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

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

NOTICE OF ACCEPTANCE (NOA)

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 "SH7700A" Aluminum Single Hung Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **7700NOA-1**, titled "Aluminum Single Hung Install (LM)", sheets 1 through 11 of 11, dated 04/01/18, with revision A dated 03/11/20, 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 NOA # 18-0430.06** and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**

MIAMI-DADE COUNTY APPROVED

NOA No. 20-0401.11
Expiration Date: August 23, 2023
Approval Date: July 30, 2020

PGT Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Submitted under NOA # 18-0430.06

A. DRAWINGS

1. Manufacturer's die drawings and sections.

2. Drawing No. **7700NOA-1**, titled "Aluminum Single Hung Install (LM), sheets 1 through 11 of 11, dated 04/01/18, 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 single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-18-7835.1**, dated 04/03/18, signed and sealed by Idalmis Ortega, 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
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
window, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-18-7835.2**, dated 05/04/18, signed and sealed by Idalmis Ortega, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 6th Edition (2017)**, dated 04/23/18, 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).

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 20-0401.11
Expiration Date: August 23, 2023
Approval Date: July 30, 2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-1114.14** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 01/18/18, expiring on 07/08/19.
2. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their **"SentryGlas® (Clear and White) Glass Interlayers**" dated 12/28/17, expiring on 07/04/23**.**

F. STATEMENTS

1. Statement letter of conformance to **FBC 6th Edition (2017)**, dated April 24, 2018, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated April 24, 2018, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
3. Proposal No. **18-0005R** issued by the Product Control Section, dated 01/16/18, signed by Manuel Perez, P.E

G. OTHERS

1. None.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 20-0401.11
Expiration Date: August 23, 2023
Approval Date: July 30, 2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. New Evidence Submitted

A. DRAWINGS

1. Manufacturer's die drawings and sections.

2. Drawing No. **7700NOA-1**, titled "Aluminum Single Hung Install (LM)", sheets 1 through 11 of 11, dated 04/01/18, with revision A dated 03/11/20, 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 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

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 6th Edition *(*2017)** and **FBC 7th Edition *(*2020)**, dated 03/13/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 20-0401.11
Expiration Date: August 23, 2023
Approval Date: July 30, 2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)** and **FBC 7th Edition (2020)**, dated March 10, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated March 10, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
3. Proposal No. **19-1155 TP** issued by the Product Control Section, dated January 10, 2020, signed by Ishaq Chanda, P.E.

G. OTHERS

1. Notice of Acceptance No. **18-0430.06** issued to PGT Industries, Inc. for their "Series "SH7700A" Aluminum Single Hung Window – L.M.I." approved on 08/23/18 and expiring on 08/23/23.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 20-0401.11
Expiration Date: August 23, 2023
Approval Date: July 30, 2020

SERIES SH7700A IMPACT RESISTANT SINGLE HUNG 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 BE TEMPERED, USE ONLY GLASS TYPES 3, 7, 12, 13 OR 15 .

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 AND SECURED 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 LENGTH TO ACHIEVE REQUIRED MIN. EMBEDMENT. 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) 1/4" MAX. SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS.

7) DESIGN PRESSURES:
A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL & CYCLE TESTING AND GLASS PER ASTM E1300.
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL & CYCLE TESTING AND GLASS PER ASTM E1300.
C. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.

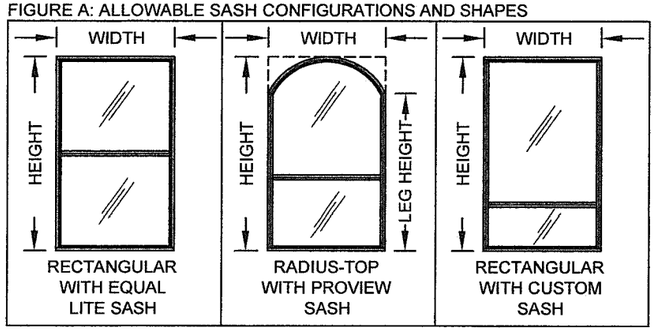
8) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT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

9) METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

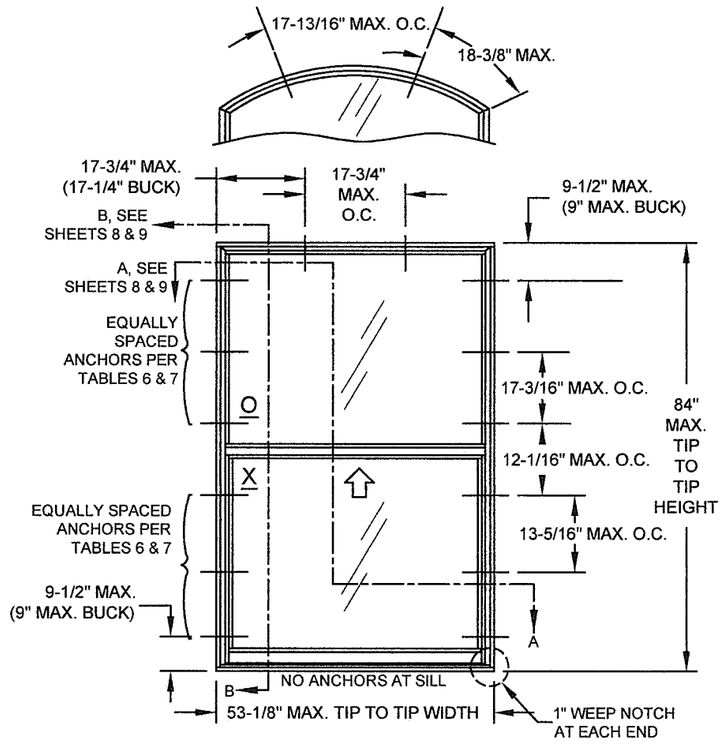
10) REFERENCES: TEST REPORTS FTL 18-7835.1 & 18-7835.2; ELCO ULTRACON NOA; DEWALT/ELCO CRETEFLEX NOA; DEWALT ULTRACON + NOA; NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, ANSI/AF&PA NDS & ALUMINUM DESIGN MANUAL

11) APPLICABLE EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.

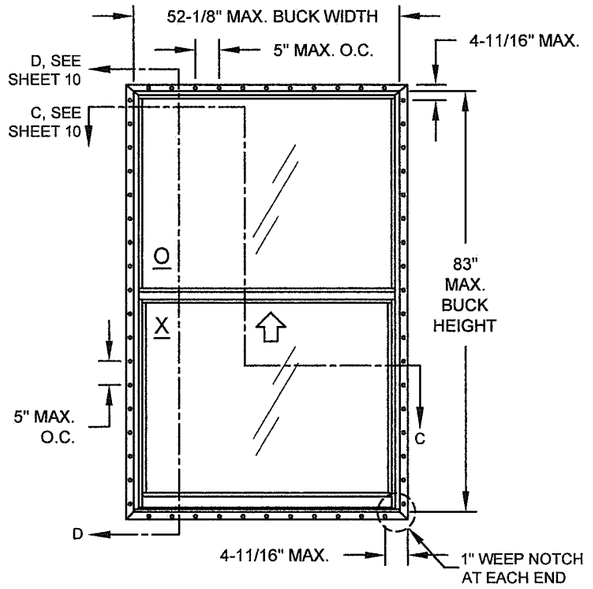
FIGURE A: ALLOWABLE SASH CONFIGURATIONS AND SHAPES



ALL SHAPES WITH ALL SASH CONFIGURATIONS ARE APPROVED. SHAPES MAY BE USED BY INSCRIBING THE SHAPE IN A BLOCK AND OBTAINING DESIGN PRESSURES AND ANCHORAGE FOR THAT BLOCK SIZE FROM THE TABLES ON THE FOLLOWING SHEETS.



ELEVATION FOR TYP. FLANGE FRAME SHOWN WITH EQUAL-LITE CONFIGURATION



ELEVATION FOR TYP. FIN FRAME SHOWN WITH EQUAL-LITE CONFIGURATION

DESIGN PRESSURE RATING	IMPACT RATING
VARIES PER GLASS TYPE, SEE SHEETS 2-5	LARGE & SMALL MISSILE IMPACT RESISTANT

TABLE 1: ALLOWABLE GLASS TYPES

Glass Type	Description (Listed from Exterior to Interior)	DP Table #
1	1/8"AN, .090" PVB, 1/8" AN	2
2	13/16" LIG: 1/8" AN CAP, AIRSPACE, 1/8" AN, .090" PVB, 1/8" AN	2
3	13/16" LIG: 1/8" TP CAP, AIRSPACE, 1/8" AN, .090" PVB, 1/8" AN	3
4	1/8" HS, .090" PVB, 1/8" HS	4
5	3/16" AN, .090" PVB, 3/16" AN	4
6	13/16" LIG: 3/16" AN CAP, AIRSPACE, 1/8" AN, .090" PVB, 1/8" AN	4
7	13/16" LIG: 3/16" TP CAP, AIRSPACE, 1/8" AN, .090" PVB, 1/8" AN	4
8	3/16" AN, .090" SG, 3/16" AN	5
9	3/16" HS, .090" SG, 3/16" HS	5
10	13/16" LIG: 1/8" AN CAP, AIRSPACE, 1/8" HS, .090" SG, 1/8" HS	5
11	13/16" LIG: 1/8" AN CAP, AIRSPACE, 3/16" AN, .090" SG, 3/16" AN	5
12	13/16" LIG: 1/8" TP CAP, AIRSPACE, 1/8" HS, .090" SG, 1/8" HS	5
13	13/16" LIG: 1/8" TP CAP, AIRSPACE, 3/16" AN, .090" SG, 3/16" AN	5
14	13/16" LIG: 3/16" AN CAP , AIRSPACE, 1/8" HS, .090" SG, 1/8" HS	5
15	13/16" LIG: 3/16" TP CAP, AIRSPACE, 1/8" HS, .090" SG, 1/8" HS	5

USER INSTRUCTIONS:

1) DETERMINE THE SITE SPECIFIC, WINDOW OPENING'S DESIGN PRESSURE REQUIREMENT FROM ASCE 7.

2) KNOWING YOUR GLAZING OPTION (TABLE 1), WINDOW CONFIGURATION AND SIZE, DETERMINE YOUR WINDOW'S DESIGN PRESSURE FROM TABLES 2-5. IT MUST EQUAL OR EXCEED THE DESIGN PRESSURE REQUIREMENT FOR THE WINDOW OPENING OBTAINED IN STEP 1.

3) DETERMINE THE ANCHOR QUANTITY FROM TABLES 6 & 7.

4) INSTALL AS PER SHEET 7 FOR FLANGE INSTALLATION, SHEET 8 FOR EQUAL LEG INSTALLATION OR SHEET 9 FOR INTEGRAL FIN INSTALLATION.

NOTE:DESIGN PRESSURE RATING DETERMINATION IS THE SAME PROCESS FOR ALL FRAME TYPES (FLANGE, INTEGRAL FIN OR EQUAL LEG/BOX).

