



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](http://www.buildingcodeonline.com)

**TRACO**

71 Progress Avenue  
 Cranberry Township, PA 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(248)" Aluminum Sliding Glass Door - L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **W01-59**, titled "Series 140 (248) Aluminum Sliding Glass Door", sheets 1 through 5 of 5, dated 08/30/01 with revision "C" dated 05/22/06, 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 renews NOA # **06-0201.03** and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



*J. Gascon*  
 12/7/06

NOA No 06-0926.06  
 Expiration Date: January 24, 2012  
 Approval Date: December 28, 2006  
 Page 1

## TRACO

### NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

#### A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W01-59**, Sheets 1 through 5 of 5, titled "Series 140 (248) Aluminum Sliding Glass Door", prepared by Al-Farooq Corporation, dated 08/30/01 with revision A dated 05/22/06, 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 20294
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94

Along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Certified Testing Laboratories, Test Report No. **CTLA-682W** dated 07/25/01, signed and sealed by Ramesh C. Patel, P.E.

*"Submitted under NOA# 06-0201.06"*

#### C. CALCULATIONS

1. Revised Anchor verification calculations, complying with FBC-2004, dated 05/24/06, prepared by AL-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.  
**Complies with ASTM E1300-98/02 "Submitted under NOA# 06-0201.06"**

#### D. QUALITY ASSURANCE

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

#### E. MATERIAL CERTIFICATIONS

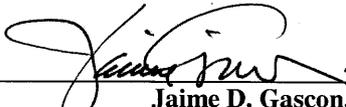
1. Notice of Acceptance No. **06-0216.06**, issued to Solutia Inc. for their "Saflex III G PVB Interlayer", approved on 05/05/06 and expiring on 05/21/11.

#### F. STATEMENTS

1. Statements of compliance and financial interest, prepared by Al Farooq Corporation, dated 07/25/05 and signed and sealed by Humayoun Farooq, P.E.

#### G. OTHER

1. Letter from the consultant, dated 05/31/06, stating that the product is in compliance with the Florida Building Code (FBC).
2. Notice of Acceptance No. **06-0201.03**, issued to Traco Security Windows & Doors, for Series 140 (248) Aluminum Sliding Glass Door Impact, dated 01/24/02 and expiring on 01/24/07.

