



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908
www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Starline Industries, Inc.
4206 Shannon Drive
Baltimore, Maryland 21213

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series 140 Aluminum Horizontal Sliding Window (OXO)-Steel Reinforced

APPROVAL DOCUMENT: Drawing No. 225, titled "Series 140 Horizontal Sliding Window OXO", sheets 1 through 8 of 8, prepared by manufacture, dated 03/22/03 and last revised on 03-09-2006, signed and sealed by Allen N. Reeves, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval 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 consists of this page 1 and evidence sheets E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



NOA No 04-1202.05
Expiration Date: April 06, 2011
Approval Date: April 06, 2006
Page 1

3/14/6

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **225**, titled "Series 140 Horizontal Sliding Window OXO", sheets 1 through 8 of 8, prepared by manufacture, dated 05/22/03 and last revised on 03-09-2006, signed and sealed by Allen N. Reeves, 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 202-94
5) Large Missile Impact Test per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Hurricane Testing Laboratory, LLC, Test reports No. HTL-0296-0208-02 (Sp# 1 & 4) & HTL-0296-0506-02 (Sp# 2 & 3) signed and sealed by Vinu Abraham, P.E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, prepared by HR Engineering, Inc., dated 10/29/04, 12/07/05 and last revised on 01-10-2006, signed and sealed by Allen M. Reeves, P.E.
2. Glazing complies w/ASTME-1300-98.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

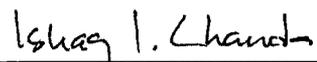
1. Notice of Acceptance No. **01-1204.01** issued to E.I. DuPont DeNemours for "Sentry ® Plus", expiring on 01/14/07.
2. Notice of Acceptance No. **03-0225.10** issued to GlassLam N. G. I. ,dba Nebula Glass Inc. for "Safety Plus II ®", expiring on 01/14/07

F. STATEMENTS

1. Statement letter of conformance dated 11/29/04 and no financial interest, dated 10/15/04, both signed and sealed by Allen M. Reeves, P.E.
2. Statement letter of Lab compliance, part of the above test reports.
3. Addendum letter dated 01-26-2006 issued by Hurricane Testing Lab for above test report, signed and sealed by Vinu Abraham, P.E.

G. OTHER

1. None



Ishaq I. Chanda, P.E.

