

SERIES DH5560 IMPACT RESISTANT DOUBLE HUNG WINDOW
WITH DIAMOND GLASS

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.

3) 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).

4) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE REQUIRED MIN. EMBEDMENT. INST. 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.

5) 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.

6) 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.

7) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NO 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 WIT OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.

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

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

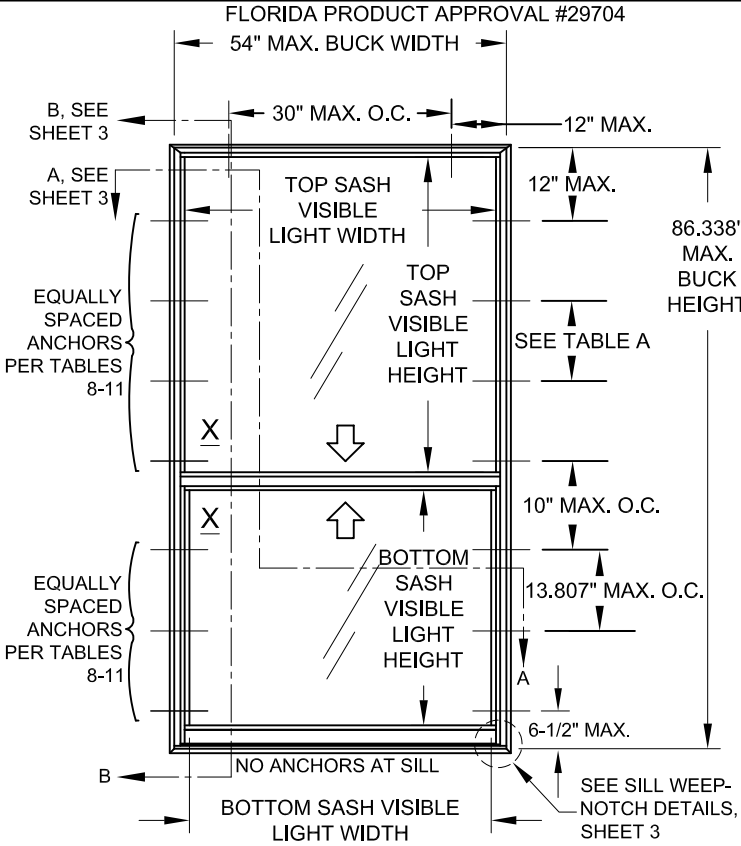
10) FRAME FLANGES OR INTEGRAL FINS MAY BE TRIMMED IN-FIELD TO CREATE AN EQUAL LEG FRAME.

USER INSTRUCTIONS:

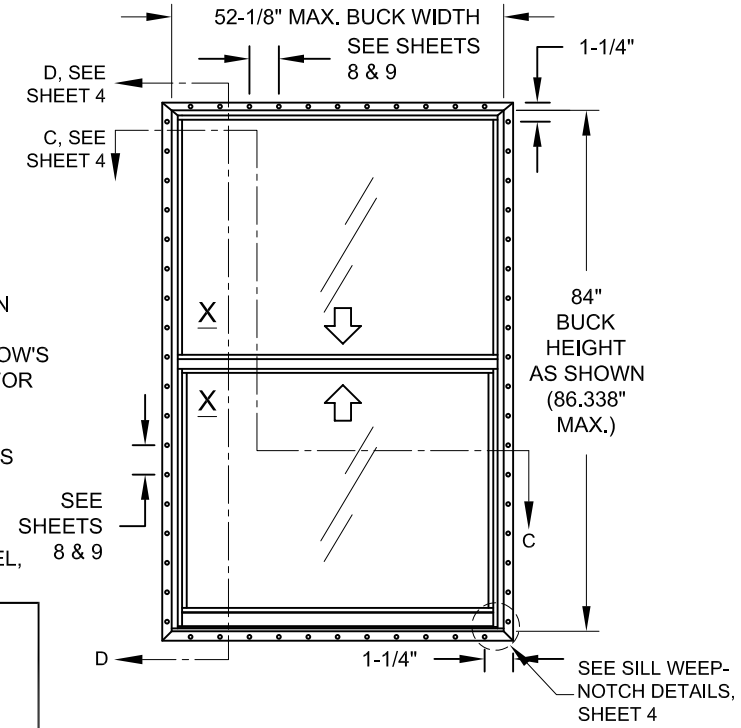
- 1) DETERMINE THE SITE SPECIFIC, WINDOW OPENING'S DESIGN PRESSURE REQUIREMENT FROM ASCE 7.
- 2) DETERMINE THE MOST SUITABLE ANCHOR GROUP FROM TABLES 2 OR 3 ACCORDING TO THE INSTALLATION CONDITIONS.
- 3) KNOWING YOUR GLAZING OPTION (TABLE 1), WINDOW CONFIGURATION AND SIZE, DETERMINE YOUR WINDOW'S DESIGN PRESSURE FROM TABLES 4-7. IT MUST EQUAL OR EXCEED THE DESIGN PRESSURE REQUIREMENT FOR THE WINDOW OPENING OBTAINED IN STEP 1.
- 4) DETERMINE THE ANCHOR QUANTITY FROM TABLES 8-11. VERIFY THE ANCHOR/SUBSTRATE WILL MEET REQUIREMENTS FOR YOUR OPENING'S CONDITION FROM TABLES 2 OR 3, AND THAT ALL MIN. REQUIREMENTS FROM THIS SHEET-SET ARE MET.
- 5) INSTALL AS PER SHEET 3 FOR THRU-FRAME INSTALLATION OR SHEET 4 FOR INTEGRAL FIN INSTALLATION.

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

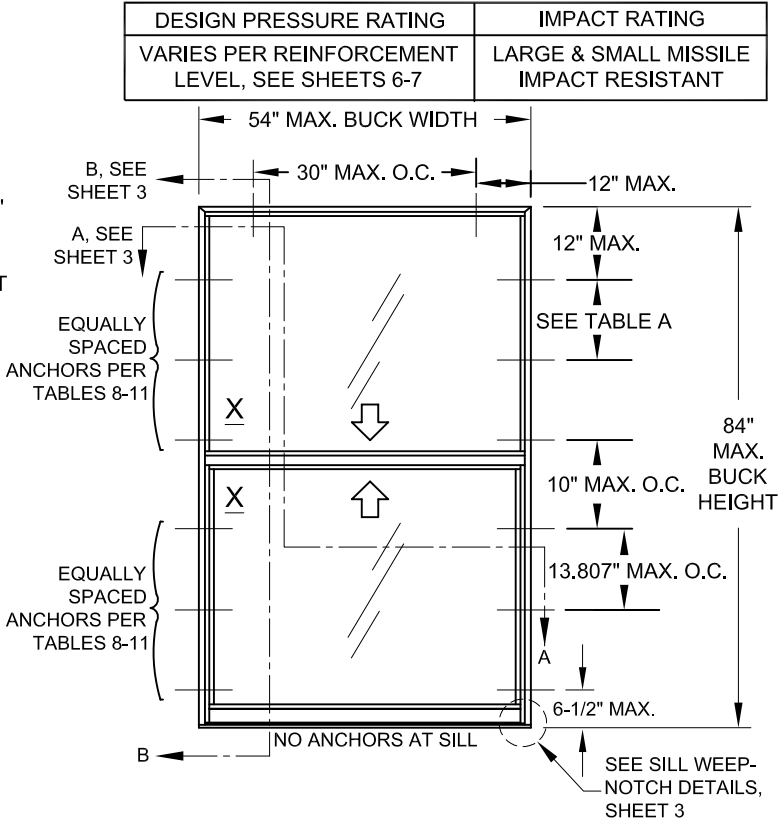
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ELEVATION FOR TYP. FLANGE FRAME
SHOWN WITH ORIEL/PROVIEW CONFIGURATION



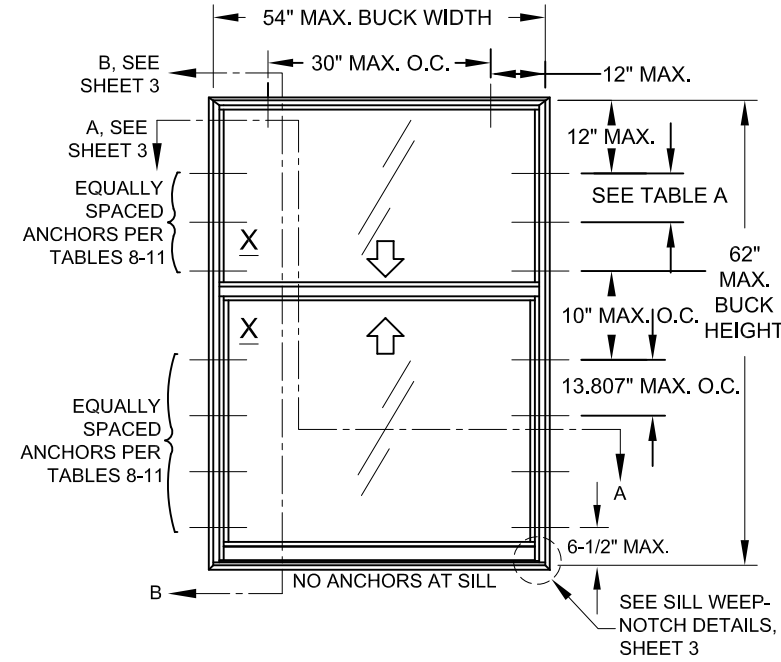
ELEVATION FOR TYP. FIN OR J-CHANNEL FRAME
SHOWN WITH EQUAL-LITE CONFIGURATION
ANCHORED THROUGH THE NAIL-FIN
(SIMILAR ANCHOR DIMENSIONS FOR OTHER CONFIGURATIONS)



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

TABLE A: MAXIMUM O.C. SPACING

Reinf. Level	Above Meeting Rail
R1, R2	15.112"
R3	12"



ELEVATION FOR TYP. FLANGE FRAME
SHOWN WITH STANDARD COTTAGE CONFIGURATION
FOR CUSTOM COTTAGE CONFIGURATION UP TO 75" HEIGHT SEE TABLES 6-11

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296 COPYRIGHT © 2025 PGT, LLC. LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	Date	02/12/25
		By	COLTON KEMP
		VINYL DOUBLE HUNG WINDOW (LM)	
GENERAL NOTES & ELEVATION.		DWG No.	1 OF 14
DH5560		Sheet	

PGT Custom Windows and Doors
3400 PRECISION DRIVE
N. VENICE, FL 34275
(941) 480-1600

ANTHONY LYNN MILLER
LICENSE
No. 58705
02/12/25
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 1: ALLOWABLE GLASS TYPES

Glass Type	Description (Listed from Exterior to Interior)	Design Pressure	
		Table #	Sheet #
1	7/8" Laminated I.G.: 1/8" A Exterior Cap + 1/2" Air Space + 1/8" A Glass + .090 PVB Interlayer + 0.7mm ATG	4	6
2	7/8" Laminated I.G.: 1/8" T Exterior Cap + 1/2" Air Space + 1/8" A Glass + .090 PVB Interlayer + 0.7mm ATG	4	6
3	7/8" Laminated I.G.: 1/8" H Exterior Cap + 1/2" Air Space + 1/8" H Glass + .090 PVB Interlayer + 0.7mm ATG	5	6
4	7/8" Laminated I.G.: 1/8" T Exterior Cap + 1/2" Air Space + 1/8" H Glass + .090 PVB Interlayer + 0.7mm ATG	5	6
5	7/8" Laminated I.G.: 3/16" A Exterior Cap + 3/8" Air Space + 3/16" A Glass + .090 PVB Interlayer + 0.7mm ATG	5, 6	6, 7
6	7/8" Laminated I.G.: 3/16" T Exterior Cap + 3/8" Air Space + 3/16" A Glass + .090 PVB Interlayer + 0.7mm ATG	5, 6	6, 7
7	7/8" Laminated I.G.: 1/8" T Exterior Cap + 1/2" Air Space + 1/8" T Glass + .090 SG Interlayer + 0.7mm ATG	7	7

"A" = ANNEALED
"H" = HEAT STRENGTHENED
"T" = TEMPERED
"PVB" = .090" TROSIFOL® PVB
BY KURARAY AMERICA, INC.
"SG" = .090" SENTRYGLAS® INTERLAYER
BY KURARAY AMERICA, INC.
"ATG" = 0.7mm ARCHITECTURAL TECHNICAL GLASS
BY CORNING, INC.

