



**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.  
71 Progress Avenue  
Cranberry Township, PA 16166**

**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 "3000" Aluminum Sliding Glass Door**

**APPROVAL DOCUMENT:** Drawing No. 04-113-0006, titled "Series 3000 Aluminum Sliding Glass Door", sheets 1 through 6 of 6, prepared by Frank L. Bennardo, P.E. Consulting Engineer, dated 06/03/03 with revision "A" on 08/11/04, signed and sealed by Frank L. Bennardo, 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: 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 revises NOA # 03-0606.01 and, consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Herminio F. Gonzalez, P.E., Director, BCCO**

*Jhy*  
8/25/04



**NOA No 04-0817.01  
Expiration Date: June 5, 2008  
Approval Date: September 16, 2004  
Page 1**

**Traco Security Windows & Doors, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **04-113-0006**, titled "Series 3000 Aluminum Sliding Glass Door", sheets 1 through 6 of 6, prepared by Frank L. Bennardo, P.E. Consulting Engineer, dated 06/03/03 with revision "A" on 08/11/04, signed and sealed by Frank L. Bennardo, 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) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94along with installation diagram and marked-up drawings of an aluminum sliding glass door prepared by Fenestration Testing Laboratory, Inc. No. **FTL-1303**, dated May 9, 1996, signed and sealed by Gilbert Diamond, P.E.  
**"Submitted under NOA # 03-0606.01"**
2. 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) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94along with installation diagram and marked-up drawings of an aluminum sliding glass door prepared by Farabaugh Engineering and Testing, Inc., No. **FET-04005**, dated June 23, 2004, signed and sealed by Daniel G. Farabaugh, P.E.

**B. CALCULATIONS**

1. Anchor Calculations, dated 6/4/03, prepared, signed and sealed by Frank L. Bennardo, P.E.  
**"Submitted under NOA# # 03-0606.01"**
2. Comparative analysis and anchor calculations, prepared by Al-Farooq Corp., dated 8/5/96, signed and sealed by Humayoun Farooq, P.E.  
**"Submitted under NOA# # 03-0606.01"**
3. Anchor Calculations, ASTM- E1300, and structural analysis, prepared by Frank L. Bennardo, P.E., Consulting Engineers, dated 08/03/04, signed and sealed by Frank L. Bennardo, P.E.

**D. QUALITY ASSURANCE**

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



**Herminio F. Gonzalez, P.E.**  
**Director, Building Code Compliance Office**  
**NOA No 04-0817.01**

**Expiration Date: June 5, 2008**

**Approval Date: September 16, 2004**

Traco Security Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**E. MATERIAL CERTIFICATIONS**

1. None

**F. STATEMENTS**

1. Statement letter of no financial interest, dated 6/3/03, signed by Frank L. Bennardo, P.E.  
*"Submitted under NOA# # 03-0606.01"*
2. Statement letter of conformance, dated 6/3/03, signed by Frank L. Bennardo, P.E.  
*"Submitted under NOA# # 03-0606.01"*
3. Statement letter of conformance and no financial interest, dated 08/13/04, signed and sealed Frank L. Bennardo, P.E.

**G. OTHER**

1. Notice of Acceptance No. **03-0606.01**, issued to Traco Security Windows & Doors, Inc., Series 3000 Aluminum Sliding Glass Door, approved on 08/14/03 and expiring on 06/05/08.
2. Letter from consultant stating that the product is in compliance with the Florida Building Code (FBC).



Herminio F. Gonzalez, P.E.  
Director, Building Code Compliance Office  
NOA No 04-0817.01

Expiration Date: June 5, 2008

Approval Date: September 16, 2004

# SERIES 3000 ALUMINUM SLIDING GLASS DOOR:

AUG 13 2004

FRANK L. BERNARDO, P.E.  
FE0046549

FRANK L. BERNARDO, P.E.  
CONSULTING ENGINEER  
4441 NORTH DIXIE HIGHWAY  
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Tel. (724) 776-7000