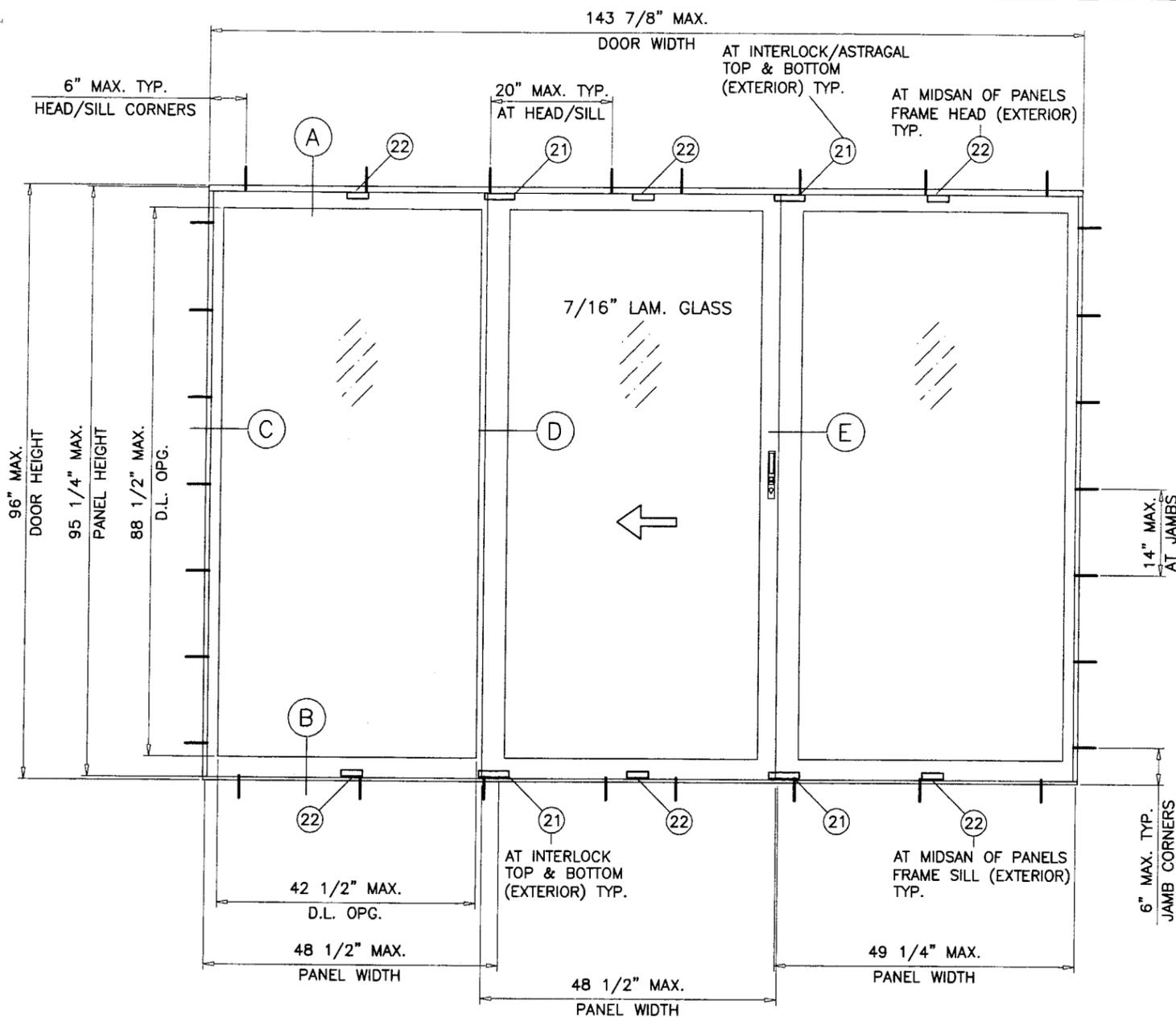


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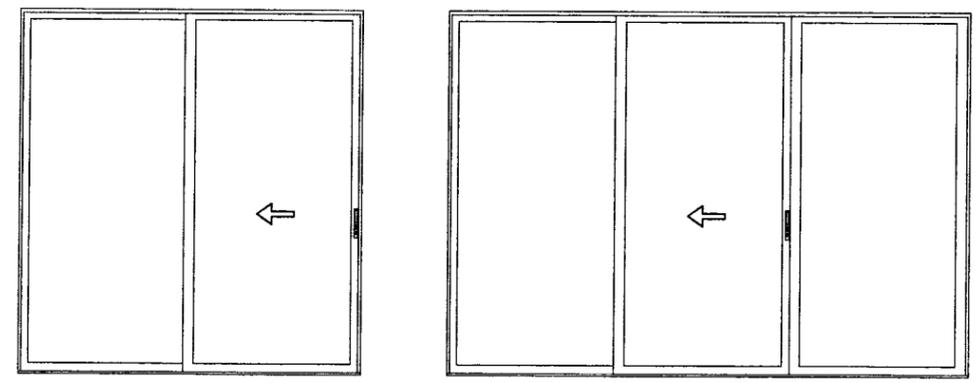
Jaime D. Gascon, P.E.

Chief, Product Control Division  
NOA No 06-0926.06

Expiration Date: January 24, 2012  
Approval Date: December 28, 2006



TYPICAL ELEVATION  
TESTED UNIT



OX OR XO                      OXO

APPROVED CONFIGURATIONS

LARGE MISSILE IMPACT RESISTANT DOORS SHUTTERS NOT REQUIRED			
7/16" LAMINATED GLASS			
PANEL WIDTH NOMINAL FT./IN.	DOOR HEIGHT FT./IN.	DESIGN LOAD - PSF	
		EXT. (+)	INT. (-)
2/6	6/8	65.0	65.0
3/0		65.0	65.0
3/6		65.0	65.0
4/0		65.0	65.0
4/6		65.0	65.0
2/6	8/0	65.0	65.0
3/0		65.0	65.0
3/6		65.0	65.0
4/0		60.0	60.0

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

NOTES:

- 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

NOV 30 2006

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 06-0926.06  
Expiration Date 04/24/12  
By [Signature]  
Miami Code 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\W01-59TS