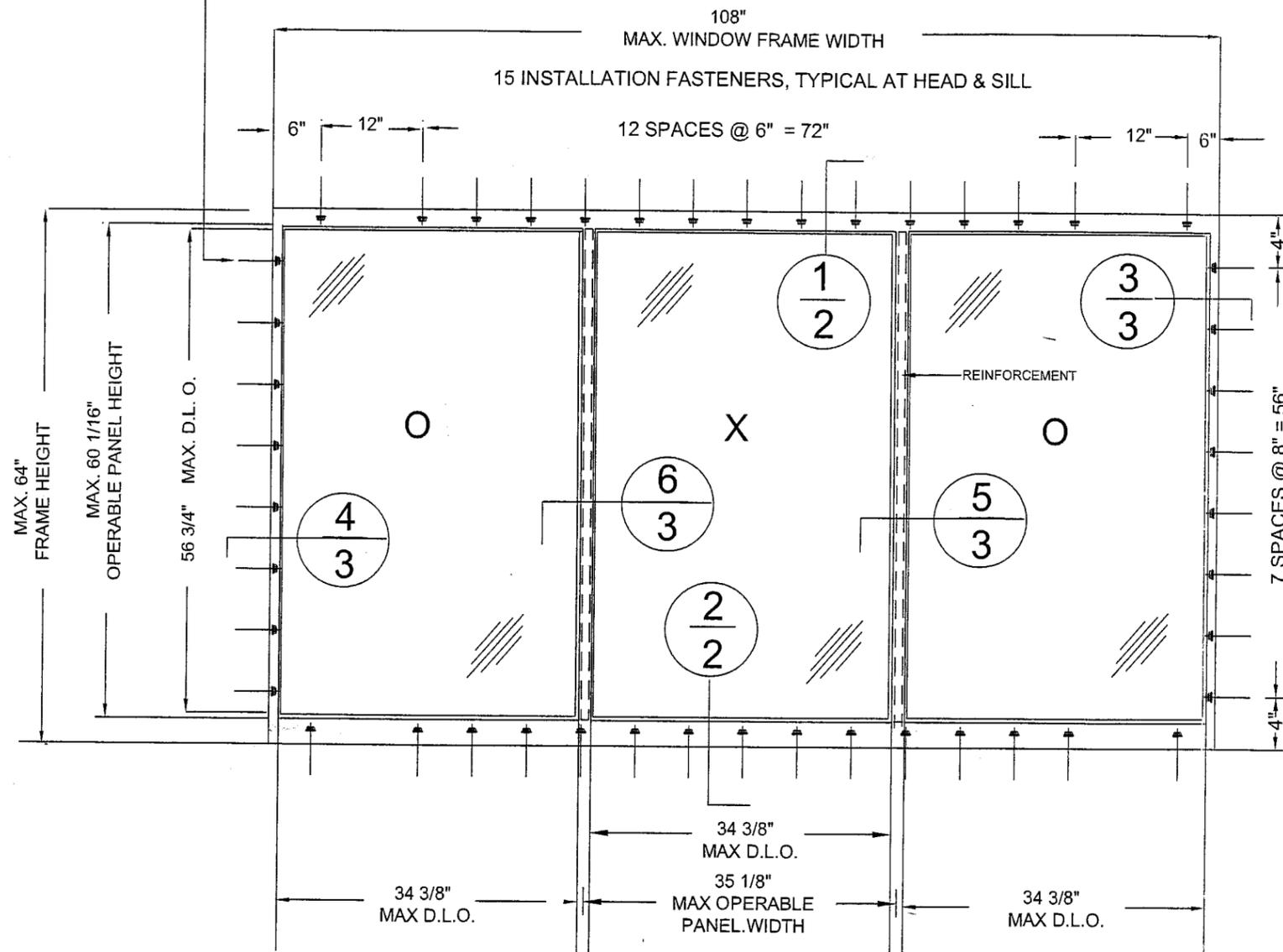
Product Control Examiner

NOA No 04-1202.05

Expiration Date: April 06, 2011

Approval Date: April 06, 2006

FOR TYPES OF INSTALLATION FASTENERS, SEE NOTE ON SHEET 4 OF 8
 FOR LOCATIONS OF INSTALLATION FASTENERS, SEE CROSS SECTIONS ON SHEETS 2 & 3 OF 8



WINDOW ELEVATION VIEW - EXTERIOR

DESIGN PRESSURE RATING WITH GLAZING TYPE "A"
 .590" OVERALL LAMINATED GLASS CONSISTING OF:
 9/16" SENTRY GLASS PLUS LAMINATED
 GLASS (1/4" H.S.) +
 .090 INNER LAYER (SENTRY PLUS BY DUPONT) +
 GLASS (1/4" H.S.) GLASS

POSITIVE	65.0 PSF
NEGATIVE	65.0 PSF

DESIGN PRESSURE RATING WITH GLAZING TYPE "B"
 0.875" Laminated Tempered Glass Consisting Of:
 1/8" Tempered Glass +
 .090 Safety Plus 2 Interlayer by Glass Lam. +
 1/8" Tempered Glass +
 3/8" Airspace +
 1/8" Tempered Glass

POSITIVE	65.0 PSF
NEGATIVE	65.0 PSF

Approved as complying with the
 Florida Building Code
 Date: APR 06, 2006
 NOAH 04-1202-03
 Miami Dade Product Control
 Division
 By: Shag J. Chaudh

STARLINE INDUSTRIES, Inc.
 4206 Shannon Drive
 P.O. Box 4262
 Baltimore, Maryland 21213
 Phone: 410-325-5300
 Fax: 410-483-6204

Revisions

Mark	Date	By
	11/14/05	CB
	01/16/06	CB

SERIES 140 ALUMINUM HORIZONTAL
 SLIDING WINDOW (OXO)

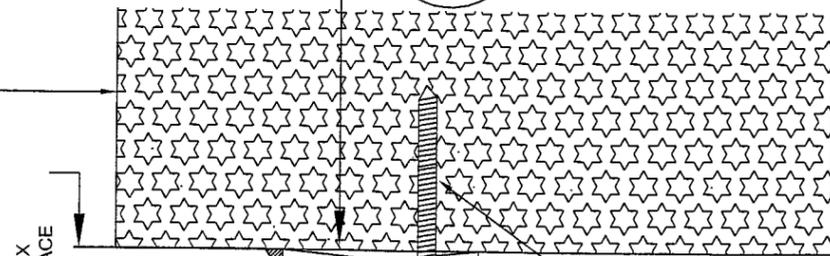
DWG NUMBER:	225
Date:	3-20-2003
Drawn By:	KAH
Checked By:	ANR
Sheet:	1 of 8

Allen H. Reenan
 9 MARCH 2006

STIFF RIGID SHIM TO BE PROVIDED AT EACH INSTALLATION FASTENER

1
2

SEE NOTE FOR TYPES OF SUBSTRATE SHEET 4 OF 8

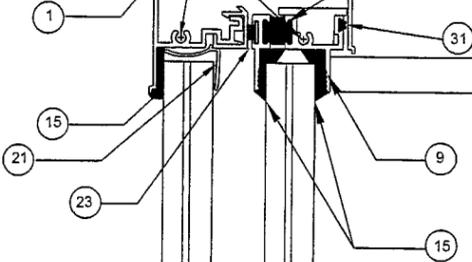


SEE NOTE FOR INSTALLATION FASTENERS SHEET 4 OF 8
SEE ELEVATION VIEW FOR SPACING SHEET 1 OF 8

1/4" MAX SHIM SPACE

EXTERIOR

MAX WINDOW FRAME HEIGHT 64"



MAX. D.L.O. 56 3/4"

MAX. VENT HEIGHT 60 1/16"

INTERIOR

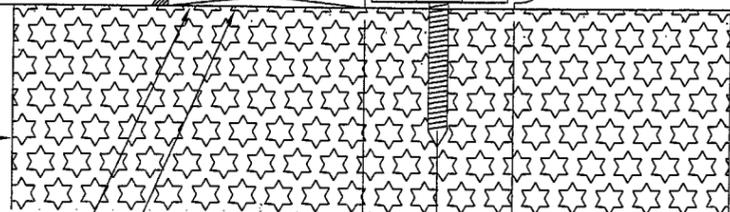
GLAZING TYPE "A" SHOWN HERE, SEE SHEET 7 OF 8 FOR DETAILS AND GLAZING TYPE "B"

