

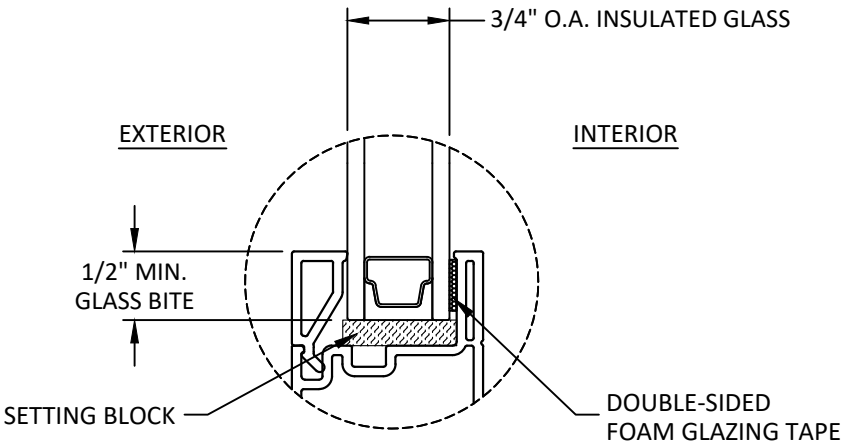
c:\users\sebastian\documents\projects\amscowindows\common\project\amscowindows\tbc-25-0376 - fbc submittal - pvc non-impact products\dwgs\ Vz1 hampton horizontal roller window\ams009 sh.dwg 6/16/2025 5:08 PM

AMSCO WINDOWS

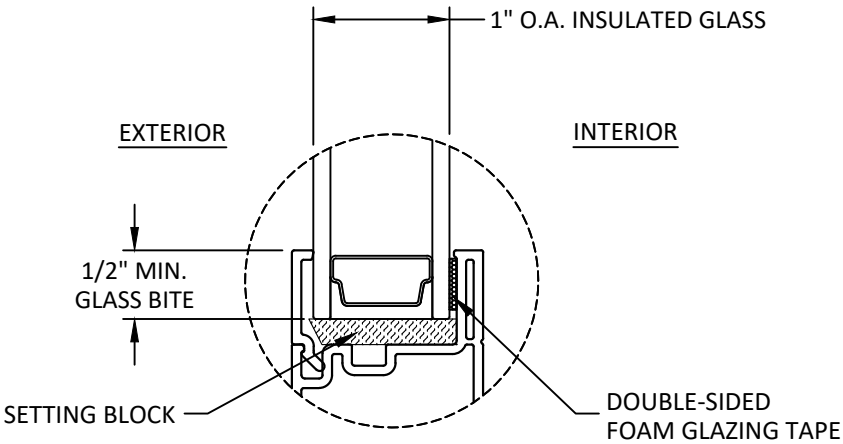
VZ1 HAMPTON SERIES HORIZONTAL SLIDING WINDOW (NON-HVHZ)(NON-IMPACT)

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-17
- 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.
- 1X 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.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/4 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- 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.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: PVC
- GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.



GLAZING DETAIL 1



GLAZING DETAIL 2

GLAZING NOTES:

- GLASS TYPE SHALL COMPLY WITH ASTM E1300 REQUIREMENTS. PER THE FBC TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
- SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
- D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES SHOWN HEREIN.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES AND GLAZING DETAILS
2	SINGLE VENT ELEVATION AND DESIGN PRESSURE TABLE
3	DOUBLE VENT ELEVATION AND DESIGN PRESSURE TABLE
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8	MULLION DESIGN PRESSURE TABLES
9	ANCHOR LAYOUTS
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12	ANCHOR LAYOUTS
13	VERTICAL SECTIONS
14	HORIZONTAL SECTIONS
15	ANCHOR DETAILS AND INSTALLATION NOTES

DESIGN PRESSURE RATING (PSF)				
CONFIGURATION	WIDTH (IN.)	HEIGHT (IN.)	DESIGN PRESSURE	MISSILE IMPACT RATING
SEE SHEETS 2-8				NON-IMPACT



1880 South 1045 West
Salt Lake City, UT 84104
PH: +1-800-748-4661

TITLE: VZ1 HAMPTON SERIES
HORIZONTAL SLIDING WINDOW
(NON-HVHZ)(NON-IMPACT)

GENERAL NOTES &
GLAZING DETAILS

PREPARED BY: BUILDING DROPS, INC.

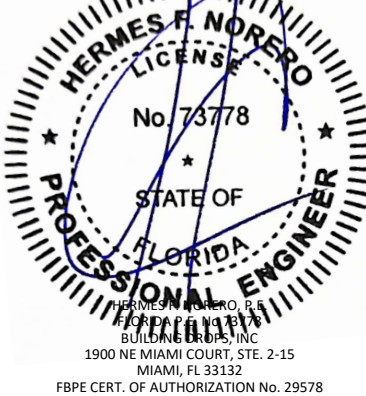
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.06.16 11:56:40 -0400



FL #:

FL47575

DATE: 06.16.25

DWG. BY: SH

CHK. BY: HFN

SCALE: NTS

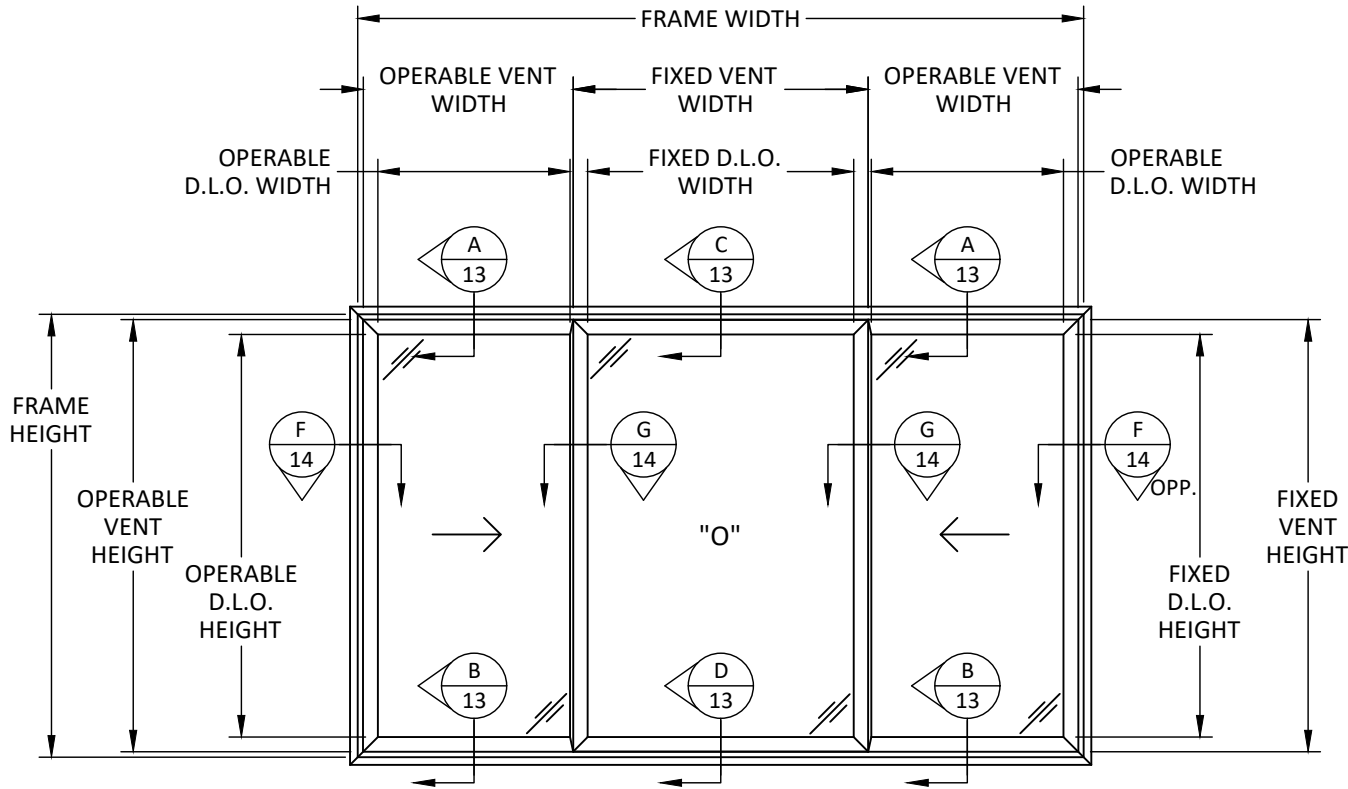
DWG. #: AMS009

SHEET:

1

OF 15

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ELEVATION
DOUBLE VENTING

SIZE NOTES:
OPERABLE SASH HEIGHT = FRAME HEIGHT - 2 7/8"
OPERABLE SASH WIDTH = FRAME WIDTH/4
FIXED SASH HEIGHT = FRAME HEIGHT - 1 3/4"
FIXED SASH WIDTH = FRAME WIDTH/2 + 1/4"

OPERABLE D.L.O. HEIGHT = FRAME HEIGHT - 6 1/2"
OPERABLE D.L.O. WIDTH = FRAME WIDTH/4 - 3 5/8"
FIXED D.L.O. HEIGHT = FRAME HEIGHT - 6 1/2"
FIXED D.L.O. WIDTH = FRAME WIDTH/2 - 4 1/2"

DOUBLE VENT DP TABLE (PSF)			
WIDTH (IN.)	HEIGHT (IN.)	E191M04 & E191M05 REINFORCEMENT	
		POS. (+)	NEG. (-)
96	42	40.0	40.0
112		40.0	40.0
128		40.0	40.0
144		40.0	40.0
160		40.0	40.0
176		30.0	30.0
192		30.0	30.0
208		30.0	30.0
224	48	30.0	30.0
240		30.0	30.0
96		40.0	40.0
112		40.0	40.0
128		40.0	40.0
144		40.0	40.0
160		30.0	30.0
176		30.0	30.0
192		30.0	30.0
208		29.3	29.3
96	54	40.0	40.0
112		35.6	35.6
128		35.6	35.6
144		30.0	30.0
160		30.0	30.0
176		28.9	28.9
192		27.8	27.8
96	60	40.0	40.0
112		34.3	34.3
128		30.0	30.0
144		30.0	30.0
160		28.8	28.8
96	66	40.0	40.0
112		30.0	30.0
128		30.0	30.0
144		30.0	30.0
96	72	40.0	40.0
112		30.0	30.0
128		30.0	30.0
144		30.0	30.0
96	78	30.0	30.0
112		26.9	26.9
128		24.5	24.5
96	84	24.1	24.1
112		21.2	21.2



1880 South 1045 West
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PH: +1-800-748-4661

TITLE: VZ1 HAMPTON SERIES
HORIZONTAL SLIDING WINDOW
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DOUBLE VENT ELEVATION &
DESIGN PRESSURE TABLE

PREPARED BY: BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15

MIAMI, FL 33132

PH: (954)399-8478

FAX: (954)744-4738

WEB: www.buildingdrops.com



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BY

DATE

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HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL47575

DATE: 06.16.25

DWG. BY:
SH

CHK. BY:
HFN

SCALE: NTS

DWG. #: AMS009

SHEET:

3

OF 15

QUALIFIED CONFIGURATIONS



1880 South 1045 West
Salt Lake City, UT 84104
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HORIZONTAL SLIDING WINDOW
(NON-HVHZ)/(NON-IMPACT)

QUALIFIED CONFIGURATIONS

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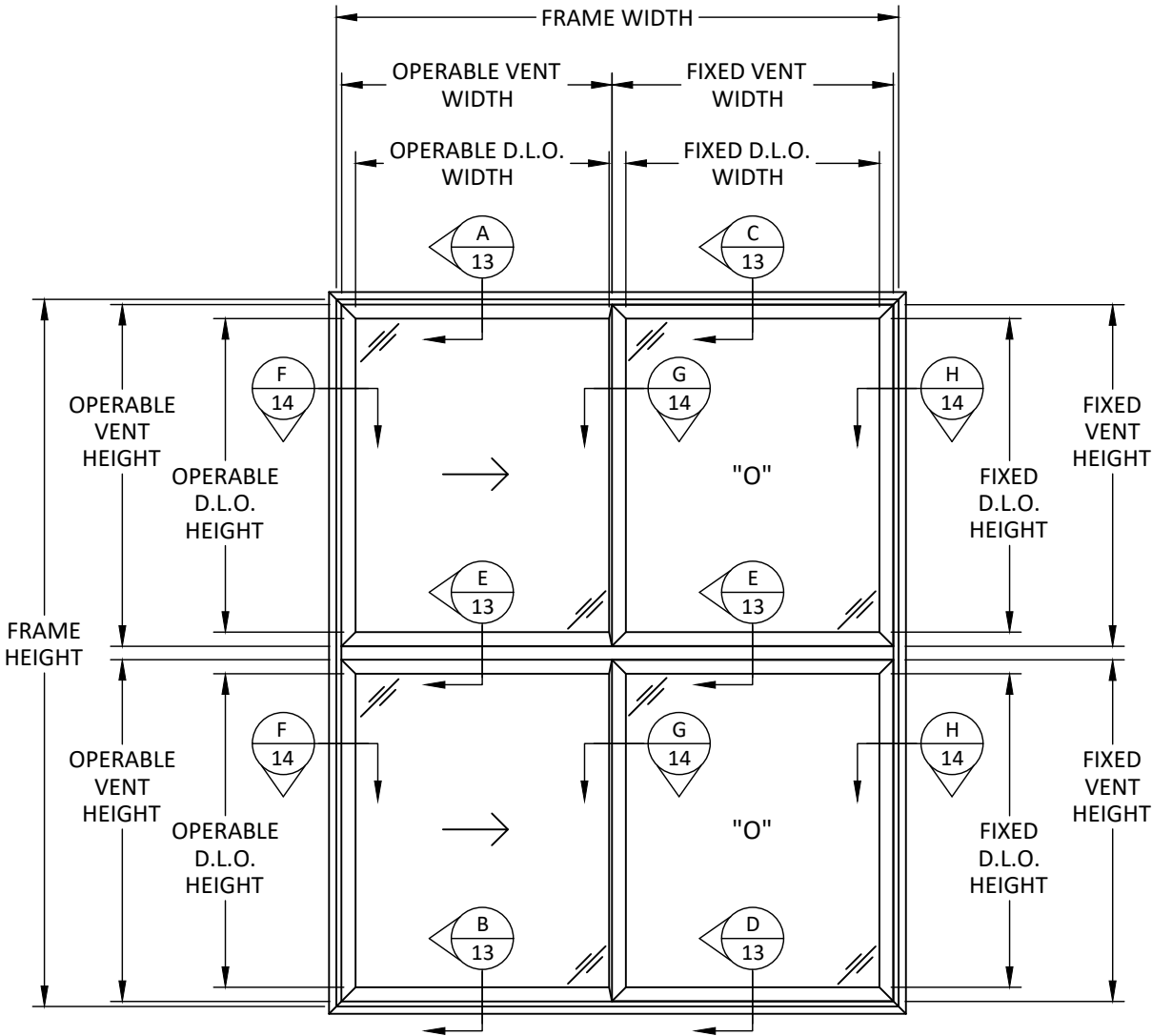


