

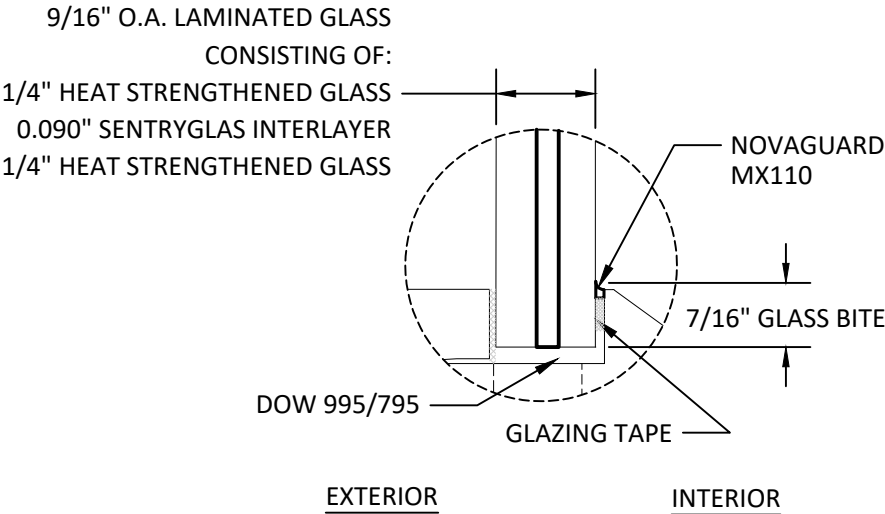
OLIVERI MILLWORKS

OUTSWING WOOD DOUBLE AND SINGLE DOOR

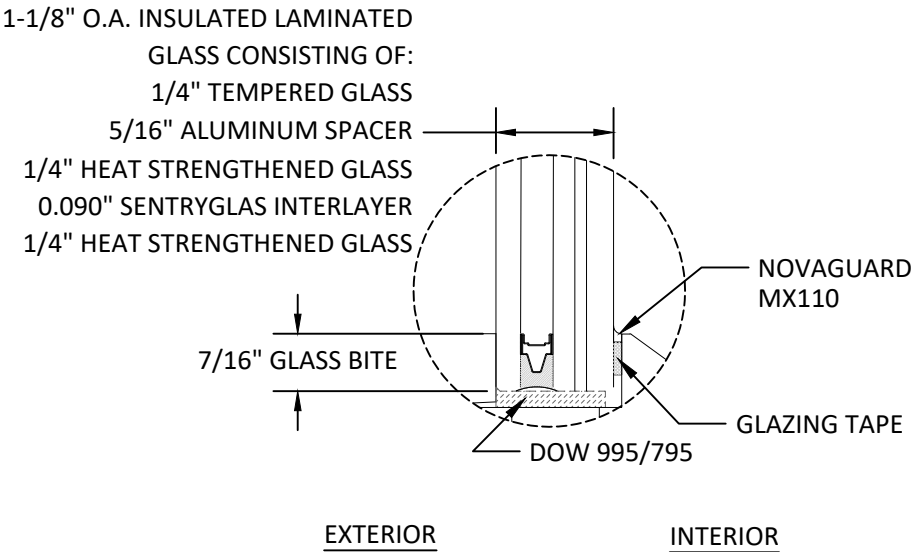
(HVHZ)(IMPACT)

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 E1886-19
 - ASTM E1996-20
 - ASTM 283/283M-19
 - ASTM 330/330M-14(21)
 - ASTM 331/331M-00(16)
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: MAHOGANY
8. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.



GLAZING DETAIL 1



GLAZING DETAIL2

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES & GLAZING DETAILS
2	ELEVATION
3	ELEVATION
4	ELEVATION
5	ELEVATION
6	ANCHOR LAYOUT
7	ANCHOR LAYOUT
8	ANCHOR LAYOUT
9	ANCHOR LAYOUT
10	ANCHOR LAYOUT
11	VERTICAL SECTIONS
12	HORIZONTAL SECTIONS
13	HORIZONTAL SECTIONS
14	HORIZONTAL SECTIONS
15	VERTICAL SECTIONS
16	INSTALLATION NOTES & ANCHOR SCHEDULE
17	INSTALLATION NOTES & ANCHOR SCHEDULE
18	INSTALLATION NOTES & ANCHOR SCHEDULE
19	BILL OF MATERIALS

DESIGN PRESSURE RATING (PSF)			
WIDTH (IN.)	HEIGHT (IN.)	DESIGN PRESSURE	MISSILE IMPACT RATING
SEE SHEETS 2, 3, 4, & 5	SEE SHEETS 2, 3, 4, & 5	SEE SHEETS 2, 3, 4, & 5	LARGE & SMALL MISSILE IMPACT

- 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.



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

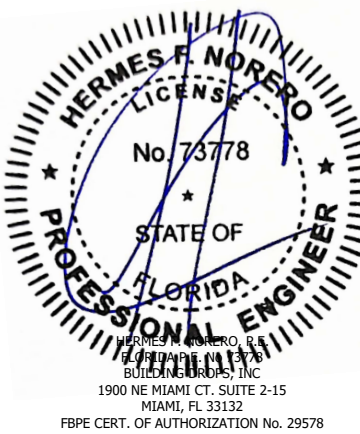
TITLE:
OUTSWING WOOD DOUBLE
AND SINGLE DOOR
(HVHZ) (IMPACT)
GENERAL NOTES &
GLAZING DETAILS

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

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FL #:

FL47485

DATE: 04.23.2025

DWG. BY: JR

CHK. BY: HFN

SCALE: NTS

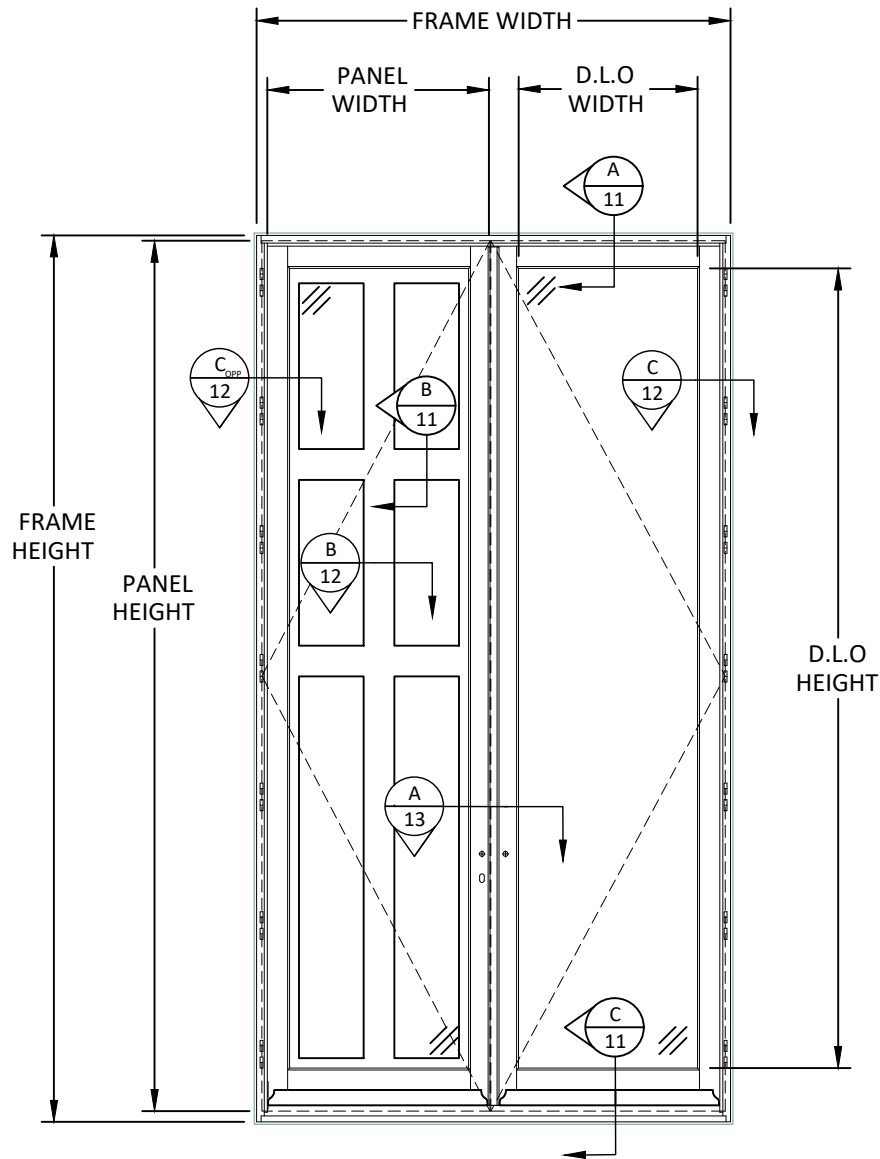
DWG. #: OVM004

SHEET:

1

OF 19

c:\users\franciscobreno\building_drops, inc\building_drops, inc\work_projects\millwork_artsans\fbx-25-0204.2 - fbx submittal - impact wood systems - oliveri millworks\dwgs\outswing french doors\mwa005.dwg 4/23/2025 3:54 PM



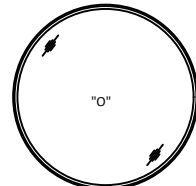
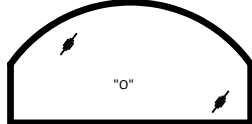
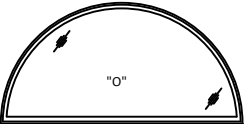
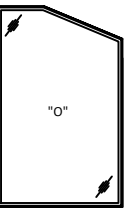
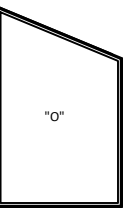
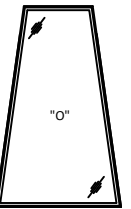
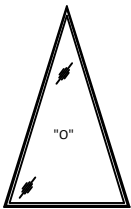
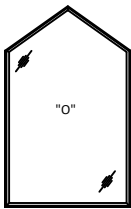
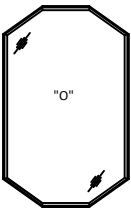
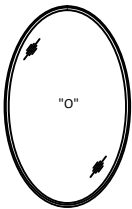
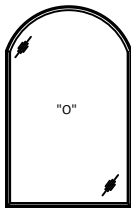
D.L.O. HEIGHT = FRAME HEIGHT - 15.12"
D.L.O. WIDTH = FRAME WIDTH/2 - 8.94"
PANEL HEIGHT = FRAME HEIGHT - 2.62"
PANEL WIDTH = FRAME WIDTH/2 - 2.00"

DESIGN PRESSURE CHART (PSF)			
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)	EXT. (+)	INT. (-)
66	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	80.00	80.00
	102	80.00	80.00
	108	76.59	76.59
	114	65.00	65.00
	120	65.00	65.00
	126	65.00	65.00
	132	65.00	65.00
	138	65.00	65.00
72	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	80.00	80.00
	102	80.00	80.00
	108	70.72	70.72
	114	65.00	65.00
	120	65.00	65.00
	126	65.00	65.00
	132	65.00	65.00
	138	65.00	65.00
76	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	80.00	80.00
	102	80.00	80.00
	108	67.35	67.35
	114	65.00	65.00
	120	65.00	65.00
	126	65.00	65.00
	132	65.00	65.00
	138	65.00	65.00
144	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00

DESIGN PRESSURE CHART (PSF)			
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)	EXT. (+)	INT. (-)
84	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	80.00	80.00
	102	73.71	73.71
	108	65.00	65.00
	114	65.00	65.00
	120	65.00	65.00
	126	65.00	65.00
90	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	80.00	80.00
	102	69.51	69.51
	108	65.00	65.00
	114	65.00	65.00
96	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	80.00	80.00
	102	65.00	65.00
	108	65.00	65.00
	114	65.00	65.00
102	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	65.00	65.00
	102	65.00	65.00
108	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	65.00	65.00
	96	65.00	65.00
	102	65.00	65.00

QUALIFIED SHAPES

NOTE: TYPICAL SHAPES SHOWN. ANY SHAPE IS QUALIFIED. INSCRIBED SHAPE IS LIMITED TO THE RECTANGLE MAX. WIDTH AND HEIGHT IN DP TABLES ON SHEET 2.



OLIVERI ARCHITECTURAL WINDOWS + DOORS MILLWORKS

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

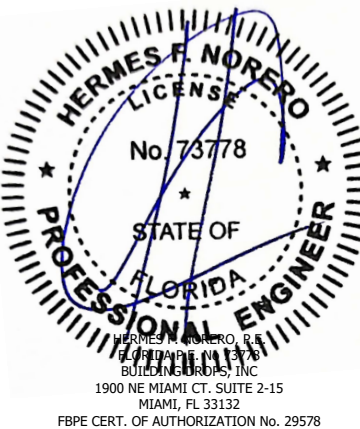
TITLE: OUTSWING WOOD DOUBLE AND SINGLE DOOR (HVHZ) (IMPACT) ELEVATION

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

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FL #: FL47485

DATE: 04.23.2025

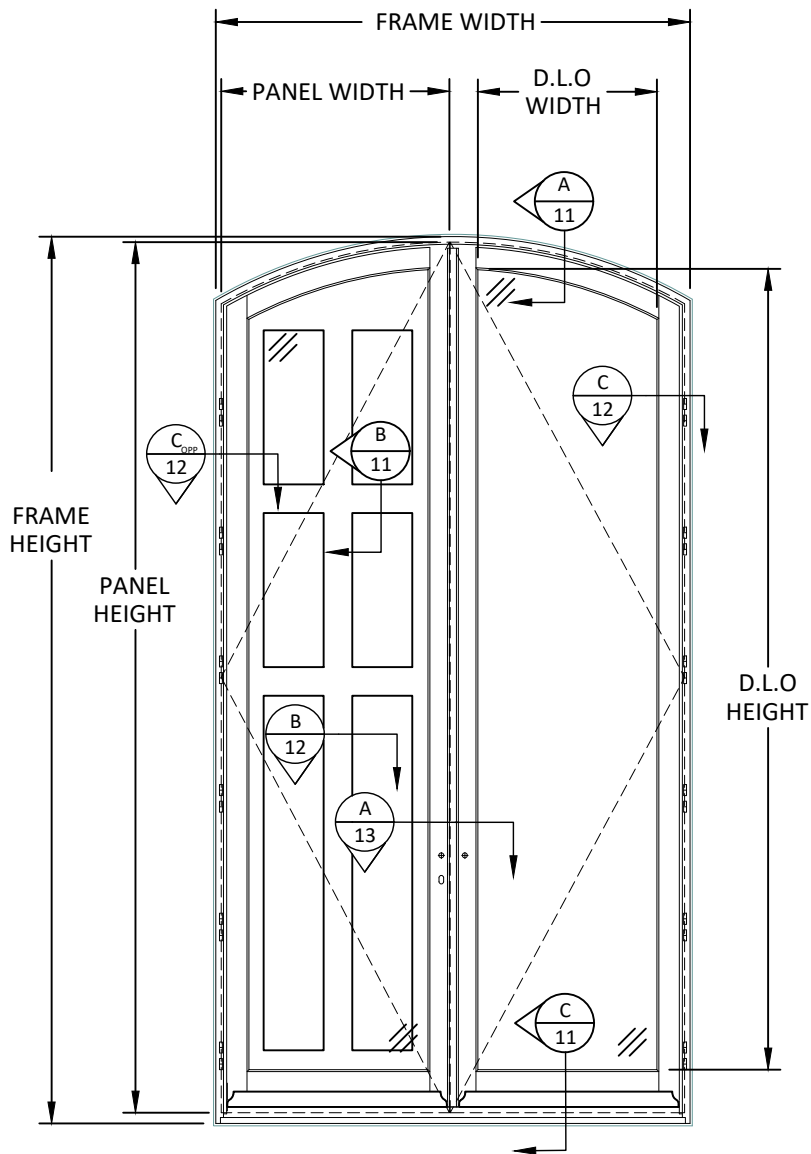
DWG. BY: JR
CHK. BY: HFN

SCALE: NTS

DWG. #: OVM004

SHEET: 2

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D.L.O. HEIGHT = FRAME HEIGHT - 15.12"
D.L.O. WIDTH = FRAME WIDTH/2 - 8.94"
PANEL HEIGHT = FRAME HEIGHT - 2.62"
PANEL WIDTH = FRAME WIDTH/2 - 2.00"