CODES / STANDARDS USED:

- 2020 FLORIDA BUILDING CODE (FBC), 7TH EDITION
- 2017 FLORIDA BUILDING CODE (FBC), 6TH EDITION
- ASTM E1300-09
- ANSI/AF&PA NDS-2018 FOR WOOD CONSTRUCTION
- ALUMINUM DESIGN MANUAL, ADM-2015
- AISI S100-16
- AISC 360-16

SG= KURARAY SENTRYGLAS® INTERLAYER BY KURARAY AMERICA, INC.
PVB = KURARAY TROSIFOL® PVB INTERLAYER BY KURARAY AMERICA, INC.
AN = ANNEALED
HS = HEAT-STRENGTHENED
TP = TEMPERED

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 20-0401.11
Expiration Date 08/23/2023
By _____
Miami–Dade Product Control

Revision:
A) UPDATED TO FBC 2020, REVISED ANCHOR TYPE TABLE.
JR - 03/11/20

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

Series	Desc.	Title
SH7700A	GENERAL NOTES & ELEVATION	ALUMINUM SINGLE HUNG INSTALL. (LM)

Sheet	DWG No.	Drawn By	Date	Rev.
1 OF 11	7700NOA-1	JENS ROSOWSKI	04/01/18	A

REGISTRATION #29296

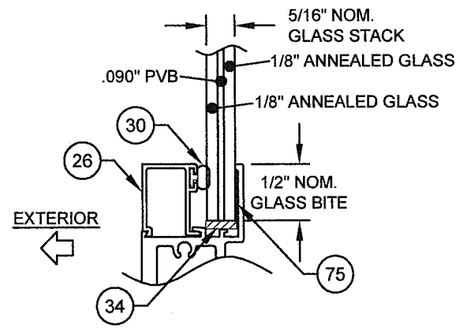
ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
3/13/20
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 2:

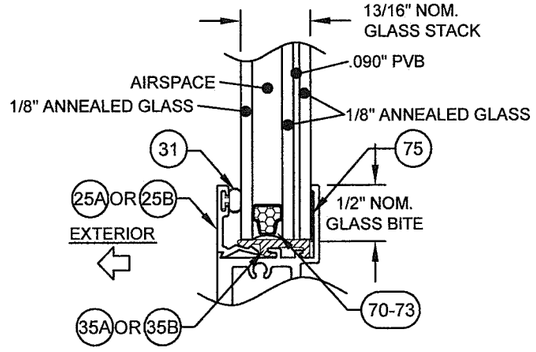
Tip to Tip Height	Bottom Sash Description for Given Range	Sash Height Range (in)	Design Pressure (lbs/ft²) for Glass Types 1 & 2 — Tip to Tip Width: 18"		25"		33"		37"		41"		45"		49"		53-1/8"	
24"	Equal-lite	12.464	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
31"	Equal-lite	15.964	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Standard Proview	12.994 - 15.963	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Shortest	12.464 - 12.993	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
38-3/8"	Equal-lite	19.652	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Standard Proview	15.944 - 19.651	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	15.131 - 15.943	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	14.131 - 15.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Shortest	12.464 - 14.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
45"	Equal-lite	22.964	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	20.131 - 22.963	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Standard Proview	18.594 - 20.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	16.131 - 18.593	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	15.131 - 16.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	14.131 - 15.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Shortest	12.464 - 14.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
49"	Equal-lite	24.964	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	22.131 - 24.963	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Standard Proview	20.194 - 22.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	18.131 - 20.193	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	16.131 - 18.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	14.131 - 16.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-77.6
	Shortest	12.464 - 14.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-75.1
50-5/8"	Equal-lite	25.777	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	24.131 - 25.776	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Standard Proview	20.844 - 24.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	20.131 - 20.843	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	18.131 - 20.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	16.131 - 18.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-77.6
	Custom Size	14.131 - 16.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-75.1
	Shortest	12.464 - 14.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-73.9
63"	Equal-lite	31.964	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	28.131 - 31.963	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-77.6
	Standard Proview	25.794 - 28.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-73.9
	Custom Size	24.131 - 25.793	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-72.7
	Custom Size	22.131 - 24.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-78.8	+65.0	-70.5
	Custom Size	20.131 - 22.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-77.1	+65.0	-68.4
	Custom Size	18.131 - 20.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-75.4	+65.0	-66.5
	Custom Size	16.131 - 18.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-77.1	+65.0	-73.8	+64.7	-64.7
	Shortest	13.194* - 16.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-75.9	+65.0	-71.8	+65.0	-68.2	+62.3	-62.3
76"	Equal-lite	38.464	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-73.9
	Custom Size	36.131 - 38.463	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-79.8	+65.0	-71.6
	Custom Size	34.131 - 36.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-77.9	+65.0	-69.4
	Standard Proview	30.994 - 34.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-75.4	+65.0	-66.5
	Custom Size	30.131 - 30.993	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-78.9	+65.0	-74.6	+65.0	-65.6
	Custom Size	28.131 - 30.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-79.1	+65.0	-75.3	+65.0	-71.9	+63.8	-63.8
	Shortest	26.194* - 28.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-75.9	+65.0	-71.8	+65.0	-68.2	+62.3	-62.3
84"	Equal-lite	42.464	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-77.9	+65.0	-69.4
	Custom Size	38.131 - 42.463	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-78.9	+65.0	-74.6	+65.0	-65.6
	Standard Proview	34.194* - 38.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-75.9	+65.0	-71.8	+65.0	-68.2	+62.3	-62.3

* MINIMUM SASH HEIGHT FOR FLANGED WINDOWS IS: TIP TO TIP HEIGHT - 49.391
MINIMUM SASH HEIGHT FOR INTEGRAL FIN AND EQUAL LEG WINDOWS IS: BUCK HEIGHT - 48.391
MINIMUM SASH HEIGHT FOR FLANGED, RADIUS TOP WINDOWS IS: TIP TO TIP HEIGHT - 49.806
MINIMUM SASH HEIGHT FOR INTEGRAL FIN AND EQUAL LEG, RADIUS TOP WINDOWS IS: BUCK HEIGHT - 48.806

1) TIP TO TIP DIMENSIONS SHOWN. FOR INTEGRAL FIN 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 SIZE.
3) FOR RADIUS TOP WINDOWS, FIND THE SMALLEST WINDOW SIZE IN THE TABLE ABOVE WHICH THE RADIUS TOP WINDOW WILL COMPLETELY FIT WITHIN.
4) WINDOWS WITH THE LOW SILL OPTION ARE LIMITED TO A MAXIMUM POSITIVE DESIGN PRESSURE OF +65 PSF. NEGATIVE DESIGN PRESSURES ARE UNAFFECTED.



GLASS TYPE 1



GLASS TYPE 2

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 20-0401.11
Expiration Date 08/23/2023
By
Miami–Dade Product Control

Revision:
A) NO CHANGES THIS SHEET.

JR - 03/11/20

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

PGT® REGISTRATION #29296

Title	Desc.	Series
ALUMINUM SINGLE HUNG INSTALL. (LM)	DP TABLE	SH7700A

Date	Drawn By	DWG No.	Sheet	Rev.
04/01/18	JENS ROSOWSKI	7700NOA-1	2 OF 11	A

ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
3/13/20

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

TABLE 3:

Tip to Tip Height	Bottom Sash Description for Given Range	Sash Height Range (in)	Design Pressure (lbs/ft²) for Glass Type 3 — Tip to Tip Width: 18"		25"		33"		37"		41"		45"		49"		53-1/8"	
24"	Equal-lite	12.464	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
31"	Equal-lite	15.964	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Standard Proview	12.994 - 15.963	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Shortest	12.464 - 12.993	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
38-3/8"	Equal-lite	19.652	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Standard Proview	15.944 - 19.651	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	15.131 - 15.943	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	14.131 - 15.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Shortest	12.464 - 14.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
45"	Equal-lite	22.964	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	20.131 - 22.963	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Standard Proview	18.594 - 20.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	16.131 - 18.593	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	15.131 - 16.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	14.131 - 15.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Shortest	12.464 - 14.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
49"	Equal-lite	24.964	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	22.131 - 24.963	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Standard Proview	20.194 - 22.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	18.131 - 20.193	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	16.131 - 18.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	14.131 - 16.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Shortest	12.464 - 14.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
50-5/8"	Equal-lite	25.777	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	24.131 - 25.776	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Standard Proview	20.844 - 24.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	20.131 - 20.843	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	18.131 - 20.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	16.131 - 18.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	14.131 - 16.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Shortest	12.464 - 14.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
63"	Equal-lite	31.964	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	28.131 - 31.963	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Standard Proview	25.794 - 28.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	24.131 - 25.793	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	22.131 - 24.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	20.131 - 22.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-78.0
	Custom Size	18.131 - 20.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-75.8
	Custom Size	16.131 - 18.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-73.8
	Shortest	13.194* - 16.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-77.7	+65.0	-71.0
76"	Equal-lite	38.464	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	36.131 - 38.463	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0
	Custom Size	34.131 - 36.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-79.1
	Standard Proview	30.994 - 34.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-75.8
	Custom Size	30.131 - 30.993	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-74.8
	Custom Size	28.131 - 30.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-72.7
	Shortest	26.194* - 28.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-77.7	+65.0	-71.0
84"	Equal-lite	42.464	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-79.1
	Custom Size	38.131 - 42.463	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-74.8
	Standard Proview	34.194* - 38.130	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-80.0	+65.0	-77.7	+65.0	-71.0

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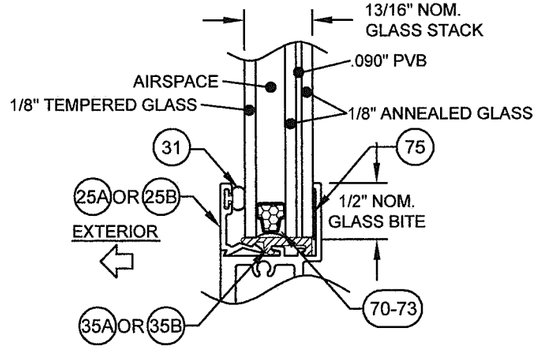
MINIMUM SASH HEIGHT FOR INTEGRAL FIN AND EQUAL LEG WINDOWS IS: BUCK HEIGHT - 48.391
MINIMUM SASH HEIGHT FOR FLANGED, RADIUS TOP WINDOWS IS: TIP TO TIP HEIGHT - 49.806
MINIMUM SASH HEIGHT FOR INTEGRAL FIN AND EQUAL LEG, RADIUS TOP WINDOWS IS: BUCK HEIGHT - 48.806

1) TIP TO TIP DIMENSIONS SHOWN. FOR INTEGRAL FIN 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 SIZE.
3) FOR RADIUS TOP WINDOWS, FIND THE SMALLEST WINDOW SIZE IN THE TABLE ABOVE WHICH THE RADIUS TOP WINDOW WILL COMPLETELY FIT WITHIN.
4) WINDOWS WITH THE LOW SILL OPTION ARE LIMITED TO A MAXIMUM POSITIVE DESIGN PRESSURE OF +65 PSF. NEGATIVE DESIGN PRESSURES ARE UNAFFECTED.



GLASS TYPE 3

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 20-0401.11
Expiration Date 08/23/2023
By
Miami–Dade Product Control

Revision:
A) NO CHANGES THIS SHEET.

JR - 03/11/20

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

PGT® REGISTRATION #29296

Title	Desc.	Series
ALUMINUM SINGLE HUNG INSTALL. (LM)	DP TABLE	SH7700A

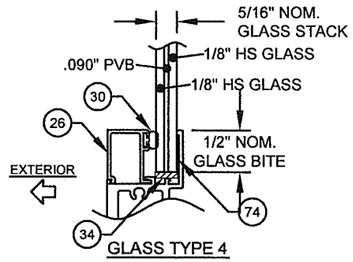
Date	Drawn By	DWG No.	Sheet	Rev.
04/01/18	JENS ROSOWSKI	7700NOA-1	3 OF 11	A

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
5/13/20

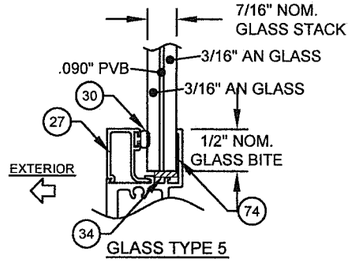
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 4:

Design Pressure (lbs/ft²) for Glass Types 4-7					
		Bottom Sash Description for Given Range	Sash Height Range (in)	Tip To Tip Width	
				53-1/8"	
Tip to Tip Height	24"	Equal-lite	12.464	+65.0	-80.0
	31"	Equal-lite	15.964	+65.0	-80.0
		Standard Proview	12.994 - 15.963	+65.0	-80.0
		Shortest	12.464 - 12.993	+65.0	-80.0
	38-3/8"	Equal-lite	19.652	+65.0	-80.0
		Standard Proview	15.944 - 19.651	+65.0	-80.0
		Custom Size	15.131 - 15.943	+65.0	-80.0
		Custom Size	14.131 - 15.130	+65.0	-80.0
		Shortest	12.464 - 14.130	+65.0	-80.0
	45"	Equal-lite	22.964	+65.0	-80.0
		Custom Size	20.131 - 22.963	+65.0	-80.0
		Standard Proview	18.594 - 20.130	+65.0	-80.0
		Custom Size	16.131 - 18.593	+65.0	-80.0
		Custom Size	15.131 - 16.130	+65.0	-80.0
		Custom Size	14.131 - 15.130	+65.0	-80.0
		Shortest	12.464 - 14.130	+65.0	-80.0
	49"	Equal-lite	24.964	+65.0	-80.0
		Custom Size	22.131 - 24.963	+65.0	-80.0
		Standard Proview	20.194 - 22.130	+65.0	-80.0
		Custom Size	18.131 - 20.193	+65.0	-80.0
		Custom Size	16.131 - 18.130	+65.0	-80.0
		Custom Size	14.131 - 16.130	+65.0	-80.0
		Shortest	12.464 - 14.130	+65.0	-80.0
	50-5/8"	Equal-lite	25.777	+65.0	-80.0
		Custom Size	24.131 - 25.776	+65.0	-80.0
		Standard Proview	20.844 - 24.130	+65.0	-80.0
		Custom Size	20.131 - 20.843	+65.0	-80.0
		Custom Size	18.131 - 20.130	+65.0	-80.0
		Custom Size	16.131 - 18.130	+65.0	-80.0
		Custom Size	14.131 - 16.130	+65.0	-80.0
		Shortest	12.464 - 14.130	+65.0	-80.0
	63"	Equal-lite	31.964	+65.0	-80.0
		Custom Size	28.131 - 31.963	+65.0	-80.0
		Standard Proview	25.794 - 28.130	+65.0	-80.0
		Custom Size	24.131 - 25.793	+65.0	-80.0
		Custom Size	22.131 - 24.130	+65.0	-80.0
		Custom Size	20.131 - 22.130	+65.0	-80.0
		Custom Size	18.131 - 20.130	+65.0	-80.0
		Custom Size	16.131 - 18.130	+65.0	-80.0
		Shortest	13.194* - 16.130	+65.0	-80.0
	76"	Equal-lite	38.464	+65.0	-80.0
		Custom Size	36.131 - 38.463	+65.0	-80.0
		Custom Size	34.131 - 36.130	+65.0	-80.0
		Standard Proview	30.994 - 34.130	+65.0	-80.0
		Custom Size	30.131 - 30.993	+65.0	-80.0
		Custom Size	28.131 - 30.130	+65.0	-80.0
		Shortest	26.194* - 28.130	+65.0	-80.0
	84"	Equal-lite	42.464	+65.0	-80.0
		Custom Size	38.131 - 42.463	+65.0	-80.0
		Standard Proview	34.194* - 38.130	+65.0	-80.0



GLASS TYPE 4



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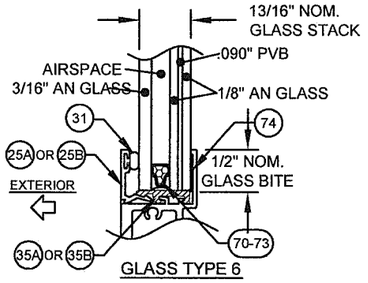
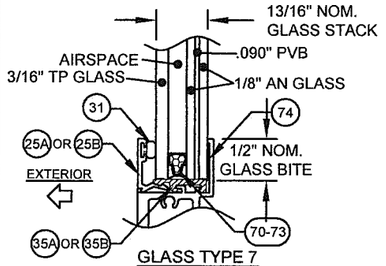


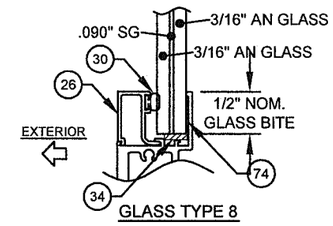
GLASS TYPE 6



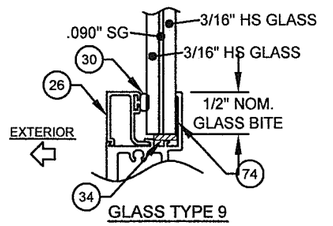
GLASS TYPE 7

TABLE 5:

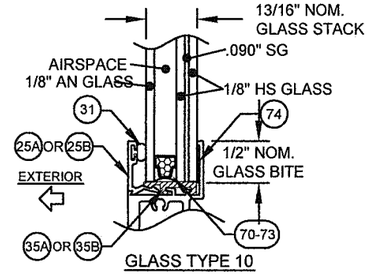
Design Pressure for Glass Types 8-15					
		Bottom Sash Description for Given Range	Sash Height Range (in)	Tip To Tip Width	
				53-1/8"	
Tip to Tip Height	24"	Equal-lite	12.464	+80.0	-110.0
	31"	Equal-lite	15.964	+80.0	-110.0
		Standard Proview	12.994 - 15.963	+80.0	-110.0
		Shortest	12.464 - 12.993	+80.0	-110.0
	38-3/8"	Equal-lite	19.652	+80.0	-110.0
		Standard Proview	15.944 - 19.651	+80.0	-110.0
		Custom Size	15.131 - 15.943	+80.0	-110.0
		Custom Size	14.131 - 15.130	+80.0	-110.0
		Shortest	12.464 - 14.130	+80.0	-110.0
	45"	Equal-lite	22.964	+80.0	-110.0
		Custom Size	20.131 - 22.963	+80.0	-110.0
		Standard Proview	18.594 - 20.130	+80.0	-110.0
		Custom Size	16.131 - 18.593	+80.0	-110.0
		Custom Size	15.131 - 16.130	+80.0	-110.0
		Custom Size	14.131 - 15.130	+80.0	-110.0
		Shortest	12.464 - 14.130	+80.0	-110.0
	49"	Equal-lite	24.964	+80.0	-110.0
		Custom Size	22.131 - 24.963	+80.0	-110.0
		Standard Proview	20.194 - 22.130	+80.0	-110.0
		Custom Size	18.131 - 20.193	+80.0	-110.0
		Custom Size	16.131 - 18.130	+80.0	-110.0
		Custom Size	14.131 - 16.130	+80.0	-110.0
		Shortest	12.464 - 14.130	+80.0	-110.0
	50-5/8"	Equal-lite	25.777	+80.0	-110.0
		Custom Size	24.131 - 25.776	+80.0	-110.0
		Standard Proview	20.844 - 24.130	+80.0	-110.0
		Custom Size	20.131 - 20.843	+80.0	-110.0
		Custom Size	18.131 - 20.130	+80.0	-110.0
		Custom Size	16.131 - 18.130	+80.0	-110.0
		Custom Size	14.131 - 16.130	+80.0	-110.0
		Shortest	12.464 - 14.130	+80.0	-110.0
	63"	Equal-lite	31.964	+80.0	-110.0
		Custom Size	28.131 - 31.963	+80.0	-110.0
		Standard Proview	25.794 - 28.130	+80.0	-110.0
		Custom Size	24.131 - 25.793	+80.0	-110.0
		Custom Size	22.131 - 24.130	+80.0	-110.0
		Custom Size	20.131 - 22.130	+80.0	-110.0
		Custom Size	18.131 - 20.130	+80.0	-110.0
		Custom Size	16.131 - 18.130	+80.0	-110.0
		Shortest	13.194* - 16.130	+80.0	-110.0
	76"	Equal-lite	38.464	+80.0	-110.0
		Custom Size	36.131 - 38.463	+80.0	-110.0
		Custom Size	34.131 - 36.130	+80.0	-110.0
		Standard Proview	30.994 - 34.130	+80.0	-110.0
		Custom Size	30.131 - 30.993	+80.0	-110.0
		Custom Size	28.131 - 30.130	+80.0	-110.0
		Shortest	26.194* - 28.130	+80.0	-110.0
	84"	Equal-lite	42.464	+80.0	-110.0
		Custom Size	38.131 - 42.463	+80.0	-110.0
		Standard Proview	34.194* - 38.130	+80.0	-110.0



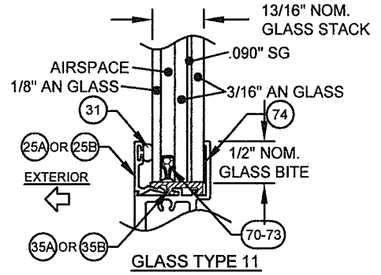
GLASS TYPE 8



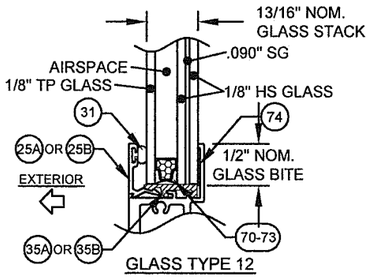
GLASS TYPE 9



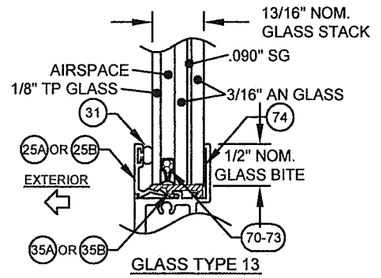
GLASS TYPE 10



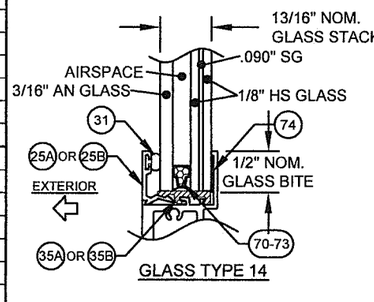
GLASS TYPE 11



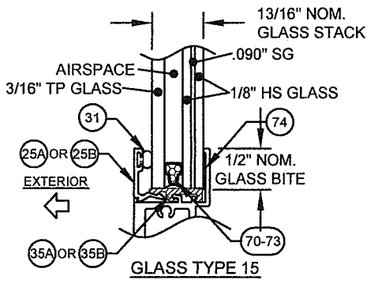
GLASS TYPE 12



GLASS TYPE 13



GLASS TYPE 14



GLASS TYPE 15

* MINIMUM SASH HEIGHT FOR FLANGED WINDOWS IS: TIP TO TIP HEIGHT - 49.391
MINIMUM SASH HEIGHT FOR INTEGRAL FIN AND EQUAL LEG WINDOWS IS: BUCK HEIGHT - 48.391
MINIMUM SASH HEIGHT FOR FLANGED, RADIUS TOP WINDOWS IS: TIP TO TIP HEIGHT - 49.806
MINIMUM SASH HEIGHT FOR INTEGRAL FIN AND EQUAL LEG, RADIUS TOP WINDOWS IS: BUCK HEIGHT - 48.806

1) TIP TO TIP DIMENSIONS SHOWN. FOR INTEGRAL FIN 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 SIZE.
3) FOR RADIUS TOP WINDOWS, FIND THE SMALLEST WINDOW SIZE IN THE TABLE ABOVE WHICH THE RADIUS TOP WINDOW WILL COMPLETELY FIT WITHIN.
4) WINDOWS WITH THE LOW SILL OPTION ARE LIMITED TO A MAXIMUM POSITIVE DESIGN PRESSURE OF +65 PSF. NEGATIVE DESIGN PRESSURES ARE UNAFFECTED.

AN= ANNEALED
TP= TEMPERED
HS= HEAT STRENGTHENED

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 20-0401.11
Expiration Date 08/23/2023
By
Miami–Dade Product Control

Revision:
A) NO CHANGES THIS SHEET.