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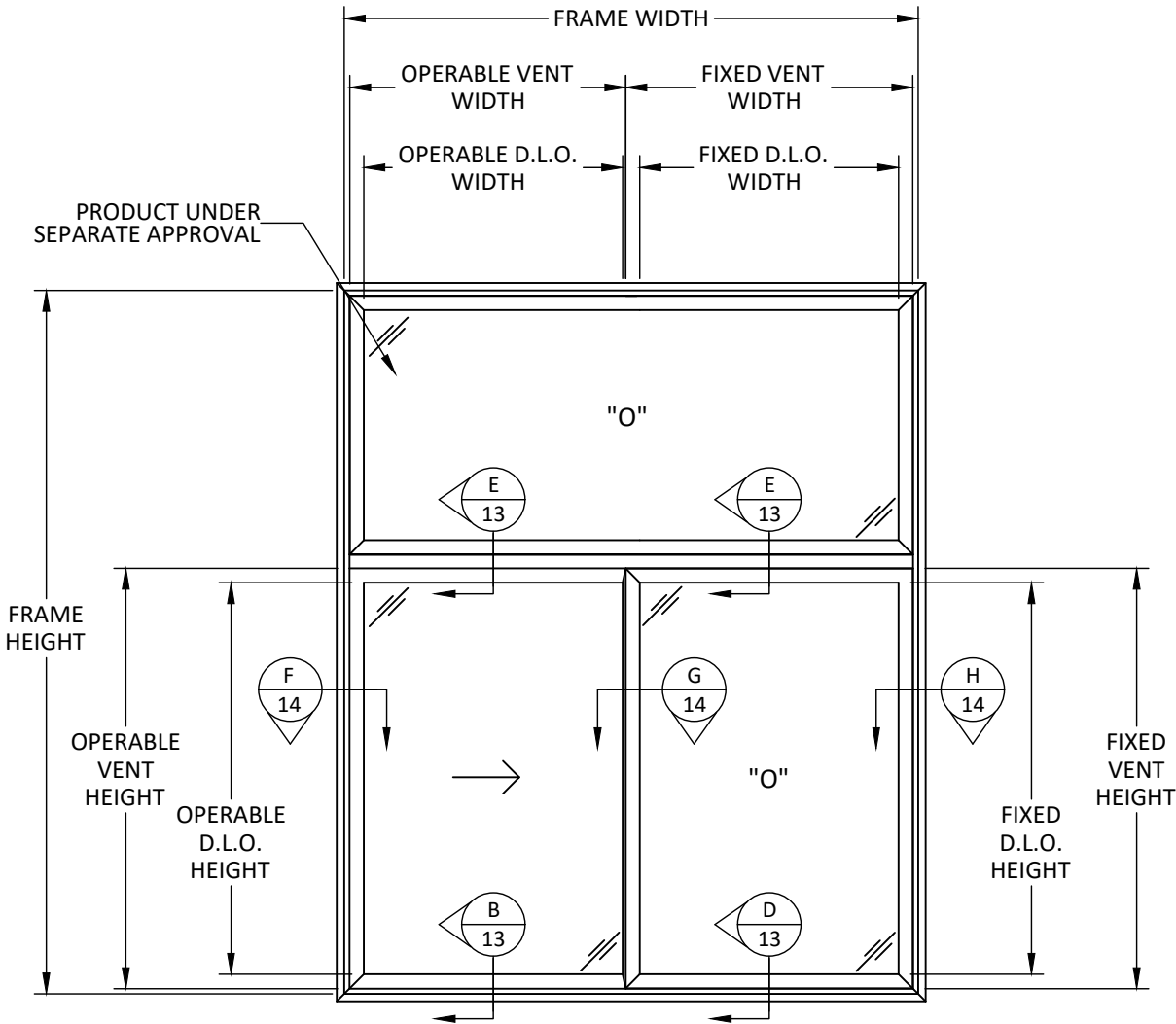
FL #:	FL47575
DATE:	06.16.25
DWG. BY:	SH
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AMS009
SHEET:	4



ELEVATION

AREA CANNOT EXCEED 48 FT²

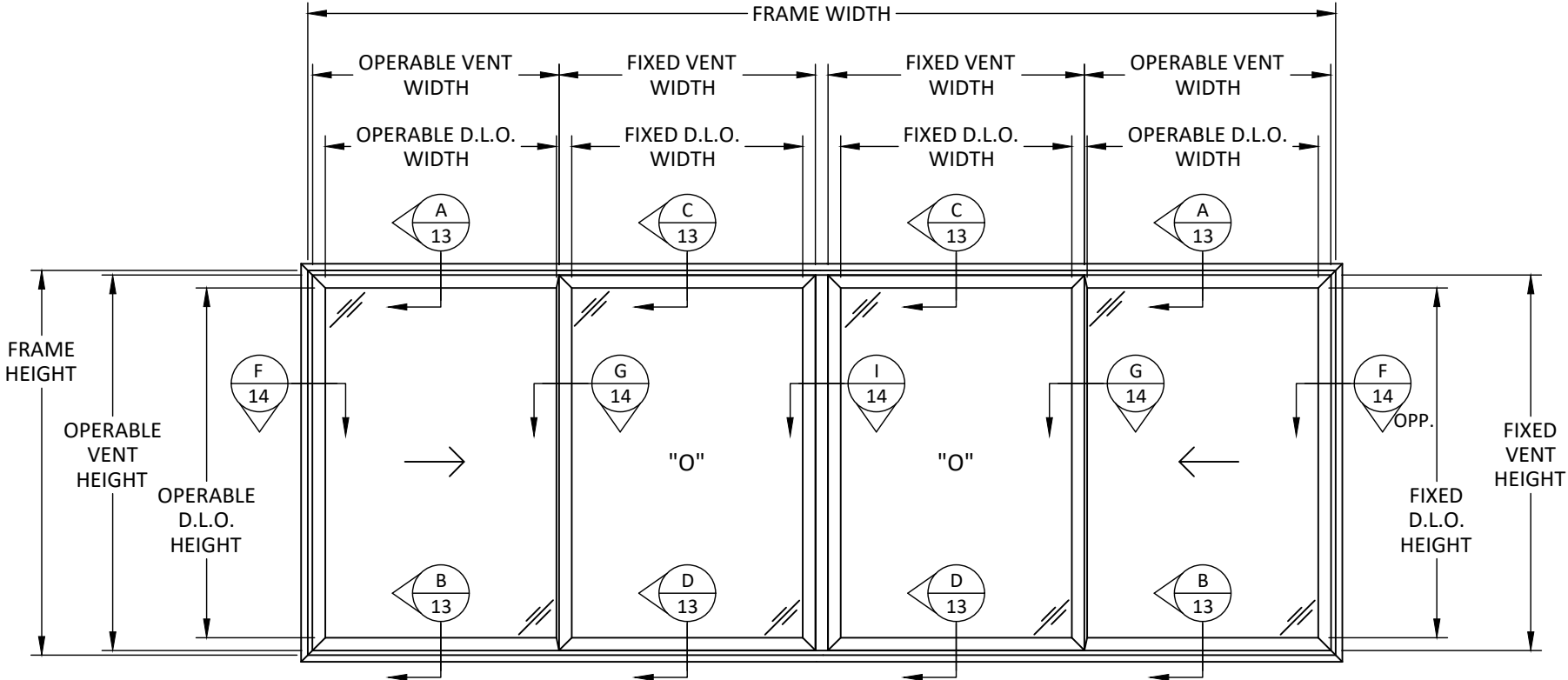
NOTE:
SEE SHEET 8 FOR ALLOWABLE MULLION
SIZES AND PRESSURES AND SHEETS 2 AND 3
FOR HORIZONTAL SLIDING WINDOW SIZES
AND PRESSURES.



