



MIAMI-DADE COUNTY
 PRODUCT CONTROL SECTION
 11805 SW 26 Street, Room 208
 Miami, Florida 33175-2474
 T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
 BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

TORMAX USA Inc.
 12859 Wetmore Road
 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 and accepted by Miami-Dade County RER - Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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- L.M.I.

APPROVAL DOCUMENT: Drawing No. 14-101 (Former #12-172), "Series 9200 Impact" Sheets 1 through 4 of 4, prepared by EngCo. Inc., 08-24-2014 and last revised on OCT 06, 2013, 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 Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:

1. Laminated glass must be consist of Vanceva composite interlayer or (Oldcastle Storm glass) w/ PET core.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", 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 renews NOA # 15-0427.10 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.**



3/21/16

NOA No. 16-0202.14
 Expiration Date: June 22, 2021
 Approval Date: March 31, 2016
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (Submitted under files below)
2. Drawing No. **14-101** (Former **#12-172**), "Series 9200 Impact" Sheets 1 through 4 of 4, prepared by EngCo. Inc., 08-24-2014 and last revised on OCT 06, 2013, signed and sealed by Pedro De Figueiredo, P.E.

B. TESTS (Submitted under file **#15-0427.10/# 12-1107.03 /# 11-0502.05/ #06-0202.02**)

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 (submitted under file **#15-0427.10**)

1. Anchor Calculations and structural analysis, complying with FBC-2014(5th Edition), prepared by Engco, Inc., dated 01/02/15, signed and sealed by Pedro De Figueiredo, P.E.
2. Glazing complies w/ ASTM E-1300-02, -04 & -09.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0423.11** issued to Oldcastle Building Envelope Inc. (NJ) (Former Oldecastle Glass, Inc.) for "Storm Glass used for lamination glass", expiring on 12/11/2018.
2. Notice of Acceptance No. **14-0423.15** issued to Eastman Chemical Company (MA), former Solutia Inc. for their "**Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core**", expiring on 12/11/18.

F. STATEMENTS

1. Statement letter of conformance to FBC 2014 (5th Edition) and letter of no financial interest, prepared by Engco, Inc., dated 06/26/15, signed and sealed by Pedro De Figueiredo, P.E. (submitted under file **#15-0427.10**)
2. Lab compliance as part of the above referenced test report.

G. OTHER

1. This NOA **renews** NOA # **15-0427.10**, expiring on June 22, 2021.
2. State of Delaware Certificate of amendment of "Tormax Technologies Inc." name change to "TORMAX USA Inc., dated 04-23-15, signed by Jeffery W. Bullock, Secretary of State.



Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No. 16-0202.14

Expiration Date: June 22, 2021

Approval Date: March 31, 2016

INDEX:

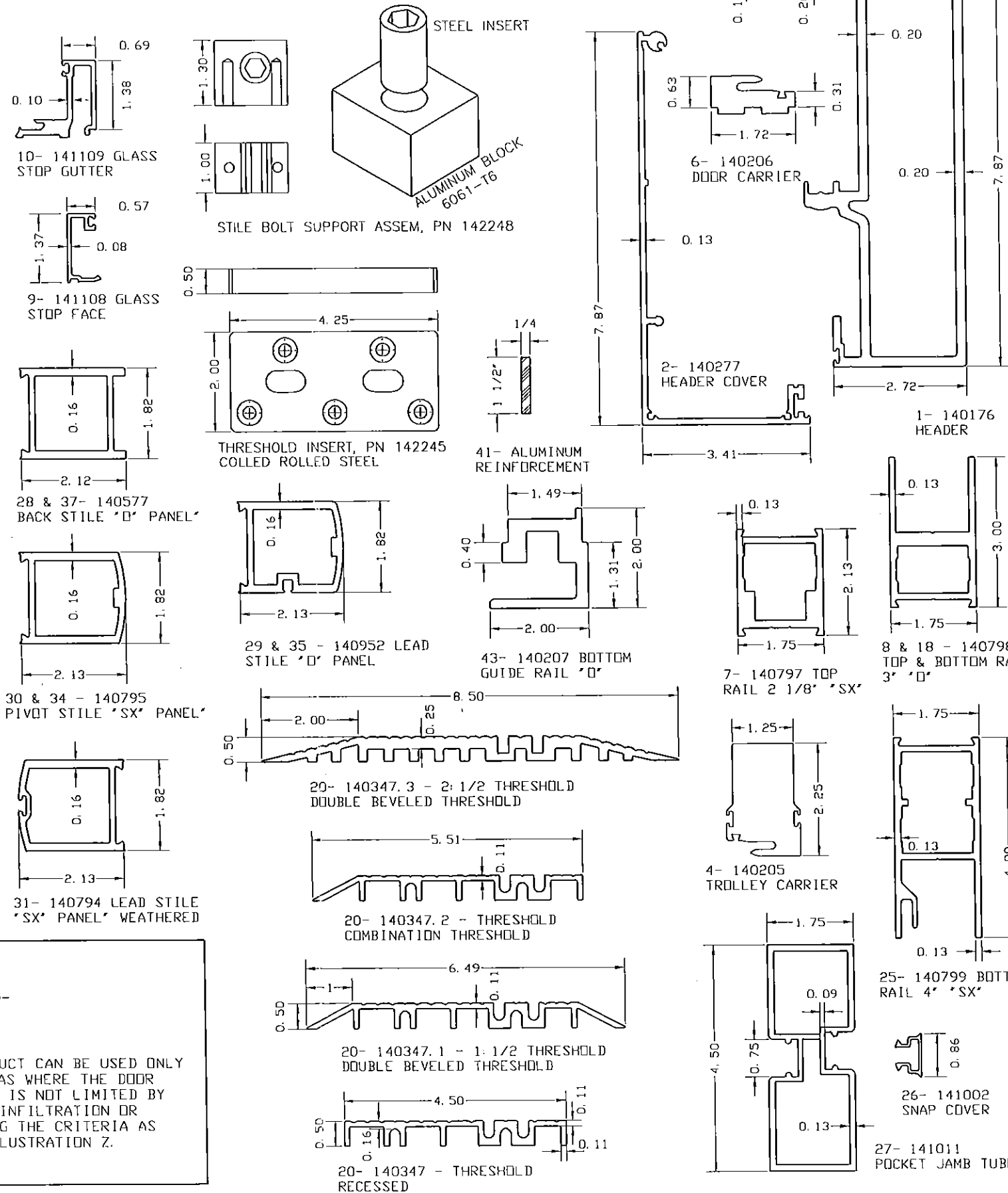
- SHEET 1 OF 4 - GENERAL NOTES, DESIGN RATING AND DOOR COMPONENTS
- SHEET 2 OF 4 - TYPICAL DOOR ELEVATION, FRAMING ANCHORAGE
- SHEET 3 OF 4 - SECTION 1 DETAIL & BILL OF MATERIALS
- SHEET 4 OF 4 - SECTION 2 & 3 DETAILS & GLAZING DETAIL

GENERAL NOTES:

- 1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2010/2014 ED., INCLUDING THE 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 USA, INC. SAN ANTONIO, TEXAS DADE COUNTY PRODUCT CONTROL APPROVED*
- 4- LOADS: DESIGNED LOAD CALCULATED BASED ON THE ASCE 7-10 AND PROVIDED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE PRESSURES HEREIN SPECIFIED. THE DESIGN PRESSURES, AS DETERMINED FROM ASCE 7-10, ARE TO BE MULTIPLE BY 0.6
- 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 E1300-04
- 10- DISSIMILAR MATERIALS: WHERE ALUMINUM IS IN CONTACT OR FASTENED TO DISSIMILAR MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL, INSTALLATION SHALL MEET THE REQUIREMENTS OF CHAPTER M.7 OF THE ALUMINUM DESIGN MANUAL 2010.

PRODUCT REVISED
 as complying with the Florida
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 Expiration Date 6/22/2021
 By Ishag L. Chande
 Miami Dade Product Control

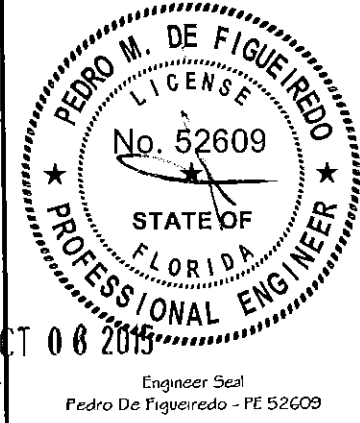
DOOR COMPONENTS



MANUFACTURER:
TORMAX
 AUTOMATIC
 TORMAX USA Inc.
 12859 WETMORE ROAD
 SAN ANTONIO, TX 78247
 PH: (210) 494-3551
 FAX: (210) 494-5930

