



MIAMI-DADE COUNTY
 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.miamidade.gov/buildingcode

Custom Window System Inc.
 1900 S. W. 44th Ave.
 Ocala, Florida, 34474

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 "8900" Vinyl (PVC) Sliding Glass Door W/ Reinforcements-L. M. Impact

APPROVAL DOCUMENT: Drawing No. CWS-300, titled "8900 Series PVC SGD", sheets 1 through 8 of 8, prepared by manufacturer, dated 05/21/09 and last revised on 05-25-2009, signed and sealed by Luis R. Lomas, 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 page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



NOA No 08-0811.04
 Expiration Date: June 24, 2014
 Approval Date: June 24, 2009
 Page 1

6/3/09

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections
2. Drawing No. **CWS-300**, titled "8900 Series PVC SGD", sheets 1 through 8 of 8, prepared by manufacturer, dated 05/21/09 and last revised on 05-25-2009, signed and sealed by L. Roberto Lomas, 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, TAS 202-94
 - 5) Large Missile Impact Test per FBC, TAS 201-94,
 - 6) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of PVC sliding glass door, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-210-3506-1**, dated 03/13/08, signed and sealed by Jerard J. Ferrara, P.E.

C. CALCULATIONS

1. Anchor verification calculations dated 06/11/08 and last revised on 05-27-2009, prepared, signed and sealed by Luis R. Lomas, P.E.
2. Complies with ASTM-E1300-02 &-04

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **07-1116.04** issued to E.I. DuPont De Nemours & CO., Inc. for "DuPont SentryGlas ® Plus", expiring on 01/14/2012.
2. Notice of Acceptance No. **06-1220.01**, issued to Spectus Systems-A Mikron Company "White PVC Rigid", expiring on 12/26/11.

F. STATEMENTS

1. Statement letters of Compliance and "no financial interest", dated 06/04/08, signed and sealed by Luis R. Lomas, P.E.
2. Statement letter of lab compliance, part of the above referenced test reports.

G. OTHER

1. None

Ishaq I. Chanda

Ishaq I. Chanda, P.E.

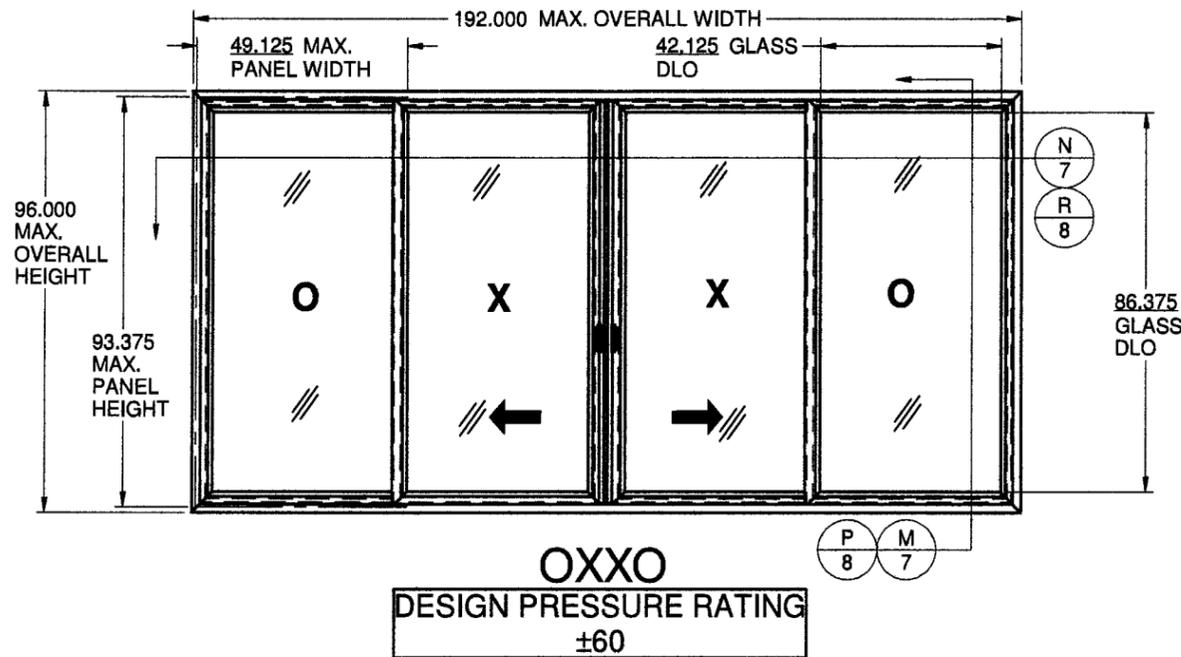
Product Control Examiner

NOA No 08-0811.04

Expiration Date: June 24, 2014

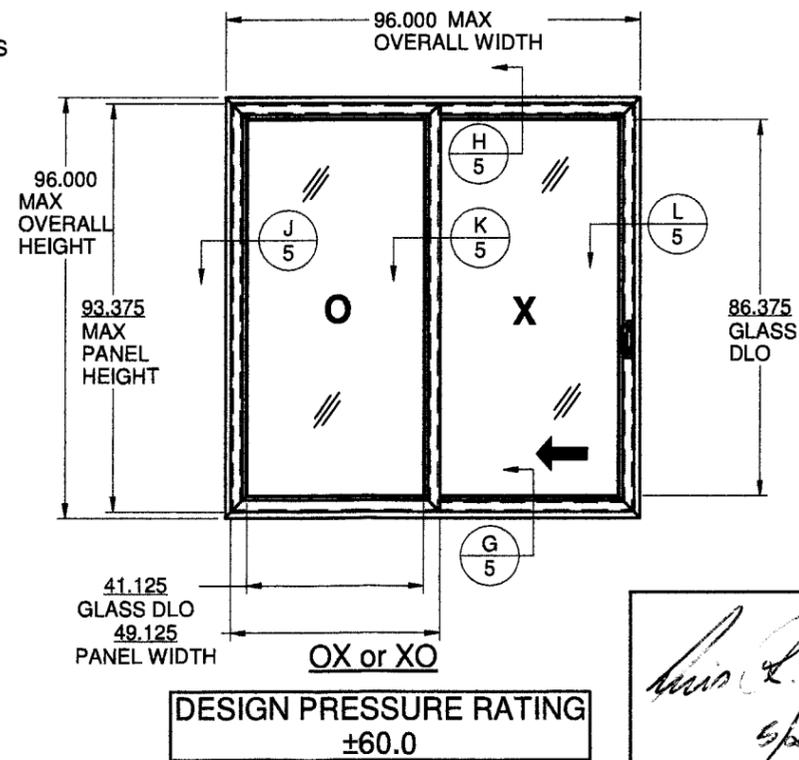
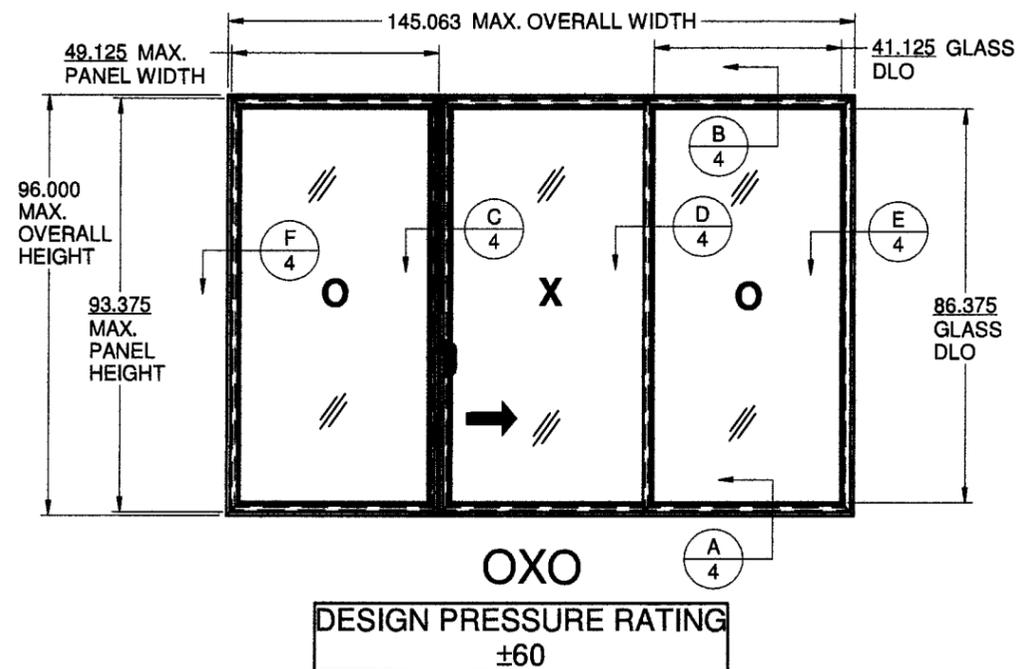
Approval Date: June 24, 2009

