



**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
5100 NW 72nd Ave.
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 "140 (442)" Aluminum Horizontal Sliding Window

APPROVAL DOCUMENT: Drawing No. **03-0811-113**, titled "Series 140(442) Aluminum Horizontal Sliding Window", sheets 1 through 5 of 5, prepared by manufacturer, dated 8/4/03 with revision date on 10/2/03, 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 approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Small Missile Impact

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 # 02-0124.03**, and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Theodore Berman, P.E.**

TJB
11/3/2003

**NOA No 03-0812.02
Expiration Date: October 17, 2007
Approval Date: November 27, 2003
Page 1**

Traco Security Windows & Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **03-0811-113**, titled "Series 140(442) Aluminum Horizontal Sliding Window", sheets 1 through 5 of 5, prepared by manufacturer, dated 8/4/03 with revision date on 10/2/03, signed and sealed by Frank L. Bennardo, P.E.

B. TESTS

1. Test reports on
 - 1) Air Infiltration Test, per FBC, PA 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 3603.2 (b) and TAS 202-94along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL 01140, dated 11/7/01, signed and sealed by Luis Figueredo, P.E. **"Submitted under NOA # 02-0124.03"**
2. Test reports on
 - 1) Uniform Static Air Pressure Test, Loading per SFBC PA 202-94
 - 2) Small Missile Impact Test per SFBC, PA 201-94
 - 3) Cyclic Wind Pressure Loading per SFBC, PA 203-94along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL 01140, dated 11/7/01, signed and sealed by Luis Figueredo, P.E. **"Submitted under NOA # 02-0124.03"**

C. CALCULATIONS

1. Anchor Calculations and structural analysis, prepared by Kelvyn A. Whitfield, P.E., dated 6/26/02, signed and sealed by Kelvyn A. Whitfield, P.E. **"Submitted under NOA # 02-0124.03"**
2. Anchor Calculations and structural analysis, prepared by Frank L. Bennardo, P.E., dated 08/08/03, signed and sealed by Frank L. Bennardo, P.E.
3. Complies with ASTM-E1300-98

D. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **01-0205.02** issued to Solutia, Inc. for "Saflex/Keepsafe" dated 5/17/01, expiring on 5/21/06. **"Submitted under NOA # 02-0124.03"**



Theodore Berman, P.E.
Deputy Director, Product Control Division
NOA No 03-0812.02
Expiration Date: October 17, 2007
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E. QUALITY ASSURANCE

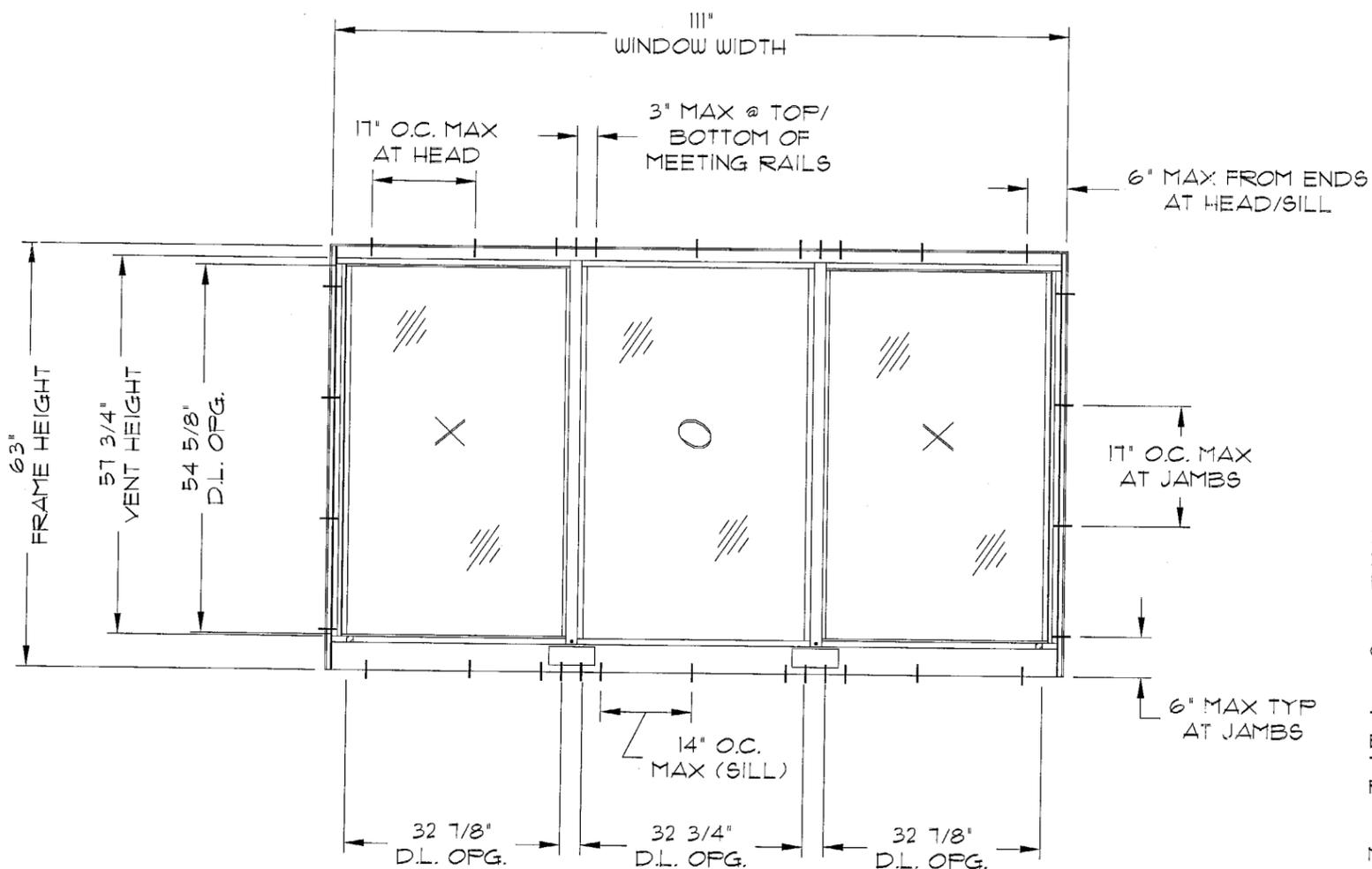
1. Miami-Dade County Building Code Compliance Office.

