



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

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. 09-095, titled "American Coastal 600 Aluminum Sliding Glass Door", sheets 1 through 5 of 5, dated 05/12/09, 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 # 08-0227.18 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 **Jaime Gascon , P.E.**



J. Gascon
6/24/09

NOA No. 09-0122.04
Expiration Date: December 27, 2009
Approval Date: July 15, 2009
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **09-095**, Sheets 1 through 5 of 5, titled "American Coastal 600 Aluminum Sliding Glass Door", dated 05/12/09, prepared by EngCo Inc., signed and sealed by Pedro De Figueiredo, P.E.

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 202-94

Along 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# 08-0227.18)

2. Revised Test reports on:
 - 1) Large Missile Impact Test per PA 201-94
 - 2) Cyclic Wind Pressure Loading per PA 203-94

Along 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# 08-0227.18)

3. Revised Test reports on:
 - 1) Large Missile Impact Test per PA 201-94
 - 2) Cyclic Wind Pressure Loading per PA 203-94

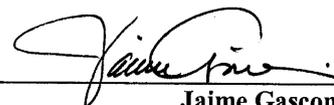
Along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Hurricane Testing laboratory Inc, Test Reports No. **HTL-0145-1210-99 (sp #2)** dated 12/13/99, signed and sealed by Vinu J. Abraham, P.E.

(Submitted under NOA# 08-0227.18)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by EngCo, Inc., dated 05/12/09, signed and sealed by Pedro De Figueiredo, P.E.

Complies with ASTM E1300-04



Jaime Gascon, P.E.
Chief, Product Control Division
NOA No. 09-0122.04

Expiration Date: December 27, 2009

Approval Date: July 15, 2009

K.D. Windows, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. 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# 08-0227.18)

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 May 04, 2006, expiring on May 21, 2011.
2. Notice of Acceptance No. **08-0709.04** issued to Glasslam N.G.I., Inc. for their “**Safety-Plus II Laminated Glass**” dated 09/11/08, expiring on 08/07/13.

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated May 12, 2009, 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 02/12/08, signed by Vincent Conway.
3. Letter from laboratory confirming manufacturer has contracted and scheduled verification tests, issued by Hurricane Test Lab., dated 12/19/08, signed by Vinu J. Abraham, P.E.

G. OTHERS

1. Notice of Acceptance No. **08-0227.18**, issued to K.D. Windows, Inc. for their Series 600 Aluminum Sliding Glass Door – L.M.I., approved on 04/03/08 and expiring on 12/27/08.



Jaime Gascon, P.E.

Chief, Product Control Division

NOA No. 09-0122.04

Expiration Date: December 27, 2009

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INDEX:

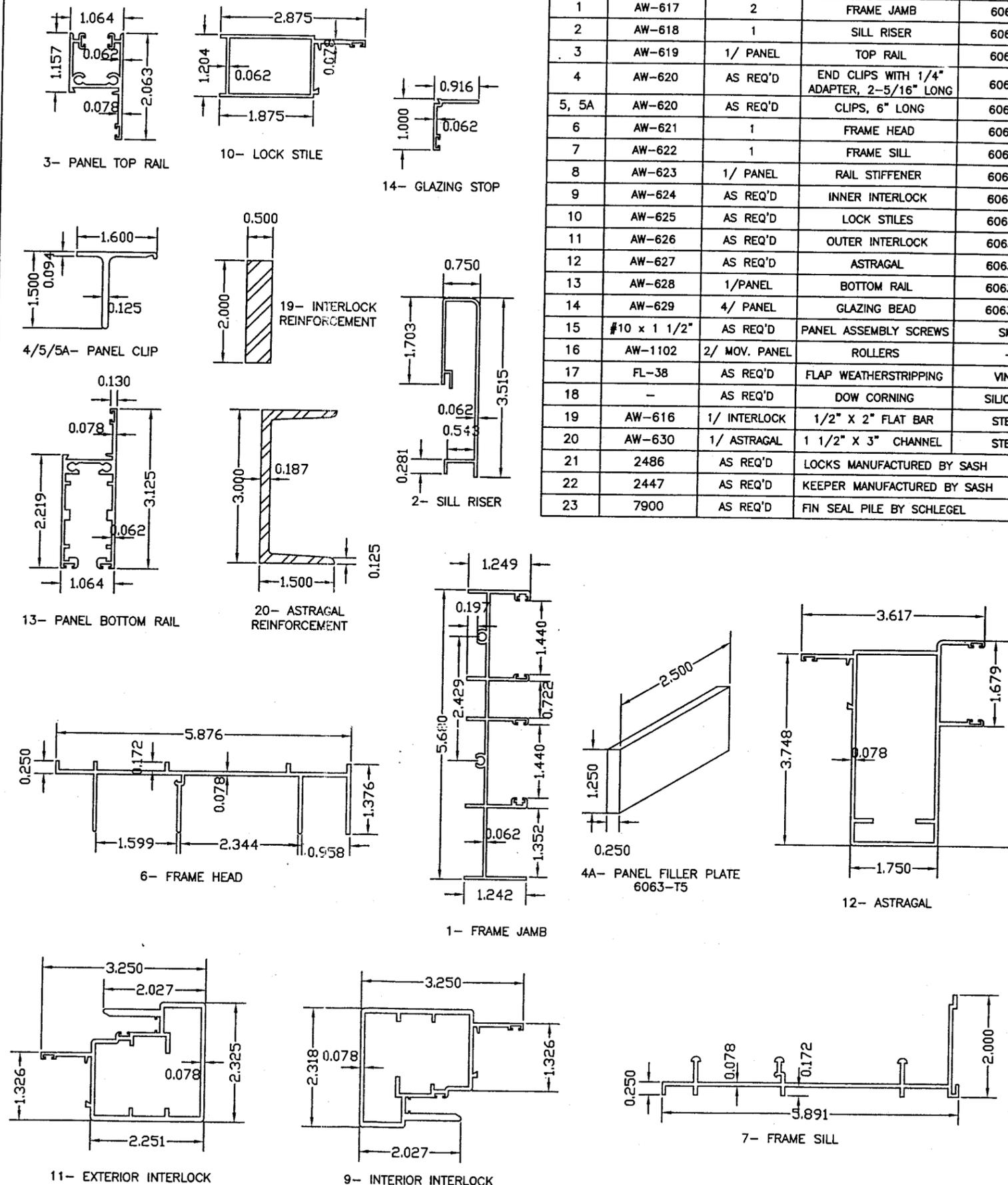
- SHEET 1 of 5 - GENERAL NOTES AND DOOR COMPONENTS
- SHEET 2 of 5 - TYPICAL ELEVATIONS O0XX00, O0XX0, OXX0
- SHEET 3 of 5 - TYPICAL ELEVATIONS OX0, OX, XX
- SHEET 4 of 5 - HORIZONTAL DETAILS
- SHEET 5 of 5 - VERTICAL DETAILS, GLAZING DETAIL AND SILL DRAINAGE

