



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

www.miamidade.gov/buildingcode

NOTICE OF ACCEPTANCE (NOA)

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-285**, titled "8900 Series PVC SGD", sheets 1 through 6 of 6, prepared by manufacturer, dated 03/04/09 and last revised on 05-20-2009, 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

Limitations: 1. This Door to be used for Residential Dwelling and Sleeping units only. This Door can not be used as an Egress Exit Door.

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 08-0715.13

Expiration Date: June 24, 2014

Approval Date: June 24, 2009

Page 1

8
6/3/09

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections
2. Drawing No. **CWS-285**, titled "8900 Series PVC SGD", sheets 1 through 6 of 6, prepared by manufacturer, dated 03/04/09 and last revised on 05-20-2009, 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-210-3505-1**, dated 03/13/08, signed and sealed by Jerard J. Ferrara, P.E.

C. CALCULATIONS

1. Anchor verification calculations dated 05/27/08, 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. **04-0816.02** issued to E.I. DuPont De Nemours & CO., Inc. for "DuPont Butacite' ST' PVB", expiring on 02/03/2010.
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" and EER, dated 03/27/08, 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.

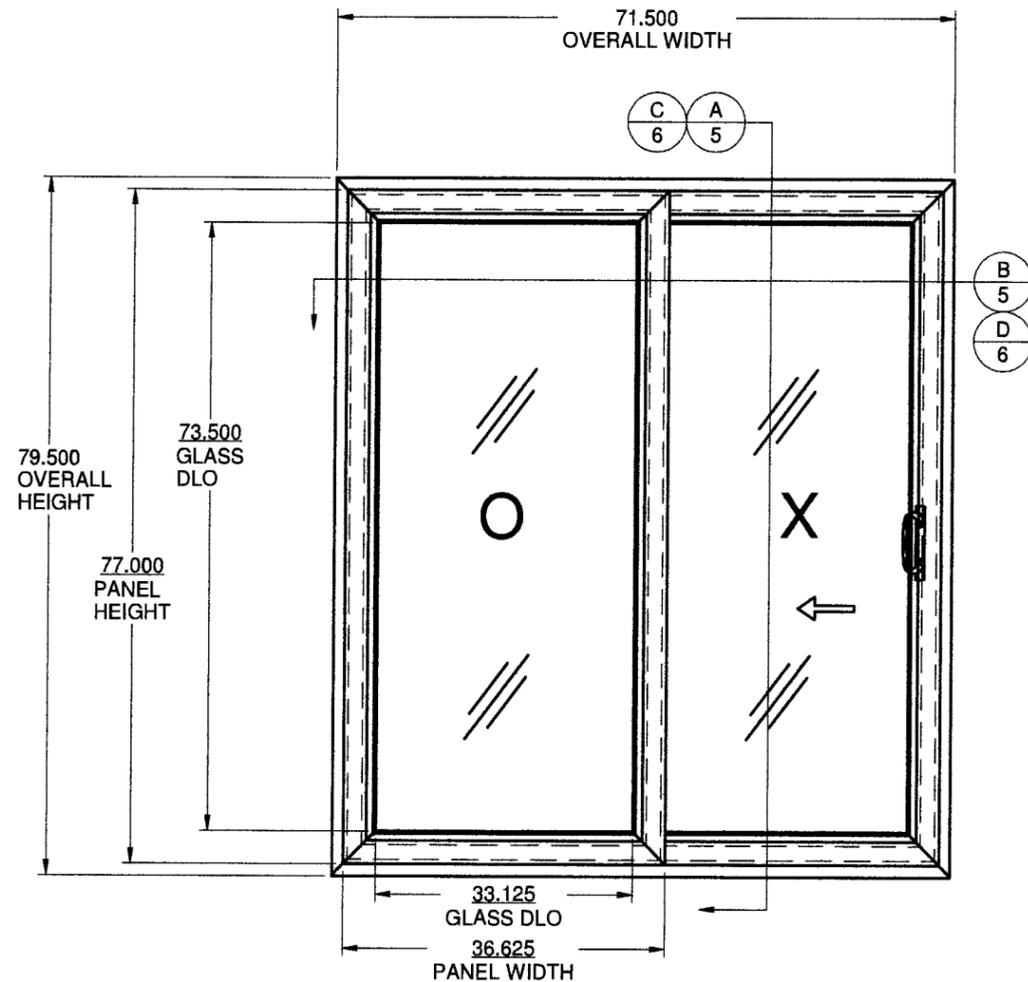
Product Control Examiner

NOA No 08-0715.13

Expiration Date: June 24, 2014

Approval Date: June 24, 2009

SLIDING GLASS DOOR (LARGE MISSILE IMPACT) STANDARD



OX or XO
DESIGN PRESSURE RATING
±60.0

PVC IMPACT REQUIREMENT:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2007 FLORIDA BUILDING CODE, CURRENT EDITION, INCLUDING THE HVHZ
2. GLAZING DETAIL: (SEE SHEET 3)
3. APPROVED CONFIGURATIONS: "O/X", "X/O".
4. DESIGN PRESSURES:
 - NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-02.
 - POSITIVE DESIGN LOADS BASED ON TESTED PRESSURE, WATER INFILTRATION TEST PRESSURE, AND GLASS TABLES ASTM E 1300-02.
5. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEETS 5-6 FOR ANCHOR DETAIL.
6. PRODUCTS APPROVED FOR IMPACT RESISTANCE.
7. ALL FRAMES ARE PROCESSED AND WELDED TOGETHER. VENTS FULLY WELDED.
8. REFERENCE TEST REPORTS: NCTL-210-3505-1
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.
13. LIMITATIONS:
 1. THIS DOOR TO BE USED FOR RESIDENTIAL DWELLING UNITS AND SLEEPING UNITS ONLY.
 2. THIS DOOR CAN NOT BE USED AS AN EGRESS EXIT DOOR.