F. STATEMENTS

1. Statement letter of conformance, dated 4/8/02, signed and sealed by Kelvyn A. Whitfield, P.E.
2. Statement letter of no financial interest, dated 1/14/01, signed and sealed by Ramon Gullen, P.E.
3. Laboratory compliance letter for Test Report no. FTL 01140 issued by Fenestration Testing Laboratory, Inc., dated 12/10/02, signed and sealed by Luis Figueredo, P.E.



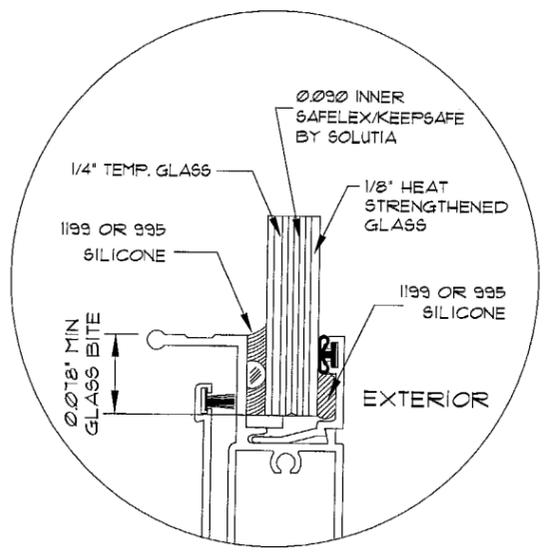
Theodore Berman, P.E.
Deputy Director, Product Control Division
NOA No 03-0812.02
Expiration Date: October 17, 2007
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DESIGN PRESSURE RATING WITH 7/16" LAMINATED GLASS:	
1/8" H.S. - 0.030" INTERLAYER (SAFLEX/KEEPSAFE) - 1/4" TEMP. GLASS	
POSITIVE	100.0 PSF
NEGATIVE	100.0 PSF

GENERAL NOTES:

1. THE HORIZONTAL SLIDING WINDOW 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 201, 202 & 203.
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 $K_d=1$ IS REQUIRED.
4. THE WINDOW SYSTEM DETAILED HEREIN HAS BEEN TESTED PER MIAMI-DADE COUNTY PROTOCOLS TAS-201, TAS-202, & TAS-203 AS REFERENCED IN TEST REPORTS BY FENESTRATION TESTING LABORATORIES (FTL). MULTIPLE WINDOW UNITS MUST BE INSTALLED USING MIAMI-DADE COUNTY BCCO-APPROVED STRUCTURAL MULLIONS (e.g. NOA #01-1218.01 OR #01-1218.02).
5. THE WINDOW 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.
6. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS. WOOD BUCKS (NOT BY TRACO) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
7. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO
8. WINDOW PANELS GLAZED WITH 7/16" LAMINATED GLASS ARE SMALL MISSILE IMPACT RESISTANT AND SHALL BE PROTECTED WITH MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS FOR INSTALLATIONS UP TO 30 FEET ABOVE GRADE. NO PROTECTION REQUIRED FOR INSTALLATIONS ABOVE 30 FEET ABOVE GRADE.
9. ALL STEEL IN CONTACT WITH ALUMINUM SHALL BE PAINTED OR PLATED.



GLAZING NOTES:

SEALANTS:
ALL INSTALLATION SCREWS, FRAME & PANEL CORNER SEAMS SEALED WITH ALUM- OR CLEAR-COLORED SEALANT (ALL GLAZING OPTIONS).

