



**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 the BCCO and accepted by the Building Code and Product Review Committee (BCPRC) 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 411/412 Aluminum Single Hung Window

APPROVAL DOCUMENT: Drawing No. 0631, titled "Series 411/412 Aluminum Single Hung Window", sheets 1 through 5 of 5, prepared by manufacturer dated 04-09-02 and last revised on 10-30-02, 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 01-0705.01 and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by Ishaq I. Chanda, P. E.



**NOA No 01-0705.01
Expiration Date: November 20,2007
Approval Date: November 20, 2002.
Page 1**

GAMMA, U. S. A.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **0631**, titled "Series 411/412 Aluminum Single Hung Window", sheets 1 through 5 of 5, prepared by manufacturer dated 04-09-02 and last revised on 10-30-02.

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 single hung window, prepared by Fenestration Testing laboratory, Test Report No. FTL 3041 (FTL-01018) dated March 15, 2001, signed and sealed by Luis Antonio Figueredo, P. E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis dated 04-18-02 and last revised on 09-17-02, prepared, signed and sealed by Kelvyn A. Whitfield, P. E.
2. Anchor Calculations and structural analysis, prepared by Applied Engineering Inc and Sergio J. Alcorta, P. E. dated 05-04-01 (Calcs withdrawn, resubmitted by another engineer).

D. MATERIAL CERTIFICATIONS

1. None.

E. STATEMENTS

1. Statement letter of conformance and "No financial interest to test lab", dated 04-18, 2002 signed and sealed by Kelvyn A. Whitfield, P. E.
2. Statement letter of compliance, submitted as part of test report issued by Fenestration Testing laboratory, Test Report No. FTL 3041, signed and sealed by Luis Antonio Figueredo, P. E.

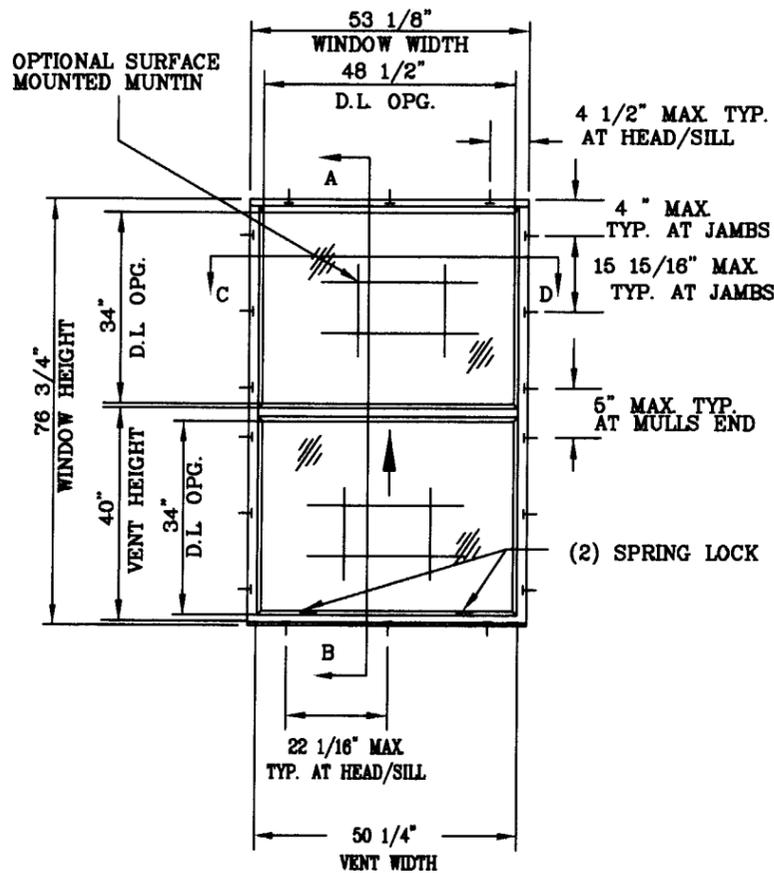
F. OTHER

1. None

Ishq I. Chanda

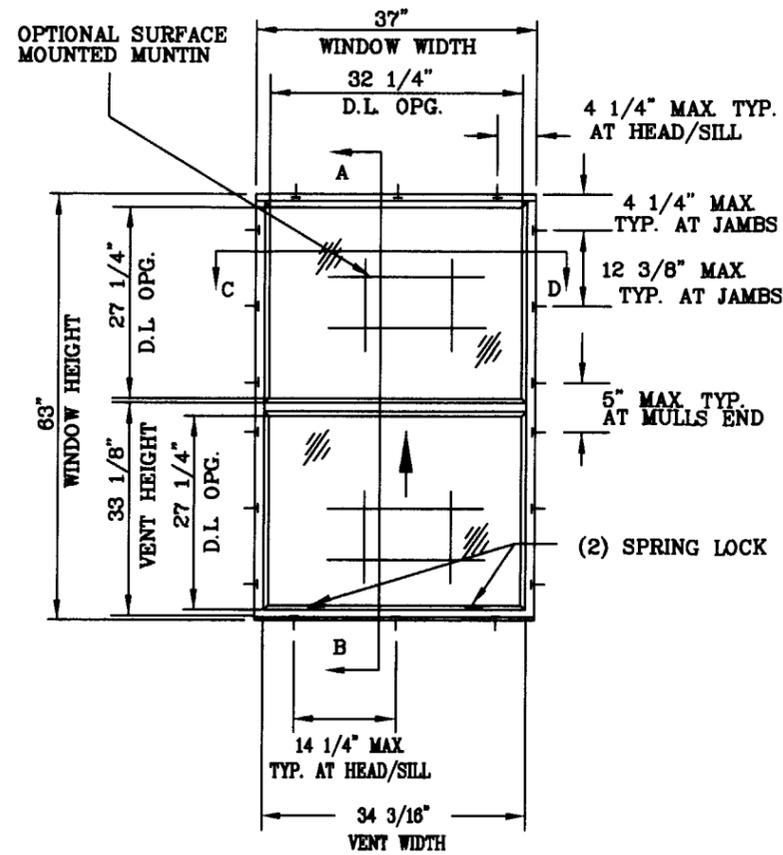
Ishq I. Chanda, P. E.
Product Control Examiner
NOA No 01-0705.01