Approved as complying with the
Florida Building Code
Date June 24, 2009
NOA# 08-0715-13
Miami Dade Product Control
Division
By Ishag I. Chaudhry

TABLE OF CONTENTS

- GENERAL NOTES & ELEVATIONS.....1
- ANCHOR SCHEDULE & NOTES.....2
- SECT. VIEW & GLAZING DETAIL.....3
- EXTRUSIONS & B.O.M.....4
- INSTALLATION DETAILS.....5-6

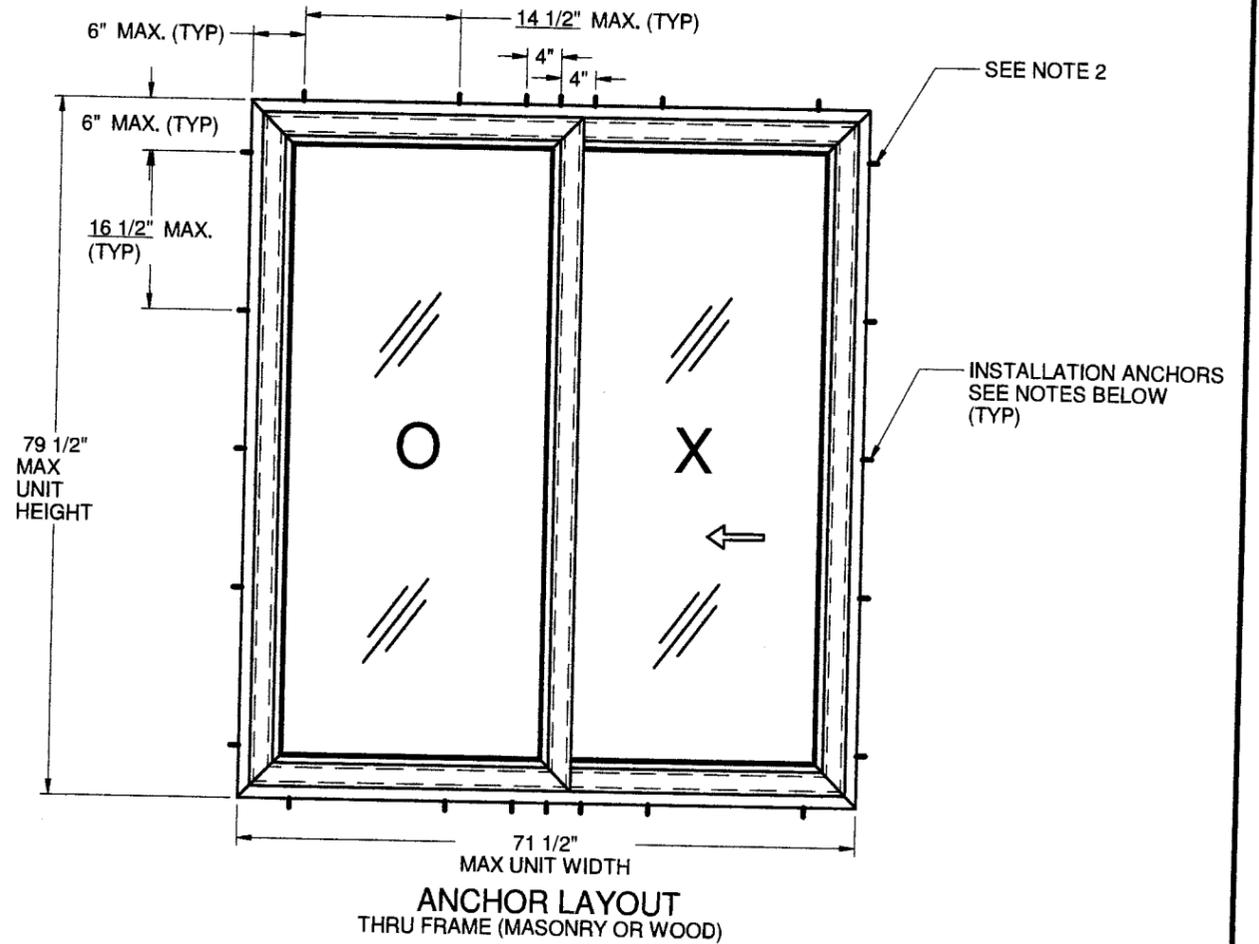
REV	DESCRIPTION OF CHANGE	DATE
C	CHG'D GLASS BITE DIM, UPDATED NOTE 13 SHT 1	03/05/09
B	ADDED NOTE 13 TO SHEET 1	08/28/08
A	UPDATED PER MIAMI-DADE	08/11/08

L. Roberto Lomas
6/24/09
L. ROBERTO LOMAS
FL. P.E. NO. 62514

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

TITLE: GENERAL NOTES & ELEVATION

SERIES: 8900	DRAWN BY: AAJ	DATE: 3/4/2009
MODEL: PVC SGD	SCALE: NTS	DWG. NO.: CWS-285
	REV. LETTER: C	SHEET: 1 OF 6



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.
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).

