

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) 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. FOR INTEGRAL FIN FRAMES INSTALL SHIMS AT MAX. 18" O.C. 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.

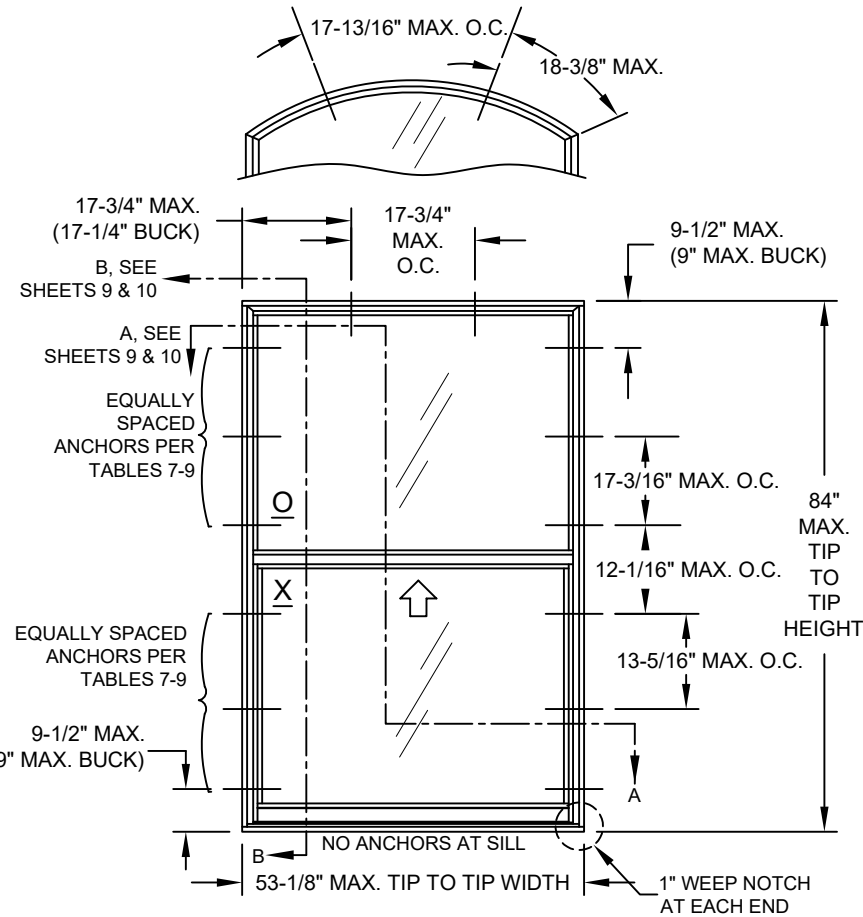
8) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT 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.

10) REFER TO CURRENT FLORIDA BUILDING CODE FOR APPLICABLE EGRESS REQUIREMENTS.

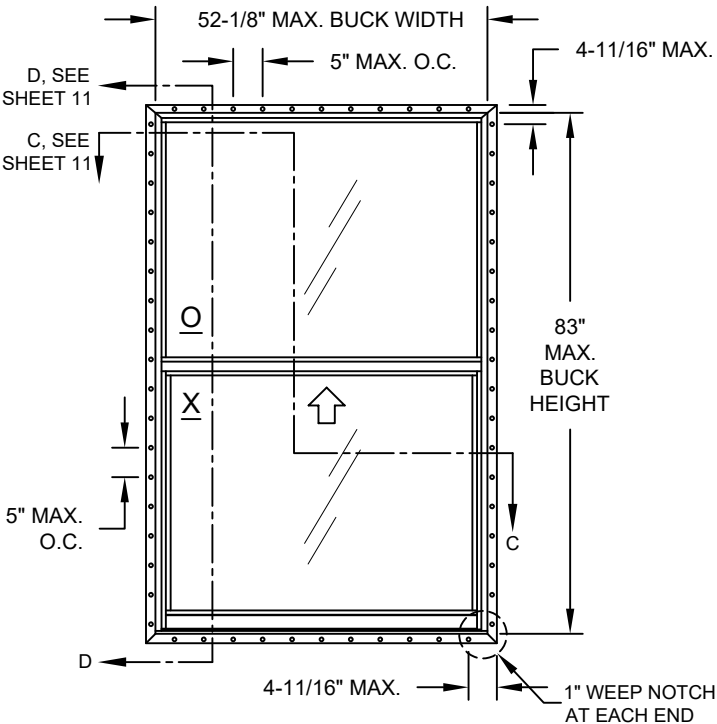
11) FRAME FLANGES OR INTEGRAL FINS MAY BE TRIMMED IN-FIELD TO CREATE AN EQUAL-LEG FRAME. THE EXPOSED ALUMINUM EDGE MUST BE PAINTED TO PROTECT AGAINST CORROSION.

FLORIDA PRODUCT APPROVAL #29698



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

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



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

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	6
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	6
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	6
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

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

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 2-6. IT MUST EQUAL OR EXCEED THE DESIGN PRESSURE REQUIREMENT FOR THE WINDOW OPENING OBTAINED IN STEP 1.

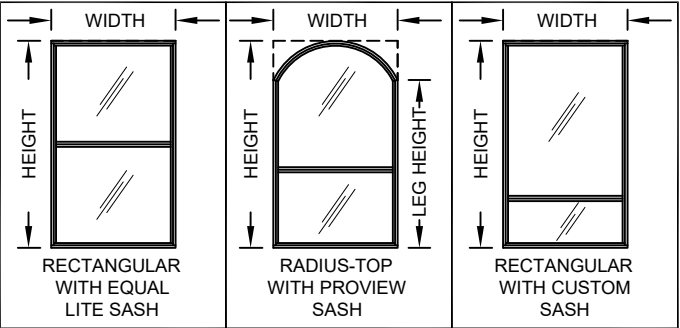
3) DETERMINE THE ANCHOR QUANTITY FROM TABLES 7-9.

4) INSTALL AS PER SHEET 9 FOR FLANGE INSTALLATION, SHEET 10 FOR EQUAL LEG INSTALLATION OR SHEET 11 FOR INTEGRAL FIN INSTALLATION.

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

GENERAL NOTES.....	1
ELEVATIONS.....	1
DESIGN PRESSURES / GLAZING DETAILS.....	2-5
ANCHOR QUANTITIES.....	6-8
INSTALLATION, FLANGE	9
INSTALLATION, EQUAL LEG.....	10
INSTALLATION, INTEGRAL FIN.....	11
EXTRUSION PROFILES.....	12
ASSEMBLY & PARTS LIST.....	13

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.

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PGT® windows and doors
3400 PRECISION DRIVE
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(941) 480-1600
REGISTRATION #29296

03/31/26
Date

ALUMINUM SINGLE HUNG WINDOW (LM)
Title

COLTON KEMPf
By

ELEVATION & GENERAL NOTES
Desc.

SH7700A-FPA
DWG No.

1 OF 13
Sheet

SH7700A
Series

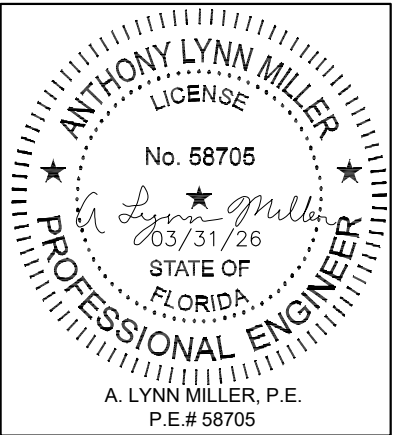
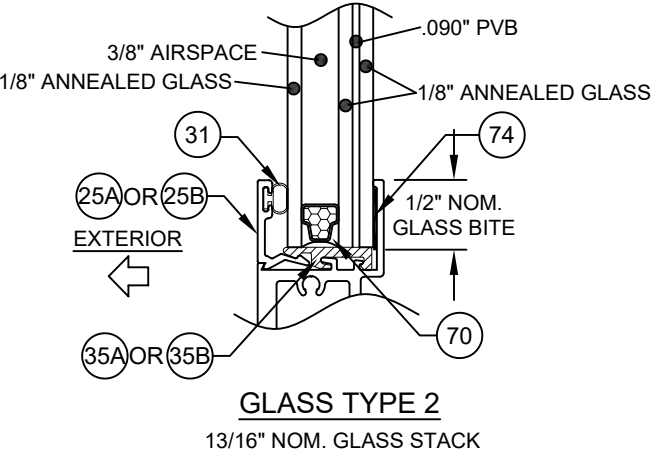
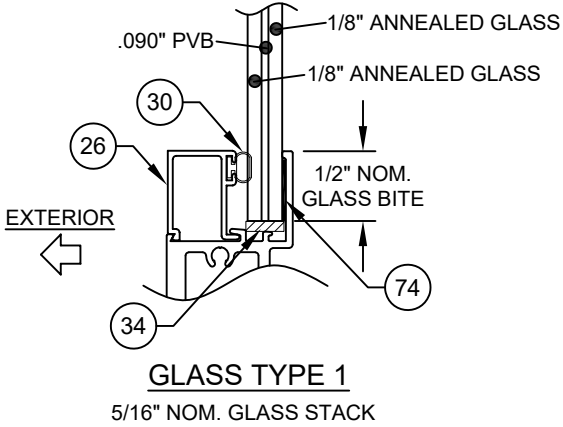


TABLE 2:

		Bottom Sash Description for Given Range	Sash Height Range (in)	Design Pressure (lbs/ft ²) for Glass Types 1 & 2															
				Tip to Tip Width															
				18"		25"		33"		37"		41"		45"		49"		53-1/8"	
Tip to Tip Height	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 Preview	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 Preview	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 Preview	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
	49"	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
		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 Preview	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
	50-5/8"	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
		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 Preview	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
	63"	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
		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 Preview	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
	76"	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
		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
	84"	Standard Preview	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
		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 Preview	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.



PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		COPYRIGHT © 2026 PGT INDUSTRIES, LLC LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.		03/31/26		COLTON KEMP		SH7700A-FPA	
PGT [®] windows and doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296		ALUMINUM SINGLE HUNG WINDOW (LM)		DP TABLE		SH7700A		2 OF 13	
Series		Desc.		Title		By		DWG No.	

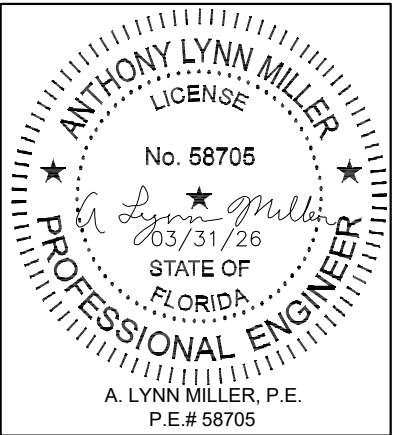
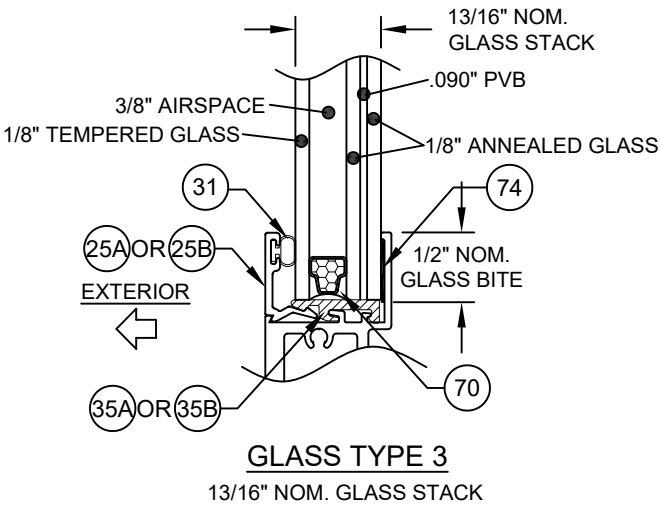


TABLE 3:

		Bottom Sash Description for Given Range	Sash Height Range (in)	Design Pressure (lbs/ft ²) for Glass Type 3															
				Tip to Tip Width															
				18"		25"		33"		37"		41"		45"		49"		53-1/8"	
Tip to Tip Height	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 Preview	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 Preview	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 Preview	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
	49"	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
		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 Preview	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
	50-5/8"	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
		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 Preview	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
	63"	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
		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 Preview	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
	76"	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
		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
	84"	Standard Preview	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
		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 Preview	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	-80.0	+65.0	-71.0

** 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.



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ALUMINUM SINGLE HUNG WINDOW (LM)

DP TABLE

03/31/26

COLTON KEMPF

SH7700A

SH7700A-FPA

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Sheet

Rev. #

Date

Rev.

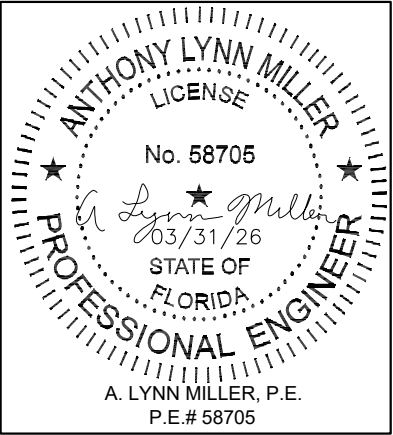


TABLE 4:

Design Pressure (lbs/ft ²) 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 Provew	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 Provew	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 Provew	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
Tip to Tip Height	49"	Custom Size	14.131 - 15.130	+65.0 -80.0
		Shortest	12.464 - 14.130	+65.0 -80.0
		Equal-lite	24.964	+65.0 -80.0
		Custom Size	22.131 - 24.963	+65.0 -80.0
		Standard Provew	20.194 - 22.130	+65.0 -80.0
	50-5/8"	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
	63"	Equal-lite	31.964	+65.0 -80.0
		Custom Size	28.131 - 31.963	+65.0 -80.0
		Standard Provew	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
Tip to Tip Height	76"	Custom Size	16.131 - 18.130	+65.0 -80.0
		Shortest	13.194** - 16.130	+65.0 -80.0
		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
	84"	Standard Provew	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 Provew	34.194** - 38.130	+65.0 -80.0

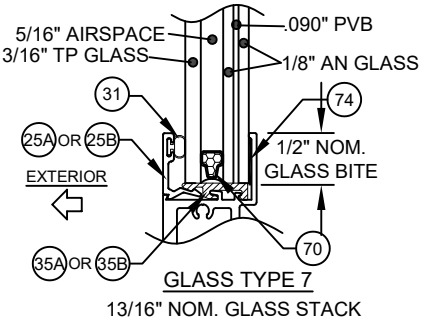
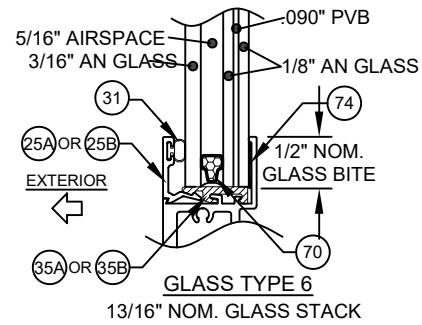
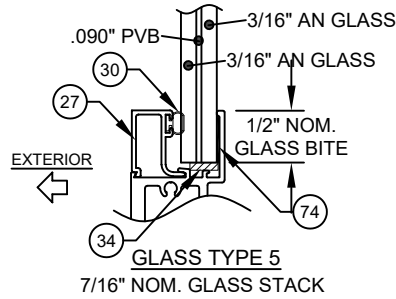
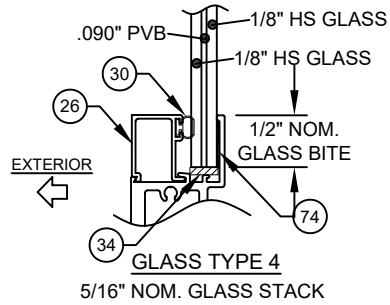
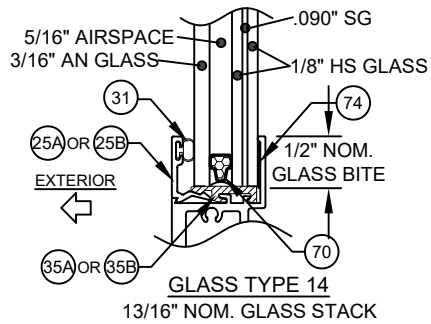
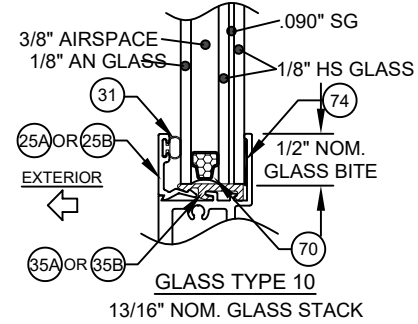
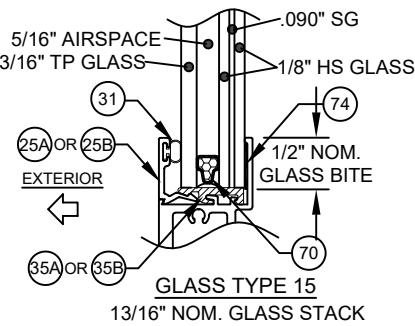
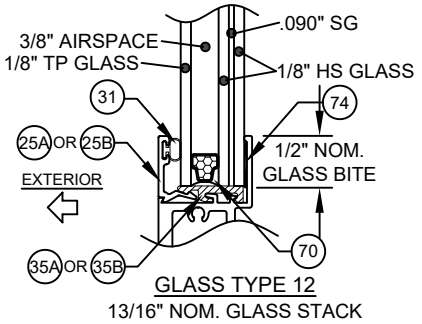
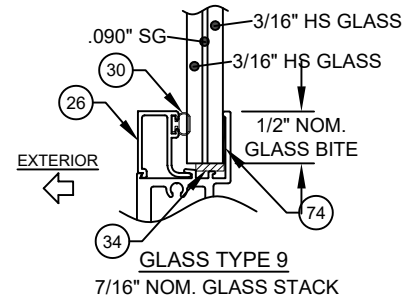