Expiration Date: November 20, 2007.
Approval Date: November 20, 2002



FLANGED MOUNT
W/1/4" TAPCON

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

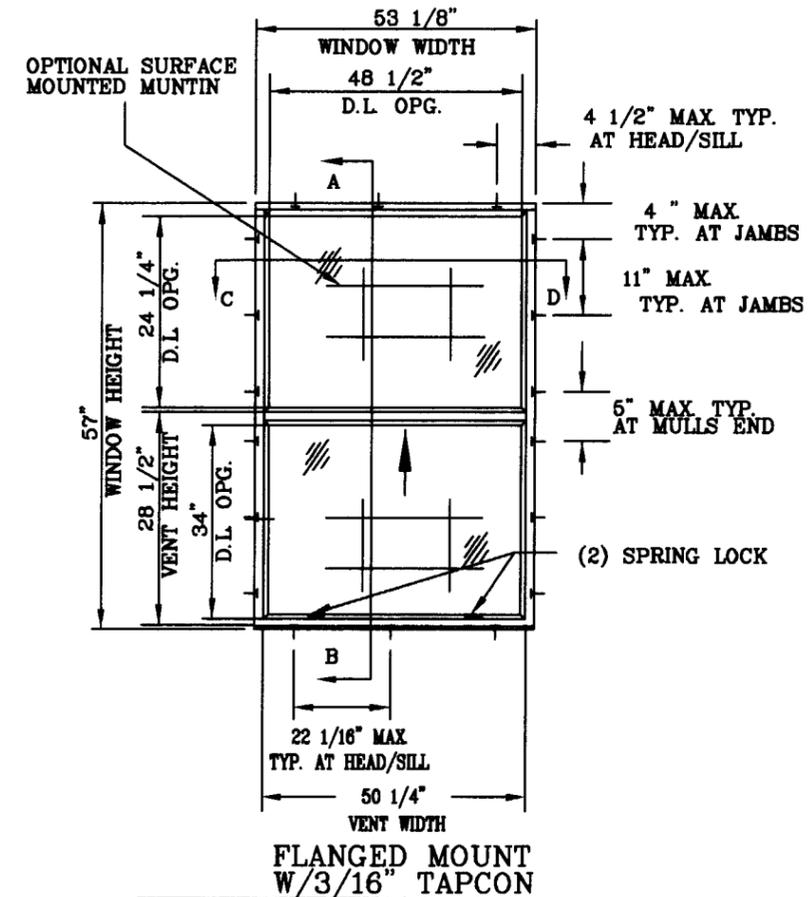


FLANGED MOUNT
W/1/4" TAPCON

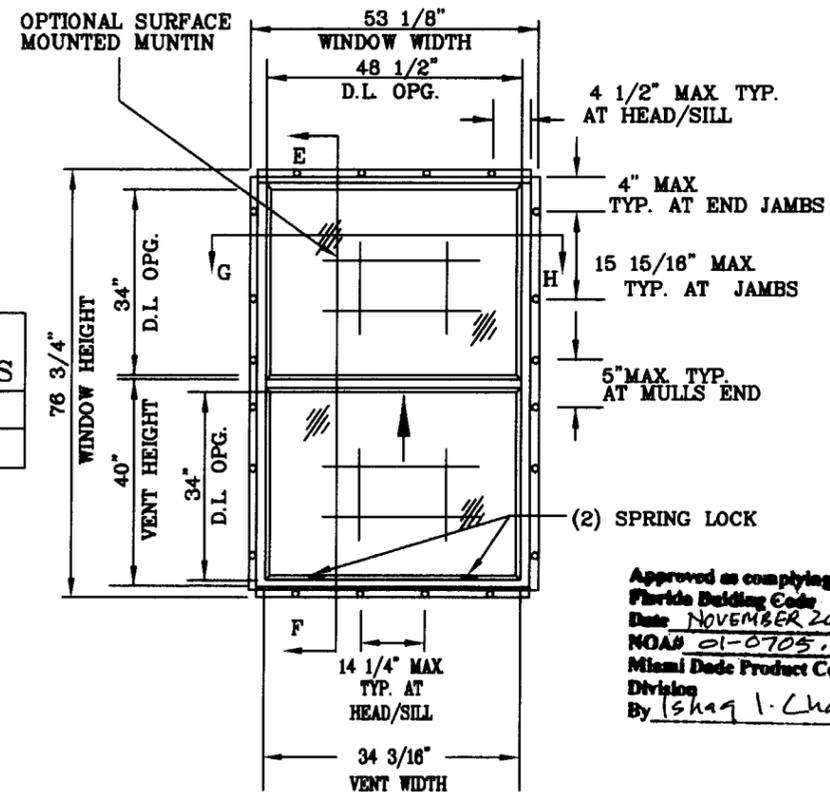
DESIGN PRESSURE RATING WITH 3/16" ANNEALED GLASS	
POSITIVE	70.0 PSF
NEGATIVE	70.0 PSF

FIN MOUNT
W/1/4" TAPCON

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



DESIGN PRESSURE RATING WITH 3/16" ANNEALED GLASS	
POSITIVE	46.0 PSF
NEGATIVE	46.0 PSF



Approved as complying with the
Florida Building Code
Date NOVEMBER 29, 2002
NOAA 01-0705.01
Miami Dade Product Control
Division
By: Ishag I. Chanda

NOTE:

1. MIAMI-DADE COUNTY APPROVED SHUTTERS REQUIRED FOR INSTALLATION OF THESE UNITS.
2. INSTALLATION THROUGH 1 X BUCK OR INTO 2 X BUCK MUST BE ENGINEERED TO CARRY IMPOSED LOAD BY THE WINDOWS AND MUST BE REVIEWED AND APPROVED BY THE BUILDING OFFICIALS.

