

**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

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/ Reinforcement- Non Impact

APPROVAL DOCUMENT: Drawing No. **05-366** titled "Series 9200 Non 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: None. Approved Hurricane Protection device complying w/ FBC (HVHZ) is required.

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 06-0202.05
Expiration Date: June 22, 2011
Approval Date: June 22, 2006
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections
2. Drawing No. **05-366** titled "Series 9200 Non 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) 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, 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 w/ ASTM E-1300-98 and ASTM E-1300-02.

D. QUALITY ASSURANCE BY

1. Miami Dade Building Code Compliance Office (BCCO)

E. MATERIAL CERTIFICATIONS

1. None

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

Ishaq I. Chanda, P.E.

Product Control Examiner

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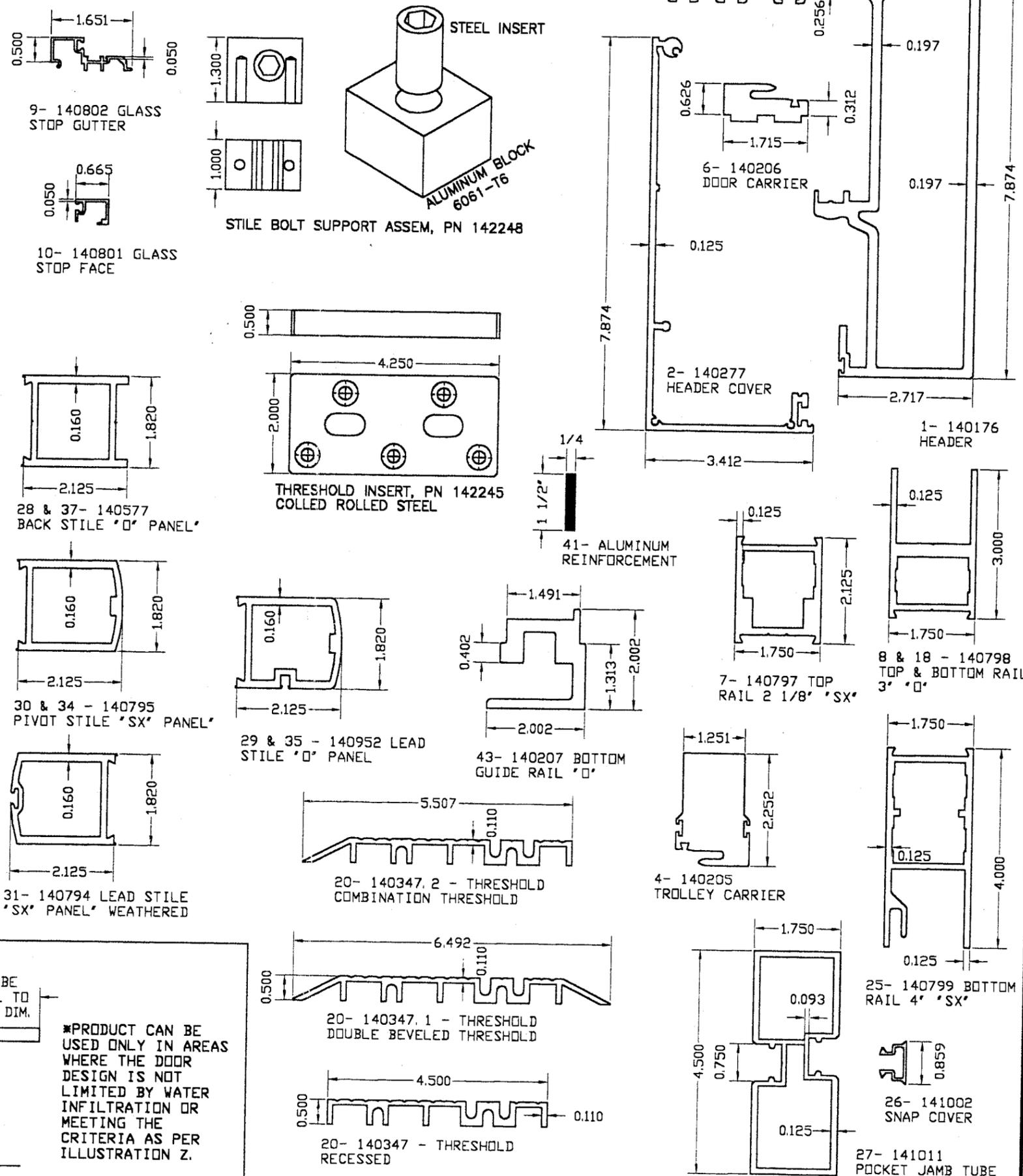
- SHEET 1 of 4 - GENERAL NOTES, DESIGN RATING AND DOOR COMPONENTS
- SHEET 2 of 4 - TYPICAL DOOR ELEVATION, FRAMING ANCHORAGE
- SHEET 3 of 4 - SECTION 1 DETAIL & BILL OF MATERIALS
- SHEET 4 of 4 - SECTION 2 & 3 DETAILS & GLAZING DETAIL

