MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

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

# NOTICE OF ACCEPTANCE (NOA)

**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/ 620" Aluminum Fixed Window – N.I.**

**APPROVAL DOCUMENT:** Drawing No. **MD-620.1**, Series titled "Fixed Window Installation Guidelines", sheets 01 through 09 of 09, dated 07/14/03 with the latest revision dated 07/01/13, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P. E., bearing the Miami-Dade County Product Control Section Renewal stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: None.**

**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.

**REVISION** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises and renews NOA No. 11-1114.17** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**

MIAMI-DADE COUNTY APPROVED

J. Gascon 7/15/13

**PGT Industries**

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **MD–620.1**, Series titled "Fixed Window Installation Guidelines", sheets 01 through 09 of 09, dated 07/14/03 with the latest revision dated 07/01/13, 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) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202–94

   along with marked–up drawings and installation diagram of 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.
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

   along with marked–up drawings and installation diagram of aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s **FTL–3834** and **FTL–3847**, dated 07/30 and 31/03, all signed and sealed by Joseph C. Chan, P. E.
   ***(Submitted under previous NOA No. 03–1105.02)***

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC–2010**, prepared by manufacture, dated 04/29/13, signed and sealed by Anthony L. Miller, P. E.
2. **Glazing complies with ASTM E1300–09**

**D. QUALITY ASSURANCE**

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

**Jaime D. Gascon, P. E.**
**Product Control Section Supervisor**
**NOA No. 13–0502.04**
**Expiration Date: February 19, 2019**
**Approval Date: July18, 2013**

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

### E. MATERIAL CERTIFICATIONS

1. 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–2010**, issued by manufacture, dated 04/29/13, signed and sealed by Anthony Lynn Miller, P. E.
2. Statement letter of no financial interest, issued by manufacture, dated 04/29/13, 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.
4. Proposal issued by Product Control, dated 07/26/12, signed by Jaime D. Gascon, P. E.
5. Laboratory compliance letter for Test Reports No.'s **FTL–3834** and **FTL–3847**, dated 07/30 and 31/03, all signed and sealed by Joseph C. Chan, P. E.
   ***(Submitted under previous NOA No. 03–1105.02)***

### G. OTHERS

1. Notice of Acceptance No. **11–1114.17**, issued to PGT Industries for their Series "PW–701 Aluminum Fixed Window – Non–Impact" approved on 02/16/12 and expiring on 02/19/14.

**Jaime D. Gascon, P. E.**
**Product Control Section Supervisor**
**NOA No. 13–0502.04**
**Expiration Date: February 19, 2019**
**Approval Date: July18, 2013**

## GENERAL NOTES: SERIES 620
## NON-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 REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.

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.

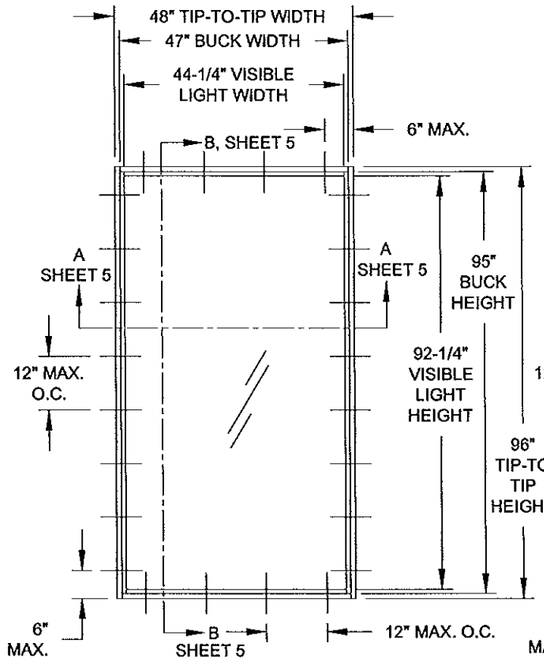
7) DESIGN PRESSURES:
A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300-09.
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300-09.

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.

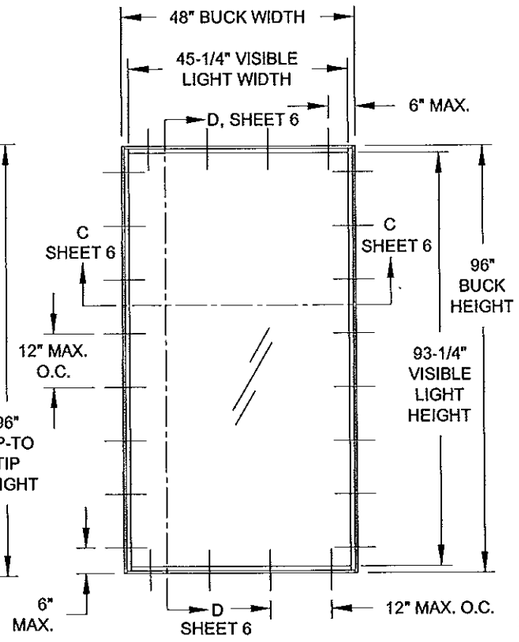
9) REFERENCES: TEST REPORTS FTL-3834, 3847 & 7212; ELCO ULTRACON NOA; ELCO CRETEFLEX NOA; ANSI/AF&PA NDS FOR WOOD CONSTRUCTION - (2005) AND ADM ALUMINUM DESIGN MANUAL - (2005).

10) THE 620 SERIES MAY ALSO BE REFERRED AS THE 701 SERIES.

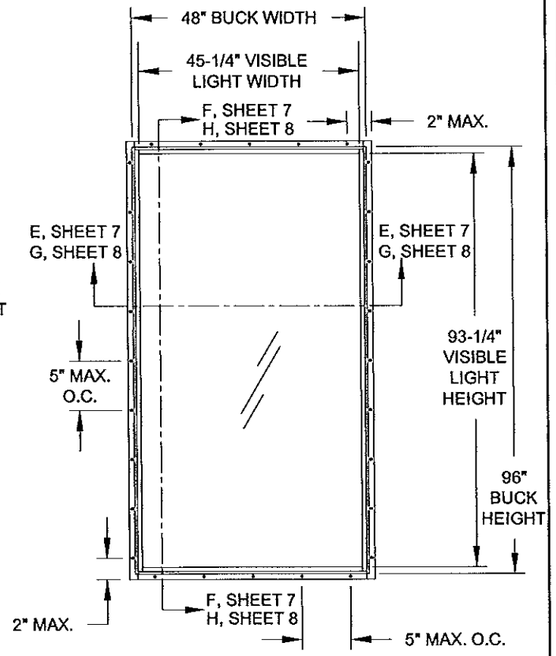
| DESIGN PRESSURE RATING | IMPACT RATING |
|---|---|
| VARIES, SEE SHEETS 2-4 | NOT RATED FOR IMPACT RESISTANCE |




TYP. FLANGED FRAME ELEVATION (TESTED UNIT)




TYP. EQUAL-LEG FRAME ELEVATION (TESTED UNIT)




TYP. FIN FRAME ELEVATION (TESTED UNIT)

GUIDE TO SHEETS:


| | |
|---|---|
| GENERAL NOTES | 1 |
| ELEVATIONS | 1 |
| GLAZING DETAILS | 2-4 |
| DESIGN PRESSURES | 2-4 |
| INSTALLATION, FLANGE | 5 |
| INSTALLATION, EQUAL-LEG | 6 |
| INSTALLATION, INT. FIN A | 7 |
| INSTALLATION, INT. FIN B | 8 |
| CORNER ASSEMBLY | 9 |
| EXTRUSION PROFILES | 9 |
| PARTS LIST | 9 |


FIGURE 1:

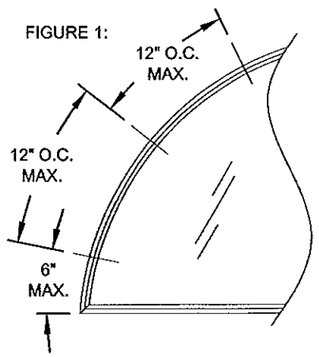
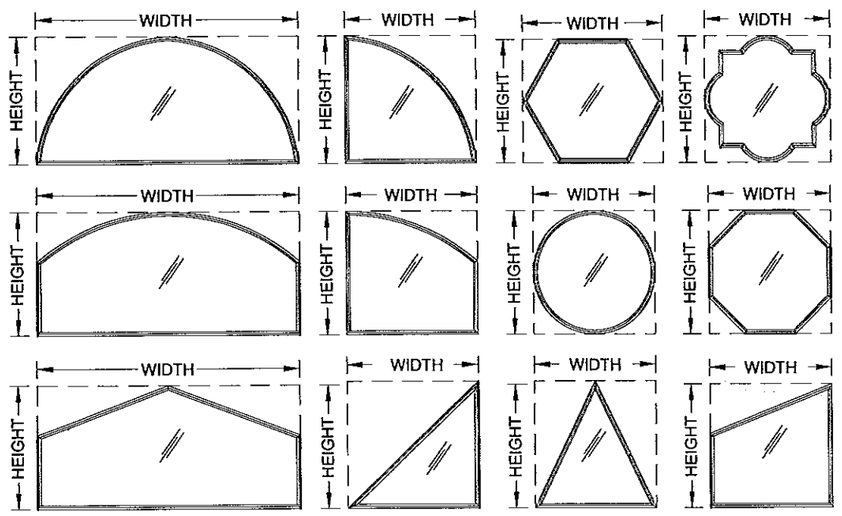