TABLE 2: ALLOWABLE ANCHORS THROUGH THE FRAME

Group	Anchor	Substrate	Min. Edge Distance	Min. Embedment*
A	#10 SMS (steel, 18-8 S.S. or 410 S.S.)	Southern Pine (SG=0.55)	7/16"	1-3/8"
		Steel, A36*	3/8"	0.050"
		Steel Stud, A653 Gr. 33*	3/8"	0.0451" (18 Ga.)
		Aluminum, 6063-T5*	3/8"	0.050"
	3/16" steel Ultracon+	Southern Pine (SG=0.55)	7/16"	1-3/8"
B	#12 SMS (steel, 18-8 S.S. or 410 S.S.)	Concrete (min. 3 ksi)	1"	1-3/8"
		UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
		Southern Pine (SG=0.55)	9/16"	1-3/8"
		Steel, A36*	3/8"	0.050"
	1/4" steel Ultracon+	Steel Stud, A653 Gr. 33*	3/8"	0.0451" (18 Ga.)
	1/4" steel Creteflex	Aluminum, 6063-T5*	3/8"	0.063"
	1/4" steel Aggre-Gator	Southern Pine (SG=0.55)	1"	1-3/8"
C	1/4" steel Ultracon+	Concrete (min. 3 ksi)	1-3/16"	1-3/4"
	1/4" steel Creteflex	UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
	1/4" steel Ultracon+	Concrete (min. 3.35 ksi)	1"	1-3/4"
D	1/4" steel Ultracon+	Concrete (min. 3 ksi)	2-1/2"	1-3/4"
	1/4" steel Ultracon+	UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"
	1/4" steel Creteflex	Concrete (min. 3.35 ksi)	2-1/2"	1-3/4"
	1/4" steel Aggre-Gator	UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"
		Concrete (min. 3.275 ksi)	1-1/2"	1-3/8"
		Grouted CMU, (ASTM C-90)	2"	2"

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

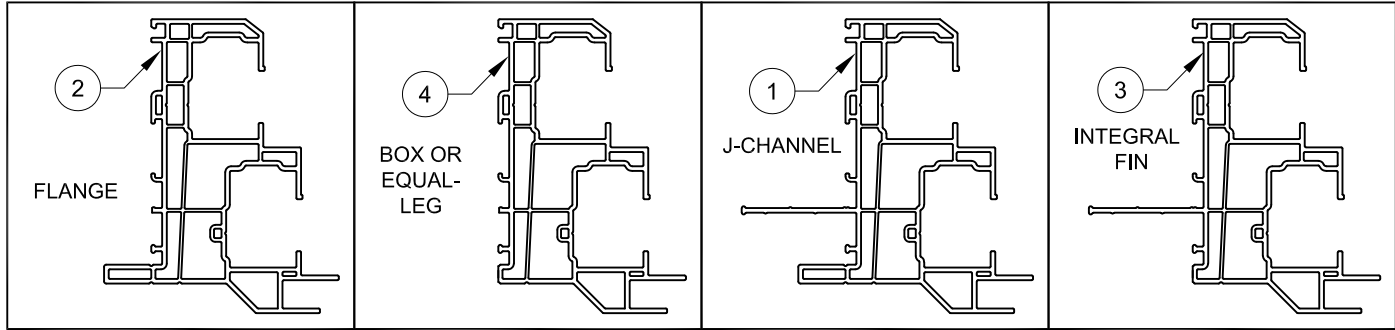
TABLE 3: ALLOWABLE ANCHORS THROUGH THE INTEGRAL FIN

Group	Anchor	Substrate	Min. Edge Distance	Min. Embedment*
E	2-1/2" x .131" Common Nail	Southern Pine (SG=.55)	3/8"	2-7/16"
	2-1/2" Ring-shank Roofing Nail	Southern Pine (SG=.55)	3/8"	2-7/16"
	#10 Trusshead SMS (steel, 18-8 S.S. or 410 S.S.)	Southern Pine (SG=.55)	1/2"	1-3/8"
		Aluminum, 6063-T5*	3/8"	0.050"
		Steel Stud, Gr. 33*	3/8"	0.0451" (18 Ga.)
		Steel, A36*	3/8"	0.050"
	#12 Pan Head or Flat Head SMS (steel, 18-8 S.S. or 410 S.S.)	Southern Pine (SG=.55)	9/16"	1-3/8"
		Aluminum, 6063-T5*	3/8"	0.063"
		Steel Stud, Gr. 33*	3/8"	0.050"
		Steel, A36*	3/8"	0.050"

* MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.

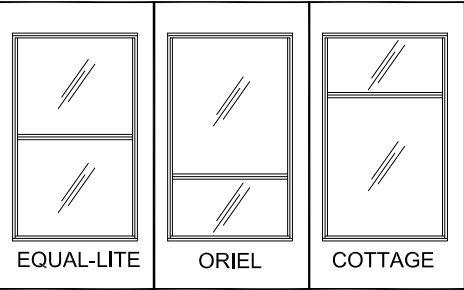
GLASS TYPES 1, 3, & 5 MAY NOT BE USED IN THE HVHZ ABOVE 30'.

FIGURE B: FRAME TYPES



Frame Types (see Fig B)	Glass Options (see Table 1)	Frame Configs. (see Fig A)	Installation Options that may be used	
Flange (#2)	1 - 7	Equal-Lite, Oriel/Proview & Cottage	Through the frame of the window.....	into 2X Wood Frame/Buckstrip - sheet 3, option 1
				into Concrete/CMU - sheet 3, option 2
				through 1X Buckstrip into Concrete/CMU - sheet 3, option 3
				into Metal - sheet 3, option 4
Box / Equal-Leg (#4)	1 - 7	Equal-Lite, Oriel/Proview & Cottage	Through the frame of the window.....	into 2X Wood Frame/Buckstrip - sheet 3, option 1
				into Concrete/CMU - sheet 3, option 2
				through 1X Buckstrip into Concrete/CMU - sheet 3, option 3
				into Metal - sheet 3, option 4
J-Channel (#1)	1 - 6	Equal-Lite, Oriel/Proview & Cottage	Through the integral fin.....	into 2X Wood Frame/Buckstrip - sheet 4, option 5
			Through the frame of the window.....	into Metal - sheet 4, option 7
				into 2X Wood Frame/Buckstrip - sheet 4, option 6
				into Metal - sheet 4, option 8
Integral Fin (#3)	1 - 6	Equal-Lite, Oriel/Proview & Cottage	Through the integral fin.....	into 2X Wood Frame/Buckstrip - sheet 4, option 5
			Through the frame of the window.....	into Metal - sheet 4, option 7
				into 2X Wood Frame/Buckstrip - sheet 4, option 6
				into Metal - sheet 4, option 8

FIGURE A: FRAME CONFIGURATIONS

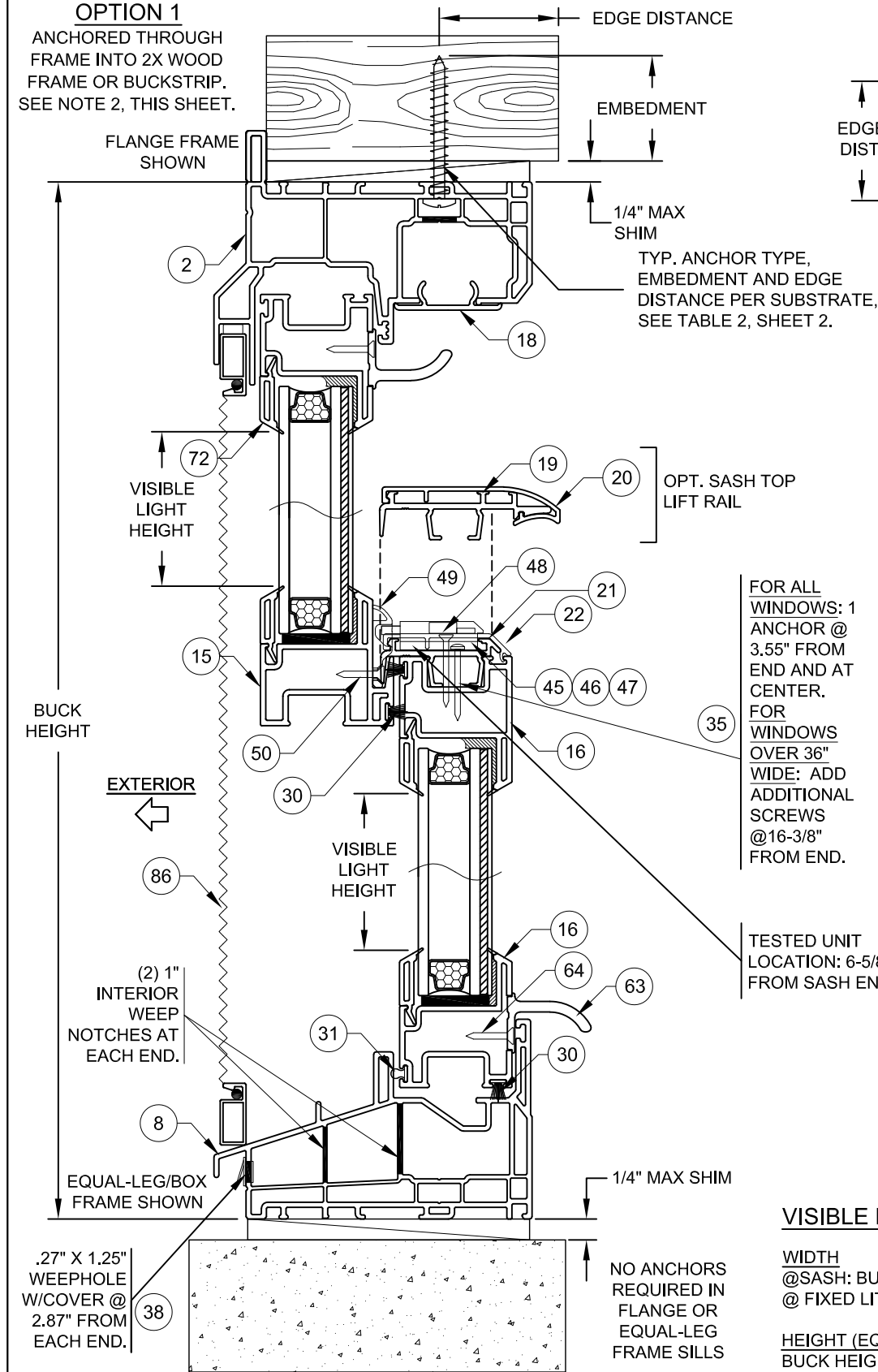


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PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600	VINYL DOUBLE HUNG WINDOW (LM)	By	FRAME, GLASS & ANCHOR OPT.	2 OF 14
ANTHONY LYNN MILLER LICENSE No. 58705 02/12/25 STATE OF FLORIDA PROFESSIONAL ENGINEER A. LYNN MILLER, P.E. P.E.# 58705	Series	Title	Desc.	Sheet

