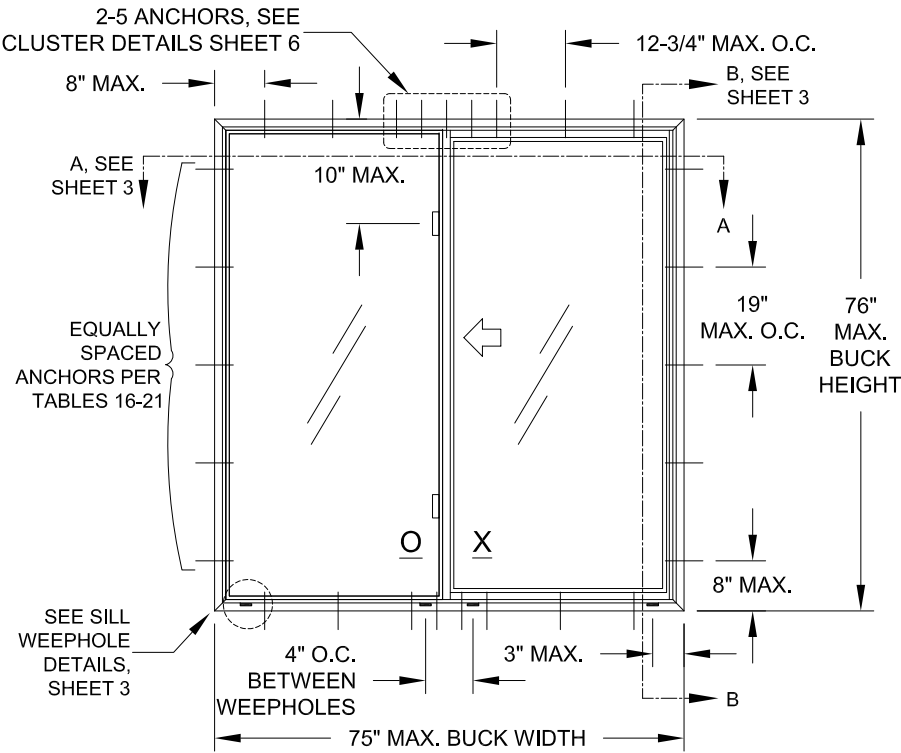
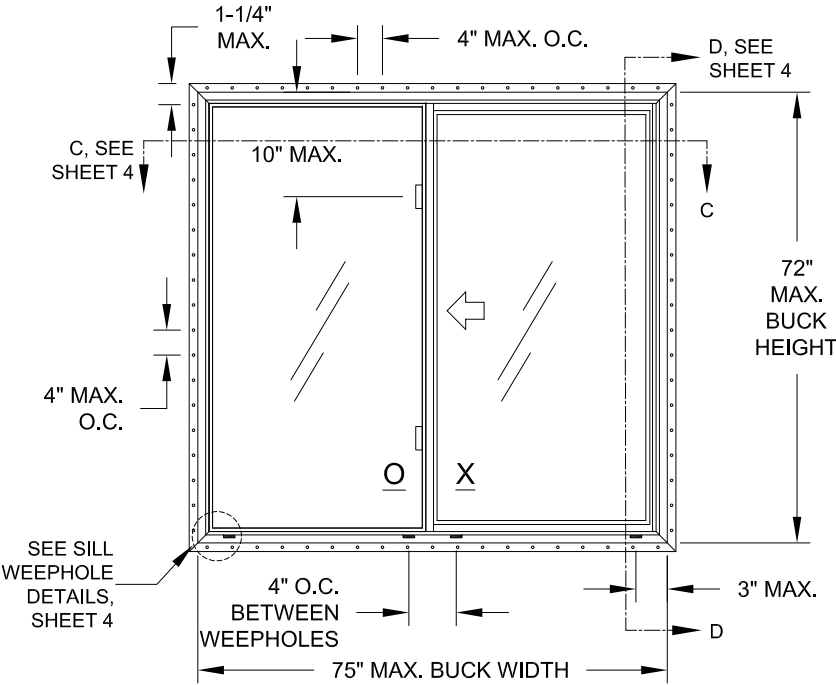
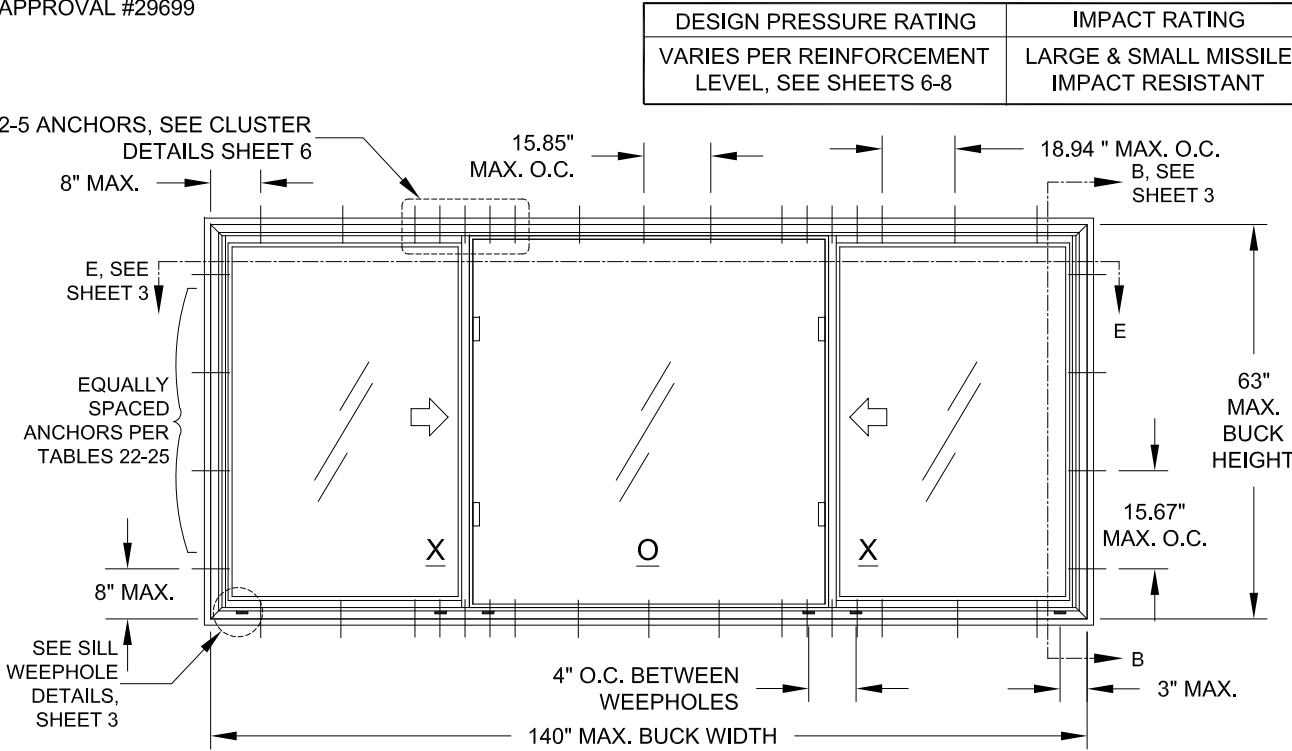




ELEVATION FOR TYP. EQUAL LEG FRAME
SHOWN AS OX CONFIGURATION



ELEVATION FOR TYP. FIN OR J-CHANNEL FRAME SHOWN AS
OX CONFIGURATION ANCHORED THROUGH THE NAIL-FIN



ELEVATION FOR TYP. FLANGE FRAME
SHOWN AS XO CONFIGURATION

DESIGN PRESSURE RATING	IMPACT RATING
VARIES PER REINFORCEMENT LEVEL, SEE SHEETS 6-8	LARGE & SMALL MISSILE IMPACT RESISTANT

GENERAL NOTES: SERIES HR5510 IMPACT RESISTANT HORIZONTAL ROLLER 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 TEMPERED.
- 3) FOR MASONRY APPLICATIONS, USE ONLY APPROVED MASONRY ANCHORS. MATERIALS USED FOR ANCHOR EVALUATIONS WERE SOUTHERN PINE, ASTM C90 CONCRETE MASONRY UNITS AND CONCRETE WITH MIN. KSI PER ANCHOR TYPE.
- 4) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND SECURED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER, (EOR) OR ARCHITECT OF RECORD, (AOR).
- 5) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE REQUIRED MIN. EMBEDMENT. INSTALLATION ANCHORS SHOULD BE SEALED. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.
- 6) 1/4" MAX. SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS.
- 7) DESIGN PRESSURES:

A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL & CYCLE TESTING AND GLASS PER ASTM E1300.

B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL & CYCLE TESTING AND GLASS PER ASTM E1300.

C. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.
- 8) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.
- 9) METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.
- 10) APPLICABLE EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.
- 11) FRAME FLANGES OR INTEGRAL FINS MAY BE TRIMMED IN-FIELD TO CREATE AN EQUAL-LEG FRAME.

GLASS USED ABOVE 30 FEET IN THE HVHZ MUST HAVE A TEMPERED CAP.

GENERAL NOTES.....	1
ELEVATIONS.....	1
FRAME, GLASS & ANCHOR OPTIONS.....	2
INSTALLATION, FLANGE & EQUAL LEG/BOX.....	3
INSTALLATION, INTEGRAL FIN & J-CHANNEL....	4
GLAZING DETAILS.....	5
DESIGN PRESSURES.....	6-8
ANCHOR QUANTITIES.....	9-14
EXTRUSION PROFILES & BOM.....	15
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USER INSTRUCTIONS:

- 1) DETERMINE THE SITE SPECIFIC, WINDOW OPENING'S DESIGN PRESSURE REQUIREMENT USING WINDLOAD STANDARD ASCE 7.
- 2) KNOWING YOUR FRAME TYPE, WINDOW CONFIGURATION (OX, XO, XO), SIZE, GLAZING OPTION FROM (TABLE 1) AND REINFORCEMENT LEVEL, DETERMINE YOUR WINDOW'S DESIGN PRESSURE REQUIREMENT FOR THE WINDOW OPENING USING TABLES 6-15 (SHEETS 6-8). IT MUST EQUAL OR EXCEED THE DESIGN PRESSURE REQUIREMENT FOR THE WINDOW OPENING OBTAINED IN STEP 1. USE INDEX TABLE 5 ON SHEET 6 TO HELP FIND THE APPROPRIATE TABLE.
- 3) DETERMINE THE MOST SUITABLE ANCHOR GROUP FROM TABLES 2 AND 3 ON SHEET 2 ACCORDING TO THE INSTALLATION CONDITIONS.
- 4) DETERMINE THE ANCHOR QUANTITY FROM TABLES 16-25 (SHEETS 9-15), 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 FLANGE/EQUAL LEG INSTALLATION OR SHEET 4 FOR INTEGRAL FIN/J-CHANNEL INSTALLATION. USE TABLE 4 ON SHEET 2 TO FIND THE APPROPRIATE DETAILS.

NOTE: DESIGN PRESSURE RATING DETERMINATION IS THE SAME PROCESS FOR ALL FRAME TYPES (J-CHANNEL, FLANGE, INTEGRAL FIN OR EQUAL LEG/BOX), SEE FIGURE B ON SHEET 2.

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Title	VINYL HORIZONTAL ROLLER WINDOW (LM)	Date	02/04/25
Desc.	GENERAL NOTES & ELEVATION	Drawn By	JENS ROSOWSKI
Rev		Rev Date	
Series	HR5510	Sheet	1 OF 16
DWG No.	HR5510-DG	Rev.	

ANTHONY LYNN MILLER

LICENSE

No. 58705

02/04/25

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)
1	7/8" Lami IG: 1/8" AN Cap - 1/2" Airspace - 1/8" AN - 0.090" PVB Interlayer - 0.70mm ATG
2	7/8" Lami IG: 1/8" TP Cap - 1/2" Airspace - 1/8" AN - 0.090" PVB Interlayer - 0.70mm ATG
3	7/8" Lami IG: 1/8" HS Cap - 1/2" Airspace - 1/8" HS - 0.090" PVB Interlayer - 0.70mm ATG
4	7/8" Lami IG: 1/8" TP Cap - 1/2" Airspace - 1/8" HS - 0.090" PVB Interlayer - 0.70mm ATG
5	7/8" Lami IG: 1/8" TP Cap - 1/2" Airspace - 1/8" TP - 0.090" SG Interlayer - 0.70mm ATG
6	7/8" Lami IG: 3/16" AN Cap - 3/8" Airspace - 3/16" AN - 0.090" PVB Interlayer - 0.70mm ATG
7	7/8" Lami IG: 3/16" TP Cap - 3/8" Airspace - 3/16" AN - 0.090" PVB Interlayer - 0.70mm ATG

SEE SHEET 5 FOR GLASS DETAIL VIEW.
SEE SHEET 6, TABLE 5 FOR GLAZING/DESIGN PRESSURE/ANCHORAGE INDEX.

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"
		Concrete (min. 3 ksi)	1"	1-3/8"
B	#12 SMS (steel, 18-8 S.S. or 410 S.S.)	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"
		Steel Stud, A653 Gr. 33*	3/8"	0.0451" (18 Ga.)
	1/4" steel Ultracon+	Aluminum, 6063-T5*	3/8"	0.063"
		Southern Pine (SG=0.55)	1"	1-3/8"
C	1/4" steel Ultracon+	Southern Pine (SG=0.55)	1"	1-3/8"
		Concrete (min. 3 ksi)	1-3/16"	1-3/4"
	1/4" steel Creteflex	UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
		Concrete (min. 3.35 ksi)	1"	1-3/4"
	1/4" steel Aggre-Gator	Concrete (min. 3 ksi)	2-1/2"	1-3/4"
		UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"
D	1/4" steel Ultracon+	Concrete (min. 3.35 ksi)	2-1/2"	1-3/4"
		UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"
	1/4" steel Creteflex	Concrete (min. 3.275 ksi)	1-1/2"	1-3/8"
		GROUTED CMU, (ASTM C-90)	2"	2"
	1/4" steel Aggre-Gator	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 ARE 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=0.55)	3/8"	2-7/16"
	2-1/2" Ring-shank Roofing Nail	Southern Pine (SG=0.55)	3/8"	2-7/16"
	#10 Trusshead SMS (Steel, 18-8 S.S. or 410 S.S.)	Southern Pine (SG=0.55)	1/2"	1-3/8"
		Aluminum, 6063-T5*	3/8"	0.100"
		Steel Stud, Gr. 33*	3/8"	0.0451" (18 Ga.)
		Steel, A36*	3/8"	0.050"
	#12 SMS (Steel, 18-8 SS or 410 SS), Flathead or Panhead	Southern Pine (SG=0.55)	9/16"	1-3/8"
		Aluminum, 6063-T5*	3/8"	0.100"
		Steel Stud, Gr. 33*	3/8"	0.0451" (18 Ga.)
		Steel, A36*	3/8"	0.050"

* MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.