DESIGN PRESSURE CHART (PSF)			
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)	EXT. (+)	INT. (-)
66	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	80.00	80.00
	102	80.00	80.00
	108	76.59	76.59
	114	65.00	65.00
	120	65.00	65.00
	126	65.00	65.00
	132	65.00	65.00
	138	65.00	65.00
72	144	65.00	65.00
	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	80.00	80.00
	102	80.00	80.00
	108	70.72	70.72
	114	65.00	65.00
	120	65.00	65.00
	126	65.00	65.00
	132	65.00	65.00
76	138	65.00	65.00
	144	65.00	65.00
	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	80.00	80.00
	102	80.00	80.00
	108	67.35	67.35
	114	65.00	65.00
	120	65.00	65.00
	126	65.00	65.00
	132	65.00	65.00
	138	65.00	65.00
	144	65.00	65.00

DESIGN PRESSURE CHART (PSF)			
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)	EXT. (+)	INT. (-)
84	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	80.00	80.00
	102	73.71	73.71
	108	65.00	65.00
	114	65.00	65.00
	120	65.00	65.00
	126	65.00	65.00
	132	65.00	65.00
	138	65.00	65.00
90	144	65.00	65.00
	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	80.00	80.00
	102	69.51	69.51
	108	65.00	65.00
	114	65.00	65.00
	120	65.00	65.00
	126	65.00	65.00
	132	65.00	65.00
96	138	65.00	65.00
	144	65.00	65.00
	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	80.00	80.00
	102	65.00	65.00
	108	65.00	65.00
	114	65.00	65.00
	120	65.00	65.00
	126	65.00	65.00
102	132	65.00	65.00
	138	65.00	65.00
	144	65.00	65.00
	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	65.00	65.00
	102	65.00	65.00
	108	65.00	65.00
	114	65.00	65.00
	120	65.00	65.00
108	126	65.00	65.00
	132	65.00	65.00
	138	65.00	65.00
	144	65.00	65.00
	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	65.00	65.00
	96	65.00	65.00
	102	65.00	65.00
	108	65.00	65.00
	114	65.00	65.00
	120	65.00	65.00
	126	65.00	65.00
	132	65.00	65.00
	138	65.00	65.00
	144	65.00	65.00



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WEST PALM BEACH, FL 33405
PH#: + (561) 478-7233

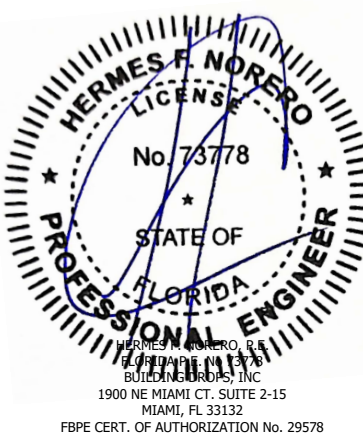
TITLE:
OUTSWING WOOD DOUBLE
AND SINGLE DOOR
(HVHZ) (IMPACT)
ELEVATION

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
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REMARKS	BY	DATE

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FL #:
FL47485

DATE: **04.23.2025**

DWG. BY: **JR**
CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **OVM004**

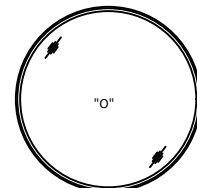
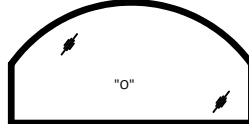
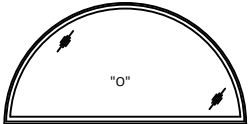
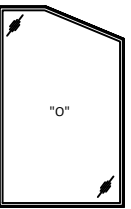
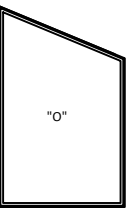
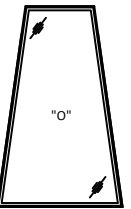
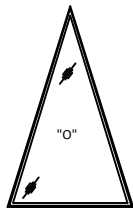
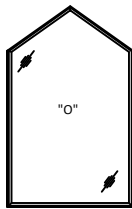
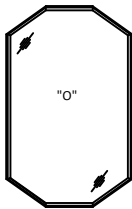
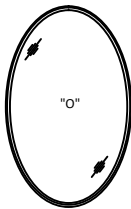
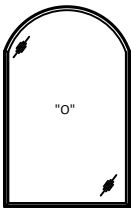
SHEET:

3

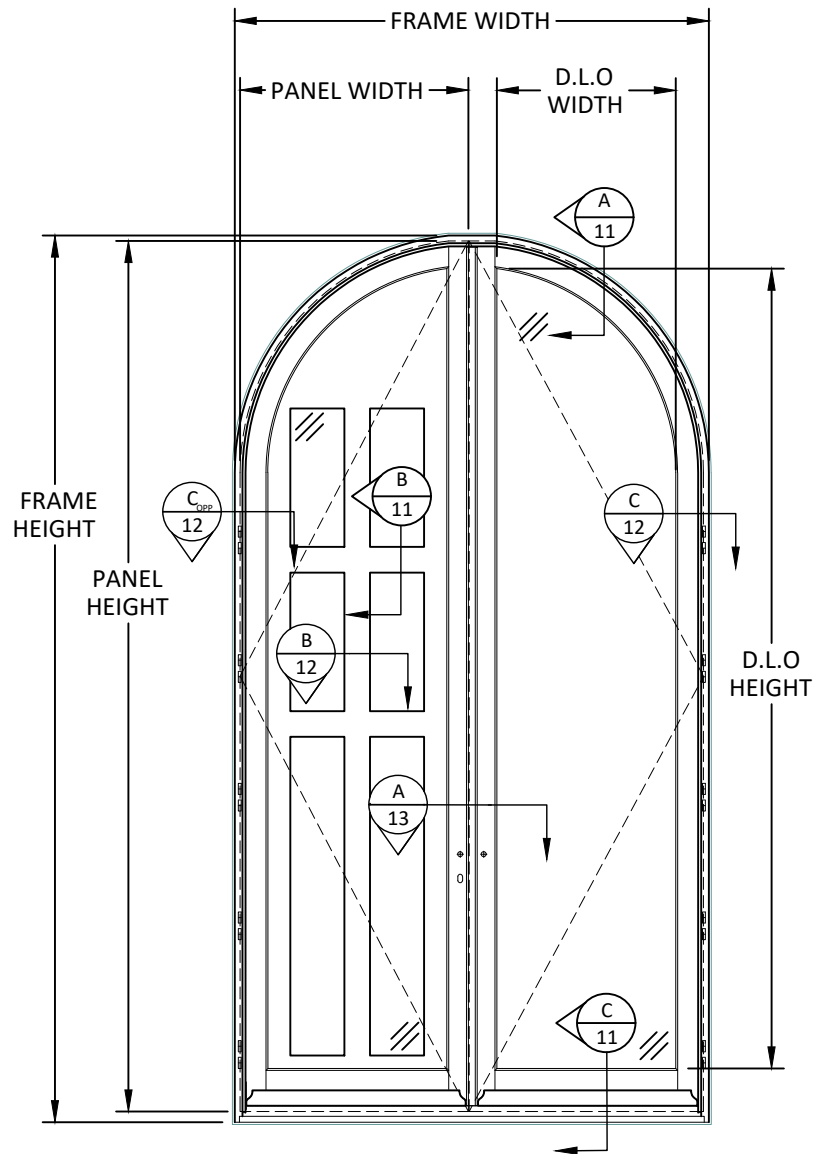
OF 19

**QUALIFIED
SHAPES**

NOTE: TYPICAL
SHAPES SHOWN. ANY
SHAPE IS QUALIFIED.
INSCRIBED SHAPE IS
LIMITED TO THE
RECTANGLE MAX.
WIDTH AND HEIGHT
IN DP TABLES ON
SHEET 3.



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D.L.O. HEIGHT = FRAME HEIGHT - 15.12"
D.L.O. WIDTH = FRAME WIDTH/2 - 8.94"
PANEL HEIGHT = FRAME HEIGHT - 2.62"
PANEL WIDTH = FRAME WIDTH/2 - 2.00"

DESIGN PRESSURE CHART (PSF)			
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)	EXT. (+)	INT. (-)
66	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	80.00	80.00
	102	80.00	80.00
	108	76.59	76.59
	114	65.00	65.00
	120	65.00	65.00
	126	65.00	65.00
72	132	65.00	65.00
	138	65.00	65.00
	144	65.00	65.00
	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	80.00	80.00
	102	80.00	80.00
	108	70.72	70.72
76	114	65.00	65.00
	120	65.00	65.00
	126	65.00	65.00
	132	65.00	65.00
	138	65.00	65.00
	144	65.00	65.00
	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	80.00	80.00
	102	80.00	80.00
	108	67.35	67.35
	114	65.00	65.00
	120	65.00	65.00
	126	65.00	65.00
	132	65.00	65.00
	138	65.00	65.00
	144	65.00	65.00
	144	65.00	65.00

DESIGN PRESSURE CHART (PSF)			
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)	EXT. (+)	INT. (-)
84	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	80.00	80.00
	102	73.71	73.71
	108	65.00	65.00
	114	65.00	65.00
	120	65.00	65.00
	126	65.00	65.00
90	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	80.00	80.00
	102	69.51	69.51
	108	65.00	65.00
	114	65.00	65.00
	120	65.00	65.00
96	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	80.00	80.00
	102	65.00	65.00
	108	65.00	65.00
	114	65.00	65.00
102	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	65.00	65.00
	102	65.00	65.00
108	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	65.00	65.00
	96	65.00	65.00
	102	65.00	65.00
	108	65.00	65.00
	114	65.00	65.00
	120	65.00	65.00
	126	65.00	65.00



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

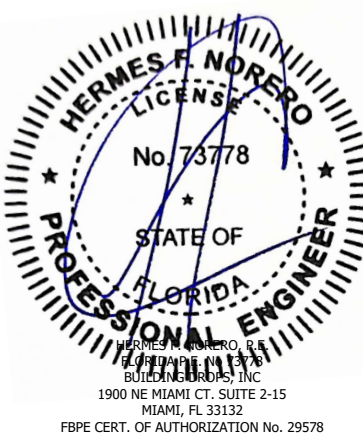
TITLE: OUTSWING WOOD DOUBLE AND SINGLE DOOR (HVHZ) (IMPACT) ELEVATION

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

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FL #: FL47485

DATE: 04.23.2025

DWG. BY: JR
CHK. BY: HFN

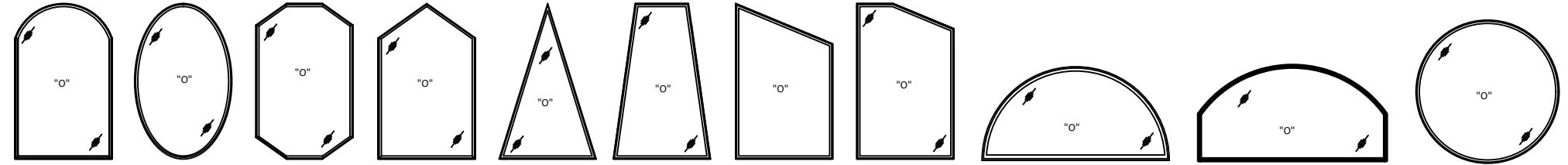
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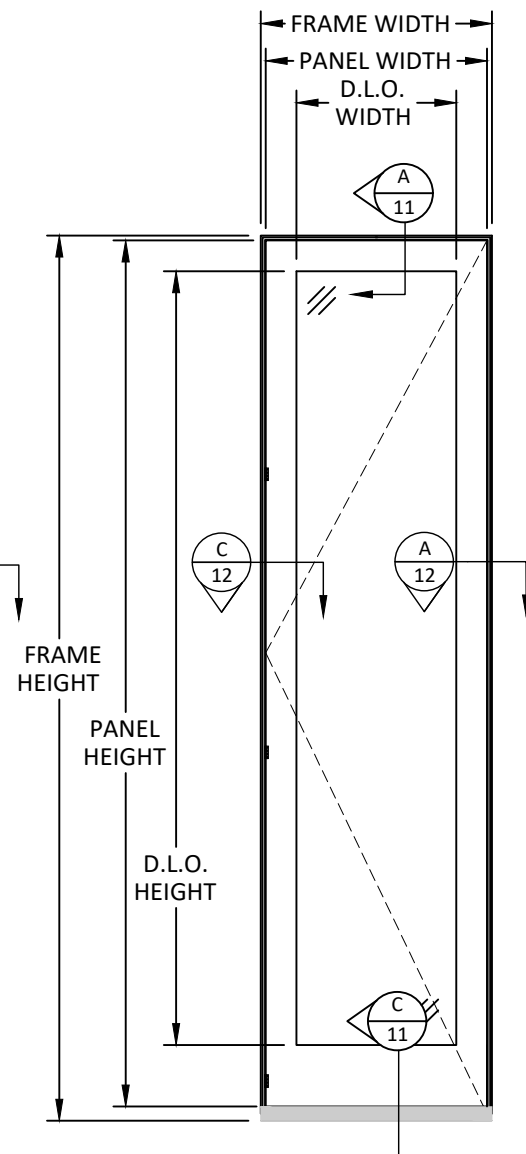
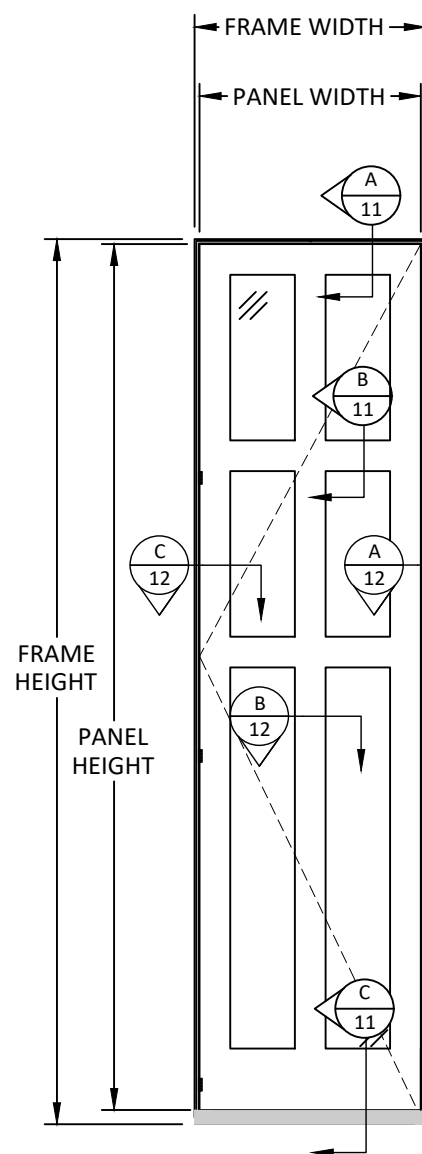
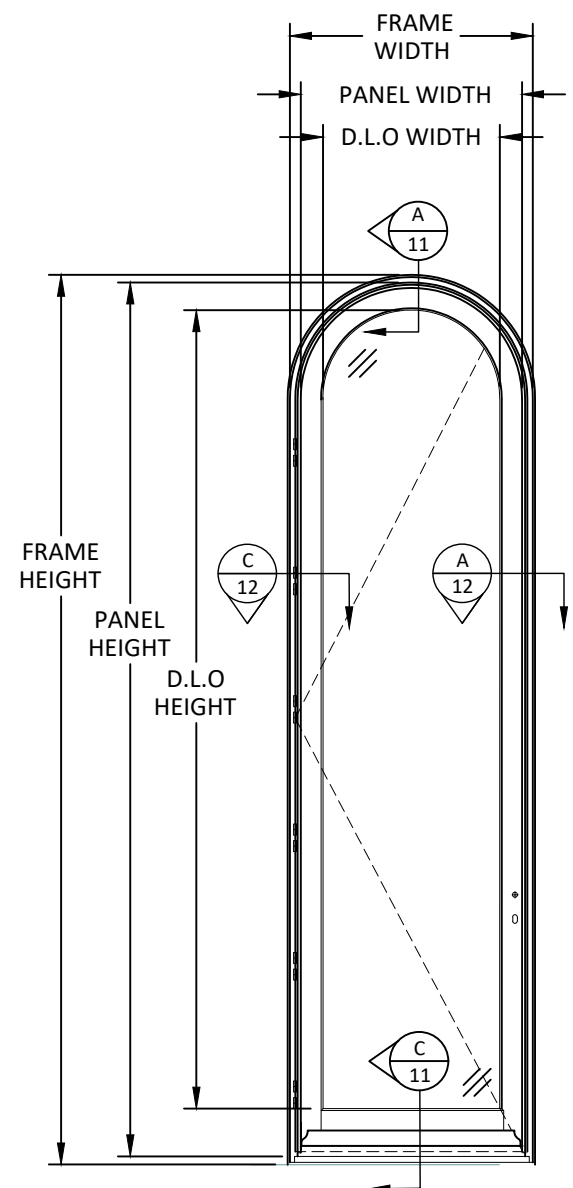
DWG. #: OVM004