GENERAL NOTES:

- 1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2007 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 2007 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

MAY 12 2009
 Engineer Seal
 Pedro De Figueiredo
 PE 52609

DATE: 05/12/09
 SCALE: NA
 DESIGN BY: PPMF

PRODUCT CONTROL DIVISION:
 PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. **09-0122.04**
 Expiration Date **DEC. 27, 2009**
 By
 Miami Dade Product Control
 Division

Drawing Number
09-095

Sheet
1 of 5

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

TYPICAL 00XX00, 00XXO AND OXXO ELEVATIONS

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MAY 12 2009

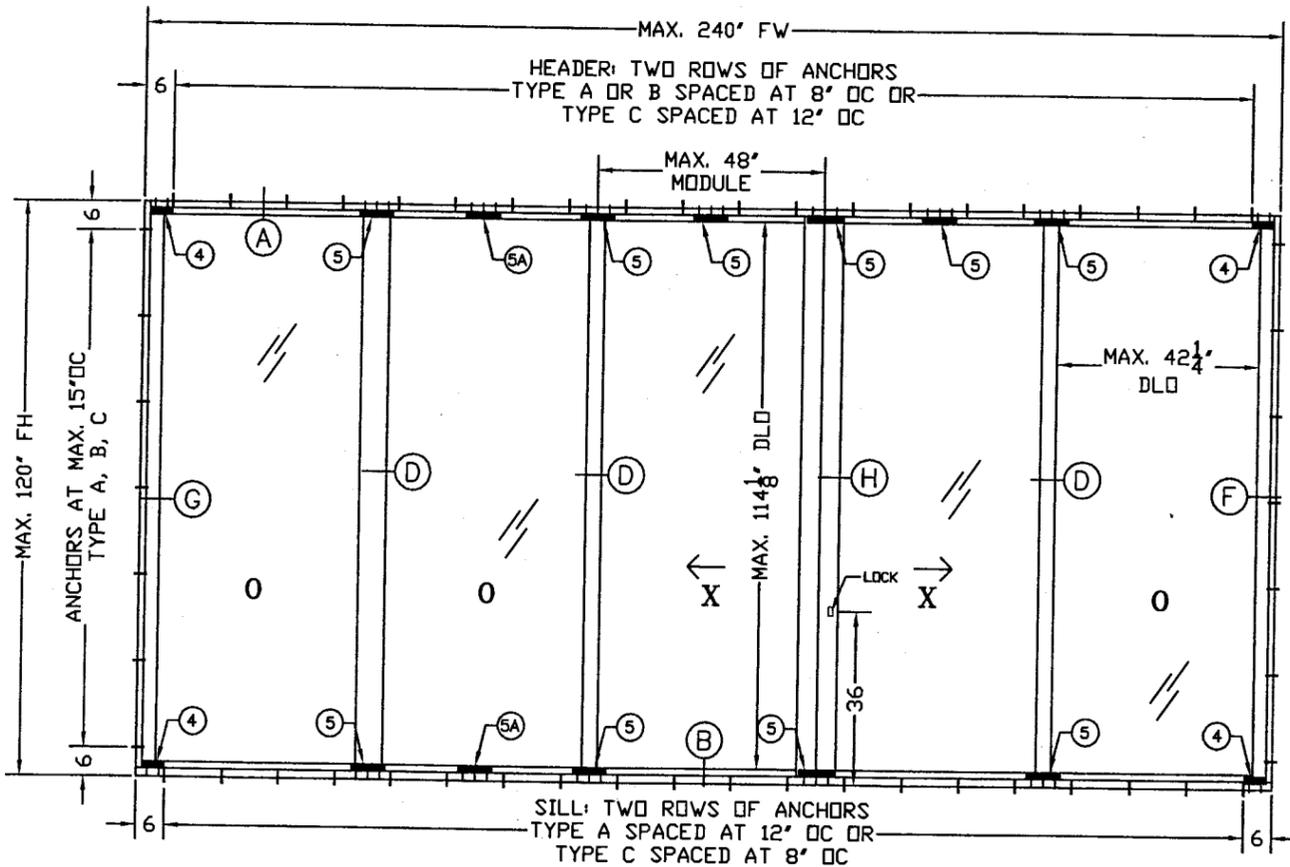
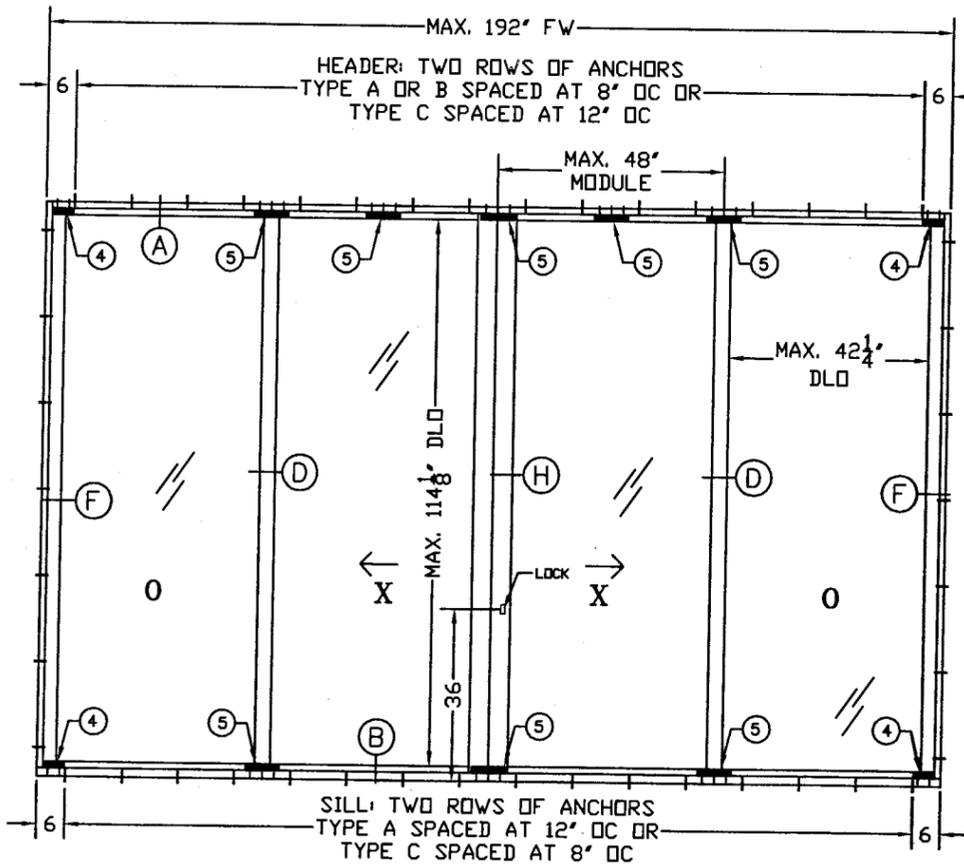
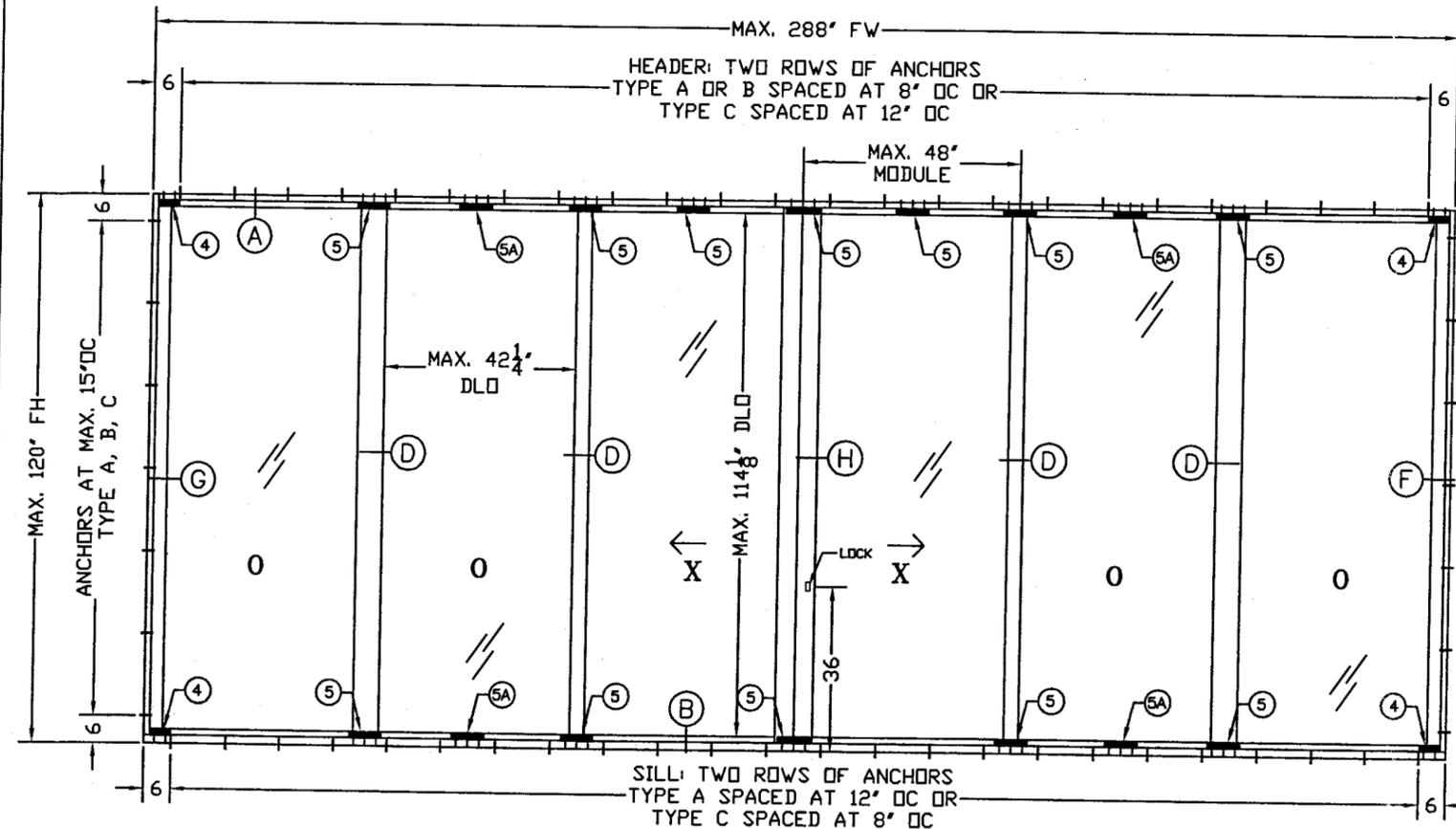
Engineer Seal
