



**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) 372-6339**

NOTICE OF ACCEPTANCE (NOA)

www.maimidade.gov/buildingcode

**Traco Security Windows & Doors, Inc.
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 (442)" Aluminum Horizontal Sliding Window – S.M.I.

APPROVAL DOCUMENT: Drawing No. **03-0811-113**, titled "Series C-140(442) Aluminum Horizontal Sliding Window", sheets 1 through 5 of 5, dated 08/04/03 with revision #4 dated 09/15/08, prepared by Engineering Express, 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: 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 NOA # 07-0810.07** 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 **Manuel Perez, P.E.**



**NOA No. 08-1020.06
Expiration Date: October 17, 2012
Approval Date: January 1, 2009
Page 1**

Traco Security Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **03-0811-113**, titled "Series C-140(442) Aluminum Horizontal Sliding Window", sheets 1 through 5 of 5, dated 08/04/03 with revision #4 dated 09/15/08, prepared by Engineering Express, 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-3217**, dated 11/13/01, signed and sealed by Luis Figueredo, P.E.
(Submitted under NOA # 03-0812.02)
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-3218**, dated 11/7/01, signed and sealed by Luis Figueredo, P.E.
(Submitted under NOA # 03-0812.02)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004 and 2007, prepared by Engineering Express, dated 9/15/08, signed and sealed by Frank L. Bennardo, P.E.
Complies with ASTM E1300-02

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 Clear or colored interlayer" dated May 04, 2006, expiring on May 21, 2011.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 08-1020.06

Expiration Date: October 17, 2012
Approval Date: January 1, 2009

Traco Security Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance, dated 09/18/08, signed and sealed by Frank L. Bennardo, P.E.
2. Statement letter of no financial interest, dated 09/18/08, signed and sealed by Frank L. Bennardo, P.E.
3. Laboratory compliance letter for Test Report no. **FTL-3218** issued by Fenestration Testing Laboratory, Inc., dated 12/10/02, signed and sealed by Luis Figueredo, P.E. *(Submitted under NOA # 03-0812.02)*

G. OTHER

1. Notice of Acceptance No. **07-0810.07**, issued to Traco Security Windows & Doors, Inc. for their Series "140 (442)" Aluminum Horizontal Sliding Window, approved on 09/20/07 and expiring on 10/17/12.


Manuel Perez, P.E.

Product Control Examiner
NOA No. 08-1020.06

Expiration Date: October 17, 2012
Approval Date: January 1, 2009

SERIES C-140 (442) ALUMINUM HORIZONTAL SLIDING WINDOW

SMALL MISSILE IMPACT RESISTANT

FRANK L. BENNARDO, P.E.
PE0046549

10/14/2008

ENGINEERING EXPRESS
160 SW 12th AVENUE, #106
DEERFIELD BEACH, FL 33442
Ph: (954) 354-0660 Fax: (954) 354-0443
WWW.ENGEXP.COM
CERT OF AUTH #9885
A FRANK L. BENNARDO, P.E., INC. INNOVATION