"A" = ANNEALED
"H" = HEAT STRENGTHENED
"T" = TEMPERED
"PVB" = .090" TROSIFOL® PVB
BY KURARAY AMERICA, INC.

"SG" = .090" SENTRYGLAS®
INTERLAYER BY KURARAY
AMERICA, INC.

FIGURE B: FRAME TYPES

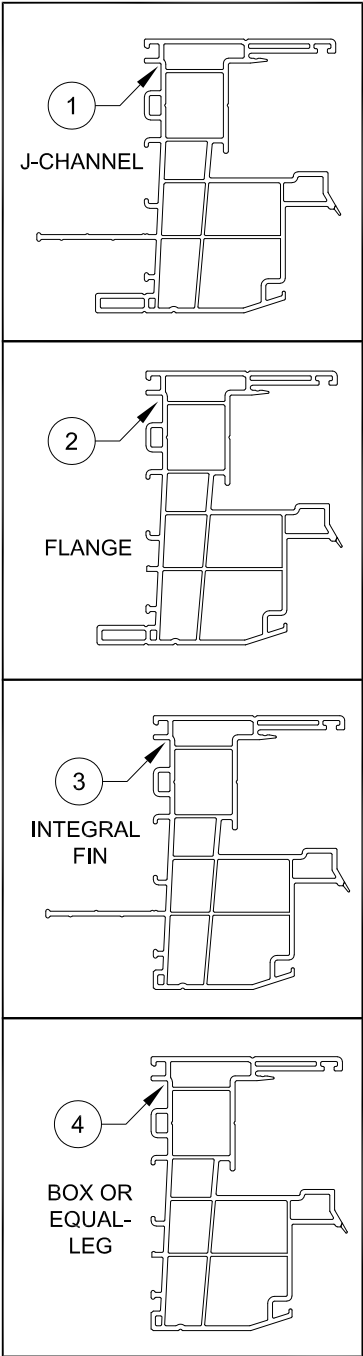


TABLE 4: INDEX OF INSTALLATION METHODS PER FRAME TYPE

Frame Types (see Fig B)	Installation Conditions	Substrate Option Detail Sheet
J-Channel (#1)	Through the integral fin.....	...into 2X Wood Frame/Buckstrip - sheet 4, option 5
		...into Metal - sheet 4, option 8
	Through the frame of the window.....	...into 2X Wood Frame/Buckstrip - sheet 4, option 6
		...into Metal - sheet 4, option 7
Flange (#2)	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
Integral Fin (#3)	Through the integral fin.....	...into 2X Wood Frame/Buckstrip - sheet 4, option 5
		...into Metal - sheet 4, option 8
	Through the frame of the window.....	...into 2X Wood Frame/Buckstrip - sheet 4, option 6
		...into Metal - sheet 4, option 7
Box / Equal-Leg (#4)	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

INSTALLATION NOTES, SEE SHEETS 3 & 4 FOR ILLUSTRATIONS:

- 1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLES 2 & 3, THIS SHEET. 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, THIS SHEET. 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.
- 4) SEE SHEET 17 FOR OPTIONAL EGRESS LOCK DETAILS.

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Series

Rev

Desc.

Title

Date

Drawn By

Rev Date

Sheet

DWG No.

Rev

HR5510

2 OF 16

HR5510-DG

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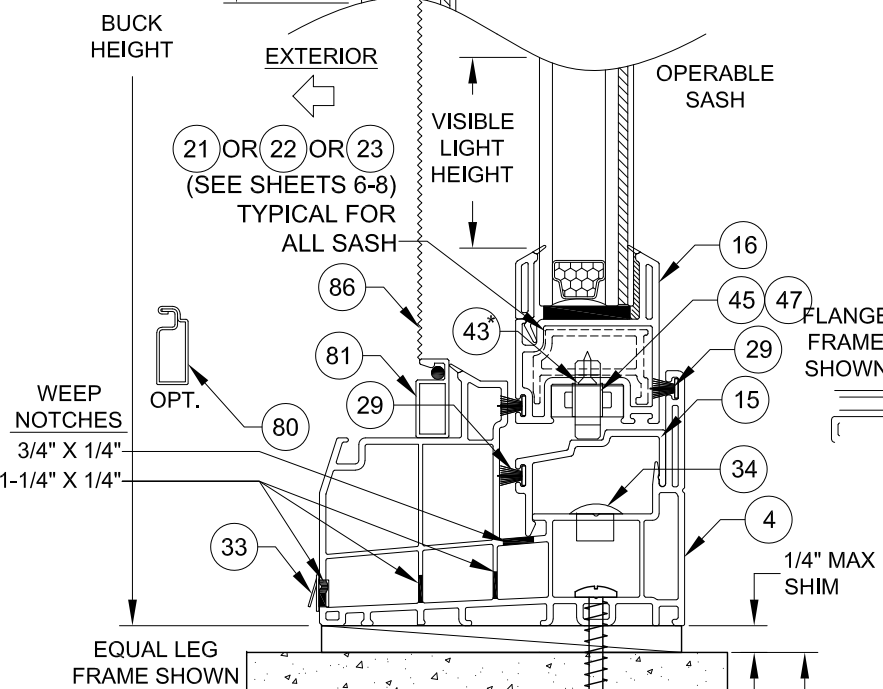
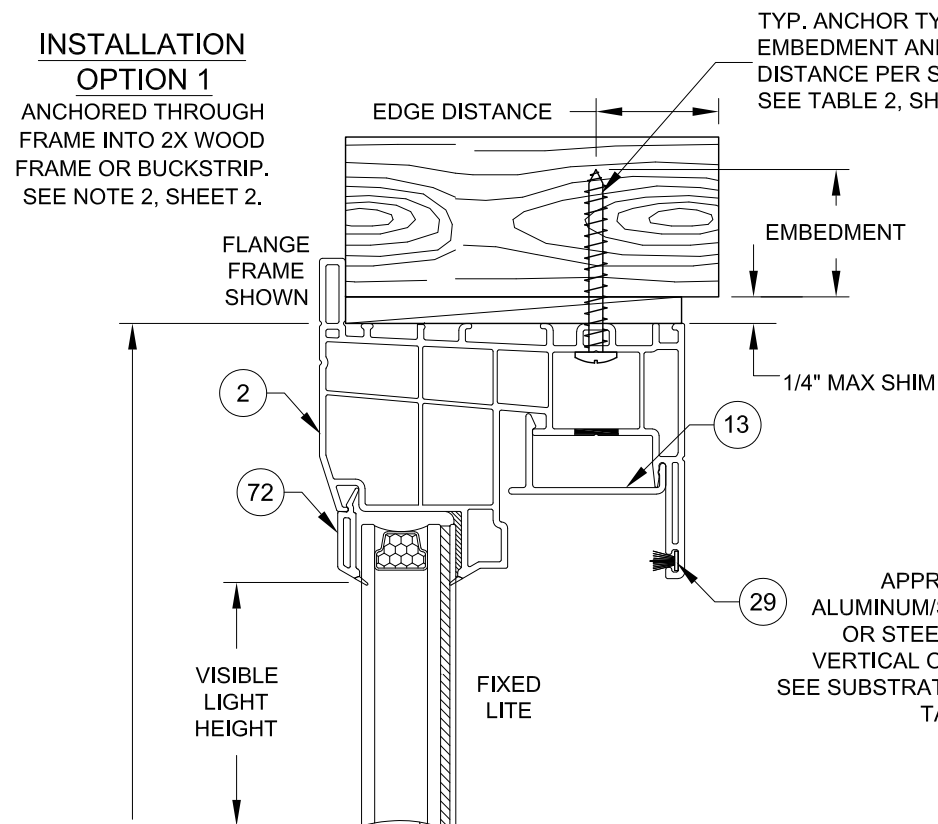
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P.E.# 58705

INSTALLATION DETAILS FOR FLANGE AND EQUAL-LEG FRAMES

INSTALLATION
OPTION 1

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



INSTALLATION
OPTION 2

ANCHORED THROUGH
FRAME DIRECTLY INTO
CONCRETE/CMU.

TYP. ANCHOR TYPE,
EMBEDMENT AND EDGE
DISTANCE PER SUBSTRATE,
SEE TABLE 2, SHEET 2.

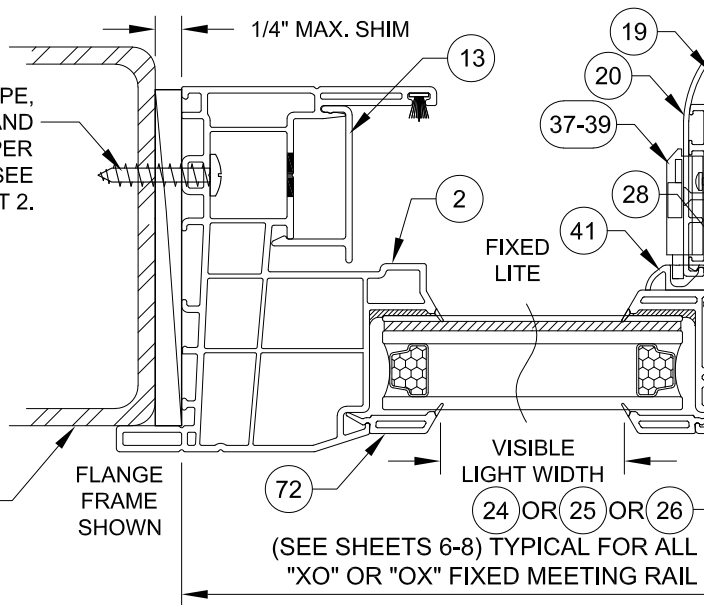
VERTICAL
SECTION B-B

INSTALLATION
OPTION 4

ANCHORED THROUGH
FRAME INTO METAL

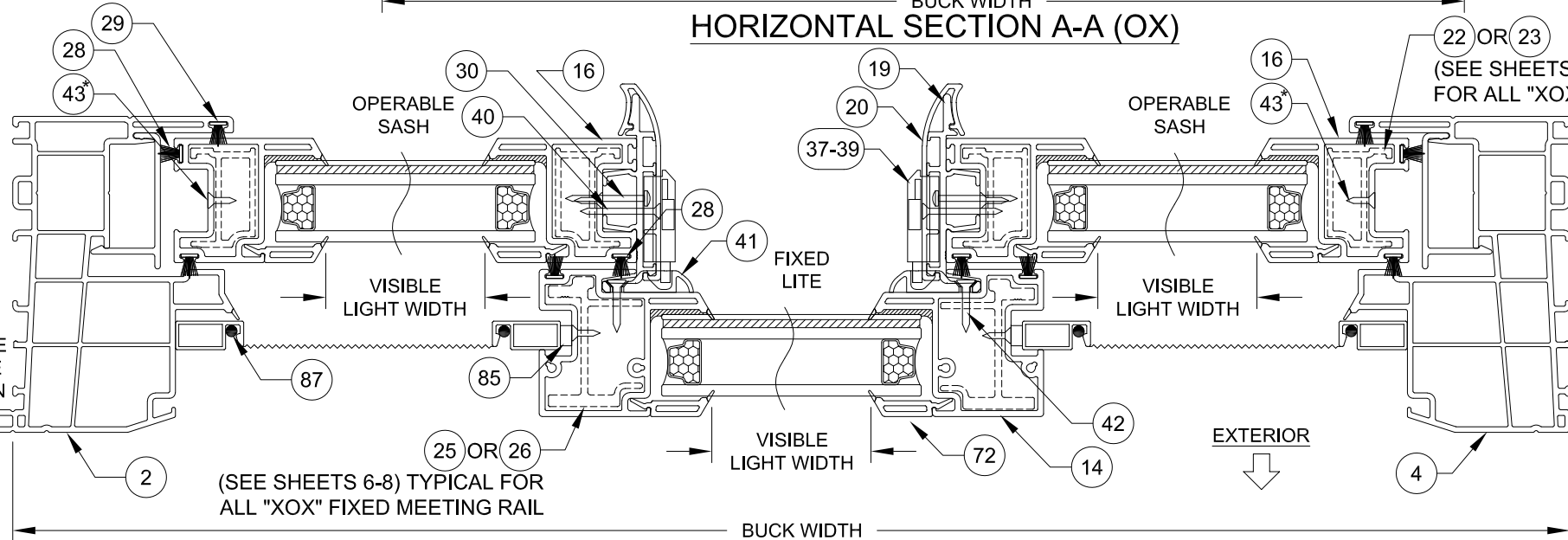
TYP. ANCHOR TYPE,
EMBEDMENT AND EDGE
DISTANCE PER
SUBSTRATE, SEE
TABLE 2, SHEET 2.

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



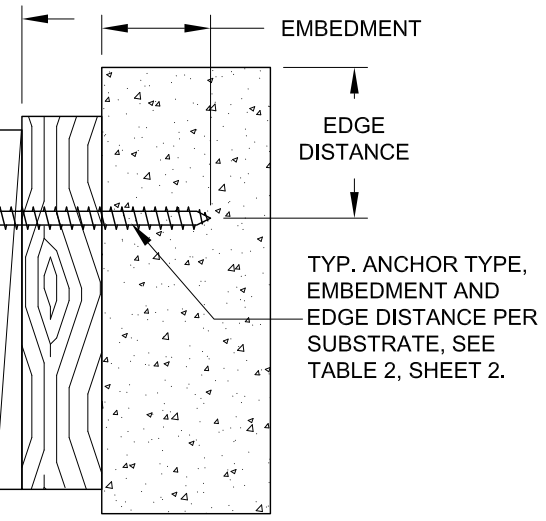
SEE INSTALLATION NOTES SHEET 2

HORIZONTAL SECTION A-A (OX)



