



**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.buildingcodecompliance.com](http://www.buildingcodecompliance.com)

**NOTICE OF ACCEPTANCE (NOA)**

**Tormax Technologies, Inc.  
11803 Starcrest Dr.  
San Antonio, TX 78247**

**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 9200 Automatic Aluminum Sliding Glass Door w/ Reinforcements - Impact**

**APPROVAL DOCUMENT:** Drawing No. **05-365** titled "Series 9200 Impact Automatic Sliding Glass Door", Sheets 1 through 4 of 4, prepared by EngCo Inc., dated 11/28/05 and last revised on 06-02-2006, signed and sealed by Pedro De Figueiredo, 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 and, consists of this page 1 and evidence pages E-1 as well as approval document mentioned above. The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

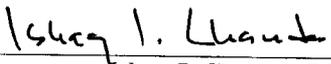


**NOA No 06-0202.04  
Expiration Date: June 22, 2011  
Approval Date: June 22, 2006  
Page 1**

6/2/16

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

- A. DRAWINGS**
1. Manufacturer's die drawings and sections
  2. Drawing No. **05-365** titled "Series 9200 Impact Automatic Sliding Glass Door", Sheets 1 through 4 of 4, prepared by EngCo Inc., dated 11/28/05 and last revised on 06-02-2006, signed and sealed by Pedro De Figueiredo, 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 Resistant Test per FBC, TAS 202-94 (Not Performed)  
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 an Automatic Entrance door, prepared by Hurricane Testing Laboratory, LLC, Test Report No **HTL 0368-0220-05** and **HTL 0368-0221-05**, dated 11/28/05, signed and sealed by Vinu J. Abraham, P. E. .
- C. CALCULATIONS**
1. Anchor Calculations and structural analysis, complying with FBC-2004, prepared by Engco, Inc, dated 11/27/05, signed and sealed by Pedro De Figueiredo, P.E.
  2. Glazing Complies with ASTM E1300-02 only.
- D. QUALITY ASSURANCE BY**
1. Miami Dade Building Code Compliance Office (BCCO)
- E. MATERIAL CERTIFICATIONS**
1. Notice of Acceptance No. **03-0514.15** issued to Oldcastle Glass, Inc for "Storm Glass used for lamination glass", expiring on 12/11/08.
  2. Notice of Acceptance No. **03-0415.13** issued to Solutia, Inc for "**Vanceva** Composites used for lamination glass", expiring on 12/11/08.
- F. STATEMENTS**
1. Statement letters of conformance and "No financial interest", dated 01/04/06, signed and sealed by Pedro De Figueiredo, P.E.
  2. Statement of compliance, issued as part of the above referenced test report.
- G. OTHER**
1. None

  
\_\_\_\_\_  
Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No 06-0202.04  
Expiration Date: June 22, 2011  
Approval Date: June 22, 2006

