

PLY GEM WINDOWS - 1570 SERIES FIXED/SPECALITY WINDOW HVHZ IMPACT RATED

INSTALLATION NOTES:

1. ONE (I) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5. FIN INSTALLATION: FOR INSTALLATION INTO WOOD FRAMING USE **#8 WOOD SCREWS** OR **11 GAUGE ROOFING NAILS** OR **10d COMMON NAILS** OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. FIN INSTALLATION: FOR INSTALLATION INTO METAL STUD USE **#8 GRADE 5 SELF-DRILLING OR SELF-TAPPING PH OR HWH SCREWS**, OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL WALL.
7. THROUGH FRAME INSTALLATION: FOR INSTALLATION THROUGH IX BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE **3/16 INCH DIAMETER ITW TAPCONS** OF SUFFICIENT LENGTH TO ACHIEVE 1-1/4 INCH MINIMUM EMBEDMENT.
8. THROUGH FRAME INSTALLATION: FOR INSTALLATION INTO WOOD FRAMING USE **#10 WOOD SCREWS** OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
9. THROUGH FRAME INSTALLATION: FOR INSTALLATION INTO METAL STUD USE **#10 GRADE 5 SELF-DRILLING OR SELF-TAPPING PH OR HWH SCREWS** OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL WALL.
10. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
11. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
12. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
13. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
14. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42.

B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

C. GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.

D. HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

E. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 35.9 MIL (0.0478" OR 18 GAUGE). MIN. 1/2" EDGE DISTANCE FOR FINLESS INSTALLATION AND MIN. 3/8" EDGE DISTANCE FOR FIN INSTALLATION.

F. ALUMINUM - MINIMUM ALLOY 6063-T5. MINIMUM WALL THICKNESS OF 1/8". MIN. 1/2" EDGE DISTANCE FOR FINLESS INSTALLATION AND MIN. 3/8" EDGE DISTANCE FOR FIN INSTALLATION.

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:

- TAS 201-94
 - TAS 202-94
 - TAS 203-94
 - AAMA/WDMA/CSA 101/I.S.2/A440-II
 - ASTM E1886-19
 - ASTM E1996-20
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. IX AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE RER OR AHJ.
5. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: PVC
7. CLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 4 FOR GLAZING DETAILS.
8. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:

X: OPERABLE PANEL

O: FIXED PANEL

DESIGN PRESSURE TABLE					
PRODUCT MODEL	OVERALL SIZE		DESIGN PRESSURE	INSTALLATION METHOD	MISSILE IMPACT RATING
	WIDTH	HEIGHT			
PI57NCPWIIMP	56"	73"	+50/-50 PSF	NAIL FIN	LARGE & SMALL MISSILE IMPACT
PI57RCPWIIMP	56"	73"	+50/-50 PSF	THROUGH FRAME	

TABLE OF CONTENTS	
SECTION	SHEET DESCRIPTION
1	INSTALLATION & GENERAL NOTES
2	ELEVATION & ANCHOR LAYOUTS
3	VERTICAL SECTIONS
4	HORIZONTAL SECTIONS & GLAZING DETAILS
5	BILL OF MATERIALS & COMPONENTS & BUCK ANCHORING

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.03.20 16:31:27 -04'00'

TITLE: 1750 SERIES FIXED SPECIALTY (IMPACT)(HVHZ) INSTALLATION & GENERAL NOTES				
NO.	REVISION DESCRIPTION	BY	DATE	
A	8TH EDITION (2023) FBC	LMH	12.08.23	
B	UPDATED TO CURRENT FBC.	LMH	01.28.25	

DATE: 05.04.21	DWN BY: LMH	CHK BY:	SCALE: NTS
----------------	-------------	---------	------------

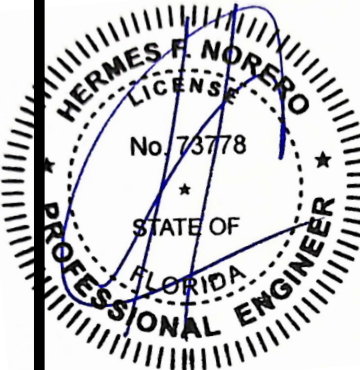


HERMES F. NORERO
FLORIDA P. E. NO. 73778
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION NO. 29578

BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
PH:(954)399-8478 FX:(954)744-4738

TITLE: 1750 SERIES FIXED SPECIALTY (IMPACT)(HVHZ) ELEVATIONS, ANCHOR LAYOUTS, & ASSEMBLY NOTES	NO.	REVISION DESCRIPTION	BY	DATE
	A	8TH EDITION (2023) FBC	LMH	12.08.23
	B	UPDATED TO CURRENT FBC.	LMH	01.28.25