ELEVATION

AREA CANNOT EXCEED 48 FT²

QUALIFIED CONFIGURATIONS



ELEVATION

AREA CANNOT EXCEED 72 FT²

NOTE:
SEE SHEET 8 FOR ALLOWABLE MULLION
SIZES AND PRESSURES AND SHEETS 2 AND 3
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HORIZONTAL SLIDING WINDOW
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QUALIFIED CONFIGURATIONS

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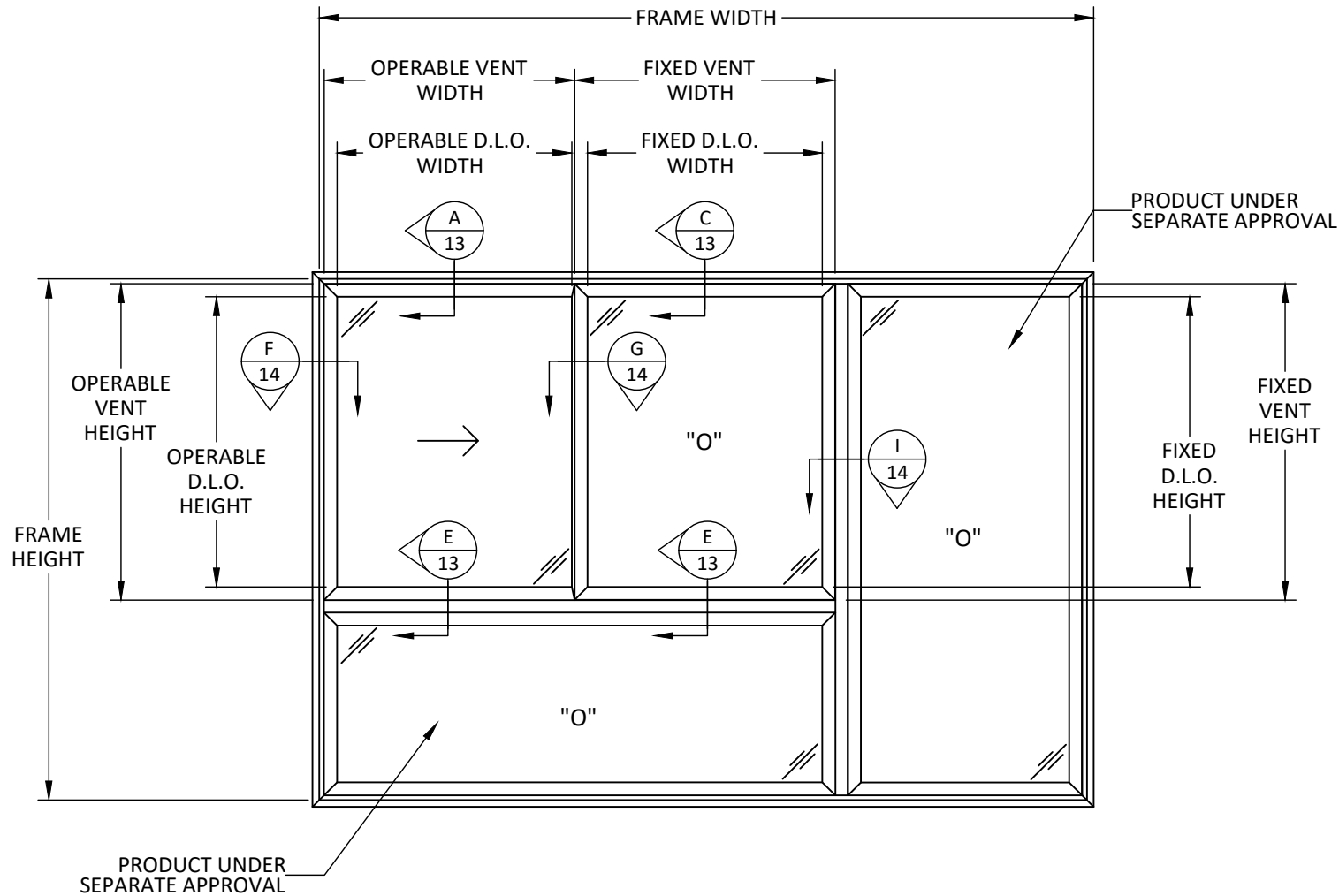
REMARKS	BY	DATE

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DATE:	06.16.25
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CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AMS009
SHEET:	5

QUALIFIED CONFIGURATIONS



ELEVATION

AREA CANNOT EXCEED 96 FT²

NOTE:
SEE SHEET 8 FOR ALLOWABLE MULLION
SIZES AND PRESSURES AND SHEETS 2 AND 3
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SCALE: **NTS**