SHEET: 4

QUALIFIED SHAPES

NOTE: TYPICAL SHAPES SHOWN. ANY SHAPE IS QUALIFIED. INSCRIBED SHAPE IS LIMITED TO THE RECTANGLE MAX. WIDTH AND HEIGHT IN DP TABLES ON SHEET 4.





DESIGN PRESSURE CHART (PSF)			
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)	EXT. (+)	INT. (-)
36	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	80.00	80.00
	102	80.00	80.00
	108	73.87	73.87
	114	65.00	65.00
	120	65.00	65.00
	126	65.00	65.00
	132	65.00	65.00
39.8125	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	80.00	80.00
	102	79.62	79.62
	108	66.97	66.97
	114	65.00	65.00
	120	65.00	65.00
	126	65.00	65.00
	132	65.00	65.00
42	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	80.00	80.00
	102	75.61	75.61
	108	65.00	65.00
	114	65.00	65.00
	120	65.00	65.00
	126	65.00	65.00
	132	65.00	65.00

DESIGN PRESSURE CHART (PSF)			
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)	EXT. (+)	INT. (-)
45	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	80.00	80.00
	102	70.75	70.75
	108	65.00	65.00
	114	65.00	65.00
	120	65.00	65.00
	126	65.00	65.00
48	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	80.00	80.00
	102	65.00	65.00
	108	65.00	65.00
	114	65.00	65.00
51	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	80.00	80.00
	96	65.00	65.00
	102	65.00	65.00
	108	65.00	65.00
54	72	80.00	80.00
	78	80.00	80.00
	84	80.00	80.00
	90	65.00	65.00
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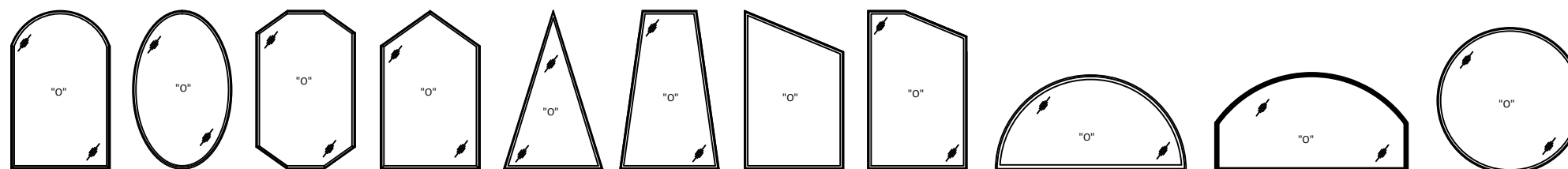
D.L.O. HEIGHT = FRAME HEIGHT - 14.125"
D.L.O. WIDTH = FRAME WIDTH - 10.750"
PANEL HEIGHT = FRAME HEIGHT - 2.625"
PANEL WIDTH = FRAME WIDTH - 1.750"

PANEL HEIGHT = FRAME HEIGHT - 2.625"
PANEL WIDTH = FRAME WIDTH - 1.750"

D.L.O. HEIGHT = FRAME HEIGHT - 14.125"
D.L.O. WIDTH = FRAME WIDTH - 10.750"
PANEL HEIGHT = FRAME HEIGHT - 2.625"
PANEL WIDTH = FRAME WIDTH - 1.750"

QUALIFIED SHAPES

NOTE: TYPICAL SHAPES SHOWN. ANY SHAPE IS QUALIFIED. INSCRIBED SHAPE IS LIMITED TO THE RECTANGLE MAX. WIDTH AND HEIGHT IN DP TABLES ON SHEET 5.



OLIVERI
ARCHITECTURAL
WINDOWS + DOORS

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WEST PALM BEACH, FL 33405
PH#: + (561) 478-7233

TITLE: OUTSWING WOOD DOUBLE
AND SINGLE DOOR
(HVHZ) (IMPACT)
ELEVATION

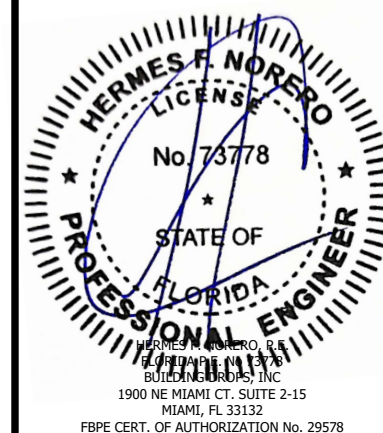
PREPARED BY:


BUILDING DROPS

BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-6478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

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FL #: **FL47485**

DATE: 04.23.2025

DWG. BY: JR	CHK. BY: HFN
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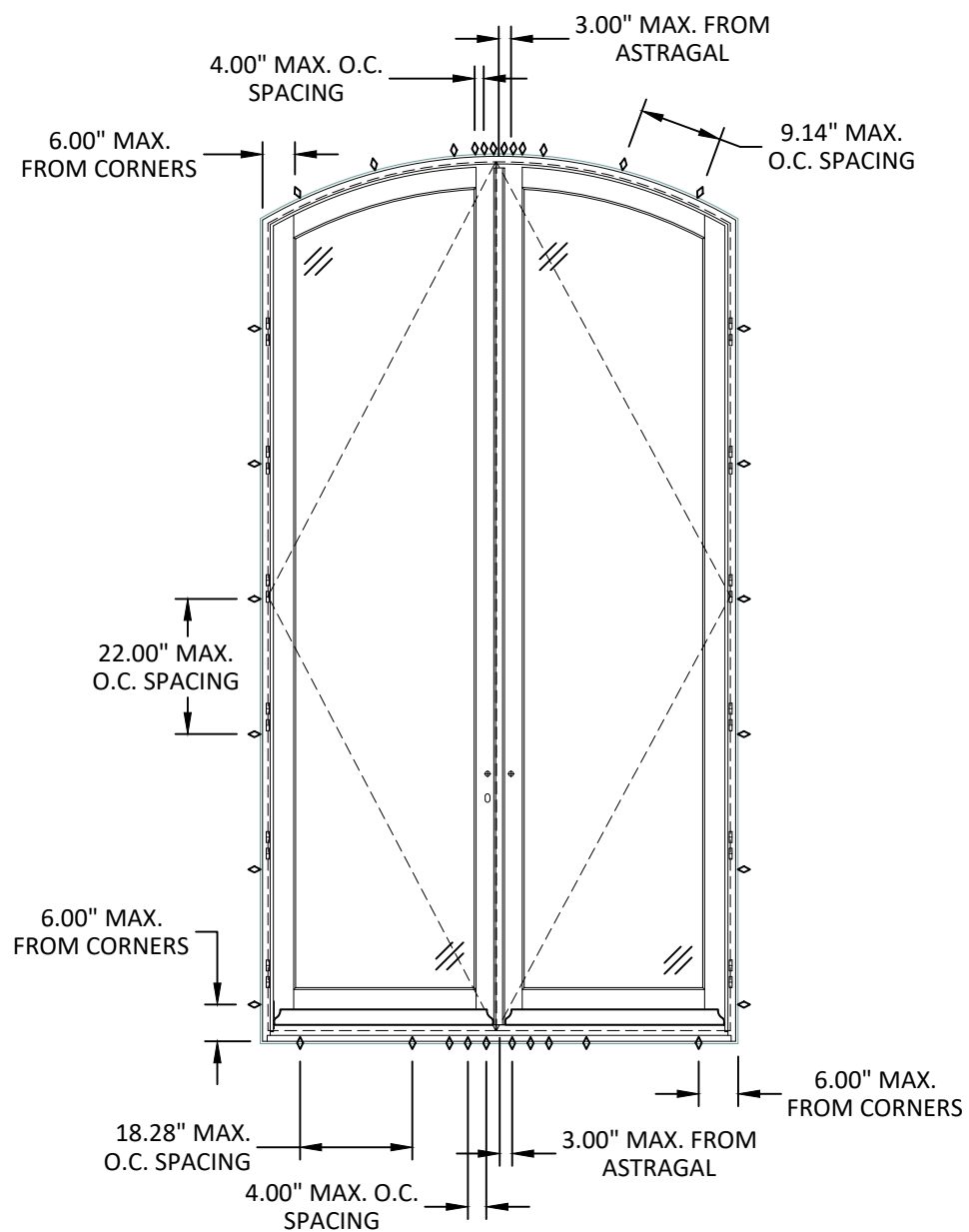
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DWG. #: OVM004

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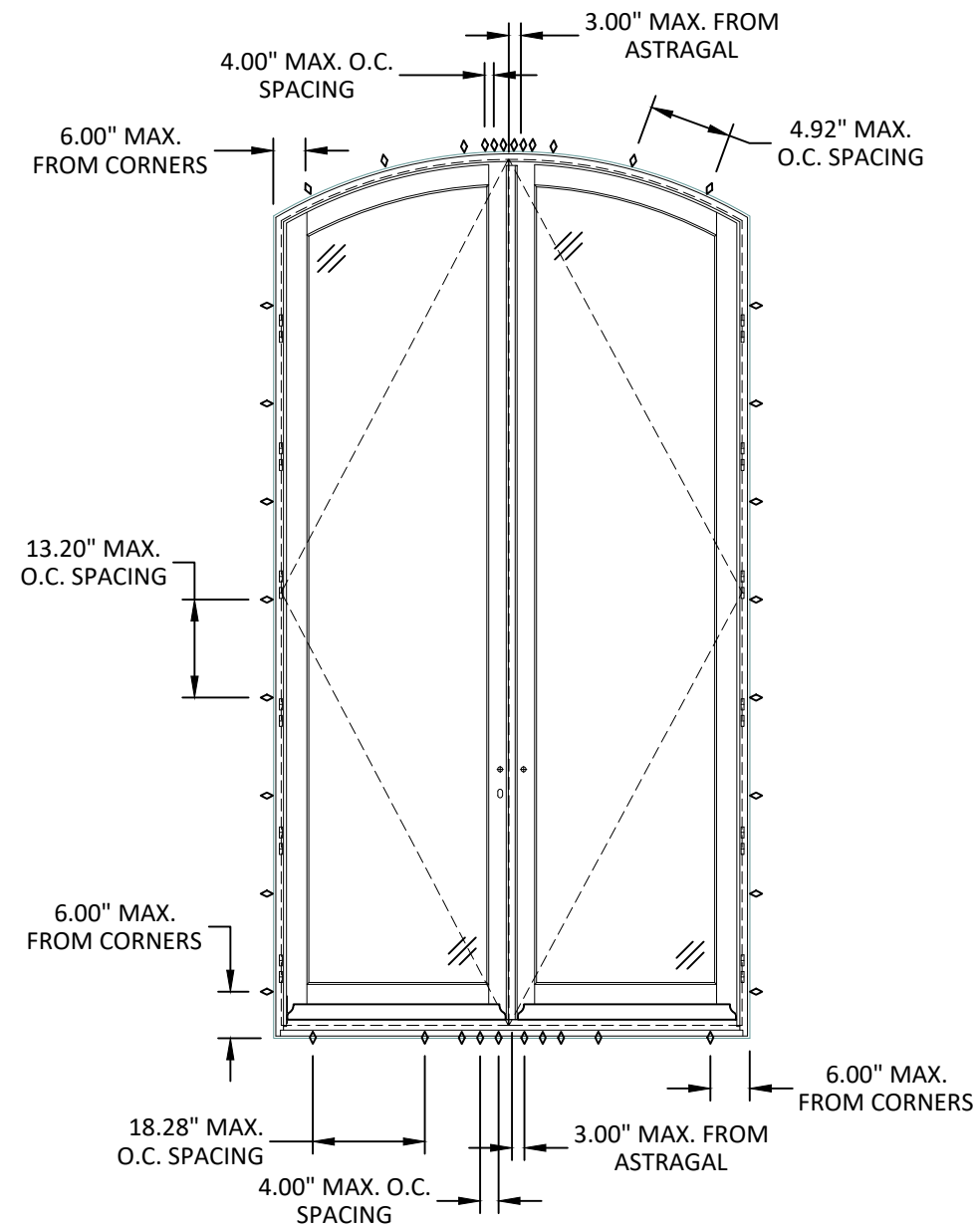
5

OF 19



ANCHOR LAYOUT

THROUGH FRAME / ALUMINUM
ANGLE / HRS12 STRAP INSTALLATION



ANCHOR LAYOUT

16 GA. SIMPSON CS16Z STEEL STRAP /
ALUMINUM ANGLE / Z-CLIP
INSTALLATION

NOTE:
♦ INSTALLATION ANCHOR

TITLE:
**OUTSWING WOOD DOUBLE
AND SINGLE DOOR
(HVHZ) (IMPACT)**
ANCHOR LAYOUT

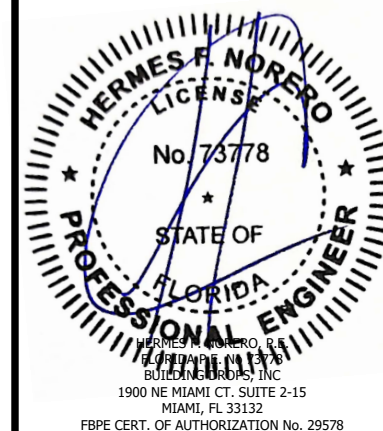
PREPARED BY:


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FL47485

DATE: 04.23.2025

DWG. BY: JR	CHK. BY: HFN
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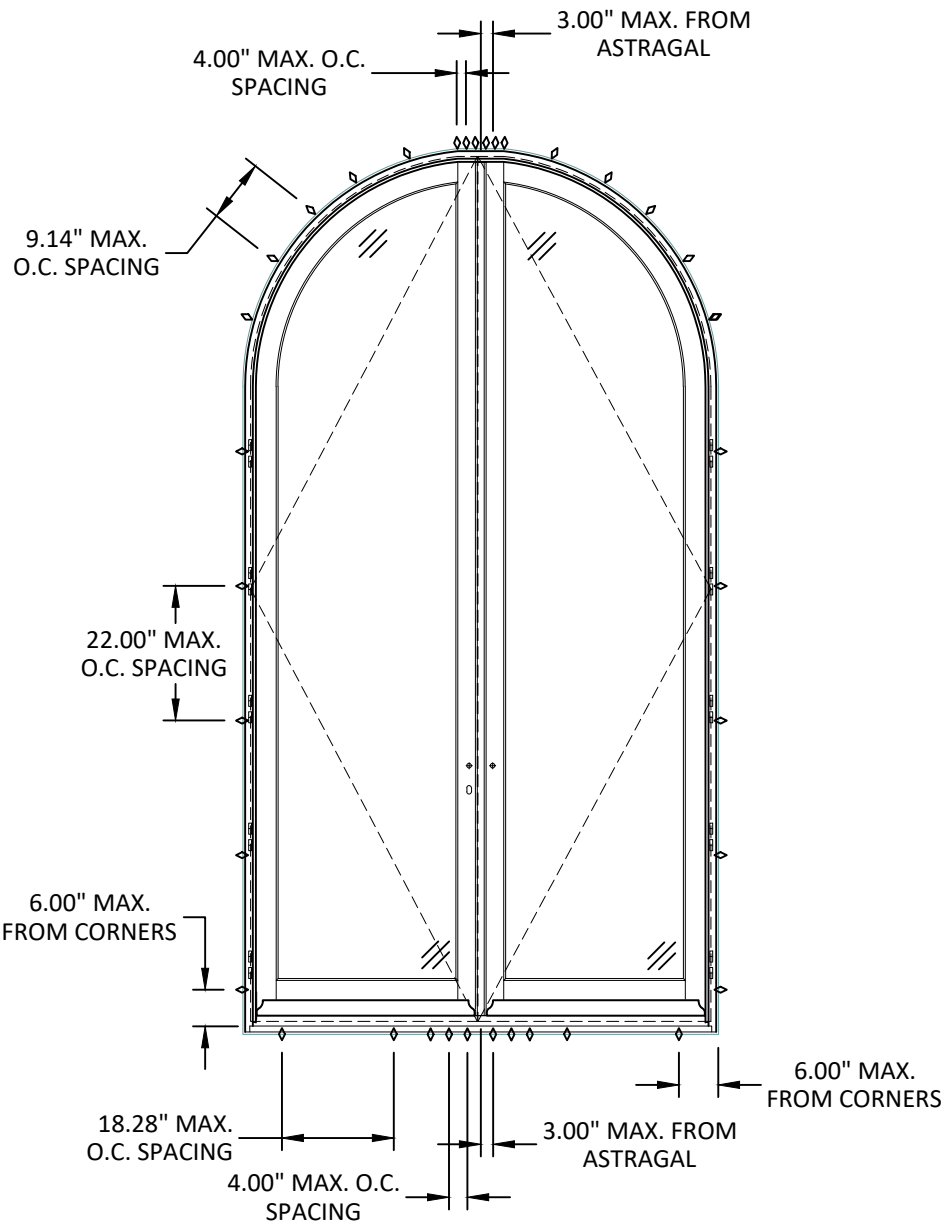
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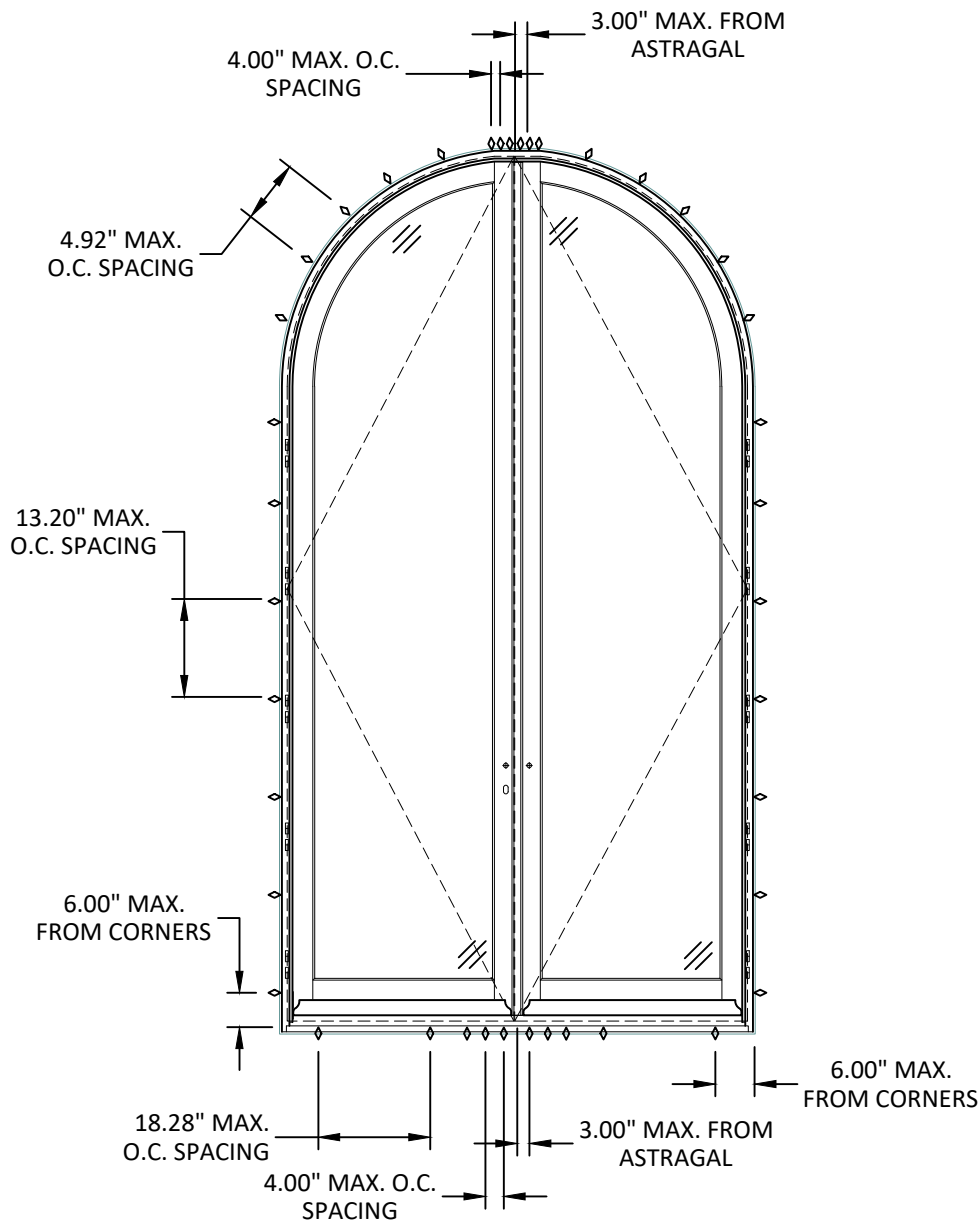
SHEET:

7

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ANCHOR LAYOUT
THROUGH FRAME / ALUMINUM
ANGLE / HRS12 STRAP INSTALLATION



ANCHOR LAYOUT
16 GA. SIMPSON CS16Z STEEL STRAP /
ALUMINUM ANGLE / Z-CLIP
INSTALLATION

NOTE:
◊ INSTALLATION ANCHOR

TITLE:
OUTSWING WOOD DOUBLE
AND SINGLE DOOR
(HVHZ) (IMPACT)
ANCHOR LAYOUT

PREPARED BY:
BUILDING DROPS, INC.
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MIAMI, FL 33132
PH: (954) 399-8478
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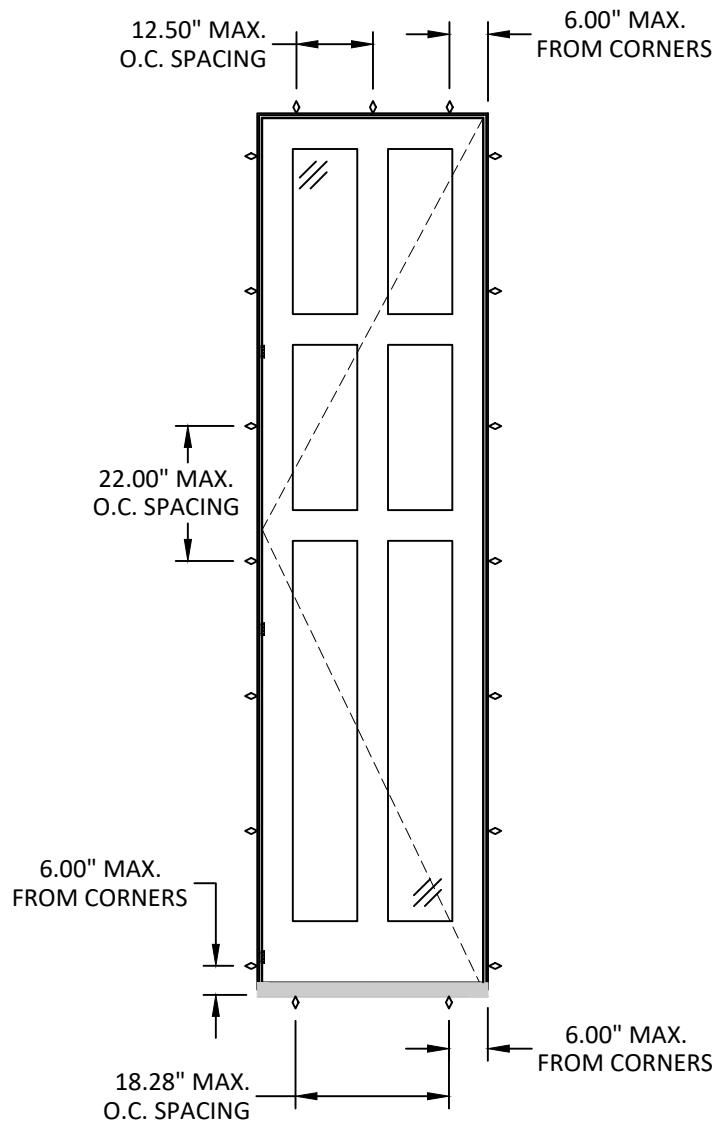
REMARKS	BY	DATE

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SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE
FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED
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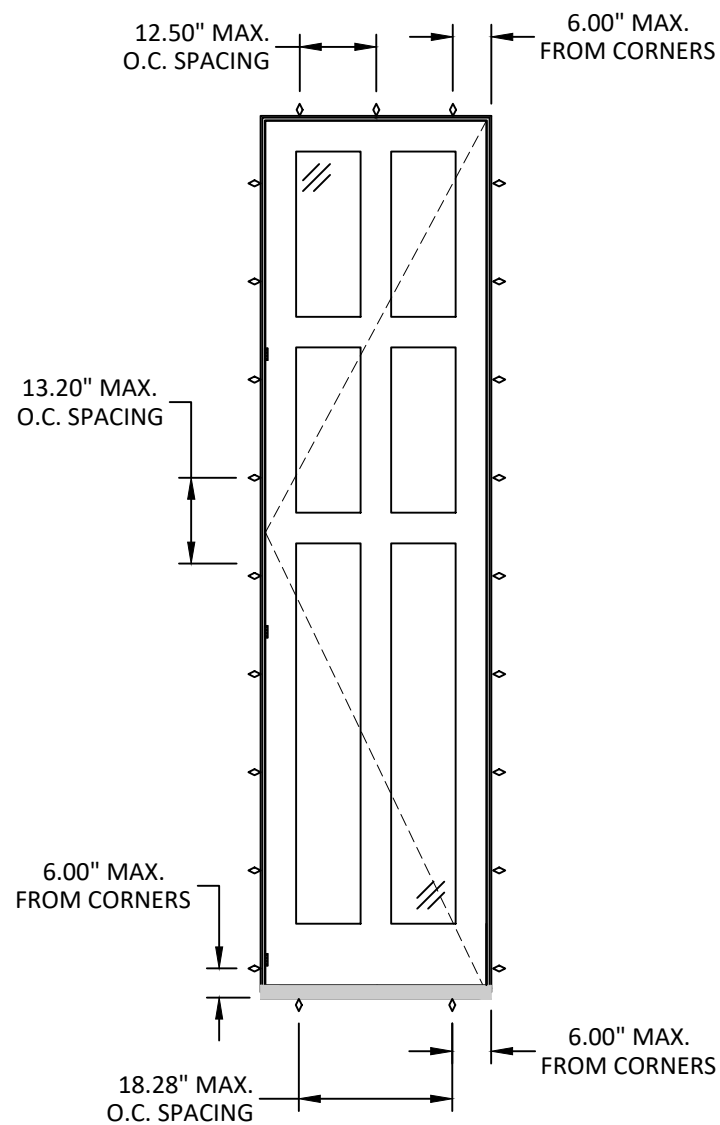
FL #:	FL47485
DATE:	04.23.2025
DWG. BY:	CHK. BY:
JR	HFN
SCALE:	NTS
DWG. #:	OVM004
SHEET:	8
	OF 19

