

c:\users\msun\building drops, inc\building drops landing - common\projects\unique custom doors\fbc-21.0826.1 - fbc submittal - entrance ls-cs glazed, opaque, and flush door - hvhz\dwgs\ned002.dwg 12/20/2024 10:03 AM

NEW ERRA DOORS CORP DBA CUSTOM DOOR & MILLWORK

GLAZED DOORS (HVHZ) (IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC) **INCLUDING** HVHZ. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE FOLLOWING:
- AAMA/WDMA/CSA 101/I.S.2/A440-17

ASTM E1886-19

ASTM E1996-20

TAS 201-94

TAS 202-94

TAS 203-94

2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD 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 ±1/4 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.

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** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.

7. FRAME MATERIAL: MAHOGANY (S.G. = 0.42) OR EQUIVALENT.

8. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 11 FOR GLAZING DETAILS.
- | TABLE OF CONTENTS | |
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| 3 | ANCHOR LAYOUTS (SINGLE AND DOUBLE DOOR) |
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| 6 | TYPICAL ELEVATIONS (DOOR WITH TRANSOM) |
| 7 | ANCHOR LAYOUTS (DOOR WITH TRANSOM) |
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| 15 | HORIZONTAL SECTIONS |
| 16 | INSTALLATION DETAILS AND NOTES |
- | FRAME SIZE | DESIGN PRESSURE | IMPACT MISSILE RATING |
|-----------------------|-----------------|------------------------------|
| SEE SHEETS 2, 4, & 10 | | LARGE & SMALL MISSILE IMPACT |
- | DOOR CONFIGURATION | WATER RESISTANCE PRESSURE | MAXIMUM DESIGN PRESSURE | |
|--------------------|---------------------------|-------------------------|--------------------|
| | | WATER REQUIRED | WATER NOT REQUIRED |
| INSWING | 9 PSF | +60/-75 PSF* | +/- 75 PSF |
| OUTSWING | 11.25 PSF | +/- 75 PSF | +/- 75 PSF |
- * FOR INSWING DOORS, WHEN REQUIRED DESIGN PRESSURE EXCEEDS +60 PSF AT LOCATIONS WHERE WATER PENETRATION RESISTANCE IS REQUIRED, THE DOOR SHALL BE PROTECTED BY AN OVERHANG SUCH THAT:
- OVERHANG (OH) RATIO = $\frac{OH\ LENGTH}{OH\ HEIGHT} \geq 1.$
-
-
- 2787 N AIRPORT ROAD #410
FORT MYERS, FL 33907
PH: (239) 340-1229
- TITLE:

GLAZED DOORS (HVHZ) (IMPACT)

GENERAL NOTES & TABLE OF CONTENTS

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
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: 2024.12.20 14:10:54 -0500
- HERMES F. NORERO

LICENSE

No. 73778

STATE OF FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.

FLORIDA P.E. No. 73778

BUILDING DROPS, INC.

1900 NE MIAMI COURT, SUITE 2-15

MIAMI, FL 33132

FBPE CERT. OF AUTHORIZATION No. 29578
- FL #:

FL47210

DATE:

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MS

CHK. BY:

HFN

SCALE:

NTS

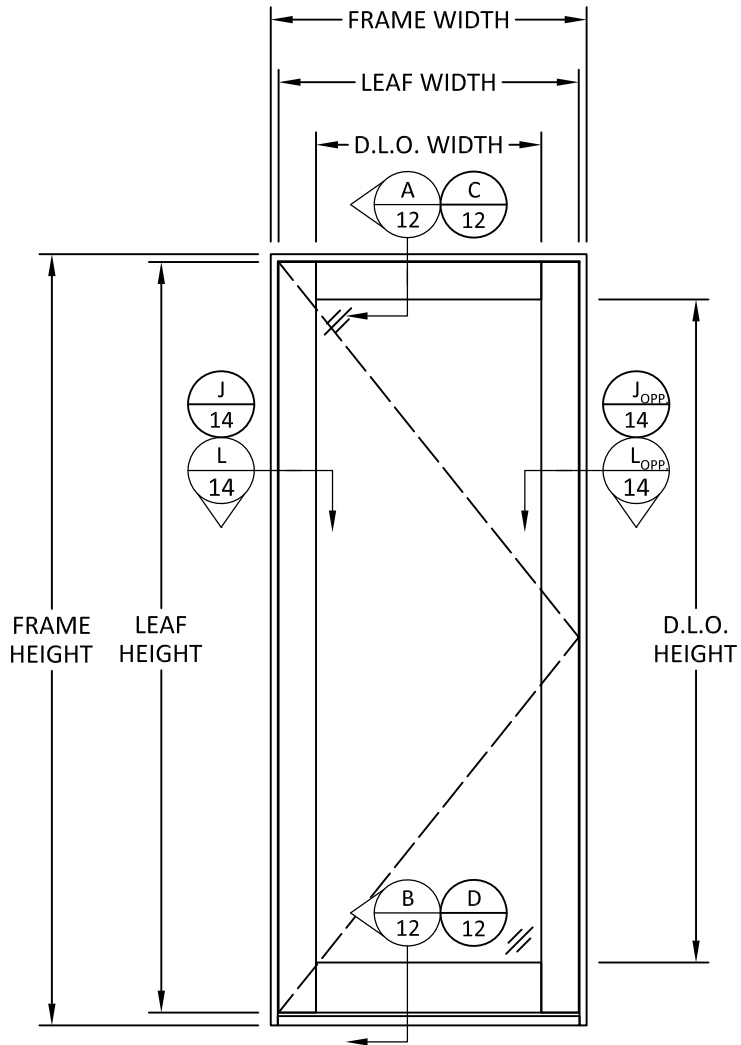
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NED002

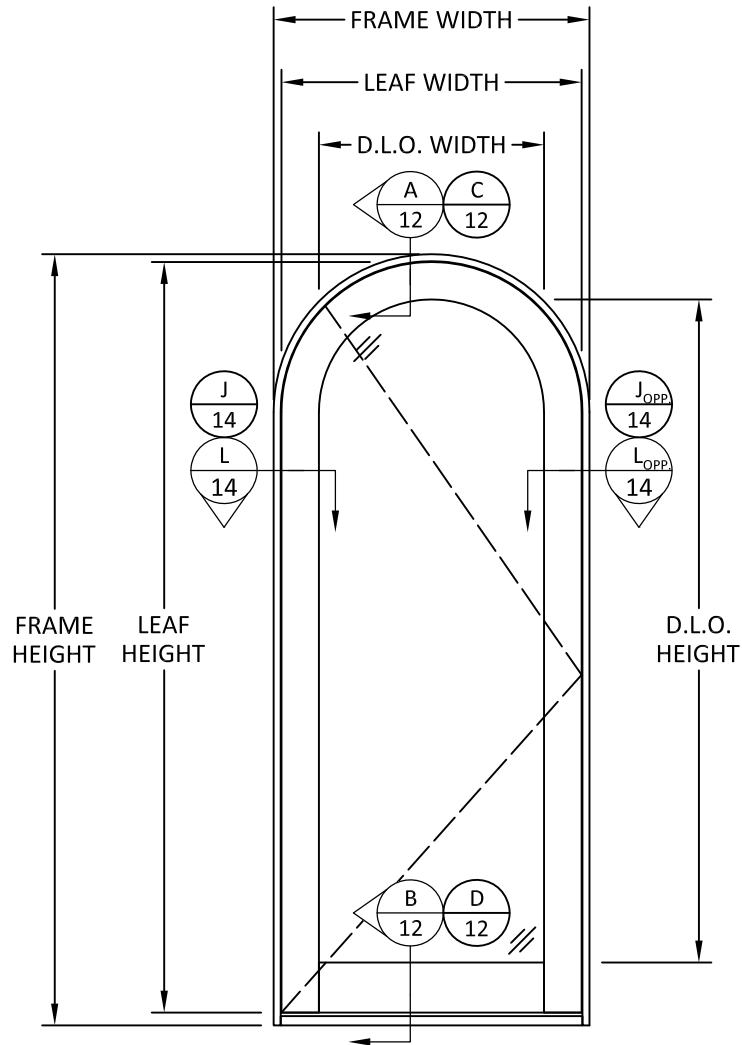
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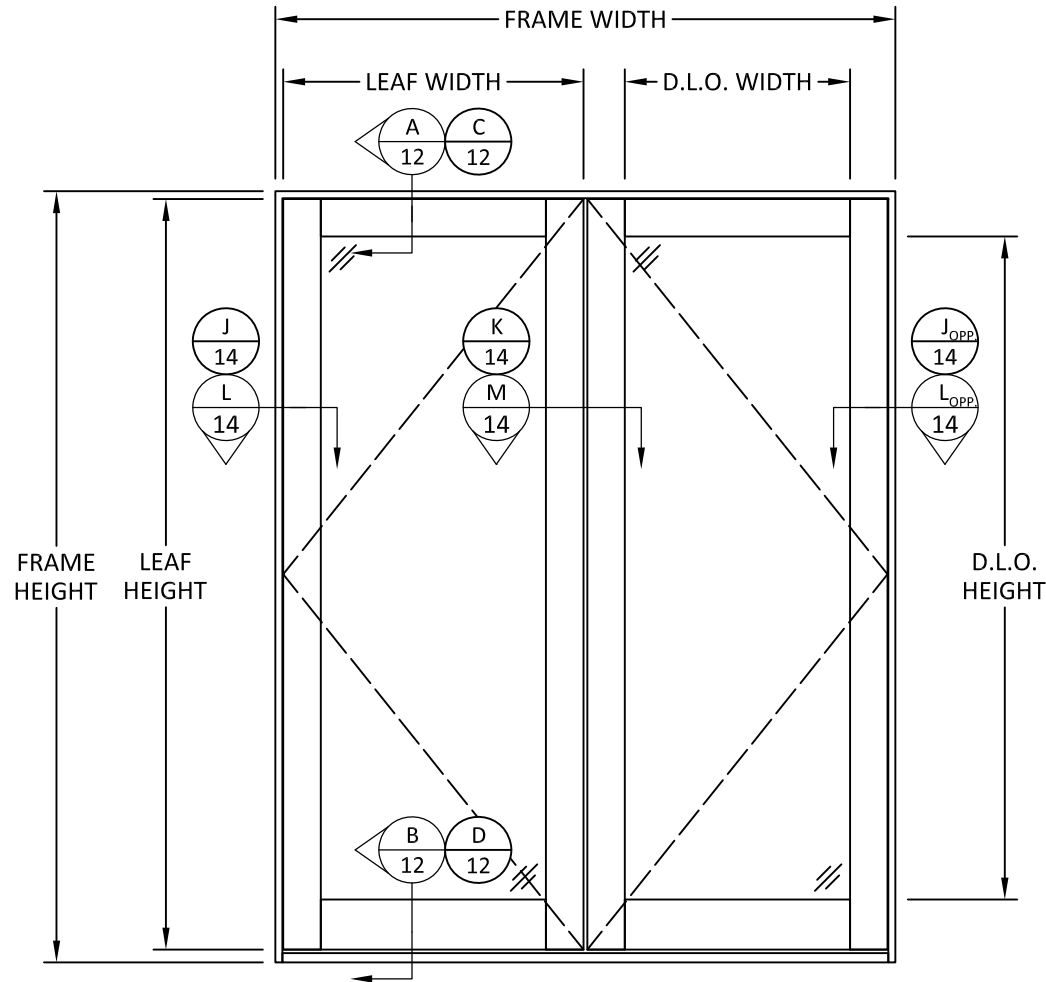
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TYPICAL ELEVATION
SINGLE DOOR



TYPICAL ELEVATION
SINGLE DOOR - ARCH TOP



TYPICAL ELEVATION
DOUBLE DOOR

DESIGN PRESSURE TABLE (PSF) - SINGLE & DOUBLE DOOR								
IS* FRAME HEIGHT (IN.)	LEAF WIDTH (IN.)							
	24	30	36	42	48	54	60	66
80	75.00	75.00	75.00	75.00	75.00	64.29	56.25	50.00
84	75.00	75.00	75.00	75.00	75.00	64.29	56.25	50.00
90	75.00	75.00	75.00	75.00	75.00	64.29	56.25	-
96	75.00	75.00	75.00	75.00	75.00	64.29	56.25	-
102	75.00	75.00	75.00	75.00	75.00	64.29	-	-
108	75.00	75.00	75.00	75.00	75.00	-	-	-
114	75.00	75.00	75.00	75.00	75.00	-	-	-
120	75.00	75.00	75.00	75.00	75.00	-	-	-
123.313	75.00	75.00	75.00	75.00	75.00	-	-	-

* INSWING DOOR FRAME HEIGHT SHOWN, OUTSWING DOOR SEE NOTES AT RIGHT.