TABLE 5:

Design Pressure for Glass Types 9-10, 12, 14-15				
	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 Provew	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 Provew	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 Provew	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
Tip to Tip Height	49"	Custom Size	14.131 - 15.130	+80.0 -110.0
		Shortest	12.464 - 14.130	+80.0 -110.0
		Equal-lite	24.964	+80.0 -110.0
		Custom Size	22.131 - 24.963	+80.0 -110.0
		Standard Provew	20.194 - 22.130	+80.0 -110.0
	50-5/8"	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
	63"	Equal-lite	31.964	+80.0 -110.0
		Custom Size	28.131 - 31.963	+80.0 -110.0
		Standard Provew	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
Tip to Tip Height	76"	Custom Size	16.131 - 18.130	+80.0 -110.0
		Shortest	13.194** - 16.130	+80.0 -110.0
		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
	84"	Standard Provew	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 Provew	34.194** - 38.130	+80.0 -110.0



GLASS TYPES 8 - 15
MAY NOT BE USED
WITH INTEGRAL FIN
FRAMES

**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.

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		COPYRIGHT © 2026 PGT INDUSTRIES, LLC LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	
PGT [®] WINDOWS and DOORS 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296		ALUMINUM SINGLE HUNG WINDOW (LM)	
DP TABLE		COLTON KEMPF	
SH7700A		SH7700A-FPA	
4 OF 13		Sheet	
DWG		No.	
Title		By	
Date		03/31/26	

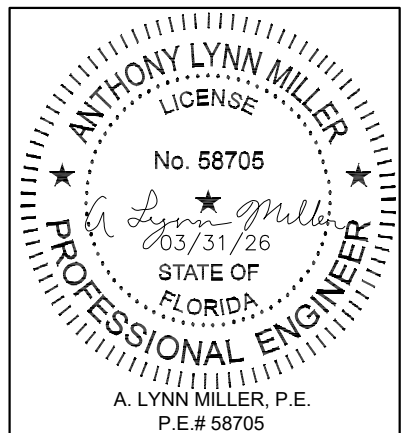


TABLE 6:

		Bottom Sash Description for given Range	Sash Height Range (in)	Design Pressure (lbs/ft ²) for Glass Types 8, 11, & 13															
				Tip to Tip Width															
				18"		25"		33"		37"		41"		45"		49"		53-1/8"	
Tip to Tip Height	24"	Equal-lite	12.464	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
	31"	Equal-lite	15.964	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
		Standard Proview	12.994 - 15.963	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
		Shortest	12.464 - 12.993	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
	38-3/8"	Equal-lite	19.652	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
		Standard Proview	15.944 - 19.651	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-122.3	+80.0	-112.6
		Custom Size	15.131 - 15.943	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
		Custom Size	14.131 - 15.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
		Shortest	12.464 - 14.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
	45"	Equal-lite	22.964	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
		Custom Size	20.131 - 22.963	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
		Standard Proview	18.594 - 20.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
		Custom Size	16.131 - 18.593	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-129.3	+80.0	-119.1
		Custom Size	15.131 - 16.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
		Custom Size	14.131 - 15.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
	49"	Shortest	12.464 - 14.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
		Equal-lite	24.964	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
		Custom Size	22.131 - 24.963	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
		Standard Proview	20.194 - 22.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
		Custom Size	18.131 - 20.193	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
		Custom Size	16.131 - 18.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-122.2
		Custom Size	14.131 - 16.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
	50-5/8"	Shortest	12.464 - 14.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
		Equal-lite	25.777	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
		Custom Size	24.131 - 25.776	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
		Standard Proview	20.844 - 24.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
		Custom Size	20.131 - 20.843	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
		Custom Size	18.131 - 20.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0
Custom Size		16.131 - 18.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-122.2	
Custom Size		14.131 - 16.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	
63"	Shortest	12.464 - 14.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	
	Equal-lite	31.964	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	
	Custom Size	28.131 - 31.963	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	
	Standard Proview	25.794 - 28.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	
	Custom Size	24.131 - 25.793	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	
	Custom Size	22.131 - 24.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	
	Custom Size	20.131 - 22.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	
	Custom Size	18.131 - 20.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-127.0*	
	Custom Size	16.131 - 18.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-122.2	
76"	Shortest	13.194** - 16.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-126.1*	+80.0	-117.7*	
	Equal-lite	38.464	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	
	Custom Size	36.131 - 38.463	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	
	Custom Size	34.131 - 36.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	
	Standard Proview	30.994 - 34.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-127.0*	
	Custom Size	30.131 - 30.993	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-124.2*	
	Custom Size	28.131 - 30.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-129.8*	+80.0	-120.5*	
84"	Shortest	26.194** - 28.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-126.1*	+80.0	-117.7*	
	Equal-lite	42.464	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	
	Custom Size	38.131 - 42.463	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-124.2*	
	Standard Proview	34.194** - 38.130	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-130.0	+80.0	-126.1*	+80.0	-117.7*	

* -130.0 FOR GLASS TYPE 13

** MINIMUM SASH HEIGHT FOR FLANGED WINDOWS IS: TIP TO TIP HEIGHT - 49.391

MINIMUM SASH HEIGHT FOR EQUAL LEG WINDOWS IS: BUCK HEIGHT - 48.391

MINIMUM SASH HEIGHT FOR FLANGED, RADIUS TOP WINDOWS IS: TIP TO TIP HEIGHT - 49.806

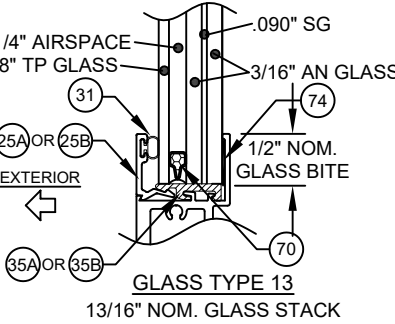
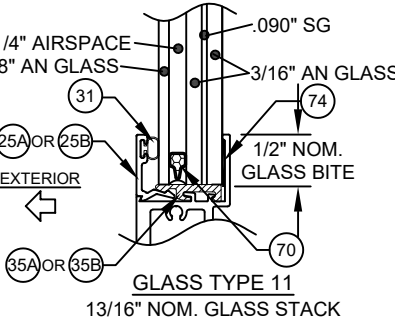
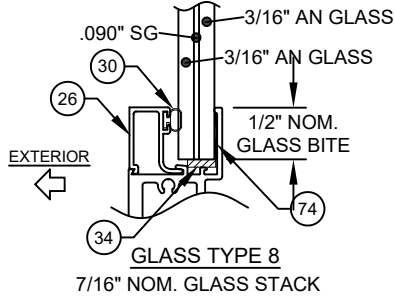
MINIMUM SASH HEIGHT FOR EQUAL LEG, RADIUS TOP WINDOWS IS: BUCK HEIGHT - 48.806

1) TIP TO TIP DIMENSIONS SHOWN. FOR 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 TYPES 8 - 15
MAY NOT BE USED
WITH INTEGRAL FIN
FRAMES

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
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PGT[®] WINDOWS and DOORS
3400 PRECISION DRIVE
N. VENICE, FL 34275
(941) 480-1600
REGISTRATION #29296

03/31/26
Date

COLTON KEMPF
By

ALUMINUM SINGLE HUNG WINDOW (LM)
Title

5 OF 13
DWG

SH7700A
Sheet

SH7700A-FPA
Series

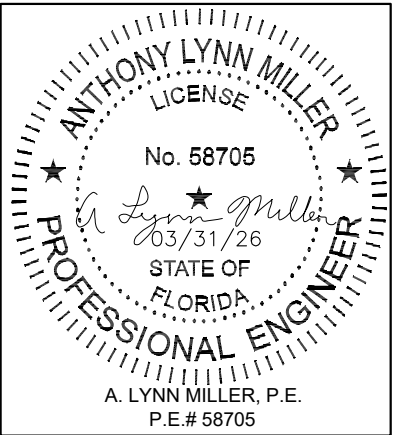


TABLE 7:

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	Header		Jamb	Header		Jamb	Header		Jamb	Header		Jamb	Header		Jamb	Header		Jamb	Header		Jamb	Header	
	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	
Tip to Tip Height	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
		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
	45"	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
	50-5/8"	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
		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
	63"	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
		Equal-lite	31.964	2	3	1	2	3	1	2	3	1	2	3	2	2	3	2	2	2	3	2	2	2	3	2	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
	76"	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
		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
	84"	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
		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 7B:

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.

