



**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)**

**Miami Wall Systems, Inc.  
701 West 25<sup>th</sup> 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 the High Velocity Hurricane Zone.

**DESCRIPTION: Series 106 Aluminum Horizontal Sliding Window- Large Missile**

**APPROVAL DOCUMENT:** Drawing No. **MWS-106-LM**, titled "Series 106 Horizontal Rolling Window Large Missile Impact", sheets 1 through 6 of 6, dated 11/12/04 with revision "1" dated 1/5/5, prepared by manufacturer, signed and sealed by Kelvyn Whitfield, 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 and Small Missile 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 consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



**NOA No 04-1122.02  
Expiration Date: February 03, 2010  
Approval Date: February 03, 2005  
Page 1**

**Miami Wall Systems, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No MWS-106-LM, Sheets 1 through 6 of 6, titled "Series 106 Horizontal Rolling Window Large Missile Impact" dated 11/12/04 with revision #1 dated 1/5/5, signed and sealed by Kelvyn Whitfield, P.E.

**B. TESTS**

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
2) Large Missile Im`ct Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4359**, dated 10/19/04, signed and sealed by Edmundo 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) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1 (b) and TAS 202-94  
along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4361**, dated 10/15/04, signed and sealed by Edmundo Largaespada, P.E.

**C. CALCULATIONS**

1. Anchor Calculations, ASTM- E1300, and structural analysis, dated 11/12/04, prepared, signed and sealed by Kelvyn Whitfield, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

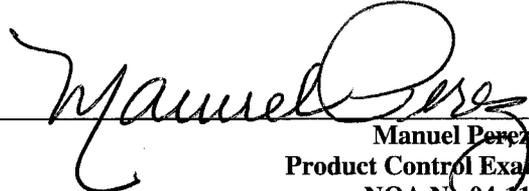
1. Notice of Acceptance No. **02-0828.15**, issued to E.I. DuPont DeNemours for their "Dupont Butacite ® PVB", approved on 11/21/02 and expiring on 12/11/05.