NON-IMPACT RESISTANT

norandex®
4504 30th St. West
Bradenton, FL 34207

PROJECT: SERIES 411/412
ALUMINUM SINGLE HUNG
NON-IMPACT RESISTANT

DWG.#: 0631

NO.	DATE	REV DIMENSIONS BY RAE	REVISIONS: BY RAE	REVISIONS: BY JIM MOORE
2	4/9/02			
3	8/15/02			
4	9/9/02			
5	10/1/02			

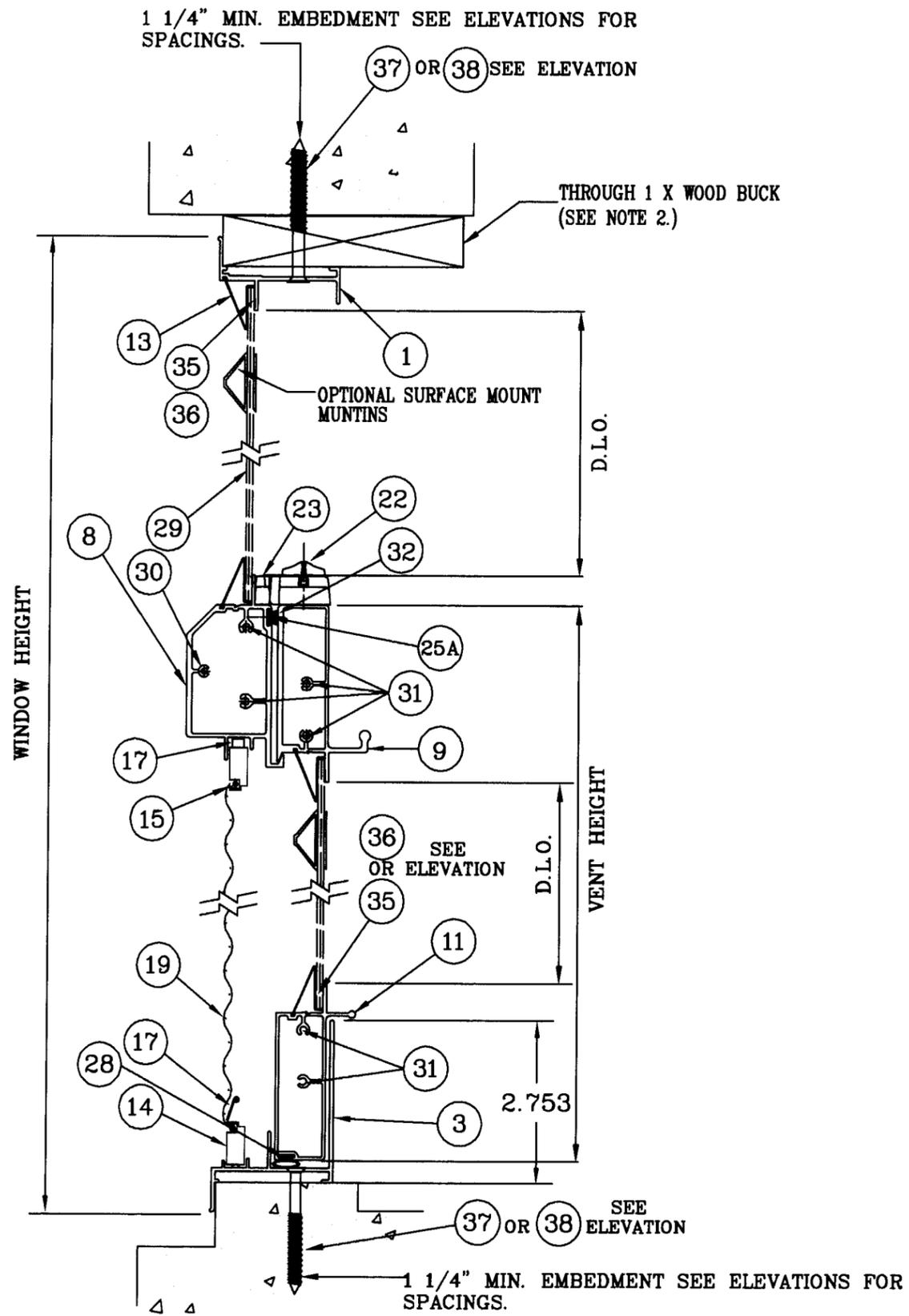
DATE: 4/9/02

SCALE: N.T.S.

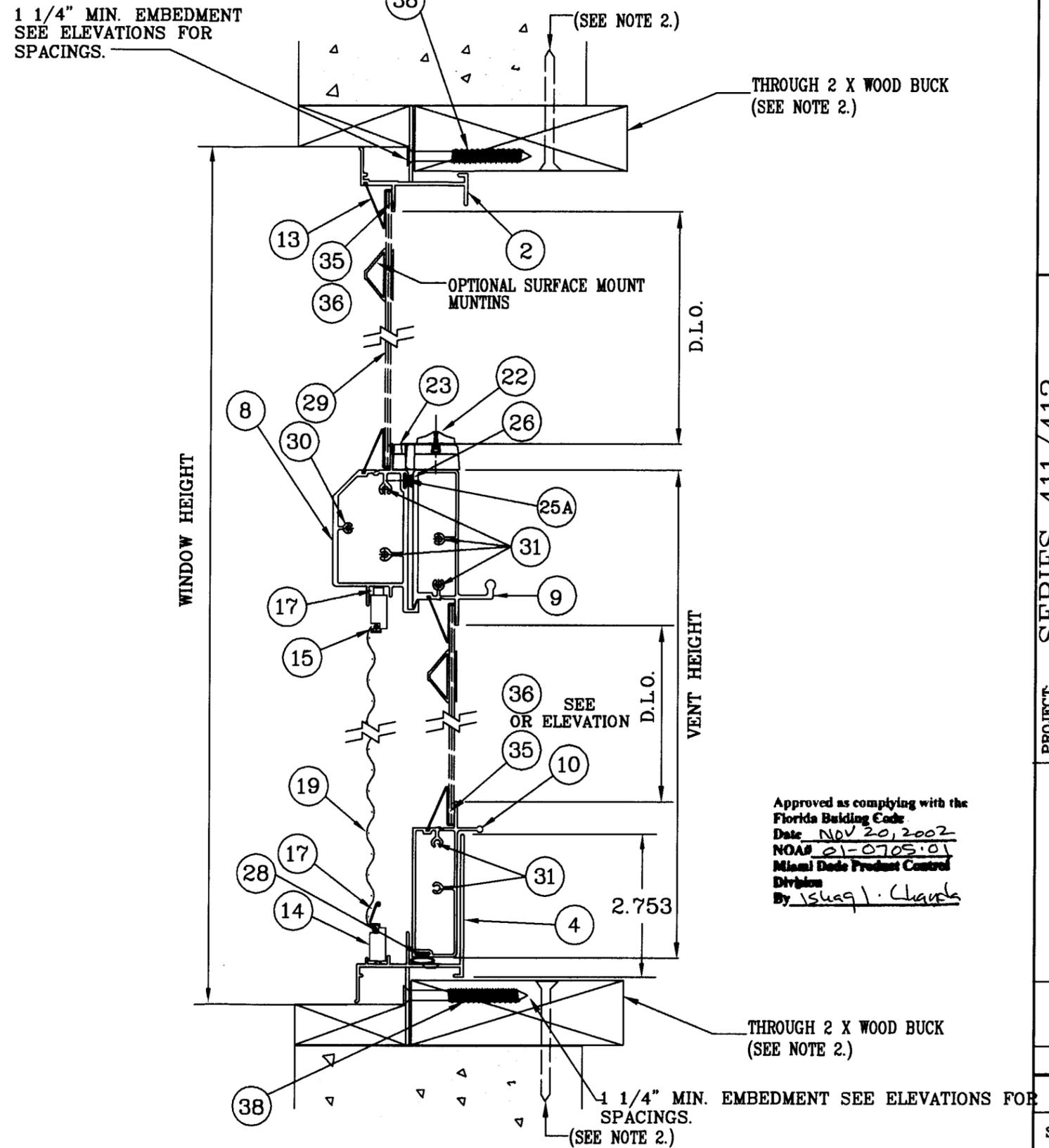
DWG. BY: J.R.M.

