



**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)

**Norandex Building Products
4504 30th Street West
Bradenton, Fl 34207**

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 "Omega" Aluminum Single Hung Window

APPROVAL DOCUMENT: Drawing No. 0733, titled "Series: Omega Aluminum Single Hung Impact Resistant", sheets 1 through 5, prepared by manufacturer, dated 04/09/01, with revision No.4 dated 12/11/02, 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 & Small 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 as well as approval document mentioned above.

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



**NOA No 01-0904.06
Expiration Date: January 2, 2008
Approval Date: January 2, 2003
Page 1**

Norandex Building Products

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **0733**, Sheets 1 through 5 of 5, titled "Series: Omega Aluminum Single Hung Impact Resistant", dated 04/09/02, with revision No.4 dated 12/11/02, prepared by manufacturer.

B. TESTS

1. Test reports on
 - 1) Air Infiltration Test, per SFBC, PA 202-94
 - 2) Uniform Static Air Pressure Test, Loading per SFBC PA 202-94
 - 3) Water Resistance Test, per SFBC, PA 202-94
 - 4) Large Missile Impact Test per SFBC, PA 201-94
 - 5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
 - 6) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94

along with marked-up drawings and installation diagram of three O/X specimens of a Series "Omega" Aluminum Single Hung Window, prepared by manufacturer, and Test Report No. **FTL-3153**, dated July 12, 2001, signed and sealed by Luis A. Figueredo, P.E.

2. Test reports on
 - 1) Air Infiltration Test, per SFBC, PA 202-94
 - 2) Uniform Static Air Pressure Test, Loading per SFBC PA 202-94
 - 3) Water Resistance Test, per SFBC, PA 202-94
 - 4) Large Missile Impact Test per SFBC, PA 201-94
 - 5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
 - 6) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94

along with marked-up drawings and installation diagram of one O/X specimen of a Series "Omega" Aluminum Single Hung Window, prepared by manufacturer, and Test Report No. **FTL-3156**, dated July 12, 2001, signed and sealed by Luis A. Figueredo, P.E.

3. Test reports on
 - 1) Air Infiltration Test, per SFBC, PA 202-94
 - 2) Uniform Static Air Pressure Test, Loading per SFBC PA 202-94
 - 3) Water Resistance Test, per SFBC, PA 202-94
 - 4) Large Missile Impact Test per SFBC, PA 201-94
 - 5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
 - 6) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94

along with marked-up drawings and installation diagram of one O/X specimen of a Series "Omega" Aluminum Single Hung Window, prepared by manufacturer, and Test Report No. **FTL-3162**, dated July 12, 2001, signed and sealed by Luis A. Figueredo, P.E.


Manuel Perez, P.E.
Product Control Examiner
NOA No 01-0904.06

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C. CALCULATIONS

1. Anchor calculations and structural analysis, prepared by Applied Engineering Concept, Inc., dated 04/18/02, signed and sealed by Kelvyn A. Whitfield, P.E.

D. MATERIAL CERTIFICATIONS

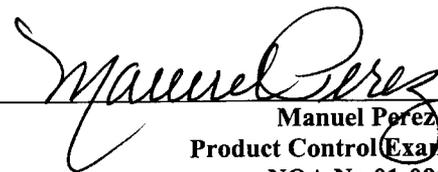
1. Notice of Acceptance No. **00-0329.03** issued to Security Impact Glass Holdings L.L.C. for their "SAF-GLAS" dated 05/26/00, expiring on 12/16/02.
2. Notice of Acceptance No. **01-0205.02** issued to Solutia, Inc. for their "Saflex-Keepsafe Maximum" dated 05/17/01, expiring on 02/21/06.

E. STATEMENTS

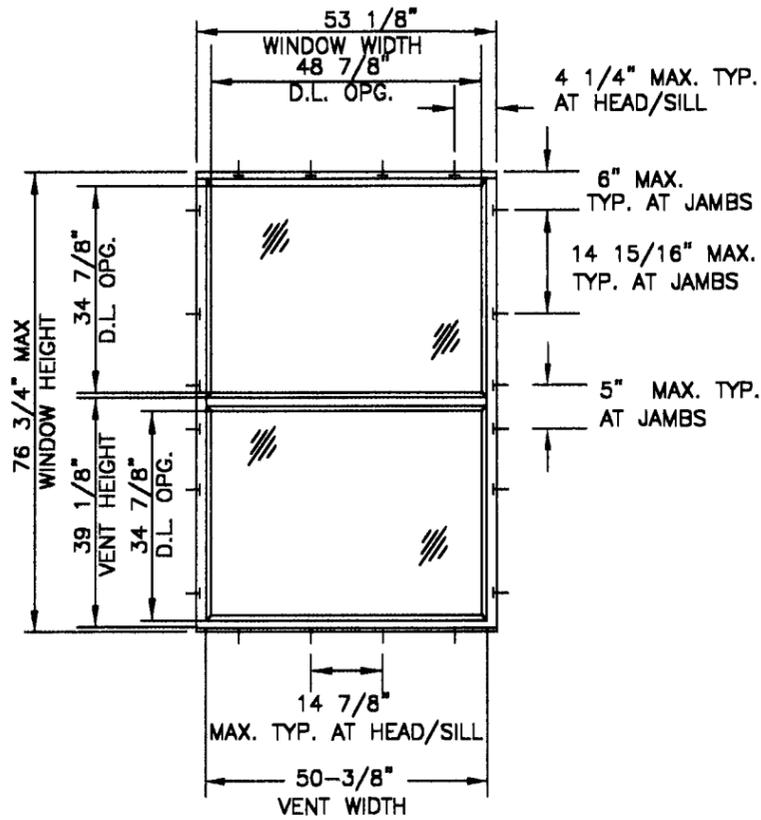
1. Statement letter of conformance, dated April 18, 2002, signed and sealed by Kelvyn A. Whitfield, P.E.
2. Statement letter of no financial interest, dated April 18, 2002, signed and sealed by Kelvyn A. Whitfield, P.E.