GLAZING DETAIL
7/16" GLASS - SMALL MISSILE
(FTL 3218)

OCT 02 2003

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PE0046943

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Tel. (724) 776-7000

TRACO
Windows & Doors Inc.

SERIES 140 (442) ALUMINUM
HORIZONTAL SLIDING WINDOW



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 03-0812.02
Expiration Date 10/17/07
By *Alvin Berman*
Miami Dade Product Control
Division

REVISIONS	
DESCRIPTION	DATE
TAPCON LENGTH	10/12/003

SCALE: N.T.S.
DRAWN BY: CL
CHECKED BY: FLB
ORIG. DATE: 3/4/2003
DWG #: 03-0811-113

OCT 02 2003
 FRANK L. BENNARDO, P.E.
 REG. 46548

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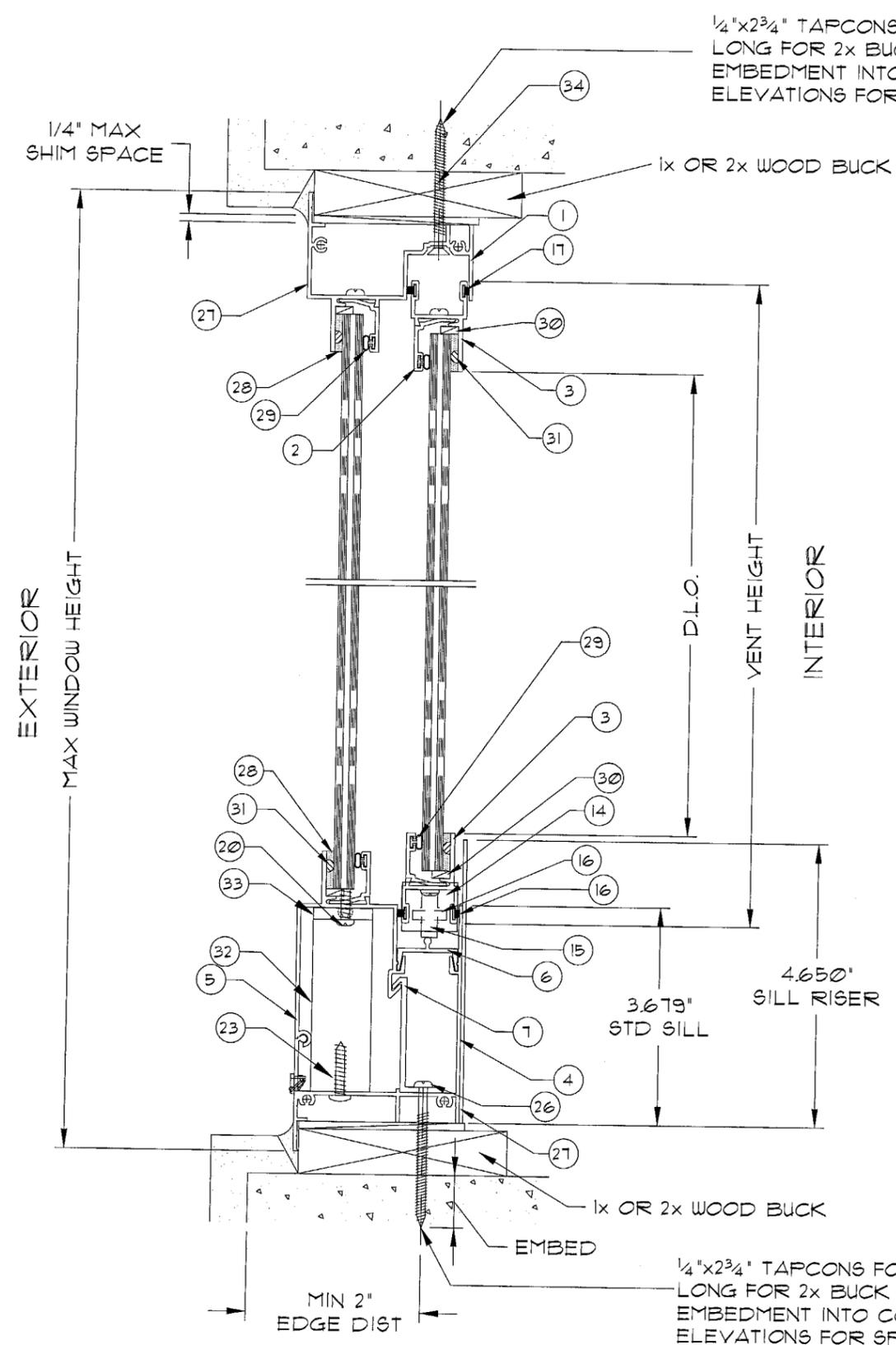
TRACO
 Windows & Doors Inc.

