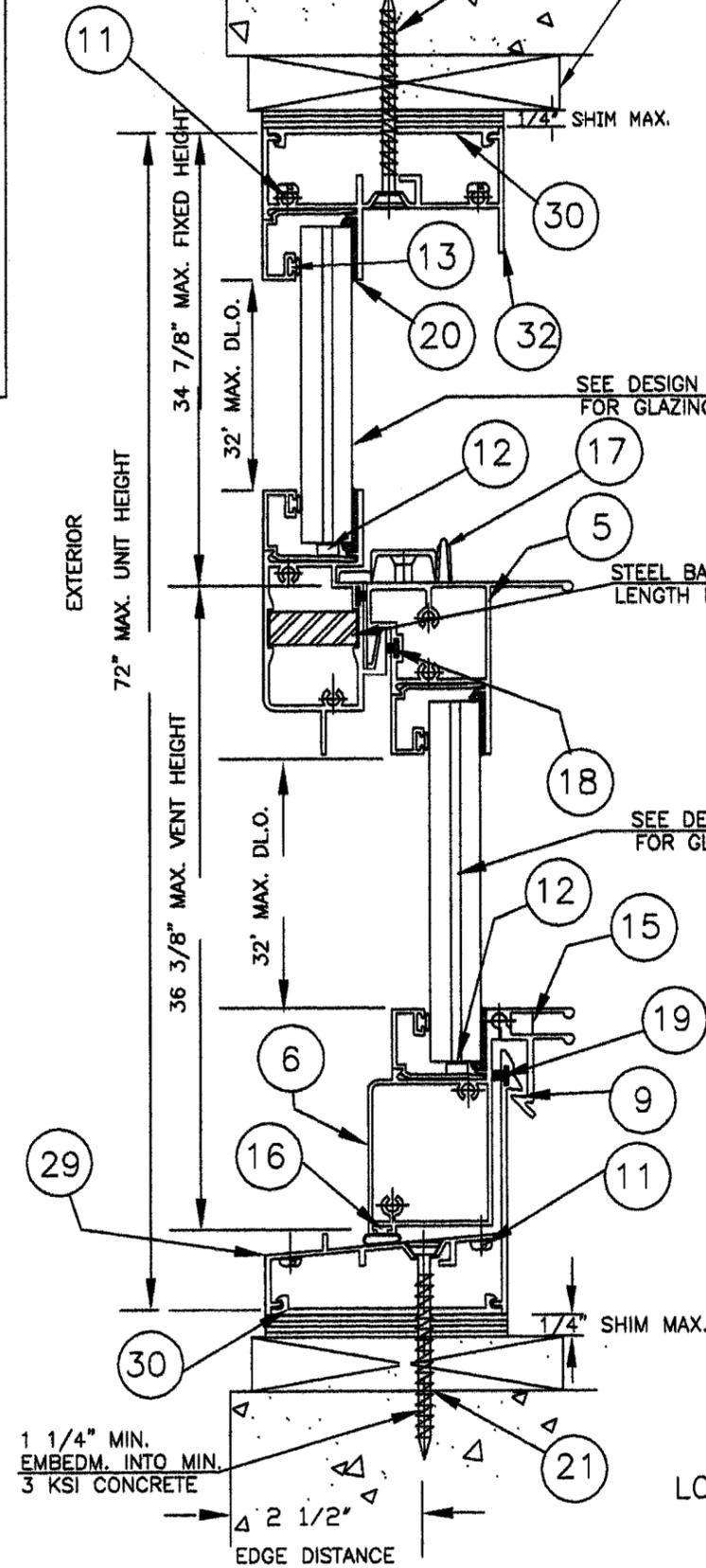
DIMENSIONS IN INCHES— HALF SCALE



1 1/4" MIN. EMBEDMENT INTO MIN. 3 KSI CONCRETE

EQUAL LEG CONDITION

1" X 4" P.T. WOOD BUCK TO BE ENGINEERED SEPARATELY AND REVIEWED BY BUILDING OFFICIAL

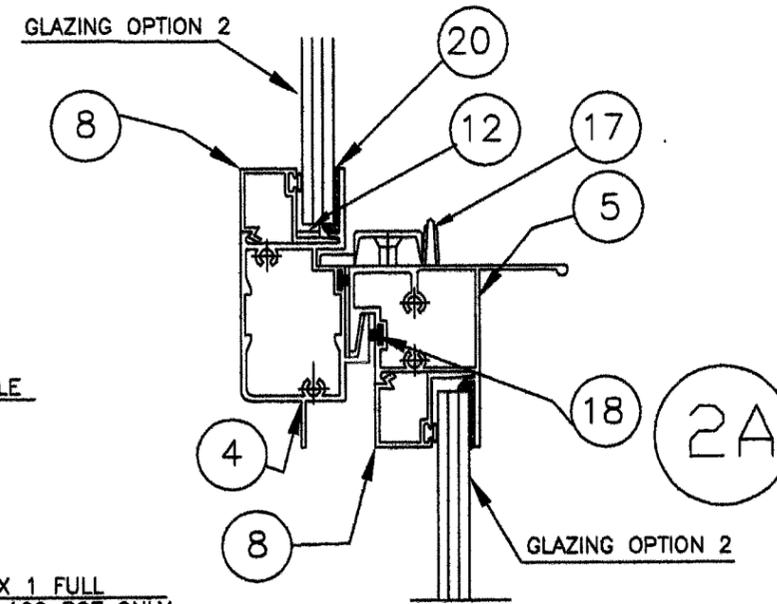


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OR
1A

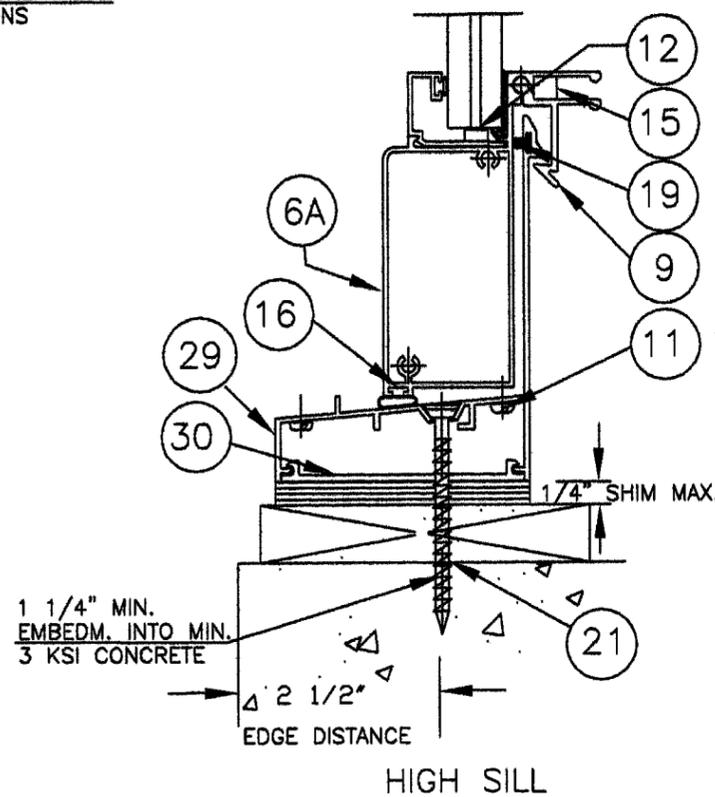
2

3
OR
3A

GLAZING OPTION 2



2A



3
OR
3A

MIAMI WALL SYSTEMS, INC.
701 WEST 25 STREET.
HIALEAH, FL. 33010
TEL. (305) 888 2300

SERIES: 122 ALUMINUM SINGLE HUNG WINDOW LARGE MISSILE IMPACT

DATE: 3/10/03
DWG. BY: J.C.
SCALE: N/A

DWG. NO.: 122-003

SHEET 4 OF 6

NO.	DATE	DESCRIPTION
1	05/06/03	AS PER DADE COUNTY
2	07/11/03	AS PER DADE COUNTY
3	11/07/03	ADD VENT & FRAME SILL
4	11/08/04	ADD EQUAL LEG FRAME