**TRACO**  
Windows & Doors Inc.  
SERIES 3000 ALUMINUM  
SLIDING GLASS DOOR

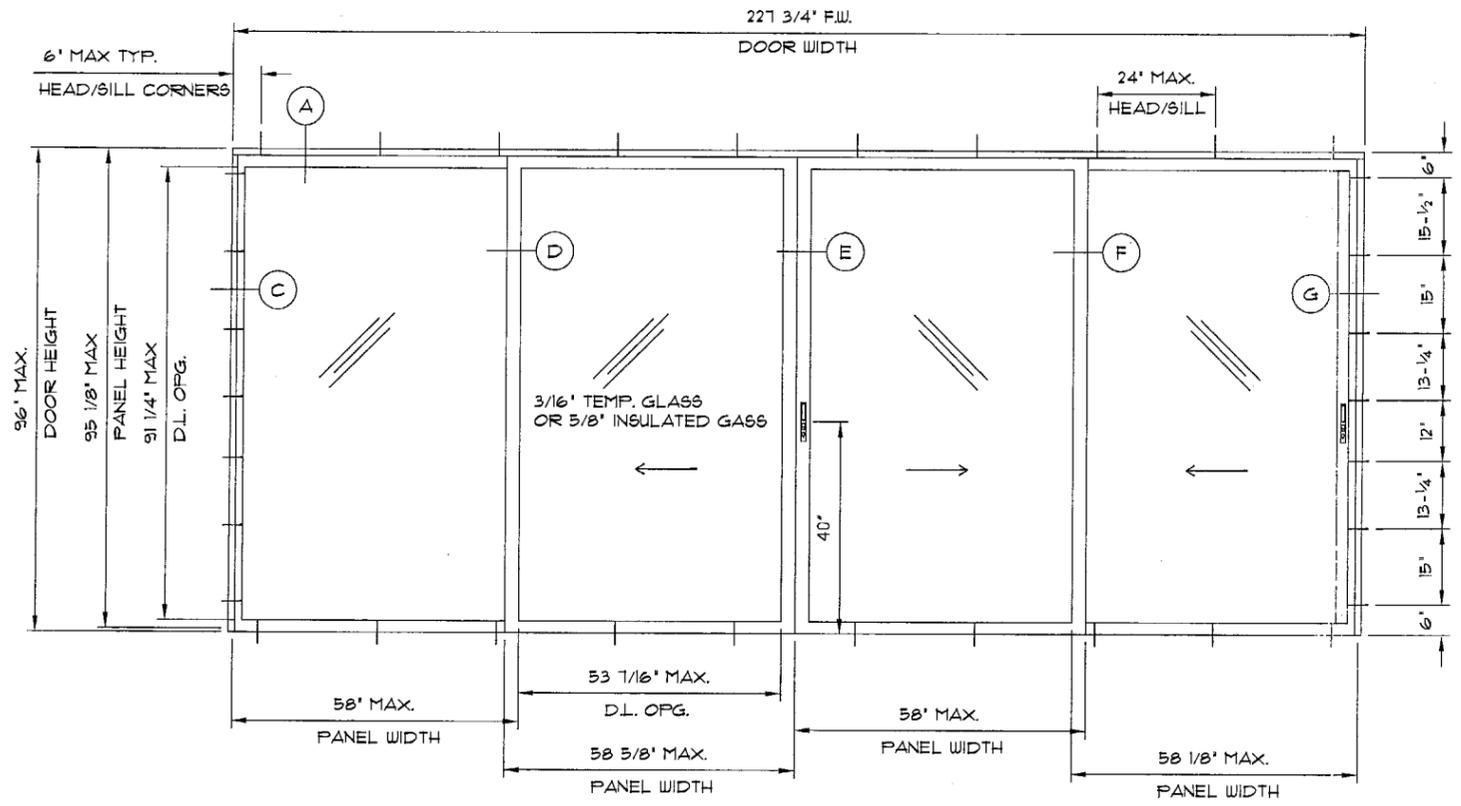


REVISIONS	
DESCRIPTION	DATE
INSUL GLASS	8/11/2004

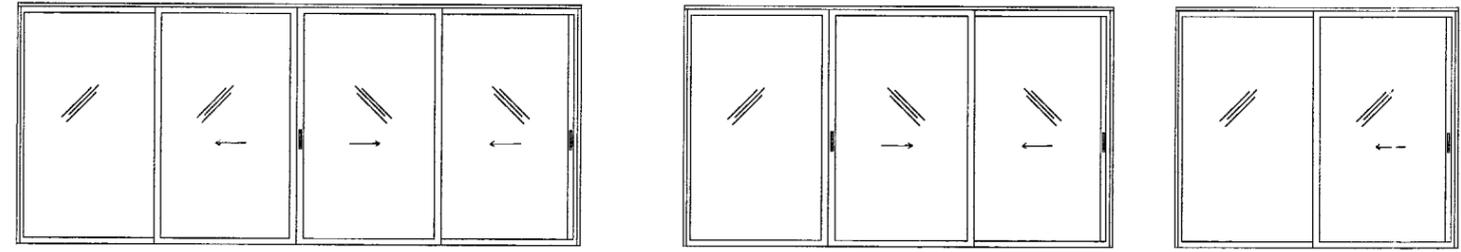
SCALE: NTS.  
DRAWN BY: CL  
CHECKED BY: HLB  
ORIG DATE: 6/3/2003  
DWG #: 04-113-0206

SHEET:  
1 OF 6

DESIGN LOAD CAPACITY (PSF)			
DOOR DIMS.		3/16" TEMP. GLASS	
PANEL WIDTH	DOOR HEIGHT	EXT. (+)	INT. (-)
2/6	5/0	60.0	123.4
3/0		60.0	110.2
3/6		60.0	101.7
4/0		60.0	96.4
4/6		60.0	93.5
5/0	60.0	92.6	
2/6	6/0	60.0	97.4
3/0		60.0	85.7
3/6		60.0	77.8
4/0		60.0	72.3
4/6		60.0	58.6
5/0	60.0	66.1	
2/6	6/6	60.0	85.4
3/0		60.0	74.6
3/6		60.0	67.2
4/0		60.0	62.0
4/6		58.2	58.2
5/0	55.5	55.5	
2/6	8/0	60.0	68.6
3/0		59.3	59.3
3/6		52.9	52.9
4/0		48.2	48.2
4/6		44.7	44.7
5/0	41.7	41.7	



