



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
71 Progress Avenue
Cranberry, 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

APPROVAL DOCUMENT: Drawing No. **03-0811-113**, titled "Series C-140(442) Aluminum Horizontal Sliding Window", sheets 1 through 5 of 5, prepared by manufacturer, dated 08/04/03 with revision date on 06/22/05, 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 # **03-0812.02**, and consists of this page 1 and evidence page 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**



NOA No 05-0719.01
Expiration Date: October 17, 2007
Approval Date: September 22, 2005
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 C-140(442) Aluminum Horizontal Sliding Window", sheets 1 through 5 of 5, prepared by manufacturer, dated 08/04/03 with revision date on 06/22/05, 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 202-94
along 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 # 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 203-94
along 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 # 03-0812.02"

C. CALCULATIONS

1. Revised Anchor Calculations, ASTM-1300, and structural analysis, prepared by Frank L. Bennardo, P.E. Consulting Engineer, dated 06/22/05, signed and sealed by Frank L. Bennardo, P.E.
2. 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 # 03-0812.02"
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.
"Submitted under NOA # 03-0812.02"
3. Complies with ASTM-E1300-98

fw 
Herminio F. Gonzalez, P.E.
Director, Building Code Compliance Office
NOA No 05-0719.01
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Traco Security Windows & Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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.

E. QUALITY ASSURANCE

1. Miami-Dade County Building Code Compliance Office.

F. STATEMENTS

1. Statement letter of conformance, dated 07/01/05, signed and sealed by Frank L. Bennardo, P.E.
2. Statement letter of no financial interest, dated 07/01/05, signed and sealed by Frank L. Bennardo, 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.
"Submitted under NOA # 03-0812.02"