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 NON IMPACT RESISTANT AUTOMATIC SLIDING GLASS DOOR. PRODUCT CAN BE USED AT ANY ELEVATION WITH APPROVED HURRICANE SHUTTERS.
- 3- POSTING:

*9200 SERIES - NON 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 1/4" TEMPERED 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 E1300-98 and 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



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

PRODUCT:
 SERIES 9200
 NON 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
 Pedro De Figueirado
 PE 52609

Date: 5/31/06
 Scale: NA
 Design by: PPMF

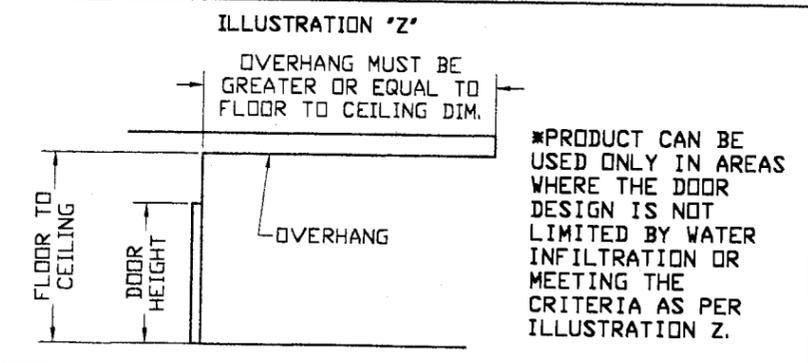
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 Miami Dade Product Control
 Division
 By Gregory J. Llanos