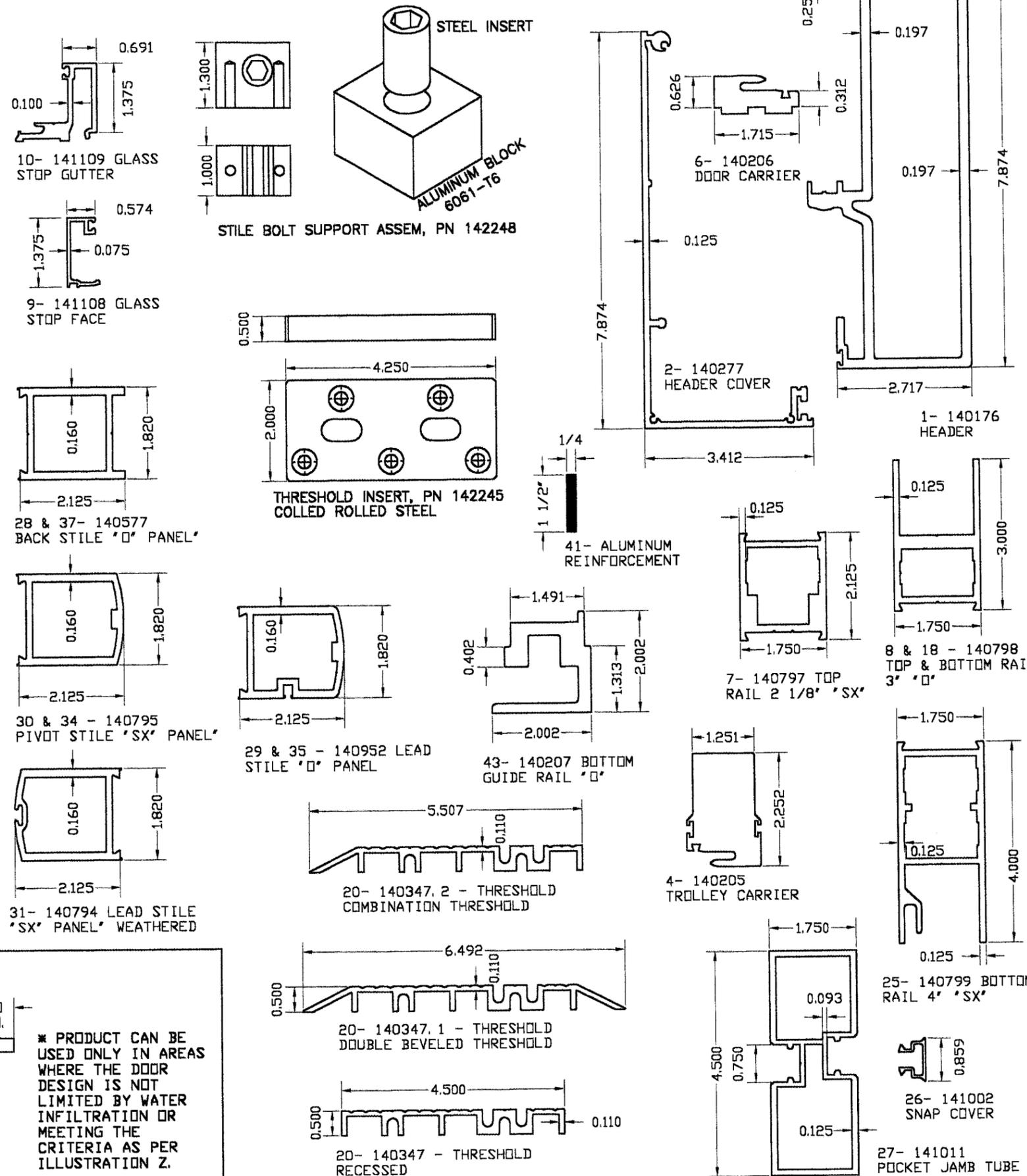
**INDEX:**

- SHEET 1 of 4 - GENERAL NOTES, DESIGN RATING AND DOOR COMPONENTS
- SHEET 2 of 4 - TYPICAL DOOR ELEVATION, FRAMING ANCHORAGE
- SHEET 3 of 4 - SECTION 1 DETAIL & BILL OF MATERIALS
- SHEET 4 of 4 - SECTION 2 & 3 DETAILS & GLAZING DETAIL

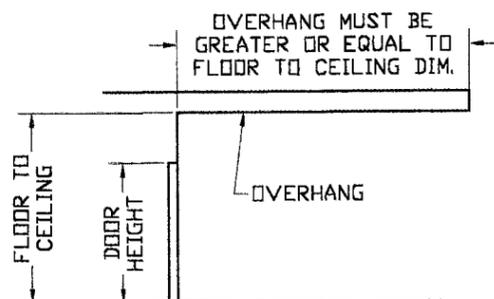
**GENERAL NOTES:**

- 1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2004 ED., INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
- 2- DEFINITION: THIS PRODUCT IS AN ALUMINUM LARGE MISSILE IMPACT RESISTANT AUTOMATIC SLIDING GLASS DOOR. PRODUCT CAN BE USED AT ANY ELEVATION WITHOUT HURRICANE PROTECTION SHUTTERS.
- 3- POSTING: '9200 SERIES - LARGE MISSILE IMPACT ALUMINUM AUTOMATIC SLIDING GLASS DOORS TORMAX TECHNOLOGIES, INC. SAN ANTONIO, TEXAS DADE COUNTY PRODUCT CONTROL APPROVED'
- 4- DESIGN LOADS: THE DESIGNED LOADS MUST BE CALCULATED BY A PROFESSIONAL ARCHITECT OR ENGINEER, AS PER ASCE 7, 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 GLASS AS PER SHEET 4 of 4 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 SPACING AND LOADS 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- THIS SYSTEM COMPLIES W/ ASTM E1300-02
- 10- MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL/ METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FBC SECTION 2003.8.4.

**DOOR COMPONENTS**



**ILLUSTRATION "Z"**



\* PRODUCT CAN BE USED ONLY IN AREAS WHERE THE DOOR DESIGN IS NOT LIMITED BY WATER INFILTRATION OR MEETING THE CRITERIA AS PER ILLUSTRATION Z.

