



**MIAMI-DADE COUNTY**  
**BUILDING CODE COMPLIANCE OFFICE (BCCO)**  
**PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA**  
**METRO-DADE FLAGLER BUILDING**  
**140 WEST FLAGLER STREET, SUITE 1107**  
**MIAMI, FLORIDA 33130-1563**  
 (305) 375-2902 FAX (305) 372-6339

**NOTICE OF ACCEPTANCE (NOA)**

[www.miamidade.gov/buildingcode](http://www.miamidade.gov/buildingcode)

**Florida Extruders International, Inc.**  
**2540 Jewett Lane**  
**Sanford, FL 32771**

**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 "3250" Aluminum Sliding Glass Door – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. FEI0007, titled "Series Milestone 3250 Aluminum Sliding Glass Door", sheets 1 through 6 of 6, dated 03/23/09 with revision "B" dated 10/09/09, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, 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 **Jaime D. Gascon, P. E.**



*J. Gascon*  
 11/25/09

NOA No. 09-0519.07  
 Expiration Date: December 16, 2014  
 Approval Date: December 16, 2009  
 Page 1

**Florida Extruders International, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **FEI0007**, titled "Series Milestone 3250 Aluminum Sliding Glass Door", sheets 1 through 6 of 6, dated 03/23/09 with revision "**B**" dated 10/09/09, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, 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) 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 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of sliding glass door, prepared by National Certified Testing Laboratories, Inc., Test Report No.'s **NCTL 210-3561-1** and **NCTL 210-3561-2**, dated January 15, 2009, signed and sealed by Gerard J. Ferrara, P. E.

**C. CALCULATIONS**

1. Anchor calculations and structural analysis, complying with FBC-2007, prepared by PTC, LLC, dated 05/13/09, signed, sealed and dated 10/14/09 by Robert J. Amoruso, P. E.  
**Complies with ASTM E1300-02/ 04**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

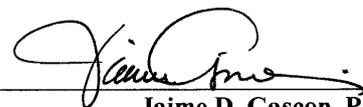
1. Notice of Acceptance No. **09-0312.03** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass® Interlayer**" dated 05/13/09, expiring on 01/14/12.

**F. STATEMENTS**

1. Statement letter of conformance and no financial interest, dated March 24, 2009, signed and sealed by Robert J. Amoruso, P. E.
2. Laboratory compliance letter for Test Report No.'s **NCTL 210-3561-1** and **NCTL 210-3561-2**, issued by National Certified Testing Laboratories, Inc., dated January 15, 2009, signed and sealed by Gerard J. Ferrara, P. E.
3. Laboratory addendum letter for Test Report No.'s **NCTL 210-3561-1** and **NCTL 210-3561-2**, issued by National Certified Testing Laboratories, Inc., dated September 15, 2009, signed and sealed by Gerard J. Ferrara, P. E.

**G. OTHERS**

1. None.



Jaime D. Gascon, P. E.

Chief, Product Control Division

NOA No. 09-0519.07

Expiration Date: December 16, 2014

Approval Date: December 16, 2009

# FLORIDA EXTRUDERS INTERNATIONAL, Inc.

## LARGE MISSILE IMPACT Sliding Glass Doors

### INSTALLATION ANCHORAGE DETAILS

**GENERAL NOTES:**

- THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE (HVHZ) OF THE 2007 FLORIDA BUILDING CODE (FBC) AT THE DESIGN PRESSURE(S) STATED HEREIN. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT # NCTL-210-3561-1 AND NCTL-210-3561-2 DATED 01/15/2009 AND ASSOCIATED LABORATORY STAMPED DRAWINGS AND WERE TESTED IN ACCORDANCE WITH CURRENT DADE COUNTY PROTOCOLS.
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE STRUCTURE IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
- SOUTHERN YELLOW PINE 1X AND 2X BUCKS (WHEN USED) IN CONTACT WITH CONCRETE AND/OR MASONRY SHALL BE PRESERVATIVE TREATED (PT) OR A DURABLE WOOD SPECIES IN ACCORDANCE WITH 2007 FBC - BUILDING, SECTION 2326.2. IF A DURABLE WOOD SPECIES IS USED FOR THE BUCK IN LIEU OF THE P.T. SOUTHERN YELLOW PINE, THE SPECIFIC GRAVITY MUST MEET OR EXCEED THAT SHOWN IN INSTALLATION NOTE NO. 12.
- AN IMPACT PROTECTIVE SYSTEM (I.E. SHUTTERS, ETC.) IS NOT REQUIRED WHEN THESE LARGE MISSILE IMPACT SLIDING GLASS DOORS ARE USED AT ALL ELEVATIONS ABOVE GRADE. FOR INSTALLATIONS MORE THAN 30 FEET ABOVE GRADE, A SMALL MISSILE IMPACT SLIDING GLASS DOOR MAY BE USED. SEE THE 2007 FBC - BUILDING, SECTIONS 1609.1.2 AND 2410.2 FOR REQUIREMENTS.

- DOOR FRAME AND PANEL MATERIAL: ALUMINUM 6063-T6 AND 6005-T5.
- GLASS MEETS THE REQUIREMENTS OF ASTM E1300.
- DESIGNATIONS "X" AND "O" STANDS FOR THE FOLLOWING: X: OPERABLE PANEL  
O: FIXED PANEL
- A 1/3 INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THE DESIGN OF THE PRODUCTS SHOWN HEREIN. WIND LOAD DURATION FACTOR (Cd = 1.0) HAS BEEN USED FOR WOOD ANCHOR DESIGN.

DESIGN PRESSURE RATING (PSF) FOR LMI						
WHERE WATER INFILTRATION REQUIREMENT IS NEEDED				SUBSTRATE		IMPACT RATING
SERIES	HEIGHT (in)	SILL RISER	DIRECTION	CONCRETE / MASONRY	WOOD	
3250	120	STD	POSITIVE	+ 80	+ 58	LARGE MISSILE IMPACT
			NEGATIVE	- 90	- 58	
		HI	POSITIVE	+ 90	+ 58	
			NEGATIVE	- 90	- 58	
	108	STD	POSITIVE	+ 80	+ 66	
			NEGATIVE	- 111	- 66	
HI		POSITIVE	+ 111	+ 66		
		NEGATIVE	- 111	- 66		
up to 96	STD	POSITIVE	+ 80	+ 77		
		NEGATIVE	- 120	- 77		
	HI	POSITIVE	+ 120	+ 77		
		NEGATIVE	- 120	- 77		

- MAXIMUM PANEL WIDTH = 4' NOMINAL.
- THE STANDARD 2 1/4" SILL RISER (FE5123) WAS USED FOR THE BASIC WATER RESISTANCE. THE TALLER (HI) 4 1/4" SILL RISER (FE5127) WAS USED FOR THE MAXIMUM WATER RESISTANCE ACHIEVED.

DESIGN PRESSURE RATING (PSF) FOR LMI						
WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED				SUBSTRATE		IMPACT RATING
SERIES	HEIGHT (in)	SILL RISER	DIRECTION	CONCRETE / MASONRY	WOOD	
3250	120	NA	POSITIVE	+ 90	+ 58	LARGE MISSILE IMPACT
			NEGATIVE	- 90	- 58	
	108	NA	POSITIVE	+ 111	+ 66	
			NEGATIVE	- 111	- 66	
	up to 96	NA	POSITIVE	+ 120	+ 77	
			NEGATIVE	- 120	- 77	

- MAXIMUM PANEL WIDTH = 4' NOMINAL.
- SILL RISER NOT REQUIRED.