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ANCHOR LAYOUT
THROUGH FRAME / ALUMINUM
ANGLE / HRS12 STRAP INSTALLATION

NOTE:
◊ INSTALLATION ANCHOR



ANCHOR LAYOUT
16 GA. SIMPSON CS16Z STEEL STRAP /
ALUMINUM ANGLE / Z-CLIP
INSTALLATION



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

TITLE:
OUTSWING WOOD DOUBLE
AND SINGLE DOOR
(HVHZ) (IMPACT)
ANCHOR LAYOUT

PREPARED BY:
BUILDING DROPS, INC.
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MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
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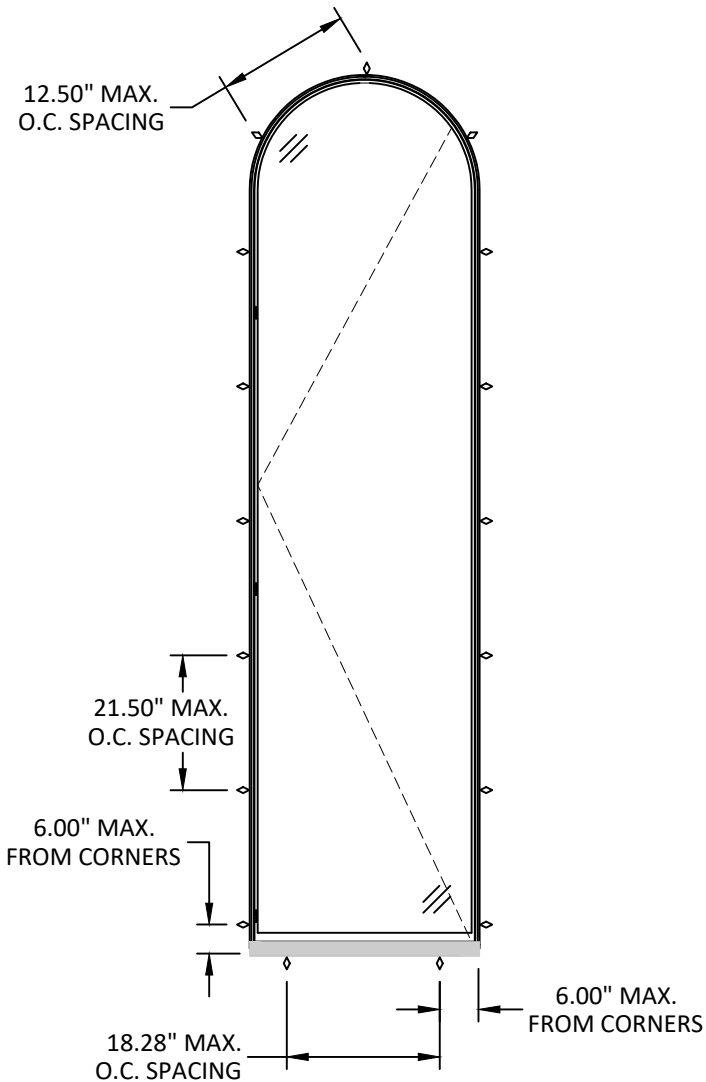
REMARKS	BY	DATE

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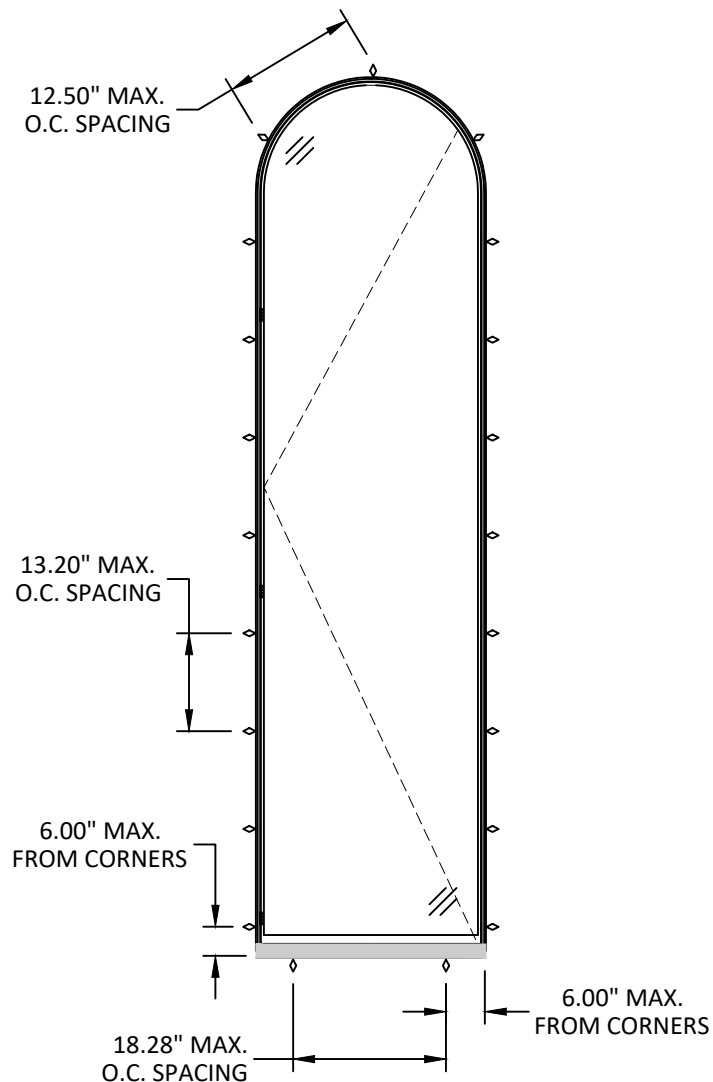
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DATE:	04.23.2025
DWG. BY:	CHK. BY:
JR	HFN
SCALE:	NTS
DWG. #:	OVM004
SHEET:	9

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ANCHOR LAYOUT
THROUGH FRAME / ALUMINUM
ANGLE / HRS12 STRAP INSTALLATION

NOTE:
◊ INSTALLATION ANCHOR



ANCHOR LAYOUT
16 GA. SIMPSON CS16Z STEEL STRAP /
ALUMINUM ANGLE / Z-CLIP
INSTALLATION



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WEST PALM BEACH, FL 33405
PH#: + (561) 478-7233

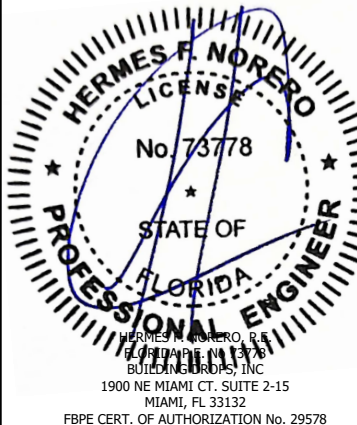
TITLE:
OUTSWING WOOD DOUBLE
AND SINGLE DOOR
(HVHZ) (IMPACT)
ANCHOR LAYOUT

PREPARED BY:
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REMARKS	BY	DATE

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FL #:
FL47485

DATE: **04.23.2025**

DWG. BY: JR	CHK. BY: HFN
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SCALE: **NTS**

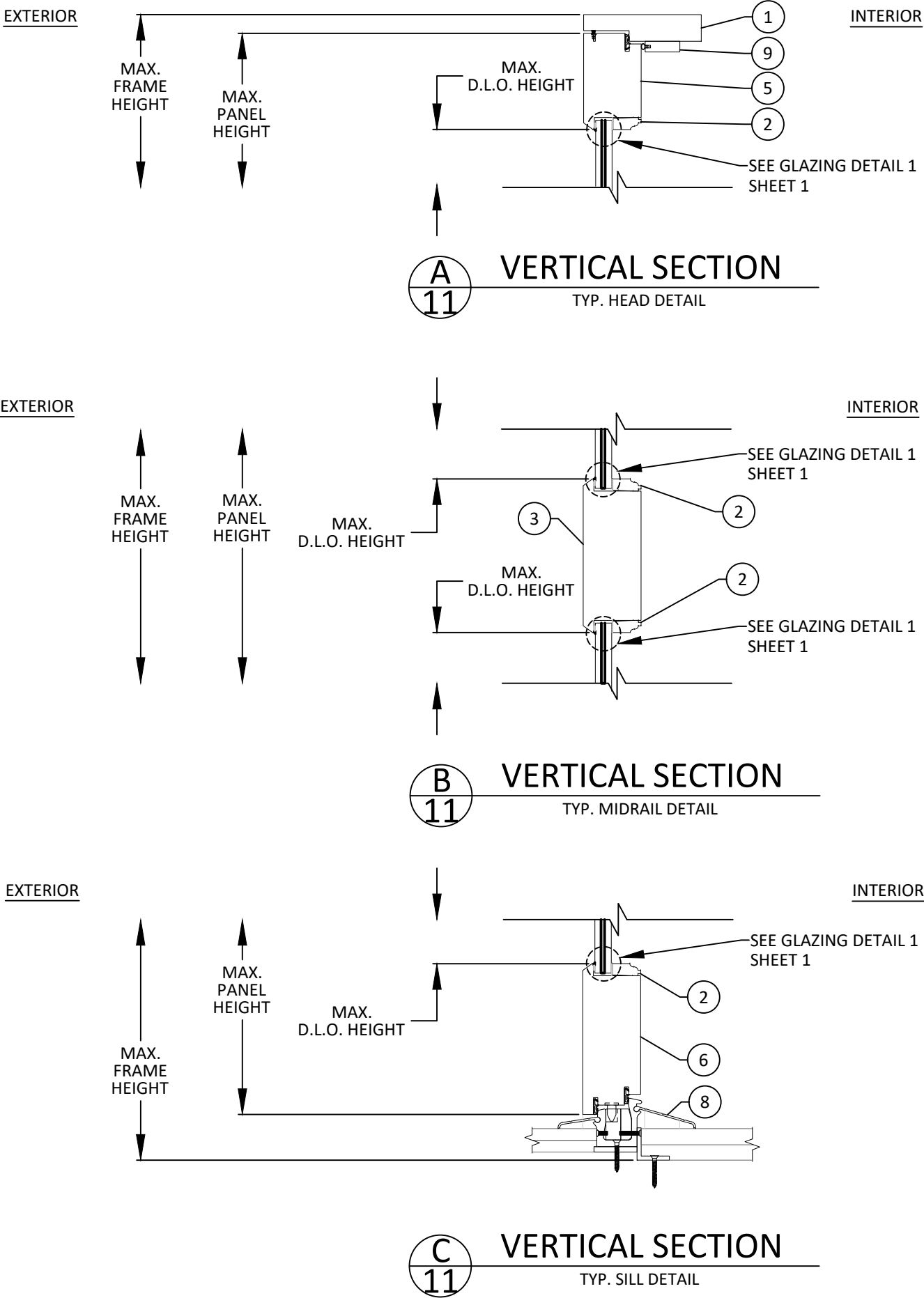
DWG. #: **OVM004**

SHEET:

10

OF 19

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NOTE: INSULATED SHOWN, LAMINATED QUALIFIED



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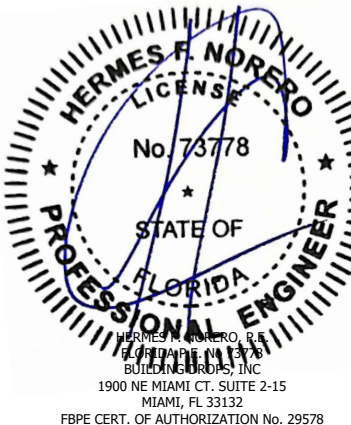
TITLE:
OUTSWING WOOD DOUBLE
AND SINGLE DOOR
(HVHZ) (IMPACT)
VERTICAL SECTIONS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
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FL #: **FL47485**

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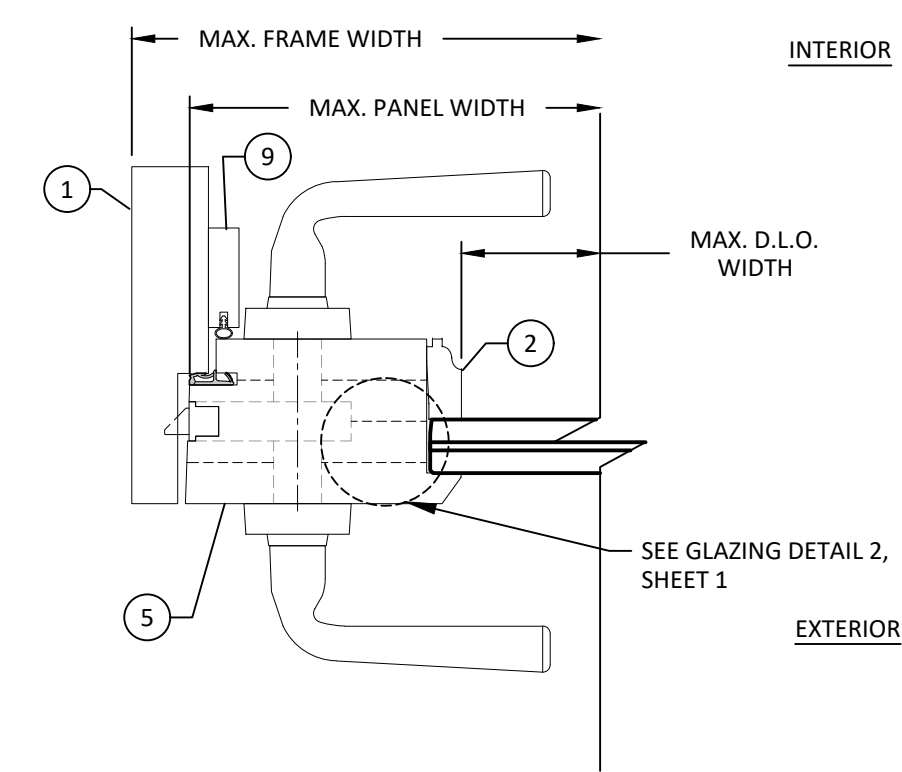
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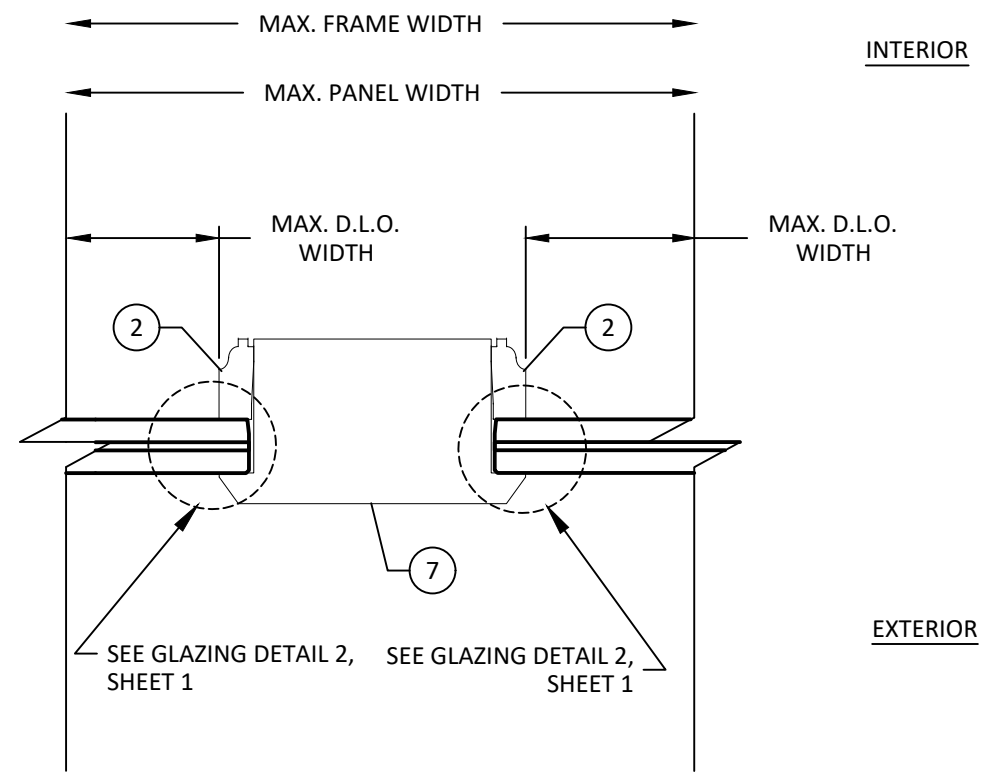
DWG. #: **OVM004**