1/4" MAX SHIM SPACE

SEE NOTE FOR TYPES OF SUBSTRATE SHEET 4 OF 8

STIFF RIGID SHIM

2
2

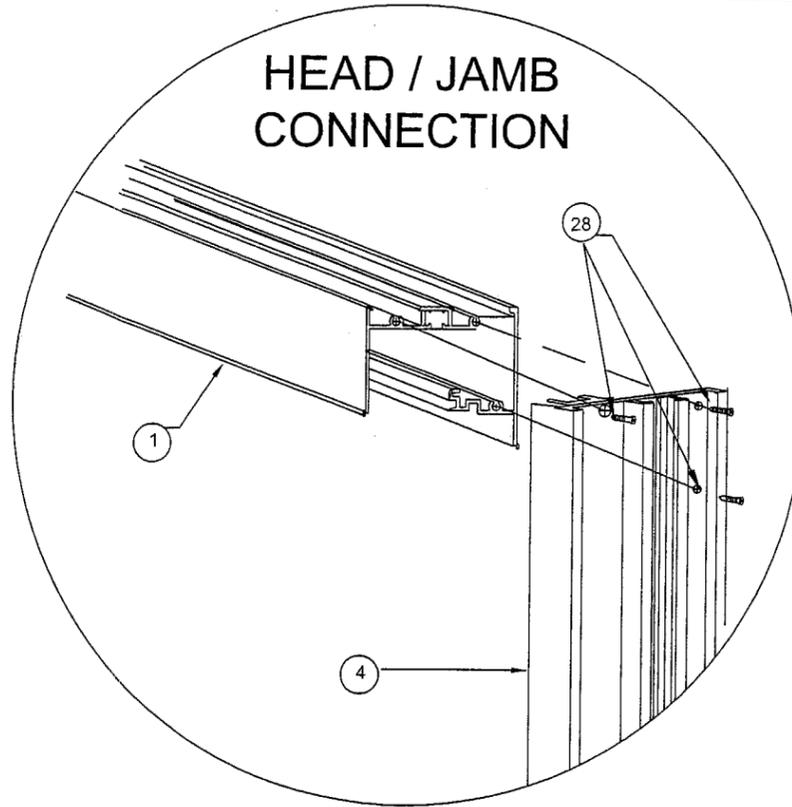


3.938" SILL HEIGHT

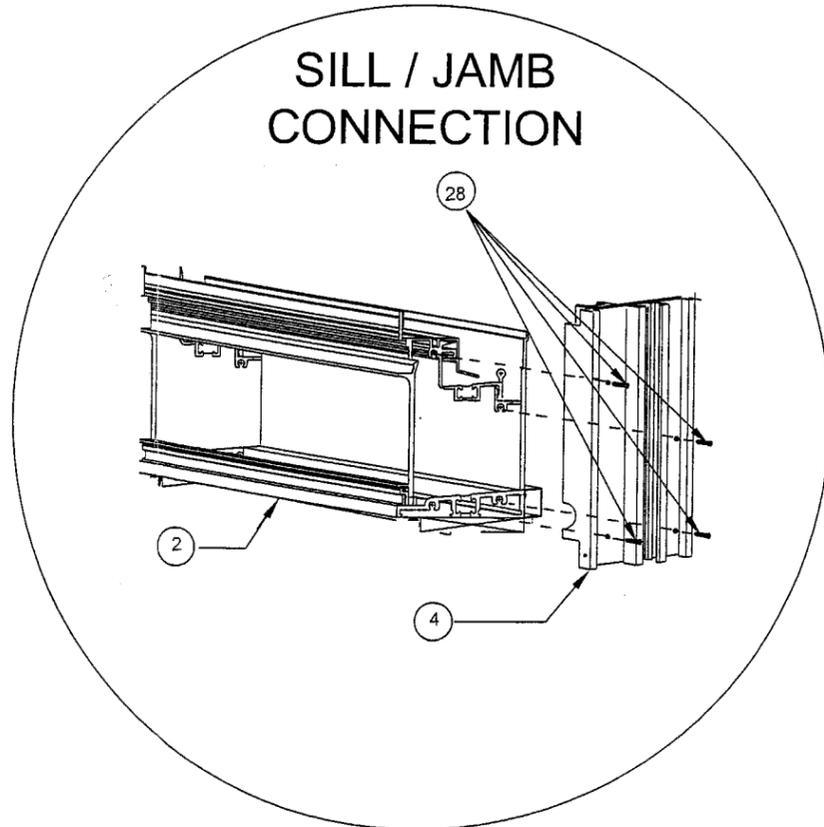
SEE NOTE FOR INSTALLATION FASTENERS SHEET 4 OF 8
SEE ELEVATION VIEW FOR SPACING SHEET 1 OF 8

0.832 0.832

HEAD / JAMB CONNECTION



SILL / JAMB CONNECTION



Approved as complying with the Florida Building Code
Date: APRIL 06, 2006
NOA# 04-1202.05
Miami Dade Product Control Division
By: Ishag J. Chand

VERTICAL CROSS SECTIONS

Allen N. Rivera
9 MARCH 2006

STARLINE INDUSTRIES, Inc.
4206 Shannon Drive
P.O. Box 4262
Baltimore, Maryland 21213
Phone: 410-325-5300
Fax: 410-483-6204



Revisions		
Mark	Date	By
	11/14/05	CB
	01/16/06	CB

SERIES 140 ALUMINUM HORIZONTAL SLIDING WINDOW (OXO)

DWG. NUMBER:	225
Date:	3-20-03
Drawn By:	KAH
Checked By:	ANR
Sheet:	2 of 8

STIFF, RIDGID SHIM TO BE PROVIDED AT EACH INSTALLATION FASTENER

SEE NOTE FOR TYPES OF SUBSTRATE SHEET 4 OF 8

SEE NOTE FOR INSTALLATION FASTENERS SHEET 4 OF 8
SEE ELEVATION VIEW FOR SPACING SHEET 1 OF 8

1/4" MAX SHIM SPACE

SINGLE SASH LOCK LOCATED AT MIDHEIGHT OF SASH

INTERIOR

35 1/4" MAX OPERABLE PANEL WIDTH

SEE NOTE FOR TYPES OF SUBSTRATE SHEET 4 OF 8

SEE NOTE FOR INSTALLATION FASTENERS SHEET 4 OF 8
SEE ELEVATION VIEW FOR SPACING SHEET 1 OF 8

1/4" MAX SHIM SPACE

MULL CAP ABOVE

34 3/8" MAX. D.L.O.