CHK BY: _____

SHEET 1 OF 5



**FLANGE UNIT INSTALLATION
VERTICAL LAYOUT
A-B**



**FIN UNIT INSTALLATION
VERTICAL LAYOUT
E-F**

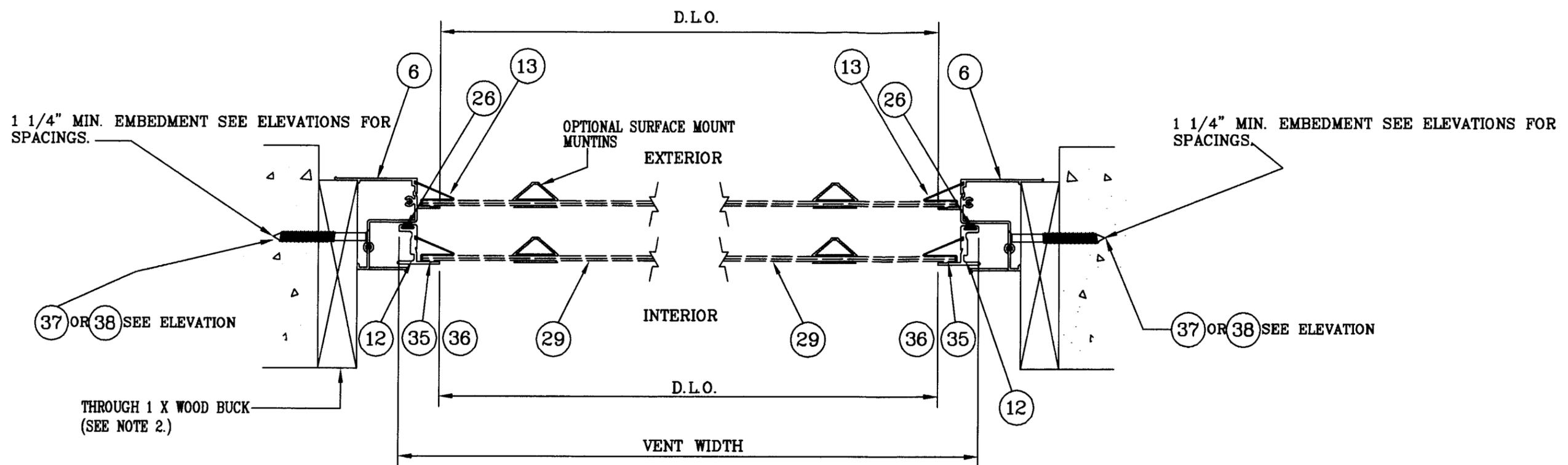
Approved as complying with the
Florida Building Code
Date NOV 20, 2002
NOA# 01-0705.01
Miami Dade Product Control
Division
By Shag J. Clark