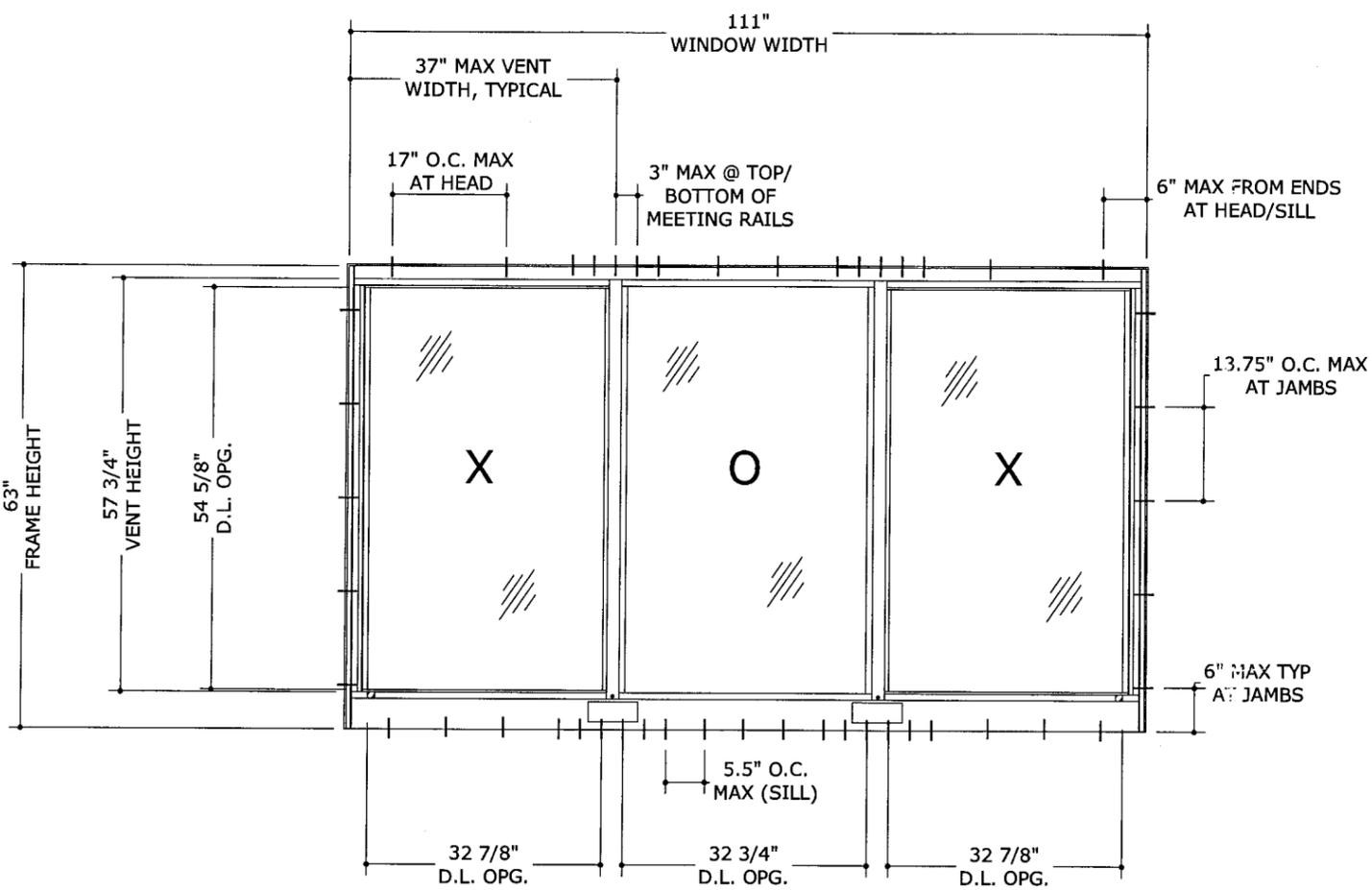
71 Progress Avenue
Cranberry Township, PA 16166
Tel: (724) 776-7000

TRACO
Windows & Doors Inc.

SERIES C-140 (442) ALUMINUM HORIZONTAL SLIDING WINDOW
SMALL MISSILE IMPACT RESISTANT
MIAMI-DADE NOTICE OF ACCEPTANCE

REMARKS	DATE	DRWN	CHKD
INIT ISSUE	08/04/03	CL	FLB
TAPCON LENGTH	10/02/03	CL	FLB
2004 FBC	09/22/05	CL	FLB
2007 FBC	09/15/08	CL	CL

03-0811-113
SCALE: 1/8" = 1'-0"
PAGE DESCRIPTION:
1



DESIGN PRESSURE RATING WITH 7/16" LAMINATED GLASS:

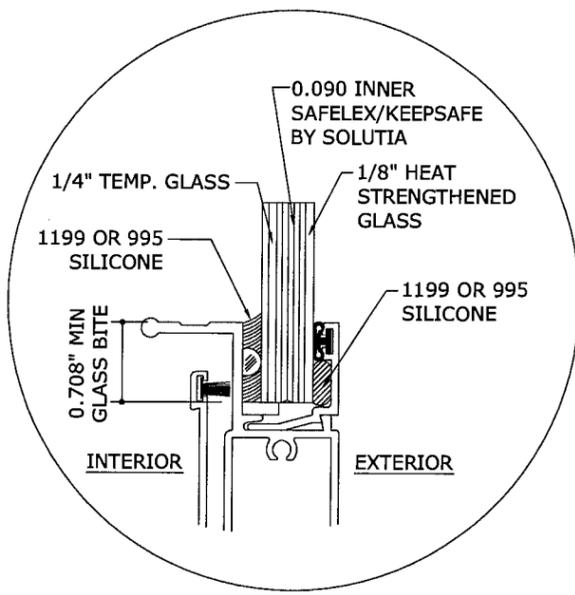
1/8" H.S. - 0.090" INTERLAYER
(SAFLEX / KEEPSAFE) - 1/4" TEMP. GLASS

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 2007 FLORIDA BUILDING CODE, HIGH VELOCITY HURRICANE ZONES, AND MIAMI-DADE COUNTY PROTOCOLS TAS 201, 202 & 203.
2. 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.
3. 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.
4. 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.
5. 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.
6. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENTS AND EDGE DISTANCES SPECIFIED HEREIN ARE TO SOLID SUBSTRATE AND EXCLUDE ANY WALL DRESSING OR STUCCO.
7. 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.
8. ALL STEEL IN CONTACT WITH ALUMINUM SHALL BE PAINTED OR PLATED.

NOTE: XOX CONFIGURATION SHOWN HERE. OX AND XO CONFIGURATIONS ARE ALSO APPROVED PROVIDED THE OVERALL WINDOW DIMENSIONS, MAX VENT SIZES, AND MAX DAY LIGHT OPENING DIMENSIONS ARE NOT EXCEEDED. OX AND XO CONFIGURATIONS SHALL MAINTAIN THE MINIMUM ANCHORAGE REQUIREMENTS SHOWN HEREIN.



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

GLAZING NOTES:

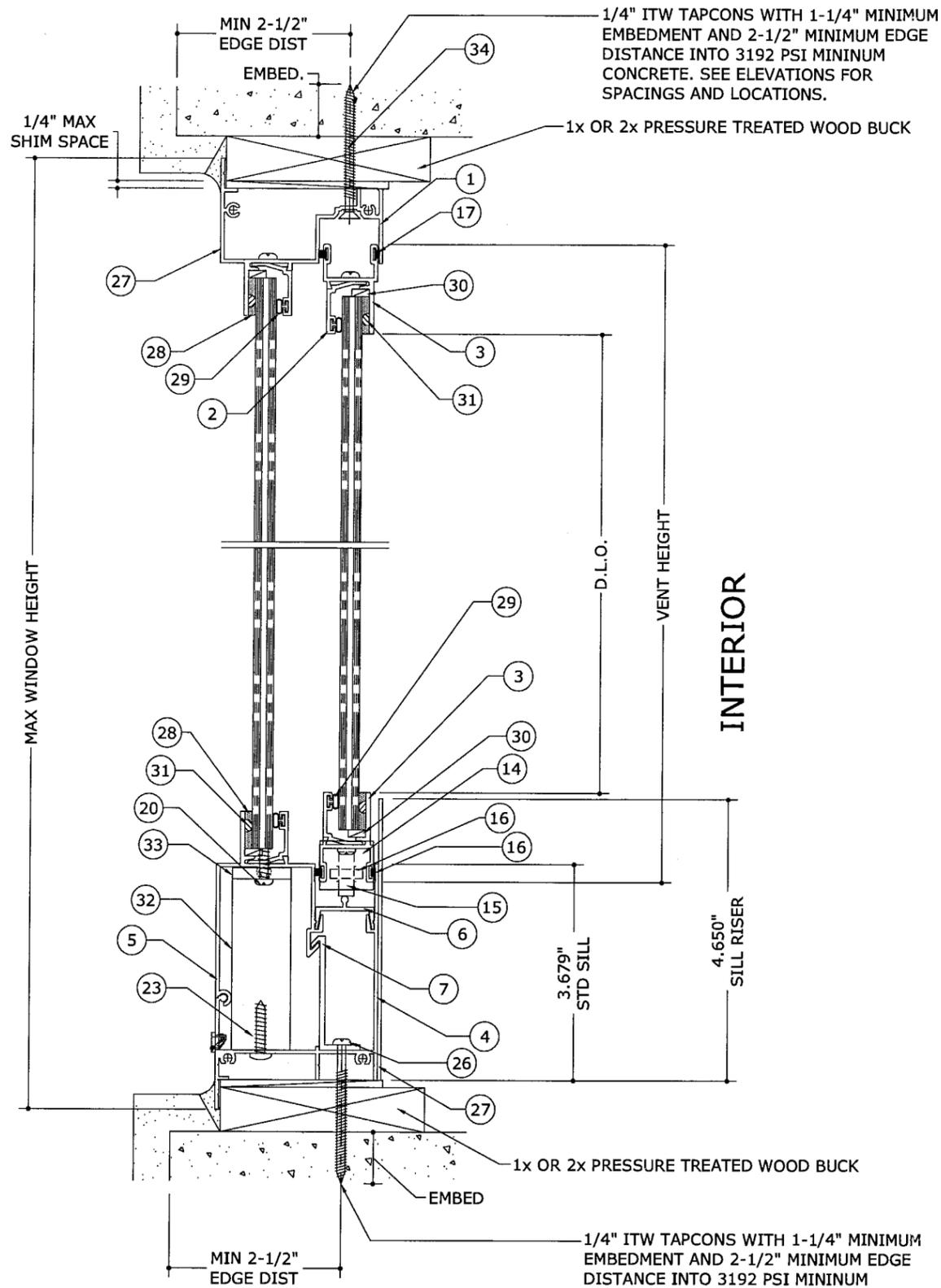
SEALANTS:
ALL INSTALLATION SCREW, FRAME & PANEL CORNER SEAMS SEALED WITH ALUM- OR CLEAR-COLORED SEALANT (ALL GLAZING OPTIONS)