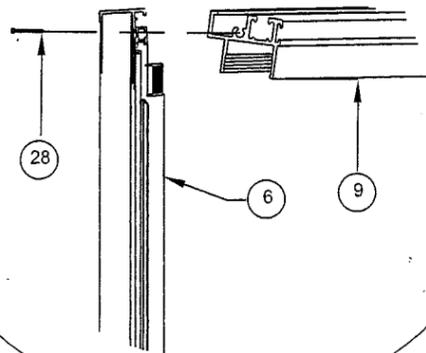
34 3/8" MAX. D.L.O.

108" MAX. WINDOW FRAME WIDTH

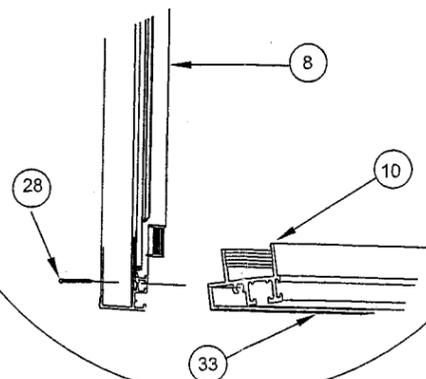
EXTERIOR

HORIZONTAL CROSS SECTION

VENT TOP RAIL / LOCK JAMB CONNECTION



VENT BOTTOM RAIL / INTERLOCK JAMB CONNECTION



STARLINE INDUSTRIES, Inc.
4206 Shannon Drive
P.O. Box 4262
Baltimore, Maryland 21213
Phone: 410-325-5300
Fax: 410-483-6204



Revisions		
Mark	Date	By
	11/14/05	CB
	01/16/06	CB

SERIES 140 ALUMINUM HORIZONTAL SLIDING WINDOW (OXO)

DWG. NUMBER	225
Date:	3-20-2003
Drawn By:	KAH
Checked By:	ANR
Sheet:	3 of 8

Approved as complying with the Florida Building Code
Date: APR 06 2006
NOA# 04-1202-05
Miami Dade Product Control Division
By: Susan J. Chant

Allen N. Reenan
9 MARCH 2006

BILL OF MATERIALS

ITEM	NAME	PART NO.	ALLOY/TEMP	COMMENTS
1	HEAD	100	6063-T5	SWP-603.8
2	SILL	155	6063-T5	SWP-603.8
3	SILL INSERT	142	6063-T5	SWP-603.8
4	JAMB	102	6063-T5	SWP-603.8
5	VENT JAMB STILE	106	6063-T5	SWP-603.8
6	VENT LOCK STILE	137	6063-T5	SWP-603.8
7	KEEPER INTERLOCK STILE	151	6063-T5	SWP-603.8
8	JAMB INTERLOCK STILE	103	6063-T5	SWP-603.8
9	TOP VENT RAIL	105	6063-T5	SWP-603.8
10	BOTTOM VENT RAIL	105	6063-T5	SWP-603.8
11	7/8 GLAZING VINYL	1501	NEOPRENE	PROTO-TYPE
12	ROLLER TRACK CAP	1534	S/S	JOHNSTON BROTHERS
13	THERMAL BREAK			URETHANE
14	SHEAR BLOCK	609	6063-T5	MILL FINISH
15	SILICONE SEALANT			DOW-CORNING 995
16	SETTING BLOCKS	1535	80/90 DUROMETER NEOPRENE	1/8" X 1" X 2"
17	L CLIP MINIMUM 6" LONG	215		STARLINE
18	STILE REINFORCEMENT	1000	Steel Fy = 36 ksi	3/4" X 1 3/4" Full Length
19	MULL CAP	1531		COVER OVER REINFORCEMENT SLOT
20	STILE COVER	1504		MOR-X PLASTIC
21	9/16 GLAZING BEAD	1500	RIGID VINYL	MOR-X PLASTIC
22	POLY SPACER	1507		PROTO-TYPE VINYL
23	WEATHERSTRIPING	1516		Schlegel 7515-6611-6
24	WEEP COVERS	1611		P.D.D.I.
25	SILL END SEAL			LAMATEC
26	SASH LOCK		6063-T5	STARLINE
27	SCREW			#8x7/8" PFH
28	SCREW			#8x1-1/4" PPH
29	SCREW			#8x1" PPH
30	SCREW			#10 x 3/4 PH Tek
31	VINYL ISOLATOR	1529		PROTO-TYPE VINYL
32	SETTING BLOCKS	1535	80/90 DUROMETER NEOPRENE	1/8" X 5/8" X 2"
33	SASH ROLLERS	1605		Seastrom S/S
34	7/8" GLAZING SPACER	INSULATED GLASS SPACER BY GLASSLAM		

NOTES:

TYPES OF SUBSTRATE:
1) MASONRY BLOCK 2) WOOD FRAME 3) STEEL 4) CONCRETE
FINISH :
1) STANDARD WHITE PAINT 2) DARK BRONZE ANNOXIDIZED 3) CLEAR ANODIZED
GLAZING:
TYPE A OR B - SEE SHEET 1 OF 8
INSTALLATION FASTENERS:
1) WOOD - #14 (1/4" DIAMETER) X 4" WOOD SCREWS MINIMUM 2 1/2" EMBEDMENT .975 EDGE DISTANCE (EITHER 2 - 2 X OR 2 1/2" MINIMUM SOLID WOOD).
2) STEEL - #14 (1/4" DIAMETER) X 1 1/2" SELF DRILLING SCREWS - MINIMUM .220" THICK SUBSTRATE.
3) CONCRETE & MASONRY - 1/4" DIAMETER X 2 3/4" TAPCONS BY ITW BUILDEX MINIMUM 1 1/4" EMBEDMENT / 2 1/2" EDGE DISTANCE.
4) NO ALLOWABLE INCREASE FOR WIND LOAD DURATION HAS BEEN USED WITH INSTALLATION FASTENERS, WITH THE EXCEPTION OF WOOD WHERE A 1.6 DURATION FACTOR WAS USED.

