



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

Norandex Building Products
4504 30th Street West
Bradenton ,FL 34207

Your application for Notice of Acceptance (NOA) of:

Series 411 / 412 Aluminum horizontal Sliding glass Window (OXO)

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.

ACCEPTANCE NO.: 01-0216.04
EXPIRES: 09/20/2006

Raul Rodriguez
Chief Product Control Division

**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: 09/20/2001

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1 This approves an aluminum horizontal sliding glass window, 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 drawings.

2. PRODUCT DESCRIPTION

- 2.1 The Series "411/412" Aluminum Horizontal Sliding Glass Window (XOX)—and its components shall be constructed in strict compliance with the following documents: Drawing No **Dade-107**, titled "Series 411/412 H. P. Glider." Sheets 1 through 3 of 3 dated 10-09-00, last revised on 08-21-01, signed and sealed by Charles A. Pagen, 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. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

- 3.1 This approval applies to single unit applications only, as shown in approved drawings.

4. INSTALLATION

- 4.1 The aluminum horizontal sliding window 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 require** a hurricane protective 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 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.

Ishaq I. Chanda
Ishaq I. Chanda, P.E. Product Control Examiner
Product Control Division

Norandex Building Products

ACCEPTANCE No.: 01-0216.04

APPROVED : September 20, 2001

EXPIRES : September 20, 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.

Ishaq I. Chanda
Ishaq I. Chanda, P. E. Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE

Norandex Building Products

ACCEPTANCE No.: 01-0216.04

APPROVED : September 20, 2001

EXPIRES : September 20, 2006

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **Dade-107**, titled "Series 411/412 H. P. Glider." Sheets 1 through 3 of 3 dated 10-09-00, last revised on 08-21-01, signed and sealed by Charles A. Pagen, P. E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
4) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94
along with marked-up drawings and installation diagram of an aluminum horizontal slider, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL -2823 (00105) XO, FTL -2793 (00106) XO, FTL -2822 (00142) XO**, dated 10-02-00, 09-20-00 and 09-29-00 respectively, signed and sealed by Antonio Acevedo, P.E.

C. CALCULATIONS

1. Comparative analysis and structural analysis, prepared by Norandex Engineering, Inc, dated 1-24-2001, signed and sealed by, Charles A. Pagen, P.E.