SLIDING GLASS DOOR - (LARGE MISSILE IMPACT)



PVC IMPACT REQUIREMENT:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE, CURRENT EDITION.
2. GLAZING DETAIL: (SEE SHEET 3)
3. APPROVED CONFIGURATIONS: "OXXO", "OXO", "XO", "OX"
4. DESIGN PRESSURES:
-NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-02 & -04
-POSITIVE DESIGN LOADS BASED ON TESTED PRESSURE, WATER INFILTRATION TEST PRESSURE, AND GLASS TABLES ASTM E 1300-02 & -04.
5. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEETS 7-8 FOR ANCHOR DETAIL.
7. ALL FRAMES ARE PROCESSED AND SCREWED TOGETHER. VENTS FULLY WELDED.
8. REFERENCE TEST REPORTS: CTL-210-3506-1, NCTL-210-3506-2, NCTL-210-3507-1
9. SERIES / MODEL DESIGNATION: SGD-8900.
10. 1x OR 2x WOOD BUCK OR STUD FRAMING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE, BUCK OR FRAMING IS RESPONSIBILITY OF ARCHITECT OR ENGINEER OF RECORD.
11. THE DESIGNATION X AND O STAND FOR THE FOLLOWING: X=OPERABLE SASH, O=FIXED SASH.
12. SECTION CALLOUTS APPLY TO ALL CONFIGURATIONS.



Approved as complying with the Florida Building Code
Date JUNE 24, 2009
NOA# 08-0811.04
Miami Dade Product Control Division
By Ishag I. Choude

