



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) 372-6339

## NOTICE OF ACCEPTANCE (NOA)

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

**K.D. Windows, Inc.**  
3705 Shares Place  
Riviera Beach, FL 33404

### **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 600 Aluminum Sliding Glass Door – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **07-002**, titled "American Coastal 600 Aluminum Sliding Glass Door", sheets 1 through 5 of 5, dated 01/03/07, prepared by EngCo Inc., signed and sealed by Pedro De Figueiredo, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration 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.

**REVISION** 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 **renews NOA # 06-1205.01** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No. **08-0227.18**  
Expiration Date: **December 27, 2008**  
Approval Date: **April 03, 2008**  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

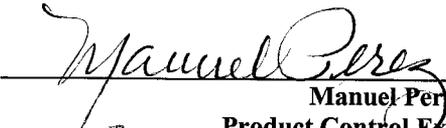
1. Manufacturer's die drawings and sections.
2. Drawing No **07-002**, Sheets 1 through 5 of 5, titled "American Coastal 600 Aluminum Sliding Glass Door", dated 01/03/07, prepared by EngCo Inc., signed and sealed by Pedro De Figueiredo, P.E.  
*(Submitted under NOA# 06-1205.01)*

**B. TESTS**

1. Test reports on:
  - 1) Air Infiltration Test, per PA 202-94
  - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
  - 3) Water Resistance Test, per PA 202-94
  - 4) Large Missile Impact Test per SFBC, PA 201-94
  - 5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
  - 6) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94Along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Hurricane Testing laboratory Inc, Test Report No. **HTL-0145-0103-99 (sp#1)** dated 01-08-1999 and **HTL-0145-1106-99** dated 11-08 thru 12-13-1999, signed and sealed by Vinu Abraham, P.E.  
*(Submitted under NOA# 06-1205.01)*
2. Revised Test reports on:
  - 1) Large Missile Impact Test per PA 201-94
  - 2) Cyclic Wind Pressure Loading per PA 203-94Along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Hurricane Testing laboratory Inc, Test Reports No. **HTL-0145-1106-99 (sp #1 & #2)** dated 11/15/99, signed and sealed by Vinu J. Abraham, P.E.  
*(Submitted under NOA# 06-1205.01)*
3. Revised Test reports on:
  - 1) Large Missile Impact Test per PA 201-94
  - 2) Cyclic Wind Pressure Loading per PA 203-94Along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Hurricane Testing laboratory Inc, Test Reports No. **HTL-0145-1210-99 (sp #2)** dated 12/13/99, signed and sealed by Vinu J. Abraham, P.E.  
*(Submitted under NOA# 06-1205.01)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by EngCo, Inc., dated 01/05/07, signed and sealed by Pedro De Figueiredo, P.E.  
**Complies with ASTM E1300-02**  
*(Submitted under NOA# 06-1205.01)*

  
\_\_\_\_\_  
Manuel Perez, P.E.  
Product Control Examiner

NOA No. 08-0227.18

Expiration Date: December 27, 2008

Approval Date: April 03, 2008

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "**Saflex III Clear or colored interlayer**" dated 05/04/06, expiring on 05/21/11.
2. Notice of Acceptance No. **03-0916.02** issued to Nebula Glass International, Inc. for their "**Glasslam Safety-Plus Laminated Glass**" dated 10/23/03, expiring on 09/09/08.

**F. STATEMENTS**

1. Statement letter of conformance and no financial interest, dated January 6, 2007, signed and sealed by Pedro De Figueiredo, P.E.
2. Statement letter from manufacturer stating that the product has not changed and requesting a One-Year Renewal to allow the time to perform a verification test, dated 11/9/06, signed by Vincent Conway.
3. Letter from laboratory confirming manufacturer has contracted and scheduled verification tests, issued by Hurricane Test Lab., dated 02/08/07, signed by Urmilla Jokhu-Sowell, P.E.
4. Letter from laboratory confirming manufacturer has contracted and scheduled verification tests, issued by Hurricane Test Lab., dated February 20, 2008, signed by Mr. Vinu J. Abraham, P.E.

**G. OTHERS**

1. Notice of Acceptance No. **06-1205.01**, issued to K.D. Windows, Inc. for their Series 600 Aluminum Sliding Glass Door – L.M.I., approved on 03/08/07 and expiring on 12/27/07.
2. One year conditional approval, subjected to successful verification test, the final approval will be balanced of total 5 years.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 08-0227.18  
Expiration Date: December 27, 2008  
Approval Date: April 03, 2008

**INDEX:**

- SHEET 1 of 5 - GENERAL NOTES AND DOOR COMPONENTS
- SHEET 2 of 5 - TYPICAL ELEVATIONS O0XX00, 00XX0, 0XX0
- SHEET 3 of 5 - TYPICAL ELEVATIONS OX0, OX, XX
- SHEET 4 of 5 - HORIZONTAL DETAILS
- SHEET 5 of 5 - VERTICAL DETAILS, GLAZING DETAIL AND SILL DRAINAGE

**GENERAL NOTES:**

1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2004 INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

2- DEFINITION: THIS PRODUCT IS AN ALUMINUM SLIDING GLASS DOOR IMPACT RESISTANT.

3- POSTING: 'AMERICAN COASTAL 600 - IMPACT ALUMINUM SLIDING GLASS DOORS KD WINDOWS - RIVIERA BEACH - FLORIDA DADE COUNTY PRODUCT CONTROL APPROVED'

4- DESIGN LOADS: THE DESIGNED LOADS MUST BE CALCULATED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE APPROVED PRESSURE.

5- MATERIAL: ALL ALUMINUM PARTS TO BE 6063-T5 ALLOY OR AS NOTED AND GLAZING TO BE LAMINATED IMPACT RESISTANT GLASS AS SPECIFIED ON THIS APPROVAL.

6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL. ANCHOR QUANTITY & SPACING MUST NOT EXCEED THE MAXIMUM LIMITS SPECIFIED BY THIS APPROVAL.

7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:

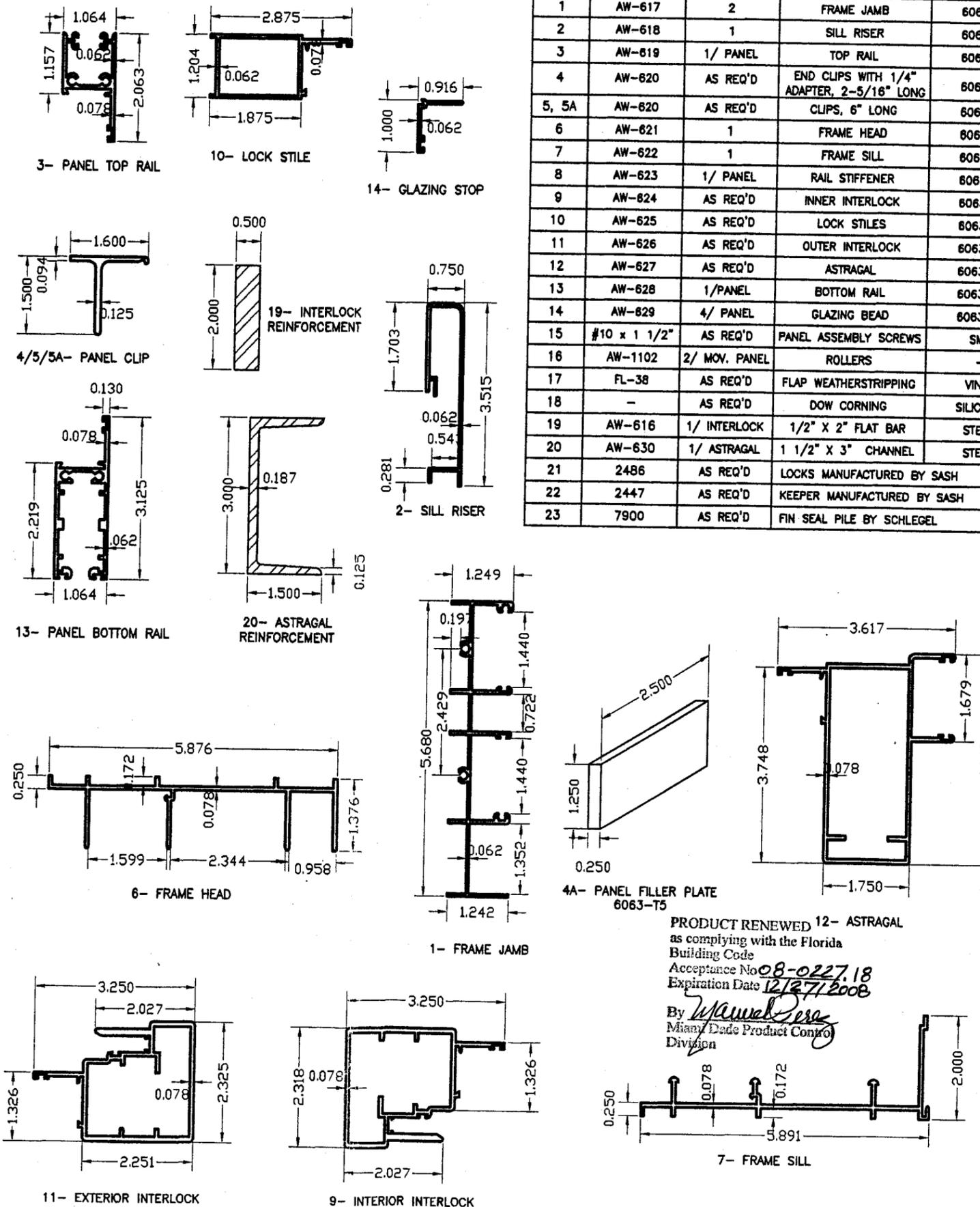
- 7.1- THE STABILITY OF THE STRUCTURE WHERE THE PRODUCT IS TO BE ATTACHED INSURING PROPER ANCHORAGE.
- 7.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.
- 7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.

8- 33 1/3% INCREASE IN ALLOWABLE LOADS HAVE NOT BEEN USED IN THE DESIGN OF THE ANCHORS FOR THIS PRODUCT APPROVAL, HOWEVER, WOOD SCREWS WITH 1.6 INCREASE FOR WIND LOAD DURATION HAVE BEEN USED.

9- DISSIMILAR MATERIALS: MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL, THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BUILDING CODE SECTION 2003.8.4.

**DOOR ALLOWABLE DESIGNED PRESSURES**  
**+70 PSF, -85 PSF**

**DOOR COMPONENTS**



**MATERIAL LIST**

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL
1	AW-617	2	FRAME JAMB	6063-T5
2	AW-618	1	SILL RISER	6063-T6
3	AW-619	1/ PANEL	TOP RAIL	6063-T6
4	AW-620	AS REQ'D	END CLIPS WITH 1/4" ADAPTER, 2-5/16" LONG	6063-T6
5, 5A	AW-620	AS REQ'D	CLIPS, 6" LONG	6063-T6
6	AW-621	1	FRAME HEAD	6063-T5
7	AW-622	1	FRAME SILL	6063-T5
8	AW-623	1/ PANEL	RAIL STIFFENER	6063-T6
9	AW-624	AS REQ'D	INNER INTERLOCK	6063-T6
10	AW-625	AS REQ'D	LOCK STILES	6063-T6
11	AW-626	AS REQ'D	OUTER INTERLOCK	6063-T6
12	AW-627	AS REQ'D	ASTRAGAL	6063-T6
13	AW-628	1/PANEL	BOTTOM RAIL	6063-T6
14	AW-629	4/ PANEL	GLAZING BEAD	6063-T6
15	#10 x 1 1/2"	AS REQ'D	PANEL ASSEMBLY SCREWS	SMS
16	AW-1102	2/ MOV. PANEL	ROLLERS	-
17	FL-38	AS REQ'D	FLAP WEATHERSTRIPPING	VINYL
18	-	AS REQ'D	DOW CORNING	SILICONE
19	AW-616	1/ INTERLOCK	1/2" X 2" FLAT BAR	STEEL
20	AW-630	1/ ASTRAGAL	1 1/2" X 3" CHANNEL	STEEL
21	2486	AS REQ'D	LOCKS MANUFACTURED BY SASH	
22	2447	AS REQ'D	KEEPER MANUFACTURED BY SASH	
23	7900	AS REQ'D	FIN SEAL PILE BY SCHLEGEL	

Manufacturer:  
**KD Windows**  
 3705 SHARES PLACE  
 RIVIERA BCH, FL. 33404  
 TEL.: (561) 845-1401  
 FAX: (561) 845-1498

Product:  
**AMERICAN COASTAL 600**  
 ALUMINUM SLIDING GLASS DOOR

Engineering:  
**EngCo Inc.**

CA 8116  
 6971 W. SUNRISE BLVD. 104  
 PLANTATION, FL. 33313  
 TEL.: (954) 585-0304  
 FAX.: (954) 585-0305

**JAN 06 2007**

Engineer Seal  
 Pedro De Figueiredo  
 PE 52609

Date: 01/03/07  
 Scale: NA  
 Design by: PPMF

PRODUCT RENEWED DIVISION:  
 as complying with the Florida Building Code  
 Acceptance No. 010-1205-01  
 Expiration Date DEC. 21, 2007  
 By Maurice Pera  
 Miami Dade Product Control Division

Drawing Number  
**07-002**

Sheet  
 1 of 5

MAXIMUM OPERABLE PANEL WIDTH = 49 5/8"  
 MAXIMUM FIXED PANEL WIDTH = 48 1/2"

# TYPICAL OOXX00, OOXXO AND OXXO ELEVATIONS

Manufacturer:  
**KD**  
**Windows**  
 3705 SHARES PLACE  
 RIVIERA BCH, FL. 33404  
 TEL.: (561) 845-1401  
 FAX: (561) 845-1498

Product:  
**AMERICAN**  
**COASTAL 600**  
 ALUMINUM SLIDING  
 GLASS DOOR

Engineering:  
**EngCo Inc.**  
 CA 8116  
 6971 W. SUNRISE BLVD. 104  
 PLANTATION, FL. 33313  
 TEL.: (954) 585-0304  
 FAX.: (954) 585-0305