Approved as complying with the
 Florida Building Code
 Date JUNE 24, 2009
 NOA# 02-071513
 Miami Dade Product Control
 Division
 By Isaac I. Charles

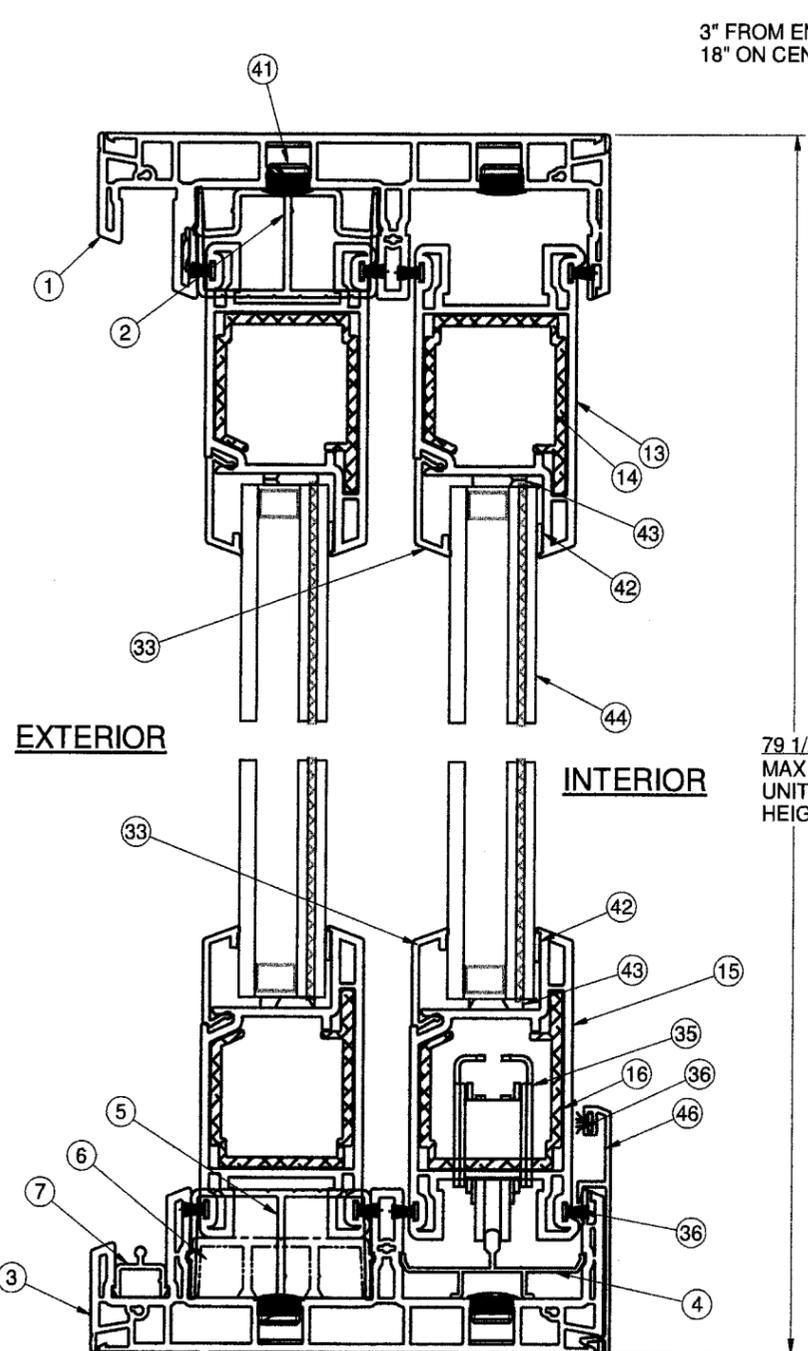
REV	DESCRIPTION OF CHANGE	DATE
C	CHG'D GLASS BITE DIM, UPDATED NOTE 13 SHT 1	03/05/09
B	ADDED NOTE 13 TO SHEET 1	08/28/08
A	UPDATED PER MIAMI-DADE	08/11/08

