



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

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Arch Aluminum & Glass Company
10200 N.W. 67th Street
Tamarac, FL 33321

Your application for Notice of Acceptance (NOA) of:

Series "Impact Wall 3000" Aluminum Fixed Window Wall System - Impact Resistant

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

Raul Rodriguez
Chief Product Control Division

ACCEPTANCE NO.: 01-0329.02
EXPIRES: 05/28/2006

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 05/17/2001



Arch Aluminum & Glass Company

ACCEPTANCE No.: 01-0329.02

APPROVED : MAY 17 2001

EXPIRES : May 28, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This **renews** the Notice of Acceptance No. 98-1216.06 which was issued on April 08, 1999. It approves an aluminum window wall system as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawing.

2. PRODUCT DESCRIPTION

2.1 The Series **"Impact Wall 3000" Aluminum Fixed Window Wall System – Large Missile Impact Resistant** and its components shall be constructed in strict compliance with the following document: Drawing No. **98-42**, Sheets 1 thru 3 of 3, titled "Impactwall 3000" Alum. Window Wall Sys., prepared by manufacturer, dated 12/09/98 with revision A dated 03/15/99, signed and sealed by Humayoun Farooq, 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. This document shall hereinafter be referred to as the approved drawing.

3. LIMITATIONS

3.1 This approval applies to multiple unit applications of an aluminum window wall system, limited only to the maximum height (span) and mullion spacing; for the Design Pressure Rating shown in approved drawing.

4. INSTALLATION:

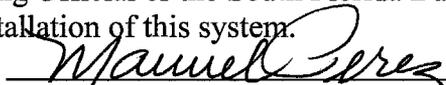
4.1 The aluminum window wall system and its components shall be installed in strict compliance with the approved drawings.
4.2 Hurricane protection system (shutters): The installation of this unit **will not require** a hurricane protection system.

5. LABELING

5.1 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".

6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by two copies of the following:
6.1.1 This Notice of Acceptance.
6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.


Manuel Perez, P.E., Product Control Examiner
Product Control Division

Arch Aluminum & Glass Company

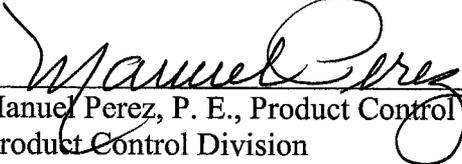
ACCEPTANCE No.: 01-0329.02

APPROVED : MAY 17 2001

EXPIRES : May 28, 2006

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.


Manuel Perez, P. E., Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE

Arch Aluminum & Glass Company

ACCEPTANCE No.: 01-0329.02

APPROVED : MAY 17 2001

EXPIRES : May 28, 2006

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

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **98-42**, Sheets 1 thru 3 of 3, titled "Impactwall 3000" Alum. Window Wall Sys., prepared by manufacturer, dated 12/09/98 with revision A dated 03/15/99, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

(Submitted under previous approval #98-1216.06)

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 203-94along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-1010**, dated Oct. 25, 1994, signed and sealed by Yamil Gerardo Kuri, 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 202-94along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2221**, dated Dec. 9, 1998, signed and sealed by Gilbert Diamond, P.E.

C. CALCULATIONS

(Submitted under previous approval #98-1216.06)

1. Anchor calculations and structural analysis, prepared by Al-Farooq Corp., dated 12/8/98, signed and sealed by Humayoun Farooq, P.E.

D. MATERIAL CERTIFICATIONS

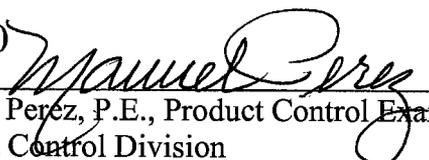
(Submitted under previous approval #98-1216.06)

1. Notice of Acceptance No. **97-1224.07** issued to Solutia, Inc. for "Polyvinyl Butyral Interlayer Saflex" approved on 06/25/1998, expiring on 01/09/2000.

E. STATEMENTS

1. Statement letter certifying that the product has not changed since the original NOA was issued and that the engineer is still in practice.

(Submitted under previous approval #98-1216.06)


Manuel Perez, P.E., Product Control Examiner
Product Control Division

Arch Aluminum & Glass L.C.