L. Roberto Lomas
5/25/09
L. ROBERTO LOMAS
FL. P.E. NO. 82514

Custom WINDOW SYSTEMS
1900 SW 44TH AVE.
OCALA, FLORIDA 34474

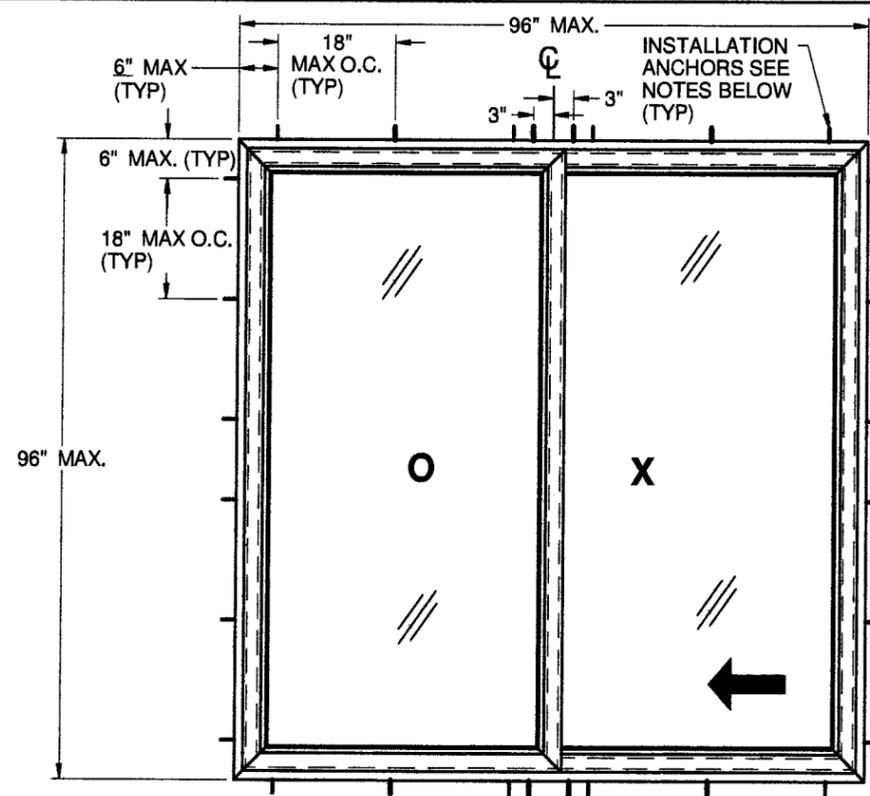
TITLE: GENERAL NOTES & ELEVATION -LARGE MISSILE IMPACT

SERIES: 8900	DRAWN BY: AAJ	DATE: 5/21/2009
MODEL: PVC SGD	SCALE: NTS	DWG. NO.: CWS-300
	REV. LETTER: C	SHEET: 1 OF 8

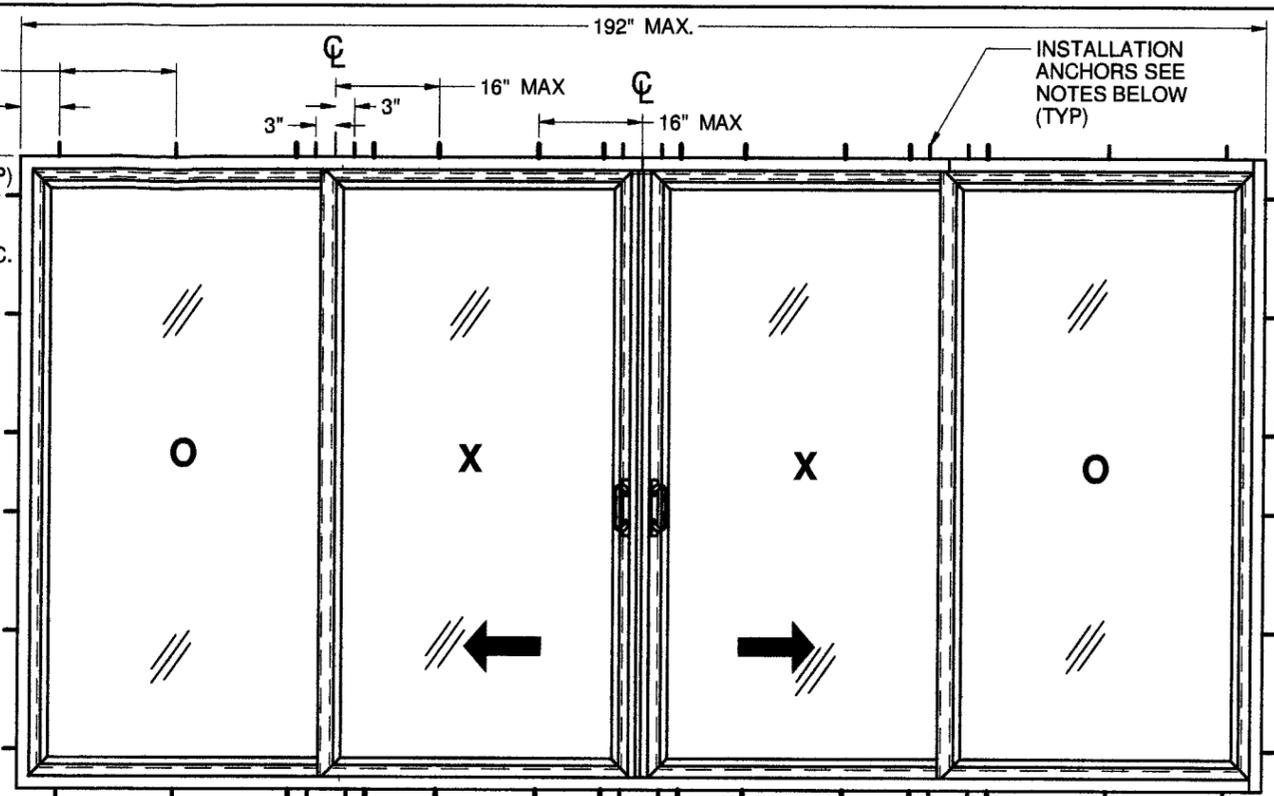
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- GENERAL NOTES & ELEVATIONS.....1
- ANCHOR SCHEDULE & NOTES.....2
- OXXO SECTION VIEWS.....3
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- OX & XO SECTION VIEWS.....5
- EXTRUSIONS & B.O.M.....6
- INSTALLATION DETAILS.....7-8

REV	DESCRIPTION OF CHANGE	DATE
C	ANCHOR LAYOUT, X-SECTIONS PER MIAMI/DADE	05/21/09
B	UPDATED BOM, VIEWS PER MIAMI-DADE	01/13/09
A	UPDATED PER MIAMI-DADE	XX/XX/XX



ANCHOR LAYOUT
THRU FRAME (MASONRY OR WOOD)



ANCHOR LAYOUT
THRU FRAME (MASONRY OR WOOD)
SAME FOR OXO UNITS (MAX. 145")

NOTES:

1. INSTALL TWO ANCHORS AT EACH LOCATION.
2. SHIM AS REQ'D AT EACH SET OF INSTALLATION ANCHORS USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT.
3. LOAD BEARING SHIMS SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER. WOOD SHIMS ARE NOT ALLOWED.
4. 3/16" DIA. ELCO TAPCON MASONRY ANCHORS MUST BE OF SUFFICIENT LENGTH TO ACHIEVE A MIN. EMBEDMENT OF 1 1/4" INTO MASONRY THRU FRAME OR THRU 1 BY WOOD BUCK INTO MASONRY. A MINIMUM EDGE DISTANCE OF 2 1/2" SHALL BE ACHIEVED.
5. #10 DIA. WOOD SCREW ANCHORS MUST BE OF SUFFICIENT LENGTH TO ACHIEVE A MIN. EMBEDMENT OF 1 1/2" INTO 2 BY WOOD BUCK, OR FRAMING.
6. SEAL CORNERS WITH SMALL JOINT SEAM SEALANT.
7. ALL INSTALLATION ANCHORS MUST BE MADE OF A CORROSION RESISTANT MATERIAL OR COATING. DISSIMILAR MATERIALS MUST BE PROTECTED TO PREVENT REACTIONS.
8. INSTALLATION ANCHORS SHALL BE IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW.
9. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIAL WITH THE FOLLOWING PROPERTIES:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,200 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
10. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS.

Approved as complying with the
Florida Building Code
Date JUNE 24, 2009
NOAH 08-0811-04
Miami Dade Product Control
Division
By Ismael L. Chan

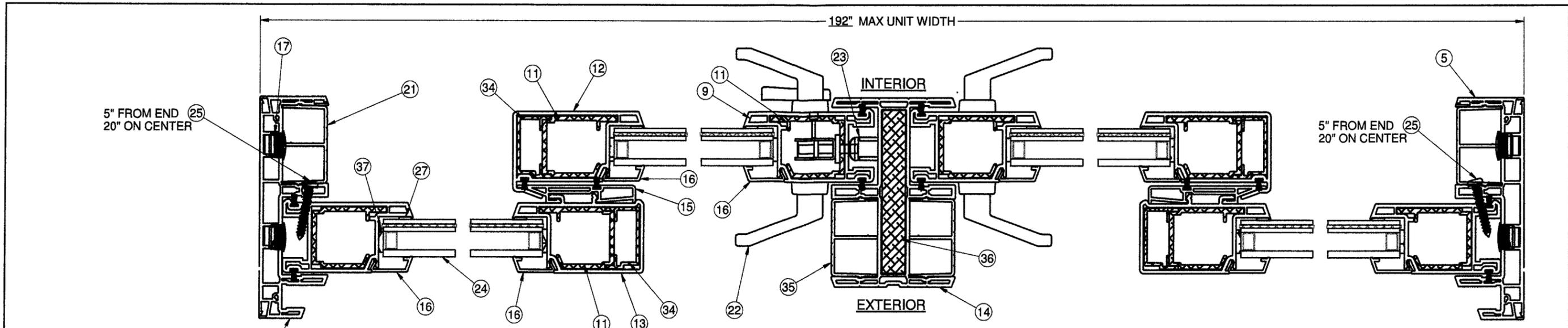
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B	UPDATED BOM, VIEWS PER MIAMI-DADE	01/13/09
A	UPDATED PER MIAMI-DADE	XX/XX/XX
REV	DESCRIPTION OF CHANGE	DATE