D. MATERIAL CERTIFICATIONS

1. None

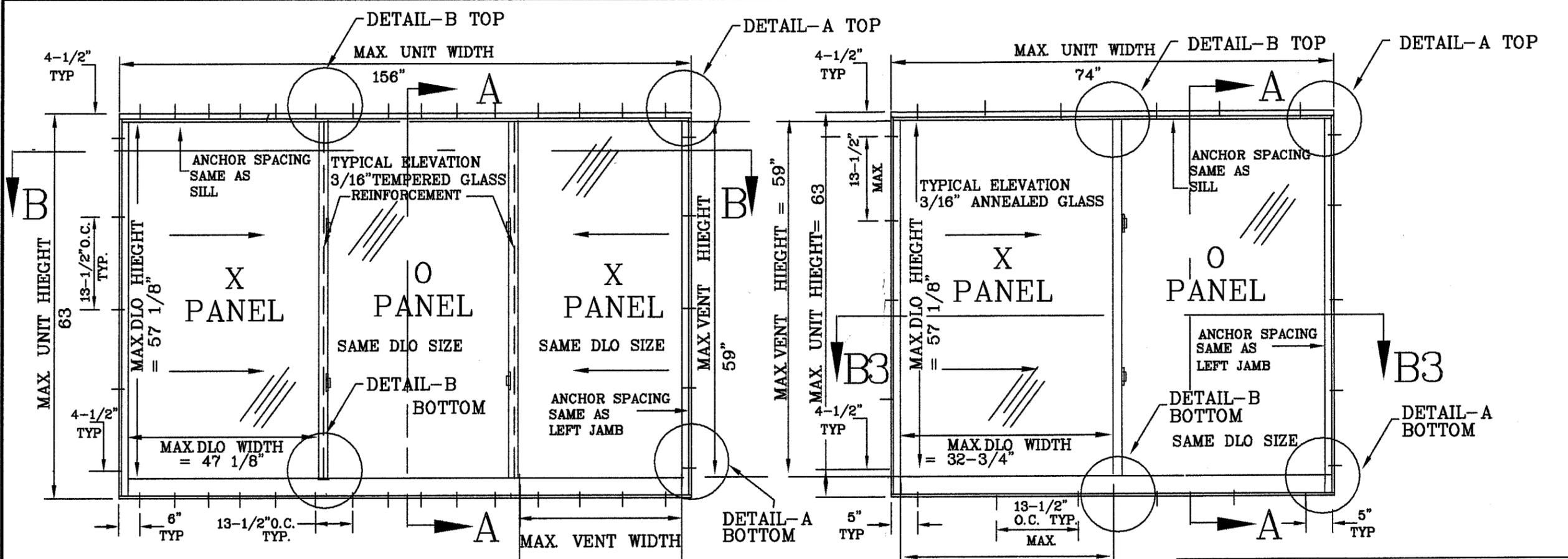
E. STATEMENTS

1. Statement letter of conformance, dated February 12, 2001, signed by Charles A. Pagen, P.E.
2. Statement letter of no financial interest, dated February 12, 2001, signed by Charles A. Pagen, P.E.
3. Statement letter of compliance issued by Fenestration testing laboratory, signed and sealed by Antonio Acevedo, P.E.

E. OTHER

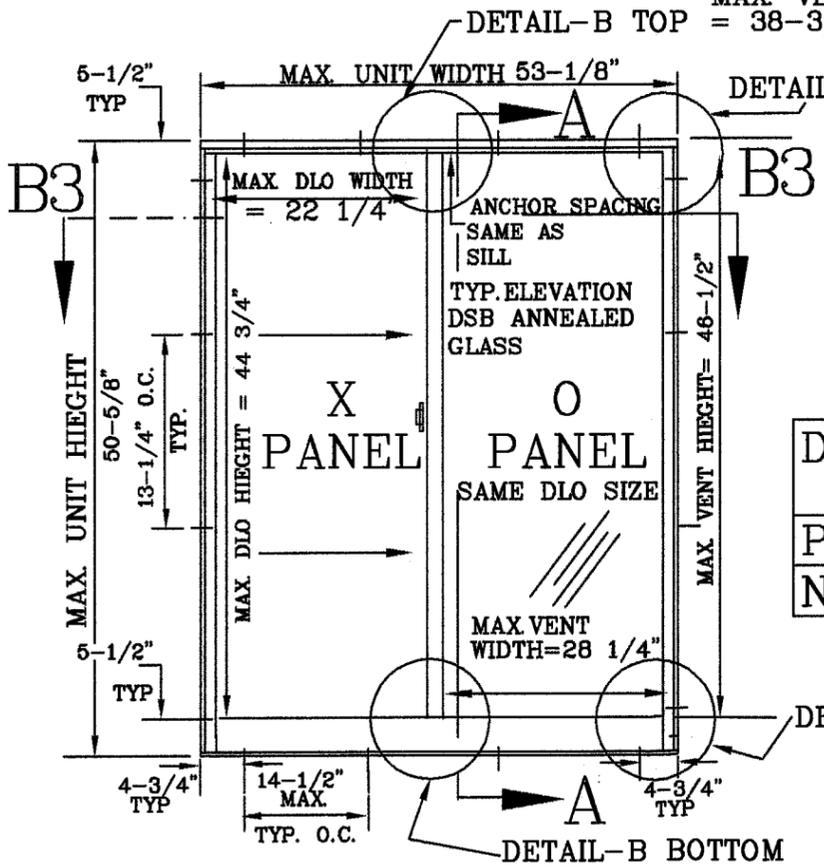
1. None

Ishaq I. Chanda
Ishaq I. Chanda, P. E., Product Control Examiner
Product Control Division



DESIGN PRESSURE RATING WITH 3/16" TEMP. GLASS	
POSITIVE	+ 60
NEGATIVE	- 60

DESIGN PRESSURE RATING WITH 3/16" ANN. GLASS	
POSITIVE	+ 45
NEGATIVE	- 45



DESIGN PRESSURE RATING WITH DSB ANN. GLASS	
POSITIVE	+ 35
NEGATIVE	- 35

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE SEPTEMBER 20, 2001
 BY: [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 01-0216-04

WOOD BUCKS NOT BY NORANDEX AND MUST SUSTAIN IMPOSED LOADS.

