



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)

www.buildingcodeonline.com

TRACO Security Windows & Doors, Inc.
71 Progress Avenue
Cranberry Township, P.A. 16066

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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series 140 (540) Aluminum Single Hung Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. **W01-71**, titled "Coastal 140/540 Impact Single Hung Window", sheets 1 through 5 of 5, dated 10/19/01, with revision C dated 05/04/06 prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration 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 # **01-1115.07** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

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



NOA No. 06-0118.02
Expiration Date: January 10, 2012
Approval Date: January 11, 2007
Page 1

TRACO Security Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W01-71**, Sheets 1 through 5 of 5, titled "Coastal 140/540 Impact Single Hung Window", dated 10/19/01 with revision C dated 05/04/06, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

1. Test reports on
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 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-2285**, dated 03/26/99, signed and sealed by Gilbert Diamond, P.E.

"Submitted under NOA# 01-1115.07"

C. CALCULATIONS

1. Revised Anchor Calculations and structural analysis, complying with FBC-2004, prepared by Traco Security Windows, dated 05/08/06, signed and sealed by Humayoun Farooq, P.E. **Complies with ASTM E- 1300-98**

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

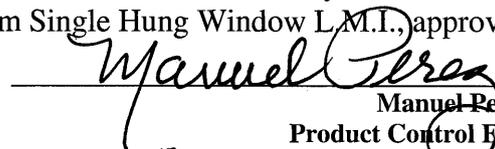
1. Notice of Acceptance No. **01-1204.01** issued to E.I. DuPont DeNemours for "Sentry Glass Plus" dated 01/17/02, expiring on 01/14/07.
2. Notice of Acceptance No. **01-0205.02** issued to Solutia, Inc. for "Saflex/ Keepsafe Maximum" dated 05/17/01, expiring on 05/21/06.

F. STATEMENTS

1. Statement letter of no financial interest, dated 10/15/05, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of compliance, dated 10/15/05, signed and sealed by Humayoun Farooq, P.E.

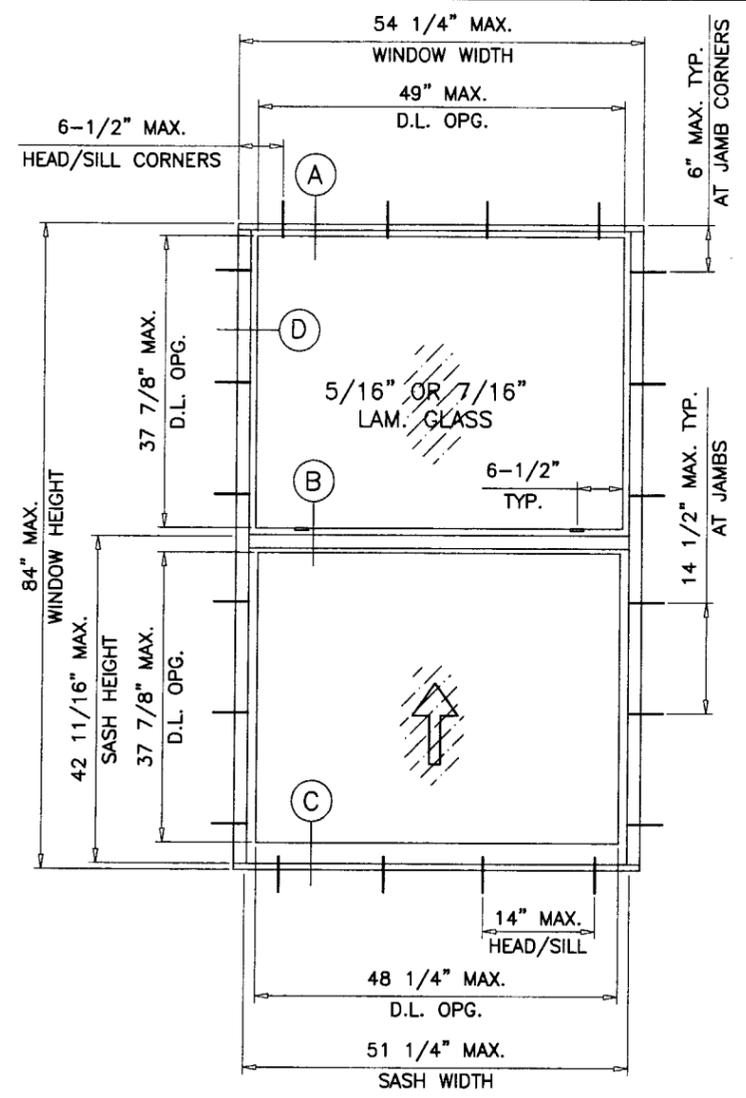
G. OTHER

1. Notice of Acceptance No. **01-1115.07**, issued to TRACO Security Windows & Doors, Inc., for their Series 140(540) Aluminum Single Hung Window L.M.I., approved on 01/10/02 and expiring on 01/10/07.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 06-0118.02
Expiration Date: January 10, 2012
Approval Date: January 11, 2007

| no | date | description |
|----|----------|--------------------------------|
| A | 12.13.01 | REV. PER BCCO/MFG. COMMENTS |
| B | 07.26.05 | REV. FOR 2004 FBC & INTERLAYER |
| C | 05.04.06 | REV. PER BCCO COMMENTS |

| | |
|----------|-----------|
| date: | 10-19-01 |
| scale: | 1/2" = 1" |
| dr. by: | HAMID |
| chk. by: | |



