



MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Sun Metals Systems
5008 Tampa West Blvd.
Tampa, FL 33634

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 250V Aluminum Project Out Window - S.M.I.

APPROVAL DOCUMENT: Drawing No. **PO-SMI.1**, titled "Series "250V" Project Out Window TAS 201-202-203 Small Missile", sheets 1 through 4 of 4, dated 01/06/05, with revision #1 dated 4/25/05, prepared by manufacturer, signed and sealed by Wendell W. Haney, 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: Small 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 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 05-0127.09
Expiration Date: May 19, 2010
Approval Date: May 19, 2005
Page 1

Sun Metals Systems

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **PO-SML.1**, titled "Series "250V" Project Out Window TAS 201-202-203 Small Missile", sheets 1 through 4 of 4, dated 01/06/05, with revision #1 dated 4/25/05, prepared by manufacturer, signed and sealed by Wendell W. Haney, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 20294
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Small Missile Impact Test per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
7) Forced Entry Resistant Test, per FBC 2411.3.2.1 (b) and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum project out window prepared by American Test Lab of South Florida, Test report No. **ATL- 0818.01-04**, dated 12/13/04, signed and sealed by William R. Mehner, P.E. and Henry Hattem, P.E.

C. CALCULATIONS

1. Anchor Calculations, ASTM-E1300, and structural analysis, prepared by RW Building Consultants, Inc., dated 01/20/05, signed and sealed by Wendell W. Haney, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

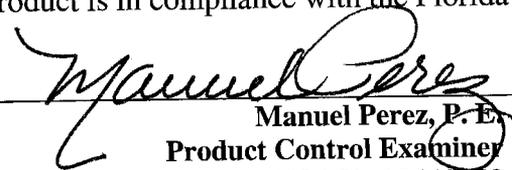
1. Notice of Acceptance No. **03-0421.01** issued to Solutia, Inc. for "Saflex HP", approved on 03/22/03 and expiring on 04/14/08.

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated January 21, 2005, signed and sealed by Wendell W. Haney, P.E.
2. Statement letter of no financial interest, dated December 29, 2005 signed by James G. Hatton, III Vice president Sun Metals, Inc. (notarized)
3. Laboratory compliance letter for Test Report No. **ATLSF # 0818.01-04**, issued by American Test Lab of South Florida, dated 12/13/04, signed and sealed by William R. Mehner, P.E.

G. OTHER

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


Manuel Perez, P. E.
Product Control Examiner
NOA No 05-0127.09
Expiration Date: May 19, 2010
Approval Date: May 19, 2005