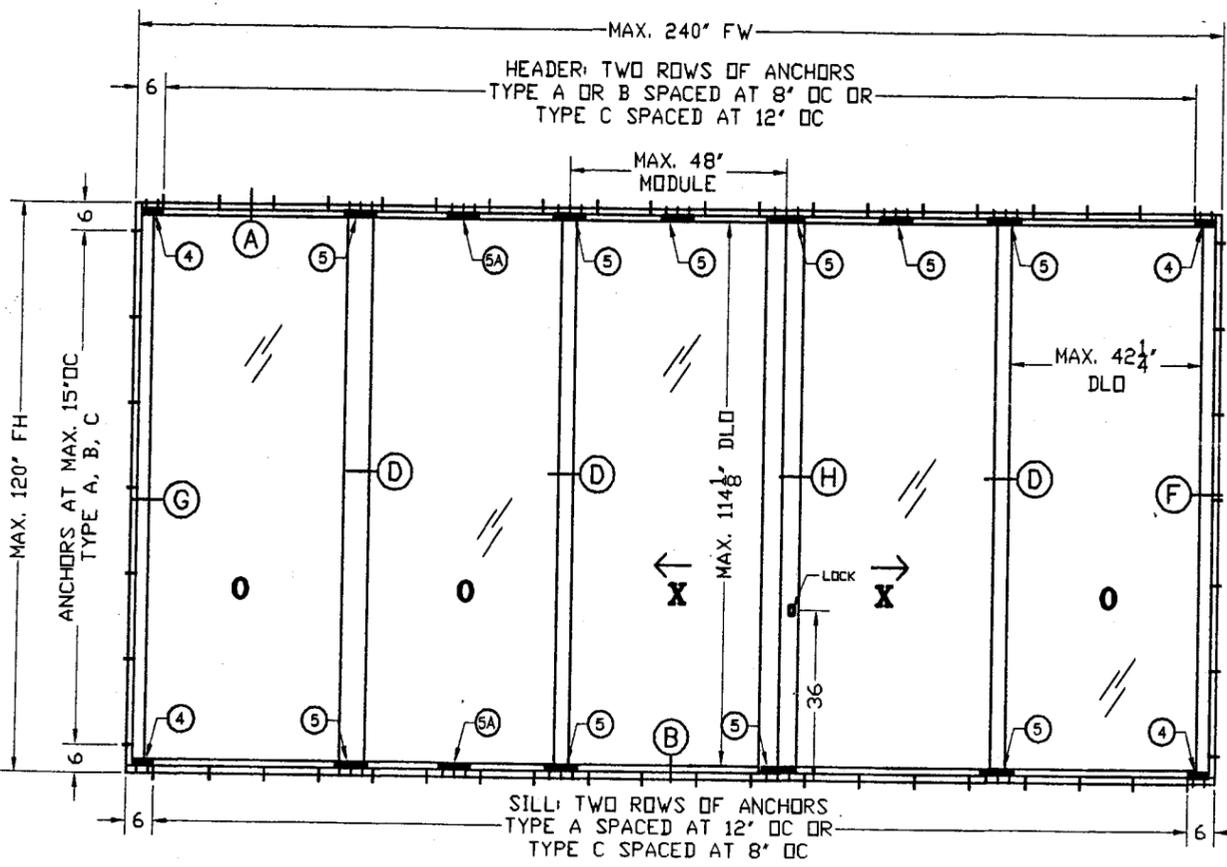
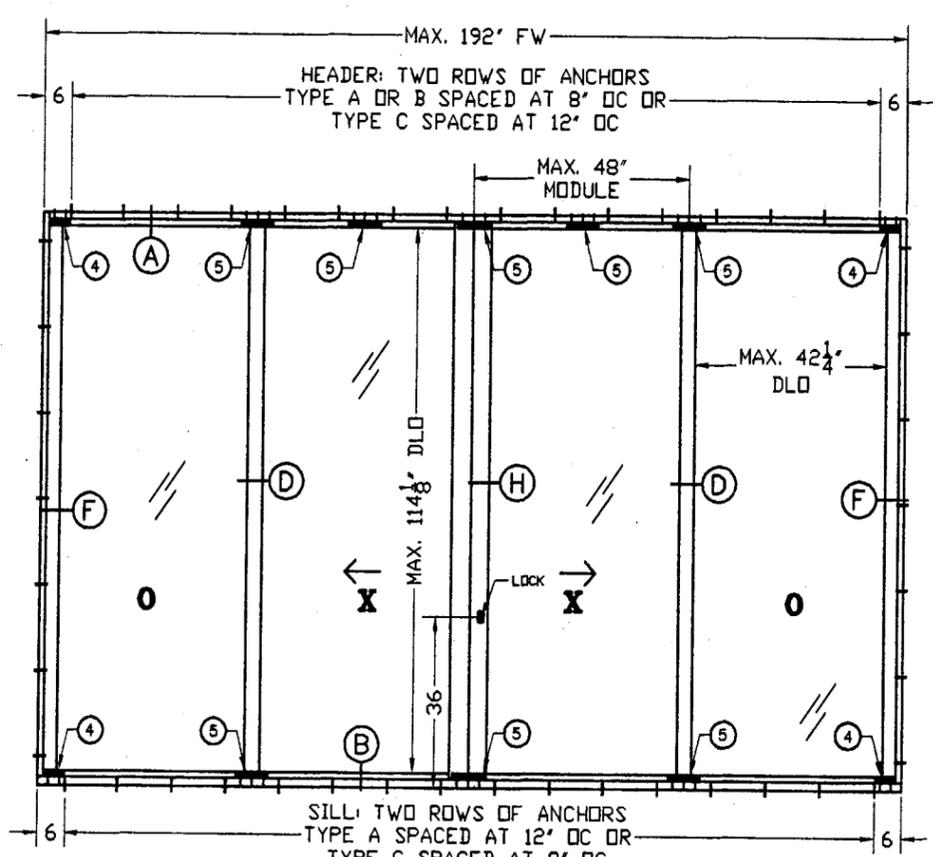
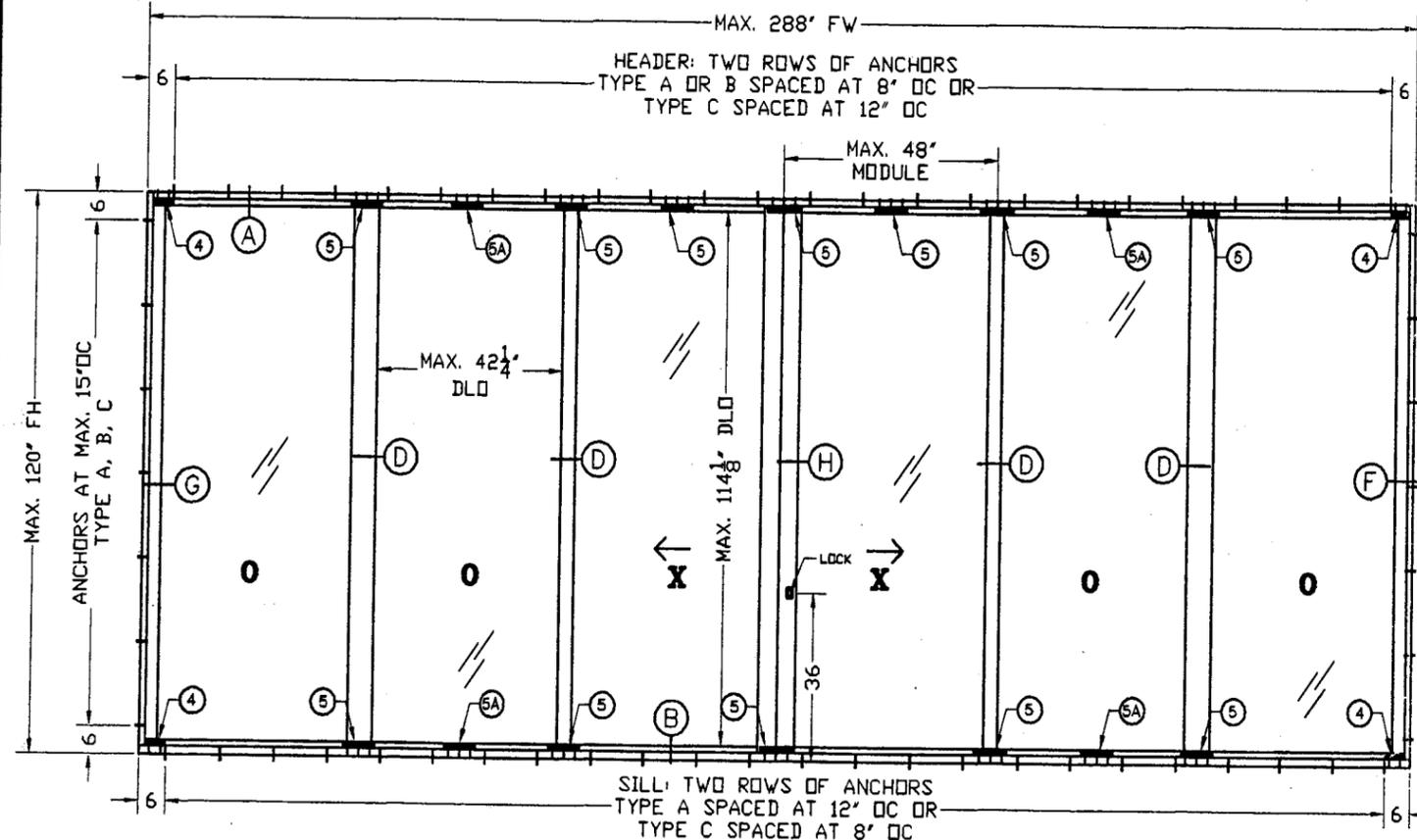
**JAN 06 2007**  
 Engineer Seal  
 Pedro De Figueiredo  
 PE 52609