TYPICAL ELEVATION  
TESTED UNIT



OXXX (SHOWN)  
OXXO

OXX (SHOWN)  
OXO  
XXX

OX (SHOWN)  
XO  
XX

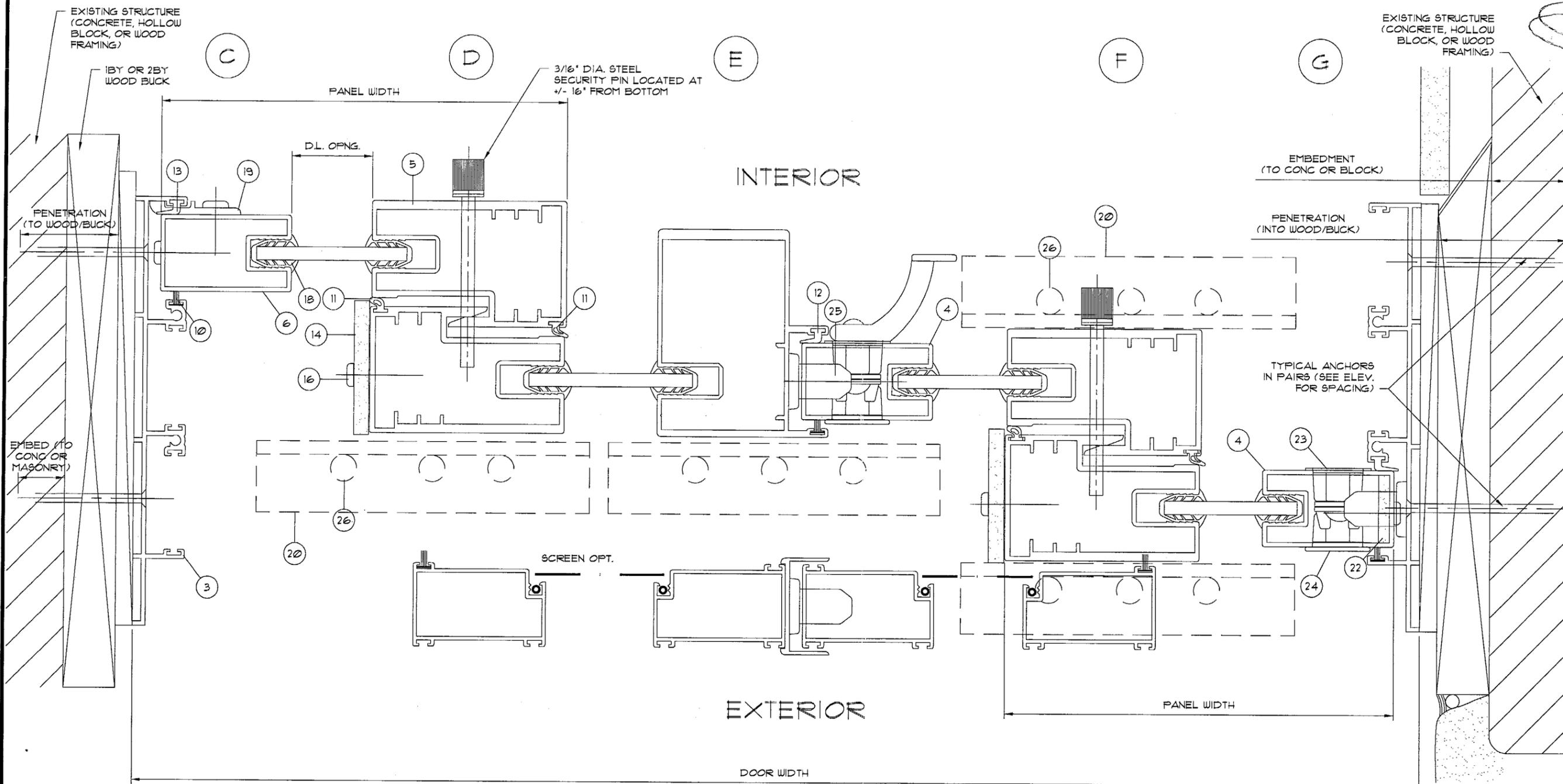
ALLOWABLE PANEL CONFIGURATIONS

## GENERAL NOTES:

1. THE ALUMINUM SLIDING GLASS DOOR SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN COMPLIANCE WITH THE FLORIDA BUILDING CODE 2001, HIGH VELOCITY HURRICANE ZONES, AND MIAMI-DADE COUNTY PROTOCOLS TAS 202.
2. A 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS DOOR SYSTEM.
3. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS DOOR SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE. WHEN ASCE 7-98 IS USED TO DETERMINE DESIGN PRESSURES, A DIRECTIONALITY FACTOR Kd=1 IS REQUIRED.
4. THE DOOR SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
5. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS. WOOD BUCKS INSTALLED BY OTHERS SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
6. DOORS PANELS GLAZED WITH 3/16" TEMPERED GLASS OR 5/8" INSULATED GLASS SHALL BE PROTECTED WITH MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS.
7. ALL STEEL IN CONTACT WITH ALUMINUM SHALL BE PAINTED OR PLATED.

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 04-0817.01  
Expiration Date 06/05/08  
By: *[Signature]*  
Miami Dade Product Control  
Division

AUG 13 2004



FRANK L. BENNARDI, P.E.  
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71 Progress Avenue,  
 Cranberry Township, PA 16166  
 Tel. (724) 776-7000

**TRACO**  
 Windows & Doors Inc.  
 SERIES 3000 ALUMINUM  
 SLIDING GLASS DOOR



**TYPICAL ANCHORS:** SEE TYPICAL ELEV. (SHEET 1) FOR SPACING  
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURE:  
 #10 SMS, 1-3/8" MIN. WOOD PENETRATION  
 THRU WOOD BUCKS INTO CONCRETE/MASONRY OR DIRECTLY INTO CONCRETE/MASONRY:  
 3/16" TAPCONS, 1-1/4" MIN CONCRETE/MASONRY EMBED  
 (TAPCONS BY 'ELCO' OR 'ITW', OR EQUIV. CONC. ANCHOR HOLDING CURRENT NOA)

**SEALANTS:**  
 ALL FRAME AND PANEL CORNERS AND INSTALLATIONS  
 SCREWS SEALS WITH WHITE/ALUMINUM COLORED 'SUPER SEAL' SEALANT.

REFERENCE ANCHOR NOTES ON SHEET 3 OF THESE DRAWINGS

**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No 04-0817-01  
 Expiration Date 06/03/08  
 By: *[Signature]*  
 Michael Deane Product Control Division

REVISIONS	
DESCRIPTION	DATE
INSUL GLASS	8/11/2004

SCALE: 8" = 1"  
 DRAWN BY: CL  
 CHECKED BY: FLB  
 ORIG DATE: 6/3/2003  
 DWG #: 04-113-0006

SHEET:  
 2 OF 6

AUG 13 2004

FRANK L. BENNARD, P.E.  
#20246548

FRANK L. BENNARD, P.E.  
CONSULTING ENGINEER

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**TRACO**  
Windows & Doors Inc.