**DOOR ALLOWABLE DESIGNED PRESSURES**

**+57\*, -57 PSF**

**LARGE MISSILE IMPACT**

MANUFACTURER:

★★★★★  
**TORMAX**  
TECHNOLOGIES, INC.

11803 STARCREST DR.  
SAN ANTONIO, TX 78247  
PHONE: (210) 494-3551  
FAX: (210) 494-5930

PRODUCT:

SERIES 9200  
IMPACT

LARGE MISSILE IMPACT  
AUTOMATIC SLIDING  
GLASS DOOR

Engineering:

**EngCo Inc.**

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

JUN 01 2006

Engineer Seal  
Padro De Figueiredo  
PE 52609

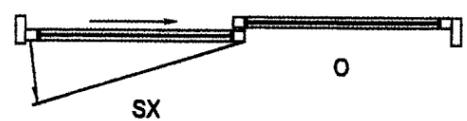
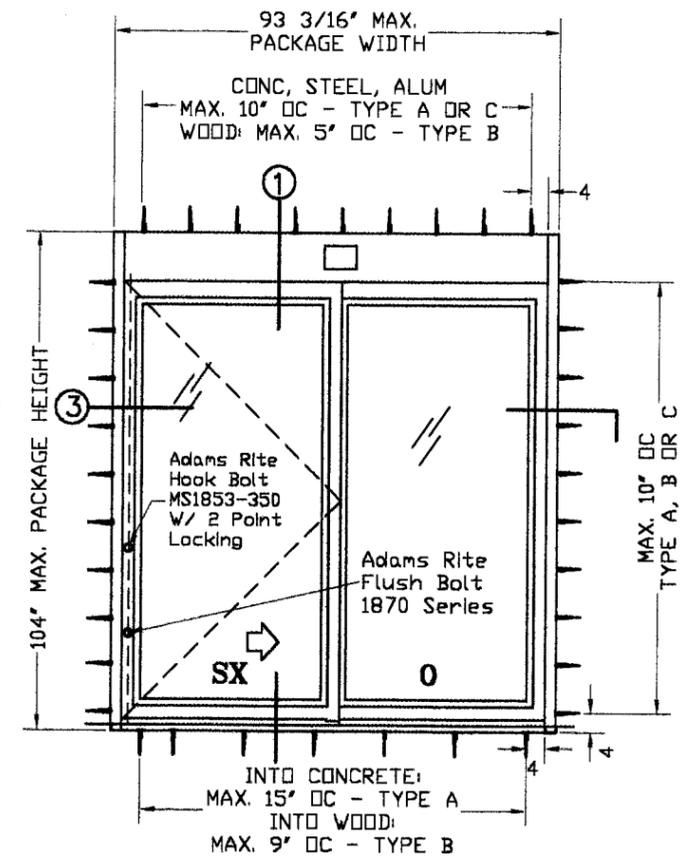
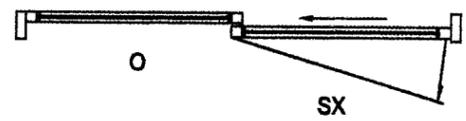
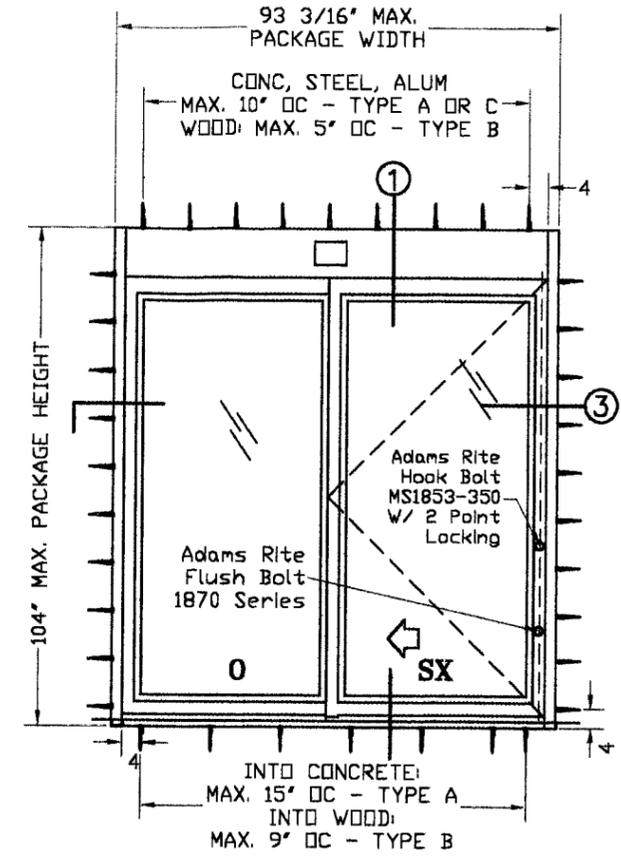
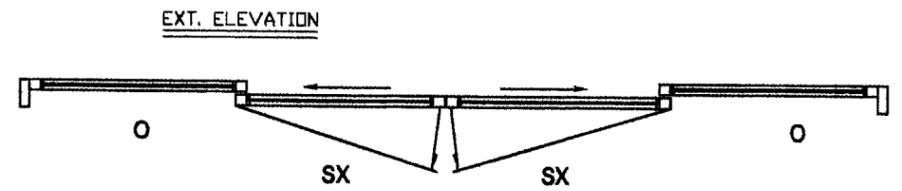
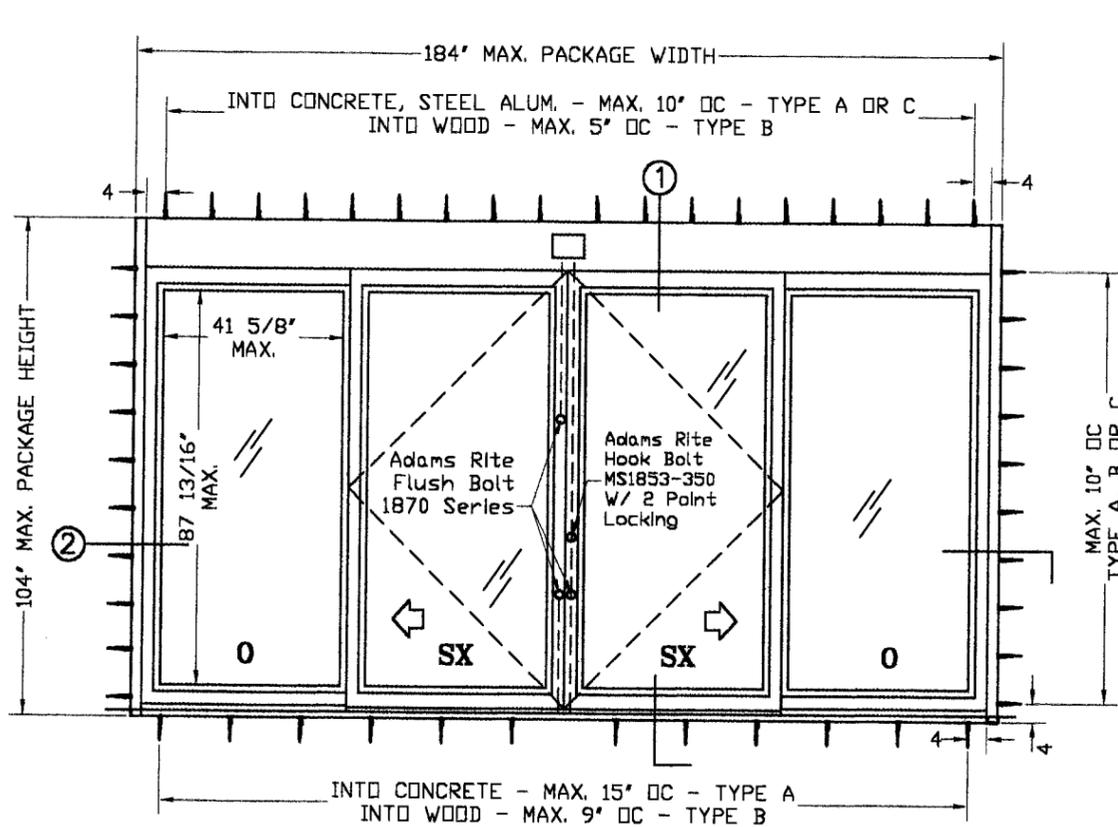
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Design by: PPMF

Approved as complying with the  
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Date: JUNE 22, 2006  
NOA# 06-0202.07  
Miami Dade Product Control  
Division  
By: Shay L. Lunde