norandex®
4504 30th St. West
Bradenton, FL 34207

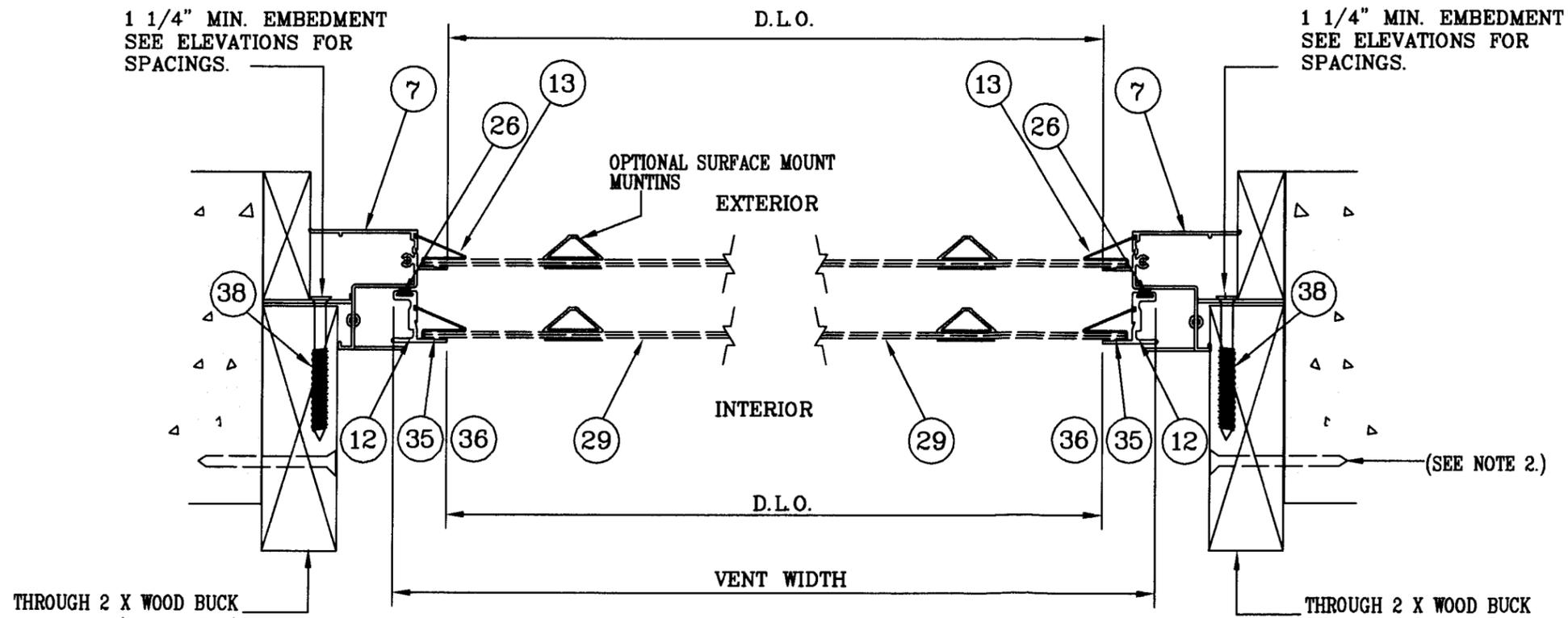
PROJECT: SERIES 411/412
ALUMINUM SINGLE HUNG
NON-IMPACT RESISTANT
DWG.#: 0631

NO.	DATE	REVISIONS:	BY
2	4/9/02		
3	8/15/02	REVISIONS:	BY JIM MOORE
4	9/9/02	REVISIONS:	BY RAE
5	10/30/02	DEL SHIM A-B	BY RAE

DATE: 4/9/02
SCALE: N.T.S.
DWG. BY: J.R.M.
CHK BY: _____
SHEET 2 of 5



**FLANGE UNIT INSTALLATION
 HORIZONTAL CROSS SECTION
 C-D**



**FIN UNIT INSTALLATION
 HORIZONTAL CROSS SECTION
 G-H**

Approved as complying with the
 Florida Building Code
 Date Nov 20, 2002
 NOA# 01-0705.01
 Miami Dade Product Control
 Division
 By Ishaq I. Chaudh

PROJECT: SERIES 411/412
 ALUMINUM SINGLE HUNG
 NON-IMPACT RESISTANT

DWG.#: 0631

NO.	DATE	REVISIONS:
2	4/9/02	BY JIM MOORE
3	8/15/02	REVISIONS: BY RAE
4	9/9/02	REVISIONS: BY RAE
5	10/30/02	DEL SHIM C-D BY RAE

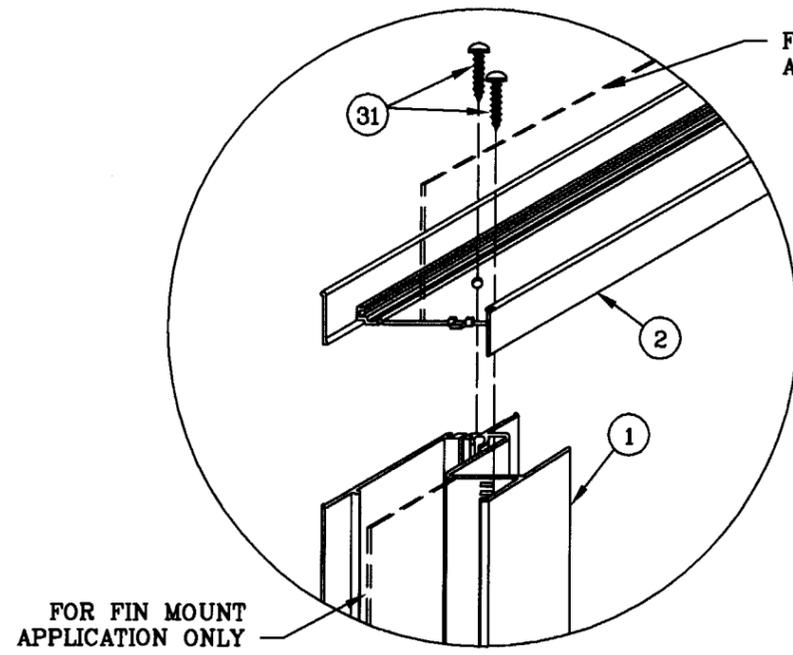
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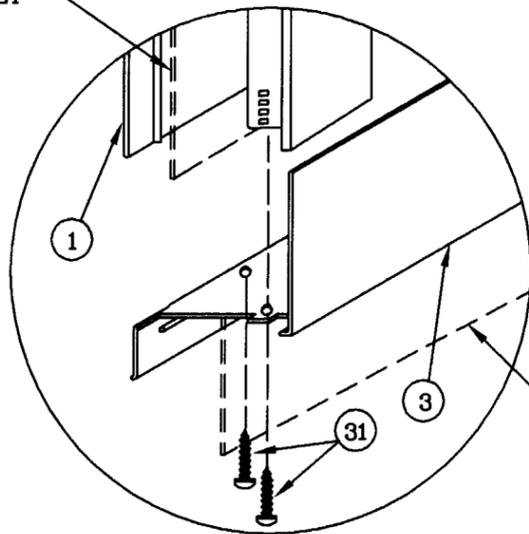
DWG. BY: J.R.M.