Signature
 5/20/09
 L. ROBERTO LOMAS
 FL P.E. NO. 62514

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

TITLE: ANCHOR SCHEDULE & NOTES

SERIES: 8900	DRAWN BY: AAJ	DATE: 3/4/2009
MODEL: PVC SGD	SCALE: NTS	DWG. NO.: CWS-285
	REV. LETTER: C	SHEET: 2 OF 6



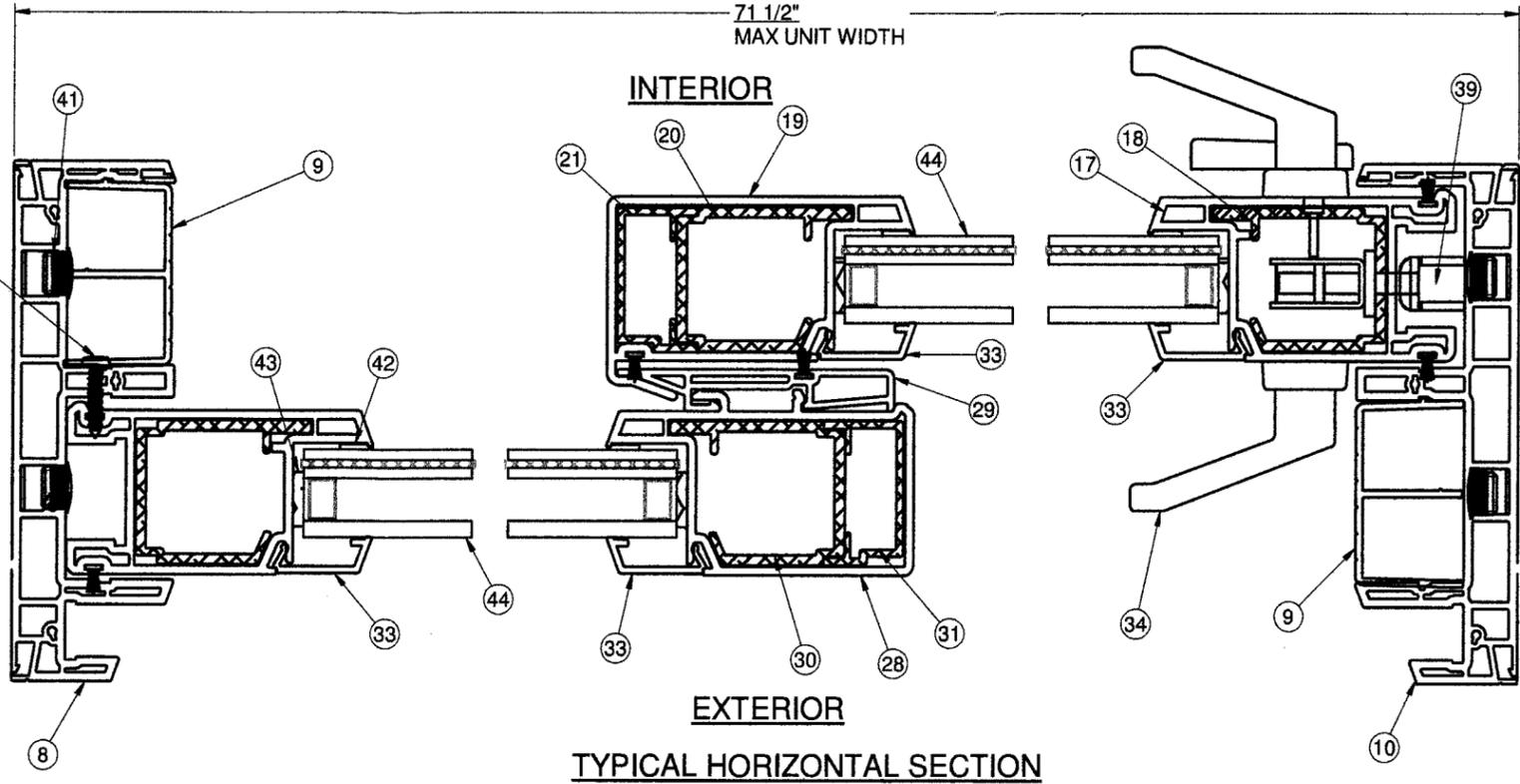
EXTERIOR

INTERIOR

TYPICAL VERTICAL SECTION

3" FROM END
18" ON CENTER

79 1/2"
MAX
UNIT
HEIGHT

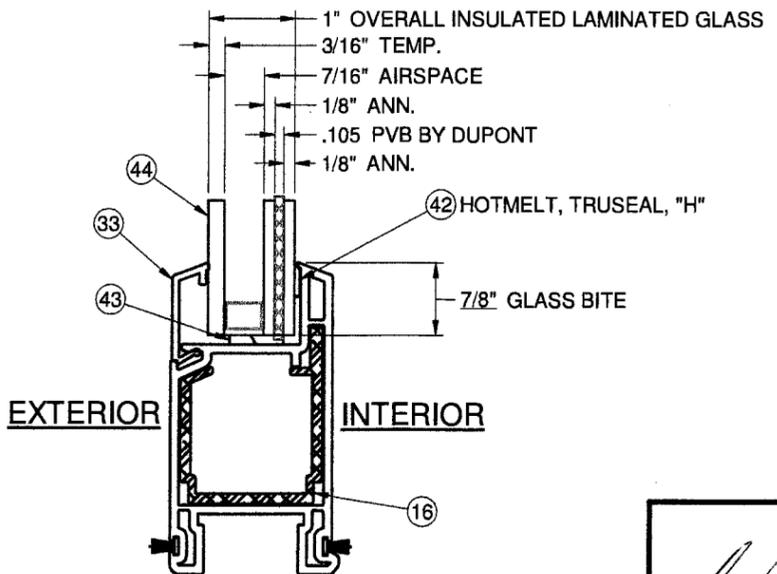


71 1/2"
MAX UNIT WIDTH

INTERIOR

EXTERIOR

TYPICAL HORIZONTAL SECTION



EXTERIOR

INTERIOR

GLAZING DETAIL

1" OVERALL INSULATED LAMINATED GLASS
 3/16" TEMP.
 7/16" AIRSPACE
 1/8" ANN.
 .105 PVB BY DUPONT
 1/8" ANN.

(42) HOTMELT, TRUSEAL, "H"

7/8" GLASS BITE

ITEMS #22-27, 32, 37, & 40
NOT SHOWN FOR CLARITY.