GLAZING

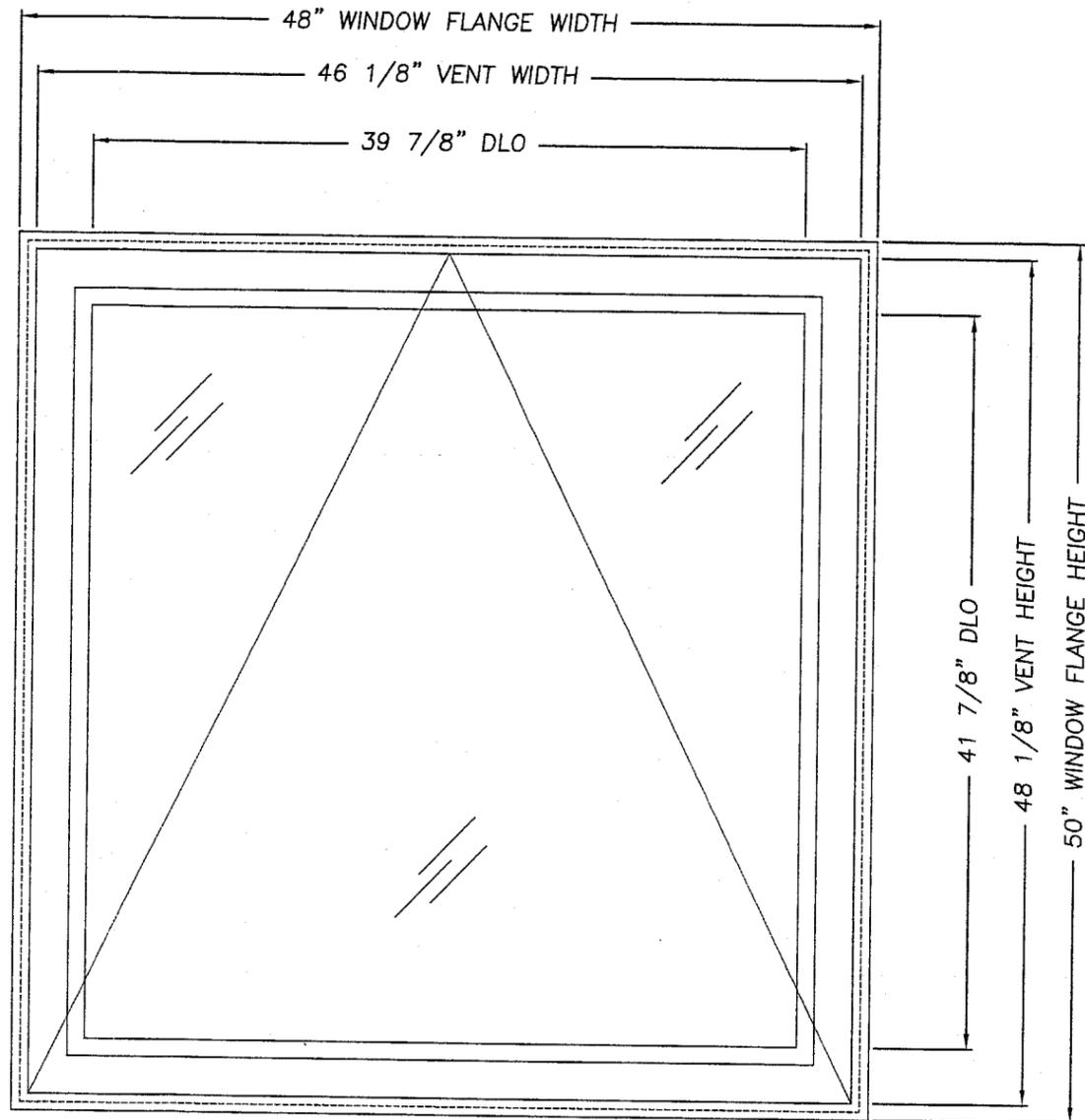
SMALL MISSILE IMPACT RESISTANT - 9/16" LAMINATED GLASS
 1/4" ANN. / 0.060 PVB BUTACITE BY DUPONT / 1/4" ANN.
 FOR INSTALLATIONS ABOVE 30 FEET ABOVE GRADE. SHUTTERS ARE NOT REQUIRED
 DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR INSTALLATIONS
 BELOW 30 FEET ABOVE GRADE

NOTES:

1. THIS STRUCTURE IS DESIGNED PER THE 2001 FLORIDA BUILDING CODE INCLUDING THE HIGH VELOCITY HURRICANE ZONE.
2. ALL FRAME & VENT ASSEMBLY SCREWS TO BE #12 X 1-1/4" STAINLESS STEEL SHEET METAL SCREWS.
3. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
4. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
5. THIS PRODUCT MEETS THE REQUIREMENTS OF SECTION 1626 OF THE 2001 FLORIDA BUILDING CODE AND DOES NOT REQUIRE AN IMPACT RESISTANT COVERING.
6. THIS PRODUCT MEETS THE HIGH VELOCITY HURRICANE ZONE REQUIREMENTS FOR WATER INFILTRATION.