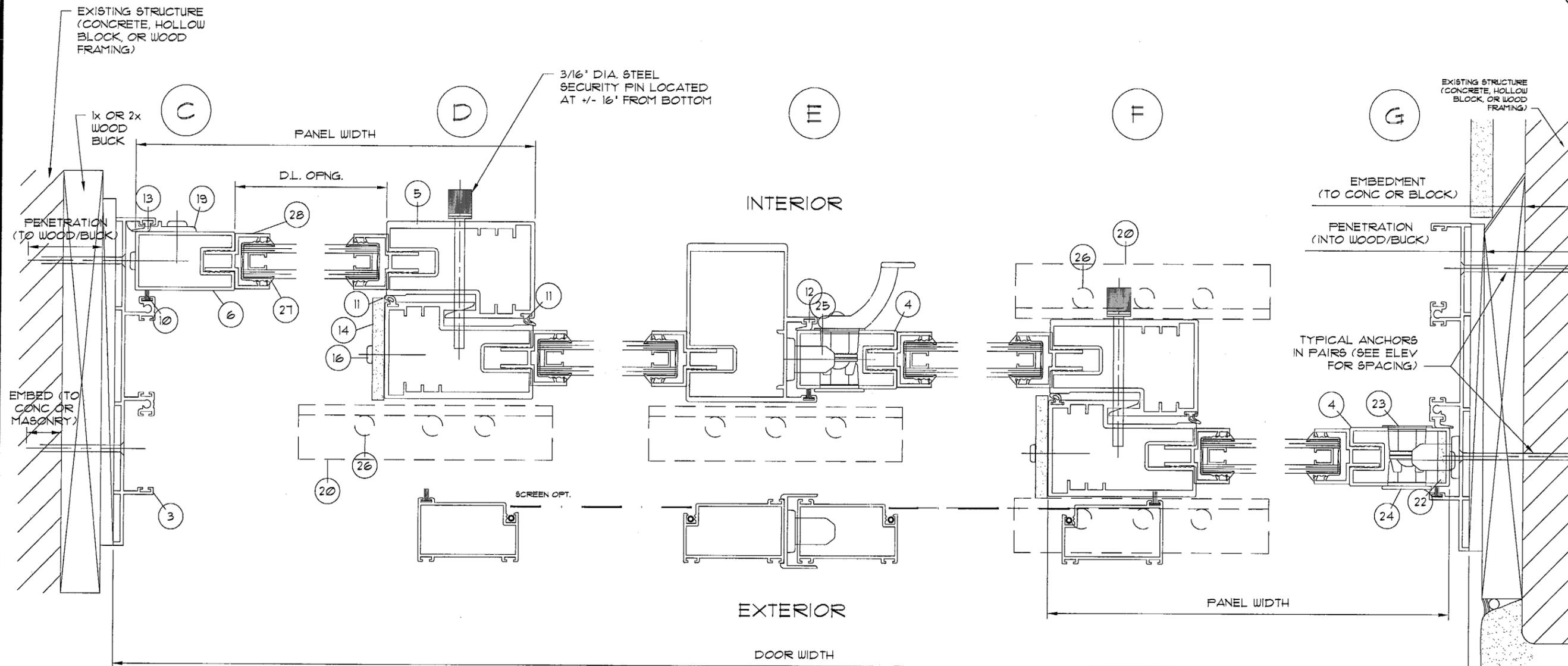
SERIES 3000 ALUMINUM  
SLIDING GLASS DOOR



REVISIONS	
DESCRIPTION	DATE
INSUL GLASS	8/11/2004

SCALE: 6" = 1'  
DRAWN BY: CL  
CHECKED BY: HLB  
DATE: 6/3/2003  
DWG #: 04-113-0006

SHEET:  
3 OF 6



TYPICAL ANCHORS: SEE TYPICAL ELEV. (SHEET 1) FOR SPACING

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE:  
#10 SMS, 1-3/8" MIN. WOOD PENETRATION

THRU WOOD BUCKS INTO CONCRETE/MASONRY OR DIRECTLY INTO CONCRETE/MASONRY:  
3/16" TAPCONS, 1-1/4" MIN CONCRETE/MASONRY EMBED  
(TAPCONS BY "ELCO" OR "ITW", OR EQUIV. CONC. ANCHOR HOLDING CURRENT NOA)

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SEAL' SEALANT.

REFERENCE ANCHOR NOTES ON  
SHEET 3 OF THESE DRAWINGS

**PRODUCT REVISED**  
to comply with the Florida  
Building Code  
Acceptance No 04-0817.01  
Expiration Date 04/05/08

By *[Signature]*  
Miami Dade Product Control  
Division

AUG 13 2004

FRANK L. BERNARDO, P.E.  
#0046545

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**TRACO**  
Windows & Doors Inc.  
SERIES 3000 ALUMINUM  
SLIDING GLASS DOOR

REVISIONS	
DESCRIPTION	DATE
INSUL GLASS	8/11/2004

SCALE: N.T.S.  
DRAWN BY: CL  
CHECKED BY: HLB  
ORIG DATE: 6/3/2003  
DWG #: 04-13-0006

SHEET:  
4 OF 6

MATERIALS LIST					
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF/SUPPLIER/COMMENTS
1	050-00-109	1	FRAME HEAD	6063-T5	
2	050-00-420	1	SILL TRACK	6063-T6	MILL FINISH
3	050-00-437	2	FRAME JAMB	6063-T6	
4	051-00-384	AS REQD.	LOCK STILE	6063-T6	
5	051-00-504	4	INTERLOCK	6063-T5	
6	051-00-384	AS REQD.	JAMB STILE	6063-T6	
7	051-00-442	1	MEETING STILE	6063-T6	
8	051-00-383	2/ PANEL	TOP & BOTTOM RAIL	6063-T6	
9	-	1	SILL RISER	6063-T6	
10	047-00-014	-	WOOLPILE	-	
11	046-00-027	AS REQD.	BULB W/STRIPPING	VINYL	
12	046-00-015	AS REQD.	FLAP W/STRIPPING (TOP RAIL)	VINYL	
13	046-00-030	AS REQD.	FLAP W/STRIPPING (JAMB)	VINYL	
14	050-00-000	AS REQD.	CLOSED CELL FOAM PAD 1-5/8" X 1-3/4"	-	AT TOP AND BOTTOM OF INTERLOCK
15	-	2/ CORNER	FRAME ASSEMBLY SCREW	-	#8 X 1" FHPH SMS
16	012-00-130	1/ CORNER	PANEL ASSEMBLY SCREW	-	#10 X 1" FHPH SMS
17	037-00-015	2/ PANEL	WHEEL ASSEMBLY	-	'REFLOCTOUTE' 1935 SERIES
18	046-00-052	AS REQD.	3/16" GLAZING CHANNEL	VINYL	
19	-	3/ PANEL	FIXED PANEL CLIP	ALUMINUM	W/ #6 X 1/2" TEKS SCREWS
20	-	-	1 X 3/4 X 3/16 X 5 LG. ANGLE	-	
21	-	1/ PANEL	3/4 X 3/4 X 1/8" SQ. TUBE	ALUMINUM	
22	-	AS REQD.	CLOSED CELL FOAM PAD 1-1/8" X 2"	-	AT TOP AND BOTTOM OF JAMB
23	007-00-005	-	L/H INTERIOR PULL W/ NIGHT LATCH	-	
24	007-00-006	-	R/H EXTERIOR PULL W/ LOCK KNOCKOUT	-	
25	007-00-033	-	KEEPER	-	
26	012-00-130	-	HURRICANE ANGLE ANCHOR SCREW	-	#10 X 2" SMS OR 3/16" TAPCONS
27	046-16-021	AS REQD.	GLAZING CHANNEL	VINYL	
28	050-215	AS REQD.	GLAZING ADAPTER	6063-T5	