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REGISTRATION #29296

ALUMINUM SINGLE HUNG WINDOW (LM)

ANCHOR QUANTITY TABLE

SH7700A

03/31/26

COLTON KEMPF

6 OF 13

SH7700A-FPA

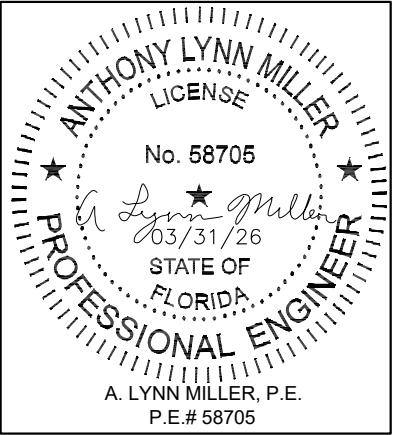


TABLE 8:

Anchor Quantities Required for "Through-Frame" Installation using Glass Types 9-10, 12, 14-15				Tip to Tip Width																							
				18"			25"			33"			37"			41"			45"			49"			53-1/8"		
				Jamb		Header	Jamb		Header	Jamb		Header	Jamb		Header	Jamb		Header	Jamb		Header	Jamb		Header	Jamb		Header
	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	
Tip to Tip Height	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
		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
	45"	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	2	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
	50-5/8"	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
		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	2	3	2	2	3	2	2	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
	63"	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
		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
	76"	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
		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
	84"	Shortest	34.194** - 38.130	4	3	1	4	3	1	4	3	1	4	3	2	4	4	2	4	4	2	4	4	3	4	4	3
		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

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

TABLE 8B:

Glass Type	Description (Listed from Exterior to Interior)
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
12	13/16" LIG: 1/8" TP CAP, AIRSPACE, 1/8" HS, .090" SG, 1/8" HS
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 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.

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REGISTRATION #29296

ALUMINUM SINGLE HUNG WINDOW (LM)

ANCHOR QUANTITY TABLE

SH7700A

03/31/26

COLTON KEMPF

7 OF 13

SH7700A-FPA

DATE

BY

DWG

NO.

SHEET

SERIES

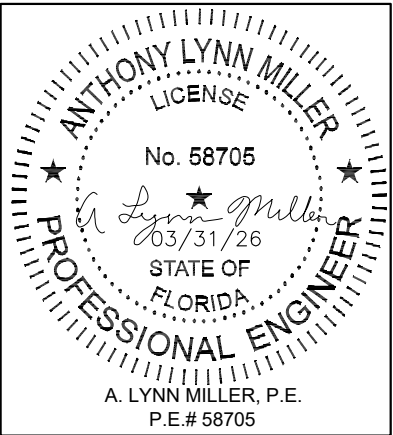


TABLE 9:

Anchor Quantities Required for "Through-Frame" Installation using Glass Types 8, 11, & 13			Tip to Tip Width																									
			18"			25"			33"			37"			41"			45"			49"			53-1/8"				
			Jamb		Header	Jamb		Header	Jamb		Header	Jamb		Header	Jamb		Header	Jamb		Header	Jamb		Header	Jamb		Header		
Above MR	Below MR	Above MR	Below MR	Above MR		Below MR	Above MR		Below MR	Above MR		Below MR	Above MR		Below MR	Above MR		Below MR	Above MR		Below MR	Above MR		Below MR	Above MR		Below MR	
	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		
Tip to Tip Height	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	3	2	2	3	2	
		Standard Proview	15.944 - 19.651	2	2	1	2	2	1	2	2	2	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	2	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	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	
		Shortest	12.464 - 14.130	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	3	
	45"	Equal-lite	22.964	2	2	1	2	2	1	2	2	2	2	2	2	2	3	2	2	3	2	2	3	2	2	3	3	
		Custom Size	20.131 - 22.963	2	2	1	2	2	1	2	2	2	2	2	2	2	3	2	2	3	2	2	3	2	2	3	3	
		Standard Proview	18.594 - 20.130	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	3	3	
		Custom Size	16.131 - 18.593	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	3	
		Custom Size	15.131 - 16.130	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	2	3	
		Custom Size	14.131 - 15.130	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	2	3	3	
		Shortest	12.464 - 14.130	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	3	3	2	3	3	2	3	
	49"	Equal-lite	24.964	2	2	1	2	2	1	2	2	2	2	3	2	2	3	2	2	3	2	2	3	2	2	3	3	
		Custom Size	22.131 - 24.963	2	2	1	2	2	1	2	2	2	2	3	2	2	3	2	2	3	2	2	3	3	2	3	3	
		Standard Proview	20.194 - 22.130	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	
		Custom Size	18.131 - 20.193	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	3	3	2	3	3	3	3	3	
		Custom Size	16.131 - 18.130	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	3	3	2	3	3	2	3	
		Custom Size	14.131 - 16.130	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	3	3	2	3	3	2	3	
		Shortest	12.464 - 14.130	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	3	3	2	3	3	2	3	
	50-5/8"	Equal-lite	25.777	2	2	1	2	2	1	2	2	2	2	3	2	2	3	2	2	3	2	2	3	2	2	4	3	
		Custom Size	24.131 - 25.776	2	2	1	2	2	1	2	2	2	2	3	2	2	3	2	2	3	2	2	3	3	2	4	3	
		Standard Proview	20.844 - 24.130	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	3	2	2	3	3	3	3	3	
		Custom Size	20.131 - 20.843	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	3	2	2	3	3	3	3	3	
		Custom Size	18.131 - 20.130	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	3	3	3	3	3	3	3	
		Custom Size	16.131 - 18.130	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	3	3	2	3	3	2	3	
		Custom Size	14.131 - 16.130	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	3	3	2	3	3	2	3	
		Shortest	12.464 - 14.130	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	3	3	2	3	4	2	3	
	63"	Equal-lite	31.964	2	3	1	2	3	1	2	3	2	2	3	2	2	3	2	2	3	4	2	3	4	3	3	4	3
		Custom Size	28.131 - 31.963	3	3	1	3	3	1	3	3	2	3	3	2	3	3	2	3	4	3	3	4	3	3	4	3	
		Standard Proview	25.794 - 28.130	3	2	1	3	2	1	3	3	2	3	3	2	3	3	2	3	3	3	3	4	3	3	4	3	
		Custom Size	24.131 - 25.793	3	2	1	3	2	1	3	2	2	3	3	2	3	3	2	3	3	3	3	4	3	3	4	3	
		Custom Size	22.131 - 24.130	3	2	1	3	2	1	3	2	2	3	2	2	3	3	2	3	3	3	4	3	3	4	3	3	
		Custom Size	20.131 - 22.130	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	4	3	3	4	3	3	4	3	3	
		Custom Size	18.131 - 20.130	3	2	1	3	2	1	3	2	2	3	2	2	4	2	2	4	2	3	4	3	3	4	3	4	
		Custom Size	16.131 - 18.130	3	2	1	3	2	1	3	2	2	4	2	2	4	2	2	4	2	3	4	2	3	4	2	3	
		Shortest	13.194** - 16.130	4	2	1	4	2	1	4	2	2	4	2	2	4	2	2	4	2	3	5	2	3	5	2	4	
	76"	Equal-lite	38.464	3	3	1	3	3	1	3	3	2	3	4	2	3	4	2	3	4	3	3	5	3	3	5	3	
		Custom Size	36.131 - 38.463	3	3	1	3	3	1	3	3	2	3	4	2	3	4	2	3	4	3	4	5	3	4	5	3	
		Custom Size	34.131 - 36.130	3	3	1	3	3	1	3	3	2	3	3	2	3	4	2	4	4	3	4	4	3	4	5	3	
		Standard Proview	30.994 - 34.130	3	3	1	3	3	1	3	3	2	3	3	2	4	4	2	4	4	3	4	4	3	4	5	4	
		Custom Size	30.131 - 30.993	3	3	1	3	3	1	3	3	2	3	3	2	4	3	2	4	4	3	4	4	3	4	4	4	
		Custom Size	28.131 - 30.130	3	3	1	3	3	1	3	3	2	4	3	2	4	3	2	4	3	3	4	4	3	5	4	4	
		Shortest	26.194** - 28.130	4	2	1	4	2	1	4	3	2	4	3	2	4	3	2	4	3	3	5	4	3	5	4	4	
	84"	Equal-lite	42.464	3	4	1	3	4	1	3	4	2	3	4	2	3	4	2	3	5	3	4	5	3	4	6	3	
		Custom Size	38.131 - 42.463	3	4	1	3	4	1	3	4	2	3	4	2	4	4	2	4	5	3	4	5	3	4	6	4	
		Standard Proview	34.194** - 38.130	4	3	1	4	3	1	4	3	2	4	4	2	4	4	2	4	4	3	5	5	3	5	5	4	

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

TABLE 9B:

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

- 1) TIP TO TIP DIMENSIONS SHOWN. FOR 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.