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DESIGN PRESSURE RATING
 +98 PSF -100 PSF

SUN METALS



5008 TAMPA WEST BLVD. (813) 889-0718
 TAMPA, FLORIDA 33634 (813) 886-0666 (Fax)

Scale: N.T.S.	Rev. #	Rev. Date
Date: 01/06/05	1	4/25/05
Drawn: RAH	EW	PER DADE COMMENTS
Checked: WHH	Rev. By	Revision Notes

TAS 201-202-203
 SMALL MISSILE

PROJECT OUT

Approved as complying with the
 Florida Building Code
 Date MAY 19, 2005
 NOA# 05-0127-09
 Miami Dade Product Control
 Division
 By Manuel Perez

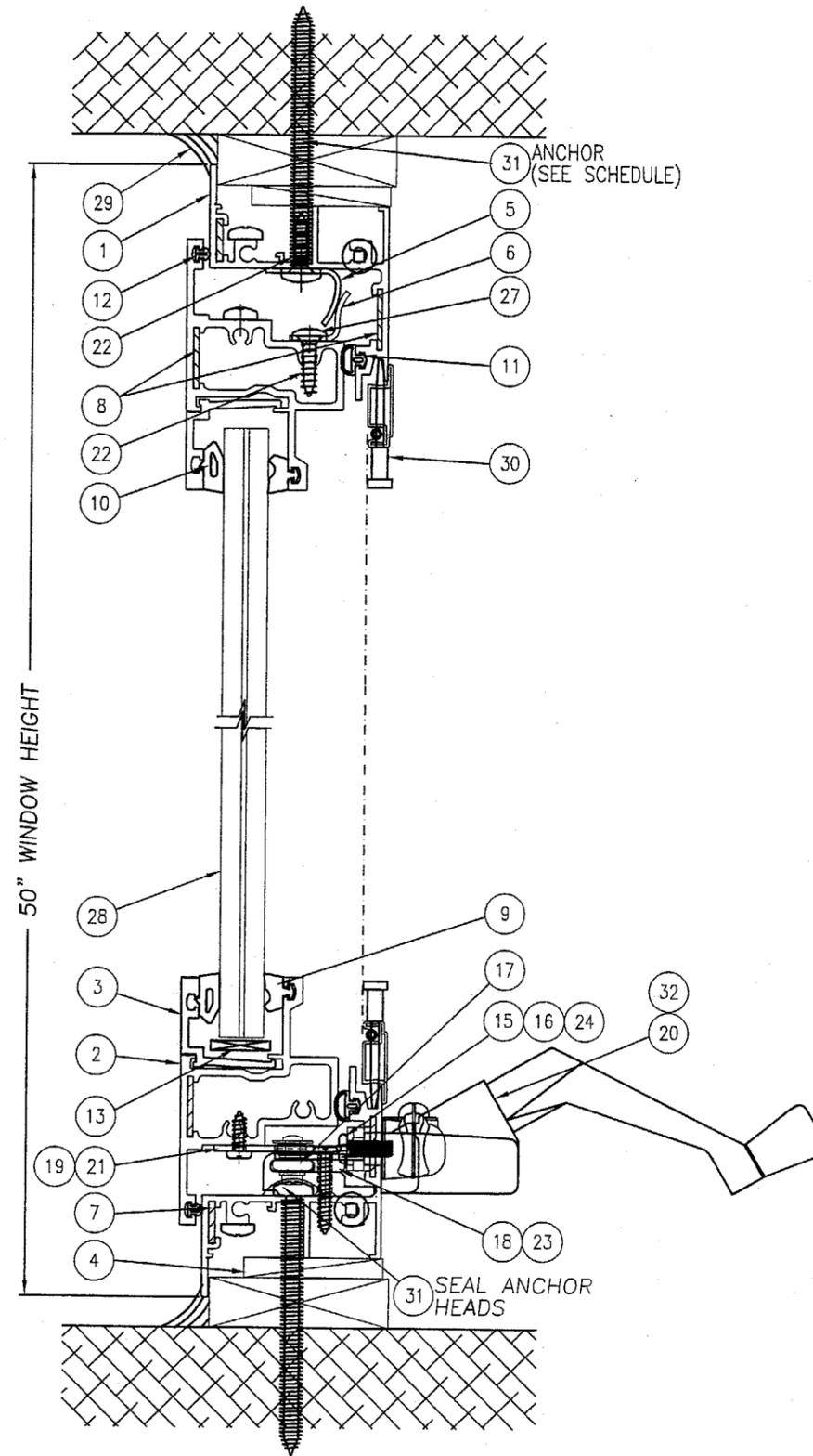
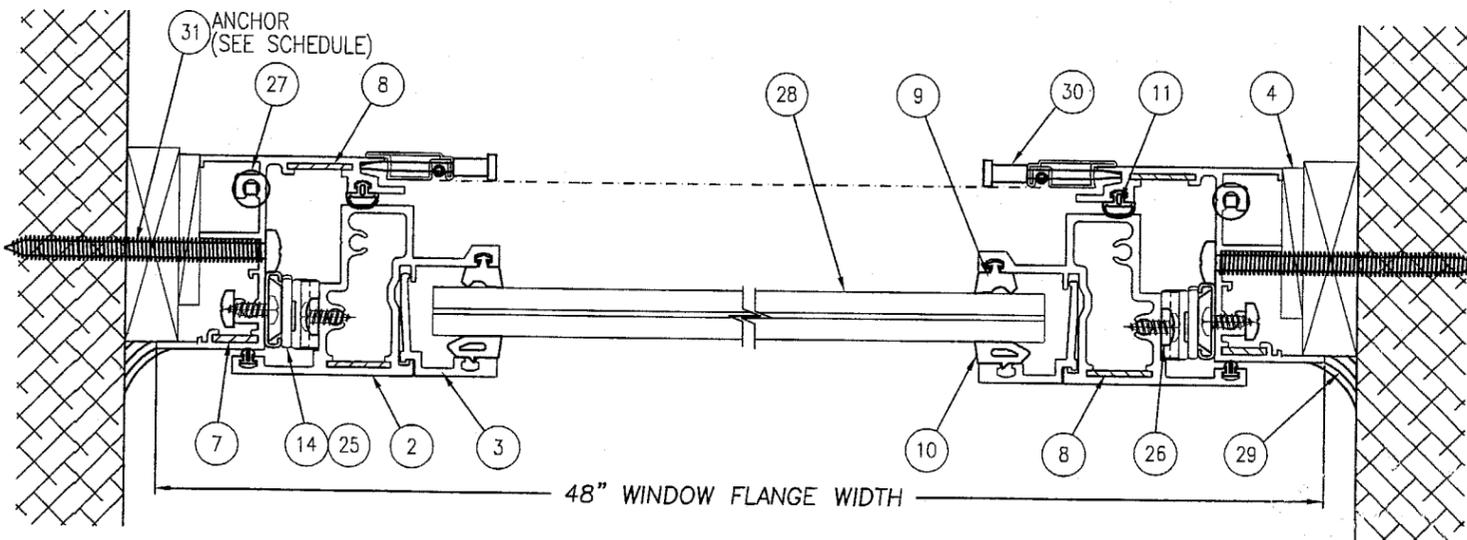
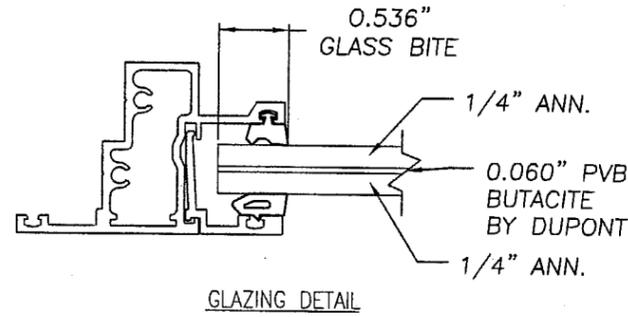
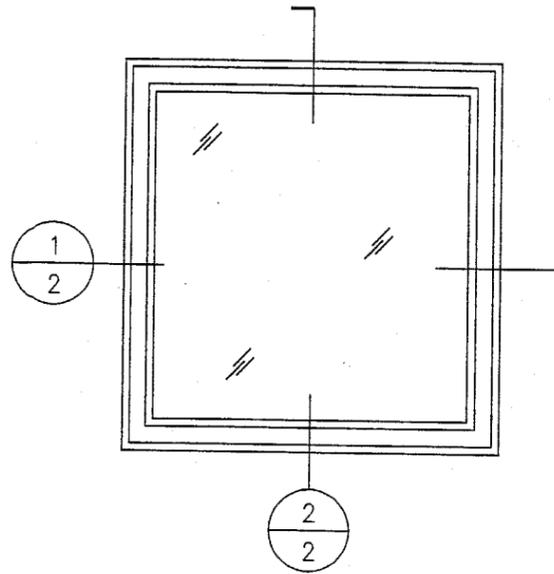
Documents Prepared By:
 RW BUILDING CONSULTANTS, INC.
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.659.9197