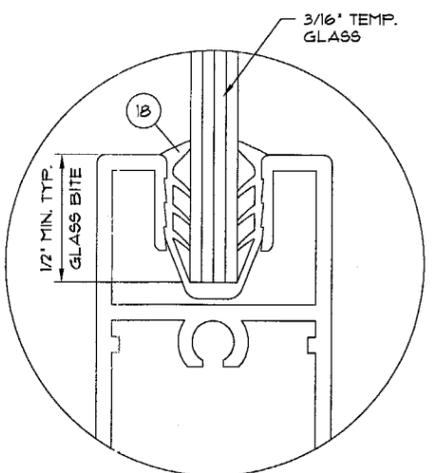
TYPICAL ANCHORS: SEE TYPICAL ELEV. (SHEET 1) FOR SPACING

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE:  
#10 SMS, 1-3/8" MIN. WOOD PENETRATION

THRU WOOD BUCKS INTO CONCRETE/MASONRY OR DIRECTLY INTO CONCRETE/MASONRY:  
3/16" TAPCONS, 1-1/4" MIN CONCRETE/MASONRY EMBED (TAPCONS BY 'ELCO' OR 'ITW', OR EQUIV. CONC. ANCHOR HOLDING CURRENT NOA)

**SEALANTS:**

ALL FRAME AND PANEL CORNERS AND INSTALLATIONS SCREWS SEALS WITH WHITE/ALUMINUM COLORED 'SUPER SEAL' SEALANT.



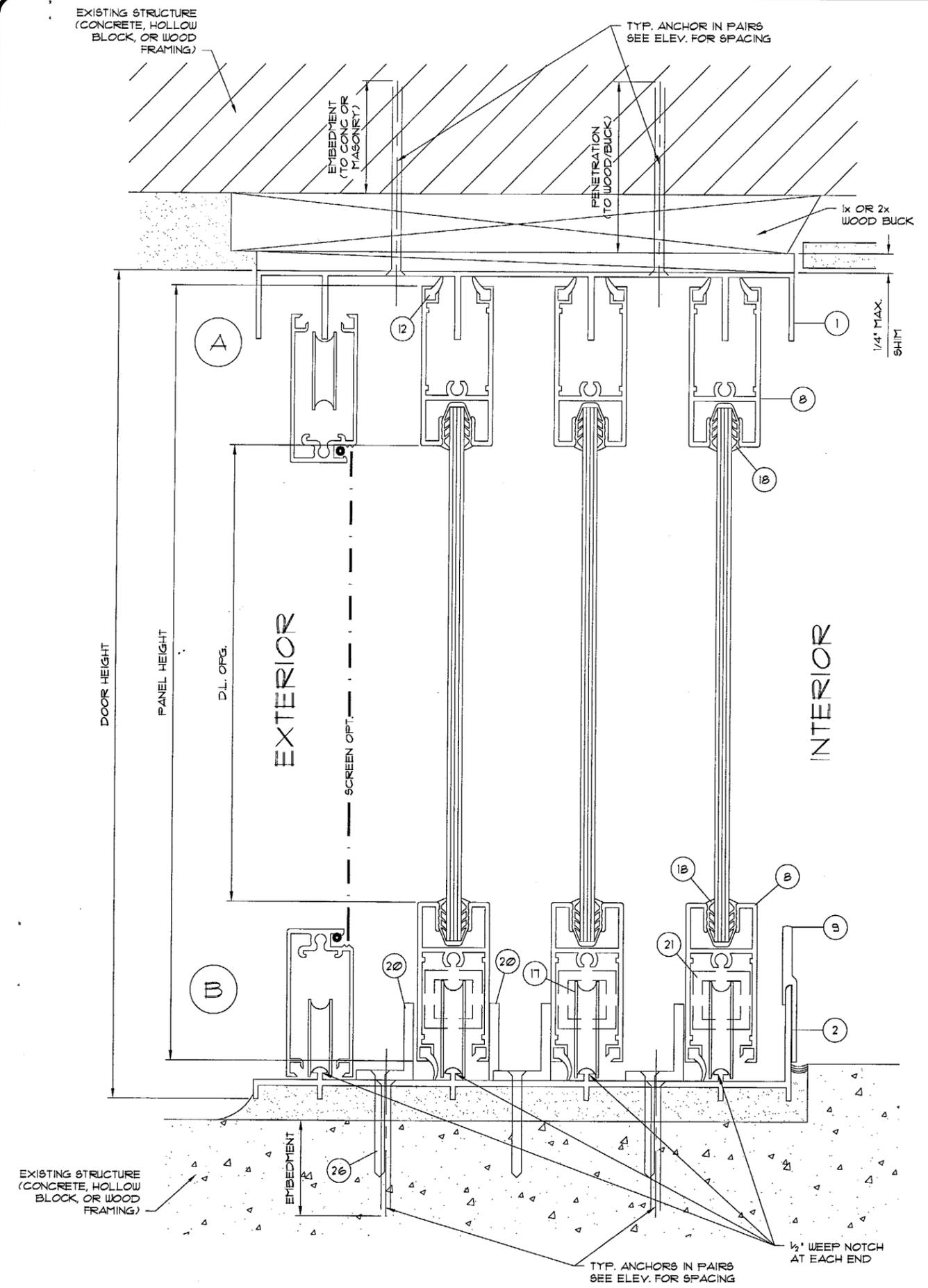
3/16" MONOLITHIC GLAZING DETAIL  
N.T.S.