SERIES 140(248) ALUM. SLIDING GLASS DOOR

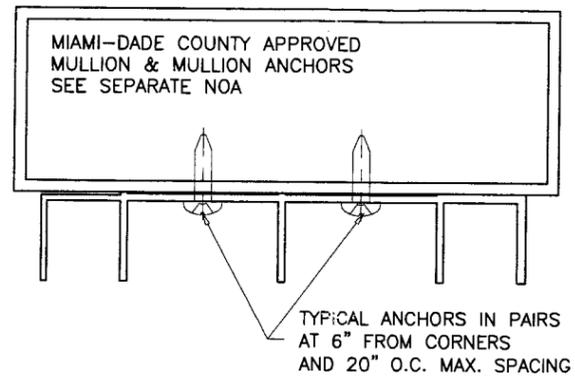
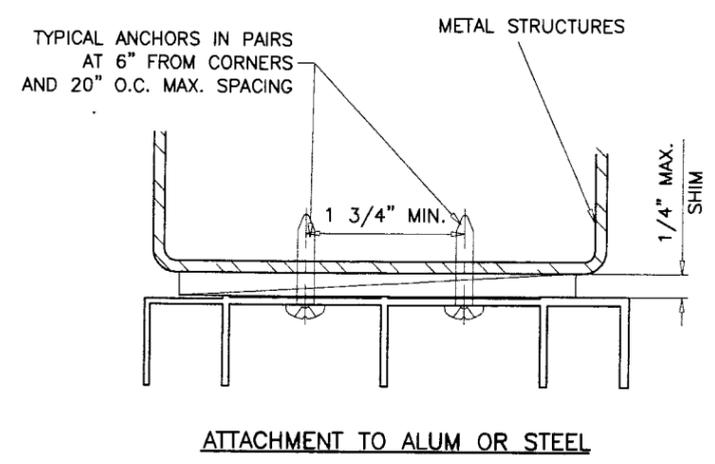
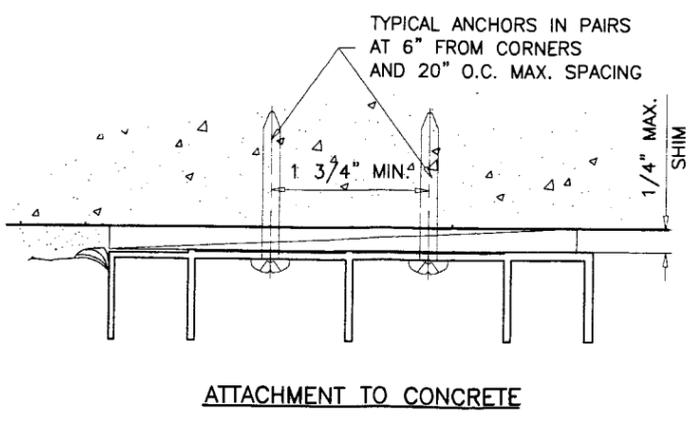
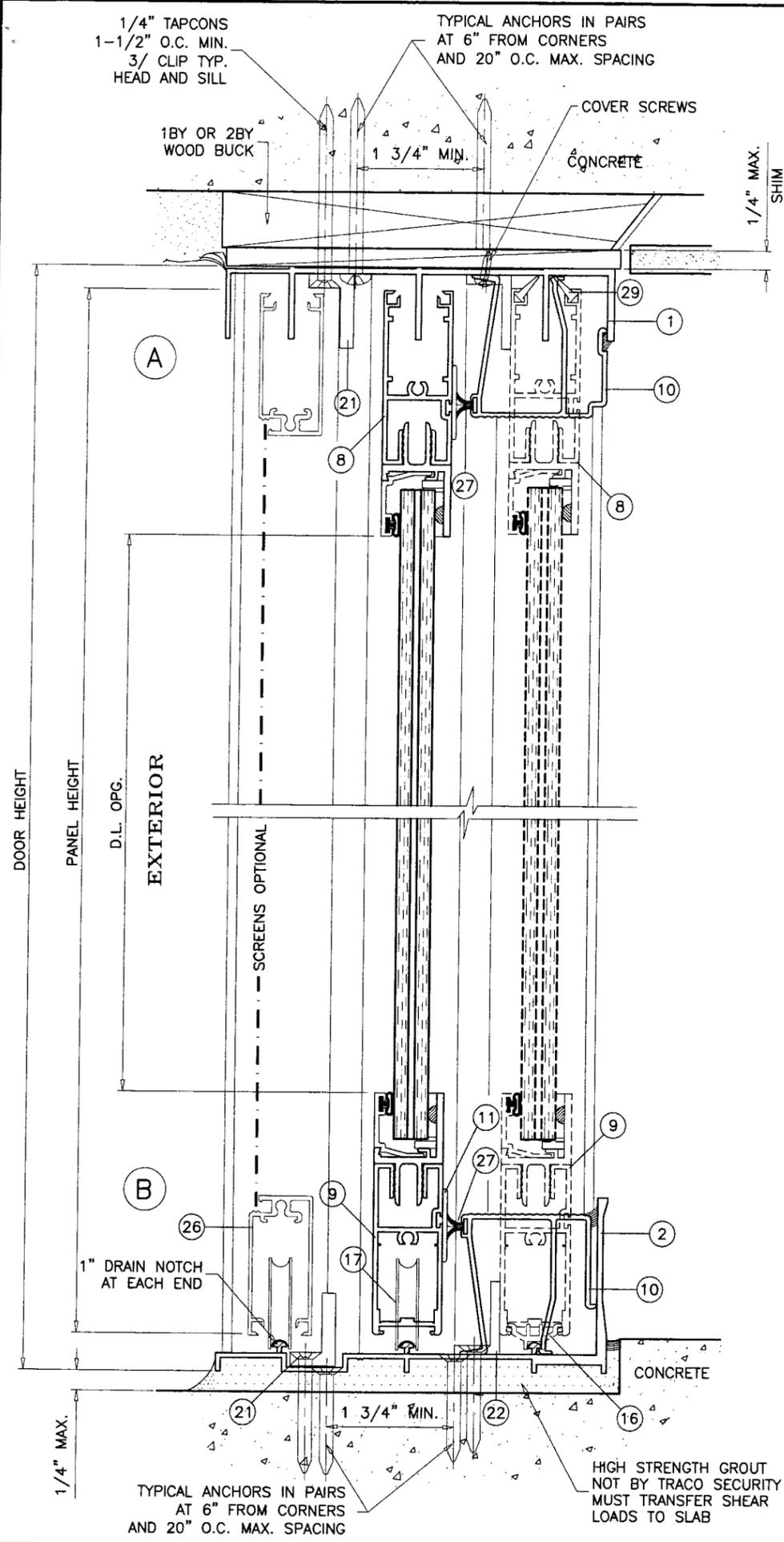
**TRACO SECURITY WINDOWS & DOORS INC.**  
5100 N.W. 72 AVE.  
MIAMI, FL. 33166  
TEL. (305) 591-8990

no	date	by	description
A	12.20.01	REV. PER BCCO COMMENTS	
B	07.26.05	UPDATED FOR 2004 FBC	
C	05.22.06	REV. PER BCCO COMMENTS	

date: 08-30-01  
scale: 1/2"=1'-0"  
dr. by: HAMID  
chk. by:

drawing no.  
**W01-59**

sheet 1 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.