Drawing Number
05-366

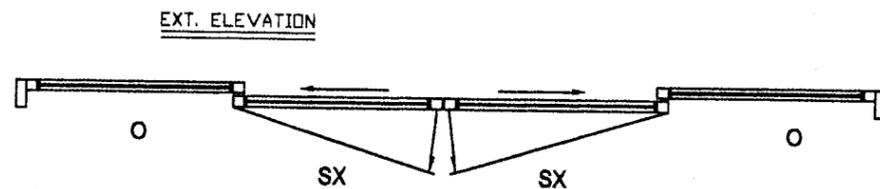
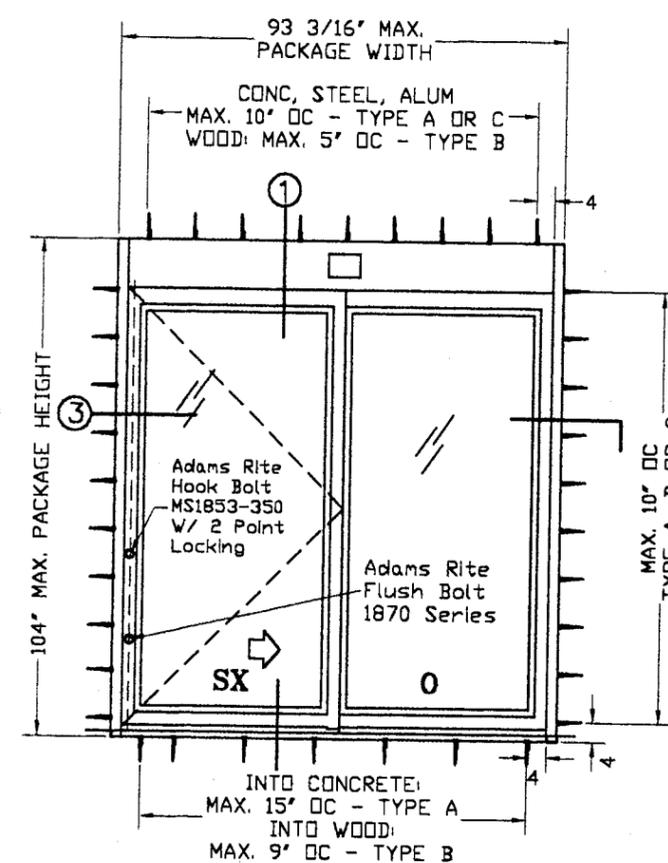
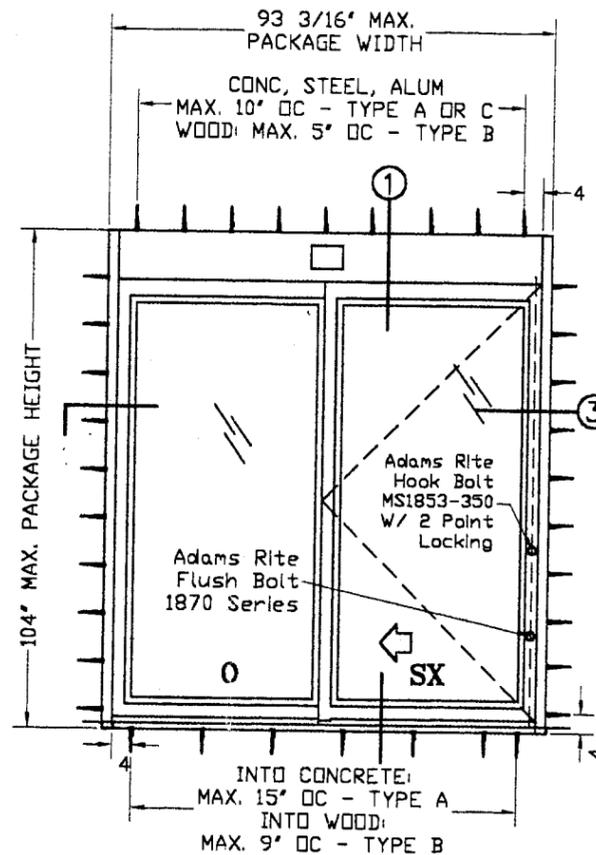