F. OTHER

1. None.

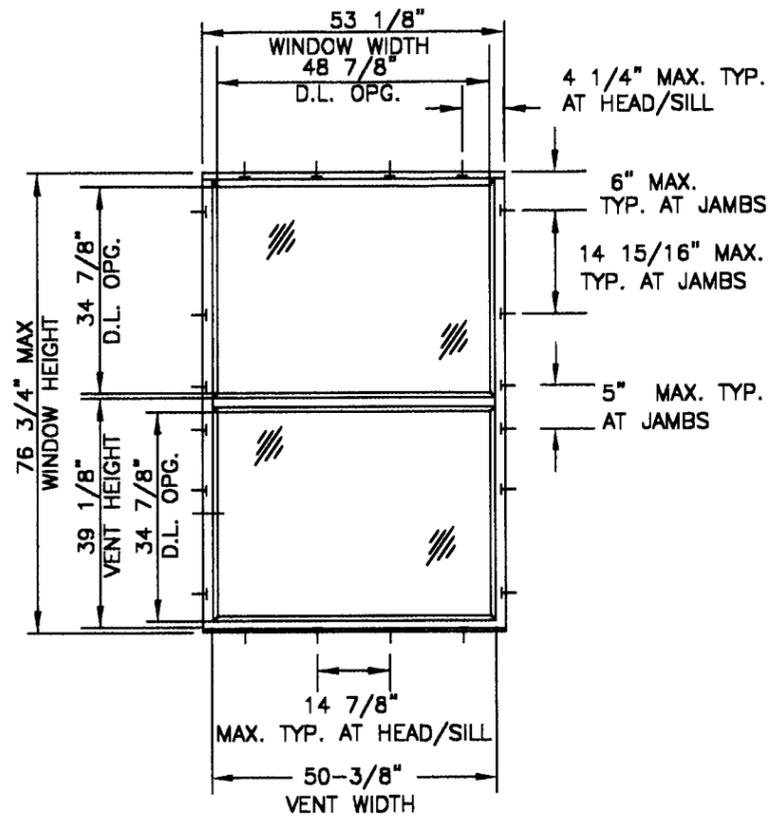


Manuel Perez, P.E.
Product Control Examiner
NOA No 01-0904.06
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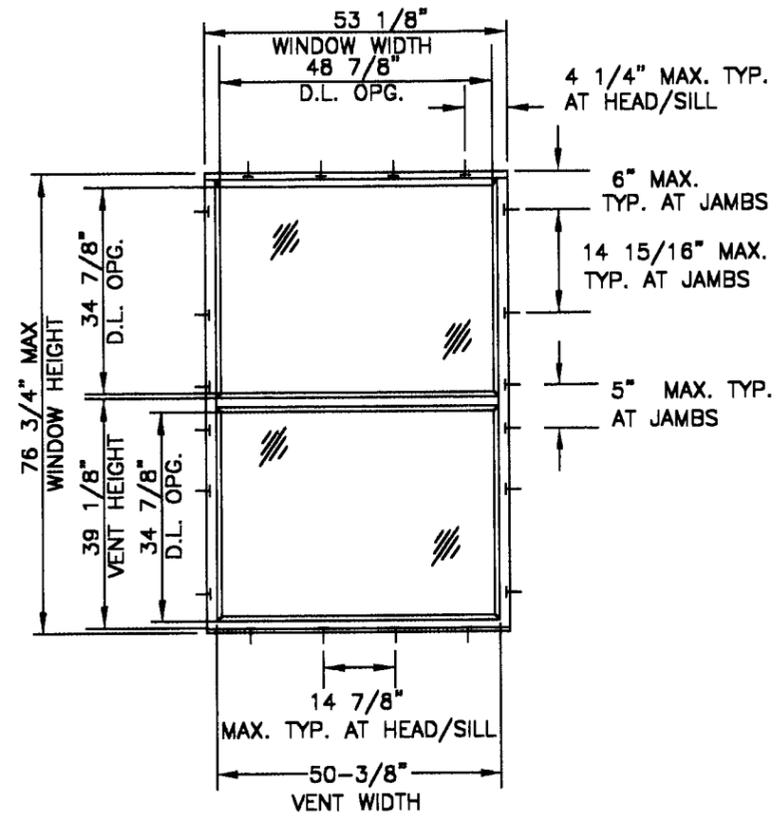
DESIGN PRESSURE RATING
WITH 5/16" LAMINATED
1/8" ANN.090 INNER LAYER
(SAFLEX KEEPSAFE MAX)
BY SOLUTIA, INC.
1/8" ANN. GLASS

POSITIVE	50.0 PSF
NEGATIVE	50.0 PSF



DESIGN PRESSURE RATING
WITH 5/16" LAMINATED
1/8" H.S.
(SAF GLASS) BY SECURITY
IMPACT GLASS HOLDINGS, LLC.
INNER LAYER 1/8" H.S.

POSITIVE	70.0 PSF
NEGATIVE	70.0 PSF



DESIGN PRESSURE RATING
WITH 7/16" LAMINATED
3/16" ANN. .090 INNER LAYER
(SAFLEX/KEEPSAFE MAX)
BY SOLUTIA, INC.
3/16" ANN. GLASS

POSITIVE	70.0 PSF
NEGATIVE	70.0 PSF

NOTE:

- THIS SINGLE HUNG GLASS WINDOW SYSTEM IS DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2001 CHAPTERS 16 AND 24.
- ALL EXTRUSIONS ARE ALUMINUM, 6063-T5 ALLOY, WITH A MINIMUM F_y OF 16,000 P.S.I. U.N.O..
- BASED ON LABORATORY TEST REPORT NUMBERS FTL-3153, FTL-3156 AND FTL-3162 FENESTRATION TESTING LAB, INC.
- WOOD BUCK (BY OTHERS) MUST BE DESIGNED TO CARRY WINDOW WIND LOAD IMPOSED ON THEM.