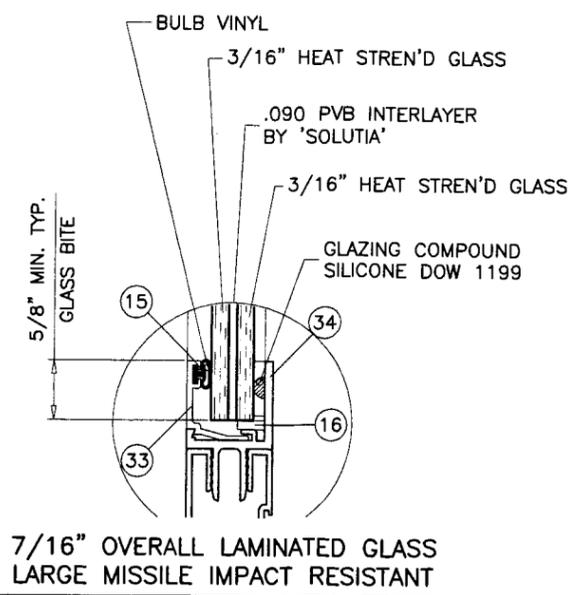
**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING (AT FRAME MEMBERS)

**3/16" TAPCONS**  
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
 1-1/2" MIN. PENETRATION INTO WOOD  
 THRU 1BY 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  
 INTO CLIP ANGLES ITEM NO. (21) USE 1/4" DIA. TAPCONS  
 SAME EMBEDMENTS AS ABOVE

**1/4" TEKS 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)

**3/16" TEKS OR SELF DRILLING SCREWS**  
 INTO APPROVED MULLIONS  
 (NO SHIM SPACE)

**TYPICAL EDGE DISTANCE**  
 INTO CONCRETE AND MASONRY = 2-1/2" MIN.  
 INTO WOOD STRUCTURE = 1" MIN.  
 INTO METAL STRUCTURE = 1/2" MIN.



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

NOV 30 2006

**PRODUCT RENEWED**  
 in compliance with the Florida Building Code  
 Acceptance No 06-0926.04  
 Expiration Date 01/24/12

By: *[Signature]*  
 Miami Dade 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

SERIES 140(248) ALUM. SLIDING GLASS DOOR  
**TRACO SECURITY WINDOWS & DOORS INC.**  
 5100 N.W. 72 AVE.  
 MIAMI, FL. 33166  
 TEL. (305) 591-8990

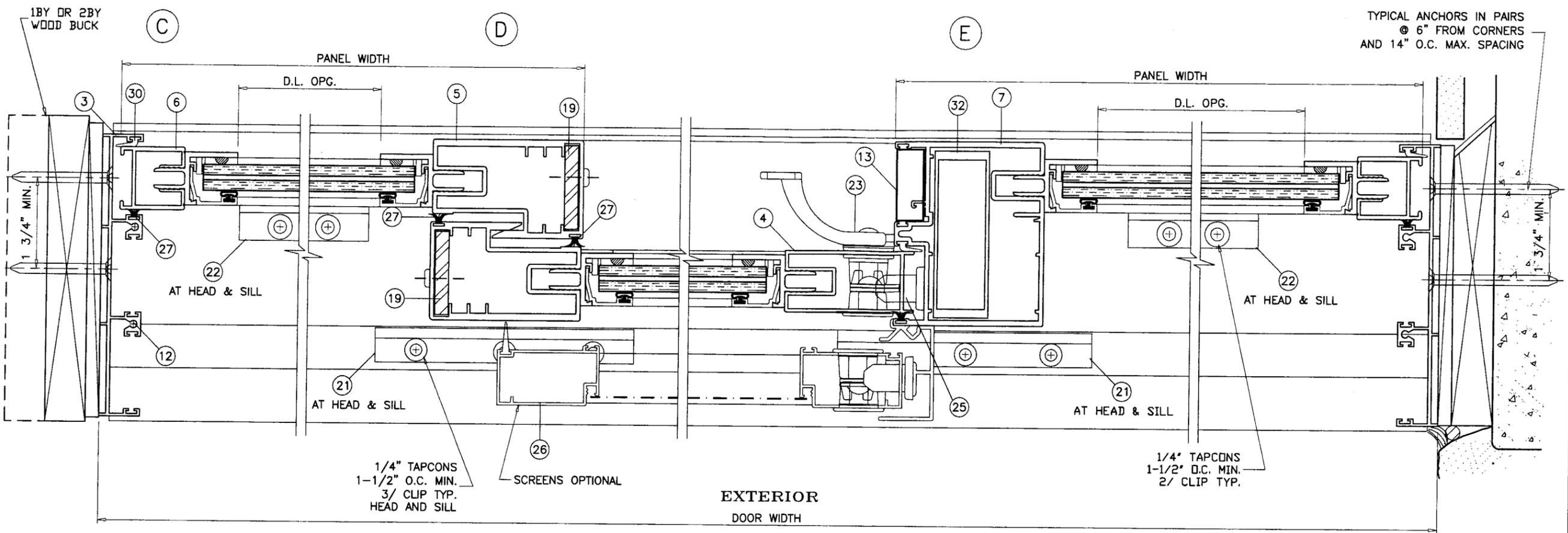
revisions:		date	description
no	by		
B		07.26.05	ANCHOR NOTE ADDED
C		05.22.06	REV. PER BCCO COMMENTS

date:	08-30-01
scale:	1/2" = 1"
dr. by:	HAMID
chk. by:	