**ANCHOR NOTES:**

1. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2. ANCHOR EMBEDMENT SHALL BE IN BASE MATERIAL EXCLUDING STUCCO OR WALL FINISH.
3. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN IN TYPICAL ELEVATION ON SHEET 1.
4. WOOD BUCKS (BY OTHERS) MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE, AND TO SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM.

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 04-0817.01  
Expiration Date 06/05/08

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



EXISTING STRUCTURE  
(CONCRETE, HOLLOW  
BLOCK, OR WOOD  
FRAMING)

TYP. ANCHORS IN PAIRS  
SEE ELEV. FOR SPACING

1/2" WEEP NOTCH  
AT EACH END

AUG 13 2004

FRANK L. BERNARDO, P.E.  
FE0046340

FRANK L. BERNARDO, P.E.  
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Windows & Doors Inc.

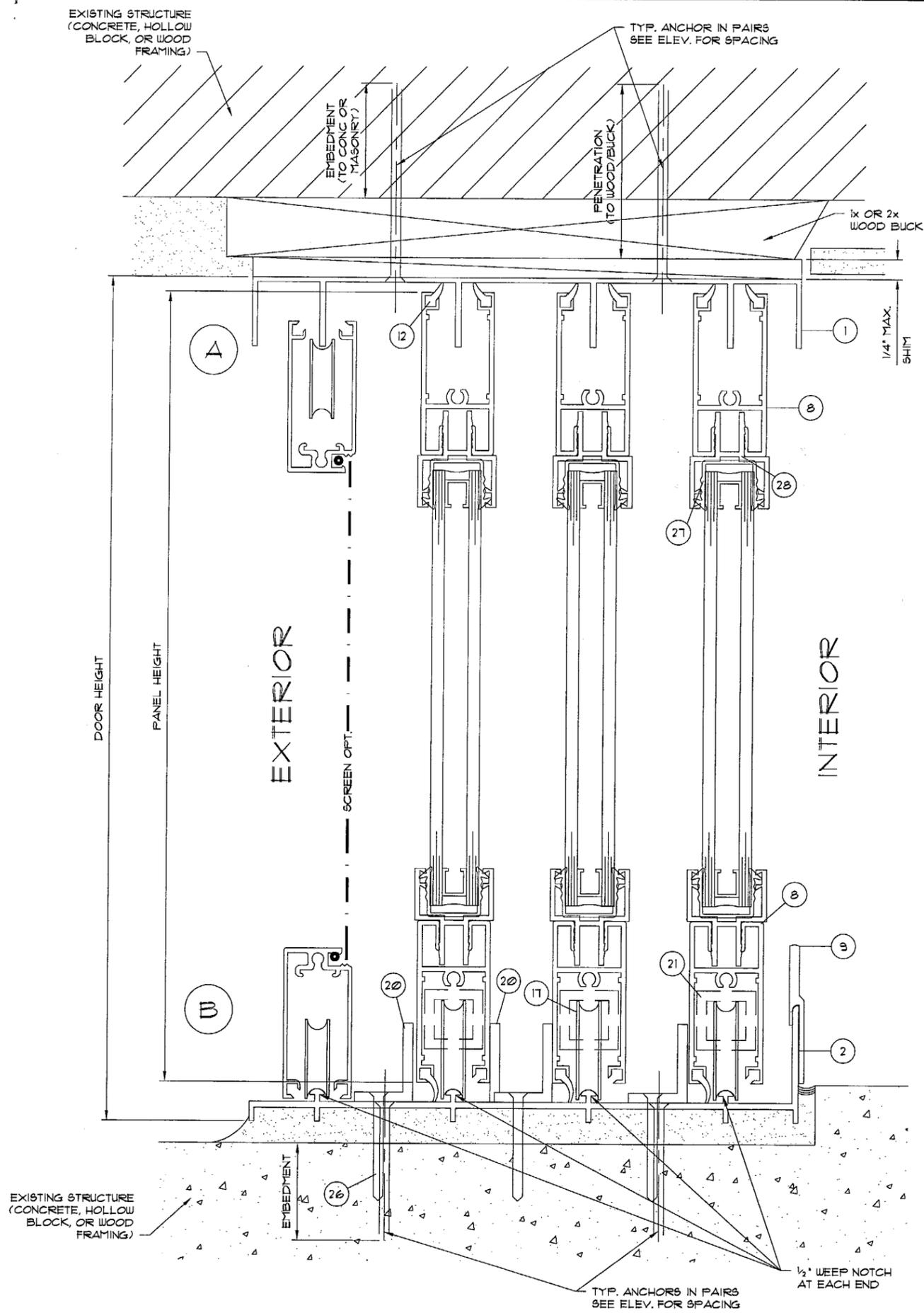
SERIES 3000 ALUMINUM  
SLIDING GLASS DOOR



REVISIONS	
DESCRIPTION	DATE
INSUL GLASS	8/11/2004

SCALE: N.T.S.  
DRAWN BY: CL  
CHECKED BY: FLB  
ORIG. DATE: 6/3/2003  
DWG. # 04-13-0006

SHEET:  
5 OF 6



**TYPICAL ANCHORS:** SEE TYPICAL ELEV. (SHEET 1) FOR SPACING

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE:  
#10 SMS, 1-3/8" MIN. WOOD PENETRATION