IMPACT RESISTANT

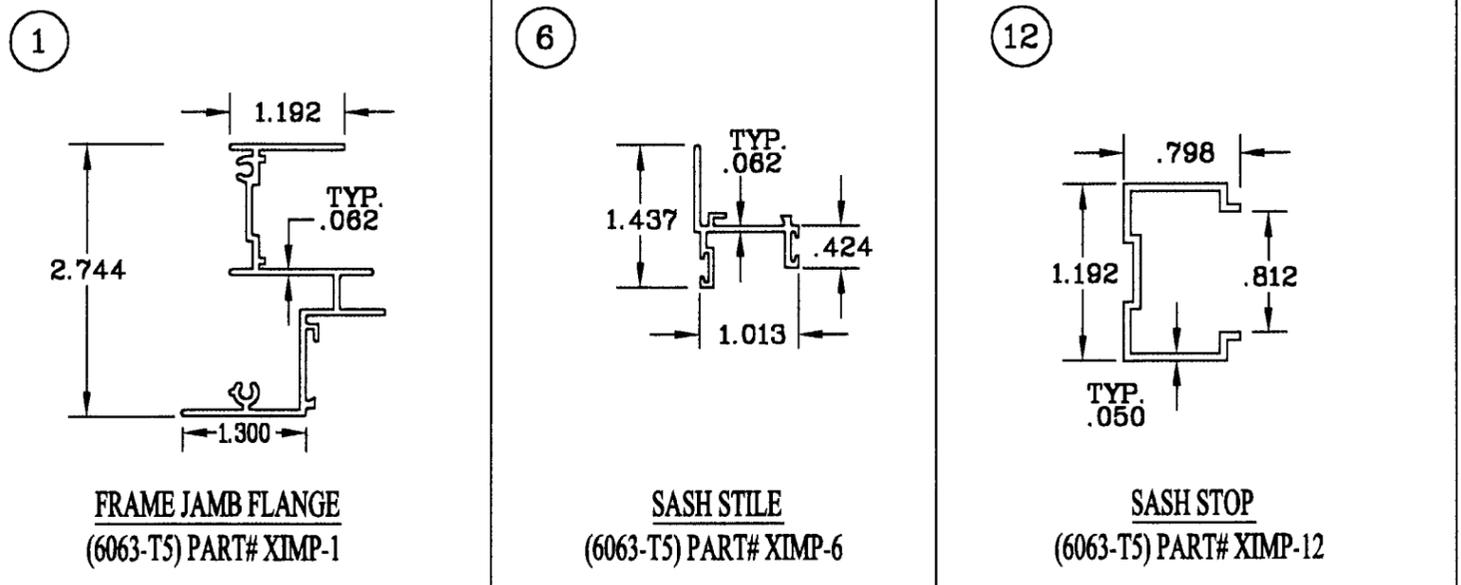
Approved as complying with the
Florida Building Code
Date JAN 2, 2003
NOA# 01-0904.06
Miami Dade Product Control
Division
By [Signature]

SERIES: OMEGA
ALUMINUM SINGLE HUNG
IMPACT RESISTANT
DWG.#: 0733

SERIES: OMEGA
ALUMINUM SINGLE HUNG
NORANDEX
BRADENTON, FL. 34207
PHONE: (941) 755-1591

NO.	DATE	REVISIONS DESCRIPTION
1	10/15/01	Modifications as per D.C.
2	4/10/02	Rev per JIM MOORE
3	10/16/02	Rev per MARKUS RAE
4	12/11/02	Rev per Dade County

DATE: 04/09/02
SCALE: N.T.S.
DWG. BY: J.R.M.
CHK. BY:
JOB NO.:
SHEET 1 OF 6
DWG. NO.:

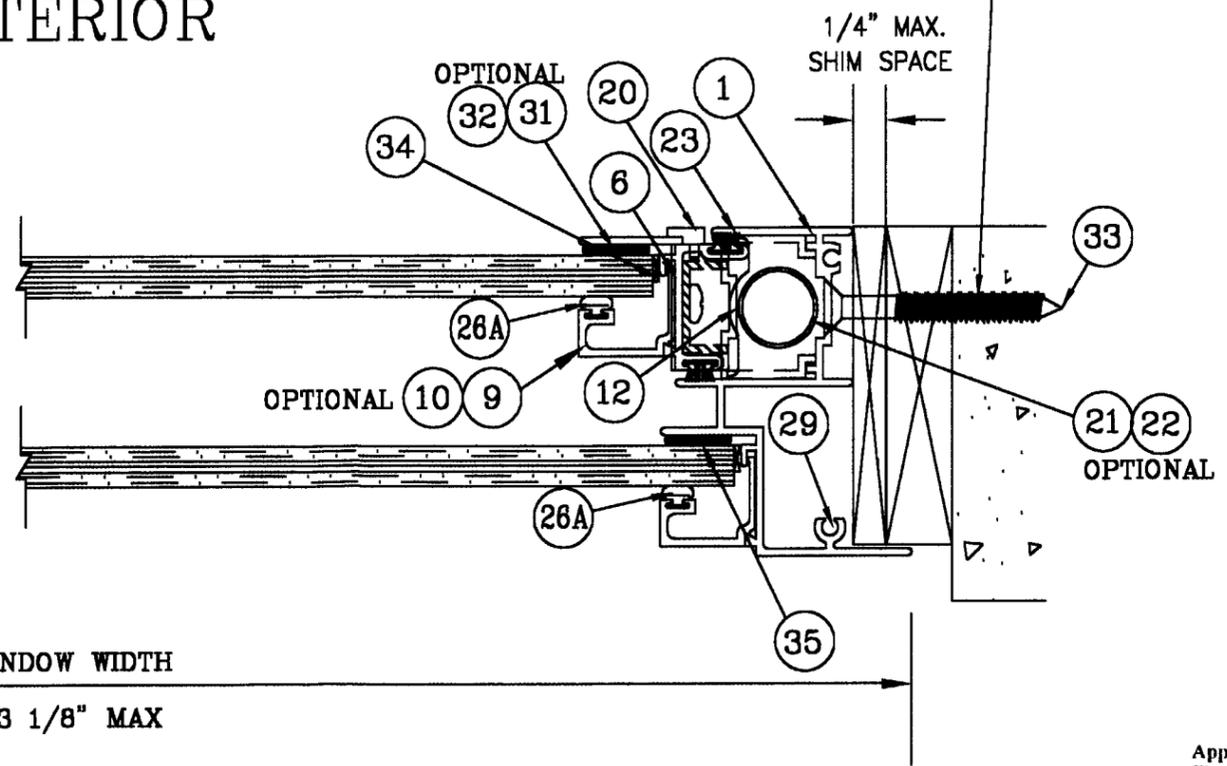
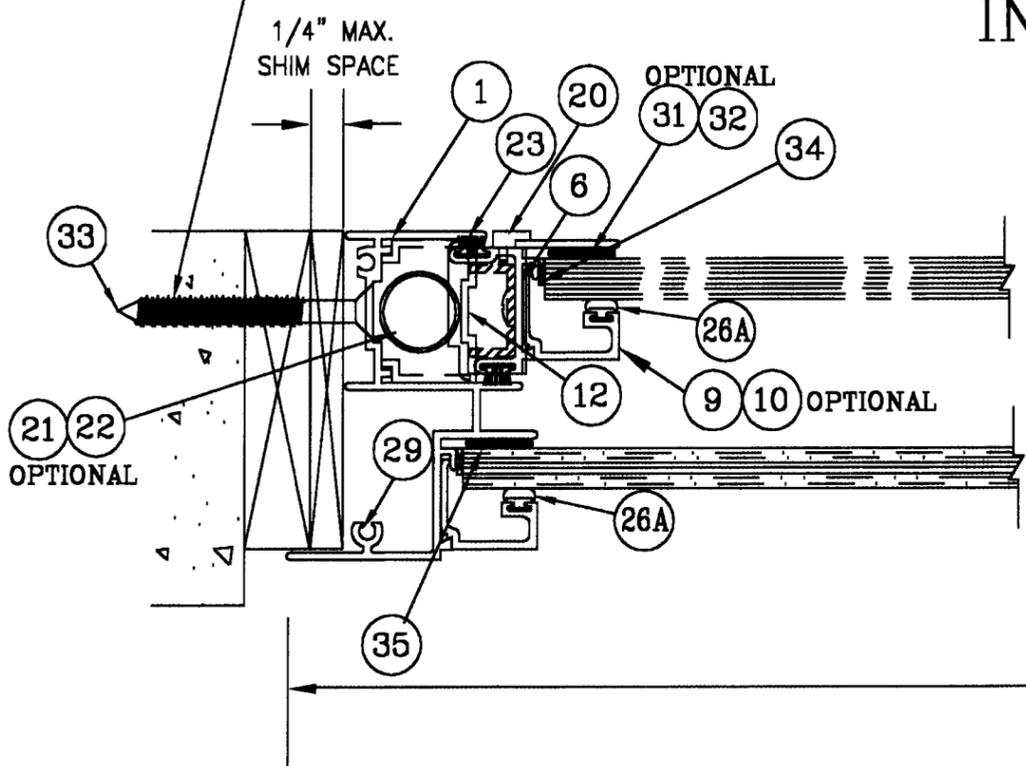