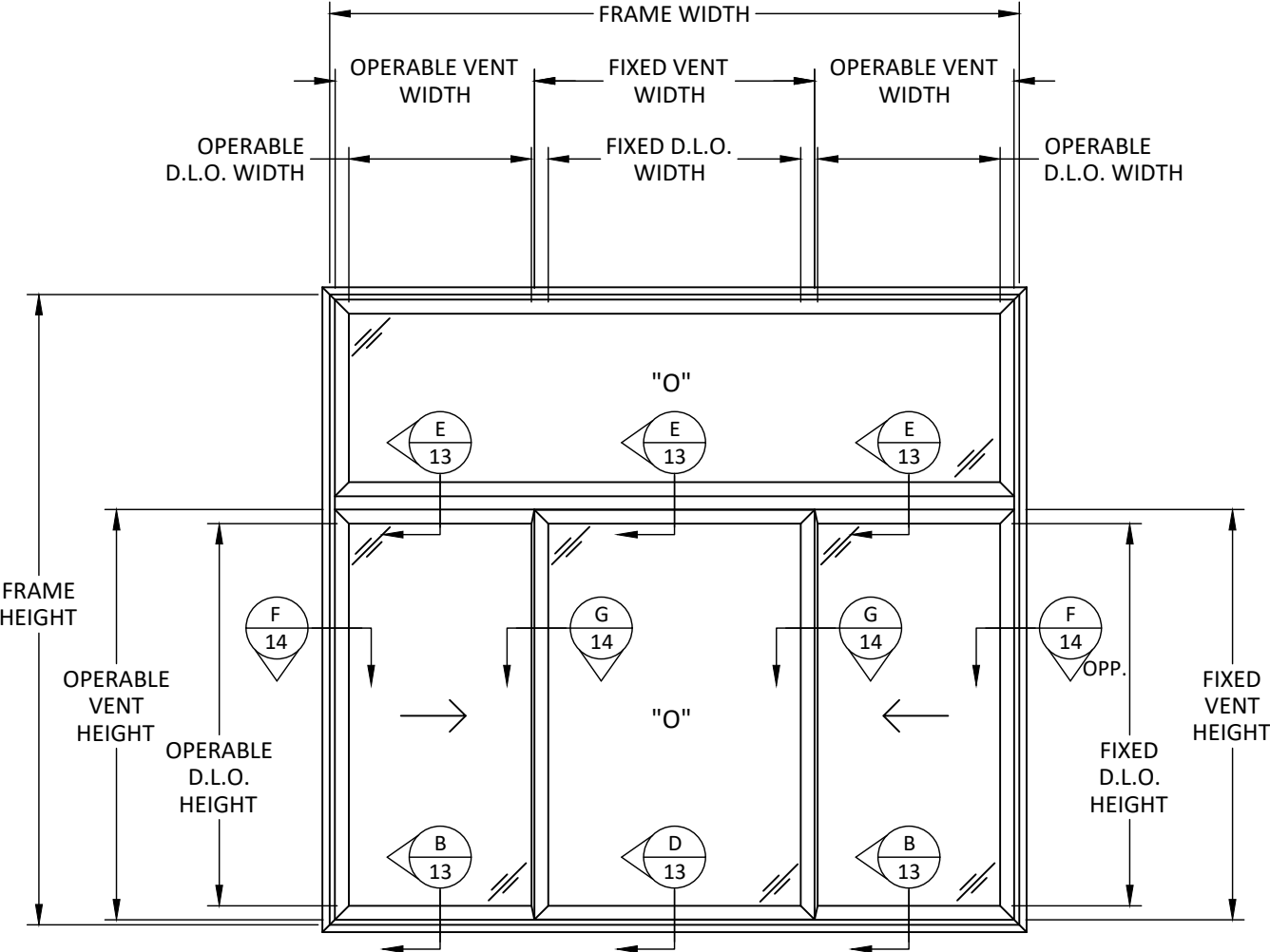
DWG. #: **AMS009**

SHEET:

6

OF 15

QUALIFIED CONFIGURATIONS



ELEVATION

AREA CANNOT EXCEED 80 FT²

NOTE:
SEE SHEET 8 FOR ALLOWABLE MULLION
SIZES AND PRESSURES AND SHEETS 2 AND 3
FOR HORIZONTAL SLIDING WINDOW SIZES
AND PRESSURES.



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TITLE: VZ1 HAMPTON SERIES
HORIZONTAL SLIDING WINDOW
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QUALIFIED CONFIGURATIONS

PREPARED BY: BUILDING DROPS, INC.

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REMARKS	BY	DATE

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DWG. #: AMS009

SHEET:

7

OF 15

MULLION DESIGN PRESSURE TABLES

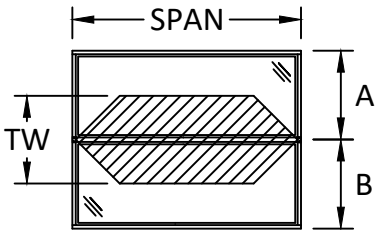
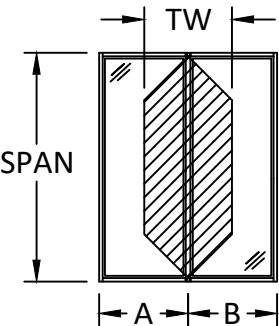
ONE-WAY MULLION DESIGN PRESSURE TABLE (PSF)			
TRIB. WIDTH (IN)	SPAN (IN.)	POS. (+)	NEG. (-)
36	72	45.0	45.0
42		45.0	45.0
48		45.0	45.0
54		40.0	40.0
60		40.0	40.0
66		25.0	25.0
72		25.0	25.0
78		25.0	25.0
36	78	42.7	42.7
42		40.0	40.0
48		40.0	40.0
54		40.0	40.0
60		25.0	25.0
66		25.0	25.0
72		25.0	25.0
36	84	40.0	40.0
42		40.0	40.0
48		40.0	40.0
54		40.0	40.0
60		25.0	25.0
66		25.0	25.0
72		25.0	25.0
36	90	40.0	40.0
42		40.0	40.0
48		40.0	40.0
54		25.0	25.0
60		25.0	25.0
66		40.0	40.0
72		40.0	40.0
78		25.0	25.0

ONE-WAY MULLION DESIGN PRESSURE TABLE (PSF)			
TRIB. WIDTH (IN)	SPAN (IN.)	POS. (+)	NEG. (-)
36	96	40.0	40.0
42		40.0	40.0
48		40.0	40.0
54		25.0	25.0
60		25.0	25.0
36	102	40.0	40.0
42		36.9	36.9
48		25.0	25.0
54		25.0	25.0
60		35.4	35.4
36	108	30.8	30.8
42		25.0	25.0
48		29.9	29.9
54		25.0	25.0
60		25.0	25.0
36	114	25.6	25.6
42		25.0	25.0
48		25.0	25.0
54		25.0	25.0
60		24.2	24.2
36	120	24.2	24.2
42		21.0	21.0
48		25.0	25.0
54		25.0	25.0
60		25.0	25.0
36	126	25.0	25.0
42		24.2	24.2
48		25.0	25.0
54		25.0	25.0
60		25.0	25.0
36	132	25.0	25.0
42		25.0	25.0
48		25.0	25.0
54		25.0	25.0
60		25.0	25.0

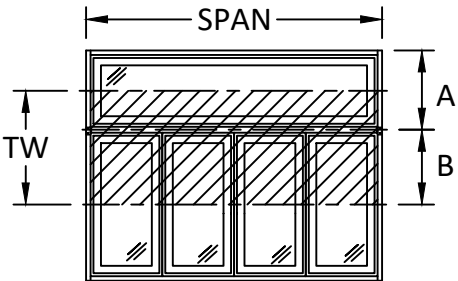
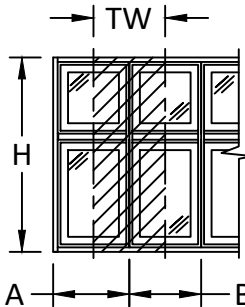
NOTE: THE LOWER DESIGN PRESSURE BETWEEN THE VALUES ON THESE TABLES AND THE TABLES ON SHEETS 2 & 3 SHALL APPLY TO THE MULLED CONFIGURATIONS.