PRODUCT:
SERIES 9200 IMPACT
 AUTOMATIC SLIDING GLASS DOOR
 LARGE MISSILE IMPACT

ENGINEERING:
ENGCO INC. CA8116
 5595 ORANGE DR. 201
 DAVIE, FL. 33314
 Tel.: (954) 585-0304
 ENGCO@AOL.COM



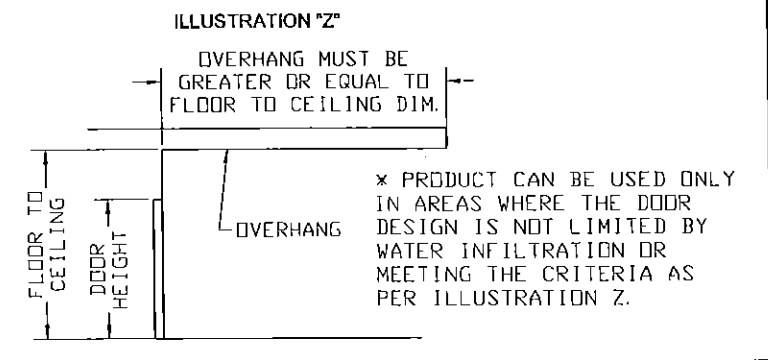
MIAMI-DADE BCCO:

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 By Ishag L. Chande
 Miami Dade Product Control

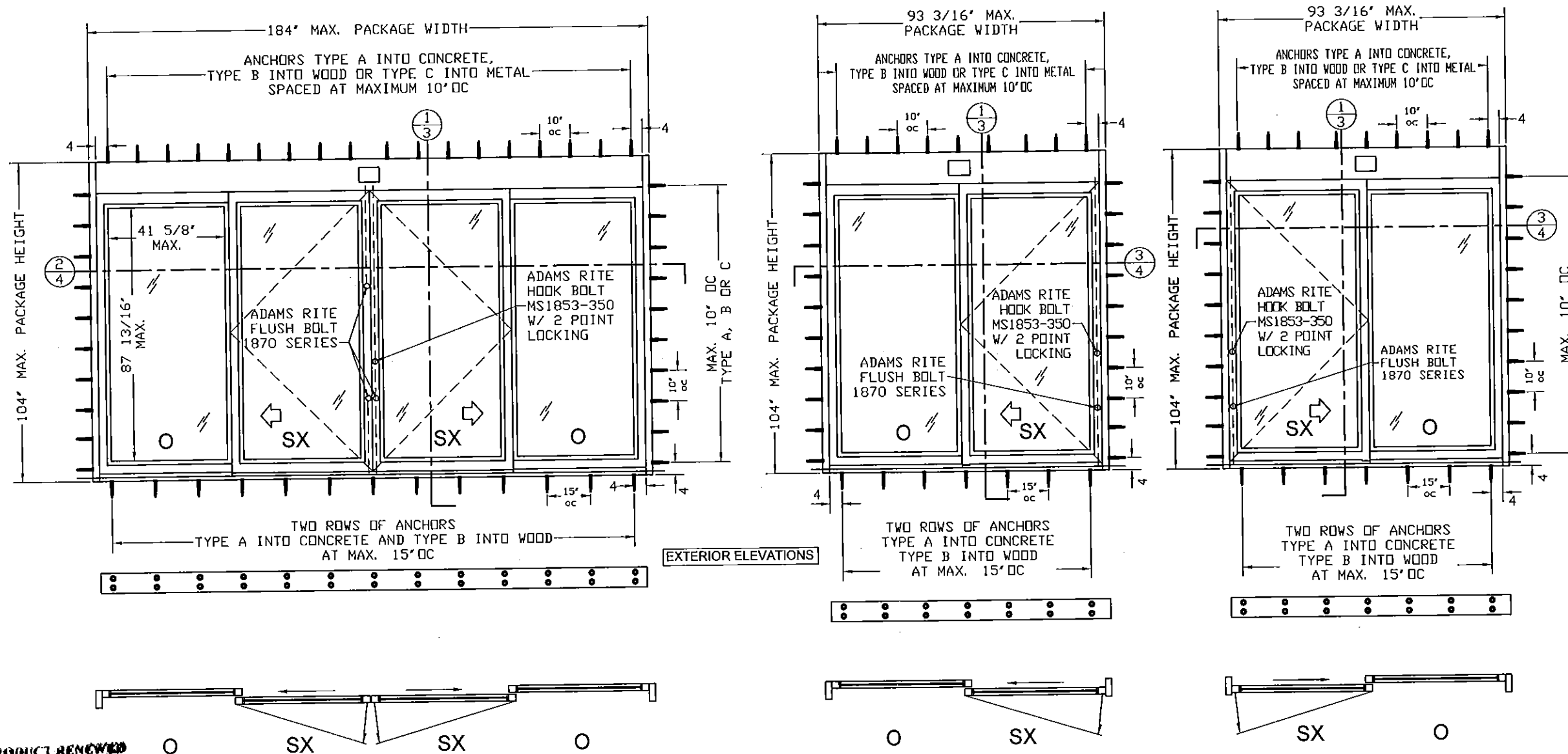
DATE: 08/24/14
 SCALE: NA
 DESIGN BY: PPMF