INSTALLATION DETAILS FOR FLANGE & EQUAL-LEG/BOX FRAMES

INSTALLATION
OPTION 1

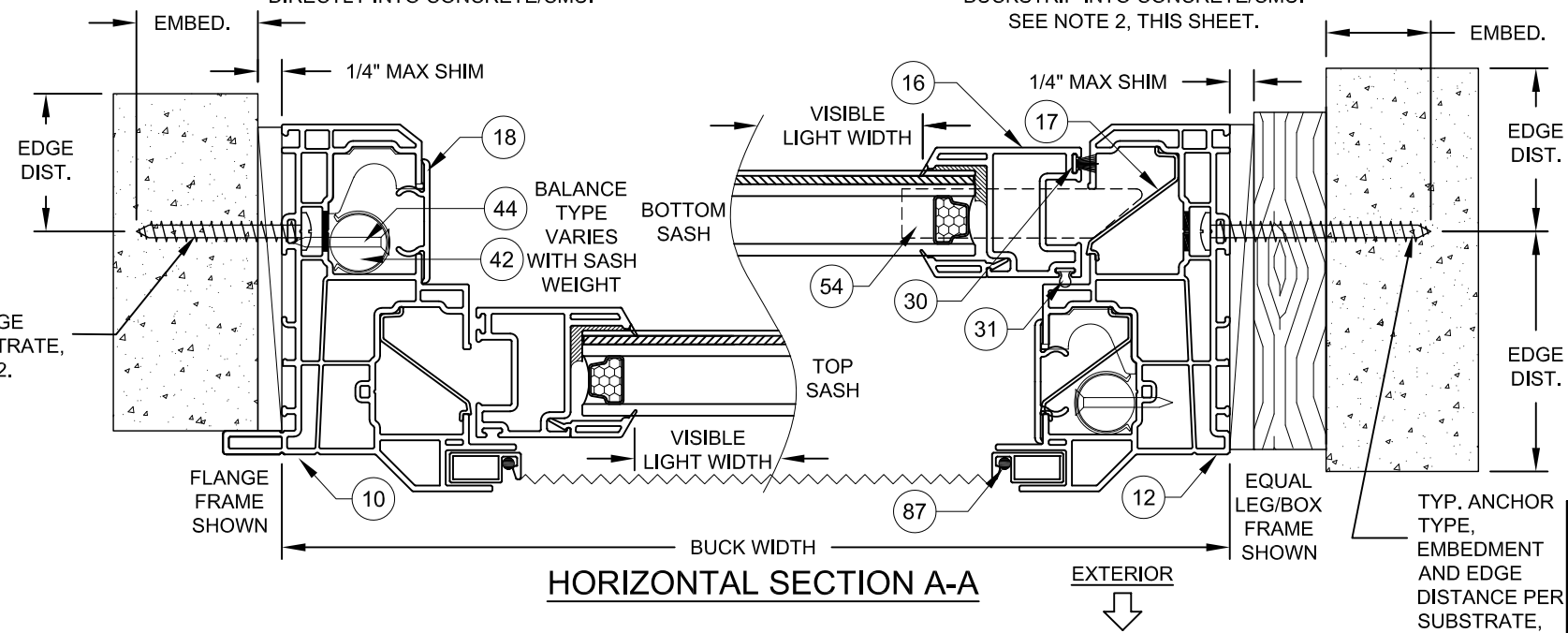
ANCHORED THROUGH
FRAME INTO 2X WOOD
FRAME OR BUCKSTRIP.
SEE NOTE 2, THIS SHEET.



VERTICAL SECTION B-B

INSTALLATION OPTION 2

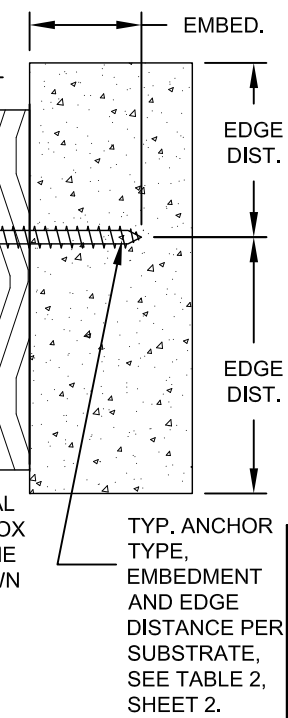
ANCHORED THROUGH FRAME
DIRECTLY INTO CONCRETE/CMU.



HORIZONTAL SECTION A-A

INSTALLATION OPTION 3

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



NOTES:

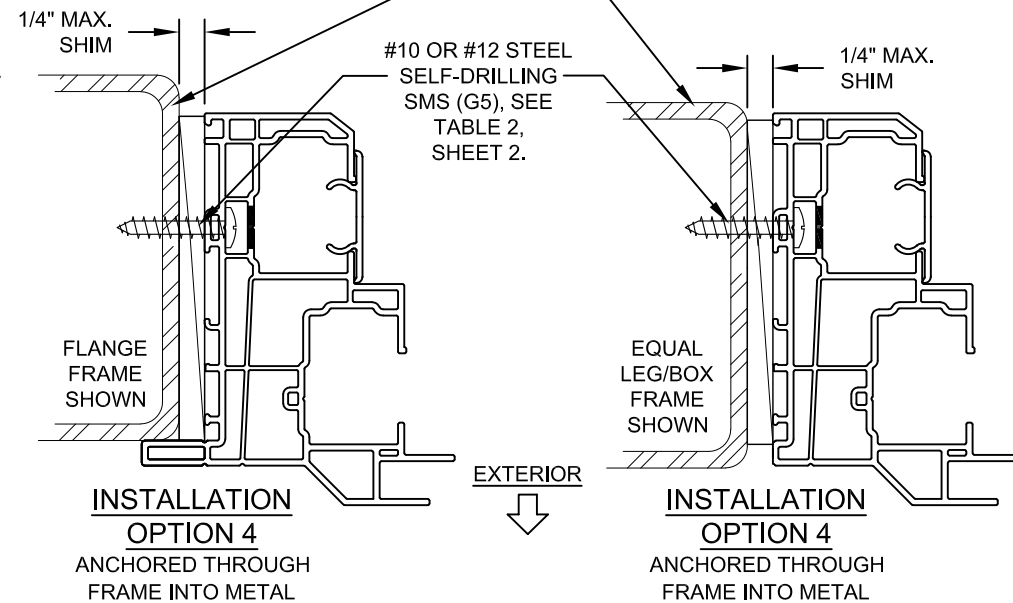
- 1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE 2, SHEET 2. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.
- 2) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 2, SHEET 2. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 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.

VISIBLE LIGHT FORMULAS

WIDTH
@SASH: BUCK WIDTH - 6-1/2"
@ FIXED LITE: BUCK WIDTH - 7-1/2"

HEIGHT (EQUAL-LITE)
BUCK HEIGHT/2 - 4-3/8"

FBC APPROVED MULLION, FBC COMPLIANT
ALUMINUM/STEEL FRAMING OR STEEL STUD.
MAY BE VERTICAL OR HORIZONTAL. SEE
SUBSTRATE PROPERTIES, TABLE 2, SHEET 2.