PRODUCT REVISED
to comply with the Florida
Building Code
Approval No. 08-1070-06
Expiration Date OCT 11, 2012
By: *Manuel Perez*
Miami-Dade Product Control
Division

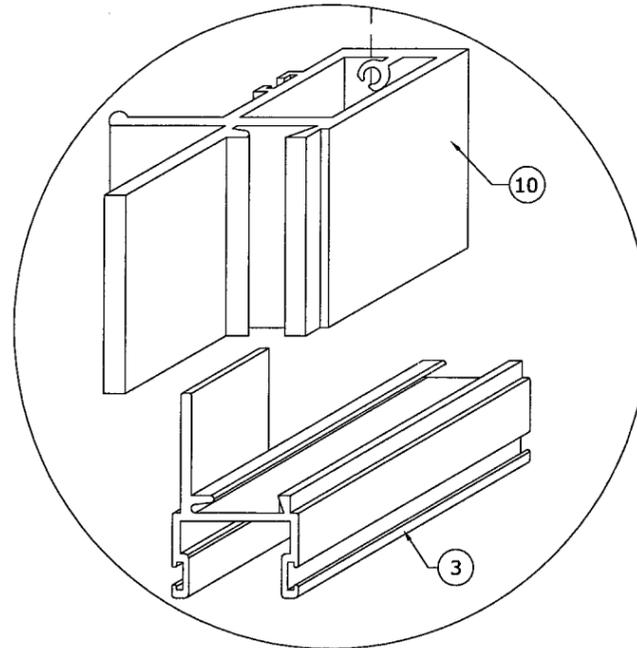
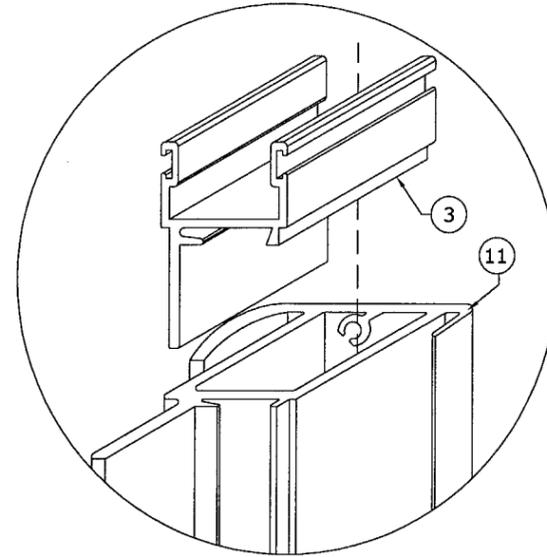
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EXTERIOR



VERTICAL CROSS SECTION



PRODUCT REVISED
as comply with the Florida
Building Code
Approved By: **08-1020-06**
Effective Date: **OCT. 17, 2012**
By: *Manuel Perez*
Title: *Project Manager*

FRANK L. BENNARDO, P.E.
PE0046549

10/14/2008

ENGINEERING EXPRESS®
160 SW 12th AVENUE, # 106
DEERFIELD BEACH, FL 33442
PH: (954) 354-0660 FAX: (954) 354-0443
WWW.ENGEXP.COM
CERT OF AUTH #9885
A FRANK L. BENNARDO, P.E., INC. INNOVATION