Florida Board of Professional Engineers
 Certificate Of Authorization No. 9813
Wendell W. Haney 4/26/05
 Wendell W. Haney, P.E. No. 54158

ITEM: NOTES & ELEVATIONS

FILE#: PO-SM1.1

SHEET#: 1 OF 4



1. ALL FRAME & VENT CORNERS ARE SECURED WITH #12 SSSMS.
 2. ALL JOINTS TO BE SEALED WITH SMALL JOINT SEALER.

1 HORIZONTAL CROSS SECTION
 2 VERTICAL CROSS SECTION

Documents Prepared By:
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Wendell W. Hoxey
 Wendell W. Hoxey, P.E. No. 54158

2 VERTICAL CROSS SECTION

SUN METALS
SERIES '250V' PROJECT OUT WINDOW

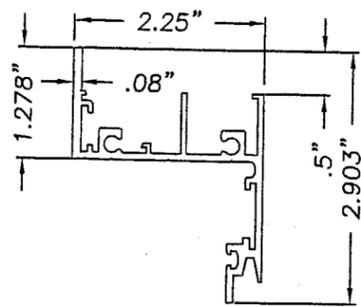


5008 TAMPA WEST BLVD. (813) 889-0718
 TAMPA, FLORIDA 33634 (813) 886-0666 (Fax)

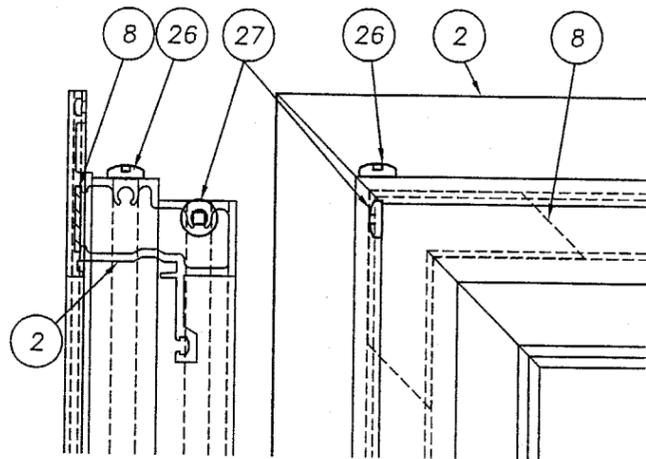
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Date: 01/06/05	1	4/25/05
Drawn: RWH	EW	PER DADE COMMENTS
Checked: WHH	Rev. By	Revision Notes
TAS 201-202-203 SMALL MISSILE	PROJECT OUT	

Approved as complying with the Florida Building Code
 Date MAY 19, 2005
 NOAH 05-0127.09
 Miami Dade Product Control
 Division
 By *Marcus Perez*

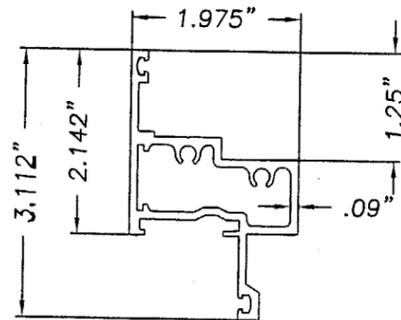
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 SHEET#: 2 OF 4



