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

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

NOTICE OF ACCEPTANCE (NOA)

PGT Industries, Inc.
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 "PW7720A" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **MD-7720A.1**, titled "Fixed Window Installation Guidelines", sheets 1 through 10 of 10, dated 04/12/13, with revision **F** dated 07/31/23, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control 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 and renews NOA No. 20-0401.10** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**

MIAMI-DADE COUNTY
APPROVED

9/6/23

NOA No. 23-0816.02
Expiration Date: February 19, 2029
Approval Date: September 14, 2023

NOTICE OF ACCEPTANCE; EVIDENCE SUBMITTED

I. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
   (Submitted under NOA No. 08-1112.09)
2. Drawing No. **MD-7720A.1**, titled "Fixed Window Installation Guidelines", sheets 1 through 10 of 10, dated 04/12/13, with revision **E** dated 03/11/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
   (Submitted under NOA No. 20-0401.10)

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 ASTM F588 and TAS 202-94

   along with marked-up drawings and installation diagram of all PGT Industries, Inc. representative units listed below and tested to qualify **Dowsil 791** and **Dowsil 983** silicones, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.: **FTL-7897,** PGT PW5520 PVC Fixed Window (unit 6 in proposal), dated 09/03/14 **FTL-20-2107.1,** PGT SGD780 Aluminum Sliding Glass Door (unit 7 in proposal) **FTL-20-2107.2,** PGT CA740 Alum. Outswing Casement Window (unit 8 in proposal) **FTL-20-2107.3,** PGT PW7620A Aluminum Fixed Window (unit 9 in proposal) and **FTL-20-2107.4**, PGT PW7620A Aluminum Fixed Window (unit 10 in proposal) dated 07/13/20, all signed and sealed by Idalmis Ortega, P.E.
   (Submitted under NOA No. 20-0401.10)
2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
   2) Large Missile Impact Test per FBC, TAS 201-94
   3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

   along with marked-up drawings and installation diagram of a PVC sliding glass door, a PVC fixed window and an aluminum sliding glass door, using: Kodispace 4SG TPS spacer system, Duraseal® spacer system, Super Spacer® NXT™ spacer system and XL Edge™ spacer system at insulated glass, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-8717, FTL-8968** and **FTL-8970**, dated 11/16/15, 06/07/16 and 06/02/16 respectively, all signed and sealed by Idalmis Ortega, P.E.
   (Submitted under NOA No. 16-0629.14)

Manuel Perez

Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-0816.02
Expiration Date: February 19, 2029
Approval Date: September 14, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

B. TESTS (CONTINUED)

3. 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 NOA No. 13-0502.03)

4. 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. 03-1105.02)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 6th Edition (2017)**, prepared by manufacturer, dated 04/19/18, revised and updated to the **FBC 7th Edition (2020)** on 03/19/20, signed and sealed by Anthony Lynn Miller, P.E.
   (Submitted under NOA No. 20-0401.10)
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 05/09/19, expiring on 07/08/24.
2. Notice of Acceptance No. **18-0725.11** issued to **Kuraray America, Inc.** for their "**Kuraray SentryGlas® Xtra™ (SGX™) Clear Glass Interlayer**" dated 05/23/19, expiring on 05/23/24.

Manuel Perez

Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0816.02
Expiration Date: February 19, 2029
Approval Date: September 14, 2023

NOTICE OF ACCEPTANCE; EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

E. MATERIAL CERTIFICATIONS (CONTINUED)

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 6th Edition (2017)** and the **FBC 7th Edition (2020)**, dated March 10, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
   (Submitted under NOA No. 20-0401.10)
2. Statement letter of no financial interest, dated March 10, 2018, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
   (Submitted under NOA No. 20-0401.10)
3. Proposal No. **19-1155 TP** issued by the Product Control Section, dated January 10, 2020, signed by Ishaq Chanda, P.E.
   (Submitted under NOA No. 20-0401.10)
4. Proposal No. **17-1508** issued by the Product Control Section, dated November 16, 2017, signed by Jorge Plasencia, P.E., Product Control Unit Supervisor.
   (Submitted under NOA No. 18-0430.05)
5. Proposal No. **16-1372B** issued by the Product Control Section, dated 11/09/16, signed by Manuel Perez, P.E.
   (Submitted under NOA No. 17-0614.11)
6. Proposal No. **16-0125** issued by the Product Control Section, dated March 09, 2016, signed by Ishaq Chanda, P.E.
   (Submitted under NOA No. 17-0614.11)
7. Laboratory compliance letter for Test Report No. **FTL-7212**, dated 03/21/13, signed and sealed by Marlin D. Brimson, P.E.
   (Submitted under NOA No. 13-0502.03)
8. Laboratory compliance letter for Test Reports No. **FTL-3834** and **FTL-3847**, dated 07/30/03 and 07/31/03 respectively, all signed and sealed by Joseph C. Chan, P.E.
   (Submitted under NOA No. 03-1105.01)

Manuel Perez

Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-0816.02
Expiration Date: February 19, 2029
Approval Date: September 14, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

G. OTHERS

1. Notice of Acceptance No. **18-0430.05**, issued to PGT Industries, Inc. for their Series "PW7720A" Aluminum Fixed Window – L.M.I., approved on 08/23/18 and expiring on 02/19/24.

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **MD-7720A.1**, titled "Fixed Window Installation Guidelines", sheets 1 through 10 of 10, dated 04/12/13, with revision **F** dated 07/31/23, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS

1. Test reports on: 1) 400 ft-lb Drop Test, per ANSI Z97.1-15 Class A and FBC Sections 2406.2 and 2406.4.3, along with marked-up drawings and installation diagram of CGI Windows & Doors, Inc. and PGT Industries, Inc. representative units listed below and tested to qualify ANSI Z97.1 Safety Glazing on corresponding lites of CGI and PGT lines of fixed window products, prepared by QAI Laboratories, Test Reports No.: **NOK-0049**, test specimen: CGI Windows & Doors, Inc. Series "PW238" Aluminum Fixed Window – L.M.I. (unit 1 in proposal No. **23-0441R** dated 06/12/23). **NOK-0050**, test specimen: PGT Industries, Inc. Series "PW5520 Vinyl Fixed Window – L.M.I. (unit 2 in proposal No. **23-0441R** dated 06/12/23), each dated 08/02/23, and signed and sealed by Idalmis Ortega, P.E.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 11/19/20, expiring on 07/08/24.
2. Notice of Acceptance No. **22-1116.01** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 12/15/22, expiring on 07/04/28.

Manuel Perez

Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-0816.02
Expiration Date: February 19, 2029
Approval Date: September 14, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED (CONTINUED)

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)** and the **FBC 8th Edition (2023)**, dated July 31, 2023, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated July 31, 2023, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
3. Proposal No. **23-0441R** issued by the Product Control Section, dated 06/06/23 and revised on 06/12/23, signed by Manuel Perez, P.E.

G. OTHERS

1. Notice of Acceptance No. **20-0401.10**, issued to PGT Industries, Inc. for their Series "PW7720A" Aluminum Fixed Window – L.M.I., approved on 08/06/20 and expiring on 02/19/24.

Manuel Perez

Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-0816.02
Expiration Date: February 19, 2029
Approval Date: September 14, 2023

GENERAL NOTES: SERIES FW7200 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) ANCHORING WILL NOT BE REQUIRED WHEN USED IN MASONRY OPENINGS HAVING THE SAME OR GREATER STRENGTH AS THE MASONRY INTO WHICH INSTALLATION WILL BE MADE. THE OUTBOARD LITE CAN NOT BE REMOVED.

3) FOR MASONRY APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED MASONRY ANCHORS. MATERIALS USED FOR ANCHOR INSTALLATION MUST BE EITHER PINE WITH 2.5 CONCRETE MINIMUM UNITS AND CONCRETE STRENGTH NOT LESS THAN ANCHOR TYPE.

4) ALL WOOD SHIMS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED AS INSTALLATIONS. 12 WOOD SHIMS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD SHIMS DEPICTED AS 12 AND 1-1/2" THICK OR GREATER, 1/4" AND 2X SHIMS (WHERE USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. PROPER DESIGN OF EACH AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER, ARCHITECT OR RECORD OWNER.

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

6) SHIMS, 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 SHIMS BY OTHERS MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE WINDOW.

7) DESIGN PRESSURES:
A. NEGATIVE DESIGN LOADS BASED ON ASTM E1886 AND E1996 TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
B. POSITIVE DESIGN LOADS BASED ON ASTM TEST PRESSURE, STRUCTURAL CYCLE TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
C. SMOOTH LOADS ARE BASED ON ALL CHANNELS STRESS DESIGN, ADD.

8) THE ANCHORAGE METHOD SHOWN HAVE BEEN DESIGNED TO RESIST THE WIND LOAD CORresponding TO THE REQUIRED DESIGN PRESSURE. THE 40 LOAL CRITERIA INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR HAS BEEN 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) REFERENCED TEST REPORTS FOR WIND, SEE, SEAL & WATER DEPART US ENGINEERING TRADITION + PAGE, PRIVATE LLC CONFORMS FROM AAMA APPLICATION FOR WOOD CONSTRUCTION AND ALUMINUM DESIGN MANUAL.

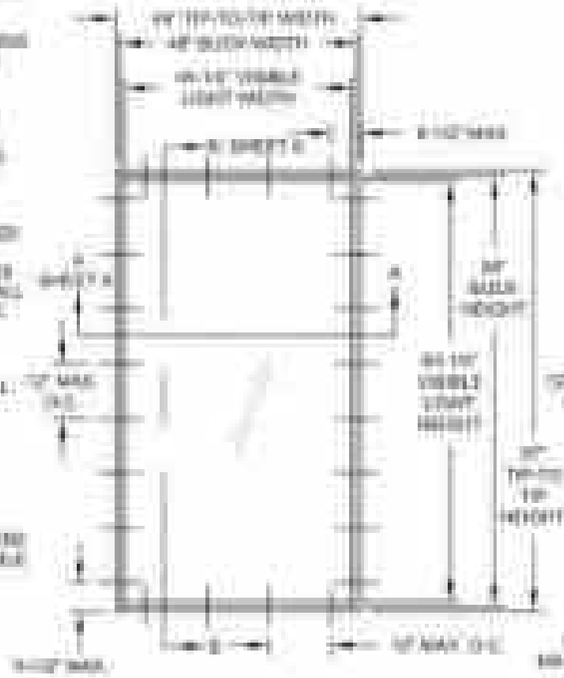
10) THE FW# SERIES WAS FORMERLY CALLED THE FW#SE SERIES.

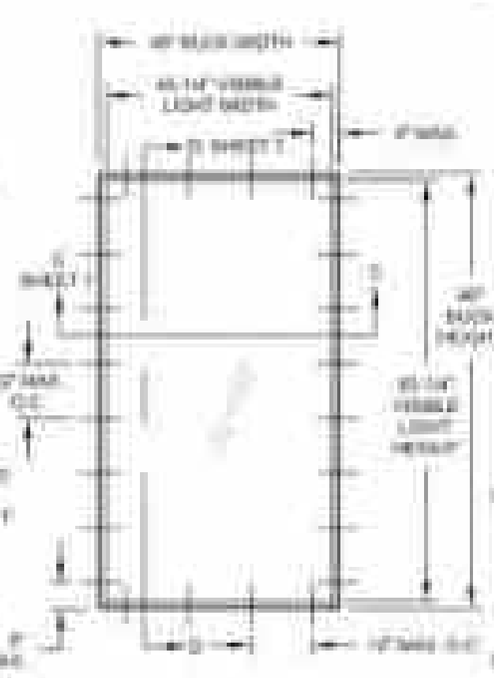
11) FRAME FLANGES OR MITERED JOINTS CAN BE WELDED OR HELD TO OBTAIN MAXIMUM STRENGTH. SEE CUT DETAIL.