TWO-WAY MULLION DESIGN PRESSURE TABLE (PSF)			
TRIB. WIDTH (IN)	SPAN (IN.)	POS. (+)	NEG. (-)
42	72	30.0	30.0
48		30.0	30.0
54		30.0	30.0
60		30.0	30.0
66		30.0	30.0
72		30.0	30.0
78		30.0	30.0
84		30.0	30.0
90		30.0	30.0
96		30.0	30.0
42	78	30.0	30.0
48		30.0	30.0
54		30.0	30.0
60		30.0	30.0
66		30.0	30.0
72		30.0	30.0
78		30.0	30.0
84		30.0	30.0
90		30.0	30.0
96		30.0	30.0
42	84	30.0	30.0
48		30.0	30.0
54		30.0	30.0
60		30.0	30.0
66		30.0	30.0
72		30.0	30.0
78		30.0	30.0
84		30.0	30.0
90		30.0	30.0
96		30.0	30.0
42	90	30.0	30.0
48		30.0	30.0
54		30.0	30.0
60		30.0	30.0
66		30.0	30.0
72		30.0	30.0
78		30.0	30.0
84		30.0	30.0
90		30.0	30.0
96		30.0	30.0

TWO-WAY MULLION DESIGN PRESSURE TABLE (PSF)			
TRIB. WIDTH (IN)	SPAN (IN.)	POS. (+)	NEG. (-)
42	90	30.0	30.0
48		30.0	30.0
54		30.0	30.0
60		30.0	30.0
66		30.0	30.0
72		30.0	30.0
42	96	30.0	30.0
48		30.0	30.0
54		30.0	30.0
60		30.0	30.0
66		30.0	30.0
72		30.0	30.0
42	102	30.0	30.0
48		30.0	30.0
54		30.0	30.0
60		30.0	30.0
66		27.3	27.3
72		27.3	27.3
42	108	30.0	30.0
48		30.0	30.0
54		28.1	28.1
60		25.3	25.3
66		30.0	30.0
72		30.0	30.0
42	114	26.9	26.9
48		23.9	23.9
54		21.5	21.5
60		26.3	26.3
66		23.0	23.0
72		20.5	20.5
42	120	26.3	26.3
48		23.0	23.0
54		20.5	20.5
60		26.3	26.3
66		23.0	23.0
72		20.5	20.5



$\frac{A + B}{2} = TW$



$\frac{A + B}{2} = TW$



1880 South 1045 West
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TITLE: VZ1 HAMPTON SERIES
HORIZONTAL SLIDING WINDOW
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MULLION DESIGN
PRESSURE TABLES

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
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FL #: **FL47575**

DATE: **06.16.25**

DWG. BY: **SH** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **AMS009**

SHEET: **8** OF 15

ANCHOR LAYOUTS

Y: BUILDING DROPS, INC.

E MIAMI COURT, STE. 2-15
MIAMI, FL 33132

FAX: (954) 744.4738
WEB: www.buildingdrops.com



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FLORIDA P.E. No. 7317
STANLEY B. BROWN, INC.

BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE

MIAMI, FL 33132

FBPE CERT. OF AUTHORIZATION No. 29578

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DWG. BY:
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CHK. BY:
HFN

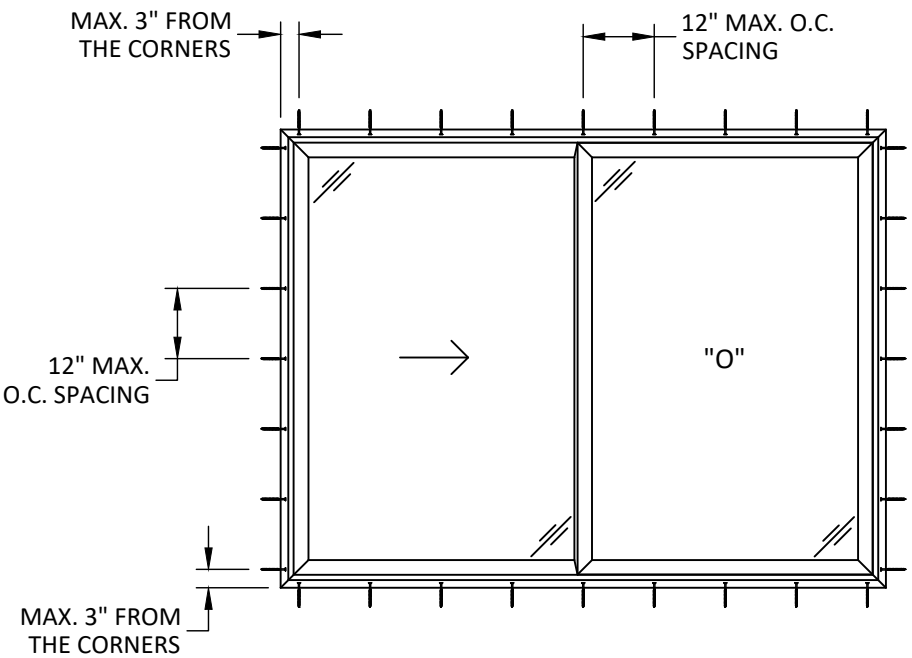
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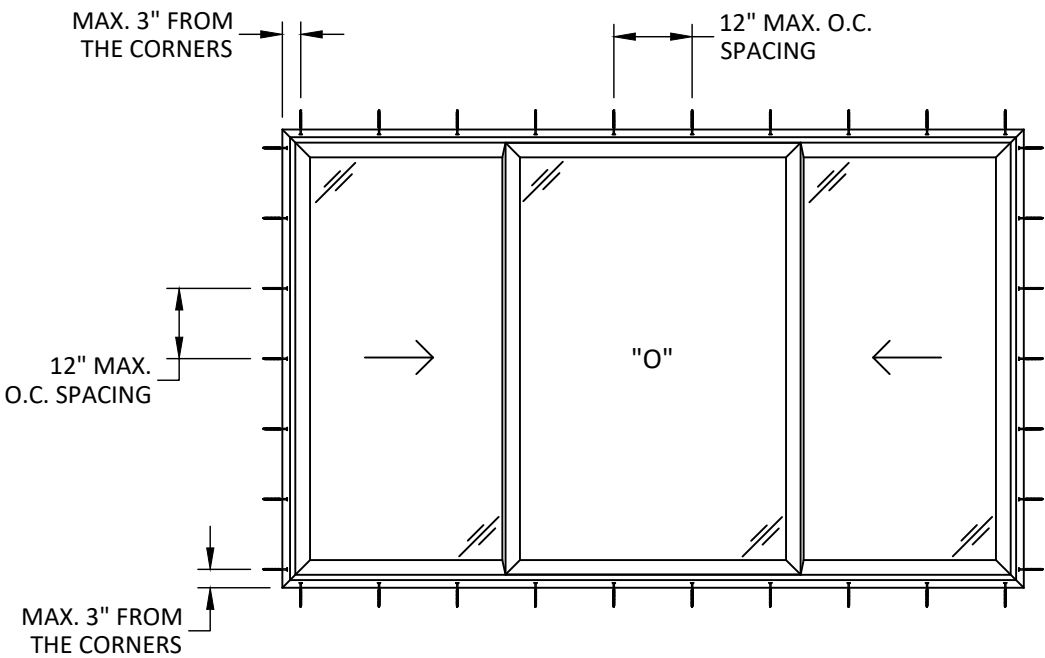
9