| DESIGN LOAD CAPACITY - PSF EQUAL GLASS HEIGHTS | | | | | |
|---|----------------|----------------|----------|----------------------|----------|
| WINDOW DIMS. | | GLASS TYPE 'A' | | GLASS TYPE 'B' & 'C' | |
| WIDTH | HEIGHT | EXT. (+) | INT. (-) | EXT. (+) | INT. (-) |
| 19-1/8" | 26" (2) | 90.0 | 106.0 | 90.0 | 106.0 |
| 26-1/2" | | 90.0 | 106.0 | 90.0 | 106.0 |
| 37" | | 90.0 | 106.0 | 90.0 | 106.0 |
| 53-1/8" | | 90.0 | 106.0 | 90.0 | 106.0 |
| 19-1/8" | 38-3/8" (3) | 90.0 | 106.0 | 90.0 | 106.0 |
| 26-1/2" | | 90.0 | 106.0 | 90.0 | 106.0 |
| 37" | | 90.0 | 106.0 | 90.0 | 106.0 |
| 53-1/8" | | 90.0 | 106.0 | 90.0 | 106.0 |
| 19-1/8" | 50-5/8" (4) | 90.0 | 106.0 | 90.0 | 106.0 |
| 26-1/2" | | 90.0 | 106.0 | 90.0 | 106.0 |
| 37" | | 90.0 | 106.0 | 90.0 | 106.0 |
| 53-1/8" | | 90.0 | 106.0 | 90.0 | 106.0 |
| 19-1/8" | 58" (5) | 90.0 | 106.0 | 90.0 | 106.0 |
| 26-1/2" | | 90.0 | 106.0 | 90.0 | 106.0 |
| 37" | | 90.0 | 106.0 | 90.0 | 106.0 |
| 53-1/8" | | 90.0 | 106.0 | 90.0 | 106.0 |
| 19-1/8" | 63" (5) | 90.0 | 106.0 | 90.0 | 106.0 |
| 26-1/2" | | 90.0 | 106.0 | 90.0 | 106.0 |
| 37" | | 90.0 | 106.0 | 90.0 | 106.0 |
| 53-1/8" | | 90.0 | 106.0 | 90.0 | 106.0 |
| 19-1/8" | 74-1/4" (6) | 90.0 | 106.0 | 90.0 | 106.0 |
| 26-1/2" | | 90.0 | 106.0 | 90.0 | 106.0 |
| 37" | | 90.0 | 106.0 | 90.0 | 106.0 |
| 53-1/8" | | 90.0 | 97.0 | 90.0 | 106.0 |
| 19-1/8" | 84" (6) | 90.0 | 106.0 | 90.0 | 106.0 |
| 26-1/2" | | 90.0 | 106.0 | 90.0 | 106.0 |
| 37" | | 90.0 | 106.0 | 90.0 | 106.0 |
| 53-1/8" | | 90.0 | 104.9 | 90.0 | 106.0 |

NOTE:
 GLASS CAPACITIES ON THIS SHEET ARE
 BASED ON ASTM E1300-98 (60 SEC. WIND)

COASTAL-140 SINGLE HUNG WINDOWS

WINDOWS GLAZED WITH LAMINATED GLASS TO BE RATED FOR LARGE MISSILE IMPACT AND REQUIRE NO SHUTTERS.
 DESIGN LOAD RATING FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ABOVE.

- WINDOWS CAN BE WITH:
 A- EQUAL GLASS HEIGHTS
 B- UNEQUAL GLASS HEIGHTS (ORIEL TYPE)

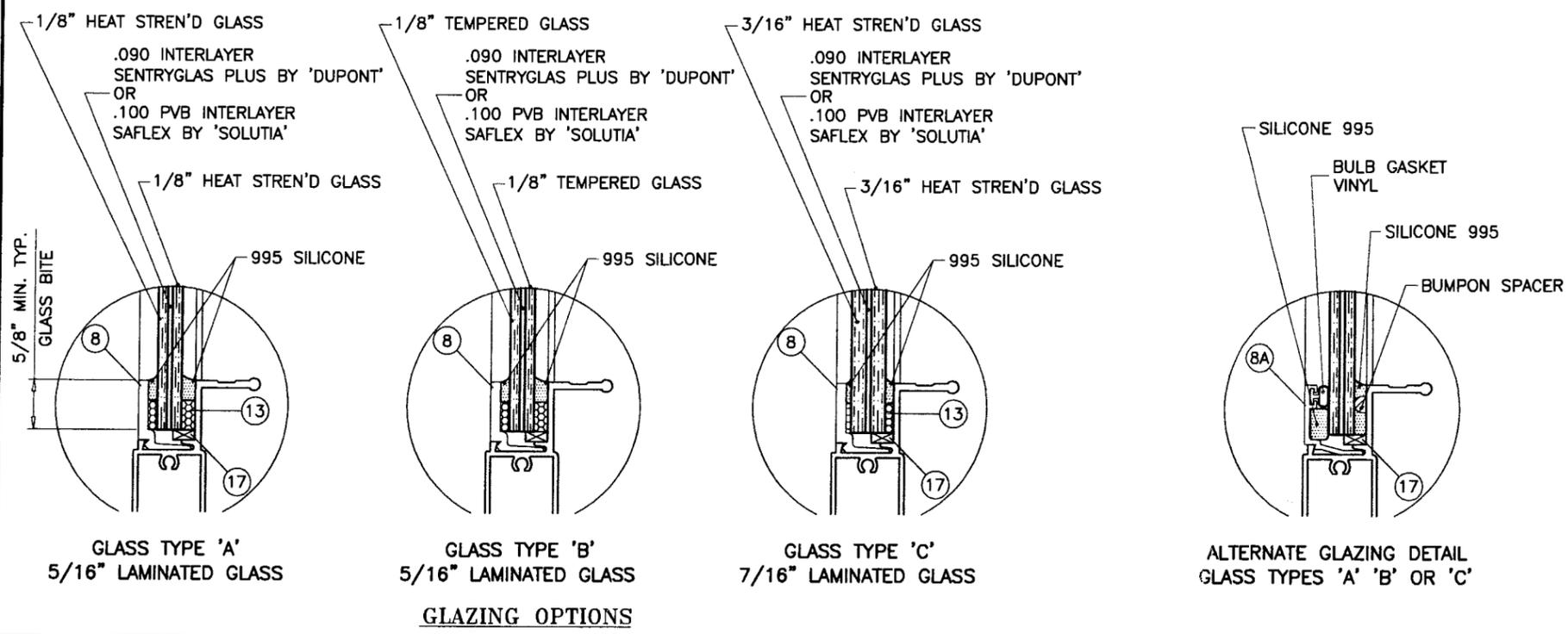
THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 EDITION (REV. 2005) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
 ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED.