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N. VENICE, FL 34275
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REGISTRATION #29296

03/31/26

By
COLTON KEMP

ANCHOR QUANTITY TABLE

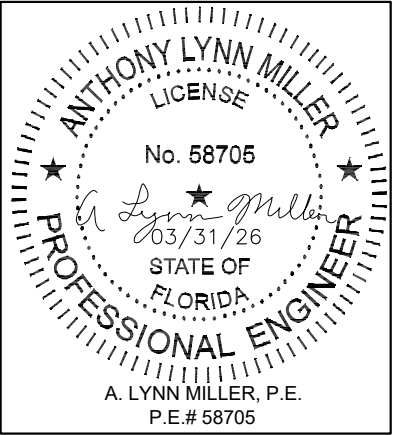
8 OF 13

SH7700A

ALUMINUM SINGLE HUNG WINDOW (LM)

ANCHOR QUANTITY TABLE

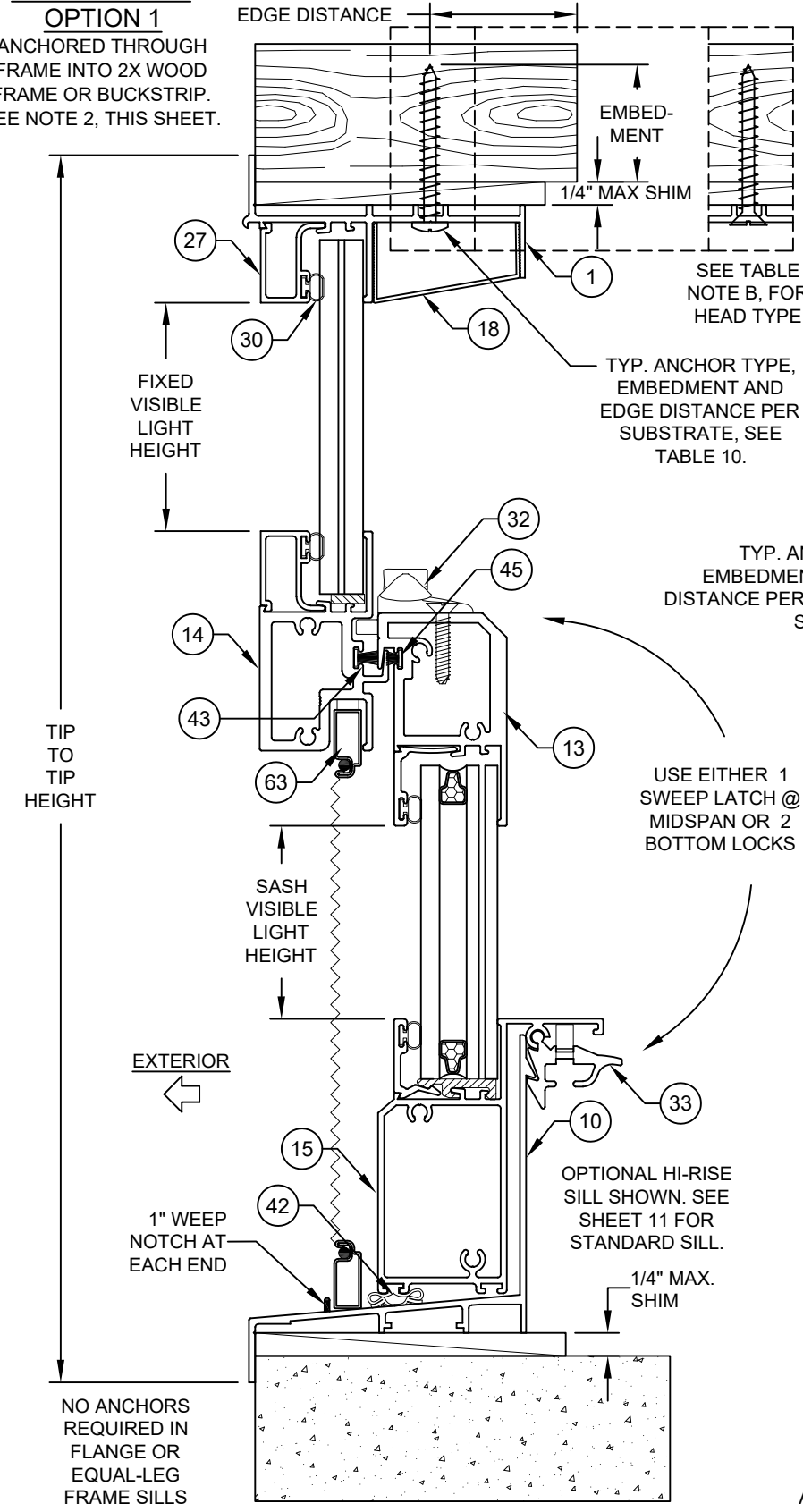
SH7700A-FPA



INSTALLATION DETAILS FOR FLANGE FRAMES

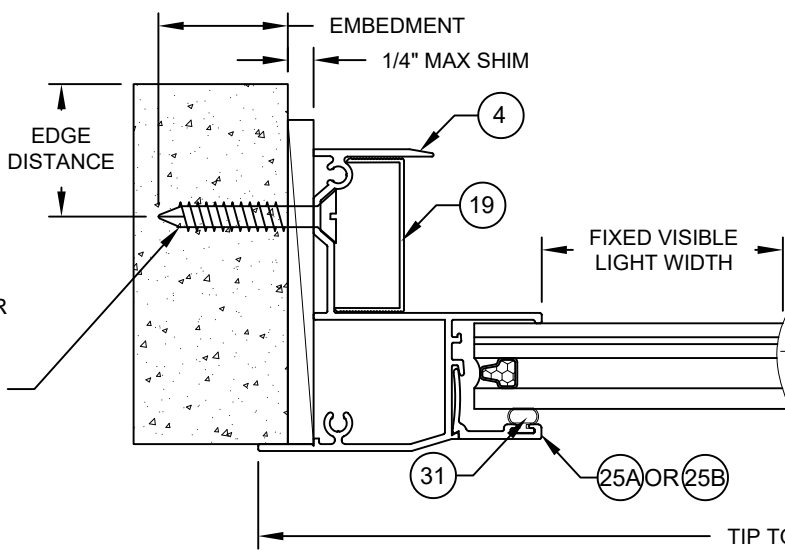
INSTALLATION
OPTION 1

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



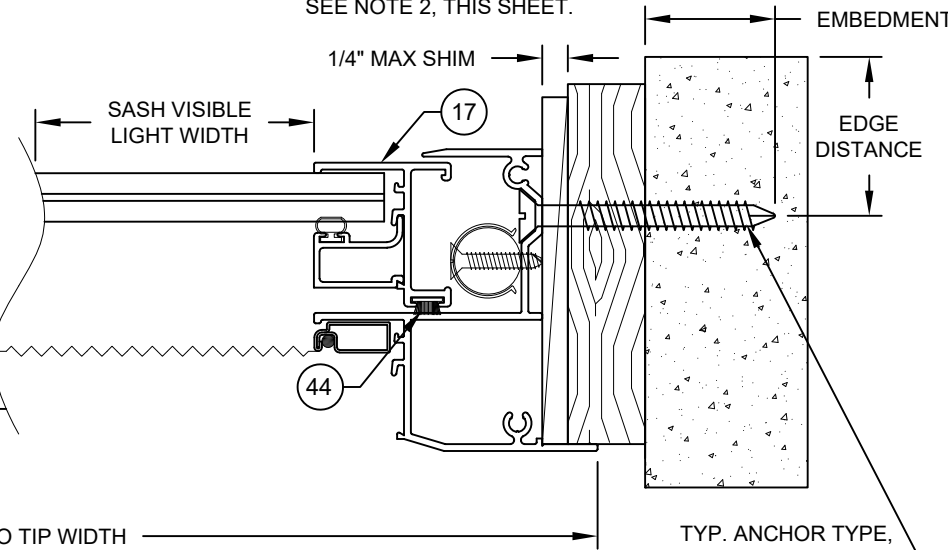
VERTICAL SECTION B-B

INSTALLATION OPTION 2
ANCHORED THROUGH FRAME
DIRECTLY INTO CONCRETE/CMU.



HORIZONTAL SECTION A-A

INSTALLATION OPTION 3
ANCHORED THROUGH FRAME AND 1X
BUCKSTRIP INTO CONCRETE/CMU.
SEE NOTE 2, THIS SHEET.



TYP. ANCHOR TYPE,
EMBEDMENT AND
EDGE DISTANCE PER
SUBSTRATE, SEE
TABLE 10.

VISIBLE LIGHT FORMULAS:
(SHOWN FOR HI-RISE SILL; SEE
SHEET 11 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 10. 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 10. 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.