**F. STATEMENTS**

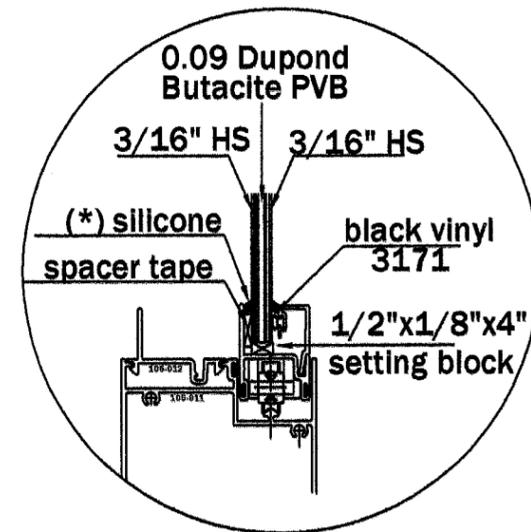
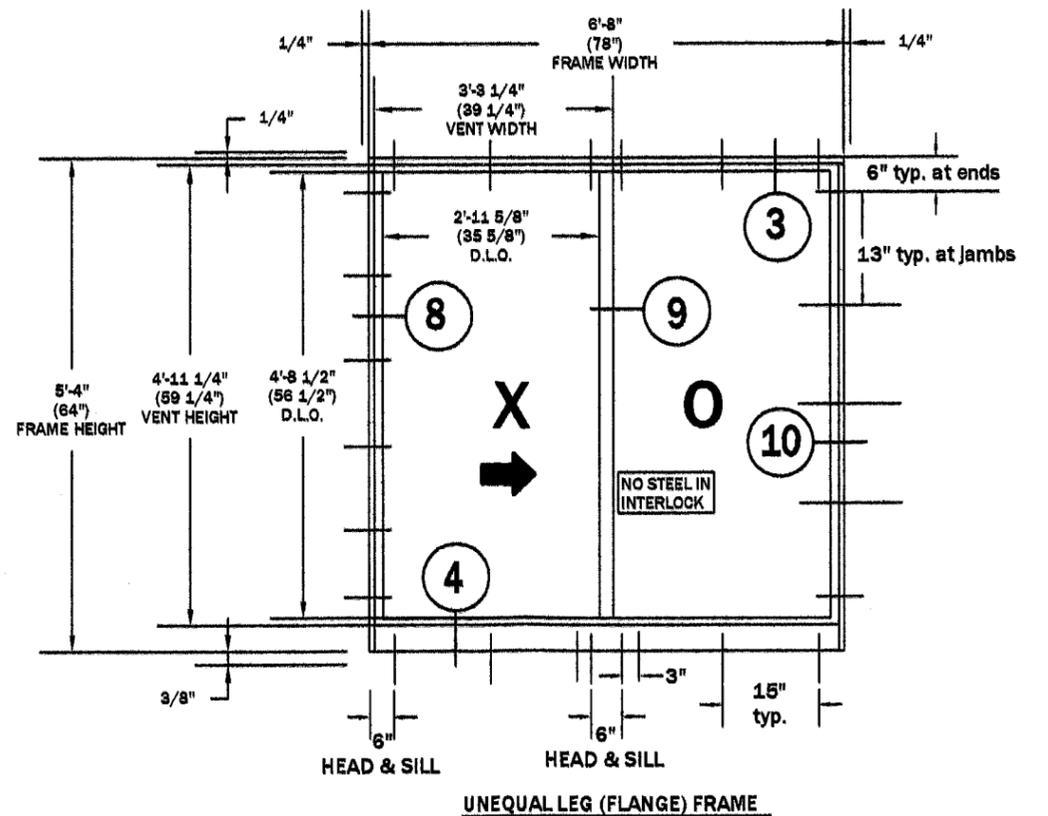
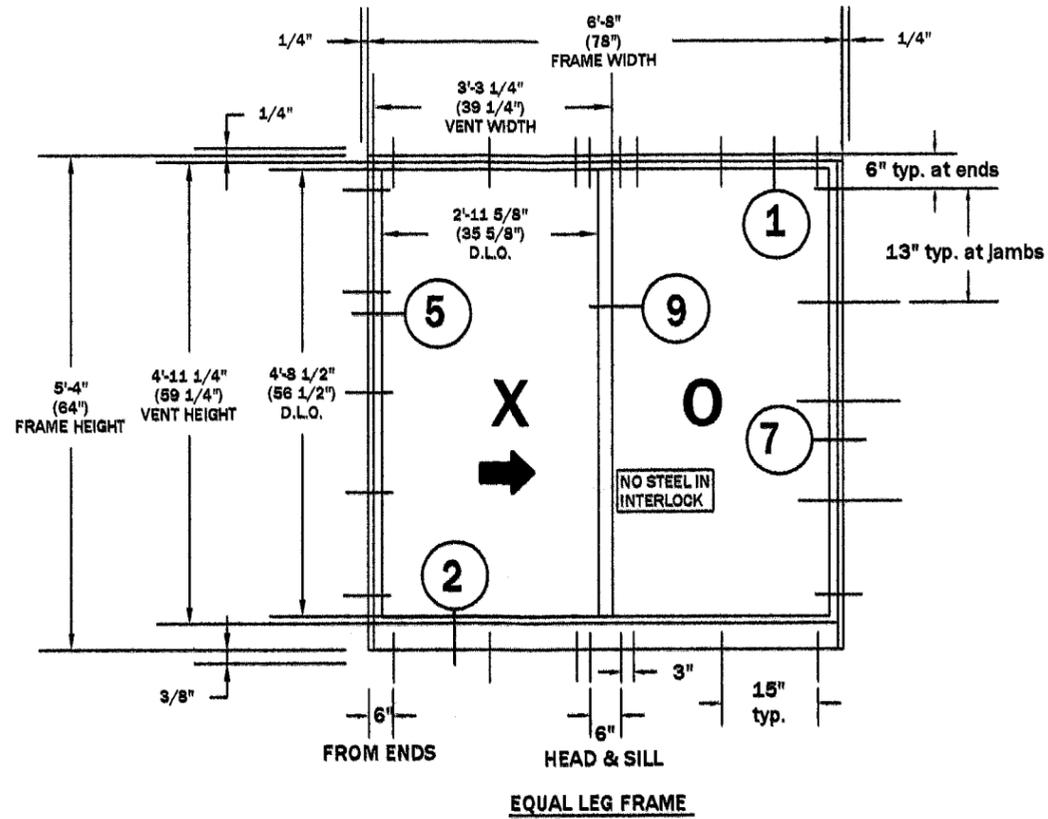
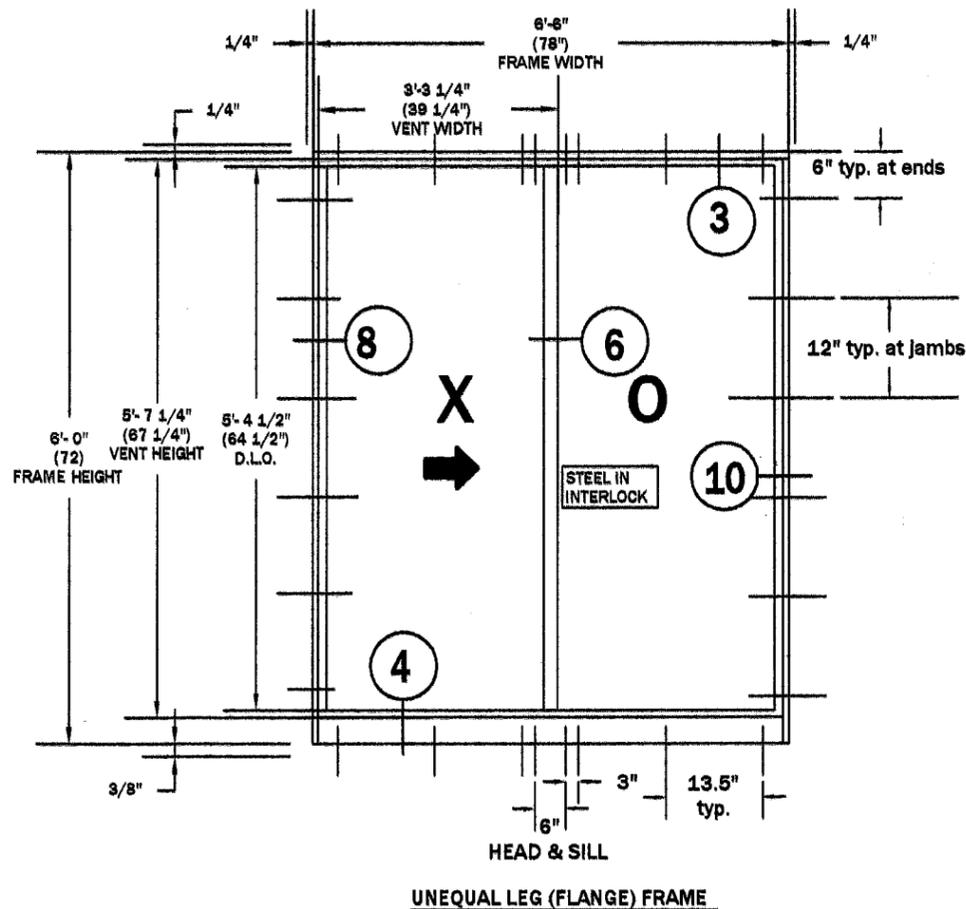