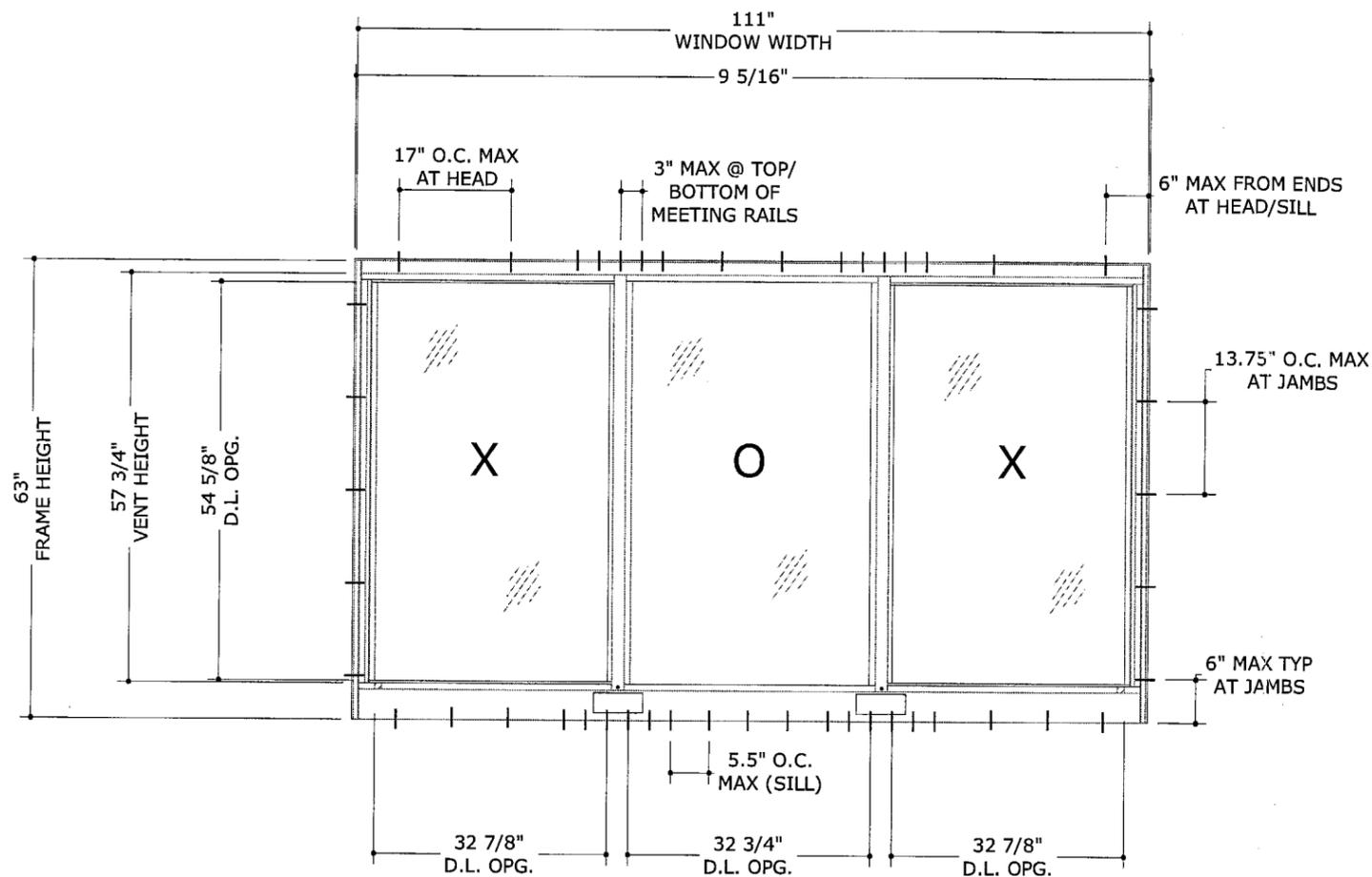
G. OTHER

1. Letter from the consultant, dated July 26, 2005, stating that the product is in compliance with the Florida Building Code (FBC)



Herminio F. Gonzalez, P.E.
Director, Building Code Compliance Office
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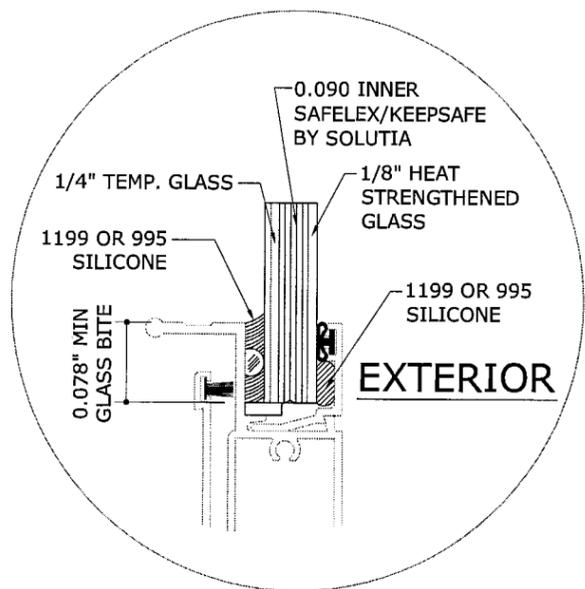
07/14/2005



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 2004 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 (e.g. NOA #01-1218.01 OR #01-1218.02).
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 EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND 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.



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
as complying with the Florida
Building Code
Acceptance No. 05-0719.01
Expiration Date 10/12/03
By: *[Signature]*
Miami Dade Product Control
Division

FRANK L. BENNARDO, P.E., INC.
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4441 NORTH DIXIE HIGHWAY
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WWW.FLBENGINEERING.COM
CERTIFICATE OF AUTHORIZATION: #9665