**INSTALLATION NOTES:**

- TWO (2) INSTALLATION ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN IN THE HEAD, SILL AND JAMBS. (SEE TABLE 1)
- NOT APPLICABLE.
- ALL INSTALLATION ANCHORS MUST HAVE A CORROSION RESISTANT COATING OR BE MADE OF STAINLESS STEEL.
- SEAL FRAME CORNERS AT SILL-TO-JAMB AND HEAD-TO-JAMB WITH SMALL JOINT SEAM SEALANT USING TREMCO S300 OR EQUIVALENT.
- SEAL ALL INSTALLATION ANCHOR HEADS WITH SMALL JOINT SEAM SEALANT DURING INSTALLATION OF ANCHOR. APPLY SEALANT IN COUNTERSINK BEFORE ANCHOR INSTALLATION AND SEAL ANCHOR HEAD AFTER ANCHOR INSTALLATION USING TREMCO S300 OR EQUIVALENT.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION. ANCHORS ARE TO MATCH TYPE, SIZE, AND EMBEDMENT OF THOSE SHOWN HEREIN FOR RESPECTIVE SUBSTRATE.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM SIZE IS 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR INSTALLATION INTO WOOD FRAMING, USE #12 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE THE MINIMUM EMBEDMENT AND EDGE DISTANCE SHOWN IN TABLE 1. MINIMUM ANCHOR SEPARATION IS 1 INCH.
- FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE / MASONRY, OR DIRECTLY INTO CONCRETE / MASONRY, USE 1/4 INCH CONCRETE SCREWS OF SUFFICIENT LENGTH TO ACHIEVE THE MINIMUM EMBEDMENT AND EDGE DISTANCE SHOWN IN TABLE 1.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES (INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING).
- FOR CONCRETE BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
  - WOOD - PRESERVATIVE TREATED SOUTHERN YELLOW PINE. MINIMUM SPECIFIC GRAVITY OF 0.55.
  - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2000 psi AND COMPLIES WITH ACI 301, ACI 318-05 AND ACI 355.
  - MASONRY - STRENGTH CONFORMANCE TO ASTM C-90 AND ACI 530-05, GRADE N, TYPE 1 (OR GREATER). GROUT FILLED PER FLORIDA BUILDING CODE.

Substrate	Frame component	Anchor type	Size	Manufacturer	Minimum embedment	Edge distance	Comments
Masonry, concrete and grout filled CMU	Head, sill and jambs	Concrete Screw Heat Treated Steel	1/4" flat head	ITW Buildex Tapcon with Advanced Threadform Technology	1 3/4"	1 1/2"	See table 1 notes
Wood frame	Head, sill and jambs	Wood Screw (WS) or Sheet Metal Screw (SMS) Stainless Steel	#12 flat head	ANSI B18.6.1	1 1/2"	7/8"	See table 1 notes

**Table 1 - Notes:**

- To prevent one-by bucking from splitting, drill 3/16" or 1/4" diameter hole in buck to accommodate anchors.
- All screws will be "flat" head.
- Screw lengths will be sufficient to allow the minimum embedment to be made into the receiving substrate. Where one-by bucks are used, they shall not be considered part of the structural substrate regardless of their attachment to the structural substrate. For one-by bucks, 3/4" edge distance is allowed.

SHEET	REV.	SHEET DESCRIPTION
1	---	GENERAL AND INSTALLATION NOTES
2	---	ELEVATIONS AND ANCHOR LAYOUT
3	---	VERTICAL SECTIONS
4	---	HORIZONTAL SECTIONS
5	---	COMPONENTS
6	---	BILL OF MATERIALS AND GLAZING DETAIL

REV	DESCRIPTION	DATE	BY
B	Update notes and tables per BCCO.	10/09/09	CD
A	Update notes and tables per BCCO.	09/21/09	CD

