



MIAMI-DADE
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 "417/418" Aluminum Single Hung Window

APPROVAL DOCUMENT: Drawing No: **01-0734**, titled "Series: 417/418 Aluminum Single Hung Window", sheets 1 through 6, prepared by manufacturer, dated 7/24/01, with revision No.3 dated 11/26/02, 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: None

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 01-0904.05
Expiration Date: December 19, 2007
Approval Date: December 19, 2002
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 **01-0734**, Sheets 1 through 6 of 6, titled "Series 417/418 Aluminum Single Hung Window", dated 7/24/01, with revision No.3 dated 11/26/02, 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) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94
along with marked-up drawings and installation diagram of Series "417/418" Aluminum Single Hung Window, prepared by Certified Testing Laboratories, Test Report No. **CTLA-690W**, dated May 23, 2001, signed and sealed by Ramesh C. Patel, P.E.

C. CALCULATIONS

1. Anchor calculations and structural analysis, dated 04/18/02 and revised on 10/9/02, prepared, signed and sealed by Kelvyn Whitfield, P.E.

D. MATERIAL CERTIFICATIONS

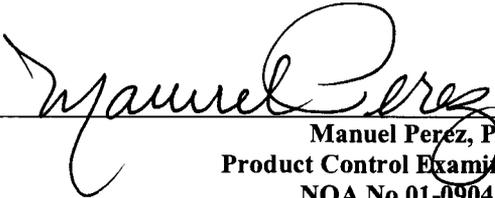
1. None

E. STATEMENTS

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

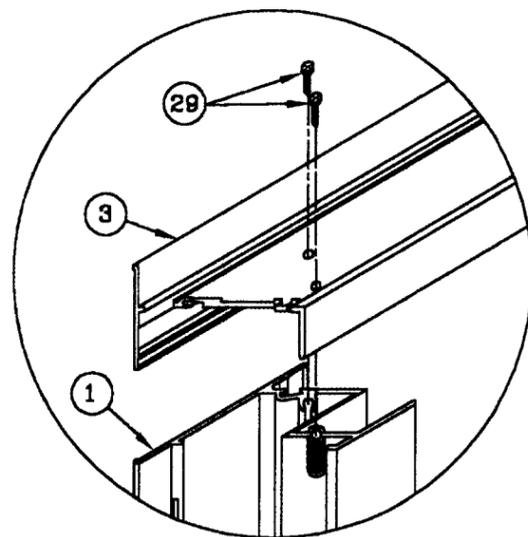
F. OTHER

1. None.

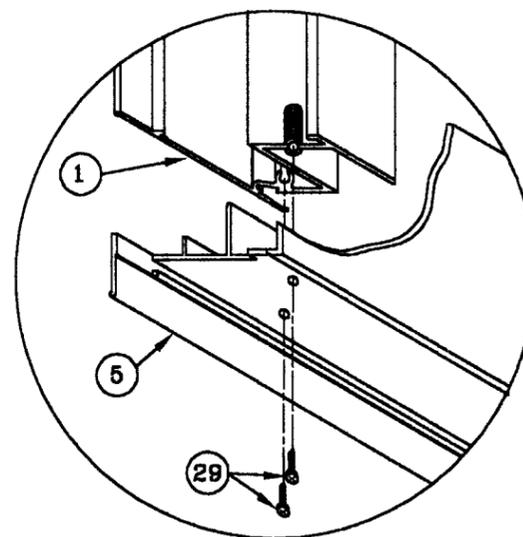


Manuel Perez, P.E.
Product Control Examiner
NOA No 01-0904.05

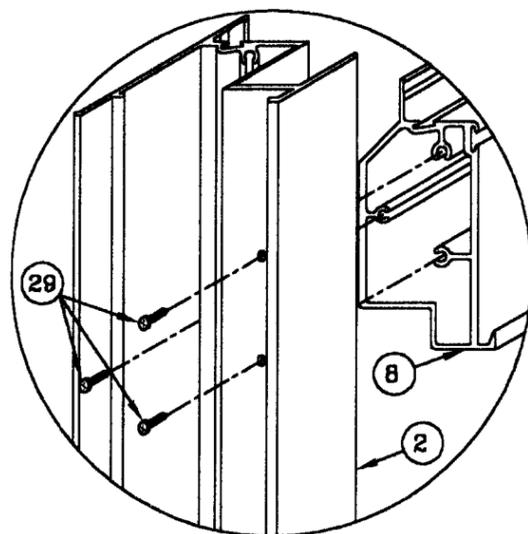
Expiration Date: December 19, 2007
Approval Date: December 19, 2002



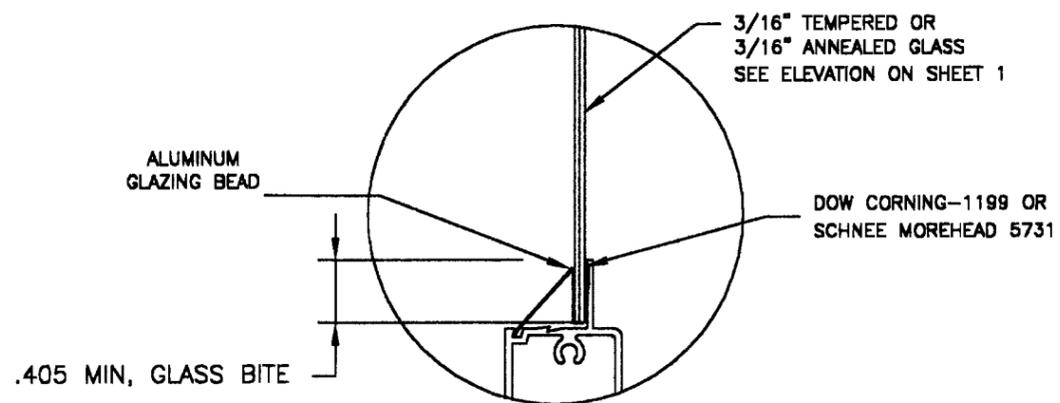
**FLANGE UNIT
FRAME TOP
CORNER DETAIL**



**FLANGE UNIT
FRAME BOTTOM
CORNER DETAIL**



**FLANGE UNIT
FRAME JAMB
INTERMEDIATE DETAIL**



GLAZING DETAIL

NON-IMPACT RESISTANT

Approved as complying with the
Florida Building Code
Date: JAN 2, 2003
NOA# 01-0904.05
Miami Dade Product Control
Division
By: Manuel Perez