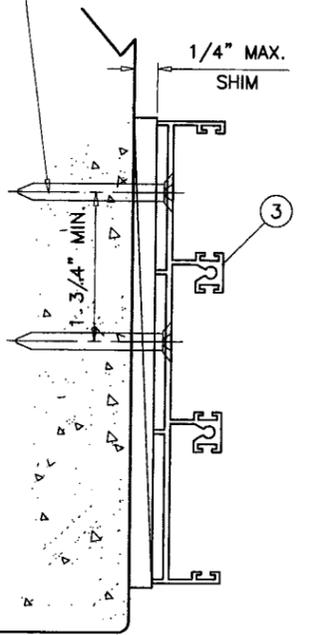
  

drawing no.	W01-59
sheet	2 of 5



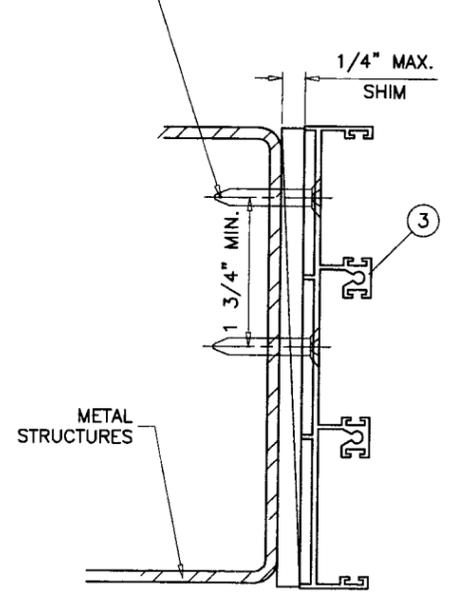
EXTERIOR  
DOOR WIDTH

TYPICAL ANCHORS IN PAIRS  
@ 6" FROM CORNERS  
AND 14" O.C. MAX. SPACING



ATTACHMENT TO CONCRETE  
OR CONC. BLOCK

TYPICAL ANCHORS IN PAIRS  
@ 6" FROM CORNERS  
AND 14" O.C. MAX. SPACING



ATTACHMENT TO METAL STRUCTURES  
STEEL OR ALUMINUM

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

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No 06-0926-06  
Expiration Date 01/24/12  
By [Signature]  
Miami Code Product Control  
Division

NOV 30 2006

**afc**  
**AL-FAROOQ CORPORATION**  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
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TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\W01-59TS

SERIES 140(248) ALUM. SLIDING GLASS DOOR  
**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 NOTE REV.
C	05.22.06	NO CHANGE THIS SHEET

date: 08-30-01  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W01-59**  
sheet 3 of 5

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	050-392	1	HEAD	6063-T6	-
2	050-111	1	TRACK	6063-T6	-
3	050-393	2	JAMB	6063-T6	-
4	051-354	AS REQD.	LOCK STILE	6063-T6	-
5	051-359	AS REQD.	INTERLOCK	6063-T6	-
6	050-357	2	JAMB STILE	6063-T6	-
7	051-358	AS REQD.	ASRAGAL STILE	6063-T6	-
8	050-483	1/ PANEL	TOP RAIL	6063-T6	-
9	051-421	1/ PANEL	BOTTOM RAIL	6063-T6	-
10	050-431	1	COVER HEAD/THRESHOLD	6063-T6	-
11	050-004	1	FILLER	6063-T5	-
12	-	2/CORNER	FRAME ASSEMBLY SCREW	ST. STEEL	#10 X 1" PPHH SMS
13	050-299	AS REQD.	FILLER TRIM	6063-T5	OPTIONAL
14	-	1/CORNER	PANEL ASSEMBLY SCREW	ST. STEEL	#10 X 1" PPHH SMS
15	046-010	AS REQD.	BULB VINYL (7/16" GLASS)	VINYL	WV-3134
16	046-103	-	SETTING BLOCK (.100 X .300)	SANTOPRENE	WV-5848
17	037-00-015	2/ MOV. PANEL	#39.13 TANDEM WHEEL ASSEMBLY	ST. STEEL	TRUTH, AT EACH END
18	-	-	-	-	-
19	008-004	-	1/4 X 1-1/2" REINFORCING BAR	STEEL (CRS)	FULL LENGTH
20	-	-	-	-	-
21	050-049	4	1" X 3/4" X 3/16" X 5" LONG ANGLE	6063-T6	-
22	-	6	1" X 3/4" X 1/8" X 3-1/2" LONG ANGLE	6063-T6	-
23	-	-	INTERIOR PULL W/ NIGHT LATCH	ZAMAK	1400 SERIES FLUSH MOUNTED LOCK SET
24	-	-	-	-	-
25	-	-	KEEPER	ZAMAK	-
26	-	OPTIONAL	SCREEN	-	-
27	047-014	-	WOOLPILE (FIN SEAL TYPE)	-	ULTRAFAB #3036
28	-	-	-	-	-
29	046-015	AS REQD.	FLAP W'STRIPPING (TOP RAIL)	SOFT VINYL	WV-2213
30	046-030	AS REQD.	FLAP W'STRIPPING (JAMB)	SOFT VINYL	WV-2205
31	-	-	-	-	-
32	SEG 012-130	-	ALUM REINFORCING	6063-T6	FULL LENGTH
33	050-749	4/PANEL	GLAZING BEAD (7/16" GLASS)	6063-T5	-
34	050-752	4/PANEL	ADAPTER (7/16" GLASS)	6063-T5	-

