



**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)

**TRACO Security Windows & Doors, Inc.
5100 N.W. 72nd Avenue
Miami, FL 33166**

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 "Coastal-240" Aluminum Single Hung Window – Impact Resistant

APPROVAL DOCUMENT: Drawing No. **W99-62**, dated 01/13/03, titled "Coastal-240 Impact Single Hung Window", sheets 1 through 3, prepared by Frank L. Bennardo, P.E. Consulting Engineer, signed and sealed by Frank L. Bennardo, 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.

MISSILE IMPACT RATING: Large and Small Missile 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 **revises and renews** NOA # **99-1028.06** and consists of this page 1 as well as approval document mentioned above.

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



**NOA No 02-1120.03
Expiration Date: March 17, 2008
Approval Date: February 6, 2003
Page 1**

TRACO Security Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

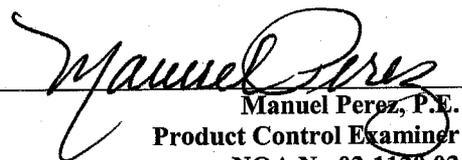
1. Manufacturer's die drawings and sections.
2. Drawing No **W99-62**, Sheets 1 through 3 of 3, titled "Coastal-240 Impact Single Hung Window", prepared by Frank L. Bennardo, P.E., dated 01/13/03, signed and sealed by Frank L. Bennardo, P.E.

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) Large Missile Impact Test per SFBC, PA 201-94
5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
6) Forced Entry Test, per AAMA 1302.5 and PA 202-94
along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by American Test Lab. of South Florida, Test Report No. **ATL-0713.01-99**, dated 10/07/99, signed and sealed by William R. Mehner, P.E. and Henry Hattem, P.E. With addendum letter dated 2/23/00, signed and sealed by William R. Menner, P.E.
2. 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) Large Missile Impact Test per SFBC, PA 201-94
5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
6) Forced Entry Test, per AAMA 1302.5 and PA 202-94
along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2363**, dated July 22, 1999, signed and sealed by Jose D. Mitrani, P.E.

C. CALCULATIONS:

1. Anchor calculations, sheets 1 thru 13 of 13, prepared by Al-Farooq Corp. dated 8/27/99 and 2/24/2000, signed and sealed by Humayoun Farooq, P.E.
2. Anchor calculations, sheets 1 thru 6 of 6, prepared by Frank L. Bennardo, P.E. Consulting Engineer, dated December 30, 2002, signed and sealed by Frank L. Bennardo, P.E.


Manuel Perez, P.E.
Product Control Examiner
NOA No 02-1120.03

Expiration Date: March 17, 2008
Approval Date: February 6, 2003

TRACO Security Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

D. MATERIAL CERTIFICATION:

1. Notice of Acceptance No. **97-0731.15** issued to Elco Industries, Inc. for "Tapcon Concrete Anchors" dated 01/08/98, expiring on 01/08/01.
2. Notice of Acceptance No. **98-0728.05** issued to Solutia, Inc. for "**Saflex III G PVB** Polyvinyl Butyral Interlayer" dated 08/27/98, expiring on 05/21/01.
3. Notice of Acceptance No. **96-0924.06** issued to E. I. DuPont DeNemours for "Laminated Glass with **Butacite®** as Interlayer" dated 12/11/97, expiring on 12/11/00

E. STATEMENTS:

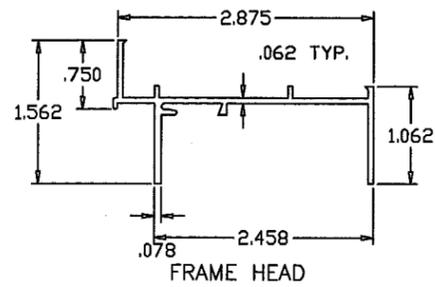
1. Statement letter of conformance and re-certification, also notifying previous engineer his intent of taking over his previous work, complying with Section 61G15-27.001 of the Florida Administrative Code, signed by Frank L. Bennardo, P.E.
2. Statement letter of no financial interest, November 14, 2002, signed and sealed by Frank L. Bennardo, P.E.
3. Letter requesting a revision consisting of an engineer change only and a renewal, dated 10/28/02, signed by Scott A. Kennedy.