 Pedro De Figueredo
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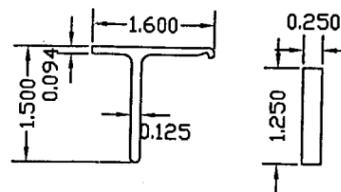
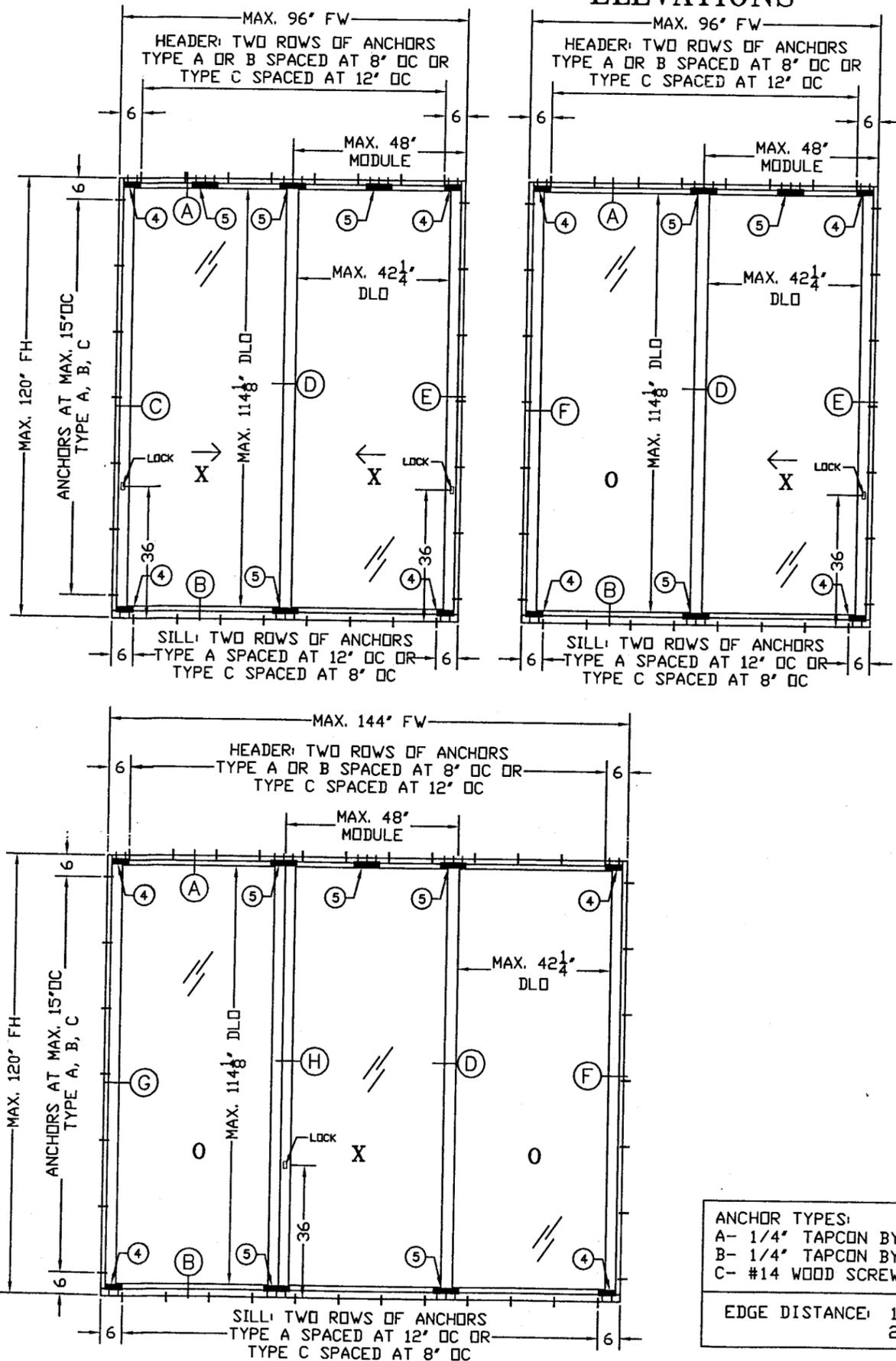
ANCHOR TYPES:
 A- 1/4" TAPCON BY ITW WITH 1 3/4" MIN. EMBED. INTO 3192 PSI CONCRETE
 B- 1/4" TAPCON BY ITW THROUGH 1X PT WOOD W/ 1" EMBED. INTO 3192 PSI CONCRETE
 C- #14 WOOD SCREWS OR 1/4" TAPCONS WITH 1 1/2" MIN. EMBED. INTO PT WOOD (SG) = .55