**417/418 ALUMINUM
SINGLE HUNG WINDOW
FLANGE
ASSEMBLY DETAILS**

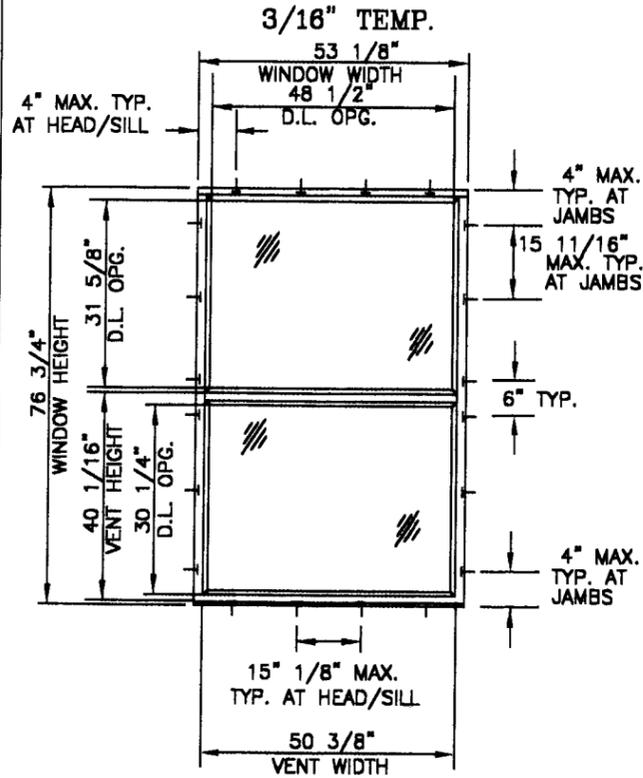
**SERIES: 417/418 ALUMINUM
SINGLE HUNG WINDOW**

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

NO.	DATE	REVISIONS DESCRIPTION
1	10/15/01	Modifications per D.C.
2	9/20/02	Rev per Dade meeting RLB
3	11/25/02	Rev per Dade County

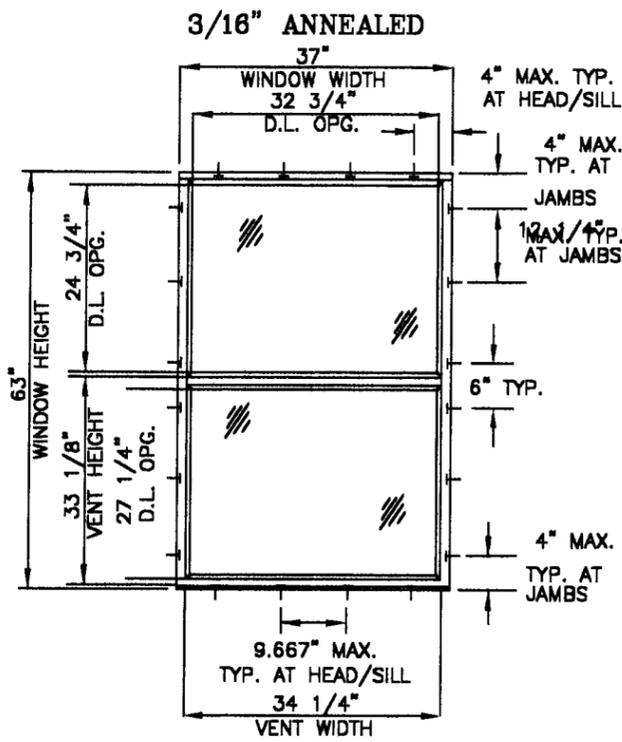
DATE: 7/24/01	JOB NO.: 01-0734
SCALE: N.T.S.	SHEET 2 OF 6
DWG. BY: J.S.	DWG. NO.: 01-0734
CHK. BY:	

FLANGE MOUNT



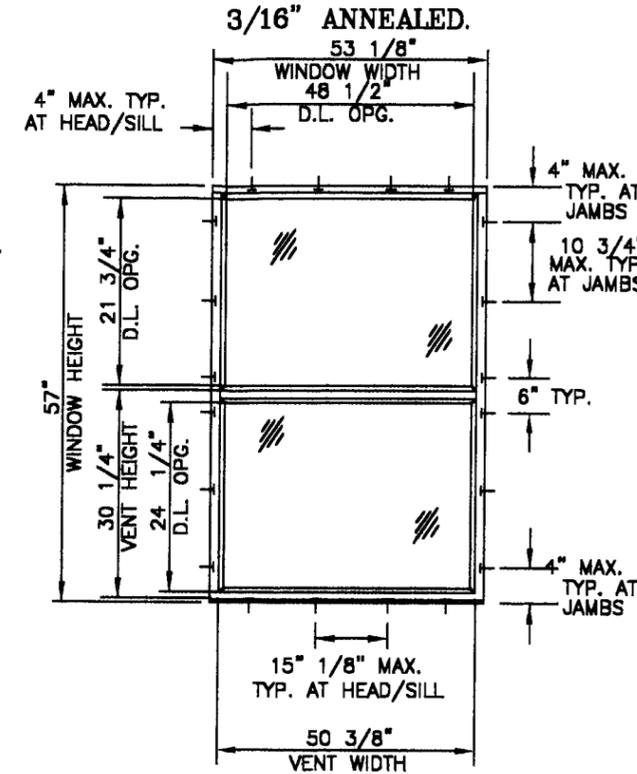
FOR WINDOWS UP TO:
53 1/8" x 76 3/4"

DESIGN PRESSURE RATING WITH 3/16" TEMPERED GLASS	
POSITIVE	70.0 PSF
NEGATIVE	70.0 PSF



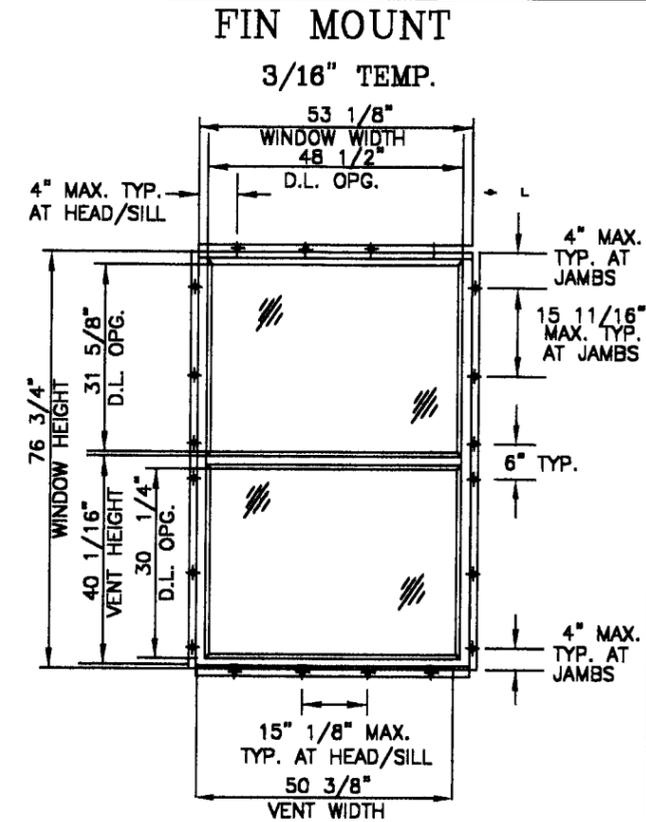
FOR WINDOWS UP TO:
37" x 63"

DESIGN PRESSURE RATING WITH 3/16" ANNEALED	
POSITIVE	73.0 PSF
NEGATIVE	73.0 PSF



FOR WINDOWS UP TO:
53 1/8" x 57"