Approved as complying with the
Florida Building Code
Date APRIL 06, 2006
NOA# 04-1202-05
Miami Dade Product Control
Division
By Iskay J. Chavala

STARLINE INDUSTRIES, Inc.
4206 Shannon Drive
P.O. Box 4262
Baltimore, Maryland 21213
Phone: 410-325-5300
Fax: 410-483-6204



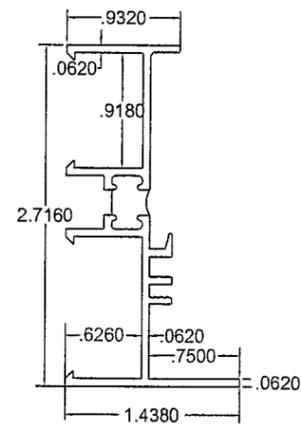
Revisions		
Mark	Date	By
	11/14/05	CB
	01/16/06	CB

SERIES 140 ALUMINUM HORIZONTAL
SLIDING WINDOW (OXO)

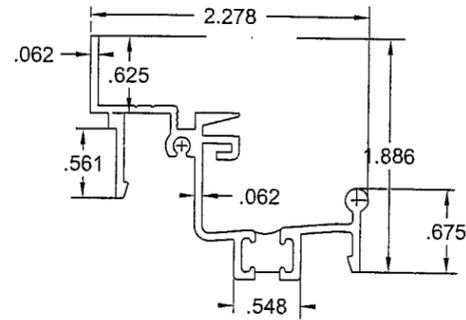
DWG. NUMBER	225
Date:	3-20-2003
Drawn By:	KAH
Checked By:	ANR
Sheet:	4 of 8

Allen D. Reeves
9 MARCH 2006

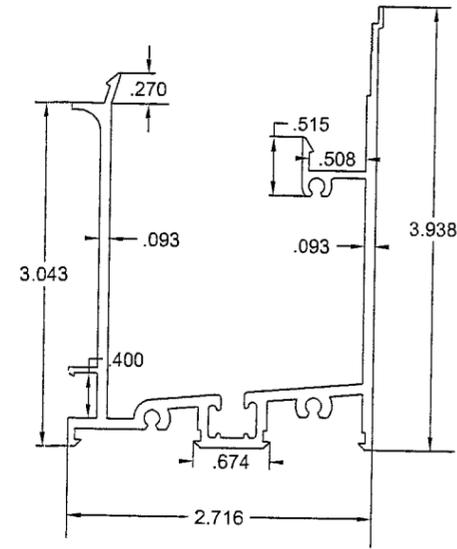
DIMENSIONS: ALL DIMENSIONS SHOWN ON THIS SHEET ARE IN INCHES.