TABLE 1:

| Type # | Description | Sheet # |
|---|---|---|
| 1 | 3/16" Tempered | 2 |
| 2 | 1/4" Tempered | 3 |
| 3 | 13/16" IG (3/16" Tempered - 7/16" Air - 3/16" Tempered) | 4 |

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 RENEWED
as complying with the Florida Building Code
Acceptance No. 13-0502.04
Expiration Date 02/19/2019
By
Miami Dade Product Control

| Rev 3 | Rev 2 | Rev 1 |
|---|---|---|
| | | |


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


CERT. OF AUTH. #29296

| Title | Desc. | Series | Sheet | DWG No. | Rev. |
|---|---|---|---|---|---|
| FIXED WINDOW INSTALLATION GUIDELINES | GENERAL NOTES & ELEVATION | PW-620 | NTS | 1 OF 9 | MD-620.1 |

Date 4/12/13
Drawn By J ROSOWSKI

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
7/11/13

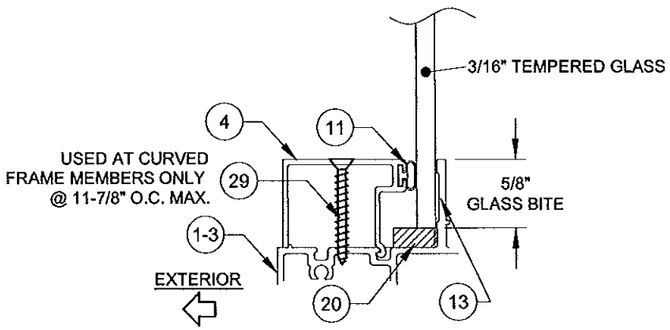
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 2:

**Window Design Pressure (+/-, psf) for Glass Type 1**

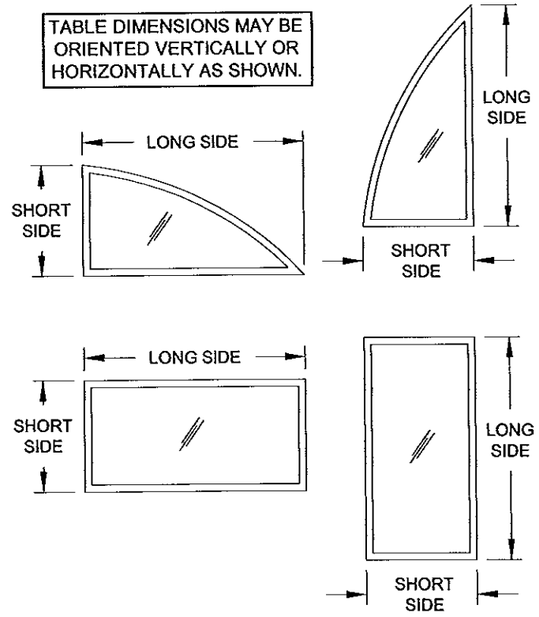
| Short Side (in) \ Long Side (in) | 67-7/8 | 72 | 76 | 80 | 84 | 88 | 92 | 96 | 100 | 104 | 109-1/2 | 112 | 116 | 120 | 124 | 128 | 132 | 136 | 140 | 144 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | +100/-150 | +100/-150 | +100/-149.5 | +100/-147.7 | +100/-146.1 | +100/-144.7 | +100/-141.9 | +100/-138.4 | +100/-135.4 | +100/-132.8 | +100/-129.6 | +100/-128.6 | +100/-126.8 | +100/-125.4 | +100/-124 | +100/-122.6 | +100/-121.5 | +100/-120.5 | +100/-119.6 | +100/-118.8 |
| 32 | +100/-147.2 | +100/-144.6 | +100/-142.5 | +100/-140.6 | +100/-137.5 | +100/-131.7 | +100/-127.1 | +100/-123.4 | +100/-120.3 | +100/-117.9 | +100/-114.8 | +100/-113.8 | +100/-112 | +100/-110.4 | +100/-108.9 | +100/-107.6 | +100/-106.5 | +100/-105.6 | +100/-104.5 | +100/-103.6 |
| 34 | +100/-141.3 | +100/-138.6 | +100/-136.4 | +100/-134.5 | +100/-128.1 | +100/-122.3 | +100/-117.7 | +100/-113.9 | +100/-110.1 | +100/-106.8 | +100/-103.4 | +100/-102.2 | +100/-100.4 | +/-99 | +/-97.4 | +/-96.2 | +/-95 | +/-93.9 | +/-93 | +/-92 |
| 36 | +100/-136.1 | +100/-133.3 | +100/-131 | +100/-129 | +100/-123.4 | +100/-117.3 | +100/-111.8 | +100/-106.4 | +100/-102.6 | +/-99.7 | +/-96 | +/-94.4 | +/-92.2 | +/-90.1 | +/-88 | +/-86.6 | +/-85.2 | +/-84 | +/-83 | +/-81.8 |
| 38 | +100/-131.6 | +100/-128.7 | +100/-126.3 | +100/-124.2 | +100/-121.7 | +100/-115.1 | +100/-107.8 | +100/-102.5 | +/-98.4 | +/-94.5 | +/-90 | +/-87.9 | +/-85.2 | +/-83 | +/-81.4 | +/-79.8 | +/-78.4 | +/-77.2 | +/-76.2 | +/-75 |
| 40 | +100/-127.6 | +100/-124.6 | +100/-122.1 | +100/-120 | +100/-118.1 | +100/-113.9 | +100/-106.8 | +100/-100.8 | +/-96.1 | +/-91.6 | +/-85.4 | +/-83.4 | +/-81.1 | +/-78.9 | +/-76.9 | +/-75 | +/-73.4 | +/-71.8 | +/-70.3 | +/-68.6 |
| 42 | +100/-124.1 | +100/-121 | +100/-118.4 | +100/-116.2 | +100/-114.3 | +100/-112.6 | +100/-106.2 | +100/-100.6 | +/-95.3 | +/-89.9 | +/-83.4 | +/-81.4 | +/-78.7 | +/-76.1 | +/-73.5 | +/-71.2 | +/-69 | +/-67 | +/-65.2 | +/-63.4 |
| 44 | +100/-121 | +100/-117.8 | +100/-115.2 | +100/-112.9 | +100/-110.9 | +100/-109.1 | +100/-106.8 | +100/-100.7 | +/-95.4 | +/-89.9 | +/-82.6 | +/-80.8 | +/-77.6 | +/-74.4 | +/-71.6 | +/-68.5 | +/-65.9 | +/-63.4 | +/-61.8 | +/-60.6 |
| 46 | +100/-118.4 | +100/-115 | +100/-112.2 | +100/-109.8 | +100/-107.8 | +100/-106 | +100/-104.3 | +100/-101.1 | +/-95.7 | +/-90.3 | +/-82.8 | +/-80.6 | +/-77.4 | +/-74 | +/-70.3 | +/-67.2 | +/-63.9 | +/-61.7 | +/-60.4 | +/-58.8 |
| 48 | +100/-116 | +100/-112.5 | +100/-109.6 | +100/-107.1 | +100/-105 | +100/-103.1 | +100/-101.5 | +/-100 | +/-96.3 | +/-90.8 | +/-83.2 | +/-81.1 | +/-77.5 | +/-74 | +/-70.6 | +/-66.6 | +/-63 | +/-61.4 | +/-59.6 | +/-57.8 |
| 50 | +100/-114 | +100/-110.3 | +100/-107.3 | +100/-104.7 | +100/-102.5 | +100/-100.6 | +/-98.9 | +/-97.4 | +/-96 | +/-91.4 | +/-83.8 | +/-81.6 | +/-78.2 | +/-74.6 | +/-70.9 | +/-67.3 | +/-63.2 | +/-61 | +/-59.4 | |
| 52 | +100/-112.2 | +100/-108.4 | +100/-105.2 | +100/-102.6 | +100/-100.3 | +/-98.3 | +/-96.5 | +/-94.9 | +/-93.6 | +/-92 | +/-84.6 | +/-82 | +/-78.6 | +/-75.3 | +/-71.6 | +/-67.8 | +/-64 | +/-61.4 | | |
| 54 | +100/-110.7 | +100/-106.7 | +100/-103.4 | +100/-100.6 | +/-98.2 | +/-96.2 | +/-94.4 | +/-92.8 | +/-91.3 | +/-90 | +/-85.2 | +/-82.4 | +/-78.8 | +/-75.8 | +/-72.2 | +/-68.6 | +/-64.8 | | | |
| 56 | +100/-109.4 | +100/-105.2 | +100/-101.8 | +/-98.9 | +/-96.4 | +/-94.3 | +/-92.4 | +/-90.8 | +/-89.3 | +/-88 | +/-85.4 | +/-82.7 | +/-79.2 | +/-76 | +/-72.8 | +/-69.4 | | | | |
| 58 | +100/-108.4 | +100/-103.9 | +100/-100.4 | +/-97.4 | +/-94.8 | +/-92.6 | +/-90.6 | +/-88.9 | +/-87.4 | +/-86.1 | +/-84.2 | +/-82.3 | +/-79.3 | +/-76 | +/-72.8 | | | | | |
| 60 | +100/-107.5 | +100/-102.9 | +/-99.1 | +/-96 | +/-93.3 | +/-91 | +/-89 | +/-87.3 | +/-85.7 | +/-84.3 | +/-82.6 | +/-81.4 | +/-78.7 | +/-76 | | | | | | |
| 62 | +100/-106.9 | +100/-102 | +/-98.1 | +/-94.8 | +/-92 | +/-89.6 | +/-87.6 | +/-85.8 | +/-84.2 | +/-82.7 | +/-81 | +/-80.3 | +/-77.5 | | | | | | | |
| 64 | +100/-106.4 | +100/-101.3 | +/-97.2 | +/-93.8 | +/-90.9 | +/-88.4 | +/-86.3 | +/-84.4 | +/-82.7 | +/-81.3 | +/-79.5 | +/-78.8 | | | | | | | | |
| 66 | +100/-106.1 | +100/-100.7 | +/-96.4 | +/-92.8 | +/-89.8 | +/-87.3 | +/-85.1 | +/-83.1 | +/-81.4 | +/-79.9 | | | | | | | | | | |
| 67-7/8 | +100/-106.1 | +100/-100.3 | +/-95.8 | +/-92.1 | +/-89 | +/-86.3 | +/-84 | +/-82 | +/-80.3 | +/-78.7 | | | | | | | | | | |