SERIES 140 (442) ALUMINUM
 HORIZONTAL SLIDING WINDOW

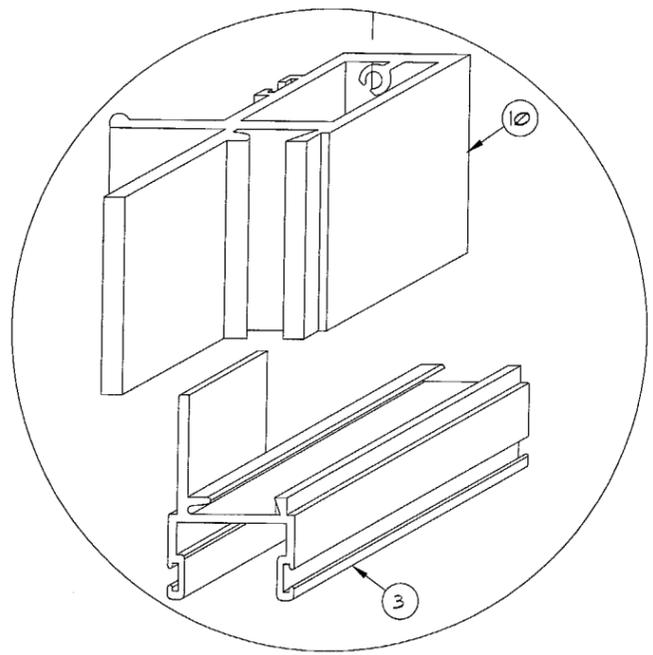
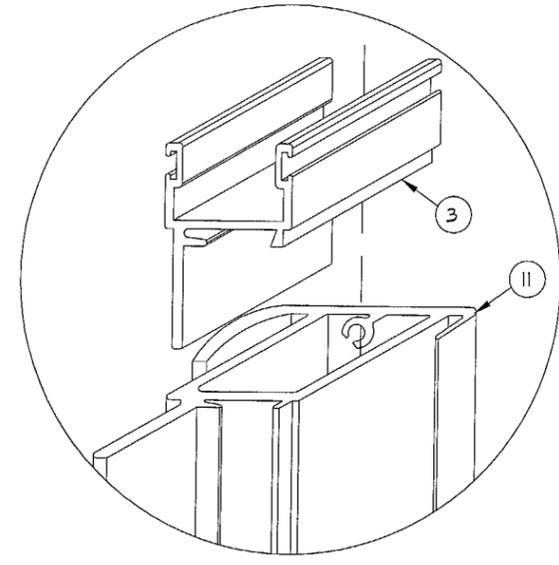


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DESCRIPTION	DATE
TAPCON LENGTH	10/2/2003