DATE: 05.04.21	DWN BY: LMH	CHK BY:	SCALE: NTS
----------------	-------------	---------	------------



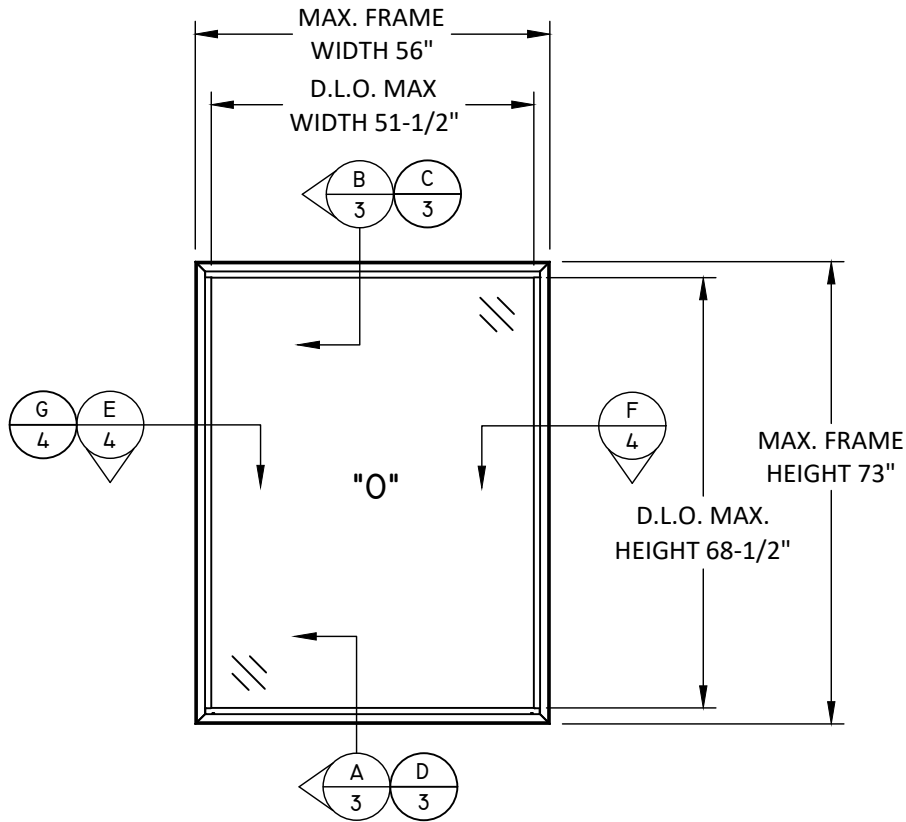
HERMES F. NORERO
FLORIDA P. E. NO. 73778
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION NO. 29578

BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478 FX: (954) 744-4738

FL #: 38107

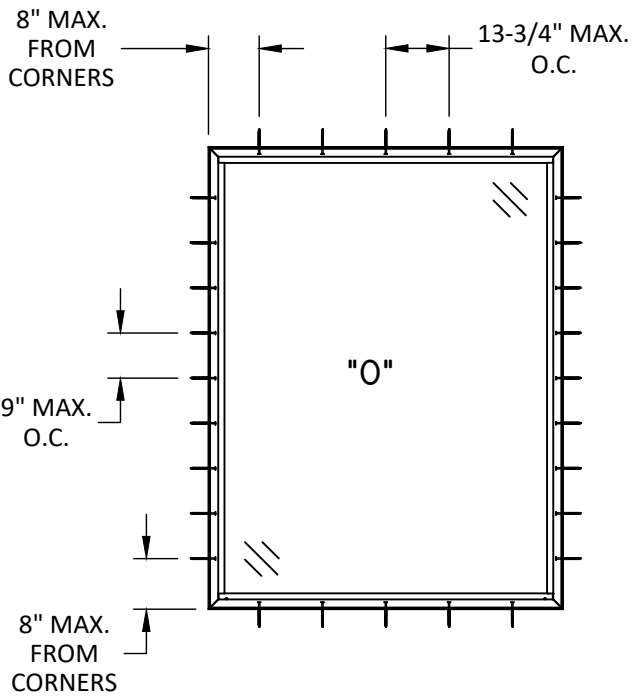
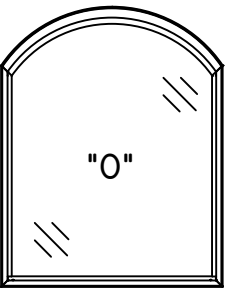
DWG #: PGW327

SHEET: 2 OF 5

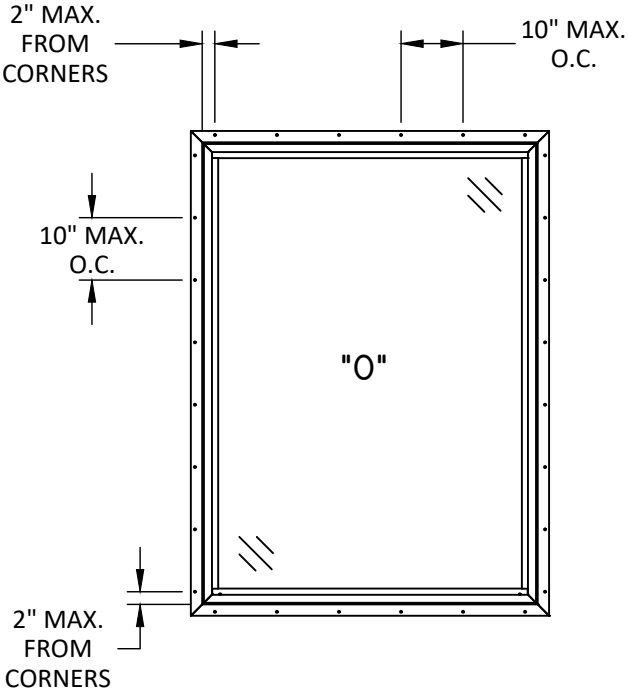


ELEVATION

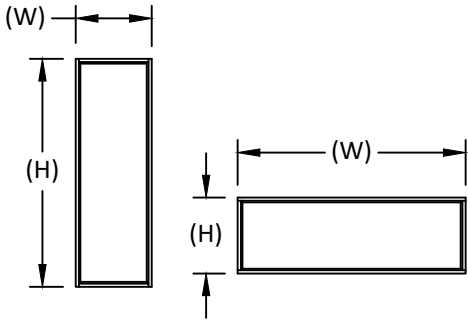
NOTE:
EYEBROW SHAPED UNITS ARE QUALIFIED TO A MAXIMUM RECTANGULAR SIZE OF 53" X 73" AT +/- 50 PSF. FIN AND FINLESS INSTALLATIONS ARE QUALIFIED. ANCHOR SPACING SHALL BE IN ACCORDANCE WITH ANCHOR LAYOUTS SHOWN.