Roberto Lomas
5/25/09
L. ROBERTO LOMAS
FL. P.E. NO. 62514

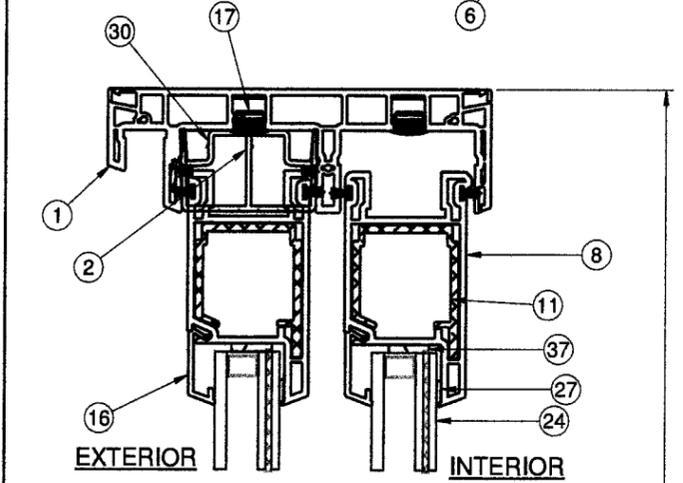
Custom
WINDOW SYSTEMS
1900 SW 44TH AVE.
OCALA, FLORIDA 34474

TITLE: ANCHOR SCHEDULE & NOTES -LARGE MISSILE IMPACT

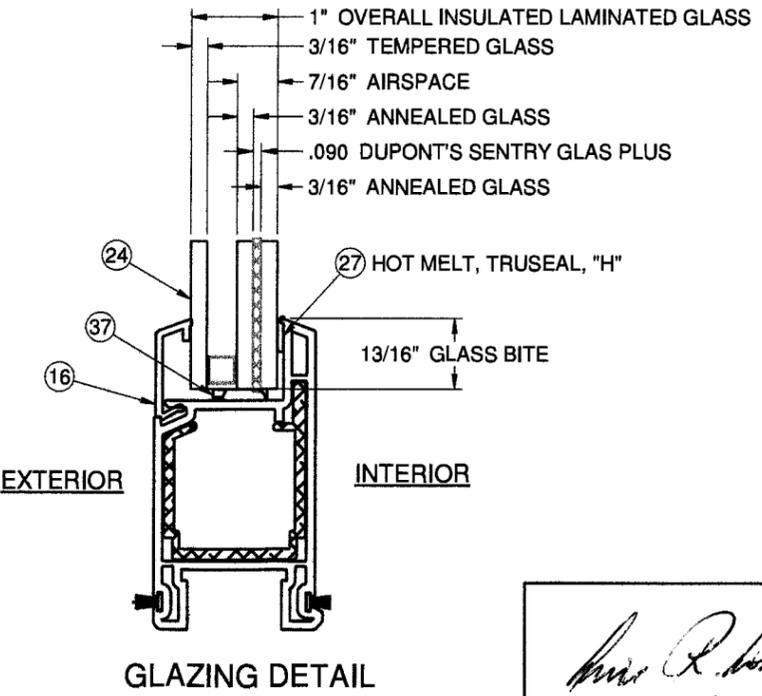
SERIES: 8900	DRAWN BY: AAJ	DATE: 5/21/2009
MODEL: PVC SGD	SCALE: NTS	DWG. NO.: CWS-300
	REV. LETTER: C	SHEET: 2 OF 8



TYPICAL HORIZONTAL SECTION
(OXXO)



TYPICAL VERTICAL SECTION



GLAZING DETAIL

Approved as complying with the
Florida Building Code
Date JUN 24, 2009
NOA# 08-0511.04
Miami Dade Product Control
Division
By Ishag L. Chandra

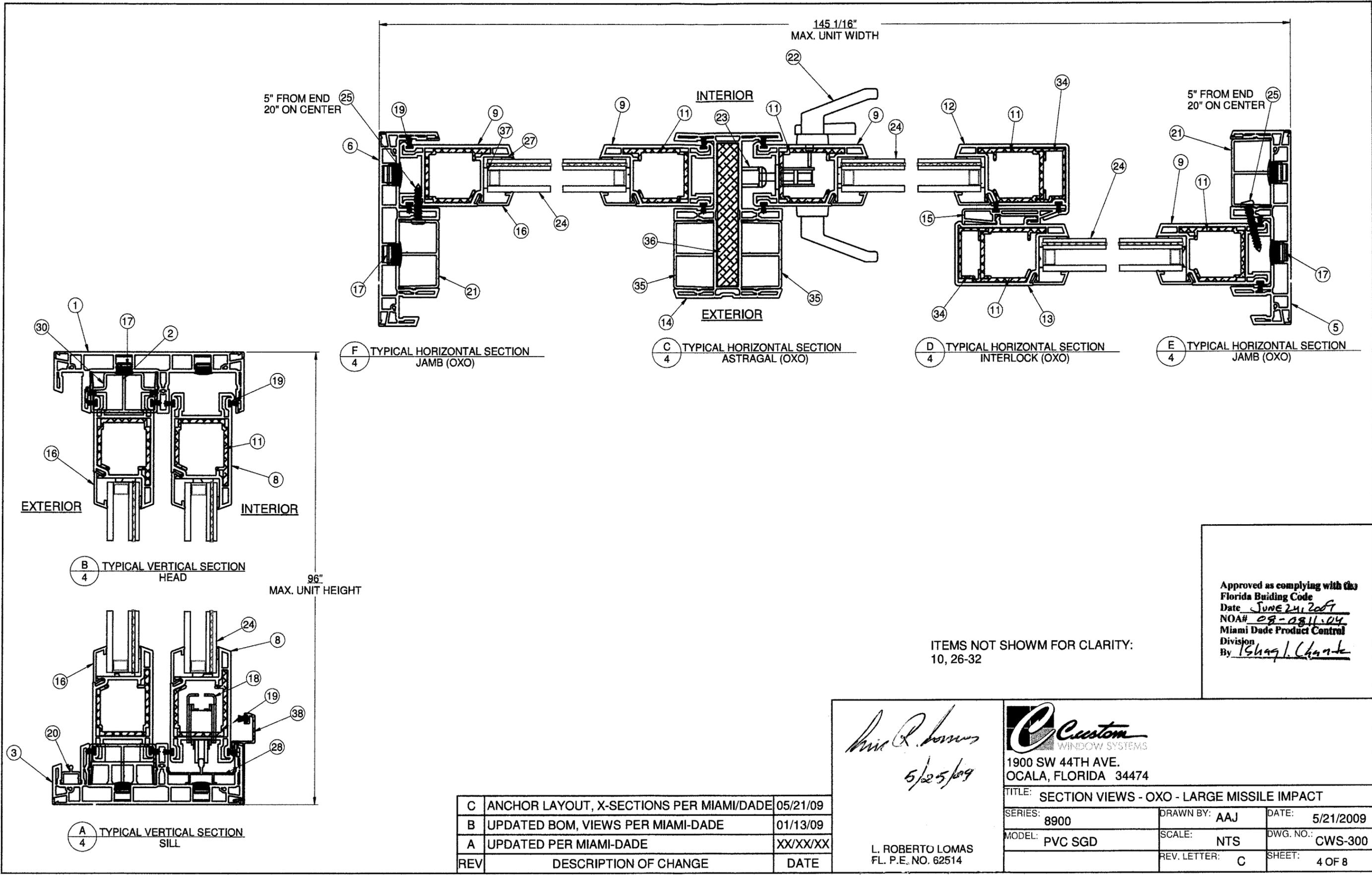
REV	DESCRIPTION OF CHANGE	DATE
C	ANCHOR LAYOUT, X-SECTIONS PER MIAMI/DADE	05/21/09
B	UPDATED BOM, VIEWS PER MIAMI-DADE	01/13/09
A	UPDATED PER MIAMI-DADE	XX/XX/XX