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



SERIES C-140 (442) ALUMINUM
HORIZONTAL SLIDING WINDOW

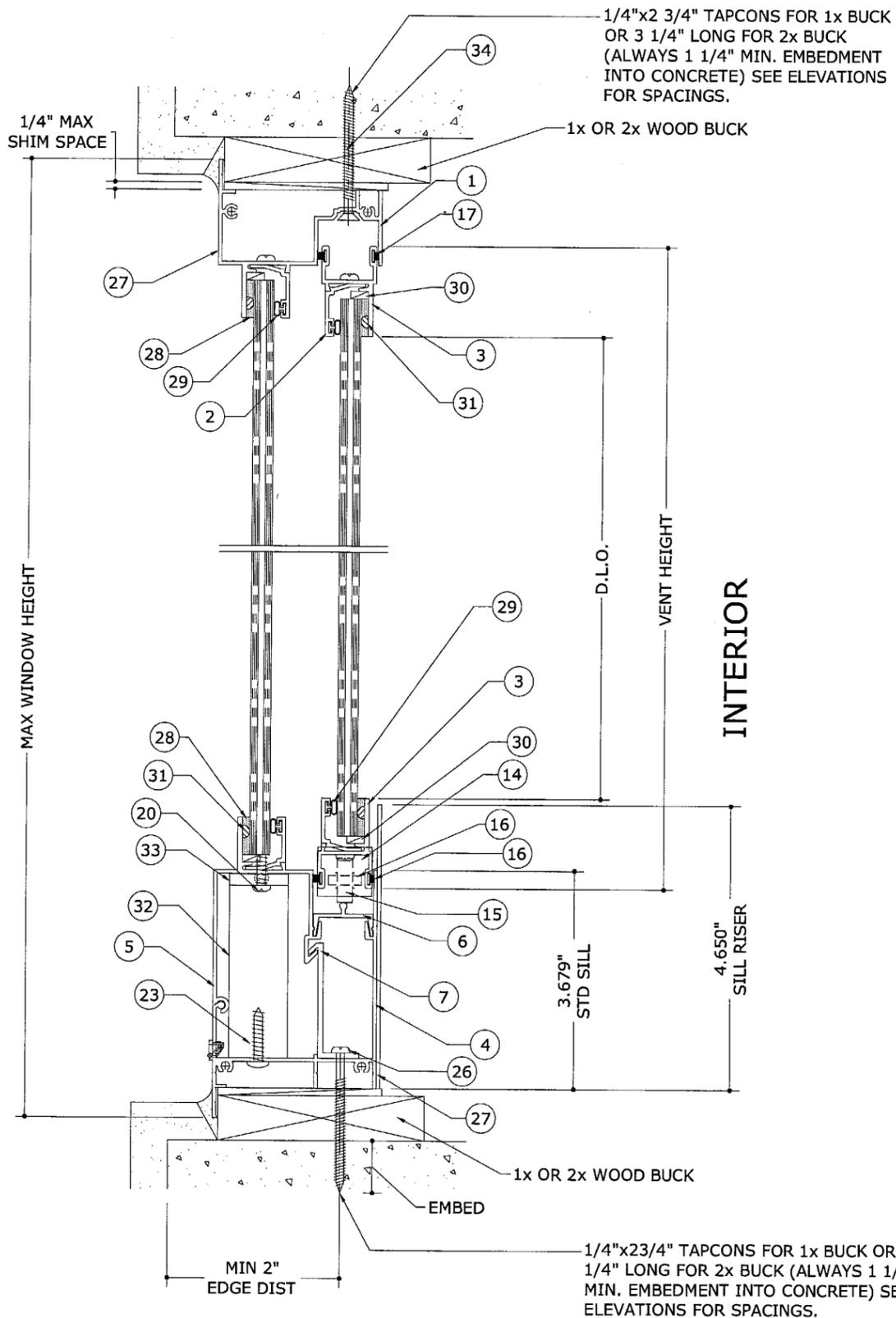
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REV 2 - 2004 FBC	CL	FLB	06/22/05