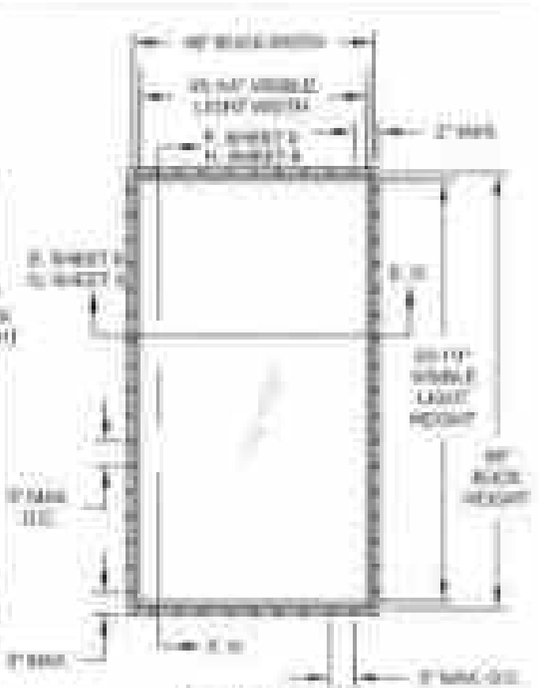
CODES / STANDARDS USED:
- 2023 FLORIDA BUILDING CODE (FBC), 8TH EDITION
- 2020 FLORIDA BUILDING CODE (FBC), 7TH EDITION
- ASTM E1886-13
- ANSI/AWS D1.3/D1.3M FOR WOOD CONSTRUCTION
- ALUMINUM DESIGN MANUAL, ADM 2020
- AWS D1.6/D1.6
- AISC 360-16

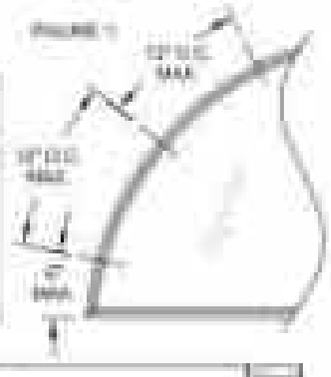
THIS SYSTEM HAS BEEN TESTED TO MEET THE ASTM E1886 KINETIC ENERGY IMPACT LOADING REQUIREMENTS OF ANSI Z97.1 WHEN USING GLASS TYPES C, A, & GS.

DESIGN PRESSURE RATING	IMPACT RATING
+50/-50 SEE SHEETS 2-3	LARGE & SMALL MISSILE IMPACT RESISTANT









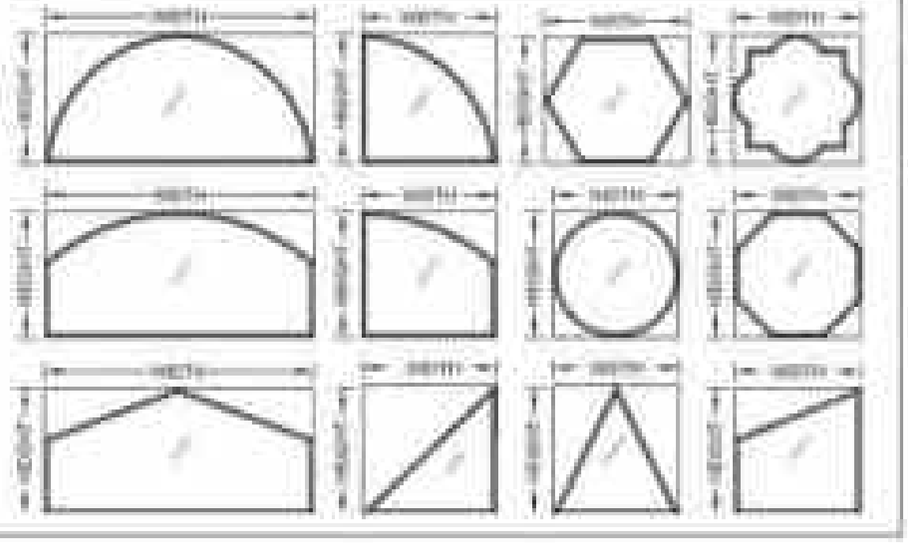
GUIDE TO SHEETS

GENERAL NOTES	1
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INSTALLATION EQUAL LEG	5
INSTALLATION SIT FIN A	6
INSTALLATION SIT FIN B	6
CORNER ASSEMBLY	7-8
EXTRUSION PROFILES	9-10
PARTS LIST	10

Type #	Description	Qty #
1		
2		
3		
4		
5		
6		
7		
8		

"FIX" = "FLORIDA" WINDOW & DOOR INTERIORS BY KOMMERLY AMERICA, INC.
"FWP" = "FLORIDA PRODUCTS" FOR INTERIOR USE BY KOMMERLY AMERICA, INC.

SHAPES AS SHOWN BELOW OR SIMILAR MAY BE USED BY PROVIDING THE SAME WIDTH AND DESIGNING DESIGN PRESSURES FOR THAT PLOTH SIZE FROM THE TABULATION SHEETS 2-3 AND MIN SPACING TO BE AT 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
HVA-As: 23-3818.02
Expiration Date: 02/19/2029
By:
Miami-Dade Product Control

REVISED TO 2023 BUILDING CODE, REMOVE INSTALLATION ANCHORS AS SEALED FROM NOTE 5, ADD NOTE, SHEETS AND ZEP-1, ADD NOTE 11, REVISE ULTRACON SEAL NOTE 6, SR-1/01/2025

REVISIONS		
1	1/30/2025	
2		
3		
4		

GENERAL NOTES & ELEVATION

FIXED WINDOW INSTALLATION INSTRUCTIONS

DRAWN BY:	PW/TWA
SHEET:	1 OF 10

PGT



TABLE 1

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

Height \ Width	24	30	36	42	48	54	60	66	72	78	84
24											
30											
36											
42											
48											
54											
60											
66											
72											
78											
84											
90											
96											
102											
108											
114											
120											

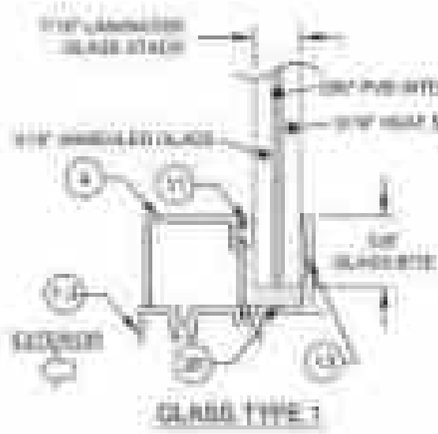
1) TIP-TO-TIP DIMENSIONS SHOWN FOR INTEGRAL FIN AND EQUAL LEG WINDOWS. SUBTRACT 1" FROM TIP-TO-TIP DIMENSION IN THE TABLE TO DETERMINE THE WINDOW SIZE.
2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE HEIGHT OR LONG DIMENSION.
3) FOR ARCHITECTURAL WINDOWS, FIND THE SMALLEST WINDOW SIZE IN THE TABLE ABOVE WHICH THE OVERALL DIMENSIONS COMPLETELY FIT WITHIN.

TABLE 2

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

Height \ Width	24	30	36	42	48	54	60	66	72	78	84
24											
30											
36											
42											
48											
54											
60											
66											
72											
78											
84											
90											
96											
102											
108											
114											
120											

1) TIP-TO-TIP DIMENSIONS SHOWN FOR INTEGRAL FIN AND EQUAL LEG WINDOWS. SUBTRACT 1" FROM TIP-TO-TIP DIMENSION IN THE TABLE TO DETERMINE THE WINDOW SIZE.
2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE HEIGHT OR LONG DIMENSION.
3) FOR ARCHITECTURAL WINDOWS, FIND THE SMALLEST WINDOW SIZE IN THE TABLE ABOVE WHICH THE OVERALL DIMENSIONS COMPLETELY FIT WITHIN.



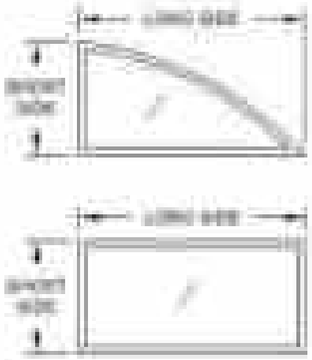
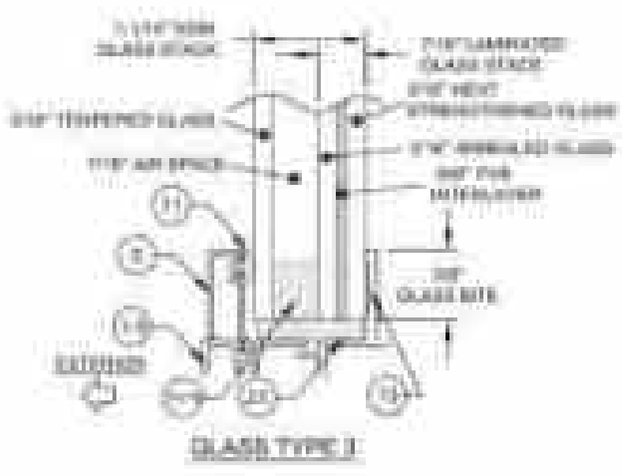


TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN





PRODUCT REVISED
As complying with the Florida Building Code
HVA-No. 23-3618.02
Expiration Date: 02/19/2029
By:
Miami-Dade Product Control