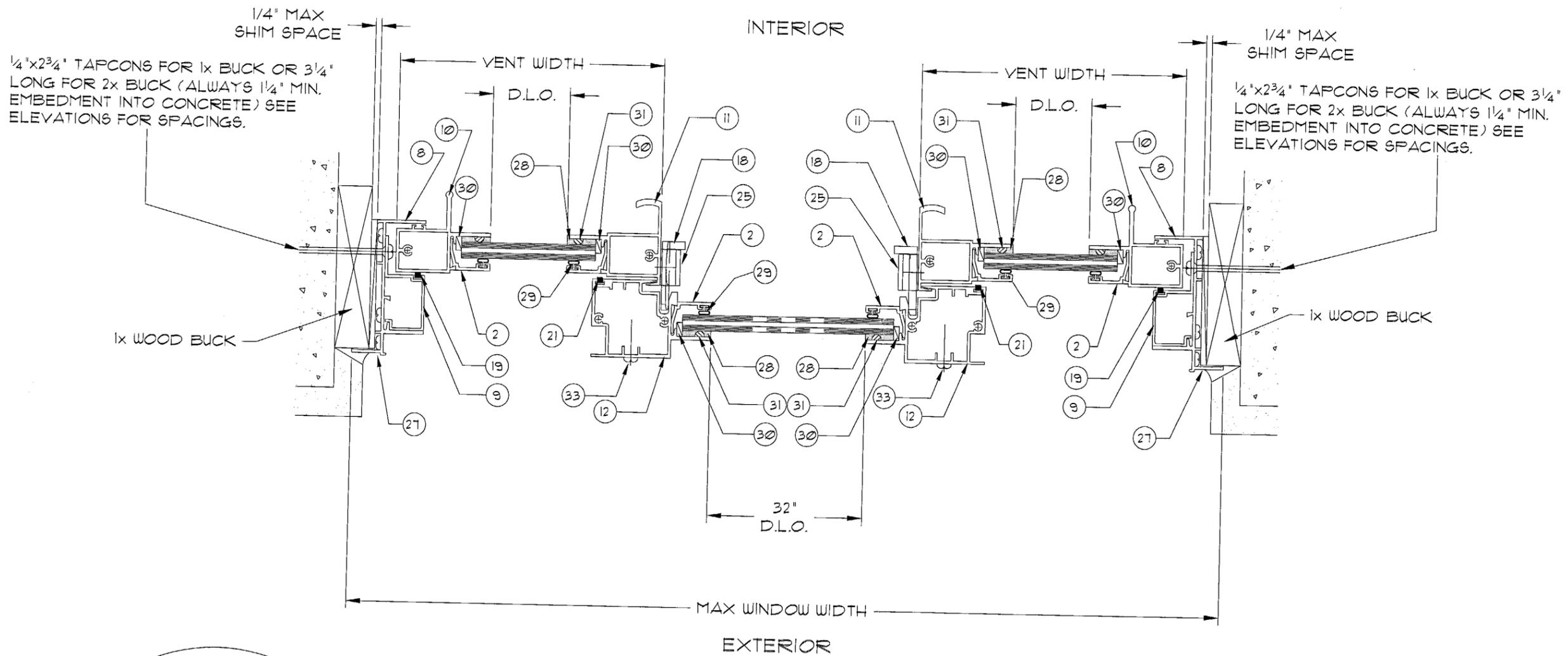
SHEET:
 2 OF 5



VERTICAL CROSS SECTION



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 03-0812.02
 Expiration Date 10/17/03
 By *Meredith Berman*
 Miami Dade Product Control
 Division



1/4"x2 3/4" TAPCONS FOR 1x BUCK OR 3/4" LONG FOR 2x BUCK (ALWAYS 1/4" MIN. EMBEDMENT INTO CONCRETE) SEE ELEVATIONS FOR SPACINGS.

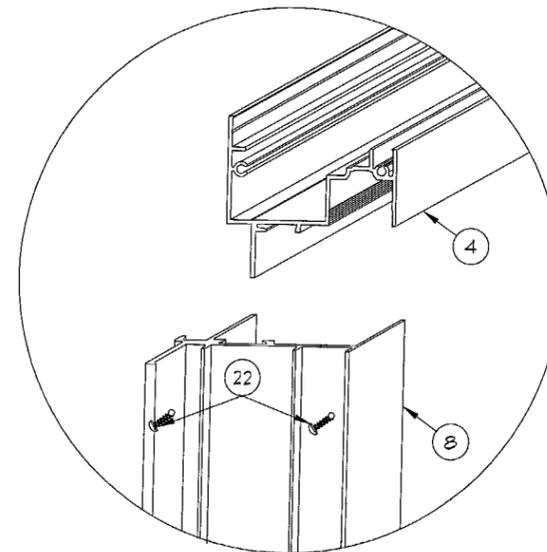
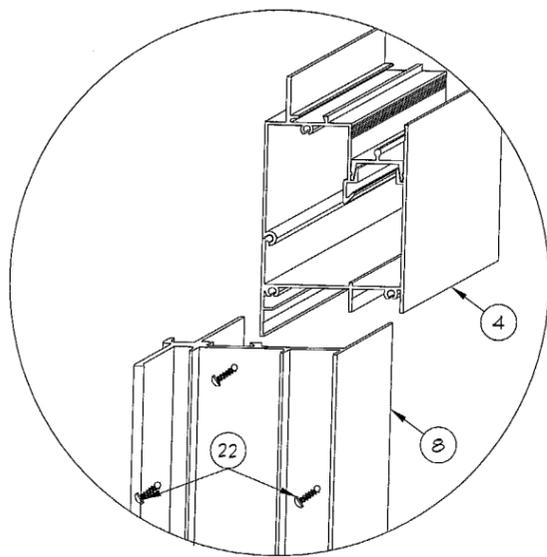
1/4" MAX SHIM SPACE

1/4"x2 3/4" TAPCONS FOR 1x BUCK OR 3/4" LONG FOR 2x BUCK (ALWAYS 1/4" MIN. EMBEDMENT INTO CONCRETE) SEE ELEVATIONS FOR SPACINGS.

1x WOOD BUCK

1x WOOD BUCK

HORIZONTAL CROSS SECTION



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 as complying with the Florida
 Building Code
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 Expiration Date 10/17/07

By *Sheldon Berman*
 Miami Dade Product Control
 Division

OCT 02 2003
 FRANK L. BENNARDO, P.E.
 #0046549

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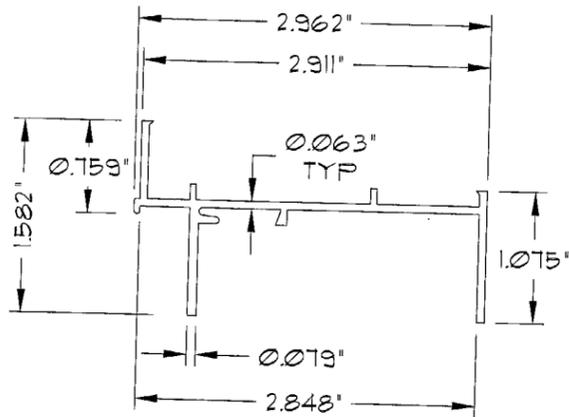
TRACO
 Windows & Doors Inc.
 SERIES 140 (442) ALUMINUM
 HORIZONTAL SLIDING WINDOW