DESIGN PRESSURE RATING WITH 3/16" ANNEALED GLASS	
POSITIVE	58.7 PSF
NEGATIVE	58.7 PSF



FOR WINDOWS UP TO:
53 1/8" x 76 3/4"

DESIGN PRESSURE RATING WITH 3/16" TEMPERED GLASS	
POSITIVE	70.0 PSF
NEGATIVE	70.0 PSF

417/418 ALUMINUM
SINGLE HUNG WINDOW
FLANGE AND FIN
ELEVATIONS

SERIES: 417/418 ALUMINUM
SINGLE HUNG WINDOW
NORANDEX
BRADENTON, FL. 34207
PHONE: (941) 755-1591

NOTE:

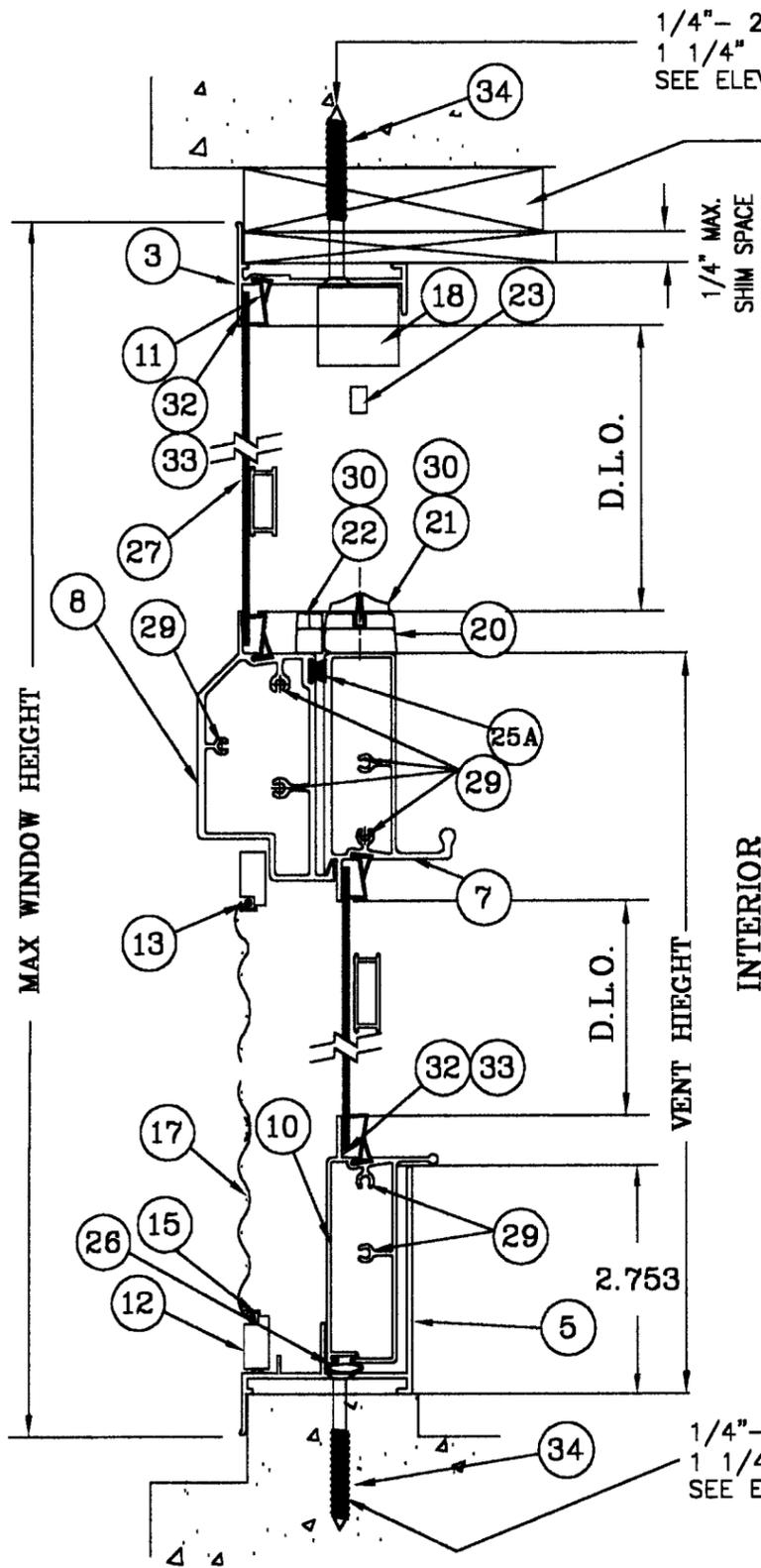
1. MIAMI-DADE COUNTY APPROVED SHUTTERS REQUIRED FOR INSTALLATION OF THESE UNITS.
2. 2X WOOD BUCK MUST PROPERLY BE ANCHORED TO CARRY ALL IMPOSED LOADS BY THE WINDOWS AND MUST BE REVIEWED AND APPROVED BY THE ARCHITECT OR ENGINEER OF RECORDS.
3. FOR VERTICAL CROSS SECTIONS SEE SHEET 3 OF 6.
4. FOR HORIZONTAL CROSS SECTIONS SEE SHEET 4 OF 6.

NON-IMPACT RESISTANT

Approved as complying with the Florida Building Code
Date JAN. 2, 2003
NOA# 01-0904.05
Miami Dade Product Control Division
By Manuel Perez

DATE: 7/24/01	NO. DATE	NO. DATE	NO. DATE	NO. DATE
SCALE: N.T.S.	1 10/15/01	2 9/29/02	3 11/25/03	
DWG. BY: J.S.	Modifications as per D.C.	Rev per Dade Markup RAE	Rev per Dade County	
CHK. BY:				
JOB NO.: 01-0794				
SHEET 1 OF 6				
DWG. NO.: 01-0794				
				REVISIONS DESCRIPTION

EXTERIOR



1/4" - 2 1/4" TAPCON BY I.T.W. WITH A
1 1/4" MIN. EMBEDMENT INTO CONCRETE
SEE ELEVATIONS FOR SPACINGS.