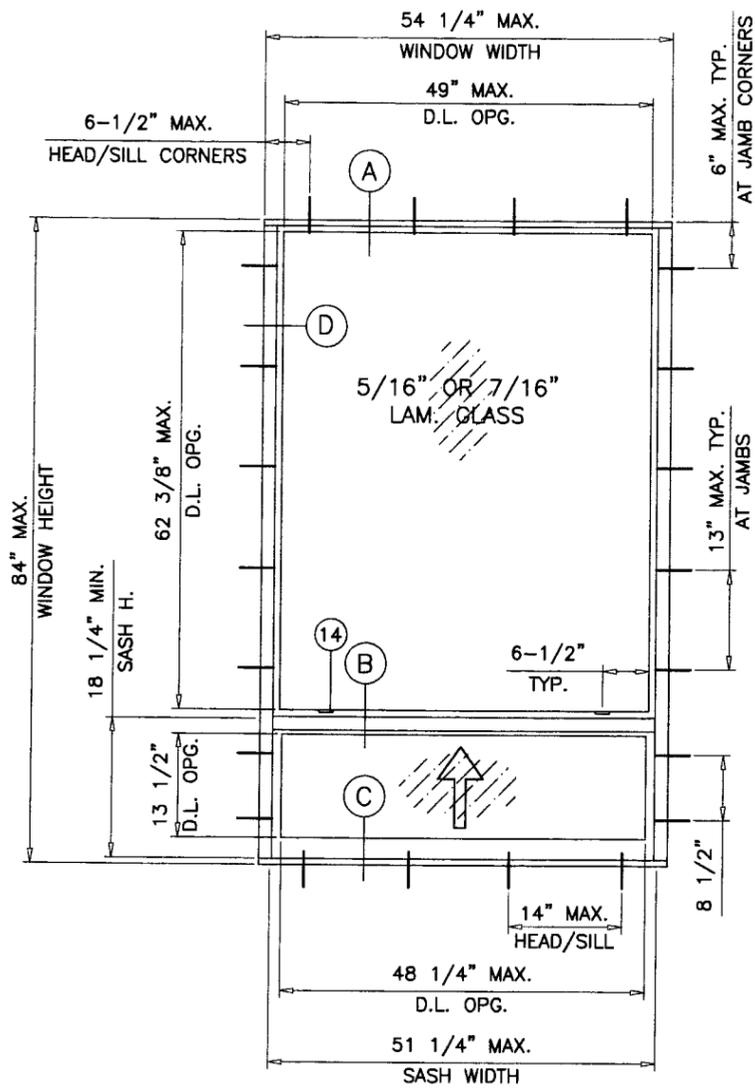


Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538

MAY 09 2006

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 06-018-02
 Expiration Date JAN 10, 2012

by *Manuel Perez*
 Miami Dade Product Control
 Division



TYPICAL ELEVATION
UNEQUAL LITES

| DESIGN LOAD CAPACITY - PSF ORIEL SIZES | | | | | | | |
|---|----------------|----------------|----------|----------------|----------|----------------|----------|
| WINDOW DIMS. | | GLASS TYPE 'A' | | GLASS TYPE 'B' | | GLASS TYPE 'C' | |
| WIDTH | HEIGHT | EXT. (+) | INT. (-) | EXT. (+) | INT. (-) | EXT. (+) | INT. (-) |
| 19-1/8" | 50-5/8" (5) | 90.0 | 106.0 | 90.0 | 106.0 | 90.0 | 106.0 |
| 26-1/2" | | 90.0 | 106.0 | 90.0 | 106.0 | 90.0 | 106.0 |
| 37" | | 90.0 | 106.0 | 90.0 | 106.0 | 90.0 | 106.0 |
| 53-1/8" | | 90.0 | 106.0 | 90.0 | 106.0 | 90.0 | 106.0 |
| 19-1/8" | 58" (5) | 90.0 | 106.0 | 90.0 | 106.0 | 90.0 | 106.0 |
| 26-1/2" | | 90.0 | 106.0 | 90.0 | 106.0 | 90.0 | 106.0 |
| 37" | | 90.0 | 106.0 | 90.0 | 106.0 | 90.0 | 106.0 |
| 53-1/8" | | 90.0 | 106.0 | 90.0 | 106.0 | 90.0 | 106.0 |
| 19-1/8" | 63" (6) | 90.0 | 106.0 | 90.0 | 106.0 | 90.0 | 106.0 |
| 26-1/2" | | 90.0 | 106.0 | 90.0 | 106.0 | 90.0 | 106.0 |
| 37" | | 90.0 | 106.0 | 90.0 | 106.0 | 90.0 | 106.0 |
| 53-1/8" | | 90.0 | 99.2 | 90.0 | 106.0 | 90.0 | 106.0 |
| 19-1/8" | 74-1/4" (7) | 90.0 | 106.0 | 90.0 | 106.0 | 90.0 | 106.0 |
| 26-1/2" | | 90.0 | 106.0 | 90.0 | 106.0 | 90.0 | 106.0 |
| 37" | | 90.0 | 90.9 | 90.0 | 106.0 | 90.0 | 106.0 |
| 53-1/8" | | 83.3 | 83.3 | 90.0 | 106.0 | 90.0 | 106.0 |
| 19-1/8" | 84" (7) | 90.0 | 106.0 | 90.0 | 106.0 | 90.0 | 106.0 |
| 26-1/2" | | 90.0 | 106.0 | 90.0 | 106.0 | 90.0 | 106.0 |
| 37" | | 77.5 | 77.5 | 90.0 | 106.0 | 90.0 | 106.0 |
| 53-1/8" | | 72.2 | 72.2 | 90.0 | 106.0 | 90.0 | 104.1 |