HORIZONTAL SECTION E-E (XOX) INSTALLATION AS PER SECTION A-A ABOVE

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

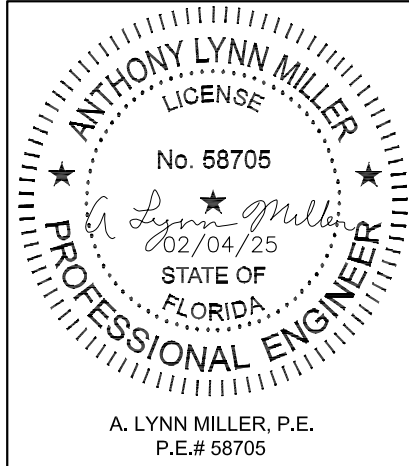


(1) AT MID-SPAN OF INTERLOCK
(1) 3-1/2" FROM EACH SASH
CORNER AND (1) AT CENTER OF
SASH STILES/RAILS

EQUAL-LEG
FRAME
SHOWN

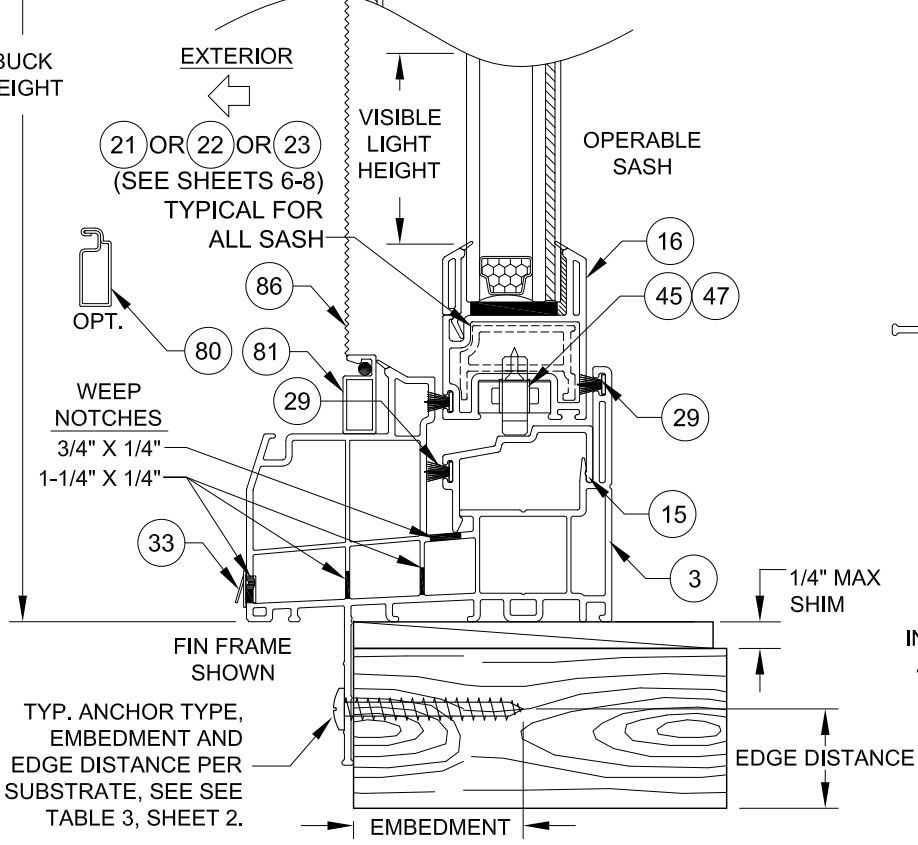
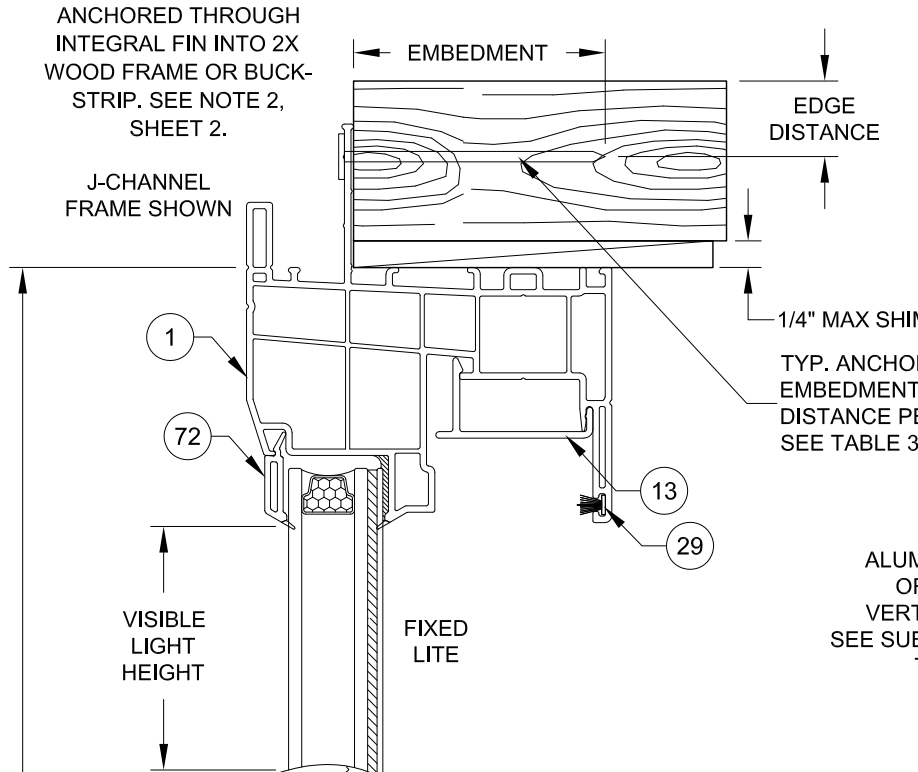
PGT Custom Windows and Doors		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
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Desc.	FLANGE & EQUAL-LEG FRAMES	02/04/25	
Rev			
HR5510	3 OF 16	HR5510-DG	

VISIBLE LIGHT FORMULAS
(EQUAL-LITE, XO & OX)
WIDTH: BUCK WIDTH / 2 - 4-1/4"
HEIGHT: BUCK HEIGHT - 7-1/4"



INSTALLATION DETAILS FOR FIN AND J-CCHANNEL FRAMES

INSTALLATION OPTION 5



INSTALLATION OPTION 5
ANCHORED THROUGH INTEGRAL FIN INTO 2X WOOD FRAME OR BUCK-STRIP. SEE NOTE 2, SHEET 2.

VERTICAL SECTION D-D

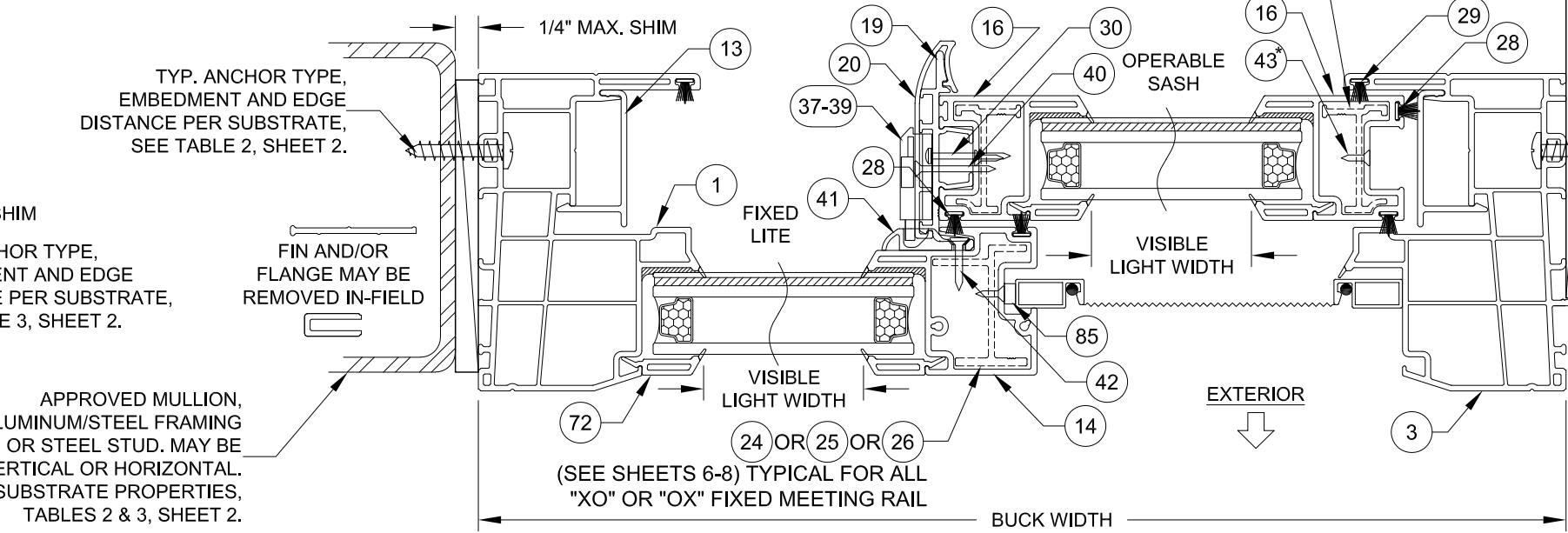
INSTALLATION OPTION 7
ANCHORED THROUGH FRAME INTO METAL (INTEGRAL FIN/FLANGE REMOVED)

TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE 2, SHEET 2.

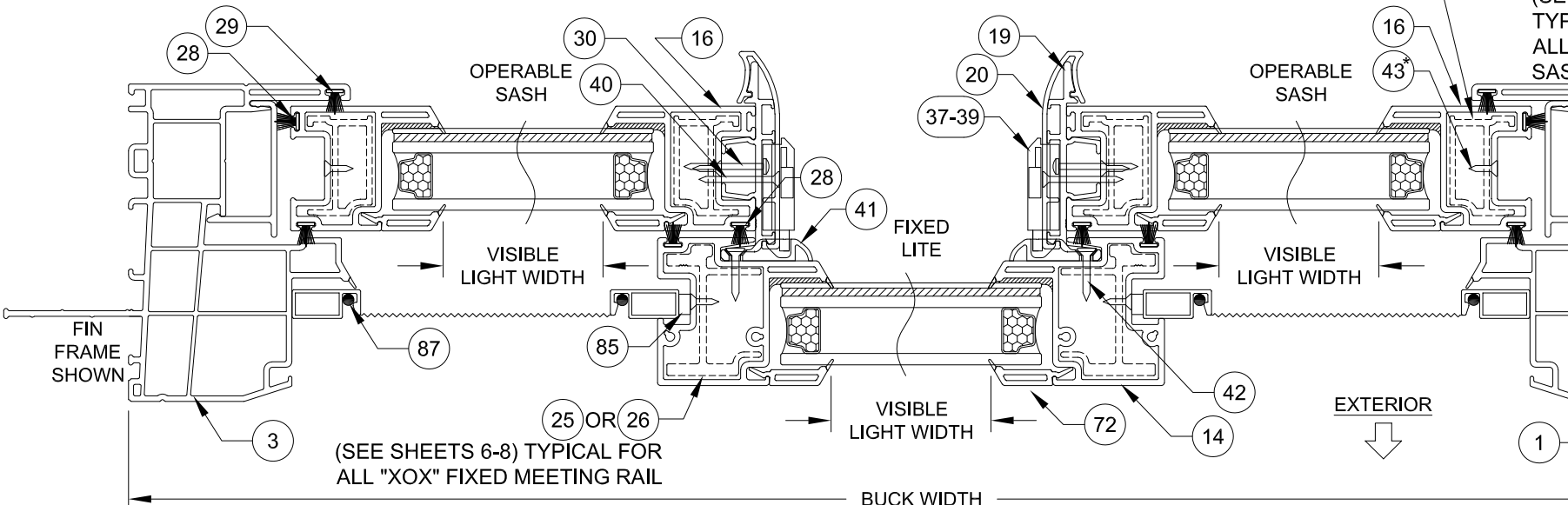
FIN AND/OR FLANGE MAY BE REMOVED IN-FIELD

APPROVED MULLION, ALUMINUM/STEEL FRAMING OR STEEL STUD. MAY BE VERTICAL OR HORIZONTAL. SEE SUBSTRATE PROPERTIES, TABLES 2 & 3, SHEET 2.

SEE INSTALLATION NOTES SHEET 2



HORIZONTAL SECTION C-C (OX)



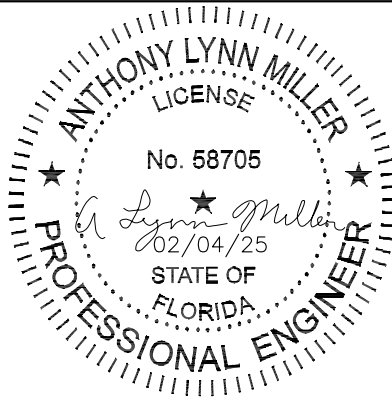
HORIZONTAL SECTION C-C (XOX) INSTALLATION AS PER SECTION D-D ABOVE

INSTALLATION OPTION 6
ANCHORED THROUGH FRAME INTO 2X WOOD FRAME OR BUCKSTRIP. SEE NOTE 2, SHEET 2.

TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE 2, SHEET 2. (SCREW SHOWN)

INSTALLATION OPTION 8
ANCHORED THROUGH FIN INTO METAL (FLANGE MAY BE REMOVED)

TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE 3, SHEET 2. (SCREW SHOWN)



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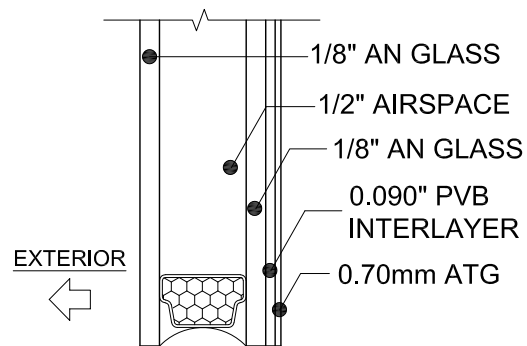
J-CHANNEL & INT. FIN FRAMES Drawn By JENS ROSOWSKI

HR5510 4 OF 16 DWG No. HR5510-DG

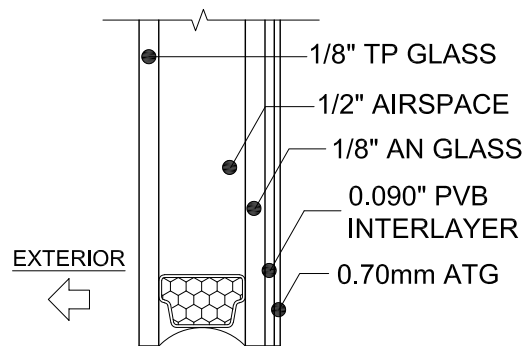
VISIBLE LIGHT FORMULAS
(EQUAL-LITE, XO & OX)

WIDTH: BUCK WIDTH / 2 - 4-1/4"
HEIGHT: BUCK HEIGHT - 7-1/4"

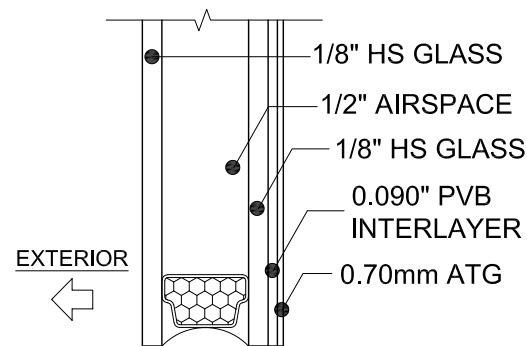
43* (1) AT MID-SPAN OF INTERLOCK
(1) 3-1/2" FROM EACH SASH CORNER AND (1) AT CENTER OF SASH STILES/RAILS