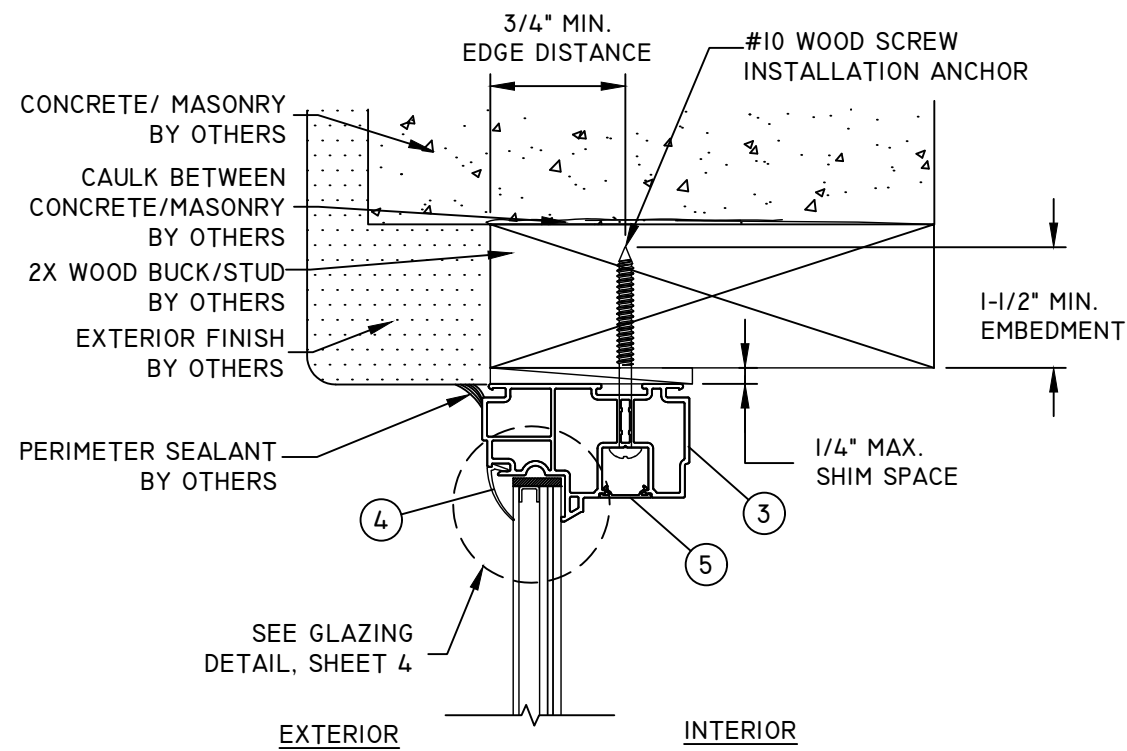
**ANCHOR LAYOUT
FINLESS**



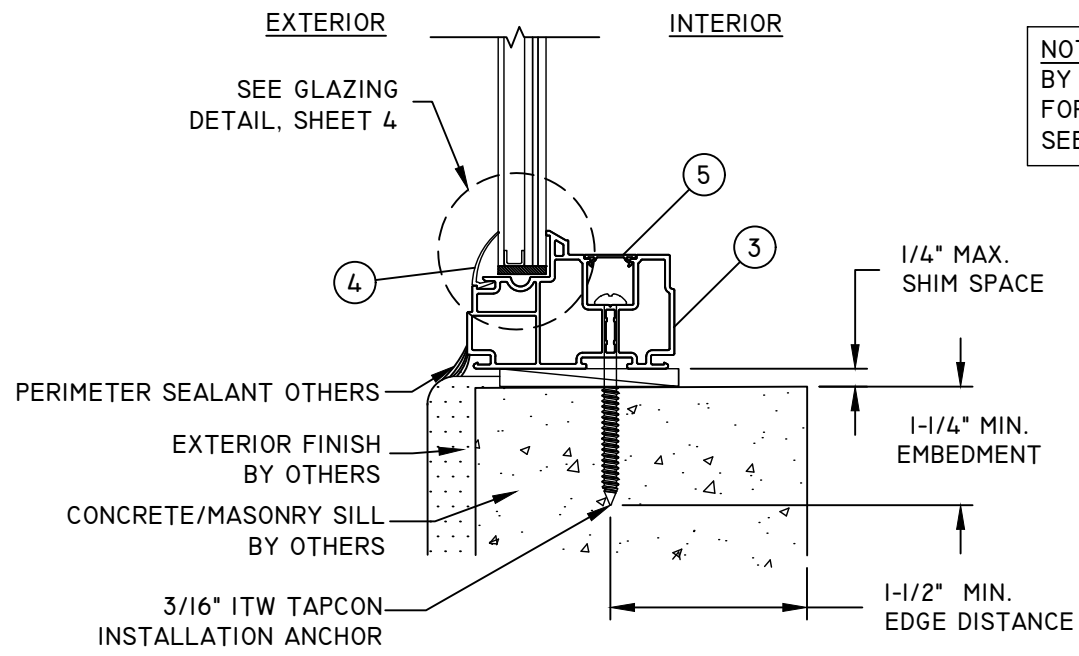
**ANCHOR LAYOUT
FIN**



NOTE:
WINDOW WIDTH (W) AND HEIGHT (H) ARE INTERCHANGEABLE FOR ALL SIZES SHOWN HEREIN NOT TO EXCEED MAXIMUM TESTED SQUARE FOOT AREA. ANCHOR SPACING SHALL NOT EXCEED THOSE SHOWN FOR LONG OR SHORT LEG OF UNIT.