Date: 01/03/07  
 Scale: NA  
 Design by: PPMF

**PRODUCT REVISION** DIVISION:  
 as complying with the Florida  
 Building Code  
 Acceptance No. 06-1205.01  
 Expiration Date DEC 27 2007  
 By *Manuel Serra*  
 Miami Dade Product Control  
 Division

Drawing Number  
 07-002

Sheet  
 2 of 5



**ANCHOR TYPES:**  
 A- 1/4" TAPCON BY ITW WITH 1 3/4" MIN. EMBED. INTO 3192 PSI CONCRETE  
 B- 1/4" TAPCON BY ITW THROUGH 1X PT WOOD W/ 1" EMBED. INTO 3192 PSI CONCRETE  
 C- #14 WOOD SCREWS OR 1/4" TAPCONS WITH 1 1/2" MIN. EMBED. INTO PT WOOD (SG)=.55)

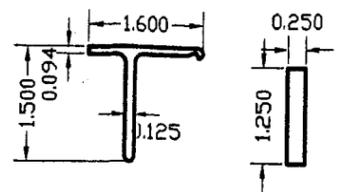
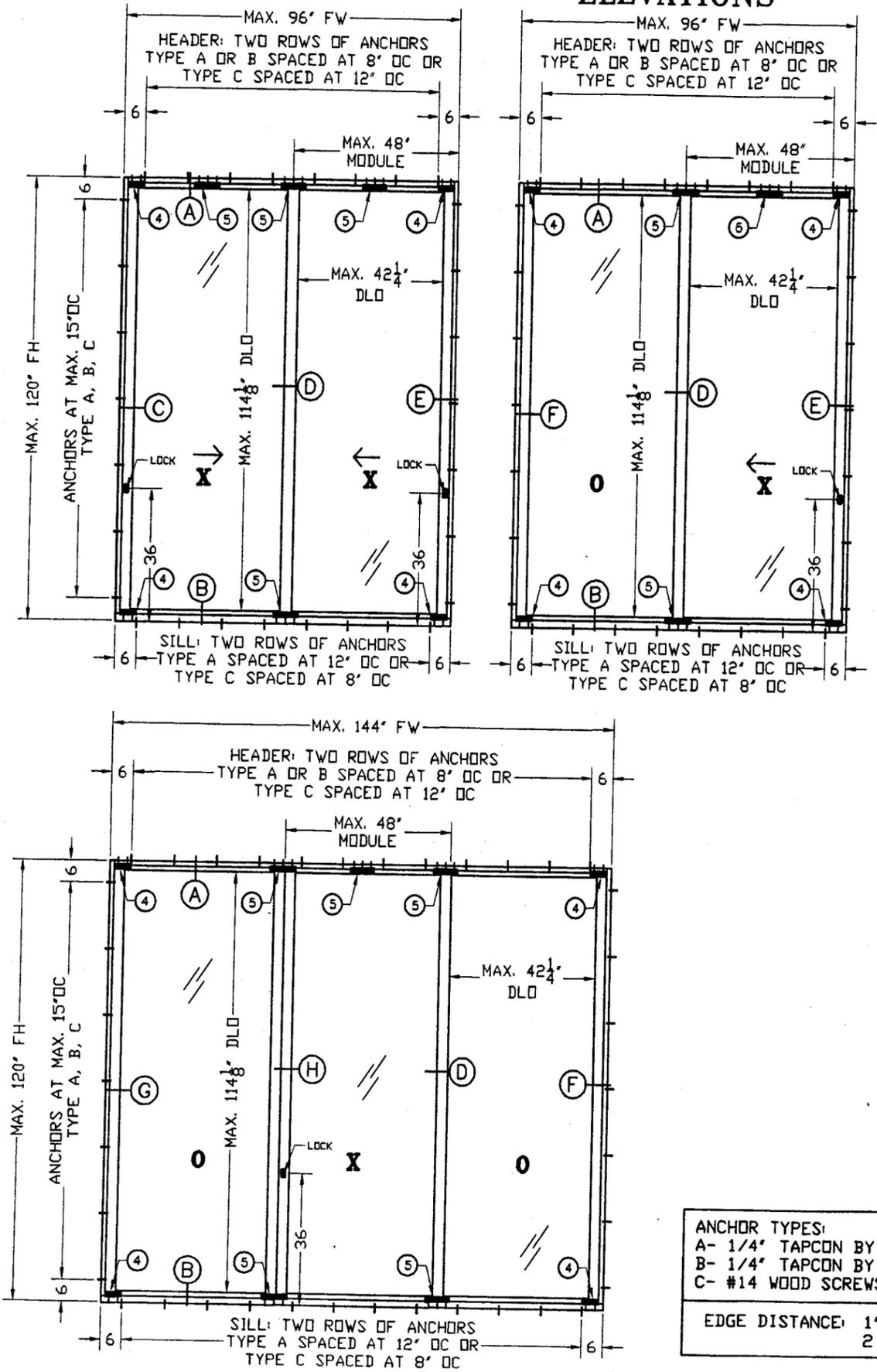
**EDGE DISTANCE:** 1" INTO WOOD  
 2 1/2" INTO CONCRETE