SERIES: OMEGA
ALUMINUM SINGLE HUNG
IMPACT RESISTANT
DWC.#: 0733

1/4" - 2 3/4" ITW TAPCON FOR
WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE
SEE ELEVATIONS FOR SPACINGS.

1/4" - 2 3/4" ITW TAPCON FOR
WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE
SEE ELEVATIONS FOR SPACINGS.

INTERIOR



WINDOW WIDTH
53 1/8" MAX
EXTERIOR
HORIZONTAL LAYOUT

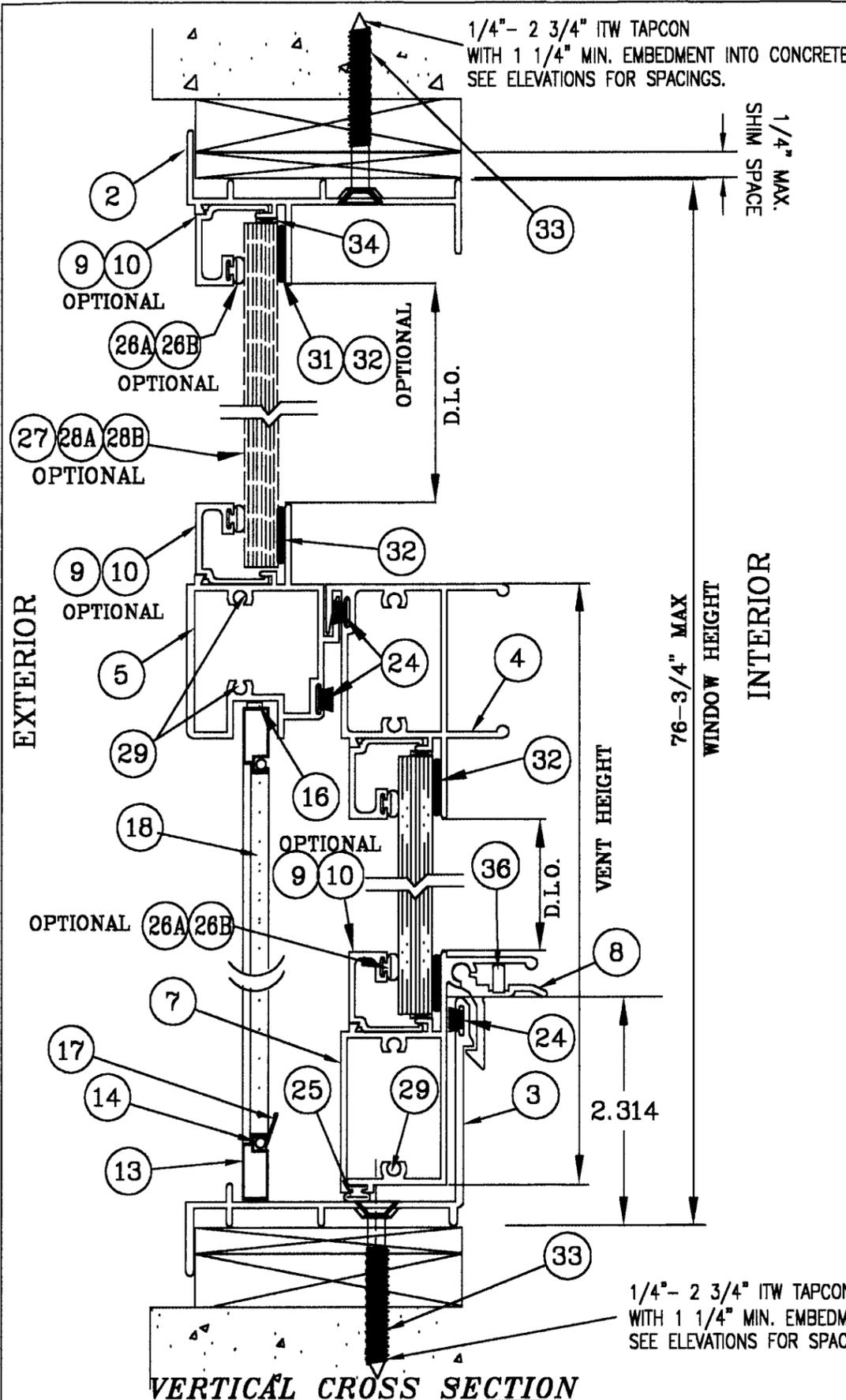
Approved as complying with the
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Date JAN. 2, 2003
NOA# 01-0904-06
Miami Dade Product Control
Division
By Maurice [Signature]