FRAME HEIGHT (IS) = LEAF HEIGHT + 3.3125"
FRAME HEIGHT (OS) = LEAF HEIGHT + 2.5625"
D.L.O. WIDTH = LEAF WIDTH - 12"
D.L.O. HEIGHT = LEAF HEIGHT - 14"
FRAME WIDTH (SINGLE) = LEAF WIDTH + 2.5"
FRAME WIDTH (DOUBLE) = 2 * LEAF WIDTH + 3.125"



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FORT MYERS, FL 33907
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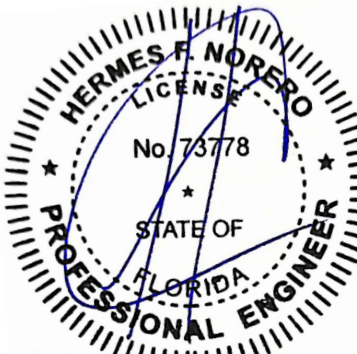
TITLE:
GLAZED DOORS (HVHZ) (IMPACT)
TYPICAL ELEVATIONS & DP TABLE
(SINGLE & DOUBLE DOOR)

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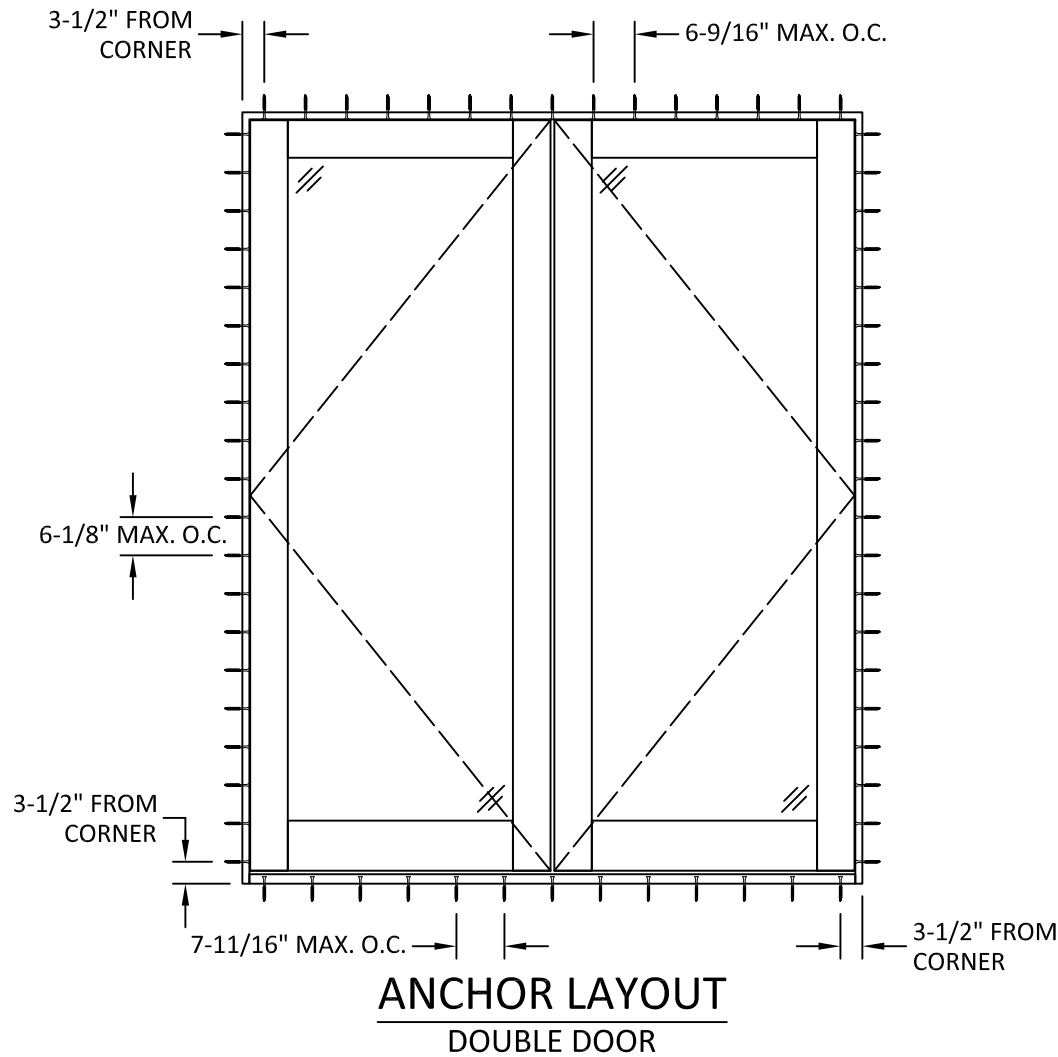
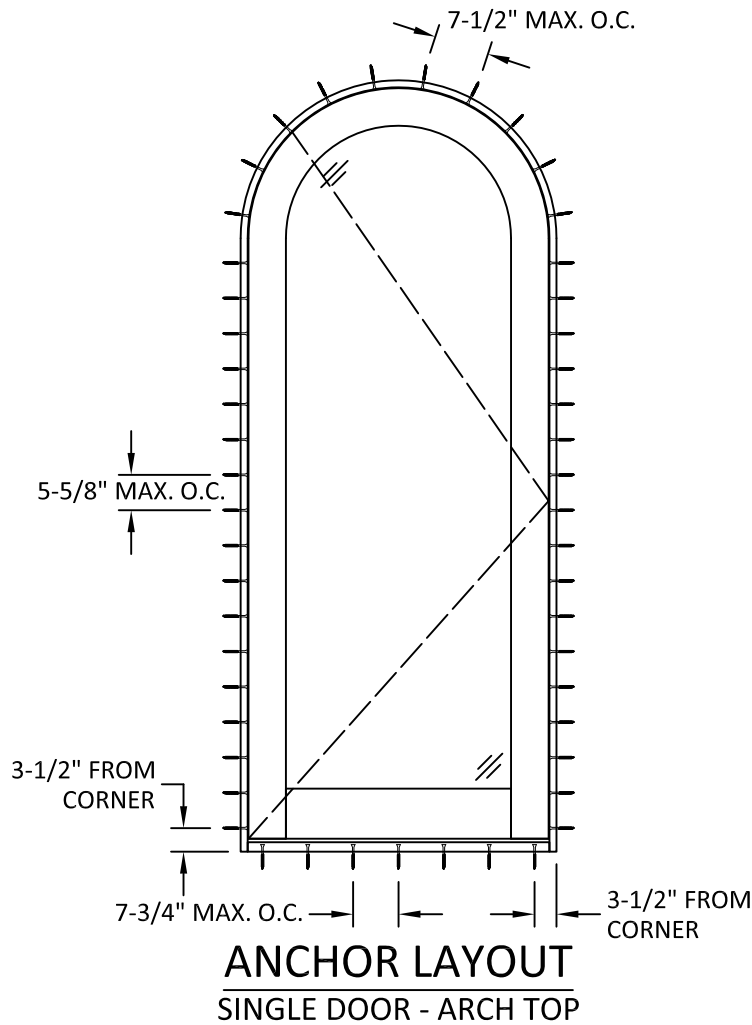
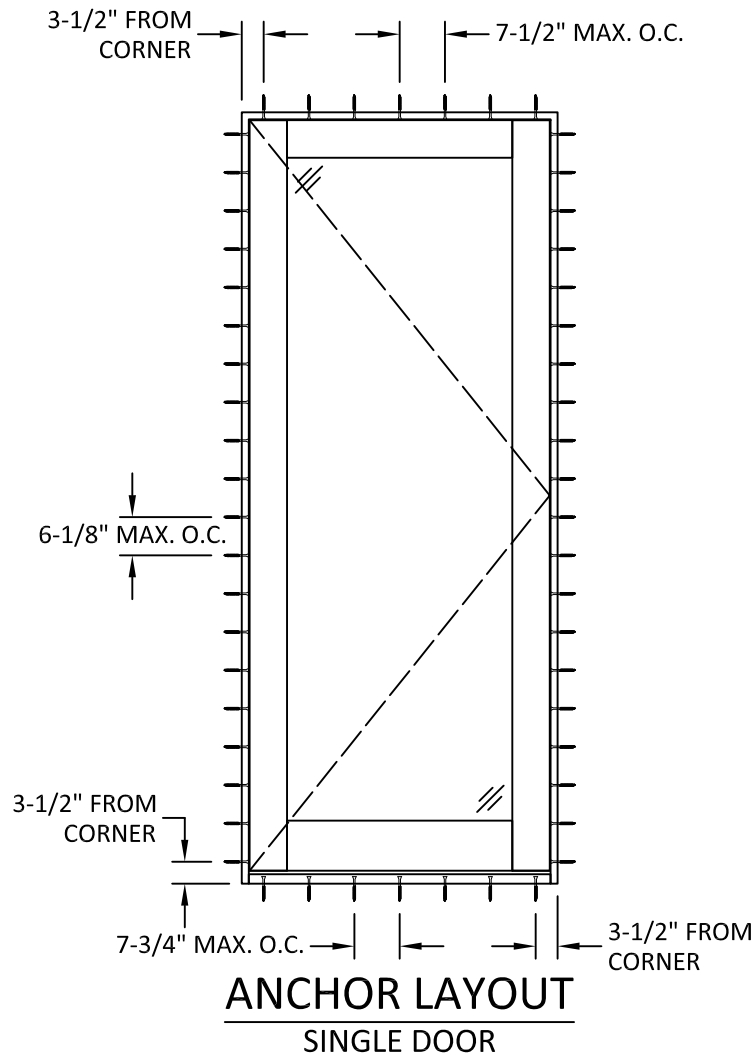
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HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:	FL47210
DATE:	12.19.2024
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	NED002
SHEET:	2



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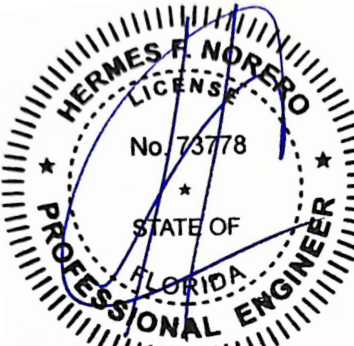
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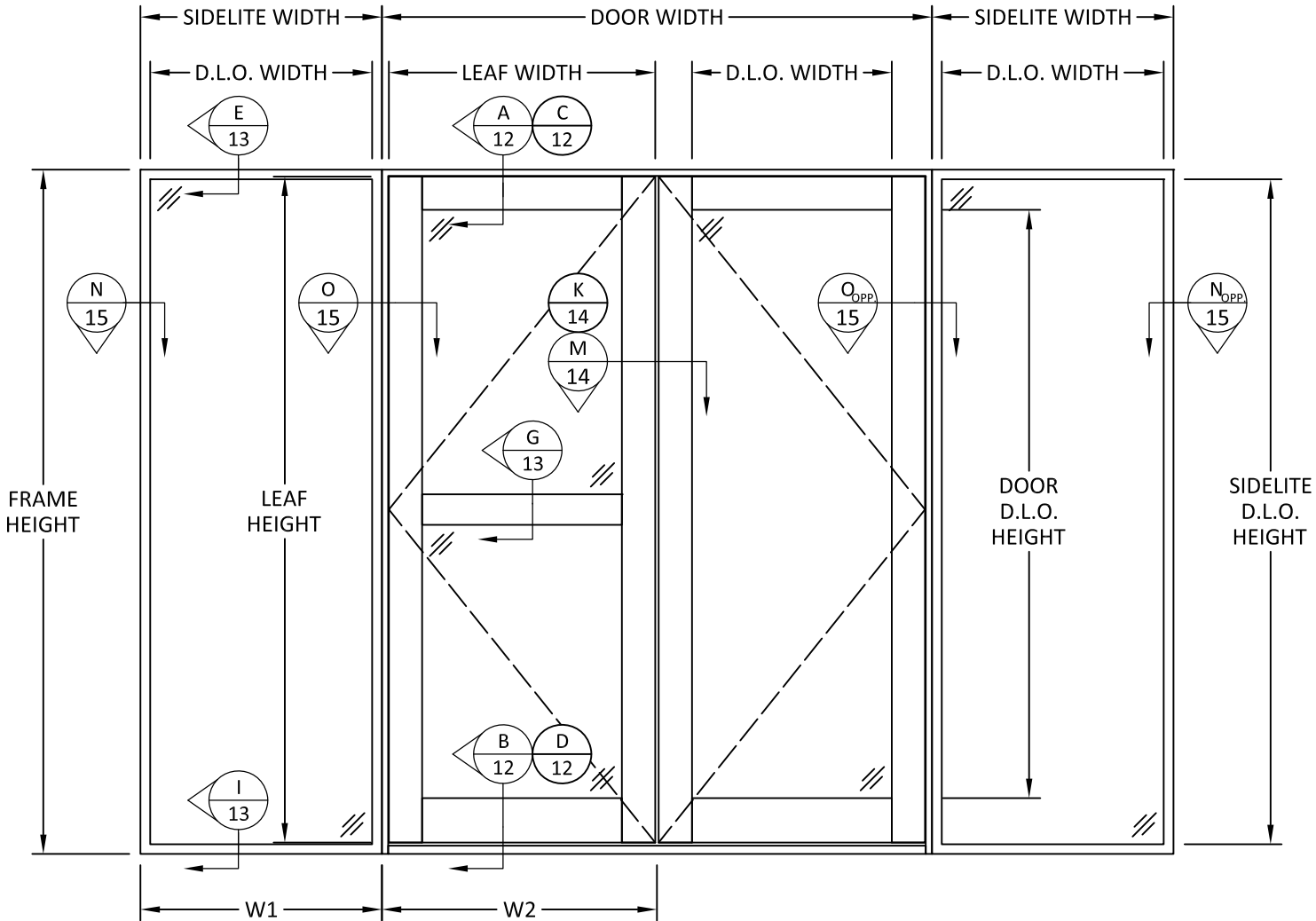


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TYPICAL ELEVATION
DOUBLE DOOR W/ SIDELITE
SINGLE DOOR SIMILAR

DESIGN PRESSURE TABLE (PSF) - SIDELITE/TRANSOM*									
FRAME HEIGHT (IN.)	SIDELITE/TRANSOM WIDTH (IN.)								
	24	30	36	43.5	48	54	60	66	72
43.5	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
48	75.00	75.00	75.00	75.00	67.42	67.42	67.42	67.42	67.42
54	75.00	75.00	75.00	75.00	67.42	59.41	59.41	59.41	59.41
60	75.00	75.00	75.00	75.00	67.42	59.41	53.10	53.10	53.10
66	75.00	75.00	75.00	75.00	67.42	59.41	53.10	48.00	48.00
72	75.00	75.00	75.00	75.00	67.42	59.41	53.10	48.00	43.80
78	75.00	75.00	75.00	75.00	67.42	59.41	53.10	48.00	-
84	75.00	75.00	75.00	75.00	67.42	59.41	53.10	-	-
90	75.00	75.00	75.00	75.00	67.42	59.41	-	-	-
96	75.00	75.00	75.00	75.00	67.42	59.41	-	-	-
102	75.00	75.00	75.00	75.00	67.42	-	-	-	-
108	75.00	75.00	75.00	75.00	67.42	-	-	-	-
114	75.00	75.00	75.00	75.00	-	-	-	-	-
120	75.00	75.00	75.00	75.00	-	-	-	-	-
123.313	75.00	75.00	75.00	75.00	-	-	-	-	-

* SIDELITE/TRANSOM WIDTH AND HEIGHT ARE INTERCHANGEABLE.

DESIGN PRESSURE TABLE (PSF) - DOOR WITH SIDELITE*									
FRAME HEIGHT (IN.)	TRIBUTARY WIDTH (IN.)								
	24	30	36	42	46.53	48	54	60	66
80	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
84	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
90	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	-
96	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	-
102	75.00	75.00	75.00	75.00	75.00	75.00	75.00	-	-
108	75.00	75.00	75.00	75.00	75.00	75.00	-	-	-
114	75.00	75.00	75.00	75.00	75.00	75.00	-	-	-
120	75.00	75.00	75.00	75.00	75.00	75.00	-	-	-
123.313	75.00	75.00	75.00	75.00	75.00	-	-	-	-

* THE DESIGN PRESSURE OF DOOR W/ SIDELITE SHALL BE THE LESSER OF THE VALUES IN THIS TABLE AND THE DOOR/SIDELITE DESIGN PRESSURE TABLES.

NOTE: FOR ALTERNATE SIDELITE, SEE SEPARATE APPROVAL FOR SHAPE, SIZE, FRAME DEPTH, AND GLAZING/INFILL TYPE.