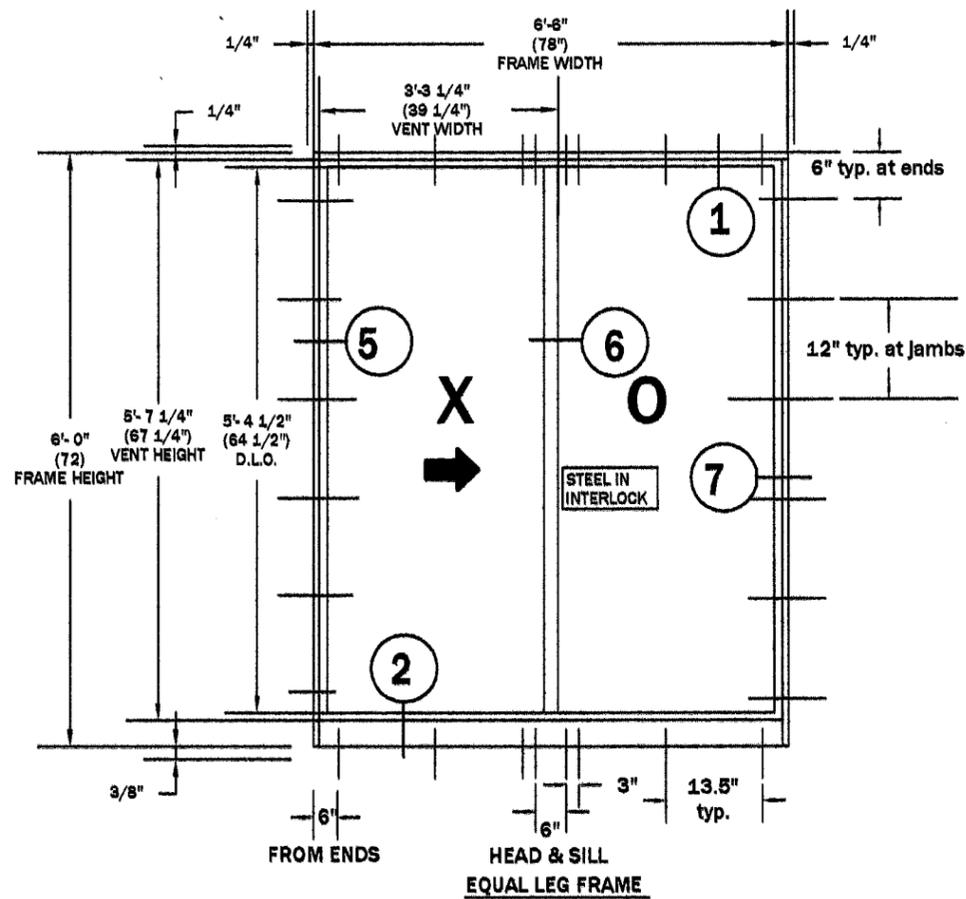
1. Statement letter of conformance and no financial interest, dated 11/12/04, signed and sealed by Kelvyn Whitfield, P.E.