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ALUMINUM SINGLE HUNG
NORANDEX
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PHONE: (941) 755-1591

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DATE: 04/09/02
SCALE: N.T.S.
DWC. BY: J.R.M.
CHK. BY:
JOB NO.:
SHEET 2 OF 6
DWC. NO.:

EXTERIOR



1/4" - 2 3/4" ITW TAPCON
WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE
SEE ELEVATIONS FOR SPACINGS.

SHIM SPACE
1/4" MAX.

WINDOW HEIGHT
76-3/4" MAX.

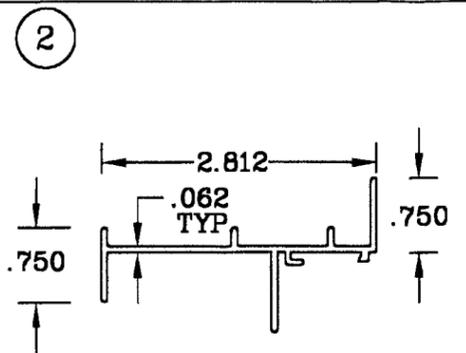
INTERIOR

VENT HEIGHT

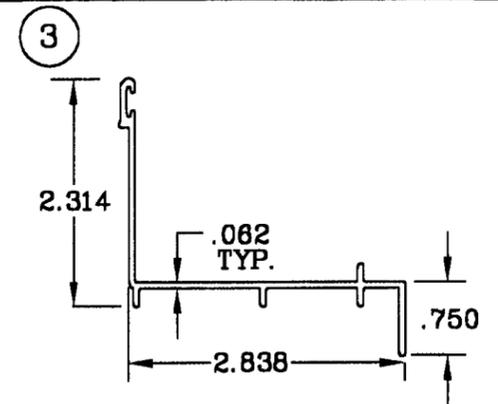
2.314

1/4" - 2 3/4" ITW TAPCON
WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE
SEE ELEVATIONS FOR SPACINGS.

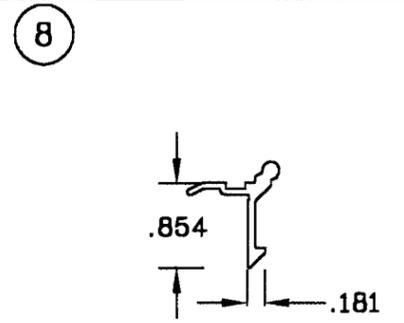
VERTICAL CROSS SECTION



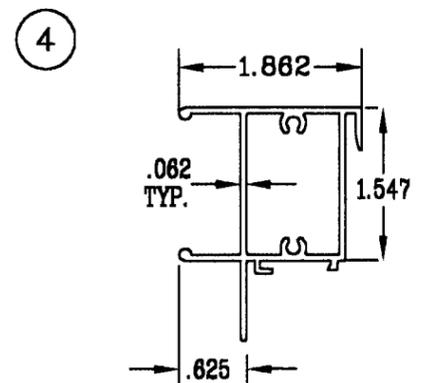
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(6063-T5) PART# XIMP-2