MAXIMUM OPERABLE PANEL WIDTH = 49 5/8"  
 MAXIMUM FIXED PANEL WIDTH = 48 1/2"

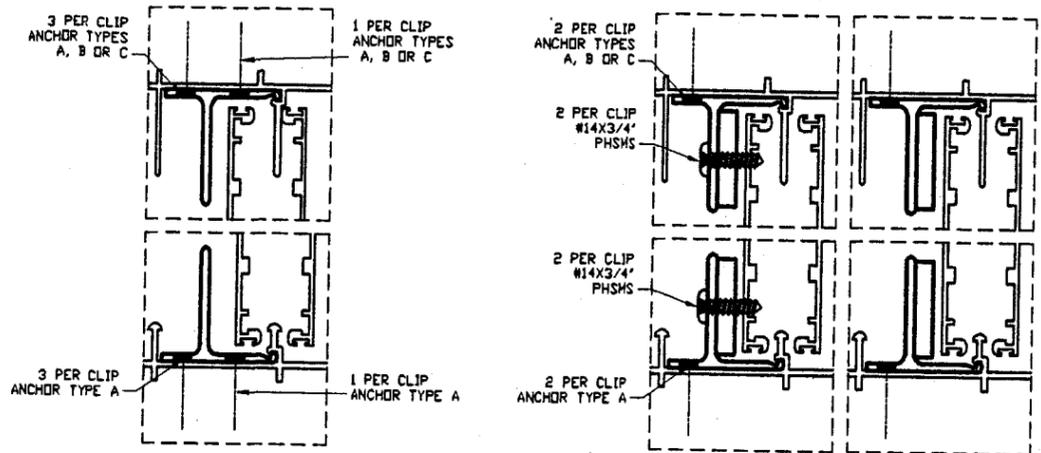
**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 08-0227.18  
 Expiration Date 12/27/2008  
 By *Manuel Serra*  
 Miami Dade Product Control  
 Division

MAXIMUM OPERABLE PANEL WIDTH = 49 5/8"  
 MAXIMUM FIXED PANEL WIDTH = 48 1/2"

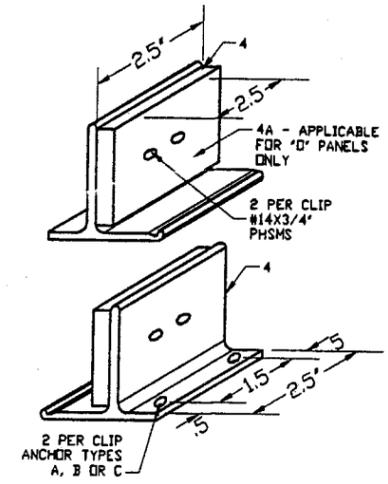
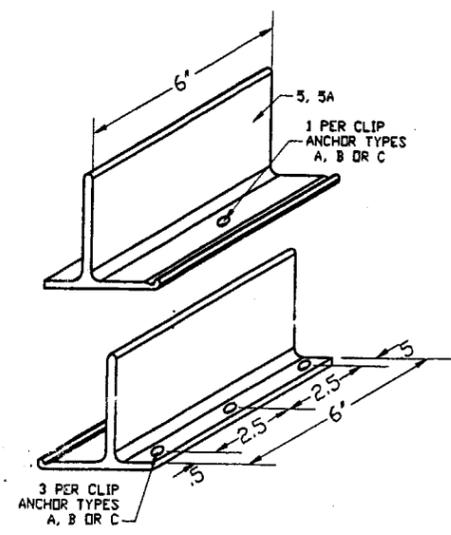
### TYPICAL OX, XX AND OXO ELEVATIONS



### TYPICAL CLIP DETAILS 4, 5 AND 5A



DETAIL 5 - AT HEADER AND SILL ON EACH INTERLOCK AND MEETING STILES  
 DETAIL 5A AT HEADER ONLY ON THE MIDDLE OF MOVABLE 'X' PANELS



**ANCHOR TYPES:**  
 A- 1/4" TAPCON BY ITW WITH 1 3/4" MIN. EMBED. INTO 3192 psi CONCRETE  
 B- 1/4" TAPCON BY ITW THROUGH 1X PT WOOD W/ 1" EMBED. INTO 3192 psi CONCRETE  
 C- #14 WOOD SCREWS OR 1/4" TAPCONS WITH 1 1/2" MIN. EMBED. INTO PT WOOD (SG) = 55)

**EDGE DISTANCE:** 1" INTO WOOD  
 2 1/2" INTO CONCRETE

PRODUCT RENEWED  
 as complying with the Florida Building Code  
 Acceptance No 08-0227-18  
 Expiration Date 12/27/2008  
 By *Manuel Perez*  
 Miami Trade Product Control Division

Manufacturer:  
**KD Windows**  
 3705 SHARES PLACE  
 RIVIERA BCH, FL. 33404  
 TEL: (561) 845-1401  
 FAX: (561) 845-1498

Product:  
**AMERICAN COASTAL 600**  
 ALUMINUM SLIDING GLASS DOOR

Engineering:  
**EngCo Inc.**  
 CA 8116  
 6971 W. SUNRISE BLVD. 104  
 PLANTATION, FL. 33313  
 TEL: (954) 585-0304  
 FAX: (954) 585-0305

*Signature*  
**JAN 06 2007**  
 Engineer Seal  
 Pedro De Figueiredo  
 PE 52609