03-0811-113

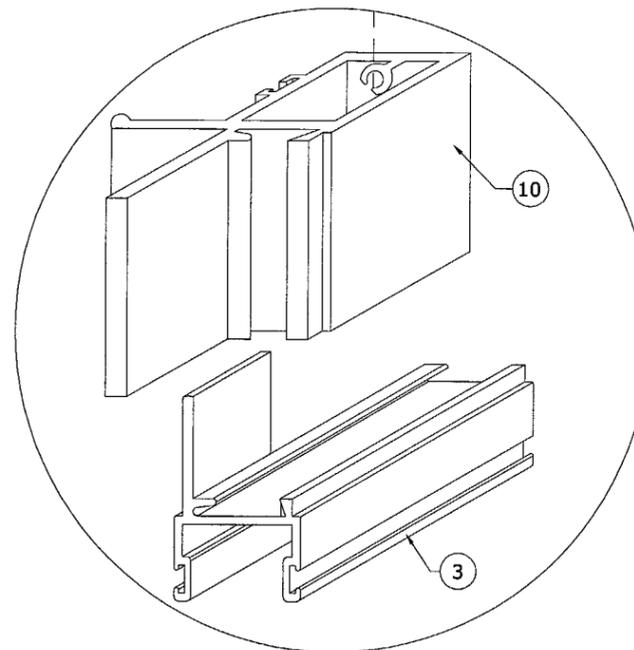
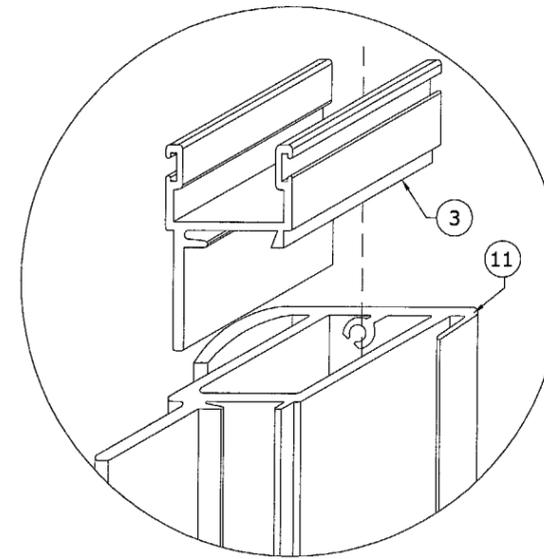
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DESCRIPTION:

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EXTERIOR



VERTICAL CROSS SECTION



PRODUCT REVISED
 to comply with the Florida
 Building Code
 Acceptance No. 05-0719.01
 Expiration Date 10/12/03
 By *M. H. Hall*
 Miami Dade Product Control
 Division

FRANK L. BENNARDO, P.E.
 # PE0046549

07/14/2005

FRANK L. BENNARDO, P.E., INC.
 CONSULTING ENGINEERS
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 WWW.FLBENGINEERING.COM
 CERTIFICATE OF AUTHORIZATION: #9885

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

TRACO
 Windows & Doors Inc.

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	CL	FLB	08/04/03
REV 1 - TAPCON LENGTH	CL	FLB	10/02/03
REV 2 - 2004 FBC	CL	FLB	06/22/05

SERIES C-140 (442) ALUMINUM
 HORIZONTAL SLIDING WINDOW

03-0811-113

PAGE SCALE: N.T.S.

DESCRIPTION:

07/14/2005

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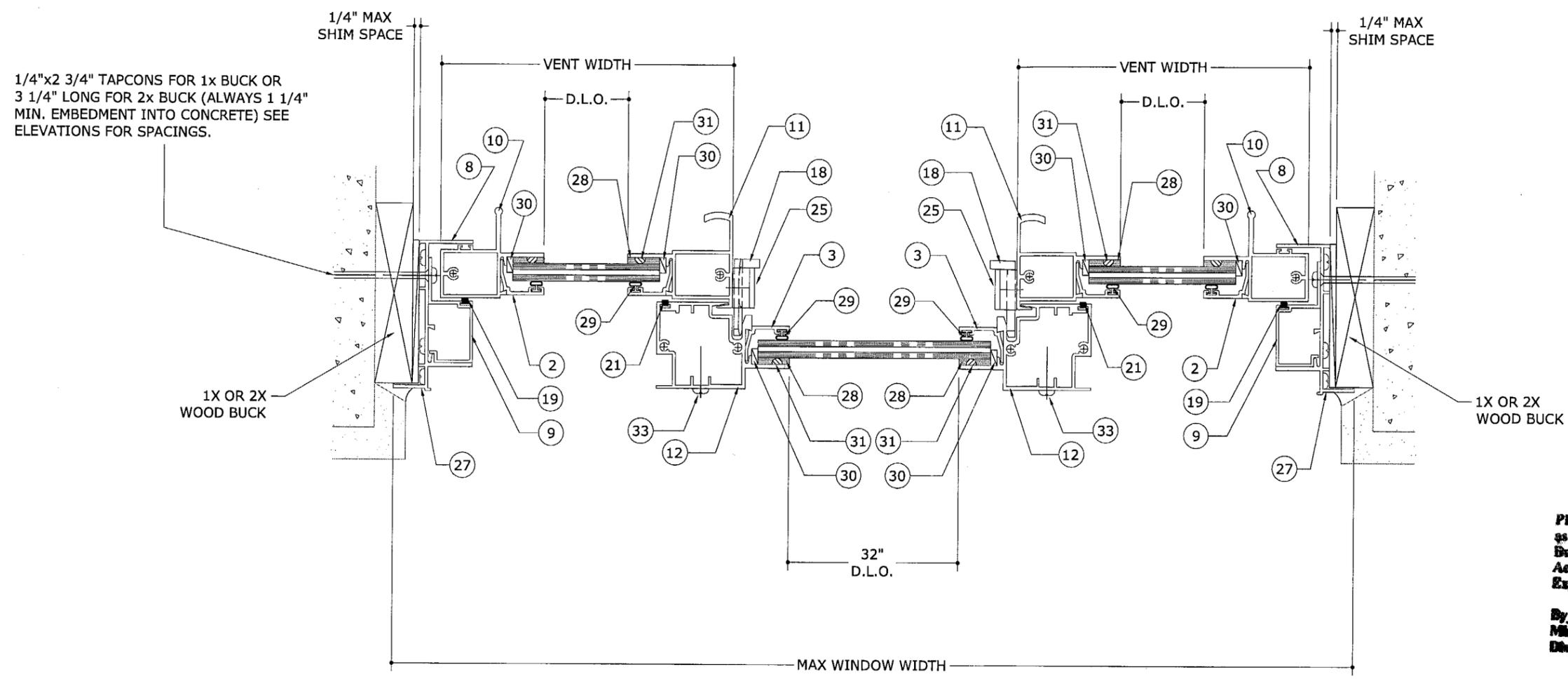
TRACO
Windows & Doors Inc.

SERIES C-140 (442) ALUMINUM
HORIZONTAL SLIDING WINDOW

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	CL	FLB	08/04/03
REV 1 - TAPCON LENGTH	CL	FLB	10/02/03
REV 2 - 2004 FBC	CL	FLB	06/22/05

03-0811-113
PAGE SCALE: N.T.S.
DESCRIPTION:

INTERIOR



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

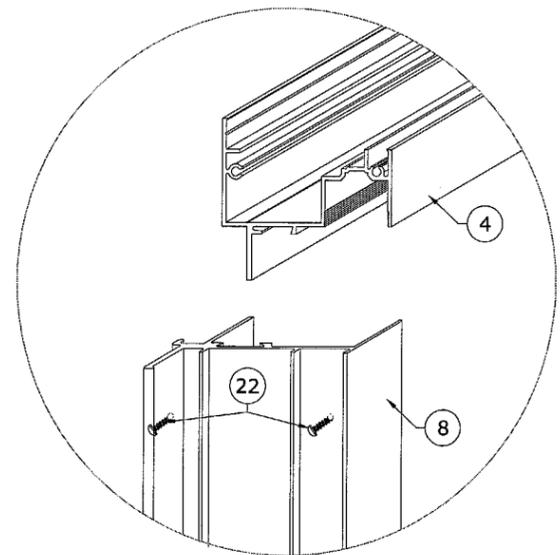
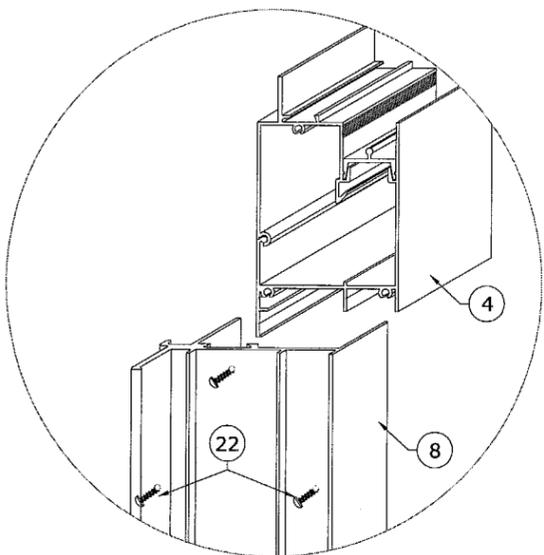
1X OR 2X WOOD BUCK

1X OR 2X WOOD BUCK

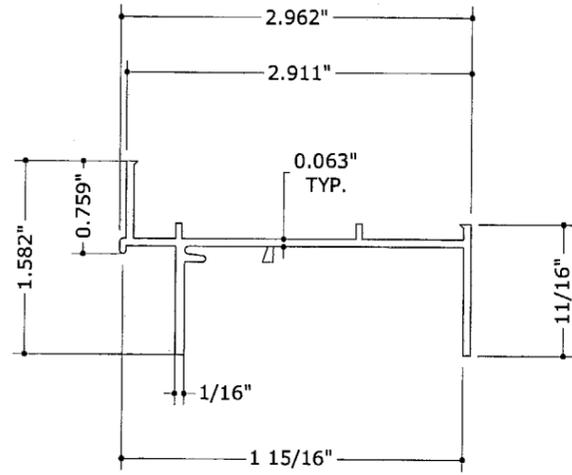
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-0319.01
Expiration Date 10/13/10
By *M. Shultz*
Miami Shultz Product Control
Division

EXTERIOR

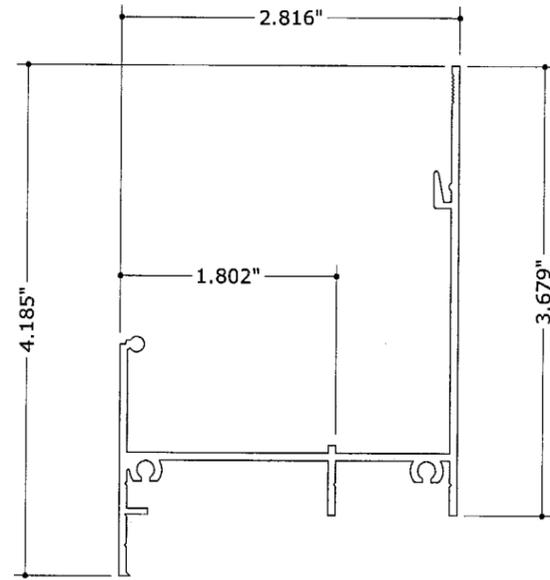
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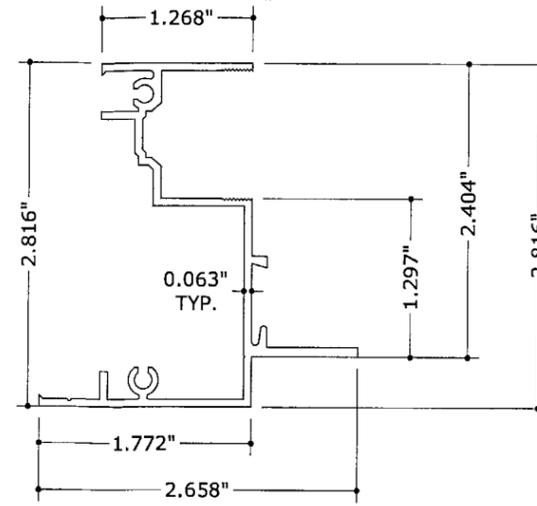
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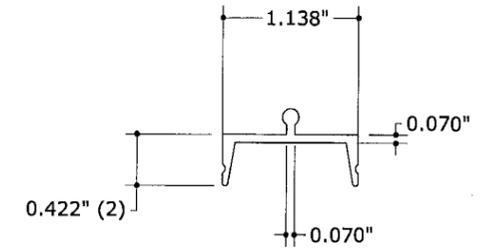
FRAME JAMB
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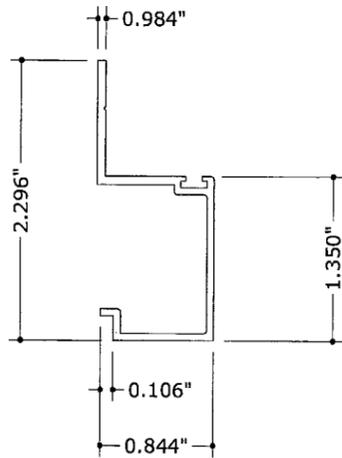
MAIN FRAME SILL
(SEG 050-737)