**FLORIDA EXTRUDERS INTERNATIONAL, INC.**  
2540 JEWETT LANE  
SANFORD, FLORIDA 32771-1687

TITLE: MILESTONE SERIES 3250 ALUMINUM SLIDING GLASS DOOR GENERAL AND INSTALLATION NOTES

DATE: 03/23/09  
DRAWING NO: FE10007  
SHEET: 1 OF 6

DRAWN BY: C.D.  
SCALE: N.T.S.  
REV: B



PTC, LLC  
Phone 321.690.1788  
Fax 321.690.1789

PROJECT #309-0215

Robert J. Amoroso, P.E.  
FL License no. 49752

*Robert J. Amoroso*

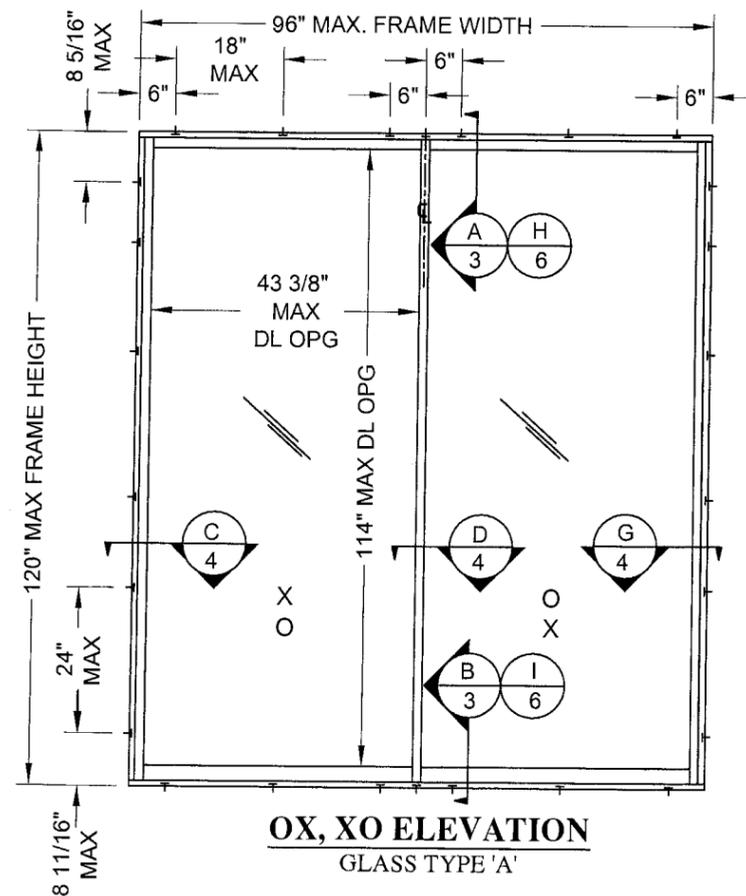
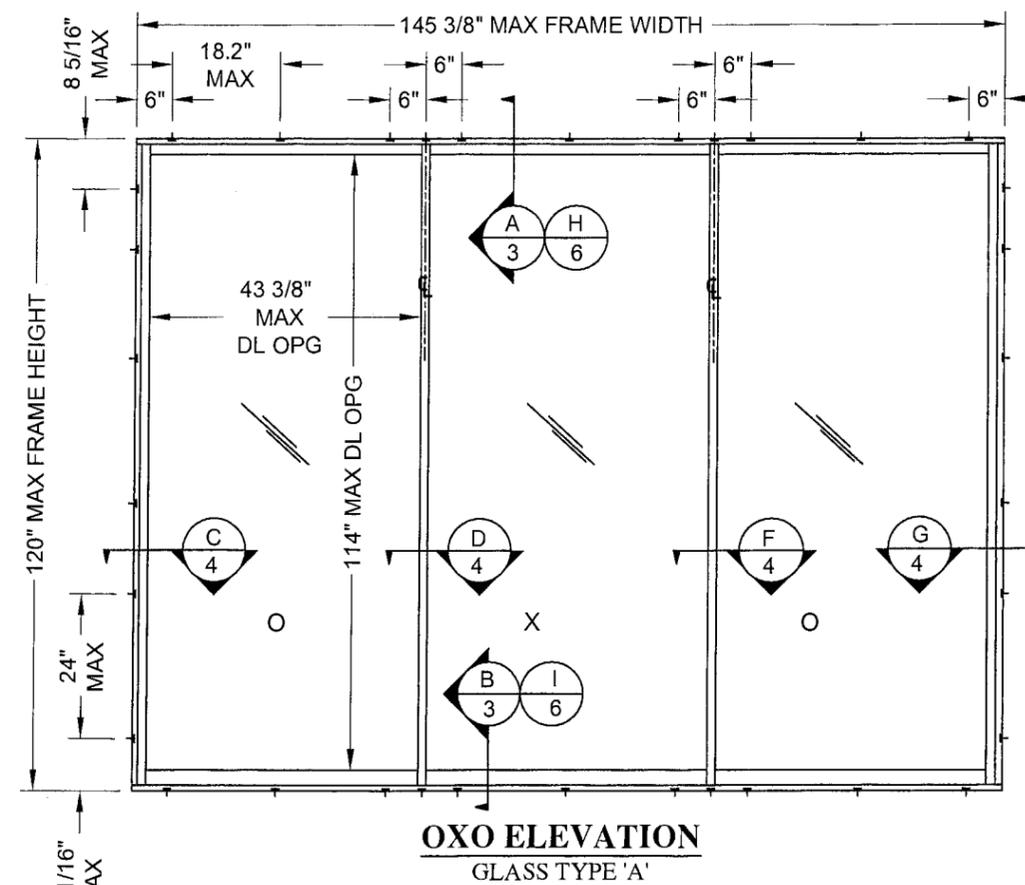
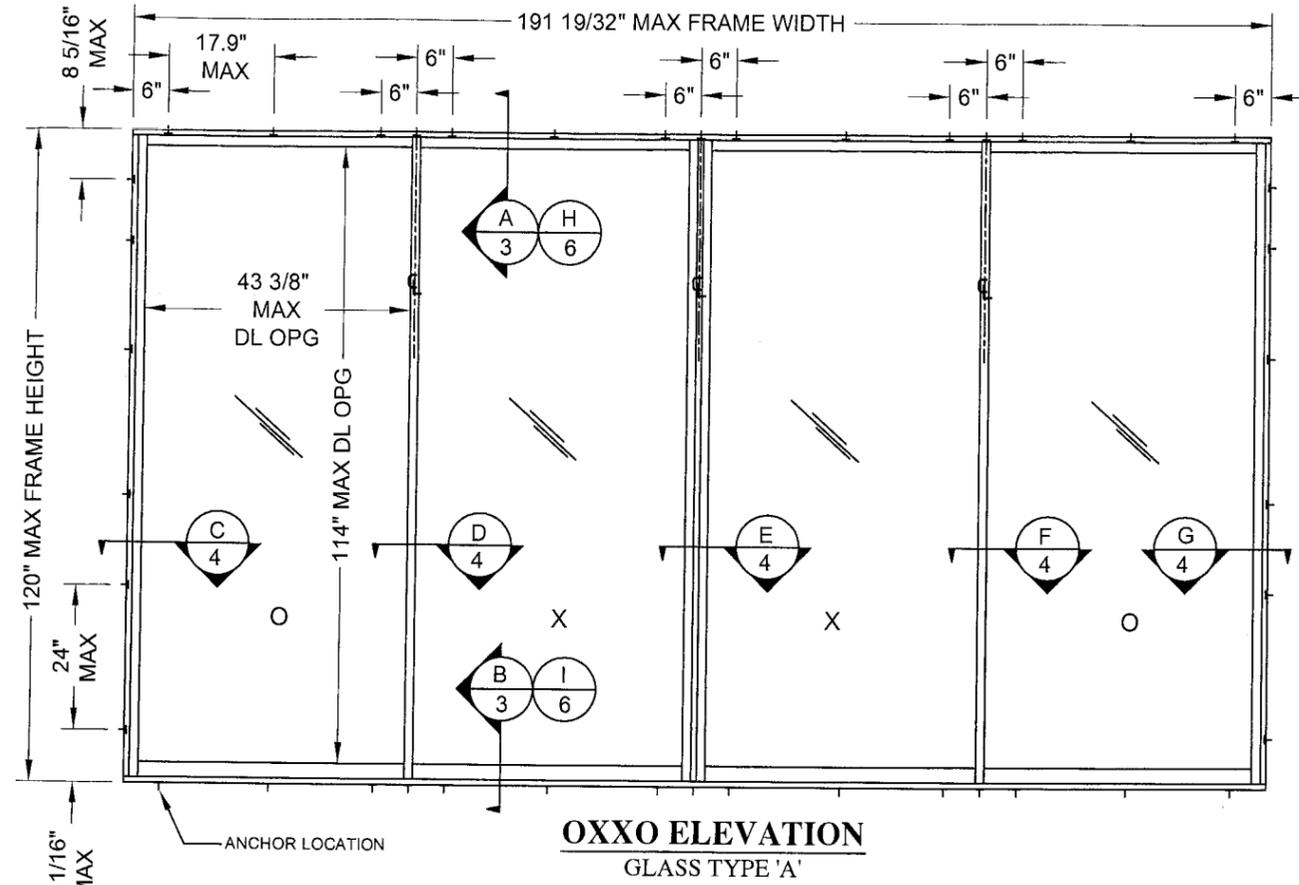
PTC, LLC  
1535 N. Cogswell Street, Suite C25  
Rockledge, Florida 32955