Approved as complying with the
Florida Building Code
Date JUNE 24, 2009
NOA# 08-0715-13
Miami Dade Product Control
Division
By Ishag I. Chaudh

REV	DESCRIPTION OF CHANGE	DATE
C	CHG'D GLASS BITE DIM, UPDATED NOTE 13 SHT 1	03/05/09
B	ADDED NOTE 13 TO SHEET 1	08/28/08
A	UPDATED PER MIAMI-DADE	08/11/08

Handwritten signature and date:
5/20/09

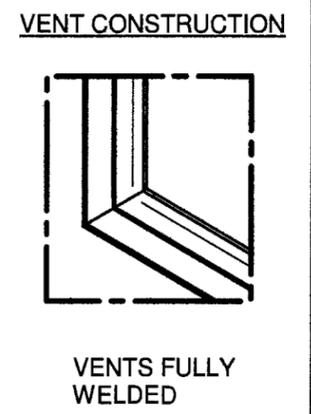
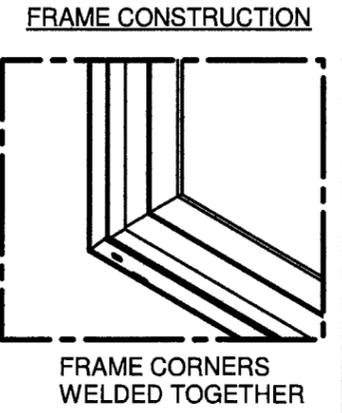
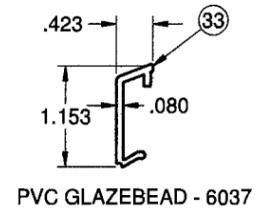
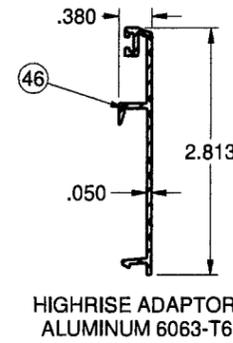
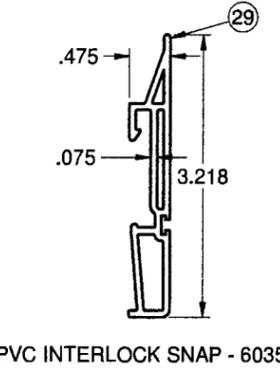
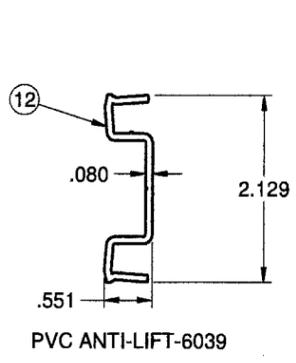
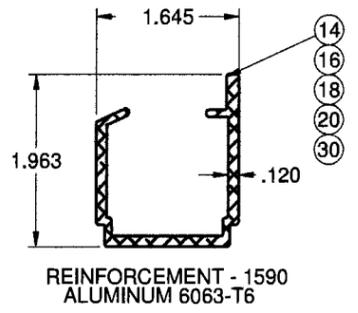
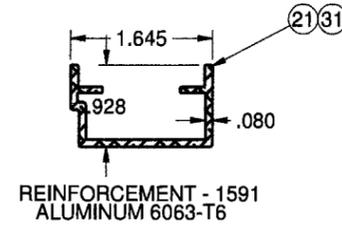
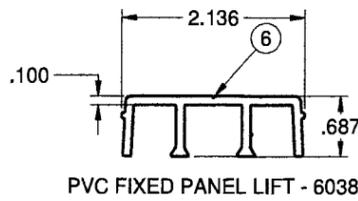
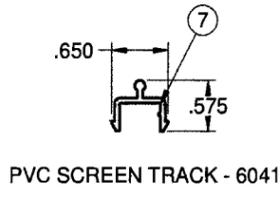
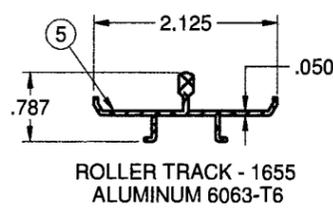
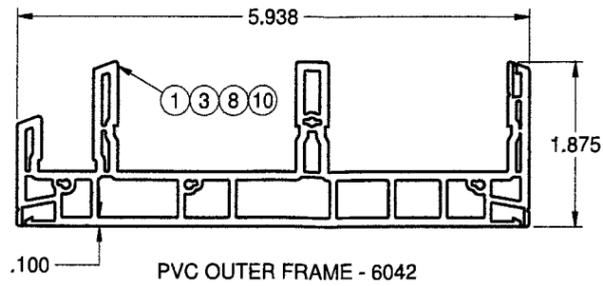
L. ROBERTO LOMAS
FL. P.E. NO. 62514