JR - 03/11/20

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600
REGISTRATION #29296

Title	Desc.	Series
ALUMINUM SINGLE HUNG INSTALL. (LM)	DP TABLE	SH7700A

Date	By	DWG No.	Sheet	Rev.
04/01/18	JENS ROSOWSKI	7700NOA-1	4 OF 11	A

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
3/13/20

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

TABLE 6:

Anchor Quantities Required for "Through-Frame" Installation using Glass Types 1-7			Tip to Tip Width																									
			18"			25"			33"			37"			41"			45"			49"			53-1/8"		
			Jamb			Jamb			Jamb			Jamb			Jamb			Jamb			Jamb			Jamb		
Tip to Tip Height	Bottom Sash Description for Given Range	Sash Height Range (in)	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header
24"	Equal-lite	12.464	1	2	1	1	2	1	1	2	1	1	2	2	1	2	2	1	2	2	1	2	2	1	2	2
31"	Equal-lite	15.964	1	2	1	1	2	1	1	2	1	1	2	2	1	2	2	1	2	2	1	2	2	1	2	2
	Standard Proview	12.994 - 15.963	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2
	Shortest	12.464 - 12.993	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
38-3/8"	Equal-lite	19.652	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Standard Proview	15.944 - 19.651	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Custom Size	15.131 - 15.943	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Custom Size	14.131 - 15.130	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Shortest	12.464 - 14.130	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
45"	Equal-lite	22.964	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Custom Size	20.131 - 22.963	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Standard Proview	18.594 - 20.130	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Custom Size	16.131 - 18.593	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Custom Size	15.131 - 16.130	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Custom Size	14.131 - 15.130	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Shortest	12.464 - 14.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	2	3	2	2
49"	Equal-lite	24.964	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Custom Size	22.131 - 24.963	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Standard Proview	20.194 - 22.130	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Custom Size	18.131 - 20.193	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Custom Size	16.131 - 18.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	2	3	2	2
	Custom Size	14.131 - 16.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	2	3	2	2
	Shortest	12.464 - 14.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	2	3	2	2
50-5/8"	Equal-lite	25.777	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Custom Size	24.131 - 25.776	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Standard Proview	20.844 - 24.130	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Custom Size	20.131 - 20.843	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Custom Size	18.131 - 20.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	2	3	2	2
	Custom Size	16.131 - 18.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	2	3	2	2
	Custom Size	14.131 - 16.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	2	3	2	2
	Shortest	12.464 - 14.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	2	3	2	2
63"	Equal-lite	31.964	2	3	1	2	3	1	2	3	1	2	3	2	2	3	2	2	3	2	2	3	2	2	3	2
	Custom Size	28.131 - 31.963	3	3	1	3	3	1	3	3	1	3	3	2	3	3	2	3	3	2	3	3	2	3	3	2
	Standard Proview	25.794 - 28.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	2	3	3	2
	Custom Size	24.131 - 25.793	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	2	3	2	2
	Custom Size	22.131 - 24.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	2	3	2	2
	Custom Size	20.131 - 22.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	2	3	2	2
	Custom Size	18.131 - 20.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	2	3	2	2
	Custom Size	16.131 - 18.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	2	3	2	2
	Shortest	13.194* - 16.130	4	2	1	4	2	1	4	2	1	4	2	2	4	2	2	4	2	2	4	2	2	4	2	2
76"	Equal-lite	38.464	3	3	1	3	3	1	3	3	1	3	3	2	3	3	2	3	3	2	3	3	2	3	3	2
	Custom Size	36.131 - 38.463	3	3	1	3	3	1	3	3	1	3	3	2	3	3	2	3	3	2	3	3	2	3	3	2
	Custom Size	34.131 - 36.130	3	3	1	3	3	1	3	3	1	3	3	2	3	3	2	3	3	2	3	3	2	3	3	2
	Standard Proview	30.994 - 34.130	3	3	1	3	3	1	3	3	1	3	3	2	3	3	2	3	3	2	3	3	2	3	3	2
	Custom Size	30.131 - 30.993	3	3	1	3	3	1	3	3	1	3	3	2	3	3	2	3	3	2	3	3	2	3	3	2
	Custom Size	28.131 - 30.130	3	3	1	3	3	1	3	3	1	3	3	2	3	3	2	3	3	2	3	3	2	3	3	2
	Shortest	26.194* - 28.130	4	2	1	4	2	1	4	2	1	4	2	2	4	2	2	4	2	2	4	2	2	4	3	2
84"	Equal-lite	42.464	3	4	1	3	4	1	3	4	1	3	4	2	3	4	2	3	4	2	3	4	2	3	4	2
	Custom Size	38.131 - 42.463	3	4	1	3	4	1	3	4	1	3	4	2	3	4	2	3	4	2	3	4	2	3	4	2
	Standard Proview	34.194* - 38.130	4	3	1	4	3	1	4	3	1	4	3	2	4	3	2	4	3	2	4	3	2	4	3	2

* MINIMUM SASH HEIGHT FOR FLANGED WINDOWS IS: TIP TO TIP HEIGHT - 49.391
MINIMUM SASH HEIGHT FOR INTEGRAL FIN AND EQUAL LEG WINDOWS IS: BUCK HEIGHT - 48.391
MINIMUM SASH HEIGHT FOR FLANGED, RADIUS TOP WINDOWS IS: TIP TO TIP HEIGHT - 49.806
MINIMUM SASH HEIGHT FOR INTEGRAL FIN AND EQUAL LEG, RADIUS TOP WINDOWS IS: BUCK HEIGHT - 48.806

TABLE 6B:

Glass Type	Description (Listed from Exterior to Interior)
1	1/8"AN, .090" PVB, 1/8" AN
2	13/16" LIG: 1/8" AN CAP, AIRSPACE, 1/8" AN, .090" PVB, 1/8" AN
3	13/16" LIG: 1/8" TP CAP, AIRSPACE, 1/8" AN, .090" PVB, 1/8" AN
4	1/8" HS, .090" PVB, 1/8" HS
5	3/16" AN, .090" PVB, 3/16" AN
6	13/16" LIG: 3/16" AN CAP, AIRSPACE, 1/8" AN, .090" PVB, 1/8" AN
7	13/16" LIG: 3/16" TP CAP, AIRSPACE, 1/8" AN, .090" PVB, 1/8" AN

1) TIP TO TIP DIMENSIONS SHOWN. FOR INTEGRAL FIN 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 SIZE.

3) FOR RADIUS TOP WINDOWS, FIND THE SMALLEST WINDOW SIZE IN THE TABLE ABOVE WHICH THE RADIUS TOP WINDOW WILL COMPLETELY FIT WITHIN.

4) WINDOWS WITH THE LOW SILL OPTION ARE LIMITED TO A MAXIMUM POSITIVE DESIGN PRESSURE OF +65 PSF. NEGATIVE DESIGN PRESSURES ARE UNAFFECTED.

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 20-0401.11
Expiration Date 08/23/2023
By
Miami–Dade Product Control

Revision:
A) NO CHANGES THIS SHEET.

JR - 03/11/20

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

PGT® REGISTRATION #29296

Series	Title	Date	Rev.
7700NOA-1	ALUMINUM SINGLE HUNG INSTALL. (LM)	04/01/18	A

Sheet	Desc.	Drawn By	DWG No.
5 OF 11	ANCHOR QUANTITY TABLE	JENS ROSOWSKI	SH7700A

ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
3/13/20

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

TABLE 7:

Anchor Quantities Required for "Through-Frame" Installation using Glass Types 8-15			Tip to Tip Width																									
			18"			25"			33"			37"			41"			45"			49"			53-1/8"		
			Jamb			Jamb			Jamb			Jamb			Jamb			Jamb			Jamb			Jamb		
Tip to Tip Height	Bottom Sash Description for Given Range	Sash Height Range (in)	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header
24"	Equal-lite	12.464	1	2	1	1	2	1	1	2	1	1	2	2	1	2	2	1	2	2	1	2	2	1	2	2
31"	Equal-lite	15.964	1	2	1	1	2	1	1	2	1	1	2	2	1	2	2	1	2	2	1	2	2	1	2	2
	Standard Proview	12.994 - 15.963	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2
	Shortest	12.464 - 12.993	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
38-3/8"	Equal-lite	19.652	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Standard Proview	15.944 - 19.651	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Custom Size	15.131 - 15.943	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Custom Size	14.131 - 15.130	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Shortest	12.464 - 14.130	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
45"	Equal-lite	22.964	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	3	2	2	3	2
	Custom Size	20.131 - 22.963	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	3	2	2	3	2
	Standard Proview	18.594 - 20.130	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
	Custom Size	16.131 - 18.593	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	Custom Size	15.131 - 16.130	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	Custom Size	14.131 - 15.130	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	Shortest	12.464 - 14.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	2	3	2	3
49"	Equal-lite	24.964	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	3	2	2	3	2	2	3	2
	Custom Size	22.131 - 24.963	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	3	2	2	3	2	2	3	2
	Standard Proview	20.194 - 22.130	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	3	2	2	3	2	2	3	3
	Custom Size	18.131 - 20.193	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3
	Custom Size	16.131 - 18.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	2	3	2	3
	Custom Size	14.131 - 16.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	3	3	2	3
	Shortest	12.464 - 14.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	3	3	2	3
50-5/8"	Equal-lite	25.777	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	3	2	2	3	2	2	3	2
	Custom Size	24.131 - 25.776	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	3	2	2	3	2	2	3	2
	Standard Proview	20.844 - 24.130	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	3	2	2	3	2	2	3	3
	Custom Size	20.131 - 20.843	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3
	Custom Size	18.131 - 20.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	2	3	3	3
	Custom Size	16.131 - 18.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	3	3	2	3
	Custom Size	14.131 - 16.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	3	3	2	3
	Shortest	12.464 - 14.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	3	3	2	3
63"	Equal-lite	31.964	2	3	1	2	3	1	2	3	1	2	3	2	2	3	2	2	3	2	2	3	2	2	4	3
	Custom Size	28.131 - 31.963	3	3	1	3	3	1	3	3	1	3	3	2	3	3	2	3	3	2	3	3	3	3	4	3
	Standard Proview	25.794 - 28.130	3	2	1	3	2	1	3	2	1	3	2	2	3	3	2	3	3	2	3	3	3	3	3	3
	Custom Size	24.131 - 25.793	3	2	1	3	2	1	3	2	1	3	2	2	3	3	2	3	3	2	3	3	3	3	3	3
	Custom Size	22.131 - 24.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	3	2	3	3	3	3	3	3
	Custom Size	20.131 - 22.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	3	3	3	3	3
	Custom Size	18.131 - 20.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	3	4	3	3
	Custom Size	16.131 - 18.130	3	2	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	4	2	3	4	2	3
	Shortest	13.194* - 16.130	4	2	1	4	2	1	4	2	1	4	2	2	4	2	2	4	2	2	4	2	3	4	2	3
76"	Equal-lite	38.464	3	3	1	3	3	1	3	3	1	3	3	2	3	3	2	3	4	2	3	4	3	3	4	3
	Custom Size	36.131 - 38.463	3	3	1	3	3	1	3	3	1	3	3	2	3	3	2	3	4	2	3	4	3	3	4	3
	Custom Size	34.131 - 36.130	3	3	1	3	3	1	3	3	1	3	3	2	3	3	2	3	4	2	3	4	3	3	4	3
	Standard Proview	30.994 - 34.130	3	3	1	3	3	1	3	3	1	3	3	2	3	3	2	3	3	2	3	4	3	4	4	3
	Custom Size	30.131 - 30.993	3	3	1	3	3	1	3	3	1	3	3	2	3	3	2	3	3	2	4	3	3	4	4	3
	Custom Size	28.131 - 30.130	3	3	1	3	3	1	3	3	1	3	3	2	3	3	2	4	3	2	4	3	3	4	4	3
	Shortest	26.194* - 28.130	4	2	1	4	2	1	4	2	1	4	2	2	4	3	2	4	3	2	4	3	3	4	3	3
84"	Equal-lite	42.464	3	4	1	3	4	1	3	4	1	3	4	2	3	4	2	3	4	2	3	4	3	3	5	3
	Custom Size	38.131 - 42.463	3	4	1	3	4	1	3	4	1	3	4	2	3	4	2	3	4	2	4	4	3	4	5	3
	Standard Proview	34.194* - 38.130	4	3	1	4	3	1	4	3	1	4	3	2	4	3	2	4	4	2	4	4	3	4	4	3

* MINIMUM SASH HEIGHT FOR FLANGED WINDOWS IS: TIP TO TIP HEIGHT - 49.391
MINIMUM SASH HEIGHT FOR INTEGRAL FIN AND EQUAL LEG WINDOWS IS: BUCK HEIGHT - 48.391
MINIMUM SASH HEIGHT FOR FLANGED, RADIUS TOP WINDOWS IS: TIP TO TIP HEIGHT - 49.806
MINIMUM SASH HEIGHT FOR INTEGRAL FIN AND EQUAL LEG, RADIUS TOP WINDOWS IS: BUCK HEIGHT - 48.806

TABLE 7B:

Glass Type	Description (Listed from Exterior to Interior)
8	3/16" AN, .090" SG, 3/16" AN
9	3/16" HS, .090" SG, 3/16" HS
10	13/16" LIG: 1/8" AN CAP, AIRSPACE, 1/8" HS, .090" SG, 1/8" HS
11	13/16" LIG: 1/8" AN CAP, AIRSPACE, 3/16" AN, .090" SG, 3/16" AN
12	13/16" LIG: 1/8" TP CAP, AIRSPACE, 1/8" HS, .090" SG, 1/8" HS
13	13/16" LIG: 1/8" TP CAP, AIRSPACE, 3/16" AN, .090" SG, 3/16" AN
14	13/16" LIG: 3/16" AN CAP , AIRSPACE, 1/8" HS, .090" SG, 1/8" HS
15	13/16" LIG: 3/16" TP CAP, AIRSPACE, 1/8" HS, .090" SG, 1/8" HS

1) TIP TO TIP DIMENSIONS SHOWN. FOR INTEGRAL FIN 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 SIZE.