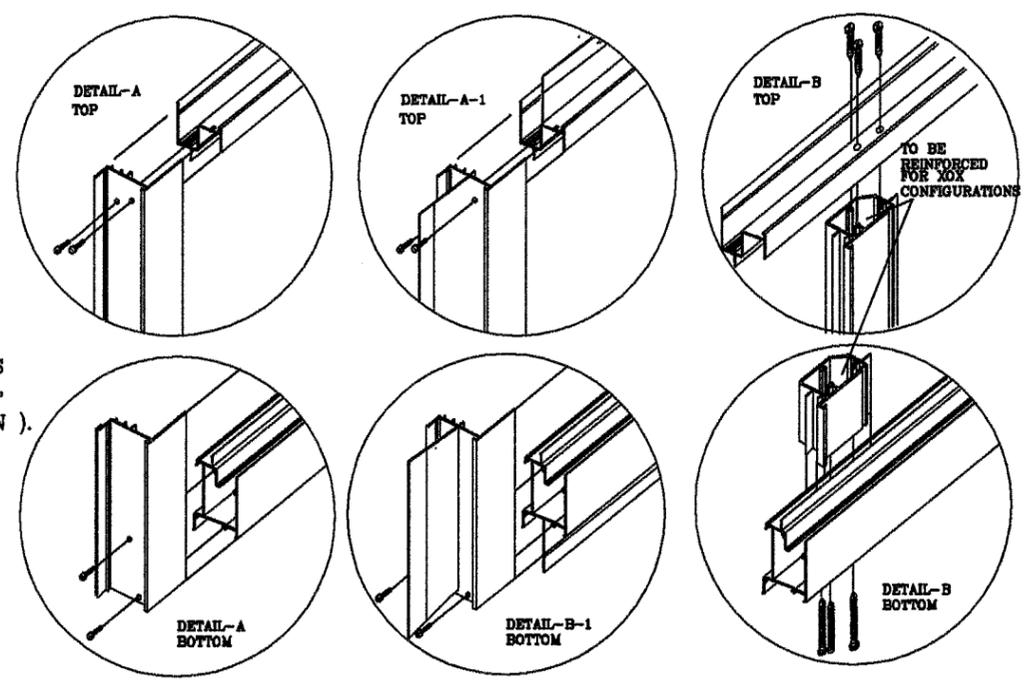
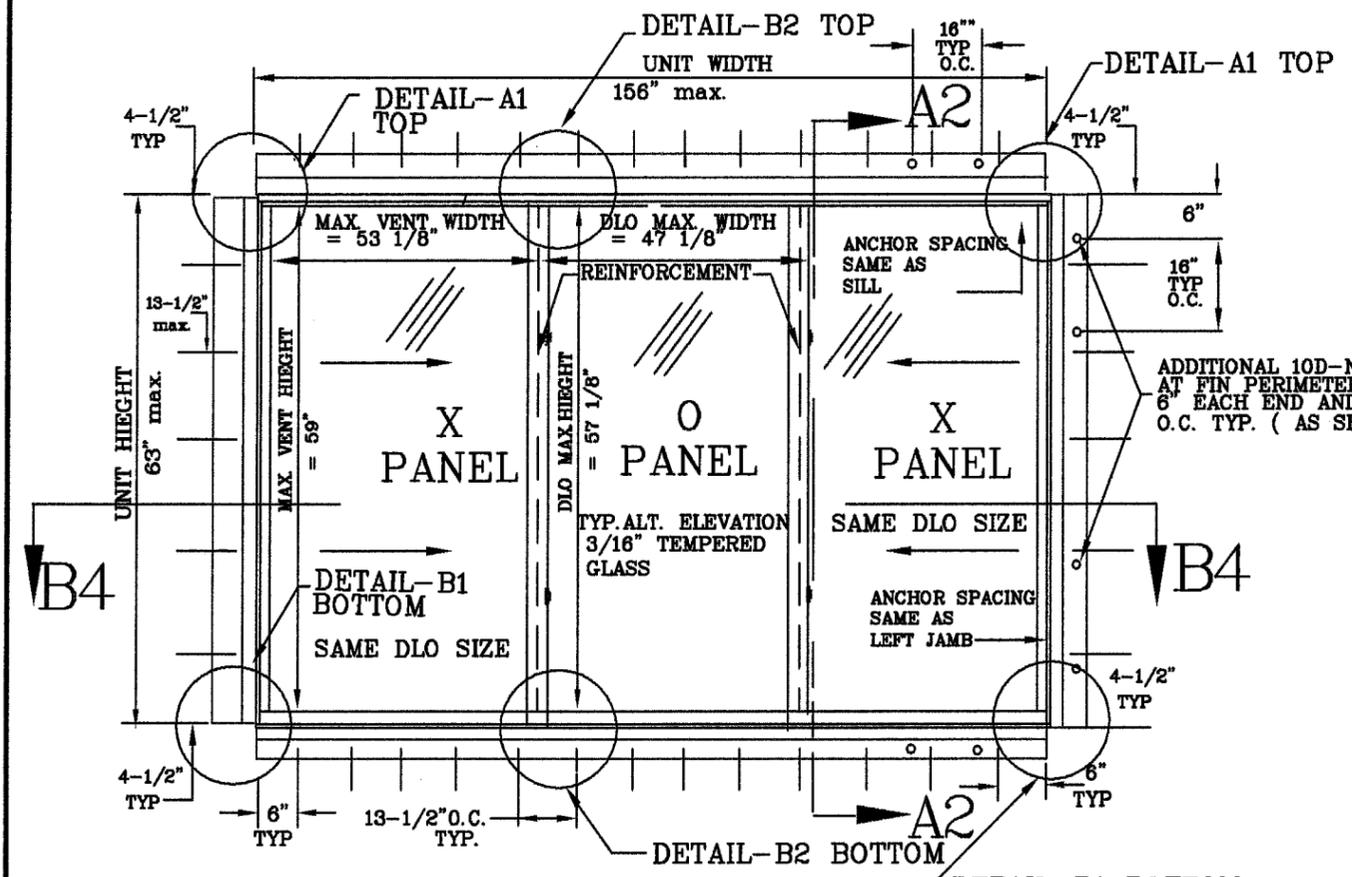
- NOTE:
- MIAMI-DADE COUNTY APPROVED SHUTTERS REQUIRED FOR INSTALLATION OF THESE UNITS.
 - FRAME CORNER & FIXED MEETING RAILS TO BE SEALED WITH SCHNEE-MOREHEAD SEALANT.
 - SEE SHEET 3 OF 3 FOR HORIZONTAL AND VERTICAL CROSS SECTIONS.