SHEET 1 OF 4
 DRAWING NUMBER 14-101

DOOR ALLOWABLE
 DESIGNED PRESSURES
 +57*, -57 PSF
 LARGE MISSILE IMPACT



TYPICAL ELEVATION AND ANCHORAGE SPACING



EXTERIOR ELEVATIONS

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

ANCHOR DATA

| MK | DESCRIPTION | BASE MATERIAL | PENETRATION | EDGE DIST. |
|----|--------------------------------|----------------------------------|-------------|------------|
| A | 1/4" ITW TAPCON BY BUILDEX | 3000 PSI CONCRETE | 1 1/2" MIN. | 2 1/2" MIN |
| B | 1/4" ITW TAPCON BY BUILDEX | WOOD (SG)=, 55) | 1 1/2" MIN | 3/4" MIN |
| C | 1/4"-14 HH SMS GRADE 5 GENERIC | 1/8" THICK 6063-T5 ALUMINUM | | 3/4" MIN |
| | 1/4"-14 HH SMS GRADE 5 GENERIC | 1/8" THICK A36 STEEL (Fu=58 ksi) | | 3/4" MIN |

ANCHOR NOTES:
 1- SEE SECTION DETAILS FOR ANCHOR SPACING.
 2- MINIMUM PENETRATION IS BEYOND WALL DRESSING.
 3- TYPICAL 2 ROWS OF ANCHORS FOR THRESHOLD INSTALLATION
 4- BASE MATERIAL DESIGNED BY OTHERS TO WITHSTAND IMPOSED LOAD.

PACKAGE HEIGHT INFORMATION

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

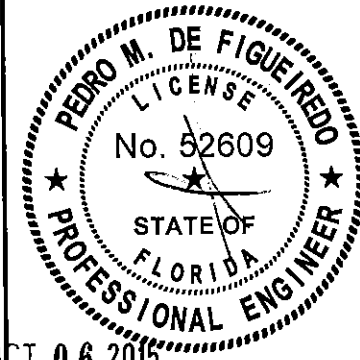
PACKAGE WIDTH INFORMATION

| PKG WIDTH | NOMINAL 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" |

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 ENGCO@AOL.COM



OCT 06 2015
 Engineer Seal
 Pedro De Figueiredo - PE 52609

MIAMI-DADE BCCO:

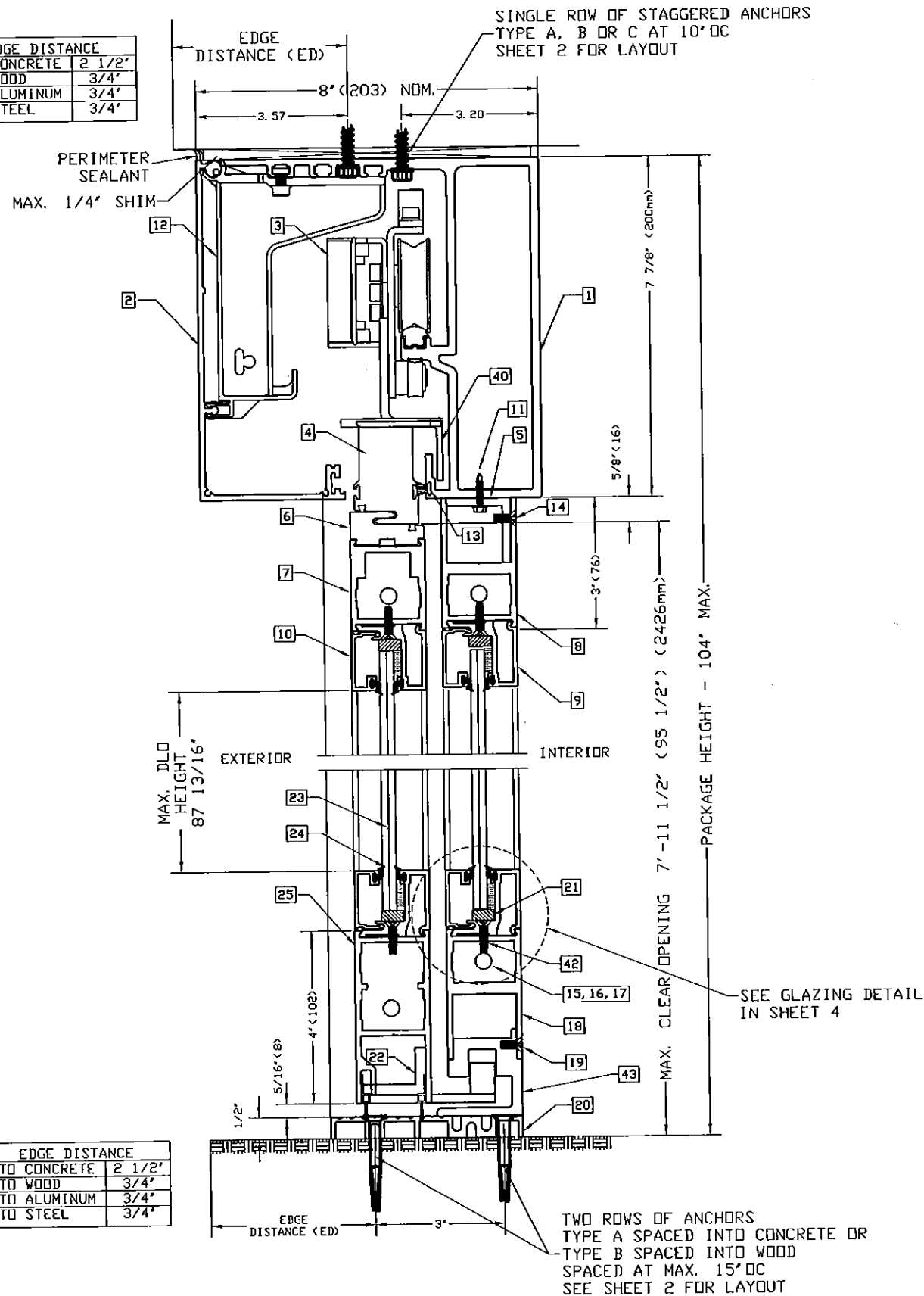
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 SCALE: NA
 DESIGN BY: PPMF

SHEET 2 OF 4
 DRAWING NUMBER 14-101

TYPICAL VERTICAL SECTION $\frac{1}{3}$

| 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" |

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. NDM 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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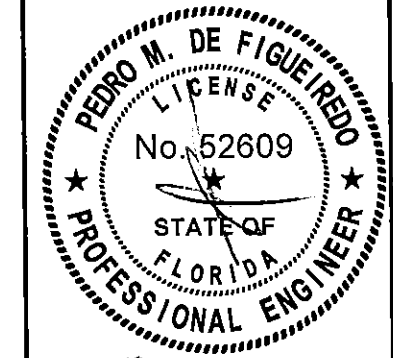
MANUFACTURER:

★★★★★
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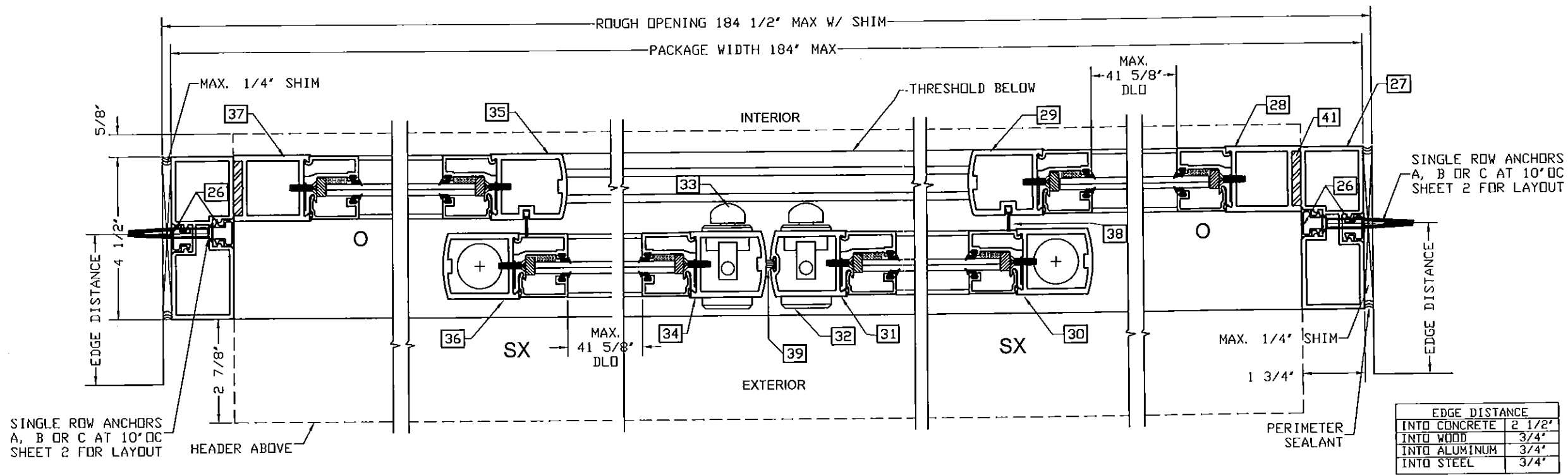
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 DESIGN BY: PPMF