REVISIONS DESCRIPTION

KELVYN WHITFIELD
P.E. FLORIDA 24140
MECHANICAL ENGINEER

[Signature]
4/28/05

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 04-1126-06
Expiration Date April 29, 2008
By Ishaq I. Chanda
Miami Dade Product Control Division

MIAMI WALL SYSTEMS, INC.
 701 WEST 25 STREET.
 HIALEAH, FL. 33010
 TEL. (305) 888 2300

**SERIES: 122 ALUMINUM
 SINGLE HUNG WINDOW
 LARGE MISSILE IMPACT**

DATE: 3/10/03
 DWG. BY: J.C.
 SCALE: N/A

DWG. NO.: 122-003

SHEET 5 OF 6

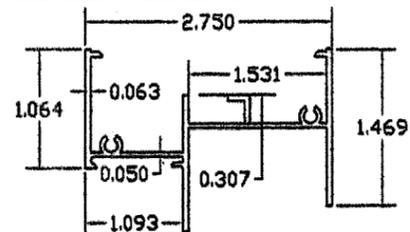
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2	07/11/03	AS PER DADE COUNTY
3	11/07/03	ADD VENT & FRAME SILL
4	11/08/04	ADD EQUAL LEG FRAME

REVISIONS DESCRIPTION

**KELVYN WHITFIELD
 P.E. FLORIDA 24140
 MECHANICAL ENGINEER**

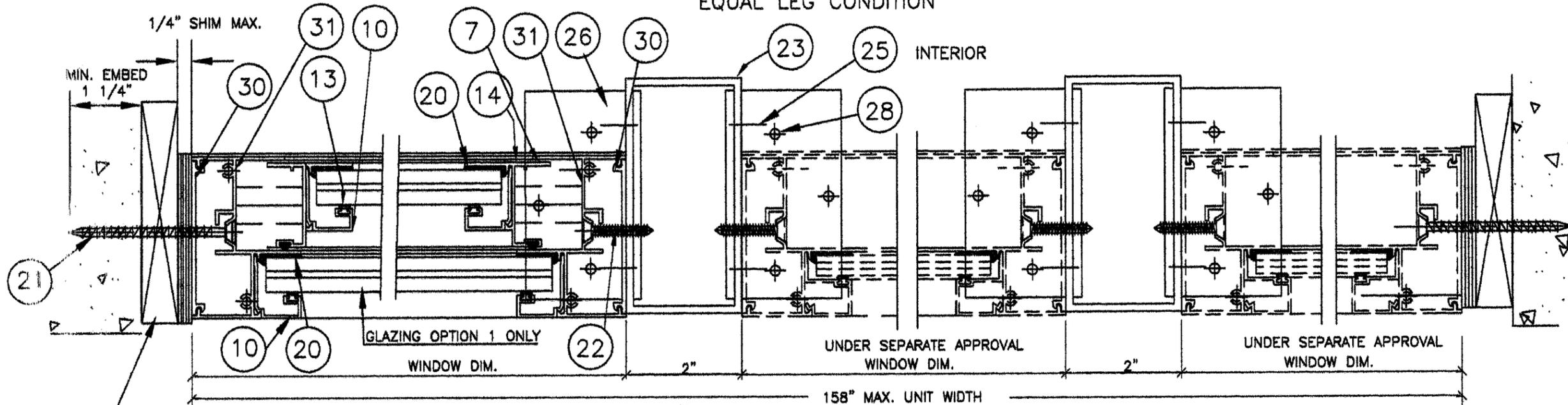
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 4/28/05

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 04-1126-06
 Expiration Date: 04/29/2008
 By: Ismael I. Chando
 Miami Dade Product Control
 Division