Drawing Number  
**05-365**

Sheet  
1 of 4

# TYPICAL ELEVATION AND ANCHORAGE SPACING



**HARDWARE NOTE:**  
 LOCK AND FLUSH BOLT HAVE 3/8" HEX BOLT EXTENDED 1/2" INTO HEAD AND THRESHOLD

### PACKAGE HEIGHT INFORMATION

PACKAGE HEIGHT	MASONRY OPENING W/ SHIMS
8'-8" (104")	8'-8 1/4" (104 1/4")

### PACKAGE WIDTH INFORMATION

PKG WIDTH	NOMIANL CLEAR DOOR OPENING	SLIDING DOOR / PANEL NOM. WIDTH	EMERGENCY BREAKOUT NOM. WIDTH
15'-4" (184")	77 7/8"	46 27/32"	86 3/4"
7'-9 3/16" (93 3/16")	38 7/8"	46 27/32"	43 3/8"

ANCHOR TYPES:	EDGE DISTANCE
A- 1/4" ITW TAPCON BY BUILDEX WITH 1 1/2" MIN. EMBEDMENT INTO 3192 psi CONCRETE	2 1/2"
B- 1/4" ITW TAPCON BY BUILDEX WITH 1 1/2" MIN. EMBEDMENT INTO WOOD (SG>= 55)	3/4"
C- 1/4-14 HH SMS GRADE 5 GENERIC INTO 1/8" MIN. 6063-T5 ALUMINUM	3/4"
C- 1/4-14 HH SMS GRADE 5 GENERIC INTO 1/8" MIN. A36 STEEL	3/4"

**ANCHOR NOTES:**  
 1- SEE SECTION DETAILS FOR ANCHOR SPACING.  
 2- MINIMUM EMBEDMENT IS BEYOND WALL DRESSING.  
 3- TYPICAL 2 ROWS OF ANCHORS FOR THRESHOLD INSTALLATION  
 4- ALL STRUCTURE UNDER SEPARATE APPROVAL ENGINEERED TO WITHSTAND IMPOSED LOAD.

MANUFACTURER:  
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 11803 STARCREST DR.  
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 PHONE: (210) 494-3551  
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PRODUCT:  
 SERIES 9200  
 IMPACT  
 LARGE MISSILE IMPACT  
 AUTOMATIC SLIDING  
 GLASS DOOR

Engineering:  
**EngCo Inc.**  
 CA 8116  
 6971 W. SUNRISE BLVD. 104  
 PLANTATION, FL. 33313  
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 JUN 01 2006  
 Engineer Seal  
 Pedro De Figueiredo  
 PE 52609

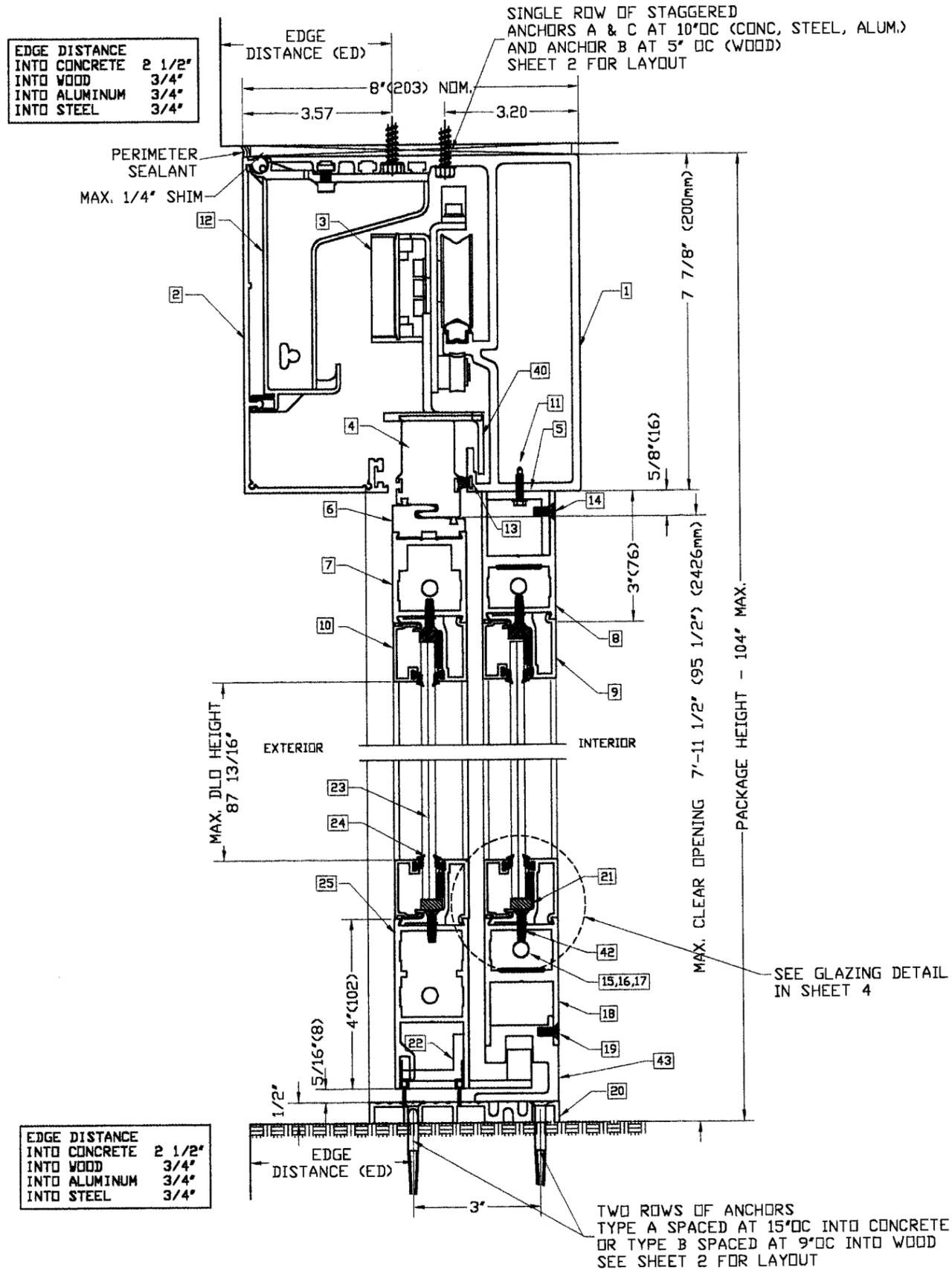
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 Miami Dade Product Control  
 Division  
 By: *[Signature]*