DLO = DAY LIGHT OPENING
 NON-IMPACT RESISTANT

CHARLES A. PAGEN, P.E.
 Fl. Reg. Eng. 49121

[Signature]

Date: 08/22/01

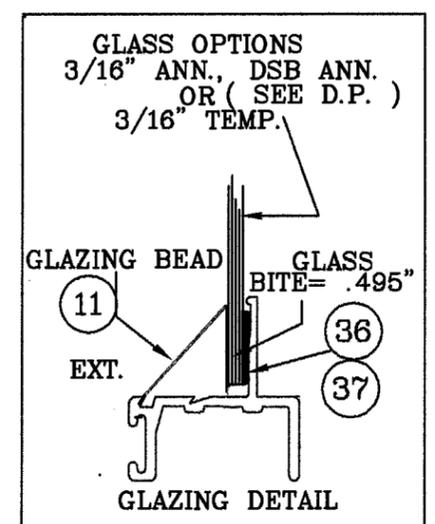


DESIGN PRESSURE RATING WITH 3/16" TEMP. GLASS	
POSITIVE	+ 60
NEGATIVE	- 60

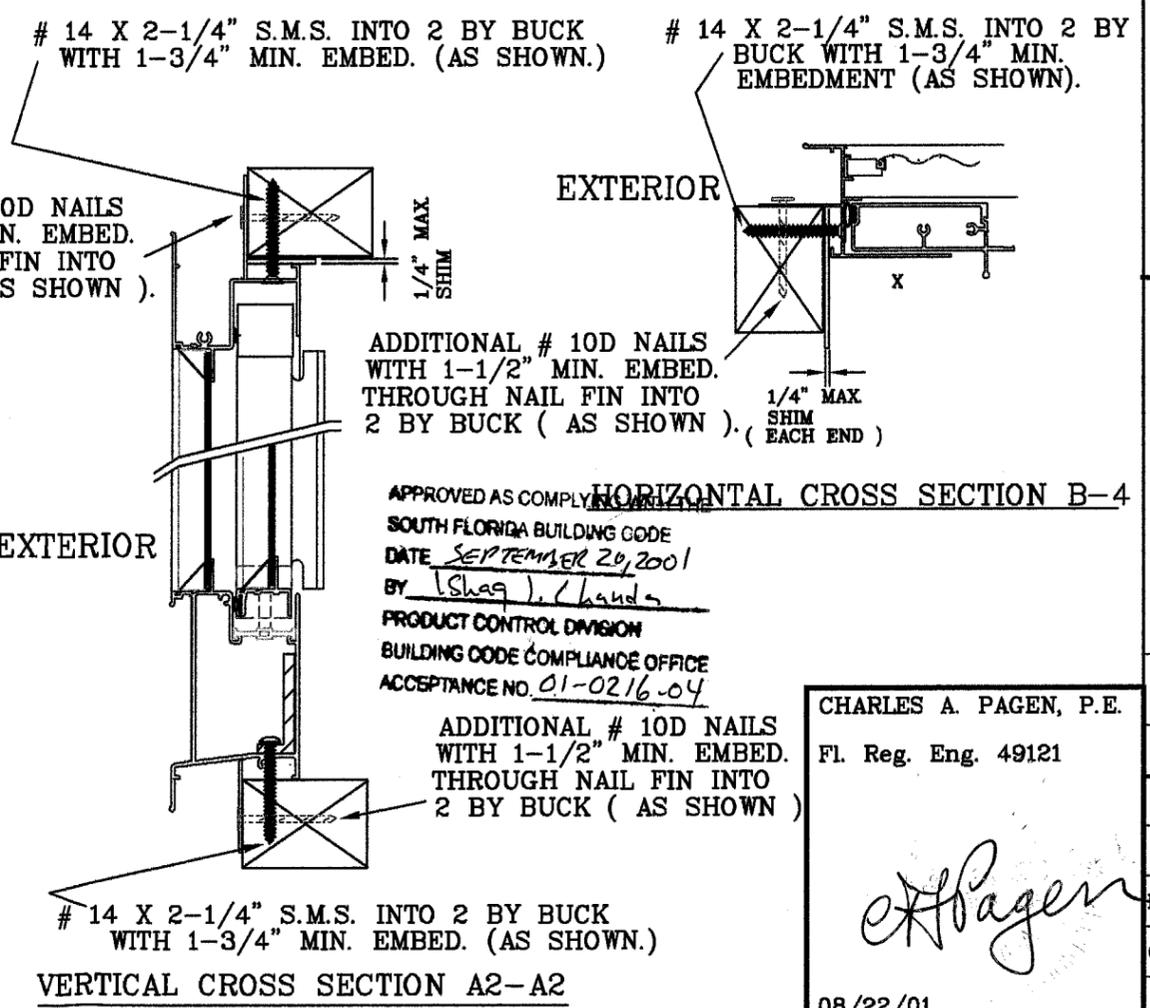
- NOTE:**
- MIAMI-DADE COUNTY APPROVED SHUTTERS REQUIRED FOR INSTALLATION OF THESE UNITS.
 - FRAME CORNER & FIXED MEETING RAILS TO BE SEALED WITH SCHNEE-MOREHEAD SEALANT.

- NOTE:**
- THIS WINDOW SYSTEM IS DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF 1994 DADE COUNTY EDITION OF THE SOUTH FLORIDA BUILDING CODE (S.F.B.C.) AND PROTOCOL PA202-94.