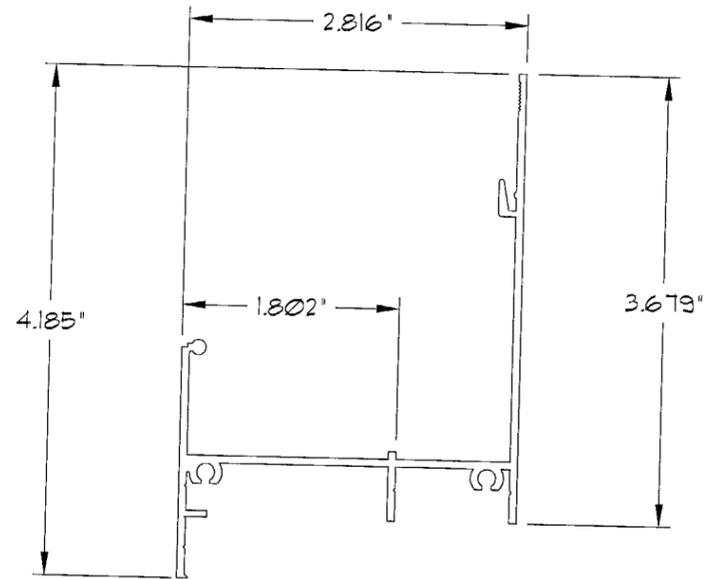
REVISIONS	
DESCRIPTION	DATE
TAPCON LENGTH	10/17/03

SCALE: N.T.S.
 DRAIN BY: CL
 CHECKED BY: FLB
 ORIG DATE: 8/4/03
 DWG #: 03-0811-113

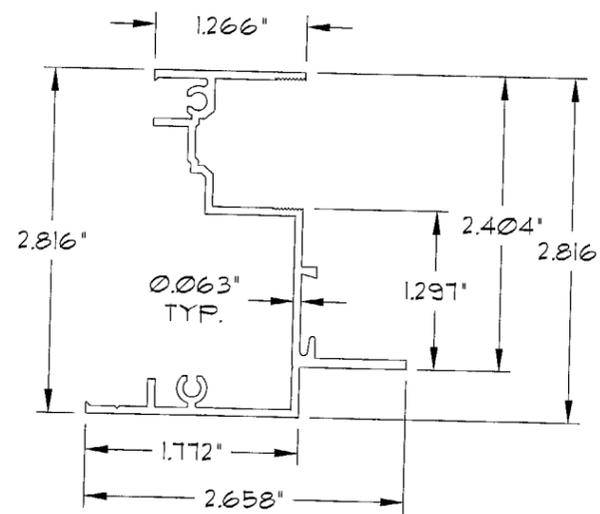
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 3 OF 5



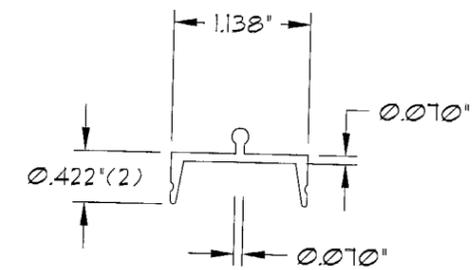
FRAME JAMB
(SEG 050-572)



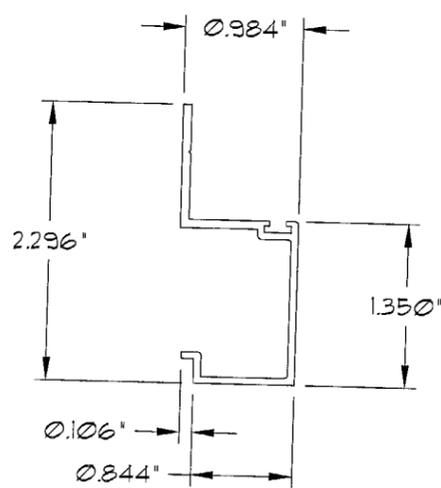
MAIN FRAME SILL
(SEG 050-737)



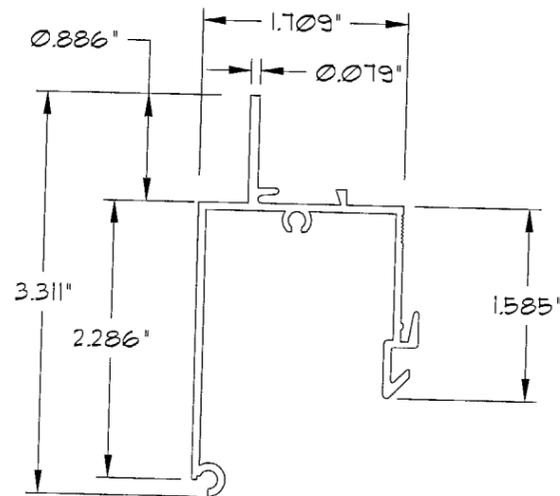
FRAME HEAD
(SEG 050-757)