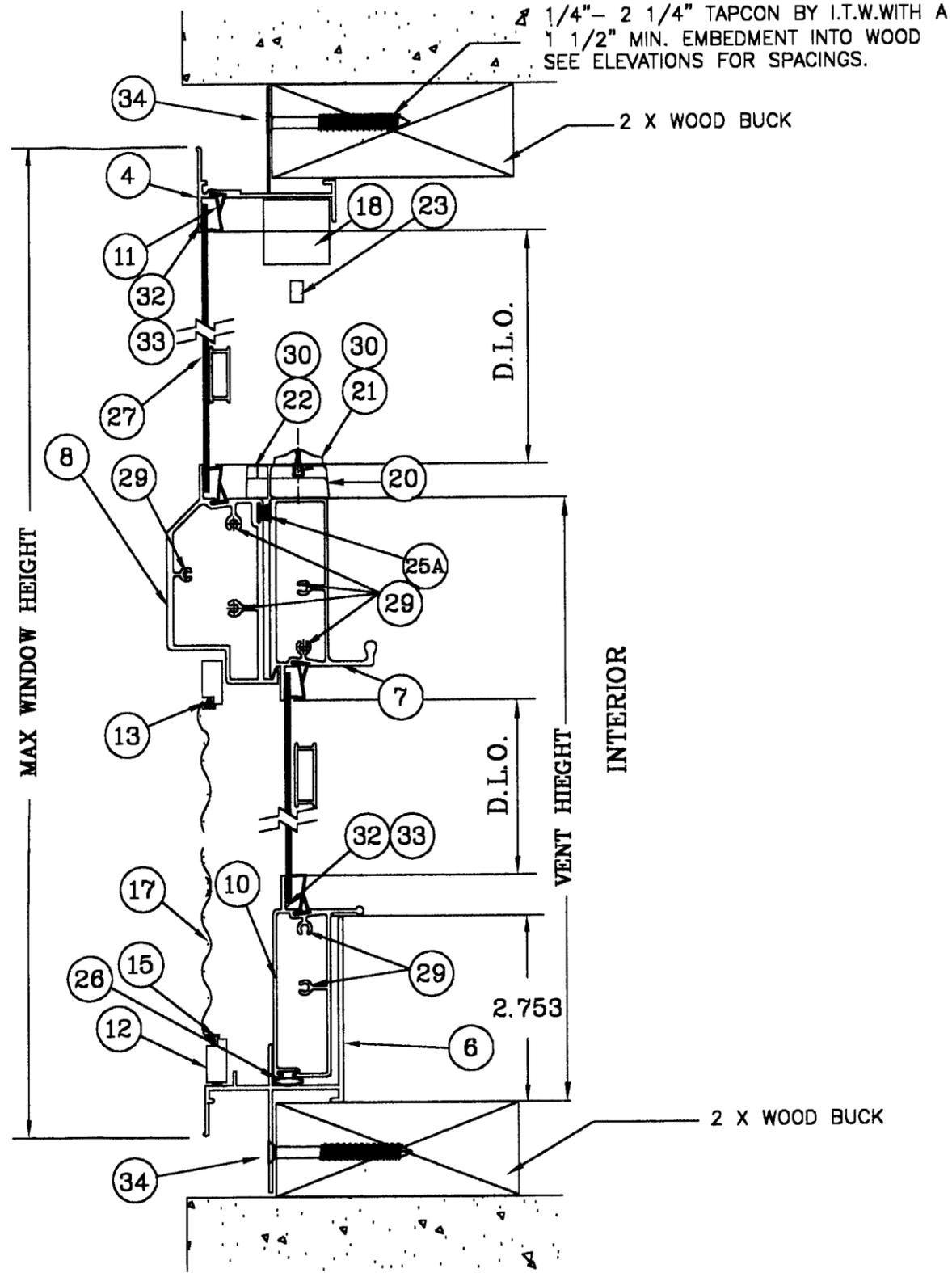
1 X WOOD BUCK

1/4" MAX.
SHIM SPACE

1/4" - 2 1/4" TAPCON BY I.T.W. WITH A
1 1/4" MIN. EMBEDMENT INTO CONCRETE
SEE ELEVATIONS FOR SPACINGS.

**FLANGE UNIT
VERTICAL CROSS SECTION**

EXTERIOR



1/4" - 2 1/4" TAPCON BY I.T.W. WITH A
1 1/2" MIN. EMBEDMENT INTO WOOD
SEE ELEVATIONS FOR SPACINGS.

2 X WOOD BUCK

2 X WOOD BUCK

**FIN UNIT
VERTICAL CROSS SECTION**

Approved as complying with the
Florida Building Code
Date JAN. 2, 2003
NOA# 01-0904.05
Miami Dade Product Control
Division
By *Manuel Perry*

**417/418 ALUMINUM
SINGLE HUNG WINDOW
VETRICAL
CROSS SECTIONS**

**SERIES: 417/418 ALUMINUM
SINGLE HUNG WINDOW**
NORANDEX
BRADENTON, FL. 34207
PHONE: (941) 755-1591

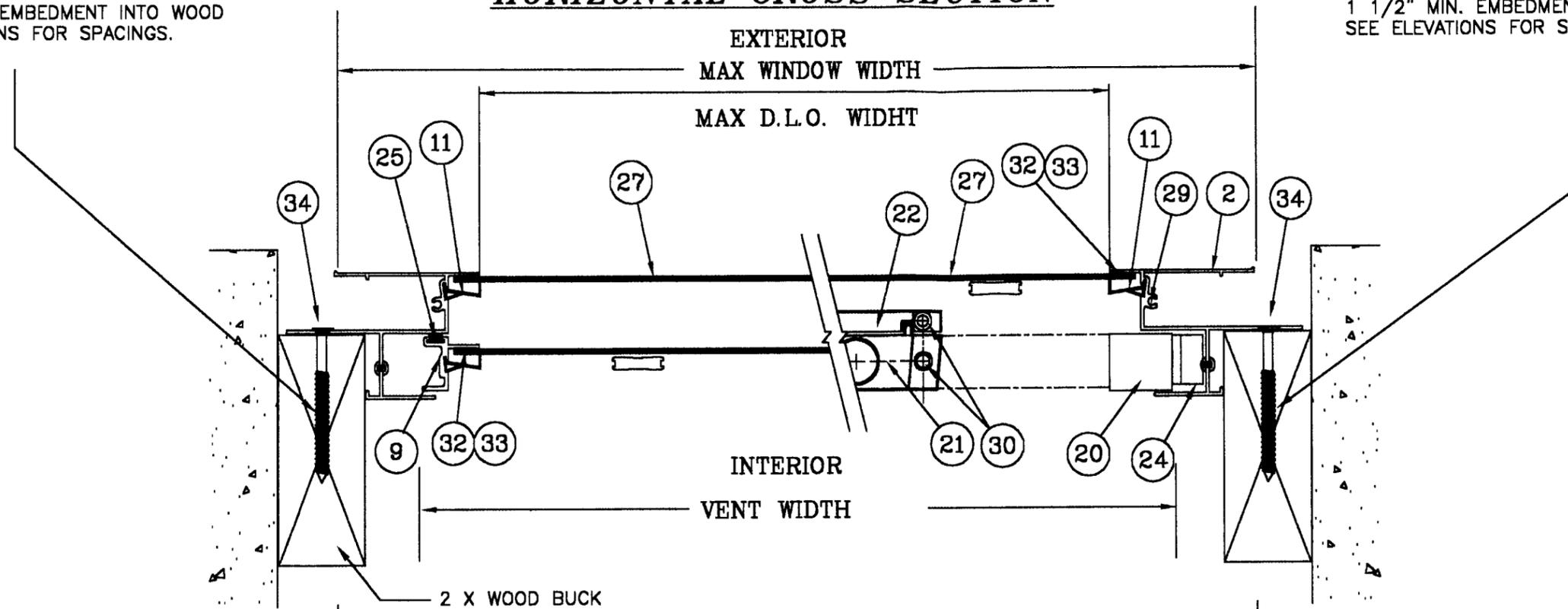
NO.	DATE	DESCRIPTION
1	10/15/01	Modifications per D.C.
2	9/20/02	Rev per Dade markup RAE
3	11/26/02	Rev per Dade County
REVISIONS DESCRIPTION		