FIND CHANGES THIS SHEET
03 - 07/11/23

PGT

FIXED WINDOW INSTALLATION DETAILS

1	07/11/23	ADDED TABLE 2
0	02/19/19	INITIAL RELEASE

SHEET 10 OF 14

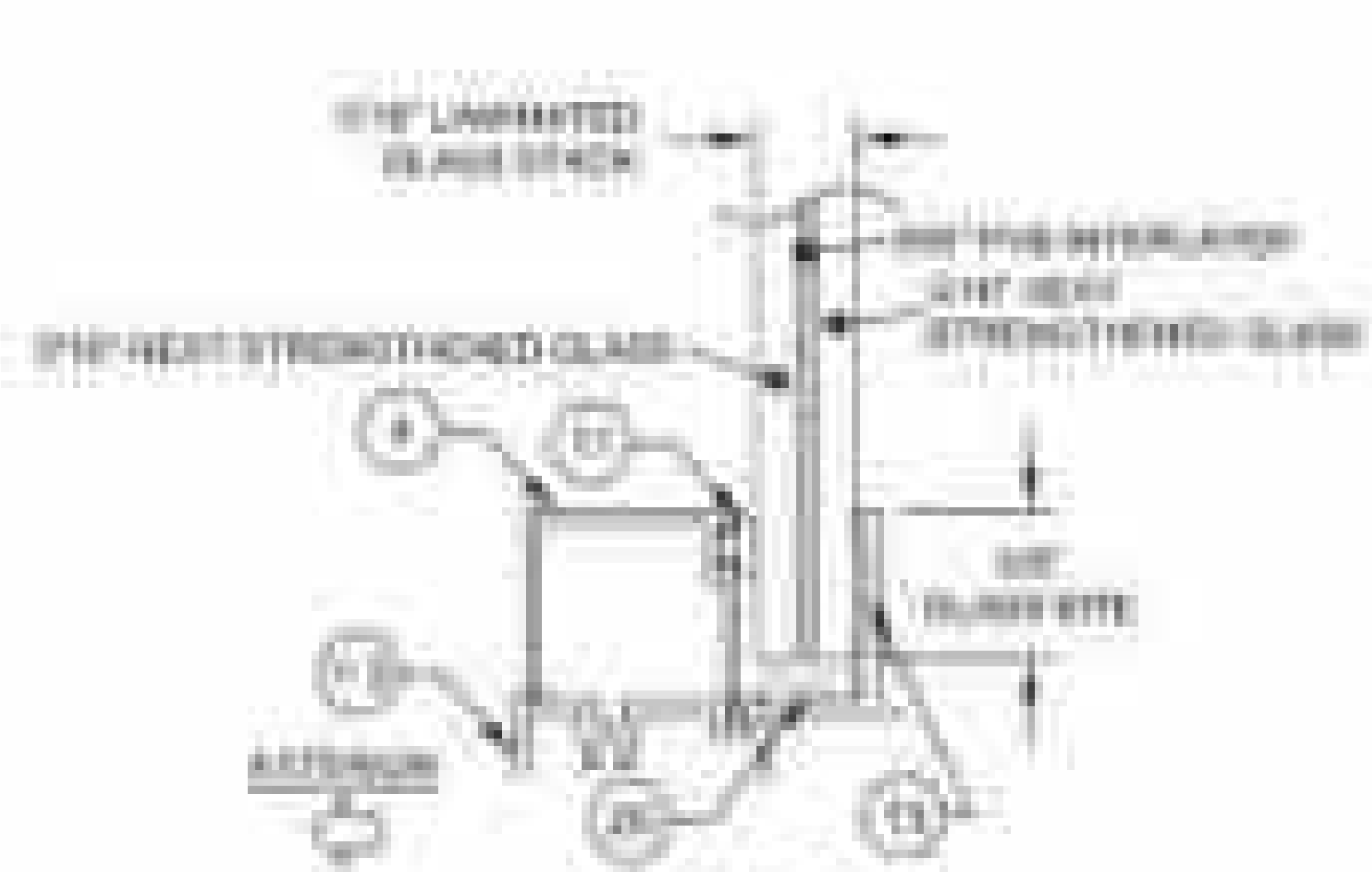
ANTHONY LYNN MILES
LICENSE
No. 68703
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

TABLE 4

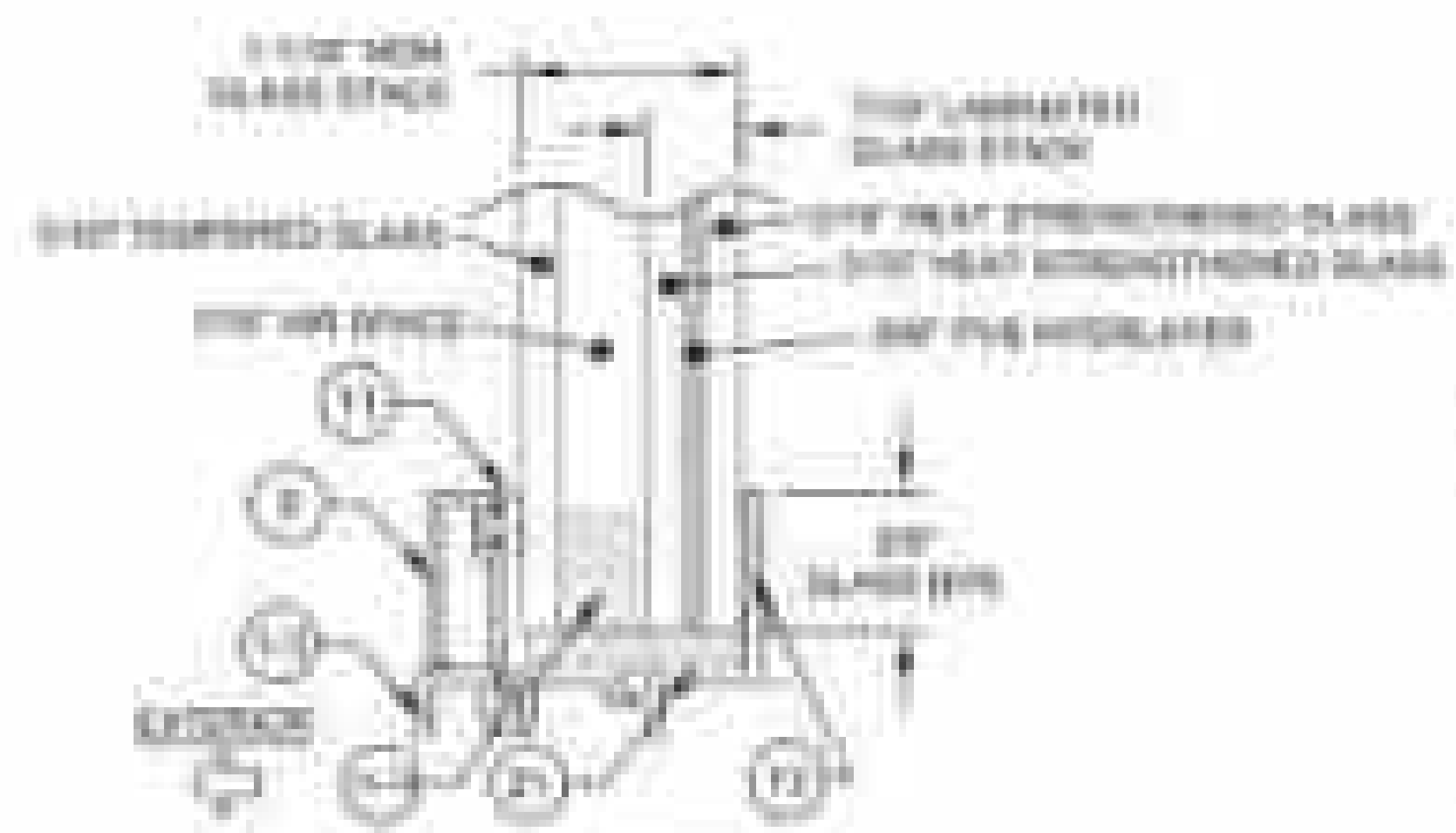
Window Design Pressure (+/-, psf) for Glass Types 2 & 4

	Long Side, Tip To Tip																			
Short Side, Tip To Tip	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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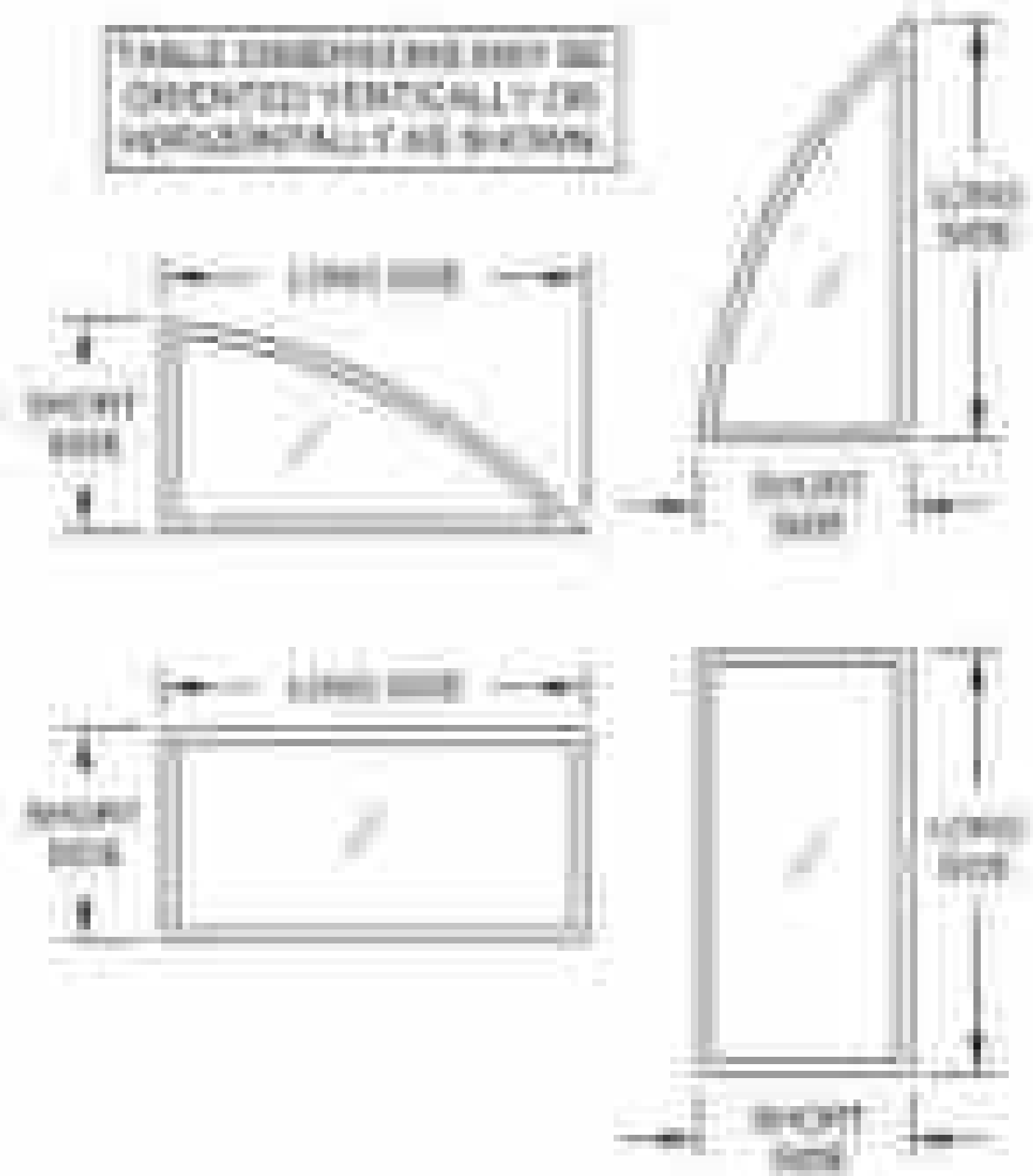
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3) [illegible]



GLASS TYPE 2



GLASS TYPE 4



PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-0818.02
Expiration Date 02/19/2029
By
Miami-Dade Product Control

PGT

FIXED WINDOW INSTALLATION GUIDELINES
DESIGN PRESSURE TABLES 2

FW7720A

TABLE 5

Window Design Pressure (+/-, psf) for Glass Type 5													
Glass Size (Inches)													
W (1)	A	B	C	D	E	F	G	H	I	J	K	L	H (2)
12	60	60	60	60	60	60	60	60	60	60	60	60	60
14	60	60	60	60	60	60	60	60	60	60	60	60	60
16	60	60	60	60	60	60	60	60	60	60	60	60	60
18	60	60	60	60	60	60	60	60	60	60	60	60	60
20	60	60	60	60	60	60	60	60	60	60	60	60	60
22	60	60	60	60	60	60	60	60	60	60	60	60	60
24	60	60	60	60	60	60	60	60	60	60	60	60	60
26	60	60	60	60	60	60	60	60	60	60	60	60	60
28	60	60	60	60	60	60	60	60	60	60	60	60	60
30	60	60	60	60	60	60	60	60	60	60	60	60	60
32	60	60	60	60	60	60	60	60	60	60	60	60	60
34	60	60	60	60	60	60	60	60	60	60	60	60	60
36	60	60	60	60	60	60	60	60	60	60	60	60	60
38	60	60	60	60	60	60	60	60	60	60	60	60	60
40	60	60	60	60	60	60	60	60	60	60	60	60	60
42	60	60	60	60	60	60	60	60	60	60	60	60	60
44	60	60	60	60	60	60	60	60	60	60	60	60	60
46	60	60	60	60	60	60	60	60	60	60	60	60	60
48	60	60	60	60	60	60	60	60	60	60	60	60	60