ACCEPTANCE No.: 01-0329.02

APPROVED : MAY 17 2001

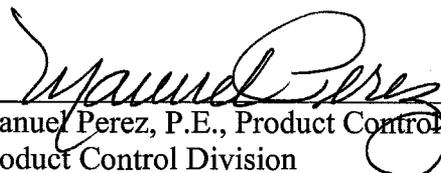
EXPIRES : May 28, 2006

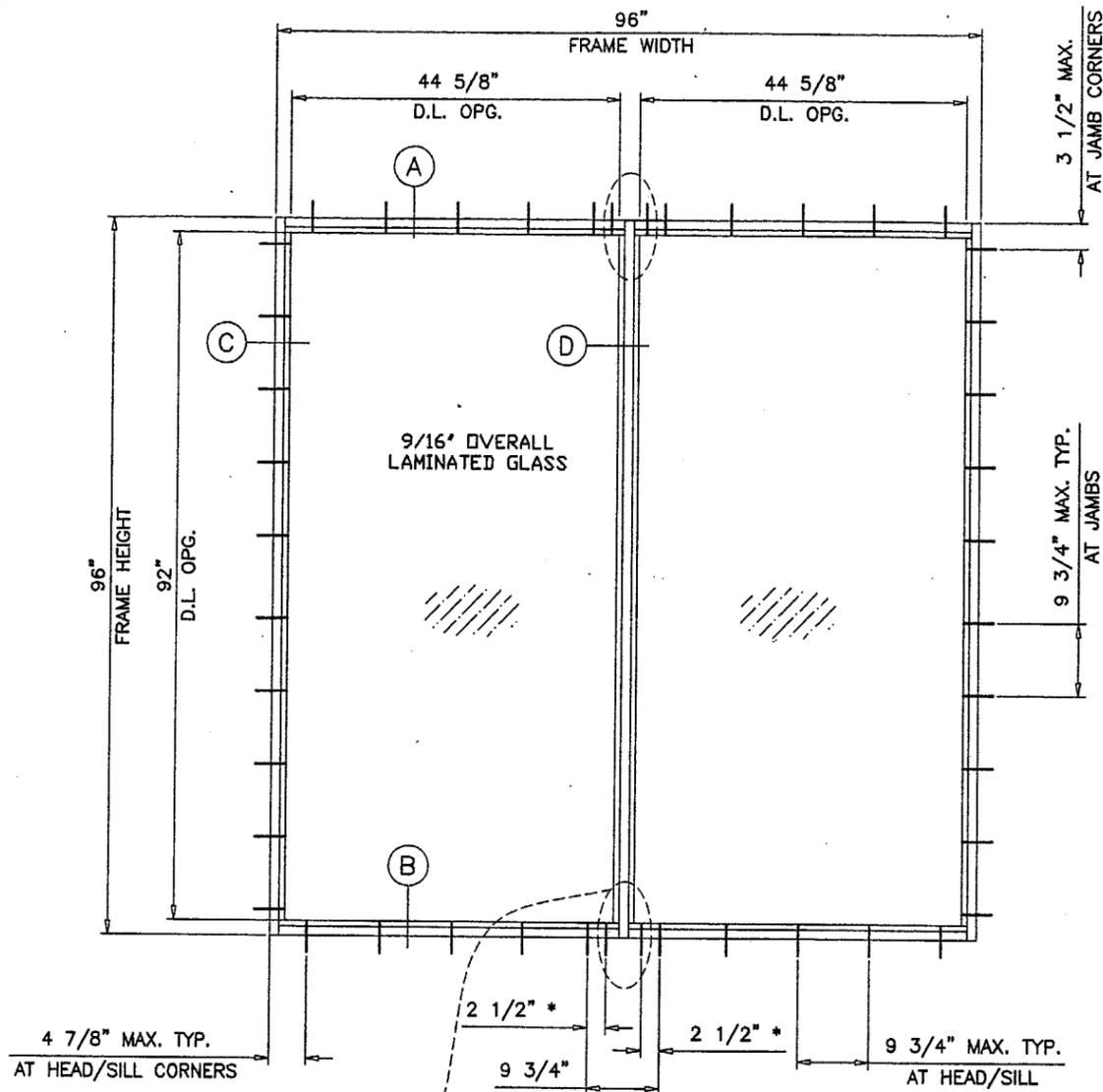
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED
(For File ONLY. Not part of NOA.)

2. Statement letter of compliance, dated December 11, 1998, signed by Humayoun Farooq, P.E.
3. Statement letter of no financial interest, dated December 11, 1998, signed by Humayoun Farooq, P.E.
4. Laboratory compliance letter for Test Report No. FTL-2221, issued by Fenestration Testing Laboratory, Inc., dated December 18, 1998, signed and sealed by Gilbert Diamond, P.E.