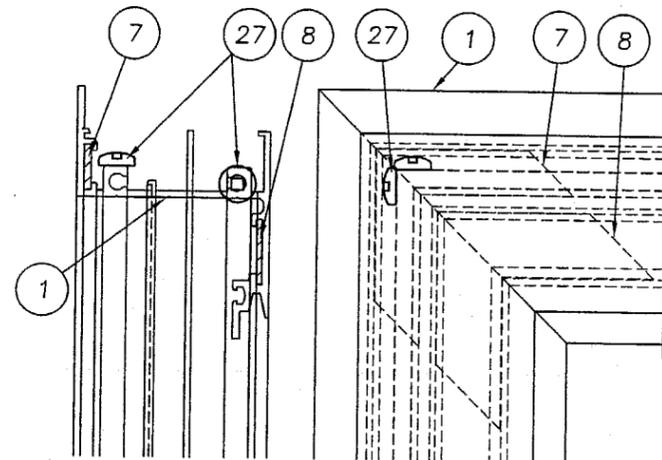
1 FRAME (SUN-101)
0.854 #/FT



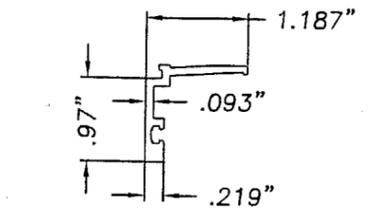
VENT CORNER ASSEMBLY



2 VENT (SUN-102)
1.045 #/FT

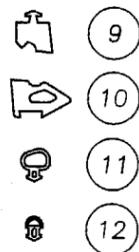


FRAME CORNER ASSEMBLY

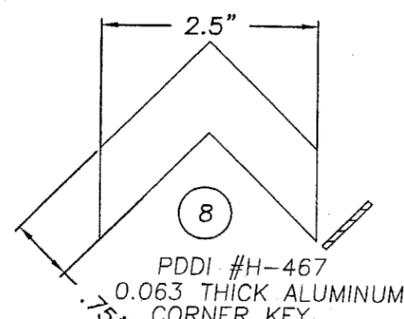
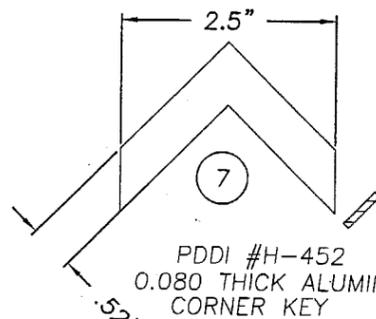


3 GLAZING BEAD (SUN-103)
0.291 #/FT

COMPONENTS



GASKETS, SEALS & WEDGES



ITEM	PART #	DESCRIPTION	MATERIAL
1	SUN-101	FRAME	6063-T6
2	SUN-102	VENT	6063-T6
3	SUN-103	GLAZING BEAD	6063-T6
4	-	1/4" MAX. SHIM	WOOD
5	-	SNUBBER	-
6	-	SNUBBER	-
7	H-452	.080 ALUMINUM CORNER KEY	3003
8	H-467	.063 ALUMINUM CORNER KEY	3003
9	TR-6142N	INTERIOR GLAZING SPONGE	NEOPRENE
10	TR-1000E	EXTERIOR GLAZING WEDGE	EPDM
11	TR-4392P	FRAME BULB SEAL	EPDM
12	TR-13100P	VENT BULB SEAL	PEROX. EPDM
13	NO PART #	SETTING BLOCK 1/8" X 3/4" X 2" LONG	PVC/EPDM
14	34.xx.00.100	4 BAR HINGE	STAINLESS
15	24.30.xx.xxx	LOCK ASSEMBLY W/ FRAME GASKET	ZAMACK
16	23.050.92	SUPPORT PLATE	PLATED STL.
17	1190X.92	TIE BAR ASSEMBLY	PLATED STL.
18	31842	TIE BAR GUIDE	NYLON
19	3133X.92	KEEPER	PLATED STL.
20	11.42.xx.xxx	OPERATOR	ZAMACK
21	-	#8 X 1/2" PFH SSSMS	STAINLESS
22	-	#8 X 3/4" PFH UNDERCUT SSSMS	STAINLESS
23	-	#8 X 1" PPH SSSMS	STAINLESS
24	19298.92	#10-24 X 9/16" T/F PPH MS	PLATED STL.
25	-	#10 x 1/2" Sq.Dr.PH SSSMS	STAINLESS
26	-	#12 x 5/8" Sq.Dr.PH SSSMS	STAINLESS
27	-	#12 x 1 1/4" Sq.Dr.PH SSSMS	STAINLESS
28	-	LAMINATED GLASS: 1/4" ANN. / 0.060 PVB BUTACITE BY DUPONT / 1/4" ANN.	-
29	SPECTREM 2	PERIMETER SEALANT	SILICONE
30	-	SCREEN	-
31	-	ANCHOR (SEE ANCHOR SCHEDULE, SHEET 4)	-
32	10579.XX	CRANK	ZAMACK