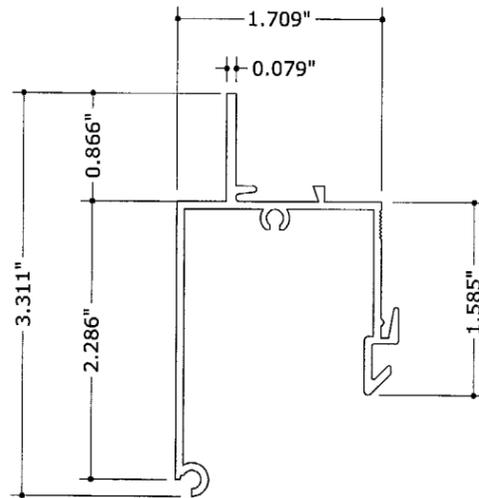
FRAME HEAD
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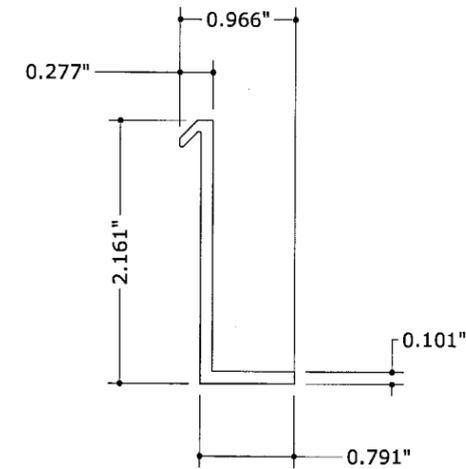
SILL TRACK INSERT
(SEG 050-739)



JAMB ADAPTER
(SEG 050-741)



SILL ADAPTER
(SEG 050-738)



SILL WINDLOAD ADAPTER
(SEG 050-740)

PRODUCT REVIEWED
as complying with the Florida
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Acceptance No. 05-031901
Expiration Date 10/12/03
By [Signature]
Miami Dade Product Control
Division

FRANK L. BENNARDO, P.E.
PE0046549

07/14/2005

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**SERIES C-140 (442) ALUMINUM
HORIZONTAL SLIDING WINDOW**

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	CL	FLB	08/04/03
REV 1 - TAPCON LENGTH	CL	FLB	10/02/03
REV 2 - 2004 FBC	CL	FLB	06/22/05