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-98 (60 SEC. WIND)

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

MAY 09 2006

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 06-0118.02
Expiration Date JAN 10, 2012

by: *Manuel Perez*
Miami Dade Product Control
Division

afc

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W01-71TSW

COASTAL 140/540 IMPACT SINGLE HUNG WINDOW

TRACO SECURITY WINDOWS & DOORS INC.
5100 N.W. 72 AVE.
MIAMI, FL. 33166
TEL. (305) 591-8990

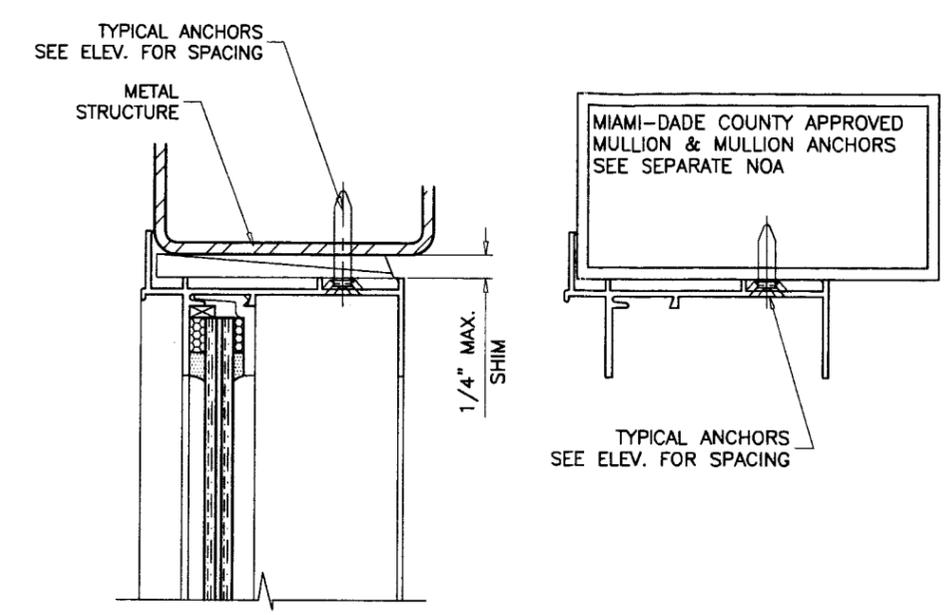
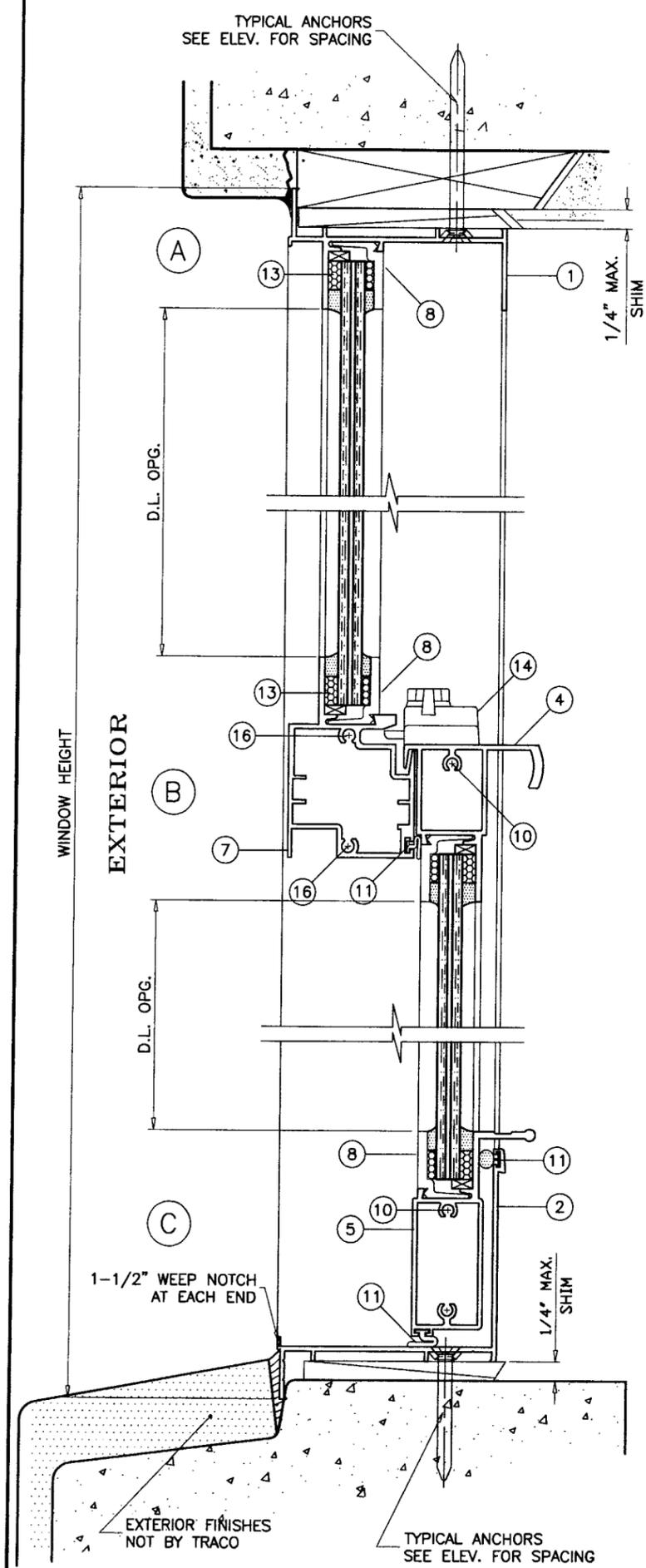
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| B | 07.26.05 | UPDATED FOR 2004 FBC |
| C | 05.04.06 | NO CHANGE THIS SHEET |

revisions:

date: 10-19-01
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W01-71

sheet 2 of 5



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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" TAPCONS

- INTO WOOD STRUCTURES
- 1-1/2" MIN. PENETRATION INTO WOOD
- THRU 1BY OR 2BY BUCKS INTO CONC. OR MASONRY
- 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
- DIRECTLY INTO CONC. OR MASONRY
- 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

#14 SMS OR SELF DRILLING SCREWS

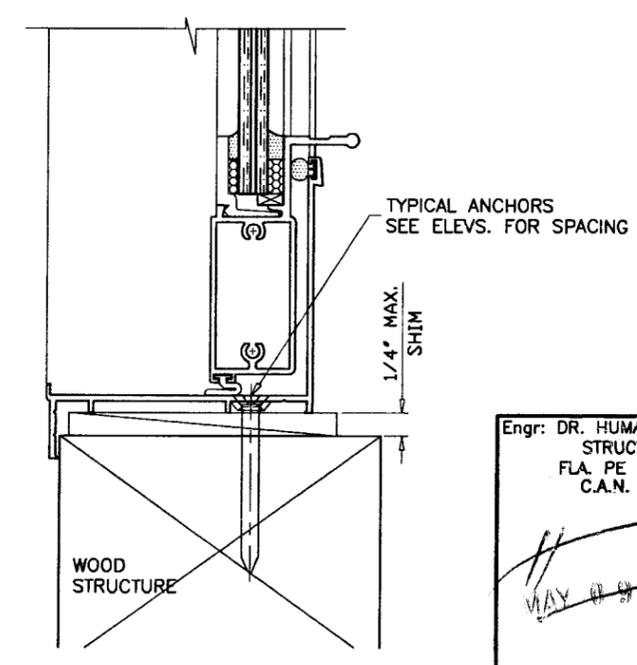
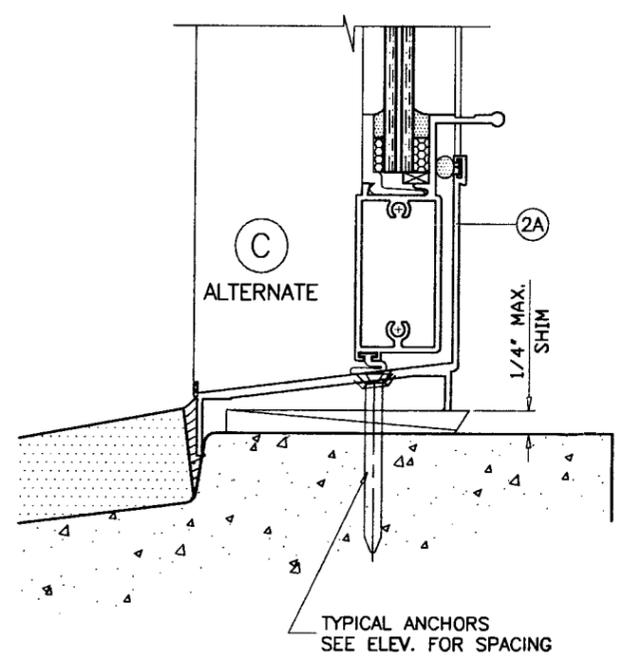
- INTO METAL STRUCTURES
- STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
- ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
- (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

#14 SMS OR SELF DRILLING SCREWS

- INTO DADE COUNTY APPROVED MULLIONS
- (NO SHIM SPACE)

MIN. EDGE DISTANCES

- INTO CONCRETE AND MASONRY = 1-5/8" MIN.
- INTO WOOD STRUCTURE = 1" MIN.
- INTO METAL STRUCTURE = 1/2" MIN.



Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **06-0118-02**
Expiration Date **JAN. 10, 2012**
Handwritten signature
Miami Dade Product Control
Division

afc

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W01-71TSW

COASTAL 140/540 IMPACT SINGLE HUNG WINDOW

TRACO SECURITY WINDOWS & DOORS INC.
5100 N.W. 72 AVE.
MIAMI, FL. 33166
TEL. (305) 591-8990

| no | date | description |
|----|----------|------------------------|
| B | 07.26.05 | ANCHOR EMBEDMENT REV. |
| C | 05.04.06 | REV. PER BCCO COMMENTS |