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

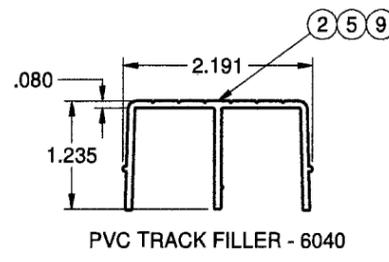
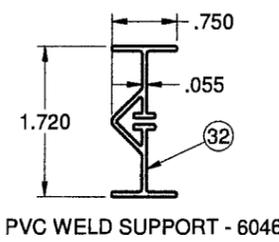
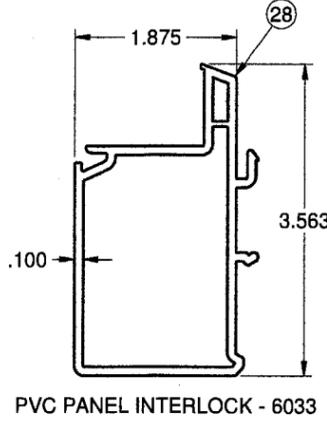
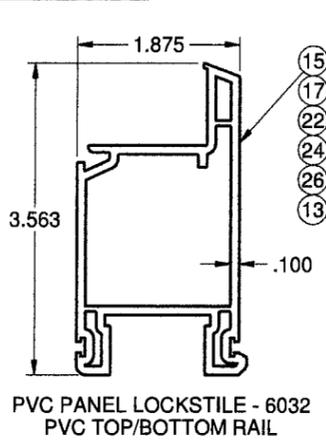
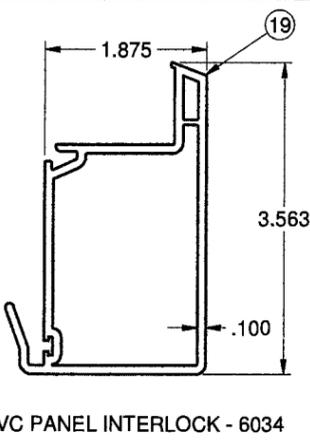
TITLE: SECTION VIEWS

SERIES: 8900	DRAWN BY: AAJ	DATE: 3/4/2009
MODEL: PVC SGD	SCALE: NTS	DWG. NO.: CWS-285
	REV. LETTER: C	SHEET: 3 OF 6

Item #	Die #	Description	
1	H-6042	Frame, Main, White PVC, SGD, Head	Mikron
2	S-6040	Thres./Filler, White PVC, SGD, Head	Mikron
3	H-6042	Frame, Main, White PVC, SGD, Sill	Mikron
4	S-1655	Track, Panel, Aluminum, SGD, Sill	Keymark
5	S-6040	Thres./Filler, White PVC, SGD, Sill	Mikron
6	S-6038	Sup. Blk., Fxd. Pnl., White PVC, SGD, Sill	Mikron
7	S-6041	Track, Screen, White PVC, SGD, Sill	Mikron
8	H-6042	Frame, Main, White PVC, SGD, L. Jb.	Mikron
9	S-6040	Thres./Filler, White PVC, SGD, L & R. Jb.	Mikron
10	H-6042	Frame, Main, vPVC, SGD, R. Jb.	Mikron
12	S-6039	Anti-Lift Blk., White PVC, SGD	Mikron
13	H-6032	Panel Rail, White PVC, SGD, Top, Op.	Mikron
14	S-1590	Reinf., Pnl., Aluminum, SGD	Keymark
15	H-6032	Panel Rail, White PVC, SGD, Bot. Op.	Mikron
16	S-1590	Reinf., Pnl., Aluminum, SGD	Keymark
17	H-6032	Panel Rail, White PVC, SGD, Lock	Mikron
18	S-1590	Reinf., Pnl., Aluminum, SGD	Mikron
19	H-6034	Panel Intlk., Oper., White PVC, SGD	Mikron
20	S-1590	Reinf., Pnl., Aluminum, SGD	Keymark
21	S-1591	Reinf., Intlk., Aluminum, SGD	Mikron
22	H-6032	Panel Rail, White PVC, SGD, Top, Fxd.	Mikron
23	S-1590	Reinf., Pnl., Aluminum, SGD	Keymark
24	H-6032	Panel Rail, White PVC, SGD, Bot. Fxd.	Mikron
25	S-1590	Reinf., Pnl., Aluminum, SGD	Keymark
26	H-6032	Panel Rail, White PVC, SGD, Fxd.	Mikron
27	S-1590	Reinf., Pnl., Aluminum, SGD	Keymark
28	H-6033	Panel Intlk., Fxd., White PVC, SGD	Mikron
29	H-6035	Catch, Pnl. Intlk., Fxd., White PVC, SGD	Mikron
30	S-1590	Reinf., Pnl., Aluminum, SGD	Keymark
31	S-1591	Reinf., Intlk., White PVC, SGD	Keymark
32	S-6046	Sup., Weld, White PVC, SGD	Mikron
33	S-6037	Giz. Bd., 1", White PVC, SGD	Mikron
34	P-3789	Lock & Handle Kit, PVC, SGD	Amesbury
35	P-3142	Roller, Tandem, PVC SGD, S.S	Seljan
36	P-3302G	Wstp., 0.330 x .187 back FinSeal, Gray	Ultra Fab
37	P-3556W	#8 x 2 1/2" Fh FH SMS, Wht.	
38	P-3768	#8 x 0.625 Ph FH SMS	
39	P-3792	3/4" Keeper	Amesbury
40	P-3342	Seam Sealer, SM-5504	Schnee
41	P-3752	Cap Plug, 1/2" Hole	CWS
42	P-3438	Hot Melt, "H"	TruSeal
43	P-3352	Set. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg.	Frank Lowe
44		1" OA Ins. Lami. Glass (3/16" TEMP-AIR-7/16" LAMI 1/8" AN.-.105" PVB DUPONT-1/8" AN.)	
45	P-4136	#10 x 2" Philips Panhead SMS Zinc	
46	S-1601	Highrise Adaptor	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".