Roberto Lomas
5/25/09
L. ROBERTO LOMAS
FL. P.E. NO. 82514

Custom
WINDOW SYSTEMS
1900 SW 44TH AVE.
OCALA, FLORIDA 34474

TITLE: SECTION VIEWS, OXXO - LARGE MISSILE IMPACT

SERIES: 8900	DRAWN BY: AAJ	DATE: 5/21/2009
MODEL: PVC SGD	SCALE: NTS	DWG. NO.: CWS-300
	REV. LETTER: C	SHEET: 3 OF 8



5" FROM END
20" ON CENTER

145 1/16"
MAX. UNIT WIDTH

5" FROM END
20" ON CENTER

F
4 TYPICAL HORIZONTAL SECTION
JAMB (OXO)

C
4 TYPICAL HORIZONTAL SECTION
ASTRAGAL (OXO)

D
4 TYPICAL HORIZONTAL SECTION
INTERLOCK (OXO)

E
4 TYPICAL HORIZONTAL SECTION
JAMB (OXO)

B
4 TYPICAL VERTICAL SECTION
HEAD

96"
MAX. UNIT HEIGHT

A
4 TYPICAL VERTICAL SECTION
SILL

ITEMS NOT SHOWN FOR CLARITY:
10, 26-32

Approved as complying with the
Florida Building Code
Date JUNE 24, 2009
NOA# 08-0811-04
Miami Dade Product Control
Division
By Ishag I. Chande

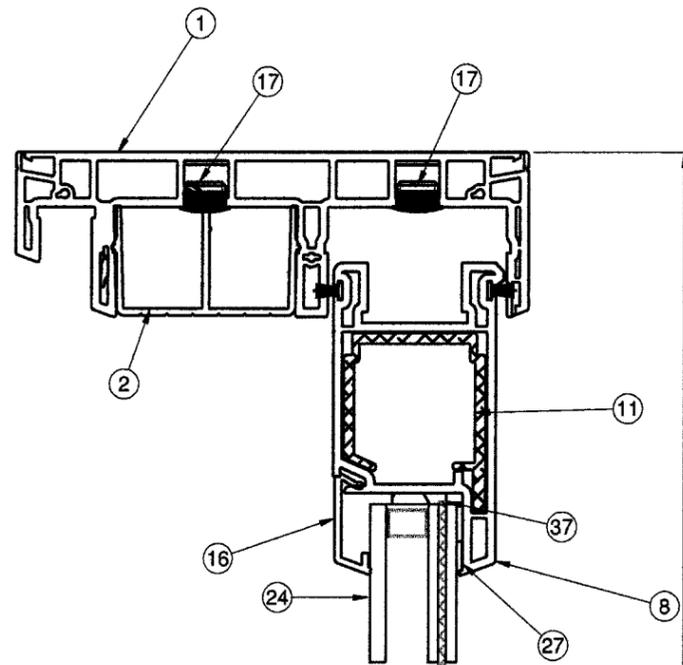
Eric R. Lomas
5/25/09
L. ROBERTO LOMAS
FL. P.E., NO. 62514

Custom
WINDOW SYSTEMS
1900 SW 44TH AVE.
OCALA, FLORIDA 34474

TITLE: SECTION VIEWS - OXO - LARGE MISSILE IMPACT

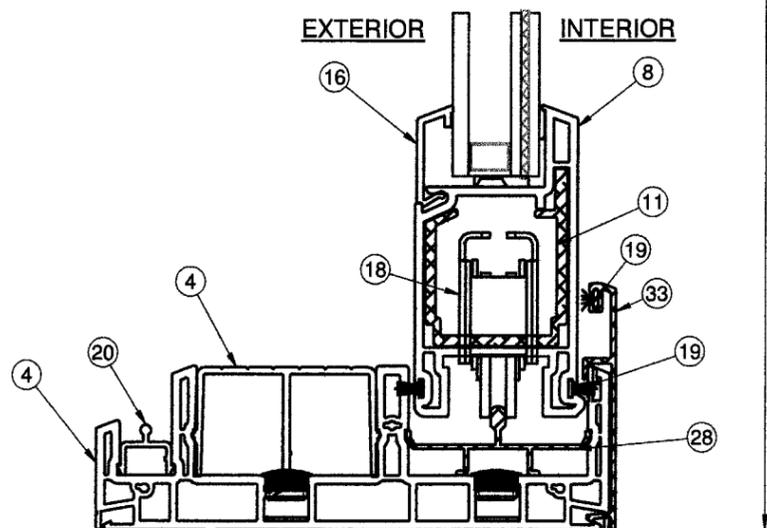
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MODEL: PVC SGD	SCALE: NTS	DWG. NO.: CWS-300
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REV	DESCRIPTION OF CHANGE	DATE
C	ANCHOR LAYOUT, X-SECTIONS PER MIAMI/DADE	05/21/09
B	UPDATED BOM, VIEWS PER MIAMI-DADE	01/13/09
A	UPDATED PER MIAMI-DADE	XX/XX/XX