FBPE Certificate of Authorization NO. 25935

Approved as complying with the Florida Building Code

Date: 11/16/09  
N.O.A.#: 09-0519107  
Miami-Dade Product Control Division

By: *[Signature]*

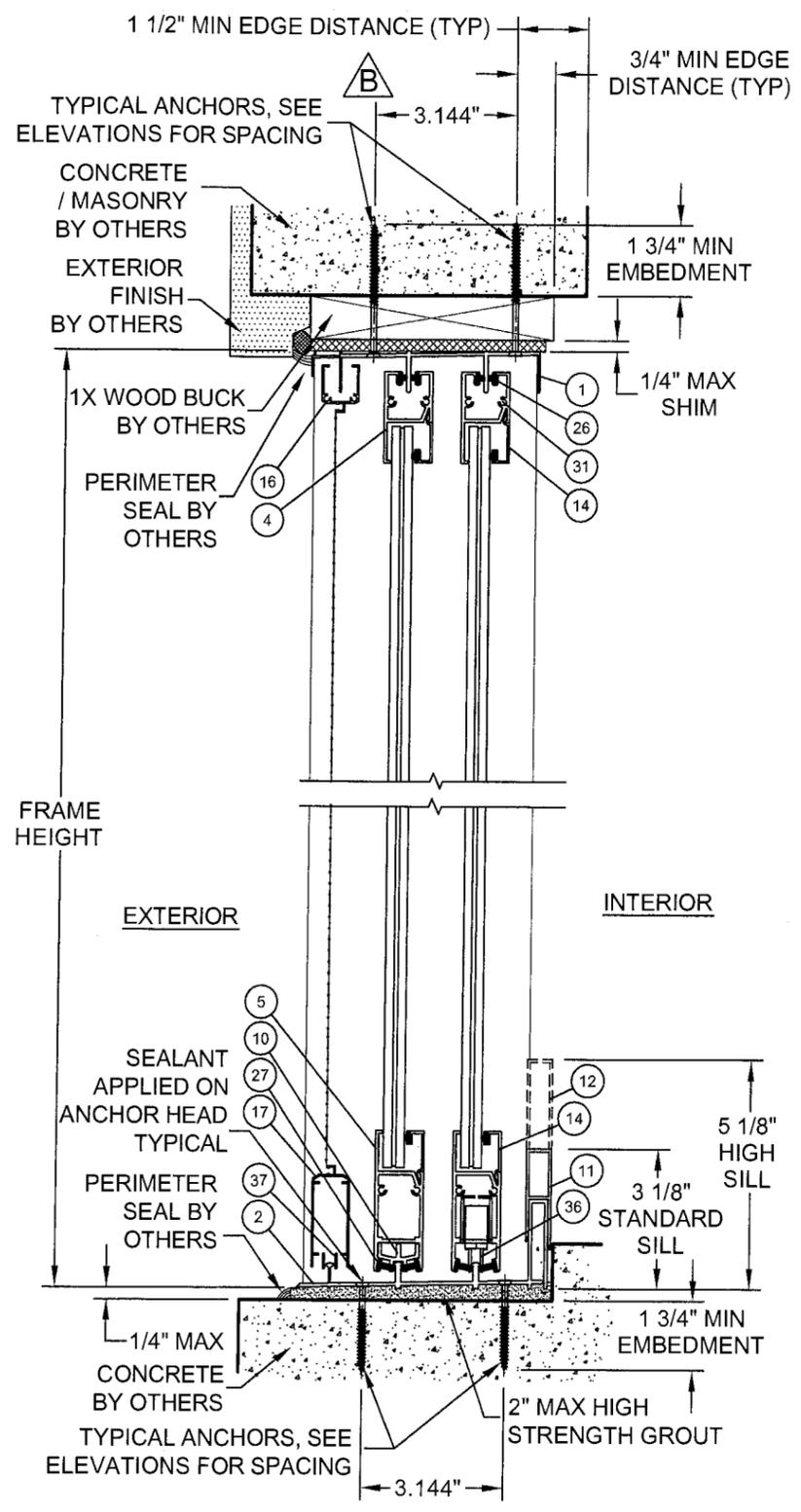


**NOTES:**

- 1- ELEVATIONS ARE VIEWED FROM EXTERIOR.
- 2- SCREENS ARE NOT SHOWN FOR CLARITY.
- 3- ALL DIMENSIONS ARE IN INCHES.
- 4- DL OPG: DAY LIGHT OPENING.
- 5- ANCHOR SPACING SHOWN ON ELEVATIONS IS SIMILAR FOR THE HEAD AND SILL.
- 6- 10'- 0" & 9'- 0" TALL DOOR JAMBS (SHOWN) HAVE 6 ANCHORS ROWS.
- 8'- 0" TALL DOOR JAMBS (NOT SHOWN) HAVE 5 ANCHOR ROWS.
- 6'- 8" TALL DOOR JAMBS (NOT SHOWN) HAVE 4 ANCHOR ROWS.

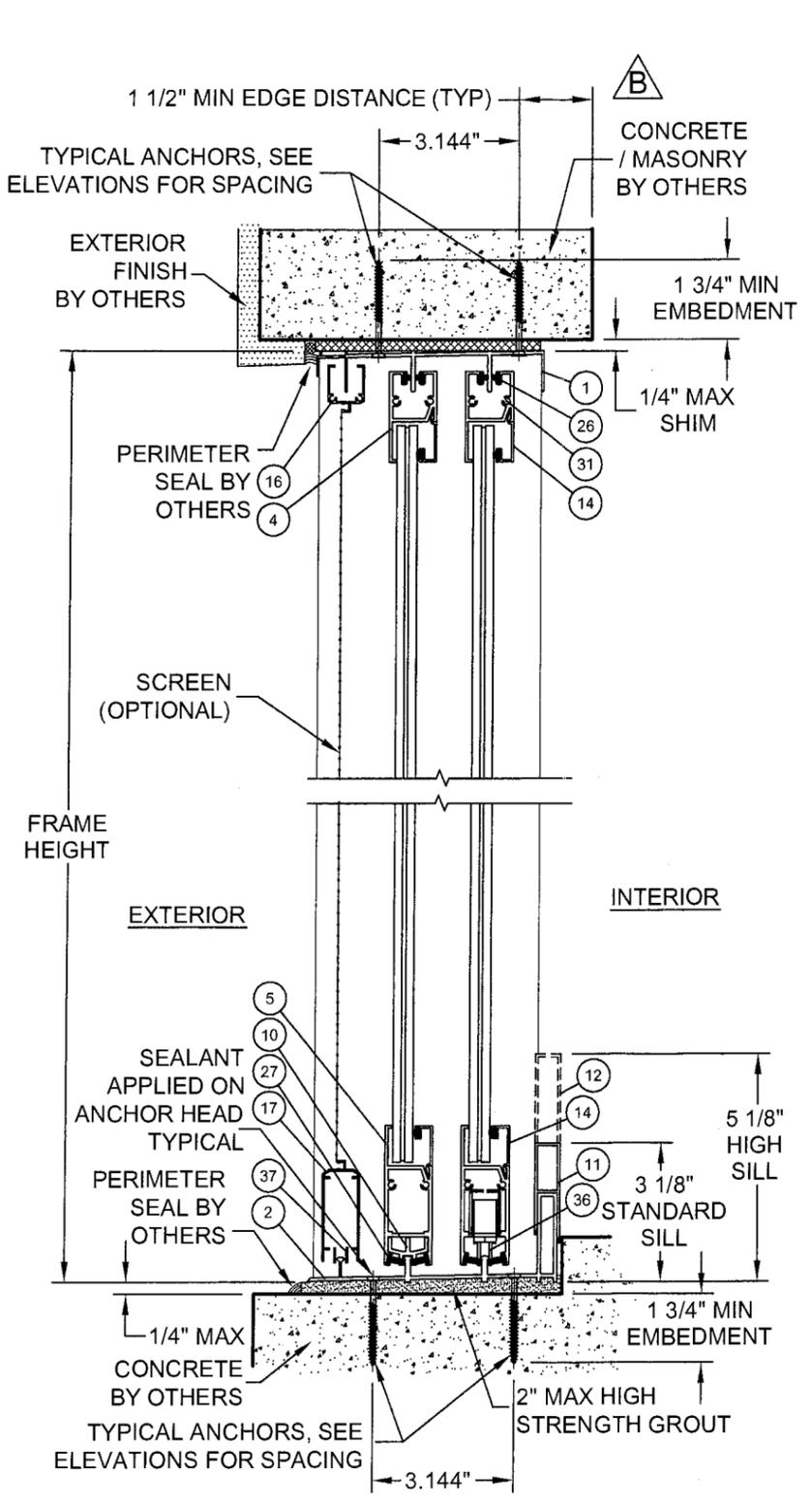
<p><b>FLORIDA EXTRUDERS INTERNATIONAL, INC.</b> 2540 JEWETT LANE SANFORD, FLORIDA 32771-1687</p>		<p>DATE: 03/23/09 DRAWN BY: C.D.</p>
<p>TITLE: MILESTONE SERIES 3250 ALUMINUM SLIDING GLASS DOOR ELEVATIONS AND ANCHOR LAYOUT</p>		<p>SCALE: 1:30 REV: B</p>
<p>PREPARED BY: PTC, LLC Phone 321.680.1788 Fax 321.690.1789</p>		<p>DATE: 10/09/09 CD</p>
<p>PROJECT #309-0215 Robert J. Amoroso, P.E. FL License no. 49752</p>		<p>DATE: 09/21/09 CD</p>
<p>Approved as complying with the Florida Building Code Date 12/16/2009 NOA# 09-05197 Miami Dept. of Product Control Division</p>		<p>DESCRIPTION</p>