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11
OF 19

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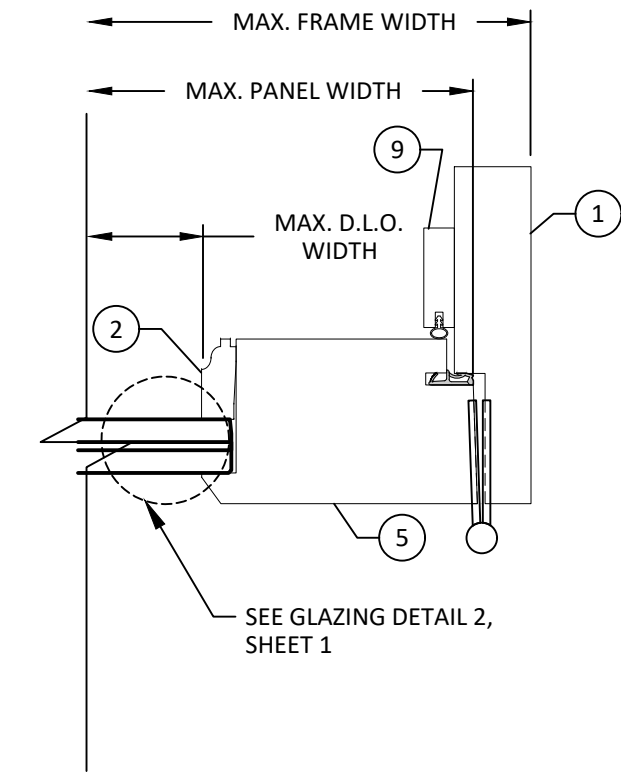


A
12 HORIZONTAL SECTION
TYP. LOCK JAMB DETAIL



B
12 HORIZONTAL SECTION
TYP. MIDRAIL DETAIL

NOTE: INSULATED SHOWN, LAMINATED QUALIFIED



C
12 HORIZONTAL SECTION
TYP. HINGE JAMB DETAIL



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WEST PALM BEACH, FL 33405
PH#: + (561) 478-7233

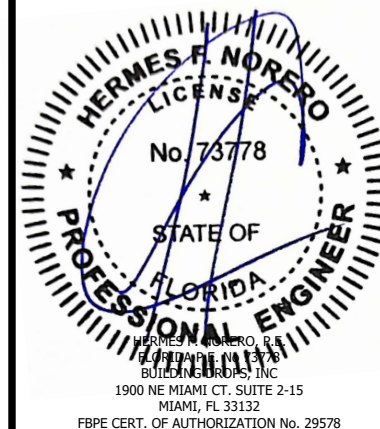
TITLE:
OUTSWING WOOD DOUBLE
AND SINGLE DOOR
(HVHZ) (IMPACT)
HORIZONTAL SECTIONS

PREPARED BY:
BUILDING DROPS, INC.
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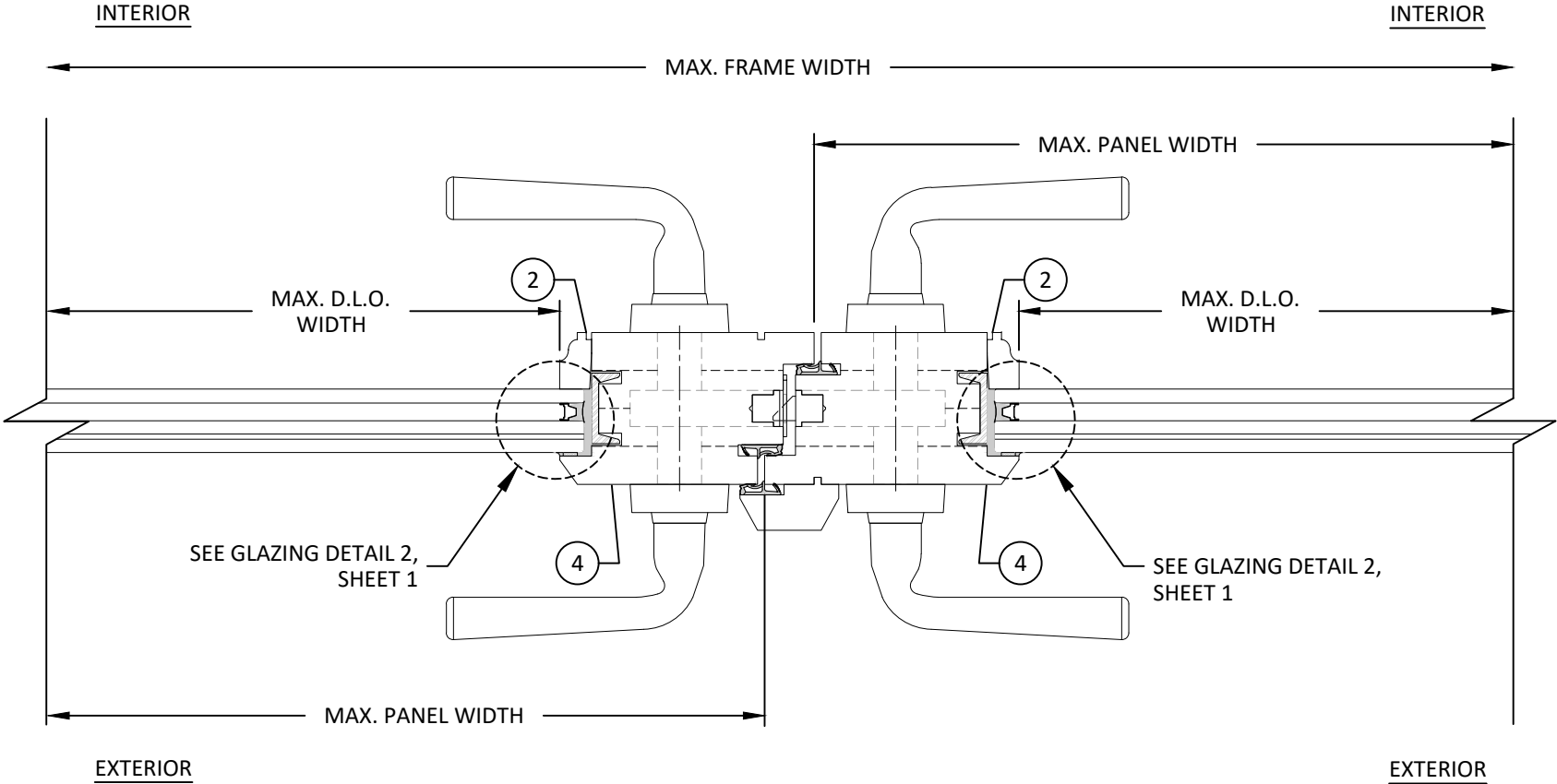
REMARKS	BY	DATE

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FL #:	
FL47485	
DATE: 04.23.2025	
DWG. BY: JR	CHK. BY: HFN
SCALE: NTS	
DWG. #: OVM004	
SHEET:	
12	
OF 19	

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A
13

HORIZONTAL SECTION
TYP. ASTRAGAL DETAIL

NOTE: INSULATED SHOWN, LAMINATED QUALIFIED



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WEST PALM BEACH, FL 33405
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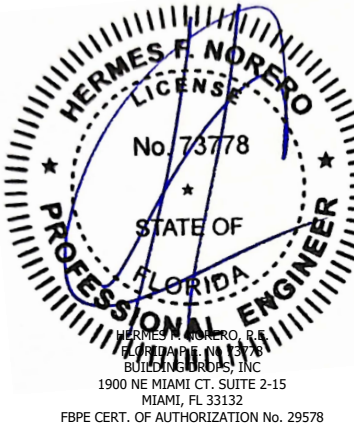
TITLE:
OUTSWING WOOD DOUBLE
AND SINGLE DOOR
(HVHZ) (IMPACT)
HORIZONTAL SECTIONS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
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REMARKS	BY	DATE

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FL #:
FL47485

DATE: **04.23.2025**

DWG. BY: **JR** CHK. BY: **HFN**

SCALE: **NTS**

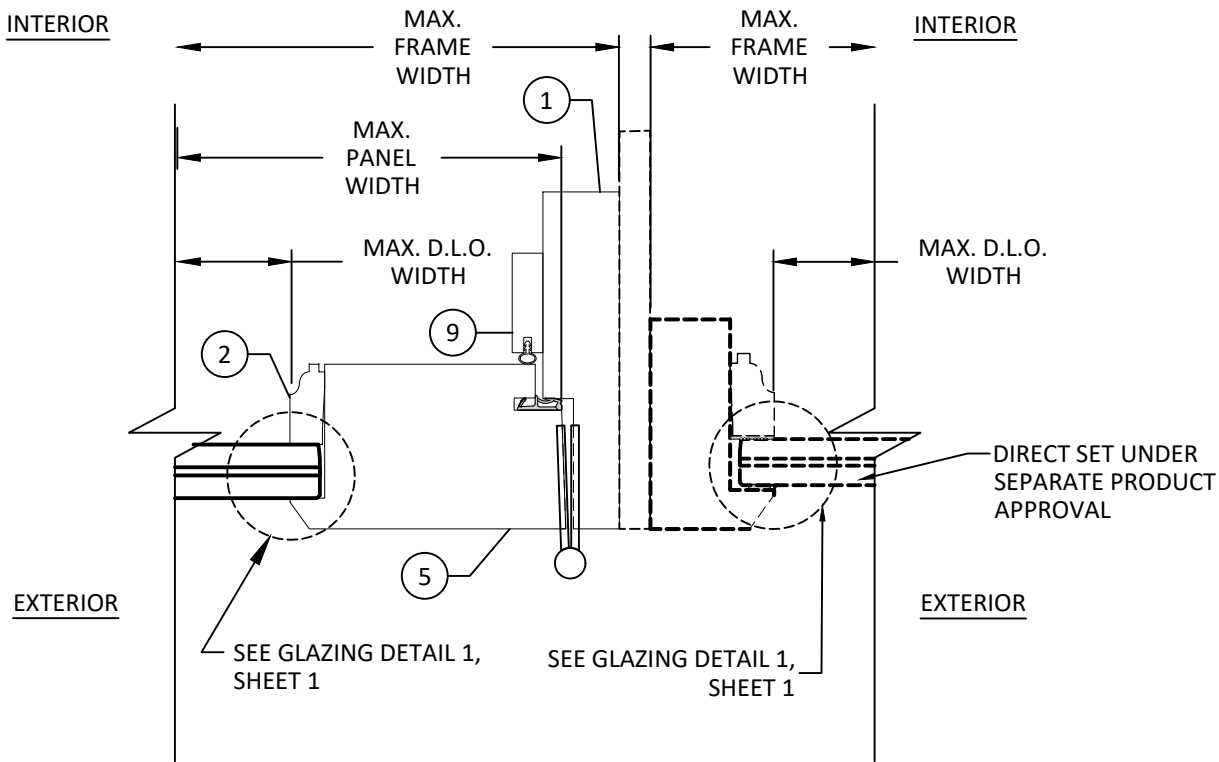
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SHEET:

13

OF 19

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A HORIZONTAL SECTION
14 TYP. STEEL PLATE REINF. MULLION DETAIL

NOTE: MULLION AND SIDELITE UNDER SEPARATE APPROVAL



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PH#: + (561) 478-7233

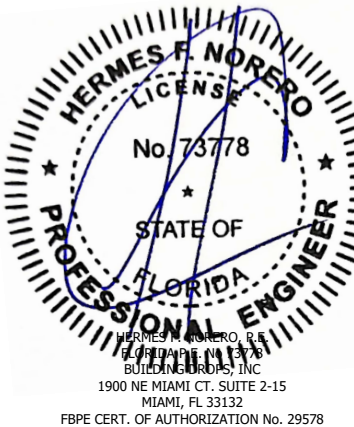
TITLE:
OUTSWING WOOD DOUBLE
AND SINGLE DOOR
(HVHZ) (IMPACT)
HORIZONTAL SECTIONS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT., SUITE 2-15
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REMARKS	BY	DATE

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FL #:
FL47485

DATE: **04.23.2025**

DWG. BY: **JR** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **OVM004**

SHEET:

14

OF 19

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

TITLE: OUTSWING WOOD DOUBLE AND SINGLE DOOR (HVHZ) (IMPACT) VERTICAL SECTIONS

PREPARED BY:

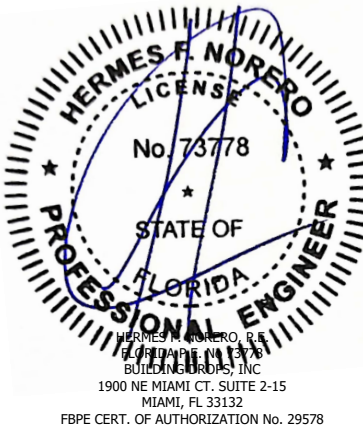
BUILDING DROPS

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

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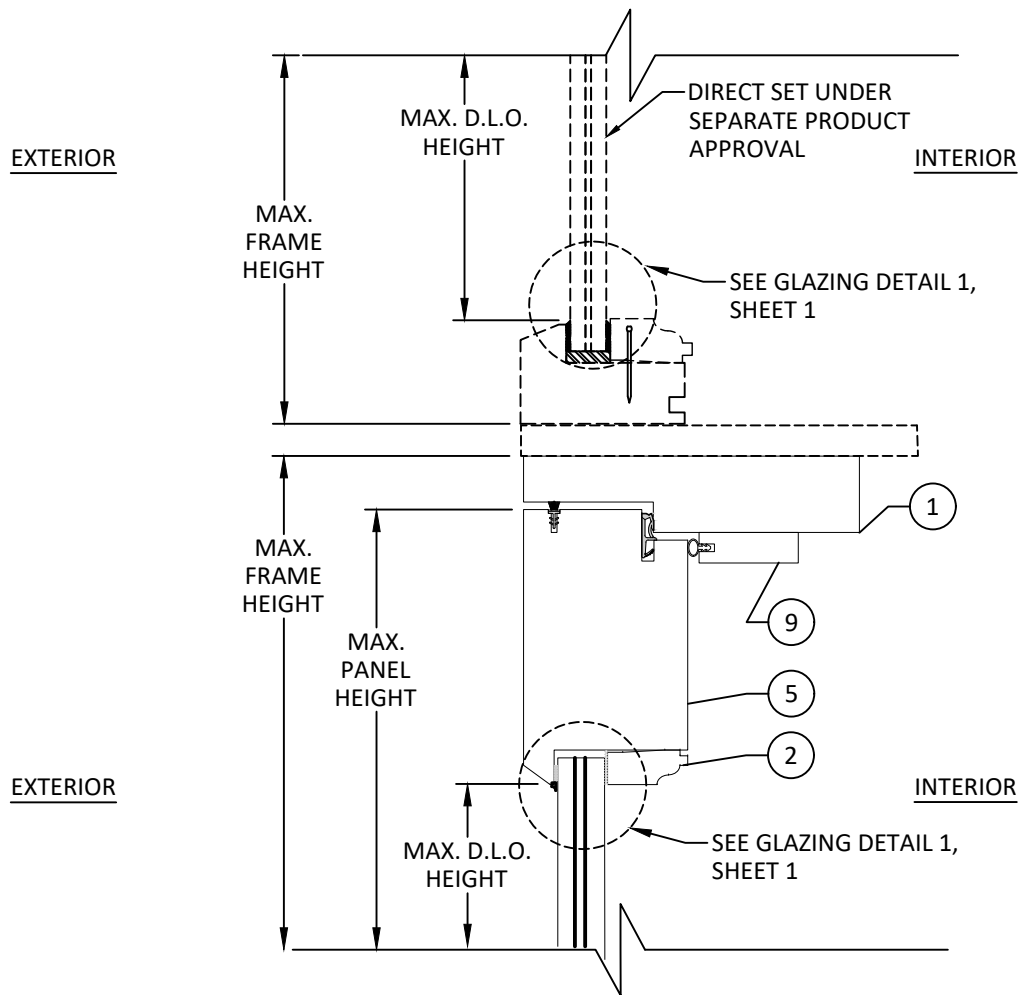
SCALE: **NTS**

DWG. #: OVM004

SHEET:

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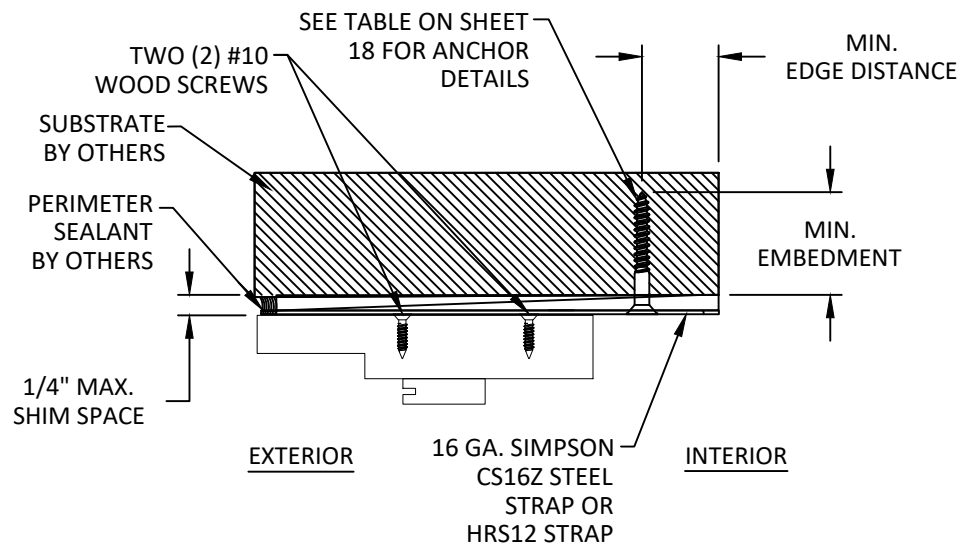


A
15 **VERTICAL SECTION**
TYP. STEEL PLATE REINF. MULLION DETAIL

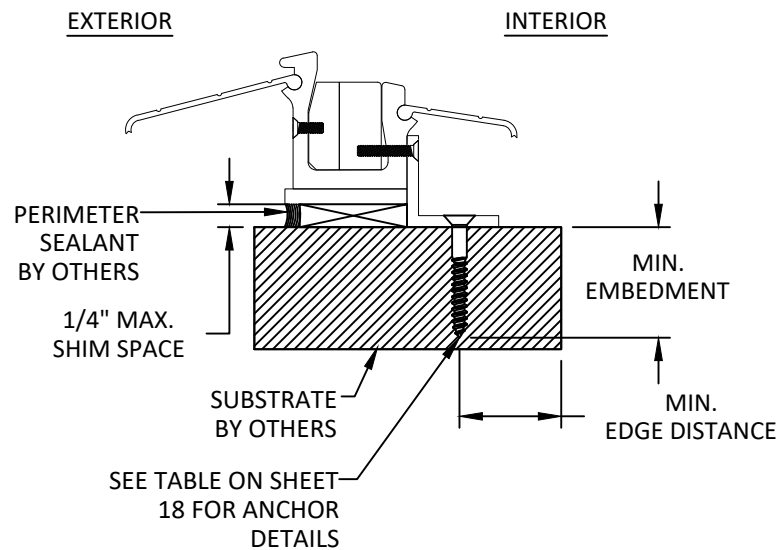
NOTE: TRANSOM AND MULLION UNDER SEPARATE APPROVAL

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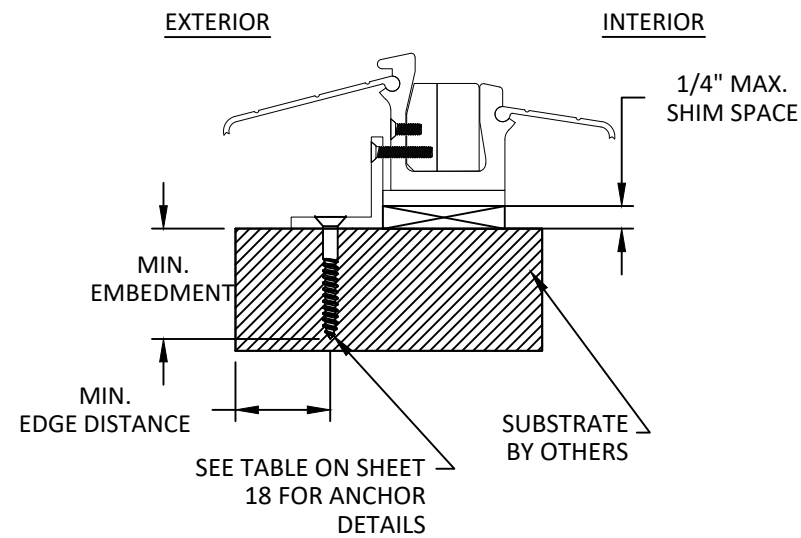
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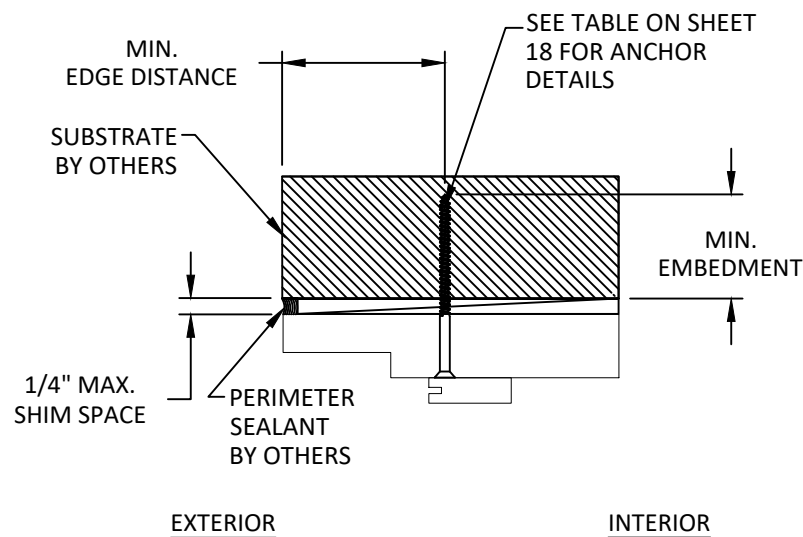
A
16 VERTICAL SECTION
STRAP - HEAD SHOWN, JAMB/SILL SIMILAR



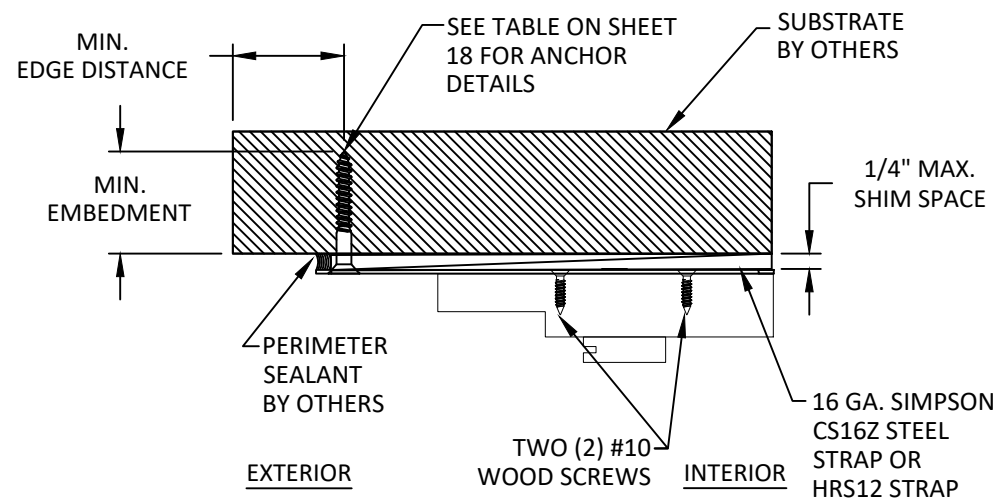
B
16 VERTICAL SECTION
ANGLE - SILL



C
16 VERTICAL SECTION
ANGLE - SILL



D
16 VERTICAL SECTION
THROUGH FRAME - HEAD SHOWN,
JAMB/SILL SIMILAR



E
16 VERTICAL SECTION
STRAP - HEAD SHOWN, JAMB/SILL SIMILAR

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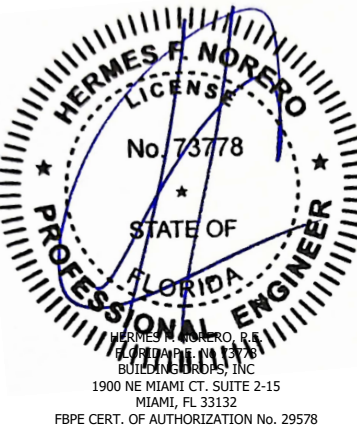
TITLE:
OUTSWING WOOD DOUBLE
AND SINGLE DOOR
(HVHZ) (IMPACT)
INSTALLATION NOTES &
ANCHOR SCHEDULE

PREPARED BY:
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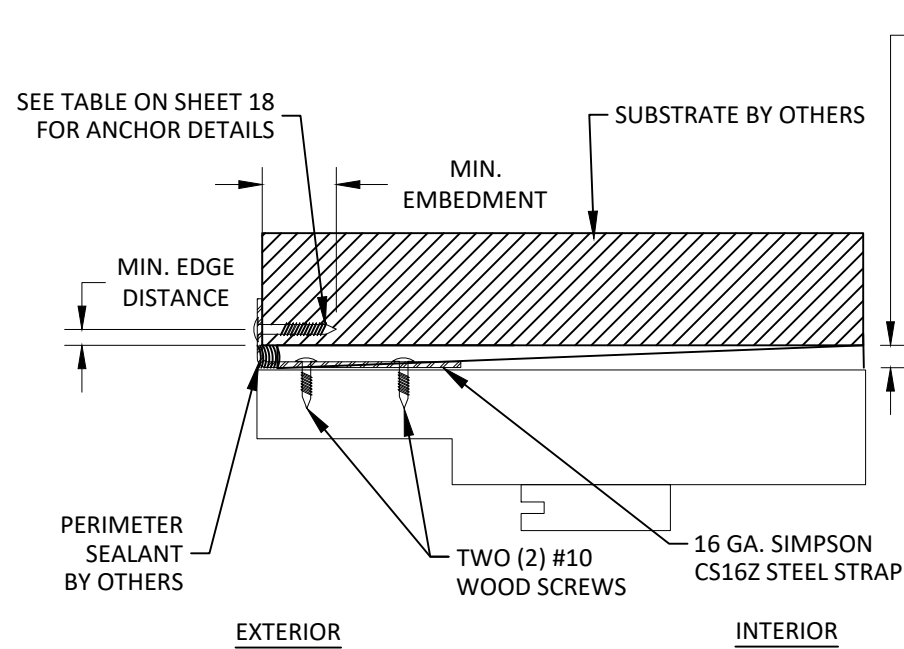
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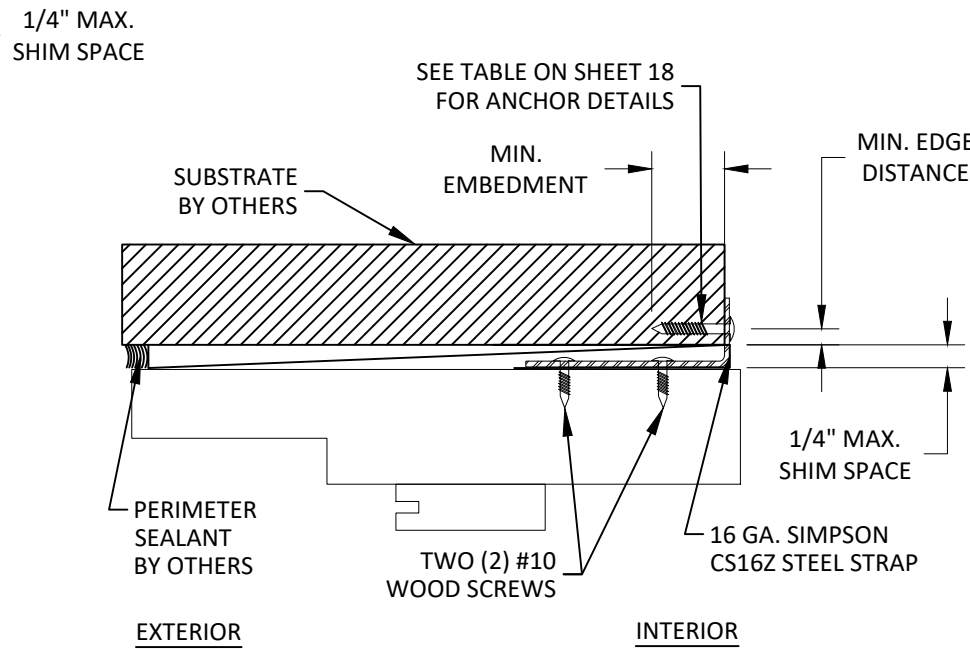