3) FOR RADIUS TOP WINDOWS, FIND THE SMALLEST WINDOW SIZE IN THE TABLE ABOVE WHICH THE RADIUS TOP WINDOW WILL COMPLETELY FIT WITHIN.

4) WINDOWS WITH THE LOW SILL OPTION ARE LIMITED TO A MAXIMUM POSITIVE DESIGN PRESSURE OF +65 PSF. NEGATIVE DESIGN PRESSURES ARE UNAFFECTED.

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 20-0401.11
Expiration Date 08/23/2023
By _____
Miami–Dade Product Control

Revision:
A) NO CHANGES THIS SHEET.

JR - 03/11/20

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

PGT® REGISTRATION #29296

Title	Desc.	Series
ALUMINUM SINGLE HUNG INSTALL. (LM)	ANCHOR QUANTITY TABLE	SH7700A

Date	Drawn By	DWG No.	Sheet	Rev.
04/01/18	JENS ROSOWSKI	7700NOA-1	6 OF 11	A

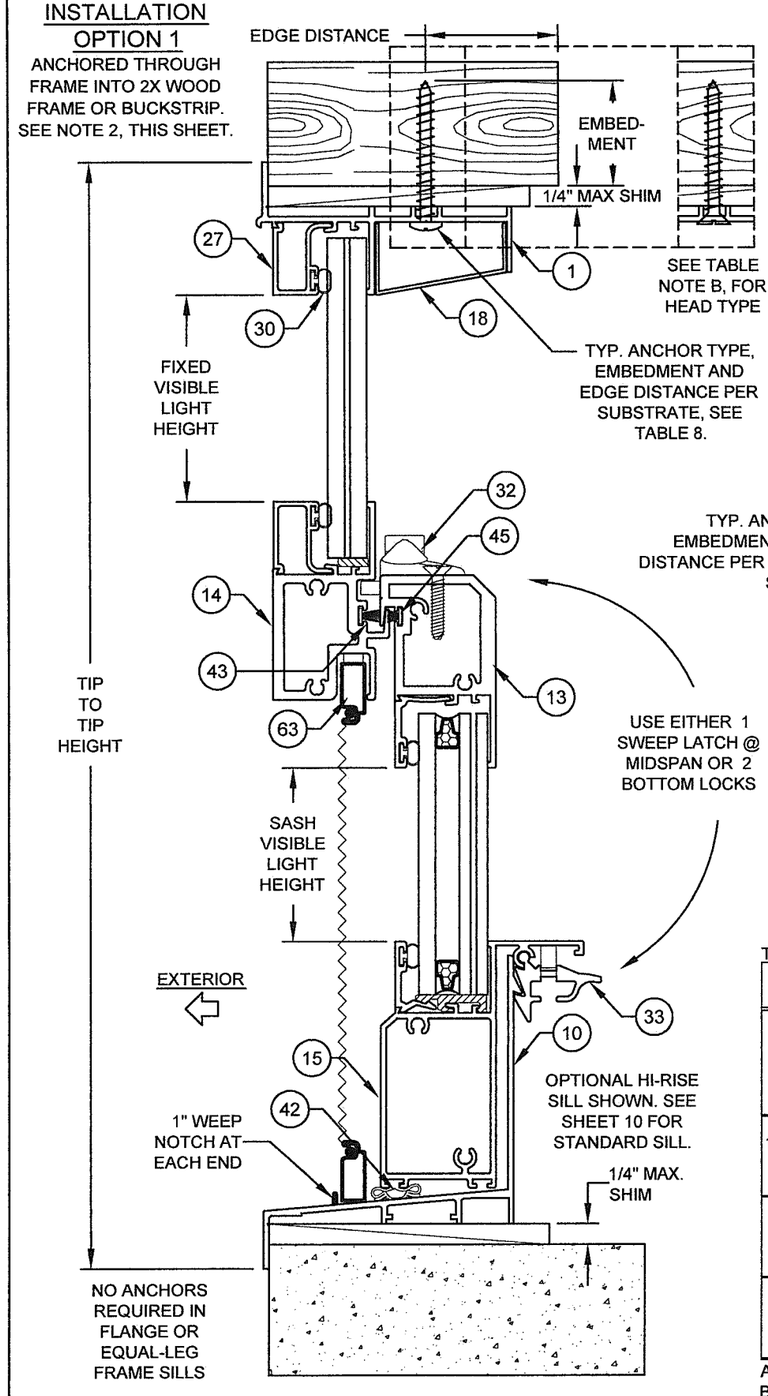
ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
3/13/20

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

INSTALLATION DETAILS FOR FLANGE FRAMES

INSTALLATION OPTION 1

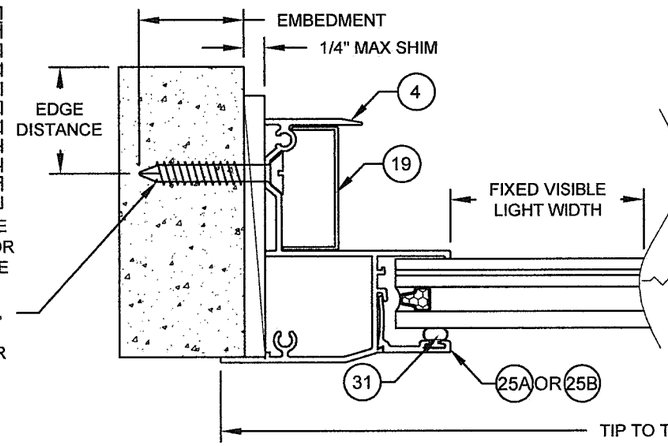
ANCHORED THROUGH FRAME INTO 2X WOOD FRAME OR BUCKSTRIP. SEE NOTE 2, THIS SHEET.



VERTICAL SECTION B-B

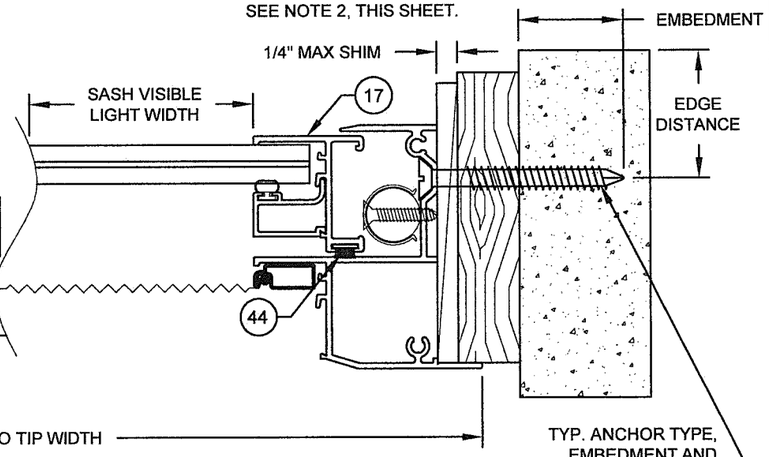
INSTALLATION OPTION 2

ANCHORED THROUGH FRAME DIRECTLY INTO CONCRETE/CMU.



INSTALLATION OPTION 3

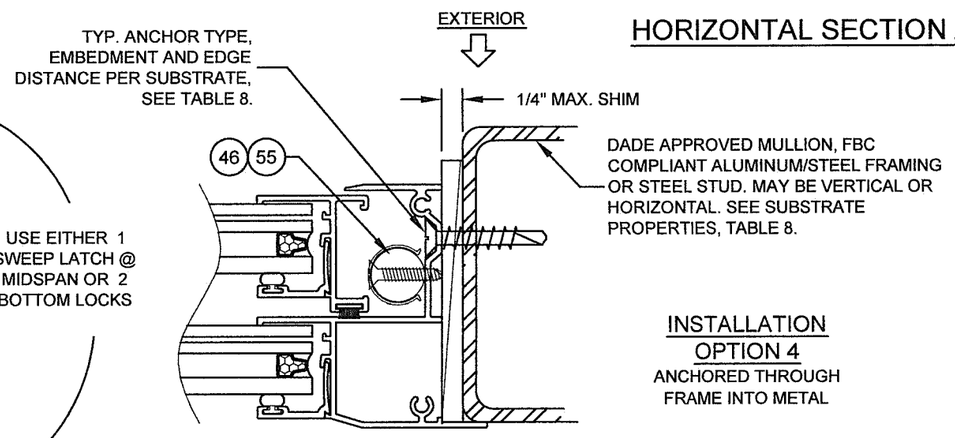
ANCHORED THROUGH FRAME AND 1X BUCKSTRIP INTO CONCRETE/CMU. SEE NOTE 2, THIS SHEET.



TIP TO TIP WIDTH

TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE 8.

HORIZONTAL SECTION A-A



INSTALLATION OPTION 4

ANCHORED THROUGH FRAME INTO METAL

TABLE 8:

Anchor	Substrate	Min. Edge Distance	Min. Embedment
#12 Steel, 18-8 or 410 SS Screw	P.T. Southern Pine (SG=0.55)	9/16"	1-3/8"
	Aluminum, 6063-T5 min.	3/8"	0.063"
	A36 Steel	3/8"	0.063"
	Steel Stud, Gr. 33 min.	3/8"	0.045" (18 Ga)
1/4" 410 SS CreteFlex	Concrete (min. 3.35 ksi)	1"	1-3/4"
	Ungrouted CMU, (ASTM C-90)	2-1/2"	1-1/4"
	P.T. Southern Pine (SG=0.55)	1"	1-3/8"
1/4" Steel Ultracon	Concrete (min. 2.85 ksi)	1"	1-3/8"
	Ungrouted CMU, (ASTM C-90)	2-1/2"	1-1/4"
	P.T. Southern Pine (SG=0.55)	1"	1-3/8"
1/4" Steel Ultracon +	Concrete (min. 3.00 ksi)	1-3/16"	1-3/8"
	Ungrouted CMU, (ASTM C-90)	1-1/2"	1-1/4"
	P.T. Southern Pine (SG=0.55)	1"	1-3/8"

A) MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.
B) USE ONLY FLATHEAD ANCHORS IN JAMBS. PAN/HEX/FLAT HEAD TYPE IS ALLOWABLE FOR ANCHORS IN THE HEAD.
C) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.

VISIBLE LIGHT FORMULAS:

(SHOWN FOR HI-RISE SILL; SEE SHEET 9 FOR STANDARD SILL)

WIDTH
@ SASH & FIXED LITE: TIP TO TIP WIDTH - 5.12"

HEIGHT (EQUAL-LITE)
TIP TO TIP HEIGHT/2 - 3.73"

HEIGHT (PROVIEW)
@FIXED LITE: TIP TO TIP HEIGHT/2 + 3.78"
@SASH: TIP TO TIP HEIGHT/2 - 11.93"

HEIGHT (CUSTOM SASH)
@FIXED LITE: TIP TO TIP HEIGHT - SASH HEIGHT - 3.55"
@SASH: SASH HEIGHT - 4.60"

NOTES:

1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE 8. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.

2) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 8. 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 OR ARCHITECT OF RECORD.

3) VISIBLE LIGHT WIDTH OR HEIGHT (ALSO REFERRED TO AS DAYLIGHT OPENING) IS MEASURED FROM BEADING TO BEADING.