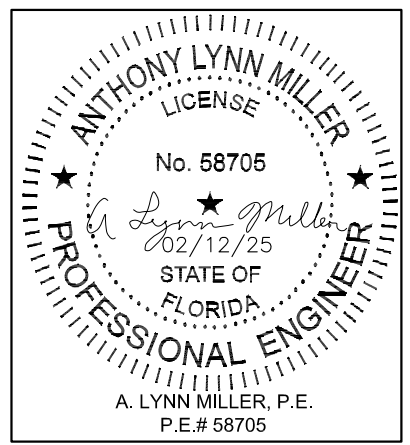
INSTALLATION
OPTION 4

ANCHORED THROUGH
FRAME INTO METAL

INSTALLATION
OPTION 4

ANCHORED THROUGH
FRAME INTO METAL

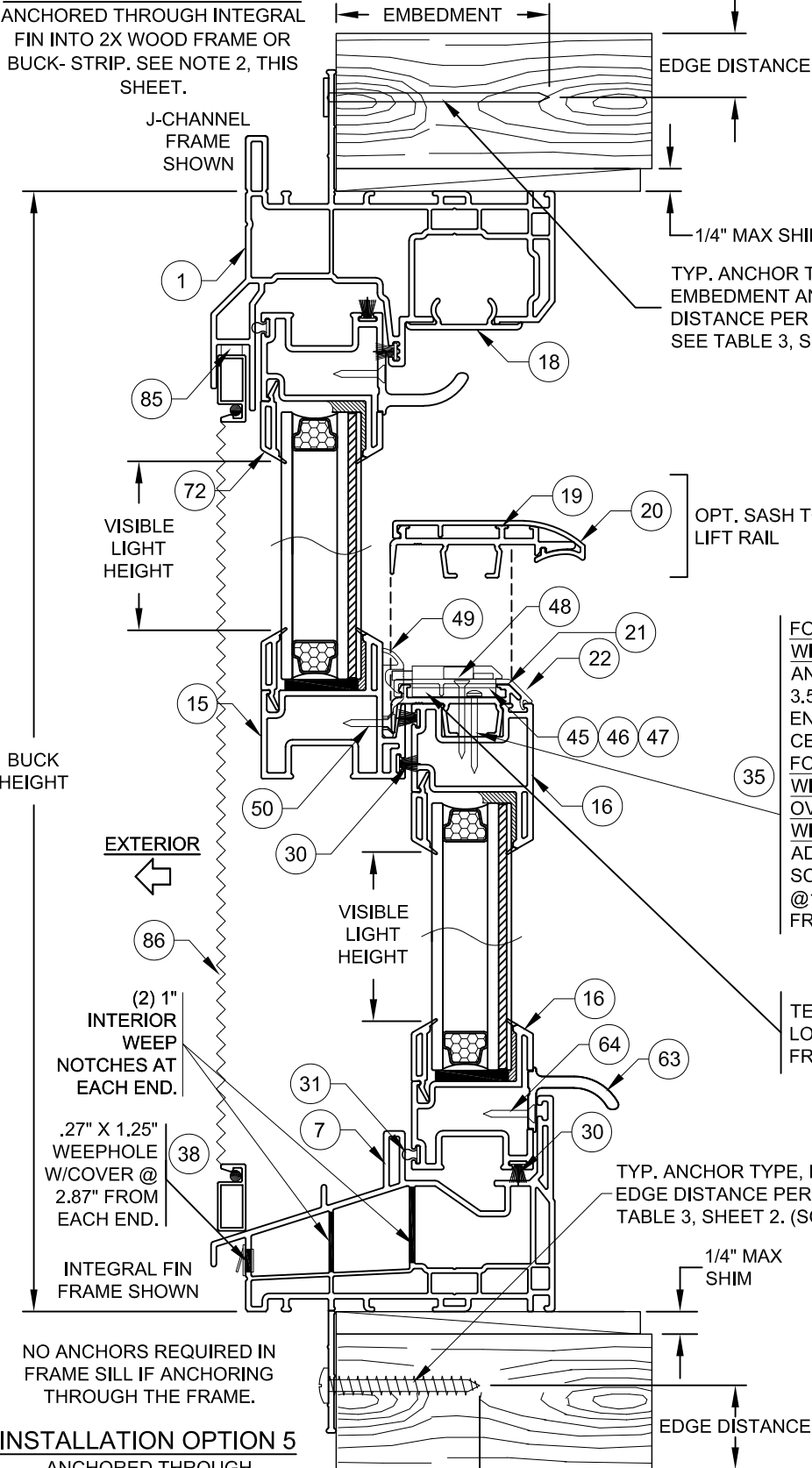
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PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		VINYL DOUBLE HUNG WINDOW (LM)		By		INST., FLANGE & EQUAL LEG/BOX		3 OF 14	
Series		Title		Sheet		DWG		No.	
DH5560		INST., FLANGE & EQUAL LEG/BOX		3 OF 14		No.		DH5560-DG-LM	



INSTALLATION DETAILS FOR INTEGRAL FIN & J-CHANNEL FRAMES

INSTALLATION OPTION 5

ANCHORED THROUGH INTEGRAL FIN INTO 2X WOOD FRAME OR BUCK- STRIP. SEE NOTE 2, THIS SHEET.



INSTALLATION OPTION 5

ANCHORED THROUGH INTEGRAL FIN INTO 2X WOOD FRAME OR BUCK- STRIP. SEE NOTE 2, THIS SHEET.

VERTICAL SECTION D-D

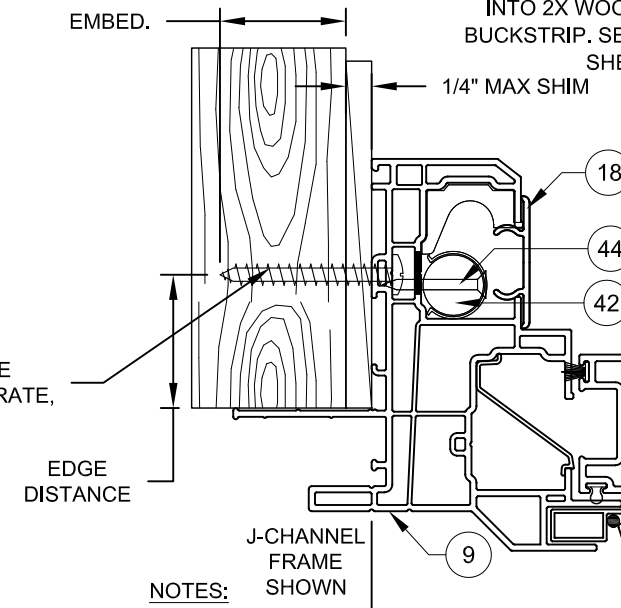
VISIBLE LIGHT FORMULAS

WIDTH
@SASH: BUCK WIDTH - 6-1/2"
@ FIXED LITE: BUCK WIDTH - 7-1/2"

HEIGHT (EQUAL-LITE)
BUCK HEIGHT/2 - 4-3/8"

INSTALLATION OPTION 6

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

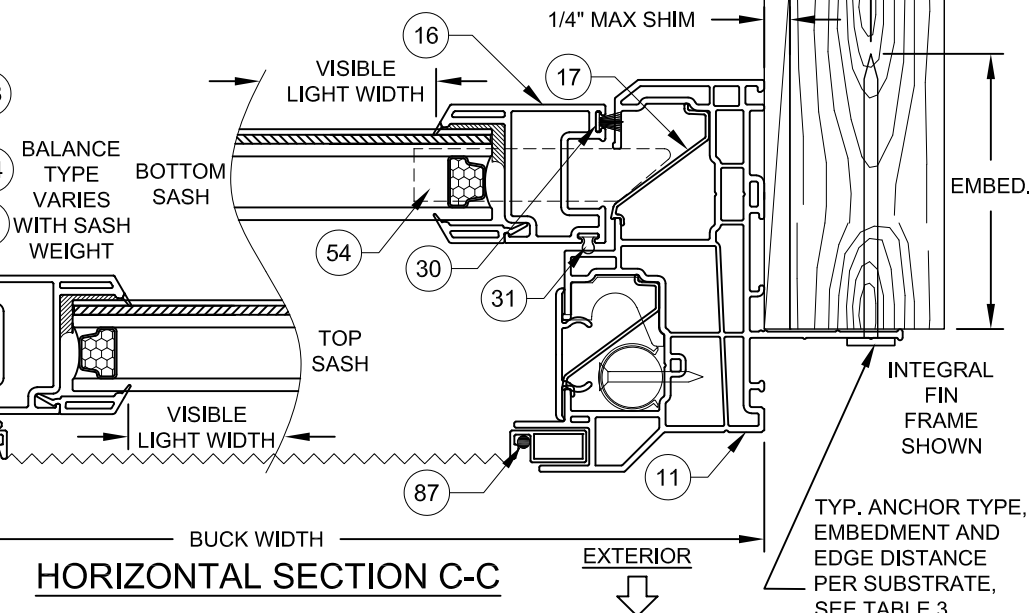


NOTES:

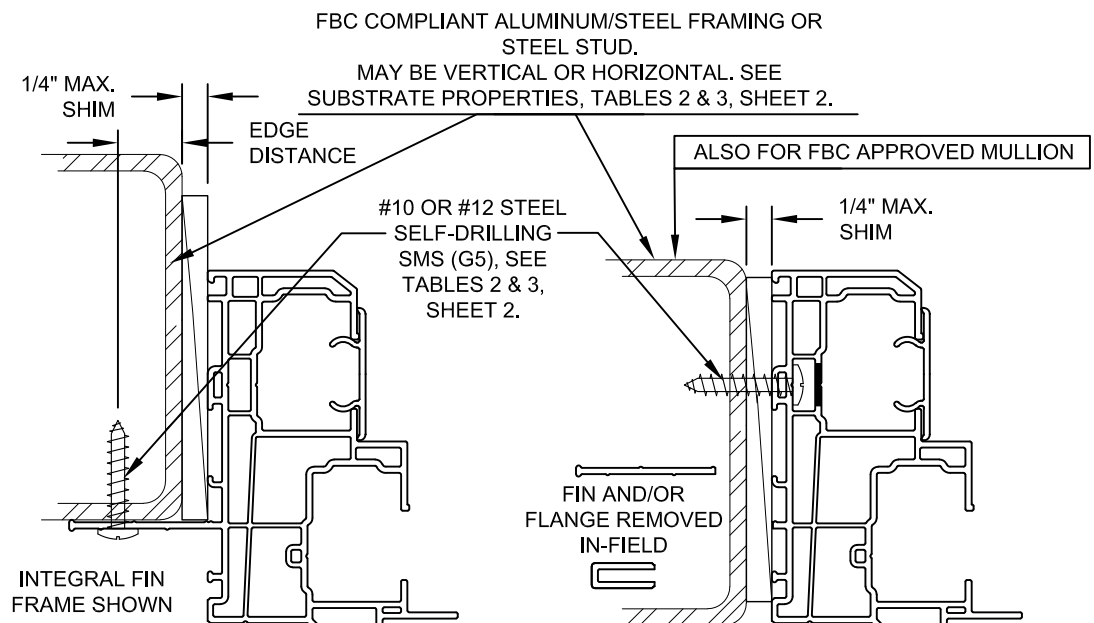
- 1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLES 2 & 3 OF SHEET 2. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.
- 2) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 2, SHEET 2. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE 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.

INSTALLATION OPTION 5

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



HORIZONTAL SECTION C-C



INSTALLATION OPTION 7

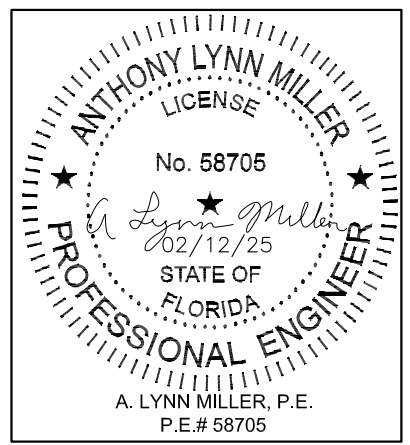
ANCHORED THROUGH INTEGRAL FIN INTO METAL

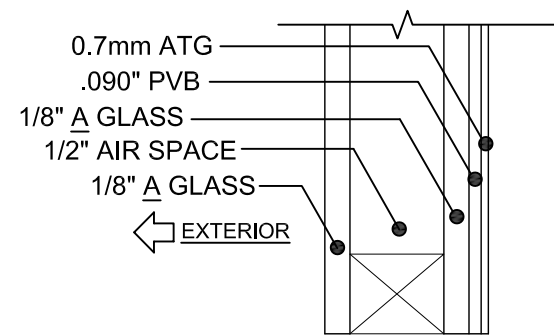
INSTALLATION OPTION 8

ANCHORED THROUGH FRAME INTO METAL (INTEGRAL FIN/FLANGE REMOVED)

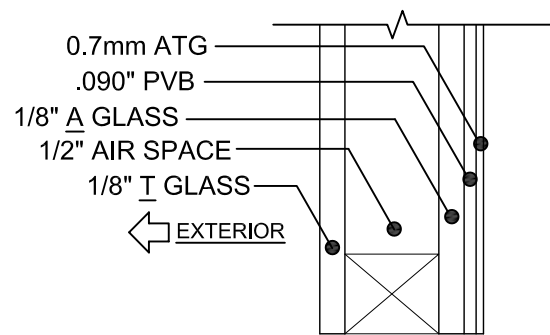
INSTALLATION OPTION 4 (FLANGE FRAME), ALLOWED WITH MULLION INSTALLATION, SEE PAGE 3 FOR DETAILS