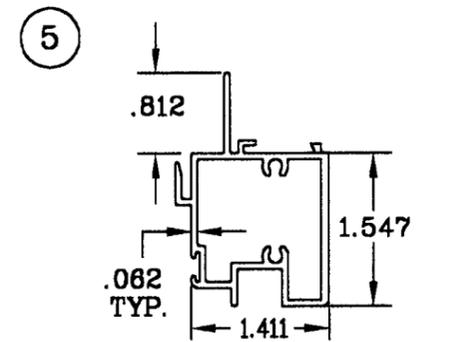
FRAME SILL ALUM. ALLOY
(6063-T5) PART# XIMP-3



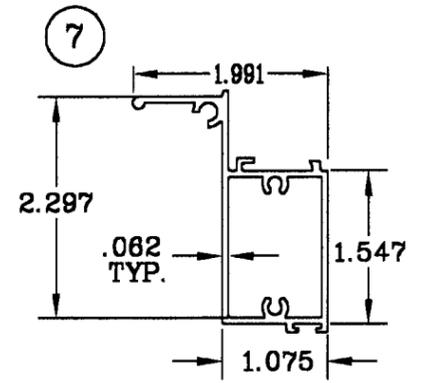
ALUM. SPRING HOOK LOCK
(6063-T5) PART# XIMP-8



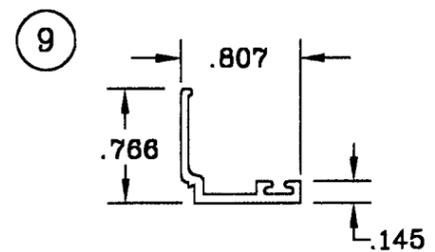
VENT TOP RAIL ALUM. ALLOY
(6063-T5) PART# XIMP-4



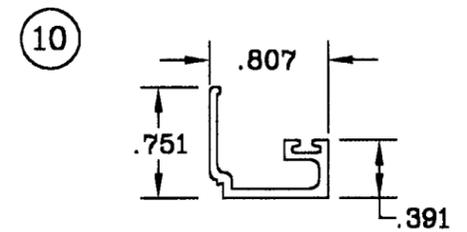
FRAME MEETING RAIL ALUM. ALLOY
(6063-T5) PART# XIMP-5



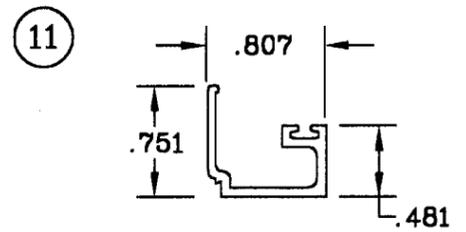
VENT BOTT. RAIL ALUM. ALLOY
(6063-T5) PART# XIMP-7



ALUM. EXTRUDED GLAZING BEAD
(6063-T5) PART# XIMP-9



ALUM. EXTRUDED GLAZING BEAD
(6063-T5) PART# XIMP-10



ALUM. EXTRUDED GLAZING BEAD
(6063-T5) PART# XIMP-11

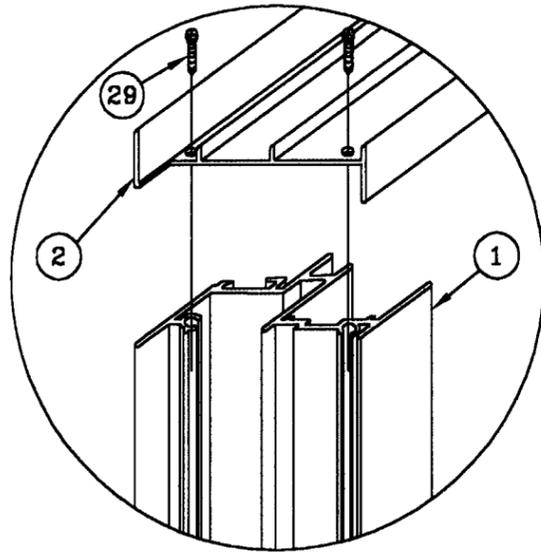
SERIES: OMEGA
ALUMINUM SINGLE HUNG
IMPACT RESISTANT
DWG.#: 0733

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ALUMINUM SINGLE HUNG
NORANDEX
BRADENTON, FL. 34207
PHONE: (941) 755-1591

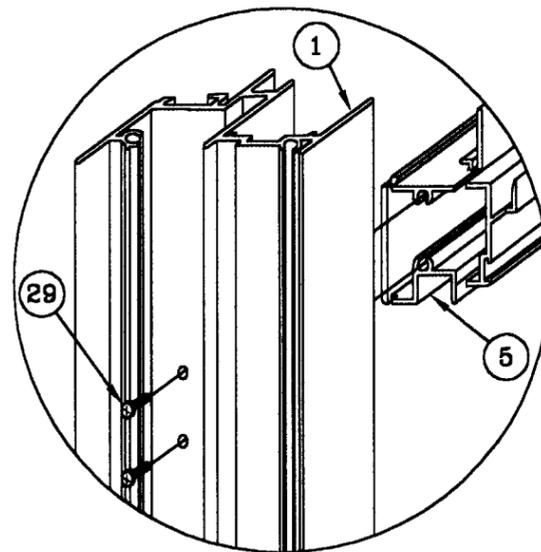
NO.	DATE	REVISIONS DESCRIPTION
1	10/15/01	Modifications as per D.C.
2	4/08/02	Rev per JIM MOORE
3	9/06/02	Rev per MARKUPS RAB
4	12/11/02	Rev per Dade County

DATE: 04/09/02
SCALE: N.T.S.
DWG. BY: J.R.M.
CHK. BY:
JOB NO.:
SHEET 3 OF 5
DWG. NO.:

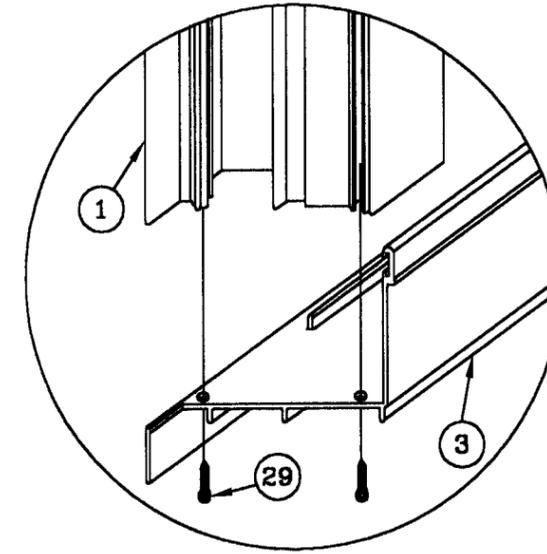
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Miami Dade Product Control
Division
By Manuel Sura