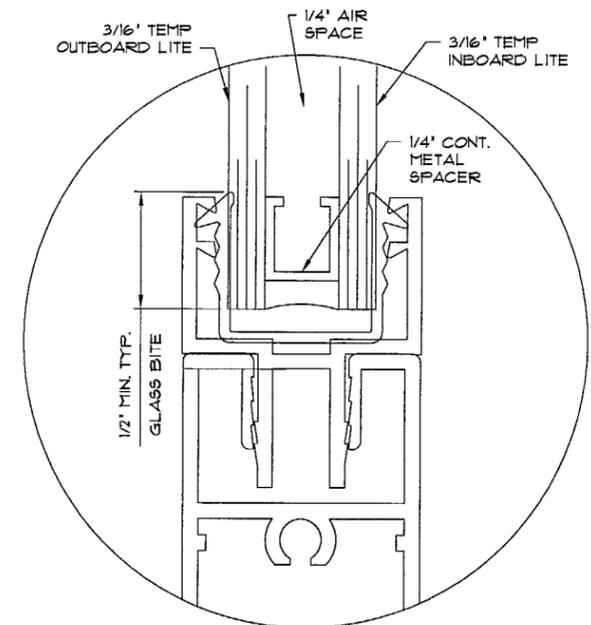
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**SEALANTS:**

ALL FRAME AND PANEL CORNERS AND INSTALLATIONS SCREWS SEALS WITH WHITE/ALUMINUM COLORED 'SUPER SEAL' SEALANT.

**ANCHOR NOTES:**

1. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
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3. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN IN TYPICAL ELEVATION ON SHEET 1.
4. WOOD BUCKS (BY OTHERS) MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE, AND TO SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM.



**5/8" INSULATED GLAZING DETAIL**  
N.T.S.

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No. 04-0817-01  
Expiration Date 06/03/08

By *[Signature]*  
Miami/Doors Product Control  
Director

AUG 13 2004

FRANK L. BERNARDO, P.E.  
FE0246543

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Windows & Doors Inc.