1) TIP-TO-TIP DIMENSIONS SHOWN FOR INTERNAL PAN AND EQUAL LEG WINDOWS. SUBTRACT 1" FROM THE TIP-TO-TIP DIMENSION IN THE TABLE TO DETERMINE THE WINDOW SIZE.
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 6

Window Design Pressure (+/-, psf) for Glass Type 7													
Glass Size (Inches)													
W (1)	A	B	C	D	E	F	G	H	I	J	K	L	H (2)
12	60	60	60	60	60	60	60	60	60	60	60	60	60
14	60	60	60	60	60	60	60	60	60	60	60	60	60
16	60	60	60	60	60	60	60	60	60	60	60	60	60
18	60	60	60	60	60	60	60	60	60	60	60	60	60
20	60	60	60	60	60	60	60	60	60	60	60	60	60
22	60	60	60	60	60	60	60	60	60	60	60	60	60
24	60	60	60	60	60	60	60	60	60	60	60	60	60
26	60	60	60	60	60	60	60	60	60	60	60	60	60
28	60	60	60	60	60	60	60	60	60	60	60	60	60
30	60	60	60	60	60	60	60	60	60	60	60	60	60
32	60	60	60	60	60	60	60	60	60	60	60	60	60
34	60	60	60	60	60	60	60	60	60	60	60	60	60
36	60	60	60	60	60	60	60	60	60	60	60	60	60
38	60	60	60	60	60	60	60	60	60	60	60	60	60
40	60	60	60	60	60	60	60	60	60	60	60	60	60
42	60	60	60	60	60	60	60	60	60	60	60	60	60
44	60	60	60	60	60	60	60	60	60	60	60	60	60
46	60	60	60	60	60	60	60	60	60	60	60	60	60
48	60	60	60	60	60	60	60	60	60	60	60	60	60

1) TIP-TO-TIP DIMENSIONS SHOWN FOR INTERNAL PAN AND EQUAL LEG WINDOWS. SUBTRACT 1" FROM THE TIP-TO-TIP DIMENSION IN THE TABLE TO DETERMINE THE WINDOW SIZE.
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.

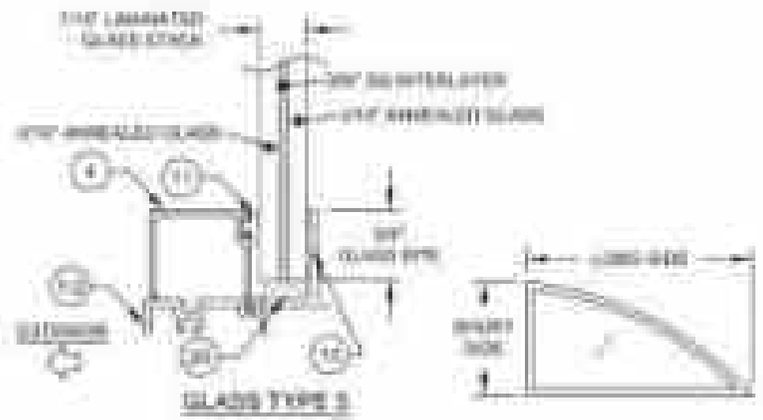
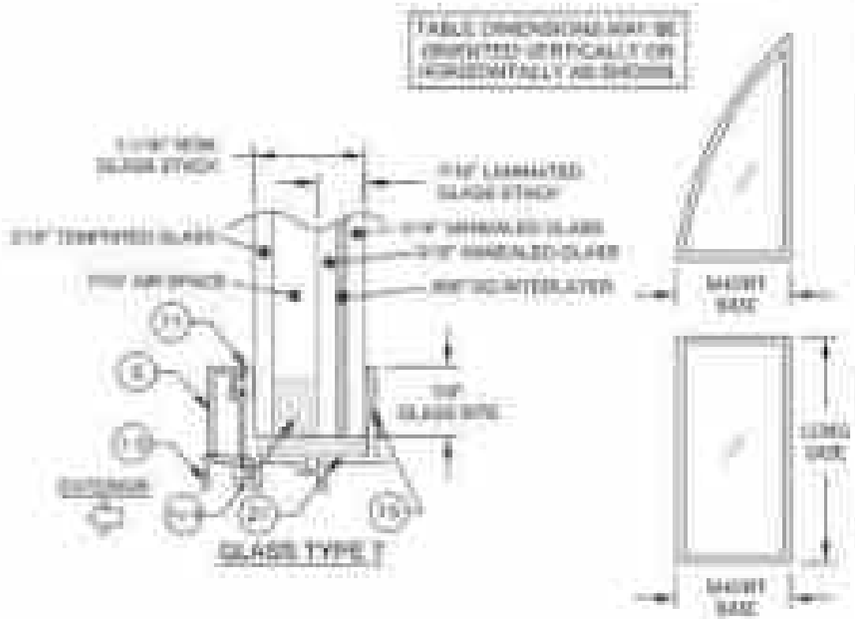


TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN



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As complying with the Florida Building Code
HVA-As: 23-3818.02
Expiration Date: 02/19/2029
By:
Miami-Dade Product Control

THIS CHANGES THIS SHEET ONLY

#	DESCRIPTION	DATE
1	PRODUCT REVISED	12/19/23
2	ADD 4'-0"	4/2/24
3	PW TYPE	5/7/24

PGT

DESIGNED FOR PGT BY: [illegible]

DESIGNED FOR PGT BY: [illegible]

PGT WINDOW INSTALLATION GUIDE

SHEET TITLE: GLASS TYPES

SHEET NO.: [illegible]

ANTHONY LYNN MILES
No. 69700
STATE OF FLORIDA
PROFESSIONAL ENGINEER
ANTHONY LYNN MILES, P.E.
FLA. No. 69700

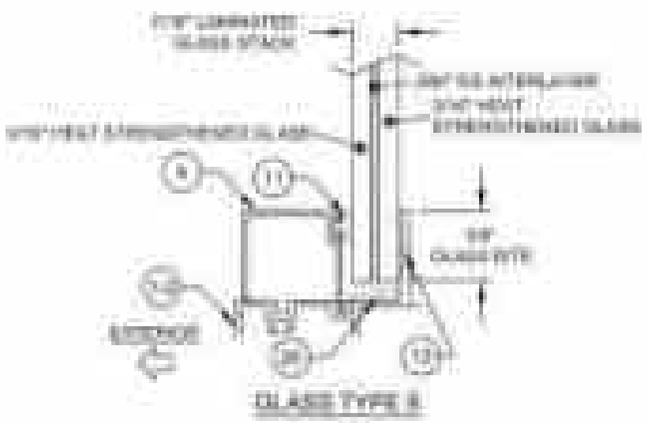
TABLE 7

Window Design Pressure (+/-, psf) for Glass Types I & II

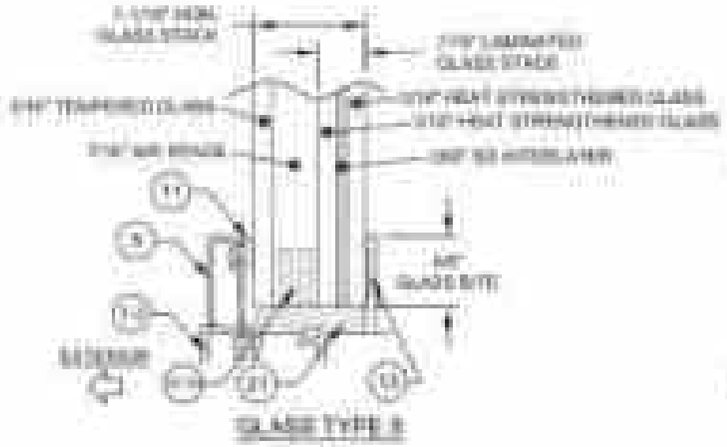
Long Side, Y (in.)

Short Side, X (in.)	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252
12																					
24																					
36																					
48																					
60																					
72																					
84																					
96																					
108																					
120																					
132																					
144																					
156																					
168																					
180																					
192																					

1) TIP-TO-TIP DIMENSIONS SHOWN FOR INTERIOR FIN AND EXTERIOR LEG WINDOWS. SUBTRACT 1" FROM THE TIP-TO-TIP DIMENSIONS IN THE TABLE TO DETERMINE THE WINDOW SIZE.
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.

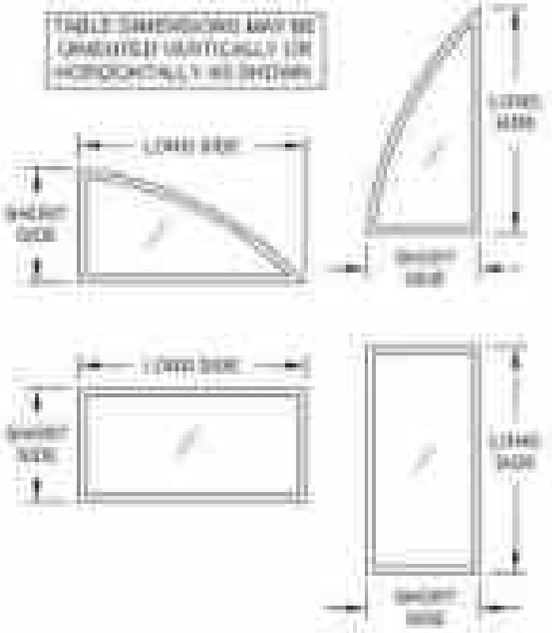


GLASS TYPE II



GLASS TYPE II

TABLE DIMENSIONS MAY BE UNIDENTICAL VERTICALLY OR HORIZONTALLY AS SHOWN



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As complying with the Florida Building Code
HVA-As: 23-3618.02
Expiration Date: 02/19/2029
By:
Miami-Dade Product Approval