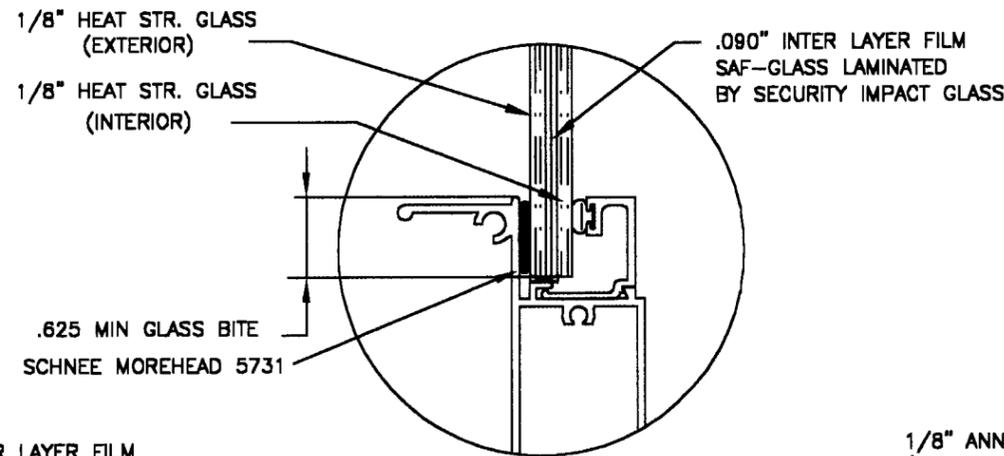
TOP FRAME CORNER



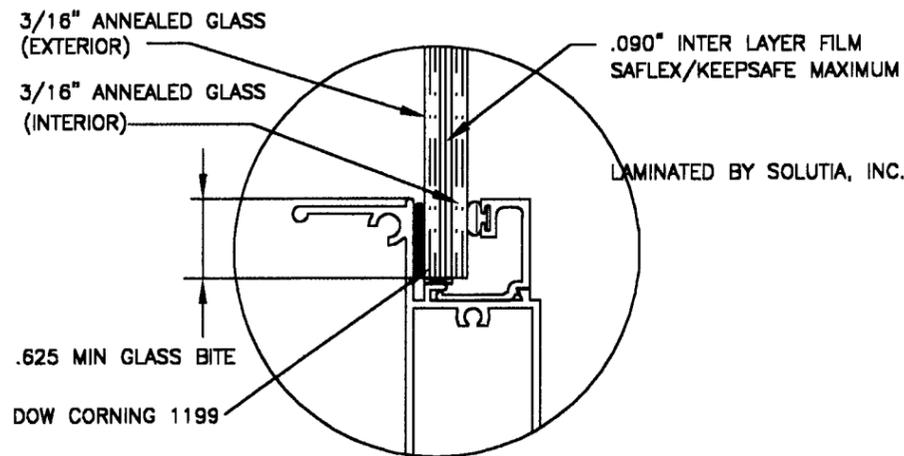
INTERMEDIATE FRAME CORNER



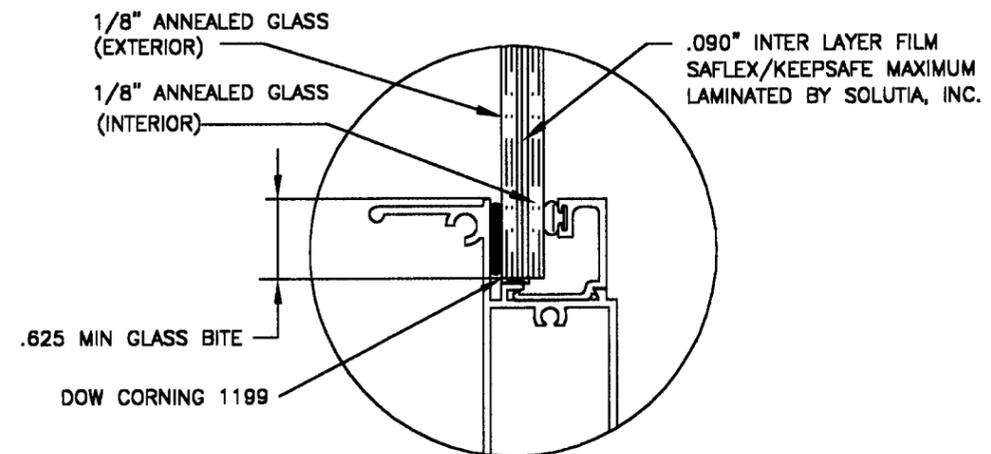
BOTTOM FRAME CORNER



5/16" OVERALL LAMINATED GLAZING DETAIL LARGE MISSILE



7/16" OVERALL LAMINATED GLAZING DETAIL LARGE MISSILE



5/16" OVERALL LAMINATED GLAZING DETAIL LARGE MISSILE

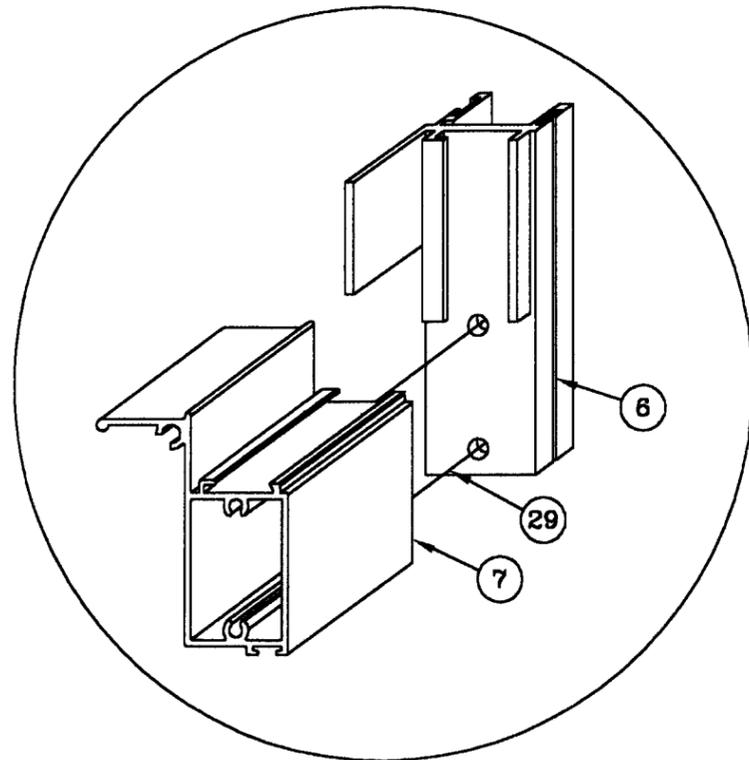
Approved as complying with the Florida Building Code
Date JAN. 2, 2003
NOA# 01-0904.06
Miami Dade Product Control Division
By *[Signature]*

SERIES: OMEGA
ALUMINUM SINGLE HUNG
IMPACT RESISTANT
DWG.#: 0733

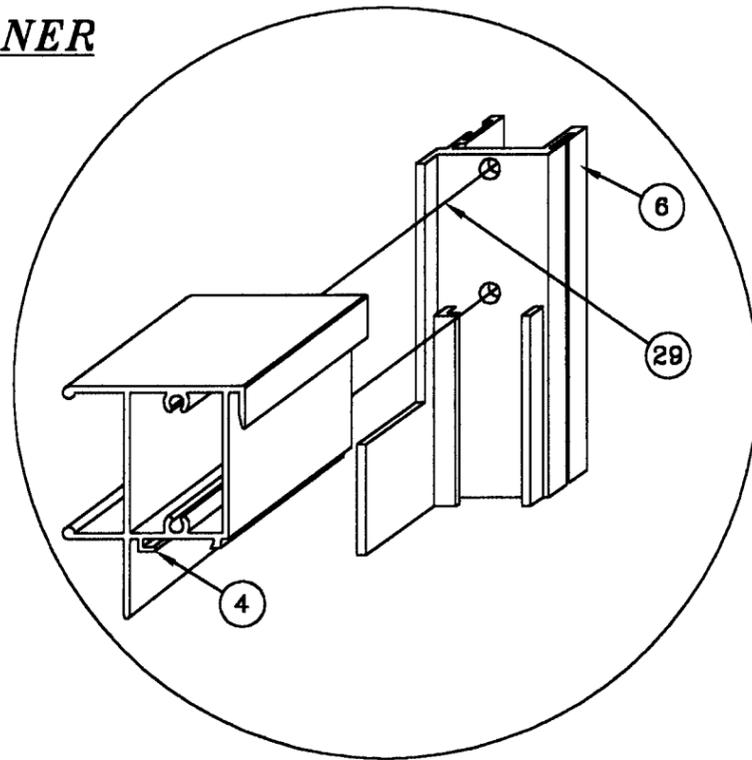
SERIES: OMEGA
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NORANDEX
BRADENTON, FL. 34207
PHONE: (941) 755-1591

