



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

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599

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

PGT Industries  
1070 Technology Drive  
North Venice, FL 34275

### 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 "PW-701/720/820" Aluminum Fixed Window - L.M.I.

**APPROVAL DOCUMENT:** Drawing No. MD-720-820.1, titled "Fixed Window Installation Guidelines", sheets 1 through 10 of 10, dated 04/12/13, with revision A dated 07/02/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Section Revision 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

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, 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 revises NOA# 13-0502.03 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.



*MP*  
7/2/15

NOA No. 15-0528.26  
Expiration Date: February 19, 2019  
Approval Date: July 09 2015  
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **MD-720-820.1**, titled "Fixed Window Installation Guidelines", sheets 1 through 10 of 10, dated 04/12/13, with revision A dated 07/02/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, 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 Resistance Test, per FBC, TAS 202-94  
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, and TAS 202-94  
along with marked-up drawings and installation diagram of an aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7212**, dated 03/21/13, signed and sealed by Marlin D. Brinson, P.E.  
*(Submitted under previous NOA No. 13-0502.03)*
2. 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 Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-3835** and **FTL-3850**, dated 07/18/03 and 07/31/03 respectively, all signed and sealed by Joseph C. Chan, P.E.  
*(Submitted under NOA No. 03-1105.01)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC-5<sup>th</sup> Edition (2014)**, dated 05/20/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Glazing complies with **ASTM E1300-09**

**D. QUALITY ASSURANCE**

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

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 15-0528.26  
Expiration Date: February 19, 2019  
Approval Date: July 09 2015

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**E. MATERIAL CERTIFICATIONS**

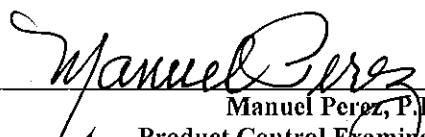
1. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** for their "**Kuraray Butacite® PVB Glass Interlayer**" dated 04/25/15, expiring on 12/11/16.
2. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their "**Kuraray SentryGlas® (Clear and White) Glass Interlayers**" dated 06/25/15, expiring on 07/04/18.
3. TREMCO Part No. **TR-14271E** EPDM exterior glazing gasket complying with the following:
  - a) ASTM C864 Specification for Dense Elastomeric Compression Seal Gaskets, Setting Blocks, and Spacers with Option II exceptions.
  - b) ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers—Tension of 1600 PSI.
  - c) ASTM D395B Test Methods for Rubber Property—Compression Set for 22 HRS 158°F.
  - d) ASTM D 624 Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers of 143 lb/ in.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC-5<sup>th</sup> Edition (2014)**, dated May 20, 2015, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated May 20, 2015, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
3. Laboratory compliance letter for Test Report No. **FTL-7212**, dated 03/21/13, signed and sealed by Marlin D. Brinson, P.E.  
*(Submitted under previous NOA No. 13-0502.03)*
4. Laboratory compliance letter for Test Reports No. **FTL-3835** and **FTL-3850**, dated 07/18/03 and 07/31/03 respectively, all signed and sealed by Joseph C. Chan, P.E.  
*(Submitted under NOA No. 03-1105.01)*

**G. OTHERS**

1. Notice of Acceptance No. **13-0502.03**, issued to PGT Industries for their Series "PW-701/720/820" Aluminum Fixed Window – L.M.I." approved on 07/18/13 and expiring on 02/19/19.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 15-0528.26

Expiration Date: February 19, 2019

Approval Date: July 09 2015

GENERAL NOTES: SERIES 720/820  
IMPACT-RESISTANT FIXED WINDOW

1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS. FOR INSULATED GLASS INSTALLATIONS ABOVE 30' IN THE HVHZ, THE OUTBOARD LITE (CAP) MUST TEMPERED.

3) FOR MASONRY APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED MASONRY ANCHORS. MATERIALS USED FOR ANCHOR EVALUATIONS WERE SOUTHERN PINE, ASTM C90 CONCRETE MASONRY UNITS AND CONCRETE WITH MIN. KSI PER ANCHOR TYPE.

4) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER, (EOR) OR ARCHITECT OF RECORD, (AOR).

5) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT EMBEDMENT. NARROW JOINT SEALANT IS USED ON ALL FOUR CORNERS OF THE FRAME. INSTALLATION ANCHORS SHOULD BE SEALED. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.

6) MAX. 1/4" SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE WINDOW.

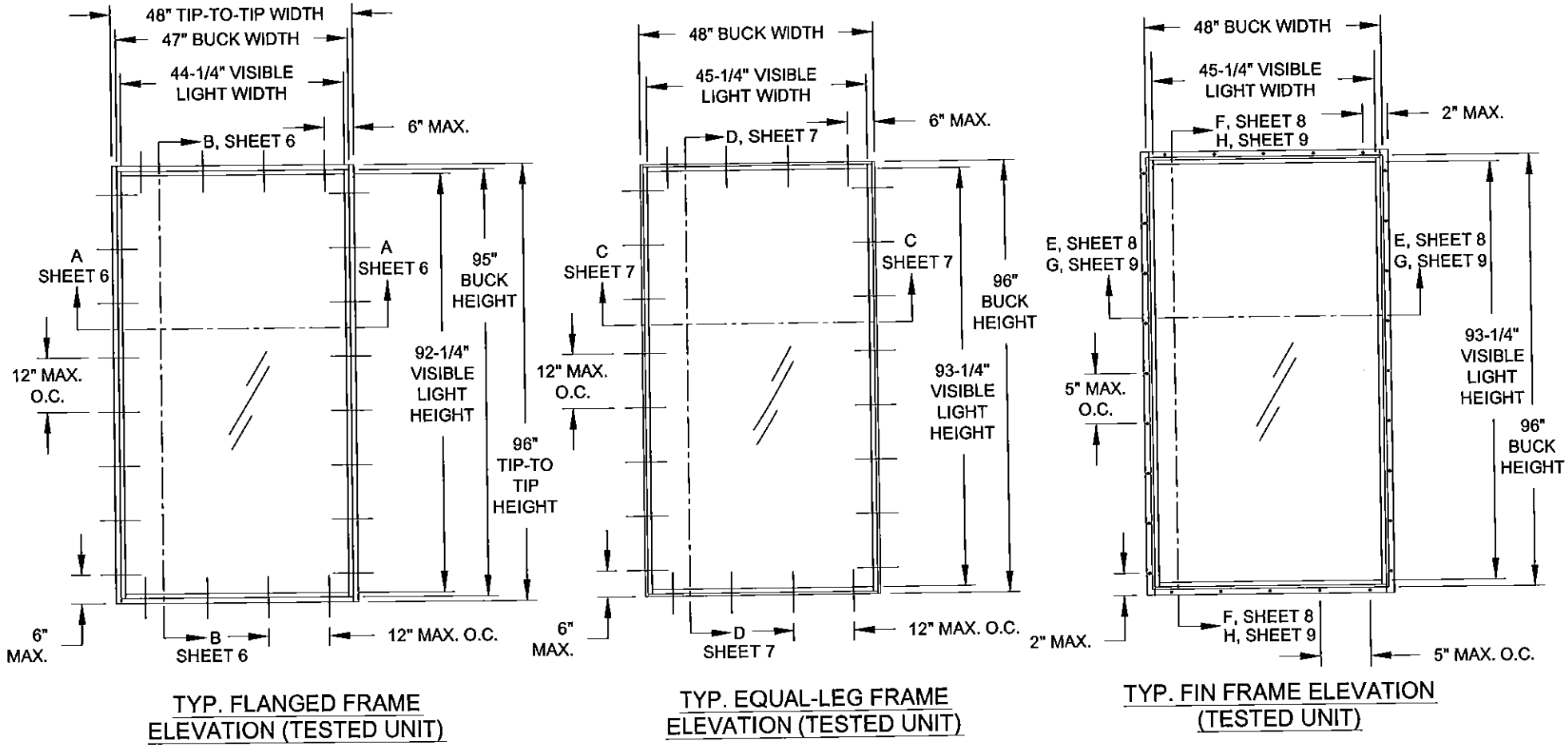
7) DESIGN PRESSURES:  
A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL/CYCLE TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.  
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL/ CYCLE TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.

8) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.

9) REFERENCES: TEST REPORTS FTL-3835, 3850 & 7212; ELCO ULTRACON NOA; ELCO CRETEFLEX NOA; ANSI/AF&PA NDS FOR WOOD CONSTRUCTION AND ALUMINUM DESIGN MANUAL.

10) THE 720 SERIES USES A PVB INTERLAYER, THE 820 SERIES USES AN SG INTERLAYER. THE 720 AND 820 SERIES MAY ALSO BE REFERRED AS THE 701 SERIES.

| DESIGN PRESSURE RATING | IMPACT RATING                                     |
|------------------------|---------------------------------------------------|
| VARIES, SEE SHEETS 2-5 | RATED FOR LARGE & SMALL MISSILE IMPACT RESISTANCE |



GUIDE TO SHEETS:

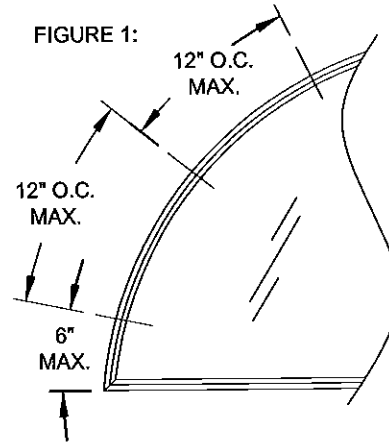
|                               |     |
|-------------------------------|-----|
| GENERAL NOTES.....            | 1   |
| ELEVATIONS.....               | 1   |
| GLAZING DETAILS.....          | 2-5 |
| DESIGN PRESSURES.....         | 2-5 |
| INSTALLATION, FLANGE.....     | 6   |
| INSTALLATION, EQUAL-LEG.....  | 7   |
| INSTALLATION, INT. FIN A..... | 8   |
| INSTALLATION, INT. FIN B..... | 9   |
| CORNER ASSEMBLY.....          | 10  |
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TABLE 1:

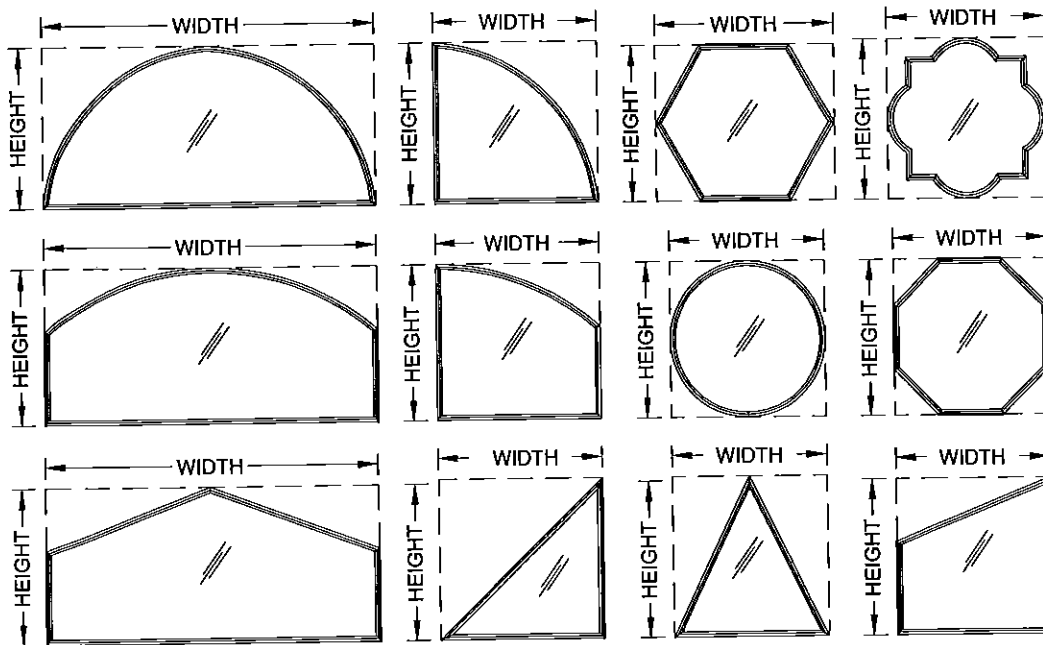
| Type # | Description                                                              | Sheet # |
|--------|--------------------------------------------------------------------------|---------|
| 1      | 7/16" Lami (3/16" An - .090" PVB - 3/16" HS)                             | 2       |
| 2      | 7/16" Lami (3/16" HS - .090" PVB - 3/16" HS)                             | 2       |
| 3      | 1-1/16" Lami. IG (3/16" T - 7/16" Air - 3/16" An - .090" PVB - 3/16" HS) | 3       |
| 4      | 1-1/16" Lami. IG (3/16" T - 7/16" Air - 3/16" HS - .090" PVB - 3/16" HS) | 3       |
| 5      | 7/16" Lami (3/16" An - .090" SG - 3/16" An)                              | 4       |
| 6      | 7/16" Lami (3/16" HS - .090" SG - 3/16" HS)                              | 4       |
| 7      | 1-1/16" Lami. IG (3/16" T - 7/16" Air - 3/16" An - .090" SG - 3/16" An)  | 5       |
| 8      | 1-1/16" Lami. IG (3/16" T - 7/16" Air - 3/16" HS - .090" SG - 3/16" HS)  | 5       |

"SG" = "KURARAY SENTRYGLAS® INTERLAYER" BY KURARAY AMERICA, INC.  
"PVB" = "KURARAY BUTACITE® PVB INTERLAYER" BY KURARAY AMERICA, INC.

FIGURE 1:



SHAPES AS SHOWN BELOW OR SIMILAR, MAY BE USED BY INSCRIBING THE SHAPE IN A BLOCK AND OBTAINING DESIGN PRESSURES FOR THAT BLOCK SIZE FROM THE TABLES ON SHEETS 2-5. ANCHOR SPACING TO BE 6" MAX. FROM CORNERS AND 12" O.C. MAX. FOR ALL CURVED FRAME MEMBERS, SEE FIGURE 1, THIS SHEET.



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0528.26  
Expiration Date Feb. 19, 2019  
By *Manuel Perez*  
Miami Dade Product Control

5TH EDITION FBC UPDATE  
DATE: 07/02/15

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274  
(941)-480-1600

CERT. OF AUTH. #29296

FIXED WINDOW INSTALLATION GUIDELINES

GENERAL NOTES & ELEVATION

4/12/13

J ROSOWSKI

MD-720-820.1

1 OF 10

NTS

PW-720

PW-820

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
7/2/15  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
P.E.# 58705

TABLE 2:

| Window Design Pressure (+/-, psf) for Glass Type 1 |                |       |       |       |       |       |       |       |       |       |         |  |
|----------------------------------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--|
| Short Side (in)                                    | Long Side (in) |       |       |       |       |       |       |       |       |       |         |  |
|                                                    | 67-7/8         | 72    | 76    | 80    | 84    | 88    | 92    | 96    | 100   | 104   | 109-1/2 |  |
| 30                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 32                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 34                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 36                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 38                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 40                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 42                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 44                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 46                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 48                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 50                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 52                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 54                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 56                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 58                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 60                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 62                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 64                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 66                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 67-7/8                                             | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |

NOTES:  
1) BUCK DIMENSIONS SHOWN. FOR FLANGED WINDOWS, SUBTRACT 1" FROM THE TIP-TO-TIP DIMENSION TO DETERMINE THE BUCK DIMENSION.  
2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.  
3) FOR ARCHITECTURAL WINDOWS, FIND THE SMALLEST WINDOW SIZE IN THE TABLE ABOVE WHICH THE OVERALL DIMENSIONS COMPLETELY FIT WITHIN.

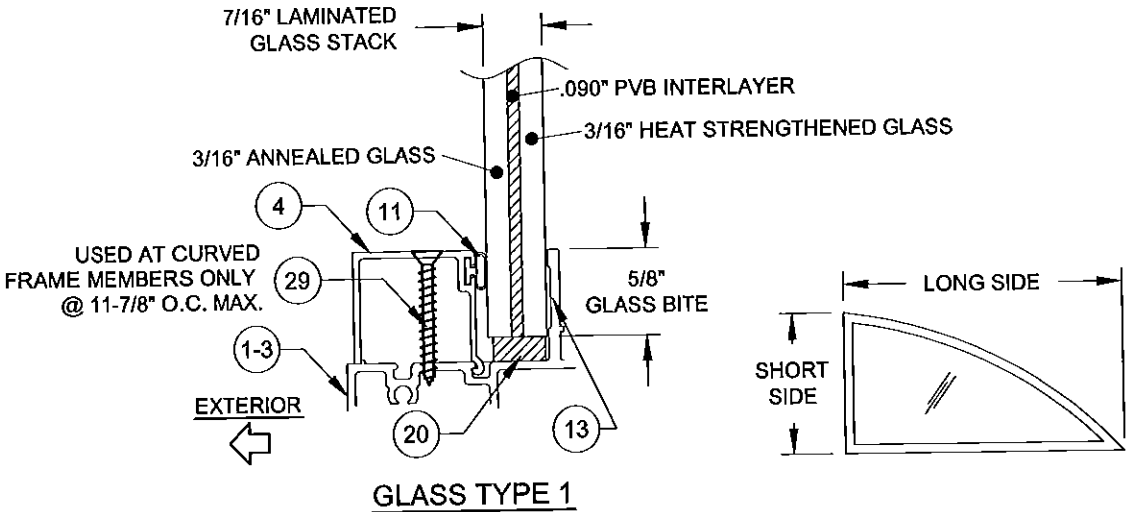
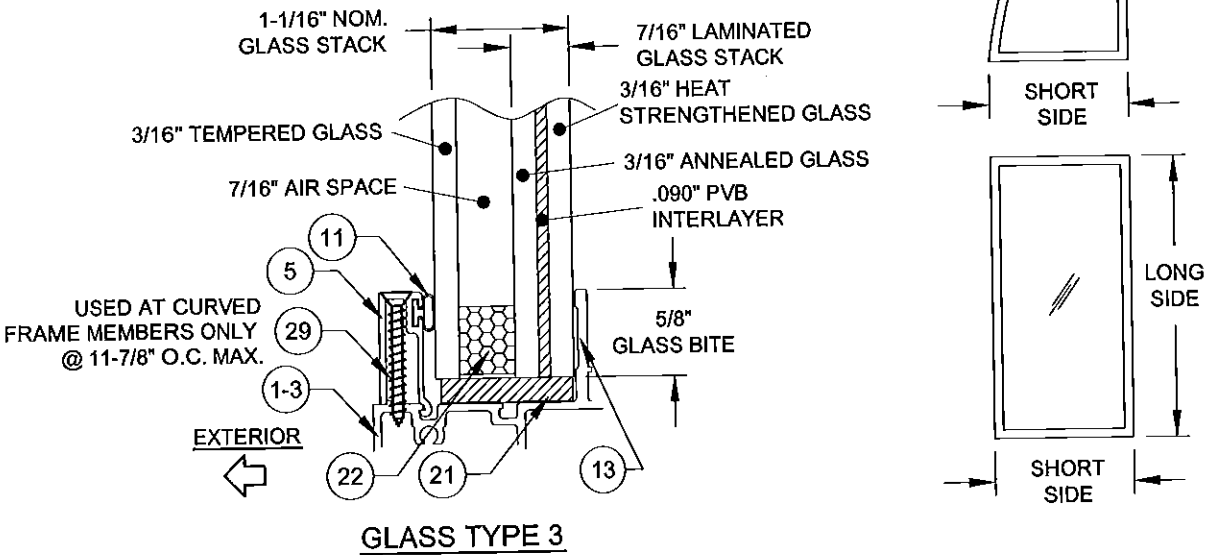


TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN.

TABLE 3:

| Window Design Pressure (+/-, psf) for Glass Type 3 |                |       |       |       |       |       |       |       |       |       |         |  |
|----------------------------------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--|
| Short Side (in)                                    | Long Side (in) |       |       |       |       |       |       |       |       |       |         |  |
|                                                    | 67-7/8         | 72    | 76    | 80    | 84    | 88    | 92    | 96    | 100   | 104   | 109-1/2 |  |
| 30                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 32                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 34                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 36                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 38                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 40                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 42                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 44                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 46                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 48                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 50                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 52                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 54                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 56                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 58                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 60                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 62                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 64                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 66                                                 | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |
| 67-7/8                                             | +/-80          | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |  |

NOTES:  
1) BUCK DIMENSIONS SHOWN. FOR FLANGED WINDOWS, SUBTRACT 1" FROM THE TIP-TO-TIP DIMENSION TO DETERMINE THE BUCK DIMENSION.  
2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.  
3) FOR ARCHITECTURAL WINDOWS, FIND THE SMALLEST WINDOW SIZE IN THE TABLE ABOVE WHICH THE OVERALL DIMENSIONS COMPLETELY FIT WITHIN.



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as complying with the Florida  
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Expiration Date Feb 19, 2019  
By *Manuel Perez*  
Miami Dade Product Control

NO CHANGE THIS SHEET  
DATE: 07/02/15

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274  
(941)-480-1600

CERT. OF AUTH. #29296

FIXED WINDOW INSTALLATION GUIDELINES 4/12/13

DESIGN PRESSURE TABLES 1

J ROSOWSKI

MD-720-820.1

2 OF 10

NTS

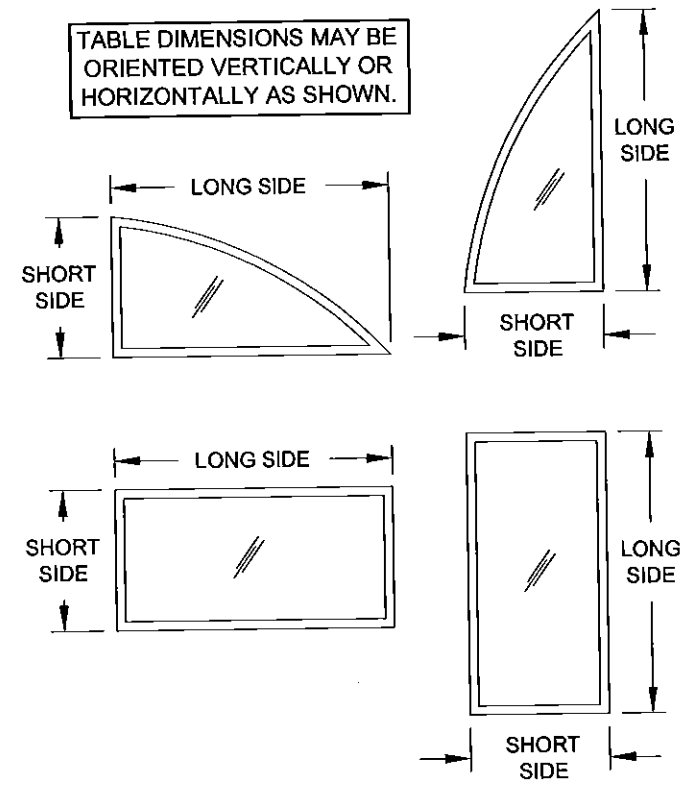
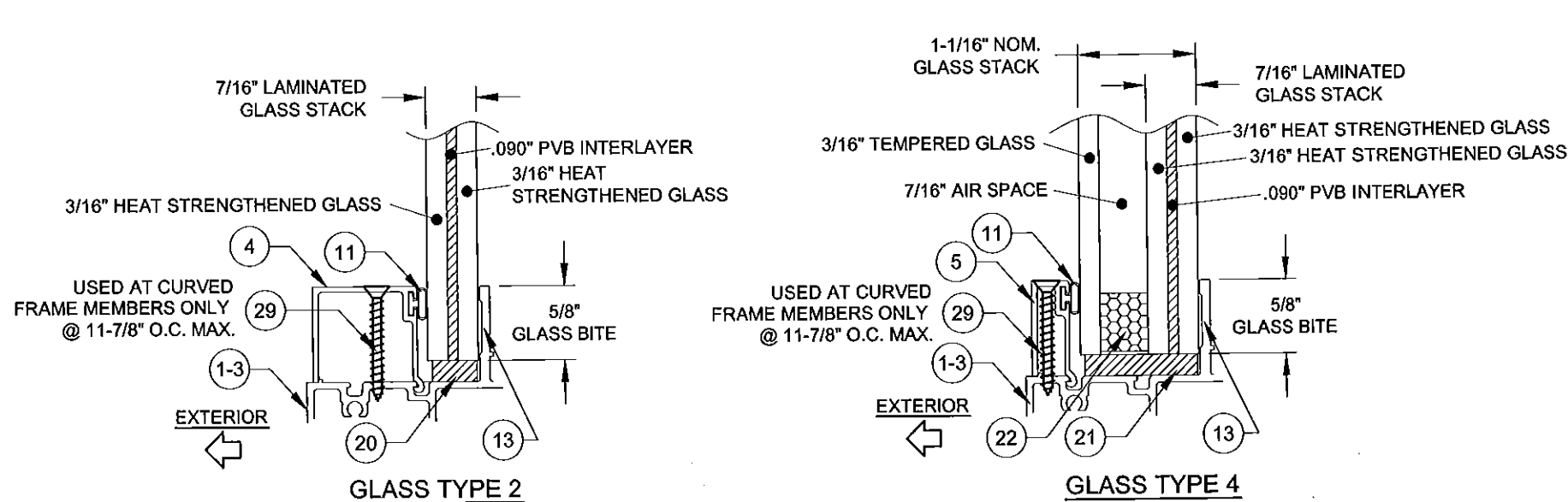
PW-720  
PW-820

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
7/2/15  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
P.E.# 58705

TABLE 4:

|                 |       | Window Design Pressure (+/-, psf) for Glass Types 2 & 4 |       |         |         |         |         |       |       |       |       |         |       |       |       |       |       |       |       |       |       |
|-----------------|-------|---------------------------------------------------------|-------|---------|---------|---------|---------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                 |       | Long Side (in)                                          |       |         |         |         |         |       |       |       |       |         |       |       |       |       |       |       |       |       |       |
|                 |       | 67-7/8                                                  | 72    | 76      | 80      | 84      | 88      | 92    | 96    | 100   | 104   | 109-1/2 | 112   | 116   | 120   | 124   | 128   | 132   | 136   | 140   | 144   |
| Short Side (in) | 30    | +/-80                                                   | +/-80 | +/-80   | +/-80   | +/-80   | +/-80   | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 |
|                 | 32    | +/-80                                                   | +/-80 | +/-80   | +/-80   | +/-80   | +/-80   | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 |
|                 | 34    | +/-80                                                   | +/-80 | +/-80   | +/-80   | +/-80   | +/-80   | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 |       |
|                 | 36    | +/-80                                                   | +/-80 | +/-80   | +/-80   | +/-80   | +/-80   | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   | +/-80 | +/-80 | +/-80 | +/-80 | +/-80 |       |       |       |       |
|                 | 38    | +/-80                                                   | +/-80 | +/-80   | +/-80   | +/-80   | +/-80   | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   | +/-80 | +/-80 | +/-80 |       |       |       |       |       |       |
|                 | 40    | +/-80                                                   | +/-80 | +/-80   | +/-80   | +/-80   | +/-80   | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   | +/-80 |       |       |       |       |       |       |       |       |
|                 | 42    | +/-80                                                   | +/-80 | +/-80   | +/-80   | +/-80   | +/-80   | +/-80 | +/-80 | +/-80 | +/-80 | +/-80   |       |       |       |       |       |       |       |       |       |
|                 | 44    | +/-80                                                   | +/-80 | +/-80   | +/-80   | +/-80   | +/-80   | +/-80 | +/-80 | +/-80 | +/-80 |         |       |       |       |       |       |       |       |       |       |
|                 | 46    | +/-80                                                   | +/-80 | +/-80   | +/-80   | +/-80   | +/-80   | +/-80 | +/-80 | +/-80 |       |         |       |       |       |       |       |       |       |       |       |
|                 | 48    | +/-80                                                   | +/-80 | +/-80   | +/-80   | +/-80   | +/-80   | +/-80 | +/-80 |       |       |         |       |       |       |       |       |       |       |       |       |
|                 | 50    | +/-80                                                   | +/-80 | +/-80   | +/-80   | +/-80   | +/-80   | +/-80 |       |       |       |         |       |       |       |       |       |       |       |       |       |
|                 | 52    | +/-80                                                   | +/-80 | +/-80   | +/-80   | +/-80   | +/-79.1 |       |       |       |       |         |       |       |       |       |       |       |       |       |       |
|                 | 54    | +/-80                                                   | +/-80 | +/-80   | +/-80   | +/-78.6 |         |       |       |       |       |         |       |       |       |       |       |       |       |       |       |
|                 | 56    | +/-80                                                   | +/-80 | +/-80   | +/-79.1 |         |         |       |       |       |       |         |       |       |       |       |       |       |       |       |       |
|                 | 58    | +/-80                                                   | +/-80 | +/-80   |         |         |         |       |       |       |       |         |       |       |       |       |       |       |       |       |       |
|                 | 60    | +/-80                                                   | +/-80 | +/-79.3 |         |         |         |       |       |       |       |         |       |       |       |       |       |       |       |       |       |
|                 | 62    | +/-80                                                   | +/-80 |         |         |         |         |       |       |       |       |         |       |       |       |       |       |       |       |       |       |
| 64              | +/-80 | +/-80                                                   |       |         |         |         |         |       |       |       |       |         |       |       |       |       |       |       |       |       |       |
| 66              | +/-80 |                                                         |       |         |         |         |         |       |       |       |       |         |       |       |       |       |       |       |       |       |       |
| 67-7/8          | +/-80 |                                                         |       |         |         |         |         |       |       |       |       |         |       |       |       |       |       |       |       |       |       |

- NOTES:
- 1) BUCK DIMENSIONS SHOWN. FOR FLANGED WINDOWS, SUBTRACT 1" FROM THE TIP-TO-TIP DIMENSION TO DETERMINE THE BUCK DIMENSION.
  - 2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.
  - 3) FOR ARCHITECTURAL WINDOWS, FIND THE SMALLEST WINDOW SIZE IN THE TABLE ABOVE WHICH THE OVERALL DIMENSIONS COMPLETELY FIT WITHIN.



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. **15-0528.26**  
Expiration Date **Feb 19, 2019**  
By *Manuel Perez*  
Miami Dade Product Control

Rev A  
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1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274  
(941)-480-1600  
CERT. OF AUTH. #29296

FIXED WINDOW INSTALLATION GUIDELINES  
DESIGN PRESSURE TABLES 2

Rev. 4/12/13  
Date  
By J ROSOWSKI  
Drawn  
No. MD-720-820.1  
DWG  
3 OF 10  
Sheet  
NTS  
Scale  
PW-720  
PW-820  
Series Desc. Title

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
7/2/15  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
P.E.# 58705

TABLE 5:

| Window Design Pressure (+/-, psf) for Glass Type 5 |                |            |            |            |            |           |            |            |            |            |           |
|----------------------------------------------------|----------------|------------|------------|------------|------------|-----------|------------|------------|------------|------------|-----------|
|                                                    | Long Side (in) |            |            |            |            |           |            |            |            |            |           |
|                                                    | 67-7/8         | 72         | 76         | 80         | 84         | 88        | 92         | 96         | 100        | 104        | 109-1/2   |
| 30                                                 | +90/-125.4     | +90/-120   | +90/-115.5 | +90/-111.5 | +90/-108.5 | +90/-106  | +90/-104.5 | +90/-103.5 | +90/-102.5 | +90/-100.7 | +90/-97.9 |
| 32                                                 | +90/-116.9     | +90/-110.8 | +90/-105.3 | +90/-101.6 | +90/-98.7  | +90/-95.7 | +90/-92.3  | +90/-90.6  | +90/-90.3  | +/-89.9    | +/-89     |
| 34                                                 | +90/-108.9     | +90/-103   | +90/-98.8  | +90/-95.1  | +90/-91.8  | +/-88.2   | +/-84.4    | +/-81.5    | +/-80.1    | +/-79.8    | +/-79.4   |
| 36                                                 | +90/-102.6     | +90/-97.1  | +90/-92.8  | +/-88.9    | +/-85.5    | +/-82.6   | +/-79.7    | +/-77.2    | +/-75.1    | +/-73.4    | +/-72.2   |
| 38                                                 | +90/-98.4      | +90/-92.2  | +/-86.7    | +/-83.2    | +/-80.7    | +/-78.1   | +/-75.2    | +/-72.5    | +/-70.3    | +/-68.5    | +/-66.3   |
| 40                                                 | +90/-94.6      | +/-88.2    | +/-82.6    | +/-79.8    | +/-77.2    | +/-74.3   | +/-71.3    | +/-67.9    | +/-65.1    | +/-63.4    | +/-61.6   |
| 42                                                 | +90/-91.3      | +/-84.7    | +/-80.7    | +/-77.4    | +/-74.3    | +/-71.3   | +/-68.2    | +/-64.7    | +/-61.6    | +/-59.8    | +/-58.2   |
| 44                                                 | +/-88.3        | +/-82.4    | +/-78.9    | +/-75.4    | +/-72.1    | +/-68.9   | +/-65.6    | +/-62.2    | +/-59.7    | +/-57.5    |           |
| 46                                                 | +/-85.4        | +/-80.8    | +/-77.2    | +/-73.6    | +/-70.1    | +/-66.8   | +/-63.5    | +/-60.3    | +/-57.7    |            |           |
| 48                                                 | +/-82.7        | +/-79.3    | +/-75.6    | +/-71.9    | +/-68.3    | +/-64.9   | +/-61.5    | +/-58.2    |            |            |           |
| 50                                                 | +/-80.9        | +/-77.5    | +/-74.1    | +/-70.3    | +/-66.7    | +/-63.1   | +/-59.7    |            |            |            |           |
| 52                                                 | +/-79.1        | +/-75.6    | +/-72.4    | +/-68.8    | +/-65.1    | +/-61.5   |            |            |            |            |           |
| 54                                                 | +/-77.4        | +/-73.8    | +/-70.5    | +/-67.3    | +/-63.5    |           |            |            |            |            |           |
| 56                                                 | +/-75.8        | +/-72      | +/-68.6    | +/-65.3    |            |           |            |            |            |            |           |
| 58                                                 | +/-74.2        | +/-70.3    | +/-66.8    |            |            |           |            |            |            |            |           |
| 60                                                 | +/-72.7        | +/-68.7    | +/-65      |            |            |           |            |            |            |            |           |
| 62                                                 | +/-71.2        | +/-67.1    |            |            |            |           |            |            |            |            |           |
| 64                                                 | +/-69.7        | +/-65.5    |            |            |            |           |            |            |            |            |           |
| 66                                                 | +/-68.3        |            |            |            |            |           |            |            |            |            |           |
| 67-7/8                                             | +/-67          |            |            |            |            |           |            |            |            |            |           |

- NOTES:
- 1) BUCK DIMENSIONS SHOWN. FOR FLANGED WINDOWS, SUBTRACT 1" FROM THE TIP-TO-TIP DIMENSION TO DETERMINE THE BUCK DIMENSION.
  - 2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.
  - 3) FOR ARCHITECTURAL WINDOWS, FIND THE SMALLEST WINDOW SIZE IN THE TABLE ABOVE WHICH THE OVERALL DIMENSIONS COMPLETELY FIT WITHIN.
  - 4) THIS SHEET APPLIES ONLY TO FLANGE AND EQUAL-LEG WINDOWS. DO NOT USE WITH FIN-FRAMED WINDOWS.

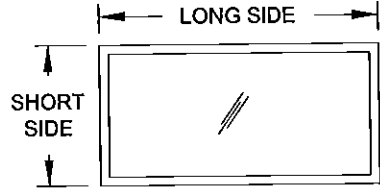
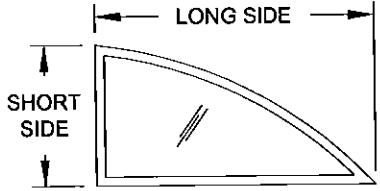
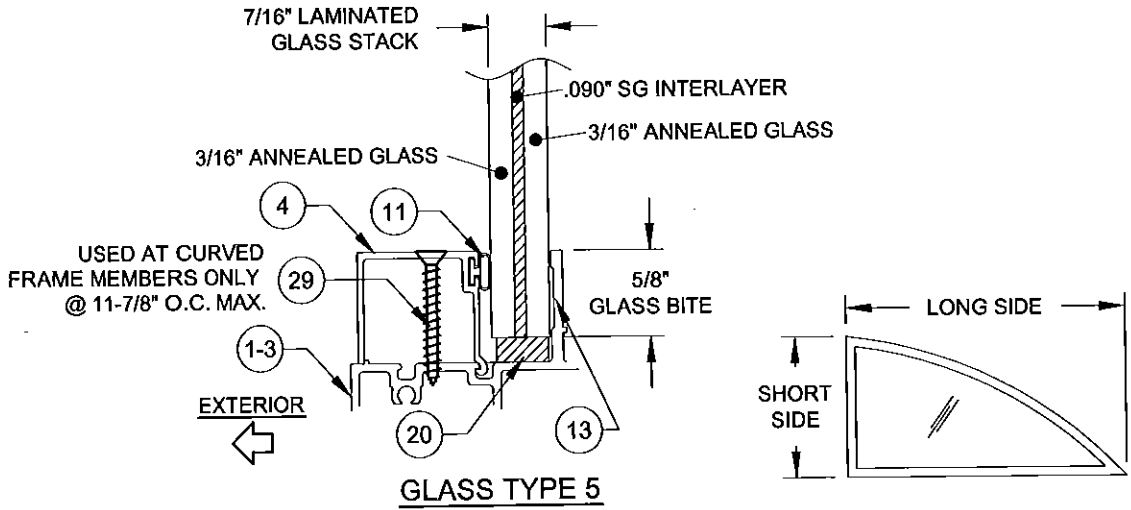
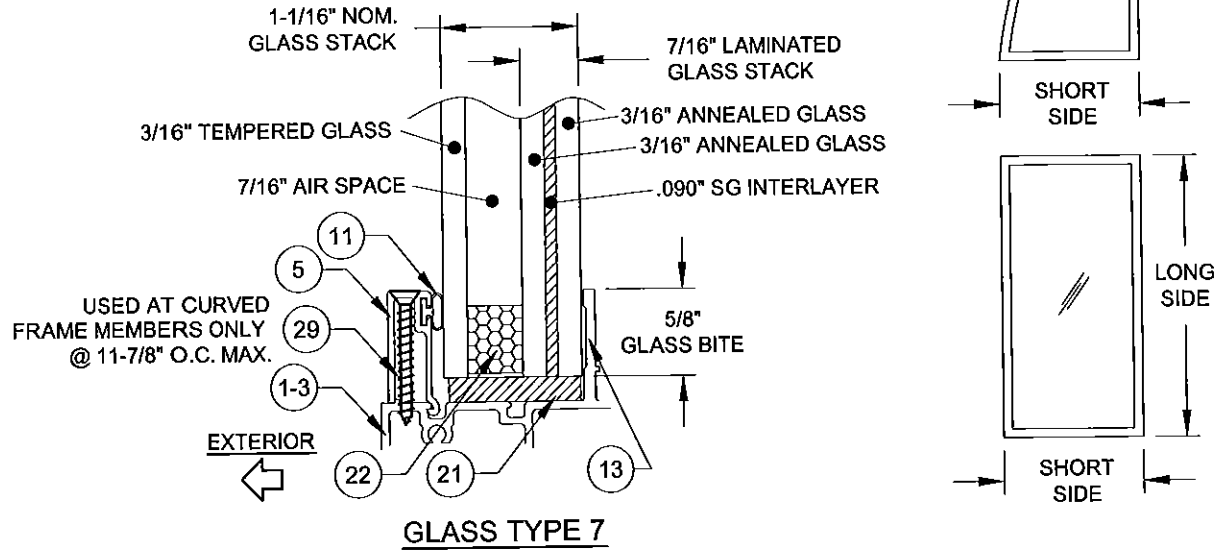


TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN.

TABLE 6:

| Window Design Pressure (+/-, psf) for Glass Type 7 |                |            |            |            |            |            |            |            |            |            |            |
|----------------------------------------------------|----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|                                                    | Long Side (in) |            |            |            |            |            |            |            |            |            |            |
|                                                    | 67-7/8         | 72         | 76         | 80         | 84         | 88         | 92         | 96         | 100        | 104        | 109-1/2    |
| 30                                                 | +90/-130       | +90/-130   | +90/-130   | +90/-126   | +90/-122.6 | +90/-119.8 | +90/-118.1 | +90/-117   | +90/-115.8 | +90/-112.7 | +90/-109.9 |
| 32                                                 | +90/-130       | +90/-125.1 | +90/-118.9 | +90/-114.8 | +90/-111.5 | +90/-108.1 | +90/-104.3 | +90/-102.4 | +90/-102   | +90/-101.4 | +90/-99.7  |
| 34                                                 | +90/-123.1     | +90/-116.4 | +90/-111.7 | +90/-107.5 | +90/-103.8 | +90/-99.7  | +90/-95.3  | +90/-92.1  | +90/-90.5  | +/-90      | +/-89.6    |
| 36                                                 | +90/-116       | +90/-109.8 | +90/-104.8 | +90/-100.5 | +90/-96.6  | +90/-93.3  | +/-90      | +/-87.3    | +/-84.9    | +/-82.3    | +/-81.2    |
| 38                                                 | +90/-111.2     | +90/-104.2 | +90/-97.9  | +90/-94    | +90/-91.1  | +/-88.2    | +/-84.9    | +/-81.9    | +/-79.4    | +/-76.4    | +/-74.3    |
| 40                                                 | +90/-106.9     | +90/-99.6  | +90/-93.4  | +90/-90.1  | +/-87.2    | +/-84      | +/-80.5    | +/-76.7    | +/-73.5    | +/-70.9    | +/-69      |
| 42                                                 | +90/-103.2     | +90/-95.7  | +90/-91.2  | +/-87.4    | +/-84      | +/-80.6    | +/-77      | +/-73.1    | +/-69.6    | +/-66.9    | +/-65.2    |
| 44                                                 | +90/-99.7      | +90/-93.1  | +/-89.1    | +/-85.2    | +/-81.4    | +/-77.8    | +/-74.1    | +/-70.3    | +/-67.5    | +/-63.9    |            |
| 46                                                 | +90/-96.5      | +90/-91.3  | +/-87.2    | +/-83.2    | +/-79.2    | +/-75.4    | +/-71.7    | +/-68.1    | +/-65.1    |            |            |
| 48                                                 | +90/-93.5      | +/-89.6    | +/-85.4    | +/-81.2    | +/-77.2    | +/-73.3    | +/-69.5    | +/-65.8    |            |            |            |
| 50                                                 | +90/-91.4      | +/-87.6    | +/-83.7    | +/-79.4    | +/-75.3    | +/-71.3    | +/-67.5    |            |            |            |            |
| 52                                                 | +/-89.4        | +/-85.5    | +/-81.8    | +/-77.7    | +/-73.5    | +/-69.5    |            |            |            |            |            |
| 54                                                 | +/-87.5        | +/-83.4    | +/-79.6    | +/-76      | +/-71.8    |            |            |            |            |            |            |
| 56                                                 | +/-85.6        | +/-81.4    | +/-77.5    | +/-73.8    |            |            |            |            |            |            |            |
| 58                                                 | +/-83.8        | +/-79.4    | +/-75.4    |            |            |            |            |            |            |            |            |
| 60                                                 | +/-82.1        | +/-77.6    | +/-73.5    |            |            |            |            |            |            |            |            |
| 62                                                 | +/-80.4        | +/-75.8    |            |            |            |            |            |            |            |            |            |
| 64                                                 | +/-78.8        | +/-74      |            |            |            |            |            |            |            |            |            |
| 66                                                 | +/-77.2        |            |            |            |            |            |            |            |            |            |            |
| 67-7/8                                             | +/-74.9        |            |            |            |            |            |            |            |            |            |            |

- NOTES:
- 1) BUCK DIMENSIONS SHOWN. FOR FLANGED WINDOWS, SUBTRACT 1" FROM THE TIP-TO-TIP DIMENSION TO DETERMINE THE BUCK DIMENSION.
  - 2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.
  - 3) FOR ARCHITECTURAL WINDOWS, FIND THE SMALLEST WINDOW SIZE IN THE TABLE ABOVE WHICH THE OVERALL DIMENSIONS COMPLETELY FIT WITHIN.
  - 4) THIS SHEET APPLIES ONLY TO FLANGE AND EQUAL-LEG WINDOWS. DO NOT USE WITH FIN-FRAMED WINDOWS.



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0528.26  
Expiration Date Feb 11, 2019  
By *Manuel Perez*  
Miami Dade Product Control

NO CHANGE THIS SHEET  
DATE: 07/02/15

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274  
(941)-480-1600

CERT. OF AUTH. #29296

FIXED WINDOW INSTALLATION GUIDELINES

DESIGN PRESSURE TABLES 3

DATE 4/12/13  
BY J ROSOWSKI

MD-720-820.1  
4 OF 10  
PW-720  
PW-820  
NTS  
Scale

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
7/2/15  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
P.E.# 58705



TABLE 7:

|                 |        | Window Design Pressure (+/-, psf) for Glass Types 6 & 8 |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|-----------------|--------|---------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                 |        | Long Side (in)                                          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|                 |        | 67-7/8                                                  | 72       | 76       | 80       | 84       | 88       | 92       | 96       | 100      | 104      | 109-1/2  | 112      | 116      | 120      | 124      | 128      | 132      | 136      | 140      | 144      |
| Short Side (in) | 30     | +90/-130                                                | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 |
|                 | 32     | +90/-130                                                | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 |
|                 | 34     | +90/-130                                                | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 |
|                 | 36     | +90/-130                                                | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 |
|                 | 38     | +90/-130                                                | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 |
|                 | 40     | +90/-130                                                | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 |
|                 | 42     | +90/-130                                                | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 |
|                 | 44     | +90/-130                                                | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 |
|                 | 46     | +90/-130                                                | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 |
|                 | 48     | +90/-130                                                | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 |
|                 | 50     | +90/-130                                                | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 |
|                 | 52     | +90/-130                                                | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 |
|                 | 54     | +90/-130                                                | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 |
|                 | 56     | +90/-130                                                | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 |
|                 | 58     | +90/-130                                                | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 |
|                 | 60     | +90/-130                                                | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 |
|                 | 62     | +90/-130                                                | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 |
|                 | 64     | +90/-130                                                | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 |
|                 | 66     | +90/-130                                                | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 |
|                 | 67-7/8 | +90/-130                                                | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 | +90/-130 |

- NOTES:
- 1) BUCK DIMENSIONS SHOWN. FOR FLANGED WINDOWS, SUBTRACT 1" FROM THE TIP-TO-TIP DIMENSION TO DETERMINE THE BUCK DIMENSION.
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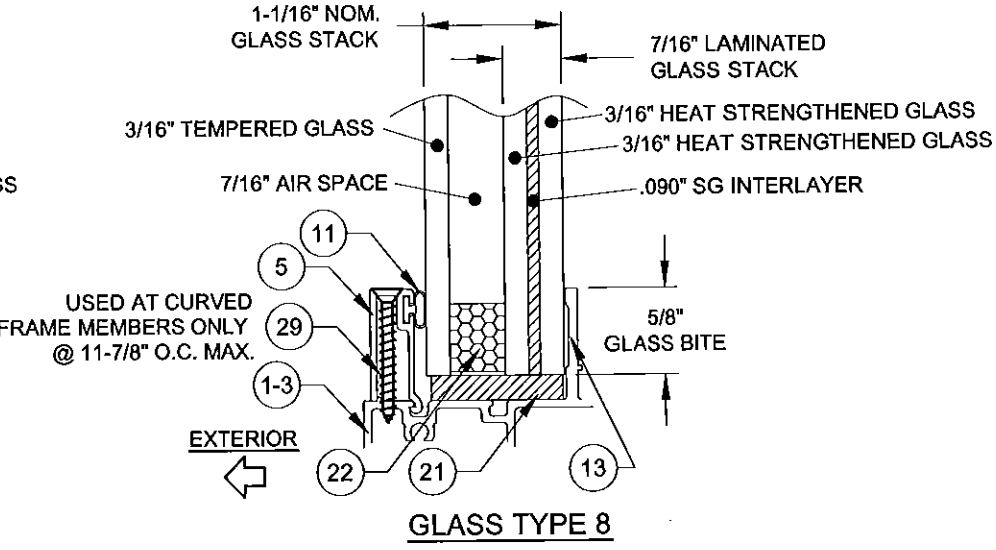
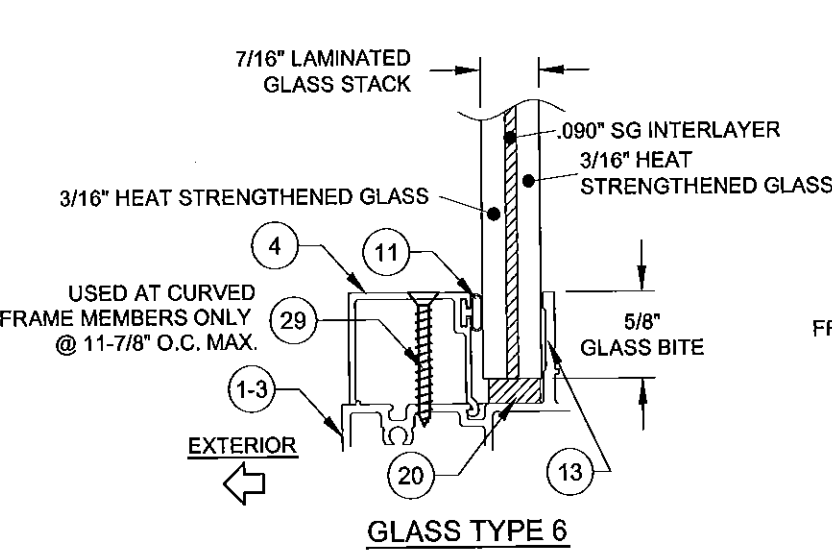
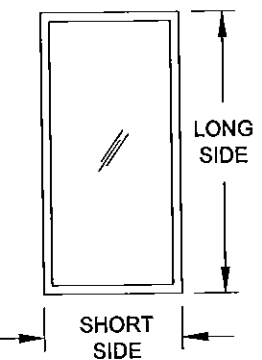
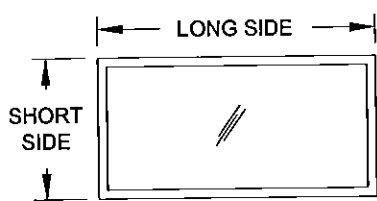
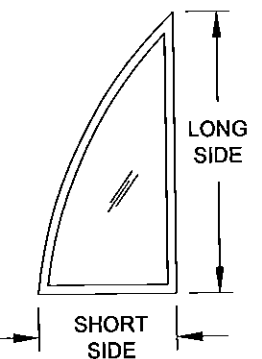
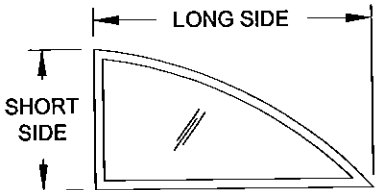


TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN.



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0528.26  
Expiration Date Feb 19, 2019  
By *Manuel Perez*  
Miami Dade Product Control

Rev A NO CHANGE THIS SHEET  
Rev B DATE: 07/02/15  
Rev C

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274  
(941)-480-1600  
CERT. OF AUTH. #29296

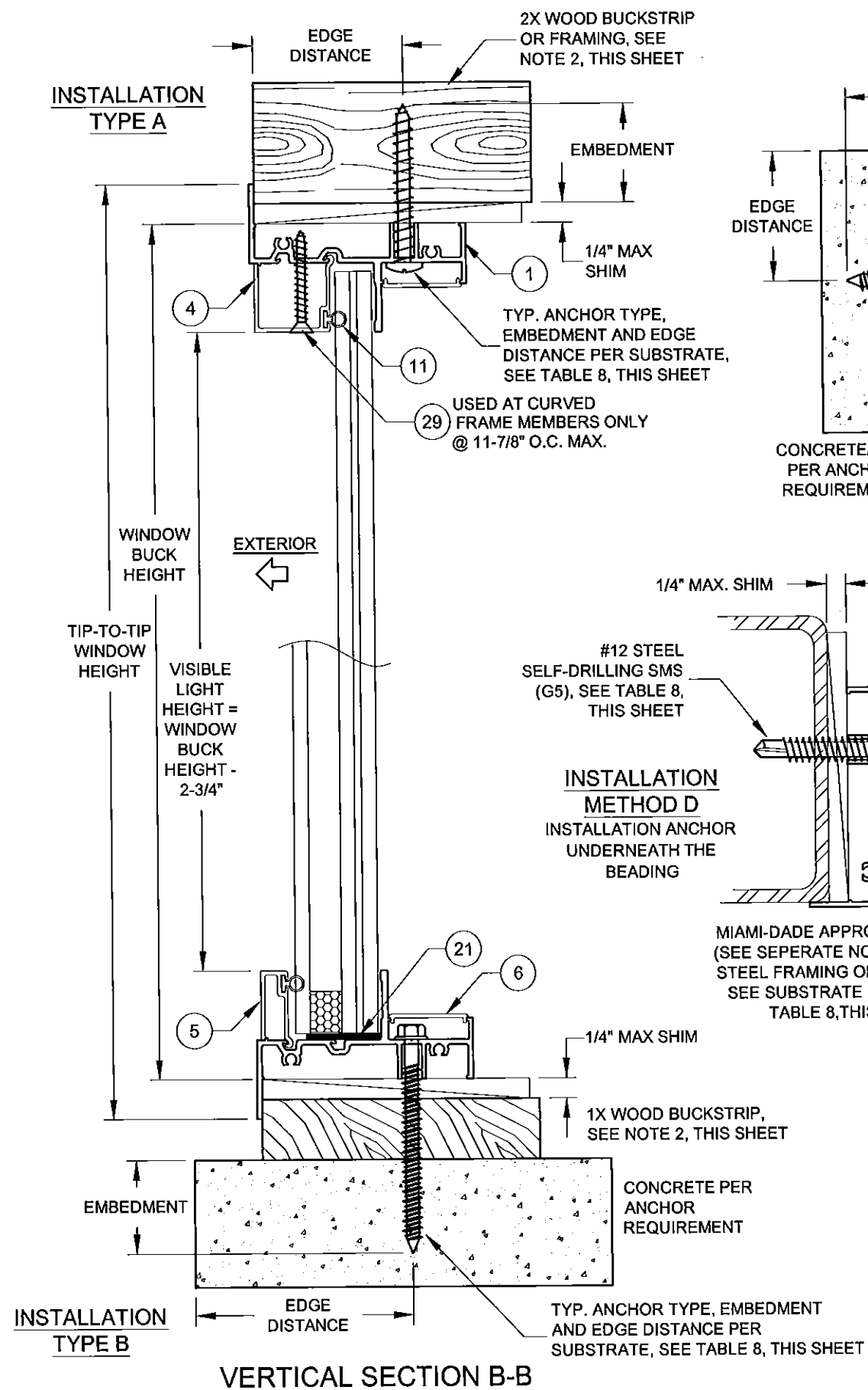
4/12/13  
J ROSOWSKI  
DESIGN PRESSURE TABLES 4  
PW-720  
PW-820

5 OF 10  
NTS  
Scale

Rev A  
MD-720-820.1

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
7/2/15  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
P.E.# 58705





**HORIZONTAL SECTION A-A**

**TABLE 8:**

| Anchor                      | Substrate                    | Min. Edge Distance | Min. Embedment   | Max O.C. Spacing |
|-----------------------------|------------------------------|--------------------|------------------|------------------|
| #12 or #14 410 SS Screw     | P.T. Southern Pine (SG=0.55) | 9/16"              | 1-3/8"           | 12"              |
|                             | Aluminum, 6063-T5 min.       | 3/8"               | 0.063" *         | 12"              |
|                             | A36 Steel                    | 3/8"               | 0.063" *         | 12"              |
|                             | Steel Stud, Gr. 33 min.      | 3/8"               | 0.045" (18 Ga) * | 12"              |
| #12 or #14 Steel Screw (G5) | P.T. Southern Pine (SG=0.55) | 9/16"              | 1-3/8"           | 12"              |
|                             | Aluminum, 6063-T5 min.       | 3/8"               | 0.063" *         | 12"              |
|                             | A36 Steel                    | 3/8"               | 0.063" *         | 12"              |
|                             | Steel Stud, Gr. 33 min.      | 3/8"               | 0.045" (18 Ga) * | 12"              |
| 1/4" 410 SS CreteFlex       | UngROUTED CMU, (ASTM C-90)   | 2-1/2"             | 1-1/4"           | 12"              |
|                             | Concrete (min. 3.35 ksi)     | 1"                 | 1-3/4"           | 12"              |
| 1/4" Steel Ultracon         | Concrete (min. 2.85 ksi)     | 1"                 | 1-3/4"           | 12"              |
|                             | Concrete (min. 2.85 ksi)     | 2-1/2"             | 1-3/8"           | 12"              |
|                             | UngROUTED CMU, (ASTM C-90)   | 2-1/2"             | 1-1/4"           | 12"              |
|                             | Grouted CMU, (ASTM C-90)     | 2-1/2"             | 1-3/4"           | 12"              |
| 5/16" Steel Ultracon        | Concrete (min. 3.5 ksi)      | 1-1/4"             | 1-3/4"           | 12"              |
|                             | Grouted CMU, (ASTM C-90)     | 2-1/2"             | 1-3/4"           | 12"              |

\* MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.

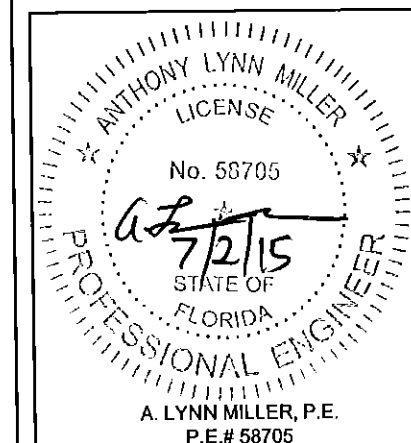
**INSTALLATION NOTES:**

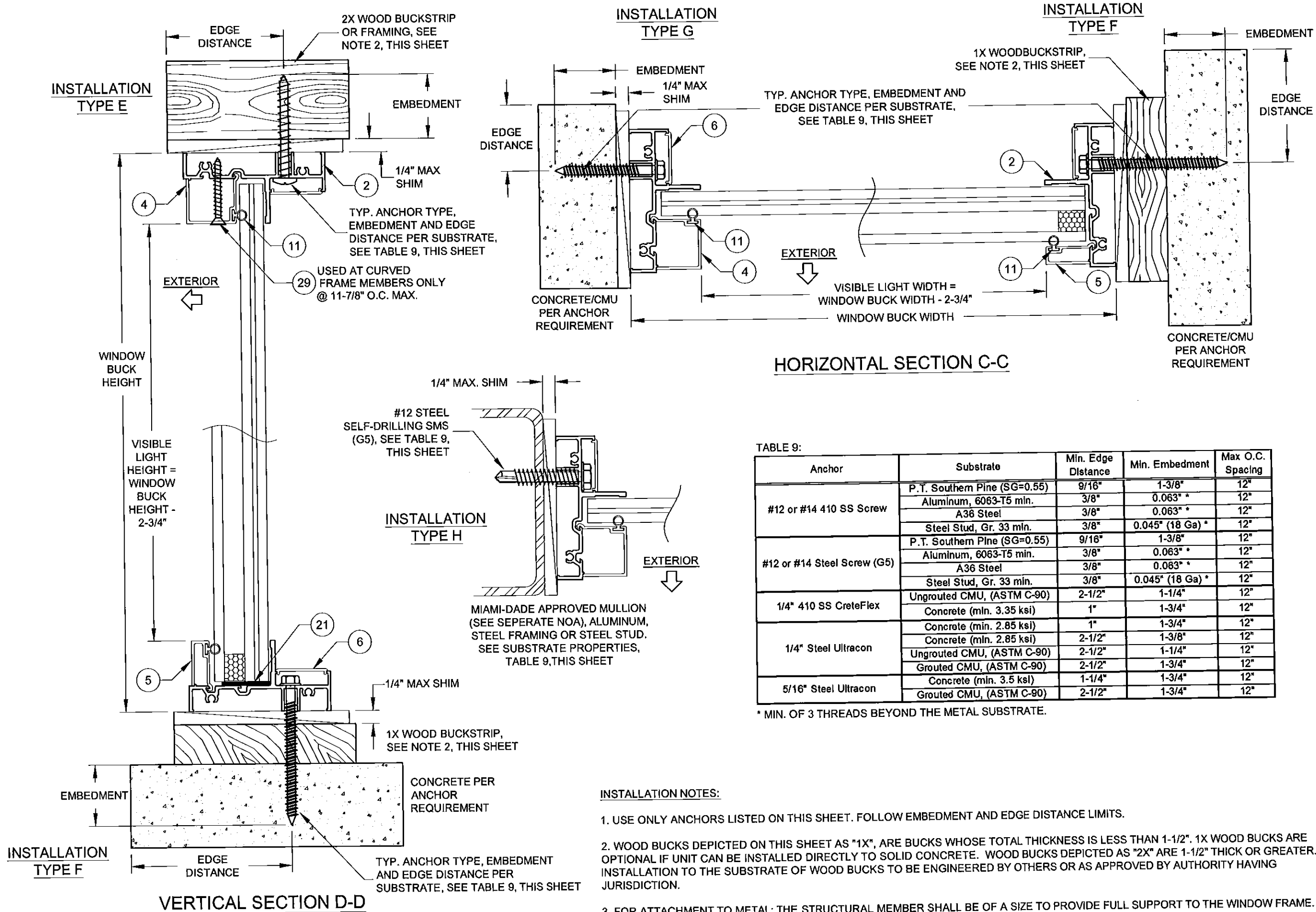
- USE ONLY ANCHORS LISTED ON THIS SHEET. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS.
- WOOD BUCKS DEPICTED ON THIS SHEET AS "1X", ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1-1/2". 1X WOOD BUCKS ARE OPTIONAL IF UNIT CAN BE INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS "2X" ARE 1-1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY AUTHORITY HAVING JURISDICTION.
- FOR ATTACHMENT TO METAL: THE STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE WINDOW FRAME.
- IF APPLICABLE, LOWER DESIGN PRESSURE FROM EITHER WINDOW OR MULLION NOA APPLIES TO WHOLE SYSTEM.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0528.26  
Expiration Date Feb 19, 2019  
By *Manuel Pera*  
Miami Dade Product Control

NO CHANGE THIS SHEET  
DATE: 07/02/15

|                                                                                                      |       |                                      |         |                     |     |              |
|------------------------------------------------------------------------------------------------------|-------|--------------------------------------|---------|---------------------|-----|--------------|
| 1070 TECHNOLOGY DRIVE<br>N. VENICE, FL 34275<br>P.O. BOX 1529<br>NOKOMIS, FL 34274<br>(941) 480-1600 | Date  | 4/12/13                              | By      | J ROSOWSKI          | Rev | A            |
|                                                                                                      |       |                                      |         |                     |     |              |
|                                                                                                      |       |                                      |         |                     |     |              |
|                                                                                                      |       |                                      |         |                     |     |              |
| CERT. OF AUTH. #29296                                                                                | Title | FIXED WINDOW INSTALLATION GUIDELINES | Sheet   | FLANGE INSTALLATION | No. | MD-720-820.1 |
|                                                                                                      |       |                                      |         |                     |     |              |
|                                                                                                      |       |                                      |         |                     |     |              |
|                                                                                                      |       |                                      |         |                     |     |              |
| PW-720                                                                                               | Scale | NTS                                  | 6 OF 10 | DWG                 | No. | MD-720-820.1 |
|                                                                                                      |       |                                      |         |                     |     |              |
|                                                                                                      |       |                                      |         |                     |     |              |
|                                                                                                      |       |                                      |         |                     |     |              |



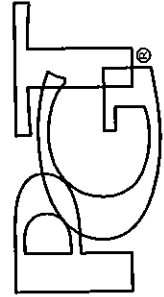


#### INSTALLATION NOTES:

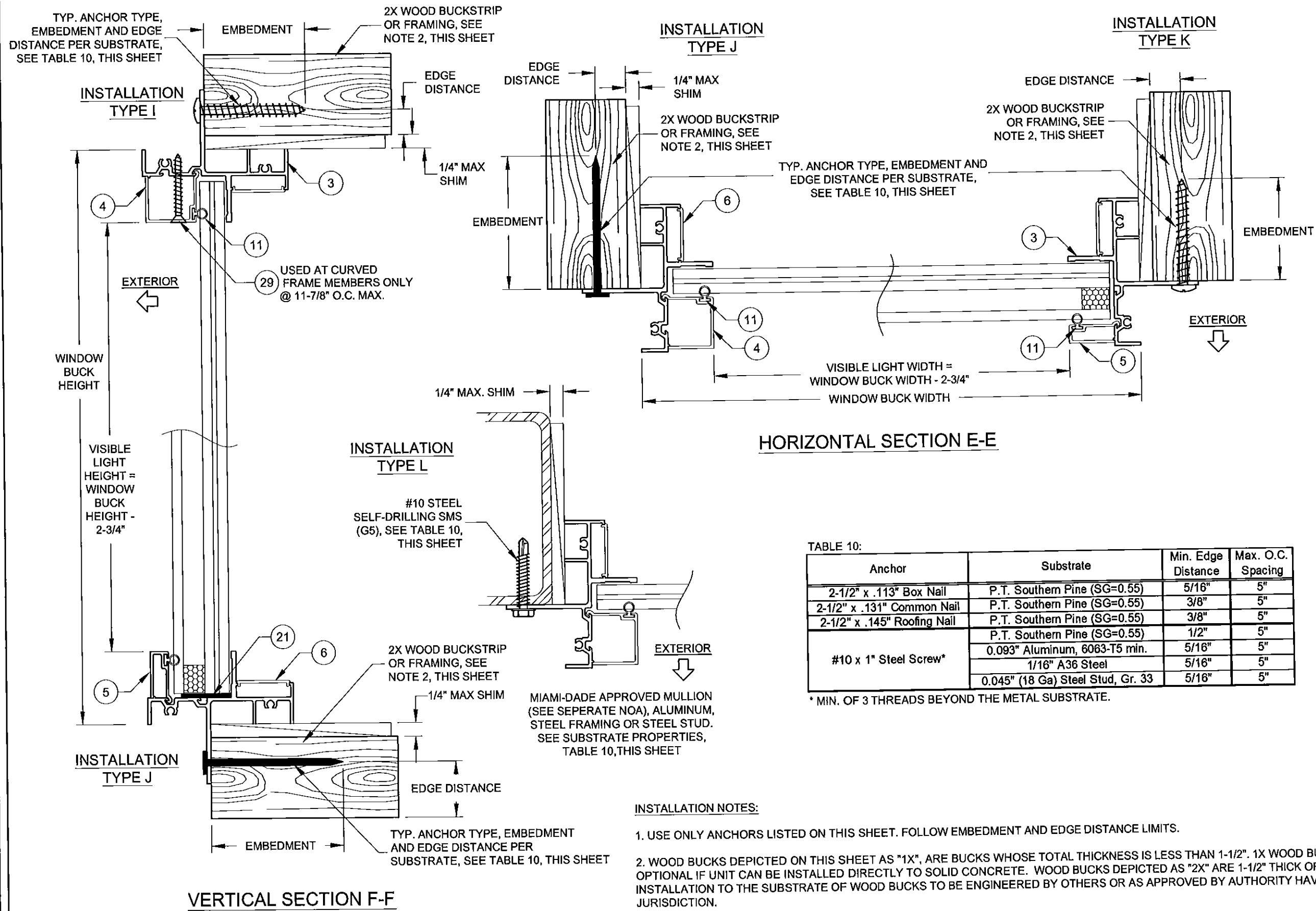
1. USE ONLY ANCHORS LISTED ON THIS SHEET. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS.
2. WOOD BUCKS DEPICTED ON THIS SHEET AS "1X", ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1-1/2". 1X WOOD BUCKS ARE OPTIONAL IF UNIT CAN BE INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS "2X" ARE 1-1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY AUTHORITY HAVING JURISDICTION.
3. FOR ATTACHMENT TO METAL: THE STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE WINDOW FRAME.
4. IF APPLICABLE, LOWER DESIGN PRESSURE FROM EITHER WINDOW OR MULLION NOA APPLIES TO WHOLE SYSTEM.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0528.26  
Expiration Date Feb 19, 2019  
By *Manuel Perez*  
Miami Dade Product Control

NO CHANGE THIS SHEET  
DATE: 07/02/15

|                                                                                                                |                                      |  |         |            |              |   |
|----------------------------------------------------------------------------------------------------------------|--------------------------------------|--|---------|------------|--------------|---|
| 1070 TECHNOLOGY DRIVE<br>N. VENICE, FL 34275<br>P.O. BOX 1529<br>NOKOMIS, FL 34274<br>(941) 480-1600           | FIXED WINDOW INSTALLATION GUIDELINES |  | 4/12/13 | J ROSOWSKI | MD-720-820.1 | A |
|                                                                                                                | EQUAL-LEG INSTALLATION               |  | Date    |            |              |   |
|                                                                                                                | 7 OF 10                              |  | By      |            |              |   |
|                                                                                                                | NTS                                  |  | Drawn   |            |              |   |
| <br>CERT. OF AUTH. #29296 | PW-720                               |  | Scale   | Sheet      | 7 OF 10      | A |
|                                                                                                                | PW-820                               |  | NTS     |            |              |   |
|                                                                                                                |                                      |  |         |            |              |   |
|                                                                                                                |                                      |  |         |            |              |   |

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
7/2/15  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
P.E.# 58705



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0528.26  
Expiration Date Feb 19, 2019  
By *Mmanuel*  
Miami Dade Product Control

Rev C Rev B Rev A  
NO CHANGE THIS SHEET  
DATE: 07/02/15

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274  
(941)-480-1600

CERT. OF AUTH. #29296

FIXED WINDOW INSTALLATION GUIDELINES

FIN INSTALLATION

J ROSOWSKI

4/12/13

8 OF 10

MD-720-820.1

A

NTS

PW-720

PW-820

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
5/2/15  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
P.E.# 58705

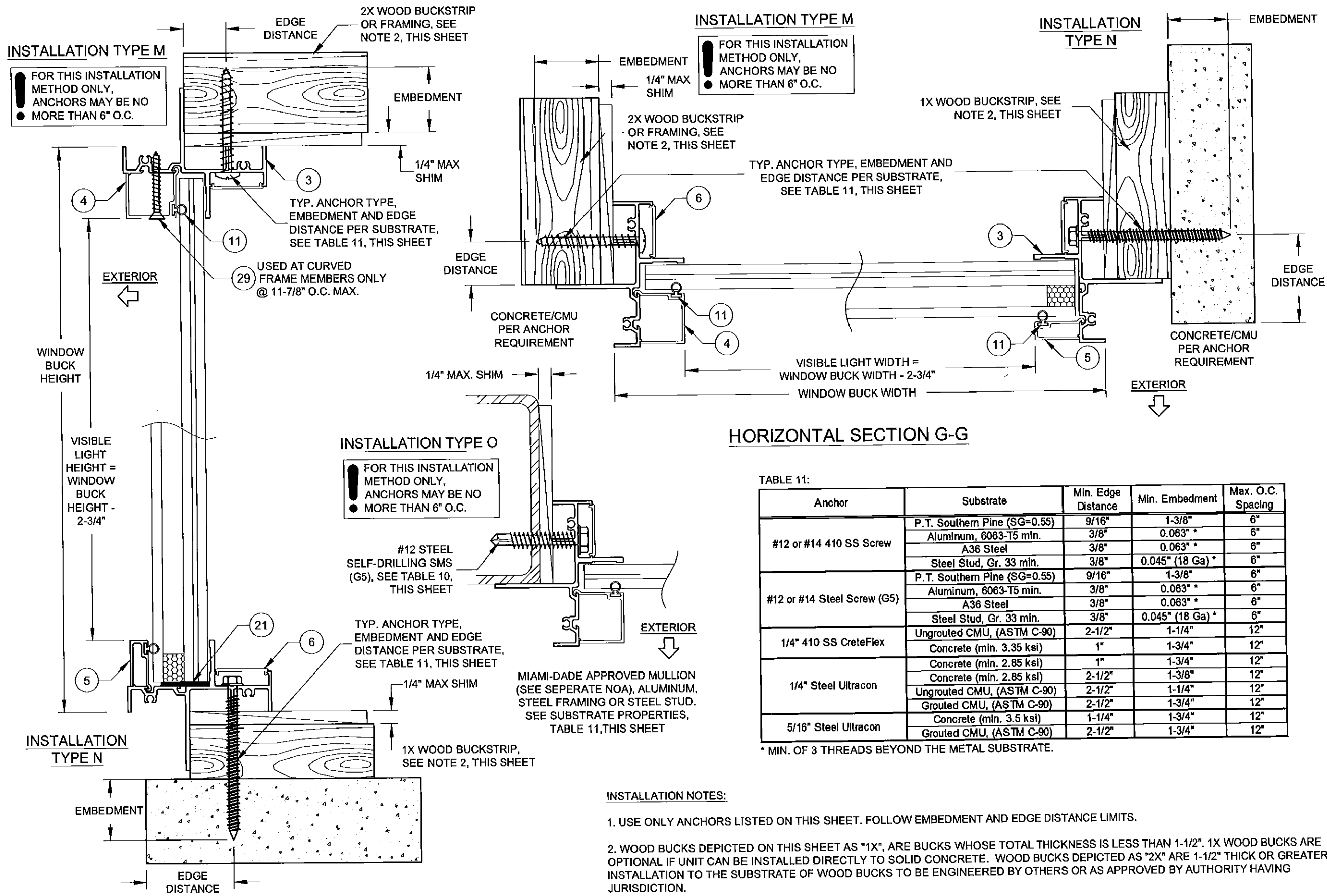


TABLE 11:

| Anchor                      | Substrate                    | Min. Edge Distance | Min. Embedment   | Max. O.C. Spacing |
|-----------------------------|------------------------------|--------------------|------------------|-------------------|
| #12 or #14 410 SS Screw     | P.T. Southern Pine (SG=0.55) | 9/16"              | 1-3/8"           | 6"                |
|                             | Aluminum, 6063-T5 min.       | 3/8"               | 0.063" *         | 6"                |
|                             | A36 Steel                    | 3/8"               | 0.063" *         | 6"                |
|                             | Steel Stud, Gr. 33 min.      | 3/8"               | 0.045" (18 Ga) * | 6"                |
| #12 or #14 Steel Screw (G5) | P.T. Southern Pine (SG=0.55) | 9/16"              | 1-3/8"           | 6"                |
|                             | Aluminum, 6063-T5 min.       | 3/8"               | 0.063" *         | 6"                |
|                             | A36 Steel                    | 3/8"               | 0.063" *         | 6"                |
|                             | Steel Stud, Gr. 33 min.      | 3/8"               | 0.045" (18 Ga) * | 6"                |
| 1/4" 410 SS CreteFlex       | UngROUTED CMU, (ASTM C-90)   | 2-1/2"             | 1-1/4"           | 12"               |
|                             | Concrete (min. 3.35 ksi)     | 1"                 | 1-3/4"           | 12"               |
| 1/4" Steel Ultracon         | Concrete (min. 2.85 ksi)     | 1"                 | 1-3/4"           | 12"               |
|                             | Concrete (min. 2.85 ksi)     | 2-1/2"             | 1-3/8"           | 12"               |
|                             | UngROUTED CMU, (ASTM C-90)   | 2-1/2"             | 1-1/4"           | 12"               |
|                             | Grouted CMU, (ASTM C-90)     | 2-1/2"             | 1-3/4"           | 12"               |
| 5/16" Steel Ultracon        | Concrete (min. 3.5 ksi)      | 1-1/4"             | 1-3/4"           | 12"               |
|                             | Grouted CMU, (ASTM C-90)     | 2-1/2"             | 1-3/4"           | 12"               |

\* MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.

INSTALLATION NOTES:

1. USE ONLY ANCHORS LISTED ON THIS SHEET. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS.
2. WOOD BUCKS DEPICTED ON THIS SHEET AS "1X", ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1-1/2". 1X WOOD BUCKS ARE OPTIONAL IF UNIT CAN BE INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS "2X" ARE 1-1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY AUTHORITY HAVING JURISDICTION.
3. FOR ATTACHMENT TO METAL: THE STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE WINDOW FRAME.
4. IF APPLICABLE, LOWER DESIGN PRESSURE FROM EITHER WINDOW OR MULLION NOA APPLIES TO WHOLE SYSTEM.

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 15-0528.26  
 Expiration Date Feb 19, 2019  
 By *Manuel Perez*  
 Miami Dade Product Control

NO CHANGE THIS SHEET  
 DATE: 07/02/15

1070 TECHNOLOGY DRIVE  
 N. VENICE, FL 34275  
 P.O. BOX 1529  
 NOKOMIS, FL 34274  
 (941)-480-1600

CERT. OF AUTH. #29296

FIXED WINDOW INSTALLATION GUIDELINES 4/12/13

FIN INSTALLATION

J ROSOWSKI

MD-720-820.1

9 OF 10

NTS

PW-720

PW-820

ANTHONY LYNN MILLER  
 LICENSE  
 No. 58705  
 7/2/15  
 STATE OF  
 FLORIDA  
 PROFESSIONAL ENGINEER  
 A. LYNN MILLER, P.E.  
 P.E.# 58705

**90° CORNER FRAME ASSEMBLY**

ALL CORNERS TO USE GASKET AND/OR SEALANT

10

30

EQUAL-LEG FRAME

FLANGE FRAME

**ANGLED/CURVED FRAME ASSEMBLY**

MITERED FRAME WITH INTERIOR AND EXTERIOR FRAME WELDS (SHOWN) OR CORNER KEYS AT SCREW BOSSES. SEALANT AT ALL CORNERS

EQUAL-LEG FRAME

FLANGE FRAME

FOR FIN FRAMES

90° CORNER  
FRAME ASSEMBLY

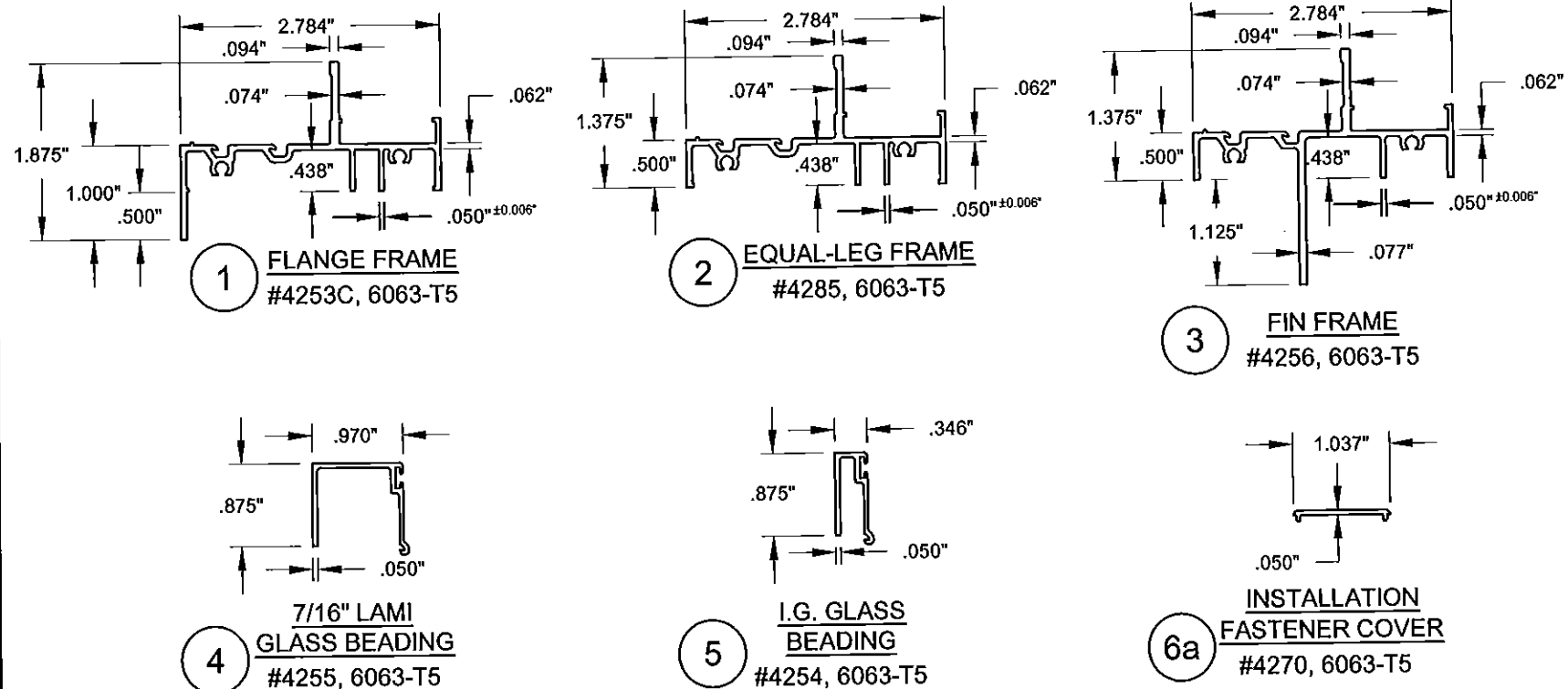
10  
ALL CORNERS TO  
USE GASKET  
AND/OR SEALANT

30

ANGLED/CURVED  
FRAME ASSEMBLY

MITERED FRAME WITH INTERIOR  
AND EXTERIOR FRAME WELDS  
(SHOWN) OR CORNER KEYS AT  
SCREW BOSSES. SEALANT AT ALL CORNERS

| Item # | PGT Part # | Description                              | Material                |
|--------|------------|------------------------------------------|-------------------------|
| 1      | 4253C      | Flanged Frame                            | Alum. 6063-T5           |
| 2      | 4285       | Equal-leg Frame                          | Alum. 6063-T5           |
| 3      | 4256       | Integral Fin Frame                       | Alum. 6063-T5           |
| 4      | 4255       | 7/16" Lami. Glass Beading                | Alum. 6063-T5           |
| 5      | 4254       | I.G. Glass Beading                       | Alum. 6063-T5           |
| 6a     | 4270       | Installation Fastener Cover              | Alum. 6063-T5           |
| 6b     | 4224       | Installation Fastener Cover              | Rigid PVC               |
| 10     | 70589C     | Gasket (at 90° corner joints)            | Polyethylene            |
| 11     | TP247/8    | Vinyl Bulb Weatherstrip                  | Flex PVC, Duro. 85 +/-1 |
| 13     |            | Dow 899, GE 7700 Silicone or Equiv.      |                         |
| 20     | 71652K     | Setting Block, Mono. 3/16" x 7/16" x 4"  | Neoprene, Duro. 85 +/-1 |
| 21     | 71704AK    | Setting Block, I.G. 3/16" x 1-3/32" x 4" | Neoprene, Duro. 85 +/-1 |
| 22     | DURAK716   | 7/16" DuraSeal Spacer                    |                         |
| 29     |            | #6 x 1-1/4" FH SMS                       | Stainless Steel         |
| 30     | 781PQX     | #8 x 1" Quad PH SMS                      | Stainless Steel         |



|       |                      |
|-------|----------------------|
| Rev A | NO CHANGE THIS SHEET |
| Rev B | DATE: 07/02/15       |
| Rev C |                      |



CERT. OF AUTH. #29296

|                  |       |          |              |            |         |
|------------------|-------|----------|--------------|------------|---------|
| Series           | Scale | Sheet    | DWG No.      | By         | Date    |
| PW-720<br>PW-820 | NTS   | 10 OF 10 | MD-720-820.1 | J ROSOWSKI | 4/12/13 |

ANTHONY LYNN MILLER  
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No. 58705  
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PROFESSIONAL ENGINEER

AZ  
7/2/15

A. LYNN MILLER, P.E.  
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