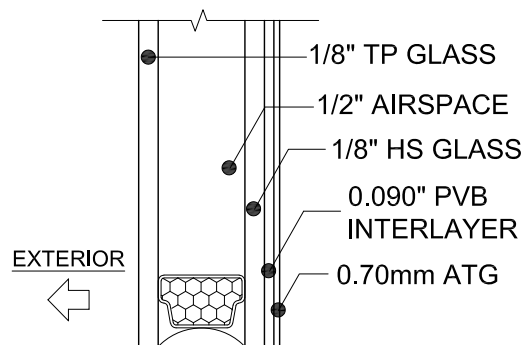
GLASS TYPE 1
7/8" NOM. GLASS STACK



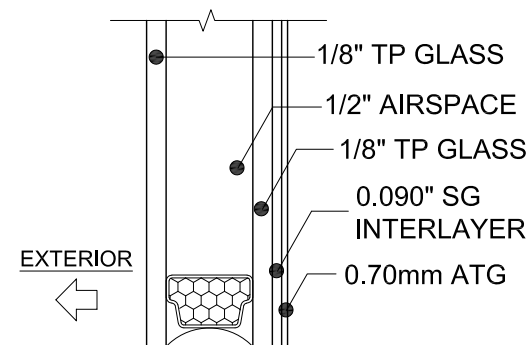
GLASS TYPE 2
7/8" NOM. GLASS STACK



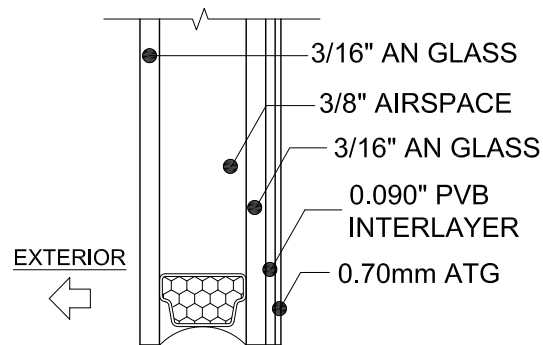
GLASS TYPE 3
7/8" NOM. GLASS STACK



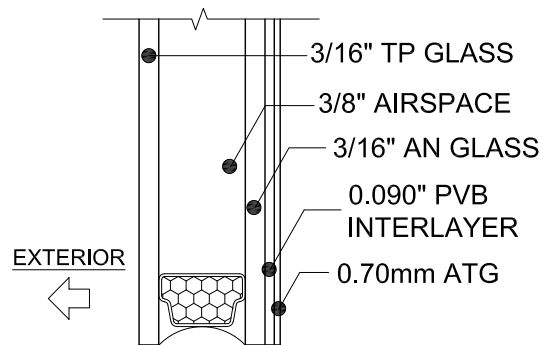
GLASS TYPE 4
7/8" NOM. GLASS STACK



GLASS TYPE 5
7/8" NOM. GLASS STACK

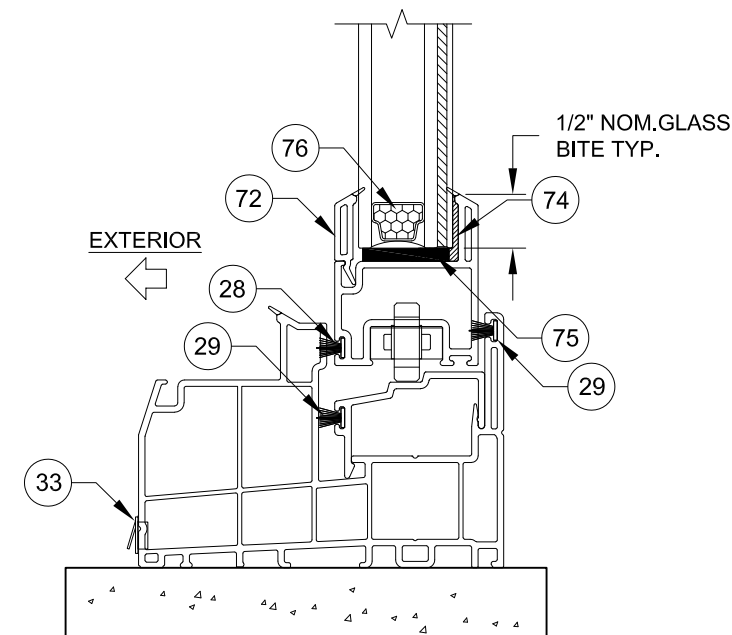


GLASS TYPE 6
7/8" NOM. GLASS STACK



GLASS TYPE 7
7/8" NOM. GLASS STACK

! GLASS USED ABOVE 30 FEET IN THE HVHZ MUST HAVE A TEMPERED CAP.



TYP. GLAZING DETAIL

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Desc.	Rev	GLAZING DETAILS	
Title		Date	02/04/25
Drawn By		JENS ROSOWSKI	
Rev		Rev Date	
HR5510	Sheet	5 OF 16	DWG No. HR5510-DG

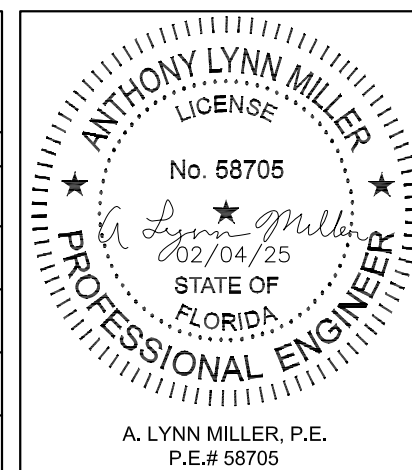


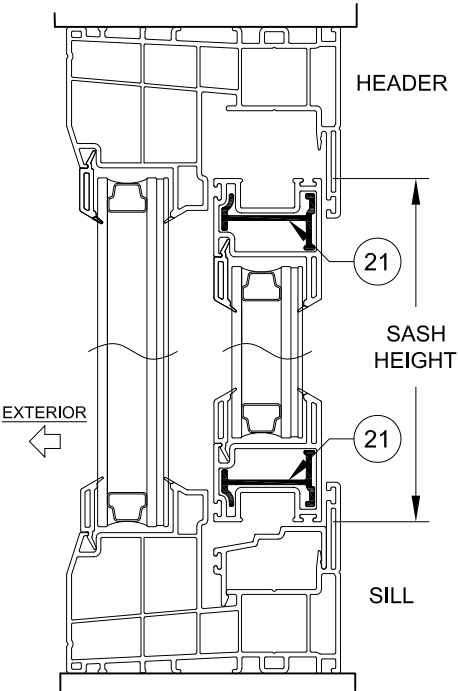
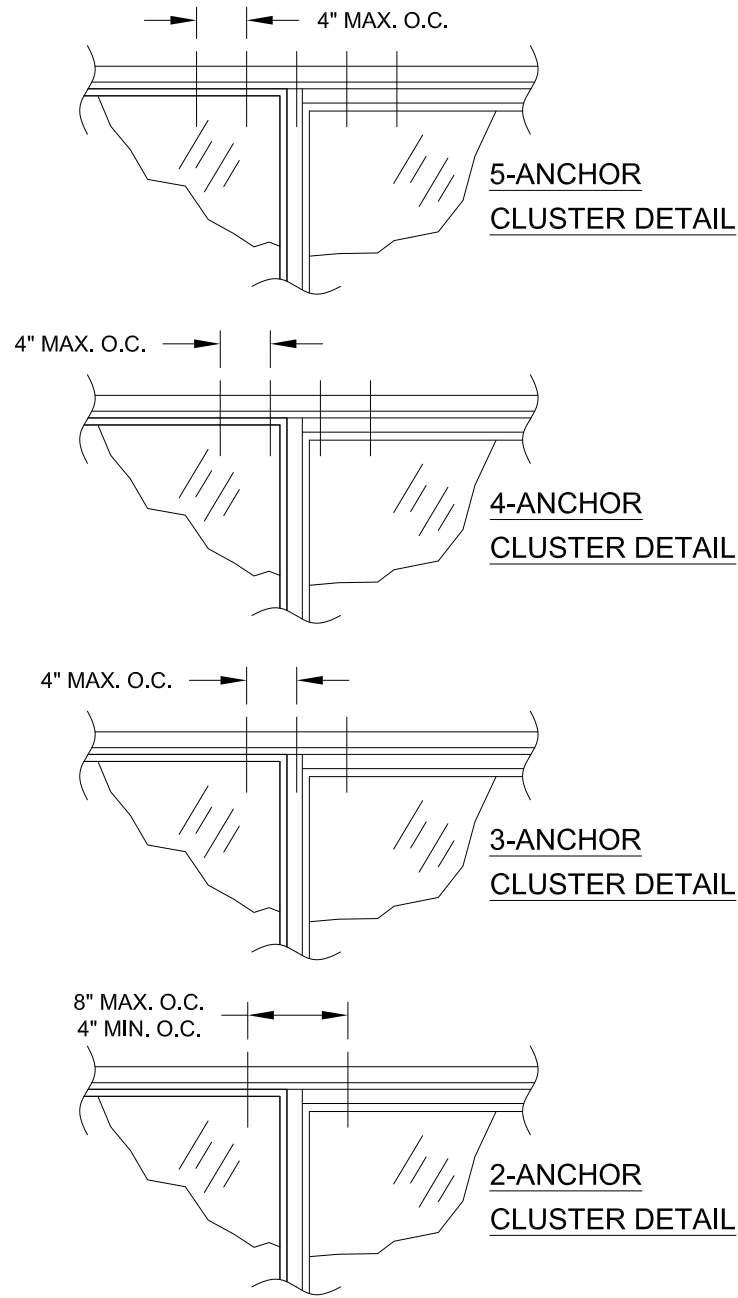
TABLE 5:

Index to All Design Pressure and Anchor Quantity Tables									
Config.	Max. Width	Max. Height	Glass Type	Reinf. Level	Frame Type Allowed	Design Pressure		Anchor Quantity	
						Table #	Sheet #	Table #	Sheet #
XO or OX	75"	54"	1 & 2	1	All	6	6	16	9
			3, 4, 6 & 7	2	All	7	6	17	9
		63"	1 & 2	3	All	8	7	18	10
			3, 4, 6 & 7	4	All	11	8	20	11
		72"	1 & 2	4	All	10	8	19	10
XOX	120"	63"	76"	5	Flange/E.L. only	12	8	21	11
			3 & 4	3	All	9	7	22	12
			3 & 4	4	Fin/J-channel only	13	8	23	8
			5	4	Flange/E.L. only	14	8	24	13
			3 & 4	4	Flange/E.L. only	15	8	25	14

- NOTES:
- 1) USE THESE TABLES FOR ALL WINDOWS INSTALLED THROUGH THE FRAME OR INTEGRAL FIN.
- 2) FRAME DIMENSIONS ARE BUCK WIDTH AND BUCK HEIGHT (SHEETS 3-4). SASH SIZE IS AS PER THE FIGURE.
- 3) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.
- 4) "1/4-1/2-1/4" AND "1/3-1/3-1/3" INDICATE THAT THOSE STANDARD SASH CONFIGURATIONS FALL WITHIN THE SASH WIDTH RANGE IN THE ADJACENT COLUMN. "CUSTOM" INDICATES THAT NO STANDARD SASH CONFIGURATIONS FALL WITHIN THE RANGE.

GLASS USED ON THIS SHEET:	
1	7/8" Lami IG: 1/8" AN Cap - 1/2" Airspace - 1/8" AN - 0.090" PVB Interlayer - 0.70mm ATG
2	7/8" Lami IG: 1/8" TP Cap - 1/2" Airspace - 1/8" AN - 0.090" PVB Interlayer - 0.70mm ATG
3	7/8" Lami IG: 1/8" HS Cap - 1/2" Airspace - 1/8" HS - 0.090" PVB Interlayer - 0.70mm ATG
4	7/8" Lami IG: 1/8" TP Cap - 1/2" Airspace - 1/8" HS - 0.090" PVB Interlayer - 0.70mm ATG
6	7/8" Lami IG: 3/16" AN Cap - 3/8" Airspace - 3/16" AN - 0.090" PVB Interlayer - 0.70mm ATG
7	7/8" Lami IG: 3/16" TP Cap - 3/8" Airspace - 3/16" AN - 0.090" PVB Interlayer - 0.70mm ATG

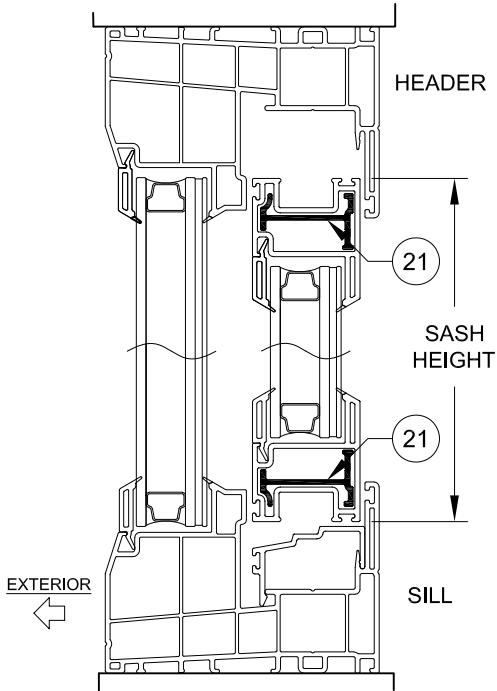
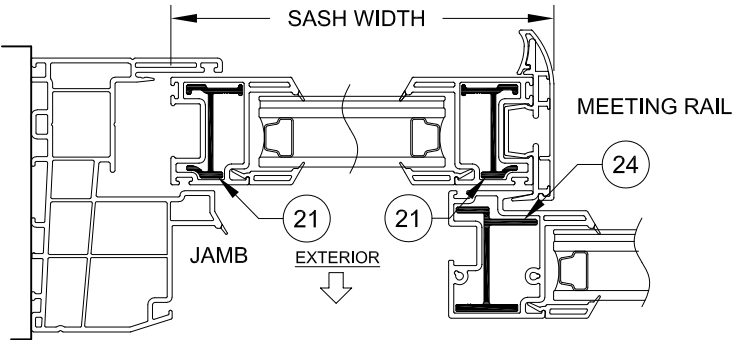
GLASS USED ABOVE 30 FEET IN THE HVHZ MUST HAVE A TEMPERED CAP.