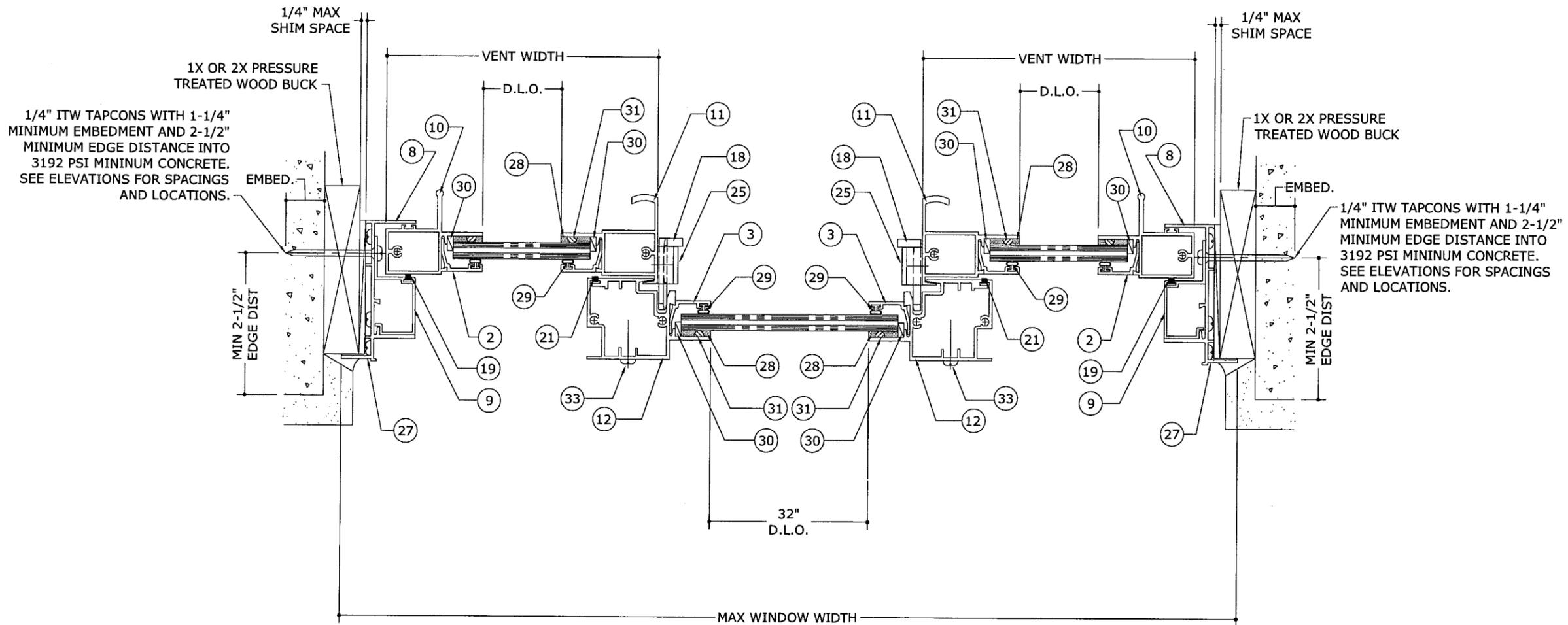
TRACO
Windows & Doors Inc.
71 Progress Avenue,
Cranberry Township, PA 16166
Tel. (724) 776-7000
SERIES C-140 (442) ALUMINUM HORIZONTAL SLIDING WINDOW
SMALL MISSILE IMPACT RESISTANT
MIAMI-DADE NOTICE OF ACCEPTANCE

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	CL	FLB	08/04/03
TAPCON LENGTH	CL	FLB	10/02/03
2004 FBC	CL	FLB	06/22/05
2007 FBC	KL	CL	09/15/08