**G. OTHER**

1. Letter from the consultant stating that the product is in compliance with Florida Building Code (FBC).

  
\_\_\_\_\_  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 04-1122.02

Expiration Date: February 03, 2010  
Approval Date: February 03, 2005



**GLAZING DETAIL**

(\* See bill of materials (28) for approved silicone

DESIGN PRESSURE RATING	
POSITIVE	NEGATIVE
90.0 PSF	90.0 PSF

- NOTES:**
1. WOOD BUCKS TO BE PRETREATED WOOD AND MUST BE ENGINEERED TO TAKE WIND LOADS IMPOSED BY WINDOWS
  2. BASED ON TEST REPORTS : FTL 4359, FTL 4361
  3. GLASS TO BE LAMINATED BY DUPOND APPROVED LAMINATOR
  4. ALL FRAME AND VENT CORNERS TO BE FACTORY SEALED

Approved as complying with the Florida Building Code  
 Date Feb. 3, 2005  
 NOA# 04-1122-02  
 Miami Dade Product Control  
 Division  
 By James Perez

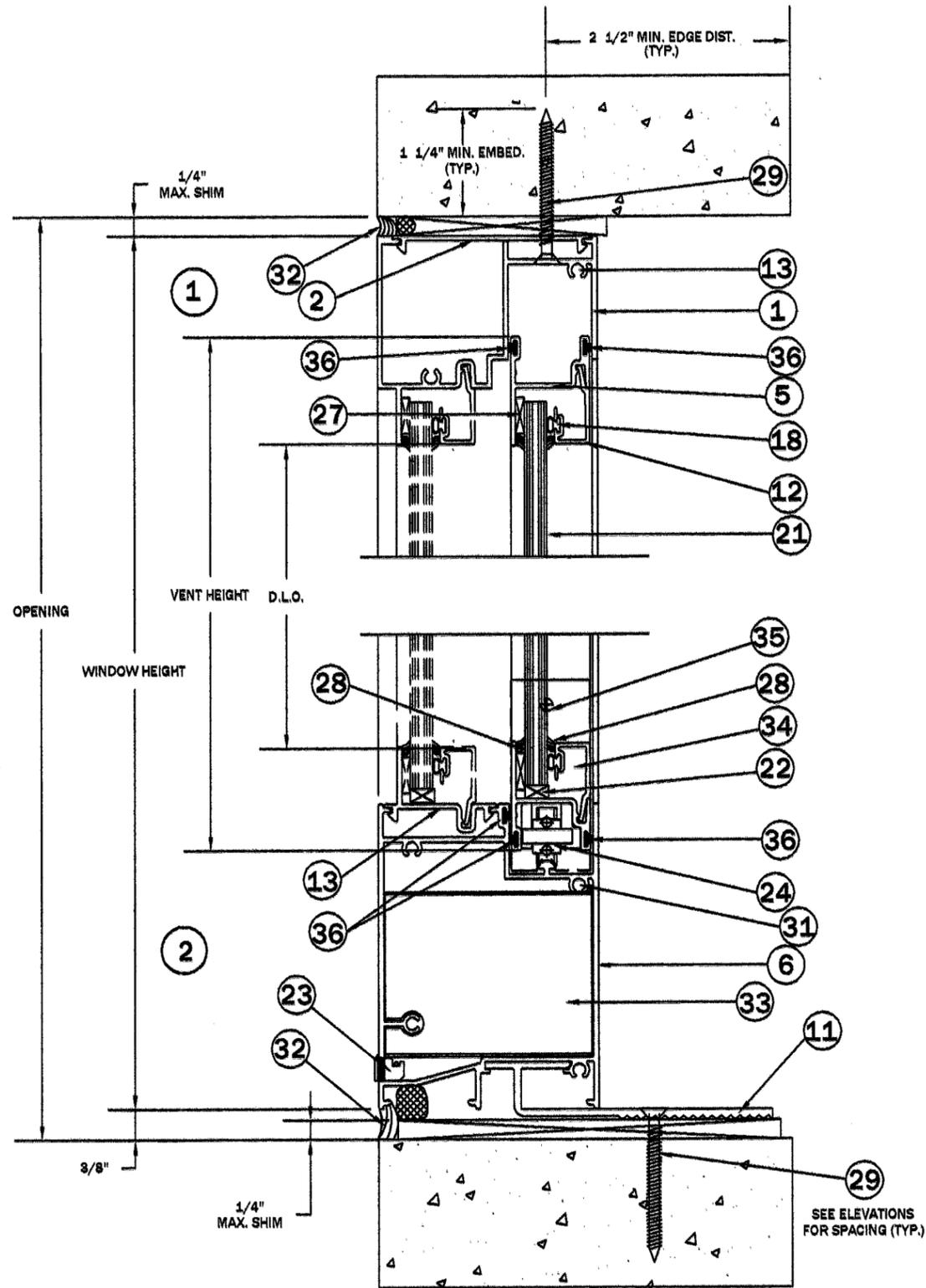
KELVYN WHITFIELD, P.E.  
 MECHANICAL ENGINEER, FL 24140  
[Signature]  
 01/05/05  
 KELVYN WHITFIELD P.E.  
 FLORIDA NO. 24140  
 1002 NE 116 STREET  
 MIAMI, FL 33161-6744

**Miami Wall Systems, Inc.**  
 701 West 25th street  
 Hialeah, Florida. 33010  
 Phone: (305) 888-2300 Fax: (305) 888-3058

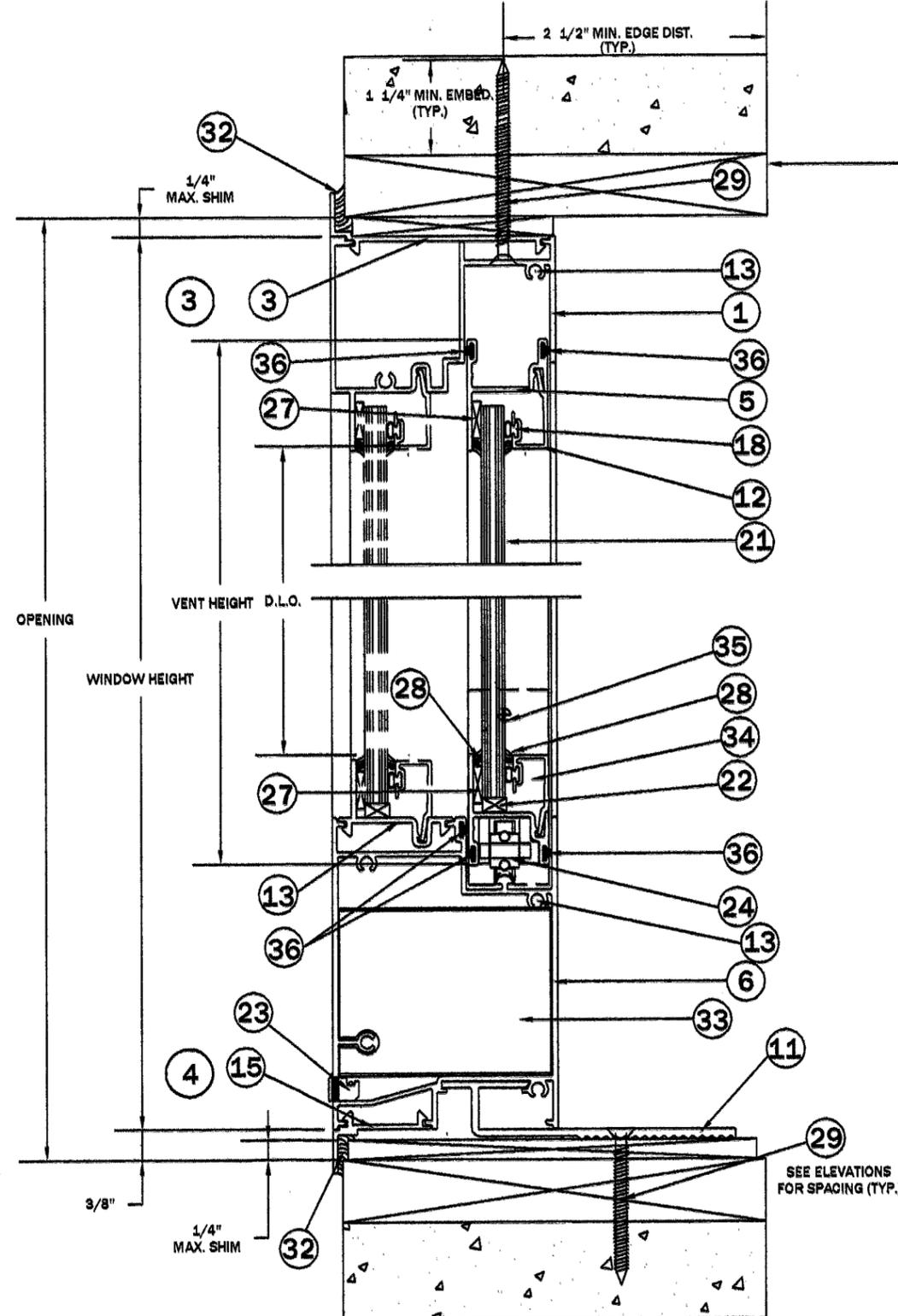
DRAWING : MWS -106-LM  
 SERIES 106  
 HORIZONTAL ROLLING WINDOW  
 LARGE MISSILE IMPACT