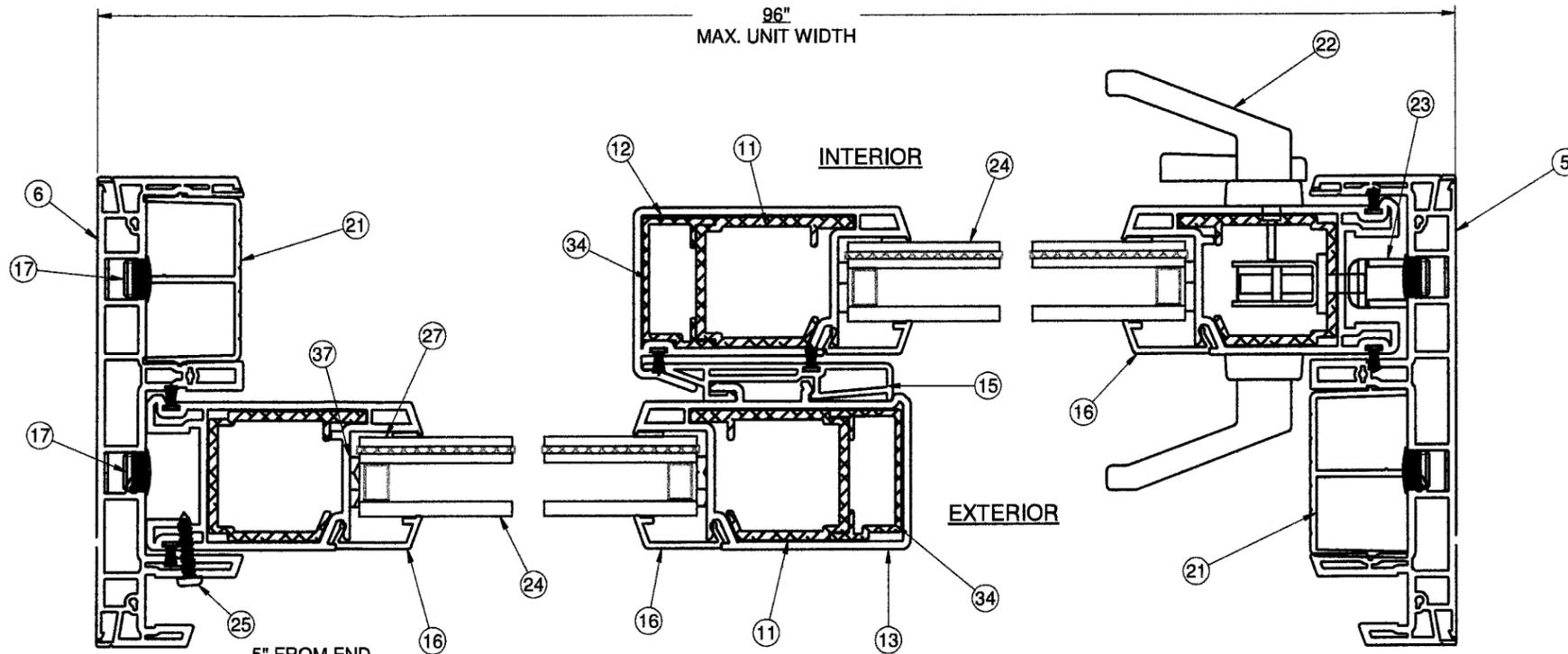


H
5 TYPICAL VERTICAL SECTION HEAD

96" MAX. UNIT HEIGHT



G
5 TYPICAL VERTICAL SECTION SILL



J
5 TYPICAL HORIZONTAL SECTION JAMB (OX)

K
5 TYPICAL HORIZONTAL SECTION INTERLOCK (OX)

L
5 TYPICAL HORIZONTAL SECTION JAMB (OX)

96" MAX. UNIT WIDTH

5" FROM END 20" ON CENTER

INTERIOR

EXTERIOR

Approved as complying with the Florida Building Code
 Date JUNE 24, 2009
 NOA# 08-0811-04
 Miami Dade Product Control Division
 By kyag. Chand

C	ANCHOR LAYOUT, X-SECTIONS PER MIAMI/DADE	05/21/09
B	UPDATED BOM, VIEWS PER MIAMI-DADE	01/13/09
A	UPDATED PER MIAMI-DADE	XX/XX/XX
REV	DESCRIPTION OF CHANGE	DATE

L. Roberto Lomas
 5/25/09
 L. ROBERTO LOMAS
 FL. P.E. NO. 62514

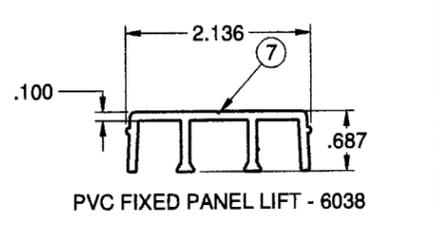
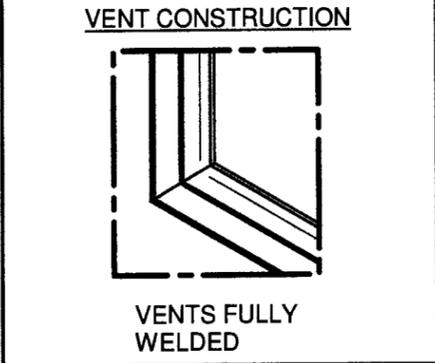
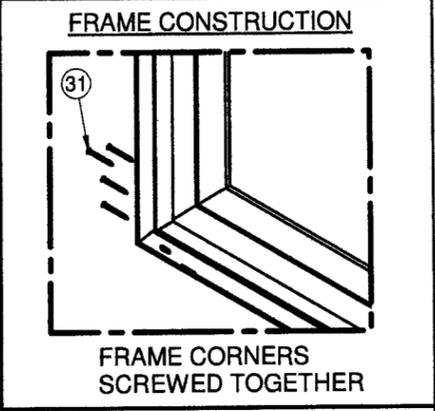
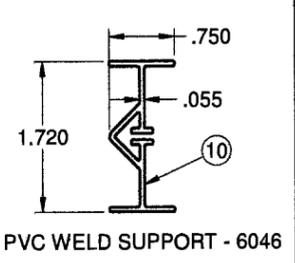
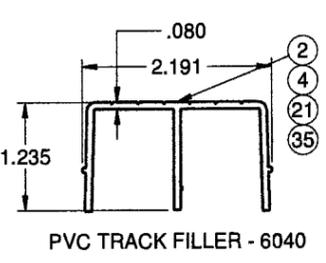
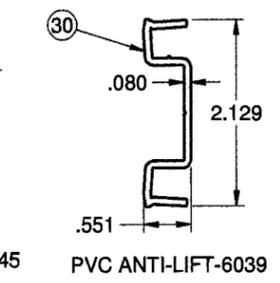
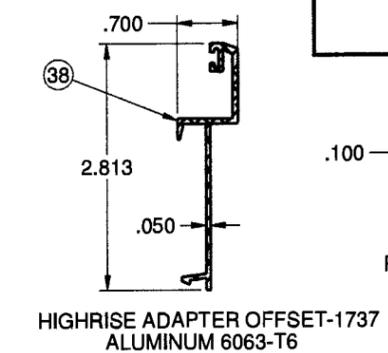
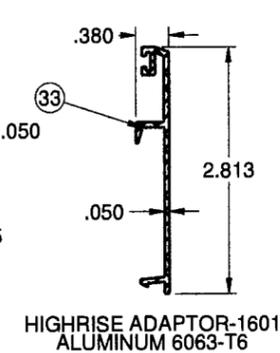
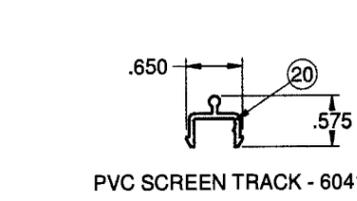
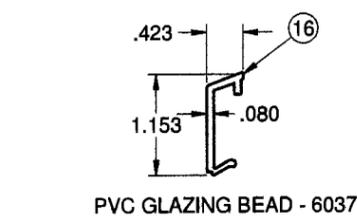
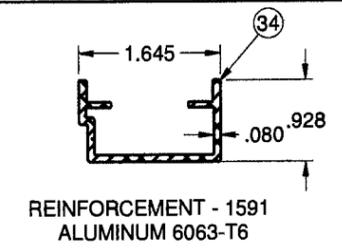
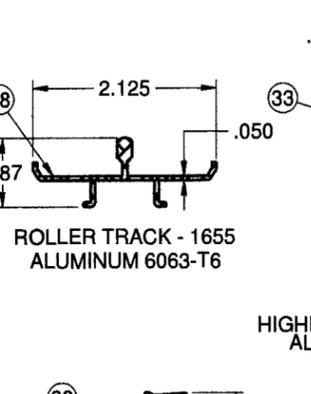
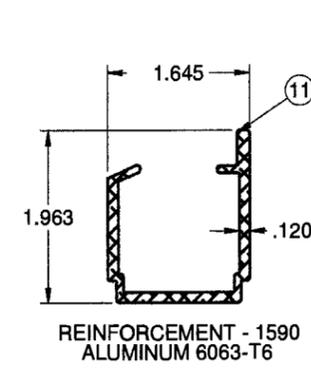
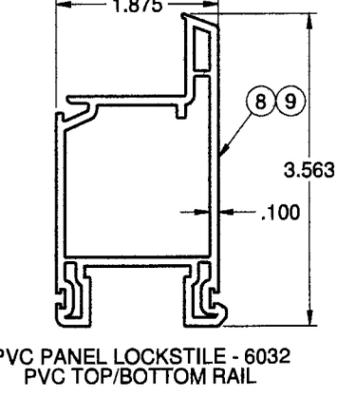
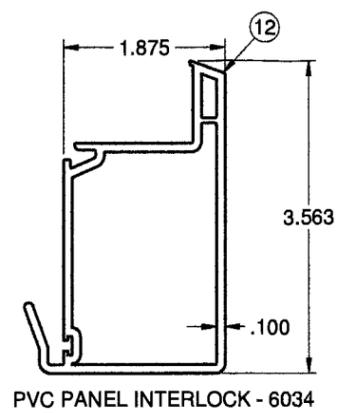
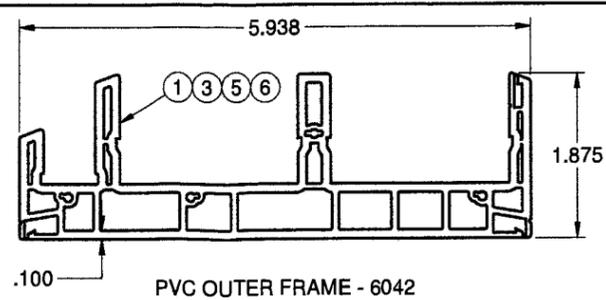
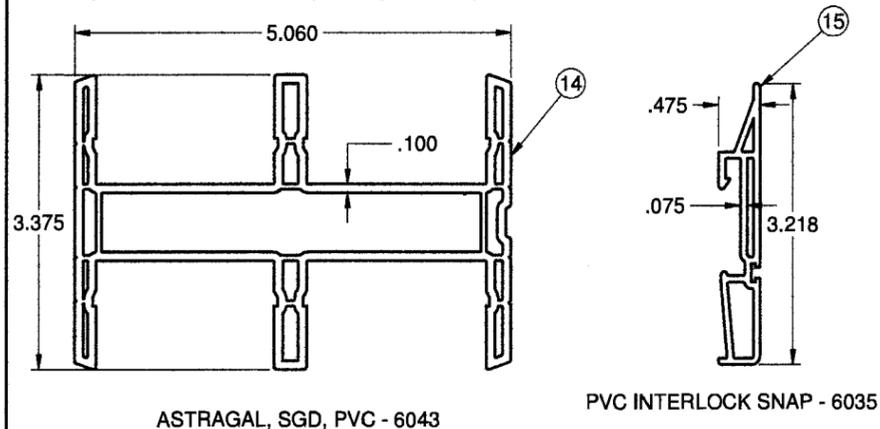


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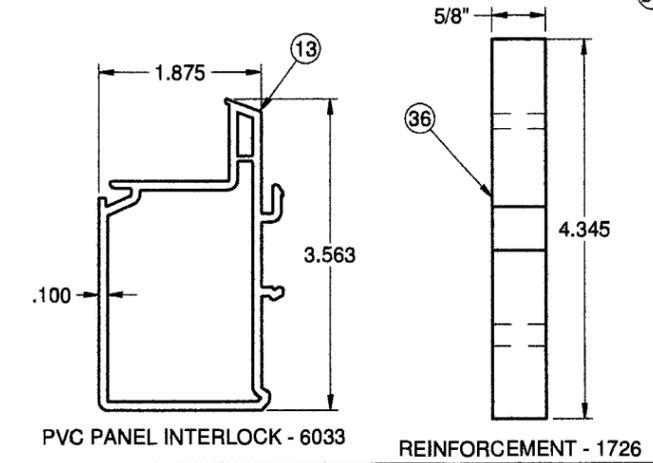
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SERIES: 8900	DRAWN BY: AAJ	DATE: 5/21/2009
MODEL: PVC SGD	SCALE: NTS	DWG. NO.: CWS-300
	REV. LETTER: C	SHEET: 5 OF 8

PARTS LIST			
ITEM NO.	PART NO.	DESCRIPTION	VENDOR
1	H-6042	FRAME MAIN, WHITE PVC, SGD, HEAD	MIKRON
2	S-6040	THRESHOLD/FILLER, WHITE PVC, SGD, HEAD	MIKRON
3	H-6042	FRAME MAIN, WHITE PVC, SGD, SILL	MIKRON
4	S-6040	THRESHOLD/FILLER, WHITE PVC, SGD, SILL	MIKRON
5	H-6042	FRAME MAIN, WHITE PVC, SGD, RIGHT JAMB	MIKRON
6	H-6042	FRAME MAIN, WHITE PVC, SGD, LEFT JAMB	MIKRON
7	S-6038	SUPPORT BLOCK, FXED, WHITE PVC, SGD	MIKRON
8	H-6032	PANEL TOP/BOTTOM RAIL, WHITE PVC, SGD	MIKRON
9	H-6032	PANEL SIDE RAIL, WHITE PVC, SGD	MIKRON
10	S-6046	SUPPORT WELD, WHITE PVC SGD	MIKRON
11	S-1590	REINFORCEMENT, WHITE PVC, SGD	KEYMARK
12	H-6034	PANEL, INTERLOCK, OPERABLE	MIKRON
13	H-6033	PANEL, INTERLOCK, FIXED	MIKRON
14	H-6043	ASTRAGAL, WHITE PVC, SGD	MIKRON
15	H-6035	INTERLOCK, SNAP-ON, WHITE PVC, SGD	MIKRON
16	S-6037	GLAZING BEAD 1.00", WHITE PVC, SGD	MIKRON
17	P-3752	CAP PLUG, 1/2" HOLE	CWS
18	P-3142	ROLLER, TANDEM, PLATED STEEL	SELJAN
19	P-3492	WSTP., 0.270 X .187, BACK FINSEAL, GRAY	ULTRAFAB
20	S-6041	TRACK, SCREEN, WHITE PVC, SGD	MIKRON
21	S-6040	THRESHOLD/FILLER, WHITE PVC, SGD, JAMB	MIKRON
22	P-3789	LOCK & HANDLE KIT, PVC, SGD	AMESBURY
23	P-3792	3/4" KEEPER	AMESBURY
24		1" OA INS. LAML GLASS(3/16"TEMP-AIR-7/16" LAM(3/16" AN-.090 SGP-3/16"AN.))	
25	P-4136	#10 x 2, PANHEAD, PHILIPS	AJAX
26	P-3342	SEAM SEALER, SM-5504	SCHNEE
27	P-3438	HOT MELT, "H"	TRUSEAL
28	S-1655	PANEL TRACK, ALUMINUM, SGD, SILL	KEYMARK
30	S-6039	ANTI-LIFT, WHITE PVC, SGD	MIKRON
31	P-3556	#8 X 2 1/2", PHILIPS, FLAT, ZINC, SMS (WHITE)	AJAX
32	P-3767	#10 X 1" HEX WASHER HEAD, TEK	AJAX
33	S-1601	HIGHRISE SILL, ALUMINUM, SGD	KEYMARK
34	S-1591	REINFORCEMENT, ALUMINUM, SGD, PANEL	KEYMARK
35	S-6040	THRESHOLD/FILLER, WHITE PVC, SGD, ASTRAGAL	MIKRON
36	S-1726	REINFORCEMENT, ASTRAGAL, ALUMINUM, SGD	KEYMARK
37	P-3352	SETTING BLOCK, 85 DUR. 1/8" X 5/8" X 2" LG.	FRANK LOWE
38	S-1737	HIGHRISE SILL, OFFSET, ALUMINUM, SGD	KEYMARK

NOTE:
RIGID WHITE PVC BY MIKRON IS UNDER SEPARATE N.O.A.
*WHITE PVC EXTRUSION TO BE LABELED WITH AAMA EXTRUDER CODE, EXTRUDER NAME, CITY, STATE, & "MDCA".



Approved as complying with the Florida Building Code
Date JUNE 24, 2009
NOA# 08-0811-04
Miami Dade Product Control Division
By Ishag, Charles



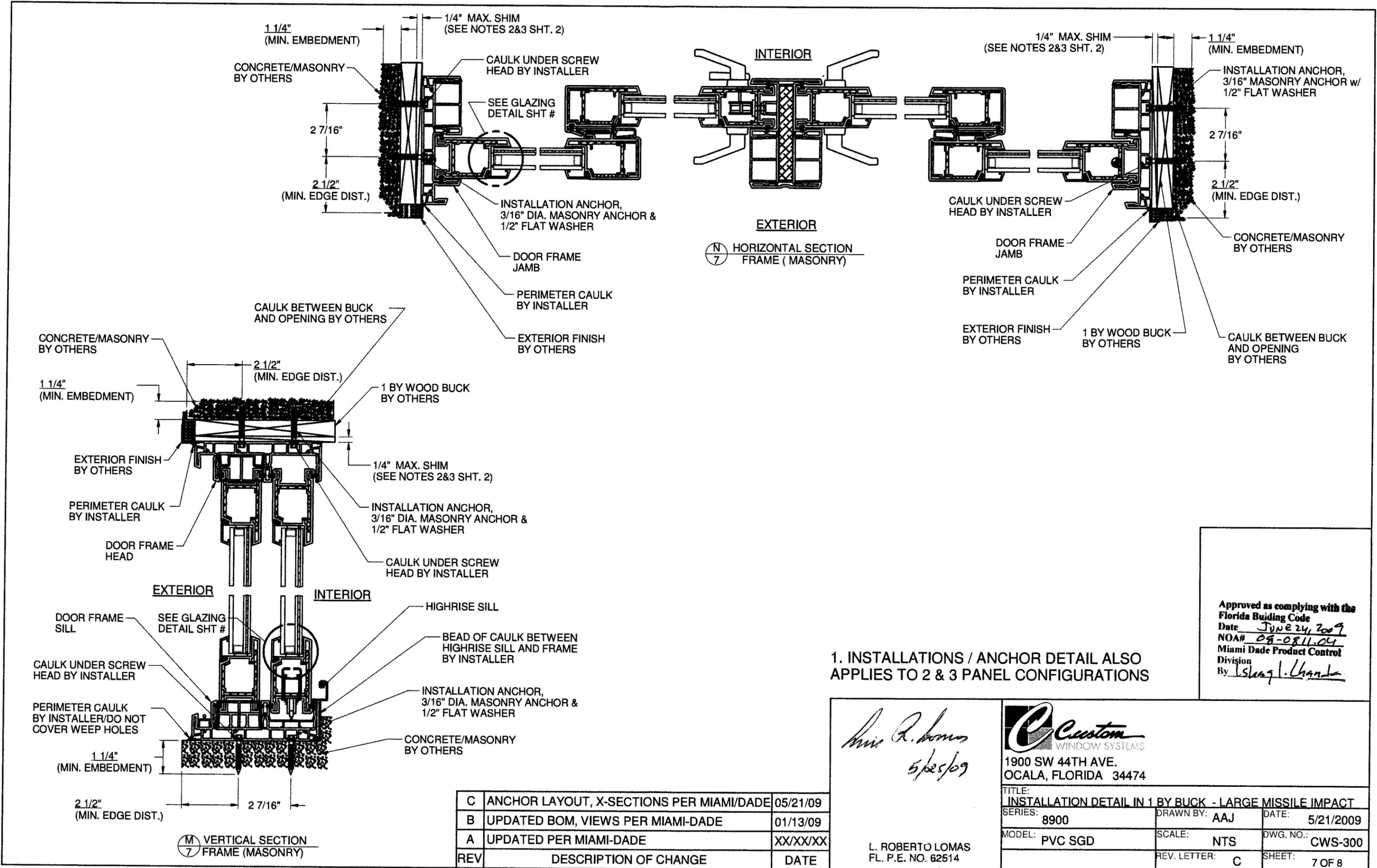
REV	DESCRIPTION OF CHANGE	DATE
C	ANCHOR LAYOUT, X-SECTIONS PER MIAMI/DADE	05/21/09
B	UPDATED BOM, VIEWS PER MIAMI-DADE	01/13/09
A	UPDATED PER MIAMI-DADE	XX/XX/XX

Roberto Lomas
5/25/09
L. ROBERTO LOMAS
FL. P.E. NO. 62514

Custom WINDOW SYSTEMS
1900 SW 44TH AVE.
OCALA, FLORIDA 34474

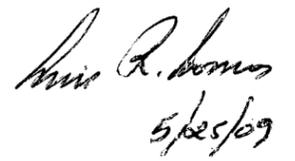
TITLE: EXTRUSIONS & BOM - LARGE MISSILE IMPACT

SERIES: 8900	DRAWN BY: AAJ	DATE: 5/21/2009
MODEL: PVC SGD	SCALE: NTS	DWG. NO.: CWS-300
	REV. LETTER: C	SHEET: 6 OF 8



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 Division
 By L. Roberto Lomas

1. INSTALLATIONS / ANCHOR DETAIL ALSO APPLIES TO 2 & 3 PANEL CONFIGURATIONS

 L. ROBERTO LOMAS FL. P.E. NO. 62514		 1900 SW 44TH AVE. OCALA, FLORIDA 34474			
		TITLE: INSTALLATION DETAIL IN 1 BY BUCK - LARGE MISSILE IMPACT			
SERIES:	8900	DRAWN BY:	AAJ	DATE:	5/21/2009
MODEL:	PVC SGD	SCALE:	NTS	DWG. NO.:	CWS-300
REV.		REV. LETTER:	C	SHEET:	7 OF 8

REV	DESCRIPTION OF CHANGE	DATE
C	ANCHOR LAYOUT, X-SECTIONS PER MIAMI/DADE	05/21/09
B	UPDATED BOM, VIEWS PER MIAMI-DADE	01/13/09
A	UPDATED PER MIAMI-DADE	XX/XX/XX