03-0811-113
SCALE: - 03
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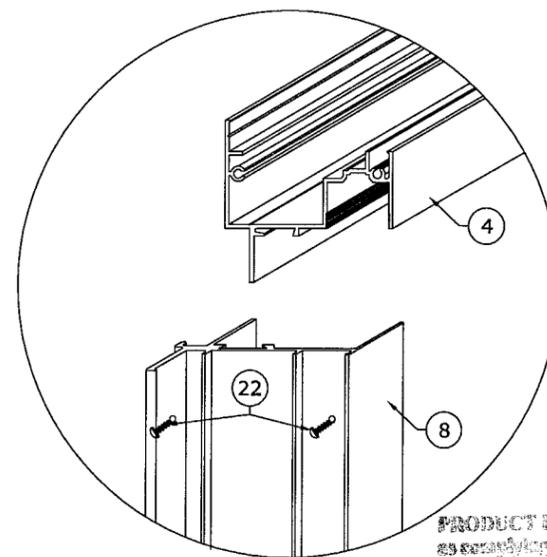
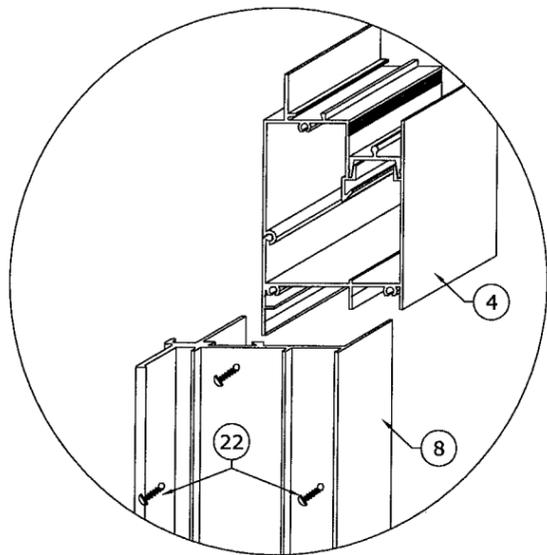
10/14/2008

INTERIOR



EXTERIOR

HORIZONTAL CROSS SECTION



ENGINEERING EXPRESS

160 SW 12th AVENUE, #106
DEERFIELD BEACH, FL 33442
PH: (954) 354-0660 FAX: (954) 354-0443
WWW.ENGENXP.COM

A. FRANK L. BENNARDO, P.E., INC. INNOVATION
CERT. OF AUTH. #9885

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SERIES C-140 (442) ALUMINUM HORIZONTAL SLIDING WINDOW
SMALL MISSILE IMPACT RESISTANT
MIAMI-DADE NOTICE OF ACCEPTANCE

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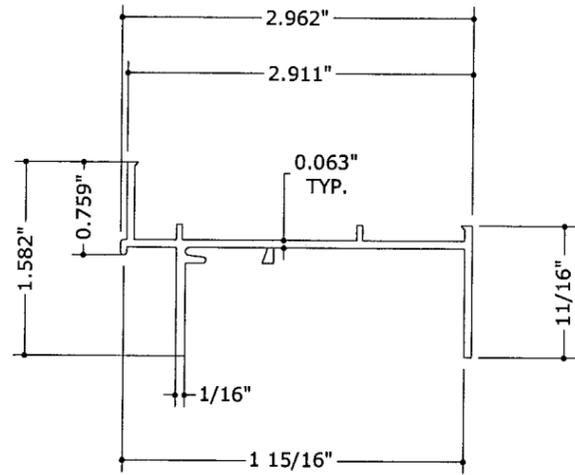
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SCALE: - 03

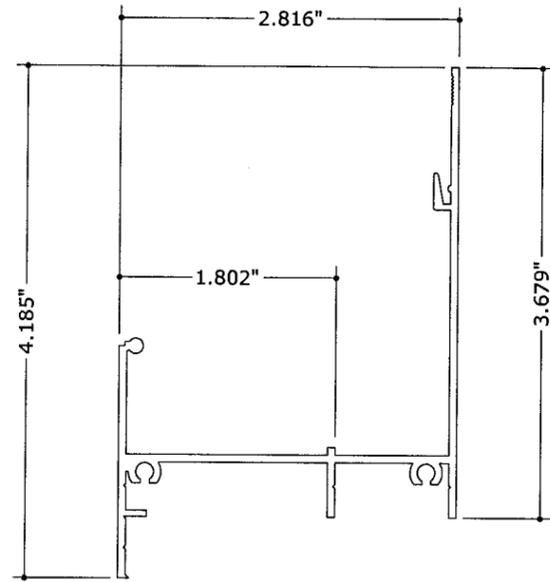
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PRODUCT REVIEWED
as complying with the Florida
Building Code
Approved by: **08-1020.06**
Building Dept. **OCT. 17, 2012**
By: *Manuel Perez*