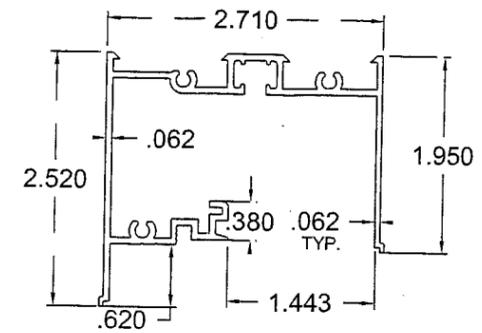
4 JAMB



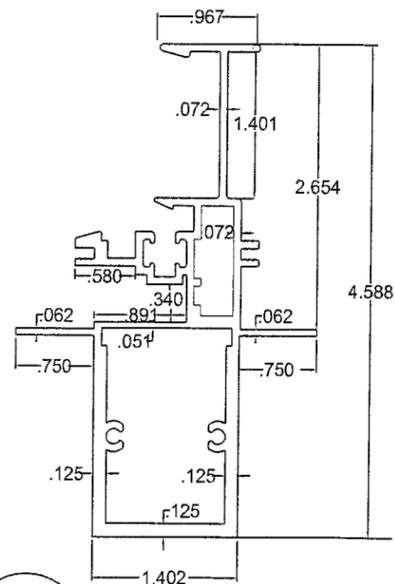
3 SILL INSERT



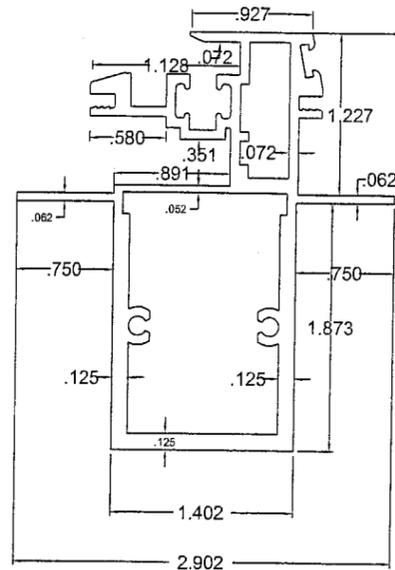
2 SILL



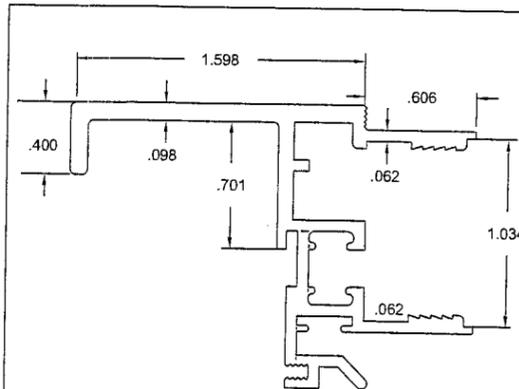
1 HEAD



8 JAMB INTERLOCK STILE



7 KEEPER INTERLOCK STILE



6 VENT LOCK STYLE

Approved as complying with the
Florida Building Code
Date: APRIL 06, 2006
NOA# 04-1202-06
Miami Dade Product Control
Division
By: Ishag I. Chande

STARLINE INDUSTRIES, Inc.
4206 Shannon Drive
P.O. Box 4262
Baltimore, Maryland 21213
Phone: 410-325-5300
Fax: 410-483-6204



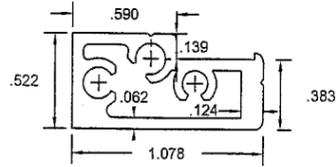
Revisions		
Mark	Date	By
	11/14/05	CB
	01/16/06	CB

SERIES 140 ALUMINUM HORIZONTAL
SLIDING WINDOW (OXO)

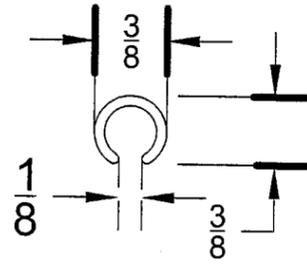
DWG. NUMBER	225
Date:	3-20-2003
Drawn By:	KAH
Checked By:	ANR
Sheet:	5 of 8

Allen N. Remer
9 MARCH 2006

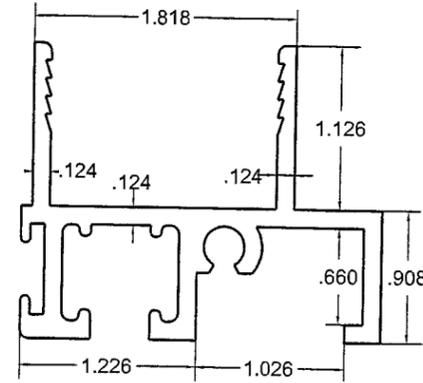
DIMENSIONS: ALL DIMENSIONS SHOWN ON THIS SHEET ARE IN INCHES.



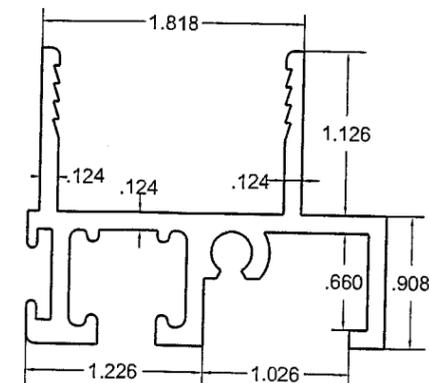
14 SHEAR BLOCK



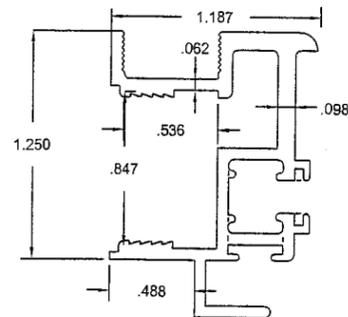
12 ROLLER TRACK CAP



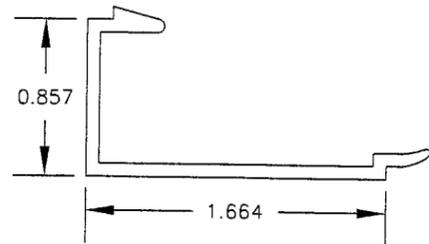
10 BOTTOM VENT RAIL



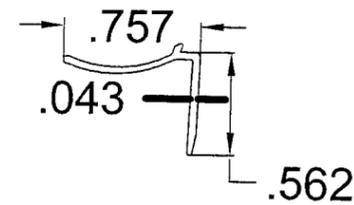
9 TOP VENT RAIL



5 VENT JAMB STYLE



17 L CLIP



21 9/16" GLAZING BEAD

Approved as complying with the
 Florida Building Code
 Date: APRIL 06, 2006
 NOA# 011-1202-06
 Miami Dade Product Control
 Division
 By: Shag J. Lhanda

STARLINE INDUSTRIES, Inc.
 4206 Shannon Drive
 P.O. Box 4262
 Baltimore, Maryland 21213
 Phone: 410-325-5300
 Fax: 410-483-6204



Revisions

Mark	Date	By
	11/14/05	CB
	01/16/06	CB

SERIES 140 ALUMINUM HORIZONTAL SLIDING WINDOW (OXO)

DWG. NUMBER

225

Date:

2-02-04

Drawn By:

KAH

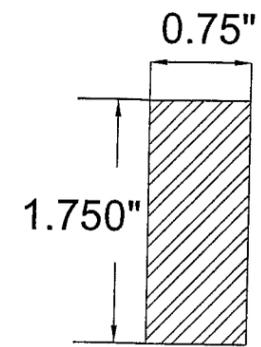
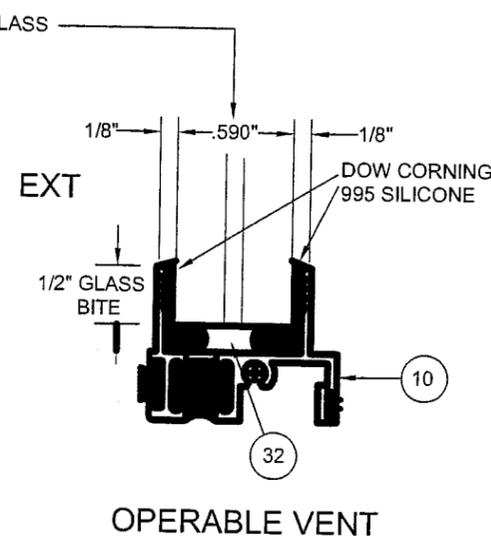
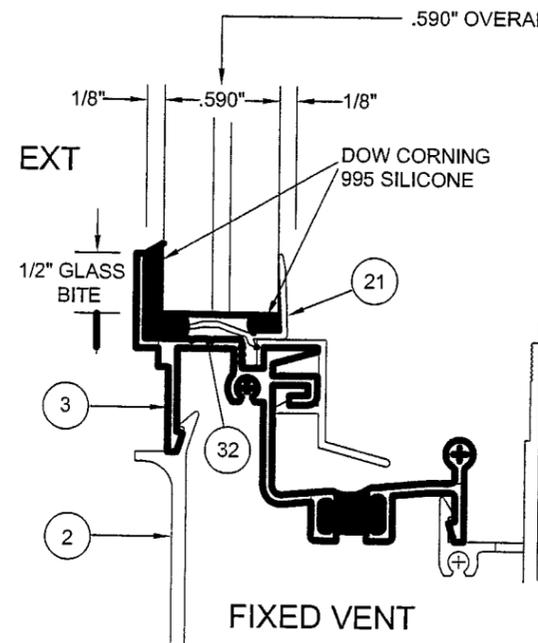
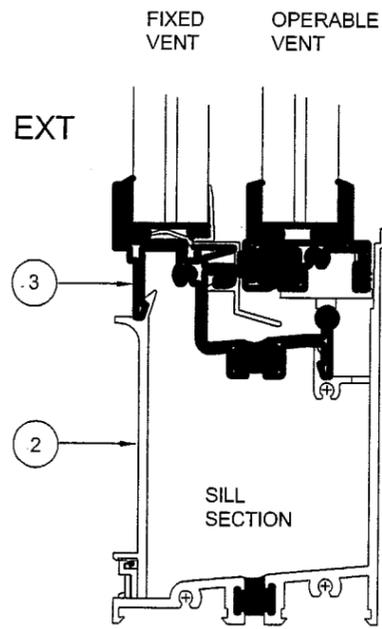
Checked By:

ANR

Sheet:

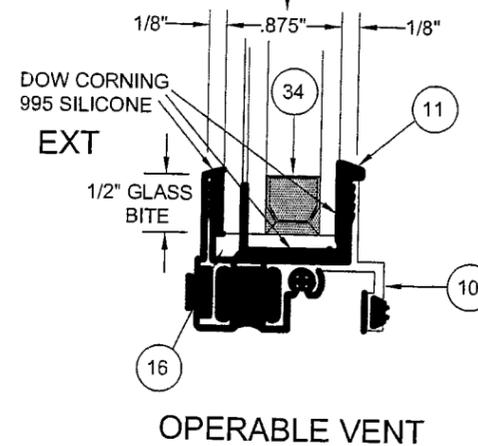
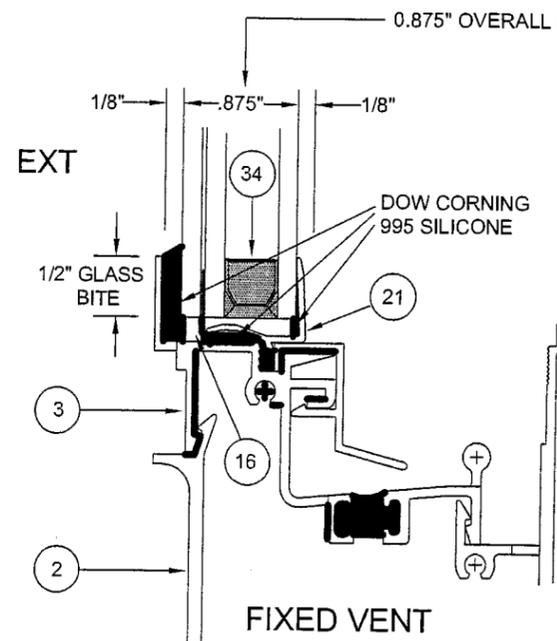
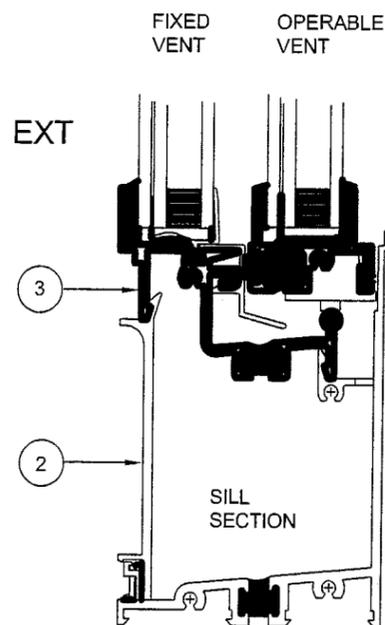
6 of 8

Allen M. Reaman
 9 MARCH 2006



18 STEEL REINFORCEMENT

GLAZING TYPE "A" DETAILS (SINGLE PANE GLASS)



Approved as complying with the
 Florida Building Code
 Date APRIL 06, 2006
 NOAH 04-1202-05
 Miami Code Product Control
 Division
 By (Slugg). Chanda

GLAZING TYPE "B" DETAILS (INSULATED GLASS)

STARLINE INDUSTRIES, Inc.
 4206 Shannon Drive
 P.O. Box 4262
 Baltimore, Maryland 21213
 Phone: 410-325-5300
 Fax: 410-483-6204



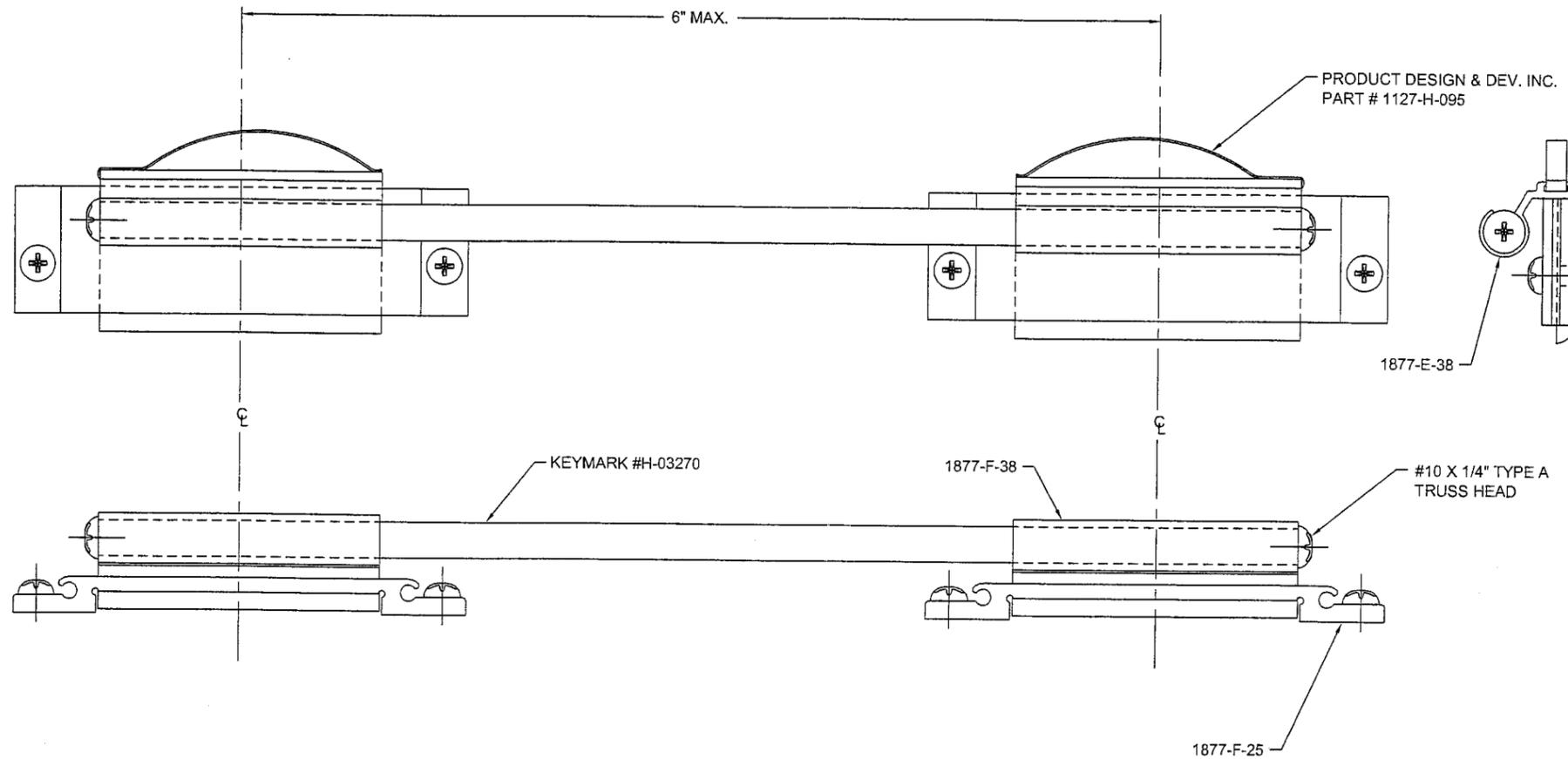
Revisions

Mark	Date	By
	11/14/05	CB
	01/16/06	CB

SERIES 140 ALUMINUM HORIZONTAL SLIDING WINDOW (OXO)

DWG. NUMBER	225
Date:	3-20-2003
Drawn By:	KAH
Checked By:	ANR
Sheet:	7 of 8

Allen G. Reese
 9 MARCH 2006



Approved as complying with the
 Florida Building Code
 Date APRIL 06, 2006
 NOA# 04-1202-05
 Miami Dade Product Control
 Division
 By Shaqi. Chanda

26 SASH LOCK ASSEMBLY

STARLINE INDUSTRIES, Inc.
 4206 Shannon Drive
 P.O. Box 4262
 Baltimore, Maryland 21213
 Phone: 410-325-5300
 Fax: 410-483-6204



Revisions		
Mark	Date	By
	11/14/05	CB
	01/16/06	CB

SERIES 140 ALUMINUM HORIZONTAL
 SLIDING WINDOW (OXO)

DWG. NUMBER	225
Date:	5-22-03
Drawn By:	KAH
Checked By:	ANR

Sheet: 8 of 8

Allen N. Reese
 9 MARCH 2006