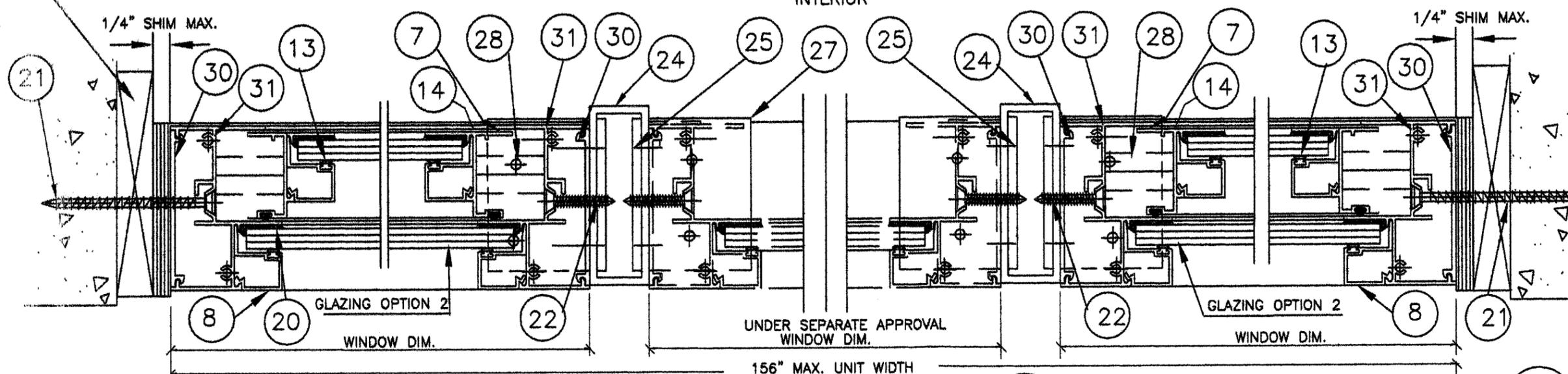
122-113
 PART # 31

EQUAL LEG CONDITION



120 PSF HORIZONTAL CROSS SECTION

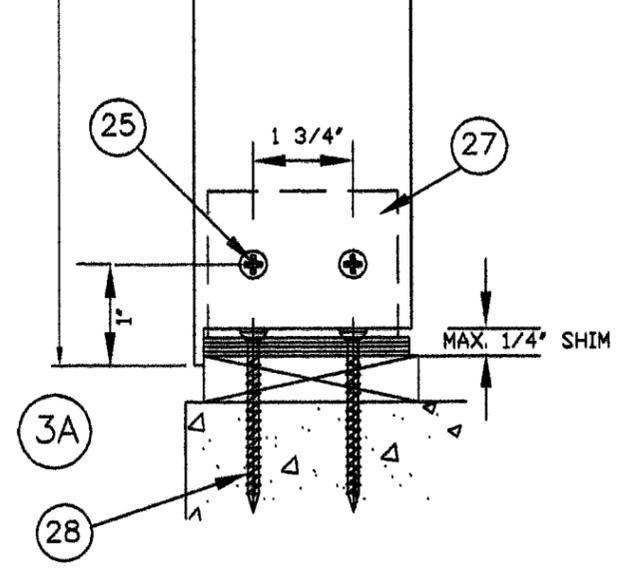