NO.	DATE	PER BCCO COMMENTS
1	11/12/04	

DATE: 11/12/04  
 SCALE: NONE  
 DWG. BY: JG  
 CHK. BY: PV  
 DWG NO.: MWS-106-LM  
 SHEET 1 OF 6



**EQUAL LEG FRAME**



**FLANGE LEG FRAME**

Approved as complying with the  
 Florida Building Code  
 Date FEB. 3, 2005  
 NOAH 04-1122.02  
 Miami Dade Product Control  
 Division  
 By: *Manuel Perez*

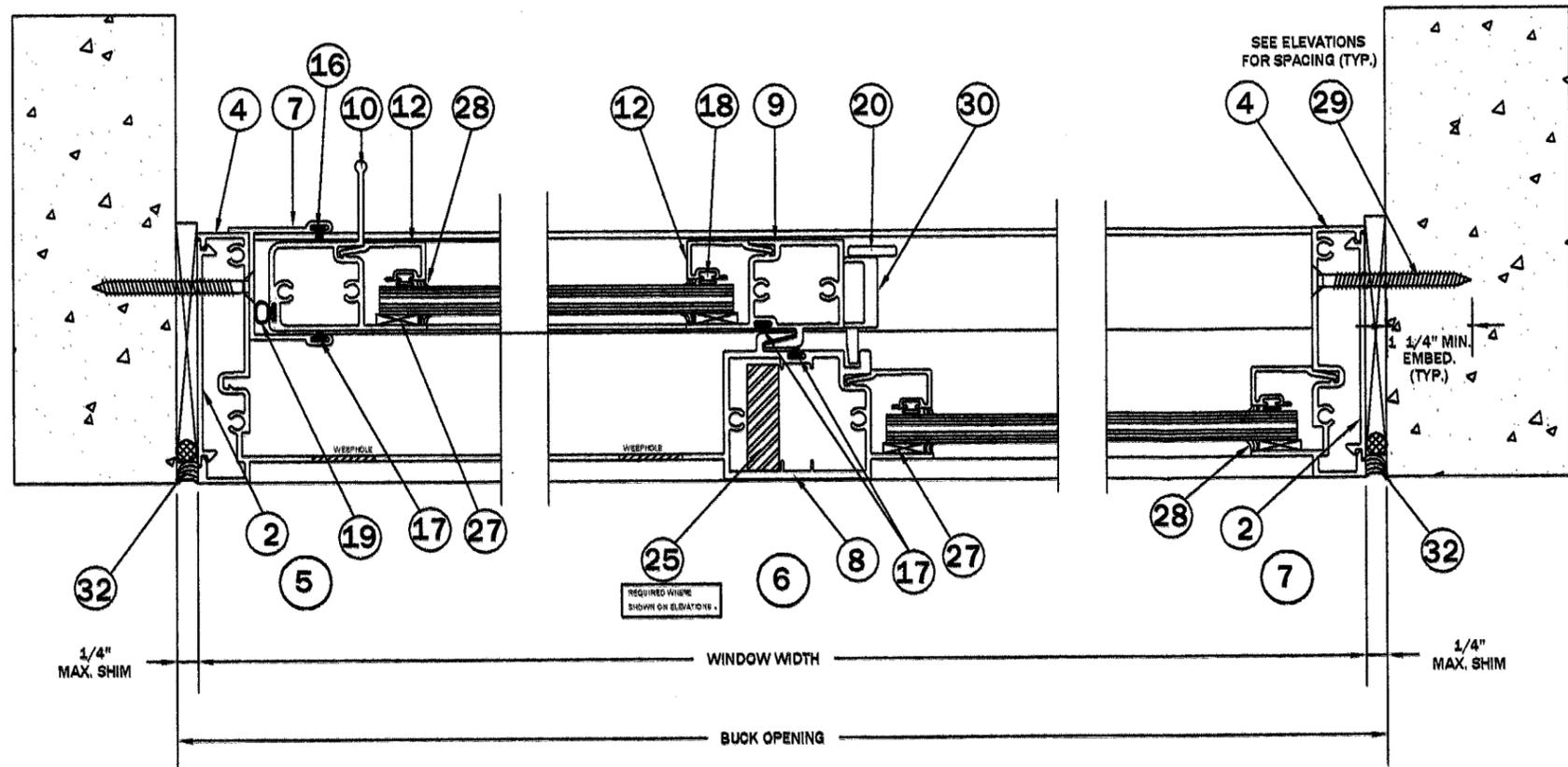
KELVYN WHITFIELD, P.E.  
 MECHANICAL ENGINEER, FL 24140  
*Kelvyn Whitfield*  
 01/05/05  
 KELVYN WHITFIELD P.E.  
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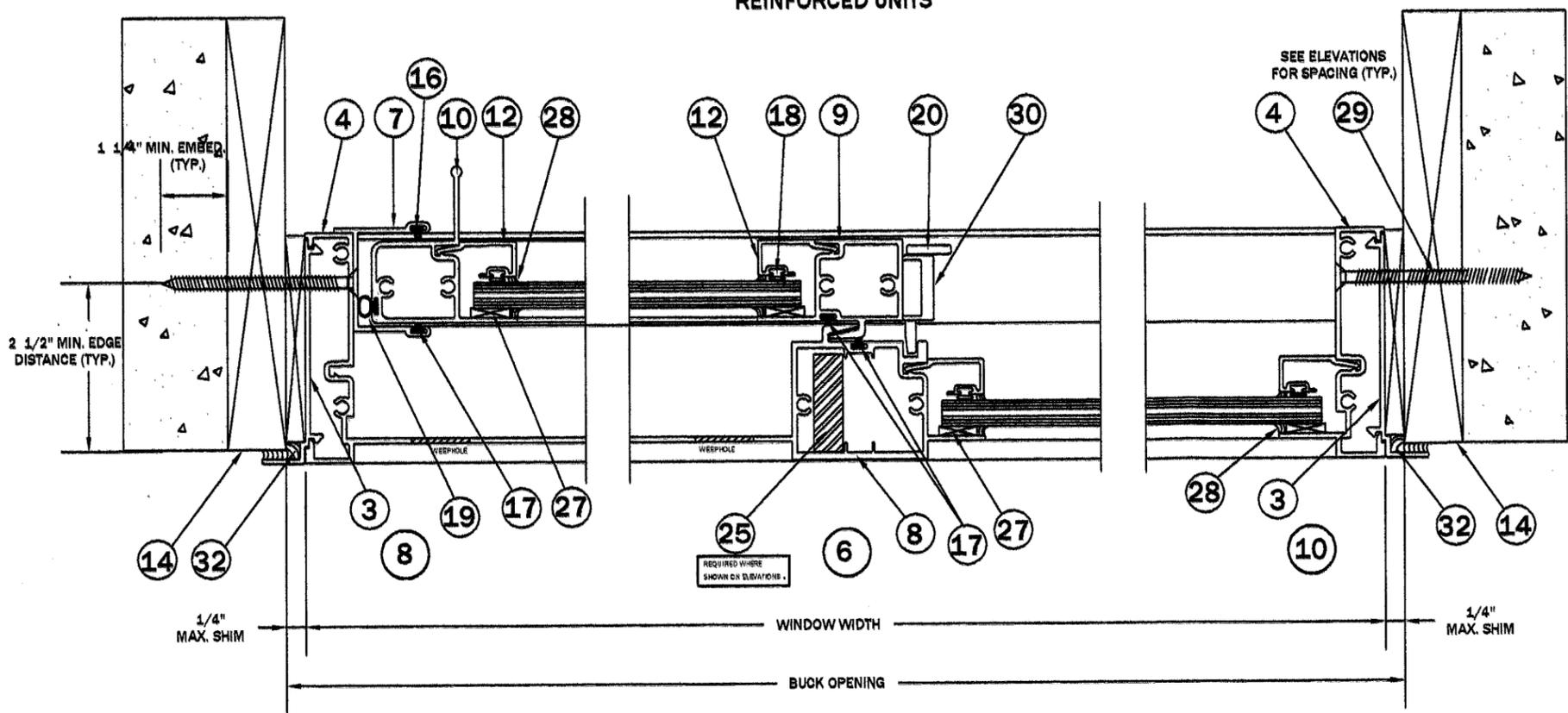
DRAWING : MWS -106-LM  
 SERIES 106  
 HORIZONTAL ROLLING WINDOW  
 LARGE MISSILE IMPACT