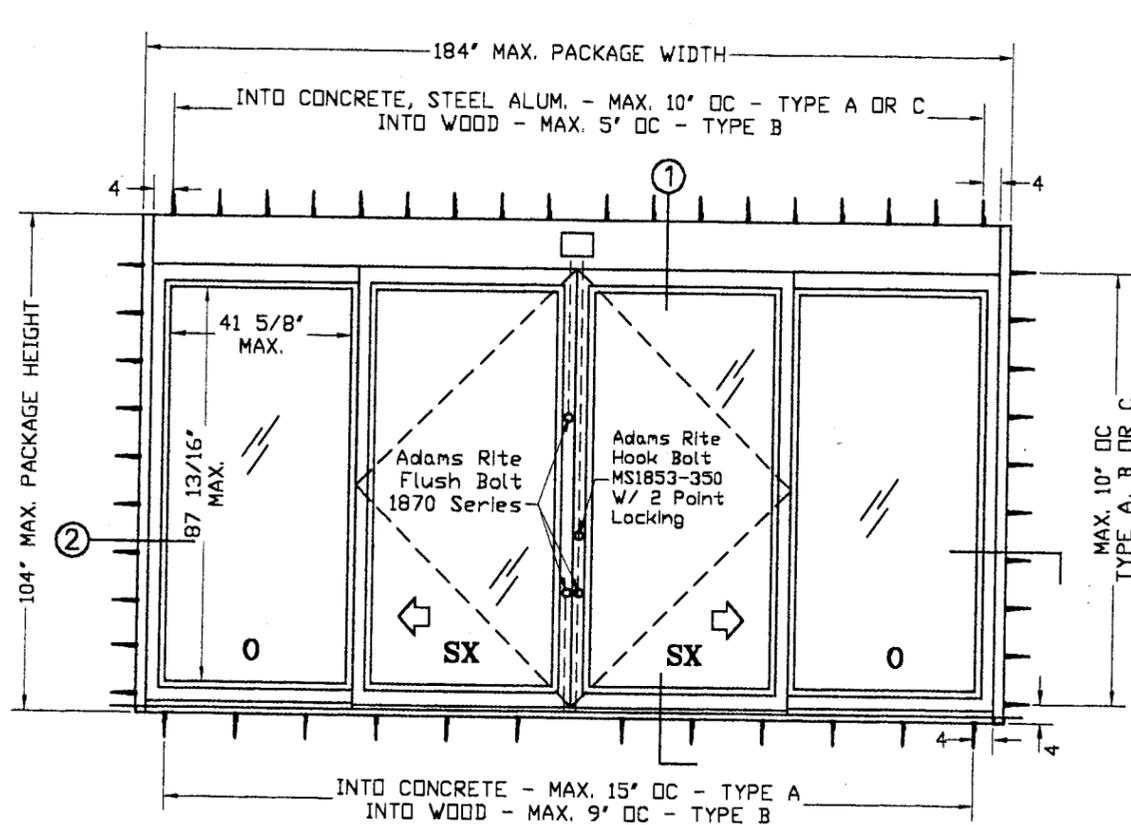
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**DOOR ALLOWABLE
DESIGNED PRESSURES
NON IMPACT**