F. OTHER

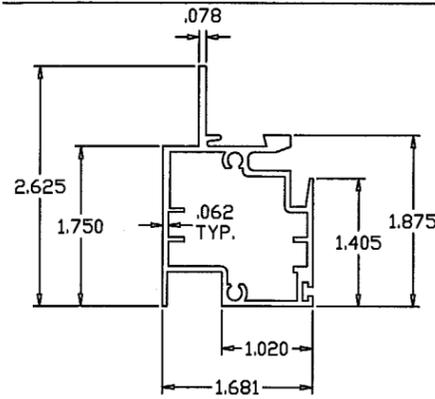
1. Notice of Acceptance No. **99-1028.06**, issued to TRACO Security Windows & Doors, Inc. for their Series "Coastal-240" Aluminum Single Hung Window – Impact Resistant, approved on 03/17/00 and expiring on 03/17/03.


Manuel Perez, P.E.
Product Control Examiner
NOA No 02-1120.03

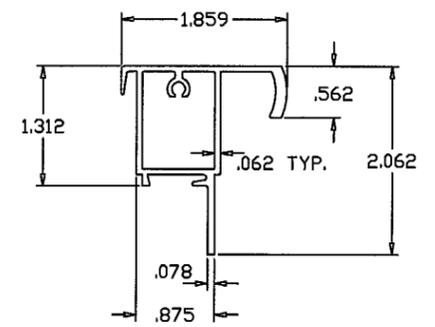
Expiration Date: March 17, 2008
Approval Date: February 6, 2003