SIDELITE D.L.O. WIDTH = SIDELITE WIDTH - 1.5"
SIDELITE D.L.O. HEIGHT = FRAME HEIGHT - 1.5"
TRIBUTARY WIDTH = $\frac{W1 + W2}{2}$



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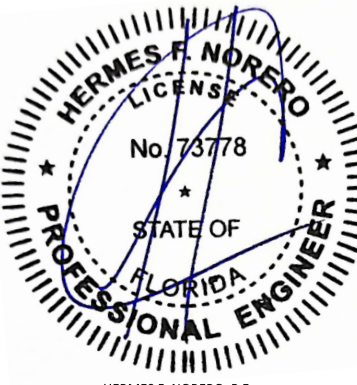
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GLAZED DOORS (HVHZ) (IMPACT)
TYPICAL ELEVATION & DP TABLES
(DOOR W/ SIDELITE)

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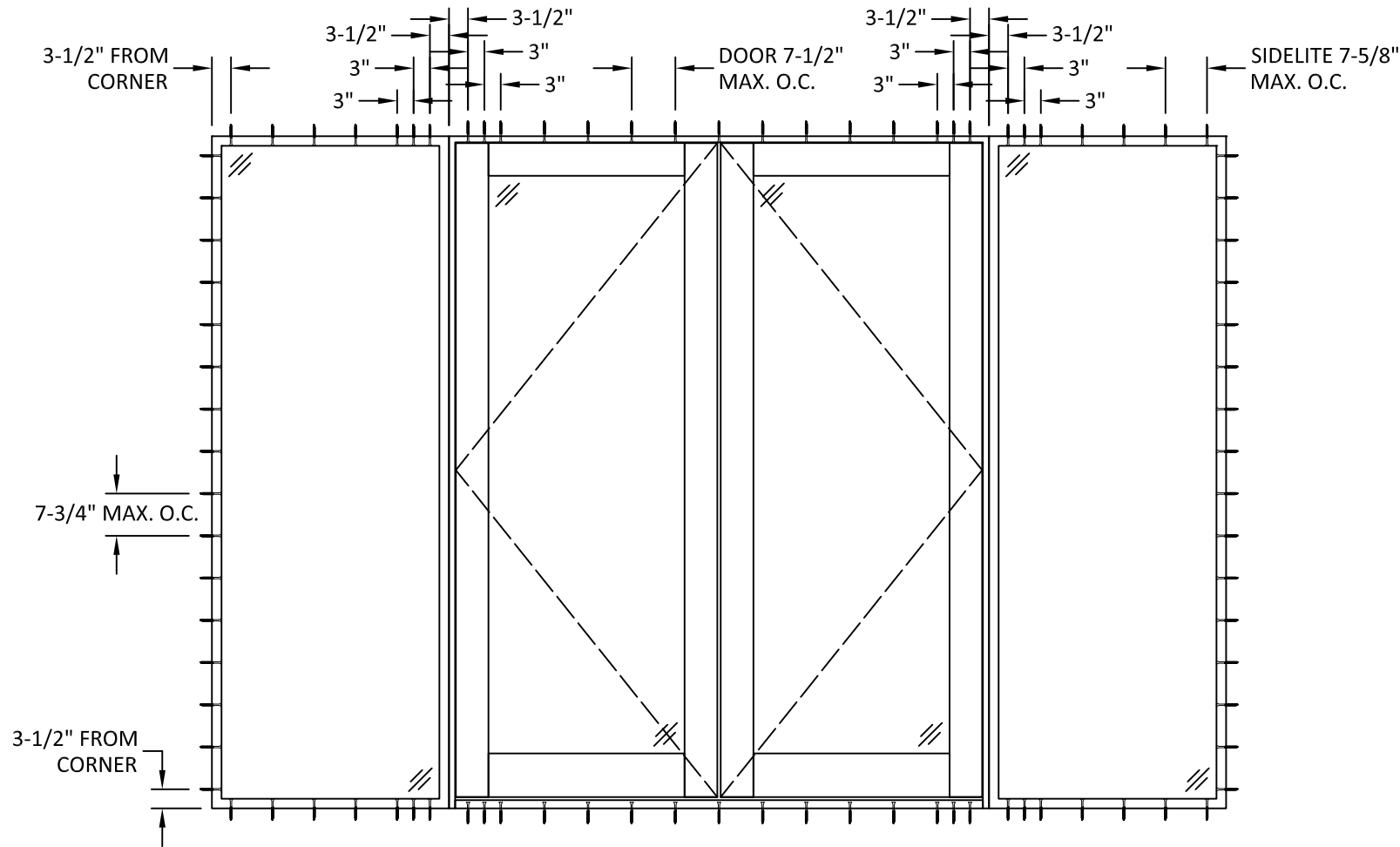
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DWG. #: **NED002**

SHEET:

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ANCHOR LAYOUT
DOUBLE DOOR W/ SIDELITE
SINGLE DOOR SIMILAR



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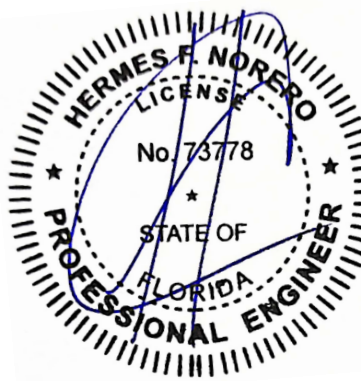
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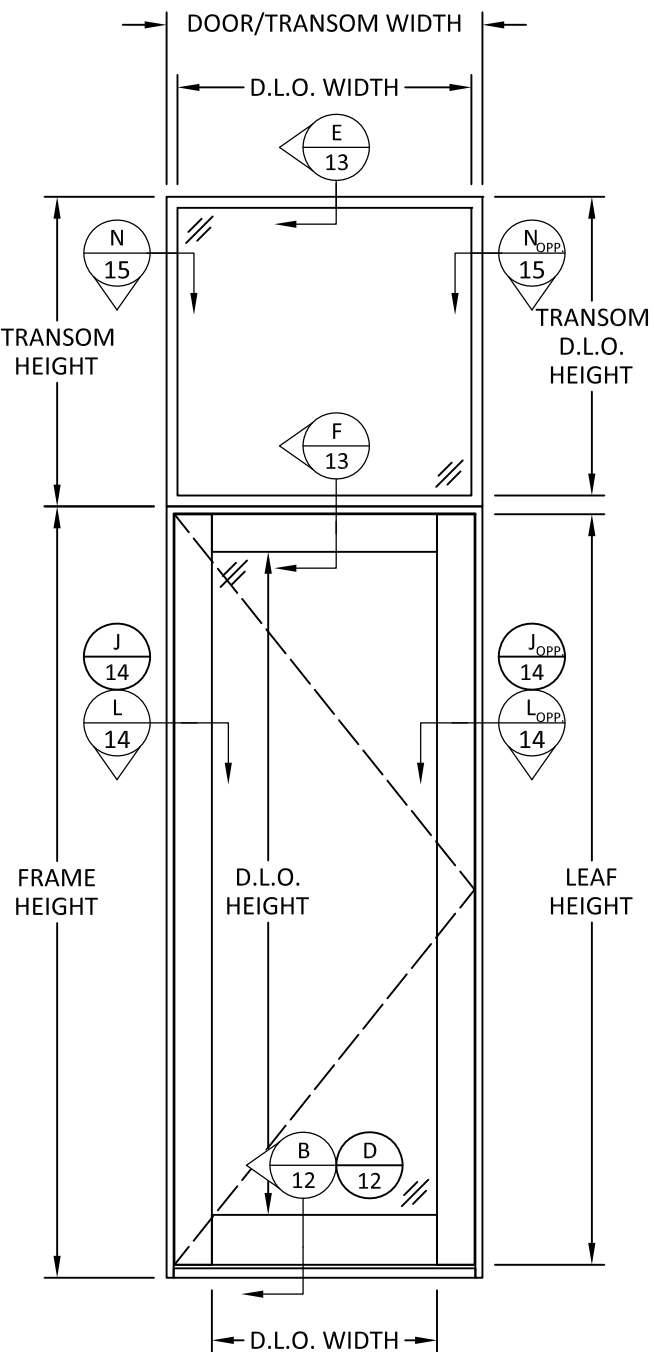
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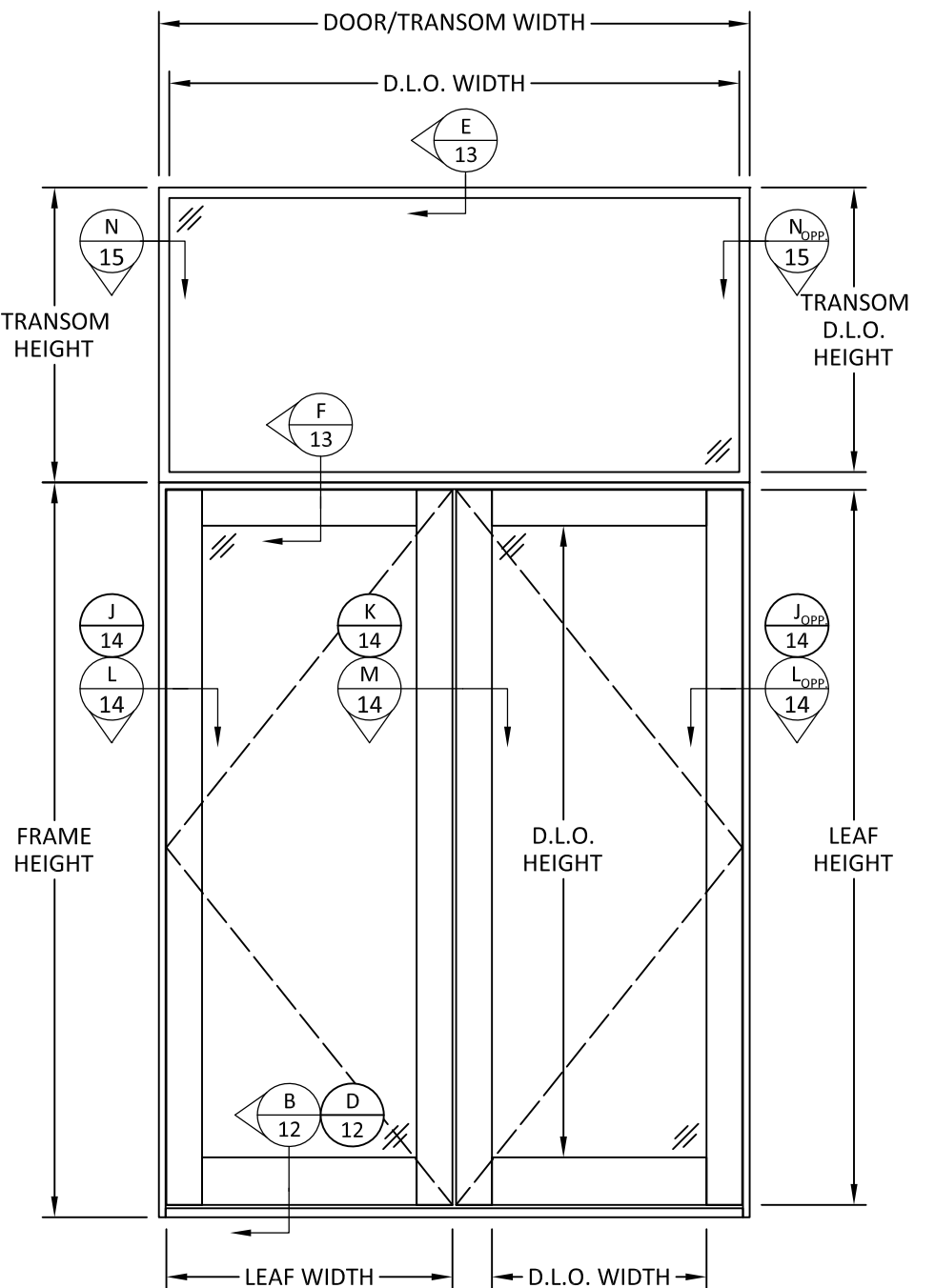
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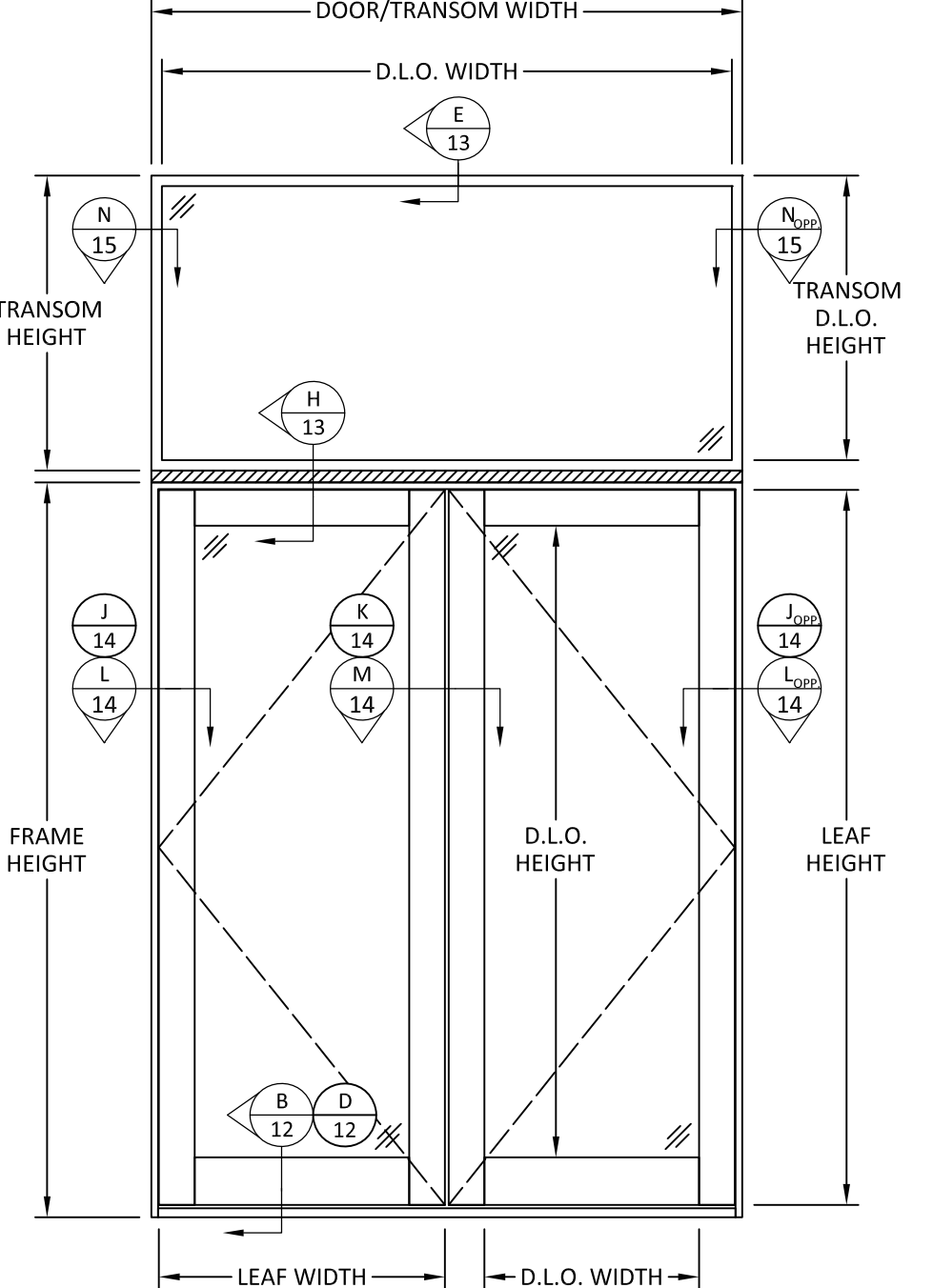
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TYPICAL ELEVATION
SINGLE DOOR W/ TRANSOM
SIDELITE W/ TRANSOM SIMILAR