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

Glass Types 1 & 2	Design Pressure (lbs/ft ²) for XO or OX Windows
Reinf. Level R1	All Buck Heights up to 54"
All Buck Widths up to 75"	+50 / -50

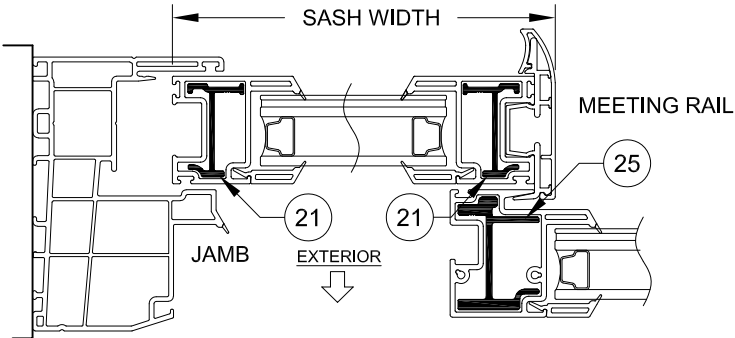
SEE TABLE 16 FOR ANCHORAGE



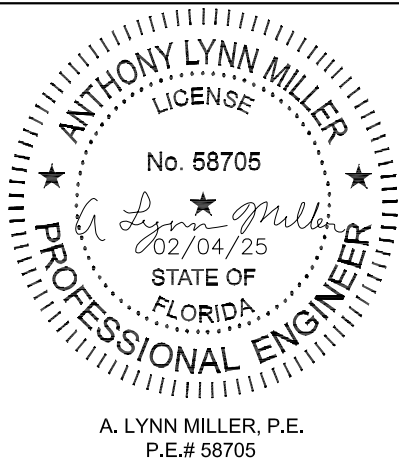
SECTION DETAIL FOR WINDOWS WITH LEVEL R2 REINFORCEMENT (REINFORCEMENTS SHOWN IN FIGURES APPLY TO ALL FRAME TYPES & CONFIGURATIONS)

Glass Types 3, 4, 6 & 7	Design Pressure (lbs/ft ²) for XO or OX Windows
Reinf. Level R2	All Buck Heights up to 54"
All Buck Widths up to 75"	+65 / -70

SEE TABLE 17 FOR ANCHORAGE



PGT Custom Windows and Doors		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296 COPYRIGHT © 2025 PGT, LLC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	
Series	Rev	Title	Date
HR5510		VINYL HORIZONTAL ROLLER WINDOW (LM)	02/04/25
Desc.		Drawn By	JENS ROSOWSKI
Rev		Rev Date	
Sheet	6 OF 16	DWG No.	HR5510-DG
		Rev	



SECTION DETAIL
FOR WINDOWS WITH
LEVEL R3 REINFORCEMENT

(REINFORCEMENTS SHOWN
IN FIGURES APPLY TO ALL
FRAME TYPES &
CONFIGURATIONS)

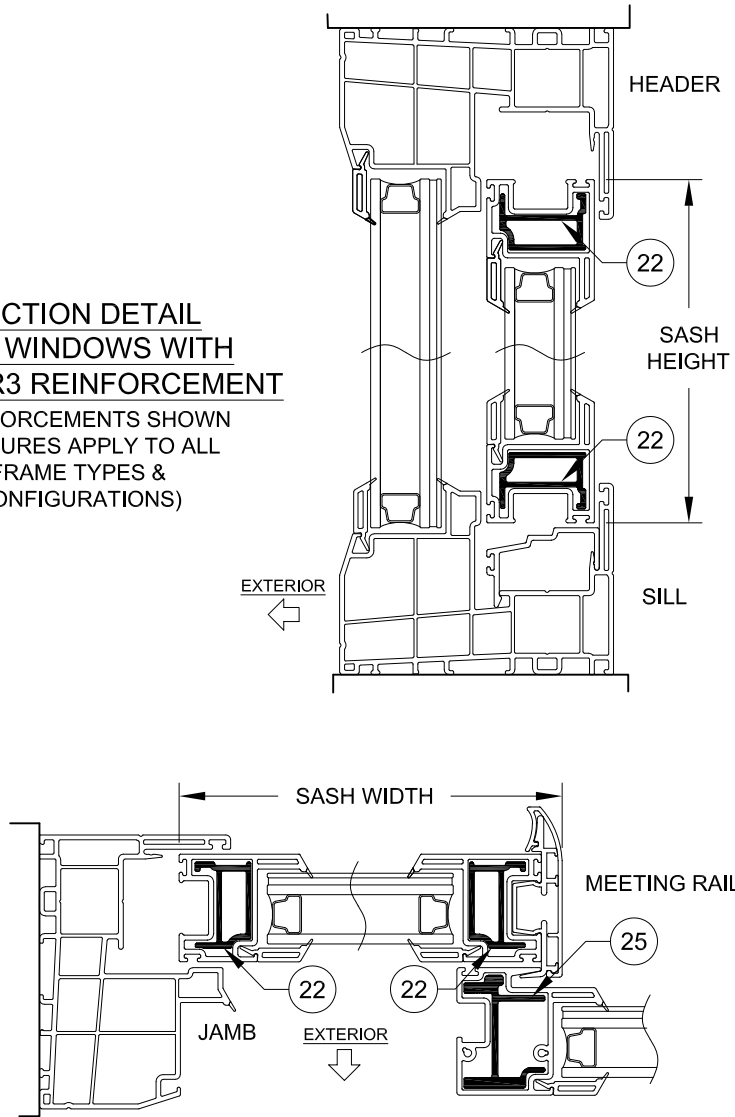


TABLE 8:

Glass Types 1 & 2	Design Pressure (lbs/ft ²) for XO or OX Windows
Reinf. Level R3	All Buck Heights up to 63"
All Buck Widths up to 75"	+50 / -50

SEE TABLE 18 FOR ANCHORAGE

TABLE 9:

Glass Types 3 & 4		Sash Configuration	Sash Width Range (in)	Design Pressure (lbs/ft ²) for XOX Windows					
				Window Buck Height					
				48"		54"		63"	
Window Buck Width	35-1/4"	⅓-⅓-⅓	11.391 - 11.391	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	38"	⅓-⅓-⅓	12.308 - 12.308	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	45-1/8"	¼-½-¼	11.391 - 13.397	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
		⅓-⅓-⅓	13.398 - 14.683	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	47-3/4"	¼-½-¼	11.391 - 12.297	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
		⅓-⅓-⅓	12.298 - 15.558	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	52-1/8"	Custom	11.391 - 12.016	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
		¼-½-¼	12.017 - 13.397	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
		⅓-⅓-⅓	13.398 - 17.016	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	60"	Custom	11.391 - 13.397	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
		¼-½-¼	13.398 - 15.360	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
		⅓-⅓-⅓	15.361 - 19.641	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	75"	Custom	11.391 - 13.397	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
		¼-½-¼	13.398 - 19.110	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
		⅓-⅓-⅓	19.111 - 24.641	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	96"	Custom	18.360 - 19.397	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
		¼-½-¼	19.398 - 24.360	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
		Custom	24.361 - 30.360	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	120"	¼-½-¼	** - 30.360	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0

** MIN. SASH SIZE = $\frac{\text{WINDOW WIDTH} - 59.28}{2}$

SEE TABLE 22 FOR ANCHORAGE

GLASS USED ON THIS SHEET:

1	7/8" Lami IG: 1/8" AN Cap - 1/2" Airspace - 1/8" AN - 0.090" PVB Interlayer - 0.70mm ATG
2	7/8" Lami IG: 1/8" TP Cap - 1/2" Airspace - 1/8" AN - 0.090" PVB Interlayer - 0.70mm ATG
3	7/8" Lami IG: 1/8" HS Cap - 1/2" Airspace - 1/8" HS - 0.090" PVB Interlayer - 0.70mm ATG
4	7/8" Lami IG: 1/8" TP Cap - 1/2" Airspace - 1/8" HS - 0.090" PVB Interlayer - 0.70mm ATG

GLASS USED ABOVE 30
FEET IN THE HVHZ MUST
HAVE A TEMPERED CAP.

- NOTES:
- 1) USE THESE TABLES FOR ALL WINDOWS INSTALLED THROUGH THE FRAME OR INTEGRAL FIN.
 - 2) FRAME DIMENSIONS ARE BUCK WIDTH AND BUCK HEIGHT (SEE SHEETS 3-4). SASH SIZE IS AS PER THE FIGURE.
 - 3) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.
 - 4)"1/4-1/2-1/4" AND "1/3-1/3-1/3" INDICATE THAT THOSE STANDARD SASH CONFIGURATIONS FALL WITHIN THE SASH WIDTH RANGE IN THE ADJACENT COLUMN. "CUSTOM" INDICATES THAT NO STANDARD SASH CONFIGURATIONS FALL WITHIN THE RANGE.

 Custom Windows and Doors		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600			
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Series	HR5510	Sheet	7 OF 16	DWG No.	HR5510-DG
Desc.	VINYL HORIZONTAL ROLLER WINDOW (LM)			Date	02/04/25
Rev	DESIGN PRESSURE TABLES			Drawn By	JENS ROSOWSKI
			Rev	Date	

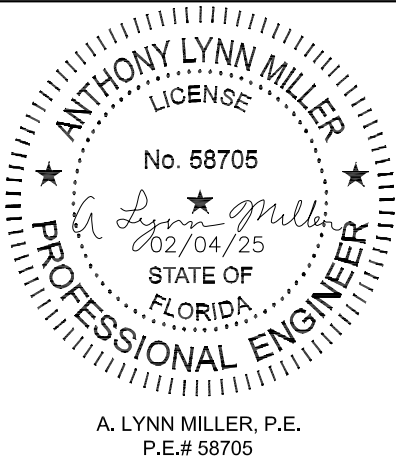


TABLE 10:

Glass Types 1 & 2		Design Pressure (lbs/ft ²) for XO or OX Windows			
Reinf. Level R4		Window Buck Height			
		63"		72"	
Window Buck Width	48"	+50.0	-50.0	+50.0	-50.0
	60"	+50.0	-50.0	+46.1	-46.1
	75"	+50.0	-50.0	+47.5*	-47.5*

SEE TABLE 19 FOR ANCHORAGE
*GLASS TYPE 2 ONLY.

TABLE 11:

Glass Types 3, 4, 6 & 7	Design Pressure (lbs/ft ²) for XO or OX Windows
Reinf. Level R4	All Buck Heights up to 63"
All Buck Widths up to 75"	+65 / -70

SEE TABLE 20 FOR ANCHORAGE

TABLE 12:

Glass Type 5		Design Pressure (lbs/ft ²) for XO or OX Windows					
Reinf. Level R4		Window Buck Height					
		54"		63"		76"	
Window Buck Width	25-1/2"	+65.0	-110.0	+65.0	-110.0	+65.0	-110.0
	28"	+65.0	-110.0	+65.0	-110.0	+65.0	-110.0
	36"	+65.0	-110.0	+65.0	-110.0	+65.0	-110.0
	42"	+65.0	-110.0	+65.0	-110.0	+65.0	-110.0
	48"	+65.0	-110.0	+65.0	-110.0	+65.0	-110.0
	60"	+65.0	-110.0	+65.0	-110.0	+65.0	-93.9
		+65.0	-110.0	+65.0	-103.5	+65.0	-80.0

SEE TABLE 21 FOR ANCHORAGE

GLASS USED ON THIS SHEET:

1	7/8" Lami IG: 1/8" AN Cap - 1/2" Airspace - 1/8" AN - 0.090" PVB Interlayer - 0.70mm ATG
2	7/8" Lami IG: 1/8" TP Cap - 1/2" Airspace - 1/8" AN - 0.090" PVB Interlayer - 0.70mm ATG
3	7/8" Lami IG: 1/8" HS Cap - 1/2" Airspace - 1/8" HS - 0.090" PVB Interlayer - 0.70mm ATG
4	7/8" Lami IG: 1/8" TP Cap - 1/2" Airspace - 1/8" HS - 0.090" PVB Interlayer - 0.70mm ATG
5	7/8" Lami IG: 1/8" TP Cap - 1/2" Airspace - 1/8" TP - 0.090" SG Interlayer - 0.70mm ATG
6	7/8" Lami IG: 3/16" AN Cap - 3/8" Airspace - 3/16" AN - 0.090" PVB Interlayer - 0.70mm ATG
7	7/8" Lami IG: 3/16" TP Cap - 3/8" Airspace - 3/16" AN - 0.090" PVB Interlayer - 0.70mm ATG

GLASS USED ABOVE 30
FEET IN THE HVHZ MUST
HAVE A TEMPERED CAP.

TABLE 14:

Glass Type 5		Sash Configuration	Sash Width Range (in)	Design Pressure (lbs/ft ²) for XOX Windows					
				Window Buck Height					
Reinf. Level R4				48"		54"		63"	
Window Buck Width	60"	Custom	11.391 - 13.397	+65.0	-110.0	+65.0	-110.0	+65.0	-110.0
		¼-½-¼	13.398 - 15.360	+65.0	-110.0	+65.0	-110.0	+65.0	-110.0
		⅓-⅓-⅓	15.361 - 19.641	+65.0	-110.0	+65.0	-110.0	+65.0	-110.0
	75"	Custom	11.391 - 13.397	+65.0	-110.0	+65.0	-110.0	+65.0	-110.0
		¼-½-¼	13.398 - 19.110	+65.0	-110.0	+65.0	-110.0	+65.0	-110.0
		⅓-⅓-⅓	19.111 - 24.641	+65.0	-110.0	+65.0	-110.0	+65.0	-110.0
	96"	Custom	17.641 - 19.397	+65.0	-110.0	+65.0	-110.0	+65.0	-110.0
		¼-½-¼	19.398 - 24.360	+65.0	-110.0	+65.0	-110.0	+65.0	-110.0
		Custom	24.361 - 31.641	+65.0	-110.0	+65.0	-110.0	+65.0	-110.0
	120"	¼-½-¼	29.641 - 32.515	+65.0	-110.0	+65.0	-110.0	+65.0	-110.0
		⅓-⅓-⅓	32.516 - 39.641	+65.0	-110.0	+65.0	-110.0	+65.0	-110.0
	140"	Custom	** - 39.641	+65.0	-110.0	+65.0	-110.0	+65.0	-110.0

** MIN. SASH SIZE = $\frac{\text{WINDOW WIDTH} - 60.72}{2}$

SEE TABLE 24 FOR ANCHORAGE

TABLE 15:

Glass Types 3 & 4		Sash Configuration	Sash Width Range (in)	Design Pressure (lbs/ft ²) for XOX Windows					
Reinf. Level R4				Window Buck Height					
				48"		54"		63"	
Window Buck Width	60"	Custom	11.391 - 13.397	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0
		¼-½-¼	13.398 - 15.360	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0
		⅓-⅓-⅓	15.361 - 19.641	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0
	75"	Custom	11.391 - 13.397	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0
		¼-½-¼	13.398 - 19.110	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0
		⅓-⅓-⅓	19.111 - 24.641	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0
	96"	Custom	17.641 - 19.397	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0
		¼-½-¼	19.398 - 24.360	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0
		Custom	24.361 - 31.641	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0
	120"	¼-½-¼	29.641 - 32.515	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0
		⅓-⅓-⅓	32.516 - 39.641	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0
	140"	Custom	** - 39.641	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0

** MIN. SASH SIZE = $\frac{\text{WINDOW WIDTH} - 60.72}{2}$

SEE TABLE 25 FOR ANCHORAGE

THIS TABLE MAY NOT
BE USED WITH
J-CHANNEL OR
● INTEGRAL FIN FRAMES

THIS TABLE MAY NOT
BE USED WITH
J-CHANNEL OR
● INTEGRAL FIN FRAMES

TABLE 13:

Glass Types 3 & 4		Sash Configuration	Sash Width Range (in)	Design Pressure (lbs/ft ²) for XOX Windows, Fin & J-channel Frames Only					
				Window Buck Height					
				48"		54"		63"	
Window Buck Width	60"	Custom	11.391 - 13.397	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0
		¼-½-¼	13.398 - 15.360	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0
		⅓-⅓-⅓	15.361 - 19.641	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0
	75"	Custom	11.391 - 13.397	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0
		¼-½-¼	13.398 - 19.110	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0
		⅓-⅓-⅓	19.111 - 24.641	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0
	96"	Custom	18.360 - 19.397	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0
		¼-½-¼	19.398 - 24.360	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0
		Custom	24.361 - 30.360	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0
	120"	¼-½-¼	** - 30.360	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0
		Custom	** - 30.360	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0
		Custom	** - 30.360	+65.0	-70.0	+65.0	-70.0	+65.0	-70.0

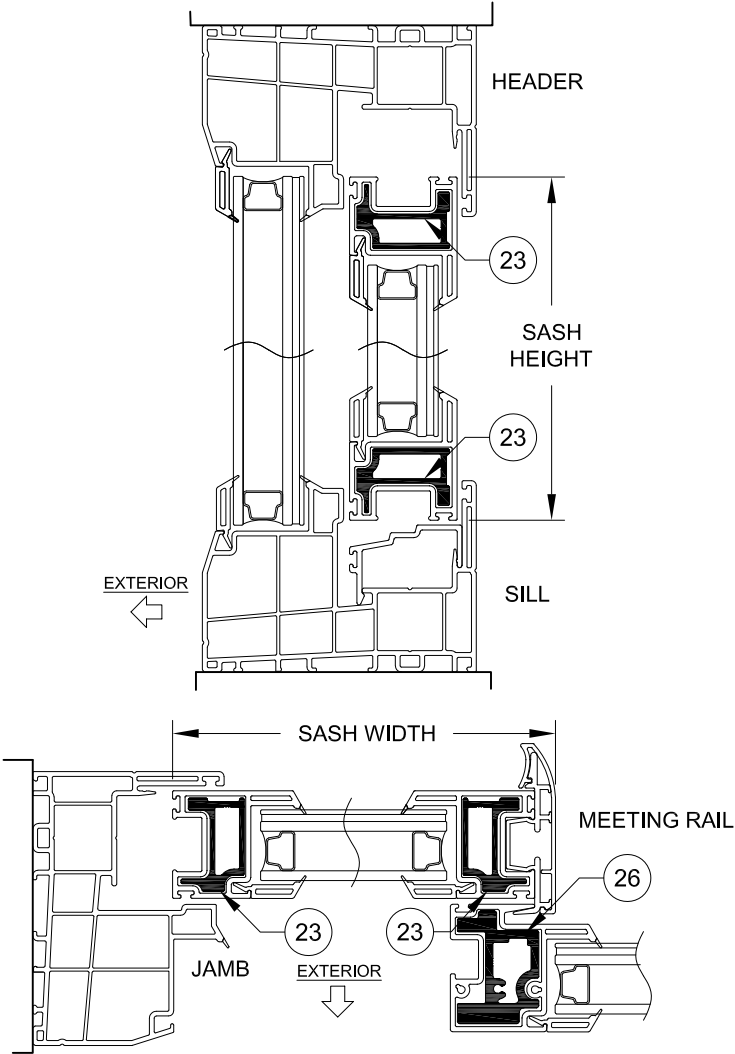
** MIN. SASH SIZE = $\frac{\text{WINDOW WIDTH} - 59.28}{2}$

SEE TABLE 23 BELOW
FOR ANCHORAGE

TABLE 23:

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

THIS TABLE
MAY ONLY BE
USED WITH
INTEGRAL FIN
● OR J-CHANNEL
FRAMES



SECTION DETAIL
FOR WINDOWS WITH
LEVEL R4 REINFORCEMENT
(REINFORCEMENTS SHOWN IN
FIGURES APPLY TO ALL FRAME
TYPES & CONFIGURATIONS)

NOTES:
1) USE THESE TABLES FOR ALL WINDOWS INSTALLED THROUGH THE FRAME OR INTEGRAL FIN AS ALLOWED BY GLASS TYPE.
2) FRAME DIMENSIONS ARE BUCK WIDTH AND BUCK HEIGHT (SEE SHEETS 3-4). SASH SIZE IS AS PER THE FIGURE.
3) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.
4) "1/4-1/2-1/4" AND "1/3-1/3-1/3" INDICATE THAT THOSE STANDARD SASH CONFIGURATIONS FALL WITHIN THE SASH WIDTH RANGE IN THE ADJACENT COLUMN. "CUSTOM" INDICATES THAT NO STANDARD SASH CONFIGURATIONS FALL WITHIN THE RANGE.

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Series	Rev	Title	Date
HR5510		VINYL HORIZONTAL ROLLER WINDOW (LM)	02/04/25
Desc.		Drawn By	JENS ROSOWSKI
Rev		Rev Date	
Sheet		DWG No.	Rev.
8 OF 16		HR5510-DG	

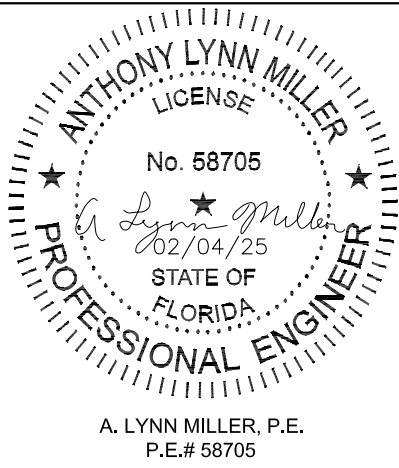


TABLE 16:

Glass Types 1 & 2		Sash Width (in)	Anchor Quantities for XO or OX Windows																	
			30" Height		36" Height		48" Height		54" Height		30" Height		36" Height		48" Height		54" Height			
Reinf. Level R1	Head & Sill		Jamb	Head & Sill		Jamb	Head & Sill		Jamb	Head & Sill		Jamb	Head & Sill		Jamb	Head & Sill		Jamb		
	Anchor Group A									Anchor Group C										
Window Buck Width	25-1/2"	12.147	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3		
	28"	13.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3		
	36"	17.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3		
	42"	20.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3		
	48"	23.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3		
	60"	29.397	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3		
	75"	36.897	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3		
			Anchor Group B									Anchor Group D								
Window Buck Width	25-1/2"	12.147	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3		
	28"	13.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3		
	36"	17.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3		
	42"	20.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3		
	48"	23.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3		
	60"	29.397	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3		
	75"	36.897	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3		

SEE TABLE 6 FOR DESIGN PRESSURE

TABLE 17:

Glass Types 3, 4, 6 & 7			Sash Width (in)	Anchor Quantities for XO or OX Windows															
				30" Height				36" Height				48" Height				54" Height			
Reinf. Level R2		Head & Sill		Jamb	Head & Sill		Jamb	Head & Sill		Jamb	Head & Sill		Jamb	Head & Sill		Jamb			
		Anchor Group A								Anchor Group C									
Window Buck Width	25-1/2"	12.147	Not Allowed								1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	
	28"	13.397									1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	
	36"	17.397									1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	
	42"	20.397									1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	
	48"	23.397									1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	
	60"	29.397									2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3	
	75"	36.897									2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3	
			Anchor Group B								Anchor Group D								
Window Buck Width	25-1/2"	12.147	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	
	28"	13.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	
	36"	17.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	
	42"	20.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	
	48"	23.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	
	60"	29.397	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3	
	75"	36.897	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3	

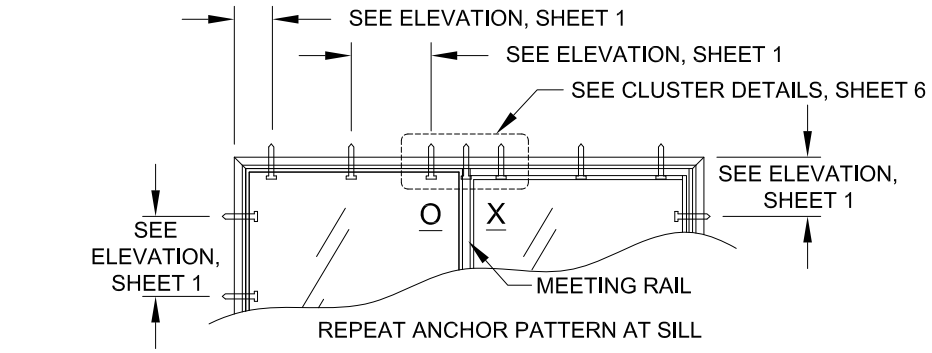
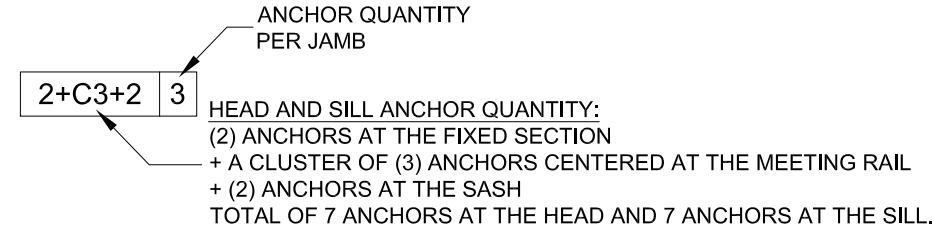
MINIMUM ANCHOR QUANTITIES SHOWN. ALL ANCHORAGE MUST ALSO COMPLY WITH THE MAX. O.C. SPACING SHOWN ON THE ELEVATIONS.

SEE TABLE 7 FOR DESIGN PRESSURE

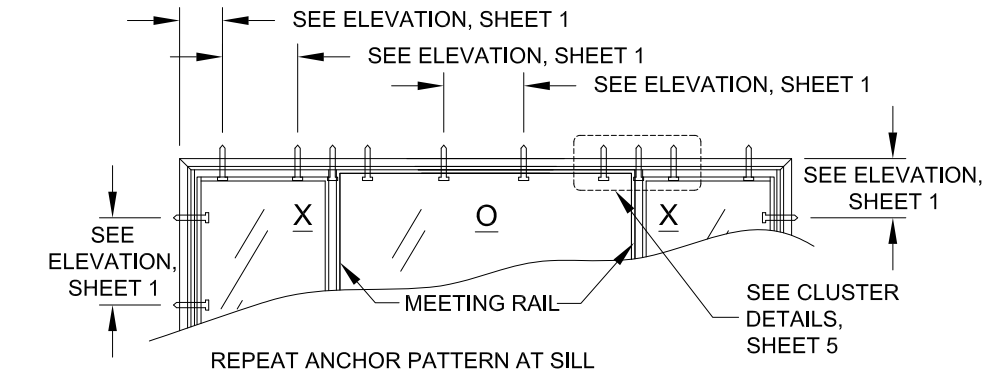
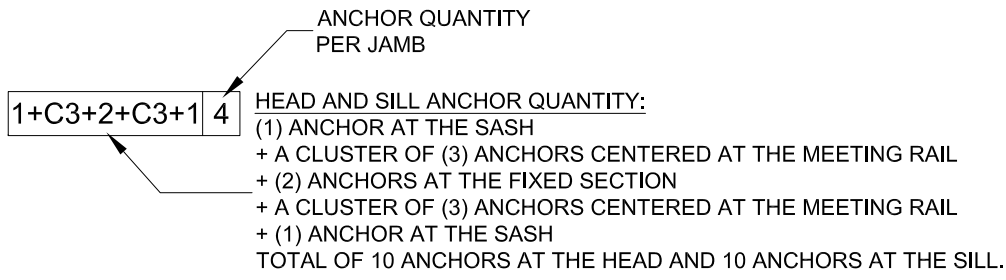
Max. Anchor O.C. Spacing for "Integral-Fin" Installation	Anchor Group E
	4"

GUIDE TO USING ANCHOR QUANTITY TABLES

FOR OX WINDOWS (XO SIMILAR):



FOR XOX WINDOWS:



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

NOTES:
1) FRAME DIMENSIONS ARE BUCK WIDTH AND BUCK HEIGHT (SEE SHEETS 3-4). SASH SIZE IS AS PER THE FIGURES ON SHEETS 6-8.
2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.

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02/04/25
Date

By
JENS ROSOWSKI

HR5510-DG

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Custom Windows and Doors
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VINYL HORIZONTAL ROLLER WINDOW (LM)

ANCHOR QUANTITY TABLES

9 OF 16

HR5510

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Rev.

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Series

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No. 58705
02/04/25
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A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 18:

Glass Types 1 & 2			Sash Width (in)	Anchor Quantities for XO or OX Windows																			
				30" Height		36" Height		48" Height		54" Height		63" Height		30" Height		36" Height		48" Height		54" Height		63" Height	
Head & Sill	Jamb	Head & Sill		Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb			
Reinf. Level R3	Anchor Group A										Anchor Group C												
Window Buck Width	25-1/2"	12.147	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	
	28"	13.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	
	36"	17.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	
	42"	20.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	
	48"	23.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	
	60"	29.397	2+C2+2	2	2+C2+2	3	2+C2+2	4	2+C2+2	4	2+C2+2	4	2+C2+2	2	2+C2+2	3	2+C2+2	4	2+C2+2	4	2+C2+2	4	
	75"	36.897	2+C2+2	2	2+C2+2	3	2+C2+2	4	2+C2+2	4	2+C3+2	4	2+C2+2	2	2+C2+2	3	2+C2+2	4	2+C2+2	4	2+C2+2	4	
			Anchor Group B										Anchor Group D										
Window Buck Width	25-1/2"	12.147	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	
	28"	13.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	
	36"	17.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	
	42"	20.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	
	48"	23.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	
	60"	29.397	2+C2+2	2	2+C2+2	3	2+C2+2	4	2+C2+2	4	2+C2+2	4	2+C2+2	2	2+C2+2	3	2+C2+2	4	2+C2+2	4	2+C2+2	4	
	75"	36.897	2+C2+2	2	2+C2+2	3	2+C2+2	4	2+C2+2	4	2+C2+2	4	2+C2+2	2	2+C2+2	3	2+C2+2	4	2+C2+2	4	2+C2+2	4	

SEE TABLE 8 FOR DESIGN PRESSURE

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

- NOTES:
- 1) FRAME DIMENSIONS ARE BUCK WIDTH AND BUCK HEIGHT (SEE SHEETS 3-4). SASH SIZE IS AS PER THE FIGURES ON SHEETS 6-8.
- 2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.
- 3) SEE SHEET 9 FOR A GUIDE TO USING THESE TABLES.