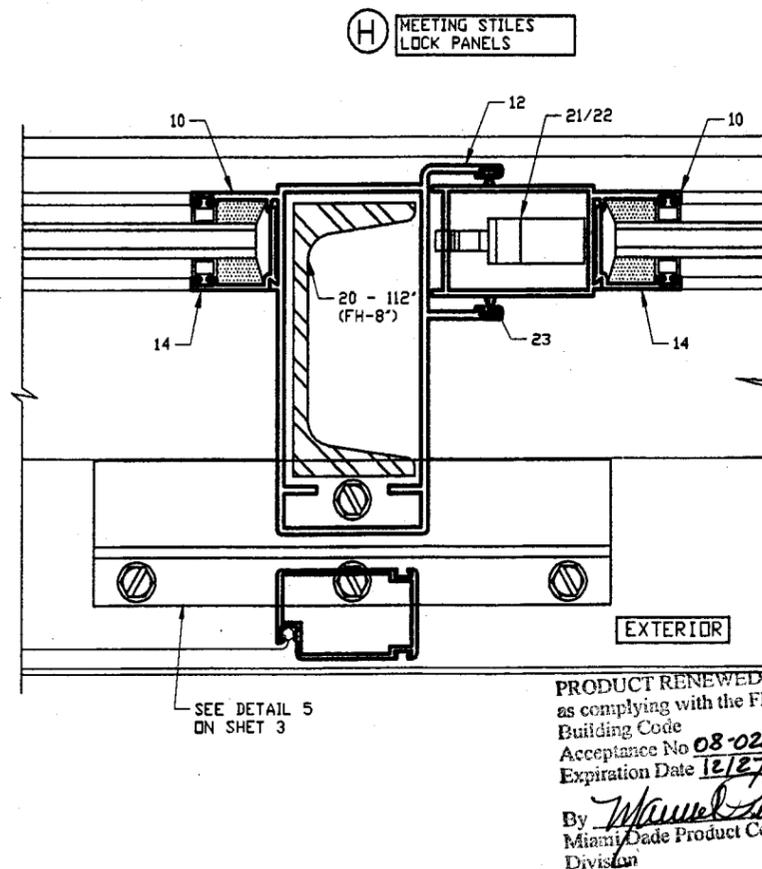
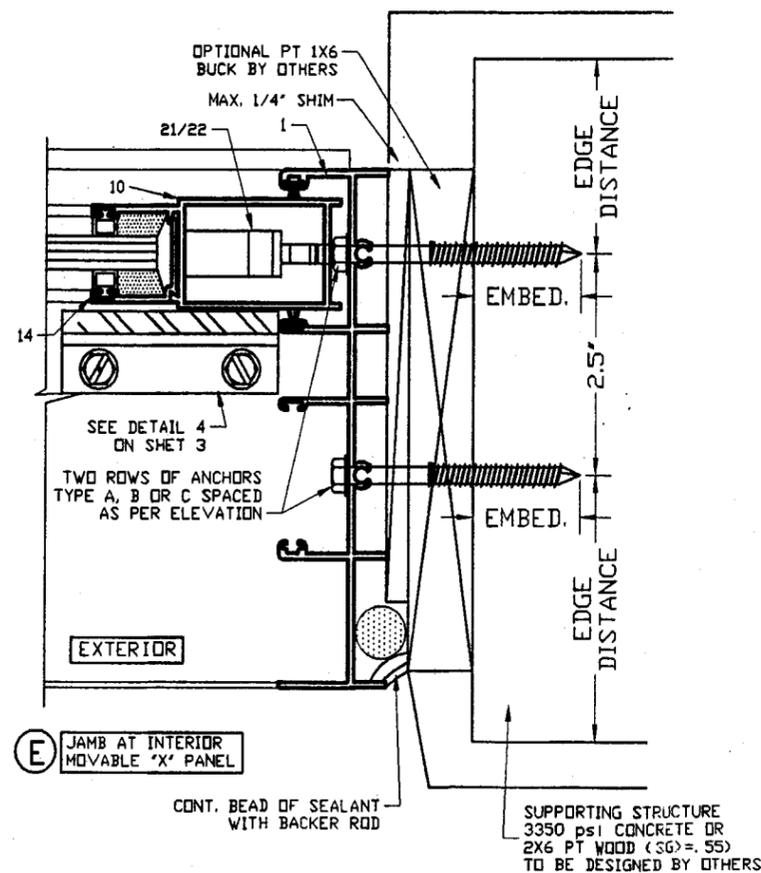
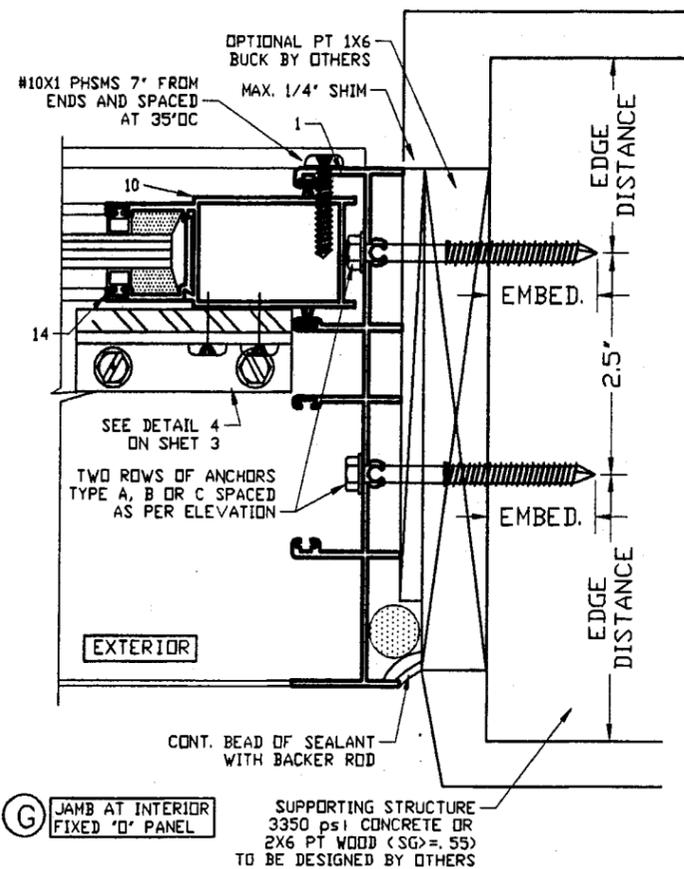
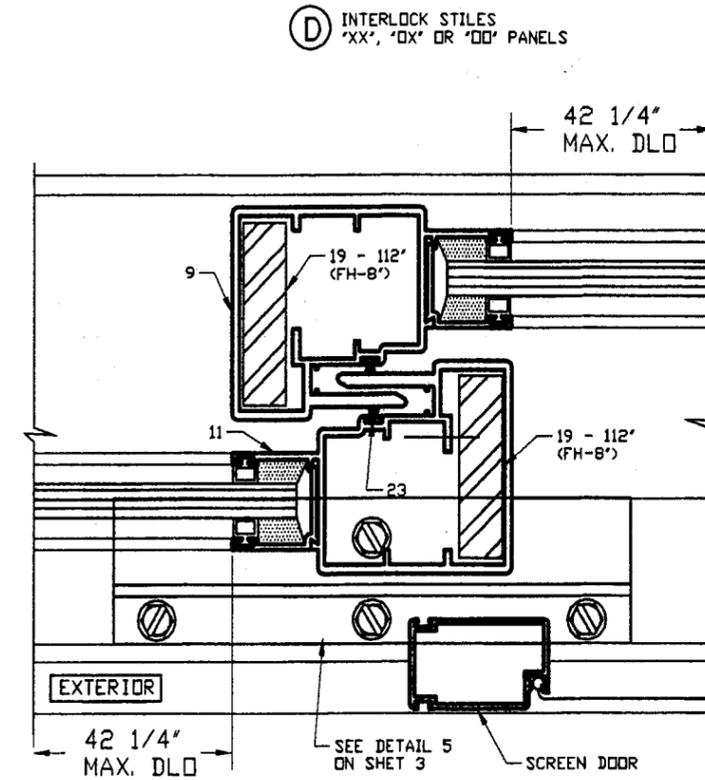