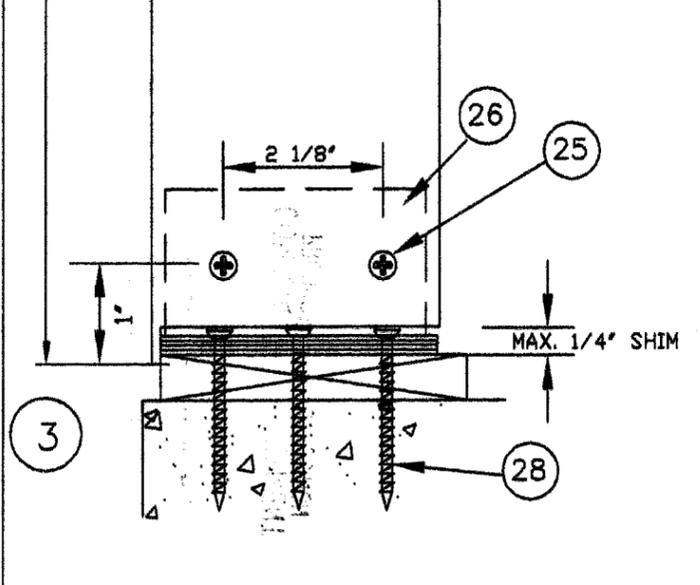
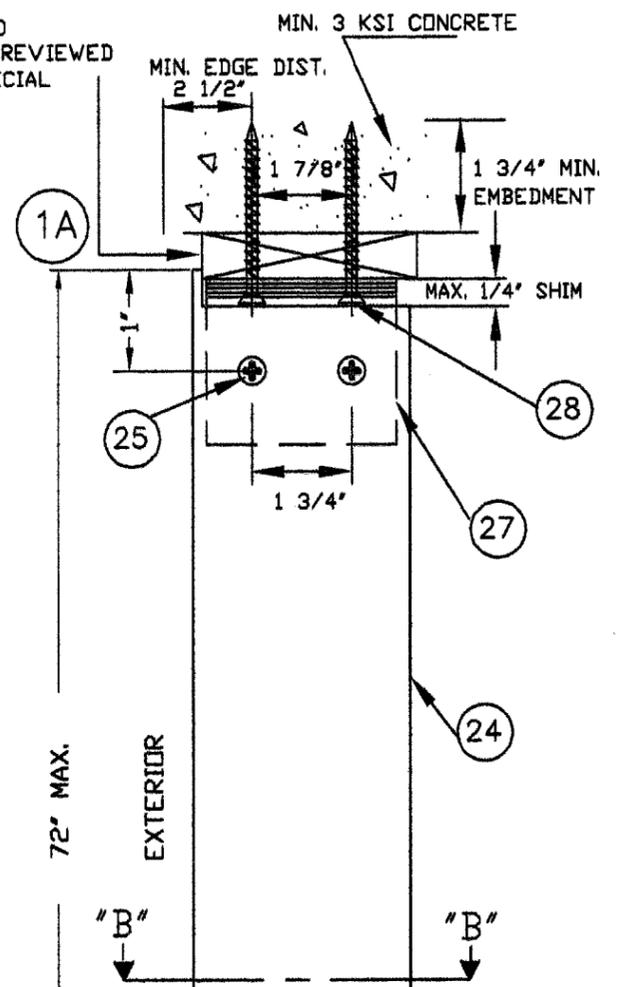
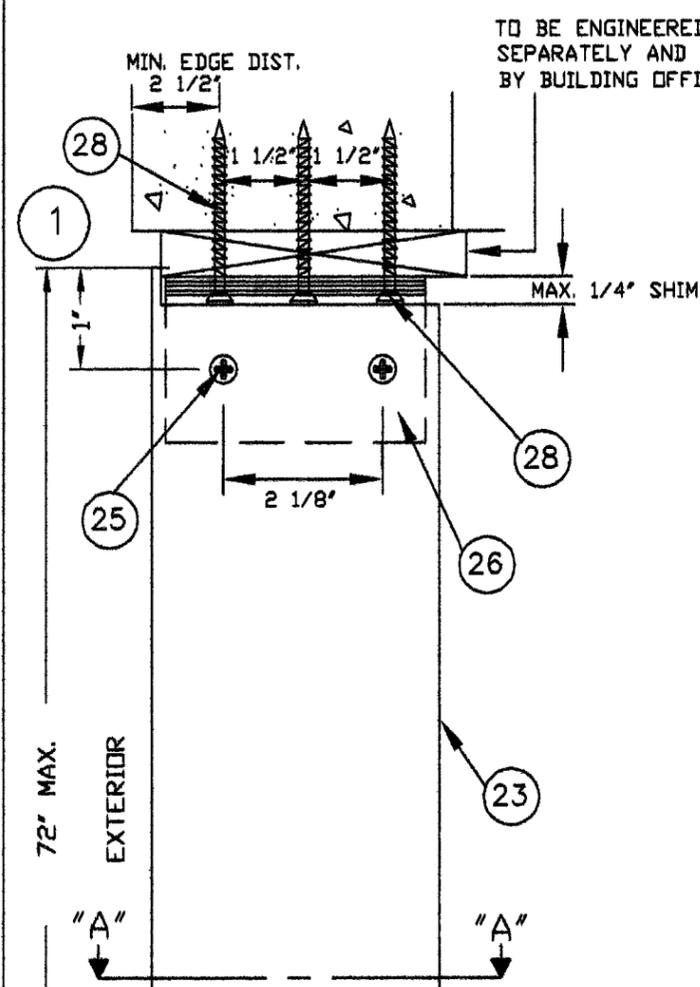
**EQUAL LEG CONDITION
 INTERIOR**