NO.	DATE	REVISION
1	11/12/04	

DATE: 11/12/04  
 SCALE: 1/2"=1'-0"  
 DWG. BY: J.G.  
 CHK. BY: P.V.  
 DWG NO.: MWS-106-LM  
 SHEET 2 OF 6



**EQUAL LEG FRAME  
REINFORCED UNITS**



**FLANGE LEG FRAME  
REINFORCED UNITS**

Approved as complying with the  
Florida Building Code  
Date FEB. 3, 2005  
NOA# 04-1122-02  
Miami Dade Product Control  
Division  
By: *Manuel Perez*

KELVYN WHITFIELD, P.E.  
MECHANICAL ENGINEER, FL 24140  
*Whitfield*  
or 05/05  
KELVYN WHITFIELD P.E  
FLORIDA NO. 24140  
1002 NE 116 STREET  
MIAMI, FL 33161-6744

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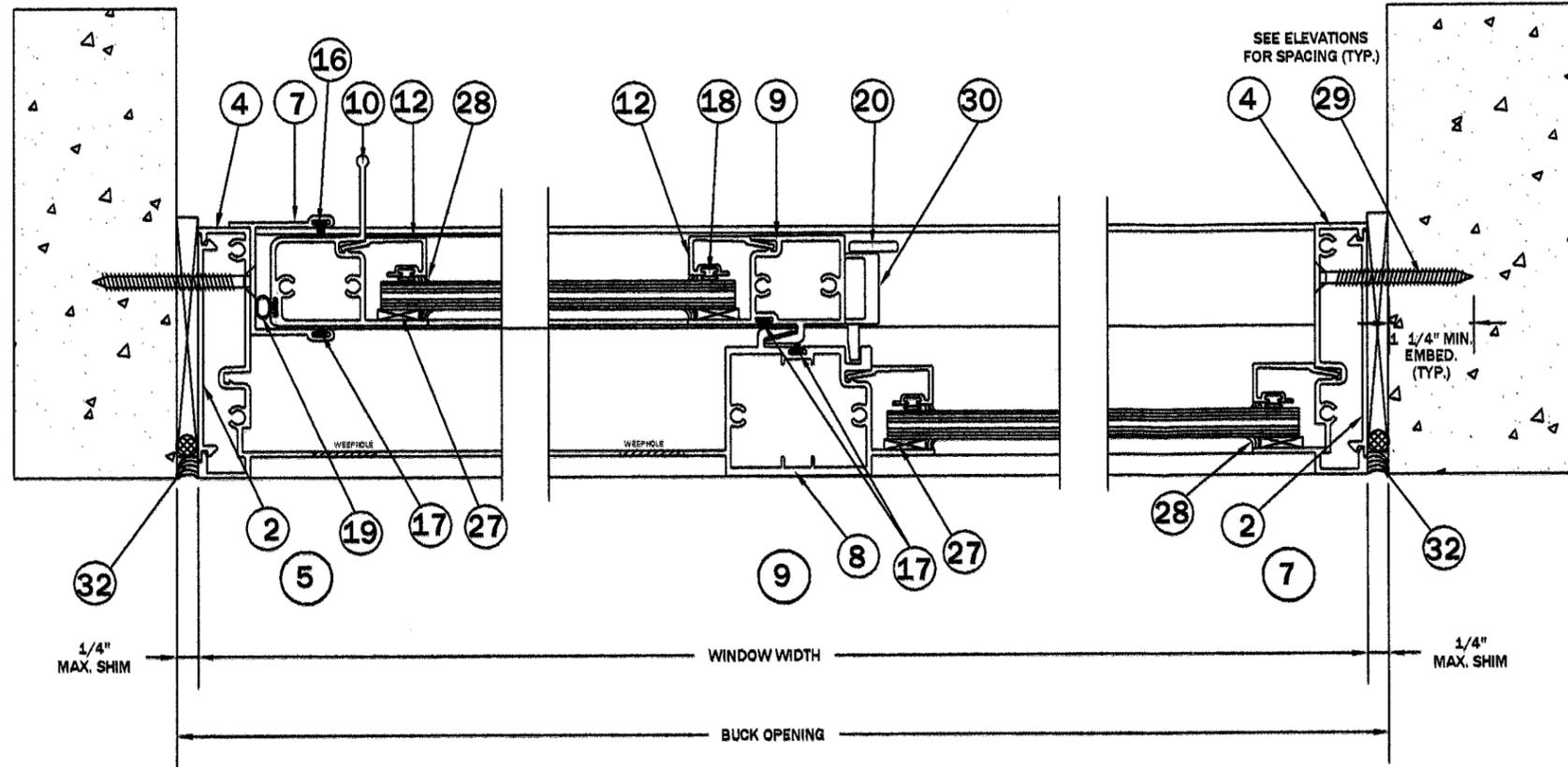