*afc*

**AL-FAROOQ CORPORATION**  
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COMP-ANL\W01-59TS

SERIES 140(248) ALUM. SLIDING GLASS DOOR

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 5100 N.W. 72 AVE.  
 MIAMI, FL. 33166  
 TEL. (305) 591-8990

no.	date	by	description
B	07.26.05		NO CHANGE THIS SHEET
C	05.22.06		NO CHANGE THIS SHEET

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

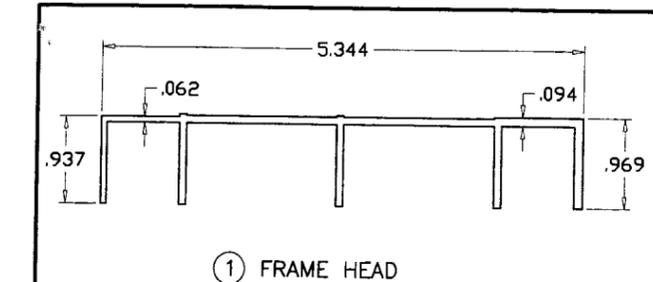
*Nov 30 2006*

**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No *06-092606*  
 Expiration Date *01/24/12*

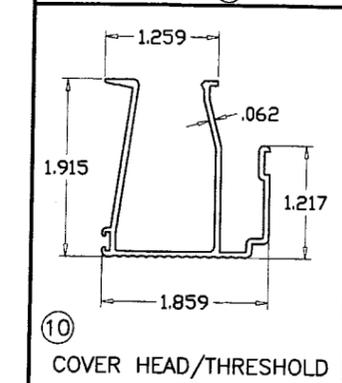
By *[Signature]*  
 Miami Dade Product Control  
 Division

date: 08-30-01  
 scale: 1/2" = 1"  
 dr. by: HAMID  
 chk. by:

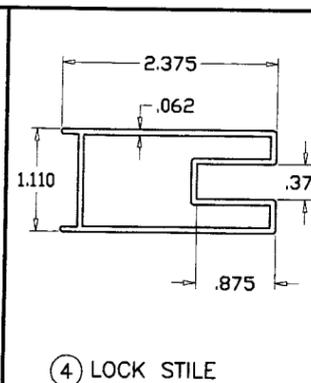
drawing no.  
**W01-59**  
 sheet 4 of 5