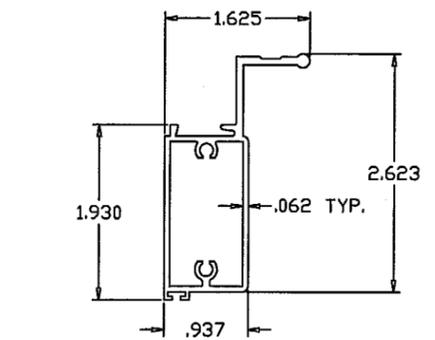
FRAME HEAD



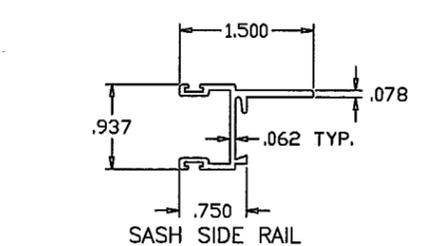
MEETING RAIL



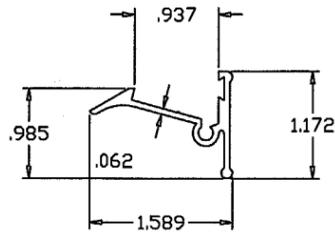
BOTTOM VENT TOP RAIL



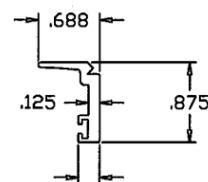
BOTTOM VENT BOTTOM RAIL



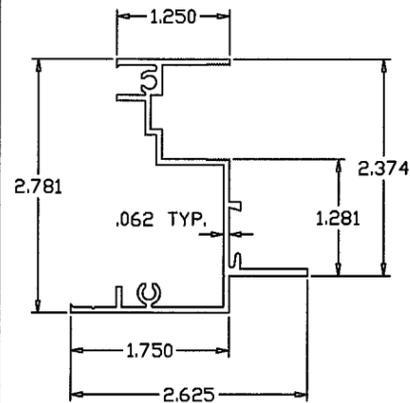
SASH SIDE RAIL



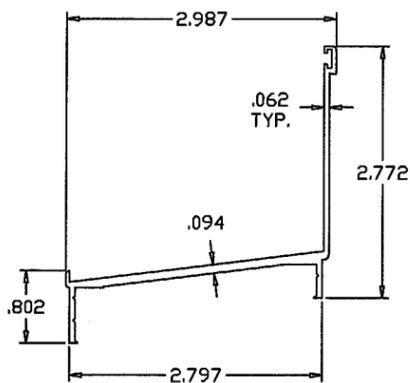
LATCH



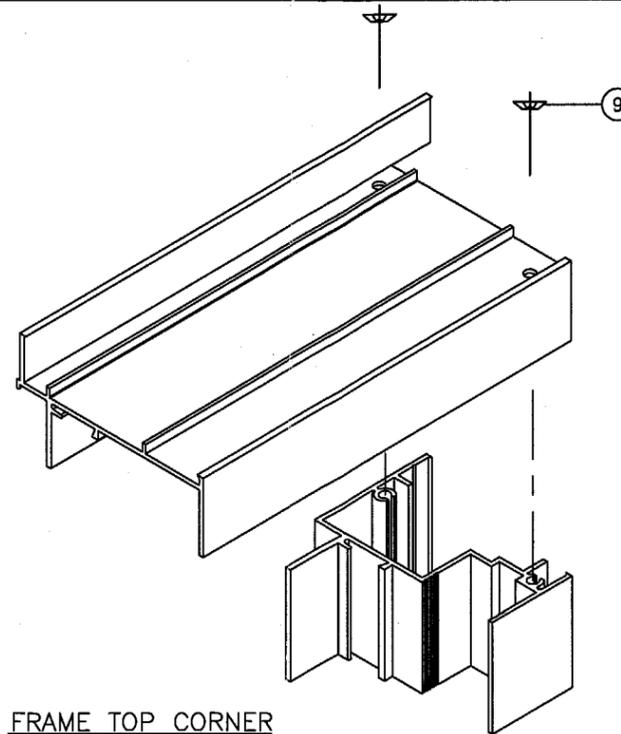
GLASS STOP



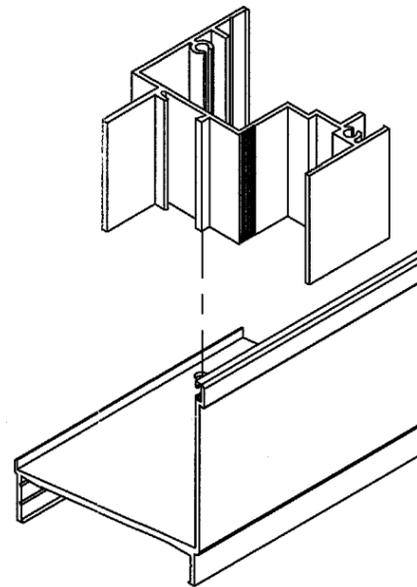
FRAME JAMB



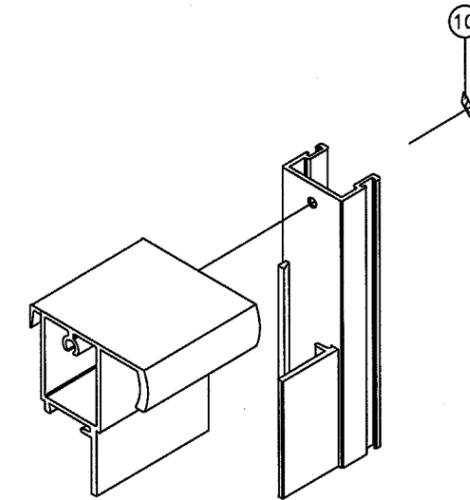
FRAME SILL



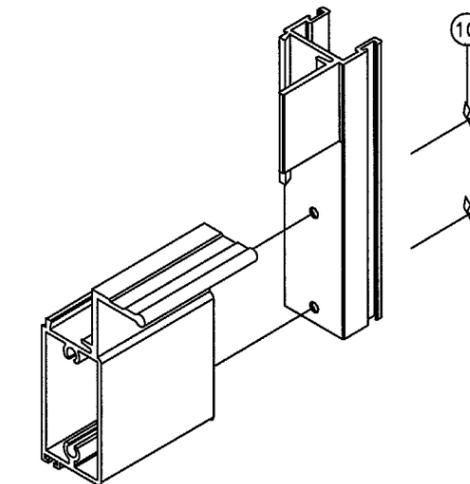
FRAME TOP CORNER



FRAME BOTTOM CORNER



VENT TOP CORNER



VENT BOTTOM CORNER

ENGINEER:
FRANK L. BERNARDO, P.E.
FL #E0046548

JAN 13 2003

FRANK L. BERNARDO, P.E.
CONSULTING ENGINEER
4441 NORTH DIXIE HIGHWAY
BOCA RATON, FL 33431
(561) 391-2888 FAX: (561) 391-2862
WWW.FLBENGINEERING.COM
EMAIL: FRANK@FLBENGINEERING.COM

COASTAL-240 IMPACT SINGLE HUNG WINDOW
TRACO SECURITY WINDOWS & DOORS INC.
71 PROGRESS AVENUE
CRANBERRY TOWNSHIP, PA 16166-3596
TEL. (724) 776-7000

REVISIONS
DESCRIPTION DATE

SCALE: 1/2" = 1"
DRAWN BY: FLB
CHECKED BY:
PRINT DATE: 01/13/03
JOB #:

Approved as complying with the
Florida Building Code
Date FEB. 6, 2003
NOA# 02-1120-03
Miami Dade Product Control
Division
By *Manuel Diaz*

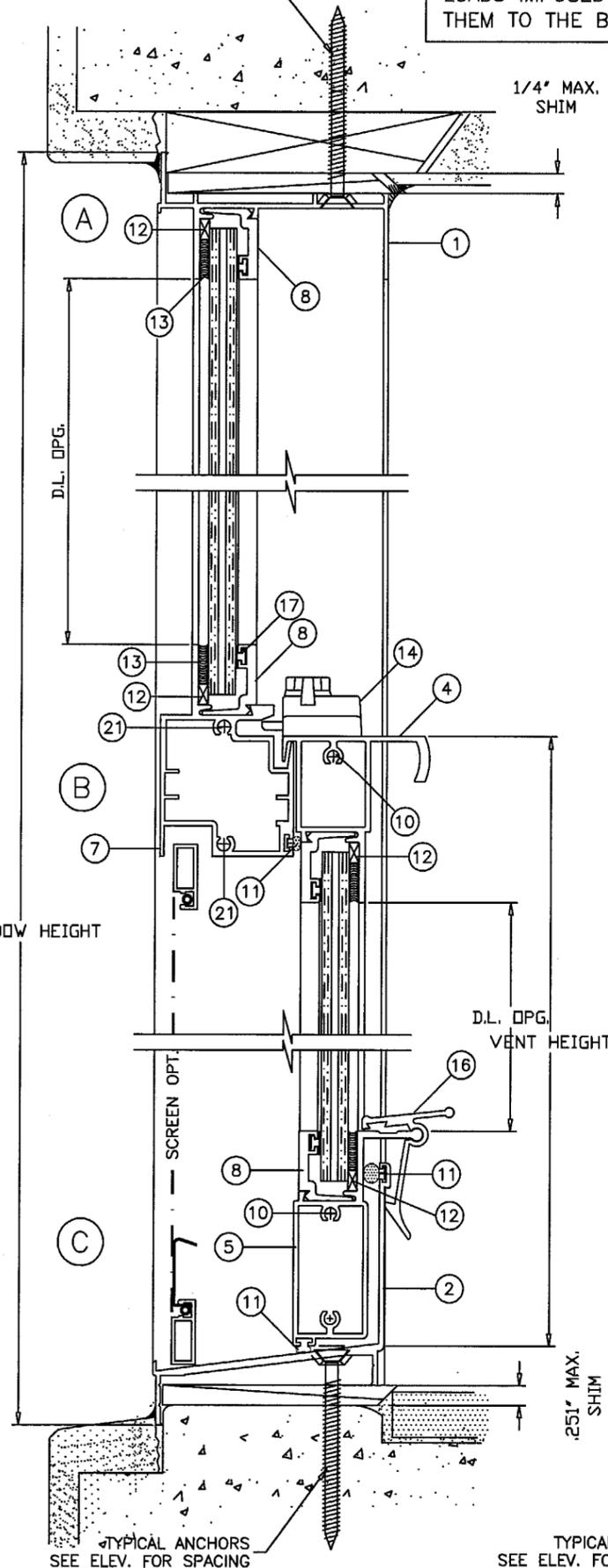
SHEET:
3 OF 3
DRG: W99-62

TYPICAL ANCHORS
SEE ELEV. FOR SPACING

WOOD BUCKS NOT BY SECURITY WINDOWS, MUST SUSTAIN
LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER
THEM TO THE BUILDING STRUCTURE.