Drawing Number  
 05-365

Sheet  
 2 of 4

TYPICAL VERTICAL SECTION 1



MATERIAL LIST

ITEM #	QTY	DESCRIPTION	PART NUMBER
1	1	HEADER	140176
2	1	COVER, HEADER	140277
3	4	TROLLEY ROLLER ASSEMBLY	110445
4	2	TROLLEY CARRIER	140205
5	2	ALUMINUM ANGLE, 1-1/25" X 1-1/2" X 3/16"	141125
6	2	DOOR CARRIER	140206
7	2	2-1/8" TOP RAIL, "SX"	140797
8	2	3" TOP RAIL, "D"	140798
9	16	1-3/8" GUTTER, GLASS STOP	141109
10	16	1-3/8" FACE, GLASS STOP	141108
11	14	#10 TEK SCREW	140270-01
12	4	BRACKET, HEADER COVER	140219
13	1	PILE-FIN WEATHERSEAL, HEADER	141148
14	14	10-32 X 1/2" FL HD PH MACH SCREW	140245-41
15	8	3/8" DIA ALL THREAD, THRU ROD	140167
16	16	RAIL CLIP, UNIVERSAL	140928
17	16	NUT, SERRATED FLANGE	14140421-08
18	2	3" BOTTOM RAIL, "D" PANEL	140798
19	14	10-32 X 1/2" FL HD PH MACH SCREW	140245-41
20	1	THRESHOLD, RECESSED	140347
21	AN	1/4" RUBBER SETTING BLOCK	
22	2	SLIDER, LEFT & RIGHT HAND	110236 & 110237
23	4	0.325" LAM. NOM STORMGLASS (HS)	
24	16	VINYL, GLASS STOPS	140132
25	2	4" BOTTOM RAIL, "SX"	140799
26	2	SNAP COVER, JAMB TUBES	141002
27	2	JAMB TUBE, POCKET	141011
28	1	BACK STILE, "D" PANEL	140577
29	1	LEAD STILE, "D" PANEL	140952
30	1	PIVOT STILE, "SX"	140795
31	1	LEAD STILE, WEATHERED, "SX" PANEL	140794
32	4	KEY OPERATED LOCK CYLINDER - ADAMS RITE	1870 SERIES
33	4	THUMBTURN LOCK CYLINDER - ADAMS RITE	MS1853
34	1	LEAD STILE, NON-WEATHERED, "SX"	140795
35	1	LEAD STILE, "D" PANEL	140952
36	1	PIVOT STILE, "SX"	140795
37	1	BACK STILE, "D" PANEL	140577
38	2	1/2" BRUSH, WEATHER SEAL	141001
39	1	PILE-FIN WEATHER STRIP, STILE	141147
40	2	DE-RAILER	141123
41	2	ALUMINUM BAR, 1/4" X 1-1/2"	142185
42	80	10-32 X 1/2" FL HD PH MACH SCREW	140245-41
43	2	BOTTOM GUIDE RAIL, "D"	140207
44	2	INTERLOCK ADAM RITE FLUSH BOLTS	1870
45	1	LOCK STILE ADAM RITE FLUSH BOLTS	1870
46	1	LOCK STILE ADAM RITE 2 POINTS	MS1853-350