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.




GLASS TYPE 1

TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN.




PRODUCT RENEWED
as complying with the Florida
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Acceptance No 13-0502.04
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| Rev. | |
|---|---|
| Rev 1 | |
| Rev 2 | |
| Rev 3 | |

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

CERT. OF AUTH. #29296

| Series | Desc. / Title | Scale | Sheet | DWG No. | Rev. |
|---|---|---|---|---|---|
| FIXED WINDOW INSTALLATION GUIDELINES | DESIGN PRESSURE TABLES 1 | NTS | 2 OF 9 | MD-620.1 | |

| Date | Drawn By |
|---|---|
| 4/12/13 | J ROSOWSKI |

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
7/11/13

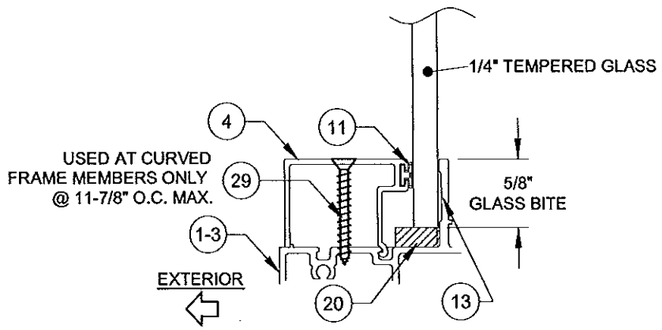
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 3:

**Window Design Pressure (+/-, psf) for Glass Type 2**

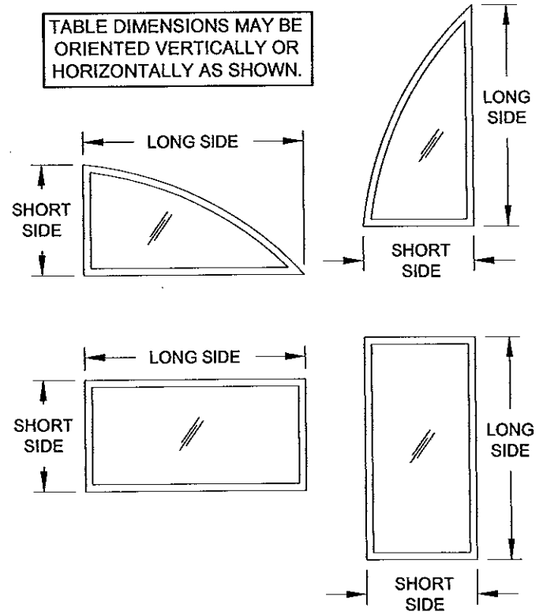
| Short Side (in) \ Long Side (in) | 67-7/8 | 72 | 76 | 80 | 84 | 88 | 92 | 96 | 100 | 104 | 109-1/2 | 112 | 116 | 120 | 124 | 128 | 132 | 136 | 140 | 144 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | +100/-150 | +100/-150 | +100/-149.5 | +100/-147.7 | +100/-146.1 | +100/-144.7 | +100/-143.4 | +100/-142.2 | +100/-141.2 | +100/-140.2 | +100/-139 | +100/-138.6 | +100/-137.8 | +100/-137.1 | +100/-136.5 | +100/-135.9 | +100/-135.4 | +100/-134.9 | +100/-134.4 | +100/-133.9 |
| 32 | +100/-147.2 | +100/-144.6 | +100/-142.5 | +100/-140.6 | +100/-139 | +100/-137.5 | +100/-136.2 | +100/-135 | +100/-133.9 | +100/-133 | +100/-131.7 | +100/-131.3 | +100/-130.5 | +100/-129.8 | +100/-129.2 | +100/-128.6 | +100/-128 | +100/-127.5 | +100/-127 | +100/-126.5 |
| 34 | +100/-141.3 | +100/-138.6 | +100/-136.4 | +100/-134.5 | +100/-132.7 | +100/-131.2 | +100/-129.9 | +100/-128.7 | +100/-127.6 | +100/-126.6 | +100/-125.3 | +100/-124.8 | +100/-124.1 | +100/-123.4 | +100/-122.7 | +100/-122.1 | +100/-121.5 | +100/-121 | +100/-120.5 | +100/-120 |
| 36 | +100/-136.1 | +100/-133.3 | +100/-131 | +100/-129 | +100/-127.3 | +100/-125.7 | +100/-124.3 | +100/-123.1 | +100/-122 | +100/-120.9 | +100/-119.7 | +100/-119.1 | +100/-118.4 | +100/-117.6 | +100/-117 | +100/-116.4 | +100/-115.8 | +100/-115.3 | +100/-114.8 | +100/-114.2 |
| 38 | +100/-131.6 | +100/-128.7 | +100/-126.3 | +100/-124.2 | +100/-122.4 | +100/-120.8 | +100/-119.4 | +100/-118.1 | +100/-117 | +100/-115.9 | +100/-114.6 | +100/-114.1 | +100/-113.3 | +100/-112.6 | +100/-111.9 | +100/-111.3 | +100/-110.7 | +100/-110.1 | +100/-108.8 | +100/-107.4 |
| 40 | +100/-127.6 | +100/-124.6 | +100/-122.1 | +100/-120 | +100/-118.1 | +100/-116.5 | +100/-115 | +100/-113.7 | +100/-112.5 | +100/-111.4 | +100/-110.1 | +100/-109.6 | +100/-108.8 | +100/-107.7 | +100/-105.5 | +100/-103.4 | +100/-102 | +100/-100.6 | +/-99.4 | +/-98 |
| 42 | +100/-124.1 | +100/-121 | +100/-118.4 | +100/-116.2 | +100/-114.3 | +100/-112.6 | +100/-111.1 | +100/-109.7 | +100/-108.5 | +100/-107.4 | +100/-106.1 | +100/-105.5 | +100/-103.5 | +100/-100.9 | +/-98.7 | +/-96.6 | +/-94.9 | +/-93.2 | +/-91.6 | +/-90 |
| 44 | +100/-121 | +100/-117.8 | +100/-115.2 | +100/-112.9 | +100/-110.9 | +100/-109.1 | +100/-107.5 | +100/-106.1 | +100/-104.9 | +100/-103.8 | +100/-102.4 | +100/-101.8 | +/-99.2 | +/-96.1 | +/-93.6 | +/-90.9 | +/-88.7 | +/-86.5 | +/-84.6 | +/-83 |
| 46 | +100/-118.4 | +100/-115 | +100/-112.2 | +100/-109.8 | +100/-107.8 | +100/-106 | +100/-104.3 | +100/-102.9 | +100/-101.6 | +100/-100.5 | +/-99.1 | +/-98.5 | +/-96 | +/-92.5 | +/-89.1 | +/-86.3 | +/-83.7 | +/-81.8 | +/-80.2 | +/-78.6 |
| 48 | +100/-116 | +100/-112.5 | +100/-109.6 | +100/-107.1 | +100/-105 | +100/-103.1 | +100/-101.5 | +/-100 | +/-98.7 | +/-97.5 | +/-96.1 | +/-95.5 | +/-94 | +/-89.8 | +/-86.2 | +/-83 | +/-80.8 | +/-79 | +/-77.1 | +/-75 |
| 50 | +100/-114 | +100/-110.3 | +100/-107.3 | +100/-104.7 | +100/-102.5 | +100/-100.6 | +/-98.9 | +/-97.4 | +/-96 | +/-94.8 | +/-93.3 | +/-92.7 | +/-91.8 | +/-88.7 | +/-84 | +/-81.6 | +/-79.1 | +/-76.7 | +/-74.7 | |
| 52 | +100/-112.2 | +100/-108.4 | +100/-105.2 | +100/-102.6 | +100/-100.3 | +/-98.3 | +/-96.5 | +/-94.9 | +/-93.6 | +/-92.3 | +/-90.8 | +/-90.2 | +/-89.2 | +/-88.4 | +/-83.8 | +/-80.6 | +/-78.2 | +/-75.6 | | |
| 54 | +100/-110.7 | +100/-106.7 | +100/-103.4 | +100/-100.6 | +/-98.2 | +/-96.2 | +/-94.4 | +/-92.8 | +/-91.3 | +/-90 | +/-88.5 | +/-87.8 | +/-86.9 | +/-86 | +/-84.1 | +/-80.8 | +/-77.6 | | | |
| 56 | +100/-109.4 | +100/-105.2 | +100/-101.8 | +/-98.9 | +/-96.4 | +/-94.3 | +/-92.4 | +/-90.8 | +/-89.3 | +/-88 | +/-86.4 | +/-85.7 | +/-84.7 | +/-83.9 | +/-83 | +/-81.2 | | | | |
| 58 | +100/-108.4 | +100/-103.9 | +100/-100.4 | +/-97.4 | +/-94.8 | +/-92.6 | +/-90.6 | +/-88.9 | +/-87.4 | +/-86.1 | +/-84.4 | +/-83.8 | +/-82.8 | +/-81.8 | +/-81 | | | | | |
| 60 | +100/-107.5 | +100/-102.9 | +/-99.1 | +/-96 | +/-93.3 | +/-91 | +/-89 | +/-87.3 | +/-85.7 | +/-84.3 | +/-82.6 | +/-82 | +/-80.9 | +/-80 | | | | | | |
| 62 | +100/-106.9 | +100/-102 | +/-98.1 | +/-94.8 | +/-92 | +/-89.6 | +/-87.6 | +/-85.8 | +/-84.2 | +/-82.7 | +/-81 | +/-80.3 | +/-79.2 | | | | | | | |
| 64 | +100/-106.4 | +100/-101.3 | +/-97.2 | +/-93.8 | +/-90.9 | +/-88.4 | +/-86.3 | +/-84.4 | +/-82.7 | +/-81.3 | +/-79.5 | +/-78.8 | | | | | | | | |
| 66 | +100/-106.1 | +100/-100.7 | +/-96.4 | +/-92.8 | +/-89.8 | +/-87.3 | +/-85.1 | +/-83.1 | +/-81.4 | +/-79.9 | | | | | | | | | | |
| 67-7/8 | +100/-106.1 | +100/-100.3 | +/-95.8 | +/-92.1 | +/-89 | +/-86.3 | +/-84 | +/-82 | +/-80.3 | +/-78.7 | | | | | | | | | | |