TYPICAL ELEVATION
DOUBLE DOOR W/ TRANSOM
W/O ALUMINUM MULLION



TYPICAL ELEVATION
DOUBLE DOOR W/ TRANSOM
W/ ALUMINUM MULLION

NOTE: FOR ALTERNATE TRANSOM, SEE SEPARATE
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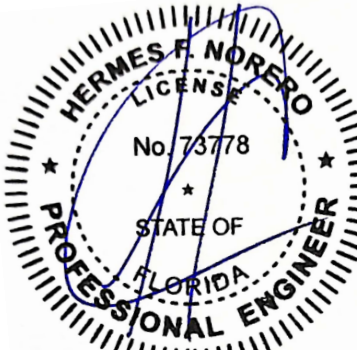
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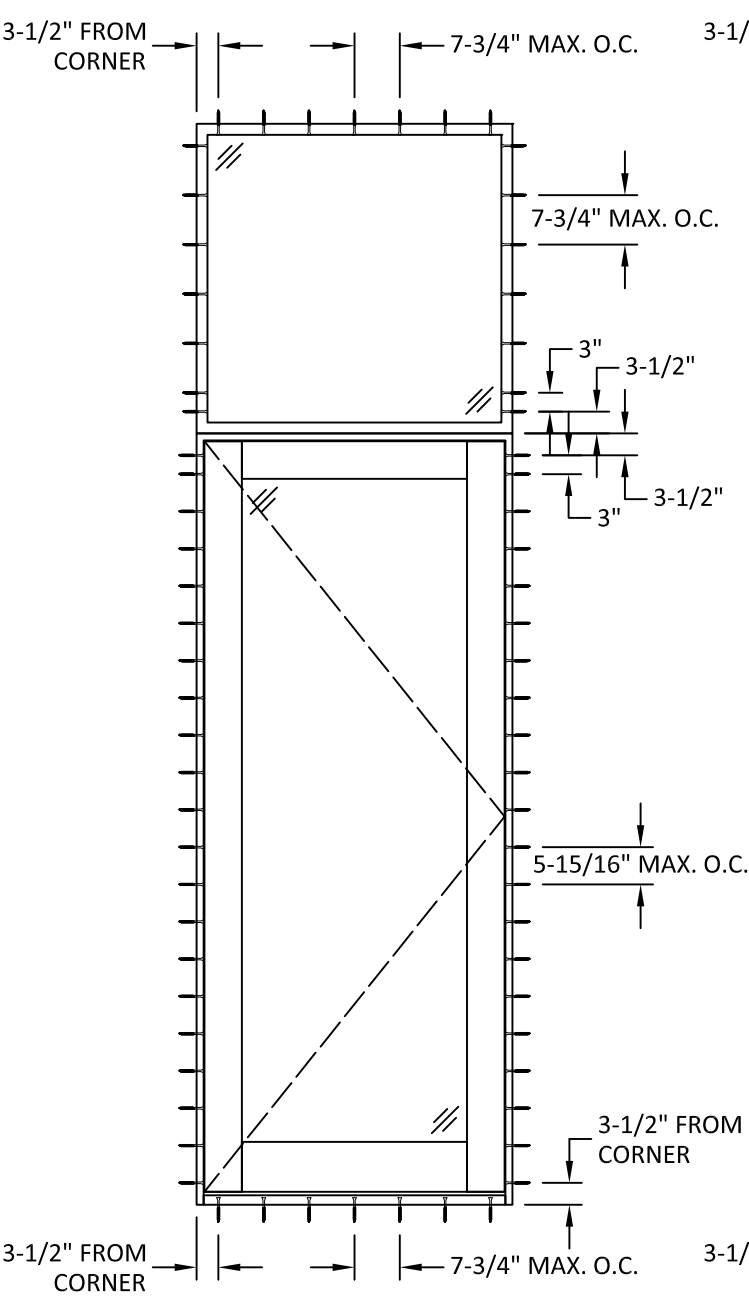
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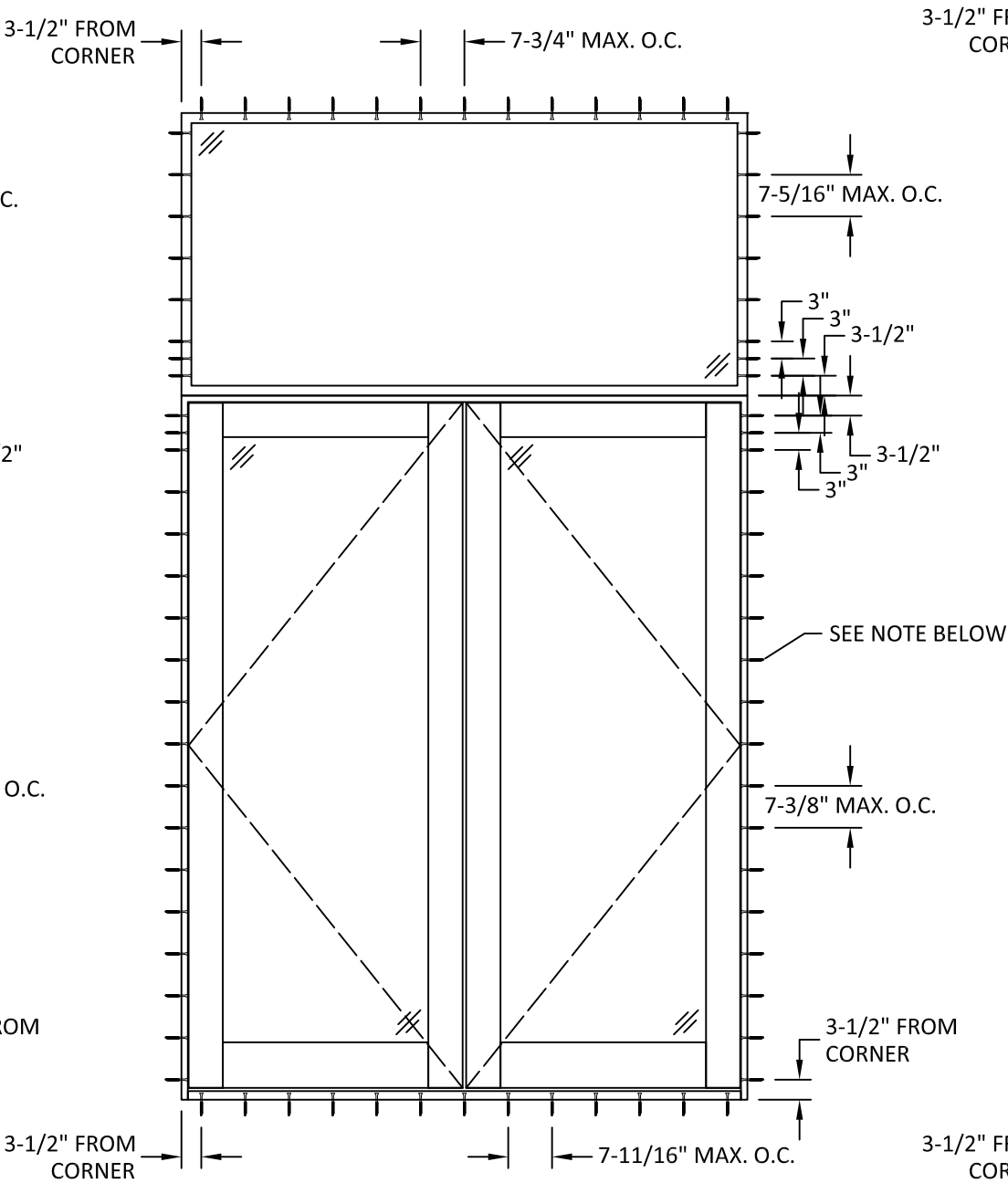
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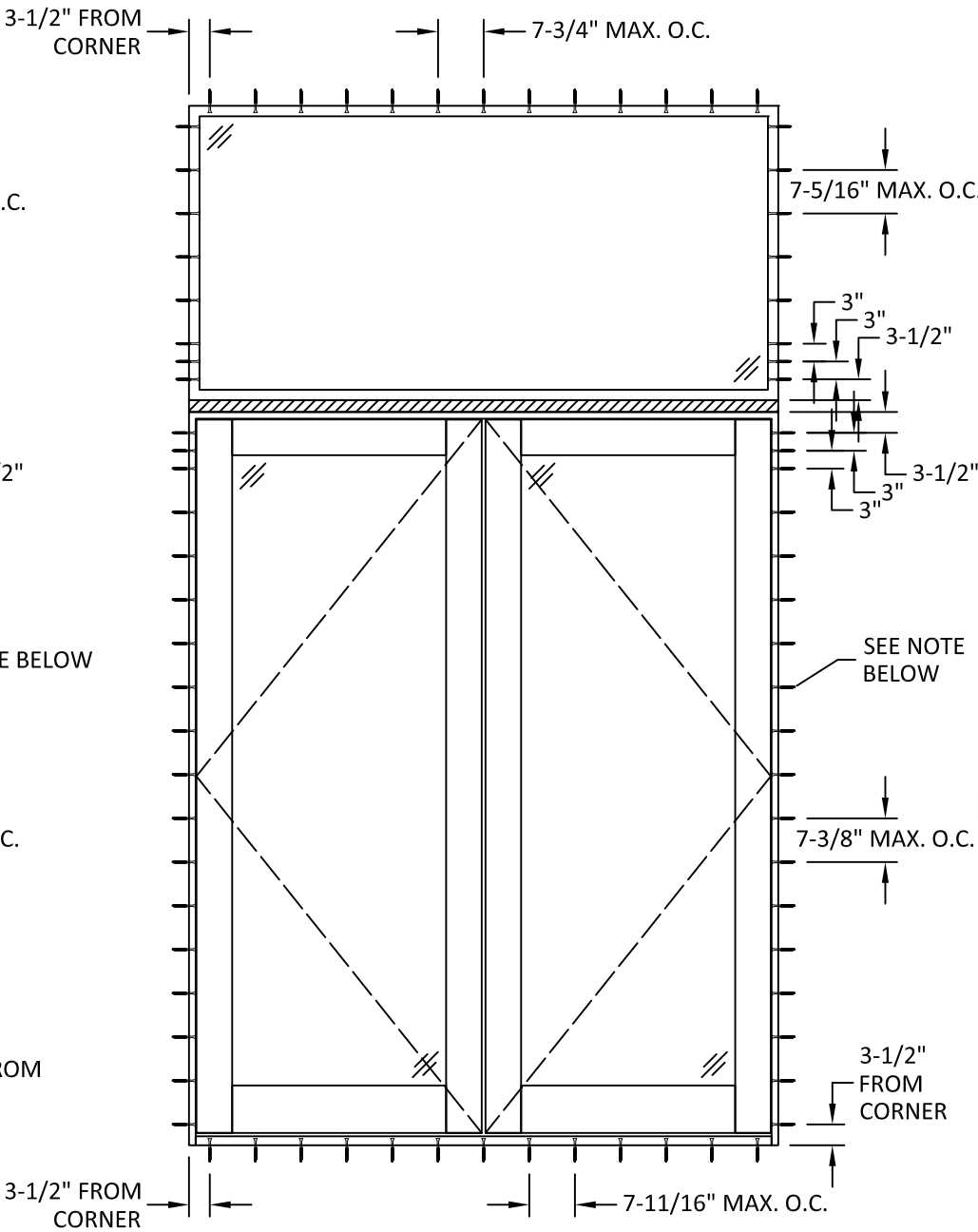
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ANCHOR LAYOUT
SINGLE DOOR W/ TRANSOM
SIDELITE W/ TRANSOM SIMILAR



ANCHOR LAYOUT
DOUBLE DOOR W/ TRANSOM
W/O ALUMINUM MULLION



ANCHOR LAYOUT
DOUBLE DOOR W/ TRANSOM
W/ ALUMINUM MULLION

WHEN DOUBLE DOOR W/ TRANSOM ARE USED, ANCHORS AT THE JAMB SHALL COMPLY WITH THE SPECIFICATIONS OF ANCHORS AT HEAD AND SILL. SEE SHEET 16 FOR DETAILS.