DLO = DAY LIGHT OPENING



NON-IMPACT RESISTANT



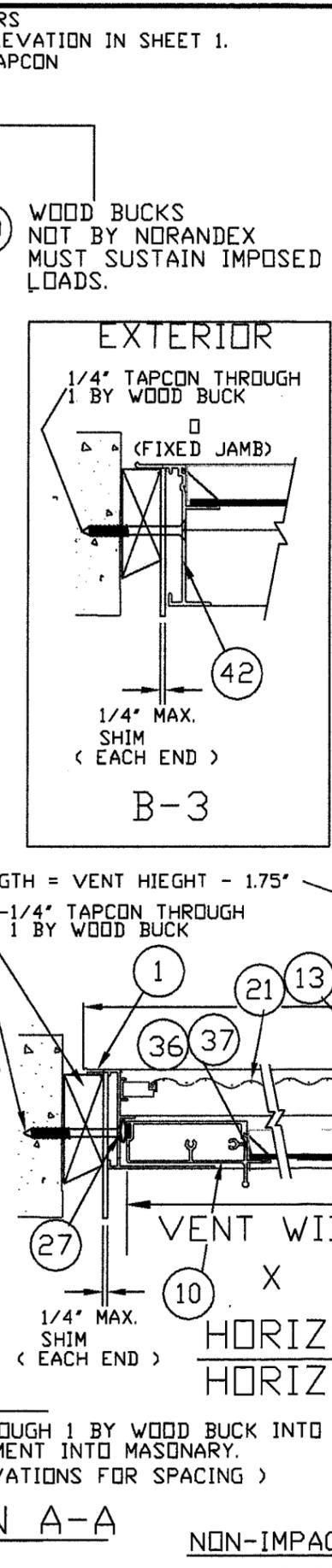