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

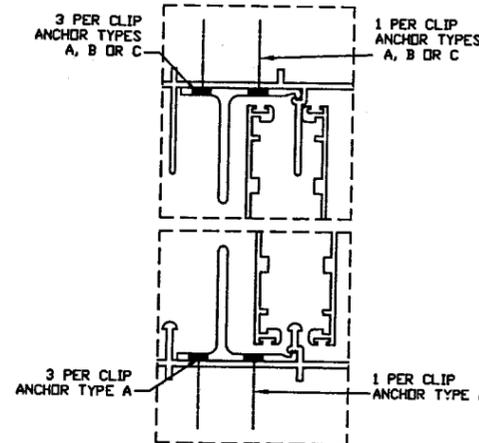
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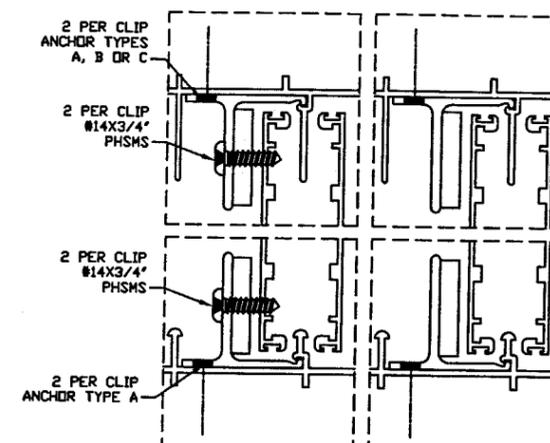
TYPICAL OX, XX AND OXO ELEVATIONS



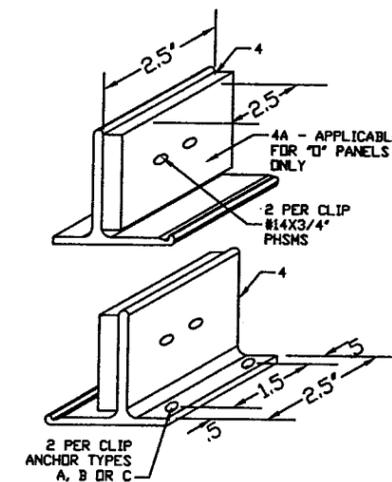
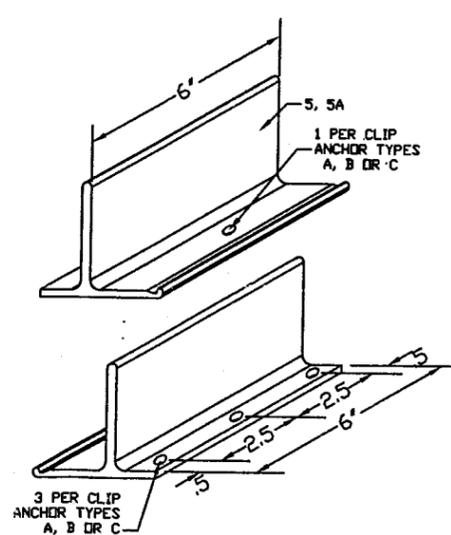
TYPICAL CLIP DETAILS 4, 5 AND 5A