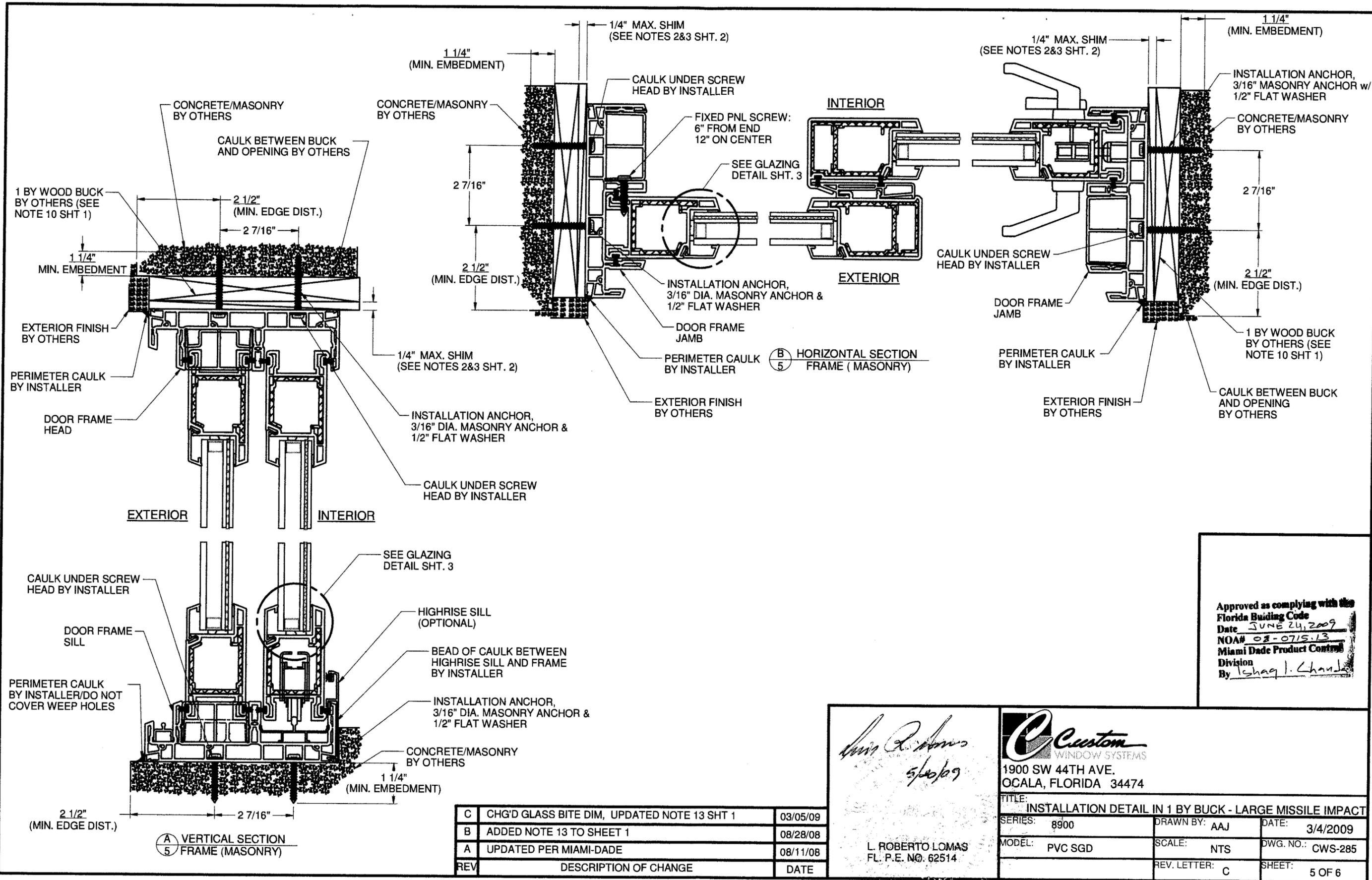
Approved as complying with the
Florida Building Code
Date JUNE 24, 2009
NOA# 68-0715-13
Miami Dade Product Control
Division
By Shag I. Chande

Shag I. Chande
6/20/09
L. ROBERTO LOMAS
FL. P.E. NO. 62514

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

REV	DESCRIPTION OF CHANGE	DATE
C	CHG'D GLASS BITE DIM, UPDATED NOTE 13 SHT 1	03/05/09
B	ADDED NOTE 13 TO SHEET 1	08/28/08
A	UPDATED PER MIAMI-DADE	08/11/08

TITLE: EXTRUSIONS & BILL OF MATERIALS		
SERIES: 8900	DRAWN BY: AAJ	DATE: 3/4/2009
MODEL: PVC SGD	SCALE: NTS	DWG. NO.: CWS-285
	REV. LETTER: C	SHEET: 4 OF 6



Approved as complying with the Florida Building Code
 Date JUNE 24, 2009
 NOA# 03-0715-13
 Miami Dade Product Control Division
 By Ishag I. Chaudhry