DATE: 7/24/01
SCALE: N.T.S.
DWG. BY: J.S.
CHK. BY:
JOB NO.: 01-0734
SHEET 3 OF 6
DWG. NO.: 01-0734

**FIN UNIT
HORIZONTAL CROSS SECTION**

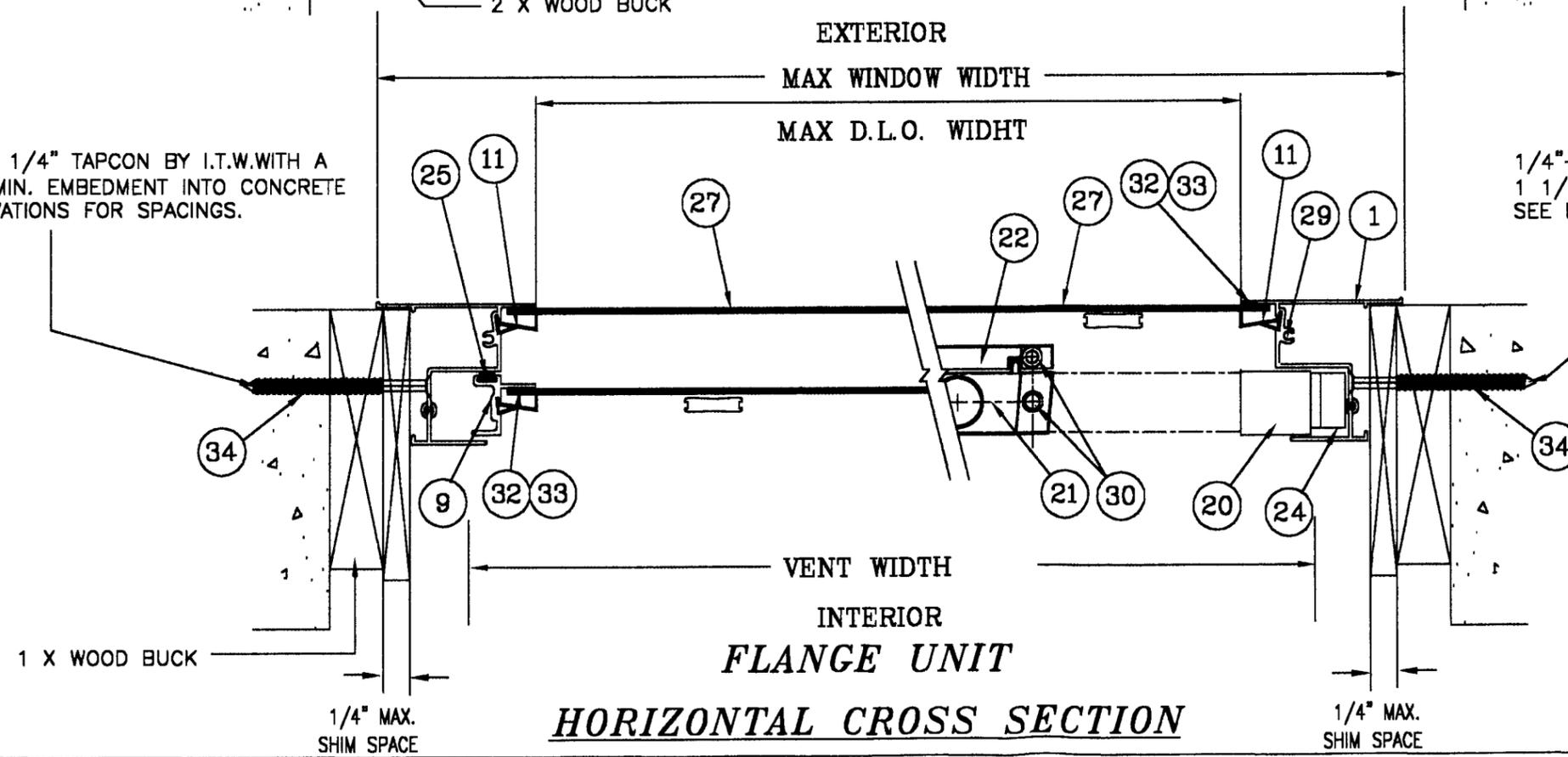
1/4" - 2 1/4" TAPCON BY I.T.W. WITH A
1 1/2" MIN. EMBEDMENT INTO WOOD
SEE ELEVATIONS FOR SPACINGS.

1/4" - 2 1/4" TAPCON BY I.T.W. WITH A
1 1/2" MIN. EMBEDMENT INTO WOOD
SEE ELEVATIONS FOR SPACINGS.



1/4" - 2 1/4" TAPCON BY I.T.W. WITH A
1 1/4" MIN. EMBEDMENT INTO CONCRETE
SEE ELEVATIONS FOR SPACINGS.

1/4" - 2 1/4" TAPCON BY I.T.W. WITH A
1 1/4" MIN. EMBEDMENT INTO CONCRETE
SEE ELEVATIONS FOR SPACINGS.