TABLE 19:

Glass Types 1 & 2		Sash Width (in)	Anchor Quantities for XO or OX Windows																							
			30" Height		36" Height		48" Height		54" Height		63" Height		72" Height		30" Height		36" Height		48" Height		54" Height		63" Height		72" Height	
Head & Sill	Jamb		Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb		
Anchor Group A												Anchor Group C														
Window Buck Width	25-1/2"	12.147	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	5	1+C2+1	5	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	5	1+C2+1	5
	28"	13.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	5	1+C2+1	5	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	5	1+C2+1	5
	36"	17.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	5	1+C3+1	5	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	5	1+C3+1	5
	42"	20.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C3+1	5	1+C3+1	5	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C3+1	5	1+C3+1	5
	48"	23.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C3+1	4	1+C3+1	5	1+C3+1	5	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C3+1	4	1+C3+1	5	1+C3+1	5
	60"	29.397	2+C2+2	2	2+C2+2	3	2+C2+2	4	2+C3+2	4	2+C3+2	5	2+C4+2	5	2+C2+2	2	2+C2+2	3	2+C2+2	4	2+C3+2	4	2+C3+2	5	2+C4+2	5
	75"	36.897	2+C2+2	2	2+C2+2	3	2+C3+2	4	2+C3+2	4	2+C4+2	5	2+C4+2	5	2+C2+2	2	2+C2+2	3	2+C3+2	4	2+C3+2	4	2+C4+2	5	2+C4+2	5
			Anchor Group B												Anchor Group D											
Window Buck Width	25-1/2"	12.147	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	5	1+C2+1	5	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	5	1+C2+1	5
	28"	13.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	5	1+C2+1	5	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	5	1+C2+1	5
	36"	17.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	5	1+C3+1	5	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	5	1+C3+1	5
	42"	20.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C3+1	5	1+C3+1	5	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C3+1	5	1+C3+1	5
	48"	23.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C3+1	4	1+C3+1	5	1+C3+1	5	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C3+1	4	1+C3+1	5	1+C3+1	5
	60"	29.397	2+C2+2	2	2+C2+2	3	2+C2+2	4	2+C3+2	4	2+C3+2	5	2+C4+2	5	2+C2+2	2	2+C2+2	3	2+C2+2	4	2+C3+2	4	2+C3+2	5	2+C4+2	5
	75"	36.897	2+C2+2	2	2+C2+2	3	2+C3+2	4	2+C3+2	4	2+C4+2	5	2+C4+2	5	2+C2+2	2	2+C2+2	3	2+C3+2	4	2+C3+2	4	2+C4+2	5	2+C4+2	5

SEE TABLE 10 FOR DESIGN PRESSURE

MINIMUM ANCHOR QUANTITIES SHOWN. ALL ANCHORAGE MUST ALSO COMPLY WITH THE MAX. O.C. SPACING SHOWN ON THE ELEVATIONS.

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

PREPARED BY A. LYNN MILLER
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VINYL HORIZONTAL ROLLER WINDOW (LM)

ANCHOR QUANTITY TABLES

Date

02/04/25

By

JENS ROSOWSKI

No.

10 OF 16

Sheet

HR5510

Desc.

HR5510-DG

MINIMUM ANCHOR QUANTITIES SHOWN. ALL ANCHORAGE MUST ALSO COMPLY WITH THE MAX. O.C. SPACING SHOWN ON THE ELEVATIONS.

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

NOTES:

- 1) FRAME DIMENSIONS ARE BUCK WIDTH AND BUCK HEIGHT (SEE SHEETS 3-4).
- 2) SASH SIZE IS AS PER THE FIGURES ON SHEETS 6-8.
- 3) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.
- 4) SEE SHEET 9 FOR A GUIDE TO USING THESE TABLES.
- 5) "1/4-1/2-1/4" AND "1/3-1/3-1/3" INDICATE THAT THOSE STANDARD SASH CONFIGURATIONS FALL WITHIN THE SASH WIDTH RANGE. IN THE ADJACENT COLUMN. "CUSTOM" INDICATES THAT NO STANDARD SASH CONFIGURATIONS FALL WITHIN THE RANGE.

SEE TABLE 9 FOR DESIGN PRESSURE

ANTHONY LYNN MILLER

LICENSE

No. 58705

A. Lynn Miller

02/04/25

STATE OF
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PROFESSIONAL ENGINEER

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

TABLE 24: MINIMUM ANCHOR QUANTITIES SHOWN. ALL ANCHORAGE MUST ALSO COMPLY WITH THE MAX. O.C. SPACING SHOWN ON THE ELEVATIONS.

Glass Type 5		Sash Configuration	Sash Width Range (in)	Anchor Quantities for XOX Windows																							
				24" Height		30" Height		36" Height		48" Height		54" Height		63" Height		24" Height		30" Height		36" Height		48" Height		54" Height		63" Height	
				Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb
Reinf. Level R4				Anchor Group A												Anchor Group C											
Window Buck Width	35-1/4"	⅓-⅓-⅓	11.391 - 11.391	Not Allowed												1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4
	38"	⅓-⅓-⅓	12.308 - 12.308													1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4
	45-1/8"	¼-½-¼	11.391 - 13.397													1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4
		⅓-⅓-⅓	13.398 - 14.683													1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C3+0+C3+1	4
	47-3/4"	¼-½-¼	11.391 - 12.297													1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4
		⅓-⅓-⅓	12.298 - 15.558													1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4
	52-1/8"	Custom	11.391 - 12.016													1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4
		¼-½-¼	12.017 - 13.397													1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4
		⅓-⅓-⅓	13.398 - 17.016													1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4
	60"	Custom	11.391 - 13.397													1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C2+2+C2+1	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4
		¼-½-¼	13.398 - 15.360													1+C2+1+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C2+2+C2+1	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4
		⅓-⅓-⅓	15.361 - 19.641													1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C4+0+C4+1	4
	75"	Custom	11.391 - 13.397													1+C2+2+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C2+3+C2+1	4	1+C3+3+C3+1	4	1+C3+3+C3+1	4
		¼-½-¼	13.398 - 19.110													1+C2+2+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C3+3+C3+1	4	1+C3+3+C3+1	4	1+C4+3+C4+1	4
		⅓-⅓-⅓	19.111 - 24.641													1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4
	96"	Custom	17.641 - 19.397													1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C3+4+C3+1	4	1+C3+4+C3+1	4	1+C4+4+C4+1	4
		¼-½-¼	19.398 - 24.360													1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C3+4+C3+1	4	1+C3+4+C3+1	4	1+C4+4+C4+1	4
		⅓-⅓-⅓	24.361 - 31.641													2+C2+2+C2+2	2	2+C2+3+C2+2	2	2+C2+3+C2+2	3	2+C3+3+C3+2	4	2+C3+3+C3+2	4	2+C4+3+C4+2	4
120"	¼-½-¼	29.641 - 32.515	2+C2+3+C2+2	2	2+C2+3+C2+2	2	2+C2+4+C2+2	3	2+C3+4+C3+2	4	2+C3+4+C3+2	4	2+C4+4+C4+2	4													
	⅓-⅓-⅓	32.516 - 39.641	2+C2+3+C2+2	2	2+C2+3+C2+2	2	2+C2+3+C2+2	3	2+C3+4+C3+2	4	2+C4+4+C4+2	4	2+C5+4+C5+2	4													
140"	Custom	** - 39.641	2+C2+3+C2+2	2	2+C2+3+C2+2	2	2+C2+4+C2+2	3	2+C3+4+C3+2	4	2+C4+4+C4+2	4	2+C5+4+C5+2	4													
				Anchor Group B												Anchor Group D											
Window Buck Width	35-1/4"	⅓-⅓-⅓	11.391 - 11.391	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4
	38"	⅓-⅓-⅓	12.308 - 12.308	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4
	45-1/8"	¼-½-¼	11.391 - 13.397	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C3+0+C3+1	4
		⅓-⅓-⅓	13.398 - 14.683	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C3+0+C3+1	4
	47-3/4"	¼-½-¼	11.391 - 12.297	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4
		⅓-⅓-⅓	12.298 - 15.558	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4
	52-1/8"	Custom	11.391 - 12.016	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4
		¼-½-¼	12.017 - 13.397	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4
		⅓-⅓-⅓	13.398 - 17.016	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4
	60"	Custom	11.391 - 13.397	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C2+2+C2+1	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C2+2+C2+1	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4
		¼-½-¼	13.398 - 15.360	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C2+2+C2+1	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	4	1+C3+1+C3+1	4	1+C3+1+C3+1	4
		⅓-⅓-⅓	15.361 - 19.641	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C4+0+C4+1	4
	75"	Custom	11.391 - 13.397	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C2+3+C2+1	4	1+C3+3+C3+1	4	1+C3+3+C3+1	4	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+3+C2+1	3	1+C2+3+C2+1	4	1+C3+3+C3+1	4	1+C3+3+C3+1	4
		¼-½-¼	13.398 - 19.110	1+C2+2+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C3+3+C3+1	4	1+C3+3+C3+1	4	1+C4+3+C4+1	4	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C4+2+C4+1	4
		⅓-⅓-⅓	19.111 - 24.641	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4
	96"	Custom	17.641 - 19.397	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+4+C2+1	3	1+C3+4+C3+1	4	1+C3+4+C3+1	4	1+C4+4+C4+1	4	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C3+4+C3+1	4	1+C3+4+C3+1	4	1+C4+4+C4+1	4
		¼-½-¼	19.398 - 24.360	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+4+C2+1	3	1+C3+4+C3+1	4	1+C3+4+C3+1	4	1+C4+4+C4+1	4	1+C2+2+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C3+3+C3+1	4	1+C3+3+C3+1	4	1+C4+3+C4+1	4
		⅓-⅓-⅓	24.361 - 31.641	2+C2+2+C2+2	2	2+C2+3+C2+2	2	2+C2+3+C2+2	3	2+C3+3+C3+2	4	2+C3+3+C3+2	4	2+C4+3+C4+2	4	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C4+2+C4+1	4
120"	¼-½-¼	29.641 - 32.515	2+C2+3+C2+2	2	2+C2+3+C2+2	2	2+C2+4+C2+2	3	2+C3+4+C3+2	4	2+C3+4+C3+2	4	2+C4+4+C4+2	4	2+C2+3+C2+2	2	2+C2+3+C2+2	2	2+C2+3+C2+2	3	2+C3+4+C3+2	4	2+C3+4+C3+2	4	2+C4+4+C4+2	4	
	⅓-⅓-⅓	32.516 - 39.641	2+C2+3+C2+2	2	2+C2+3+C2+2	2	2+C2+3+C2+2	3	2+C3+4+C3+2	4	2+C4+4+C4+2	4	2+C5+4+C5+2	4	2+C2+2+C2+2	2	2+C2+3+C2+2	2	2+C2+3+C2+2	3	2+C3+3+C3+2	4	2+C4+3+C4+2	4	2+C4+3+C4+2	4	
140"	Custom	** - 39.641	2+C2+3+C2+2	2	2+C2+3+C2+2	2	2+C2+4+C2+2	3	2+C3+4+C3+2	4	2+C4+4+C4+2	4	2+C5+4+C5+2	4	2+C2+3+C2+2	2	2+C2+3+C2+2	2	2+C2+3+C2+2	3	2+C3+4+C3+2	4	2+C4+4+C4+2	4	2+C4+4+C4+2	4	

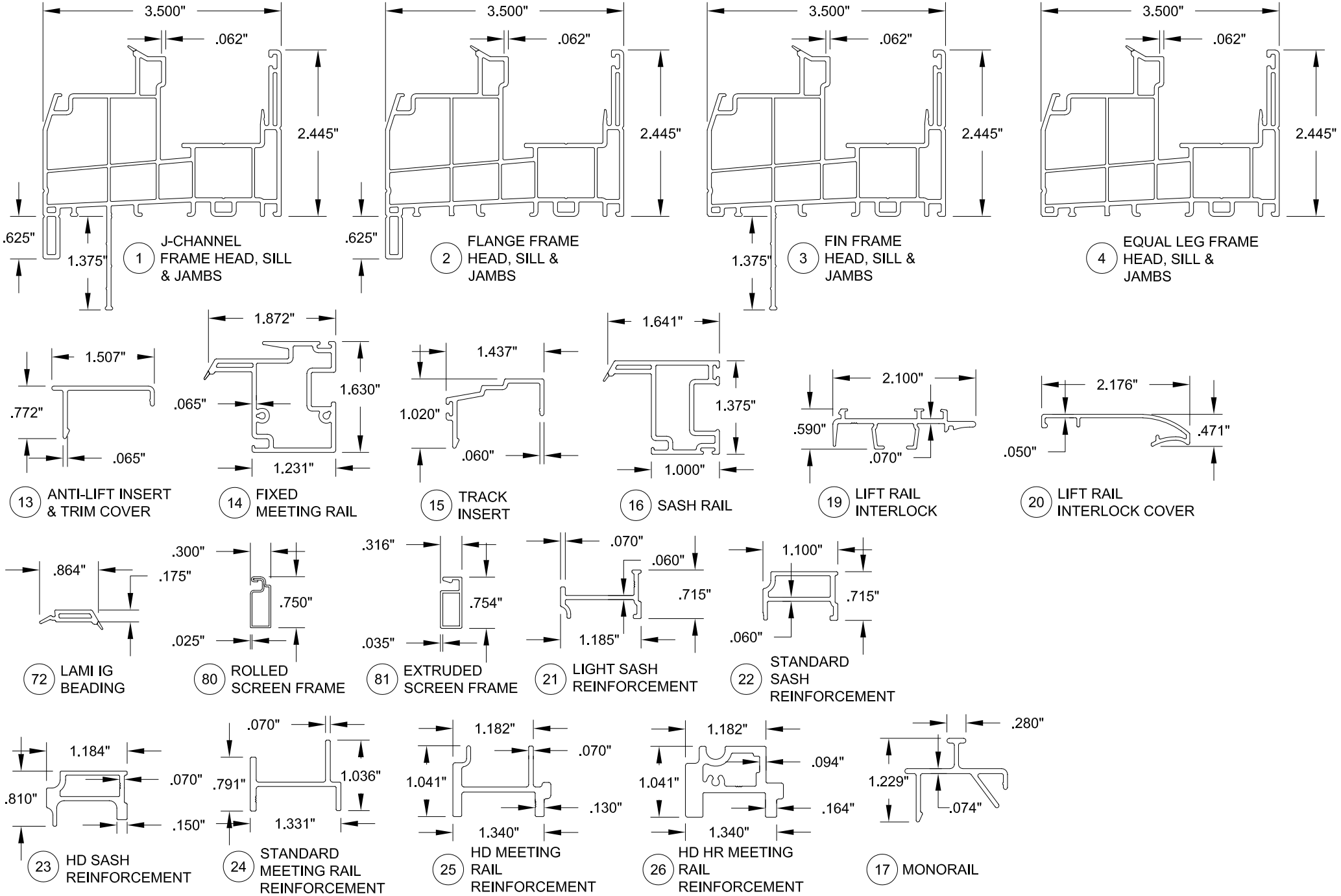
TABLE 25: MINIMUM ANCHOR QUANTITIES SHOWN. ALL ANCHORAGE MUST ALSO COMPLY WITH THE MAX. O.C. SPACING SHOWN ON THE ELEVATIONS.