CHK BY: _____

SHEET 3 OF 5

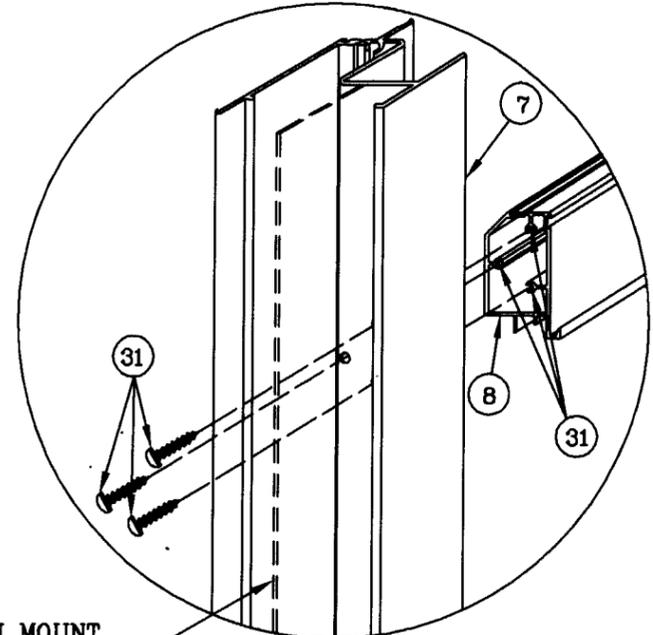


FOR FIN MOUNT APPLICATION ONLY

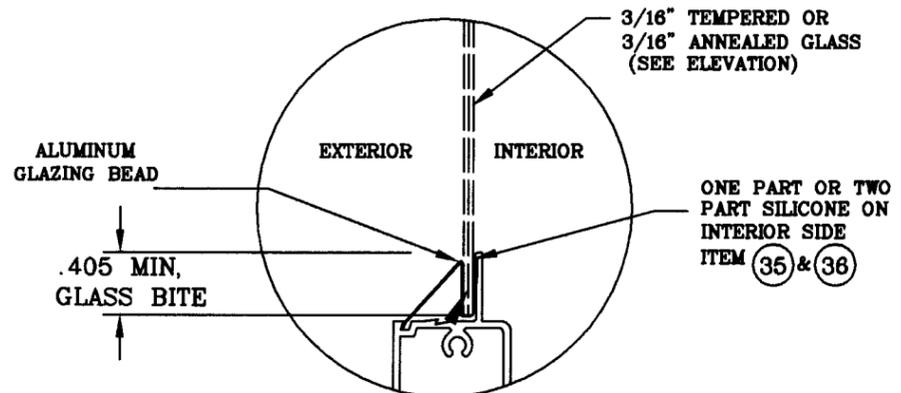


FOR FIN MOUNT APPLICATION ONLY

CORNER CONSTRUCTION



FOR FIN MOUNT APPLICATION ONLY



GLAZING DETAIL

NON-IMPACT RESISTANT

Approved as complying with the
 Florida Building Code
 Date Nov 20, 2002
 NOA# 01-0705-01
 Miami Dade Product Control
 Division
 By Chagl. Chande

PROJECT: SERIES 411/412
 ALUMINUM SINGLE HUNG
 NON-IMPACT RESISTANT

DWG.#: 0631

NO.	DATE	ADDED FIN NOTE BY RAE
2	4/9/02	
3	8/15/02	REVISIONS: BY JIM MOORE
4	9/9/02	REVISIONS: BY RAE
5	10/30/02	ADDED FIN NOTE BY RAE

DATE: 4/9/02

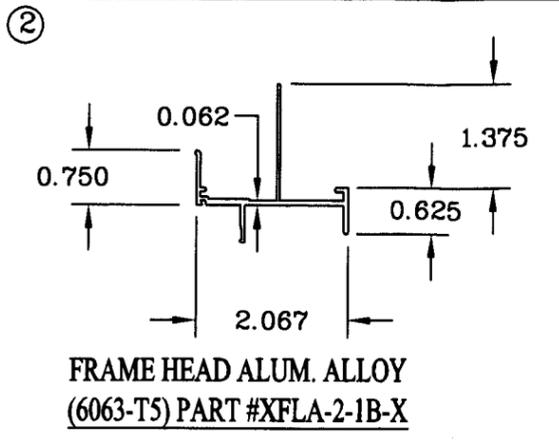
SCALE: N.T.S.

DWG. BY: J.R.M.