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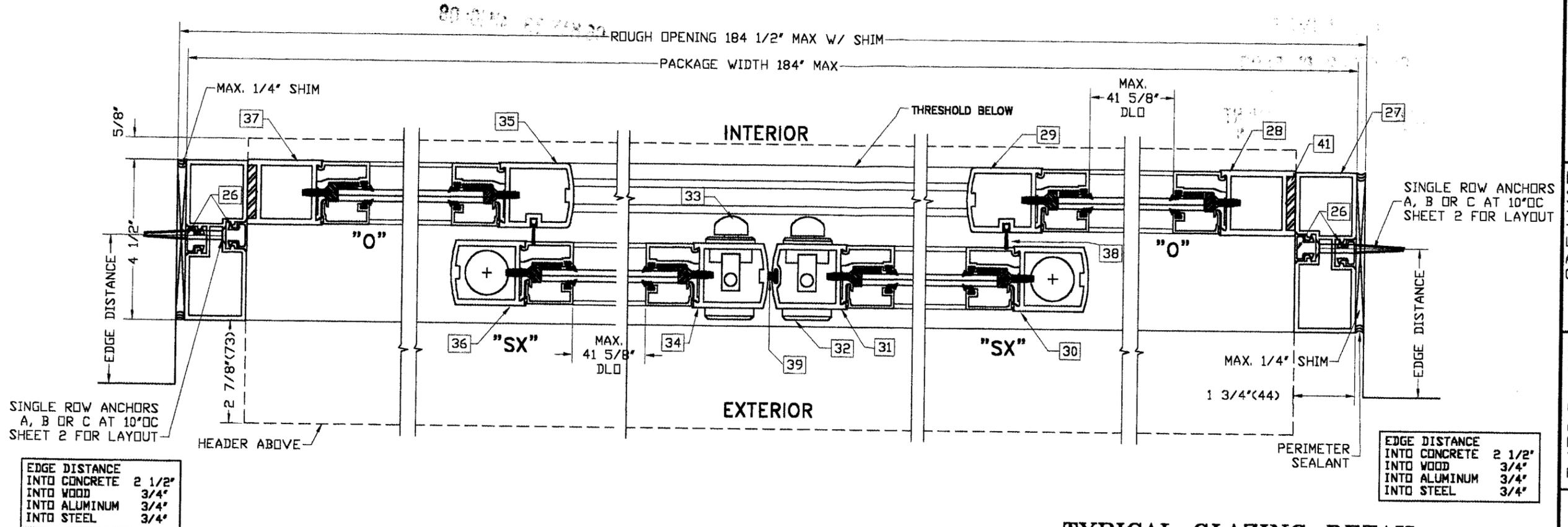
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 Miami Dade Product Control  
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 By: Isabel I. Claude