TABLE 10:

Anchor	Substrate	Min. Edge Distance	Min. Embedment
#12 Steel, 18-8 or 410 SS Screw	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"
	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"
	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.

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PGT® windows and doors
3400 PRECISION DRIVE
N. VENICE, FL 34275
(941) 480-1600
REGISTRATION #29296

03/31/26
Date

COLTON KEMPf
By

ALUMINUM SINGLE HUNG WINDOW (LM)
Title

9 OF 13
DWG No.

SH7700A
Sheet

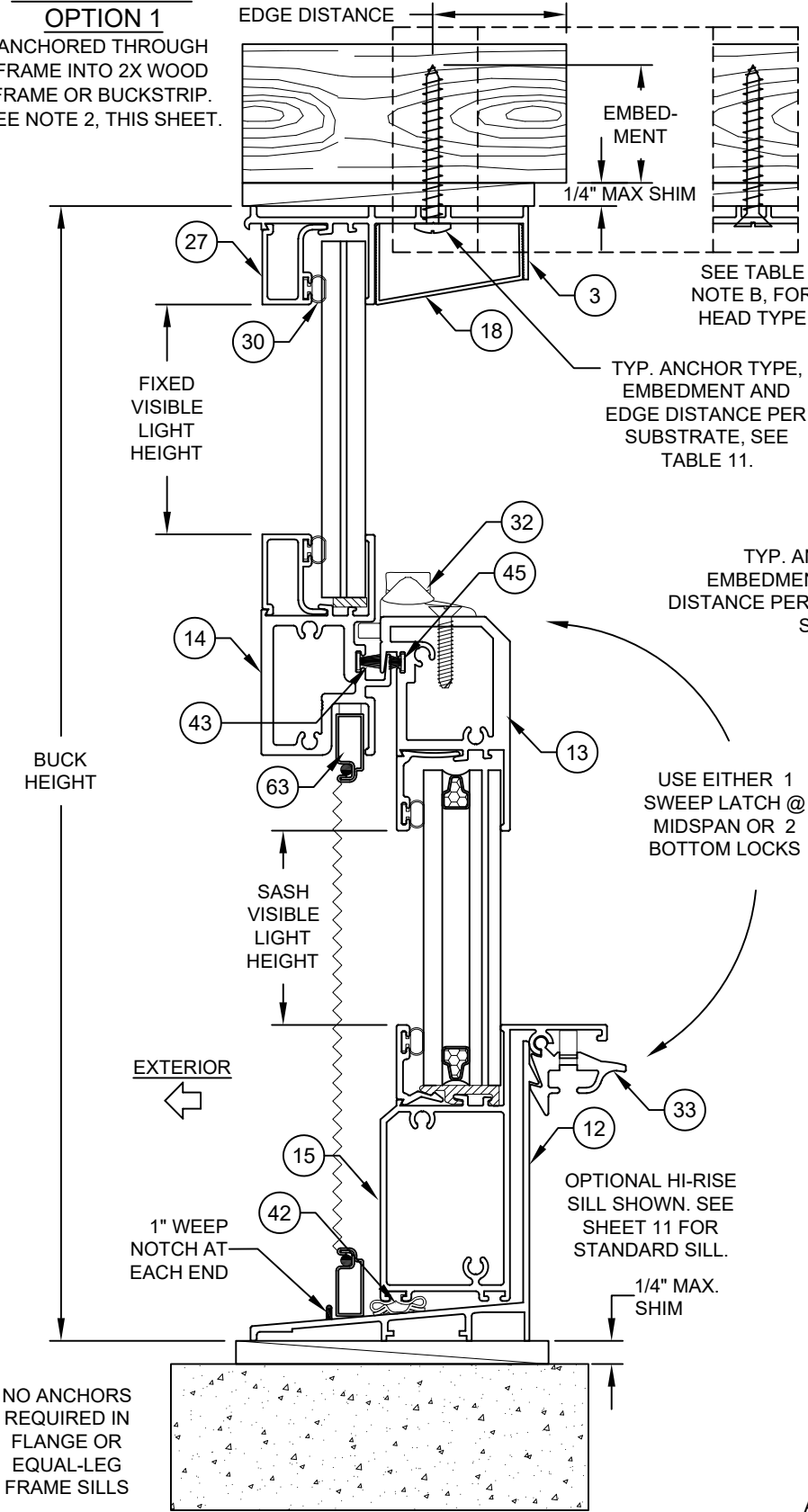
SH7700A-FPA

ANTHONY LYNN MILLER
LICENSE
No. 58705
03/31/26
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

INSTALLATION DETAILS FOR EQUAL-LEG FRAMES

INSTALLATION
OPTION 1

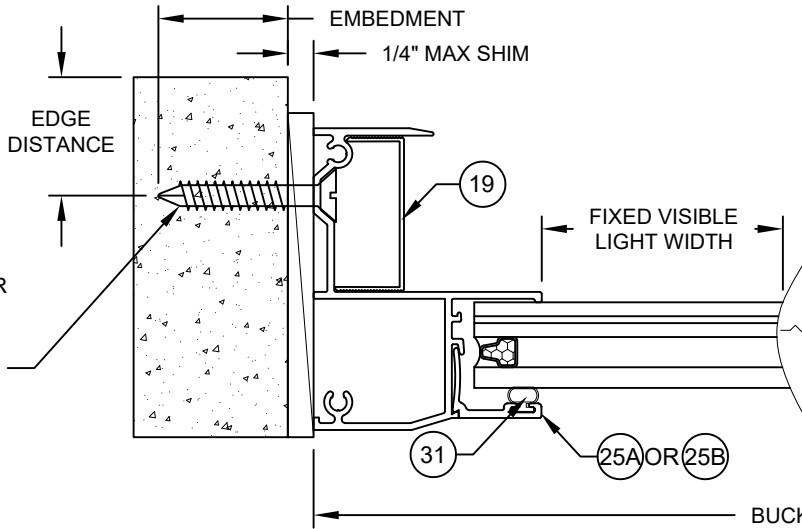
ANCHORED THROUGH
FRAME INTO 2X WOOD
FRAME OR BUCKSTRIP.
SEE NOTE 2, THIS SHEET.



NO ANCHORS
REQUIRED IN
FLANGE OR
EQUAL-LEG
FRAME SILLS

VERTICAL SECTION B-B

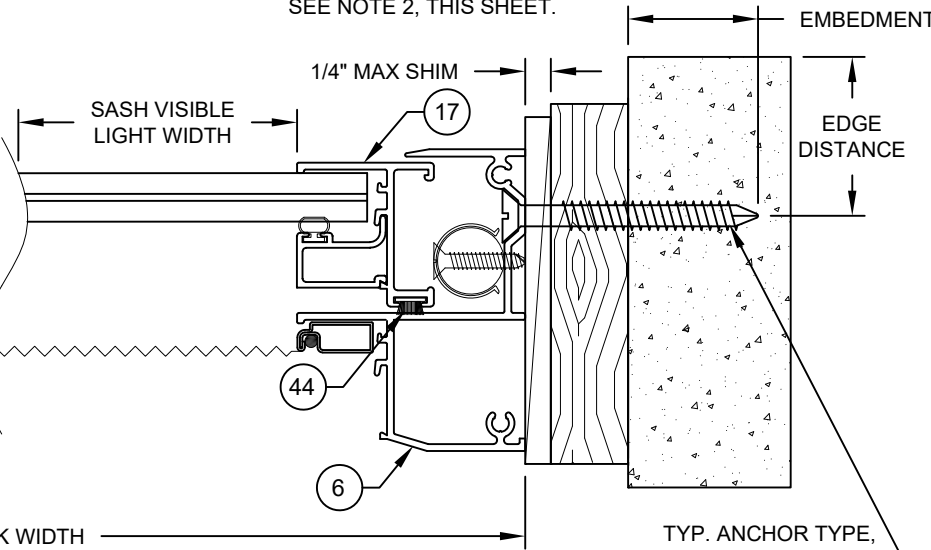
INSTALLATION OPTION 2
ANCHORED THROUGH FRAME
DIRECTLY INTO CONCRETE/CMU.



EXTERIOR

HORIZONTAL SECTION A-A

INSTALLATION OPTION 3
ANCHORED THROUGH FRAME AND 1X
BUCKSTRIP INTO CONCRETE/CMU.
SEE NOTE 2, THIS SHEET.



TYP. ANCHOR TYPE,
EMBEDMENT AND
EDGE DISTANCE PER
SUBSTRATE, SEE
TABLE 11.

VISIBLE LIGHT FORMULAS:
(SHOWN FOR HI-RISE SILL; SEE SHEET 11 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"

TABLE 11:

Anchor	Substrate	Min. Edge Distance	Min. Embedment
#12 Steel, 18-8 or 410 SS Screw	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"
	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"
	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.

NOTES:

- 1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE 11. 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 11. 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.