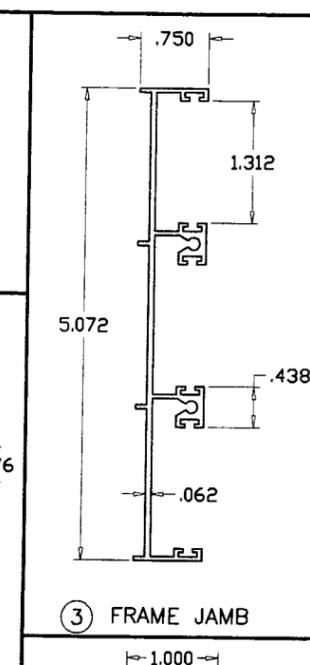
① FRAME HEAD



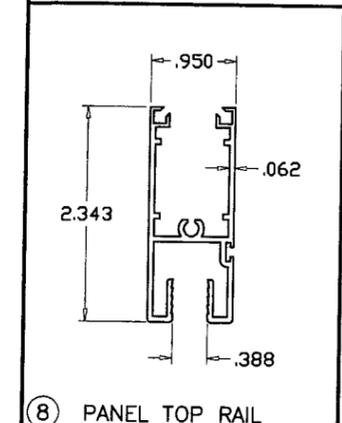
⑩ COVER HEAD/THRESHOLD



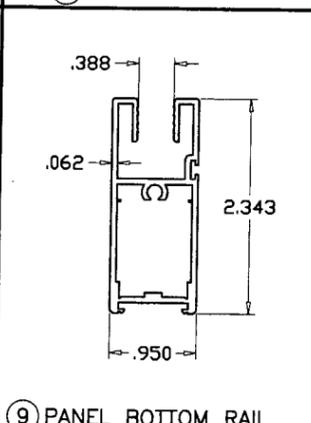
④ LOCK STILE



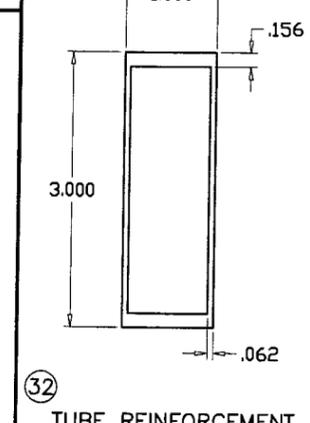
③ FRAME JAMB



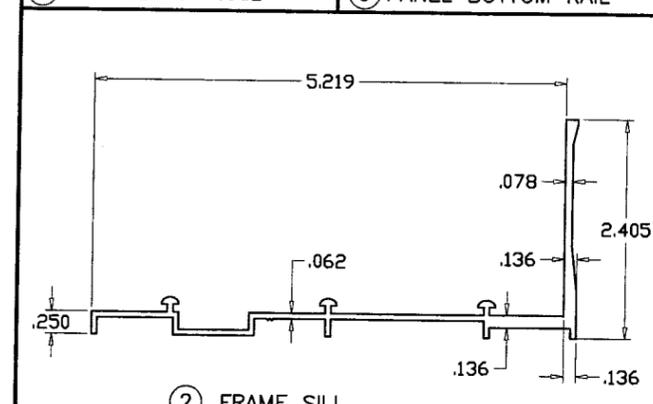
⑧ PANEL TOP RAIL



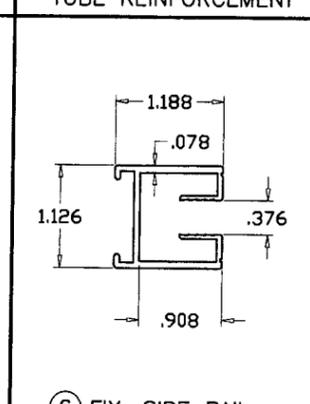
⑨ PANEL BOTTOM RAIL



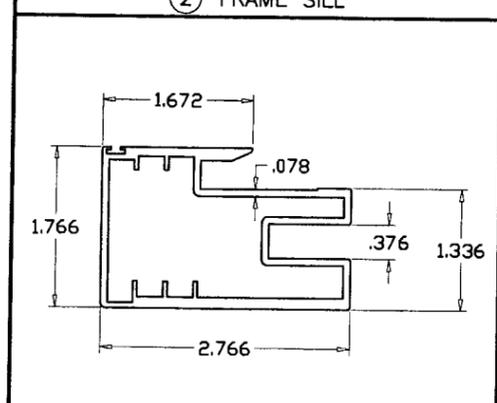
③② TUBE REINFORCEMENT



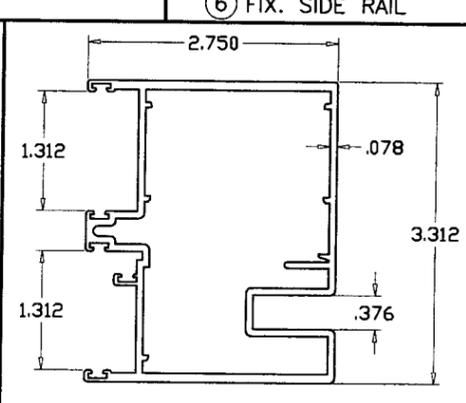
② FRAME SILL



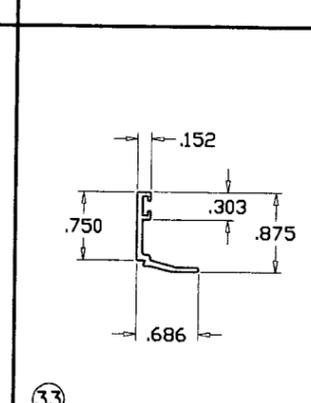
⑥ FIX. SIDE RAIL



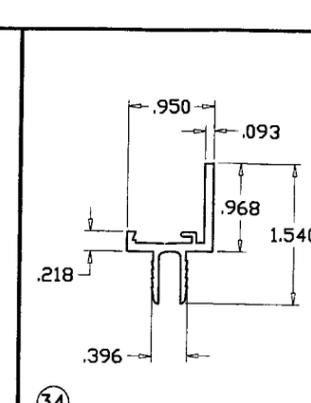
⑤ INTERLOCK



⑦ ASTRAGAL STILE



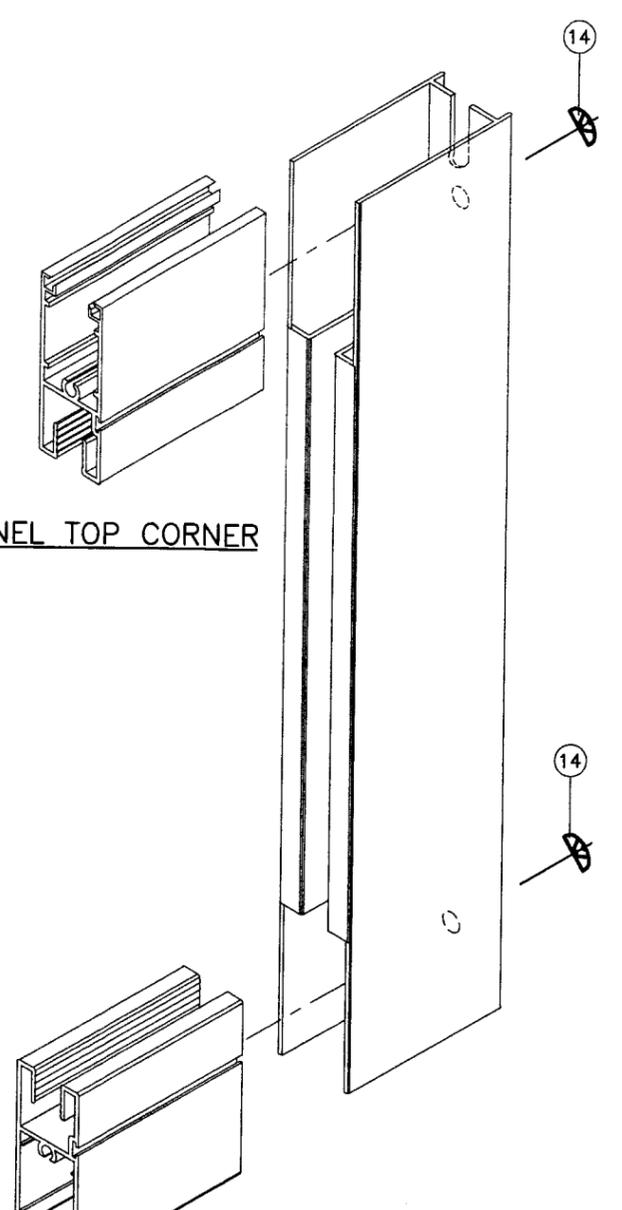
③③ GLASS STOP-7/16" GLASS



③④ ADAPTER-7/16" GLASS