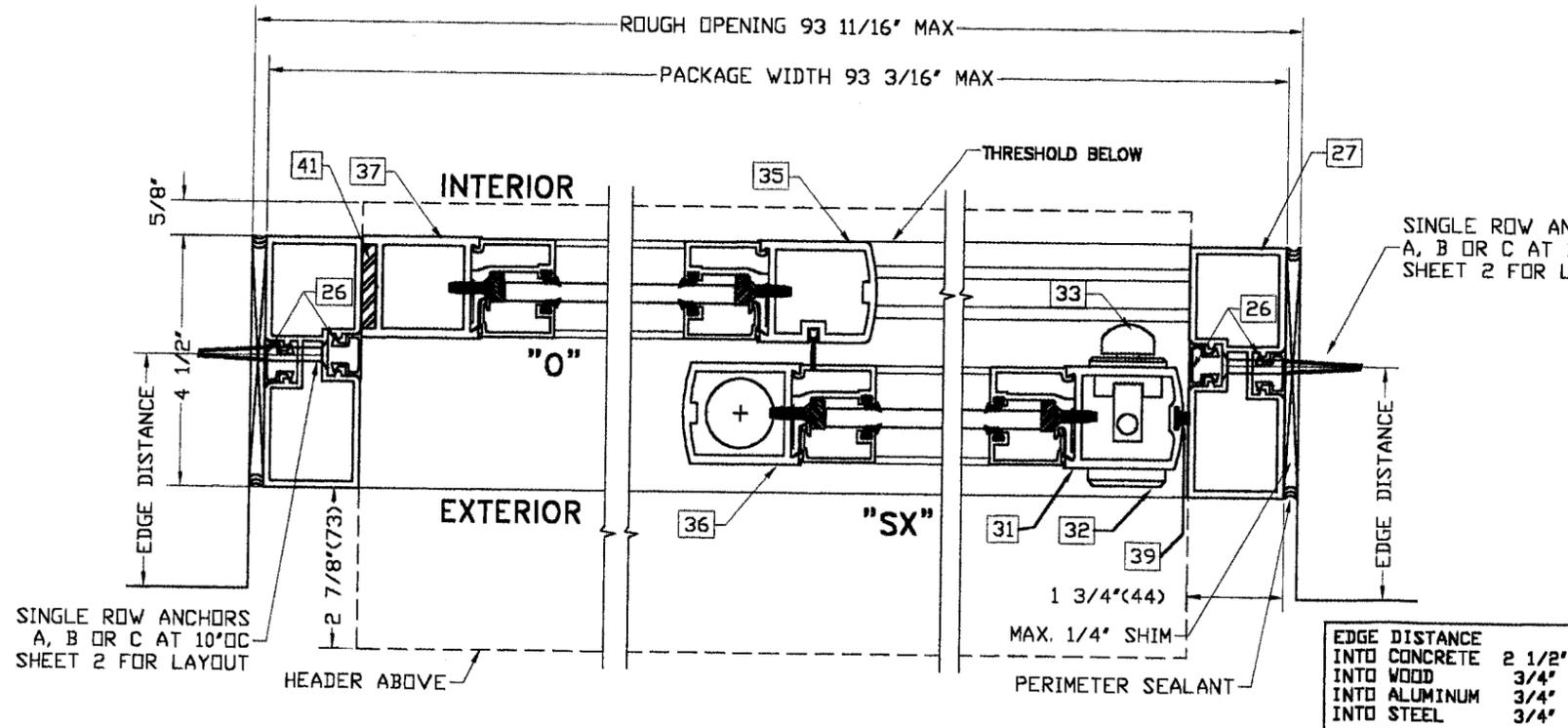
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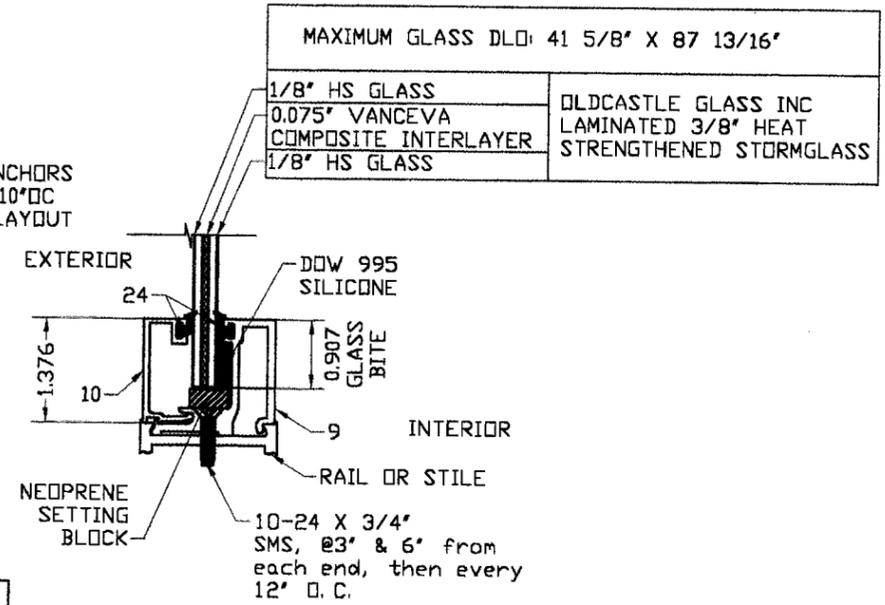
TYPICAL HORIZONTAL SECTION 2



TYPICAL HORIZONTAL SECTION 3



TYPICAL GLAZING DETAIL  
ENTIRE PERIMETER ALL LITES



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Sheet  
 4 of 4