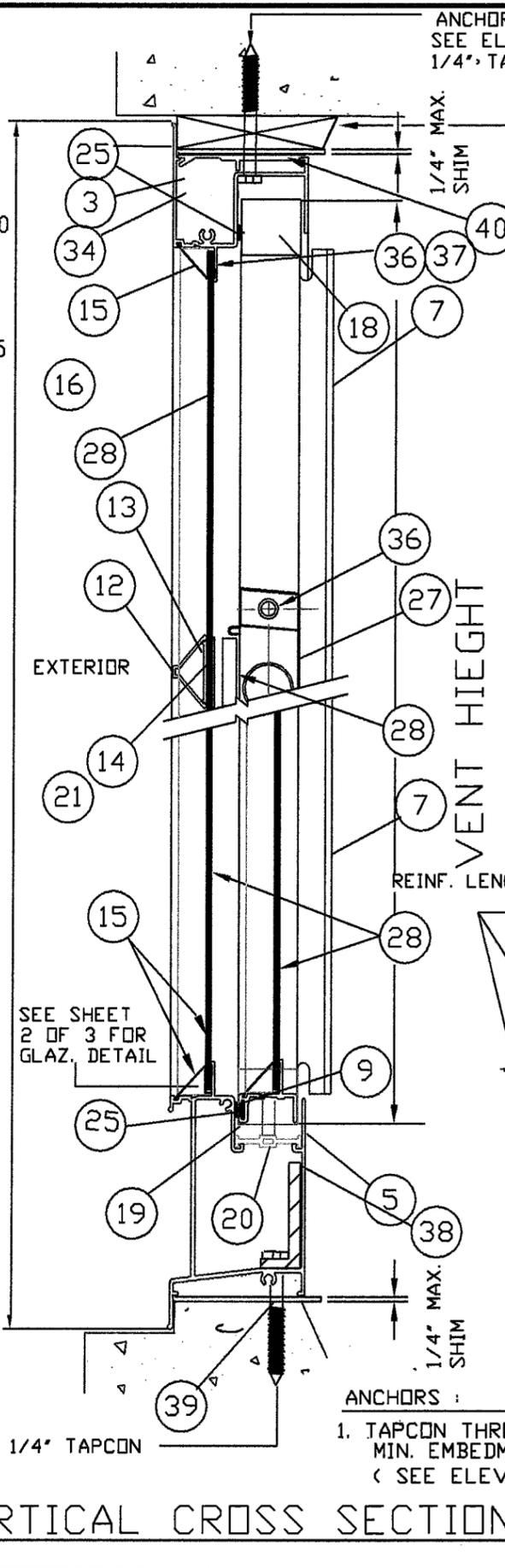
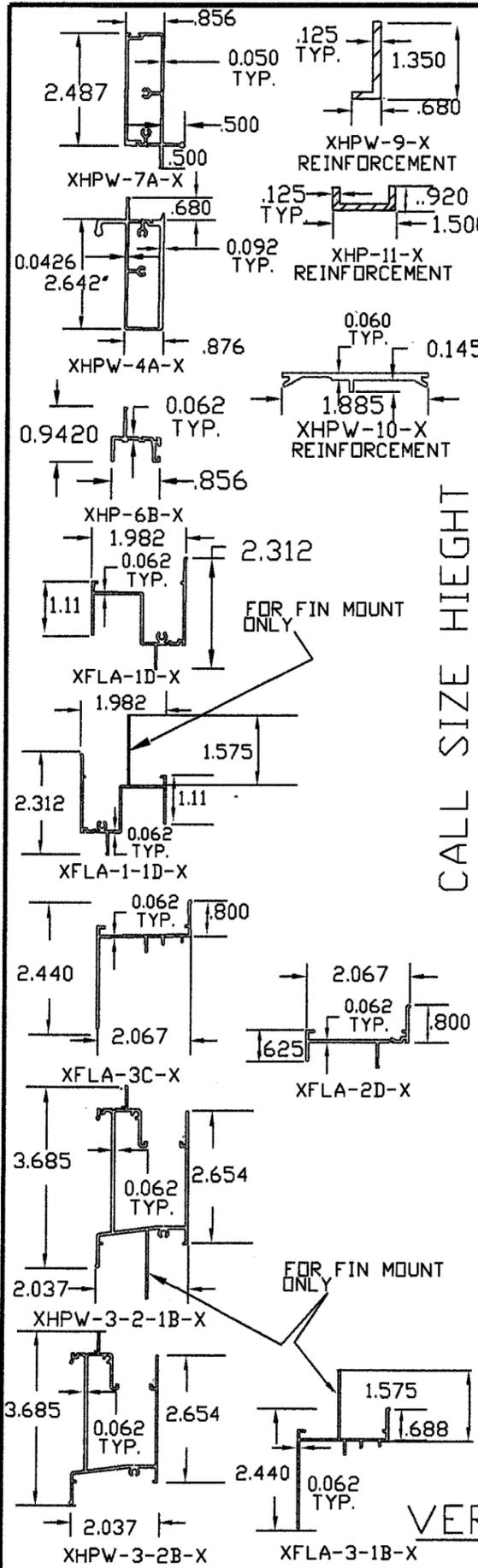
VERTICAL CROSS SECTION A2-A2