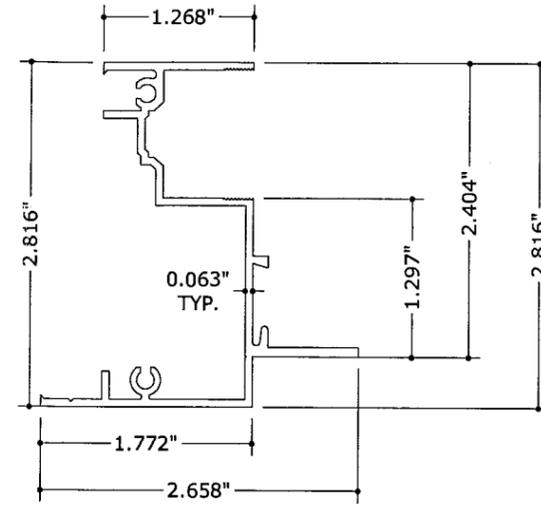
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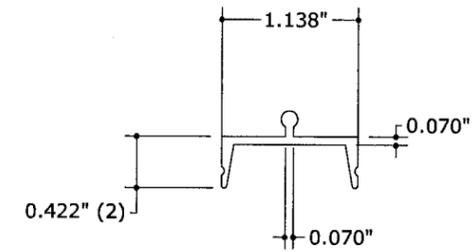
FRAME JAMB
(SEG 050-572)



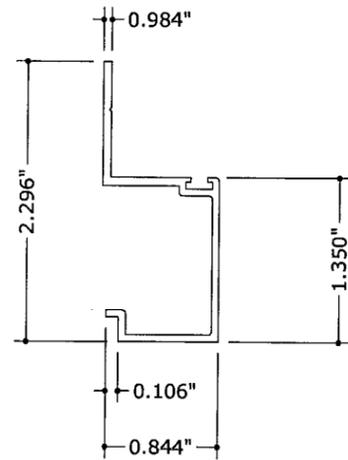
MAIN FRAME SILL
(SEG 050-737)



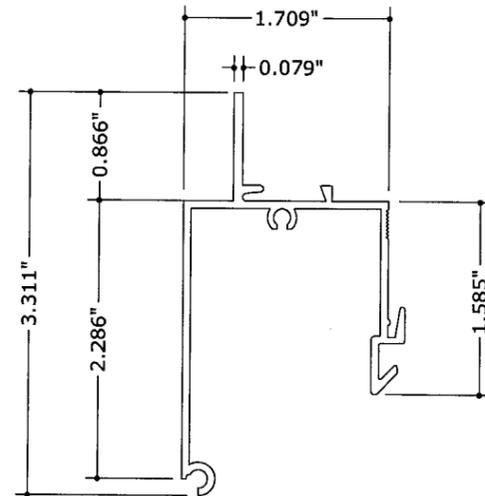
FRAME HEAD
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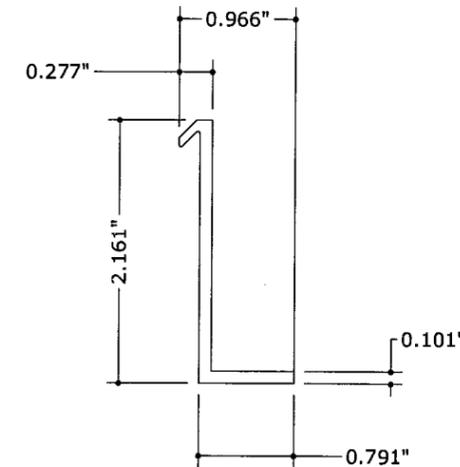
SILL TRACK INSERT
(SEG 050-739)



JAMB ADAPTER
(SEG 050-741)



SILL ADAPTER
(SEG 050-738)



SILL WINDLOAD ADAPTER
(SEG 050-740)

PRODUCT REVIEWED
as complying with the Florida
Building Code
Approved by: **08-10-20-06**
Inspector: **Oct 17, 2012**
Manuel Perez

FRANK L. BENNARDO, P.E.
PE0046549

10/14/2008



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TRACO
Windows & Doors Inc.
SERIES C-140 (442) ALUMINUM HORIZONTAL SLIDING WINDOW
SMALL MISSILE IMPACT RESISTANT
MIAMI-DADE NOTICE OF ACCEPTANCE