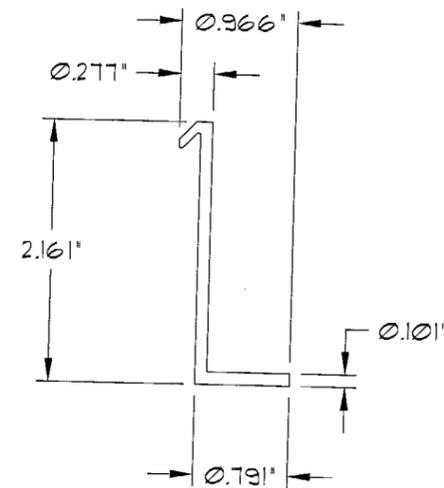
SILL TRACK INSERT
(SEG 050-739)



JAMB ADAPTER
(SEG 050-741)



SILL ADAPTER
(SEG 050-738)



SILL WINDLOAD ADAPTER
(SEG 050-740)

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as complying with the Florida
Building Code
Acceptance No 03-0812.02
Expiration Date 10/17/07

By *Cheridan Berman*
Miami Dade Product Control
Division

OCT 02 2003

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TRACO
Windows & Doors Inc.
SERIES 140 (442) ALUMINUM
HORIZONTAL SLIDING WINDOW