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INST., INTEGRAL FIN & J-CH.		4 OF 14		Sheet DH5560	

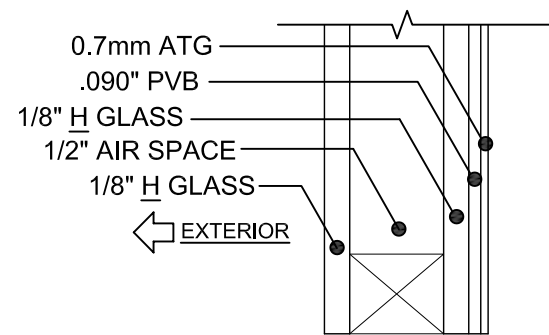




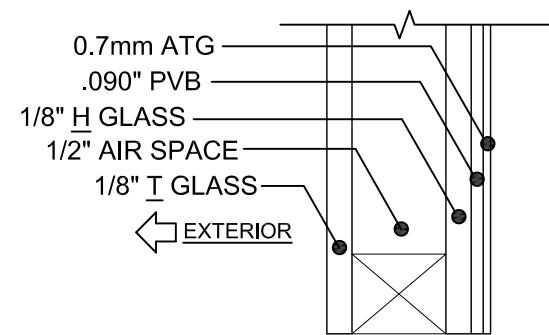
GLASS TYPE 1
7/8" NOM. GLASS STACK



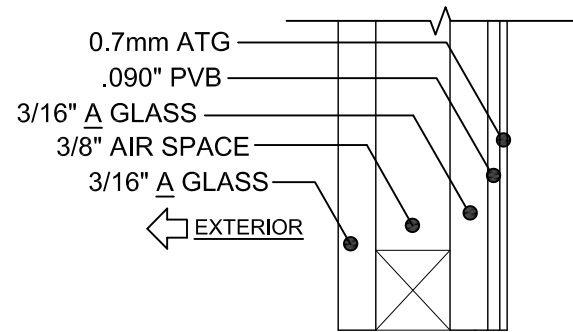
GLASS TYPE 2
7/8" NOM. GLASS STACK



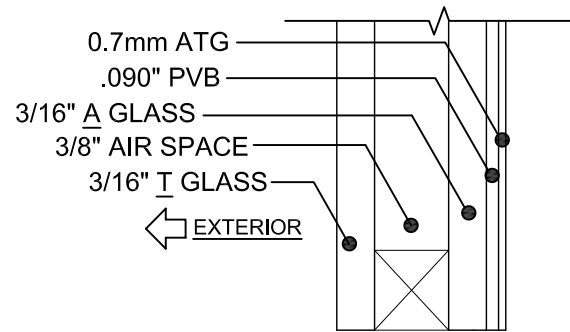
GLASS TYPE 3
7/8" NOM. GLASS STACK



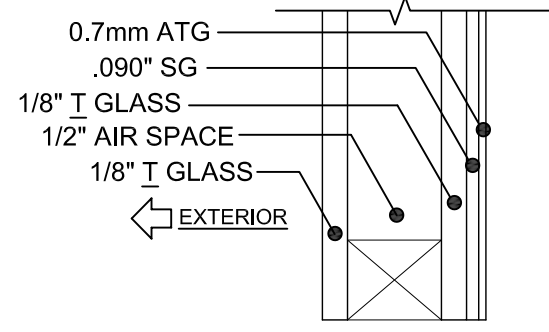
GLASS TYPE 4
7/8" NOM. GLASS STACK



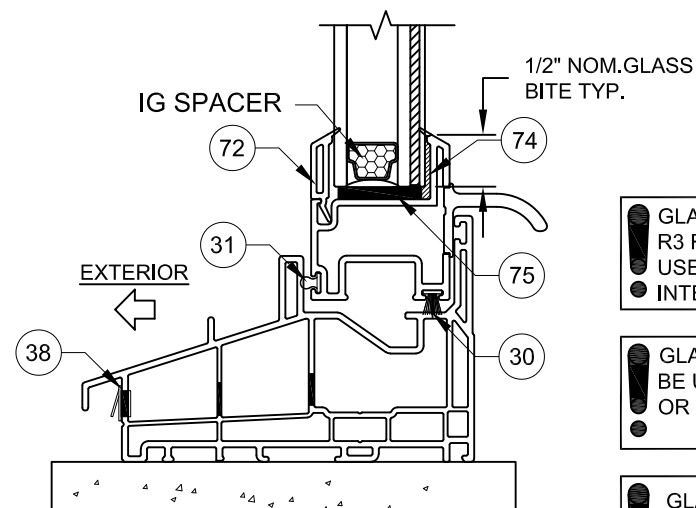
GLASS TYPE 5
7/8" NOM. GLASS STACK



GLASS TYPE 6
7/8" NOM. GLASS STACK



GLASS TYPE 7
7/8" NOM. GLASS STACK



TYP. GLAZING DETAIL

- GLASS TYPES 5 & 6 WITH R3 REINF. MAY NOT BE USED WITH J-CHANNEL OR INTEGRAL FIN FRAMES
- GLASS TYPES 7 MAY NOT BE USED WITH J-CHANNEL OR INTEGRAL FIN FRAMES
- GLASS TYPES 1, 3, & 5 MAY NOT BE USED IN THE HVHZ ABOVE 30'.

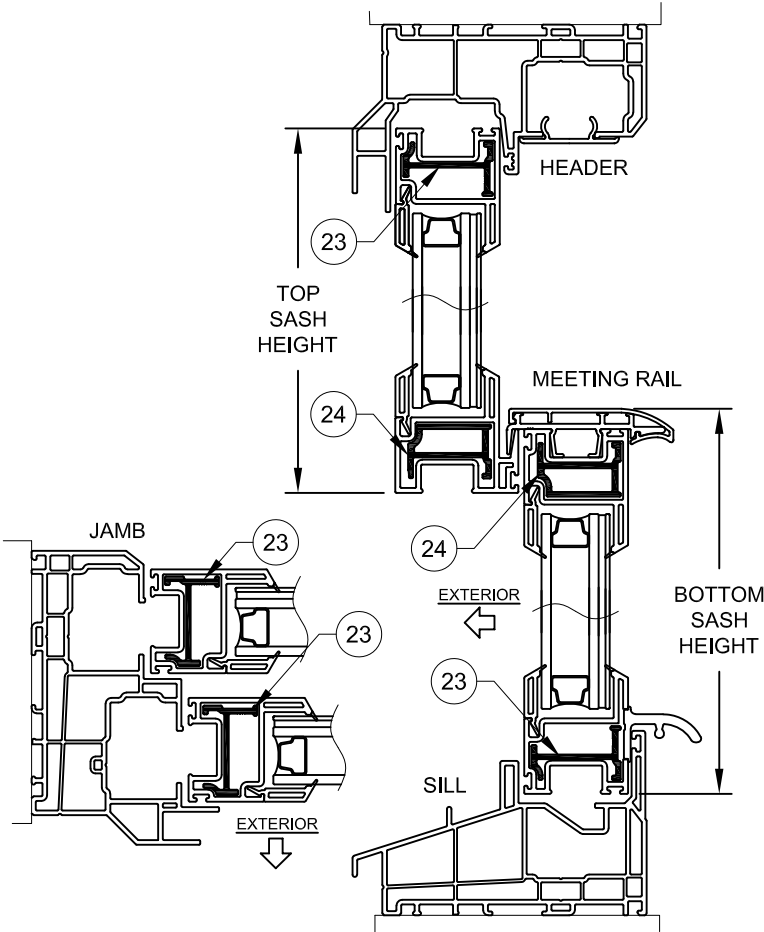
GLAZING NOTES:
 "A" = ANNEALED
 "H" = HEAT STRENGTHENED
 "T" = TEMPERED
 "PVB" = .090" TROSIFOL® PVB BY KURARAY AMERICA, INC.
 "SG" = .090" SENTRYGLAS® INTERLAYER BY KURARAY AMERICA, INC.
 "ATG" = 0.7mm ARCHITECTURAL TECHNICAL GLASS BY CORNING, INC.
 FOR LAMINATED GLAZING COMPONENTS, SEE TABLE 1, SHEET 2.

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PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		VINYL DOUBLE HUNG WINDOW (LM)		02/12/25 Date
GLAZING DETAILS.		COLTON KEMPf Drawn By		DH5560-DG-LM
DH5560	5 OF 14	DWG No.	5 OF 14	
Series	Desc.	Title	Sheet	

TABLE 4:

Glass Types: 1 & 2	Design Pressure, lbs/ft ²
	+50.0 / -50.0
Reinforcement Level: R1	For all window & sash sizes per Table 8

SEE TABLE 8, SHEET 8 FOR
ALLOWABLE SIZES & ANCHOR
GROUP AND QUANTITY.

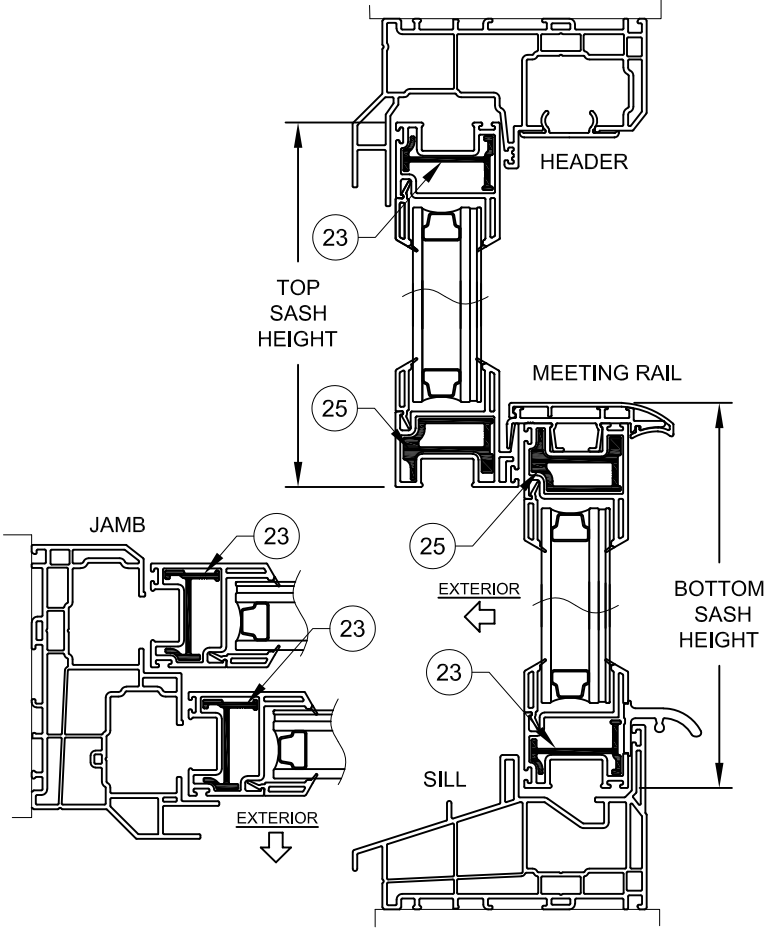


SECTION DETAIL FOR WINDOWS WITH
LEVEL R1 REINFORCEMENT & GLASS TYPES 1 & 2
(REINFORCEMENTS SHOWN IN FIGURES
ABOVE APPLY TO ALL FRAME TYPES &
CONFIGURATIONS)

TABLE 5:

Glass Types: 3, 4, 5, & 6	Design Pressure, lbs/ft ²
	+65.0 / -70.0
Reinforcement Level: R2	For all window & sash sizes per Table 9

SEE TABLE 9, SHEET 9 FOR
ALLOWABLE SIZES & ANCHOR
GROUP AND QUANTITY.