**A VERTICAL SECTION**  
CONCRETE / MASONRY SUBSTRATE



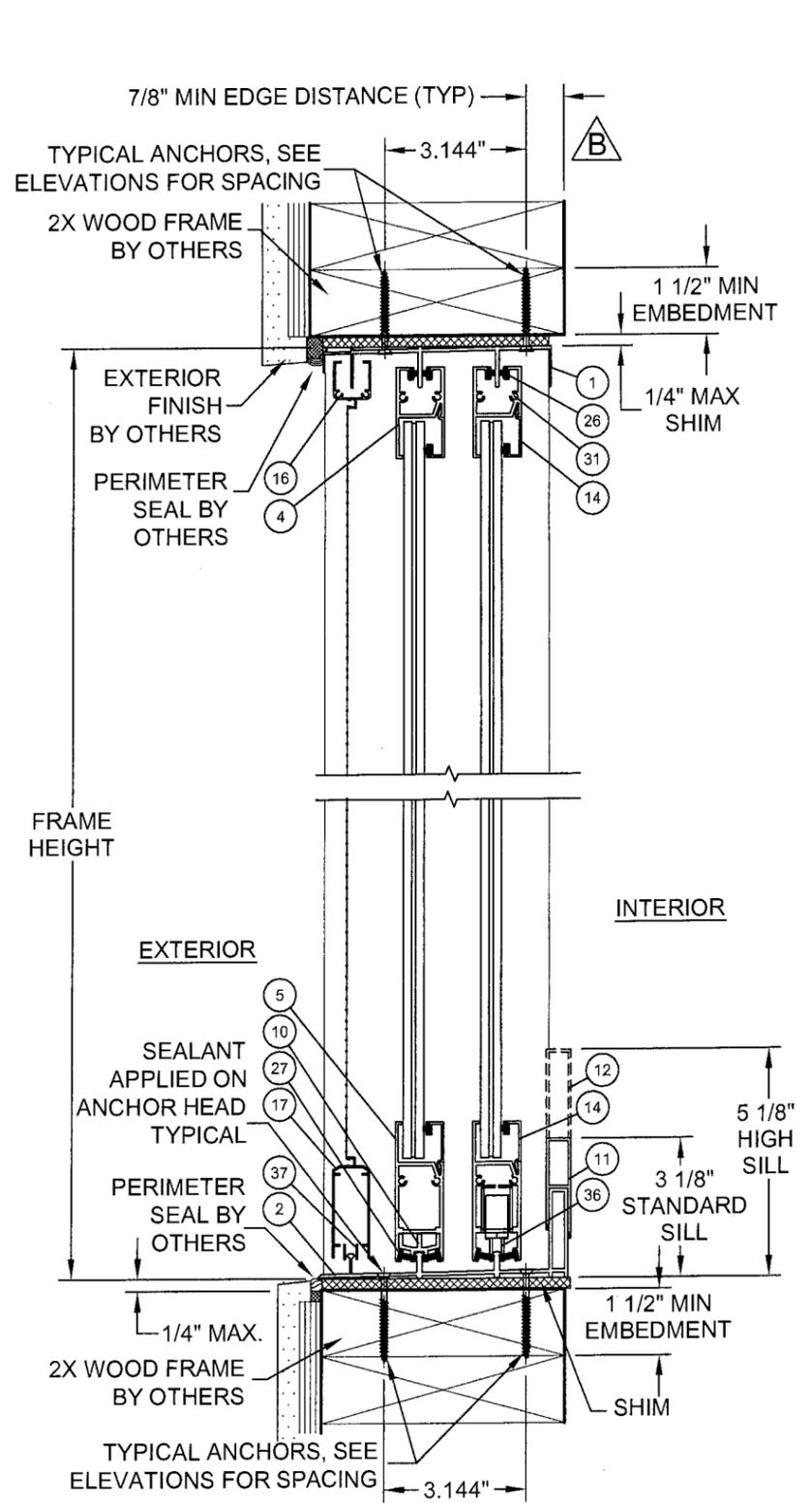
**B VERTICAL SECTION**  
CONCRETE/MASONRY SUBSTRATE

**A VERTICAL SECTION**  
CONCRETE / MASONRY SUBSTRATE



**B VERTICAL SECTION**  
CONCRETE/MASONRY SUBSTRATE

**A VERTICAL SECTION**  
WOOD FRAME SUBSTRATE



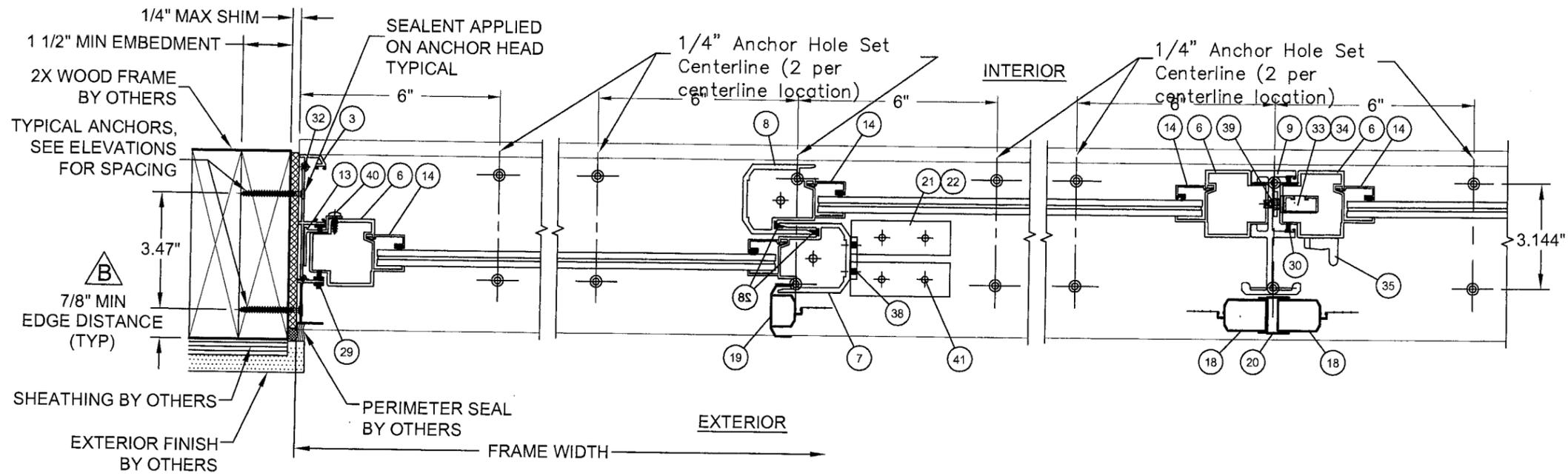
**B VERTICAL SECTION**  
WOOD FRAME SUBSTRATE

CD	10/09/09	CD	BY
CD	09/21/09	CD	DATE
Revise anchor edge distances.	B	Call out all part #, specify sill risers, edge distance.	DESCRIPTION
			REV

**FLORIDA EXTRUDERS INTERNATIONAL, INC.**  
 2540 JEWETT LANE  
 SANFORD, FLORIDA 32771-1687  
 TITLE: MILESTONE SERIES 3250 ALUMINUM SLIDING GLASS DOOR VERTICAL SECTIONS  
 DRAWN BY: C.D. DATE: 03/23/09  
 SCALE: 1:4 DRAWING NO: FEI0007  
 REV: B SHEET: 3 OF 6  
**FEI**  
 PTC, LLC  
 Phone 321.690.1788  
 Fax 321.690.1789

PROJECT #309-0215  
 Robert J. Amoroso, P.E.  
 FL License no. 49752  
 PTC, LLC  
 1535 N. Cogswell Street, Suite C25  
 Rockledge, Florida 32955  
 FBPE Certificate of Authorization NO. 25935