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



DETAIL 4 AT FIXED "O" PANELS
 DETAIL 4 AT MOVABLE "X" PANELS



ANCHOR TYPES:
 A- 1/4" TAPCON BY ITW WITH 1 3/4" MIN. EMBED. INTO 3192 psi CONCRETE
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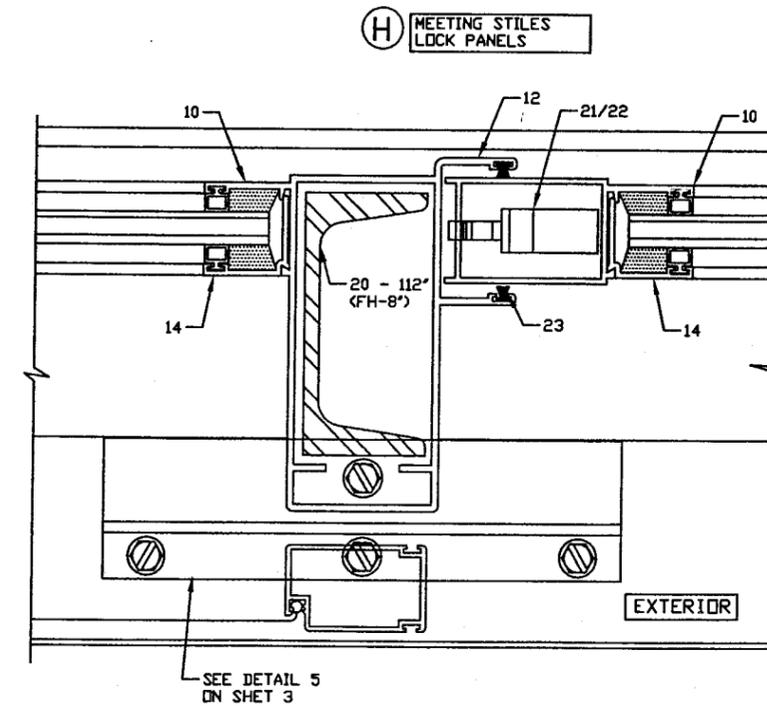