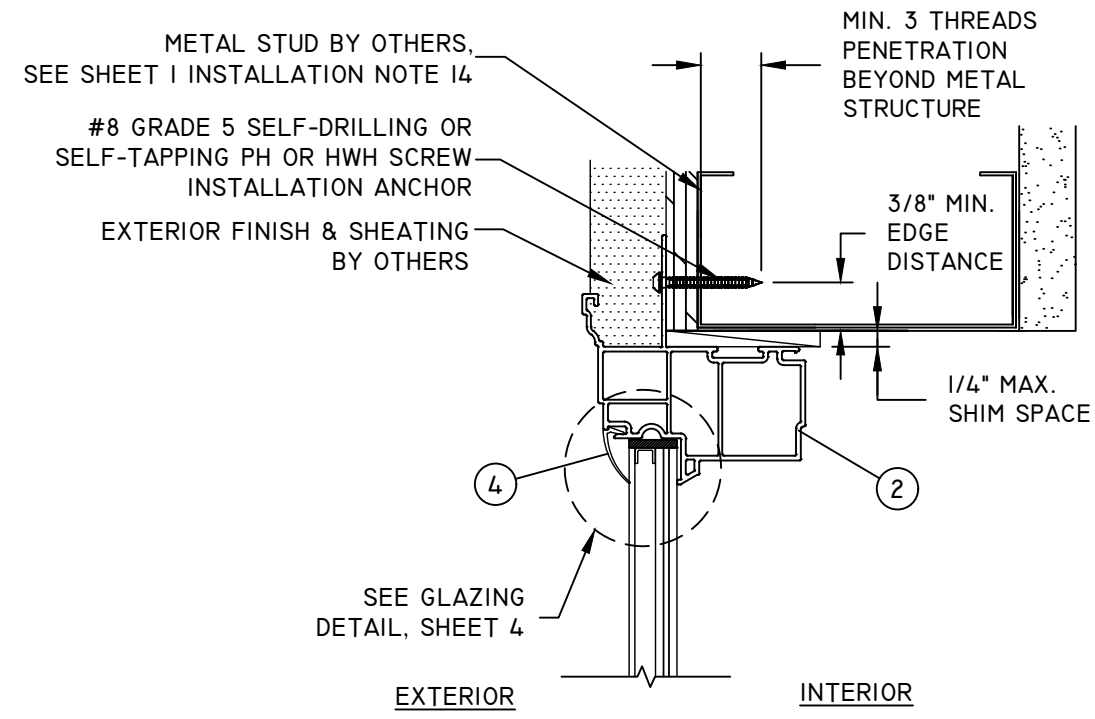


B
3 VERTICAL SECTION
HEAD - 2X WOOD BUCK
FINLESS INSTALLATION

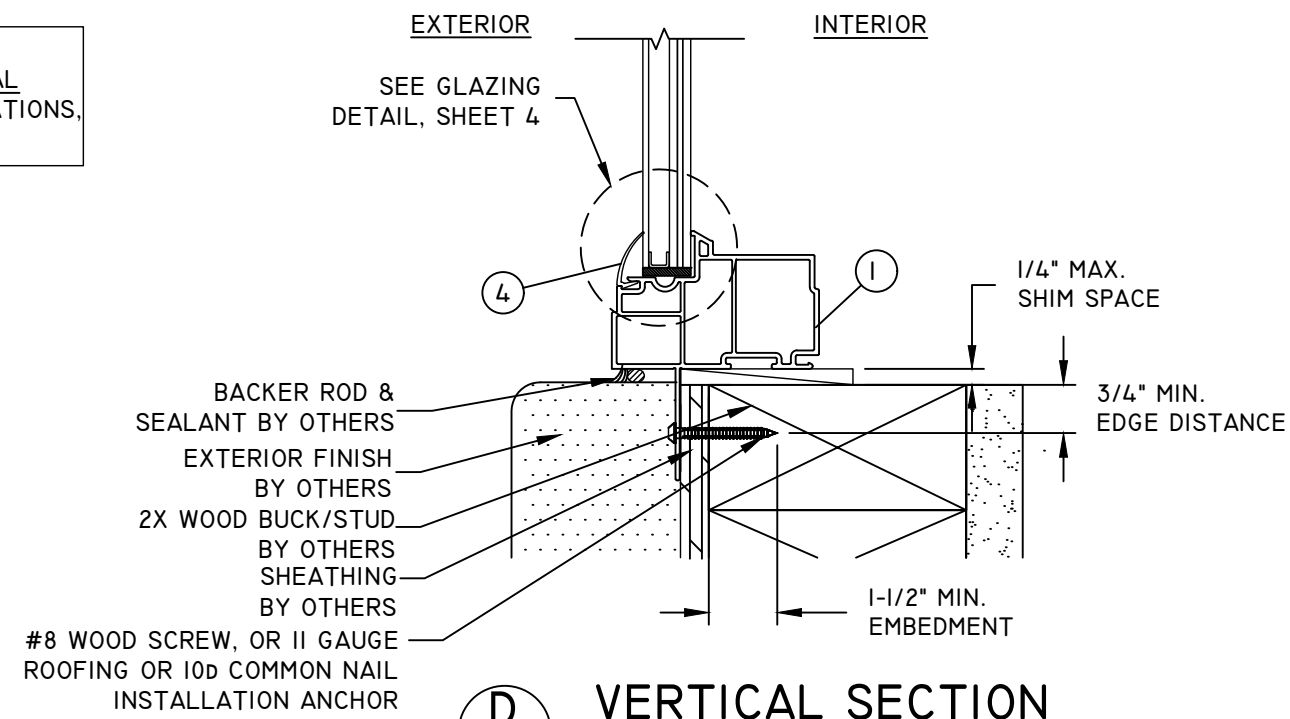


A
3 VERTICAL SECTION
SILL - CONCRETE/MASONRY
FINLESS INSTALLATION

NOTE: 1X WOOD BUCK
BY OTHERS IS OPTIONAL
FOR MASONRY APPLICATIONS.
SEE DETAIL E/4.

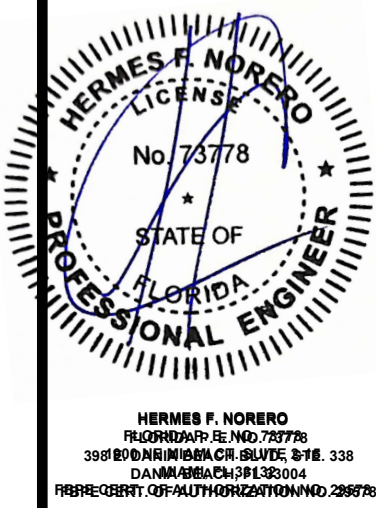


C
3 VERTICAL SECTION
HEAD-METAL STUD
FIN INSTALLATION WITH OPTIONAL J-CHANNEL



D
3 VERTICAL SECTION
SILL - 2X WOOD FRAME
FIN INSTALLATION

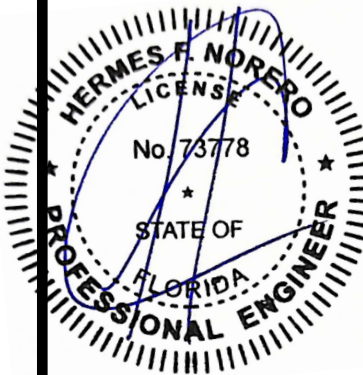
TITLE: 1750 SERIES FIXED SPECIALTY (IMPACT)(HVHZ) VERTICAL SECTIONS	DATE	12.08.23		
	BY	LMH		
	REVISION DESCRIPTION	8TH EDITION (2023) FBC		