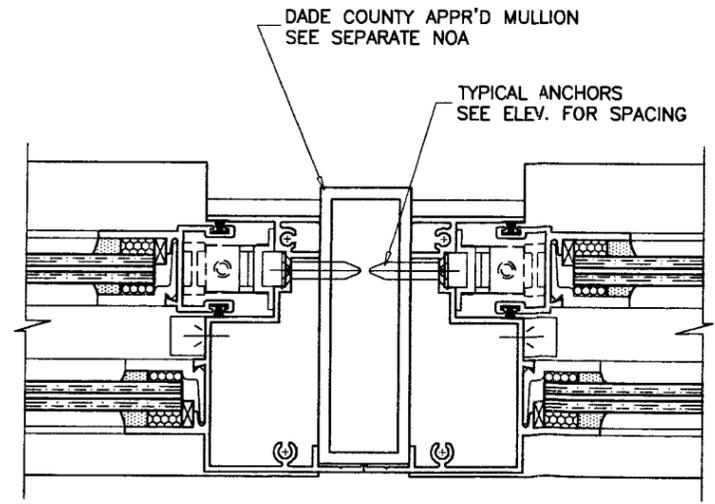
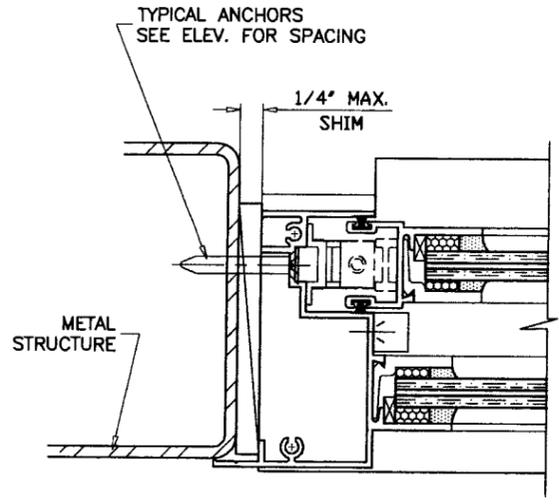
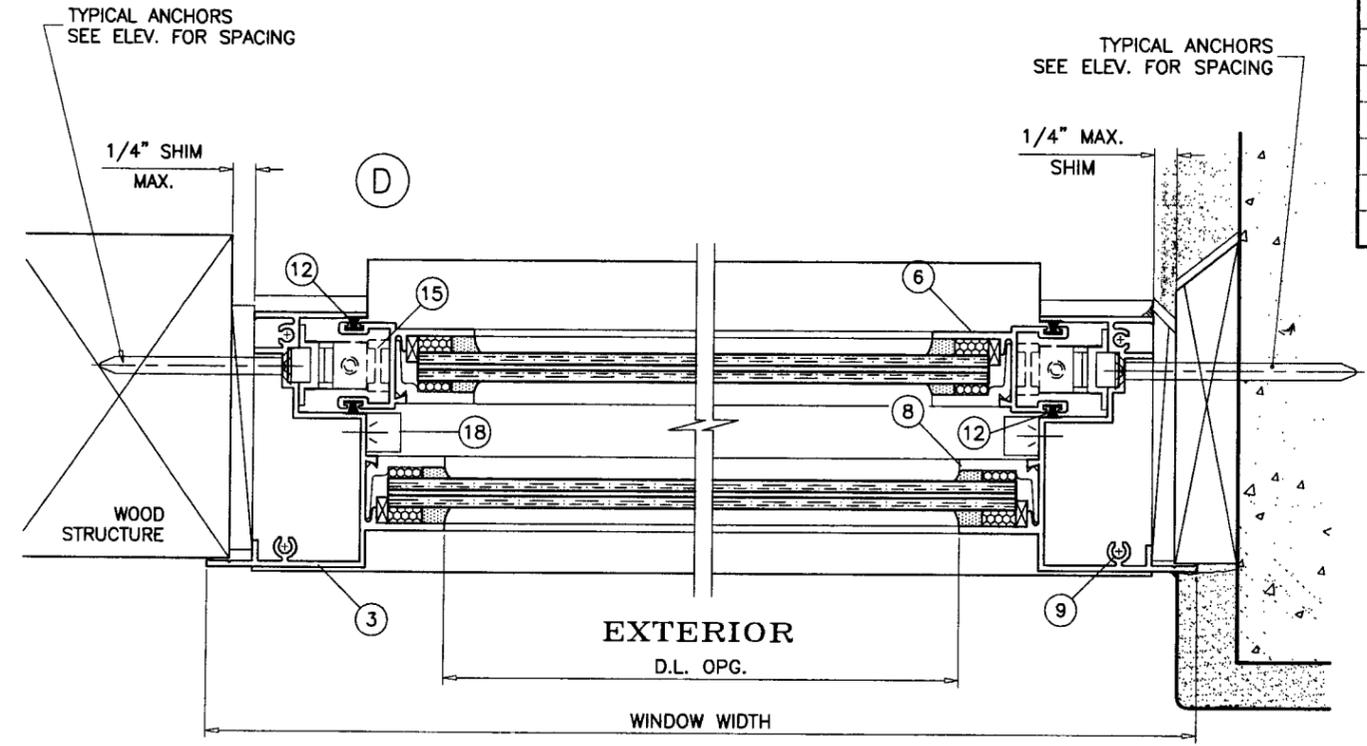
Revisions:

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scale: 1/2" = 1"
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chk. by:

drawing no.
W01-71

sheet 3 of 5

| ITEM NO. | PART NO. | QUANTITY | DESCRIPTION | MATERIAL | MANF./SUPPLIER/REMARKS |
|----------|------------|----------|--------------------------------------|-----------|----------------------------|
| 1 | 050-00-572 | 1 | HEAD | 6063-T6 | TIFTON |
| 2 | 050-00-585 | 1 | SILL | 6063-T6 | TIFTON |
| 2A | 050-00-308 | 1 | ALTERNATE SILL | 6063-T6 | TIFTON |
| 3 | 050-00-586 | 2 | JAMB | 6063-T6 | TIFTON |
| 4 | 050-00-571 | 1 | VENT TOP | 6063-T6 | TIFTON |
| 5 | 050-00-548 | 1 | VENT BOTTOM | 6063-T6 | TIFTON |
| 6 | 051-00-570 | 2 | VENT SIDE | 6063-T6 | TIFTON |
| 7 | 050-00-573 | 1 | MEETING RAIL | 6063-T6 | TIFTON |
| 8 | 050-00-569 | 4/ LITE | GLASS STOP | 6063-T6 | TIFTON |
| 8A | 050-00-559 | 4/ LITE | GLASS STOP (OPTIONAL) | 6063-T6 | TIFTON |
| 9 | 012-00-832 | AS REQD. | FRAME ASSEMBLY SCREW | | #8 X 3/4" PHPH SMS |
| 10 | 050-00-000 | AS REQD. | VENT ASSEMBLY SCREW | | #8 X 1" PHPH SMS |
| 11 | 32328 | AS REQD. | W'STRIPPING (FABRIC COATED FOAM) | | SCHLEGEL Q-LON .375 X .190 |
| 12 | 047-00-015 | AS REQD. | FIN SEAL PILE | | ULTRAFAB |
| 13 | UIS20 | AS REQD. | GLAZING TAPE (3/16" X 3/8") | | - |
| 14 | 007-10-016 | 2 | SWEEP LOCK (AT 6-1/2" FROM ENDS) | ZINC CAST | MARBOLLO INT. |
| 15 | 046-16-030 | 2 | BLOCK AND TACKLE BALANCE (6000/6100) | | BALANCE SYSTEMS OR EQUIV. |
| 16 | | AS REQD. | MTG. RAIL ASSEMBLY SCREW | | #10 X 1" PHPH SMS |
| 17 | - | AS REQD. | SETTING BLOCK | | 1/8" X 9/32" X 2" LONG |
| 18 | 000-00-000 | 2 | VENT GUIDE (1/2" X 7/8" X 3/8" H.) | NYLON | FASTENED W/ #6 X 1/2" |



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MAY 09 2006

by *Muhammad Farooq*
Miami Dade Product Control
Division

afc

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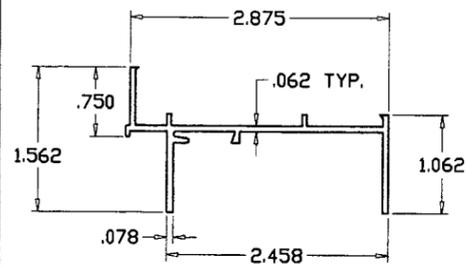
| no | date | description |
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| B | 07.26.05 | NO CHANGE THIS SHEET |
| C | 05.04.06 | REV. PER BCCO COMMENTS |

revisions:

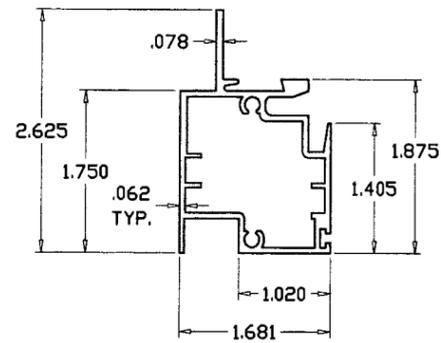
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W01-71