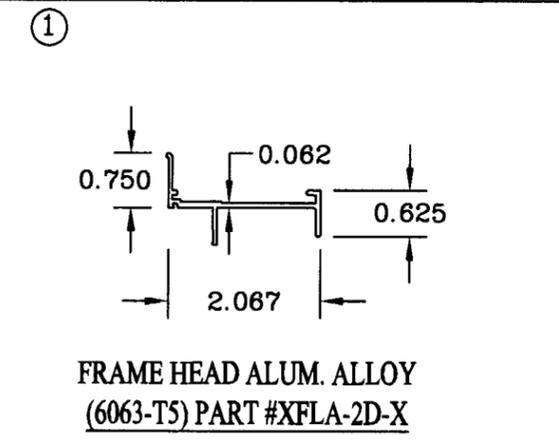
CHK. BY: _____

SHEET 4 OF 5

ITEM NO	PART NO	DESCRIPTION	QTY.	VENDOR
1	XFLA-2D-X	FRAME HEAD FLANGE 6063-T5	1	PROFILE EXTRUSIONS
2	XFLA-2-1B-X	FRAME HEAD FIN 6063-T5	1	PROFILE EXTRUSIONS
3	XHPW-3-X	FRAME SILL FLANGE 6063-T5	1	PROFILE EXTRUSIONS
4	XHPW-3-1-X	FRAME SILL FIN 6063-T5	1	PROFILE EXTRUSIONS
5	NOT USED			
6	XFLA-1D-X	FRAME JAMB FLANGE 6063-T5	2	PROFILE EXTRUSIONS
7	XFLA-1-1C-X	FRAME JAMB FIN 6063-T5	2	PROFILE EXTRUSIONS
8	XHPW-5-X	FIXED MEETING RAIL 6063-T5	1	PROFILE EXTRUSIONS
9	XHPW-4A-X	SASH TOP RAIL 6063-T5	1	PROFILE EXTRUSIONS
10	XHPW-7-X	SASH BOTTOM RAIL 6063-T5	1	PROFILE EXTRUSIONS
11	XFLA-3-6-X	SASH BOTTOM RAIL 6063-T5	1	PROFILE EXTRUSIONS
12	XHPW-6B-X	SASH JAMB RAIL 6063-T5	2	PROFILE EXTRUSIONS
13	FLA-003A-X	GLAZING BEAD 3/16"	AS REQ'D	FLORIDA SCREEN
14	19-011	SCREEN FRAME STOCK	4	FLORIDA SCREEN
15	DH-127A	SCREEN SPLINE	AS REQ'D	VITRON
16	HMP-223-3	SCREEN CORNER KEY	4	MOLD SAVER
17	FLA-21A	SCREEN SPRING CLIP	2	CFC WIRE FORMS
18	AW-48-3	SCREEN PULL TAB	2	MOLD SAVER
19	PURCHASE	SCREEN 18X16 MESH	AS REQ'D	FIFE WIRE
20	HEP-203B	SASH STOP	2	OMEGA PLASTICS
21	HPW-1	MEETING RAIL COVER PLATE	2	BEAR'S METAL WORKS
22	HMP-211A	TOP SASH GUIDE	2	SECURITY PLASTICS
23	9050-100	CAM SECURITY LOCK	1	ALLEN STEVEN'S
24	FLA-14-1A	FACE-MOUNT KEEPER	1	ALLEN STEVEN'S
25	FLA-13	TAKE-OUT CLIP	2	JIM WALTER'S
25A	PURCHASE	BLOCK & TACKLE BALANCE	2	JIM WALTER'S
26	FLA-7-2	.220 FIN-SEAL WOOLPILE	AS REQ'D	AMESBURY
27	SD-10A	.250 WINDO-PILE	AS REQ'D	AMESBURY
28	DJD-52-A	BOTTOM RAIL WEATHER-STRIP	AS REQ'D	VITRON
29	PURCHASE	WINDOW GLASS	2	PPG
30	F-4-2	#4 x 3/8" PH PAN HEAD TEK	4	SPENCER PRODUCTS
31	F-6-2	#6-20 x 1" PH PAN HEAD	20	SPENCER PRODUCTS
32	F-6-4	#6 x 1/2" PH FLAT HEAD	2	SPENCER PRODUCTS
33	F-6-12	#6x 5/8" PH OVAL HEAD	2	SPENCER PRODUCTS
34	FLA-17-1	JAMB TO SILL GASKET	2	H.Q. PRODUCTS
35	5731	SILICONE	AS REQ'D	SCHNEE MOREHEAD
36	1199	SILICONE	AS REQ'D	DOW CORNING
37	PURCHASE	3/16" X 2-3/4" TAPCON	AS REQ'D	I.T.W.
38	PURCHASE	1/4" X 2-3/4" TAPCON	AS REQ'D	I.T.W.



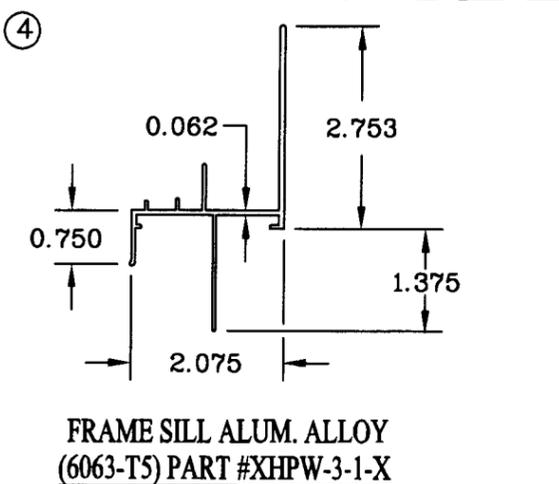
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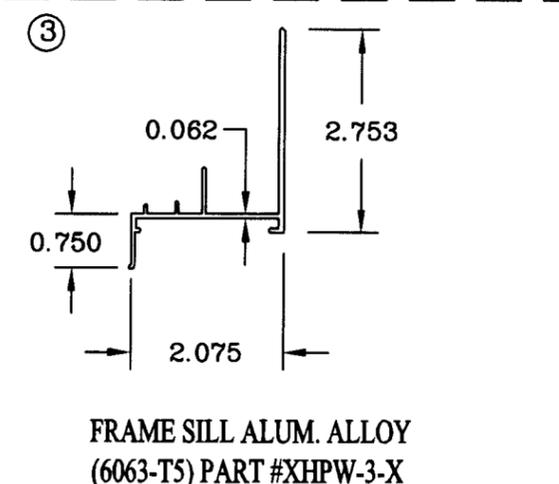
FRAME HEAD ALUM. ALLOY
(6063-T5) PART #XFLA-2D-X