F. OTHER

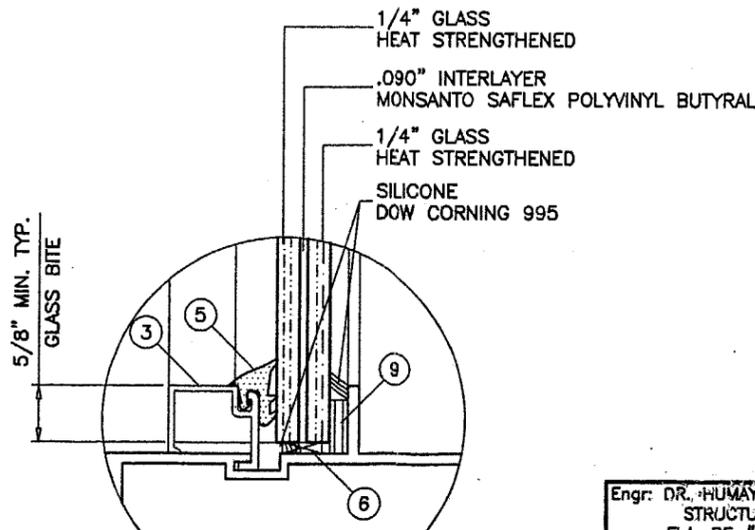
1. Notice of Acceptance No. **98-1216.06**, issued to Arch Aluminum & Glass L.C. for their Impact Wall 3000 Aluminum Window Wall System -Impact, approved on 04/08/98 and expiring on 05/28/01.
2. Glass complies with ASTM E-1300


Manuel Perez, P.E., Product Control Examiner
Product Control Division



* THESE (2) ADDITIONAL ANCHORS REQD. AT MULLION SIDES FOR INSTALLATIONS INTO WOOD STRUCTURE OR THRU WOOD BUCKS (HEAD & SILL)

TYPICAL ELEVATION TESTED UNIT



TYPICAL GLAZING DETAIL

NOTES:

1. THIS STRUCTURE IS DESIGNED AS PER THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR DADE COUNTY. ALSO FOR WIND LOADS AS PER ASCE 7-88 USING CORRESPONDING LOADS.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

9/16" OVERALL LAMINATED GLASS (IMPACT RESISTANT)			
DIMENSIONS		DESIGN LOAD CAPACITY-PSF	
PANEL WIDTH	PANEL HEIGHT	EXT. (+)	INT. (-)
30"	72"	86.7	87.3
36"		86.7	87.3
42"		86.7	87.3
48"		86.7	87.3
54"		86.7	87.3
60"		86.7	87.3
30"	78"	86.7	87.3
36"		86.7	87.3
42"		86.7	87.3
48"		86.7	87.3
54"		86.7	87.3
30"	84"	86.7	87.3
36"		86.7	87.3
42"		86.7	87.3
48"		86.7	87.3
54"		86.7	87.3
30"	90"	86.7	87.3
36"		86.7	87.3
42"		86.7	87.3
48"		86.7	87.3
30"	96"	86.7	87.3
36"		86.7	87.3
42"		86.7	87.3
48"		86.7	87.0

PRODUCT RENEWED

ACCEPTANCE No. 01-0329.02

EXPIRATION DATE 5-28-06

By *Manuel Perez*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE *April 08 1999*
BY *Manuel Perez*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *98-1216.06*

afc

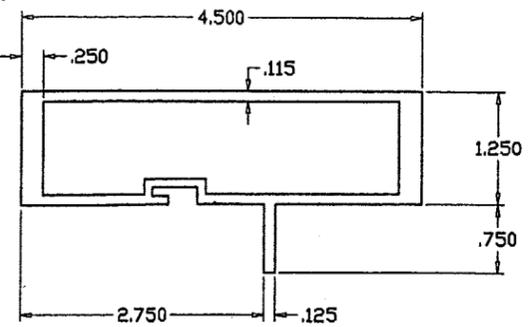
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE 98-42AA

IMPACTWALL 3000' ALUM WINDOW WALL SYS.
ARCH ALUMINUM & GLASS L.C.
10200 N.W. 67th street
TAMARAC, FL. 33321
TEL. (800) 432-8132 FAX. (954) 724-9293

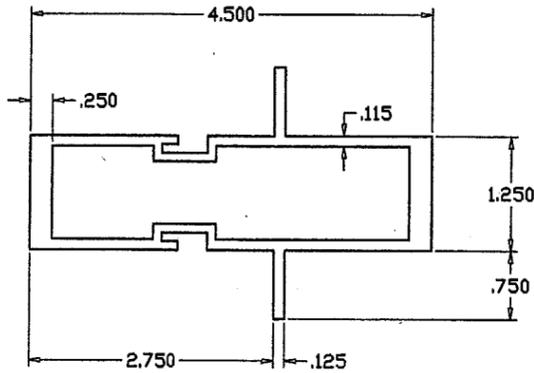
revisions:	no	date	description
	A	03.15.99	LAMINATE THICKNESS REVISED