**FLANGE UNIT
HORIZONTAL CROSS SECTION**

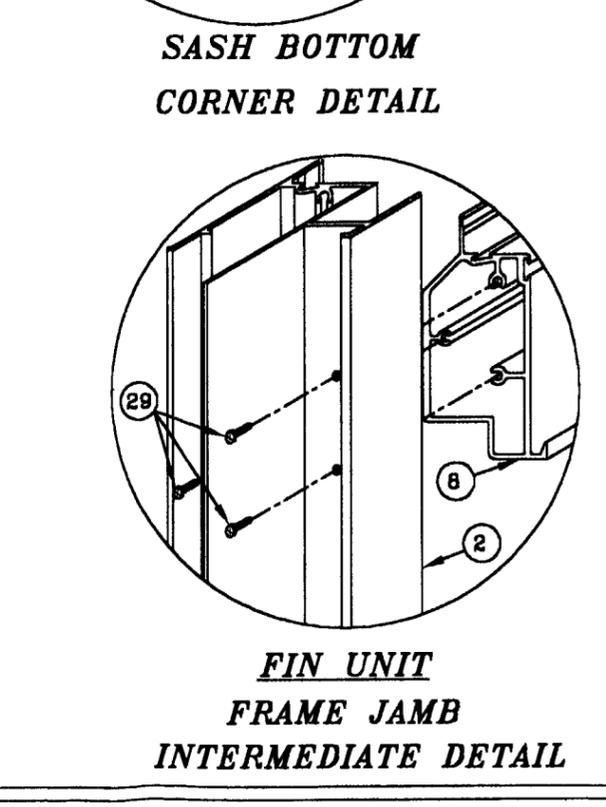
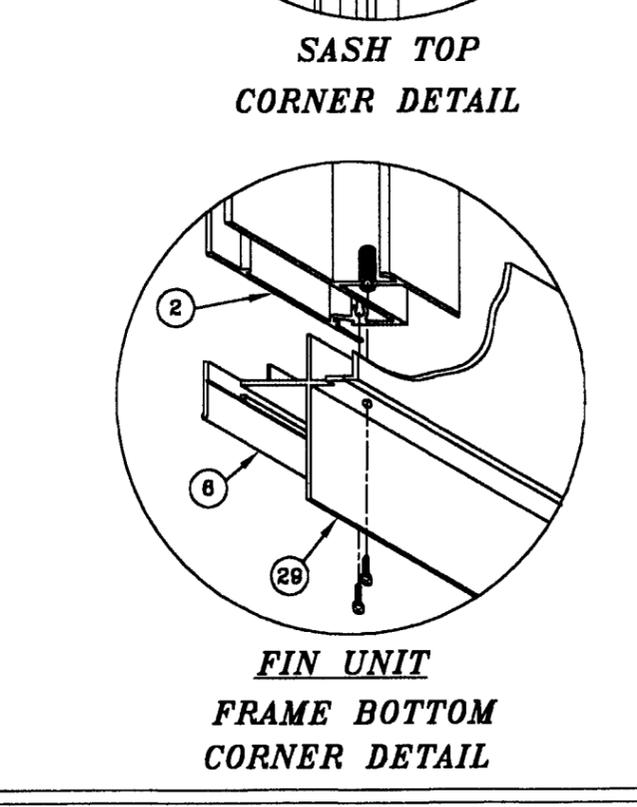
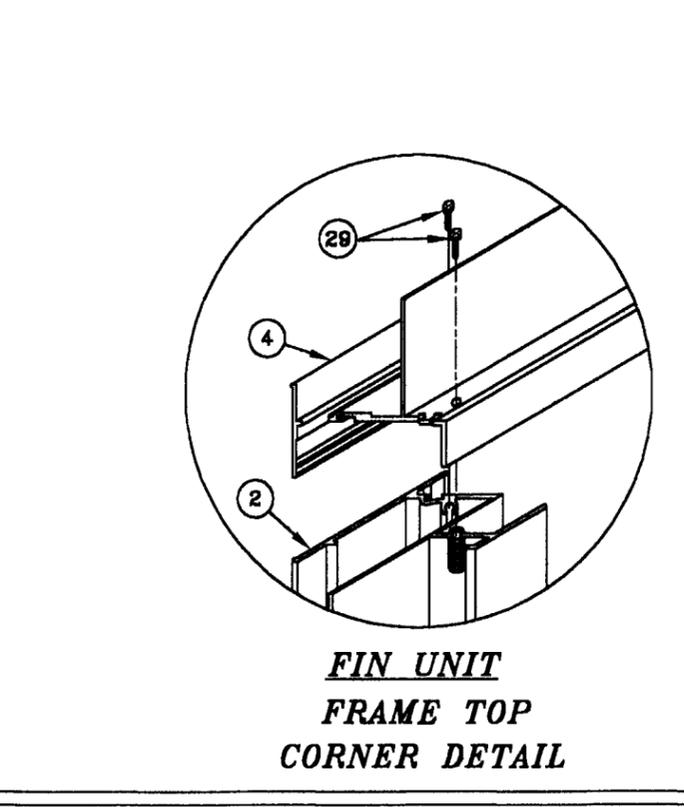
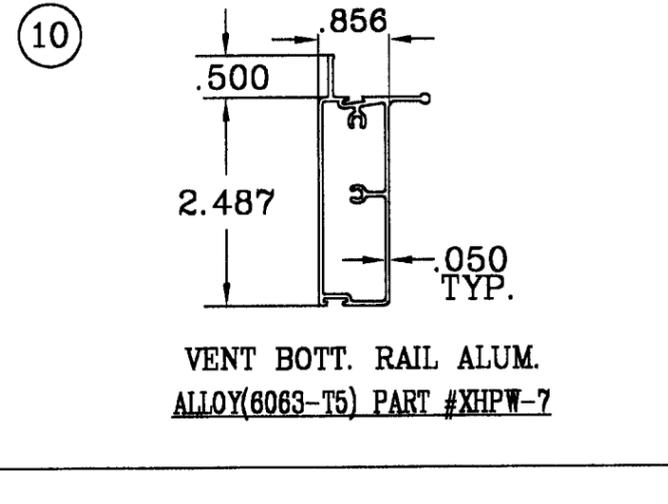
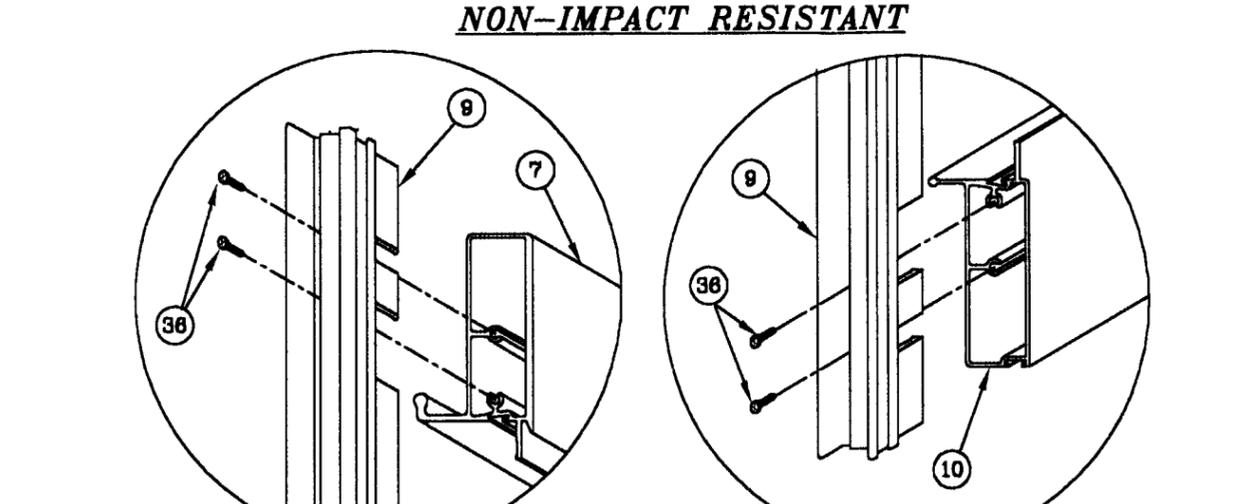