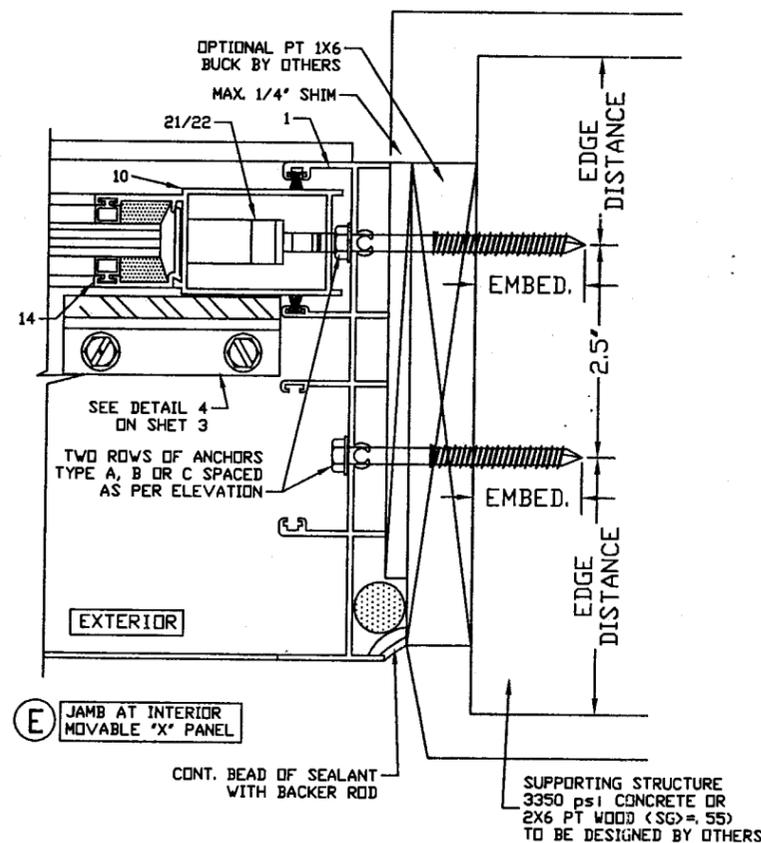
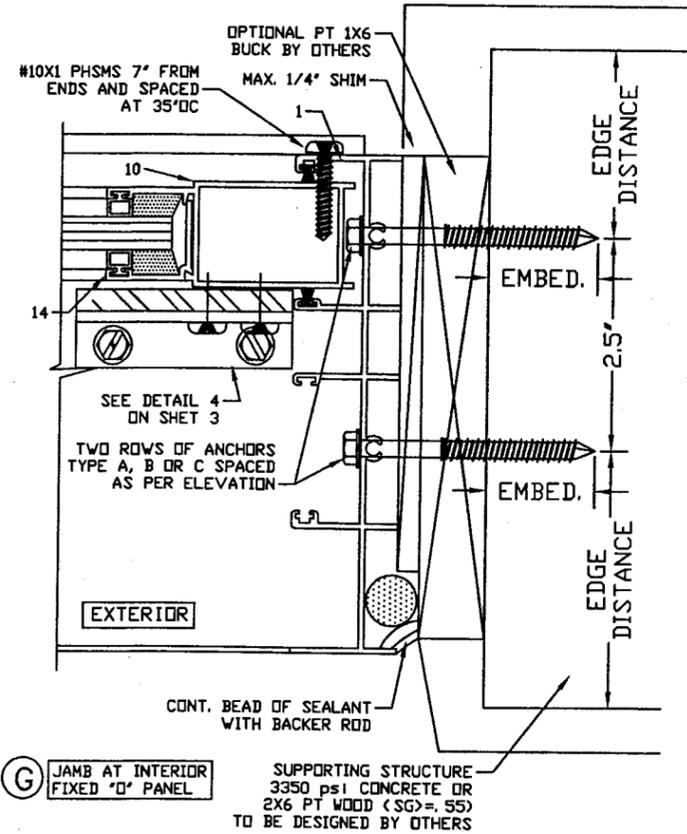
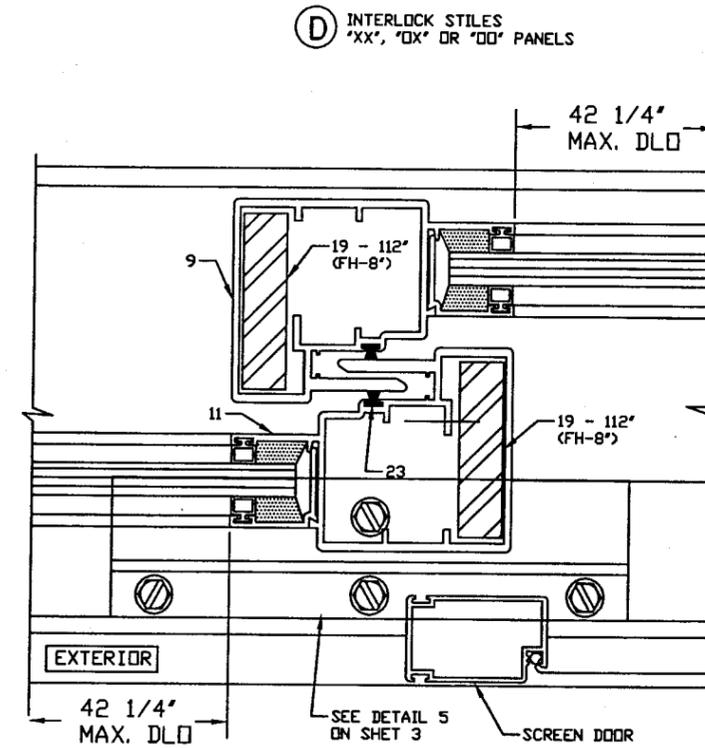
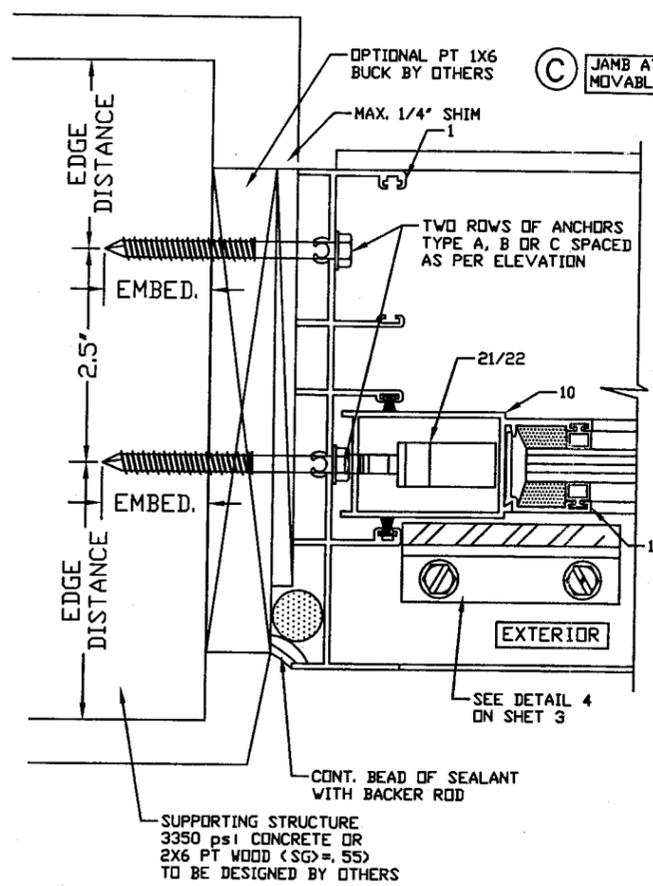
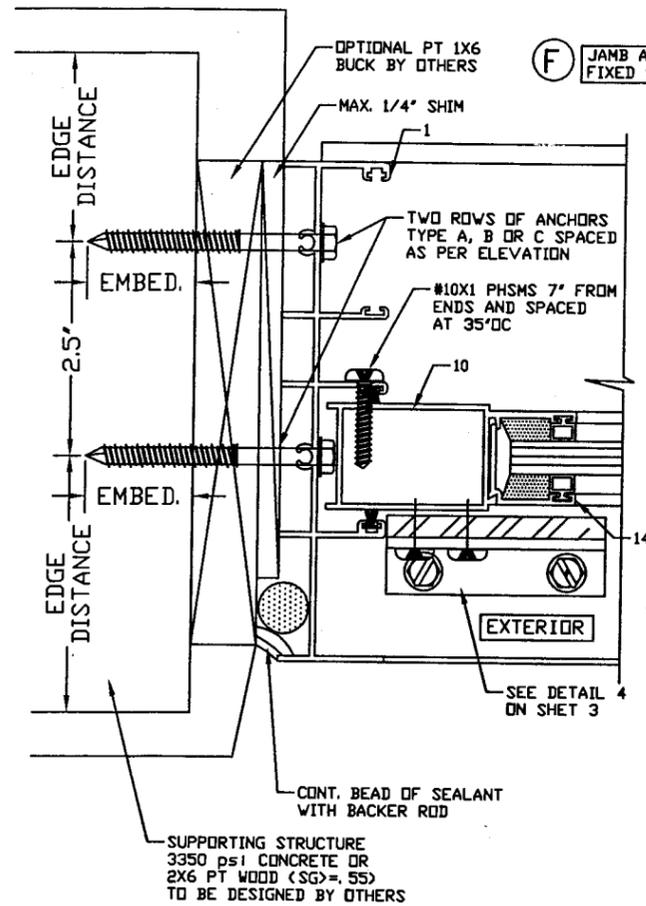
DATE: 05/12/09
 SCALE: NA
 DESIGN BY: PPMF