F) NO CHANGES TO THIS SHEET
SB - 7/31/23

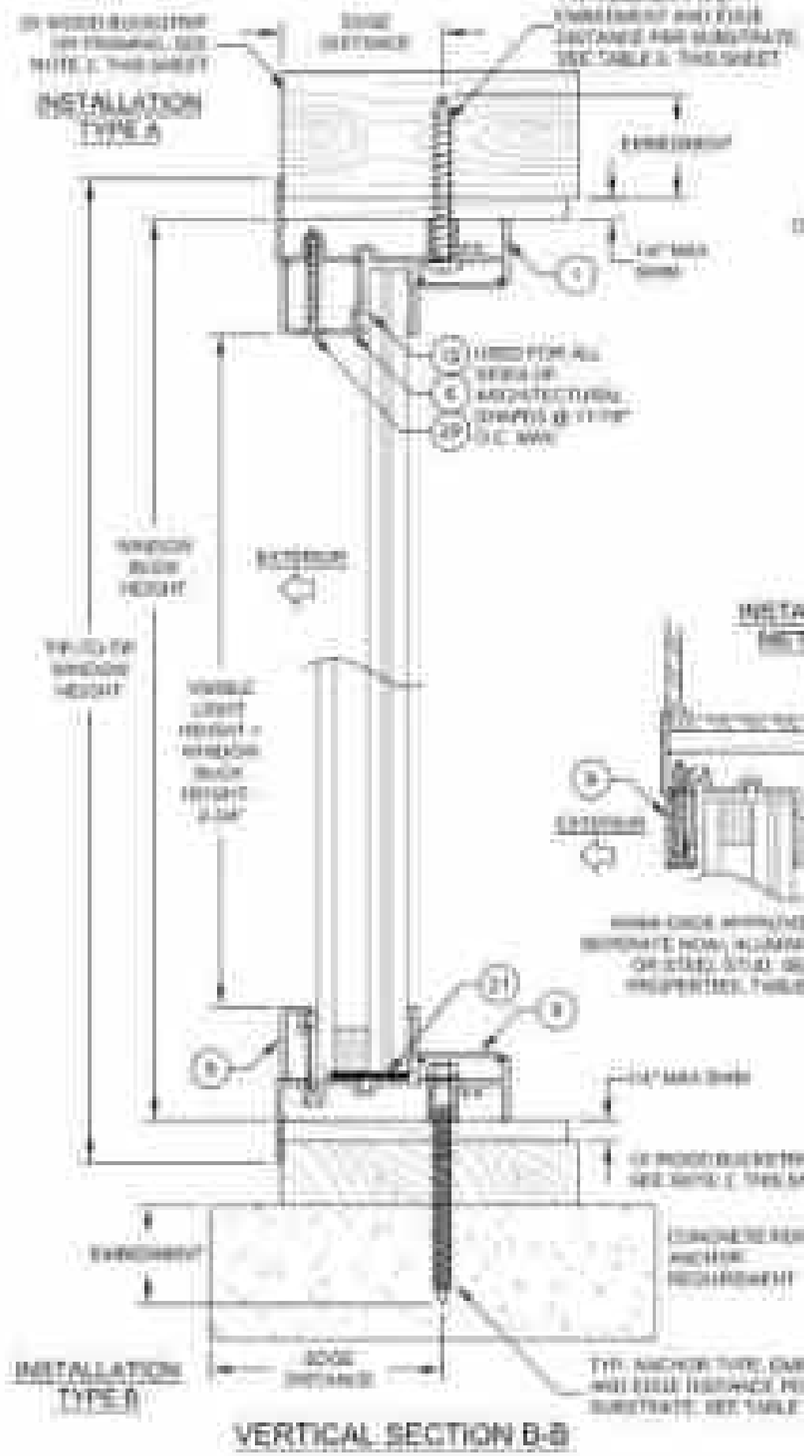
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1	F) NO CHANGES TO THIS SHEET	7/31/23

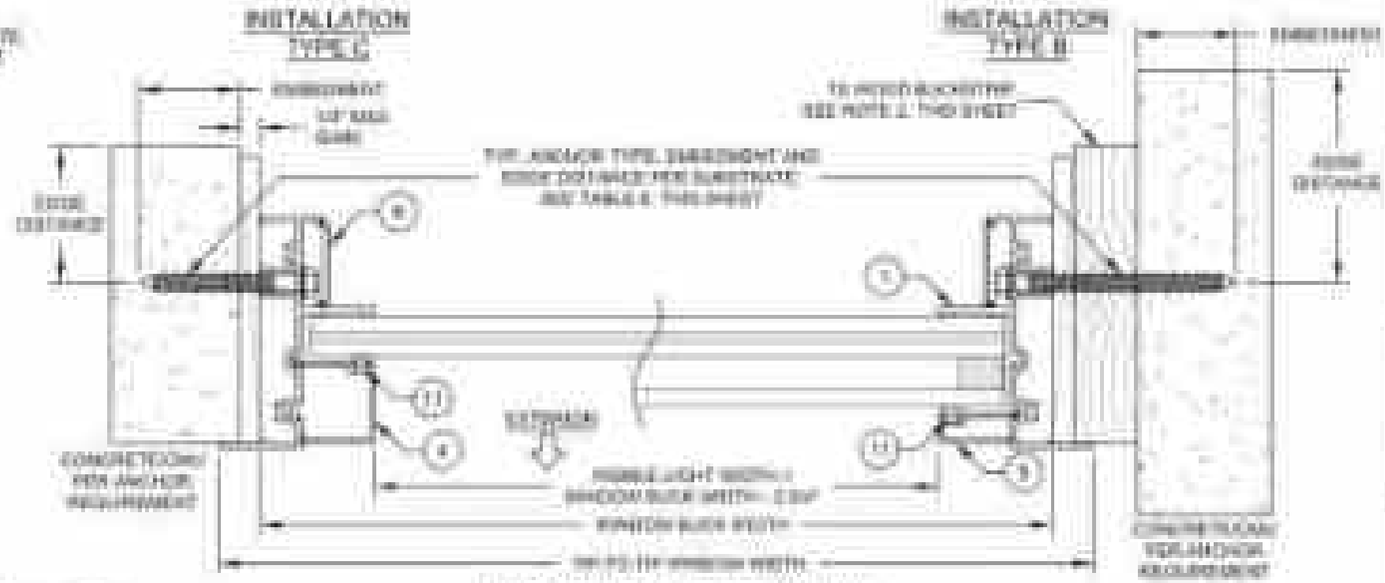
DESIGN PRESSURE TABLES
FIXED WINDOW INSTALLATION GUIDE

IGT

PW7068 | 6 OF 10

ANTHONY LYNN MILES
LICENSE
No. 78705
STATE OF
FLORIDA
PROFESSIONAL ENGINEER





HORIZONTAL SECTION A-A

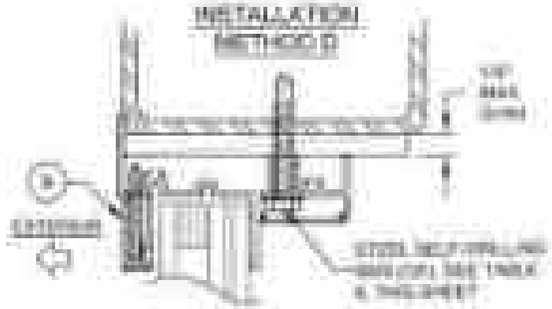


TABLE 5

Anchor	Substrate	Min. Edge Distance	Min. Embedment	Min. C.C. Spacing
#10 x #14 A.S.S.S. Screw	Stabilized Wood (SG=0.55)	3-1/2"	1-1/4"	16"
	Aluminum (6063-T5,T6)	3/4"	1-1/4"	16"
	Steel	3/4"	1-1/4"	16"
	Concrete (f'c=2,500 psi)	3-1/2"	1-1/4"	16"
#10 x 3-1/4" Wood Screw (SS)	Stabilized Wood (SG=0.55)	3-1/2"	1-1/4"	16"
	Aluminum (6063-T5,T6)	3/4"	1-1/4"	16"
	#18 Steel	3/4"	1-1/4"	16"
	Concrete (f'c=2,500 psi)	3-1/2"	1-1/4"	16"
1/4" x 3" Tapcon	Concrete (f'c=2,500 psi)	2-1/2"	1-1/4"	16"
3/16" x 3" Titen	Concrete (f'c=2,500 psi)	2-1/2"	1-1/4"	16"
5/16" x 3-1/4" Strong-Tie	Concrete (f'c=2,500 psi)	3-1/2"	1-1/4"	16"

1 MIN. OF 4 THREADS BEYOND THE METAL SUBSTRATE.
*UNPRINTED OUT VALUES MAY BE USED FOR INSULATED CMU APPLICATIONS.
ALL HEAD TYPES APPLICABLE.

INSTALLATION NOTES:

1. USE ONLY ANCHORS LISTED ON THIS SHEET FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS.

2. WOOD BUCKS DEPICTED ON THIS SHEET AS 12" ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1 1/2". 12" WOOD BUCKS ARE OPTIONAL IF UNIT CAN BE INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 12" ARE 1 1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY ENGINEER OF 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 ANY CABLE LOCKS DESIGN PRESSURE FROM OTHER VERSION OR MULLION MAY APPLIES TO WHOLE SYSTEM.

5. PLANSE CAULKS REMOVED WHOLLY TO CREATE EQUALLED FRAME SEAL EXPOSED EDGE.

Material	Min. F_y	Min. F_u
Steel Screw	100 ksi	120 ksi
304 Screw	90 ksi	90 ksi
410 Screw	80 ksi	100 ksi
1/4" Tapcon (Concrete)	150 ksi	194 ksi
#10 SS Screw (Steel Substrate)	100 ksi	120 ksi
#8 SS Screw	90 ksi	90 ksi
AISI 1018	54 ksi	64 ksi
AISI 1045	59 ksi	90 ksi
Ten 22 Steel Stud	50 ksi	65 ksi

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As complying with the Florida Building Code
NOA #: 23-0815.02
Expiration Date: 02/19/2029
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Miami-Dade Product Control