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 20-0401.11
Expiration Date 08/23/2023
By
Miami–Dade Product Control

Revision: A) REVISED ANCHOR TYPE TABLE.
JR - 03/11/20

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600
REGISTRATION #29296

Title	Desc.	Date	Rev.
ALUMINUM SINGLE HUNG INSTALL. (LM)	FLANGE X-SECTION	04/01/18	A
		Drawn By: JENS ROSOWSKI	
		DWG No.: 7700NOA-1	
		Sheet: 7 OF 11	
		Series: SH7700A	

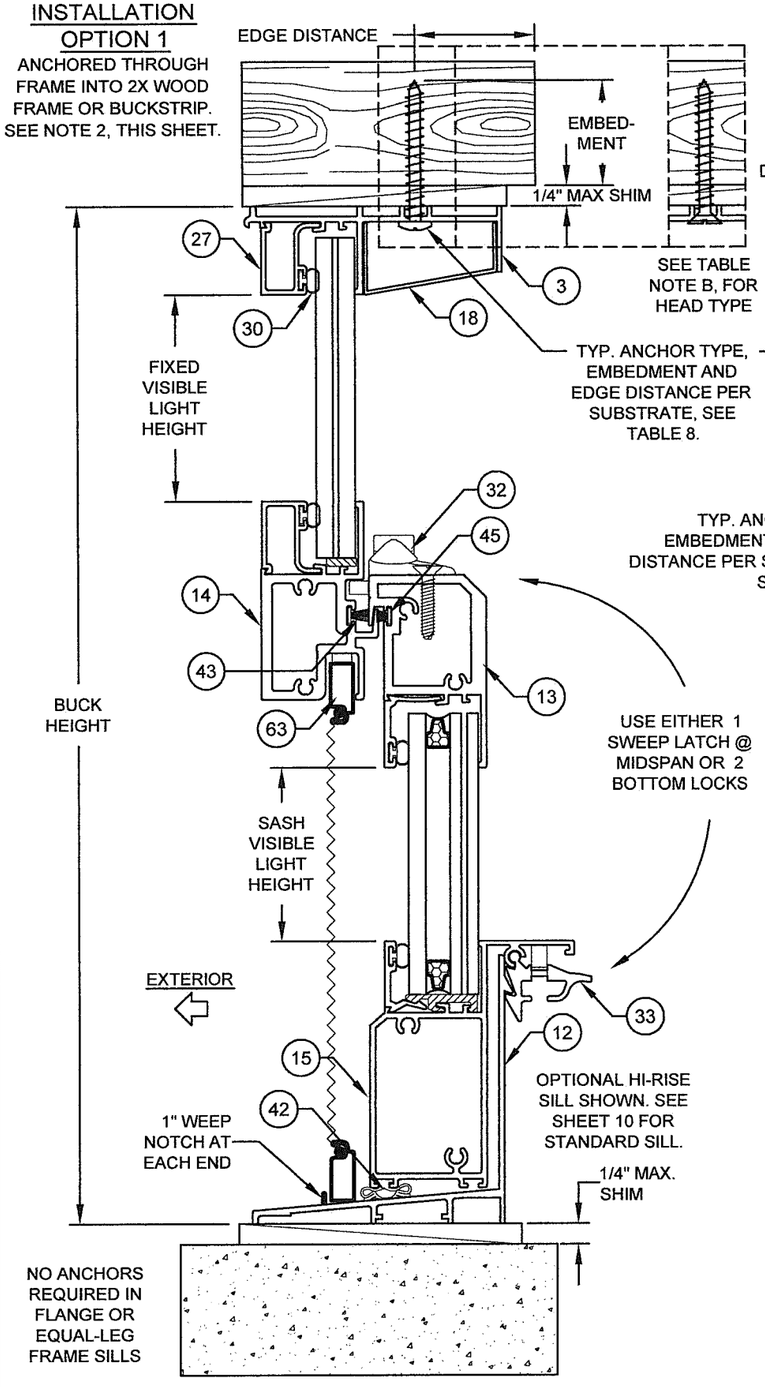
ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
3/13/20

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

INSTALLATION DETAILS FOR EQUAL-LEG FRAMES

INSTALLATION OPTION 1

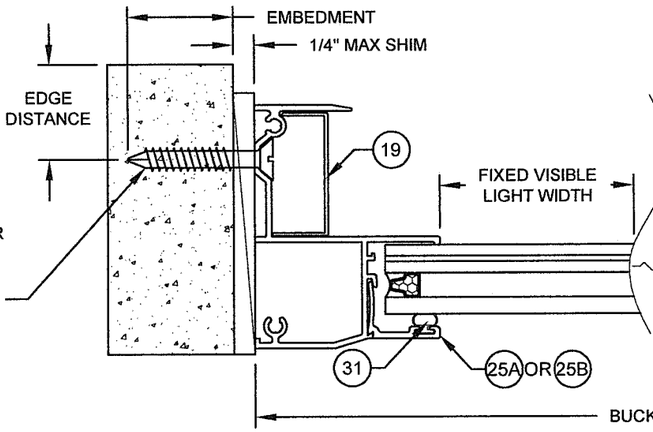
ANCHORED THROUGH FRAME INTO 2X WOOD FRAME OR BUCKSTRIP. SEE NOTE 2, THIS SHEET.



VERTICAL SECTION B-B

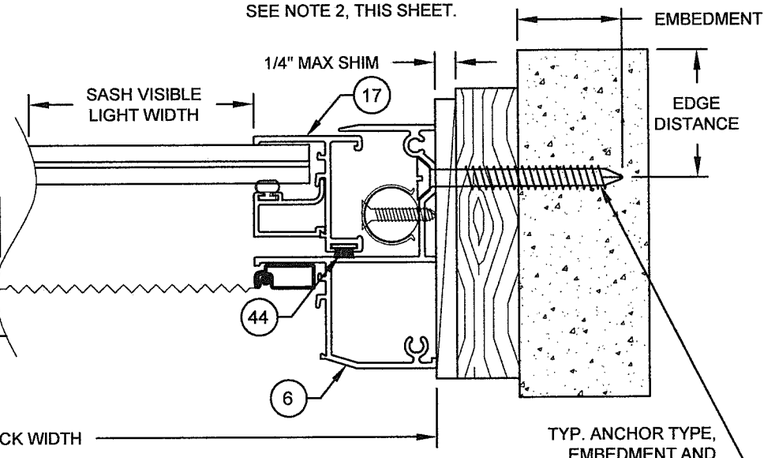
INSTALLATION OPTION 2

ANCHORED THROUGH FRAME DIRECTLY INTO CONCRETE/CMU.



INSTALLATION OPTION 3

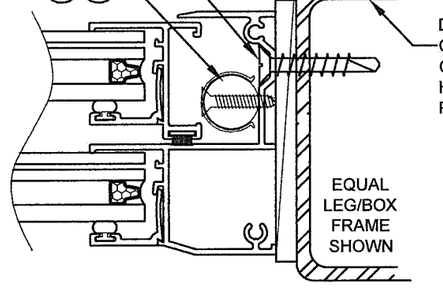
ANCHORED THROUGH FRAME AND 1X BUCKSTRIP INTO CONCRETE/CMU. SEE NOTE 2, THIS SHEET.



HORIZONTAL SECTION A-A

EXTERIOR

TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE 8.



DADE APPROVED MULLION, FBC COMPLIANT ALUMINUM/STEEL FRAMING OR STEEL STUD. MAY BE VERTICAL OR HORIZONTAL. SEE SUBSTRATE PROPERTIES, TABLE 8.

INSTALLATION OPTION 4

ANCHORED THROUGH FRAME INTO METAL

TABLE 8:

Anchor	Substrate	Min. Edge Distance	Min. Embedment
#12 Steel, 18-8 or 410 SS Screw	P.T. Southern Pine (SG=0.55)	9/16"	1-3/8"
	Aluminum, 6063-T5 min.	3/8"	0.063"
	A36 Steel	3/8"	0.063"
	Steel Stud, Gr. 33 min.	3/8"	0.045" (18 Ga)
1/4" 410 SS CreteFlex	Concrete (min. 3.35 ksi)	1"	1-3/4"
	Ungrouted CMU, (ASTM C-90)	2-1/2"	1-1/4"
	P.T. Southern Pine (SG=0.55)	1"	1-3/8"
1/4" Steel Ultracon	Concrete (min. 2.85 ksi)	1"	1-3/8"
	Ungrouted CMU, (ASTM C-90)	2-1/2"	1-1/4"
	P.T. Southern Pine (SG=0.55)	1"	1-3/8"
1/4" Steel Ultracon +	Concrete (min. 3.00 ksi)	1-3/16"	1-3/8"
	Ungrouted CMU, (ASTM C-90)	1-1/2"	1-1/4"
	P.T. Southern Pine (SG=0.55)	1"	1-3/8"

A) MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.
B) USE ONLY FLATHEAD ANCHORS IN JAMBS. PAN/HEX/FLAT HEAD TYPE IS ALLOWABLE FOR ANCHORS IN THE HEAD.
C) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.

VISIBLE LIGHT FORMULAS:

(SHOWN FOR HI-RISE SILL; SEE SHEET 9 FOR STANDARD SILL)

WIDTH
@ SASH & FIXED LITE: BUCK WIDTH - 4.12"

HEIGHT (EQUAL-LITE)
BUCK HEIGHT/2 - 3.23"

HEIGHT (PROVIEW)
@FIXED LITE: BUCK HEIGHT/2 + 4.28"
@SASH: BUCK HEIGHT/2 - 11.43"

HEIGHT (CUSTOM SASH)
@FIXED LITE: BUCK HEIGHT - SASH HEIGHT - 2.55"
@SASH: SASH HEIGHT - 4.60"

NOTES:

1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE 8. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.

2) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 8. 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 OR ARCHITECT OF RECORD.

3) VISIBLE LIGHT WIDTH OR HEIGHT (ALSO REFERRED TO AS DAYLIGHT OPENING) IS MEASURED FROM BEADING TO BEADING.

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 20-0401.11
Expiration Date 08/23/2023
By
Miami–Dade Product Control

Revision:
A) REVISED ANCHOR TYPE TABLE.
JR - 03/11/20

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

Rev.	Date	By	Drawn No.	DWG	Sheet	Series
A	04/01/18	JENS ROSOWSKI	(LM)	7700NOA-1	8 OF 11	SH7700A