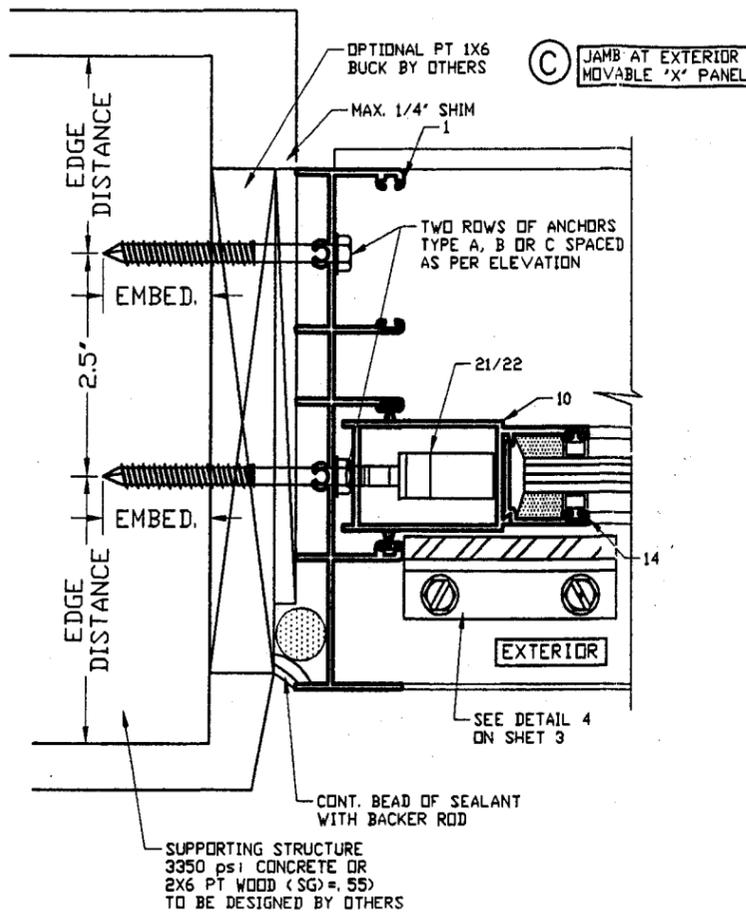
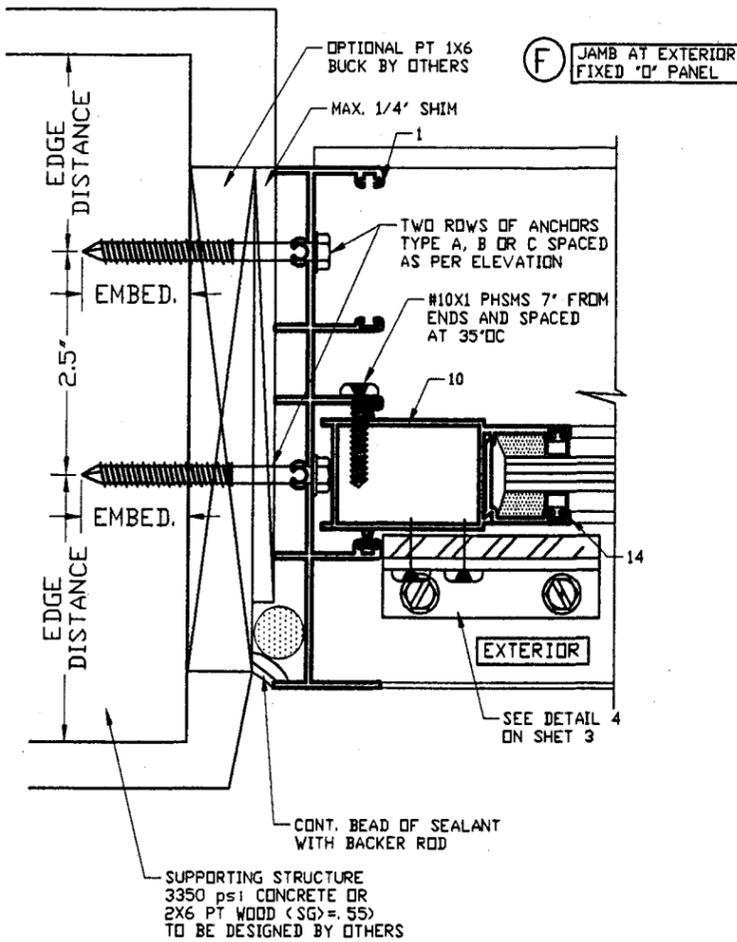
Date: 01/03/07  
 Scale: NA  
 Design by: PPMF