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.




GLASS TYPE 2

TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN.




PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 13-0502.04
Expiration Date 02/19/2019
By
Miami Dade Product Control

| Rev. | |
|---|---|
| Rev 1 | |
| Rev 2 | |
| Rev 3 | |

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

PGT®
CERT. OF AUTH. #29296

| Series | Desc. / Title | Sheet | Scale | DWG No. | Rev. |
|---|---|---|---|---|---|
| FIXED WINDOW INSTALLATION GUIDELINES | DESIGN PRESSURE TABLES 2 | 3 OF 9 | NTS | PW-620 | MD-620.1 |

Drawn By: J ROSOWSKI
Date: 4/12/13

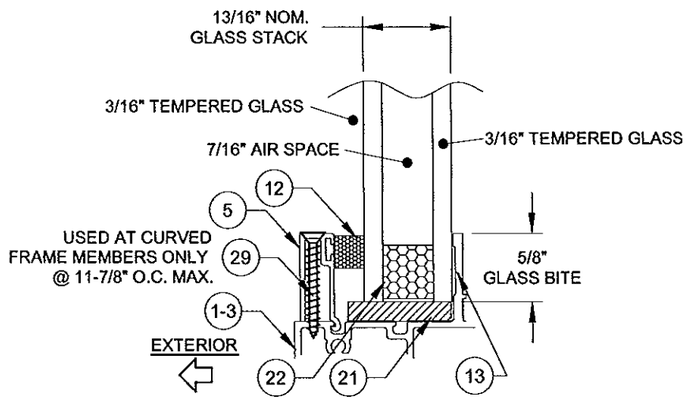
ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
7/1/13

A. LYNN MILLER, P.E.
P.E.# 58705

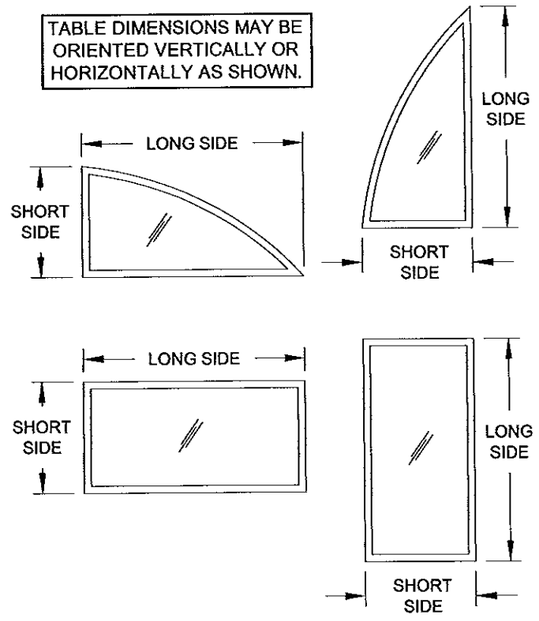
TABLE 4:

| Short Side (in) | Window Design Pressure (+/-, psf) for Glass Type 3 — 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 |
| 30 | +100/-150 | +100/-150 | +100/-149.5 | +100/-147.7 | +100/-146.1 | +100/-144.7 | +100/-143.4 | +100/-142.2 | +100/-141.2 | +100/-140.2 | +100/-139 | +100/-138.6 | +100/-137.8 | +100/-137.1 | +100/-136.5 | +100/-135.9 | +100/-135.4 | +100/-134.9 | +100/-134.4 | +100/-133.9 |
| 32 | +100/-147.2 | +100/-144.6 | +100/-142.5 | +100/-140.6 | +100/-139 | +100/-137.5 | +100/-136.2 | +100/-135 | +100/-133.9 | +100/-133 | +100/-131.7 | +100/-131.3 | +100/-130.5 | +100/-129.8 | +100/-129.2 | +100/-128.6 | +100/-128 | +100/-127.5 | +100/-127 | +100/-126.5 |
| 34 | +100/-141.3 | +100/-138.6 | +100/-136.4 | +100/-134.5 | +100/-132.7 | +100/-131.2 | +100/-129.9 | +100/-128.7 | +100/-127.6 | +100/-126.6 | +100/-125.3 | +100/-124.8 | +100/-124.1 | +100/-123.4 | +100/-122.7 | +100/-122.1 | +100/-121.5 | +100/-121 | +100/-120.5 | +100/-120 |
| 36 | +100/-136.1 | +100/-133.3 | +100/-131 | +100/-129 | +100/-127.3 | +100/-125.7 | +100/-124.3 | +100/-123.1 | +100/-122 | +100/-120.9 | +100/-119.7 | +100/-119.1 | +100/-118.4 | +100/-117.6 | +100/-117 | +100/-116.4 | +100/-115.8 | +100/-115.3 | +100/-114.8 | +100/-114.2 |
| 38 | +100/-131.6 | +100/-128.7 | +100/-126.3 | +100/-124.2 | +100/-122.4 | +100/-120.8 | +100/-119.4 | +100/-118.1 | +100/-117 | +100/-115.9 | +100/-114.6 | +100/-114.1 | +100/-113.3 | +100/-112.6 | +100/-111.9 | +100/-111.3 | +100/-110.7 | +100/-110.1 | +100/-109.6 | +100/-109.1 |
| 40 | +100/-127.6 | +100/-124.6 | +100/-122.1 | +100/-120 | +100/-118.1 | +100/-116.5 | +100/-115 | +100/-113.7 | +100/-112.5 | +100/-111.4 | +100/-110.1 | +100/-109.6 | +100/-108.8 | +100/-108 | +100/-107.3 | +100/-106.7 | +100/-106.1 | +100/-105.5 | +100/-105 | +100/-104.5 |
| 42 | +100/-124.1 | +100/-121 | +100/-118.4 | +100/-116.2 | +100/-114.3 | +100/-112.6 | +100/-111.1 | +100/-109.7 | +100/-108.5 | +100/-107.4 | +100/-106.1 | +100/-105.5 | +100/-104.7 | +100/-103.9 | +100/-103.2 | +100/-102.5 | +100/-101.9 | +100/-101.4 | +100/-100.8 | +100/-100.3 |
| 44 | +100/-121 | +100/-117.8 | +100/-115.2 | +100/-112.9 | +100/-110.9 | +100/-109.1 | +100/-107.5 | +100/-106.1 | +100/-104.9 | +100/-103.8 | +100/-102.4 | +100/-101.8 | +100/-101 | +100/-100.2 | +/-99.5 | +/-98.8 | +/-98.2 | +/-97.6 | +/-97.1 | +/-96.5 |
| 46 | +100/-118.4 | +100/-115 | +100/-112.2 | +100/-109.8 | +100/-107.8 | +100/-106 | +100/-104.3 | +100/-102.9 | +100/-101.6 | +100/-100.5 | +/-99.1 | +/-98.5 | +/-97.6 | +/-96.8 | +/-96.1 | +/-95.4 | +/-94.8 | +/-94.2 | +/-93.6 | +/-93.1 |
| 48 | +100/-116 | +100/-112.5 | +100/-109.6 | +100/-107.1 | +100/-105 | +100/-103.1 | +100/-101.5 | +/-100 | +/-98.7 | +/-97.5 | +/-96.1 | +/-95.5 | +/-94.6 | +/-93.8 | +/-93 | +/-92.3 | +/-91.7 | +/-91.1 | +/-90.5 | +/-89.9 |
| 50 | +100/-114 | +100/-110.3 | +100/-107.3 | +100/-104.7 | +100/-102.5 | +100/-100.6 | +/-98.9 | +/-97.4 | +/-96 | +/-94.8 | +/-93.3 | +/-92.7 | +/-91.8 | +/-90.9 | +/-90.2 | +/-89.5 | +/-88.8 | +/-88.2 | +/-87.7 | |
| 52 | +100/-112.2 | +100/-108.4 | +100/-105.2 | +100/-102.6 | +100/-100.3 | +/-98.3 | +/-96.5 | +/-94.9 | +/-93.6 | +/-92.3 | +/-90.8 | +/-90.2 | +/-89.2 | +/-88.4 | +/-87.6 | +/-86.9 | +/-86.2 | +/-85.6 | | |
| 54 | +100/-110.7 | +100/-106.7 | +100/-103.4 | +100/-100.6 | +/-98.2 | +/-96.2 | +/-94.4 | +/-92.8 | +/-91.3 | +/-90 | +/-88.5 | +/-87.8 | +/-86.9 | +/-86 | +/-85.2 | +/-84.5 | +/-83.8 | | | |
| 56 | +100/-109.4 | +100/-105.2 | +100/-101.8 | +/-98.9 | +/-96.4 | +/-94.3 | +/-92.4 | +/-90.8 | +/-89.3 | +/-88 | +/-86.4 | +/-85.7 | +/-84.7 | +/-83.9 | +/-83 | +/-82.3 | | | | |
| 58 | +100/-108.4 | +100/-103.9 | +100/-100.4 | +/-97.4 | +/-94.8 | +/-92.6 | +/-90.6 | +/-88.9 | +/-87.4 | +/-86.1 | +/-84.4 | +/-83.8 | +/-82.8 | +/-81.8 | +/-81 | | | | | |
| 60 | +100/-107.5 | +100/-102.9 | +/-99.1 | +/-96 | +/-93.3 | +/-91 | +/-89 | +/-87.3 | +/-85.7 | +/-84.3 | +/-82.6 | +/-82 | +/-80.9 | +/-80 | | | | | | |
| 62 | +100/-106.9 | +100/-102 | +/-98.1 | +/-94.8 | +/-92 | +/-89.6 | +/-87.6 | +/-85.8 | +/-84.2 | +/-82.7 | +/-81 | +/-80.3 | +/-79.2 | | | | | | | |
| 64 | +100/-106.4 | +100/-101.3 | +/-97.2 | +/-93.8 | +/-90.9 | +/-88.4 | +/-86.3 | +/-84.4 | +/-82.7 | +/-81.3 | +/-79.5 | +/-78.8 | | | | | | | | |
| 66 | +100/-106.1 | +100/-100.7 | +/-96.4 | +/-92.8 | +/-89.8 | +/-87.3 | +/-85.1 | +/-83.1 | +/-81.4 | +/-79.9 | | | | | | | | | | |
| 67-7/8 | +100/-106.1 | +100/-100.3 | +/-95.8 | +/-92.1 | +/-89 | +/-86.3 | +/-84 | +/-82 | +/-80.3 | +/-78.7 | | | | | | | | | | |

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.




GLASS TYPE 3




PRODUCT RENEWED
as complying with the Florida
Building Code 13-0502.04
Acceptance No
Expiration Date 02/19/2019
By
Miami Dade Product Control

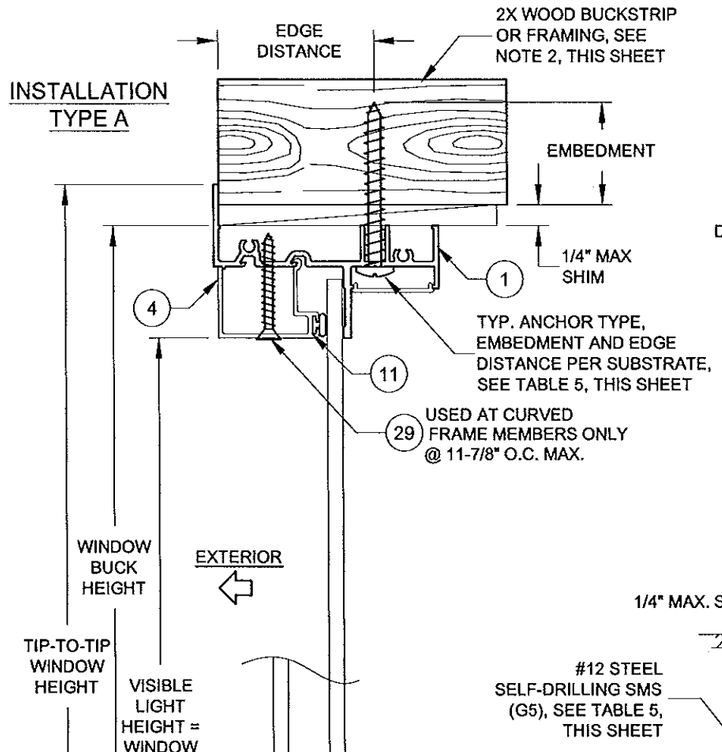
| Rev 1 | |
|---|---|
| Rev 2 | |
| Rev 3 | |


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

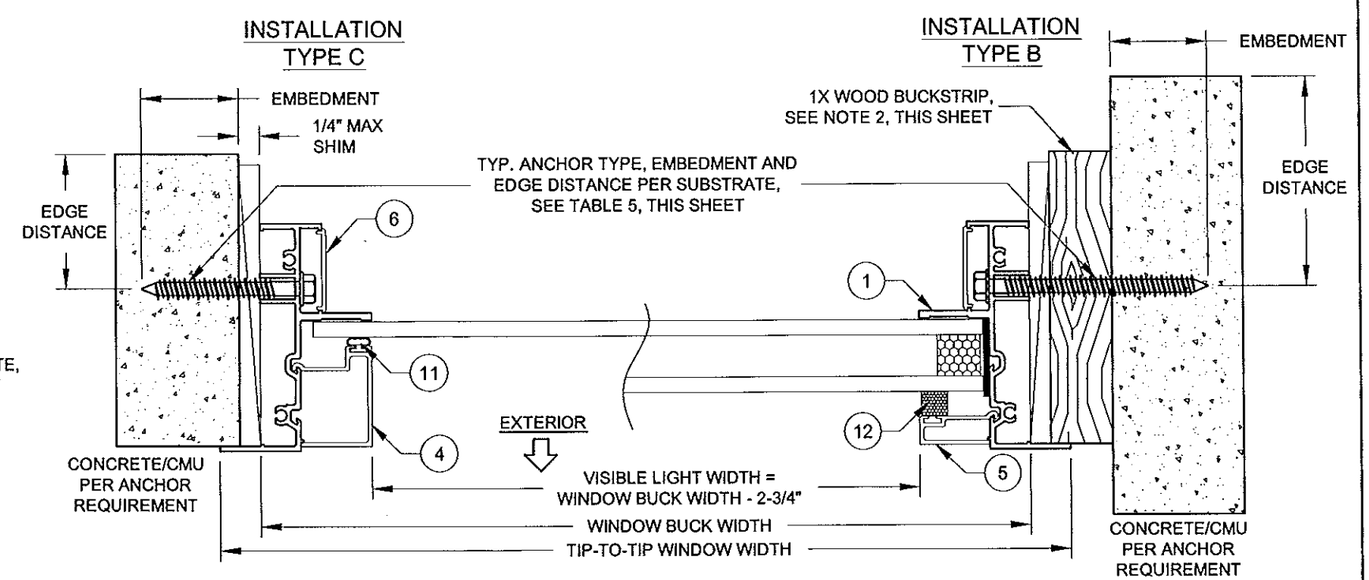

| Series | Desc. / Title | Sheet | Scale | DWG No. | Rev. |
|---|---|---|---|---|---|
| PW-620 | FIXED WINDOW INSTALLATION GUIDELINES<br>DESIGN PRESSURE TABLES 3 | 4 OF 9 | NTS | MD-620.1 | |

Drawn By: J ROSOWSKI — Date: 4/12/13

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
7/11/13
A. LYNN MILLER, P.E.
P.E.# 58705




VERTICAL SECTION B-B




HORIZONTAL SECTION A-A

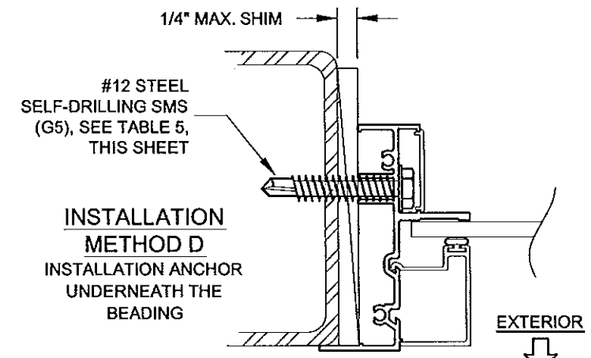



TABLE 5:

| 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:

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 RENEWED
is complying with the Florida
Building Code
Acceptance No 13-0502.04
Expiration Date 02/19/2019
By
Miami Dade Product Control

| Rev. | Date | By | Description |
|---|---|---|---|
| Rev 1 | | | |
| Rev 2 | | | |
| Rev 3 | | | |

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

| Title | Desc. | Series | Sheet | DWG No. | Rev. |
|---|---|---|---|---|---|
| FIXED WINDOW INSTALLATION GUIDELINES | FLANGE INSTALLATION | PW-620 | 5 OF 9 | MD-620.1 | |

Drawn By: J ROSOWSKI
Date: 4/12/13
Scale: NTS

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
7/1/13
A. LYNN MILLER, P.E.
P.E.# 58705

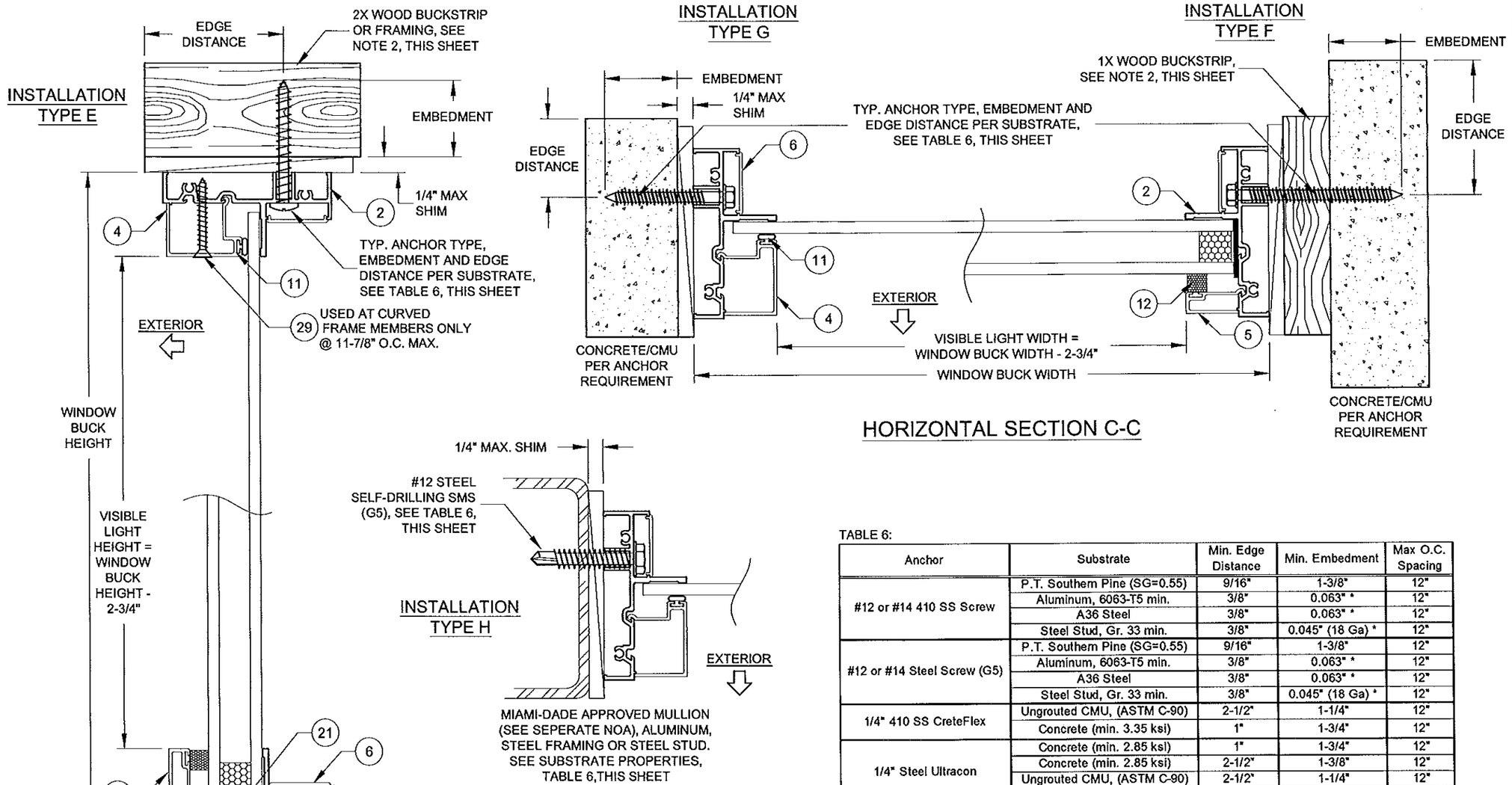



TABLE 6:

| 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:

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 RENEWED
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Acceptance No. 13-0502.04
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Miami Dade Product Control

| Rev. | Rev 1 | Rev 2 | Rev 3 |
|---|---|---|---|
| | | | |

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

| Series | Desc. | Title | Sheet | DWG No. | Drown By | Date | Rev. |
|---|---|---|---|---|---|---|---|
| PW-620 | EQUAL-LEG INSTALLATION | FIXED WINDOW INSTALLATION GUIDELINES | 6 OF 9 | MD-620.1 | J ROSOWSKI | 4/12/13 | |
| | Scale | | NTS | | | | |

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER

A. LYNN MILLER, P.E.
P.E.# 58705

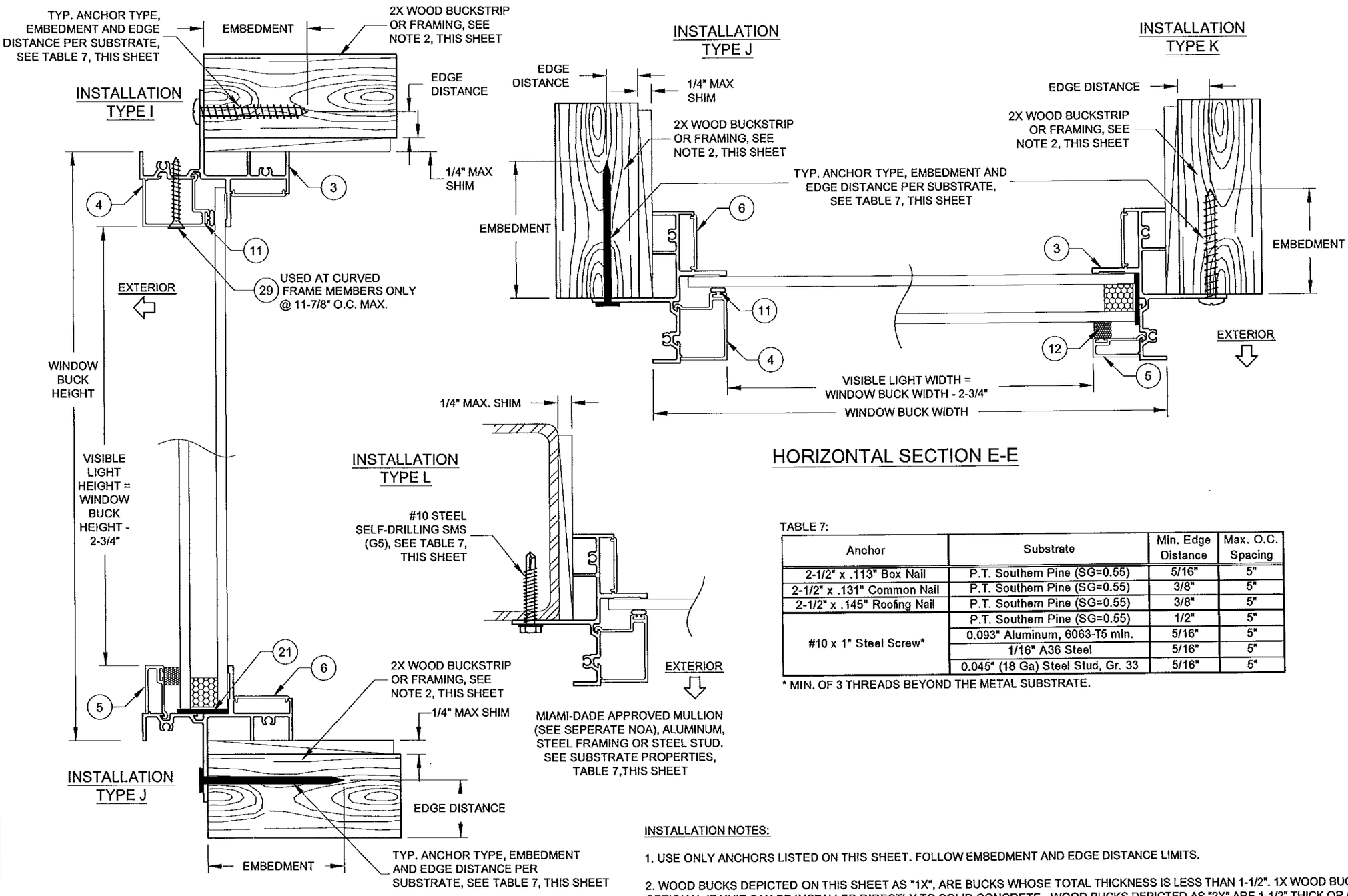


TABLE 7:

| Anchor | Substrate | Min. Edge Distance | Max. O.C. Spacing |
|---|---|---|---|
| 2-1/2" x .113" Box Nail | P.T. Southern Pine (SG=0.55) | 5/16" | 5" |
| 2-1/2" x .131" Common Nail | P.T. Southern Pine (SG=0.55) | 3/8" | 5" |
| 2-1/2" x .145" Roofing Nail | P.T. Southern Pine (SG=0.55) | 3/8" | 5" |
| #10 x 1" Steel Screw* | P.T. Southern Pine (SG=0.55) | 1/2" | 5" |
| | 0.093" Aluminum, 6063-T5 min. | 5/16" | 5" |
| | 1/16" A36 Steel | 5/16" | 5" |
| | 0.045" (18 Ga) Steel Stud, Gr. 33 | 5/16" | 5" |

* 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 RENEWED
is complying with the Florida
Building Code
Acceptance No 13-0502.04
Expiration Date 02/19/2019
By
Miami Dade Product Control

| Rev. | Date | Drawn By | DWG No. | Sheet | Scale | Series | Desc. | Title |
|---|---|---|---|---|---|---|---|---|
| Rev 1 | 4/12/13 | J ROSOWSKI | MD-620.1 | 7 OF 9 | NTS | PW-620 | FIN INSTALLATION | FIXED WINDOW INSTALLATION GUIDELINES |
| Rev 2 | | | | | | | | |
| Rev 3 | | | | | | | | |

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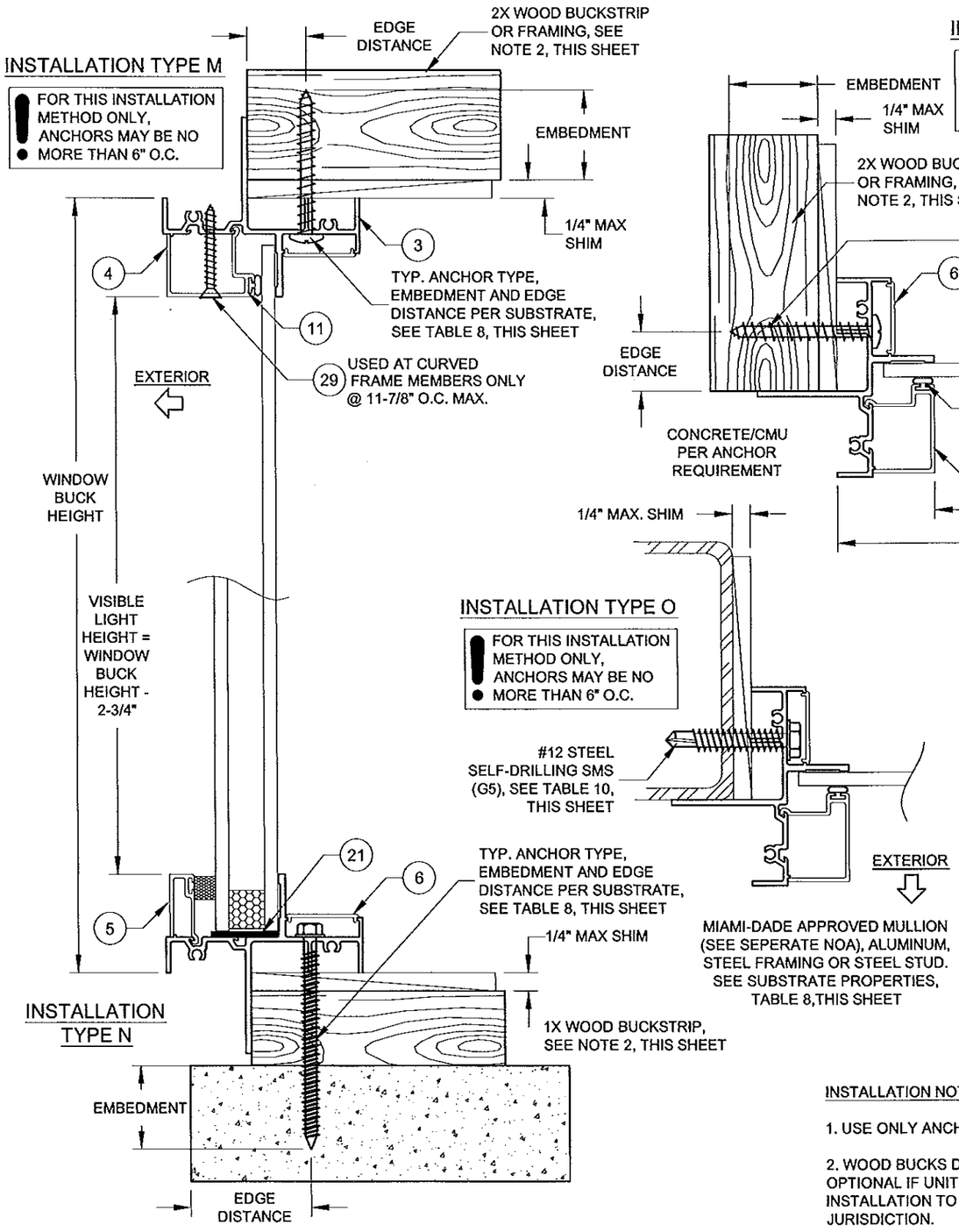


TABLE 8:

| 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" | 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.