	NO.	A	B	
DATE: 05.04.21	DWN BY: LMH	CHK BY:	SCALE: NTS	



HERMES F. NORERO
FLORIDA PROFESSIONAL ENGINEER
3990 BUILDING DROPS BLVD, STE. 338
DANMARSH, FL 33504
FLORIDA AUTHORIZATION NO. 29978

HORIZONTAL SECTIONS & GLAZING OPTIONS				
TITLE: 1750 SERIES FIXED SPECIALTY (IMPACT)(HVHZ)	NO.	REVISION DESCRIPTION	BY	DATE
	A	8TH EDITION (2023) FBC	LMH	12.08.23
	B	UPDATED TO CURRENT FBC.	LMH	01.28.25

DATE: 05.04.21	DWN BY: LMH	CHK BY:	SCALE: NTS
----------------	-------------	---------	------------



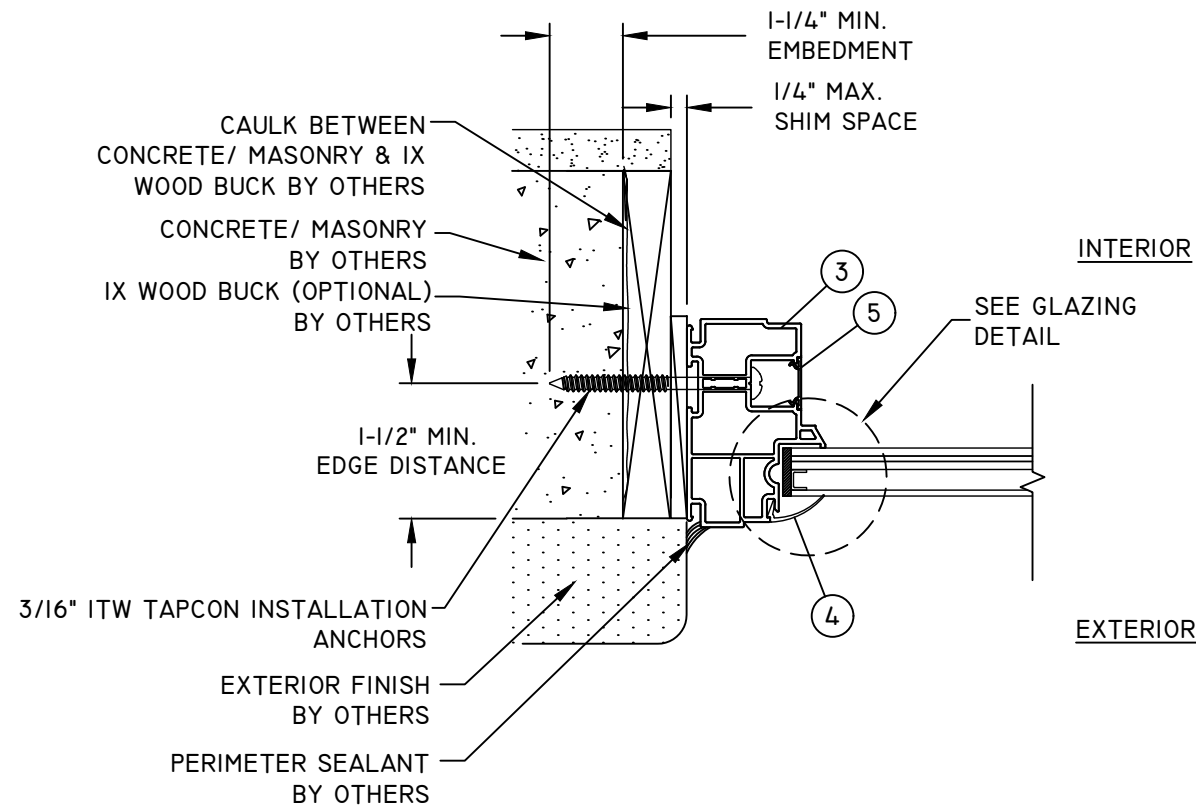
HERMES F. NORERO
FLORIDA P. E. NO. 73778
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION NO. 29578

BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478 FX: (954) 744-4738

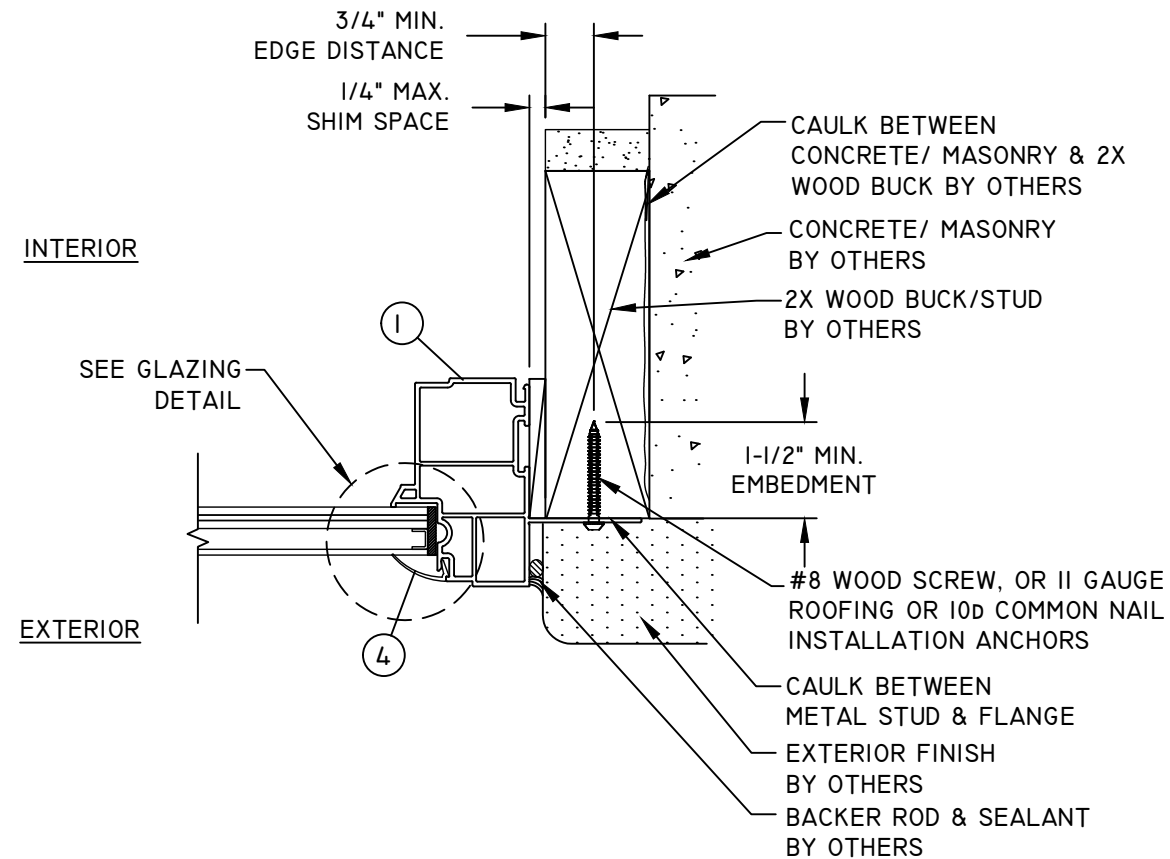
FL#: 38107

DWG #: PGW327

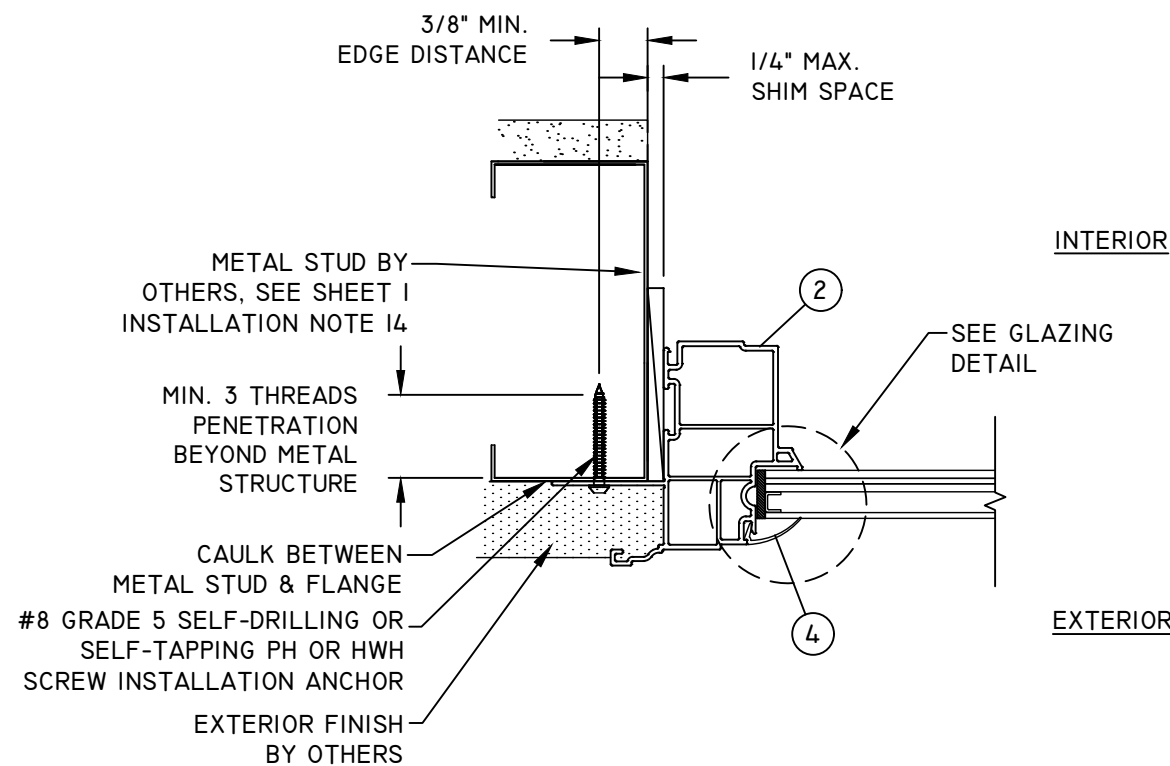
SHEET: 4 OF 5



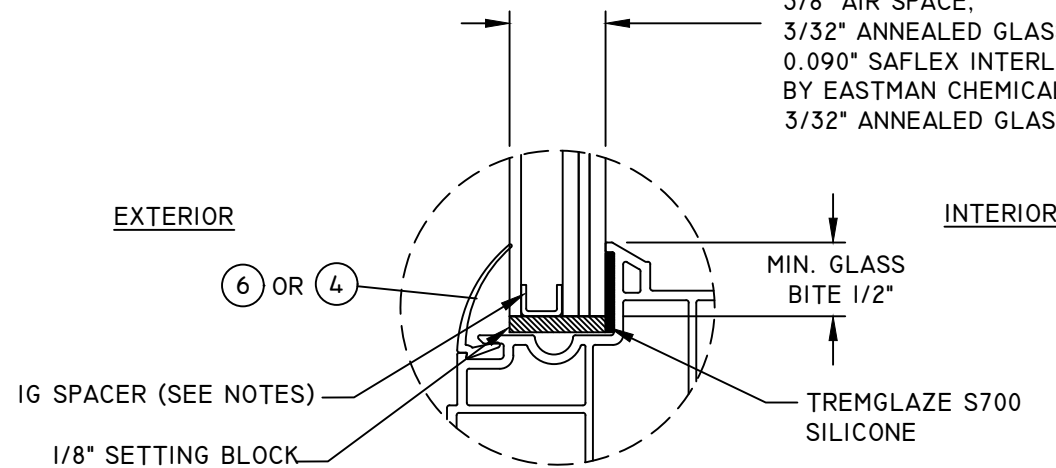
E
4 HORIZONTAL SECTION
JAMB - CONCRETE/MASONRY
FINLESS INSTALLATION



F
4 HORIZONTAL SECTION
JAMB - WOOD BUCK
FIN INSTALLATION
3/4" O.A. I.G. LAMINATED GLASS
CONSISTING OF:
1/8" ANNEALED GLASS,
3/8" AIR SPACE,
3/32" ANNEALED GLASS
0.090" SAFLEX INTERLAYER
BY EASTMAN CHEMICAL CO,
3/32" ANNEALED GLASS