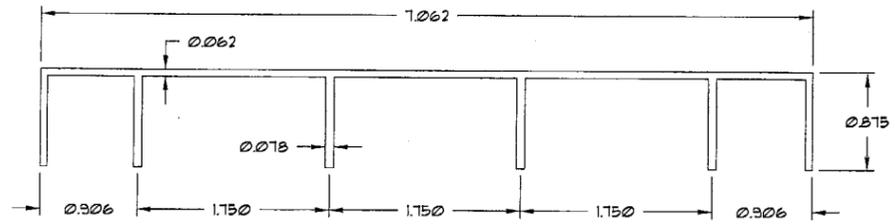
SERIES 3000 ALUMINUM  
SLIDING GLASS DOOR



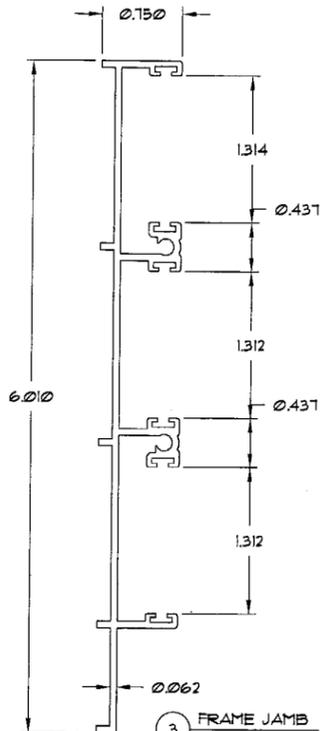
REVISIONS	
DESCRIPTION	DATE
INSUL GLASS	8/11/2004

SCALE: NTS  
DRAWN BY: CL  
CHECKED BY: FLB  
ORIG DATE: 6/3/2003  
DWG #: 04-13-0006

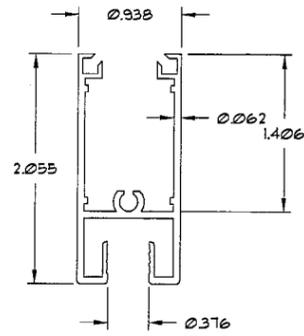
SHEET:  
6 OF 6



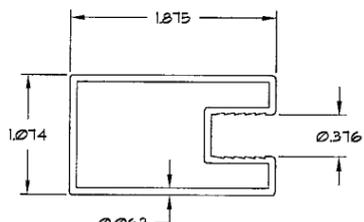
1 FRAME HEAD



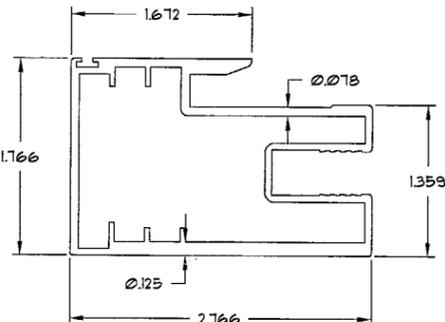
3 FRAME JAMB



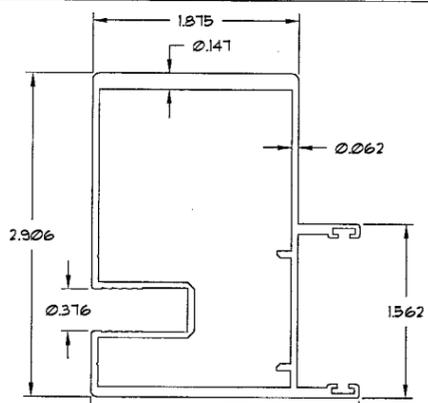
8 TOP/BOTTOM RAIL



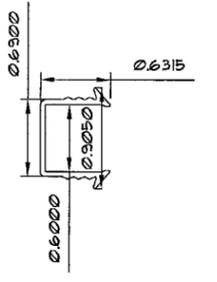
6 JAMB STILE



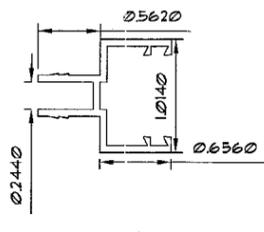
5 INTERLOCK



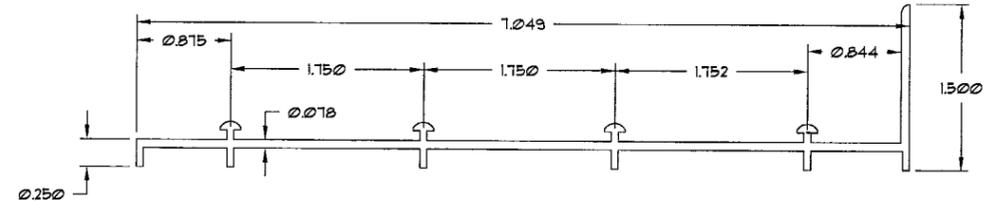
7 MEETING STILE



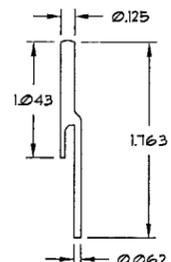
27 GLAZING CHANNEL



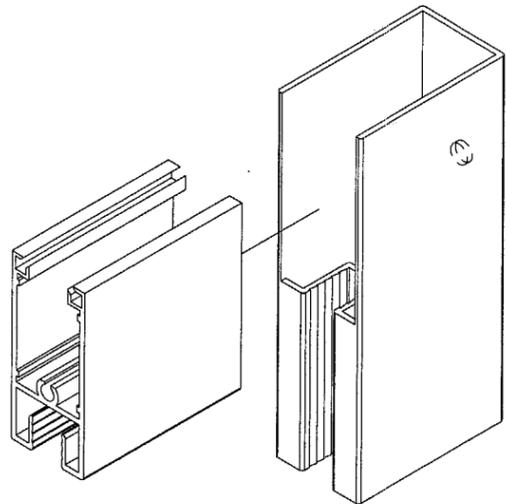
28 GLAZING ADAPTER



2 SILL TRACK

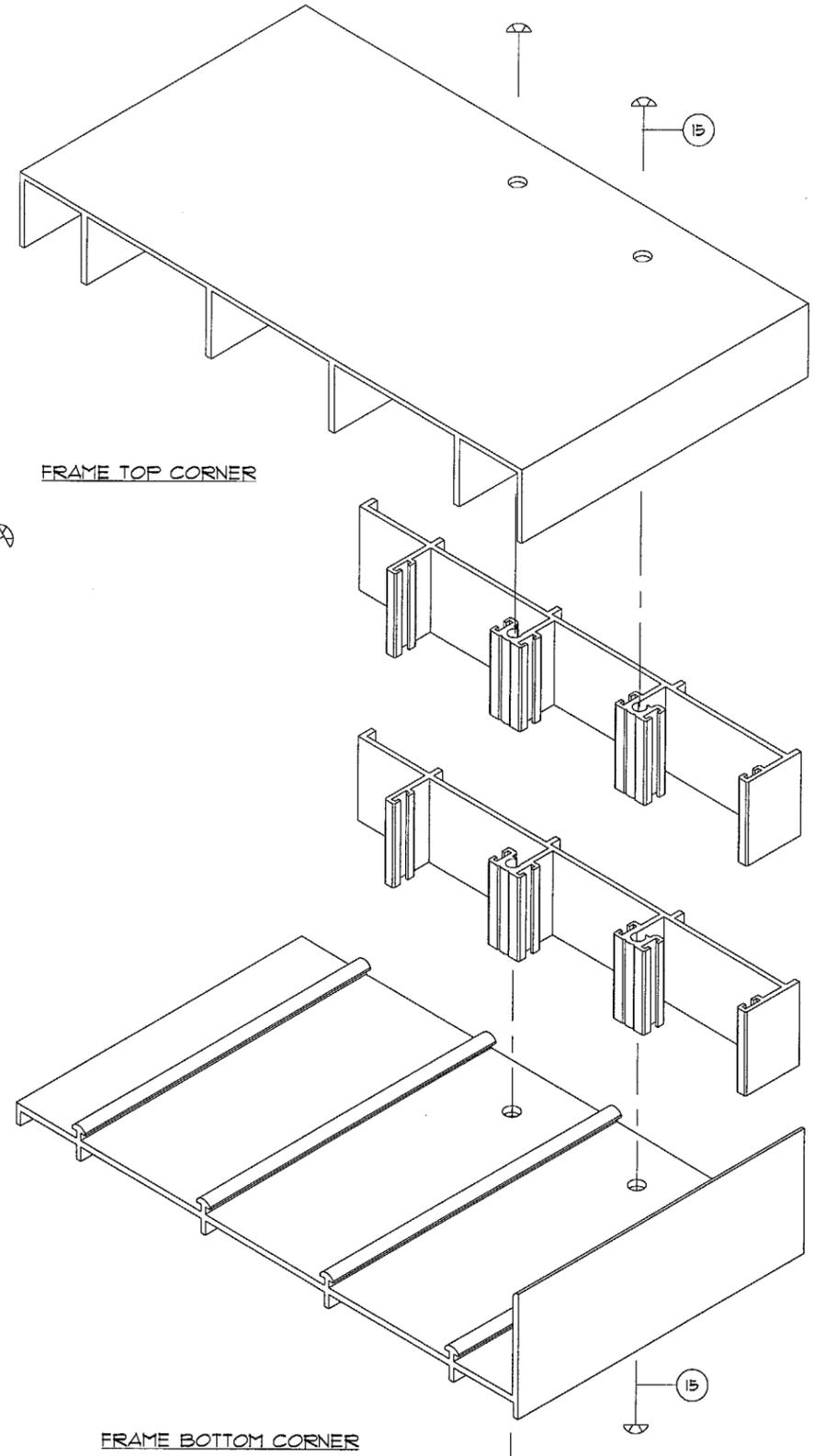


9 SILL RISER



16 FRAME TOP CORNER

17 PANEL TOP/BOTTOM CORNER



15 FRAME BOTTOM CORNER

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No 04-0817-01  
Expiration Date 06/05/08  
By: *[Signature]*  
Milco Trade Product Control  
Division