SUN METALS SERIES '250V' PROJECT OUT WINDOW



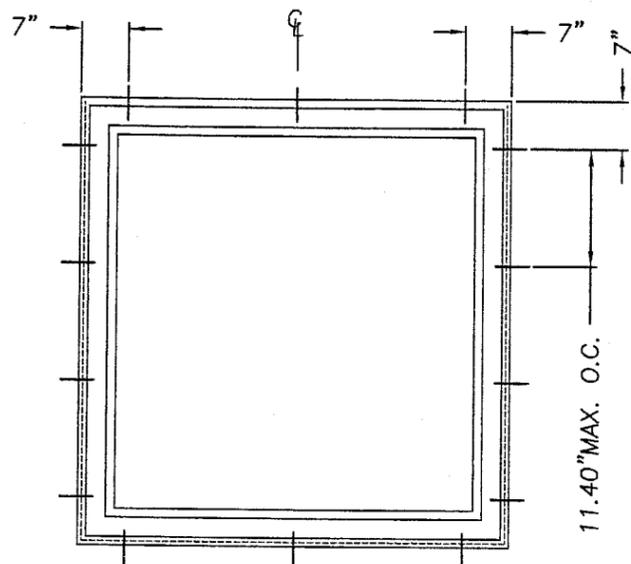
5008 TAMPA WEST BLVD. (813) 889-0718
TAMPA, FLORIDA 33634 (813) 886-0666 (Fax)

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TAS 201-202-203 SMALL MISSILE PROJECT OUT		

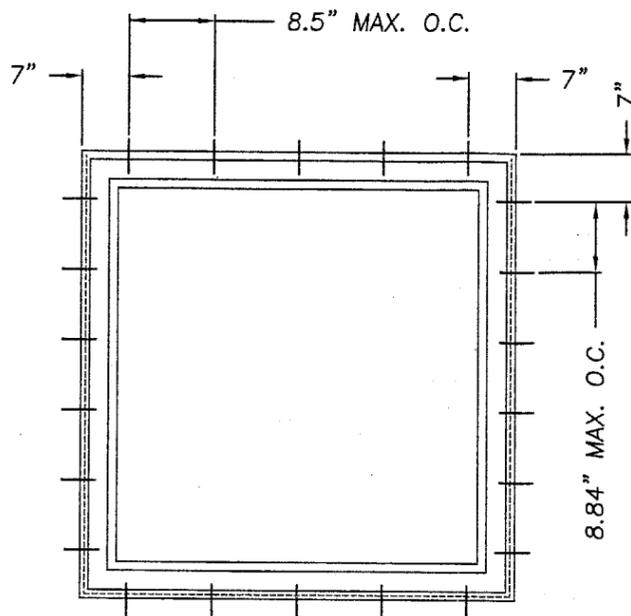
Approved as complying with the Florida Building Code
Date: MAY 19, 2005
NOA#: 05-0127.09
Miami Dade Product Control Division
By: Maurice Ray

Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Haney
Wendell W. Haney, P.E. No. 54158