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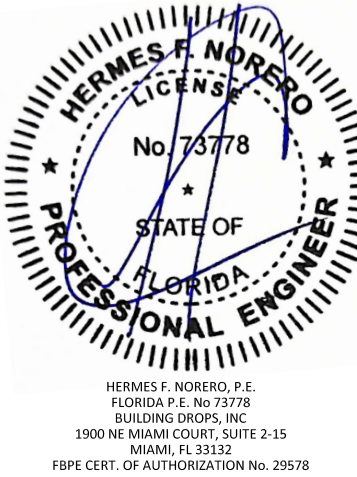
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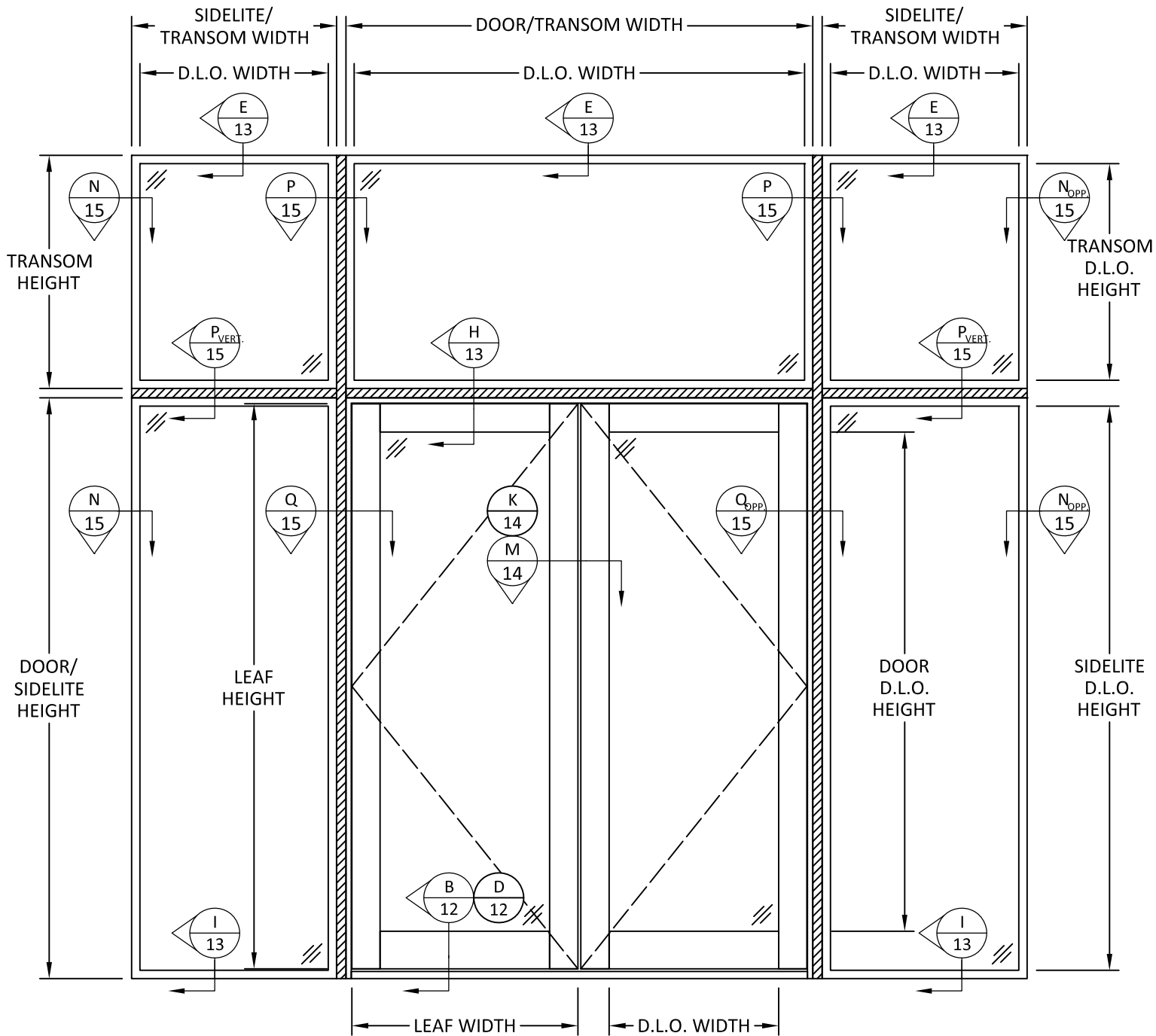
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FL #:	FL47210
DATE:	12.19.2024
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	NED002
SHEET:	7

c:\users\msun\building drops, inc\building drops landing - common\projects\unique custom doors\fbc-21-0826.1 - fbc submittal - hvhz\dwgs\ned002.dwg 12/20/2024 10:03 AM



TYPICAL ELEVATION
DOUBLE DOOR W/ SIDELITE & TRANSOM
SINGLE DOOR SIMILAR

NOTE: FOR ALTERNATE SIDELITE/TRANSOM, SEE
SEPARATE APPROVAL FOR ALTERNATE SHAPE,
SIZE, FRAME DEPTH, AND GLAZING TYPE.



2787 N AIRPORT ROAD #410
FORT MYERS, FL 33907
PH: (239) 340-1229

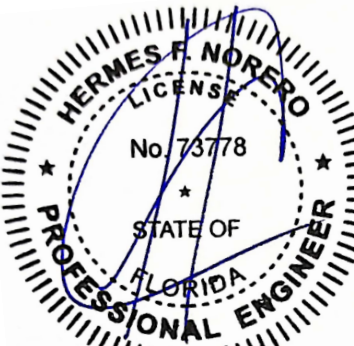
TITLE:
GLAZED DOORS (HVHZ) (IMPACT)
TYPICAL ELEVATION
(DOOR W/ SIDELITE & TRANSOM)

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



REMARKS	BY	DATE

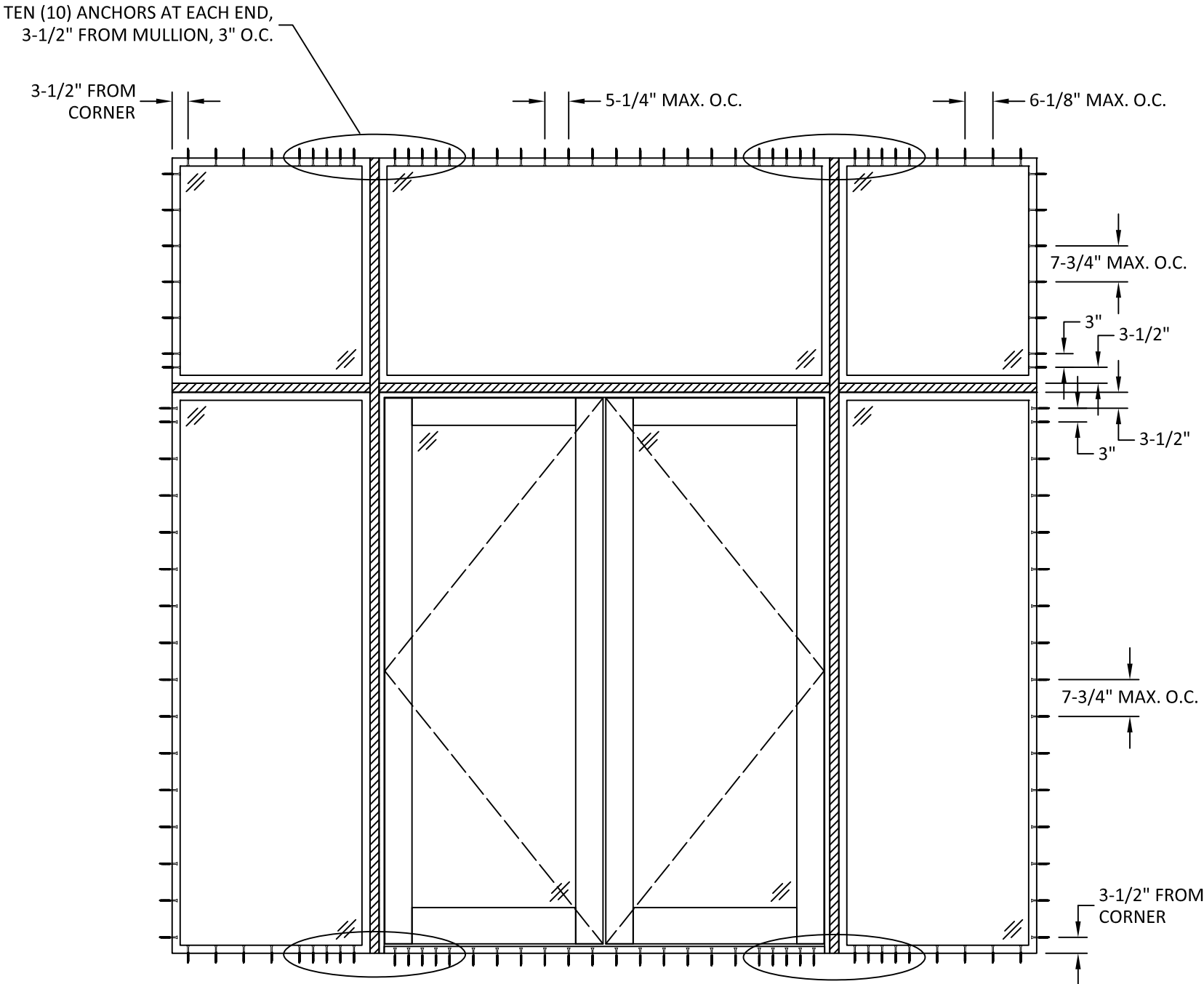
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FLORIDA P.E. No 73778
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:	FL47210
DATE:	12.19.2024
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	NED002
SHEET:	8

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ANCHOR LAYOUT
DOUBLE DOOR W/ SIDELITE & TRANSOM
SINGLE DOOR SIMILAR



2787 N AIRPORT ROAD #410
FORT MYERS, FL 33907
PH: (239) 340-1229

TITLE:
GLAZED DOORS (HVHZ) (IMPACT)
ANCHOR LAYOUT
(DOOR W/ SIDELITE & TRANSOM)

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

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FL #: **FL47210**

DATE: **12.19.2024**

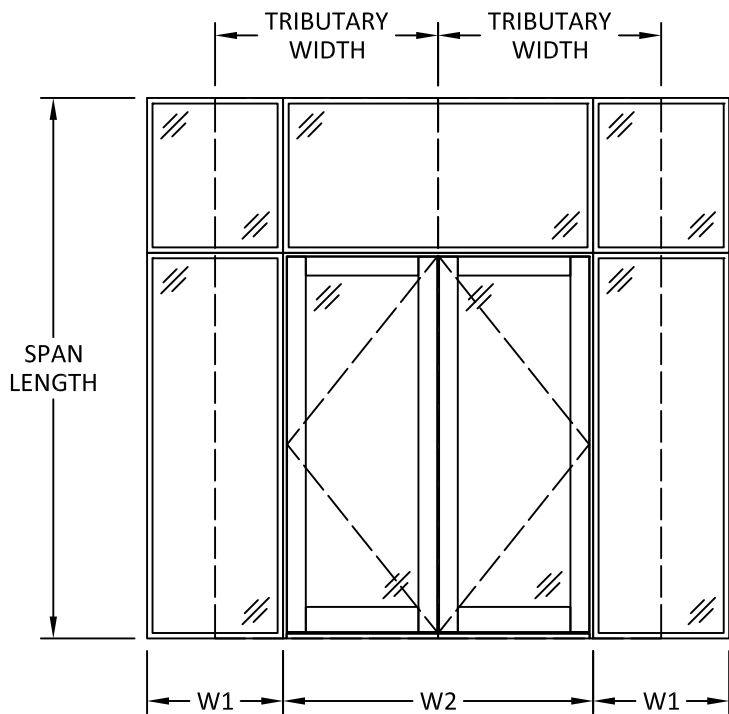
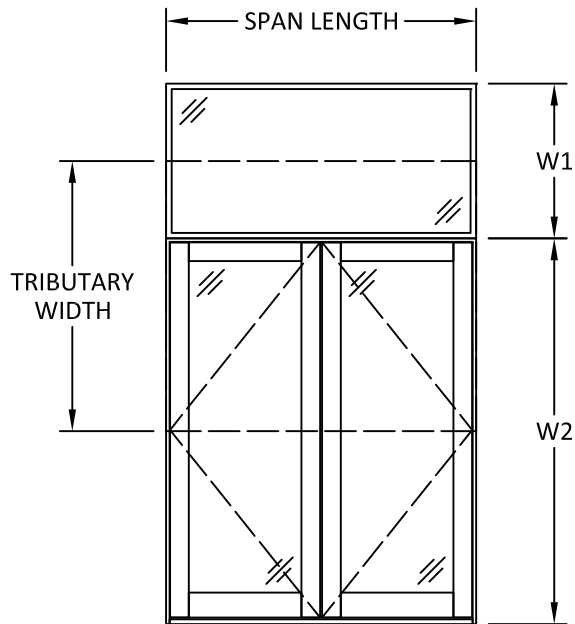
DWG. BY: **MS** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **NED002**

SHEET:

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TRIBUTARY WIDTH = $\frac{W1 + W2}{2}$

DESIGN PRESSURE TABLE (PSF) - DOUBLE DOOR/SIDELITE WITH TRANSOM WITHOUT ALUMINUM MULLION*								
SPAN LENGTH (IN.)	TRIBUTARY WIDTH (IN.)							
	48	54	60	66	72	78	84	90
48	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
54	75.00	75.00	75.00	75.00	75.00	75.00	75.00	-
60	75.00	75.00	75.00	75.00	75.00	-	-	-
66	75.00	75.00	75.00	75.00	-	-	-	-
72	75.00	75.00	75.00	-	-	-	-	-
78	75.00	75.00	-	-	-	-	-	-
84	75.00	75.00	-	-	-	-	-	-
90	75.00	-	-	-	-	-	-	-
96	75.00	-	-	-	-	-	-	-

* THE DESIGN PRESSURE OF DOOR W/ TRANSOM W/O ALUMINUM MULLION SHALL BE THE LESSER OF THE VALUES IN THIS TABLE AND THE DOOR/TRANSOM DESIGN PRESSURE TABLES.

DESIGN PRESSURE TABLE (PSF) - DOUBLE DOOR/SIDELITE WITH TRANSOM WITH ALUMINUM MULLION*									
SPAN LENGTH (IN.)	TRIBUTARY WIDTH (IN.)								
	48	54	60	66	72	78	84	87	90
48	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
54	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
60	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
66	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
72	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
78	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
84	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
90	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
96	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
99	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	-
102	75.00	75.00	75.00	75.00	75.00	75.00	71.55	-	-
108	75.00	75.00	75.00	75.00	70.32	64.91	-	-	-
114	75.00	75.00	71.75	65.23	59.79	-	-	-	-
120	75.00	68.35	61.52	55.92	51.26	-	-	-	-
126	66.43	59.04	53.14	48.31	-	-	-	-	-
132	57.77	51.35	46.22	-	-	-	-	-	-
135	54.01	48.01	43.21	-	-	-	-	-	-

* THE DESIGN PRESSURE OF DOOR W/ TRANSOM W/ ALUMINUM MULLION SHALL BE THE LESSER OF THE VALUES IN THIS TABLE AND THE DOOR/TRANSOM DESIGN PRESSURE TABLES.

DESIGN PRESSURE TABLE (PSF) - SINGLE/DOUBLE DOOR WITH SIDELITE AND TRANSOM*												
SPAN LENGTH (IN.)	TRIBUTARY WIDTH (IN.)											
	36	42	48	54	60	66	72	78	84	90	96	102
80	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
84	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
90	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
96	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
102	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
108	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
114	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
120	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
123.313	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
126	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	-
132	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	-	-
138	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	-	-
144	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	-	-	-
150	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	-	-	-
156	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	-	-	-	-
162	75.00	75.00	75.00	75.00	75.00	75.00	75.00	-	-	-	-	-
168	75.00	75.00	75.00	75.00	75.00	75.00	75.00	-	-	-	-	-
174	75.00	75.00	75.00	75.00	75.00	75.00	75.00	-	-	-	-	-

* THE DESIGN PRESSURE OF DOOR W/ SIDELITE & TRANSOM SHALL BE THE LESSER OF THE VALUES IN THIS TABLE AND THE DOOR/TRANSOM DESIGN PRESSURE TABLES.