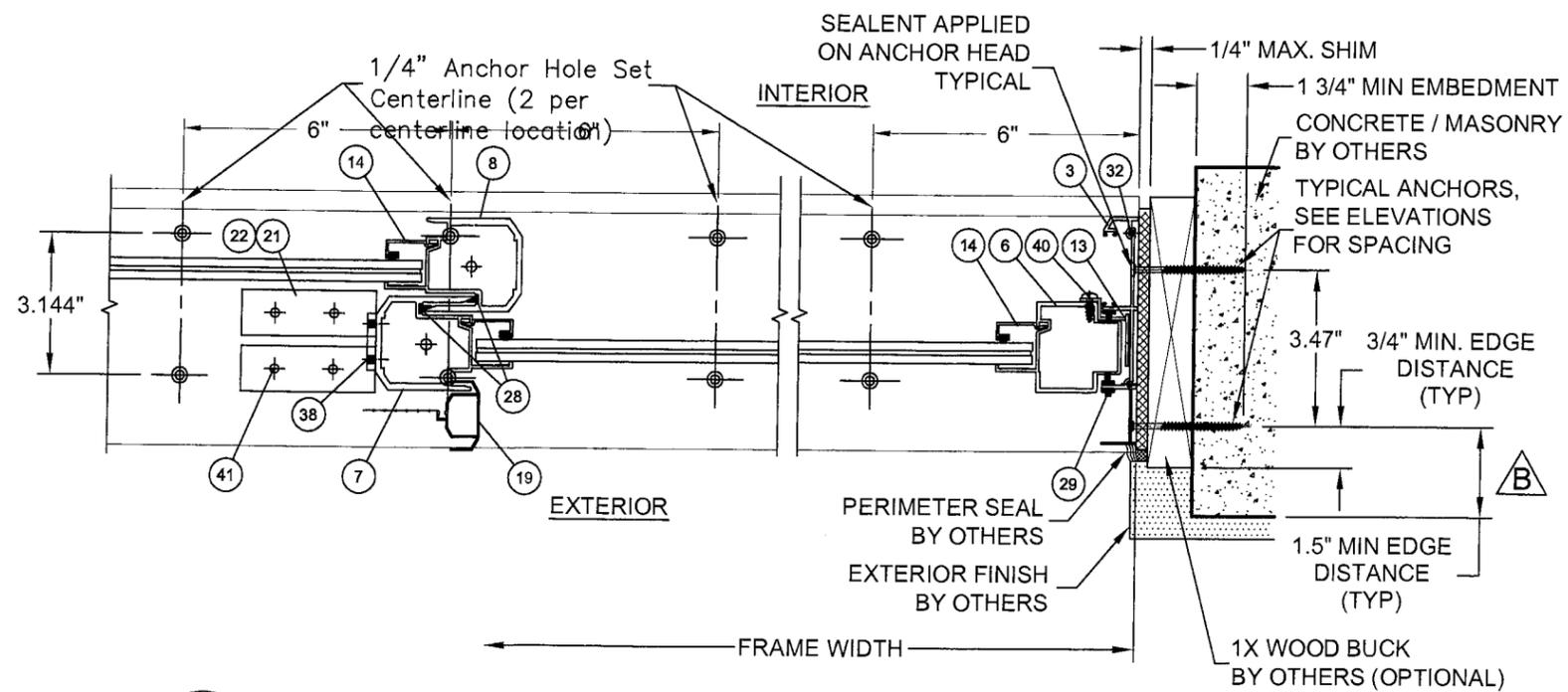
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 Miami Data Product Control Division  
 By: *[Signature]*



**C HORIZONTAL SECTION**  
WOOD FRAME SUBSTRATE

**D HORIZONTAL SECTION**  
AT INTERLOCK

**E HORIZONTAL SECTION**  
AT ASTRAGAL



**F HORIZONTAL SECTION**  
AT INTERLOCK

**G HORIZONTAL SECTION**  
CONCRETE / MASONRY SUBSTRATE

		CD	BY
	10/09/09	CD	DATE
B	Revise anchor separation and edge distances.		
A	Revise edge distance.	09/21/09	
REV	DESCRIPTION		

FLORIDA EXTRUDERS INTERNATIONAL, INC. 2540 JEWETT LANE SANFORD, FLORIDA 32771-1687		DATE: 03/23/09	DRAWING NO: FEI0007
TITLE: MILESTONE SERIES 3250 ALUMINUM SLIDING GLASS DOOR HORIZONTAL SECTIONS		SCALE: 1:4	REV: B
DRAWN BY: C.D.		SHEET: 4 OF 6	

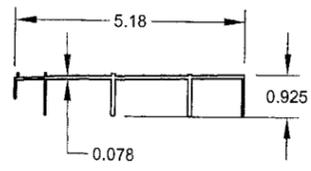
PREPARED BY:

PTC, LLC  
Phone 321.680.1788  
Fax 321.680.1789

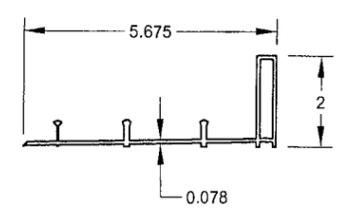
PROJECT #309-0215  
Robert J. Amoroso, P.E.  
FL License no. 49752  
10/14/09  
PTC, LLC  
1535 N. Cogswell Street, Suite C25  
Rockledge, Florida 32955  
FBPE Certificate of Authorization NO. 25935

Approved as complying with the Florida Building Code  
Date 12/16/2009  
NOA# 09-0519.07  
Miami-Dade Product Control Division  
By: *[Signature]*

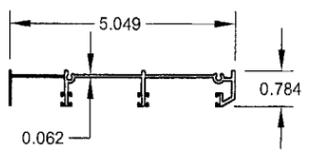
① FRAME HEAD



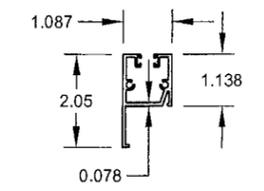
② FRAME SILL



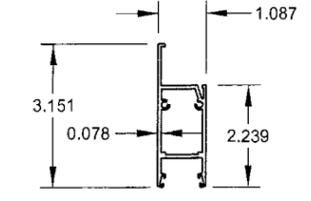
③ FRAME JAMB



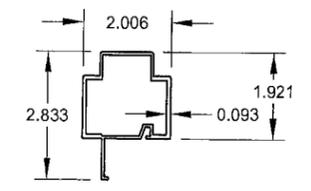
④ PANEL HEAD



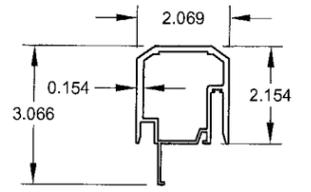
⑤ PANEL SILL



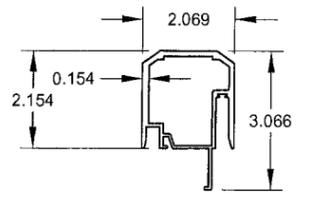
⑥ PANEL LOCK STILE



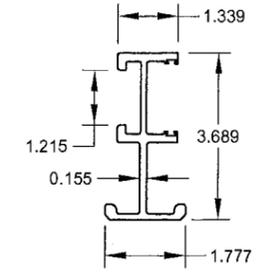
⑦ PANEL INTERLOCK - OUTER



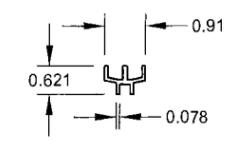
⑧ PANEL INTERLOCK - INNER



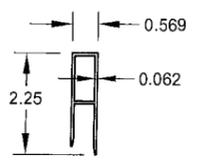
⑨ PANEL ASTRAGAL ADAPTOR



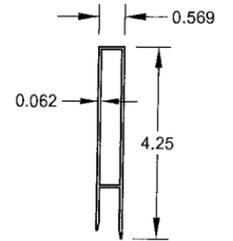
⑩ FIXED PANEL REST



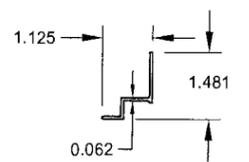
⑪ SILL RISER (STANDARD)



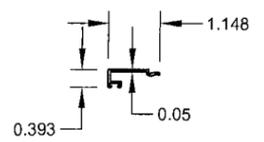
⑫ SILL RISER (HIGH)