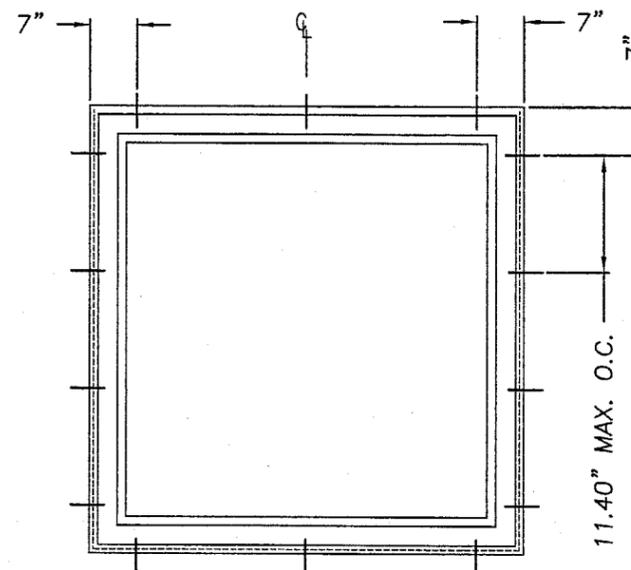
ITEM: COMPONENTS & BOM
FILE#: PO-SMI.1
SHEET#: 3 OF 4



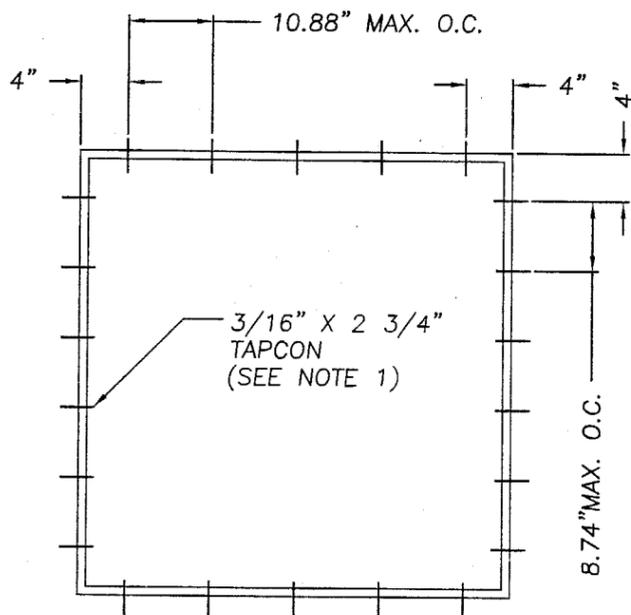
1/4" TAPCON ANCHOR LOCATIONS
(SEE NOTE 2)



#14 SMS ANCHOR LOCATIONS



#24 WOOD SCREW ANCHOR LOCATIONS



WOOD BUCK ANCHOR LOCATIONS

NOTES:

1. IF NECESSARY, ADJUST TAPCON LOCATIONS TO MAINTAIN A MINIMUM 2.0" CLEARANCE FROM MORTAR JOINTS.
2. IF NECESSARY, ADJUST TAPCON LOCATIONS TO MAINTAIN A MINIMUM 2.5" CLEARANCE FROM MORTAR JOINTS.

ANCHOR SCHEDULE		
SUBSTRATE	ANCHOR	SPACING
CONCRETE:	1/4" DIA. TAPCON WITH 1 1/4" EMBED	SEE ELEVATION
STEEL: (16 GA. MIN.)	# 14 S.M.S.	SEE ELEVATION
WOOD: 1 X	1/4" DIA. TAPCON, WITH 1 1/4" EMBEDMENT INTO CONCRETE.	SEE ELEVATION
WOOD: 2 X	# 24 WOOD SCREW WITH 1 3/8" EMBED	SEE ELEVATION

Documents Prepared By:

RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL. 33595
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Wendell Honey 4/26/05
Wendell W. Honey, P.E. No. 54158

SUN METALS



5008 TAMPA WEST BLVD. (813) 889-0718
TAMPA, FLORIDA 33634 (813) 886-0666 (Fax)

TAS 201-202-203
SMALL MISSILE

PROJECT OUT

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Miami Dade Product Control Division
By *Manuel Perez*

ITEM: ANCHORING ELEVATIONS
FILE#: PO-SMI.1

SHEET#: 4 OF 4