2787 N AIRPORT ROAD #410
FORT MYERS, FL 33907
PH: (239) 340-1229

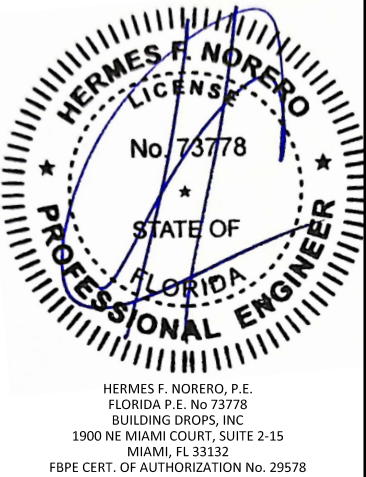
TITLE:
GLAZED DOORS (HVHZ) (IMPACT)
DP TABLES (DOOR W/ TRANSOM/
SIDELITE & TRANSOM)

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, 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 #: **FL47210**

DATE: **12.19.2024**

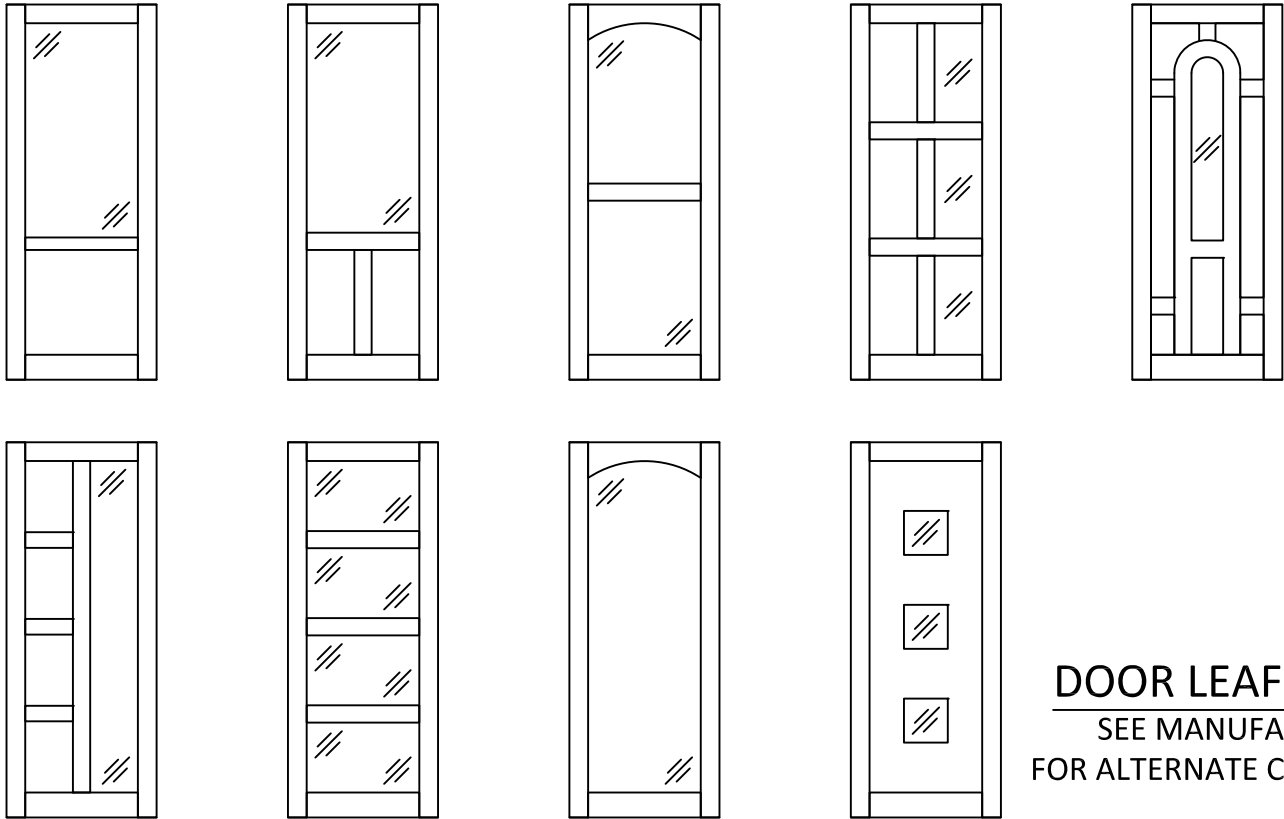
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SCALE: **NTS**

DWG. #: **NED002**

SHEET:

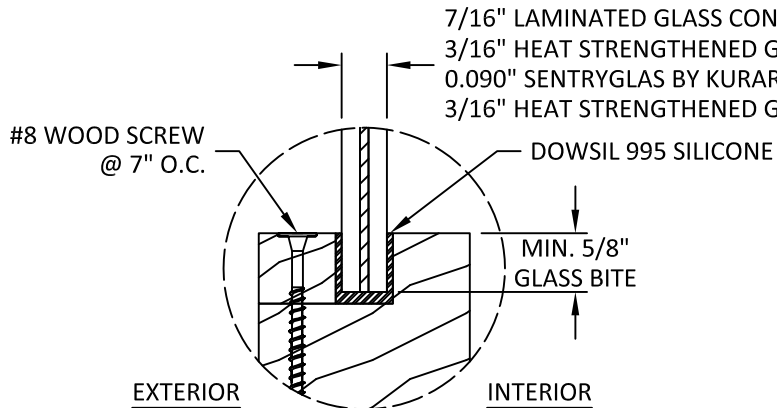
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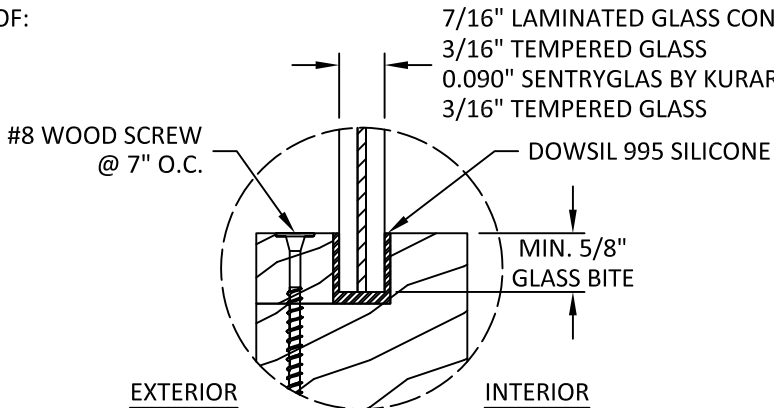
QUALIFIED HARDWARE		
TYPE	MATERIAL	MANUFACTURER
TUBULAR LOCK	BRASS	EMTEK, BALDWIN
MORTISE LOCK	BRASS	EMTEK, BALDWIN
3-PT MULTIPOINT LOCK	BRASS	HOPPE
3-PT MULTIPOINT DEADBOLT LOCK	BRASS	HOPPE
5-PT MULTIPOINT LOCK	BRASS	HOPPE
5-PT MULTIPOINT DEADBOLT LOCK	BRASS	HOPPE
5X5 NRP HINGE	BRASS	EMTEK, BALDWIN, DELTANA
FLUSH BOLT	BRASS/STEEL	EMTEK, DELTANA, ASSA-ABLOY
SURFACE BOLT	BRASS	EMTEK, DELTANA

DOOR LEAF CONFIGURATIONS

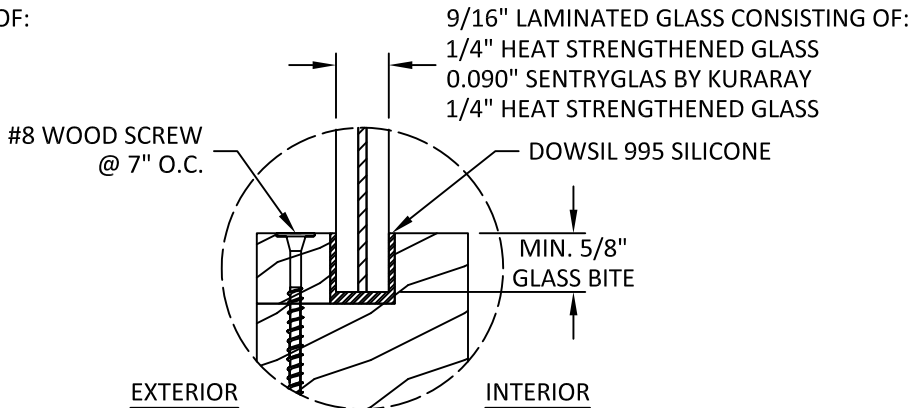
SEE MANUFACTURER'S INSTRUCTION
FOR ALTERNATE CONFIGURATIONS & DESIGNS



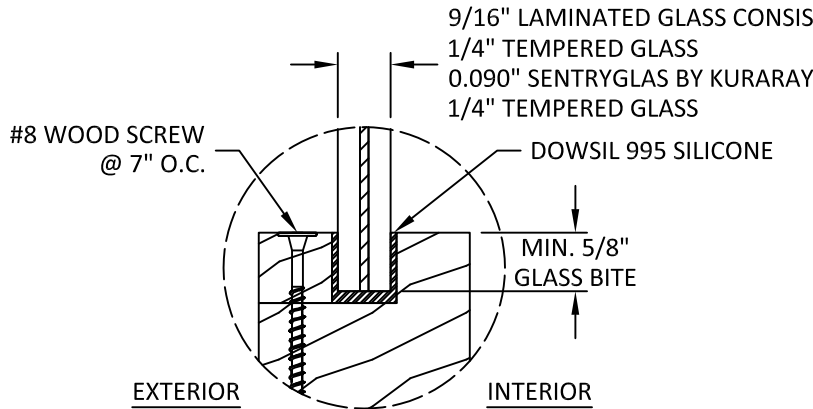
GLAZING DETAIL G1
DOOR



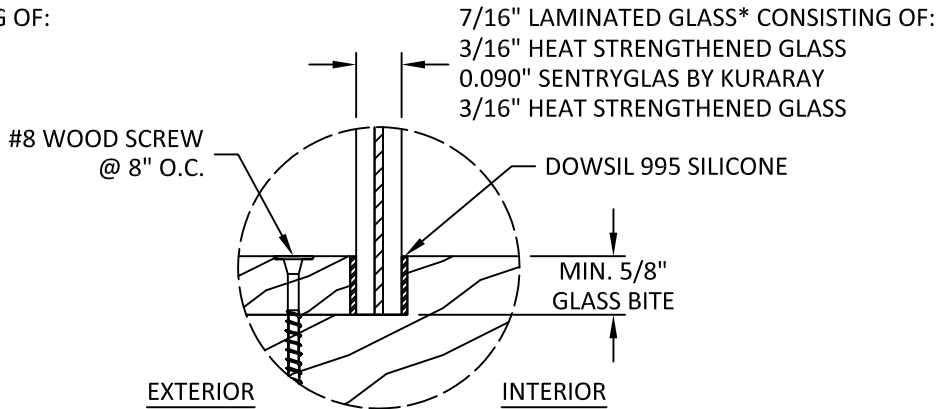
GLAZING DETAIL G2
DOOR



GLAZING DETAIL G3
DOOR



GLAZING DETAIL G4
DOOR



GLAZING DETAIL G5
SIDELITE/TRANSOM

- GLAZING NOTES:
- GLASS TYPE & THICKNESS COMPLIES WITH ASTM E1300 REQUIREMENTS. 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 IN SHEETS 2, 4, & 10.

* FOR 9/16" THICK GLASS OPTION OR TEMPERED GLASS OPTION
ON SIDELITE/TRANSOM, SEE SEPARATE APPROVAL FOR DETAILS.



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FORT MYERS, FL 33907
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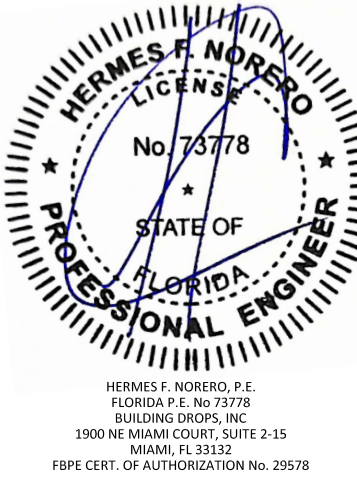
TITLE:
GLAZED DOORS (HVHZ) (IMPACT)
DOOR LEAF CONFIG., QUALIFIED
HARDWARE & GLAZING DETAILS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, 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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DATE: **12.19.2024**