NOMINAL SIZE	ALLOWABLE PRESSURE
184' x 104'	+57*, -57 PSF
93' x 104'	+57*, -57 PSF
184' x 92'	+64*, -64 PSF
93' x 92'	+64*, -64 PSF



TYPICAL ELEVATION AND ANCHORAGE SPACING



SECTION 1 - SHEET 3 of 4
SECTION 2 - SHEET 4 of 4

SECTION 1 - SHEET 3 of 4
SECTION 3 - SHEET 4 of 4

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.

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GLASS DOOR

Engineering:
EngCo Inc.

CA 8116
6971 W. SUNRISE BLVD, 104
PLANTATION, FL. 33313
TEL: (954) 585-0304
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JUN 01 2006
Engineer Seal
Pedro De Figueiredo
PE 52609

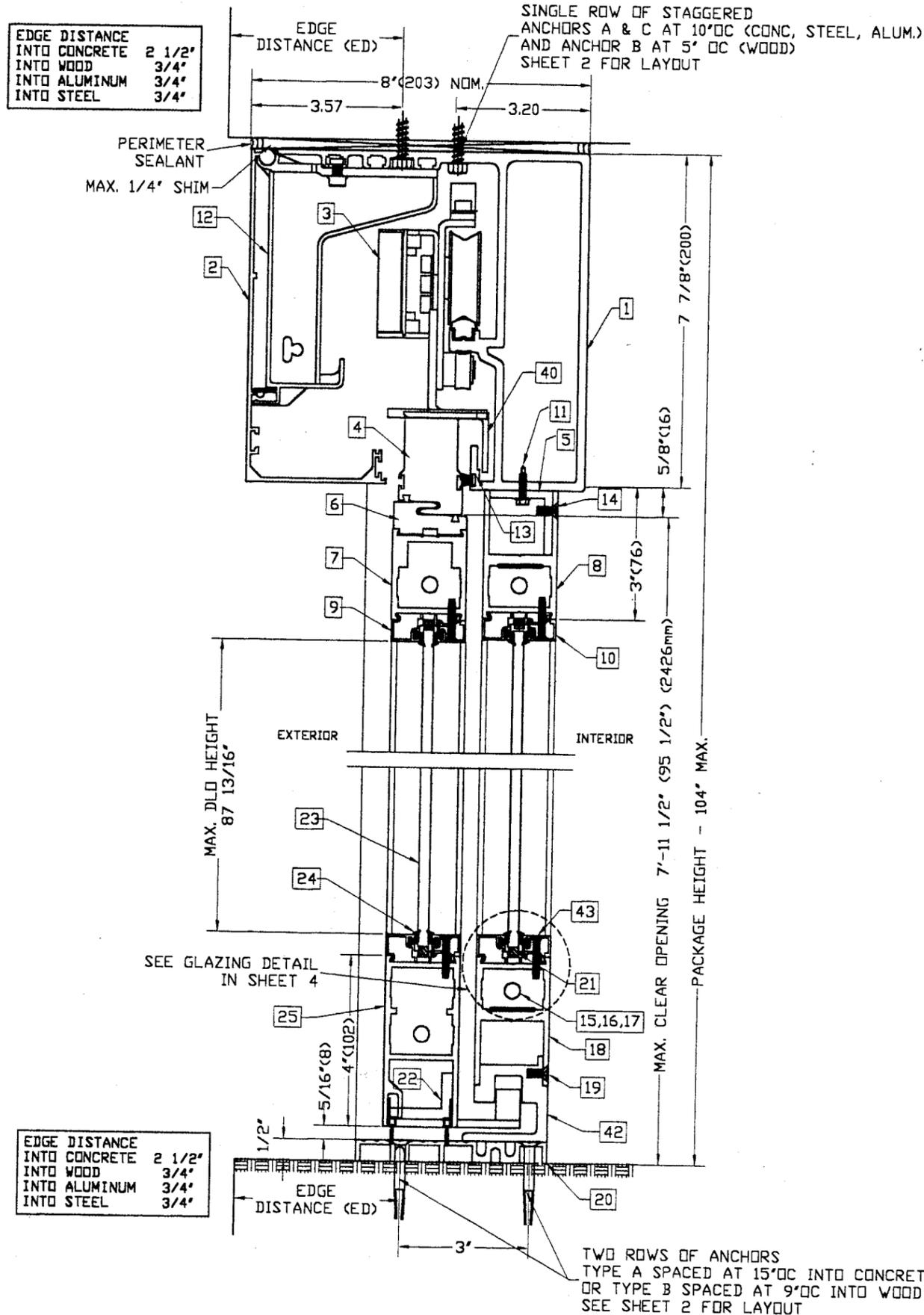
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By: Isung J. (Luna)