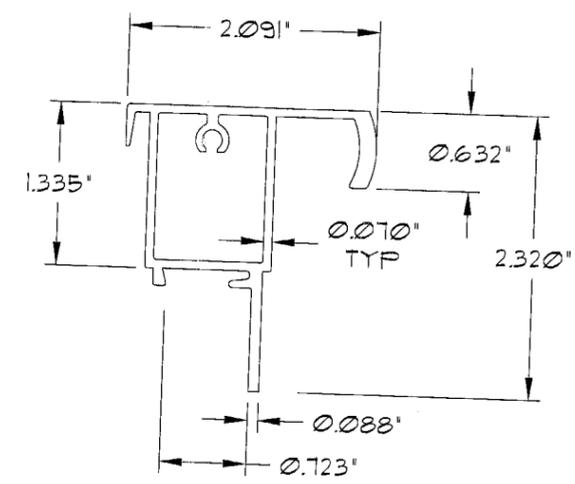
REVISIONS	
DESCRIPTION	DATE
TAPCON LENGTH	10/12/03

SCALE: 8"=1"
DRAWN BY: CL
CHECKED BY: FLB
ORIG DATE: 8/4/2003
DWG #: 03-0811-13

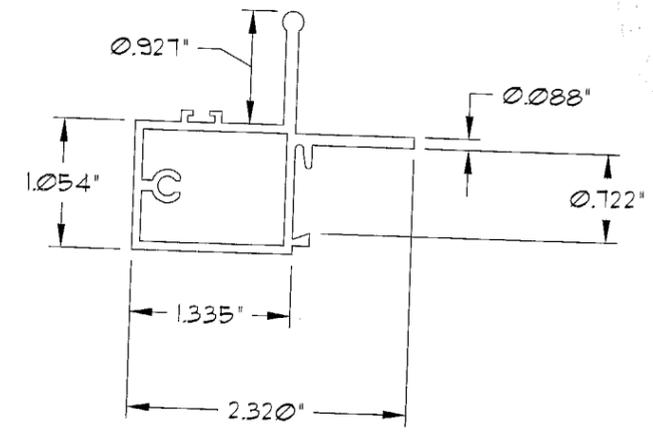
SHEET:
4 OF 5

BILL OF MATERIALS

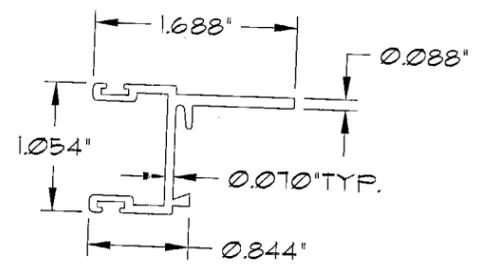
ITEM #	DESCRIPTION	PART NUM.	ALLOY / TEMP	COMMENTS
1	FRAME HEAD	050-757	6063-T5	SEG-757 MILL FINISH
2	GLAZING BD.	050-759	6063-T5	SEG-749 MILL FINISH
3	SASH TOP & BOTTOM RAIL	050-570	6063-T5	SEG-570 MILL FINISH
4	MAIN FRAME SILL	050-737	6063-T5	SEG-737 MILL FINISH
5	SILL ADAPTER	050-738	6063-T5	SEG-738 MILL FINISH
6	SILL TRACK INSERT	050-739	6063-T5	SEG-739 MILL FINISH
7	SILL WINDLOAD ADAPTER	050-740	6063-T5	050-740 MILL FINISH
8	FRAME JAMB	050-572	6063-T5	SEG-572 MILL FINISH
9	JAM ADAPTER	050-741	6063-T5	SEG-741 MILL FINISH
10	SASH SIDE RAIL	051-742	6063-T5	SEG-742 MILL FINISH
11	SASH MEETING RAIL	051-571	6063-T5	SEG-571 MILL FINISH
12	FIXED MEETING RAIL	051-573	6063-T5	SEG-573 MILL FINISH
13	FLAT BAR	050-004		3/16" X 1"
14	WHEEL HOUSING	014-005	WEEP ASSEMBLY, WHITE (014-063)	
15	WHEEL	014-044	.750 DIA.	NAT. ACETAL
16	DOWEL PIN	015-041	-----	.150 DIA. X .550, BRASS
17	W'STRIPPING (at sash B & T rail)	047-014	FIN-SEAL	.360 X .187 BACK
18	SWEEP LATCH	007-016	-----	WHITE
19	W'STRIPPING (at jamb adapter)	047-014	FIN-SEAL	.360 X .187 BACK
20	SCREW @ MULLION & SILL ADAPTER	000-000	-----	#10 X 2.000, FHPH SMS
21	W'STRIPPING (at meeting rail)	047-014	FIN-SEAL	.360 X .187 BACK
22	FRAME ASSEMBLY SCREW	012-835	-----	#8 X 1.000, FHPH SMS
23	MEETING RAIL ASSEMBLY SCREW	012-130	-----	#10 X 1.000, FHPH SMS
24	SASH ASSEMBLY SCREW	012-835	-----	#8 X 1.000, FHPH SMS
25	SWEEP LATCH SCREW	012-830	STAINLESS STEEL	#8 X .750, FHPH SMS, SS
26	WINDLOAD ADAPTER SCREW	000-000	STAINLESS STEEL	#12 X 2 1/2", FHPH B, SS
27	SEAM SEALER (at frame, at sash)	024-013	-----	SM 5504
28	SILICONE SEALANT (at fxd., at sash)	024-043	-----	DOW 1199 OR 995
29	GLAZING BEAD GASKET (FXD, VT)	046-014	W'STP, BULB VINYL	WV-3134, BKL.
30	SETTING BLOCK	046-103	-----	WV5848 SANTOPRENE
31	BUMFON SPACER	014-049	-----	.150, SJ-5306, CLR
32	MULLION	051-390	-----	1 X 3 X 6
33	SCREW AT MEETING RAIL	012-02-30	-----	#10 X 1
33	1/4" TAPCONS	-----	-----	



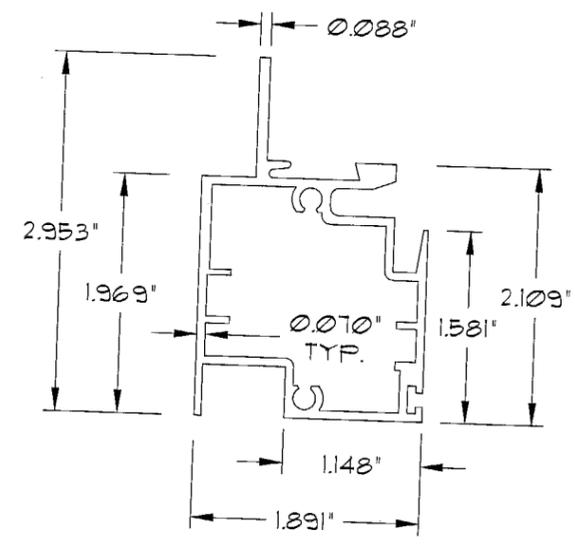
SASH MEETING RAIL
(SEG 051-571)



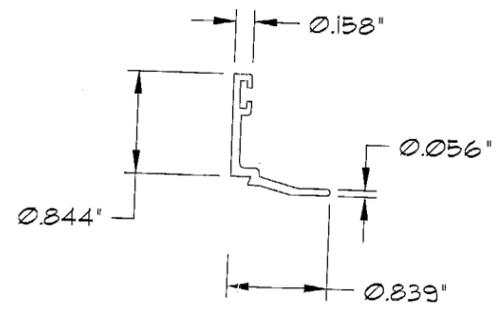
SASH SIDE RAIL
(SEG 051-742)



SASH TOP & BOTTOM RAIL
(SEG 050-570)



MEETING RAIL
(SEG 051-573)



GLAZING BEAD
(SEG 050-759)

OCT 02 2003

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#FE0046948

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HORIZONTAL SLIDING WINDOW

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Acceptance No 03-0812.02
Expiration Date 10/13/07

By *Clayton Berman*
Miami Dade Product Control
Division

REVISIONS	
DESCRIPTION	DATE
TAPCON LENGTH	10/12/03

SCALE: 8"=1'
DRAWN BY: CL
CHECKED BY: FLB
ORIG DATE: 07/20/03
DWG #: 03-0811-13

SHEET:
5 OF 5