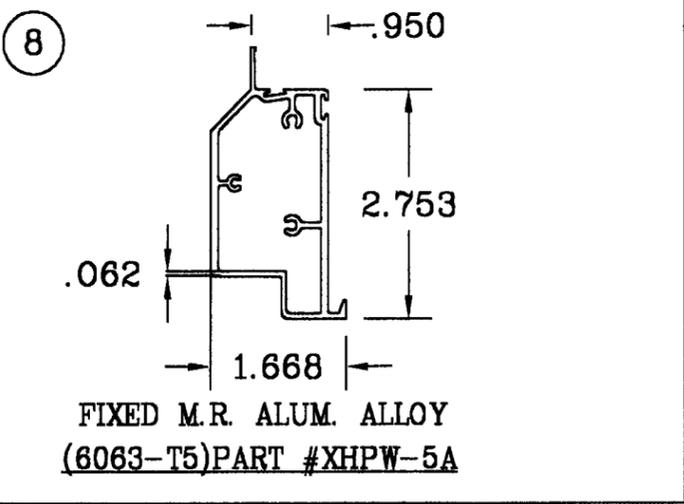
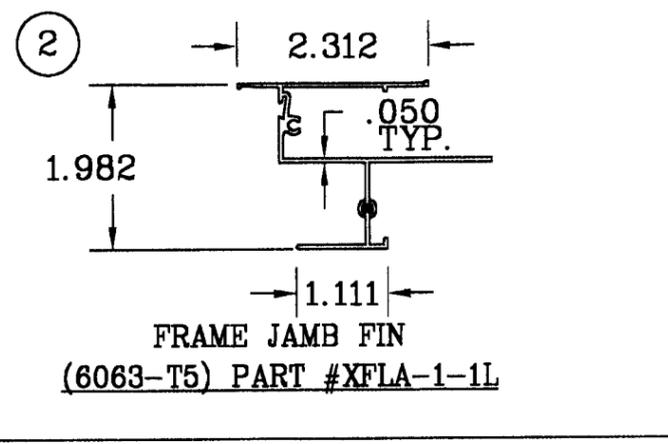
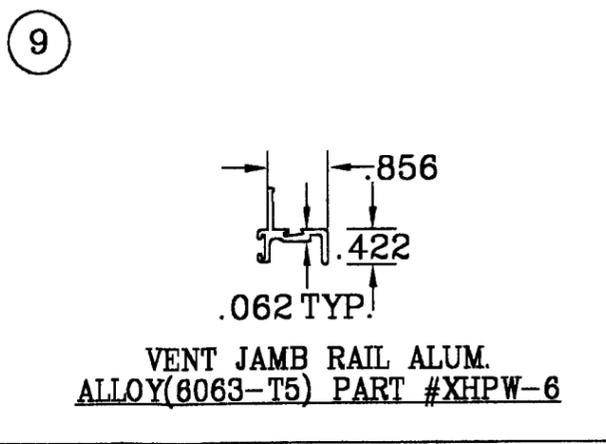
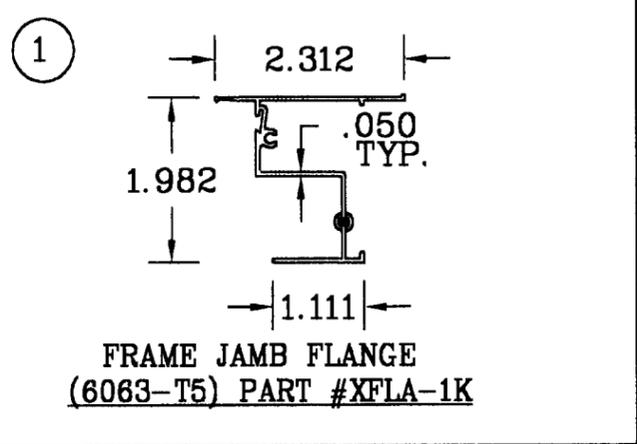
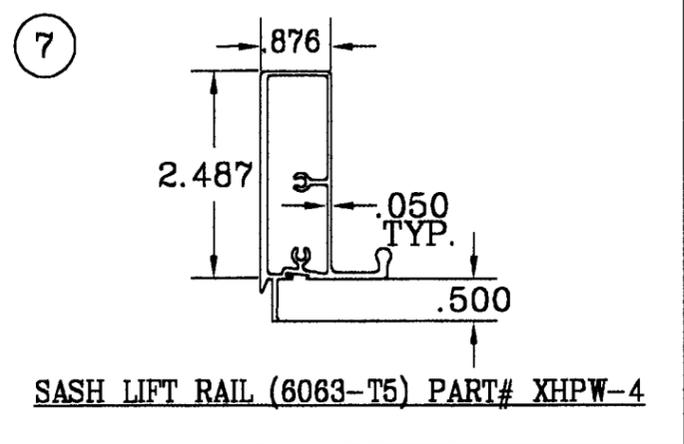
417/418 ALUMINUM
SINGLE HUNG WINDOW
HORIZONTAL
CROSS SECTIONS