OF 15



ANCHOR LAYOUT

NAIL-FIN INSTALLATION



ANCHOR LAYOUT

NAIL-FIN INSTALLATION



ANCHOR LAYOUTS

PREPARED BY:

1900 NE MIAMI COURT, STE. 2-15

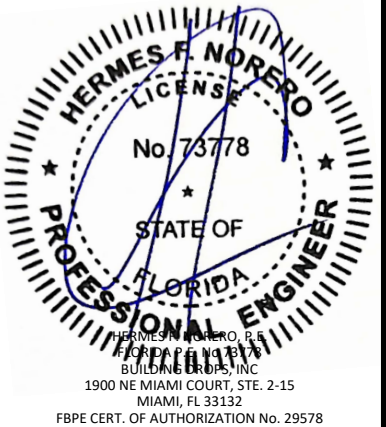
MIAMI, FL 33132
PH: (954) 399-8478

FAX: (954) 744.4738

WEB: www.buildingdrops.com



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SH

CHK. BY:
HFN

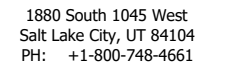
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OF 15



ANCHOR LAYOUT



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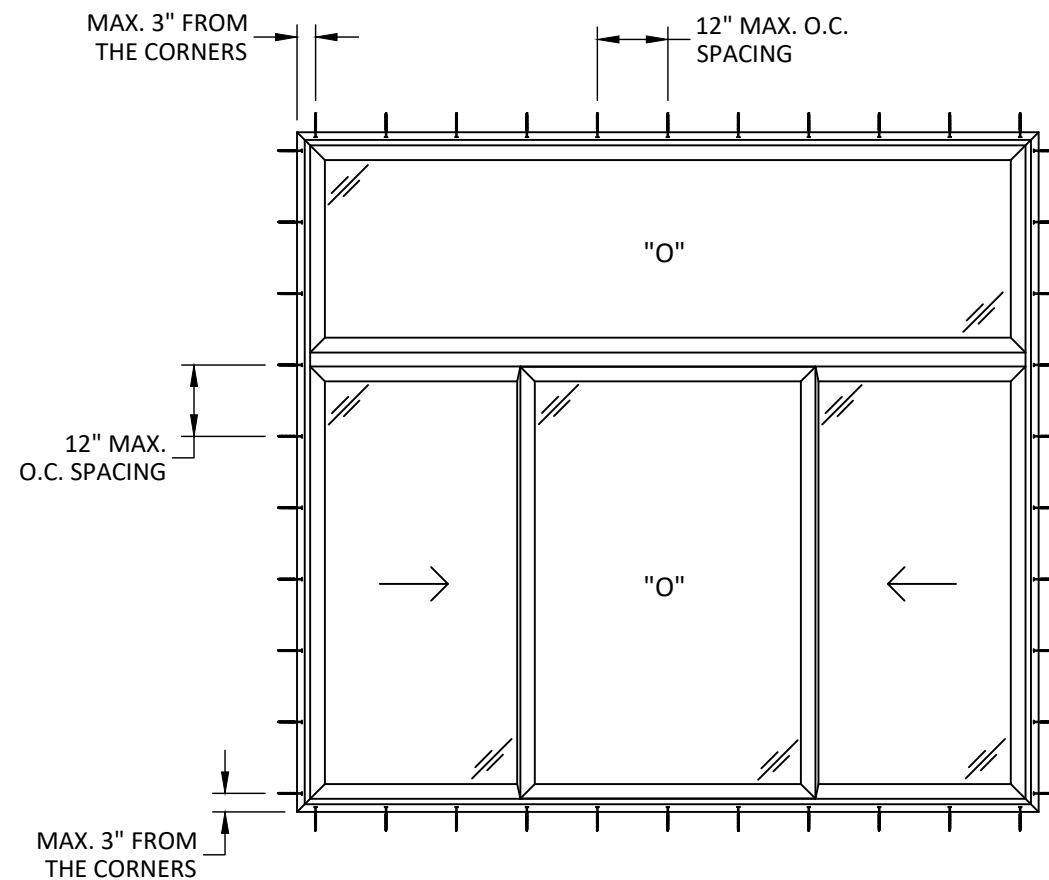
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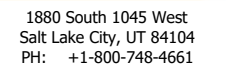
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ANCHOR LAYOUT



ANCHOR LAYOUT

NAIL-FIN INSTALLATION



TITLE: VZ1 HAMPTON SERIES
HORIZONTAL SLIDING WINDOW
(NON-HVHZ)(NON-IMPACT)