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 By *[Signature]*
 Miami Dade Product Control Division

Drawing Number
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HORIZONTAL DETAILS



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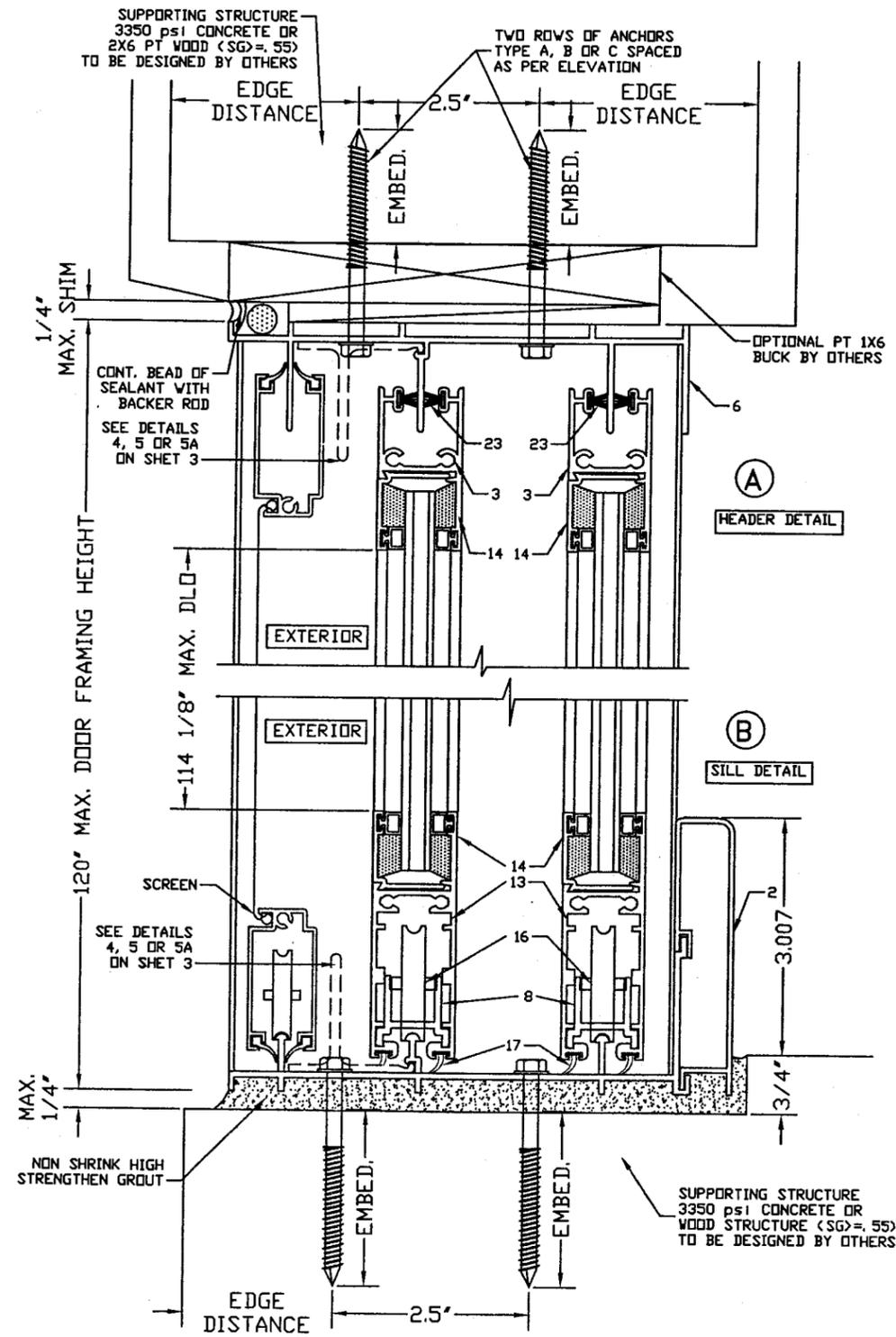
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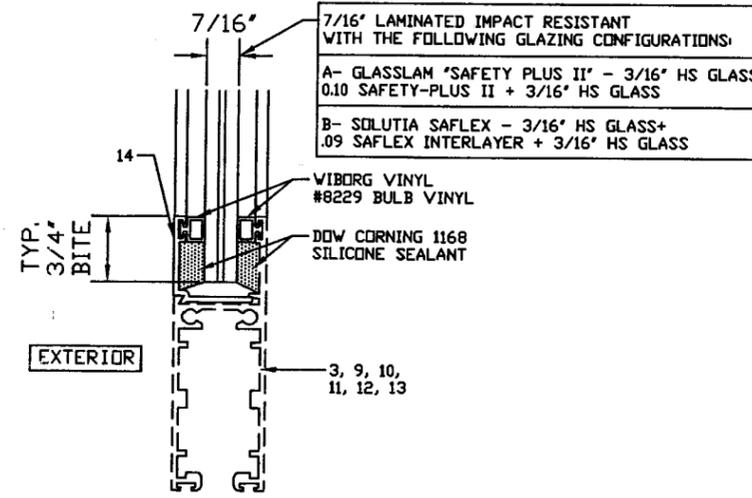
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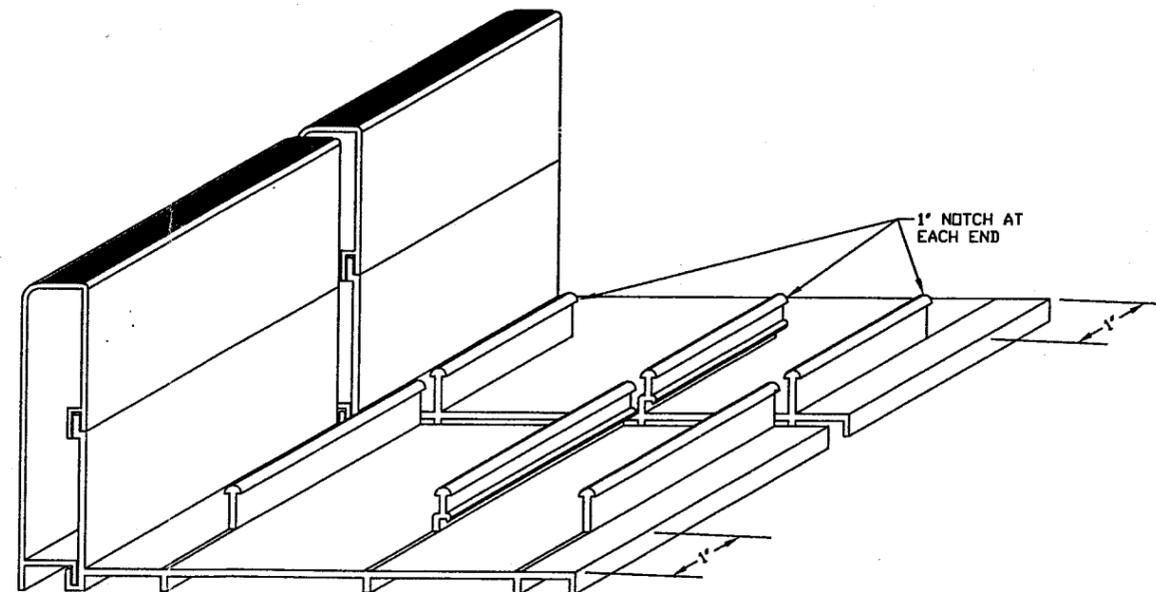
VERTICAL DETAILS



GLAZING DETAILS



THRESHOLD DRAINAGE



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