REMARKS	DRWN	CHKD	DATE
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TAPCON LENGTH	CL	FLB	10/02/03
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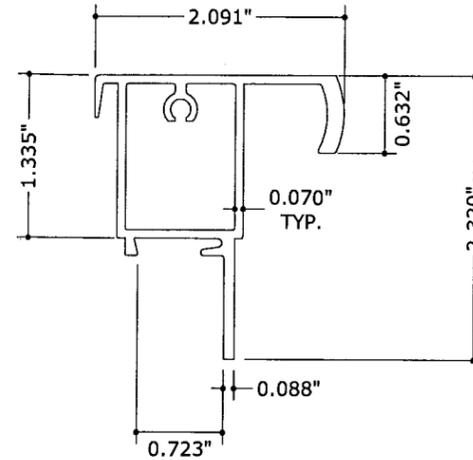


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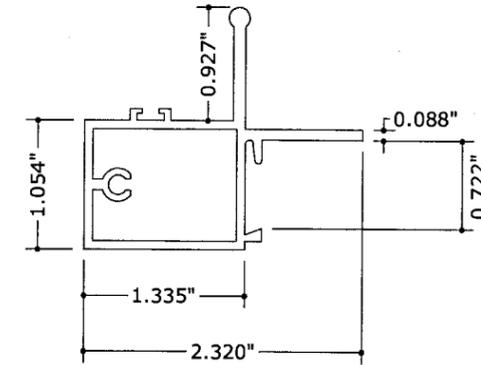
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BILL OF MATERIALS

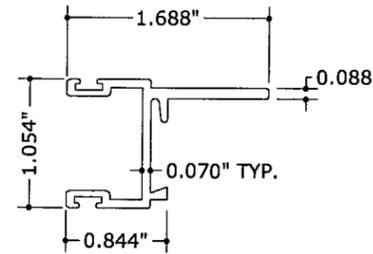
ITEM #	DESCRIPTION	PART NUM.	ALLOY / TEMP	COMMENTS
1	FRAME HEAD	050-757	6063-T5	SEG-757 MILL FINISH
2	GLAZING BD.	050-759	6063-T5	SEG-749 MILL FINISH
3	SASH TOP & BOTTOM RAIL	050-570	6063-T5	SEG-570 MILL FINISH
4	MAIN FRAME SILL	050-737	6063-T5	SEG-737 MILL FINISH
5	SILL ADAPTER	050-738	6063-T5	SEG-738 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, PhPH 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, PhPH SMS
23	MEETING RAIL ASSEMBLY SCREW	012-130	-----	#10 X 1.000, PhPH SMS
24	SASH ASSEMBLY SCREW	012-835	-----	# 8 X 1.000, PhPH SMS
25	SWEEP LATCH SCREW	012-830	STAINLES STEEL	#8 X .750, PhPH SMS, SS
26	WINDLOAD ADAPTER SCREW	000-000	STAINLES STEEL	#12 X 2 1/2", PhTrH B, SS
27	SEAM SEALER (at frame, at sash)	024-019	-----	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	BUMPON 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	-----	-----	



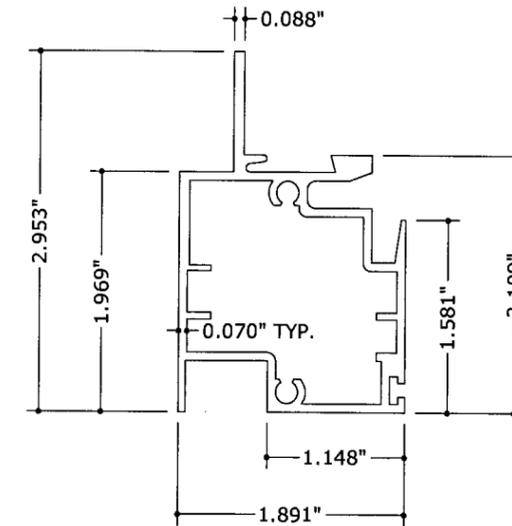
SASH MEETING RAIL
(SEG 051-571)



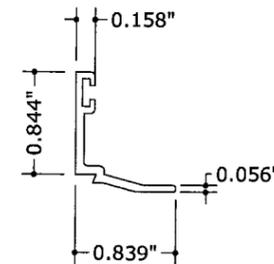
SASH SIDE RAIL
(SEG 051-742)



SASH TOP & BOTTOM RAIL
(SEG 050-570)



MEETING RAIL
(SEG 051-573)



GLAZING BEAD
(SEG 050-759)

PRODUCT REVIEWED
AS COMPLYING WITH THE STANDARD
08-1020-06
OCT. 17, 2012
Manuel Perez

FRANK L. BENNARDO, P.E.
PE0046549

10/14/2008

ENGINEERING EXPRESS
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