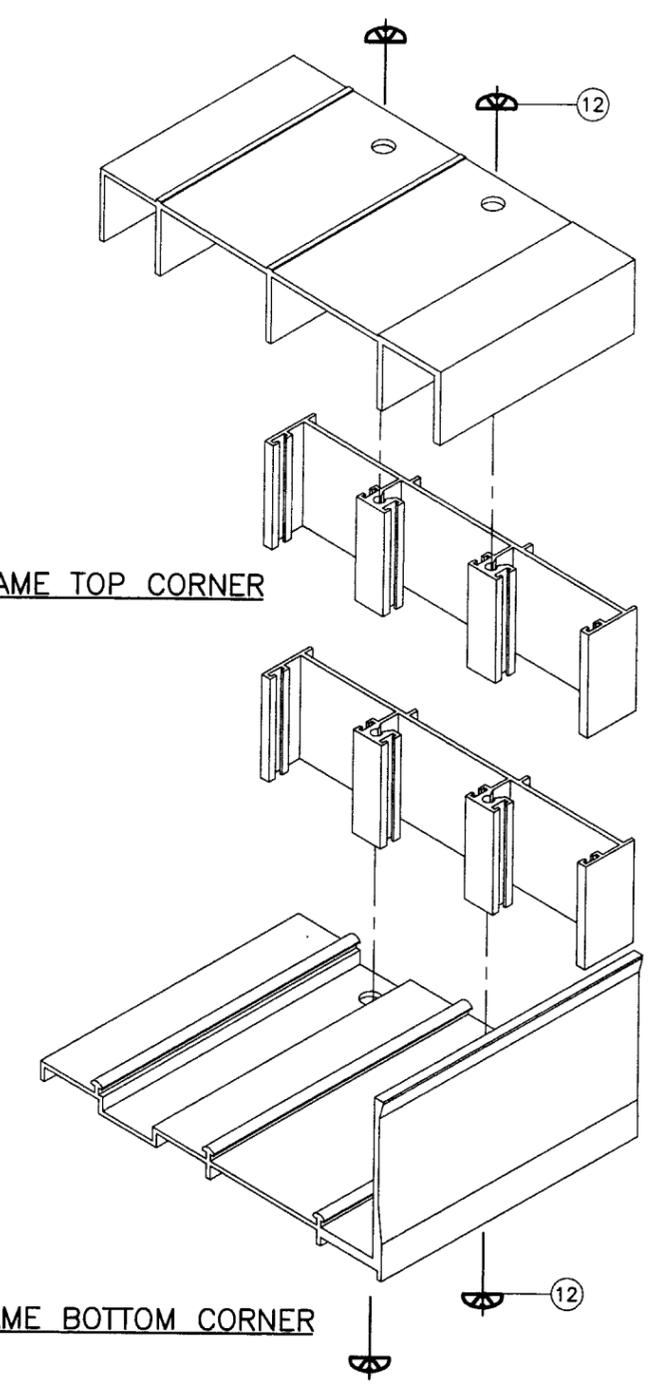
PANEL TOP CORNER

PANEL BOTTOM CORNER



FRAME TOP CORNER

FRAME BOTTOM CORNER



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

NOV 30 2005

**PRODUCT REVIEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 0926-06  
Expiration Date 01/24/12

By: *[Signature]*  
Miami Dade Product Control  
Division

**afC**

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COMP-ANL\W01-59TS

**TRACO SECURITY WINDOWS & DOORS INC.**  
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revisions:	no	date	description
	B	07.26.05	NO CHANGE THIS SHEET
	C	05.22.06	NO CHANGE THIS SHEET

date: 08-30-01  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W01-59**

sheet 5 of 5