85 PSF HORIZONTAL CROSS SECTION

1" X 4" P.T. WOOD BUCK TO BE ENGINEERED
 SEPARATELY AND REVIEWED BY BUILDING OFFICIAL

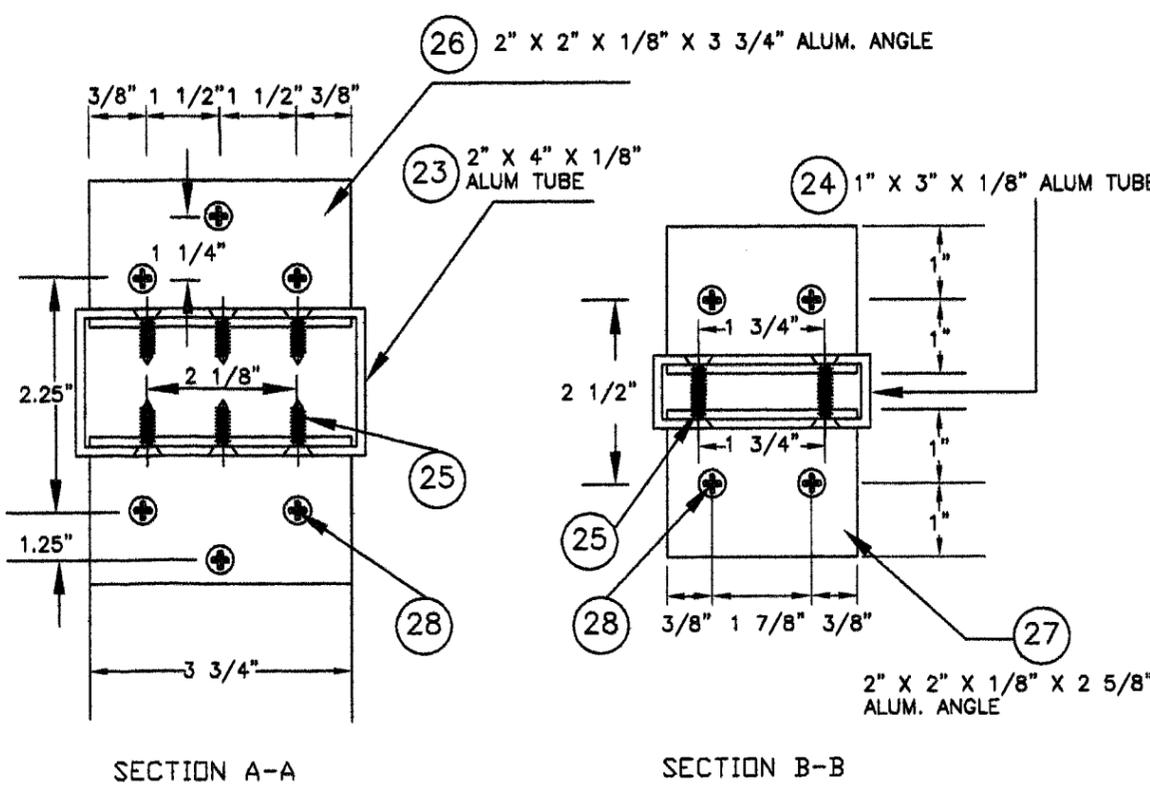
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 04-1126-06
 Expiration Date: 04/29/2008
 By: Ismael I. Chando
 Miami Dade Product Control
 Division



2" X 4" MULLION TO BE USED WITH DP: 120 PSF (POSITIVE & NEGATIVE)