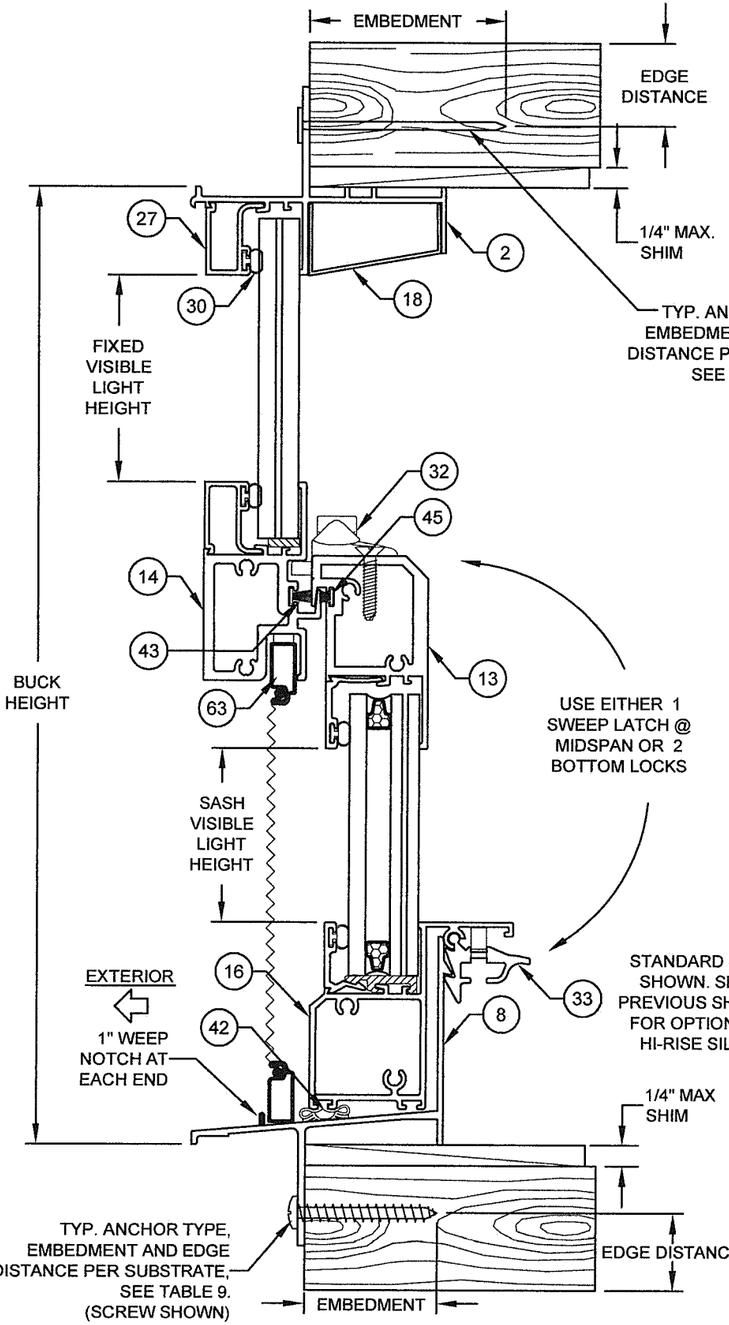
Title: ALUMINUM SINGLE HUNG INSTALL. (LM) — EQUAL-LEG X-SECTION

PGT® REGISTRATION #29296

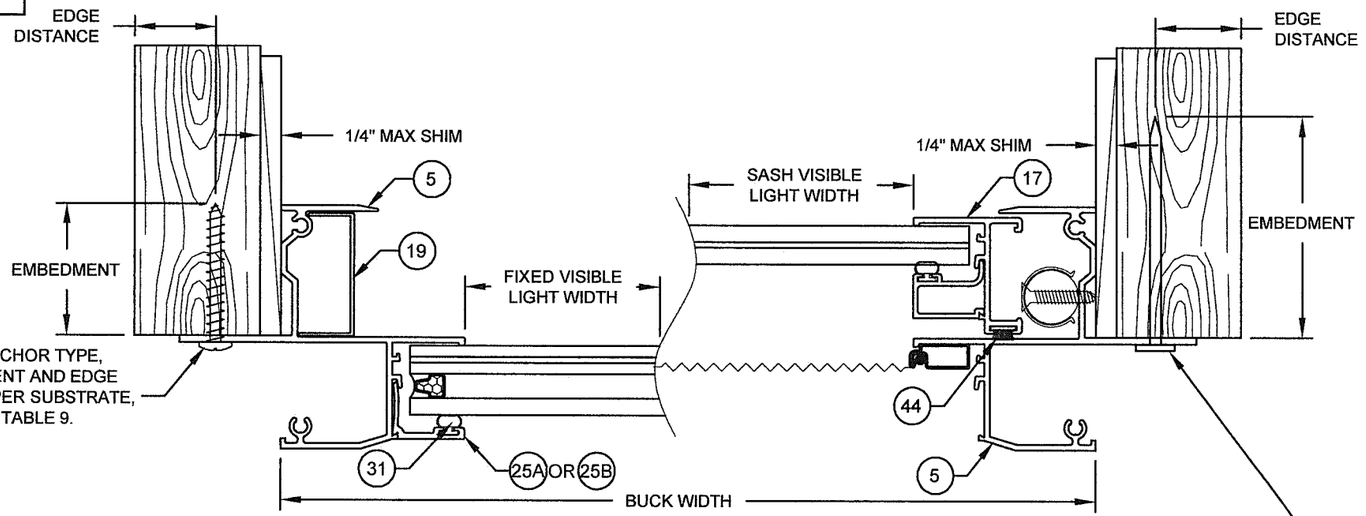
ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER 3/13/20

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

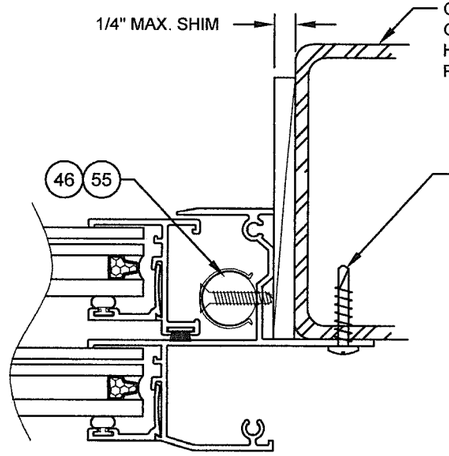
INSTALLATION DETAILS FOR INTEGRAL FIN FRAMES



VERTICAL SECTION D-D



HORIZONTAL SECTION C-C



INSTALLATION OPTION 7

ANCHORED THROUGH INTEGRAL FIN INTO METAL

VISIBLE LIGHT FORMULAS:

(SHOWN FOR STANDARD SILL; SEE SHEETS 7 OR 8 FOR HI-RISE SILL)

WIDTH
@ SASH & FIXED LITE: BUCK WIDTH - 4.12"

HEIGHT (EQUAL-LITE)
BUCK HEIGHT/2 - 3.23"

HEIGHT (PROVIEW)
@FIXED LITE: BUCK HEIGHT/2 + 4.28"
@SASH: BUCK HEIGHT/2 - 11.43"

HEIGHT (CUSTOM SASH)
@FIXED LITE: BUCK HEIGHT - SASH HEIGHT - 2.55"
@SASH: SASH HEIGHT - 4.60"

TABLE 9:

Anchor	Substrate	Min. Edge Distance	Min. Embedment
2-1/2" x .113" Box Nail	P.T. Southern Pine (SG=0.55)	5/16"	2.438
2-1/2" x .131" Common Nail	P.T. Southern Pine (SG=0.55)	3/8"	2.438
2-1/2" x .145" Roofing Nail	P.T. Southern Pine (SG=0.55)	3/8"	2.438
2-1/2" x .145" Roofing Nail	P.T. Southern Pine (SG=0.55)	3/8"	2.438
#10 Steel Trusshead Screw or #12 Steel, 18-8 or 410 SS Screw	P.T. Southern Pine (SG=0.55)	1/2"	1.375
	0.125" Aluminum, 6063-T5 min.	5/16"	0.125
	0.050" A36 Steel	5/16"	0.05
	0.045" (18 Ga) Steel Stud, Gr. 33 min.	5/16"	0.045

A) MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.

NOTES:

1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE 9. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.

2) VISIBLE LIGHT WIDTH OR HEIGHT (ALSO REFERRED TO AS DAYLIGHT OPENING) IS MEASURED FROM BEADING TO BEADING.

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 20-0401.11
Expiration Date 08/23/2023
By
Miami–Dade Product Control

Revision:
A) NO CHANGES THIS SHEET.

JR - 03/11/20

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

REGISTRATION #29296

Title	Desc.	Series
ALUMINUM SINGLE HUNG INSTALL. (LM)	INTEGRAL FIN X-SECTION	SH7700A

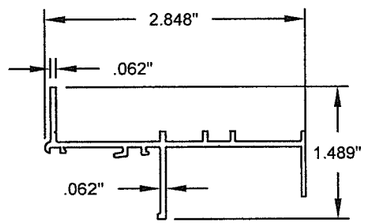
Drawn By	Date	Rev.
JENS ROSOWSKI	04/01/18	A