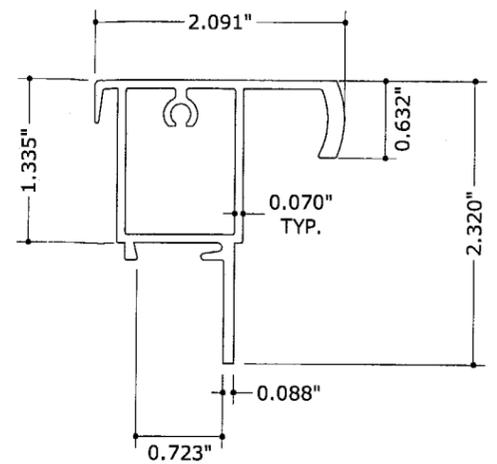
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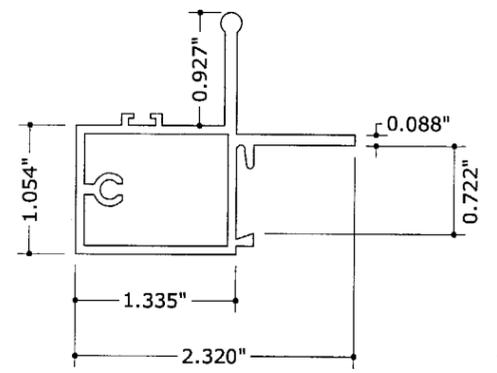
07/14/2005

BILL OF MATERIALS

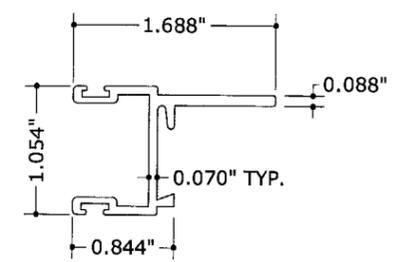
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1	FRAME HEAD	050-757	6063-T5	SEG-757 MILL FINISH
2	GLAZING BD.	050-759	6063-T5	SEG-749 MILL FINISH
3	SASH TOP & BOTTOM RAIL	050-570	6063-T5	SEG-570 MILL FINISH
4	MAIN FRAME SILL	050-737	6063-T5	SEG-737 MILL FINISH
5	SILL ADAPTER	050-738	6063-T5	SEG-738 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	-----	-----	



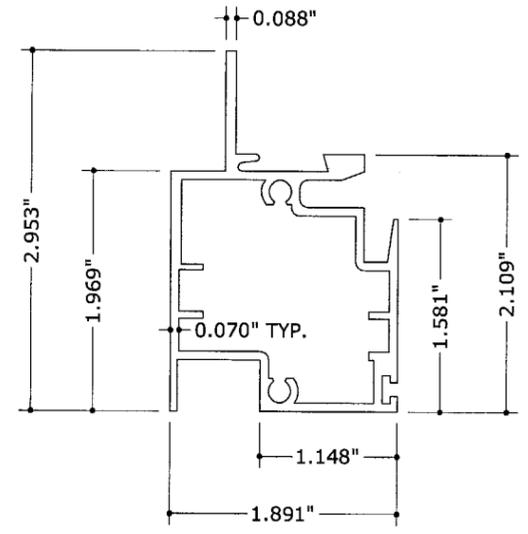
SASH MEETING RAIL
(SEG 051-571)



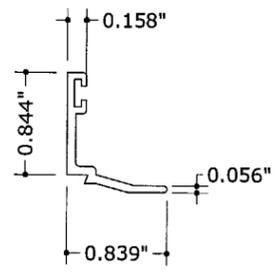
SASH SIDE RAIL
(SEG 051-742)



SASH TOP & BOTTOM RAIL
(SEG 050-570)



MEETING RAIL
(SEG 051-573)



GLAZING BEAD
(SEG 050-759)

PRODUCT REVIEW
go on-going with the Florida
Building Code
Acceptance No. 05-0719.01
Expiration Date 10/13/03
By: *M. Shuck*
Miami Dade Product Control
Division

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

REMARKS	DRWN	CHKD	DATE
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REV 2 - 2004 FCC	CL	FLB	08/22/05

03-0811-113

PAGE SCALE: N.T.S.
DESCRIPTION: