

6/3/2026 12:55 PM

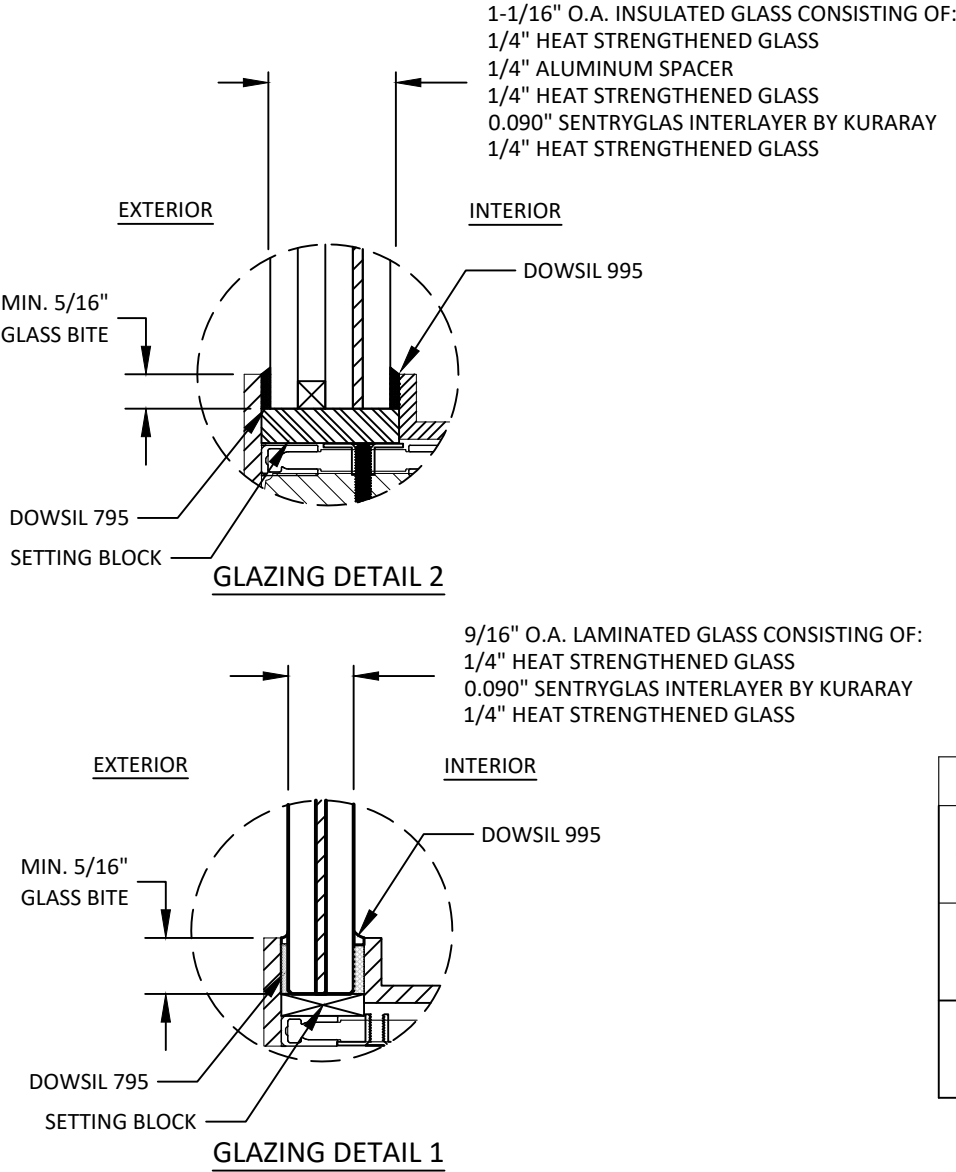
c:\users\harley\my building drops, including drops landing - common\projects\oliveri millworks\fb-c-26-0335-1 - steel impact products\dwgs\cas\ovm008.dwg

OLIVERI MILLWORKS

STEEL OUTSWING FRENCH AND SINGLE CASEMENT WINDOW (HVHZ)(IMPACT)

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
 - ASTM E330-14
 - ASTM E283-04(12)
 - ASTM E331-00(16)
 - 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. 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.
4. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 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.
5. 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.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
7. WINDOW FRAME MATERIAL: STAINLESS STEEL
8. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.
9. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
"X": OPERABLE LEAF
"O": FIXED LEAF



- GLAZING NOTES:
1. GLASS TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS. PER THE FBC TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.

2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.

3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.

4. D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES SHOWN HEREIN.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES & GLAZING DETAIL
2	ELEVATION & DESIGN PRESSURE TABLE
3	ELEVATION & DESIGN PRESSURE TABLE
4	ANCHOR LAYOUTS
5	ANCHOR LAYOUTS
6	ANCHOR LAYOUTS
7	VERTICAL SECTION
8	HORIZONTAL SECTIONS
9	INSTALLATION NOTES & ANCHOR DETAILS

DESIGN PRESSURE RATING (PSF)				
CONFIGURATION	WIDTH (IN.)	HEIGHT (IN.)	DESIGN PRESSURE	MISSILE IMPACT RATING
"X"	SEE SHEET 2			LARGE & SMALL MISSILE IMPACT
"XX"	SEE SHEET 3			

OLIVERI

ARCHITECTURAL
WINDOWS + DOORS

MILLWORKS

OLIVERI MILLWORKS
3001 TUXEDO AVENUE
WEST PALM BEACH, FL 33405
PH: (561) 478-7233

STEEL OUTSWING
CASEMENT WINDOW
(HVHZ) (IMPACT)

GENERAL NOTES &
GLAZING DETAIL

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
PH: (954) 999-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

BD
BUILDING DROPS

REMARKS	BY	DATE

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.

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.06.12 07:39:04 -0400'

HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL48239

DATE: 03.25.2026

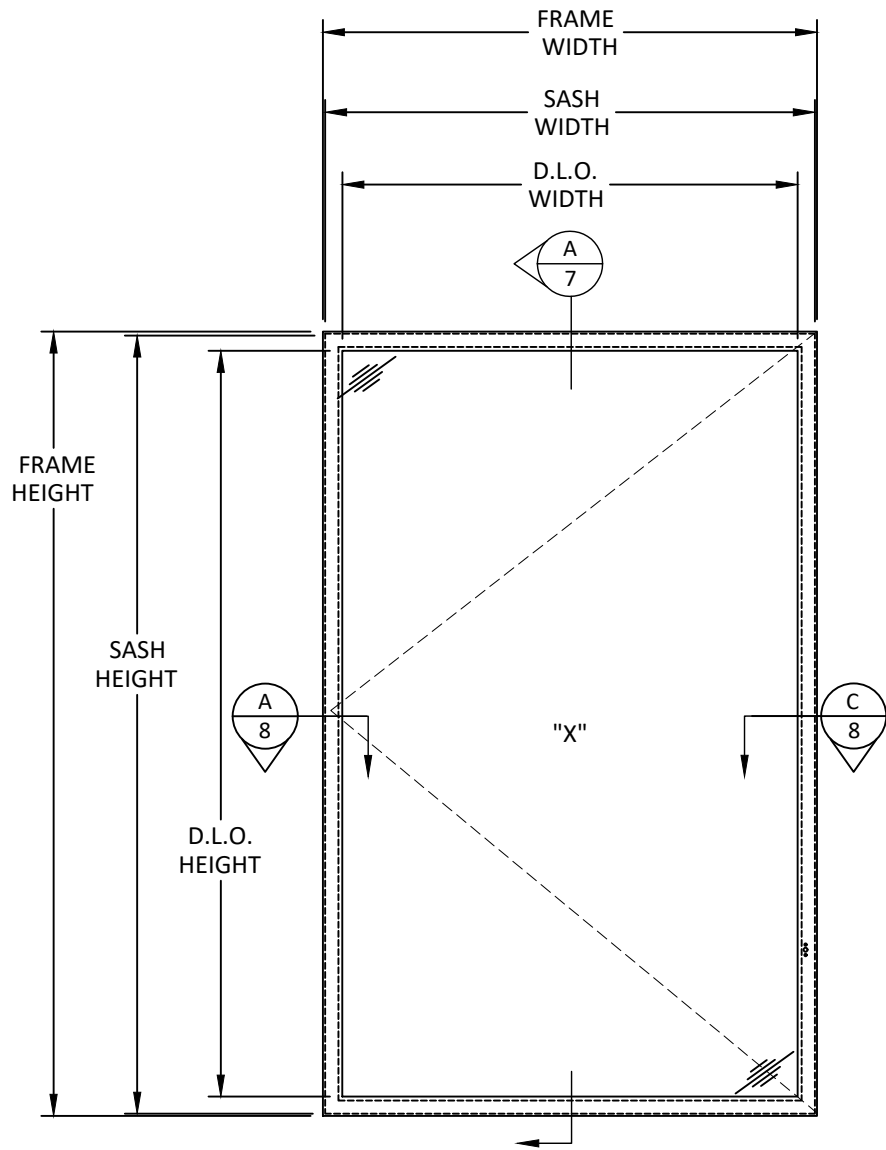
DWG. BY: HJ
CHK. BY: HFN

SCALE: NTS

DWG. #: OVM008

SHEET:
1
OF 9

c:\users\harley\appdata\local\temp\oliveri\millworks\lbc-26-0335-1 - steel impact products\dwgs\cs\ovm008.dwg 6/3/2026 12:55 PM



ELEVATION
CASEMENT

SASH HEIGHT = FRAME HEIGHT - 1.34375"
SASH WIDTH = FRAME WIDTH - 1.34375"
D.L.O. HEIGHT = SASH HEIGHT - 4.625"
D.L.O. WIDTH = SASH WIDTH - 3.59375"

CASEMENT DESIGN PRESSURE TABLE (PSF)			
NOMINAL DIMS.		POS. (+)	NEG. (-)
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)		
36	36	68.3	75.0
42		68.3	75.0
48		68.3	75.0
54		68.3	75.0
60		68.3	75.0
66		68.3	75.0
72	42	68.3	75.0
36		68.3	75.0
42		68.3	75.0
48		68.3	75.0
54		68.3	75.0
60		68.3	75.0
66	48	68.3	75.0
72		68.3	75.0
36		68.3	75.0
42		68.3	75.0
48		68.3	75.0
54		68.3	75.0
60	54	68.3	75.0
66		68.3	75.0
72		68.3	75.0
36		68.3	75.0
42		68.3	75.0
48		68.3	75.0
54	60	68.3	75.0
60		68.3	75.0
66		68.3	75.0
72		68.3	75.0
36		68.3	75.0
42		68.3	75.0
48	66	68.3	75.0
54		68.3	75.0
60		68.3	75.0
66		68.3	75.0
72		68.3	75.0
36		68.3	75.0

CASEMENT DESIGN PRESSURE TABLE (PSF)			
NOMINAL DIMS.		POS. (+)	NEG. (-)
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)		
36	72	68.3	75.0
42		68.3	75.0
48		68.3	75.0
54		68.3	75.0
60		68.3	75.0
66		68.3	75.0
36	78	68.3	75.0
42		68.3	75.0
48		68.3	75.0
54		68.3	75.0
60		68.3	75.0
66		68.3	75.0
36	84	68.3	75.0
42		68.3	75.0
48		68.3	75.0
54		68.3	75.0
60		68.3	75.0
66		68.3	75.0
36	90	68.3	75.0
42		68.3	75.0
48		68.3	75.0
54		68.3	75.0
60		68.3	75.0
66		68.3	75.0
36	96	68.3	75.0
42		68.3	75.0
48		68.3	74.9
54		68.3	75.0
60		68.3	75.0
66		68.3	75.0
36	102	68.3	75.0
42		68.3	75.0
48		63.4	69.2
54		68.3	75.0
60		68.3	75.0
66		68.3	75.0
36	108	65.0	70.9
42		68.3	74.9
48		60.8	66.3
54		64.7	70.5
60		57.1	62.3
66		61.1	66.6
40.1710	127.5313	55.0	60.0
36	120	54.8	59.8
42		47.8	52.2
48		43.8	47.8
54		43.8	47.8
60		43.8	47.8
66		43.8	47.8

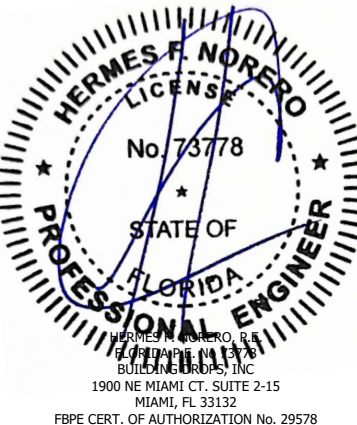
TITLE: STEEL OUTSWING
CASEMENT WINDOW
(HVHZ) (IMPACT)
ELEVATION
& DESIGN PRESSURE TABLE

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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.



FL #:
FL48239

DATE: **03.25.2026**

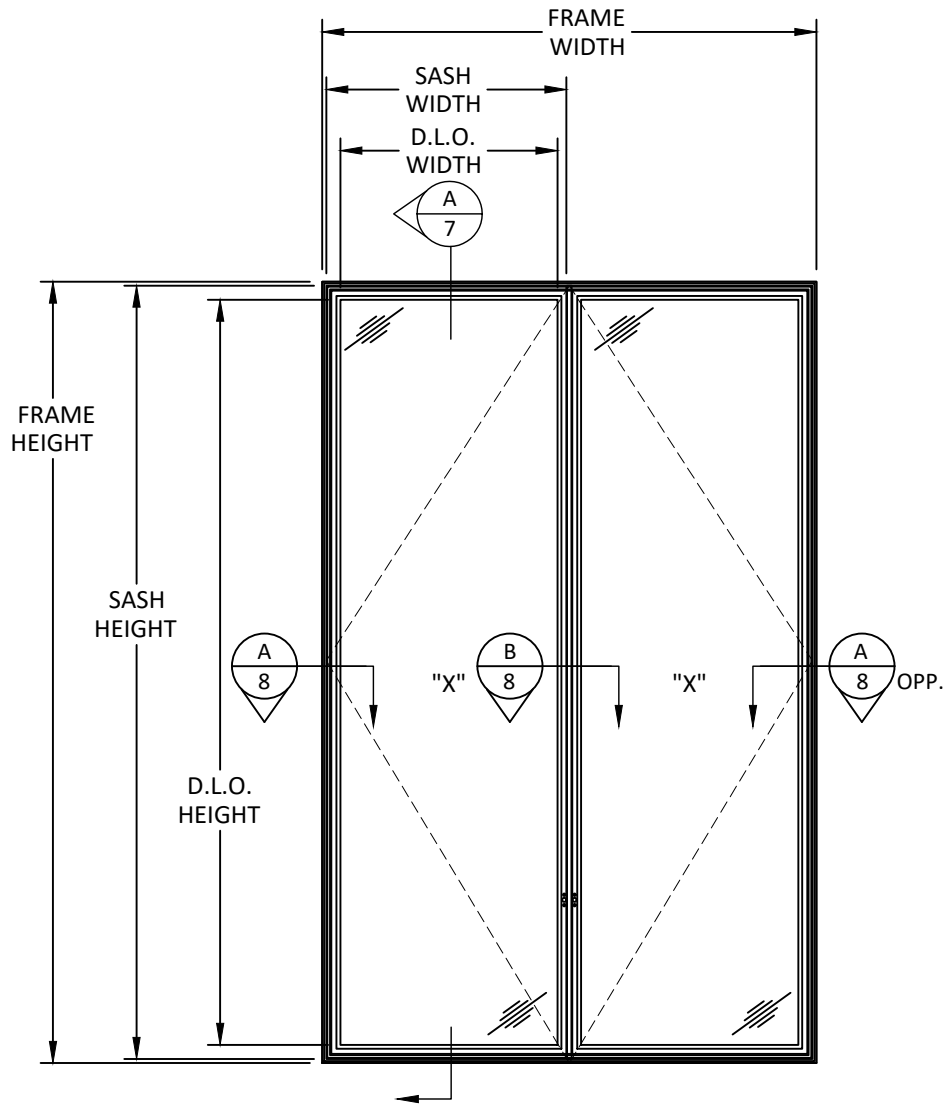
DWG. BY: **HJ** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **OVM008**

SHEET:
2
OF 9

c:\users\harley\appdata\local\temp\oliveri\millworks\lbc-26-0335.1 - steel impact products\dwgs\c3\ovm008.dwg 6/3/2026 12:55 PM



ELEVATION
FRENCH CASEMENT

SASH HEIGHT = FRAME HEIGHT - 1.34375"
SASH WIDTH = FRAME WIDTH/2 - 1.34375"
D.L.O. HEIGHT = SASH HEIGHT - 4.625"
D.L.O. WIDTH = SASH WIDTH - 3.59375"

FRENCH CASEMENT DESIGN PRESSURE TABLE (PSF)			
NOMINAL DIMS.		POS. (+)	NEG. (-)
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)		
72	36	68.3	75.0
84		68.3	75.0
96		68.3	75.0
108		68.3	75.0
120		68.3	75.0
132		68.3	75.0
144		68.3	75.0
72	42	68.3	75.0
84		68.3	75.0
96		68.3	75.0
108		68.3	75.0
120		68.3	75.0
132		68.3	75.0
144		68.3	75.0
72	48	68.3	75.0
84		68.3	75.0
96		68.3	75.0
108		68.3	75.0
120		68.3	75.0
132		68.3	75.0
144		68.3	75.0
72	54	68.3	75.0
84		68.3	75.0
96		68.3	75.0
108		68.3	75.0
120		68.3	75.0
132		68.3	75.0
144		68.3	75.0
72	60	68.3	75.0
84		68.3	75.0
96		68.3	75.0
108		68.3	75.0
120		68.3	75.0
132		68.3	75.0
144		68.3	75.0
72	66	68.3	75.0
84		68.3	75.0
96		68.3	75.0
108		68.3	75.0
120		68.3	75.0
132		68.3	75.0
144		68.3	75.0

FRENCH CASEMENT DESIGN PRESSURE TABLE (PSF)			
NOMINAL DIMS.		POS. (+)	NEG. (-)
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)		
72	72	68.3	75.0
84		68.3	75.0
96		68.3	75.0
108		68.3	75.0
120		68.3	75.0
132		68.3	75.0
72	78	68.3	75.0
84		68.3	75.0
96		68.3	75.0
108		68.3	75.0
120		68.3	75.0
72	84	68.3	75.0
84		68.3	75.0
96		68.3	75.0
108		68.3	75.0
120		68.3	75.0
72	90	68.3	75.0
84		68.3	75.0
96		68.3	75.0
108		68.3	75.0
120		68.3	75.0
72	96	68.3	75.0
84		68.3	75.0
96		68.3	74.9
108		68.3	75.0
120		68.3	75.0
72	102	68.3	75.0
84		68.3	75.0
96		63.4	69.2
108		68.3	75.0
120		68.3	75.0
72	108	65.0	70.9
84		65.0	70.9
96		68.3	74.9
108		68.3	74.9
120		68.3	74.9
72	114	60.8	66.3
84		60.8	66.3
96		64.7	70.5
108		64.7	70.5
120		64.7	70.5
72	120	57.1	62.3
84		57.1	62.3
96		61.1	66.6
108		61.1	66.6
120		61.1	66.6
72	126	55.0	60.0
84		55.0	60.0
96		55.0	60.0
108		55.0	60.0
120		55.0	60.0
144		55.0	60.0

TITLE: STEEL OUTSWING
CASEMENT WINDOW
(HVHZ) (IMPACT)

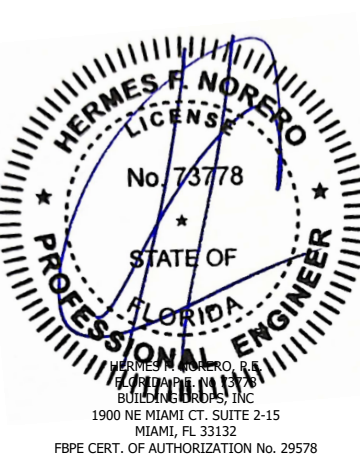
ELEVATION
& DESIGN PRESSURE TABLE

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com


BUILDING DROPS

REMARKS	BY	DATE

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.



HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL48239

DATE: **03.25.2026**

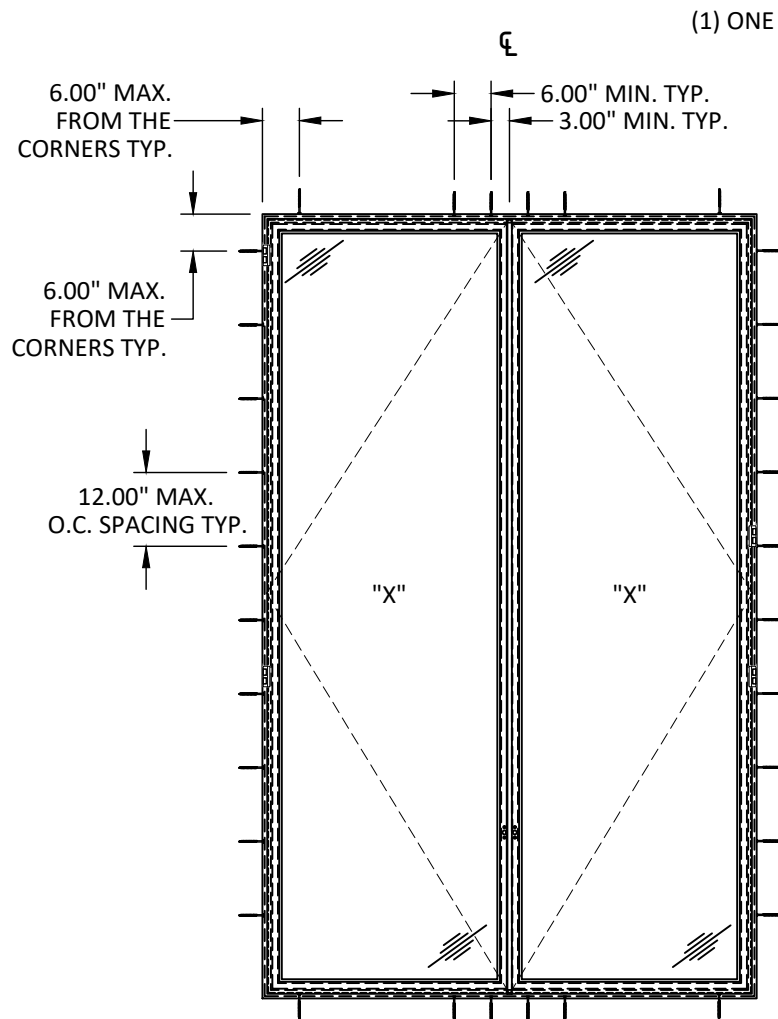
DWG. BY: **HJ** CHK. BY: **HFN**

SCALE: **NTS**

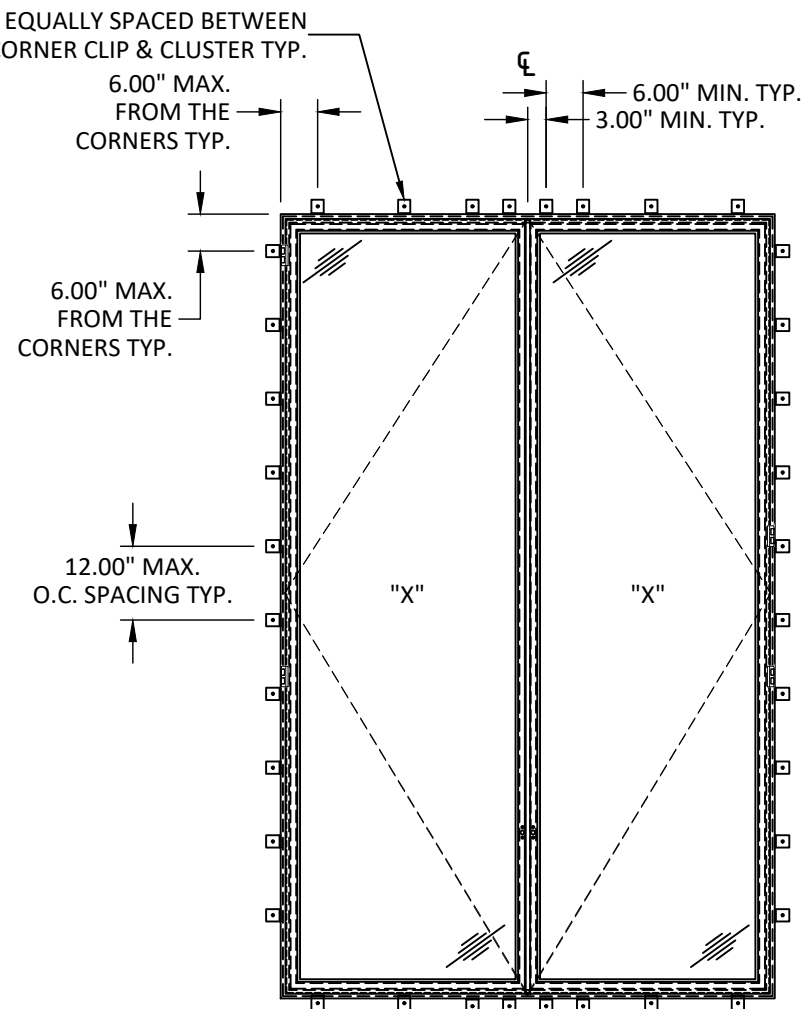
DWG. #: **OVM008**

SHEET:
3
OF 9

c:\users\harley\desktop\building drops, inc\building drops landing - common\projects\oliveri millworks\lbc-26-0335.1 - steel impact products\dwgs\c3\ovm008.dwg 6/3/2026 12:56 PM

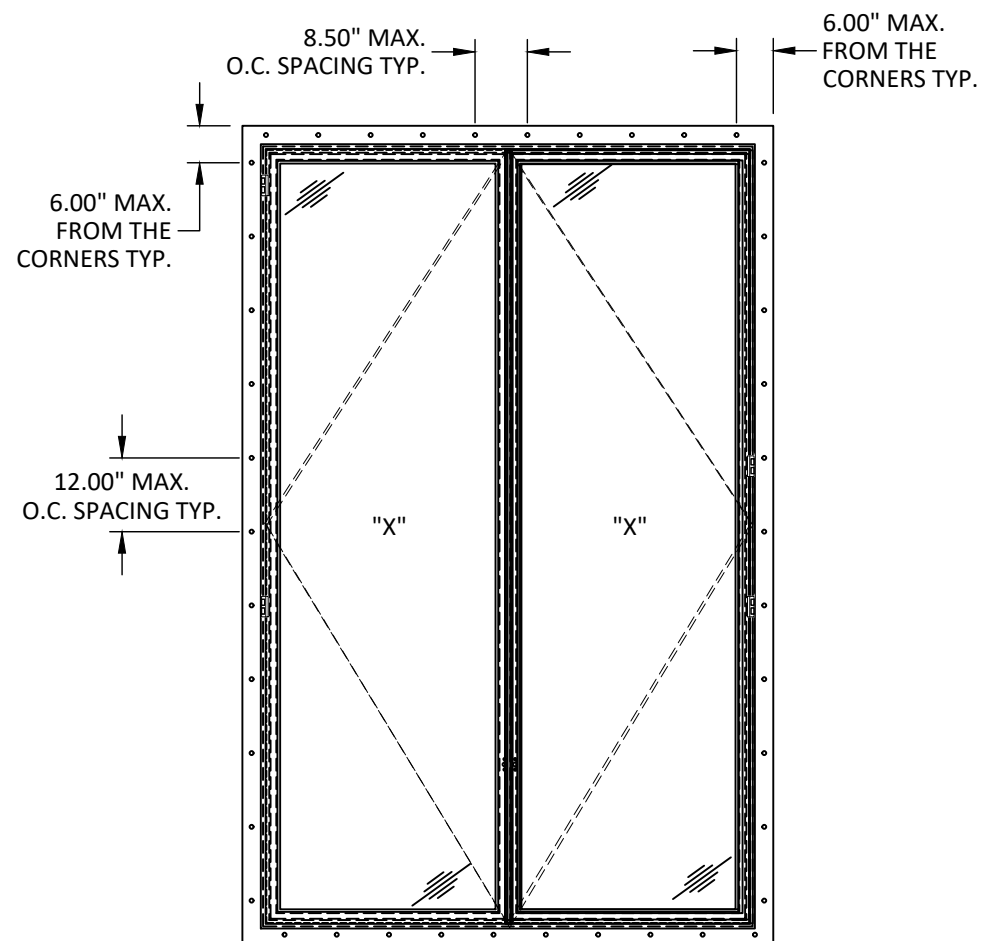


ANCHOR LAYOUT
FRENCH CASEMENT
THROUGH FRAME INSTALLATION



ANCHOR LAYOUT
FRENCH CASEMENT
FLAT CLIP INSTALLATION

NOTE:
1. CLUSTERS AT HEAD AND SILL CAN BE USED WITH EQUAL
ON CENTER SPACING AS SHOWN SHEETS 4 AND 5.



ANCHOR LAYOUT
FRENCH CASEMENT
ANGLE CLIP & NAIL FIN INSTALLATION

ANCHOR LEGEND	
•	ANGLE CLIP & NAIL FIN ANCHOR LOCATION
—	THROUGH FRAME ANCHOR LOCATION
□	FLAT CLIP LOCATION

TITLE: STEEL OUTSWING
CASEMENT WINDOW
(HVHZ) (IMPACT)

ANCHOR LAYOUTS

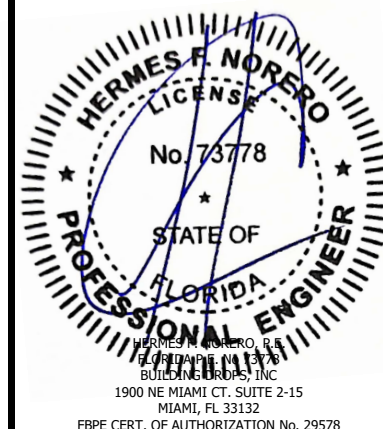
PREPARED BY: BUILDING DROPS, INC.

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



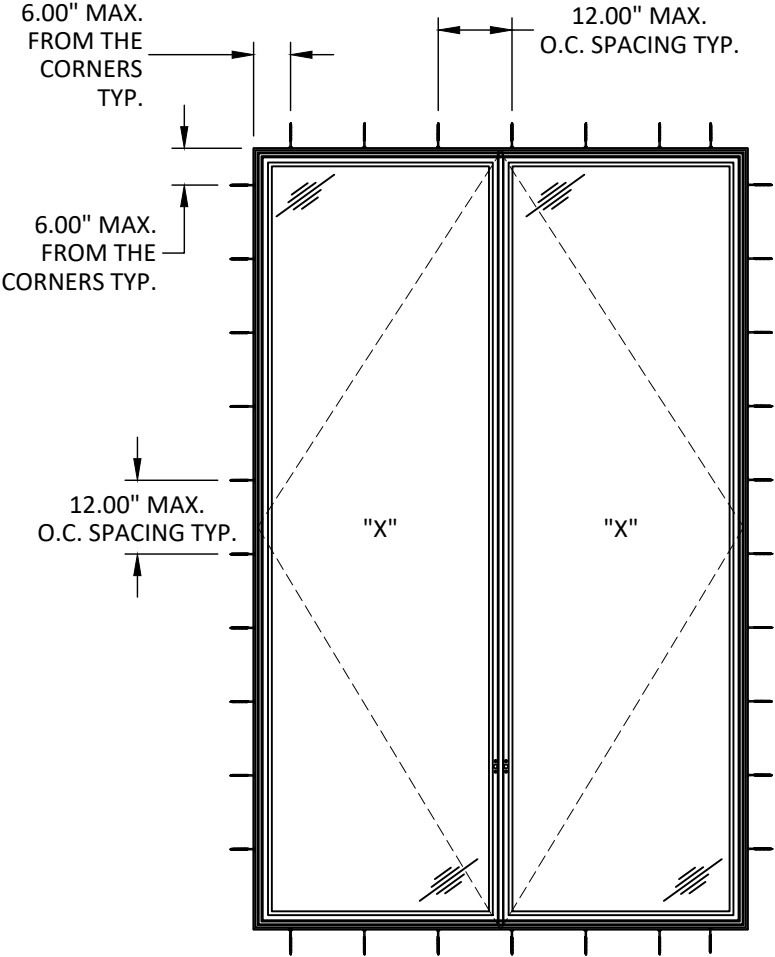
REMARKS	BY	DATE

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.

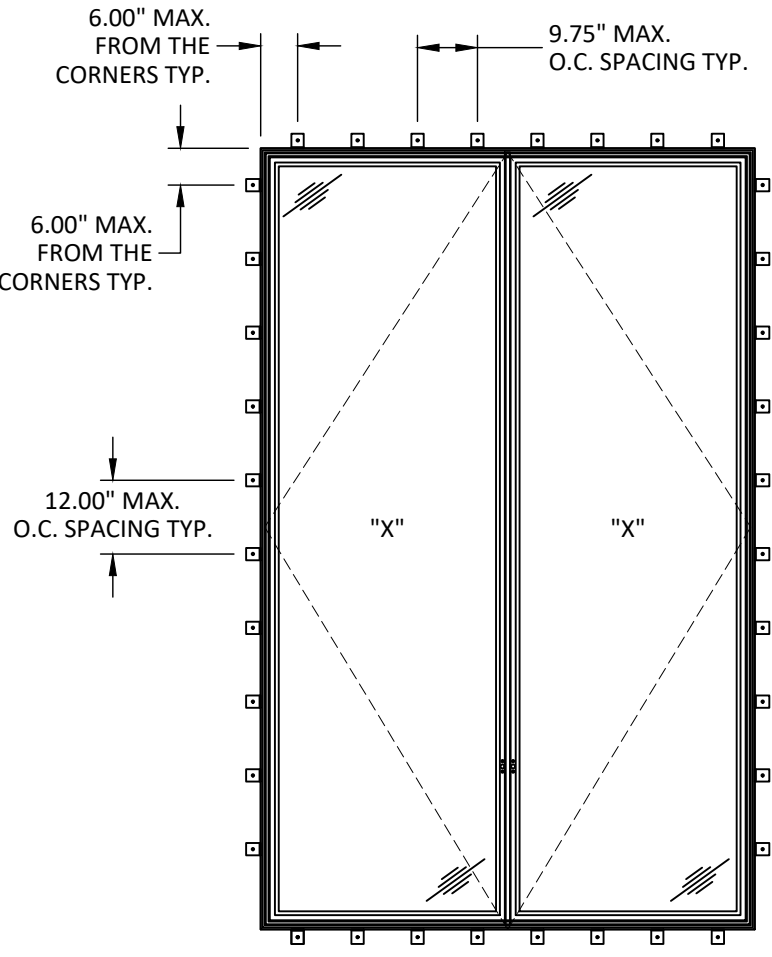


FL #:	FL48239
DATE:	03.25.2026
DWG. BY:	HJ
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	OVM008
SHEET:	4
OF 9	

c:\users\harley\appdata\local\temp\oliveri\millworks\lbc-26-0335.1 - steel impact products\dwgs\c3\ovm008.dwg 6/3/2026 12:55 PM

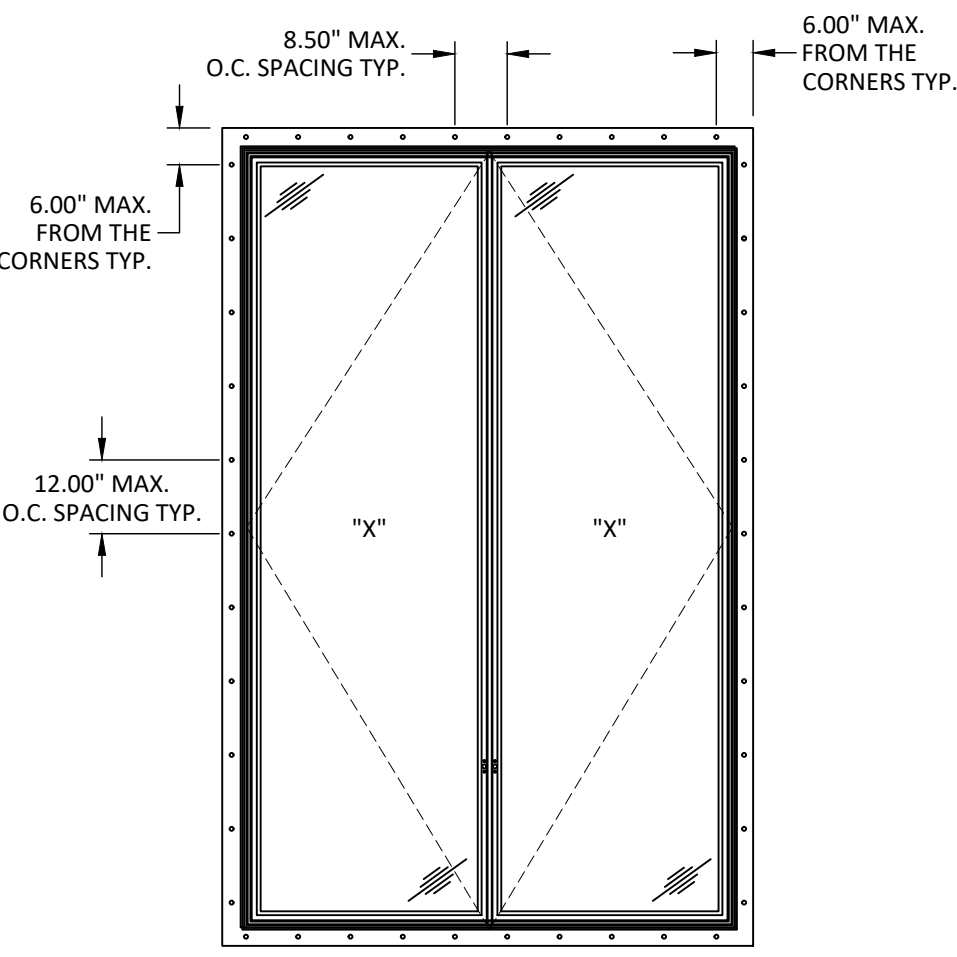


ANCHOR LAYOUT
FRENCH CASEMENT
THROUGH FRAME INSTALLATION



ANCHOR LAYOUT
FRENCH CASEMENT
FLAT CLIP INSTALLATION

NOTE:
1. CLUSTERS AT HEAD AND SILL CAN BE USED WITH EQUAL
ON CENTER SPACING AS SHOWN SHEETS 4 AND 5.



ANCHOR LAYOUT
FRENCH CASEMENT
ANGLE CLIP & NAIL FIN INSTALLATION

ANCHOR LEGEND	
•	ANGLE CLIP & NAIL FIN ANCHOR LOCATION
—	THROUGH FRAME ANCHOR LOCATION
□	FLAT CLIP LOCATION

TITLE:

STEEL OUTSWING
CASEMENT WINDOW
(HVHZ) (IMPACT)

ANCHOR LAYOUTS

PREPARED BY:

BUILDING DROPS, INC.

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

BUILDING DROPS

REMARKS	BY	DATE

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.

HERMES F. NORERO

LICENSE

No. 73778

STATE OF
FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.

BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL48239

DATE:

03.25.2026

DWG. BY:

HJ

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

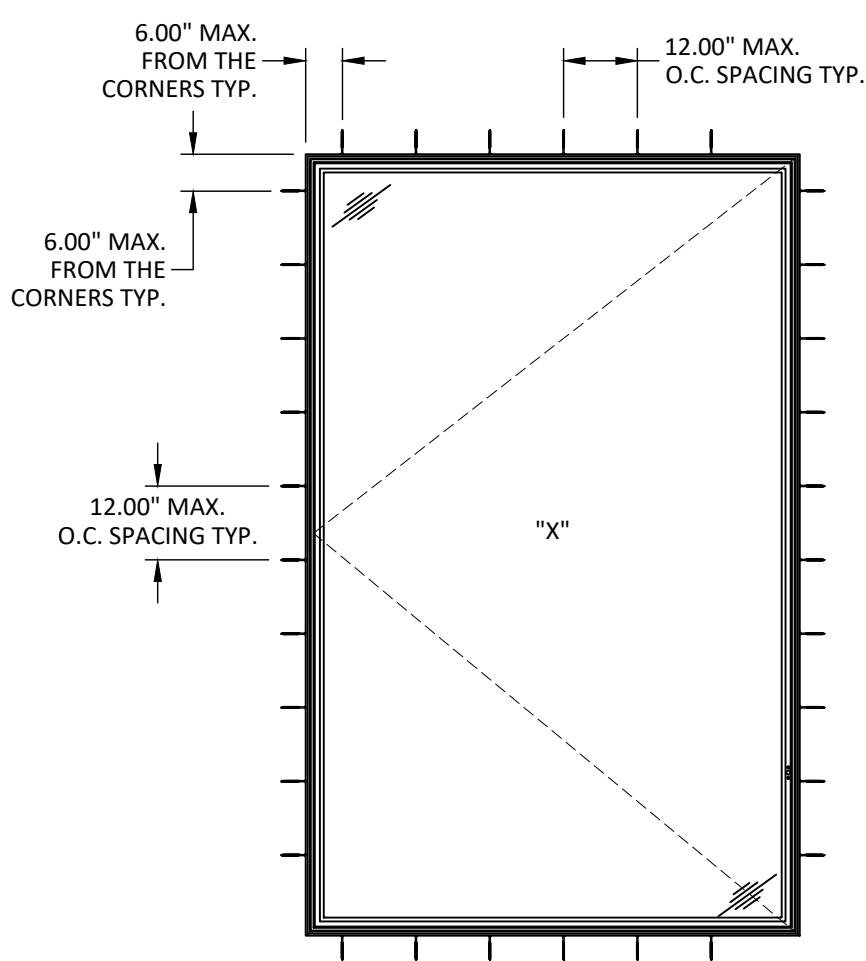
OVM008

SHEET:

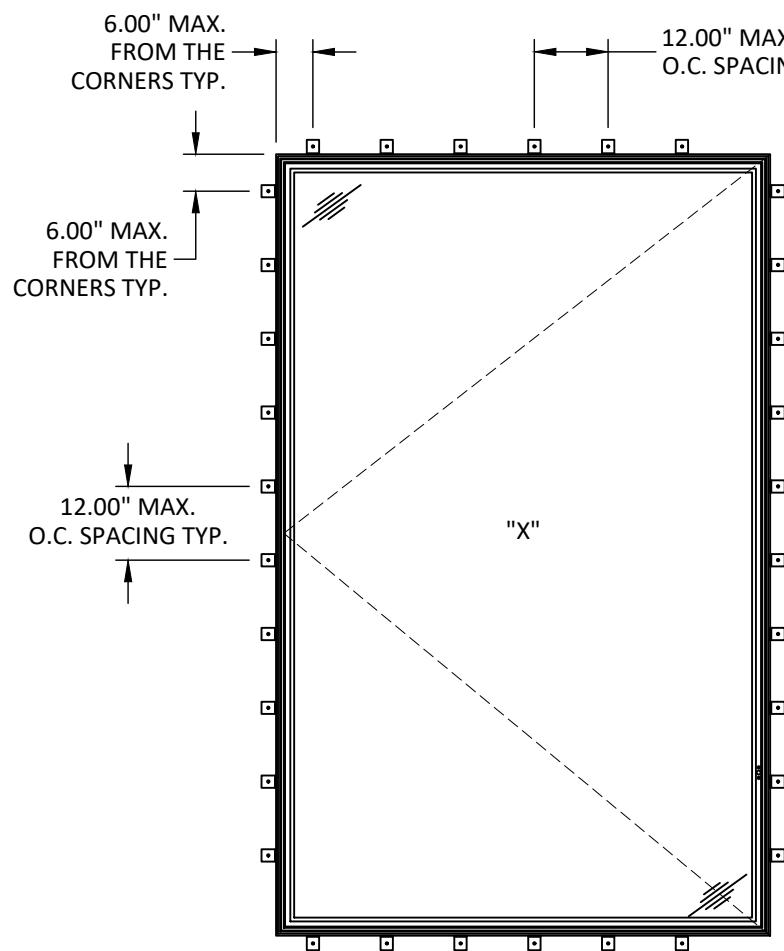
5

OF 9

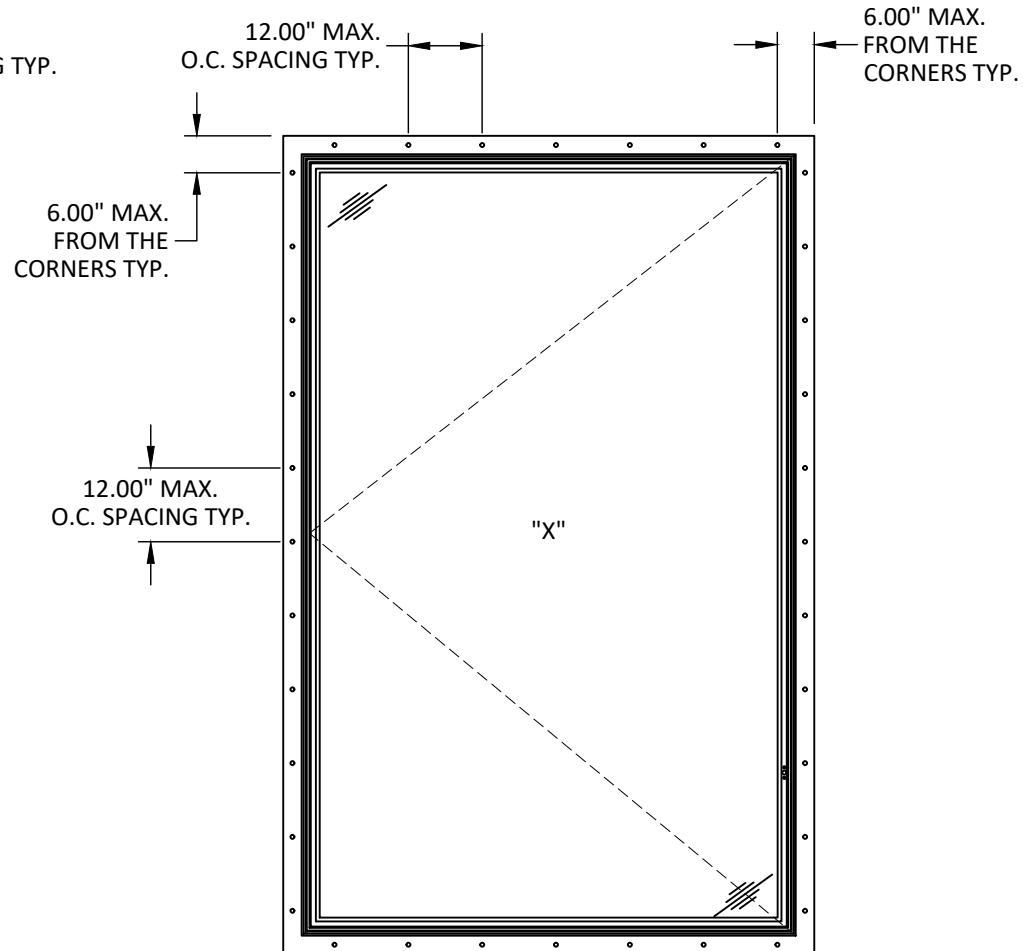
c:\users\harley\desktop\building drops, inc\building drops landing - common\projects\oliveri millworks\lbc-26-0335.1 - steel impact products\dwgs\c3\ovm008.dwg 6/3/2026 12:55 PM



ANCHOR LAYOUT
CASEMENT
THROUGH FRAME INSTALLATION



ANCHOR LAYOUT
CASEMENT
FLAT CLIP INSTALLATION



ANCHOR LAYOUT
CASEMENT
ANGLE CLIP & NAIL FIN INSTALLATION

ANCHOR LEGEND	
◦	ANGLE CLIP & NAIL FIN ANCHOR LOCATION
—	THROUGH FRAME ANCHOR LOCATION
◻	FLAT CLIP LOCATION

OLIVERI MILLWORKS
3001 TUXEDO AVENUE
WEST PALM BEACH, FL 33405
PH: (561) 478-7233

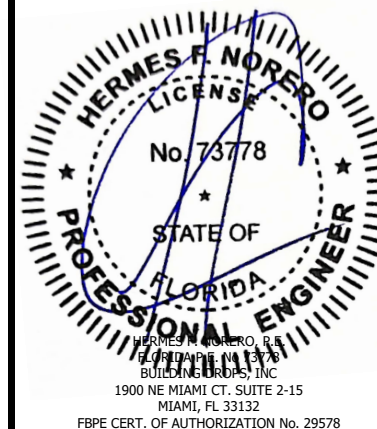
TITLE: STEEL OUTSWING
CASEMENT WINDOW
(HVHZ) (IMPACT)
ANCHOR LAYOUTS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

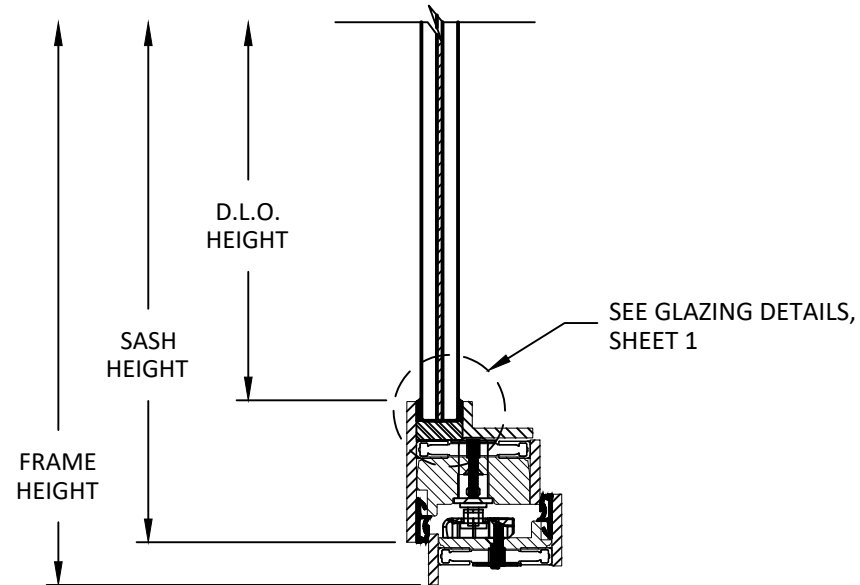
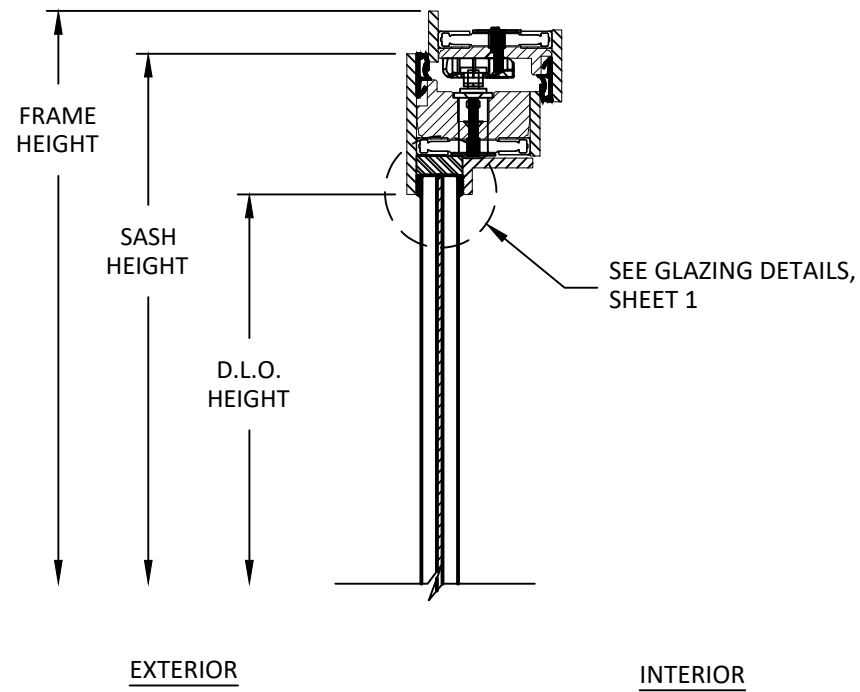
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL #:	FL48239
DATE:	03.25.2026
DWG. BY:	CHK. BY:
HJ	HFN
SCALE:	NTS
DWG. #:	OVM008
SHEET:	6 OF 9

c:\users\harley\desktop\building drops, inc\building drops landing - common\projects\oliveri millworks\lbc-26-0335.1 - steel impact products\dwgs\c3\ovm008.dwg

6/3/2026 12:55 PM



A
7

VERTICAL SECTION

OPERABLE CASEMENT
HEAD & SILL

OLIVERI MILLWORKS
3001 TUXEDO AVENUE
WEST PALM BEACH, FL 33405
PH: (561) 478-7233

TITLE: STEEL OUTSWING
CASEMENT WINDOW
(HVHZ) (IMPACT)

VERTICAL SECTION

PREPARED BY: BUILDING DROPS, INC.

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



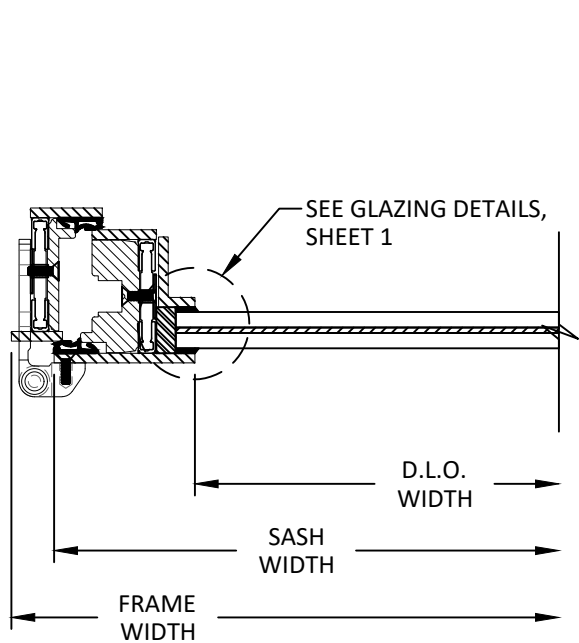
REMARKS	BY	DATE

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.

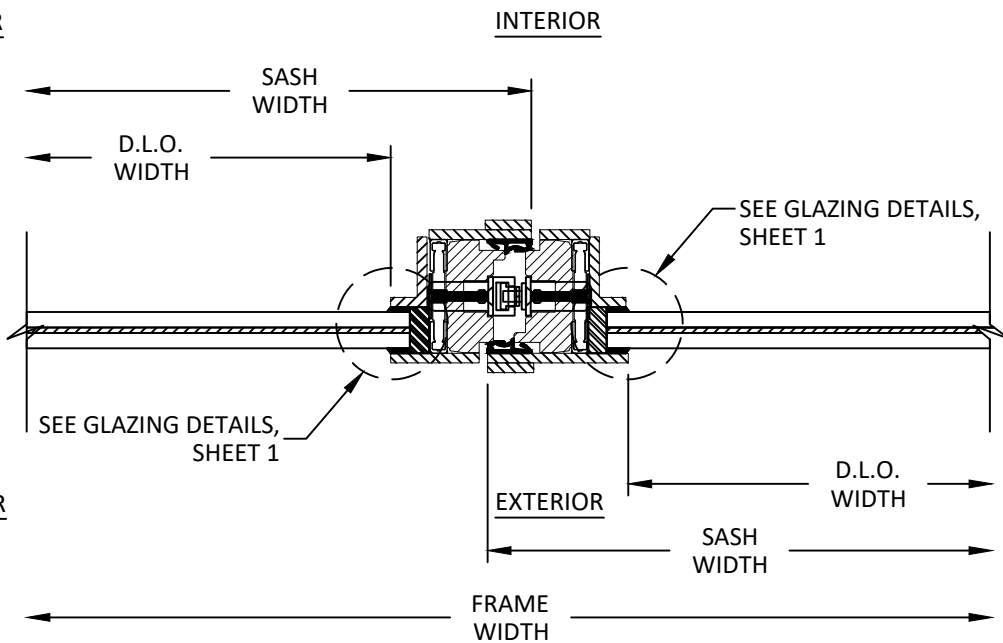


FL #:		FL48239	
DATE:		03.25.2026	
DWG. BY:		CHK. BY:	
HJ		HFN	
SCALE:		NTS	
DWG. #:		OVM008	
SHEET:			

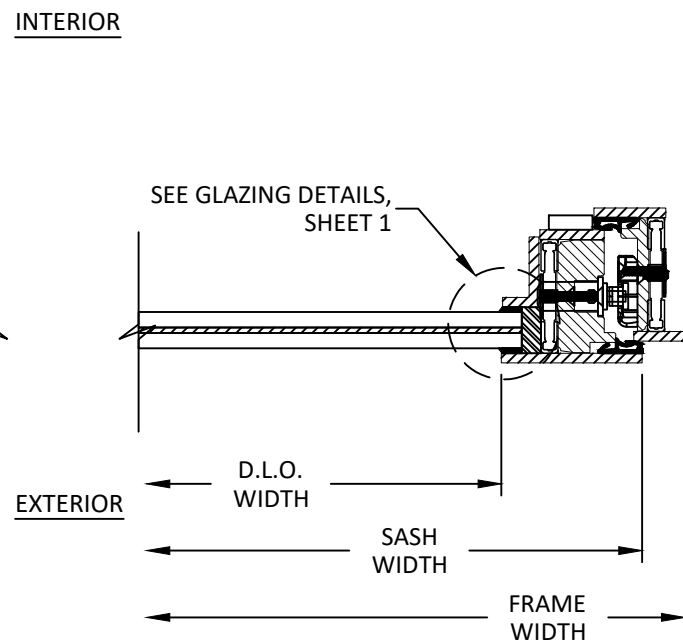
c:\users\harley\desktop\building drops, including drops landing - common\projects\oliveri millworks\lbc-26-0335.1 - steel impact products\dwgs\lbc-26-0335.1.dwg 6/3/2026 12:55 PM



A
8 HORIZONTAL SECTION
OPERABLE JAMB



B
8 HORIZONTAL SECTION
MEETING STILE



C
8 HORIZONTAL SECTION
LOCK JAMB

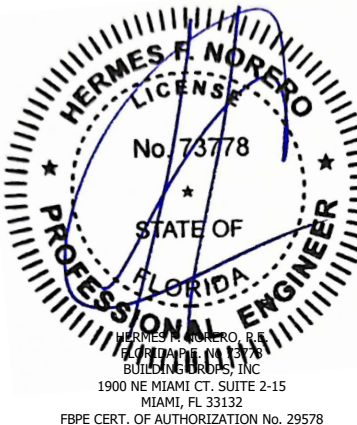
TITLE: STEEL OUTSWING
CASEMENT WINDOW
(HVHZ) (IMPACT)
HORIZONTAL SECTIONS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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.



FL #: **FL48239**

DATE: **03.25.2026**

DWG. BY: HJ	CHK. BY: HFN
-----------------------	------------------------

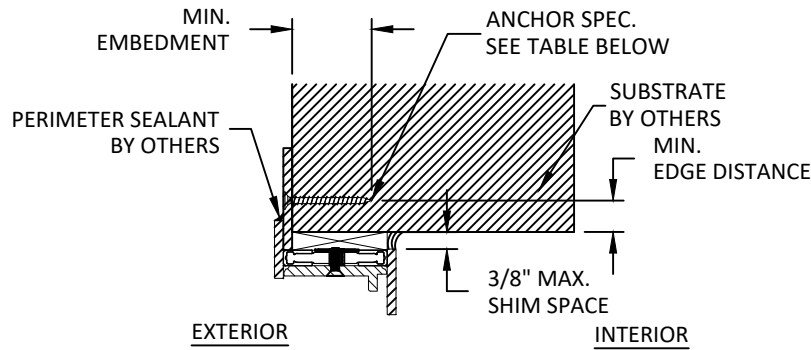
SCALE: **NTS**

DWG. #: **OVM008**

SHEET:
8
OF 9

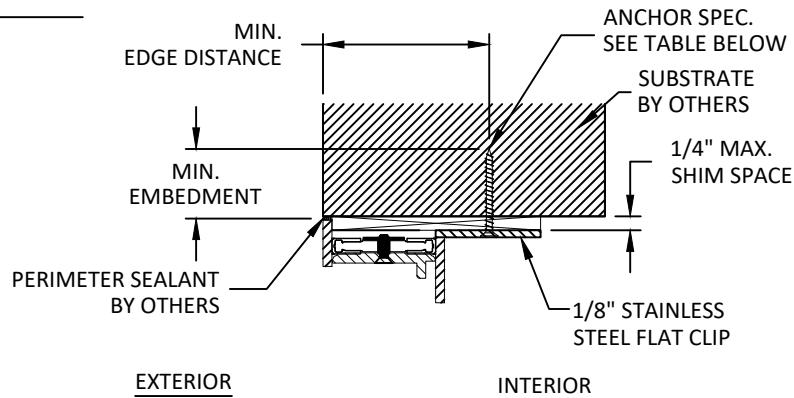
6/3/2026 12:55 PM

c:\users\harley\my building drops, inc\building drops millworks\fbc-26-0335.1 - steel impact products\dwgs\cs\ovm008.dwg



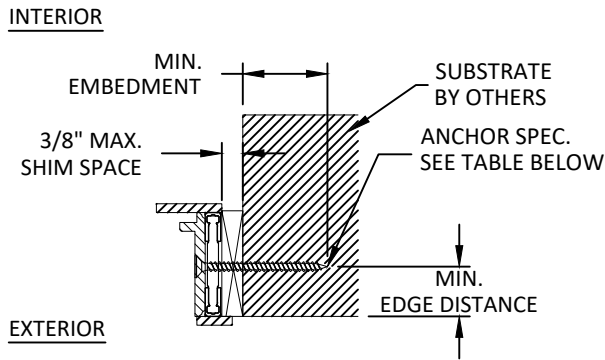
A
9 ANCHOR DETAIL
NAIL FIN INSTALLATION
HEAD

NOTE: JAMB & SILL SIMILAR



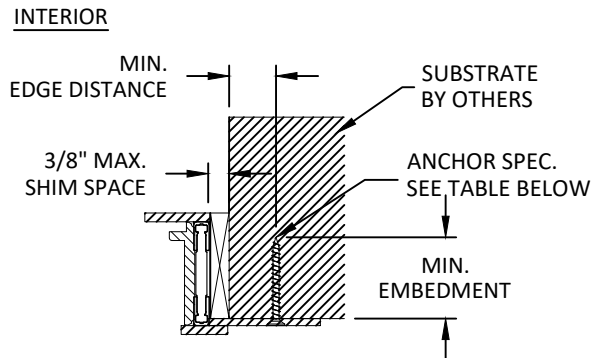
B
9 ANCHOR DETAIL
FLAT CLIP INSTALLATION
HEAD

NOTE: JAMB & SILL SIMILAR



C
9 ANCHOR DETAIL
THROUGH FRAME INSTALLATION
JAMB

NOTE: HEAD & SILL SIMILAR



D
9 ANCHOR DETAIL
ANGLE CLIP INSTALLATION
JAMB

NOTE: HEAD & SILL SIMILAR

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN ON SHEETS 4, 5 AND 6.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ 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.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). SEE ABOVE FOR MAXIMUM ALLOWABLE SHIM STACK PER INSTALLATION METHOD. SHIM WHERE SPACE OF $1/16$ INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR MASONRY OR CONCRETE OPENINGS, 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.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 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.
- 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 TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	WOOD: MIN. SG = 0.55	#14 S.S. WOOD SCREW	1.50"	0.50"
	METAL: STEEL 18 GA. MIN. Fy = 33KSI, ALUMINUM 1/8" MIN. 6063-T6	#14 GR. 5 SELF-DRILLING OR SELF-TAPPING SCREW	3 THREADS MIN. PENETRATION BEYOND METAL	0.50"
	CONCRETE: MIN. F'c = 3000 PSI	1/4" DEWALT CRETE-FLEX	1.75"	1.00"
	MASONRY: Per ASTM C90 MIN. F'c = 2000 PSI	1/4" DEWALT CRETE-FLEX	1.25"	1.75"
FLAT CLIP	WOOD: MIN. SG = 0.55	#10 S.S. WOOD SCREW	1.50"	0.50"
	METAL: STEEL 18 GA. MIN. Fy = 33KSI, ALUMINUM 1/8" MIN. 6063-T6	#10 GR. 5 SELF-DRILLING OR SELF-TAPPING SCREW	3 THREADS MIN. PENETRATION BEYOND METAL	0.50"
	CONCRETE: MIN. F'c = 3000 PSI	1/4" DEWALT CRETE-FLEX	1.75"	1.00"
	MASONRY: Per ASTM C90 MIN. F'c = 2000 PSI	1/4" DEWALT CRETE-FLEX	1.25"	1.75"
ANGLE CLIP & NAIL FIN	WOOD: MIN. SG = 0.55	#10 S.S. WOOD SCREW	1.50"	0.50"
	METAL: STEEL 18 GA. MIN. Fy = 33KSI, ALUMINUM 1/8" MIN. 6063-T6	#10 GR. 5 SELF-DRILLING OR SELF-TAPPING SCREW	3 THREADS MIN. PENETRATION BEYOND METAL	0.50"

OLIVERI
ARCHITECTURAL
WINDOWS + DOORS

MILLWORKS

OLIVERI MILLWORKS
3001 TUXEDO AVENUE
WEST PALM BEACH, FL 33405
PH: (561) 478-7233

TITLE: STEEL OUTSWING
CASEMENT WINDOW
(HVHZ) (IMPACT)

INSTALLATION NOTES
& ANCHOR DETAILS

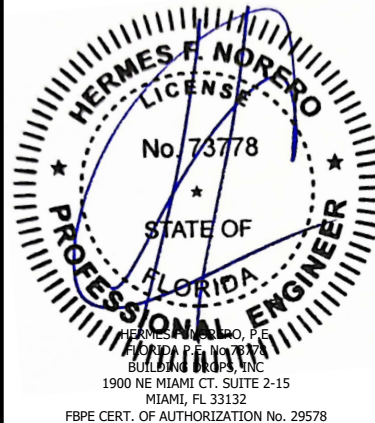
PREPARED BY: BUILDING DROPS, INC.

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



REMARKS	BY	DATE

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.



FL #: **FL48239**

DATE: **03.25.2026**

DWG. BY:
HJ

CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **OVM008**

SHEET:

9

OF 9