F) REMOVE 1/4" ULTRACORE. ADD NOTE 5. SB - 7/31/23

#	REVISIONS	DATE
1	F) REMOVE 1/4" ULTRACORE. ADD NOTE 5. SB - 7/31/23	7/31/23

PGT

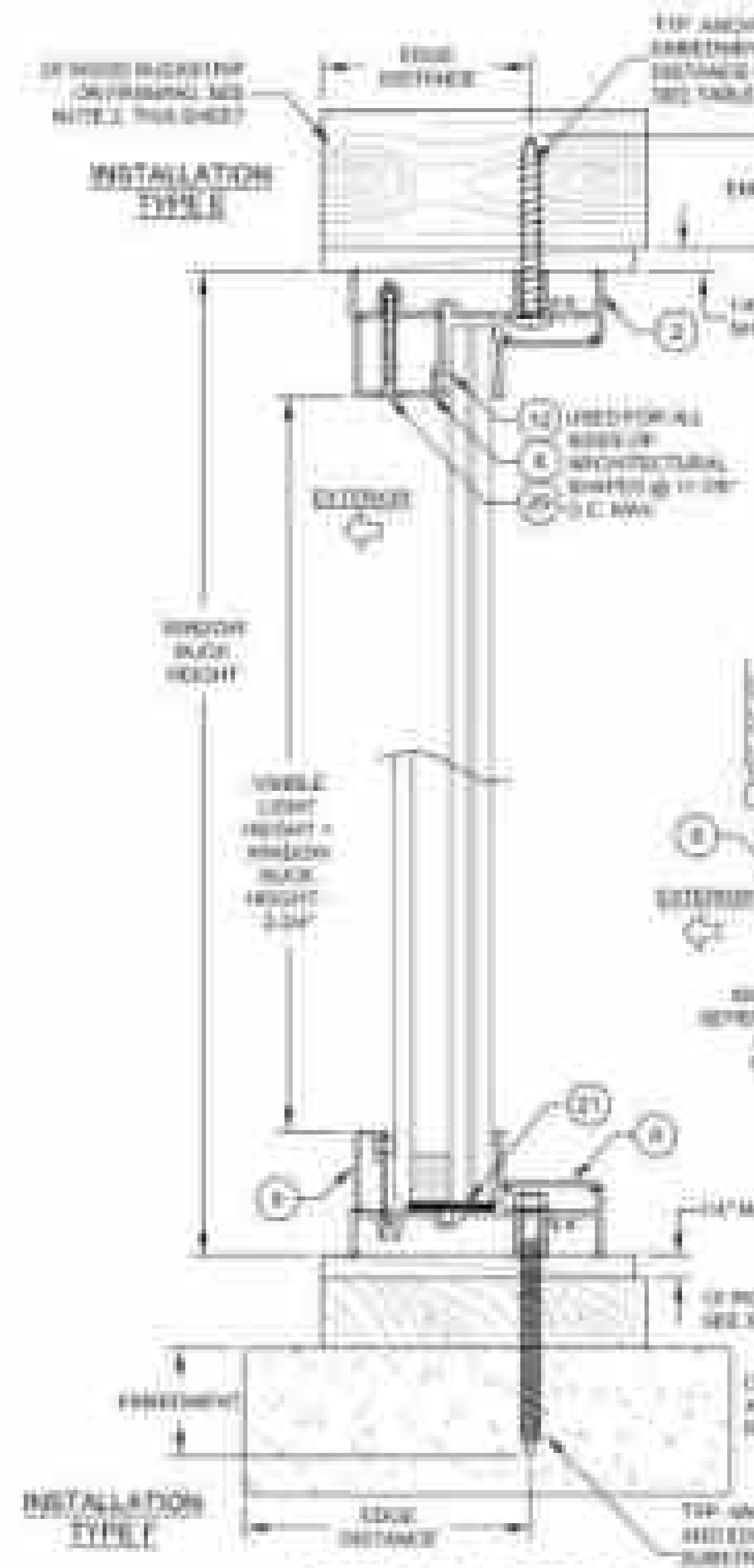
FIXED WINDOW INSTALLATION

FLANGE INSTALLATION

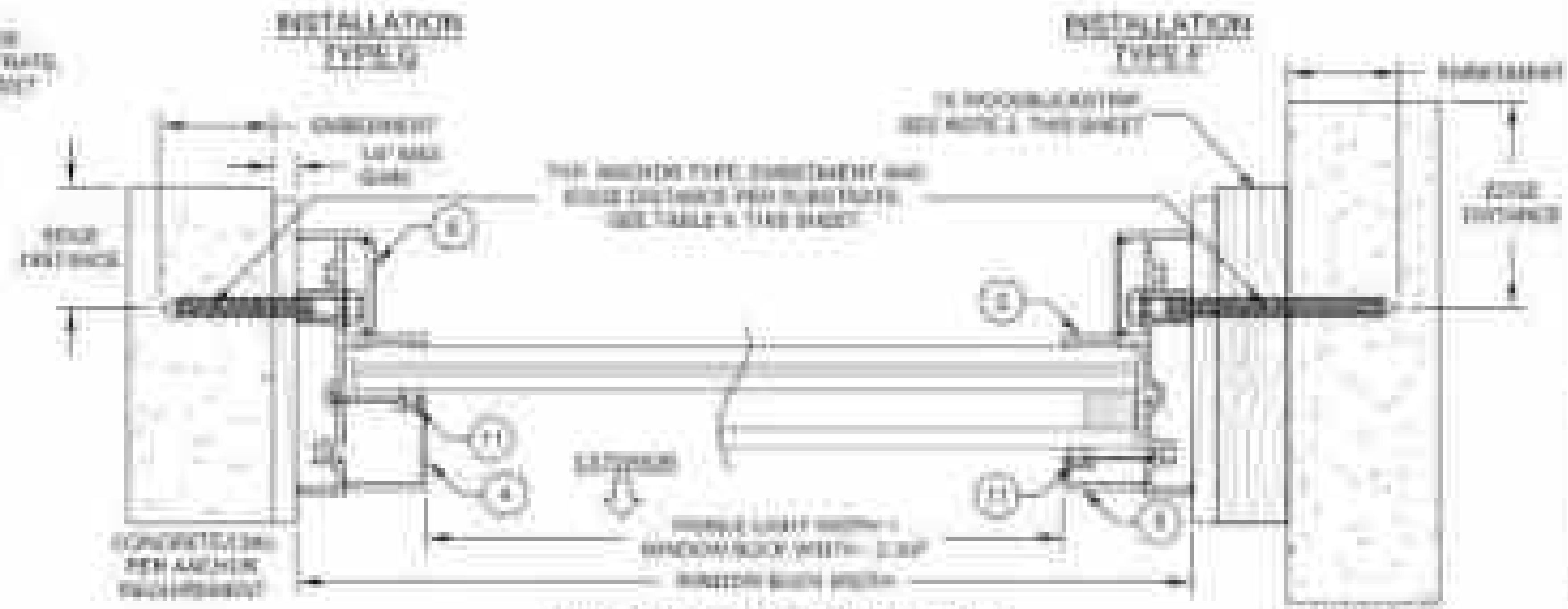
PW1720A

6 OF 15

ANTHONY LYNN MILLER
LICENSE
No. 68705
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A LYNN MILLER PE
P.E. # 68705



VERTICAL SECTION D-D



HORIZONTAL SECTION C-C

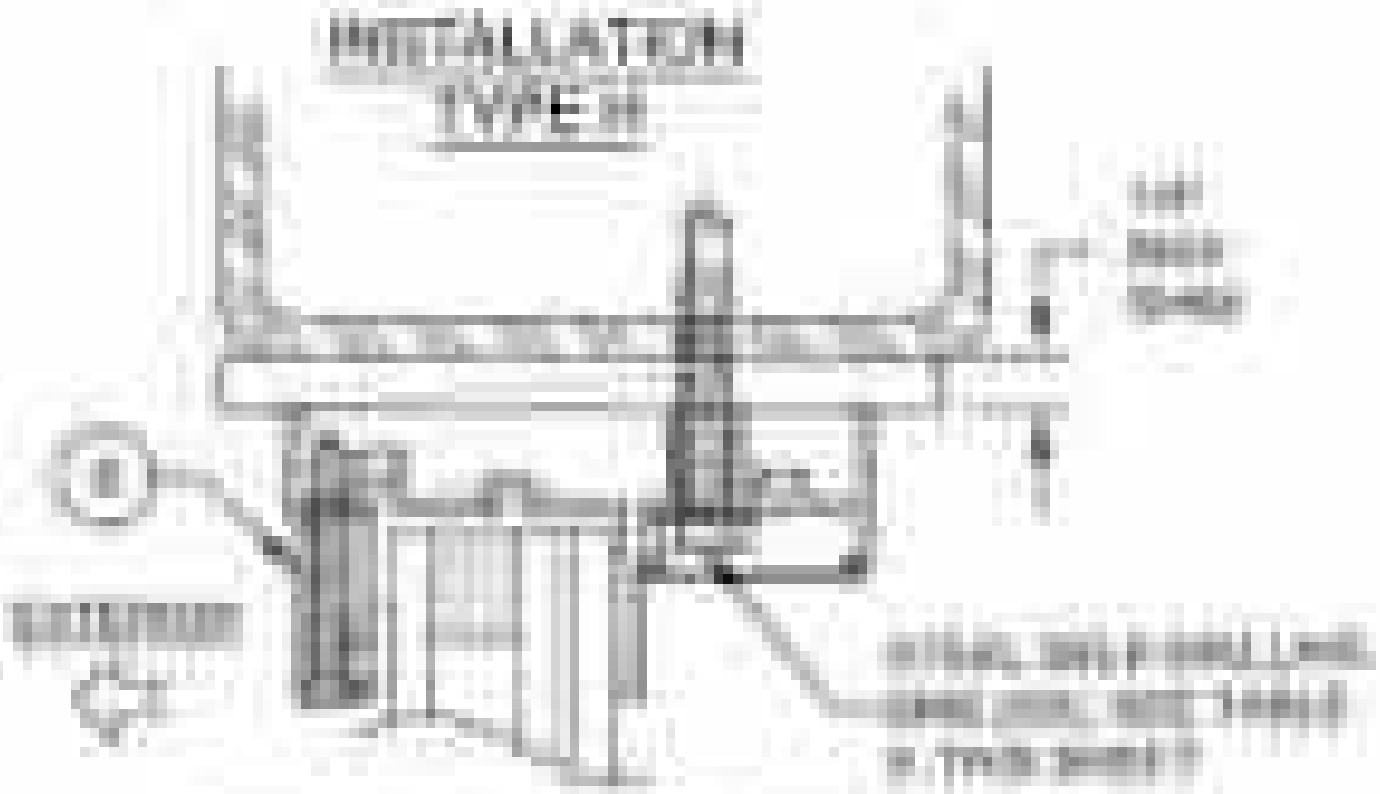


TABLE 8

Anchor	Substrate	Min. Edge Distance	Min. Embedment	Max O.C. Spacing
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	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]

* MIN. 3 THREADS BEYOND THE METAL SUBSTRATE.
"UNGROUTED ONLY" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
ALL HEAD TYPES APPLICABLE.

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.

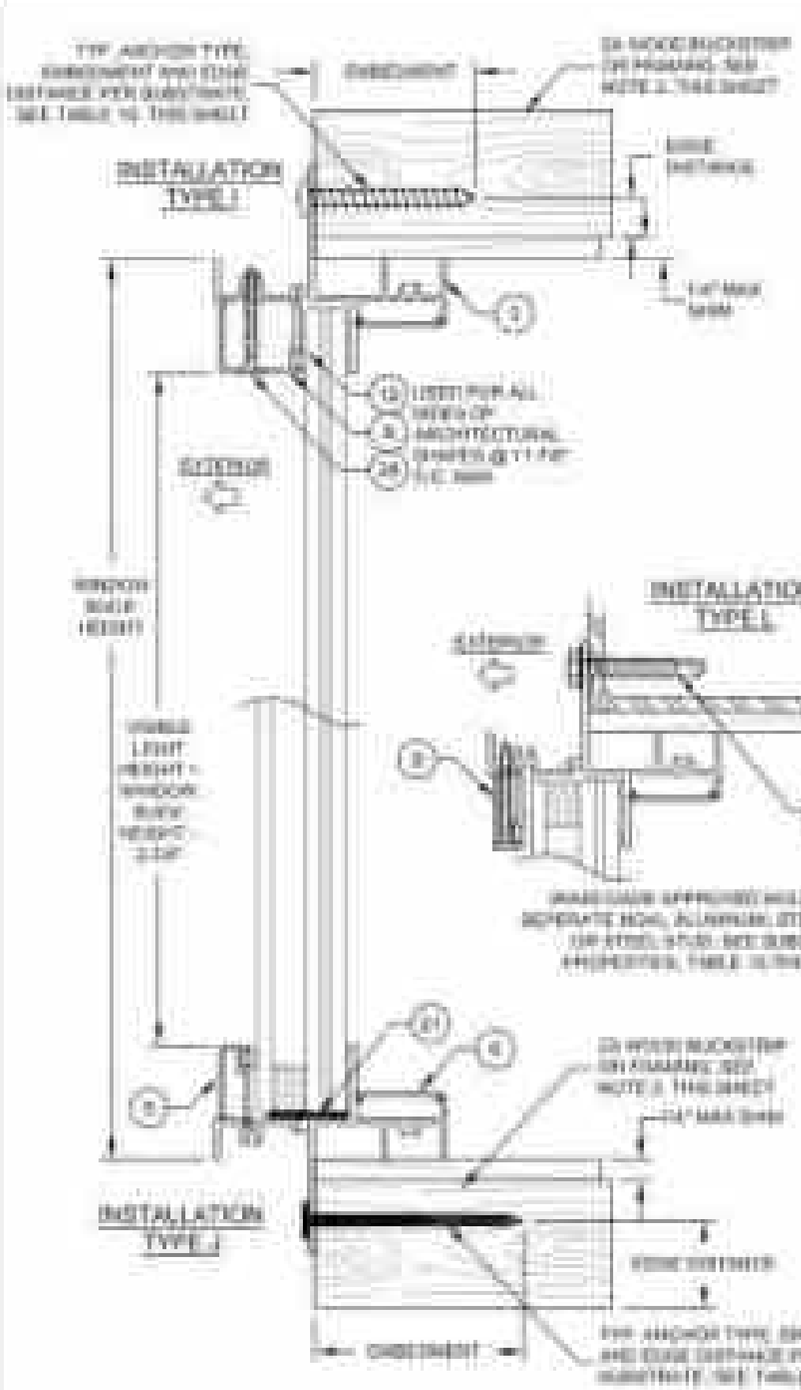
4. IF APPLICABLE, LOWER DESIGN PRESSURE FROM EITHER WINDOW OR MULLION NOA APPLIES TO WHOLE SYSTEM.