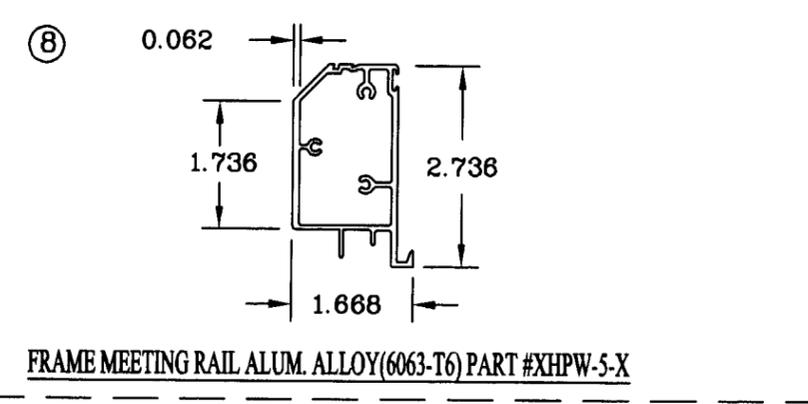
GLAZING BEAD
PART #FLA-003A-X



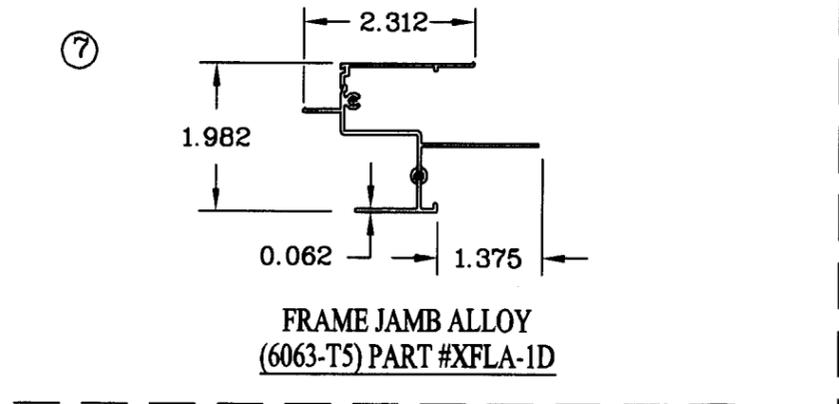
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(6063-T5) PART #XHPW-3-1-X



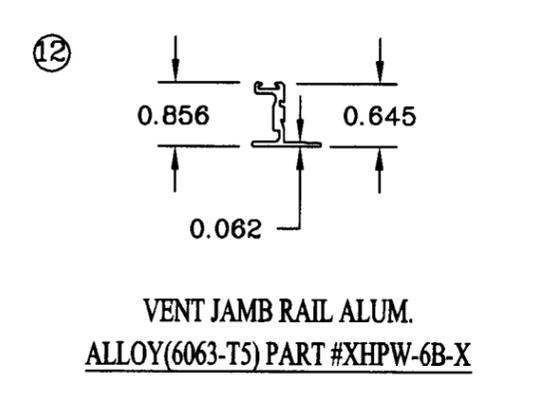
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(6063-T5) PART #XHPW-3-X



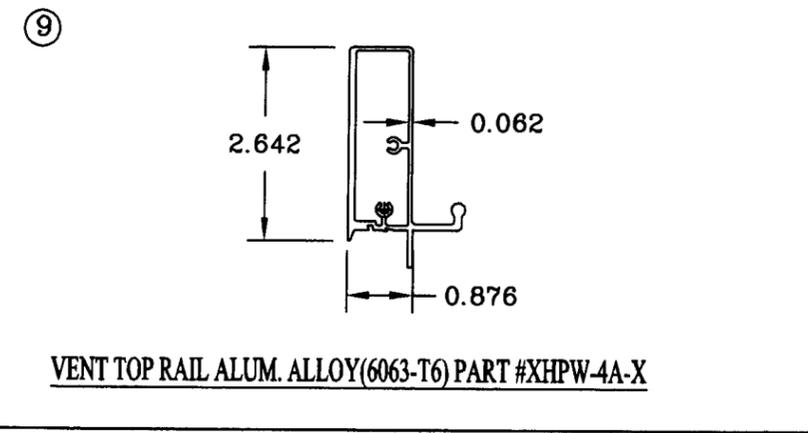
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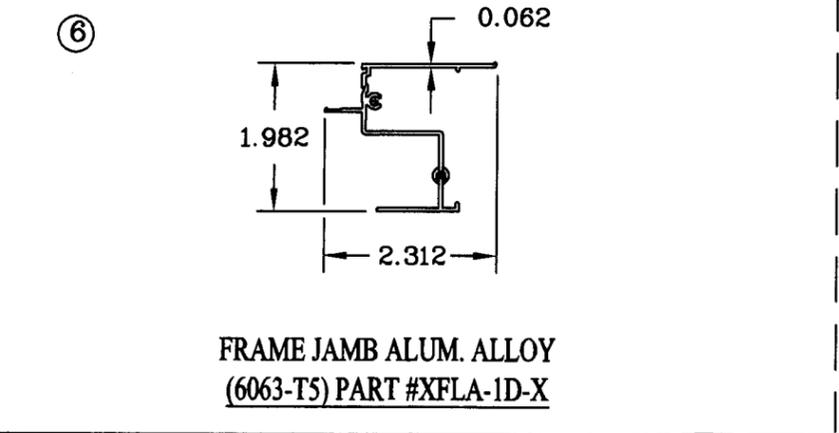
FRAME JAMB ALLOY
(6063-T5) PART #XFLA-1D



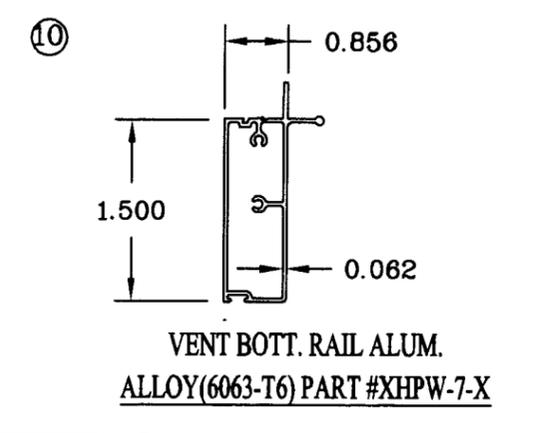
VENT JAMB RAIL ALUM.
ALLOY(6063-T5) PART #XHPW-6B-X



VENT TOP RAIL ALUM. ALLOY(6063-T6) PART #XHPW-4A-X



FRAME JAMB ALUM. ALLOY
(6063-T5) PART #XFLA-1D-X



VENT BOT. RAIL ALUM.
ALLOY(6063-T6) PART #XHPW-7-X

norandex
4504 30th St. West
Bradenton, FL 34207

PROJECT: SERIES 411/412
ALUMINUM SINGLE HUNG
NON-IMPACT RESISTANT
DWG.#: 0631

Approved as complying with the
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Date Nov 20, 2002
NOA# 01-0705-0
Miami Dade Product Control
Division
By Isaac L. Chanda

NO.	DATE	REVISIONS:
2	4/9/02	BY JIM MOORE
3	8/15/02	REVISIONS: BY RAE
4	9/9/02	REVISIONS: BY RAE
5	10/30/02	REV ITEMS 5 & 36 BY RAE

DATE: 4/9/02
SCALE: N.T.S.
DWG. BY: J.R.M.
CHK. BY:
SHEET 5 OF 5