EXTERIOR

WINDOW HEIGHT



TYPICAL ANCHORS
SEE ELEV. FOR SPACING

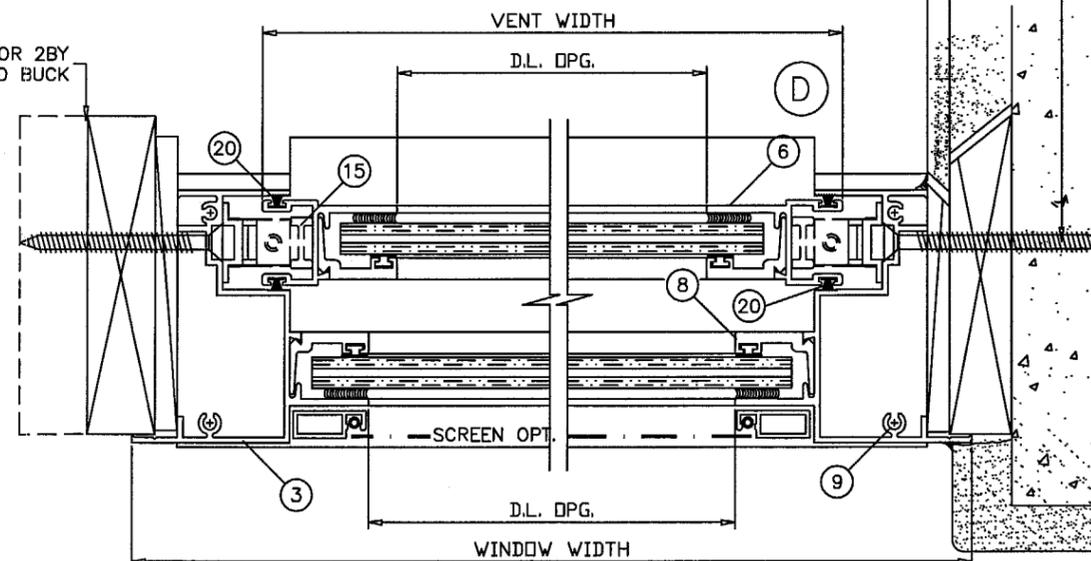
1BY OR 2BY
WOOD BUCK

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	050-00-572	1	FRAME HEAD	6063-T6	-
2	050-00-308	1	FRAME SILL	6063-T6	-
3	050-00-586	2	FRAME JAMB	6063-T5	-
4	051-00-571	1	VENT TOP	6063-T6	-
5	051-00-548	1	VENT BOTTOM	6063-T5	-
6	050-00-570	2	VENT SIDE	6063-T6	-
7	051-00-573	1	FIXED MEETING RAIL	6063-T6	-
8	050-00-569	4/	LITE GLASS STOP	6063-T6	-
9	012-00-835	AS REQD.	FRAME ASSEMBLY SCREW		#8 X 1" PPHH SMS
10	012-00-835	AS REQD.	VENT ASSEMBLY SCREW		#8 X 1" PPHH SMS
11	046-00-098	AS REQD.	W'STRIPPING (FABRIC COATED FOAM)		SCHLEGEL Q-LON .375 X .190
12	046-16-102	12	SETTING BLOCK .10" X .30" X 1-5/8" LONG		5" FROM ENDS & AT MIDSPAN
13	-	AS REQD.	GLAZING COMPOUND	SILICONE	DOW 1199
14	007-10-016	2	SWEEP LOCK (AT 6-3/4" FROM ENDS)	ZINC CAST	MARBOLLO INT.
15	046-16-030	2	BLOCK AND TACKLE BALANCE		WINDOW COMPONENTS (5/8" BOX)
16	050-00-718	1	SNAP LATCH 3" LONG W/ SPRING	6063-T5	AT MID WIDTH
17	046-00-010	AS REQD.	BULB VINYL		WIBORG
18	-	-	-	-	-
19	-	-	-	-	-
20	047-00-015	AS REQD.	FIN SEAL PILE		AMESBURY 180X150 OR EQUIV.
21	012-00-130	4	MTG. RAIL ASSEMBLY SCREW		#10 X 1" PPHH SMS

TYPICAL ANCHORS
SEE ELEV. FOR SPACING

1/4" MAX.
SHIM @ JAMBS

1BY OR 2BY
WOOD BUCK



EXTERIOR

Approved as complying with the
Florida Building Code
Date **FEB. 6, 2003**
NOA# **02-1126.03**
Miami Dade Product Control
Division
By *Manuel*

ENGINEER:
FRANK L. BERNARDO, P.E.
FL #FE0046548

IAN 1 3 2003

FRANK L. BERNARDO, P.E.
CONSULTING ENGINEER
4441 NORTH DIXIE HIGHWAY
BOCA RATON, FL 33431
(561) 391-2888 FAX:(561) 391-2862
WWW.FLBENGINEERING.COM
EMAIL: FRANK@FLBENGINEERING.COM

COASTAL-240 IMPACT SINGLE HUNG WINDOW

TRACO SECURITY WINDOWS & DOORS INC.

71 PROGRESS AVENUE

CRANBERRY TOWNSHIP, PA 16166-3596

TEL. (724) 776-7000

REVISIONS
DESCRIPTION DATE

SCALE: 1/2" = 1"
DRAWN BY: FLB
CHECKED BY:
PRINT DATE: 01/13/03
JOB #

SHEET:
2 OF 3
DRG: W99-62