date: 12-09-98
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

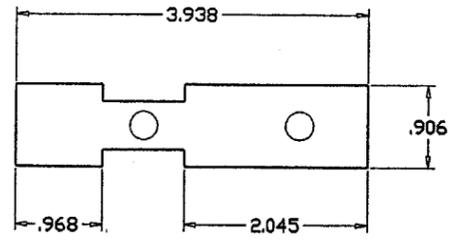
drawing no. **98-42**
sheet 1 of 3



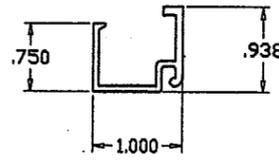
FRAME HEAD/SILL/JAMB



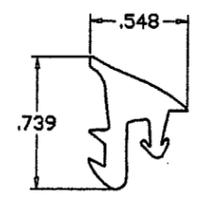
FRAME INTERMEDIATE MULLION



SHEAR BLOCK



GLAZING STOP



WEDGE-IN GASKET

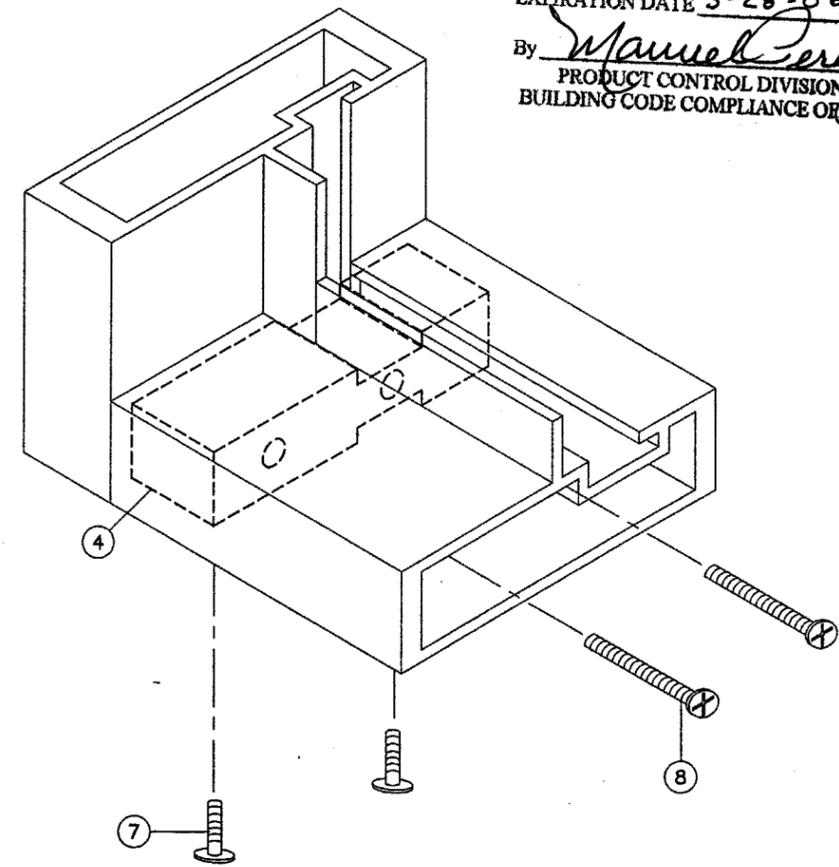
MATERIALS LIST					
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	3001	AS REQD.	FRAME HEAD/SILL/JAMB	6061-T6	ARCH ALUM & GLASS CO.
2	3002	AS REQD.	INTERMEDIATE MULLION	6061-T6	ARCH ALUM & GLASS CO.
3	3003	AS REQD.	GLAZING STOP	6061-T6	ARCH ALUM & GLASS CO.
4	3004	1/ CORNER	SHEAR BLOCK	ALUMINUM	-
5	H-63	AS REQD.	GLAZING GASKET	VINYL	UNIVERSAL RUBBER CO.
6	-	AS REQD.	SETTING BLOCK	NEOPRENE	-
7	#12-24 X 5/8"	2/ CONER	FLAT HEAD THREAD CUTTING SCREWS	-	-
8	1/4-20 X 1-1/2"	2/ CORNER	PAN HEAD MACHINE SCREWS	-	-
9	V2100	-	ADHESIVE FOAM TAPE	-	NORTON
10	-	-	-	-	-

PRODUCT RENEWED

ACCEPTANCE No. 01-0329.02

EXPIRATION DATE 5-28-06

By Manuel Perez
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE



FRAME CORNER

Engr. DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE. # 16557

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE April 08 1999
 BY Manuel Perez
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 98-1216.06

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revisions:	no	date	by	description

date: 12-09-98
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:
 drawing no.
98-42
 sheet 3 of 3