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE SEPTEMBER 29, 2001
 BY [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 01-0216-04

CHARLES A. PAGEN, P.E.
 Fl. Reg. Eng. 49121

[Signature]

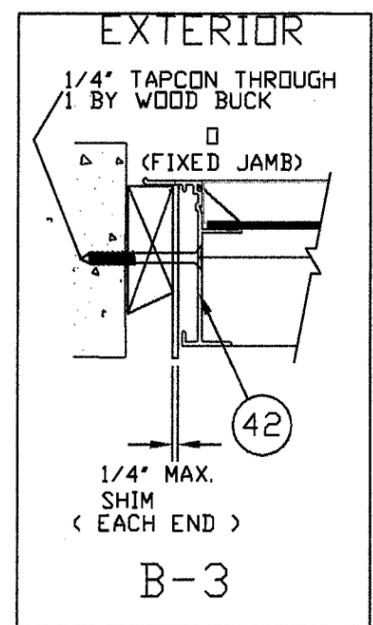
08/22/01



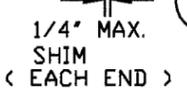
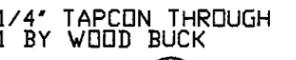
ITEM NO	PART NO	QTY.	DESCRIPTION	VENDOR
1	XFLA-3C-X	2	MOVING JAMB FLANGE 6063-T5	PROFILE EXTRUSIONS
2	XFLA-3-1B-X	2	MOVING JAMB FIN 6063-T5	PROFILE EXTRUSIONS
3	XFLA-1D-X	1	FRAME HEAD FLANGE 6063-T5	PROFILE EXTRUSIONS
4	XFLA-1-1C-X	1	FRAME HEAD FIN 6063-T5	PROFILE EXTRUSIONS
5	XHPW-3-2B-X	1	FRAME SILL FLANGE 6063-T5	PROFILE EXTRUSIONS
6	XHPW-3-2-1B-X	1	FRAME SILL FIN 6063-T5	PROFILE EXTRUSIONS
7	XHPW-4A-X	1	SASH LOCKSTILE 6063-T5	PROFILE EXTRUSIONS
8	XHPW-5-X	1	FIXED CHECKSTILE 6063-T5	PROFILE EXTRUSIONS
9	XHPW-6B-X	2	SASH JAMB 6063-T5	PROFILE EXTRUSIONS
10	XHPW-7A-X	2	SASH RAILSTILE 6063-T5	PROFILE EXTRUSIONS
11	XFLA-003A-X	AS REQ.	GLAZING BEAD	FLORIDA SCREEN
12	19-011	8	SCREEN FRAME STOCK	FLORIDA SCREEN
13	.140 DIA.	AS REQ.	SCREEN SPLINE	VITRON
14	HMP-223-1	8	SCREEN CORNER KEY	MOLD SAVER
15	FLA-21A	4	SCREEN SPRING CLIP	CFC WIRE FORMS
16	AW-48-3	4	SCREEN PULL TAB	MOLD SAVER
17	PURCHASE	AS REQ.	SCREEN 18X16 MESH	PHIFER WIRE
18	HMP-211A	4	TOP SASH GUIDE	SECURITY PLASTICS
19	HMP-212D	4	ROLLER HOUSING	SOUNDERS ENGINEERING
20	HEP-215B	1	SILL TRACK INSERT	VITRON
21	HML-28F	AS REQ.	WEEP HOLE COVER	SECURITY PLASTICS
22	HPW-1A	4	CHKSTILE COVER PLATE	BEAR'S METAL WORKS
23	9050-100	4	CAM LOCK 19-1/2" FROM EA. END	ALLEN STEVENS
24	FLA-14-1A	2	FACE MOUNT KEEPER	ALLEN STEVENS