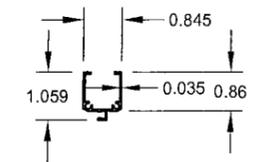
⑬ FIXED PANEL CLIP



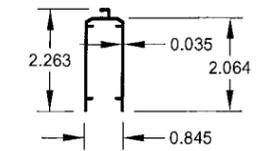
⑭ GLAZING BEAD



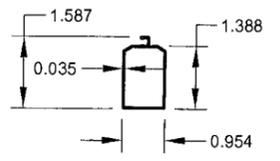
⑮ SCREEN HEAD



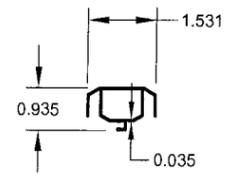
⑯ SCREEN SILL



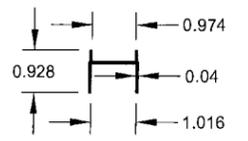
⑰ SCREEN LOCK STYLE



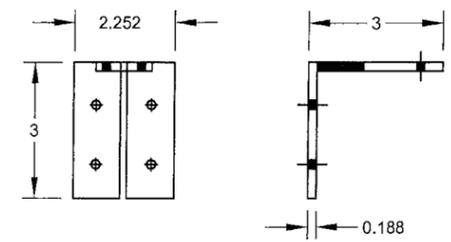
⑱ SCREEN INTERLOCK



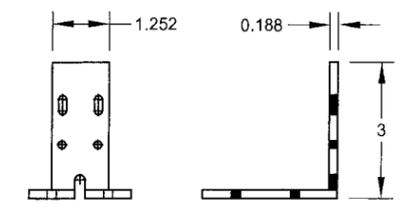
⑳ SCREEN BUTT ADAPTOR



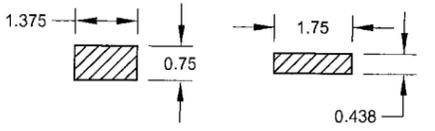
㉑ TOP INTERLOCK CLIP



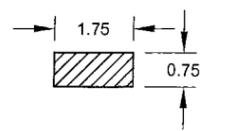
㉒ BOTTOM INTERLOCK CLIP



㉓ ㉔ INTERLOCK STEEL REINFORCEMENT



㉕ LOCK STYLE STEEL REINFORCEMENT



B	No change this sheet.	10/09/09	CD
A	Add thicknesses to all parts, clarify sill risers.	09/21/09	CD
REV	DESCRIPTION	DATE	BY

FLORIDA EXTRUDERS INTERNATIONAL, INC.  
 2540 JEWETT LANE  
 SANFORD, FLORIDA 32771-1687

TITLE: MILESTONE SERIES 3250 ALUMINUM SLIDING GLASS DOOR COMPONENTS

PREPARED BY: PTC, LLC  
 Phone 321.690.1788  
 Fax 321.690.1789

DATE: 03/23/09  
 DRAWING NO: FEI0007  
 SCALE: 1:4  
 SHEET: 5 OF 6

PROJECT #309-0215

Robert J. Amoroso, P.E.  
 FL License no. 49752

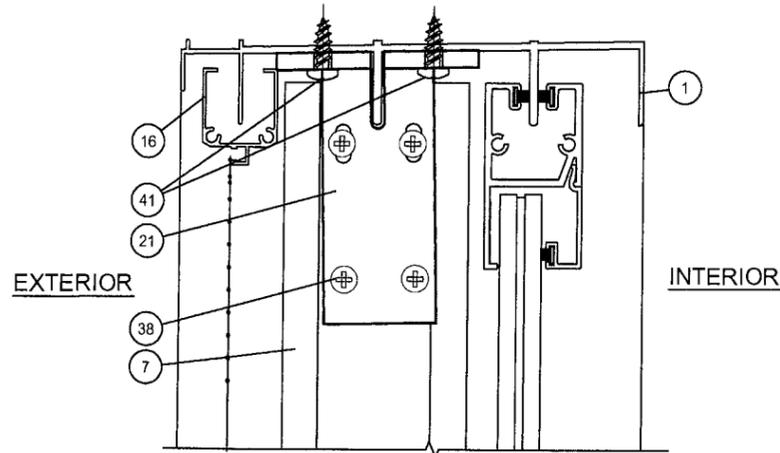
*Robert J. Amoroso*

PTC, LLC  
 1535 N. Cogswell Street, Suite C25  
 Rockledge, Florida 32955  
 FBPE Certificate of Authorization NO. 258935

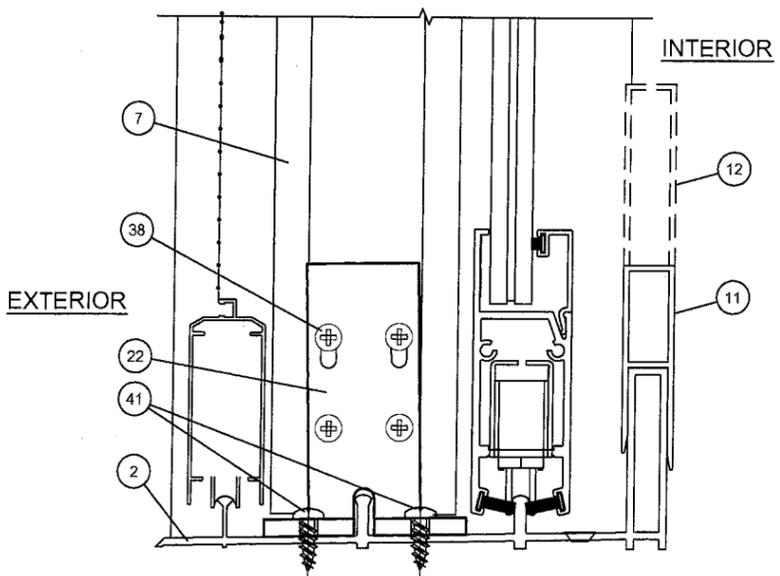
Approved as complying with the Florida Building Code