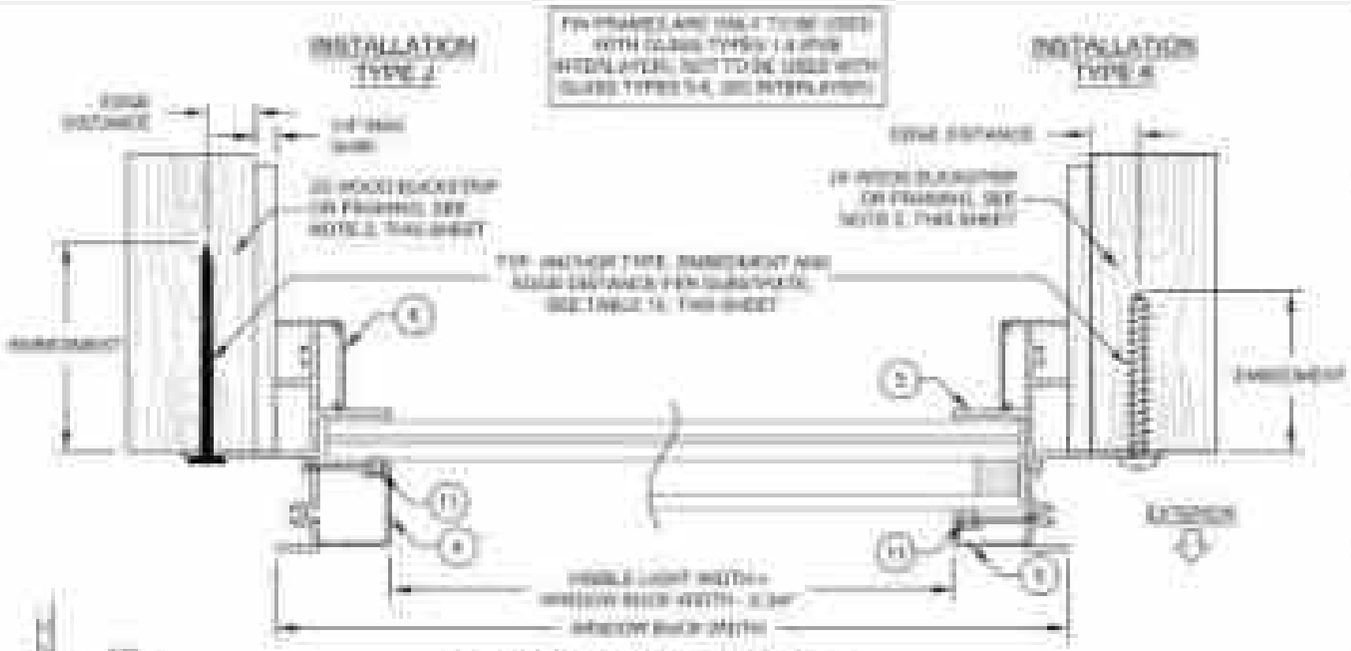
Material	Min. F_y	Min. F_u
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[illegible]	[illegible]	[illegible]

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NOA-No. 23-0818.02
Expiration Date 03/19/2029
By
Miami-Dade Product Control

PGT

FW7720A





Anchor	Substrate	Min. Edge Distance	Max. C-C Spacing
[illegible]	[illegible]	[illegible]	[illegible]

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Miami-Dade Product Control

IF NO CHANGES
THIS SHEET
08-73123

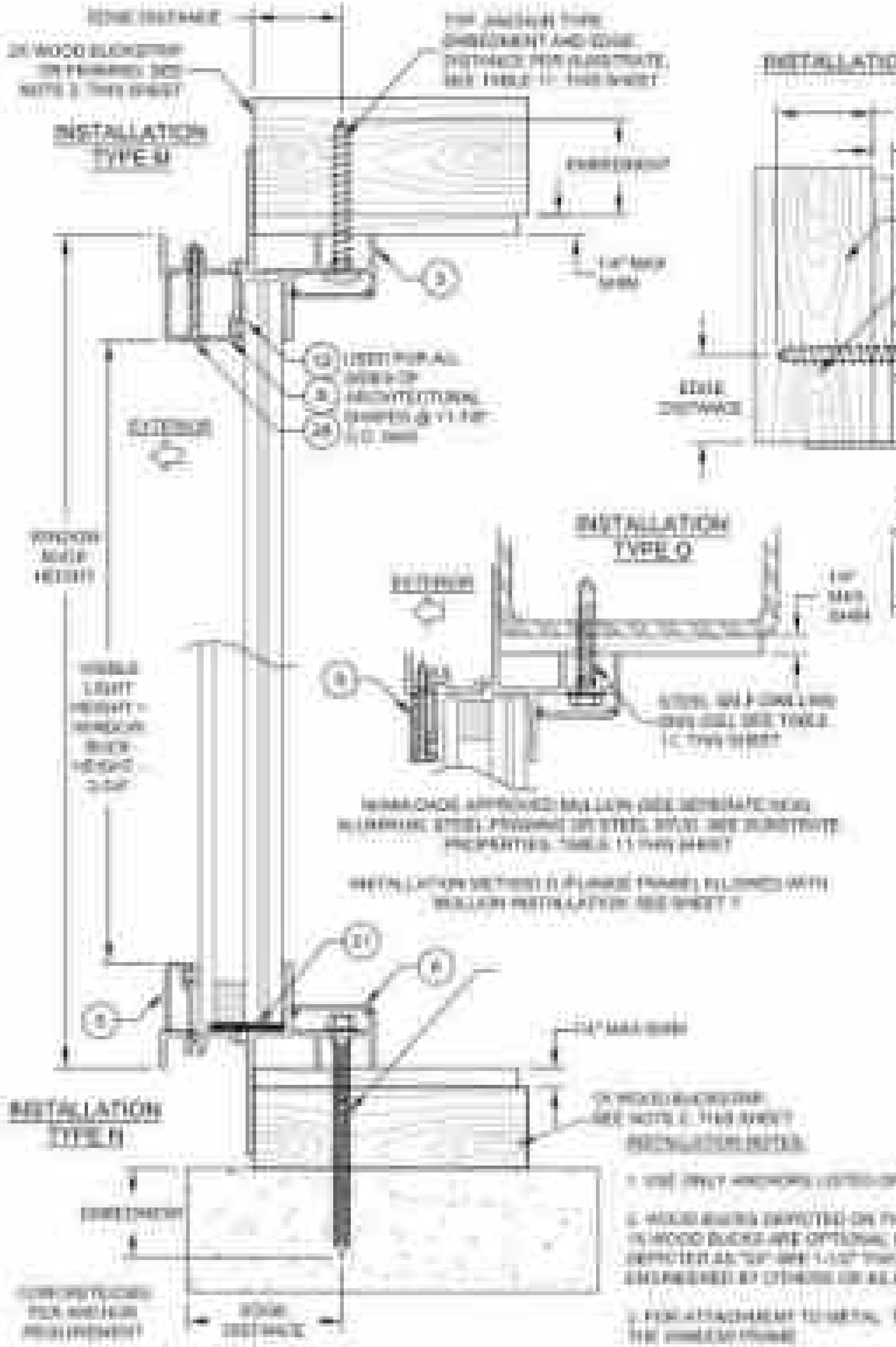
PGT

FIXED WINDOW INSTALLATION DETAILS

PW1720A

6 OF 10





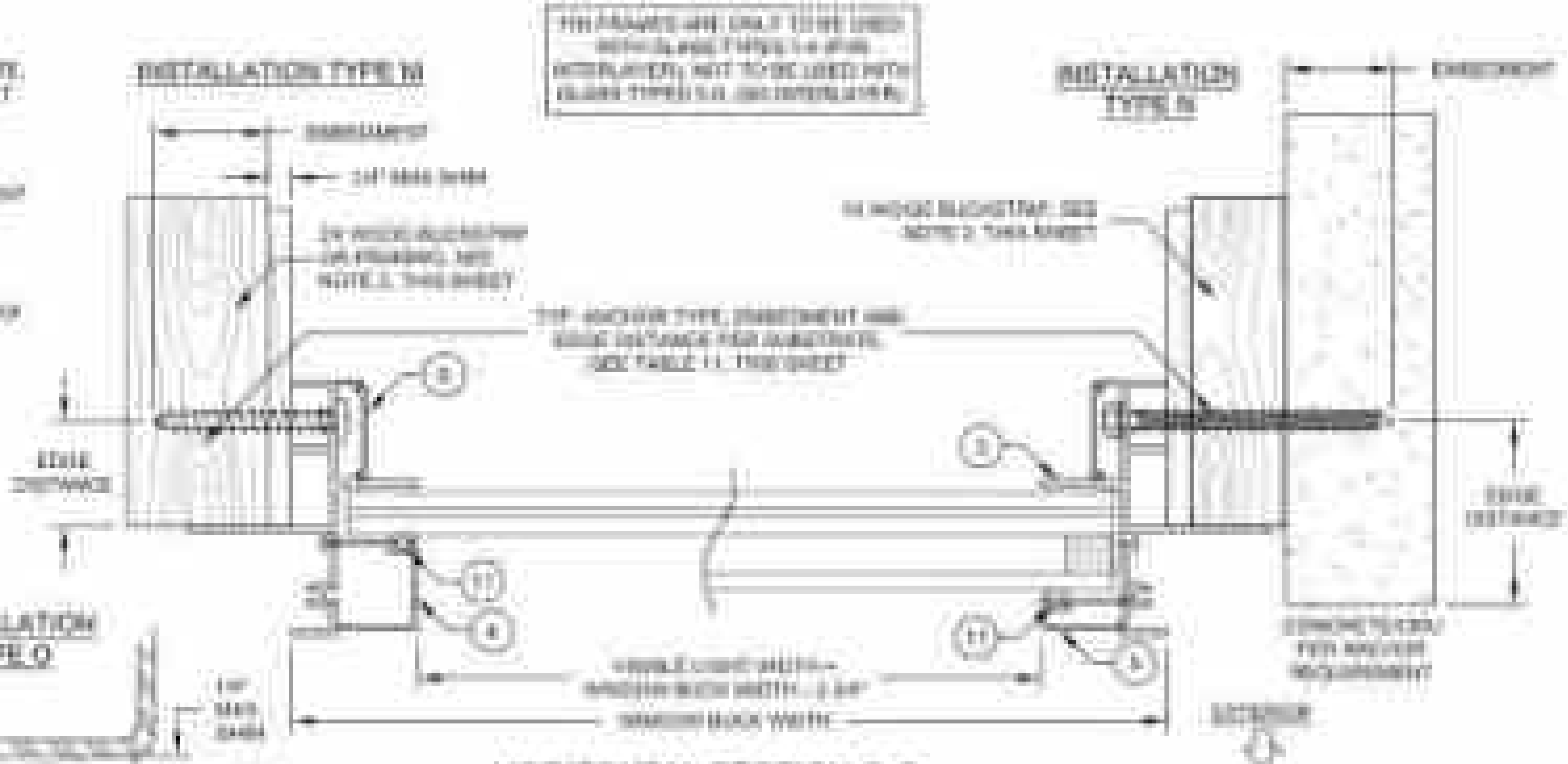


TABLE 11

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]

INSTALLATION NOTES:

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible]

[illegible]	[illegible]	[illegible]
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PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-0818.02
Expiration Date 02/19/2029
By
Miami-Dade Product Control