25	SD-142	AS REQ.	.290 FIN SEAL WOOLPILE	ULTRA FAB
26	FLA-7-2	AS REQ.	.220 FINSEAL WOOL PILE	AMESBURY
27	DJD-52-A	AS REQ.	JAMBSTILE WEATHERSTRIP	VITRON
28	PURCHASE	3	GLASS DSB ANN, 3/16" ANN, 3/16" T.	PPG
29	F-4-2	4	#4X3/8" PH PAN HEAD TEK	PURCHASE
30	F-6-2	30	#6 - 20 X 1" PH PAN HEAD	PURCHASE
31	F-6-4	2	#6 X 1/2" PH FLAT HEAD	PURCHASE
32	F-6-5	8	#6 X 2 1/4" PH PAN HEAD	PURCHASE
33	F-6-12	4	#6 X 5/8" PH OVAL HEAD	PURCHASE
34	FLA-16	2	JAMB TO HEAD GASKET	H.Q. PRODUCTS
35	FLA-16-2	2	JAMB TO SILL GASKET	H.Q. PRODUCTS
36	1199 (DPTL.)	AS REQ.	SILICONE	DOW CORNING
37	5731 (DPTL.)	AS REQ.	SILICONE	SCHNEE MOREHEAD
38	XHPW-9-X	2	ALUM. SILL FASTENER ANGLE 6" LONG	PROFILE EXTRUSIONS
39	PURCHASE	AS REQ.	1/4" TAPCON 2-1/2"	ITW
40	XHPW-10-X	AS REQ.	HEAD STIFFENER	PROFILE EXTRUSIONS
41	XHP-11-X	2	ALUMINUM CHANNEL REINF.	PROFILE EXTRUSIONS
42	XFLA-2D-X	1	FIXED JAMB FLANGE 6063-T5	PROFILE EXTRUSIONS

ANCHORS
SEE ELEVATION IN SHEET 1.
1/4" TAPCON

WOOD BUCKS
NOT BY NORANDEX
MUST SUSTAIN IMPOSED
LOADS.



REINF. LENGTH = VENT HEIGHT - 1.75"



- ANCHORS:
1. TAPCON THROUGH 1 BY WOOD BUCK INTO MASONRY, WITH 1-1/4" MIN. EMBEDMENT INTO MASONRY. (SEE ELEVATIONS FOR SPACING)

VERTICAL CROSS SECTION A-A

NON-IMPACT RESISTANT

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE SEPTEMBER 20, 2001
BY Charles A. Pagen
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0216-04

CHARLES A PAGEN, P.E.
Fl. Reg. Eng. 49121

Charles A. Pagen

Date: 08/22/01

norandex
4504 30th St. West
Bradenton, FL 34207

PROJECT: SERIES 411/412
H. P. GLIDER
DWG#: DADE -107

NO.	DATE	REVISIONS: BY JIM MOORE 08/21/01

DATE: 10/9/00
SCALE: NONE
DWG. BY: J. R. M
CHK. BY: _____
SHEET 3 OF 3