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N. VENICE, FL 34275
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REGISTRATION #29296

ALUMINUM SINGLE HUNG WINDOW (LM)
EQUAL-LEG X-SECTION

COLTON KEMP

SH7700A

10 OF 13

SH7700A-FPA

ANTHONY LYNN MILLER
LICENSE
No. 58705
03/31/26
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

INSTALLATION DETAILS FOR INTEGRAL FIN FRAMES

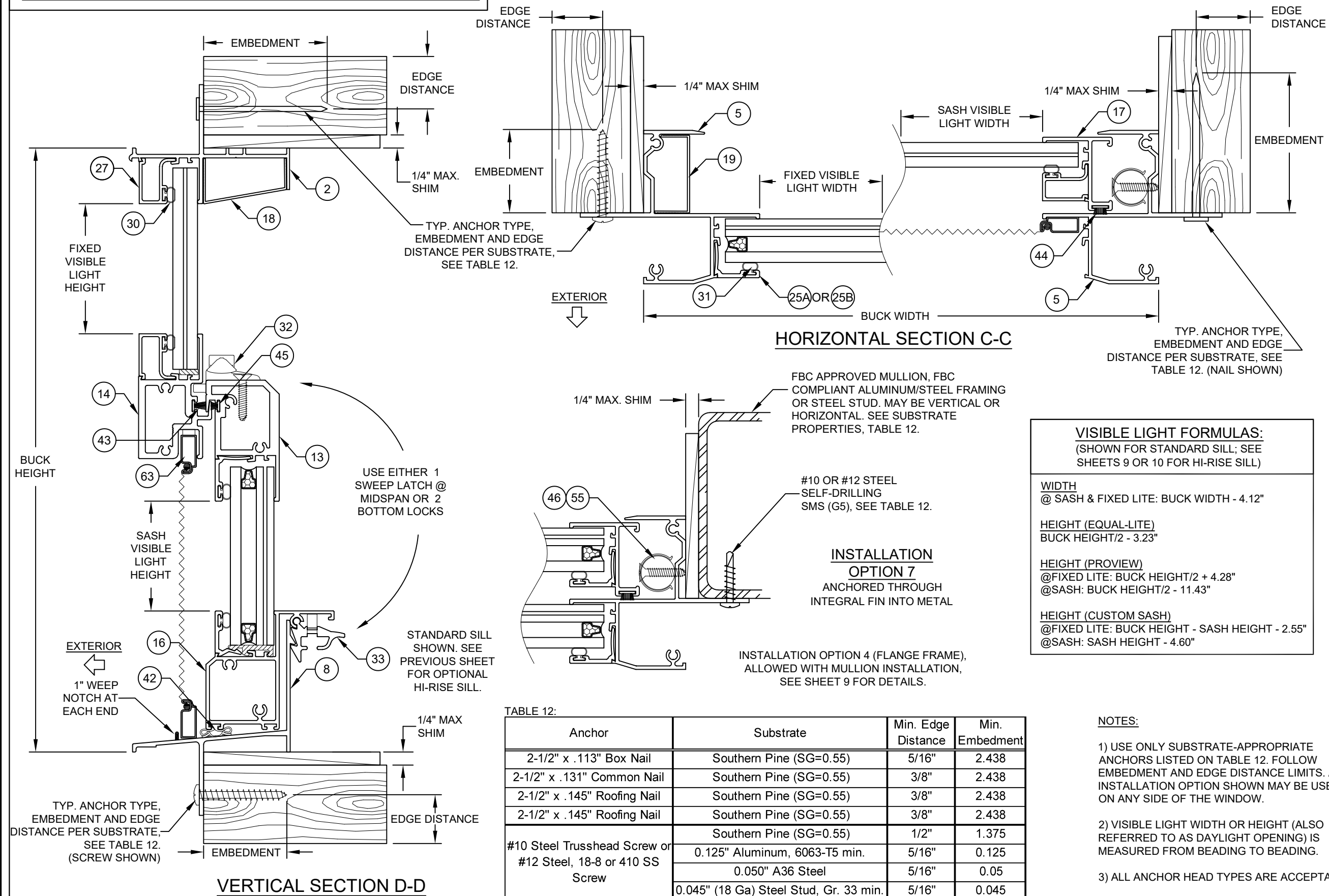


TABLE 12:

Anchor	Substrate	Min. Edge Distance	Min. Embedment
2-1/2" x .113" Box Nail	Southern Pine (SG=0.55)	5/16"	2.438
2-1/2" x .131" Common Nail	Southern Pine (SG=0.55)	3/8"	2.438
2-1/2" x .145" Roofing Nail	Southern Pine (SG=0.55)	3/8"	2.438
2-1/2" x .145" Roofing Nail	Southern Pine (SG=0.55)	3/8"	2.438
#10 Steel Trusshead Screw or #12 Steel, 18-8 or 410 SS Screw	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.

VISIBLE LIGHT FORMULAS:
(SHOWN FOR STANDARD SILL; SEE SHEETS 9 OR 10 FOR HI-RISE SILL)

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

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

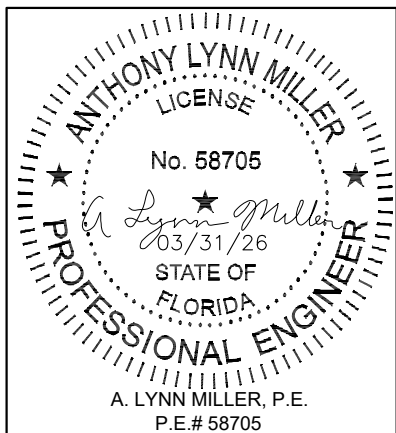
HEIGHT (PROVIEW)
@FIXED LITE: BUCK HEIGHT/2 + 4.28"
@SASH: BUCK HEIGHT/2 - 11.43"