SECTION DETAIL FOR WINDOWS WITH
LEVEL R2 REINFORCEMENT & GLASS TYPES 3-6
(REINFORCEMENTS SHOWN IN FIGURES
ABOVE APPLY TO ALL FRAME TYPES &
CONFIGURATIONS)

NOTES:

- 1) USE THESE TABLES FOR ALL WINDOWS INSTALLED THROUGH THE FRAME OR INTEGRAL FIN.
- 2) FRAME DIMENSIONS ARE BUCK. SASH HEIGHT IS AS PER THE FIGURE.
- 3) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.

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PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		VINYL DOUBLE HUNG WINDOW (LM)		COLTON KEMPF	
SPACERS & DP TABLES		6 OF 14		DH5560-DG-LM	
DH5560		Sheet		DWG No.	
Series		Desc.		Title	

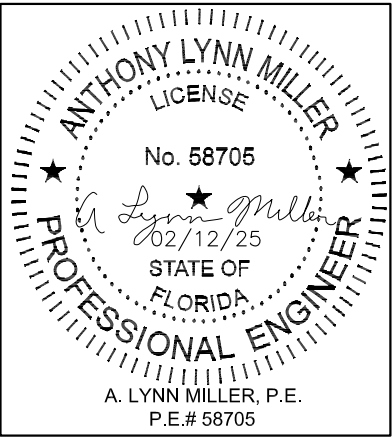


TABLE 6:

Glass Types: 5 & 6	Design Pressure, lbs/ft ²
	+70.0 / -80.0
Reinforcement Level: R3	For all window & sash sizes per Table 10

SEE TABLE 10, SHEET 10 FOR ALLOWABLE SIZES & ANCHOR GROUP AND QUANTITY.

GLASS TYPES 5 & 6 WITH R3 REINF. MAY NOT BE USED WITH J-CHANNEL OR INTEGRAL FIN FRAMES

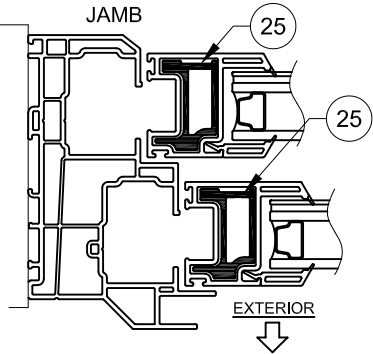
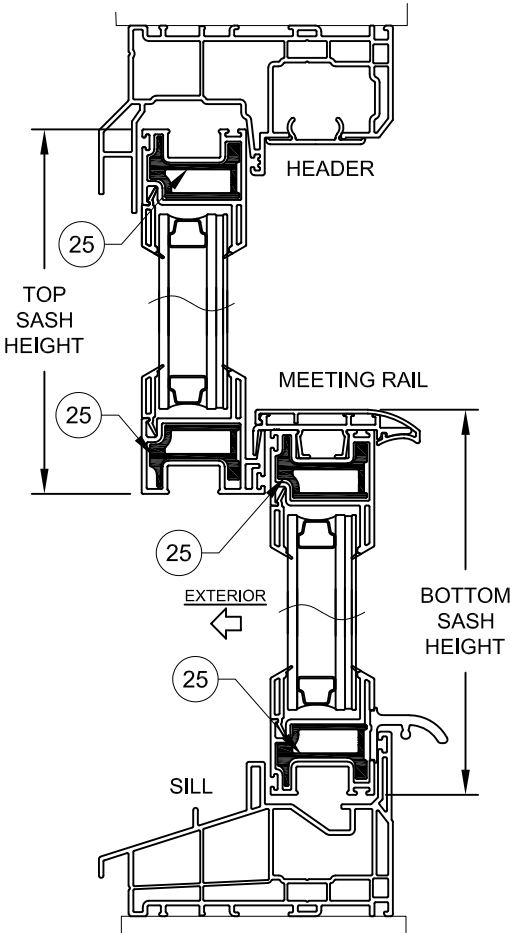
TABLE 7:

Glass Types: 7	Bottom Sash Description for given Range @ Window Height Shown	Bottom Sash Height Range (in)	Final Design Pressure (lbs/ft ²)					
			Window Buck Width (in)					
			48	52.125	54			
24	Equal-lite	11.266	+70.0	-110.0	+70.0	-110.0	+70.0	-109.0
	Standard Cottage	13.517 - 15.516	+70.0	-110.0	+70.0	-107.0	+70.0	-104.0
28	Equal-lite	11.517 - 13.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Standard Provlew	11.266 - 11.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
37.375	Tallest	23.517 - 24.891	+70.0	-110.0	+70.0	-110.0	+70.0	-109.0
	Standard Cottage	20.517 - 23.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Equal-lite	18.016 - 20.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Standard Provlew	11.517 - 18.015	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Shortest	11.266 - 11.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
44	Tallest	29.517 - 31.516	+70.0	-110.0	+70.0	-102.0	+70.0	-104.0
	Custom Size	26.517 - 29.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Standard Cottage	23.517 - 26.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Equal-lite	20.517 - 23.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Standard Provlew	18.016 - 20.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
48	Custom Size	11.517 - 18.015	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Shortest	11.266 - 11.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Tallest	26.517 - 35.141	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Standard Cottage	23.517 - 26.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Equal-lite	20.517 - 23.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
49.625	Standard Provlew	18.016 - 20.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Custom Size	14.517 - 18.015	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Custom Size	11.517 - 14.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Shortest	11.266 - 11.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Tallest	30.517 - 36.766	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
62	Standard Cottage	27.517 - 30.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Custom Size	24.517 - 27.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Equal-lite	21.517 - 24.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Standard Provlew	18.016 - 21.516	+70.0	-110.0	+70.0	-110.0	+70.0	-107.0
	Custom Size	14.517 - 18.015	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
75	Custom Size	11.517 - 14.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Shortest	11.266 - 11.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Standard Cottage	34.517 - 36.767	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Custom Size	32.517 - 34.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Equal-lite	29.517 - 32.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
84	Custom Size	26.517 - 29.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Standard Provlew	23.517 - 26.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Custom Size	21.016 - 23.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Custom Size	18.016 - 21.015	+70.0	-110.0	+70.0	-110.0	+70.0	-109.0
	Custom Size	14.517 - 18.015	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
84	Shortest	11.516 - 14.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Tallest	38.517 - 41.266	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Equal-lite	36.517 - 38.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Custom Size	34.517 - 36.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Custom Size	32.517 - 34.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
84	Custom Size	30.517 - 32.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Standard Provlew	28.517 - 30.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Custom Size	26.517 - 28.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Custom Size	24.516 - 26.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Equal-lite	41.266	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
84	Custom Size	38.517 - 41.265	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Custom Size	35.517 - 38.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0
	Standard Provlew	33.516 - 35.516	+70.0	-110.0	+70.0	-110.0	+70.0	-110.0

SEE TABLE 11, SHEET 11 FOR ANCHOR GROUP AND QUANTITY. MIN. BOTTOM SASH HEIGHT = WINDOW BUCK HEIGHT - 50.484 (APPLIES TO ANY HEIGHT 84" OR LESS).

NOTES:

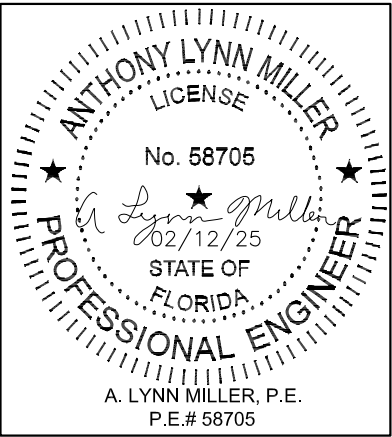
- 1) USE THESE TABLES FOR WINDOWS INSTALLED THROUGH THE FRAME.
- 2) FRAME DIMENSIONS ARE BUCK. SASH HEIGHT IS AS PER THE FIGURE.
- 3) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.



SECTION DETAIL FOR WINDOWS WITH LEVEL R3 REINFORCEMENT & GLASS TYPES 5-7

(REINFORCEMENTS SHOWN IN FIGURES ABOVE APPLY TO FLANGE & BOX/EQUAL-LEG FRAME TYPES ONLY. ALL CONFIGURATIONS APPLICABLE.)

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		VINYL DOUBLE HUNG WINDOW (LM)		Date		02/12/25		
ANCHOR QUANTITY TABLE.		Drawn By		COLTON KEMPF				
DH5560		Sheet		7 OF 14		DWG No.		DH5560-DG-LM
Series		Desc.		Title				



Rev.	Date	Rev.#

TABLE 8: FOR ANCHOR GROUP D, TABLE 9, SHEET 9 MAY BE USED.

[illegible]

SEE TABLE 4, SHEET 6 FOR DESIGN PRESSURES WHEN USING THIS TABLE.

** MIN. BOTTOM SASH HEIGHT = WINDOW BUCK HEIGHT - 45.072

(APPLIES TO ANY HEIGHT 86.338" OR LESS).

**Max. Anchor O.C. Spacing
for "Integral-Fin" Installation**

Anchor Group E

NOTES:

- 1) USE THE ABOVE "ANCHOR QUANTITIES REQUIRED....." TABLE FOR ANCHORS INSTALLED THROUGH THE FRAME.
- 2) USE THE ABOVE "MAX. ANCHOR O.C. SPACING....." TABLE FOR ANCHORS INSTALLED THROUGH THE INTEGRAL FIN.
- 3) FRAME DIMENSIONS ARE BUCK. "MR"=MEETING RAIL.
- 4) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.
- 5) REFER TO TABLES 2 & 3, SHEET 2 FOR ANCHOR GROUP DESCRIPTIONS.

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						REGISTRATION #29296					
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VINYL DOUBLE HUNG WINDOW (LM)			Date			02/12/25					
ANCHOR QUANTITIES TABLE.						By			COLTON KEMPFF		
						Drawn					
Series			DH5560			Sheet			8 OF 14		
Desc.									DWG No.		
									DH5560-DG-LM		

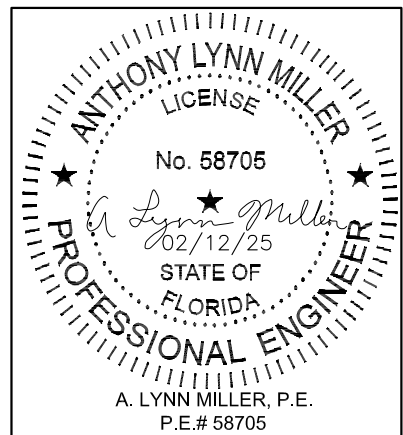


TABLE 9:

[illegible]

SEE TABLE 5, SHEET 6 FOR DESIGN PRESSURES WHEN USING THIS TABLE.