G
4 HORIZONTAL SECTION
JAMB - METAL STUD
FIN INSTALLATION WITH OPTIONAL J-CHANNEL

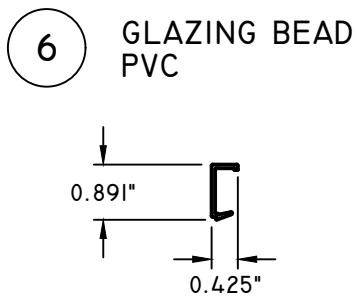
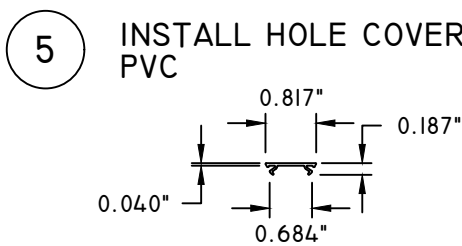
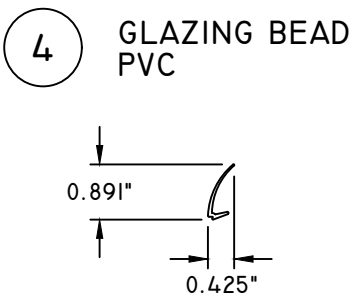
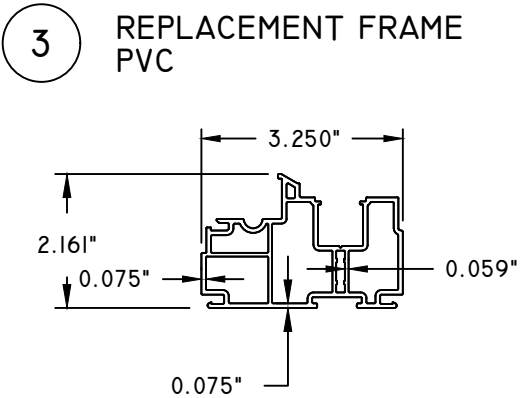
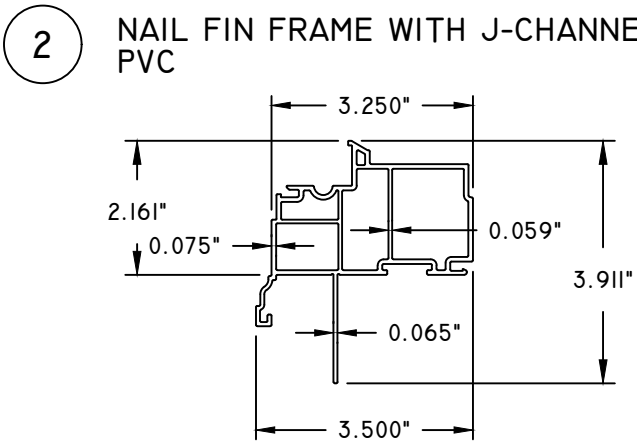
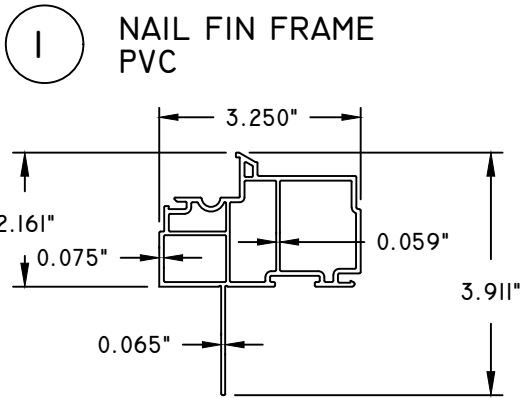


GLAZING DETAIL

NOTES:

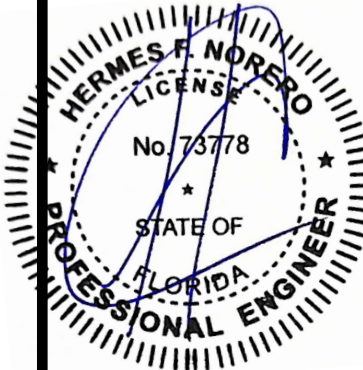
- 1) IG SPACER SHALL BE TIN COATED STEEL INTERCEPT SPACER FOR RECTANGULAR SHAPES OR EPDM SUPER SPACER FOR ARCHITECTURAL SHAPES
- 2) FIXED GLASS LITES GREATER THAN 36" IN WIDTH SHALL HAVE TWO APPROVED SETTING BLOCKS AS SPECIFIED IN FBC CHAPTER 24.
- 3) FOR INSTALLATION ABOVE 30 FT. ABOVE GRADE IN AREAS REQUIRING IMPACT RESISTANCE, ALL UNITS MUST BE SAFETY GLAZED OR COVERED BY AN IMPACT PROTECTIVE SYSTEM PER FBC CHAPTER 24.
- 4) SEE NOTES ON SHEET 5 FOR REQUIRED GLAZING BEAD BASED ON WINDOW SHAPES.

BILL OF MATERIALS			
ITEM #	DESCRIPTION	MANUFACTURER	MATERIAL
1	NAIL FIN FRAME	PLY GEM / SILVERLINE	PVC
2	NAIL FIN FRAME WITH J-CHANNEL	PLY GEM / SILVERLINE	PVC
3	REPLACEMENT FRAME	PLY GEM / SILVERLINE	PVC
4	GLAZING BEAD	PLY GEM / SILVERLINE	PVC
5	INSTALLATION HOLE COVER	PLY GEM / SILVERLINE	PVC
6	GLAZING BEAD	PLY GEM / SILVERLINE	PVC



NOTE:
I. ITEM 6 TO BE USED IN PLACE OF
ITEM 4 FOR CURVED MEMBERS
ON ARCH TOP UNITS

TITLE: 1750 SERIES FIXED SPECIALTY (IMPACT)(HVHZ) BILL OF MATERIALS, COMPONENTS & BUCK ANCHORING	DATE	BY	REVISION DESCRIPTION	NO.
	05.04.21	LMH	8TH EDITION (2023) FBC	A
	DWN BY:	LMH	UPDATED TO CURRENT FBC.	B
	CHK BY:			
SCALE:		NTS		



HERMES F. NORERO
FLORIDA P. E. NO. 73778
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION NO. 29578

BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
PH:(954)399-8478 FX:(954)744-4738

FL#: 38107

DWG #: PGW327

SHEET: 5 OF 5