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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, 1-1/2" 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, "Q"	140798
9	16	1/2" GUTTER, GLASS STOP	141802
10	16	1/2" FACE, GLASS STOP	140801
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, "Q" 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	1/4" NOM TEMPERED GLASS	
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, "Q" PANEL	140577
29	1	LEAD STILE, "Q" 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, "Q" PANEL	140952
36	1	PIVOT STILE, "SX"	140795
37	1	BACK STILE, "Q" PANEL	140577
38	2	1/2" BRUSH, WEATHER SEAL	141001
39	1	PILE-FIN WEATHER STRIP, STILE	141147
40	2	DE-RAILER	142185
41	2	ALUMINUM BAR, 1/4" X 1-1/2"	141126
42	2	BOTTOM GUIDE RAIL "Q"	140207
43	64	8-32x7/8" FL HD SSMS	US800009
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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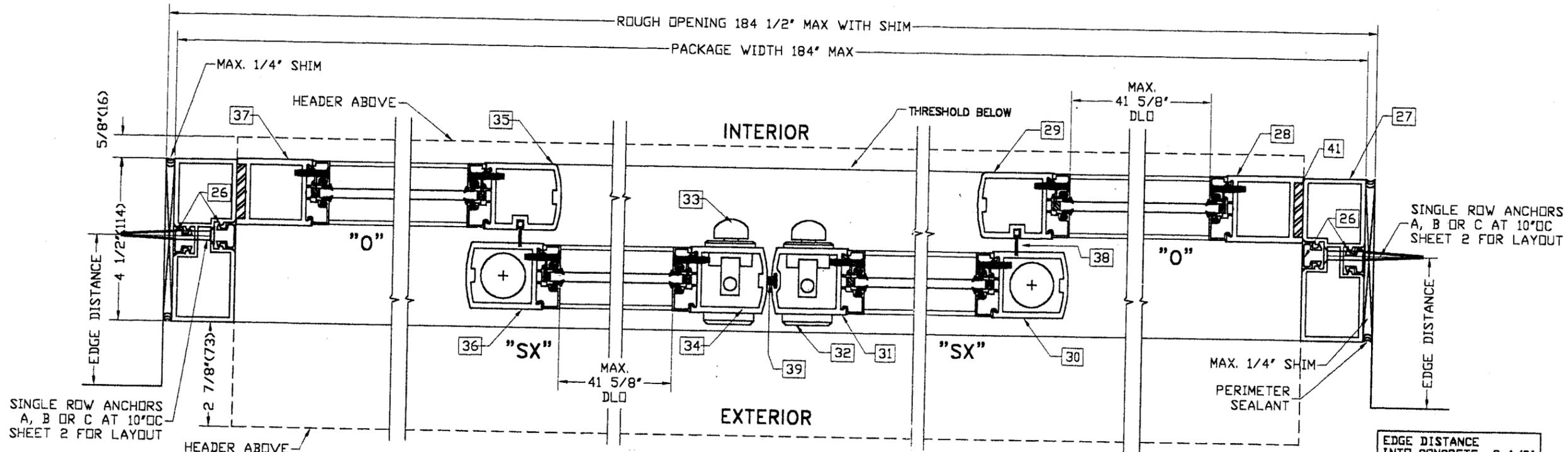
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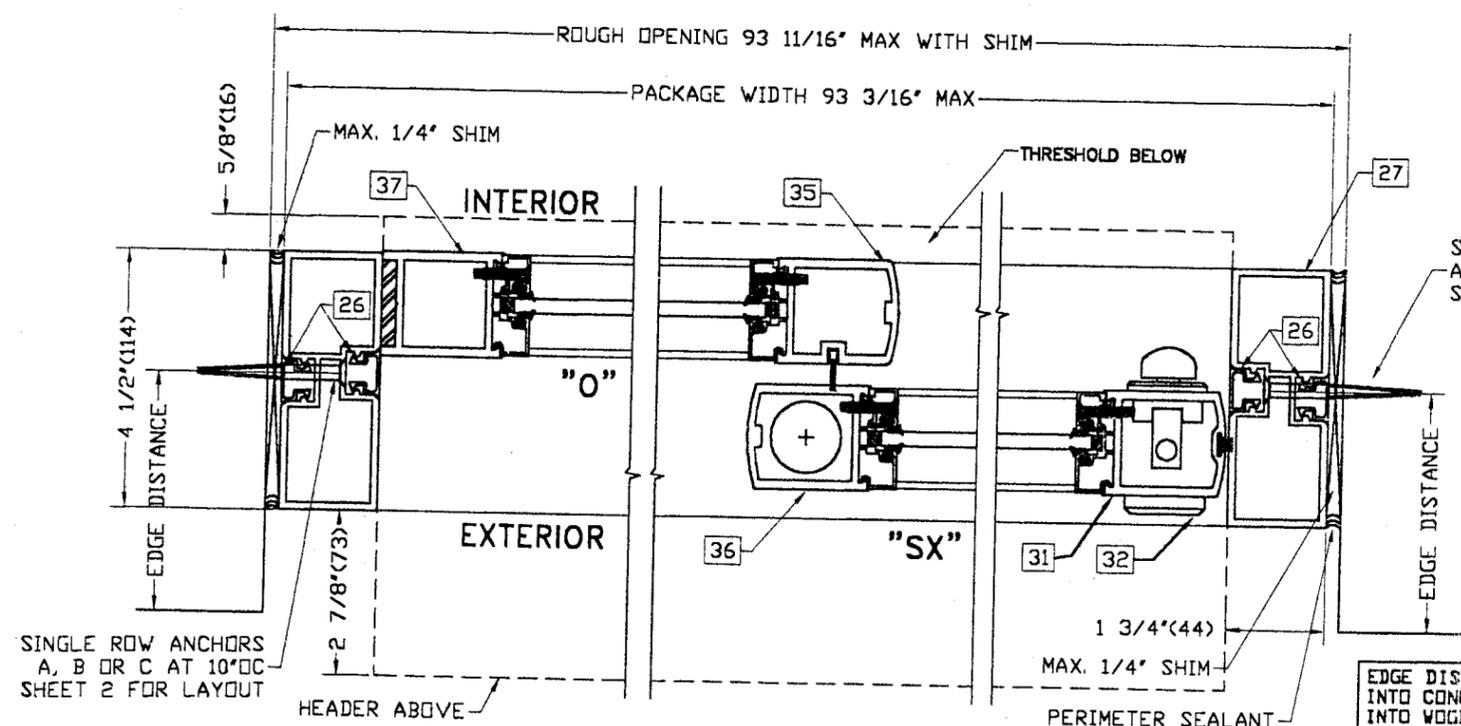
TYPICAL HORIZONTAL SECTION 2