** MIN. BOTTOM SASH HEIGHT = WINDOW BUCK HEIGHT - 45.072

(APPLIES TO ANY HEIGHT 86.338" OR LESS).

NOTES:

- 1) USE THE ABOVE "ANCHOR QUANTITIES REQUIRED....." TABLE FOR ANCHORS INSTALLED THROUGH THE FRAME.
- 2) USE THE ABOVE "MAX. ANCHOR O.C. SPACING....." TABLE FOR ANCHORS INSTALLED THROUGH THE INTEGRAL FIN.
- 3) FRAME DIMENSIONS ARE BUCK. "MR"=MEETING RAIL.
- 4) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.
- 5) REFER TO TABLES 2 & 3, SHEET 2 FOR ANCHOR GROUP DESCRIPTIONS.

Max. Anchor O.C. Spacing for "Integral-Fin" Installation	Anchor Group E
	4"

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VINYL DOUBLE HUNG WINDOW (LM)		Date	02/12/25
ANCHOR QUANTITIES TABLE.		By	COLTON KEMPFF
Series	DH5560	9 OF 14	
Sheet		Dwg No.	
DH5560		9 OF 14	
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Sheet		Dwg No.	

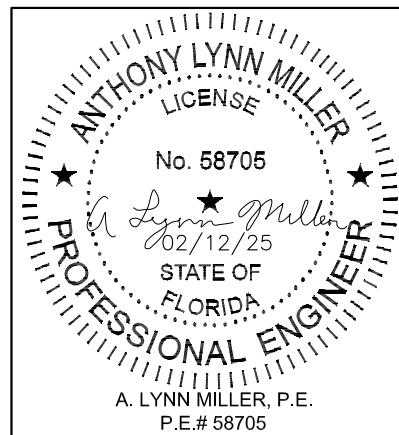


TABLE 10:

[illegible]

SEE TABLE 6, SHEET 7 FOR DESIGN PRESSURES WHEN USING THIS TABLE.
MIN. BOTTOM SASH HEIGHT = WINDOW BUCK HEIGHT - 50.484
(APPLIES TO ANY HEIGHT 84" OR LESS).

GLASS TYPES 5 & 6 WITH
R3 REINF. MAY NOT BE
USED WITH J-CANNEL OR
INTEGRAL FIN FRAMES

NOTES:

- 1) FRAME DIMENSIONS ARE BUCK. "MR"=MEETING RAIL.
- 2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.
- 3) REFER TO TABLE 2, SHEET 2 FOR ANCHOR GROUP DESCRIPTIONS.

	Rev.
	Date
	Rev.#

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Title	VINYL DOUBLE HUNG WINDOW (LM)					Date	02/12/25					
Series	DH5560		10 OF 14		No. DWG	DH5560-DG-LM		By		COLTON KEMPF		
Desc.	ANCHOR QUANTITIES TABLE											

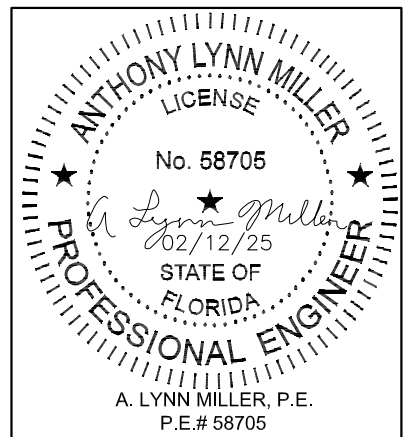
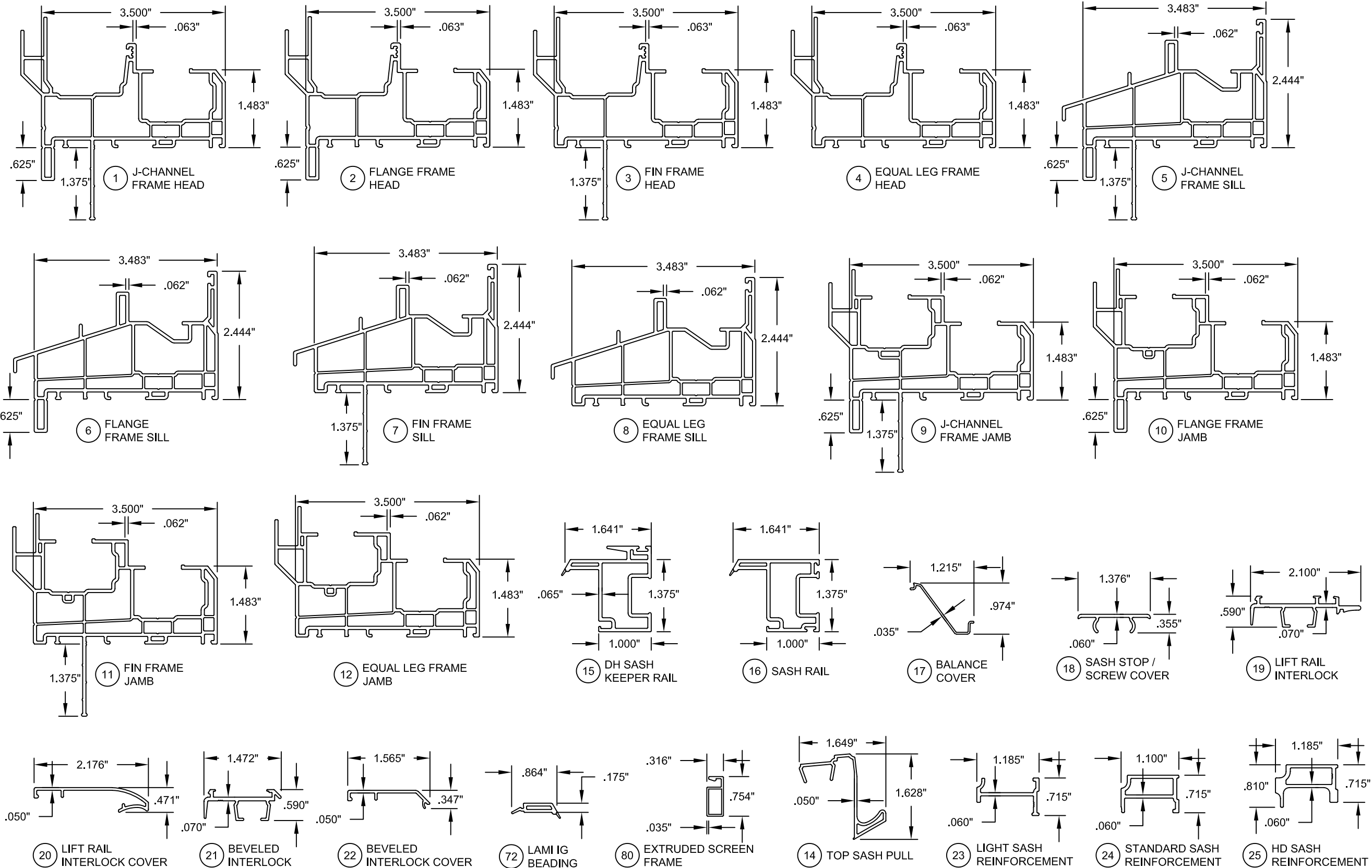


TABLE 11:

Anchor Quantities Required for "Through-Frame" Installation				Anchor Group B															Anchor Group C															Anchor Group D																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
				18" Wide			24" Wide			32" Wide			36" Wide			40" Wide			48" Wide			52-1/8" Wide			54" Wide			18" Wide			24" Wide			32" Wide			36" Wide			40" Wide			48" Wide			52-1/8" Wide			54" Wide																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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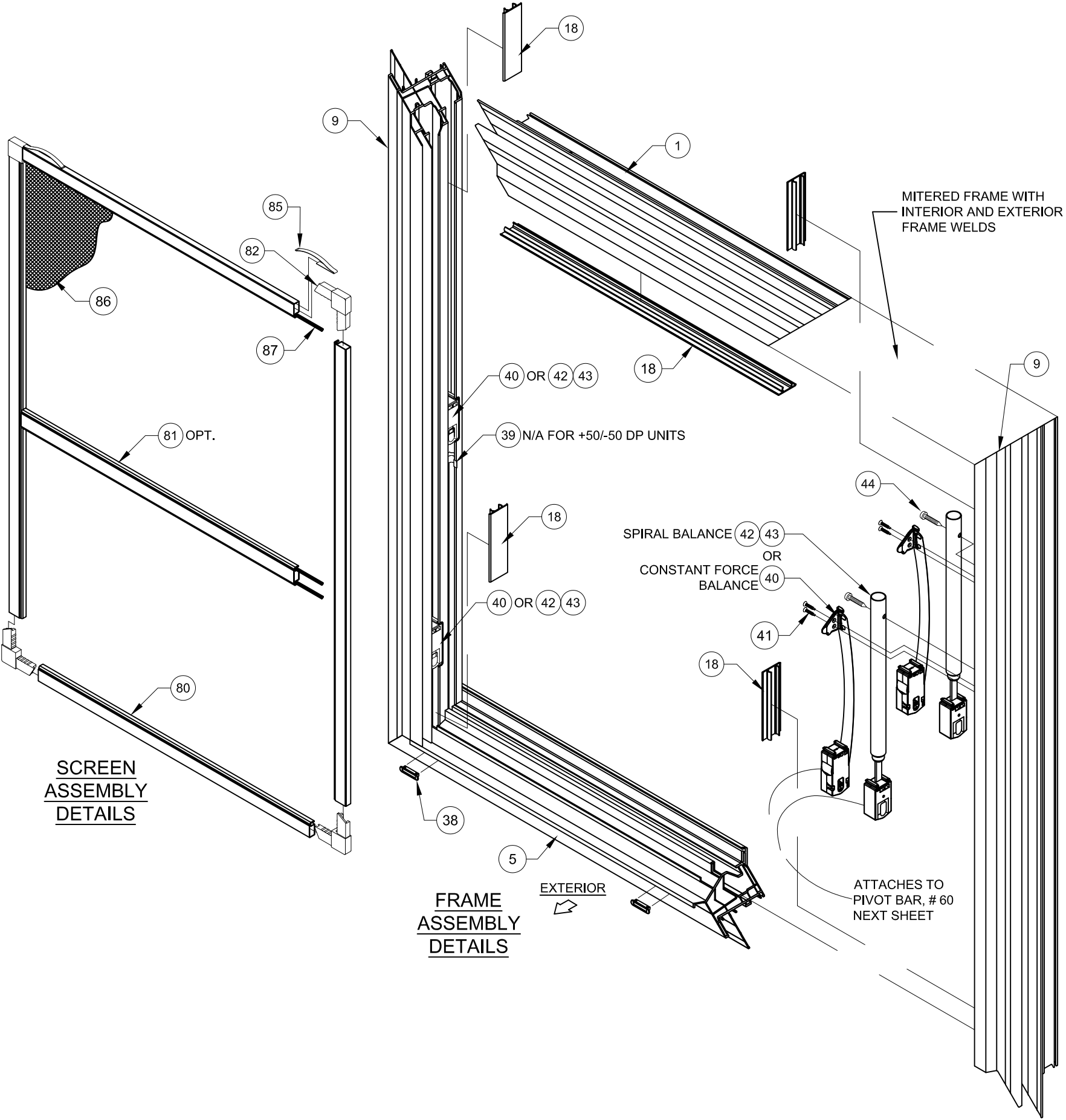