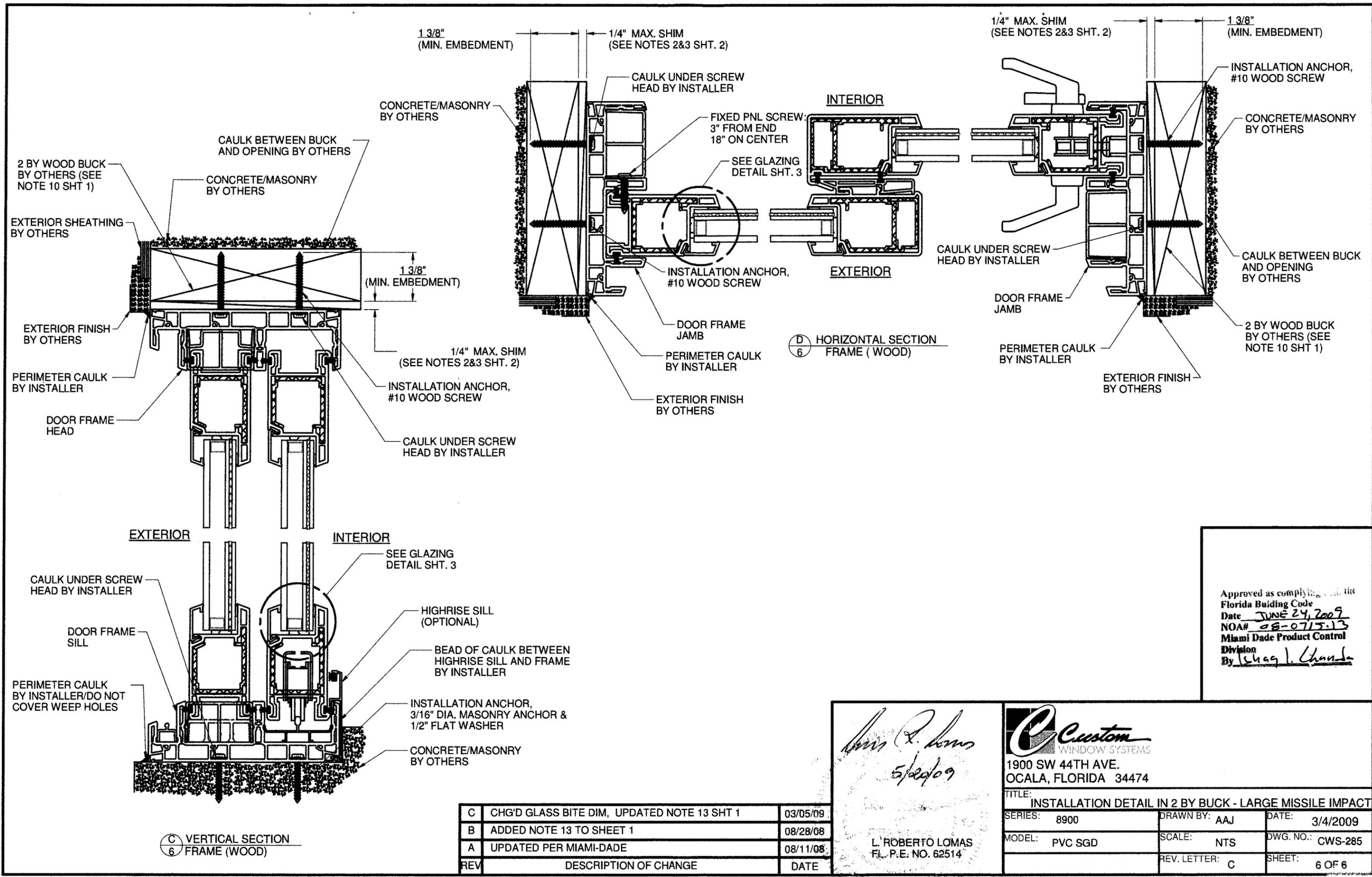
L. Roberto Lomas
 5/20/09
 L. ROBERTO LOMAS
 FL. P.E. NO. 62514

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

TITLE: **INSTALLATION DETAIL IN 1 BY BUCK - LARGE MISSILE IMPACT**

SERIES: 8900	DRAWN BY: AAJ	DATE: 3/4/2009
MODEL: PVC SGD	SCALE: NTS	DWG. NO.: CWS-285
	REV. LETTER: C	SHEET: 5 OF 6

REV	DESCRIPTION OF CHANGE	DATE
C	CHG'D GLASS BITE DIM, UPDATED NOTE 13 SHT 1	03/05/09
B	ADDED NOTE 13 TO SHEET 1	08/28/08
A	UPDATED PER MIAMI-DADE	08/11/08



(C) VERTICAL SECTION
6 FRAME (WOOD)

(D) HORIZONTAL SECTION
6 FRAME (WOOD)

Approved as complying with the
Florida Building Code
Date JUNE 24, 2009
NOA# 08-0715-13
Miami Dade Product Control
Division
By Shag L. Chanda

L. Roberto Lomas
5/20/09
L. ROBERTO LOMAS
FL. P.E. NO. 62514

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

TITLE: **INSTALLATION DETAIL IN 2 BY BUCK - LARGE MISSILE IMPACT**

SERIES: 8900	DRAWN BY: AAJ	DATE: 3/4/2009
MODEL: PVC SGD	SCALE: NTS	DWG. NO.: CWS-285
	REV. LETTER: C	SHEET: 6 OF 6

REV	DESCRIPTION OF CHANGE	DATE
C	CHG'D GLASS BITE DIM, UPDATED NOTE 13 SHT 1	03/05/09
B	ADDED NOTE 13 TO SHEET 1	08/28/08
A	UPDATED PER MIAMI-DADE	08/11/08