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| Rev. | Date | Description |
|---|---|---|
| Rev 1 | | |
| Rev 2 | | |
| Rev 3 | | |


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| Series | Title | Sheet | DWG No. | Rev. |
|---|---|---|---|---|
| PW-620 | FIN INSTALLATION | 8 OF 9 | MD-620.1 | |

| Desc. | Date | Drawn By |
|---|---|---|
| FIXED WINDOW INSTALLATION GUIDELINES | 4/12/13 | J ROSOWSKI |

Scale: NTS

ANTHONY LYNN MILLER
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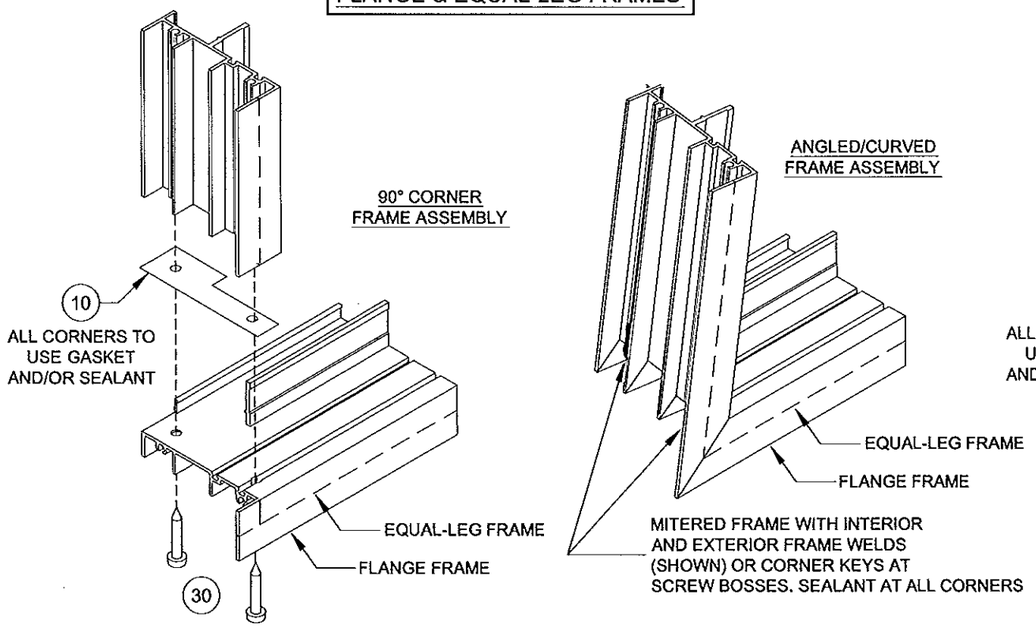
STATE OF FLORIDA
PROFESSIONAL ENGINEER
7/11/13

A. LYNN MILLER, P.E.
P.E.# 58705

## ASSEMBLY DETAILS FOR FLANGE & EQUAL-LEG FRAMES




## ASSEMBLY DETAILS FOR FIN FRAMES

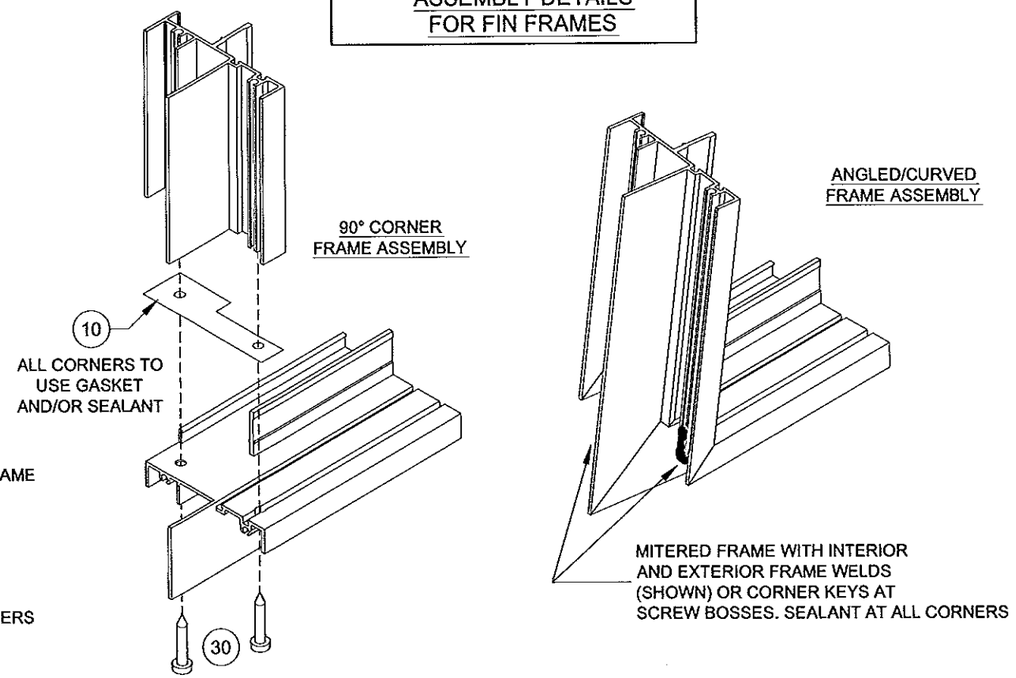
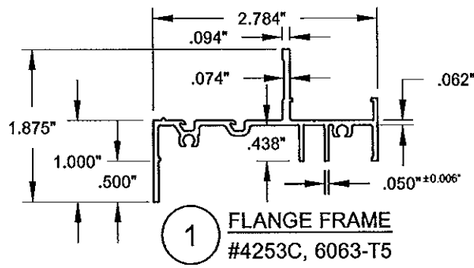
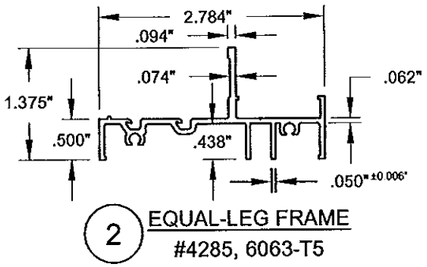



TABLE 9:

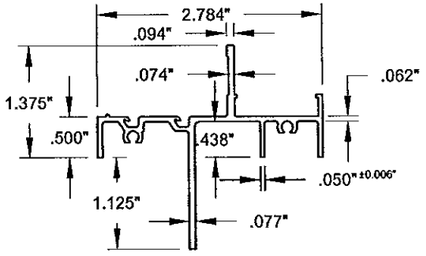
| Item # | PGT Part # | Description | Material |
|---|---|---|---|
| 1 | 4253C | Flanged Frame | Alum. 6063-T5 |
| 2 | 4285 | Equal-leg Frame | Alum. 6063-T5 |
| 3 | 4256 | Integral Fin Frame | Alum. 6063-T5 |
| 4 | 4255 | 7/16" Lami. Glass Beading | Alum. 6063-T5 |
| 5 | 4254 | I.G. Glass Beading | 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. 65 +/-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 |



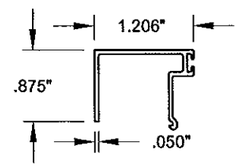

1 FLANGE FRAME
#4253C, 6063-T5



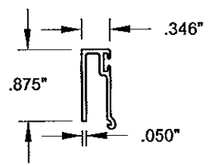

2 EQUAL-LEG FRAME
#4285, 6063-T5



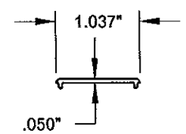

3 FIN FRAME
#4256, 6063-T5




3/16" & 1/4" GLASS BEADING
4 #4258, 6063-T5




5 I.G. GLASS BEADING
#4254, 6063-T5




6a INSTALLATION FASTENER COVER
#4270, 6063-T5

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Expiration Date 02/19/2019
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| Rev 3 | Rev 2 | Rev 1 |
|---|---|---|
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PGT®
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| Title | Desc. | Series |
|---|---|---|
| FIXED WINDOW INSTALLATION GUIDELINES | BOM, EXTRUSIONS AND CORNERS | PW-620 |

| Date | Drown By | DWG No. | Rev. |
|---|---|---|---|
| 4/12/13 | J ROSOWSKI | MD-620.1 | |

| Scale | Sheet |
|---|---|
| NTS | 9 OF 9 |

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