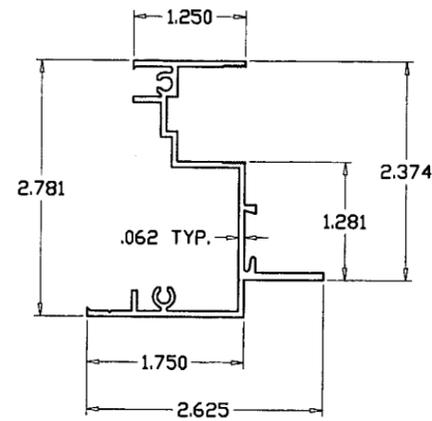
sheet 4 of 5



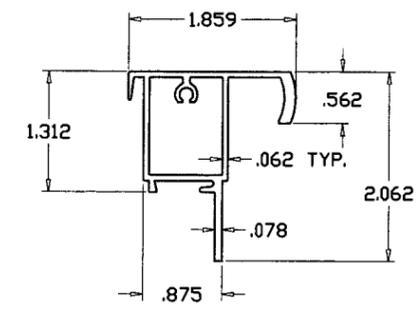
① FRAME HEAD



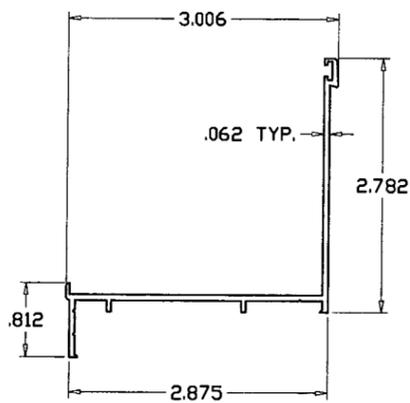
⑦ MEETING RAIL



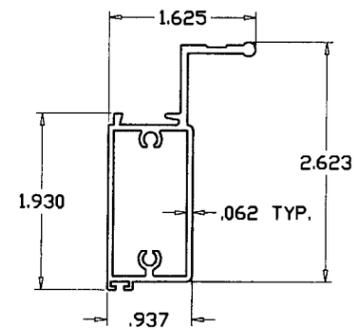
③ FRAME JAMB



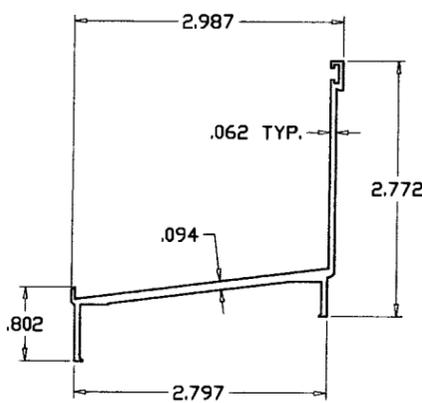
④ VENT TOP RAIL



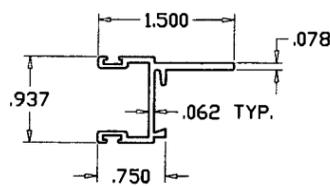
② FRAME SILL



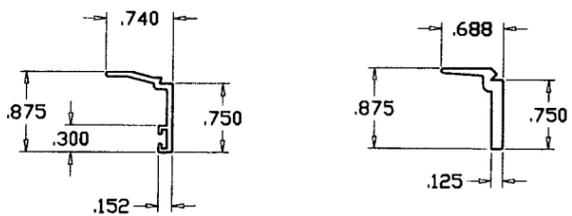
⑤ VENT BOTTOM RAIL



②A ALT. FRAME SILL

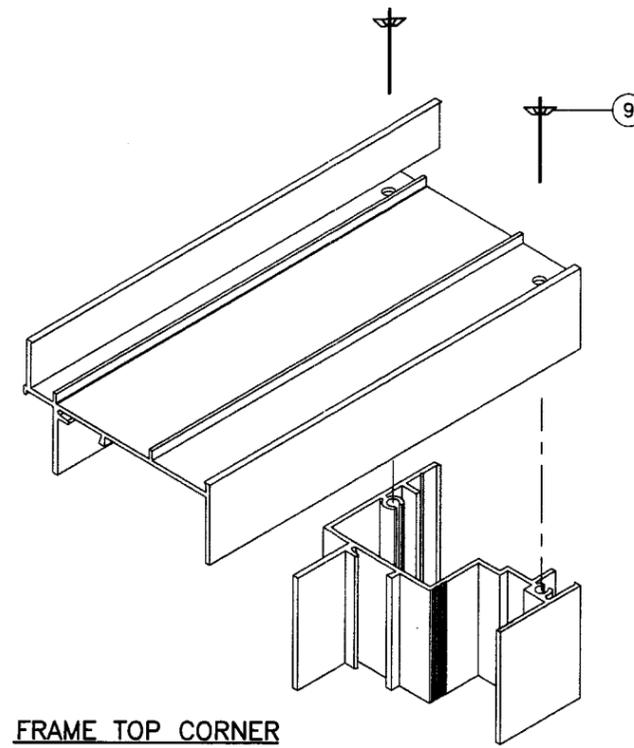


⑥ VENT SIDE RAIL

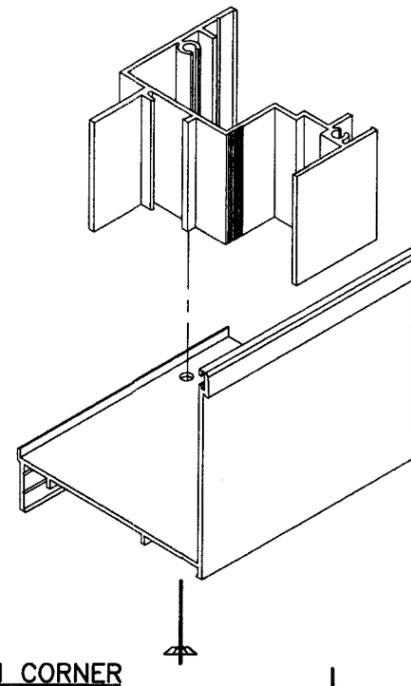


⑧A GLASS STOP

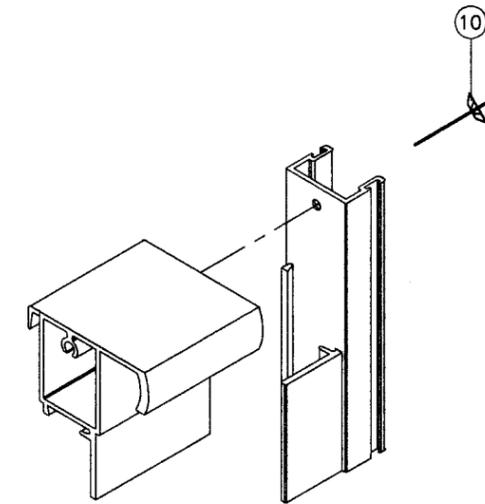
⑧



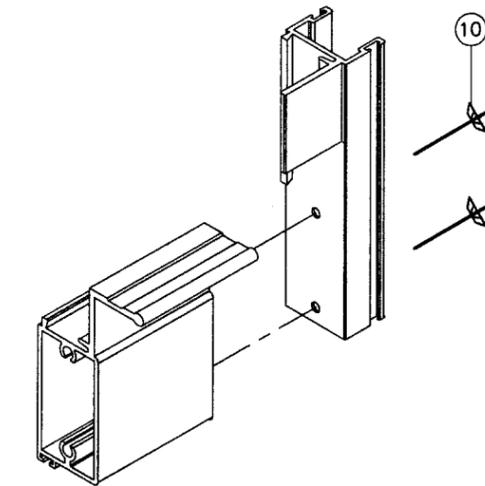
FRAME TOP CORNER



FRAME BOTTOM CORNER



VENT TOP CORNER



VENT BOTTOM CORNER

Engr: DR. HUMAYOON FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 06-0118.02
Expiration Date JAN. 10, 2012
By: *Manuel Perez*
Miami Date Product Control
Division

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W01-71TSW

COASTAL140/540 IMPACT SINGLE HUNG WINDOW
TRACO SECURITY WINDOWS & DOORS INC.
5100 N.W. 72 AVE.
MIAMI, FL. 33166
TEL. (305) 591-8990

| revisions: | no | date | by | description |
|------------|----|----------|----|----------------------|
| | B | 07.26.05 | | NO CHANGE THIS SHEET |
| | C | 05.04.06 | | NO CHANGE THIS SHEET |

date: 10-19-01
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W01-71

sheet 5 of 5