PRODUCT CONTROL DIVISION:  
**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No 06-1205-01  
 Expiration Date ~~DEC 27 2007~~  
 By *Manuel Perez*  
 Miami Trade Product Control Division

Drawing Number  
**07-002**

Sheet  
**3 of 5**

# HORIZONTAL DETAILS



Manufacturer:  
**KD  
Windows**  
3705 SHARES PLACE  
RIVIERA BCH, FL. 33404  
TEL.: (561) 845-1401  
FAX: (561) 845-1498

Product:  
**AMERICAN  
COASTAL 600**  
ALUMINUM SLIDING  
GLASS DOOR

Engineering:  
**EngCo Inc.**  
CA 8116  
6971 W. SUNRISE BLVD. 104  
PLANTATION, FL. 33313  
TEL.: (954) 585-0304  
FAX.: (954) 585-0305

**JAN 06 2007**  
Engineer Seal  
Pedro De Figueiredo  
PE 52609

Date: 01/03/07  
Scale: NA  
Design by: PPMF

PRODUCT CONTROL DIVISION:

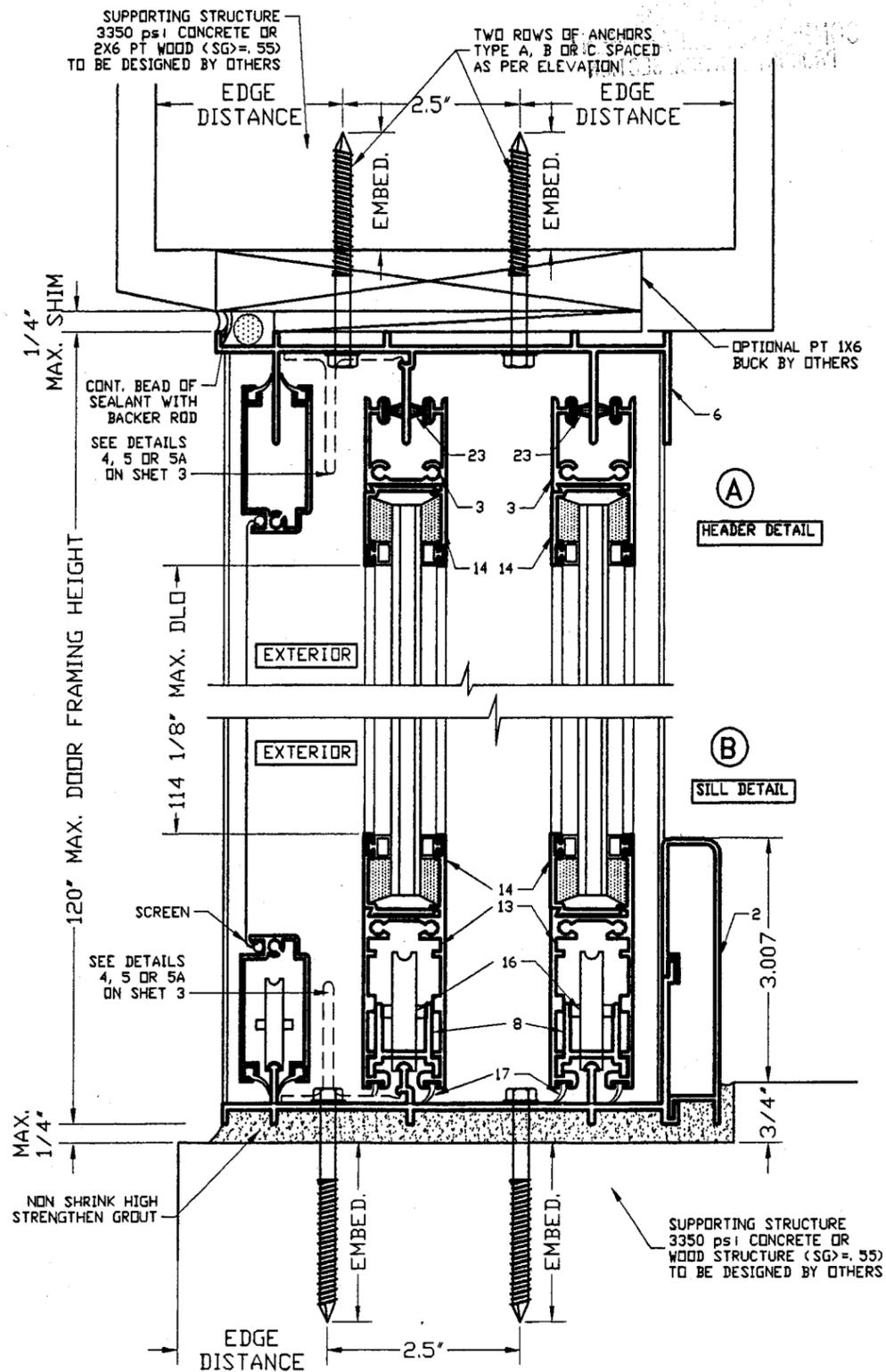
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. **06-1205-01**  
Expiration Date **DEC. 27, 2007**  
By *Manuel Serey*  
Miami Dade Product Control  
Division

Drawing Number  
**07-002**

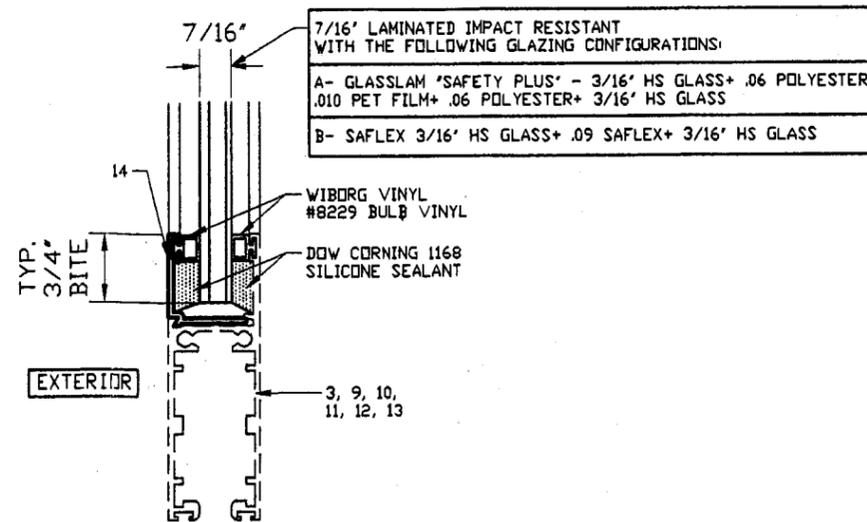
Sheet  
**4 of 5**

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. **08-0227-18**  
Expiration Date **12/27/2008**  
By *Manuel Serey*  
Miami Dade Product Control  
Division

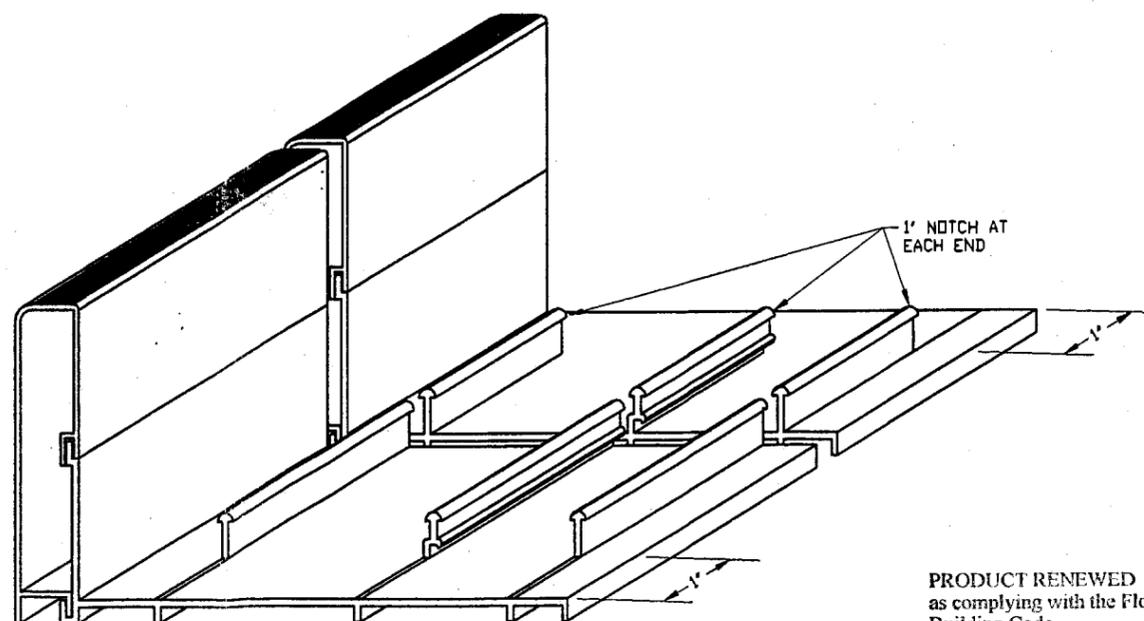
# VERTICAL DETAILS



# GLAZING DETAILS



# THRESHOLD DRAINAGE



PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No 08-0227.18  
Expiration Date 12/27/2008

By *Manuel Perez*  
Miami Dade Product Control  
Division

Manufacturer:  
**KD  
Windows**

3705 SHARES PLACE  
RIVIERA BCH, FL. 33404  
TEL.: (561) 845-1401  
FAX: (561) 845-1498

Product:  
**AMERICAN  
COASTAL 600**  
ALUMINUM SLIDING  
GLASS DOOR

Engineering:  
**EngCo Inc.**

CA 8116  
6971 W. SUNRISE BLVD. 104  
PLANTATION, FL. 33313  
TEL.: (954) 585-0304  
FAX.: (954) 585-0305

JAN 06 2007

Engineer Seal  
Pedro De Figueredo  
PE 52609

Date: 01/03/07  
Scale: NA  
Design by: PPMF

PRODUCT CONTROL DIVISION:

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 06-1205.01  
Expiration Date DEC 27, 2007

By *Manuel Perez*  
Miami Dade Product Control  
Division

Drawing Number  
07-002

Sheet  
5 of 5