EDGE DISTANCE	
INTO CONCRETE	2 1/2'
INTO WOOD	3/4'
INTO ALUMINUM	3/4'
INTO STEEL	3/4'

EDGE DISTANCE	
INTO CONCRETE	2 1/2'
INTO WOOD	3/4'
INTO ALUMINUM	3/4'
INTO STEEL	3/4'

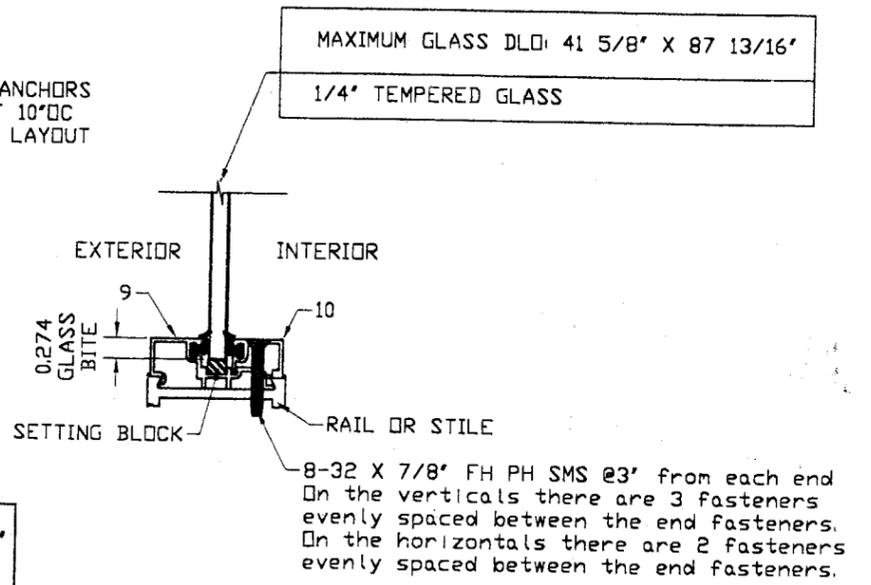
TYPICAL HORIZONTAL SECTION 3



SINGLE ROW ANCHORS
A, B OR C AT 10" OC
SHEET 2 FOR LAYOUT

EDGE DISTANCE	
INTO CONCRETE	2 1/2'
INTO WOOD	3/4'
INTO ALUMINUM	3/4'
INTO STEEL	3/4'

TYPICAL GLAZING DETAIL ENTIRE PERIMETER ALL LITES



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★★★★★
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