SERIES: 417/418 ALUMINUM
SINGLE HUNG WINDOW
NORANDEX
BRADENTON, FL. 34207
PHONE: (941) 755-1591

NO.	DATE	DESCRIPTION
1	10/15/01	Modifications as per D.C.
2	9/20/02	Rev per Deeds marking RAB
3	11/25/02	Rev per Deeds County
REVISIONS DESCRIPTION		

Approved as complying with the
Florida Building Code
Date: JAN. 2, 2003
NOA# 01-0904.05
Miami Dade Product Control
Division
By: *[Signature]*

DATE: 7/24/01
SCALE: N.T.S.
DWC. BY: J.S.
CHK. BY:
JOB NO.: 01-0734
SHEET 4 OF 6
DWC. NO.: 01-0734



417/418 ALUMINUM
 SINGLE HUNG WINDOW
 EXTRUSION AND
 FIN ASSEMBLY DETAILS

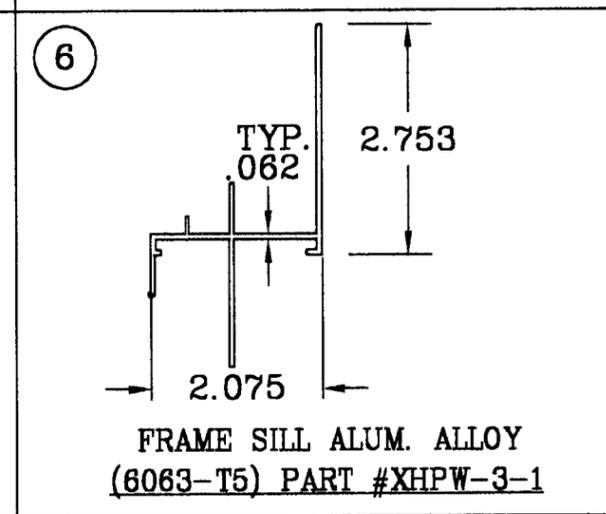
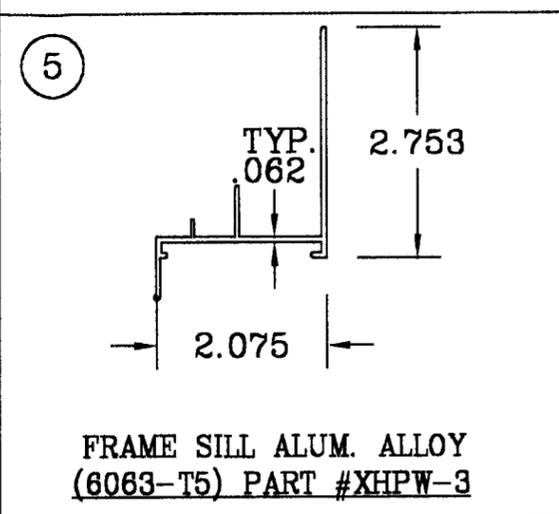
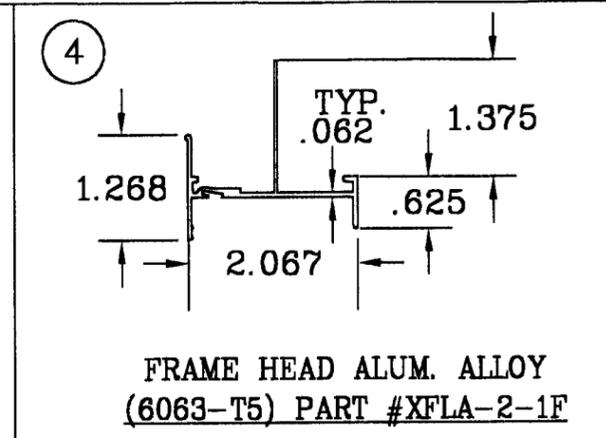
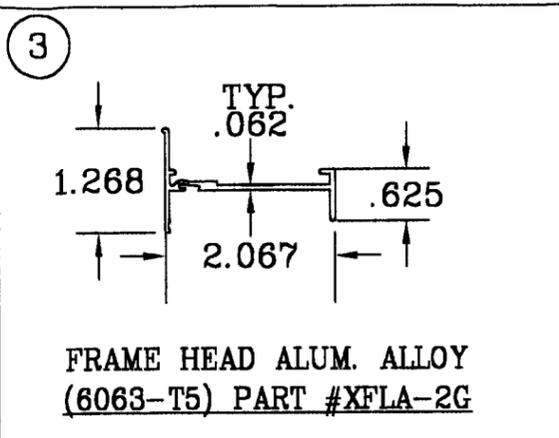
SERIES: 417/418 ALUMINUM
 SINGLE HUNG WINDOW
NORANDEX
 BRADENTON, FL. 34207
 PHONE: (941) 755-1591

NO.	DATE	DESCRIPTION
1	10/15/01	Modifications upper D.C.
2	9/30/02	Rev per Dade markup RAB
3	11/26/02	Rev per Dade County
		REVISIONS DESCRIPTION

Approved as complying with the
 Florida Building Code
 Date: JAN. 2, 2003
 NOAH: 01-0304-05
 Miami Dade Product Control
 Division
 By: *[Signature]*

DATE: 7/24/01
 SCALE: N.T.S.
 DWG. BY: J.S.
 CHK. BY:
 JOB NO.: 01-0734
 SHEET 5 OF 6
 DWG. NO.: 01-0734

ITEM No	PART No	DESCRIPTION	QTY.	VENDOR
1	XFLA-1K	FRAME JAMB FLANGE 6063-T5	2	PROFILE EXTRUSIONS
2	XFLA-1-1L	FRAME JAMB FIN 6063-T5	2	PROFILE EXTRUSIONS
3	XFLA-2G	FRAME HEAD FLANGE 6063-T5	1	PROFILE EXTRUSIONS
4	XFLA-2-1F	FRAME HEAD FIN 6063-T5	1	PROFILE EXTRUSIONS
5	XHPW-3	FRAME SILL FLANGE 6063-T5	1	PROFILE EXTRUSIONS
6	XHPW-3-1	FRAME SILL FIN 6063-T5	1	PROFILE EXTRUSIONS
7	XHPW-4	SASH LIFT RAIL 6063-T5	1	PROFILE EXTRUSIONS
8	XHPW-5A	FIXED CHECKRAIL 6063-T5	1	PROFILE EXTRUSIONS
9	XHPW-6	SASH STILE 6063-T5	2	PROFILE EXTRUSIONS
10	XHPW-7	SASH BOTTOM RAIL 6063-T5	1	PROFILE EXTRUSIONS
11	HEP-202F	GLAZING BEAD 3/16"	AS REQD.	FLORIDA SCREEN
12	19-011	SCREEN FRAME STOCK	4	FLORIDA SCREEN
13	DH-127A	SCREEN SPLINE	AS REQD.	VITRON
14	HMP-223-3	SCREEN CORNER KEY	4	MOLDSAVER
15	FLA-21A	SCREEN SPRING CLIP	2	CFC WIRE FORMS
16	AW-48-3	SCREEN PULL TAB	2	MOLDSAVER
17	PURCHASE	SCREEN 18X16 MESH	AS REQD.	PHIFER WIRE
18	HEP-203B	SASH STOP	2	OMEGA PLASTICS
19	HPW-1	CHKRAIL COVER PLATE	2	BEAR'S METAL WORKS
20	HMP-211A	TOP SASH GUIDE	2	SECURITY PLASTICS
21	9050-100	CAM SECURITY LOCK <small>10 & 40" FROM LEFT</small>	2	ALLEN STEVENS
22	FLA-14-1A	FACE-MOUNT KEEPER <small>10 & 40" FROM LEFT</small>	2	ALLEN STEVENS
23	FLA-13	TAKE-OUT CLIP	2	JIM WALTERS
24	PURCHASE	BLOCK & TACKLE BALANCE	2	JIM WALTERS
25	FLA-7-2	.220 FIN-SEAL WOOLPILE	AS REQD.	AMESBURY
25A	SD-10A	.250 WINDO-PILE	AS REQD.	AMESBURY
26	DJD-52-A	BOTTOM RAIL WEATHERSTRIP	AS REQD.	VITRON
27	PURCHASE	WINDOW GLASS 3/16" ANN OR TEMP	2	PPG
28	F-4-2	#4 x 3/8" PH PAN HEAD TEK	4	SPENCER PRODUCTS
29	F-6-2	#6-20 x 1" PH PAN HEAD	20	SPENCER PRODUCTS
30	F-6-4	#6 x 1/2" PH FLAT HEAD	8	SPENCER PRODUCTS
31	FLA-17-1	JAMB TO SILL GASKET	2	H.Q. PRODUCTS
32	5731	SILICONE	AS REQD.	SCHNEE MOREHEAD
33	1199	SILICONE	AS REQD.	DOW CORNING
34	PURCHASE	1/4" X 2-1/4" TAPCON	AS REQD.	I.T.W.



417/418 ALUMINUM SINGLE HUNG WINDOW PARTS LIST AND EXTRUSION DETAILS

SERIES: 417/418 ALUMINUM SINGLE HUNG WINDOW
NORANDEX
BRADENTON, FL. 34207
PHONE: (941) 755-1591

NO.	DATE	Rev per Dade markup RAB	Revisions DESCRIPTION
1	10/15/01		Modifications upper D.C.
2	9/28/02		
3	11/26/02		Rev per Dade County

DATE: 7/24/01
SCALE: N.T.S.
DWG. BY: J.S.
CHK. BY:
JOB NO.: 01-0734
SHEET 6 OF 6
DWG. NO.: 01-0734

Approved as complying with the Florida Building Code
Date: JAN. 2, 2003
NOA# 01-0904-05
Miami Dade Product Control
Division
By: *[Signature]*