Date: 12/16/2009  
 NOA#: 09-0519-07  
 Division: Product Control

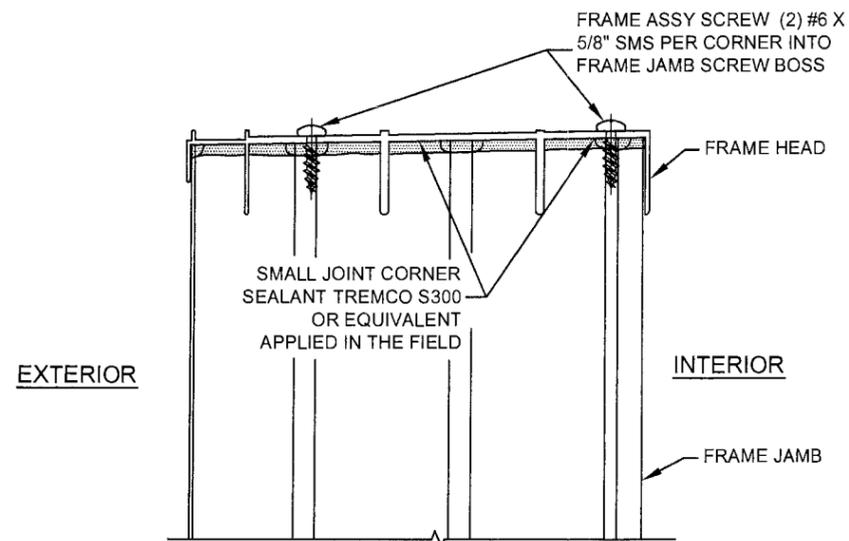
By: *James P. ...*



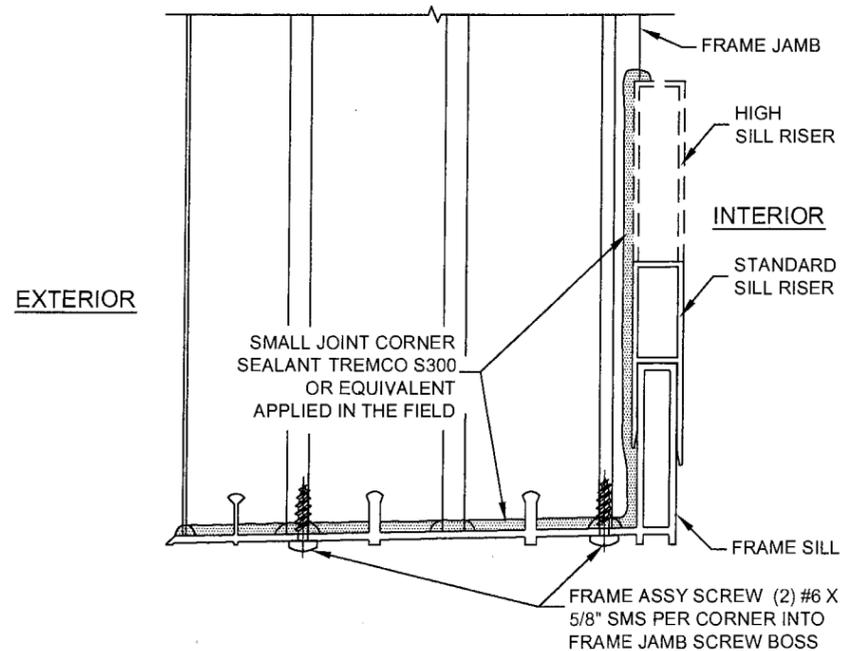
**H** VERTICAL SECTION  
TOP FIX PANEL CLIP  
SCALE: 1:2



**I** VERTICAL SECTION  
BOTTOM FIX PANEL CLIP  
SCALE: 1:2

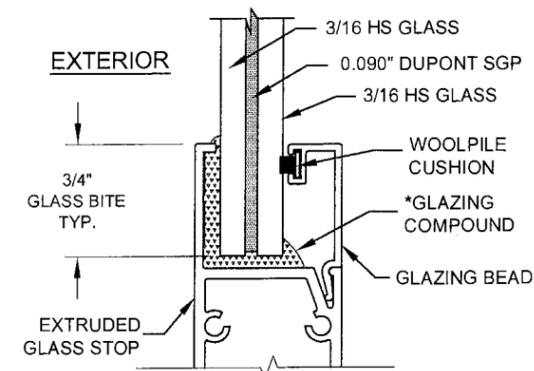


**CORNER DETAIL**  
ASSEMBLY AT HEAD  
SCALE: 1:2



**CORNER DETAIL**  
ASSEMBLY AT SILL  
SCALE: 1:2

BILL OF MATERIALS			
ITEM #	PART DESCRIPTION	PART # OR FEI DWG NO	MATERIAL
1	FRAME HEAD	FE 5159	ALUM. EXTRUSION (6063-T6)
2	FRAME SILL	FE 5160	ALUM. EXTRUSION (6063-T6)
3	FRAME JAMB	FE 5161	ALUM. EXTRUSION (6063-T6)
4	PANEL HEAD	FE 5155	ALUM. EXTRUSION (6063-T6)
5	PANEL SILL	FE 5156	ALUM. EXTRUSION (6063-T6)
6	PANEL LOCK STILE	FE 5157	ALUM. EXTRUSION (6005-T5)
7	HD PANEL INTERLOCK - OUTER	FE 5178	ALUM. EXTRUSION (6005-T5)
8	HD PANEL INTERLOCK - INNER	FE 5179	ALUM. EXTRUSION (6005-T5)
9	PANEL ASTRAGAL ADAPTER	FE 5180	ALUM. EXTRUSION (6005-T5)
10	FIXED PANEL REST	FE 5162	ALUM. EXTRUSION (6063-T6)
11	2 1/4" SILL RISER (STANDARD)	FE 5123	ALUM. EXTRUSION (6063-T6)
12	4 1/4" SILL RISER (HIGH)	FE 5127	ALUM. EXTRUSION (6063-T6)
13	FIXED PANEL CLIP	FE 5154	ALUM. EXTRUSION (6063-T6)
14	7/8" GL. BEAD HOR. & VERT. (Large Missile Impact Glazing)	FE 5166	ALUM. EXTRUSION (6063-T6)
16	SCREEN HEAD	FE 5107	ALUM. EXTRUSION (6063-T6)
17	SCREEN SILL	FE 5108	ALUM. EXTRUSION (6063-T6)
18	SCREEN LOCK STILE	FE 5110	ALUM. EXTRUSION (6063-T6)
19	SCREEN INTERLOCK	FE 5109	ALUM. EXTRUSION (6063-T6)
20	SCREEN BUTT ADAPTER	FE 5119	ALUM. EXTRUSION (6063-T6)
21	TOP INTERLOCK CLIP	FEI 5173-2	ALUM. EXTRUSION (6063-T6)
22	BOTTOM INTERLOCK CLIP	FEI 5173-1	ALUM. EXTRUSION (6063-T6)
23	INTERLOCK STEEL REINFORCEMENT 3/4"x1 3/8"	FEI 1696	STEEL BAR (AISI C1018)
24	INTERLOCK STEEL REINFORCEMENT 7/16"x1 3/4"	FEI 1697	STEEL BAR (AISI C1018)
25	LOCK STILE STEEL REINFORCEMENT 3/4"x1 3/4"	FEI 1695	STEEL BAR (AISI C1018)
26	PANEL HEAD WEATHERSTRIP		PILE .187 BASEx.240 HG.
27	PANEL SILL WEATHERSTRIP		FIN SEAL .187 BASEx.440 HG.
28	INTERLOCK PANEL WEATHERSTRIP		TRIFIN .187 BASEx.360 HG.
29	FR. JAMB WEATHERSTRIP		.187 BASEx.360 HG. PILE
30	ASTRAGAL STILE WEATHERSTRIP		.187 BASEx.360 HG. PILE
31	PANEL ASSY SCREW		#8x1 1/2 PN SMS SS
32	FRAME ASSY SCREW		#6x3/8" PN SMS SS
33	SECONDARY MORTISE LOCK SET		WITH ACTIVATOR & #6x1/2" SMS
34	SINGLE MORTISE LOCK SET		AND KEEPER (2) #8x1" SMS PN
35	HANDLE SET		DIE CAST
36	TANDEM ROLLERS		SS W/(2)#8x1/2" FH SMS
37	SINGLE NYLON ROLLERS		SCREEN ONLY
38	TOP & BOT CLIPS ANCH @ STILES		#10x1 1/2" PN SMS SS
39	ASTRAGAL INSTALLATION SCREW		#8x3/4" PN SMS SS
40	FIXED PANEL ANCHOR HEAD & SILL CLIPS ANCH @STILES		#6X1/2" PN SMS
41			#10x1/2" PN SMS SS



**LMI GLAZING DETAIL**

\*APPROVED GLAZING COMPOUNDS  
1- NATIONAL STARCH HOT MELT  
2- DOW CORNING 995 SILICONE

NOTE: DOOR UNIT WAS TESTED AND PRODUCT APPROVED FOR LARGE MISSILE USING:  
3/16" HS GLASS - 0.090 DUPONT SGP-  
3/16" HS GLASS  
(HS= HEAT STRENGTHENED)

CD	10/09/09	CD	BY
B	No change this sheet.	A	DATE
REV	REV	DESCRIPTION	DATE
		Revise glass bite glazing compound and sealant.	09/21/09

FLORIDA EXTRUDERS INTERNATIONAL, INC.  
2540 JEWETT LANE  
SANFORD, FLORIDA 32771-1687

TITLE: MILESTONE SERIES 3250 ALUMINUM SLIDING GLASS DOOR  
BILL OF MATERIALS AND GLAZING DETAIL

PREPARED BY: PTC, LLC  
DRAWN BY: C.D.  
DATE: 03/23/09  
DRAWING NO: FEI0007  
SHEET: 6 OF 6

PTC, LLC  
Phone 321.690.1788  
Fax 321.690.1789

PROJECT #309-0215

Robert J. Anoruso, P.E.  
FL License no. 49752

*Handwritten signature and date: 10/14/09*

PTC, LLC  
1535 N. Cogswell Street, Suite C25  
Rockledge, Florida 32955

FBPE Certificate of Authorization NO. 26935

Approved as complying with the Florida Building Code

Date 12/16/2009

NOA# 09-0519.07

Miami Dade Product Control Division

By *Handwritten signature*