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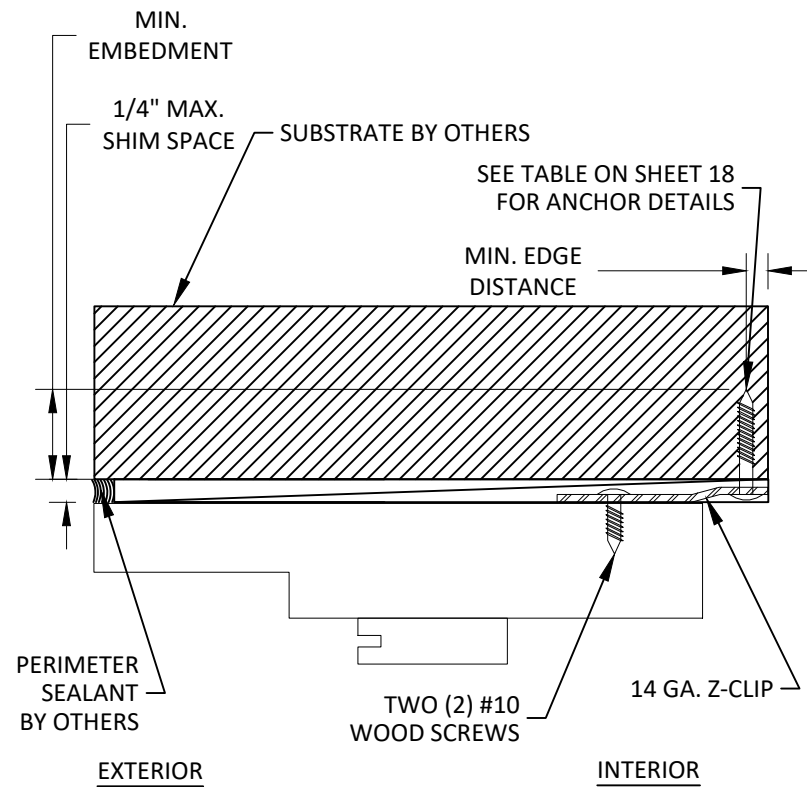
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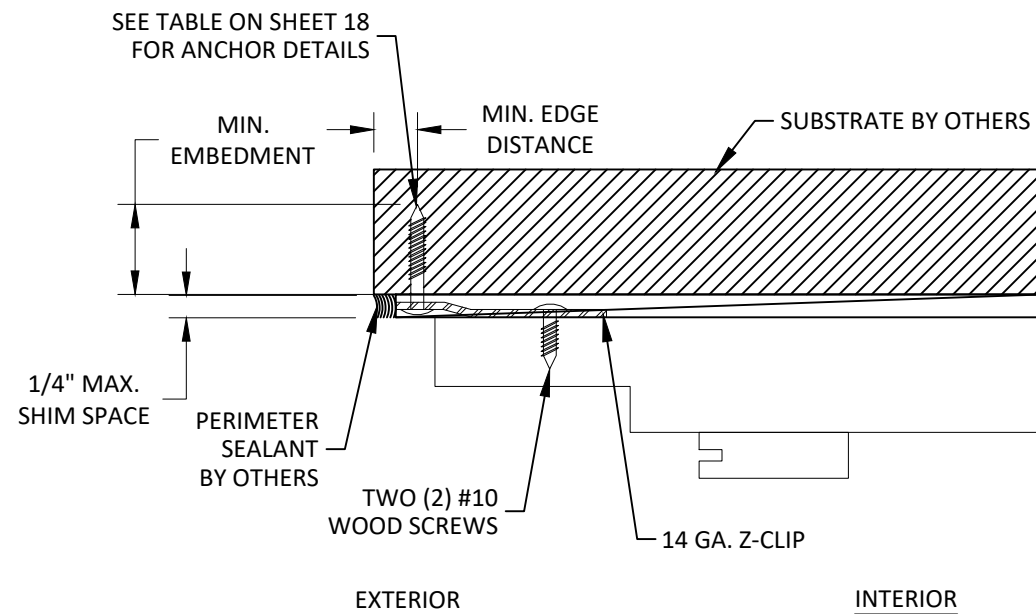
A
17 VERTICAL SECTION
EXTERIOR BENT STRAP - HEAD SHOWN,
JAMB/SILL SIMILAR



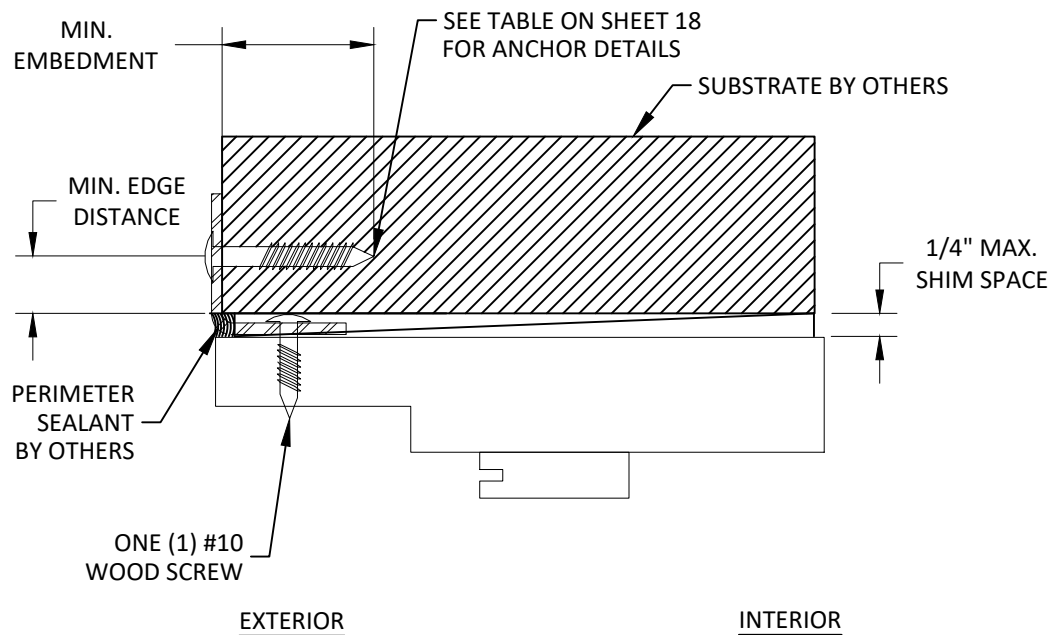
B
17 VERTICAL SECTION
INTERIOR BENT STRAP - HEAD SHOWN,
JAMB/SILL SIMILAR



C
17 VERTICAL SECTION
INTERIOR Z-CLIP - HEAD SHOWN,
JAMB/SILL SIMILAR



D
17 VERTICAL SECTION
EXTERIOR Z-CLIP - HEAD SHOWN,
JAMB/SILL SIMILAR



E
17 VERTICAL SECTION
ANGLE - HEAD SHOWN, JAMB/SILL SIMILAR

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PH#: + (561) 478-7233

TITLE:
OUTSWING WOOD DOUBLE
AND SINGLE DOOR
(HVHZ) (IMPACT)
INSTALLATION NOTES &
ANCHOR SCHEDULE

PREPARED BY:
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1900 NE MIAMI CT., SUITE 2-15
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SHEET:	17

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INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN ON SHEETS 16-17, UNLESS OTHERWISE STATED ON SHEETS 6-10.
- ONE (1) INSTALLATION STRAP IS REQUIRED AT EACH LOCATION SHOWN ON SHEETS 6-10.
- 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 ±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). 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.
- 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.
- 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. S.G. = 0.55	#14 WOOD SCREW	1.50"	0.75"
	CONCRETE (MIN. f'c = 3000 PSI) OR CMU (PER ASTM C90) (MIN. f'c = 2000 PSI)	1/4" ITW TAPCON	1.00"	2.00"
	STEEL MIN. 18 GA. (MIN. Fy = 36 KSI) ALUM. MIN. 1/8" THK. (MIN. 6063-T5)	1/4" SELF-TAPPING OR SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"
16 GA. SIMPSON CS16Z STEEL STRAP, Z-CLIP, & HRS12 STRAP	WOOD: MIN. S.G. = 0.55	#14 WOOD SCREW	1.50"	0.75"
	CONCRETE (MIN. f'c = 3000 PSI) OR CMU (PER ASTM C90) (MIN. f'c = 2000 PSI)	1/4" ITW TAPCON	1.00"	2.00"
	STEEL MIN. 18 GA. (MIN. Fy = 36 KSI) ALUM. MIN. 1/8" THK. (MIN. 6063-T5)	1/4" SELF-TAPPING OR SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"
ALUMINUM ANGLE	WOOD: MIN. S.G. = 0.55	#14 WOOD SCREW	1.50"	0.75"
	CONCRETE (MIN. f'c = 3000 PSI) OR CMU (PER ASTM C90) (MIN. f'c = 2000 PSI)	1/4" ITW TAPCON	1.00"	2.00"
	STEEL MIN. 18 GA. (MIN. Fy = 36 KSI) ALUM. MIN. 1/8" THK. (MIN. 6063-T5)	1/4" SELF-TAPPING OR SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"



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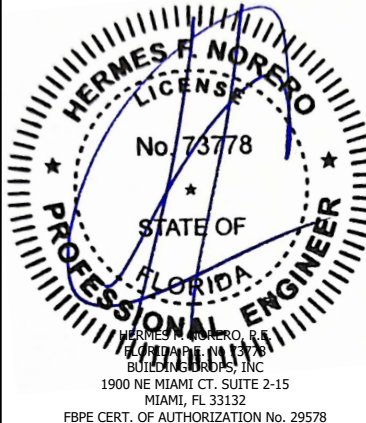
TITLE:
OUTSWING WOOD DOUBLE
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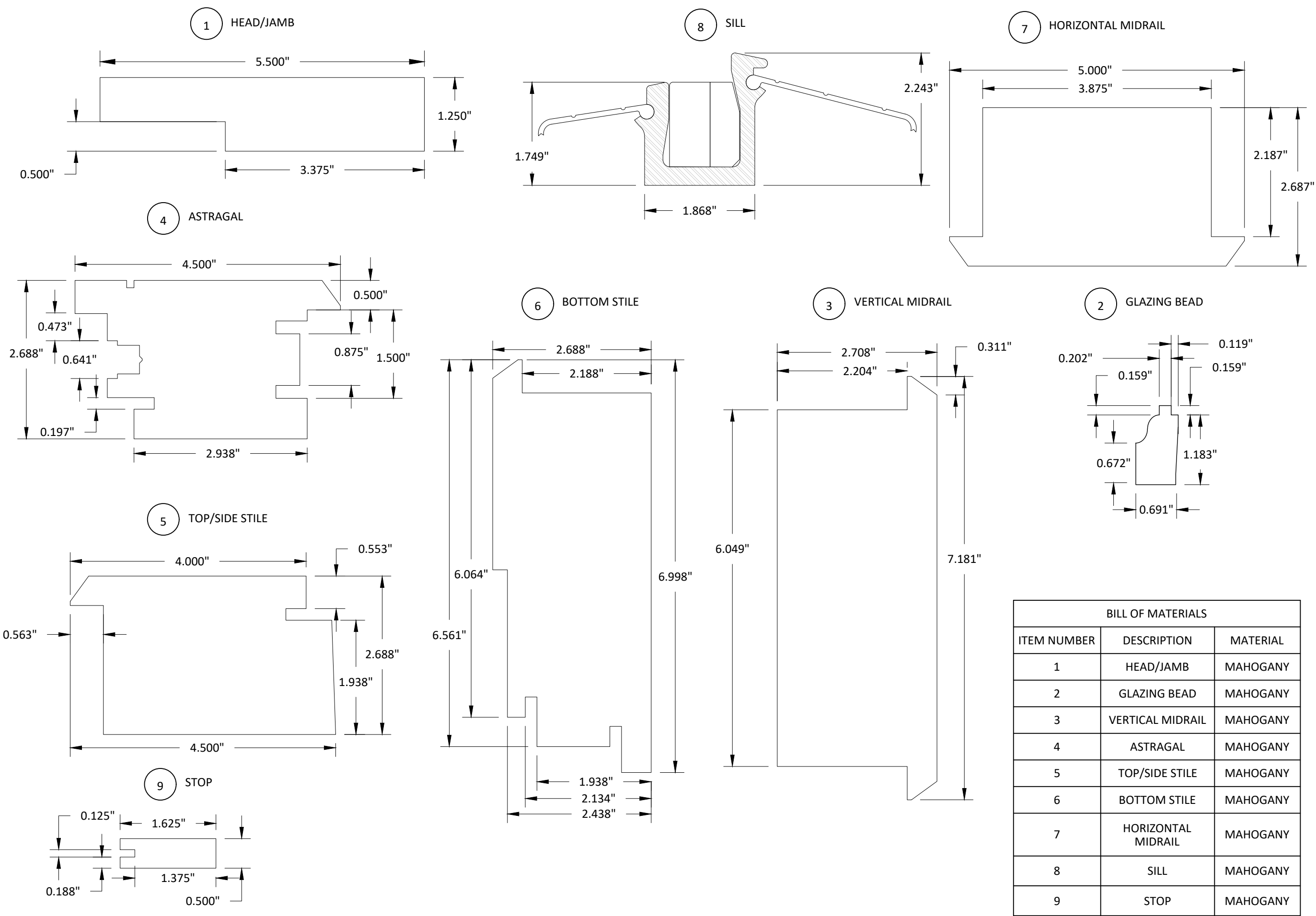
DWG. BY: **JR** | CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **OVM004**

SHEET:
18
OF 19

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BILL OF MATERIALS		
ITEM NUMBER	DESCRIPTION	MATERIAL
1	HEAD/JAMB	MAHOGANY
2	GLAZING BEAD	MAHOGANY
3	VERTICAL MIDRAIL	MAHOGANY
4	ASTRAGAL	MAHOGANY
5	TOP/SIDE STILE	MAHOGANY
6	BOTTOM STILE	MAHOGANY
7	HORIZONTAL MIDRAIL	MAHOGANY
8	SILL	MAHOGANY
9	STOP	MAHOGANY



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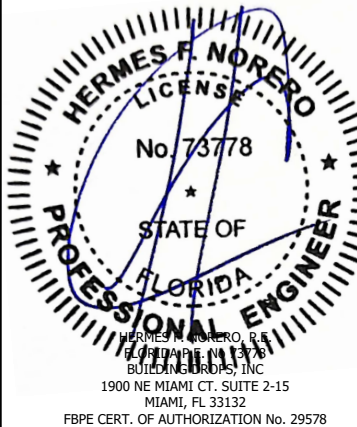
TITLE: OUTSWING WOOD DOUBLE AND SINGLE DOOR (HVHZ) (IMPACT) BILL OF MATERIALS

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