DWG No. 7700NOA-1

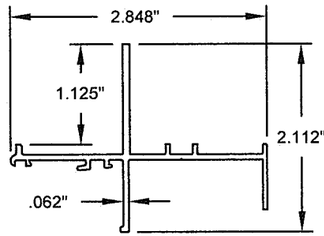
Sheet 9 OF 11

ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
3/13/20

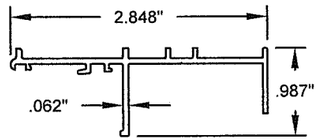
A. LYNN MILLER, P.E.
P.E.# 58705



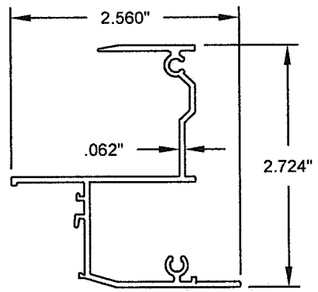
1 FLANGE FRAME HEAD



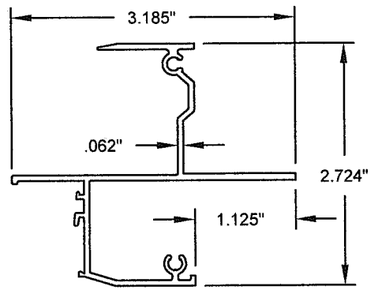
2 INTEGRAL FIN FRAME HEAD



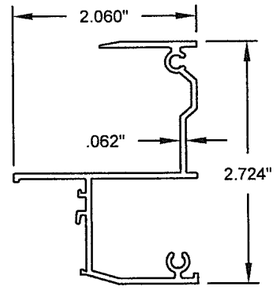
3 EQUAL LEG FRAME HEAD



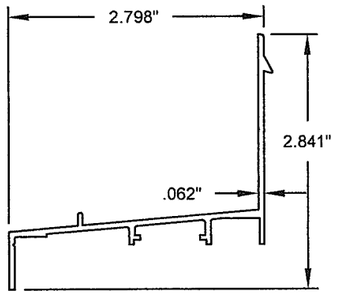
4 FLANGE FRAME JAMB



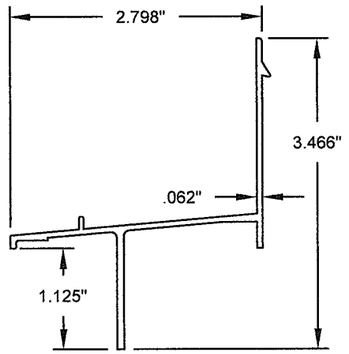
5 INTEGRAL FIN FRAME JAMB



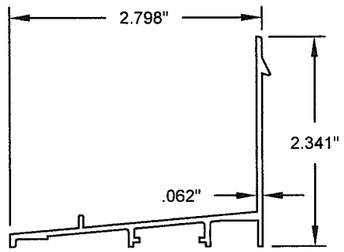
6 EQUAL LEG FRAME JAMB



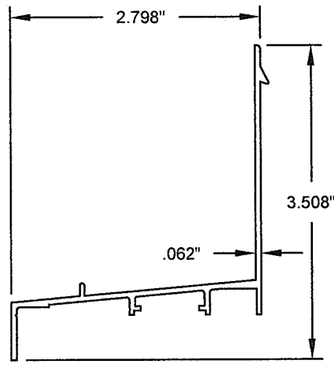
7 FLANGE FRAME SILL



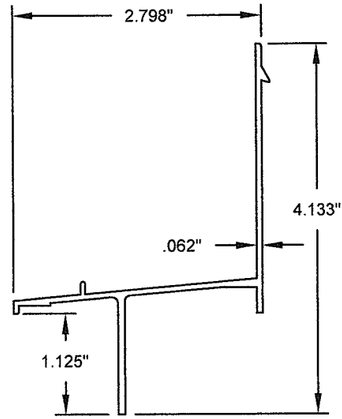
8 INTEGRAL FIN FRAME SILL



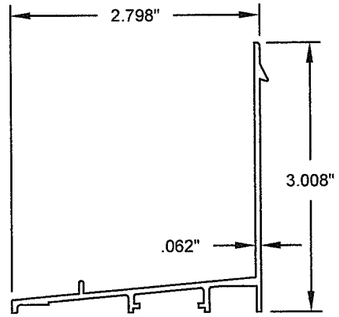
9 EQUAL LEG FRAME SILL



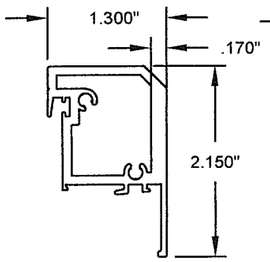
10 FLANGE FRAME SILL HI-RISE



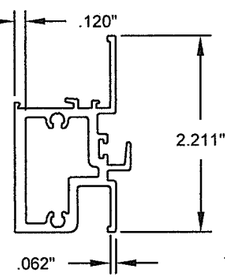
11 INTEGRAL FIN FRAME SILL - HI-RISE



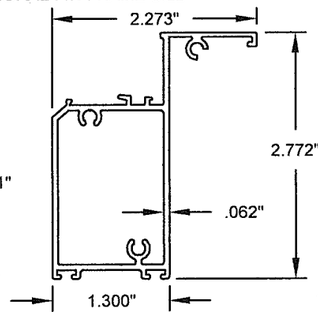
12 EQUAL LEG FRAME SILL HI-RISE



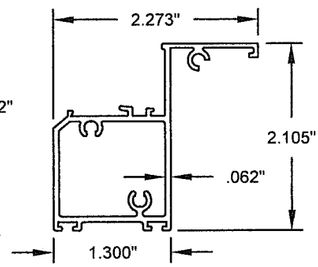
13 SASH TOP RAIL



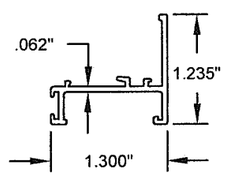
14 FIXED MEETING RAIL



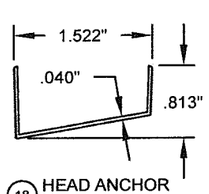
15 SASH BOTTOM RAIL - HI-RISE



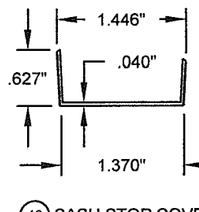
16 SASH BOTTOM RAIL



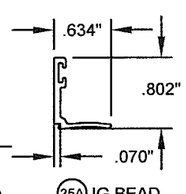
17 SASH SIDE RAIL



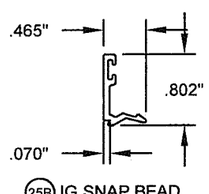
18 HEAD ANCHOR COVER



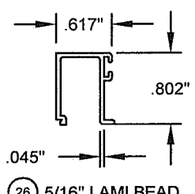
19 SASH STOP COVER



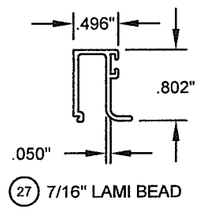
25A IG BEAD



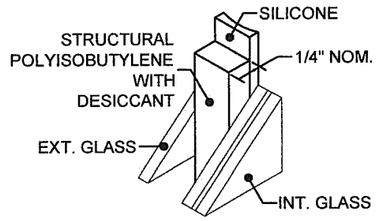
25B IG SNAP BEAD



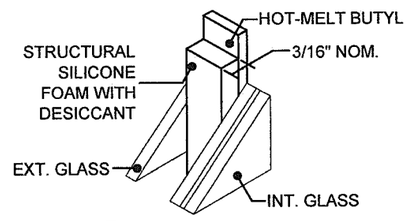
26 5/16" LAMI BEAD



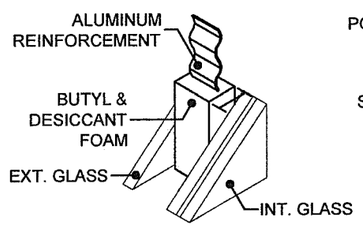
27 7/16" LAMI BEAD



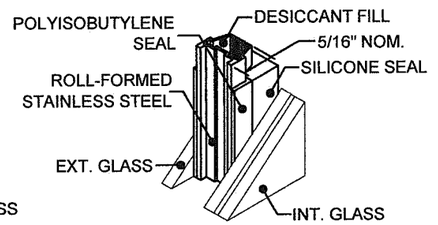
70 KODISPACE 4SG TPS



71 SUPER SPACER® NXT ™



72 DURASEAL® SPACER



73 XL EDGE™ SPACER

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 20-0401.11
Expiration Date 08/23/2023
By _____
Miami–Dade Product Control

Revision:
A) NO CHANGES THIS SHEET.

JR - 03/11/20

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

PGT® REGISTRATION #29296

Title	Desc.	Series	Sheet	DWG No.	Drawn By	Date	Rev.
ALUMINUM SINGLE HUNG INSTALL. (LM)	EXTRUSIONS	SH7700A	10 OF 11	7700NOA-1	JENS ROSOWSKI	04/01/18	A

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
3/13/20

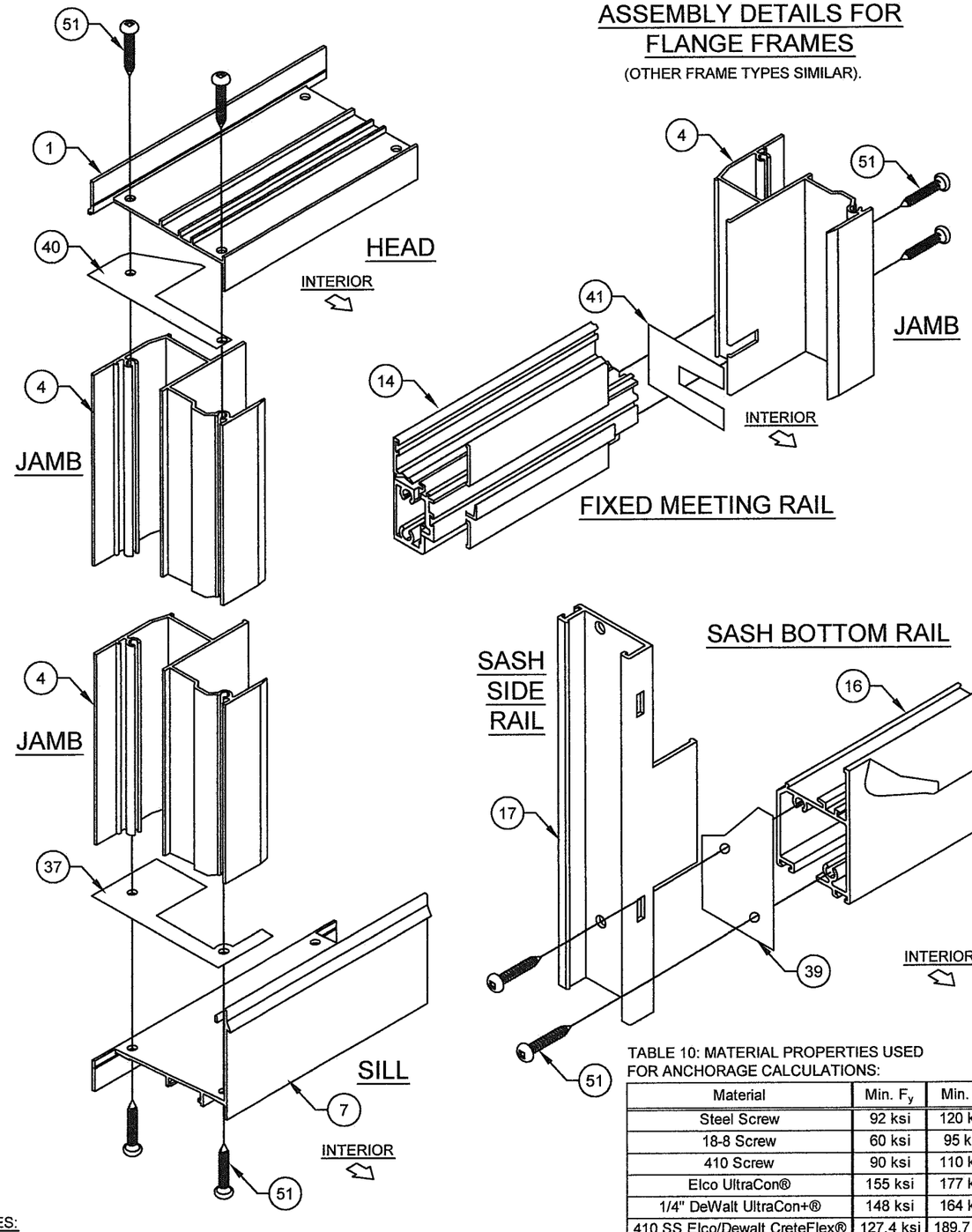
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 11:

Item #	PGT Part #	Description	Material
1	642001	Head, Flange	Alum. 6063-T6
2	624017	Head, Integral Fin	Alum. 6063-T6
3	624028	Head, Equal-leg	Alum. 6063-T6
4	624004	Jamb, Flange	Alum. 6063-T6
4A		Jamb, Flange (Used For Alternate Radius Top Head)	Alum. 6063-T52
5	624020	Jamb, Integral Fin	Alum. 6063-T6
5A		Jamb, Integral Fin (Used For Alternate Radius Top Head)	Alum. 6063-T52
6	624031	Jamb, Equal-leg	Alum. 6063-T6
6A		Jamb, Equal-leg (Used For Alternate Radius Top Head)	Alum. 6063-T52
7	624002	Sill, Flange	Alum. 6063-T6
8	624018	Sill, Integral Fin	Alum. 6063-T6
9	624029	Sill, Equal-leg	Alum. 6063-T6
10	624003	Sill, Hi-Rise, Flange	Alum. 6063-T6
11	624019	Sill, Hi-Rise, Integral Fin	Alum. 6063-T6
12	624030	Sill, Hi-Rise, Equal-leg	Alum. 6063-T6
13	624006	Sash Top Rail	Alum. 6005A-T61
14	624005	Fixed Meeting Rail	Alum. 6005A-T61
15	624012	Sash Bottom Rail - Hi-Rise	Alum. 6063-T6
16	624068	Sash Bottom Rail	Alum. 6063-T6
17	624007	Sash Side Rail	Alum. 6063-T6
18	624051	Head Anchor Cover	Alum. 6063-T6
19	624015	Sash Stop	Alum. 6063-T6
25A	624009	IG Bead	Alum. 6063-T5
25B	624011	IG Snap Bead	Alum. 6063-T5
26	624010	5/16" Lami Beading	Alum. 6063-T6
27	624026	7/16" Lami Beading	Alum. 6063-T6
30	6TP247	Glazing Bead, Bulb Vinyl for #624023	Vinyl
31	6TP248	Glazing Bead, Bulb Vinyl for #624009 & #624011	Vinyl
32	724046	Sweep Latch (@ Top Rail)	Cast Zinc
33	624049	Bottom Latch (@ Sill)	Alum. 6063-T6
34		Setting Block (1/8" X 1/2" X 4")	Neoprene
35A		IG Setting Block (1/8" X 3/4" X 4")	Neoprene
35B	724014	IG Snap Setting Block	Vinyl
36	724044	Bottom Rail Weatherstrip Extension	
37	724053	Sill Gasket	Polyethylene
38	724054	Sash Top Rail Gasket	Polyethylene
39	724055	Sash Bottom Rail Gasket	Polyethylene
40	724057	Head Gasket	Polyethylene
41	724063	Meeting Rail Gasket	Polyethylene
42	61226D	Sash Bottom Rail Bulb Vinyl	Polyethylene
43		Weatherstrip, .270" x .187", Fin Seal (@ MR)	
44	67S16G	Weatherstrip, .170" X .270", Fin Seal (@ Sash Side Rail)	
45		Weatherstrip, .170" X .187", Fin Seal (@ Top Sash Rail)	
46	varies	Balance with Cover & Trim	Rigid Vinyl
51	781PSQX	#8 X 1" PH SMS (Assembly)	Stainless Steel
55	7834AA	#8 X 3/4" Ph. PN SMS (Balance)	Stainless Steel
63	-	Alum. Screen with Fiberglass Mesh	Varies
70	-	Kommerling Kodispace 4SG TPS	See Sheet 10 for Materials
71	-	Quanex Super Spacer nXT	
72	-	Quanex Duraseal Spacer	
73	-	Cardinal XL Edge Spacer	
74	-	Dow 791, 899, 983 or GE 7700 Backbedding	Silicone

ASSEMBLY DETAILS FOR FLANGE FRAMES

(OTHER FRAME TYPES SIMILAR).



NOTES:

1) ALL CORNERS TO USE GASKET AND/OR SEALANT.

2) SOME PARTS/OPTIONS NOT SHOWN ON DRAWING FOR CLARITY.

TABLE 10: MATERIAL PROPERTIES USED FOR ANCHORAGE CALCULATIONS:

Material	Min. F_y	Min. F_u
Steel Screw	92 ksi	120 ksi
18-8 Screw	60 ksi	95 ksi
410 Screw	90 ksi	110 ksi
Elco UltraCon®	155 ksi	177 ksi
1/4" DeWalt UltraCon+®	148 ksi	164 ksi
410 SS Elco/Dewalt CreteFlex®	127.4 ksi	189.7 ksi
6063-T5 Aluminum	16 ksi	22 ksi
A36 Steel	36 ksi	58 ksi
Gr. 33 Steel Stud	33 ksi	45 ksi

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-0401.11
Expiration Date 08/23/2023
By
Miami-Dade Product Control

Revision:
A) ADDED BACKBEDDING, UPDATED MATERIAL PROP. TABLE.

JR - 03/11/20

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
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REGISTRATION #29296

Series	Title	Desc.	Sheet	DWG No.	Drawn By	Date	Rev.
	ALUMINUM SINGLE HUNG INSTALL. (LM)	BOM & CORNER DETAILS	11 OF 11	7700NOA-1	JENS ROSOWSKI	04/01/18	A

ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
3/13/20

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