**DRAWING : MWS -106 -LM**  
**SERIES 106**  
**HORIZONTAL ROLLING WINDOW**  
**LARGE MISSILE IMPACT**

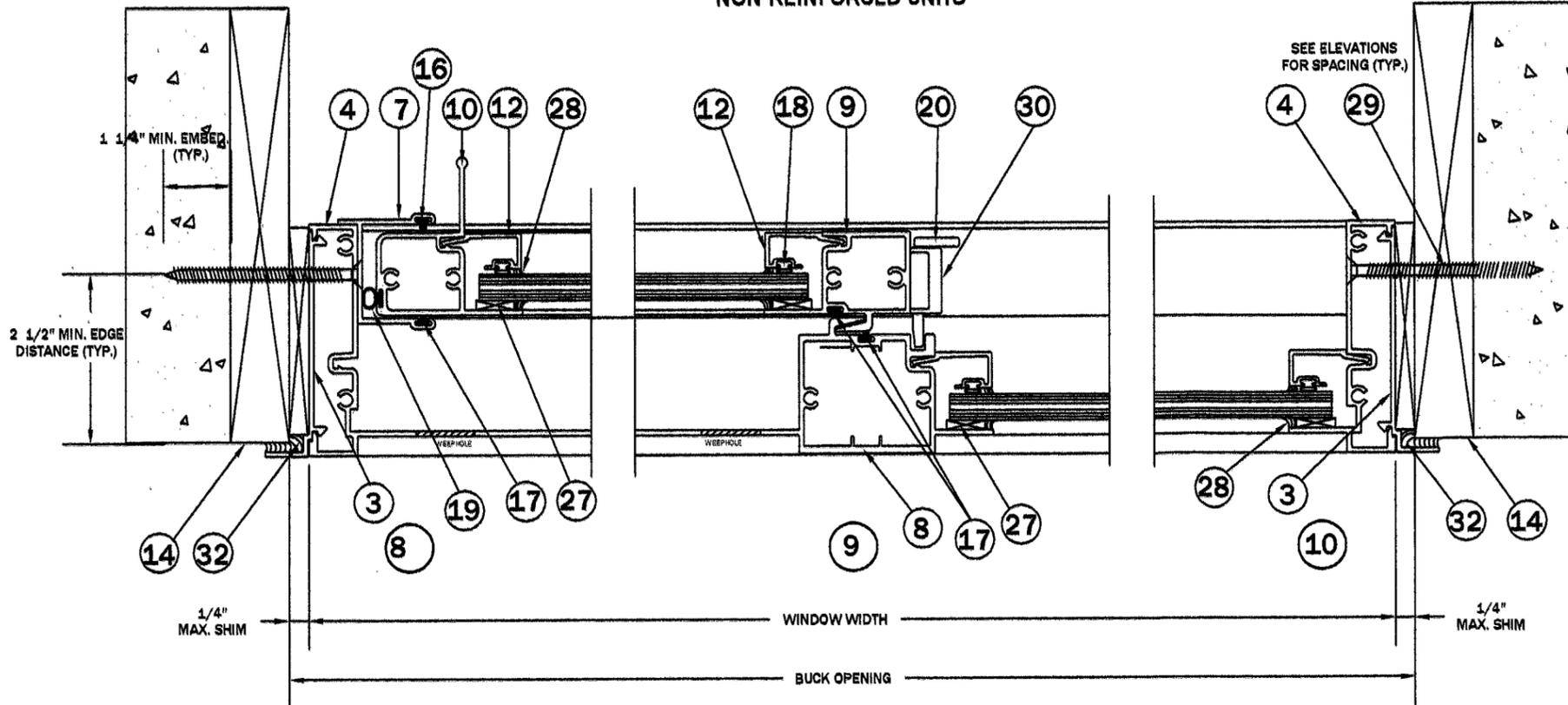
NO.	DATE	REVISION
1	11/12/04	

PER BIDD COMMENTS

DATE: 11/12/04  
SCALE: NONE  
DWG. BY: JG  
CHK. BY: PV  
DWG NO.: MWS-106-LM  
SHEET 3 OF 6



**EQUAL LEG FRAME  
NON REINFORCED UNITS**



**FLANGE LEG FRAME  
NON REINFORCED UNITS**

Approved as complying with the  
Florida Building Code  
Date FEB. 3, 2005  
NOA# 04-1122-02  
Miami Dade Product Control  
Division  
By *Manuel Perry*

KELVYN WHITFIELD, P.E.  
MECHANICAL ENGINEER, FL 24140  
*Kelvyn Whitfield*  
01/05/05  
KELVYN WHITFIELD P.E.  
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**DRAWING : MWS - 106 - LM**  
**SERIES 106**  
**HORIZONTAL ROLLING WINDOW**  
**LARGE MISSILE IMPACT**

NO.	DATE	REVISION
1	11/12/04	

PER BCOO COMMENTS

DATE: 11/12/04  
SCALE: NONE  
DWG. BY: JG  
CHK. BY: PV  
DWG NO.: MWS-106-LM  
SHEET 4 OF 6



**MATERIALS LIST**

ITEM NO	DESCRIPTION	REQ'D	PART NUMBER	COMMENTS
①	EQUAL LEG FRAME HEAD	1	106-010	
②	EQUAL LEG ADAPTOR	4	122-011	
③	FLANGE LEG ADAPTOR	3	106-020	HEAD & JAMBS
④	FIXED FRAME	2	106-014	FRAME JAMBS
⑤	VENT HEAD & SILL	2	104-002	
⑥	FRAME SILL/ MEETING RAIL	1	106-011	
⑦	VENT JAMB ADAPTOR	1	106-016	
⑧	FIXED MEETING RAIL	1	106-015	
⑨	MOVING MEETING RAIL	1	104-007	
⑩	VENT PULL STILE	1	106-017	
⑪	2" WIDE SILL ANCHOR	AS REQUIRED	106-018	
⑫	GLAZING BEAD	AS REQUIRED	104-003	
⑬	TOP ADAPTOR	1	106-012	MEETING RAIL/ FRAME SILL
⑭	P.T. WOOD BUCKS	AS REQUIRED		1" BY OR 2" BY
⑮	FLANGE LEG ADAPTOR	1	106-021	FRAME SILL
⑯	FIN SEAL	AS REQUIRED	7823-6001-6	SCHLEGEL @ VENT JAMB ADAPTOR, INTERIOR
⑰	FIN SEAL	AS REQUIRED	7916-6001-0	SCHLEGEL- VERT. INTERLOCKS & VENT ADAPTOR
⑱	BLACK BULB VINYL	AS REQUIRED	3171 PROTOTYPE	WITH GLAZING BEAD
⑲	BLACK BULB VINYL	AS REQUIRED	3033-0005	USED @ VENT PULL STILE
⑳	SWEEP LATCH	2	672232	DECO- DIE CAST
㉑	GLASS- LARGE MISSILE	2		11/32" LAMINATED GLASS (SEE PAGE 1 & 2)
㉒	SETTING BLOCKS	(2) PER LITE		3/16" X 1/2" X 4" LG EPDM
㉓	WEEP WITH FLAPPER	(2) PER FRAME	79500	ASHLAND- (2) PART NYLON
㉔	TANDEM WHEEL ASSEMBLY	(1) PAIR	(4) WHEELS	ALUM. HOUSING-S/S BB, AXLE & NYLON WHEEL
㉕	3/8" X 1 1/4" STEEL BAR	PER ELEV'S		REINFORCING @ FIXED INTERLOCK
㉖	3/8" X 2 3/4" STEEL BAR	1		REINFORCING @ HORIZONTAL MEETING RAIL
㉗	GLAZING TAPE	AS REQUIRED		3/16"X 3/8" CON'T P.S.A. (2) SIDES
㉘	SILICONE CAP BEAD	AS REQUIRED		TREMCO SPECTREM II, DOW 795 OR GE 4000
㉙	INSTALLATION FASTENERS	AS REQUIRED		1/4" DIAM. TAPCONS
㉚	SWEEP LATCH FASTENERS	(2) EACH LATCH		(2) #8-32 X 1/2" F.H.S.M.S., S/S
㉛	ASSEMBLY FASTENERS	AS REQUIRED		#10 X 1" P.H.S.M.S., S/S
㉜	PERIMETER CAULKING			BACKER ROD AS REQUIRED
㉝	.032" SEALING END PLATE	2	1"X 2 5/32"X1"	SEAL IN PLACE @ ENDS OF FR. SILL/ MTG. RAIL
㉞	.032" SWEEP PLATE	1	1 1/32" X 2 1/8"	BOTTOM OF MOVING INTERLOCK
㉟	#8 X 3/8" PHSMS, S/S	1		ATTACH SWEEP PLATE
㊱	FIN SEAL	AS REQUIRED	7913-6001-3	SCHLEGEL- HORIZ. VENT TOP & BOTT. RAILS

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DRAWING : MWS -106-LM

SERIES 106  
HORIZONTAL ROLLING WINDOW  
LARGE MISSILE IMPACT

Approved as complying with the  
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Miami Dade Product Control  
Division  
By *[Signature]*

KELVYN WHITFIELD, P.E.  
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*[Signature]*  
01/05/05.  
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SHEET 6 OF 6