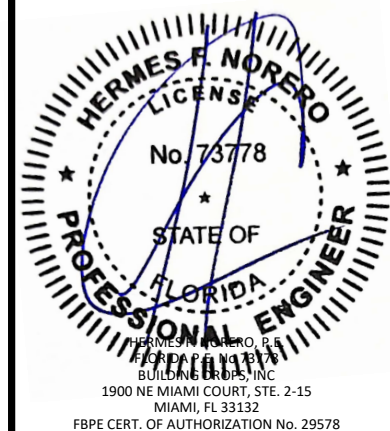
ANCHOR LAYOUTS

BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15



REMARKS	BY	DATE

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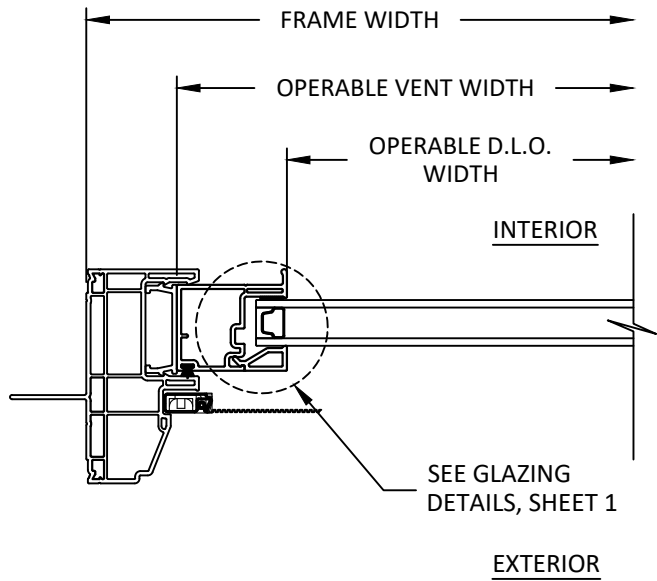
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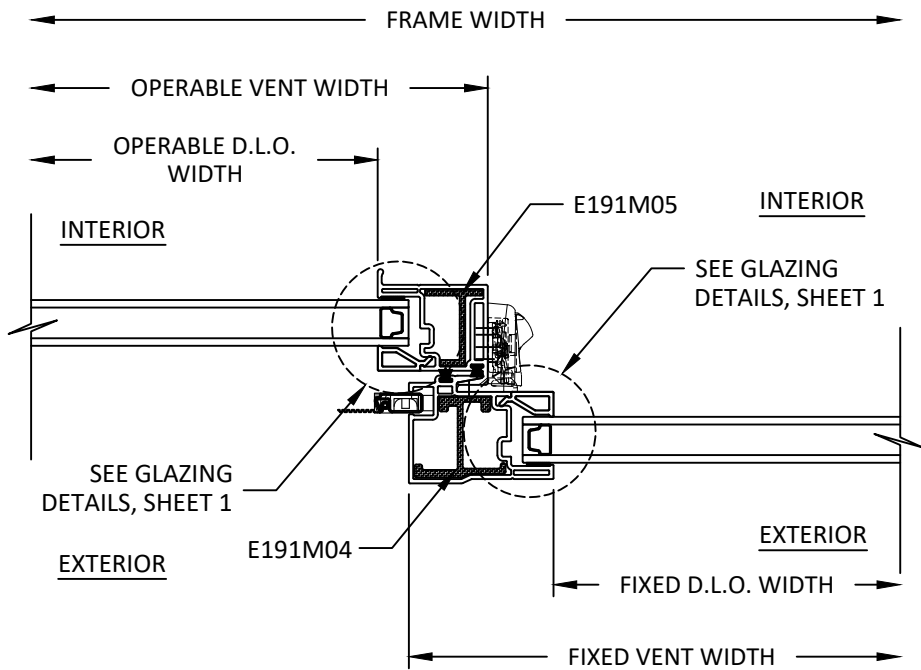
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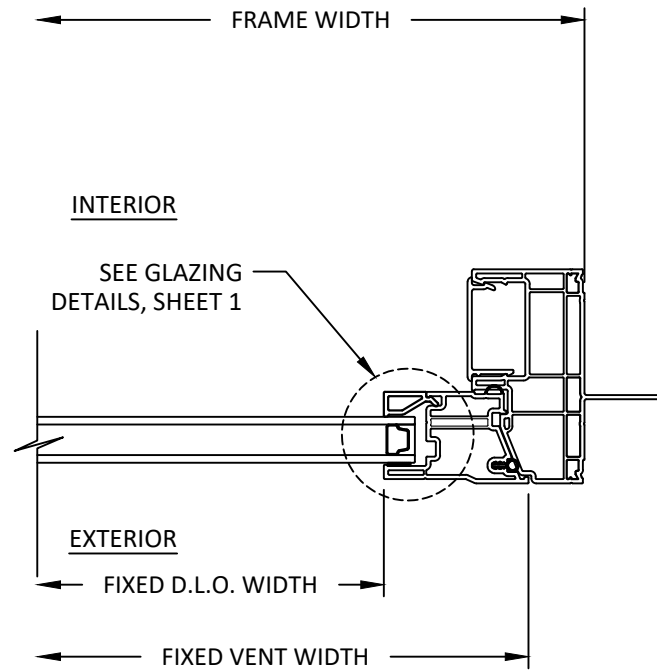
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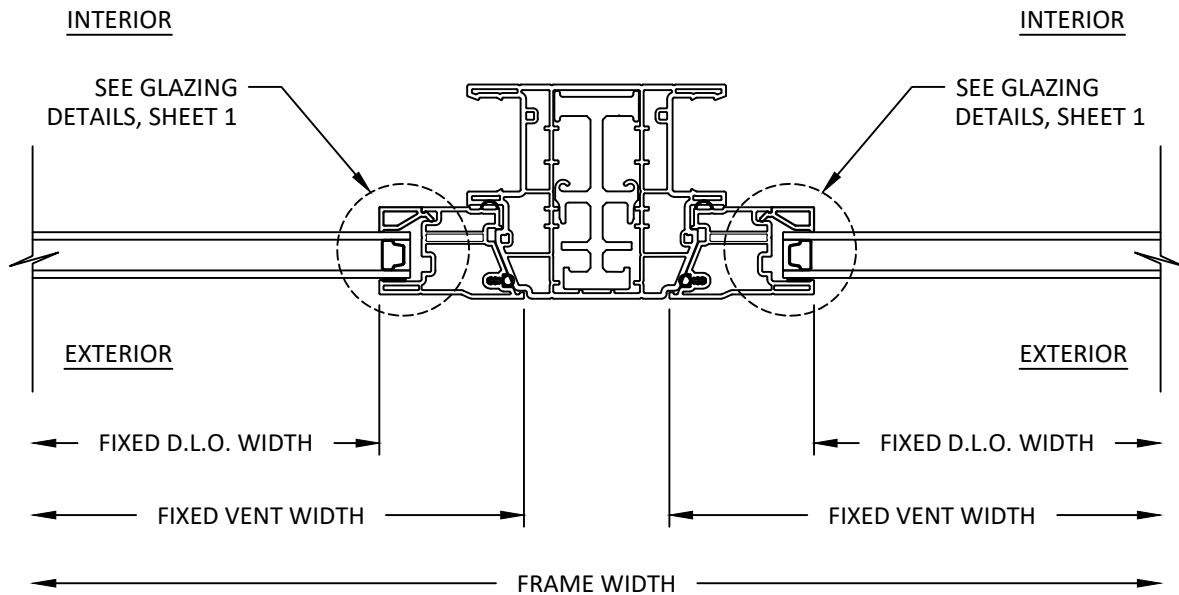
F
14 HORIZONTAL SECTION
OPERABLE JAMB



G
14 HORIZONTAL SECTION
INTERLOCK



H
14 HORIZONTAL SECTION
FIXED JAMB



I
14 HORIZONTAL SECTION
TYP. VERTICAL MULLION



1880 South 1045 West
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PH: +1-800-748-4661

TITLE: VZ1 HAMPTON SERIES
HORIZONTAL SLIDING WINDOW
(NON-HVHZ)/(NON-IMPACT)

HORIZONTAL SECTIONS

PREPARED BY: BUILDING DROPS, INC.

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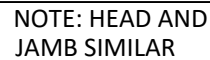


REMARKS	BY	DATE

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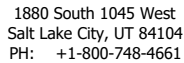


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CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AMS009
SHEET:	14



1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED ON SHEETS 9, 10, 11, AND 12.
2. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/4$ 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.
3. 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.
4. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
5. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
6. FOR MASONRY OR CONCRETE OPENINGS, A 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
7. 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.
8. 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.

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE
NAIL-FIN	WOOD: MIN. SG = 0.55	#8 WOOD SCREW	1.50"	0.75"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI ALUMINUM: 1/8" MIN., 6063-T5	#8 SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND STRUCTURE	0.50"



TITLE: VZ1 HAMPTON SERIES
HORIZONTAL SLIDING WINDOW
(NON-HVHZ)/(NON-IMPACT)

ANCHOR DETAILS & INSTALLATION NOTES

PREPARED BY:

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REMARKS	BY	DATE

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SHEET:

15

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