SHEET 3 OF 4
 DRAWING NUMBER 14-101

TYPICAL HORIZONTAL SECTION $\frac{2}{4}$



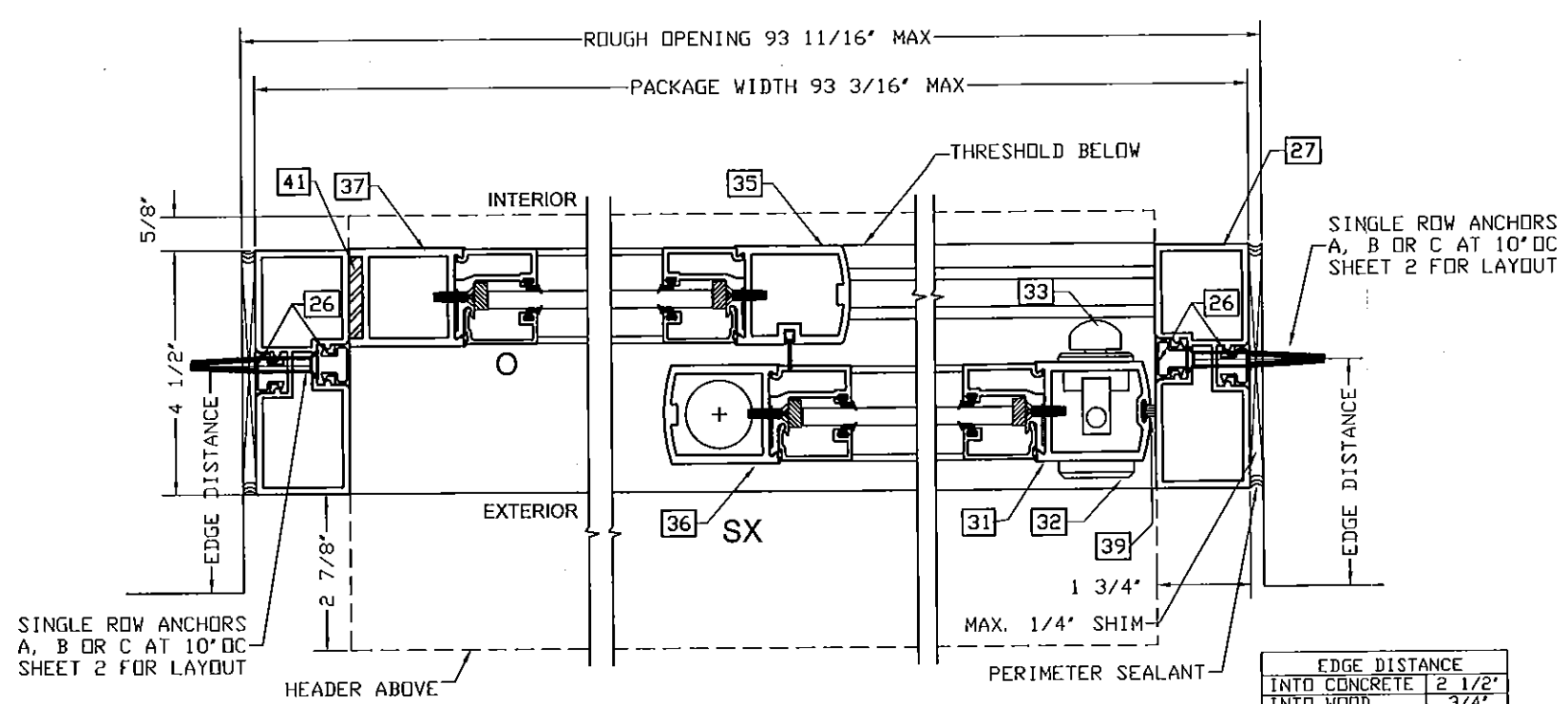
SINGLE ROW ANCHORS A, B OR C AT 10\"/>

| 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 $\frac{3}{4}$

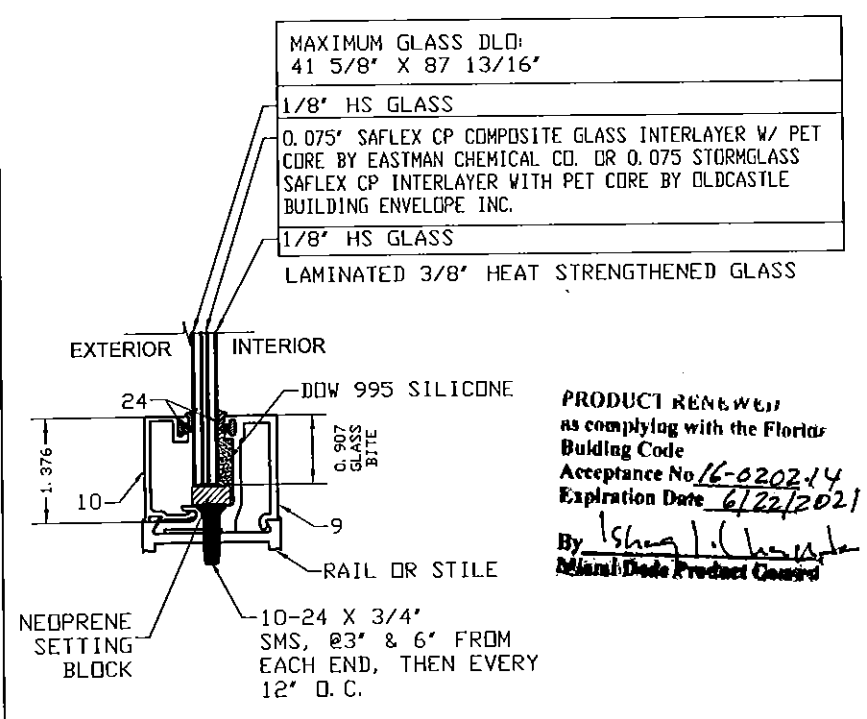


SINGLE ROW ANCHORS A, B OR C AT 10\"/>

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



MAXIMUM GLASS DLD:
41 5/8" X 87 13/16"

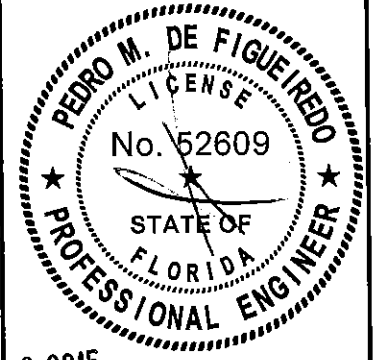
1/8" HS GLASS
0.075" SAFLEX CP COMPOSITE GLASS INTERLAYER W/ PET CORE BY EASTMAN CHEMICAL CO. OR 0.075 STORMGLASS SAFLEX CP INTERLAYER WITH PET CORE BY OLDCASTLE BUILDING ENVELOPE INC.
1/8" HS GLASS
LAMINATED 3/8" HEAT STRENGTHENED GLASS

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SHEET 4 OF 4
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