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PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		VINYL DOUBLE HUNG WINDOW (LM)		EXTRUSION PROFILES.		Sheet 12 OF 14
ANTHONY LYNN MILLER LICENSE No. 58705 02/12/25 STATE OF FLORIDA A. LYNN MILLER, P.E. P.E.# 58705						

TABLE 12:

Bill of Material			
#	Part #	Description	Material
1	620113	Frame Head - J-Channel	PVC
2	620114	Frame Head - Flange	PVC
3	620115	Frame Head - Fin	PVC
4	620116	Frame Head - Equal Leg/Box	PVC
5	620105	Frame Sill - J-Channel	PVC
6	620106	Frame Sill - Flange	PVC
7	620107	Frame Sill - Fin	PVC
8	620108	Frame Sill - Equal Leg/Box	PVC
9	620109	Frame Jamb - J-Channel	PVC
10	620110	Frame Jamb - Flange	PVC
11	620111	Frame Jamb - Fin	PVC
12	620112	Frame Jamb - Equal Leg/Box	PVC
14	620171	Top Sash Pull (opt.)	PVC
15	620140	Keeper Rail	PVC
16	620129	Sash Rail (Sides, Top & Bottom)	PVC
17	620134	Balance Cover	PVC
18	620133	Sash Stop/Screw Cover	PVC
19	620156	Lift Rail Interlock	6005 T5 Al
20	620144	Lift Rail Interlock Cover	PVC
21	620157	Beveled Interlock	6005 T5 Al
22	620145	Beveled Interlock Cover	PVC
23	620150	Light Sash Reinforcement	6063 T6 Al
24	620151	Standard Sash Reinforcement	6063 T6 Al
25	620152	HD Sash Reinforcement	6063 T6 Al
30	61644	Weatherstrip, .187" x .270" Fin Pile	
31	6Q300	Weatherstrip, .190" x .300" Foam Bulb	
32	61719	Weatherstrip, .187" x .220" PolyPile	
33	61825	Weatherstrip Plug, .220" Finseal	
35	78X1MTTT	#8 x 1" Ph. PH SDS (Interlock Mounting Screw)	SS
38	720210	Weep Hole Cover	PVC
39	720185	Tilt Latch Reinforcement Clip	PVC
40	720XXXX	Constant Force Balance	
41	78X34PPAX	#8 x 3/4" Ph. FH SMS (Con. Force Balance Screw)	SS
42		Spiral Balance	
43	720205	Spiral Balance Shoe	Nylon
44	78X114FPAX	#8 x 1-1/4" Ph. FH SMS (Spiral Balance Screw)	SS

NOTES:
1) GLASS AND SOME PARTS/OPTIONS NOT SHOWN ON DRAWING FOR CLARITY.
2) J-CHANNEL FRAME SHOWN, PARTS # 1, 5 & 9. OTHER FRAME TYPES APPLY.
3) PVC BY ENERGI WINDOW AND DOOR PROFILES, LTD., TO BE LABELED FOR AAMA EXTRUDER CODE.
4) FOR REINFORCEMENT TYPES, SEE DETAILS ON SHEETS 6 & 7.
5) ITEMS # 13, 26-29, 34, 36, 37, 65-71, 73 & 84 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.



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PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		VINYL DOUBLE HUNG WINDOW (LM)		By		DWG		13 OF 14	
ASSEMBLY & PART LIST		Sheet		Title		Series		Desc.	
DH5560		Title		Series		Desc.		Title	

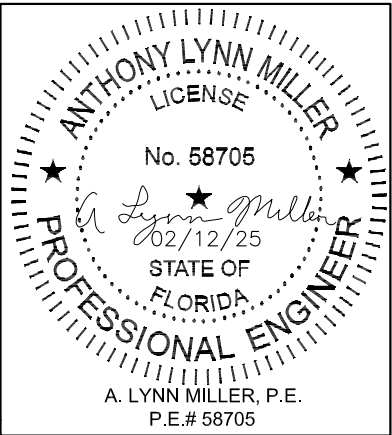
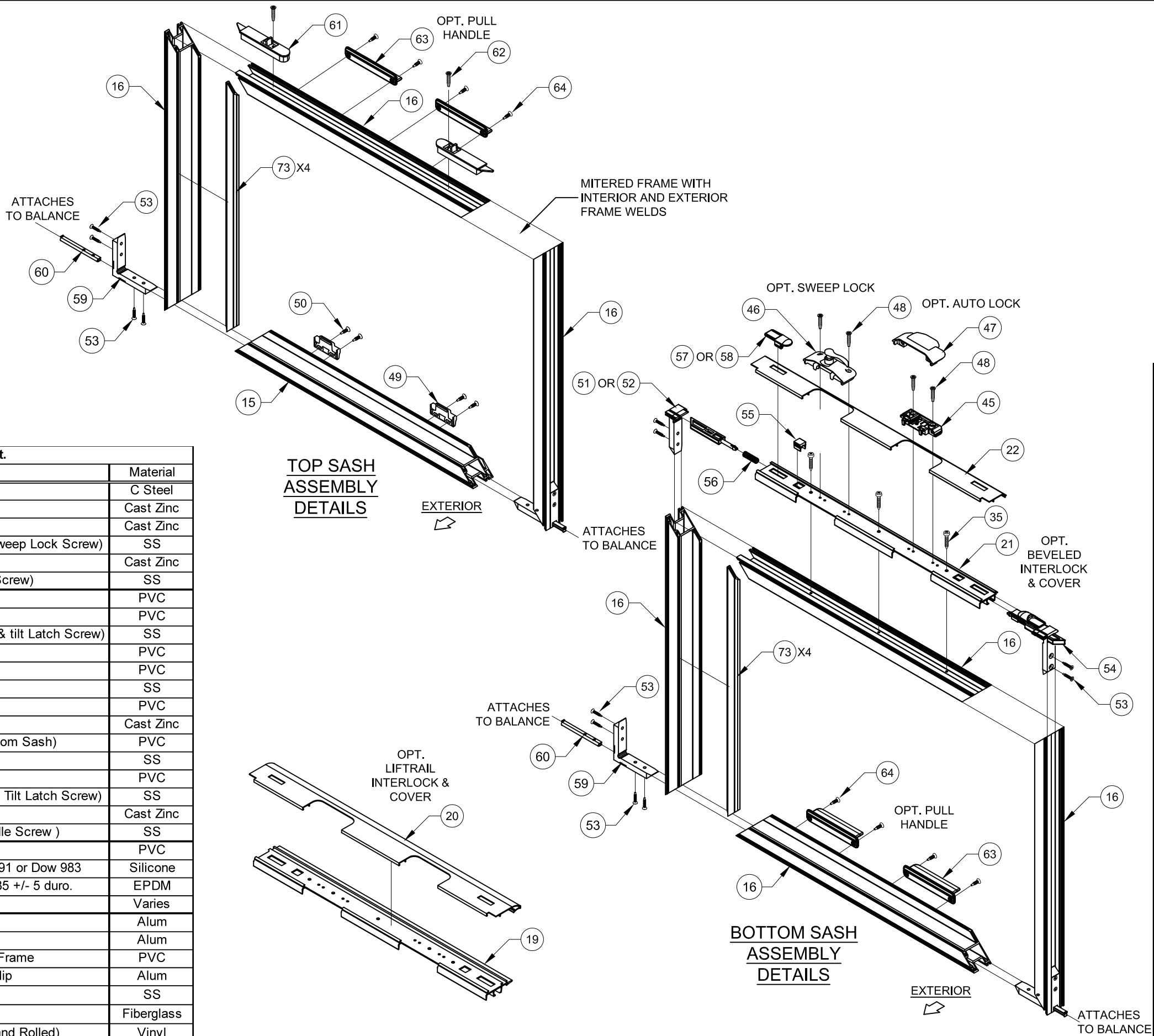


TABLE 12, CONT.:

Bill of Material, cont.			
#	Part #	Description	Material
45	720197	Auto Lock Mechanism	C Steel
46	720198&9	Sweep Lock	Cast Zinc
47	720195&6	Auto Lock Cover Assembly	Cast Zinc
48	76X1180PTX	#6 x 1-1/8" Ph. FH SDS (Auto/Sweep Lock Screw)	SS
49	720200	Auto and Sweep Lock Keeper	Cast Zinc
50	76X34PPTX	#6 x 3/4" PH. PH SDS (Keeper Screw)	SS
51	420181 L/R	Beveled Tilt Latch Corner Key	PVC
52	420182 L/R	Pull Rail Tilt Latch Corner Key	PVC
53	7634PHFL	#6 x 3/4" Ph. FH SDS (Pivot Bar & tilt Latch Screw)	SS
54	420183	Tilt Latch	PVC
55	420184	Tilt Latch Retainer	PVC
56	720207	1" Tilt Latch Spring	SS
57	420186	Plastic Tilt Latch Finger Pull	PVC
58	720192	Metal Tilt Latch Finger Pull	Cast Zinc
59	420180	Pivot Bar Corner Key (Top & Bottom Sash)	PVC
60	720206	Pivot Bar (Top & Bottom Sash)	SS
61	7101/7102	Top Sash Tilt Latch (L&R)	PVC
62	76X12FPTX	#6 x 1/2" Ph. FH SDS (Top Sash Tilt Latch Screw)	SS
63	720191	Sash Pull Handle (opt.)	Cast Zinc
64	78X34FPT	#8 x 3/4" Ph. FH SDS (Pull Handle Screw)	SS
72	720135	Lami I.G. Bead	PVC
74		Backbedding, GE 7700 or Dow 791 or Dow 983	Silicone
75	71684&5	Setting Block (7/8" x 2" x 1/8"), 85 +/- 5 duro.	EPDM
76		IG Spacer	Varies
80	61012	Extruded Screen Frame	Alum
81	60775	Extruded Screen Spreader Bar	Alum
82	7CKGLB21	Screen Corner Key for Extruded Frame	PVC
83	72045	Extruded Screen Spreader Bar Clip	Alum
85	7CASPm	Tension Spring	SS
86	61816C48	Screen Cloth	Fiberglass
87	61635/61624	.140" Screen Spline (Machine/Hand Rolled)	Vinyl



PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
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VINYL DOUBLE HUNG WINDOW (LM)
02/12/25

COLTON KEMPf
By
DWG No.
14 OF 14
Sheet
DH5560

ASSEMBLY & PARTS LIST.

DH5560-DG-LM

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