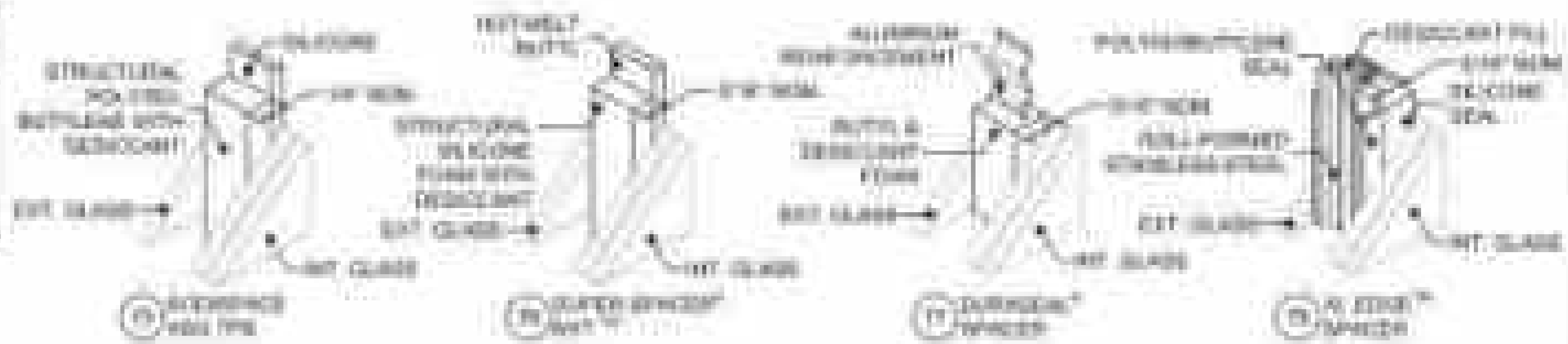
F | REMOVE 1/4" ULTRACONS
ADD NOTE 5. ADD NOTE FLANGE FRAME ALLOWED W/ FIN AT MULLION.
SB - 7/31/23

PGT

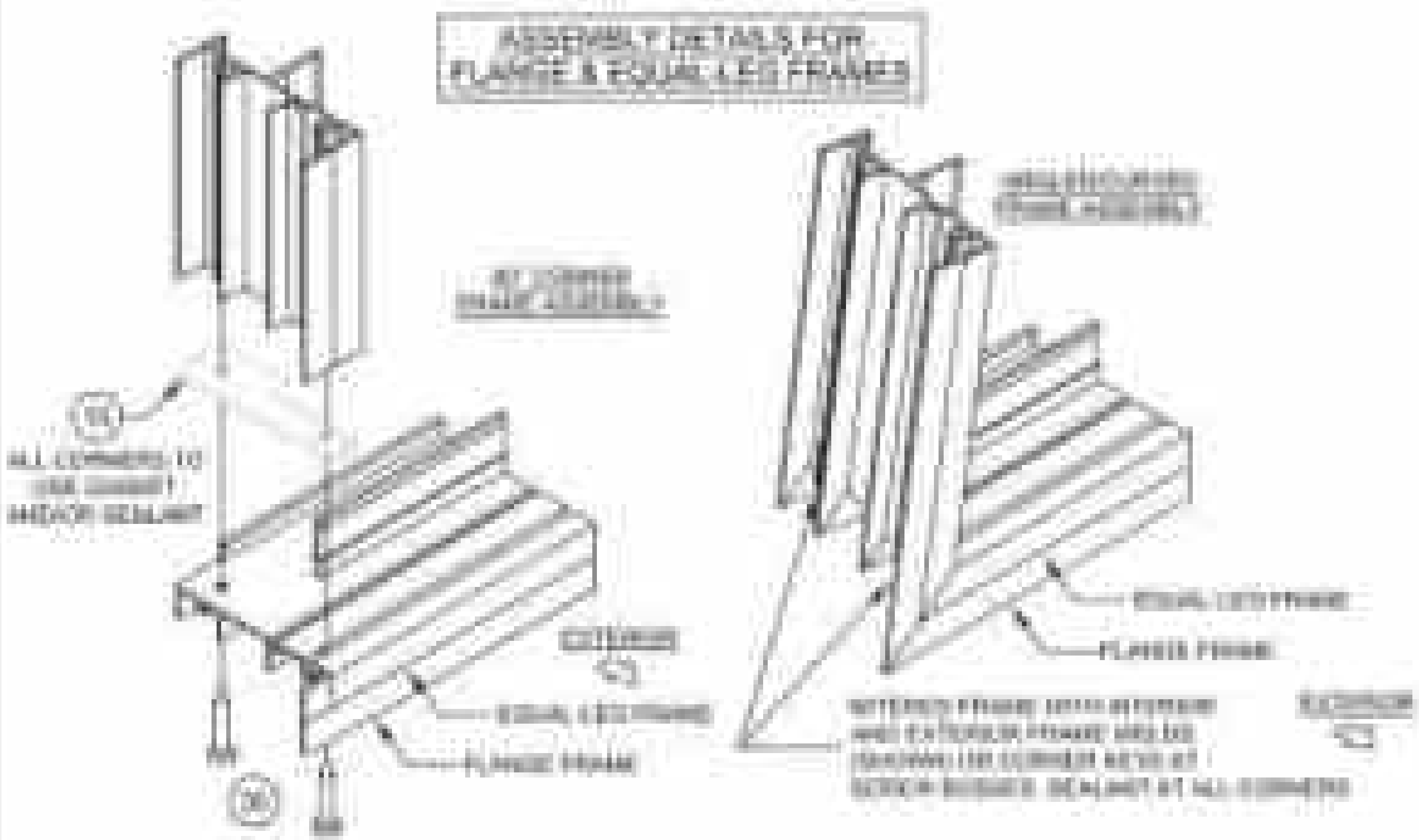
Item #	PGT Part #	Description	Material
1	42512	Flanged Frame	Alum. 6063-T5
2	4396	Equal Leg Frame	Alum. 6063-T5
3	4216	Integral Fin Frame	Alum. 6063-T5
4	4255	7/16" Lam. Glass Beading	Alum. 6063-T5
5	4256	I.G. Glass Beading	Alum. 6063-T5
6a	4270	Installation Fastener Cover	Alum. 6063-T5
6b	4273	Installation Fastener Cover	Rigid PVC
8	4257	7/16" Lam. Glass Beading for Curves	Alum. 6063-T5
9	4258	I.G. Beading for Curves	Alum. 6063-T5
10	1094SC	Gasket (at 90° corner joints)	Polyethylene
11	TP2479	Vinyl Bulb Weatherstrip	Flex PVC, Duro. 68 +/-5
12	613066	Frame Sealing Tape	
15	Dow 791,	795, 983, 995 or GE 7700 Backbedding	Silicone
20	7188LH	Setting Block, Mono. 3/8" x 7/16" x 4"	Neoprene, Duro. 85 +/-5
21	7170AH	Setting Block, I.G. 3/16" x 1-1/16" x 4"	Neoprene, Duro. 85 +/-5
29	PGS1187FH	#8 x 1-1/4" FH SMS (Curved Beading)	Stainless Steel
30	1874FO	#8 x 1" Oval PH SMS (Assembly)	Stainless Steel
75		Kommerling Koedispace 4SG TPS	See this Sheet for Materials
76		Quanex Super Spacer NXT	
77		Quanex Duralite Spacer	
78		Cardinal XL Edge Spacer	



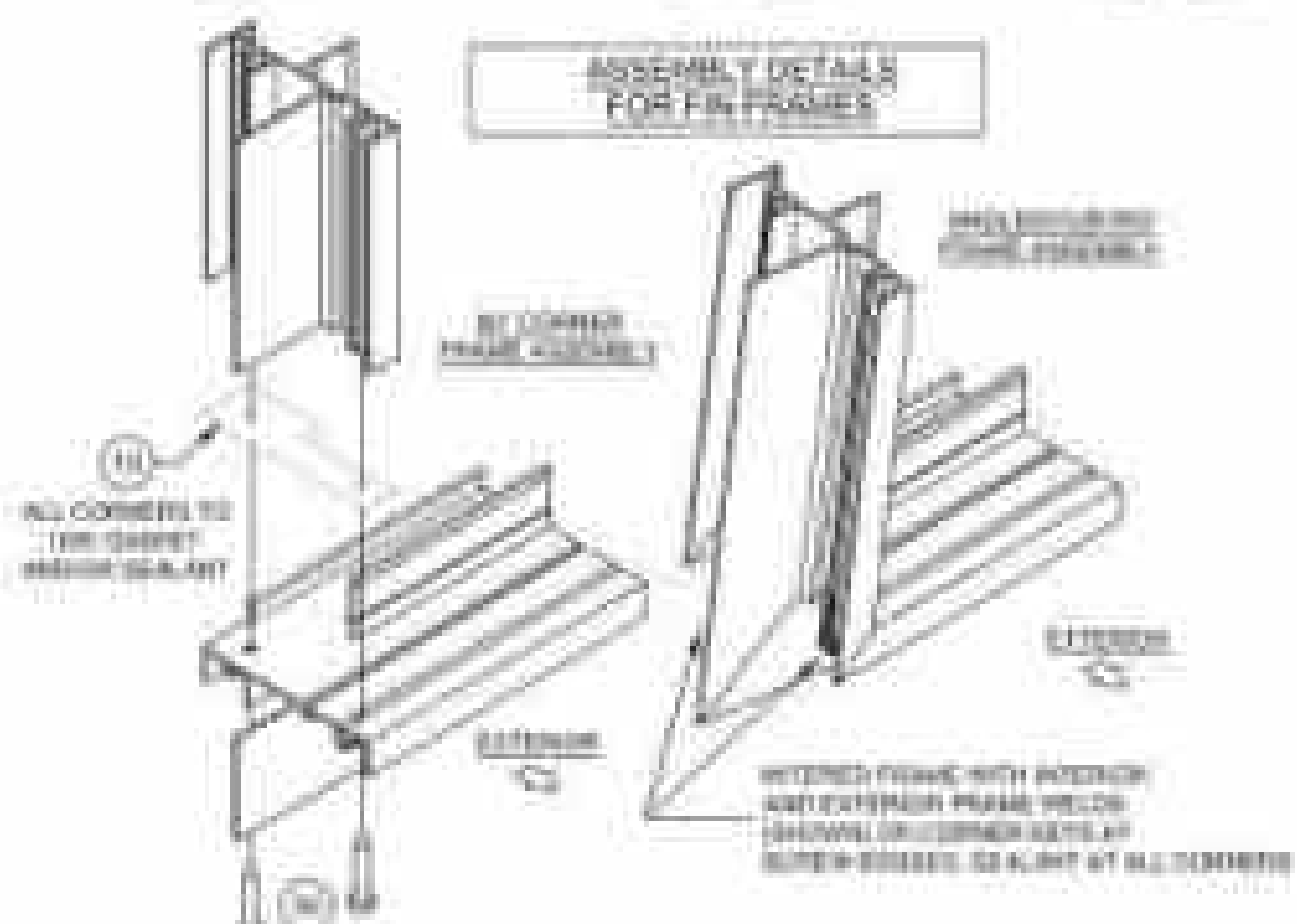




ASSEMBLY DETAILS FOR FLANGE & EQUAL LEG FRAMES



ASSEMBLY DETAILS FOR FIN FRAMES



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FL#40 CHANGES THIS SHEET
SB - 7/31/23

PGT
FIXED WINDOW INSTALLATION GUIDELINES 8040 EXTRUSIONS AND CORNERS
FW7720A
MD-7720A
16 OF 16

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