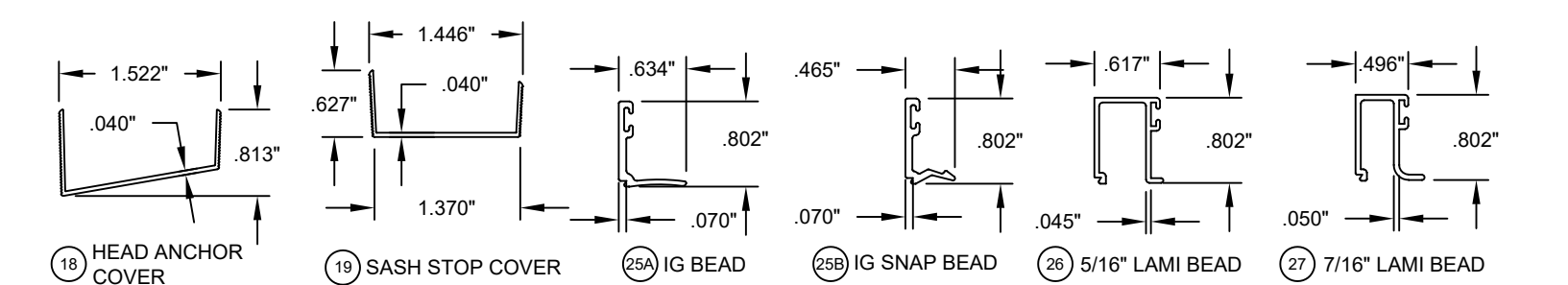
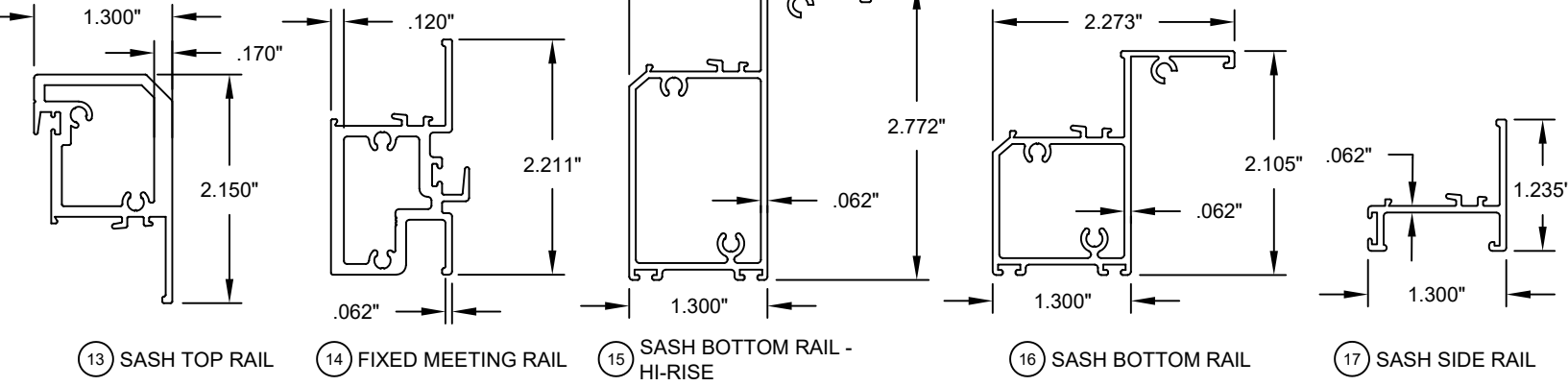
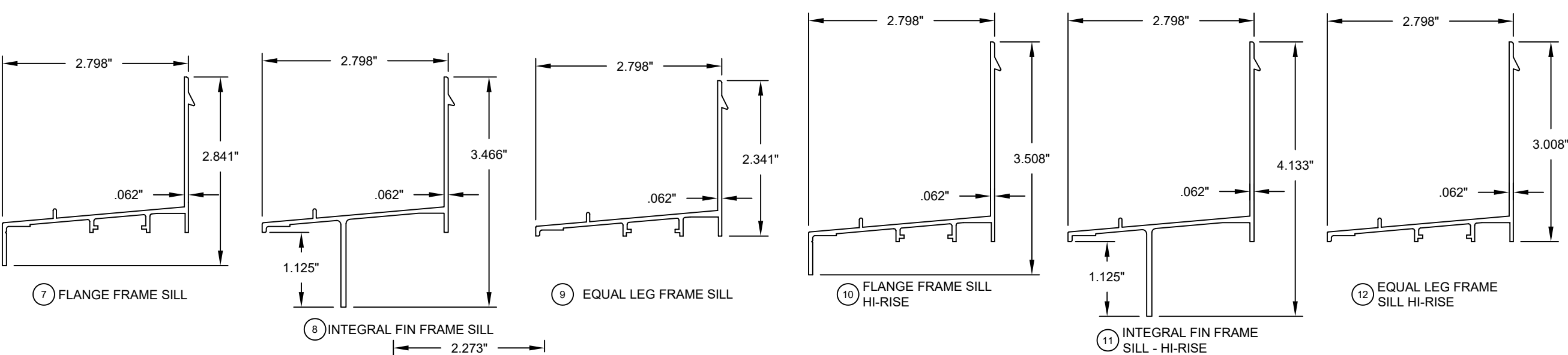
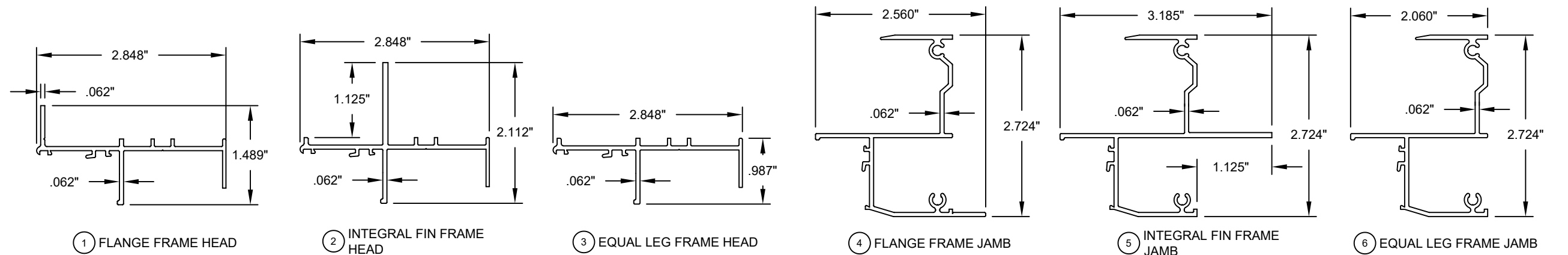
HEIGHT (CUSTOM SASH)
@FIXED LITE: BUCK HEIGHT - SASH HEIGHT - 2.55"
@SASH: SASH HEIGHT - 4.60"

NOTES:

- 1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE 12. 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.
- 3) ALL ANCHOR HEAD TYPES ARE ACCEPTABLE.

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EXTRUSIONS		12 OF 13		SH7700A-FPA	
SH7700A		Sheet		DWG	
No.		By		Date	
Title		Desc.		Series	

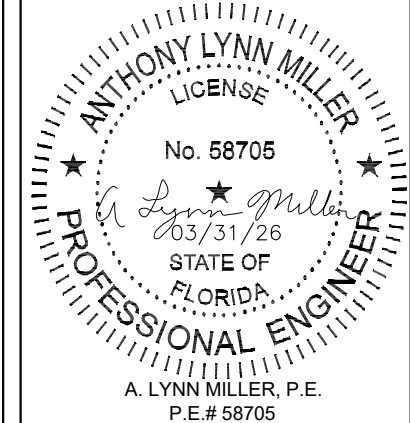
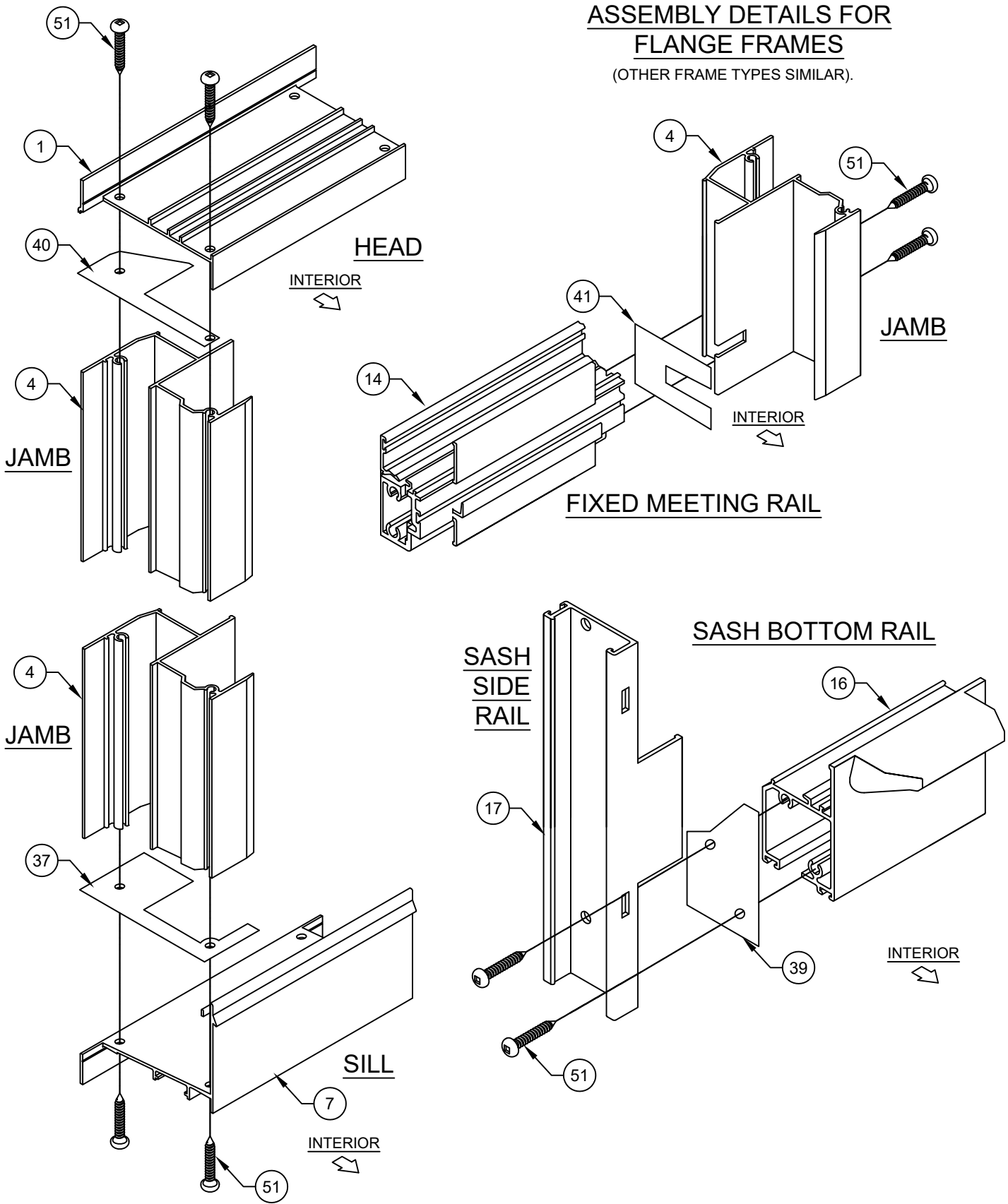


TABLE 13:

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	-	IG Spacer	Varies
74	-	Dow 791, 899, 983 or GE 7700 Backbedding	Silicone



NOTES:

- 1) ALL CORNERS TO USE GASKET AND/OR SEALANT.
2) SOME PARTS/OPTIONS NOT SHOWN ON DRAWING FOR CLARITY.

ASSEMBLY DETAILS FOR
FLANGE FRAMES
(OTHER FRAME TYPES SIMILAR).

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13 OF 13
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