NO.	DATE	REVISIONS DESCRIPTION
1	10/15/01	Modifications as per D.C.
2	4/16/02	Rev per JIM MOORE
3	10/16/02	Rev per MARKUPS RAB
4	12/11/02	Rev per Dede Crensy

DATE: 04/09/02
SCALE: N.T.S.
DWG. BY: J.R.M.
CHK. BY:
JOB NO.:
SHEET 4 OF 5
DWG. NO.:



BOTTOM VENT CORNER



TOP VENT CORNER

ITEM No	PART No	DESCRIPTION	QTY.	VENDOR
1	XIMP-1	FRAME JAMB FLANGE 6063-T5	2	PROFILE EXTRUSIONS
2	XIMP-2	FRAME HEAD FLANGE 6063-T5	1	PROFILE EXTRUSIONS
3	XIMP-3	FRAME SILL FLANGE 6063-T5	1	PROFILE EXTRUSIONS
4	XIMP-4	SASH TOP RAIL 6063-T5	1	PROFILE EXTRUSIONS
5	XIMP-5	FIXED CHECK RAIL 6063-T5	1	PROFILE EXTRUSIONS
6	XIMP-6	SASH STILE 6063-T5	2	PROFILE EXTRUSIONS
7	XIMP-7	SASH BOTTOM RAIL 6063-T5	1	PROFILE EXTRUSIONS
8	XIMP-8	SASH SNAP LATCH 6063-T5	2	PROFILE EXTRUSIONS
9	XIMP-9	GLAZING BEAD 5/8" 6063-T5	AS REQD.	PROFILE EXTRUSIONS
10	XIMP-10	GLAZING BEAD 3/8" 6063-T5	AS REQD.	PROFILE EXTRUSIONS
11	XIMP-11	GLAZING BEAD 1/4" 6063-T5	AS REQD.	PROFILE EXTRUSIONS
12	XIMP-12	SASH STOP	2	PROFILE EXTRUSIONS
13	XAVW-11	SCREEN FRAME STOCK	4	FLORIDA SCREEN
14	DH-127A	SCREEN SPLINE	AS REQD.	FLORIDA SCREEN
15	PROPOSED	SCREEN CORNER KEY	4	M&M PLASTICS
16	FLA-21A	SCREEN SPRING CLIP	2	CFC WIRE FORMS
17	AW-48-3	SCREEN PULL TAB	2	MOLD SAVER
18	PURCHASE	SCREEN 18X16 MESH	AS REQD.	PHIFER WIRE
19	HMP-229	TOP SASH GUIDE	2	M&M PLASTICS
20	HMP-228	SASH FACE GUIDE	2	M&M PLASTICS
21	PURCHASE	SUPER LIFT SPIRAL BALANCE	2	UNIQUE BALANCES
22	PURCHASE	ULTRA-LIFT SPIRAL BALANCE	2	CALDWELL BALANCES
23	IMP-002	.230 FIN-SEAL WOOLPILE	AS REQD.	AMESBURY
24	IMP-001	.310 FIN-SEAL WOOLPILE	AS REQD.	AMESBURY
25	DJD-52-A	BOTTOM RAIL WEATHER-STRIP	AS REQD.	VITRON
26	32304	VINYL BULB 5/8" GLAZING BEAD	AS REQD.	AMESBURY
26A	32082	VINYL BULB 3/8" GLAZING BEAD	AS REQD.	AMESBURY
26B	32304	VINYL BULB 1/4" GLAZING BEAD	AS REQD.	AMESBURY
27	PURCHASE	GLASS 5/16" LAM. W/.070 POLY.	2	SECURITY IMPACT GLASS
28A	PURCHASE	GLASS 5/16" LAM. W/.090 POLY.	2	SOLUTIA/HGP.
28B	PURCHASE	GLASS 7/16" LAM. W/.090 PVB	2	SOLUTIA/HGP.
29	F-8-34	#8-20 x 1" PH PAN HEAD	20	SPENCER PRODUCTS
30	F-8-27	#8 x 1" PH PAN HEAD TEK	2	SPENCER PRODUCTS
31	5731	SILICONE (OPTIONAL)	AS REQD.	SCHNEE MOREHEAD
32	1199	SILICONE (OPTIONAL)	AS REQD.	DOW CORNING
33	PURCHASE	1/4" X 2-3/4" TAP-CON	AS REQD.	I.T.W.
34	PURCHASE	.125" RUBBER SETTING BLOCK	AS REQD.	H.O. PRODUCTS
35	SJ5302A	.090" BUMPON VINYL SPACER	AS REQD.	3M PROTECTIVE PROD.
36	PROPOSED	LATCH SPRING	2	GREGG TOOL DIE

SERIES: OMEGA
ALUMINUM SINGLE HUNG
IMPACT RESISTANT
DWG.#: 0733

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PHONE: (941) 755-1591

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1	10/15/01	Modifications as per D.C.
2	4/10/02	Rev per JIM MOORE
3	10/10/02	Rev per MARAUPS RAB
4	12/11/02	Rev per Dade County

DATE: 04/09/02
SCALE: N.T.S.
DWG. BY: J.R.M.
CHK. BY:
JOB NO.:
SHEET 5 OF 5
DWG. NO.:

Approved as complying with the
Florida Building Code
Date JAN. 2, 2003
NOA# 01-0904-D6
Miami Dade Product Control
Division
By: *[Signature]*