Glass Types 3 & 4		Sash Configuration	Sash Width Range (in)	Anchor Quantities for XOX Windows																									
				24" Height		30" Height		36" Height		48" Height		54" Height		63" Height		24" Height		30" Height		36" Height		48" Height		54" Height		63" Height			
				Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb		
Reinf. Level R4				Anchor Group A												Anchor Group C													
Window Buck Width	35-1/4"	⅓-⅓-⅓	11.391 - 11.391	Not Allowed												1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4
	38"	⅓-⅓-⅓	12.308 - 12.308													1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4		
	45-1/8"	¼-½-¼	11.391 - 13.397													1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4		
		⅓-⅓-⅓	13.398 - 14.683													1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4		
	47-3/4"	¼-½-¼	11.391 - 12.297													1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	4		
		⅓-⅓-⅓	12.298 - 15.558													1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4		
	52-1/8"	Custom	11.391 - 12.016													1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	4		
		¼-½-¼	12.017 - 13.397													1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	4		
		⅓-⅓-⅓	13.398 - 17.016													1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4		
	60"	Custom	11.391 - 13.397													1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	4		
		¼-½-¼	13.398 - 15.360													1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	4		
		⅓-⅓-⅓	15.361 - 19.641													1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4		
	75"	Custom	11.391 - 13.397													1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C2+3+C2+1	4	1+C2+3+C2+1	4	1+C2+3+C2+1	4		
		¼-½-¼	13.398 - 19.110													1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C2+2+C2+1	4	1+C2+2+C2+1	4	1+C2+2+C2+1	4		
		⅓-⅓-⅓	19.111 - 24.641													1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	4		
	96"	Custom	17.641 - 19.397													1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C2+3+C2+1	4	1+C2+3+C2+1	4	1+C2+3+C2+1	4		
		¼-½-¼	19.398 - 24.360													1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C2+3+C2+1	4	1+C2+3+C2+1	4	1+C3+3+C3+1	4		
		⅓-⅓-⅓	24.361 - 31.641													1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C2+2+C2+1	4	1+C2+2+C2+1	4	1+C3+2+C3+1	4		
	120"	¼-½-¼	29.641 - 32.515													1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C2+3+C2+1	4	1+C2+3+C2+1	4	1+C3+3+C3+1	4		
		⅓-⅓-⅓	32.516 - 39.641													2+C2+2+C2+2	2	2+C2+2+C2+2	2	2+C2+2+C2+2	3	2+C2+3+C2+2	4	2+C2+3+C2+2	4	2+C3+3+C3+2	4		
140"	Custom	* - 39.641	2+C2+4+C2+2	2	2+C2+4+C2+2	2	2+C2+4+C2+2	3	2+C2+4+C2+2	4	2+C2+4+C2+2	4	2+C3+4+C3+2	4															
Window Buck Width	35-1/4"	⅓-⅓-⅓	11.391 - 11.391	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4		
	38"	⅓-⅓-⅓	12.308 - 12.308	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4		
	45-1/8"	¼-½-¼	11.391 - 13.397	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4		
		⅓-⅓-⅓	13.398 - 14.683	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4		
	47-3/4"	¼-½-¼	11.391 - 12.297	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	4		
		⅓-⅓-⅓	12.298 - 15.558	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4		
	52-1/8"	Custom	11.391 - 12.016	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	4		
		¼-½-¼	12.017 - 13.397	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	4		
		⅓-⅓-⅓	13.398 - 17.016	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4		
	60"	Custom	11.391 - 13.397	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	4		
		¼-½-¼	13.398 - 15.360	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	4		
		⅓-⅓-⅓	15.361 - 19.641	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4		
	75"	Custom	11.391 - 13.397	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C2+3+C2+1	4	1+C2+3+C2+1	4	1+C2+3+C2+1	4	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C2+3+C2+1	4	1+C2+3+C2+1	4	1+C2+3+C2+1	4		
		¼-½-¼	13.398 - 19.110	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C2+2+C2+1	4	1+C2+2+C2+1	4	1+C3+2+C3+1	4	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C2+2+C2+1	4	1+C2+2+C2+1	4	1+C2+2+C2+1	4		
		⅓-⅓-⅓	19.111 - 24.641	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C3+1+C3+1	4	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	4		
	96"	Custom	17.641 - 19.397	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C2+3+C2+1	4	1+C2+3+C2+1	4	1+C3+3+C3+1	4	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C2+3+C2+1	4	1+C2+3+C2+1	4	1+C2+3+C2+1	4		
		¼-½-¼	19.398 - 24.360	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C2+3+C2+1	4	1+C2+3+C2+1	4	1+C3+3+C3+1	4	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C2+3+C2+1	4	1+C2+3+C2+1	4	1+C2+3+C2+1	4		
		⅓-⅓-⅓	24.361 - 31.641	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C2+2+C2+1	4	1+C2+2+C2+1	4	1+C3+2+C3+1	4	1+C2+1+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C2+2+C2+1	4	1+C2+2+C2+1	4	1+C2+2+C2+1	4		
	120"	¼-½-¼	29.641 - 32.515	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C2+3+C2+1	4	1+C2+3+C2+1	4	1+C3+3+C3+1	4	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C2+3+C2+1	4	1+C2+3+C2+1	4	1+C3+3+C3+1	4		
		⅓-⅓-⅓	32.516 - 39.641	2+C2+2+C2+2	2	2+C2+2+C2+2	2	2+C2+2+C2+2	3	2+C2+3+C2+2	4	2+C2+3+C2+2	4	2+C3+3+C3+2	4	2+C2+2+C2+2	2	2+C2+2+C2+2	2	2+C2+2+C2+2	3	2+C2+2+C2+2	4	2+C2+2+C2+2	4	2+C3+2+C3+2	4		
140"	Custom	* - 39.641	2+C2+4+C2+2	2	2+C2+4+C2+2	2	2+C2+4+C2+2	3	2+C2+4+C2+2	4	2+C2+4+C2+2	4	2+C3+4+C3+2	4	2+C2+4+C2+2	2	2+C2+4+C2+2	2	2+C2+4+C2+2	3	2+C2+4+C2+2	4	2+C2+4+C2+2	4	2+C3+4+C3+2	4			

TABLE 26:

Bill of Material			
#	Part #	Description	Material
1	620121	Frame Head, Sill and Jambs - J-Channel	PVC
2	620122	Frame Head, Sill and Jambs - Flange	PVC
3	620123	Frame Head, Sill and Jambs - Fin	PVC
4	620124	Frame Head, Sill and Jambs - Equal Leg	PVC
13	620172	Anti-Lift Insert / Trim Cover	PVC
14	620131	Fixed Meeting Rail	PVC
15	620158	Track Insert	6063 T6 Al
16	620129	Sash Rail (Sides, Top & Bottom)	PVC
17	620166	Monorail	6063 T6 Al
19	620156	Pull Rail Interlock	6063 T6 Al
20	620144	Pull Rail Interlock Cover	PVC
21	620150	Light Sash Reinforcement	6063 T6 Al
22	620151	Standard Sash Reinforcement	6063 T6 Al
23	620152	HD Sash Reinforcement	6063 T6 Al
24	620153	Standard Meeting Rail Reinforcement	6005 T5 Al
25	620154	HD Meeting Rail Reinforcement	6005 T5 Al
26	620155	H.D. Horiz. Roller Meeting Rail Reinforcement	6005 T5 Al
27	710X114PPA	#10 x 1-1/4" PH. PH SDS (Monorail Screw)	410 SS
28	61644	Weatherstrip, .187" x .270" Fin Pile	
29	61719	Weatherstrip, .187" x .220" Poly Pile	
30		#8 x 1" Ph. PH SDS (Interlock Mounting Screw)	410 SS
31	78X312PPA	#8 x 3-1/2" Ph. PH SMS (Fixed Meeting Rail Screw)	410 SS
32	71669SP	Meeting Rail Screw Support Plate	6063 T5 Al
33	720210	Weep Hole Cover	PVC
34	720187	Installation Screw Hole Plug	PVC
37	720197	Auto Lock	C Steel
38	720199	Sweep Lock	Cast Zinc
39	720196	Auto Lock Cover Assembly	Cast Zinc
40		#6 x 1-1/8" Ph. FH SDS (Auto and Sweep Lock Screw)	SS
41	720200	Auto and Sweep Lock Keeper	Cast Zinc
42	76X34PPA	#6 x 3/4" PH. PH SDS (Keeper Screw)	SS
43	7612FPTX	#6 x 1/2" FPH Tek (Reinforcement Screw)	SS
44		Leadstile Top Corner Key	Nylon
45		Leadstile Bottom Corner Key	Nylon
46		Lockstile Top Corner Key	Nylon
47		Lockstile Bottom Corner Key	Nylon
48	720204	Wheel	Nylon
72	620135	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
79	varies	TPS, SuperSpacer or Metal Spacer	varies
80	61011	Roll-formed Screen	Alum
81	61012	Extruded Screen Frame	Alum
83	47042W	Screen Corner Key with Pull Ring	PVC
84	47041W/CKGLB	Screen Corner Key No Pull Ring	PVC
85	7CASP	Tension Spring	SS
86	61816C48	Screen Cloth	Fiberglass
87	61635/61614	.140" Screen Spline (Machine/Hand Rolled)	Vinyl

NOTES:
1) ITEMS # 5-12, 18, 35, 36, 49-71 & 73 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.
2) PVC BY VISION EXTRUSION, LTD., TO BE LABELED FOR AAMA EXTRUDER CODE.



PGT
Custom Windows and Doors

3400 PRECISION DRIVE
N. VENICE, FL 34275
(941) 480-1600

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

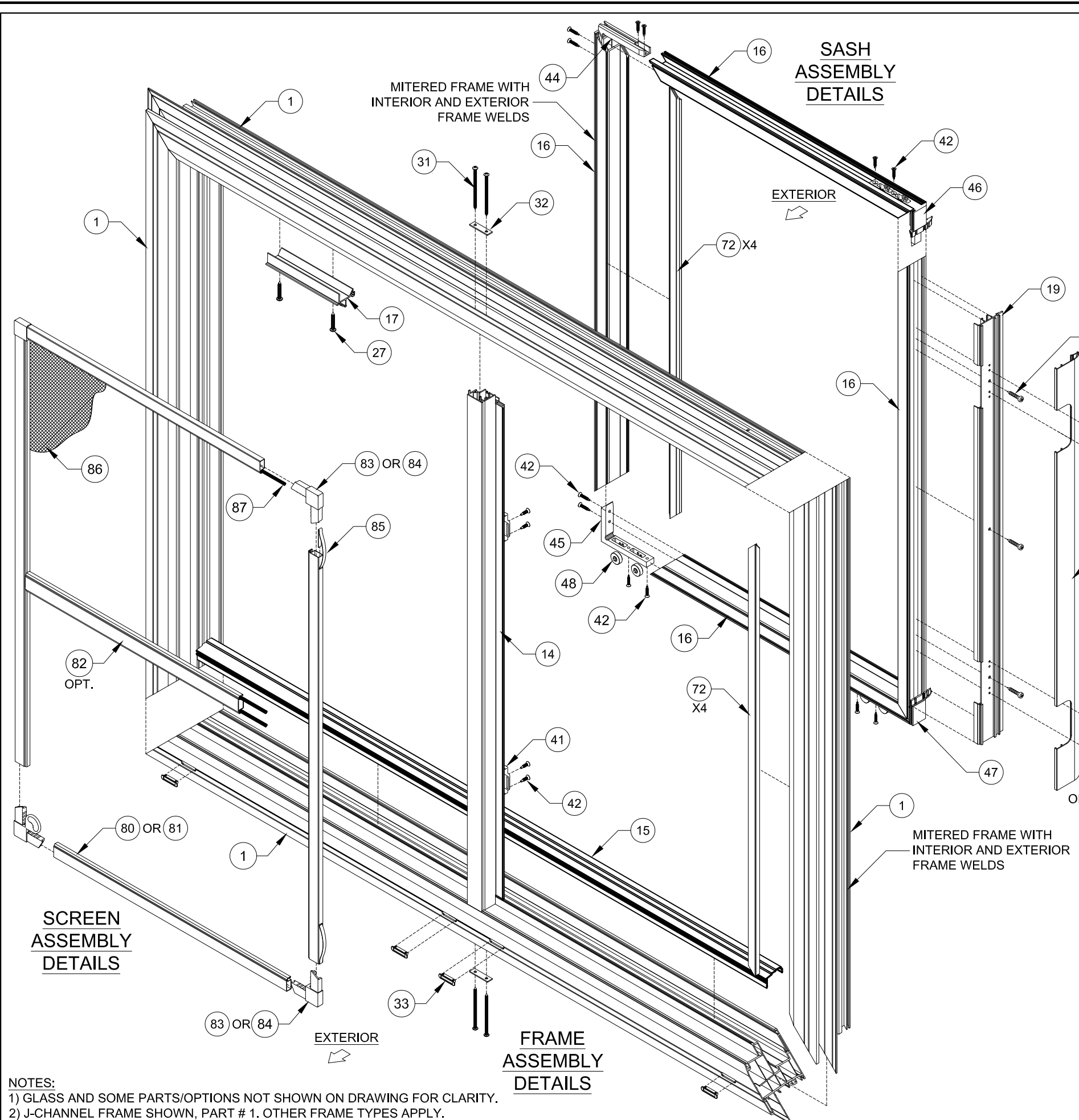
REGISTRATION #29296

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Title	VINYL HORIZONTAL ROLLER WINDOW (LM)		Date	02/04/25
Desc.	WINDOW EXTRUSIONS & BOM		Drawn By	JENS ROSOWSKI
Rev			Rev Date	
Series	HR5510	Sheet	15 OF 16	DWG No. HR5510-DG

ANTHONY LYNN MILLER
LICENSE
No. 58705
02/04/25
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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



Egress Lock Bill of Material			
#	Part #	Description	Material
100	7MC7024	Multi-Point Lock Operator	Cast Zinc
101	73340	Operator mounting Plate	Steel
102	72015	Multipoint Lock Keeper	Aluminum
103	720214	Multipoint Lock Guide	Nylon
104	220217-221	Tie Bar (Length Varies)	Stainless Steel
105	71024X12HFX	#10 x 1/2" HH MS	Stainless Steel
106	78X1FPAX	#8 x 1" Ph. FH SMS	Stainless Steel
107	78X75FPTX	#8 x 3/4" Ph. FH SDS	Stainless Steel

EGRESS LOCK
DETAILS
(NOT TO SCALE)

NOTES:
1) GLASS AND SOME PARTS/OPTIONS NOT SHOWN ON DRAWING FOR CLARITY.
2) J-CHANNEL FRAME SHOWN, PART # 1. OTHER FRAME TYPES APPLY.
3) FOR REINFORCEMENT TYPES, SEE DETAILS ON SHEETS 6-8.

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Custom Windows and Doors

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1070 TECHNOLOGY DRIVE
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Series

Rev

Desc.

Title

HR5510

EXPLODED WINDOW VIEW

VINYL HORIZONTAL ROLLER WINDOW (LM)

Sheet

DWG No.

Rev.

Date

16 OF 16

HR5510-DG

02/04/25

Drawn By

JENS ROSOWSKI

ANTHONY LYNN MILLER
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A. LYNN MILLER, P.E.
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