DWG. BY: **MS** CHK. BY: **HFN**

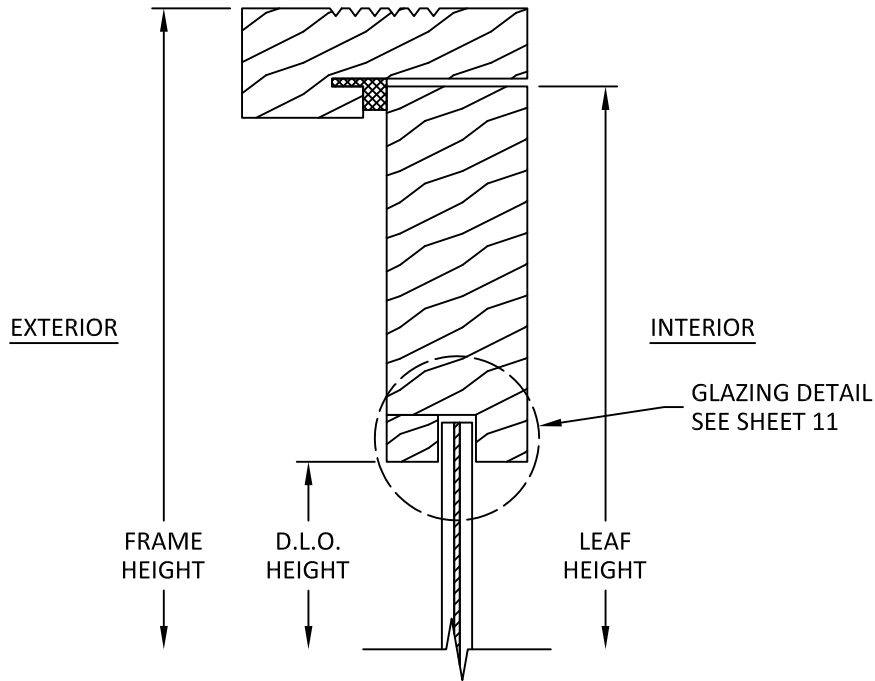
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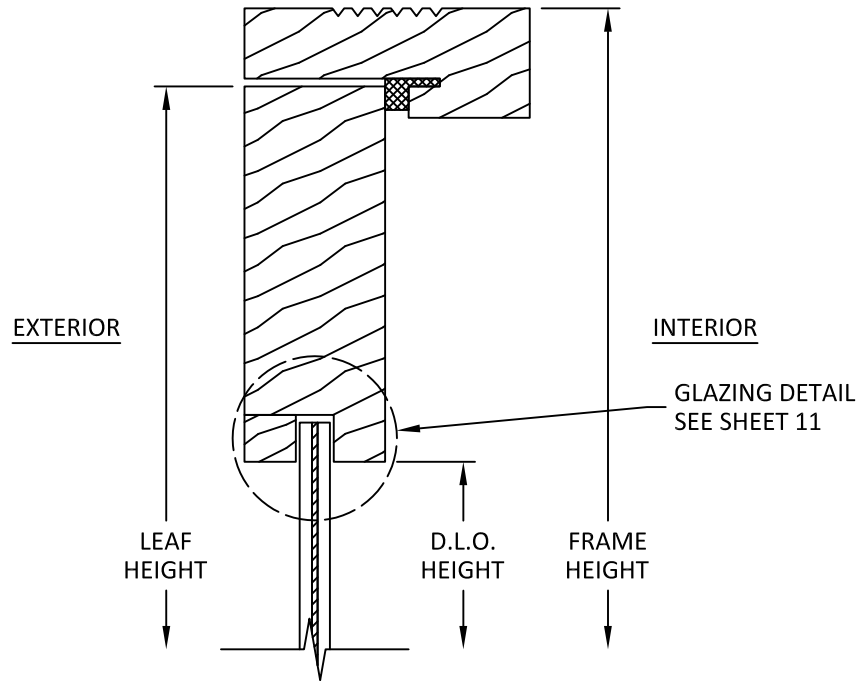
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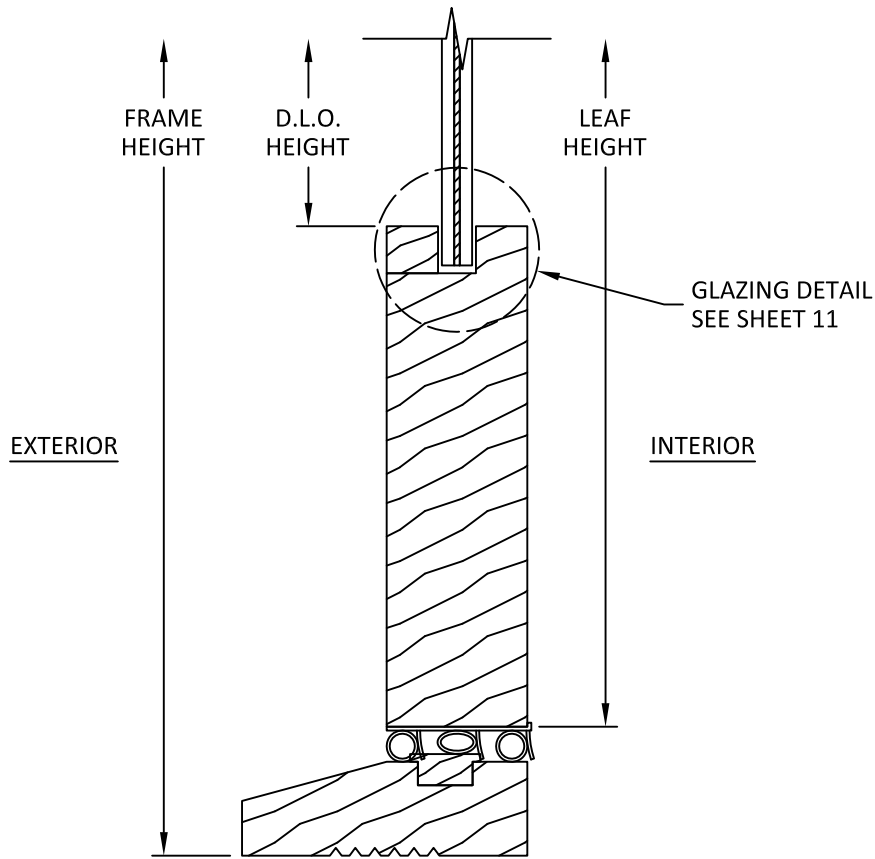
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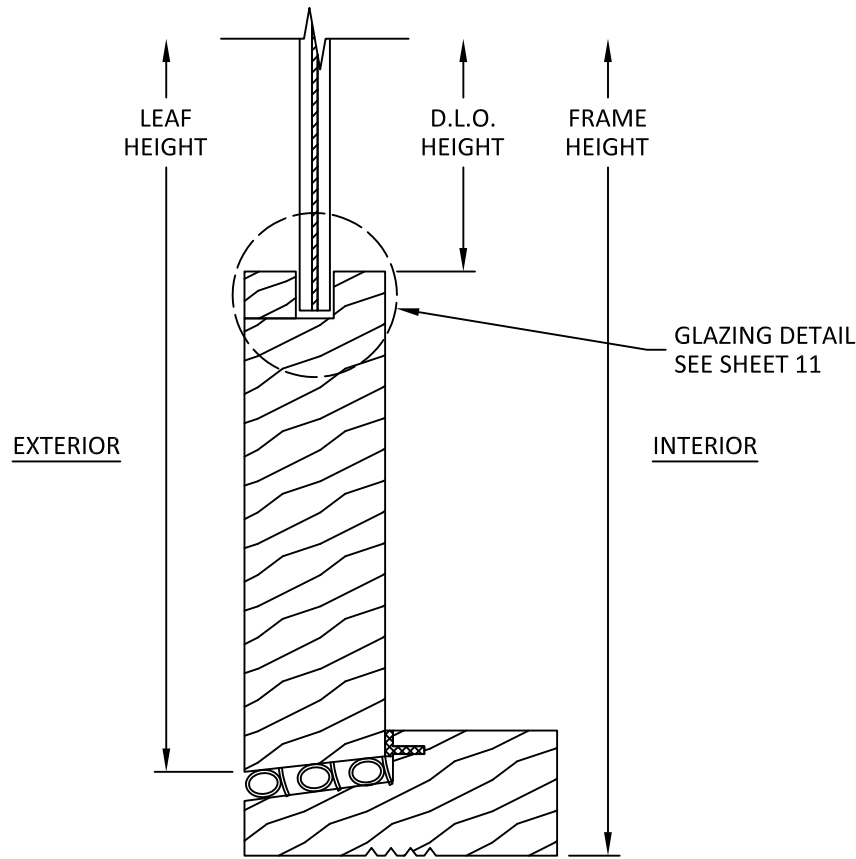
A
12 VERTICAL SECTION
INSWING DOOR HEAD



C
12 VERTICAL SECTION
OUTSWING DOOR HEAD



B
12 VERTICAL SECTION
INSWING DOOR SILL



D
12 VERTICAL SECTION
OUTSWING DOOR SILL



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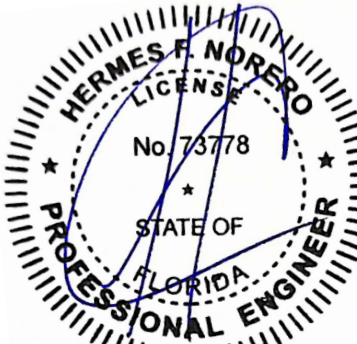
TITLE:
GLAZED DOORS (HVHZ) (IMPACT)
VERTICAL SECTIONS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
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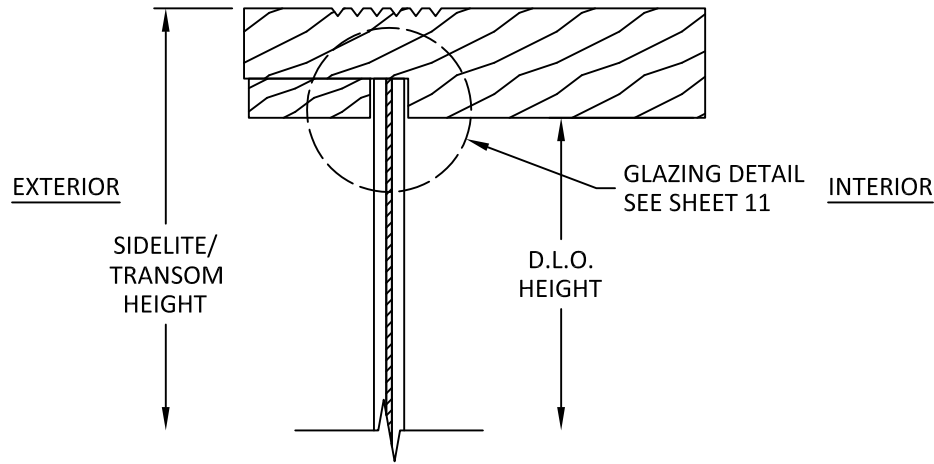


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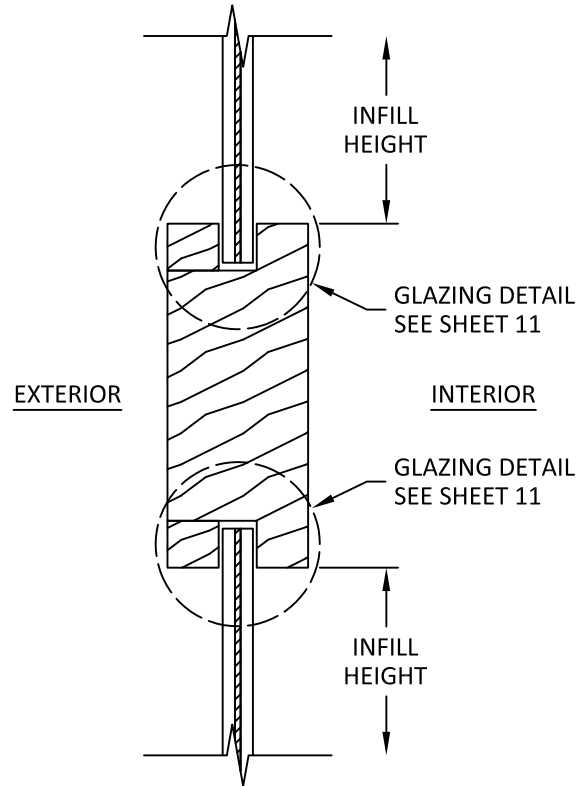
FL #:	FL47210
DATE:	12.19.2024
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	NED002
SHEET:	12

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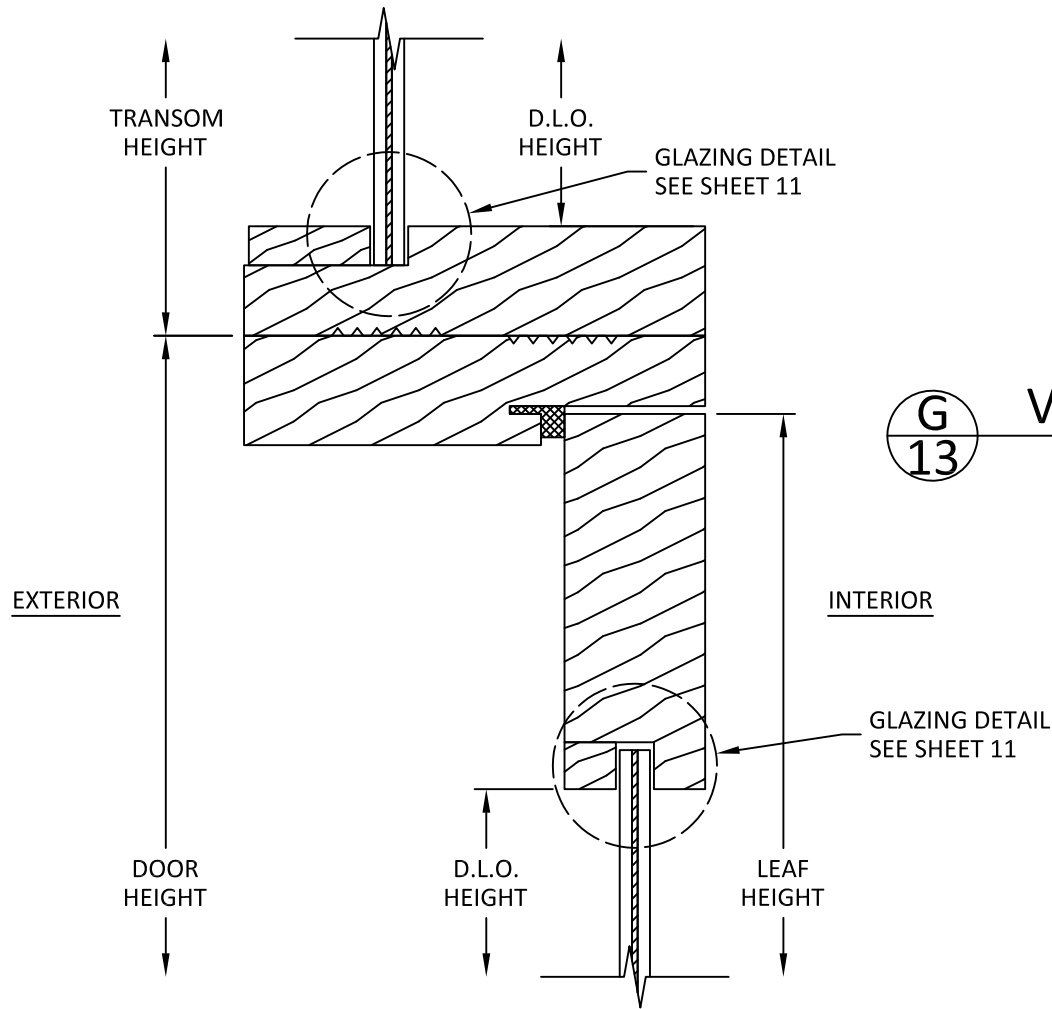
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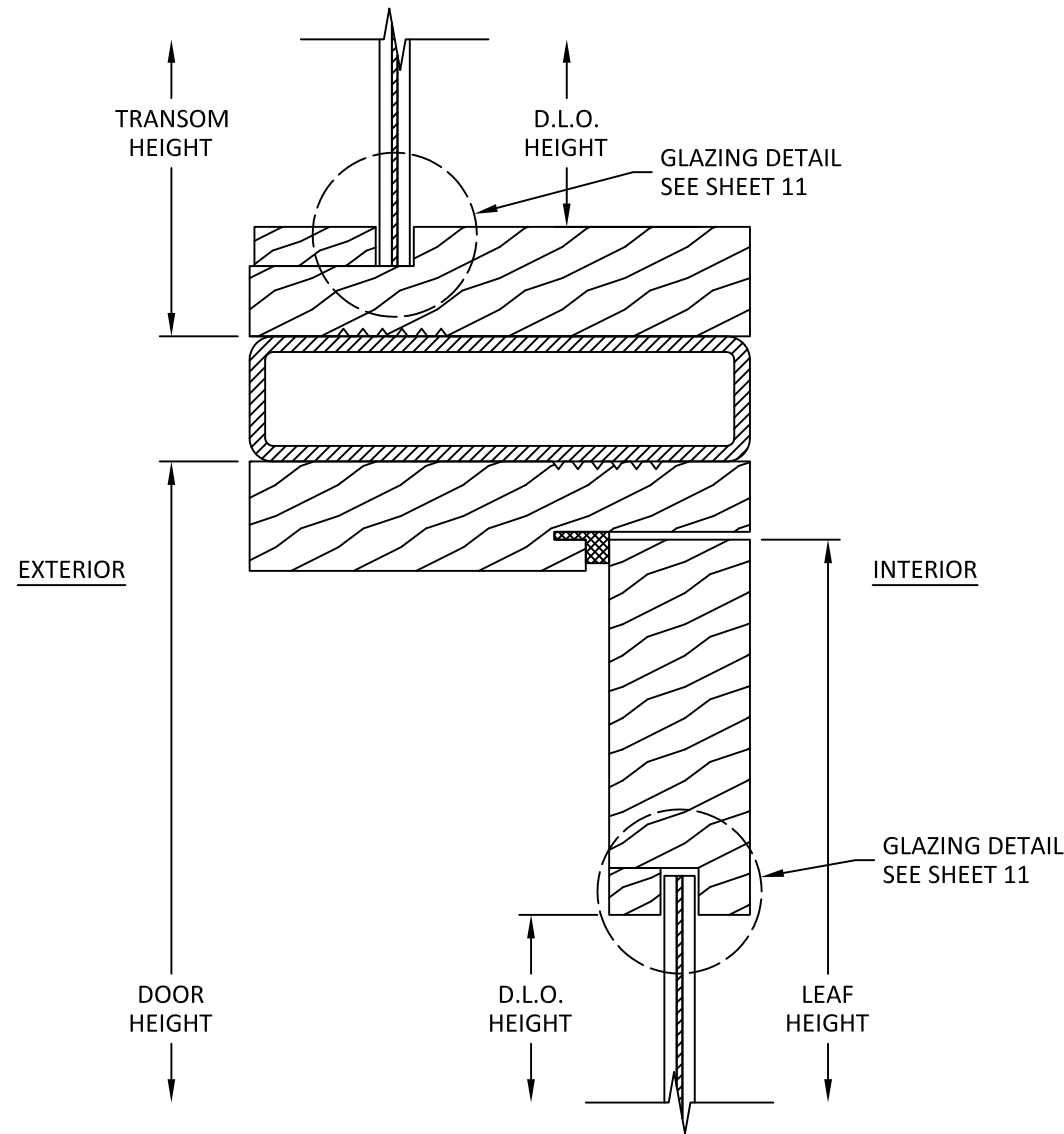
E
13 VERTICAL SECTION
SIDELITE/TRANSOM HEAD