1" X 3" MULLION TO BE USED WITH DP: 85 PSF (POSITIVE & NEGATIVE)

ITEM NO.	PART NO.	REQUIRED	PART NAME	REMARKS
1	122-001	1	HEAD ALUM. 6005 T-5	
2	122-002	1	LOW SILL ALUM. 6005 T-5	
2A	122-002A	1	HIGH SILL ALUM. 6005 T-5	UP GRADE
3	122-003	2	JAMB ALUM. 6005 T-5	
4	122-004	1	MEETING RAIL ALUM. 6005 T-5	
5	122-005	1	VENT TOP ALUM. 6005 T-5	
6	122-006	1	LOW VENT BOTTOM ALUM. 6005 T-5	
6A	122-006A	1	HIGH VENT BOTTOM ALUM. 6005 T-5	UP GRADE
7	122-007	2	VENT JAMB ALUM. 6005 T-5	
8	122-008	8	GLAZING BEAD ALUM. 6005 T-5	1/4" & 5/16 GLASS TK.
9	122-009	2	LOCK ALUM. 6005 T-5	AT BOTTOM RAIL
10	122-010	2	GLAZING BEAD	7/16" & 9/16" GLASS TK.
11		12	FRAME ASSEMBLY SCREWS	#8 X 1 1/4" PHSMS S/S
12		2 PER SILL	SETTING BLOCK (NEOPRENE)	1/8" X 1/4" X 4"
13	122-101	4	BEAD BULB VINYL	
14	122-150	4/VENT	HORIZ. VENT GUIDE	
15	122-151	2/VENT	LOCK SPRING	
16		16	BOTTOM VENT BULB VINYL	
17		2/VENT	CAM LOCK BY MWS	
18			FIN SEAL .180 HIGH	
19			FIN SEAL .25 HIGH	
20			GLAZING SILICONE	GE 4000, DOW CORNING 995, GE 2800
21	SEE ELEV.		INSTALLATION FASTENERS ITW	1/4" FH ITW TAPCONS
22	SEE ELEV.		JAMB/MULLION FASTENERS	#12 X 3/4" FH SMS
23			2" X 4" X 1/8" ALUM TUBE ALUM. 6063-T5	TESTED AT 120 psf
24			1" X 3" X 1/8" ALUM TUBE ALUM. 6063-T5	TESTED AT 90 psf
25		2/CLIP	ANGLE/MULLION FASTENERS	#12 X 3/4" FH GRADE 5
26			ANGLE CLIP (120 PSF) ALM. 6063 T-5	
27			ANGLE CLIP (85.0 PSF) ALM. 6063 T-5	
28			MULLION ANGLE INSTALLATIONS FASTENERS 1/4" ITW	
29	122-114	1	EQUAL SILL ALUM. 6005 T-5	EQUAL LEG OPTION
30	122-111	4	COVER PLATE ALUM. 6005 T-5	EQUAL LEG OPTION
31	122-113	2	EQUAL LEG FR. JAMB 6005 T-5	EQUAL LEG OPTION
32	122-110	1	EQUAL LEG FR. HEAD 6005 T-5	EQUAL LEG OPTION



MIAMI WALL SYSTEMS, INC.
701 WEST 25 STREET.
HIALEAH, FL. 33010
TEL. (305) 888 2300

SERIES: 122 ALUMINUM SINGLE HUNG WINDOW LARGE MISSILE IMPACT

DATE: 3/10/03
DWG. BY: J.C.
SCALE: N/A

DWG. NO.: 122-003
SHEET 6 OF 6

NO.	DATE	DESCRIPTION
1	05/06/03	AS PER DADE COUNTY
2	07/11/03	AS PER DADE COUNTY
3	11/07/03	ADD VENT & FRAME SILL
4	11/08/04	ADD EQUAL LEG FRAME

REVISIONS DESCRIPTION

KELVYN WHITFIELD
P.E. FLORIDA 24140
MECHANICAL ENGINEER

[Signature]
4/28/05

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 04-1126-06
Expiration Date 04/29/2008
By: *[Signature]*
Miami Dade Product Control Division