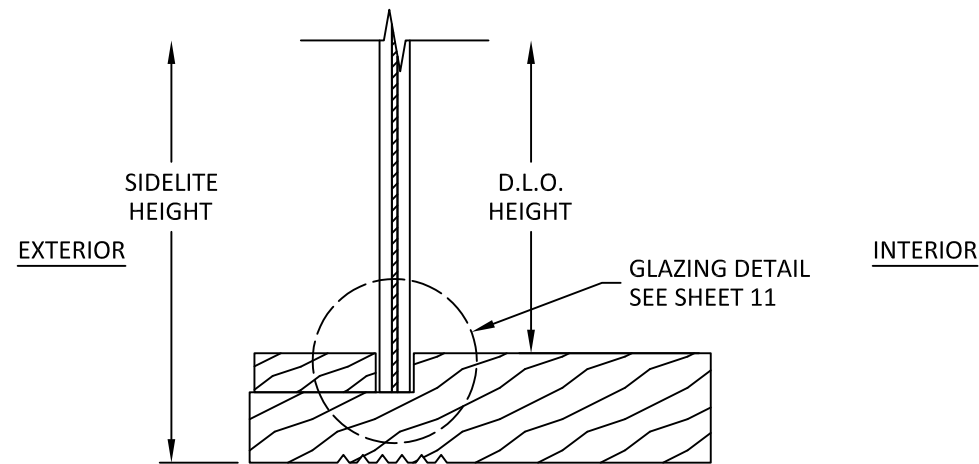
G
13 VERTICAL SECTION
HORIZONTAL RAIL



F
13 VERTICAL SECTION
TRANSOM TO DOOR
INSWING SHOWN, OUTSWING SIMILAR
TRANSOM TO SIDELITE SIMILAR



H
13 VERTICAL SECTION
TRANSOM TO DOOR W/ ALUM. MULLION
INSWING SHOWN, OUTSWING SIMILAR



I
13 VERTICAL SECTION
SIDELITE SILL



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PH: (239) 340-1229

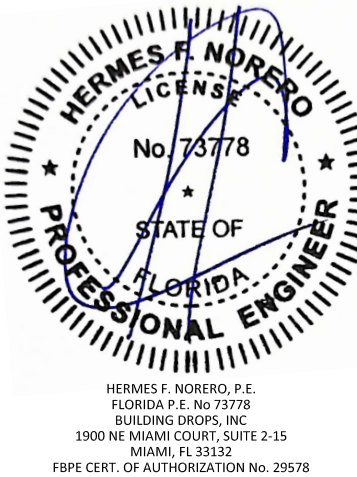
TITLE: GLAZED DOORS (HVHZ) (IMPACT)
VERTICAL SECTIONS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
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BUILDING DROPS

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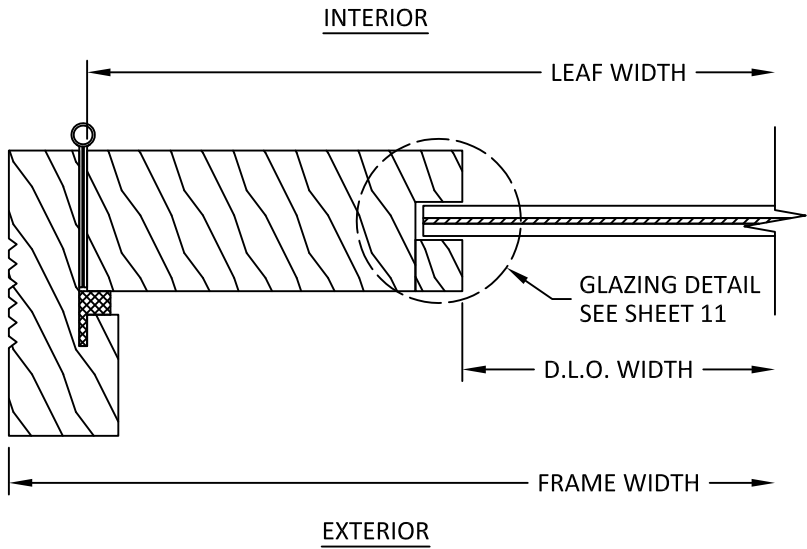
SCALE:
NTS

DWG. #:
NED002

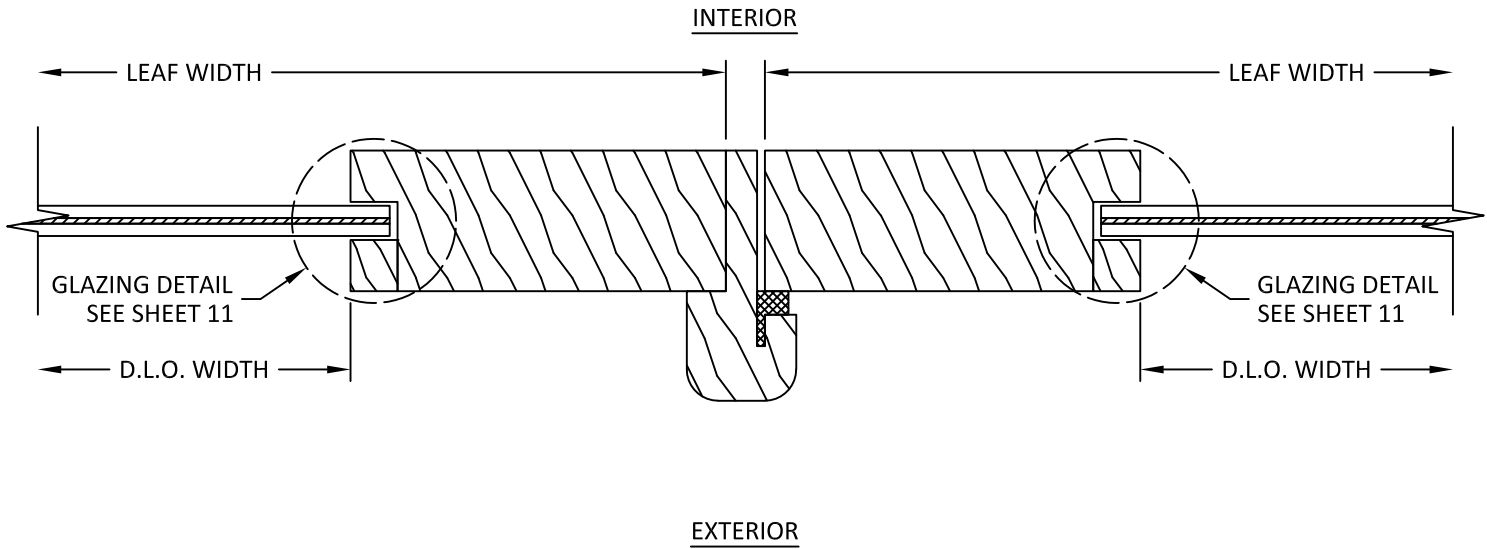
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13

OF 16

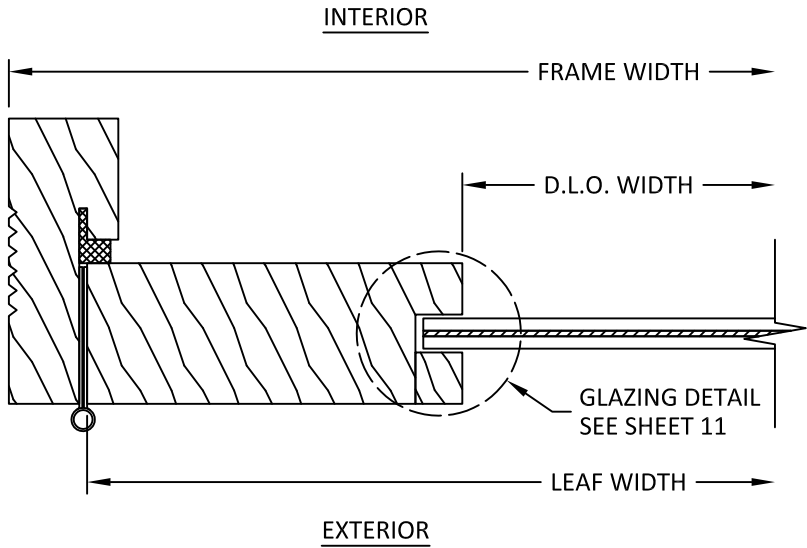
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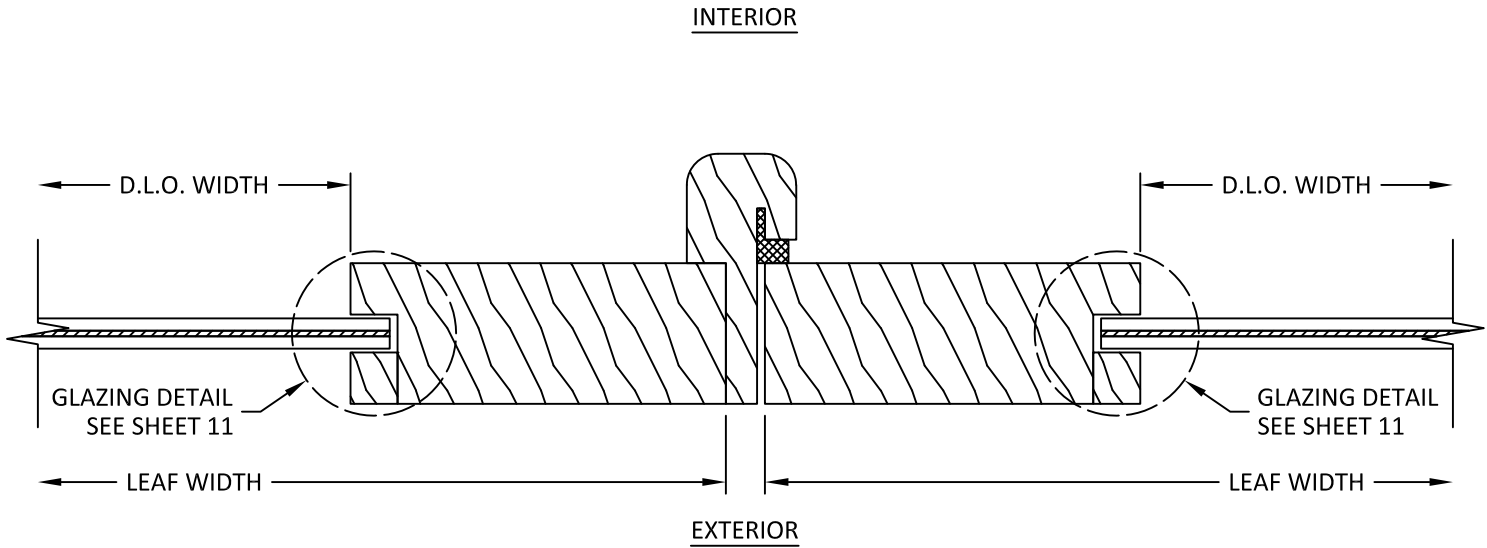
J
14 **HORIZONTAL SECTION**
INSWING DOOR JAMB



K
14 **HORIZONTAL SECTION**
INSWING DOOR ASTRAGAL



L
14 **HORIZONTAL SECTION**
OUTSWING DOOR JAMB



M
14 **HORIZONTAL SECTION**
OUTSWING DOOR ASTRAGAL



2787 N AIRPORT ROAD #410
FORT MYERS, FL 33907
PH: (239) 340-1229

TITLE:
GLAZED DOORS (HVHZ) (IMPACT)

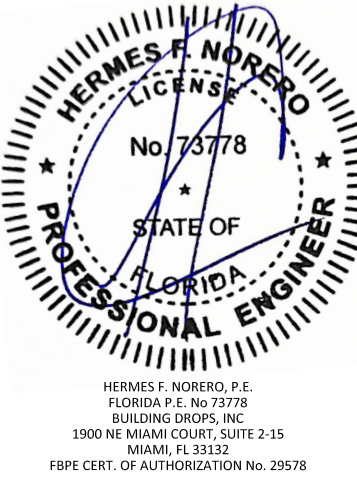
HORIZONTAL SECTIONS

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



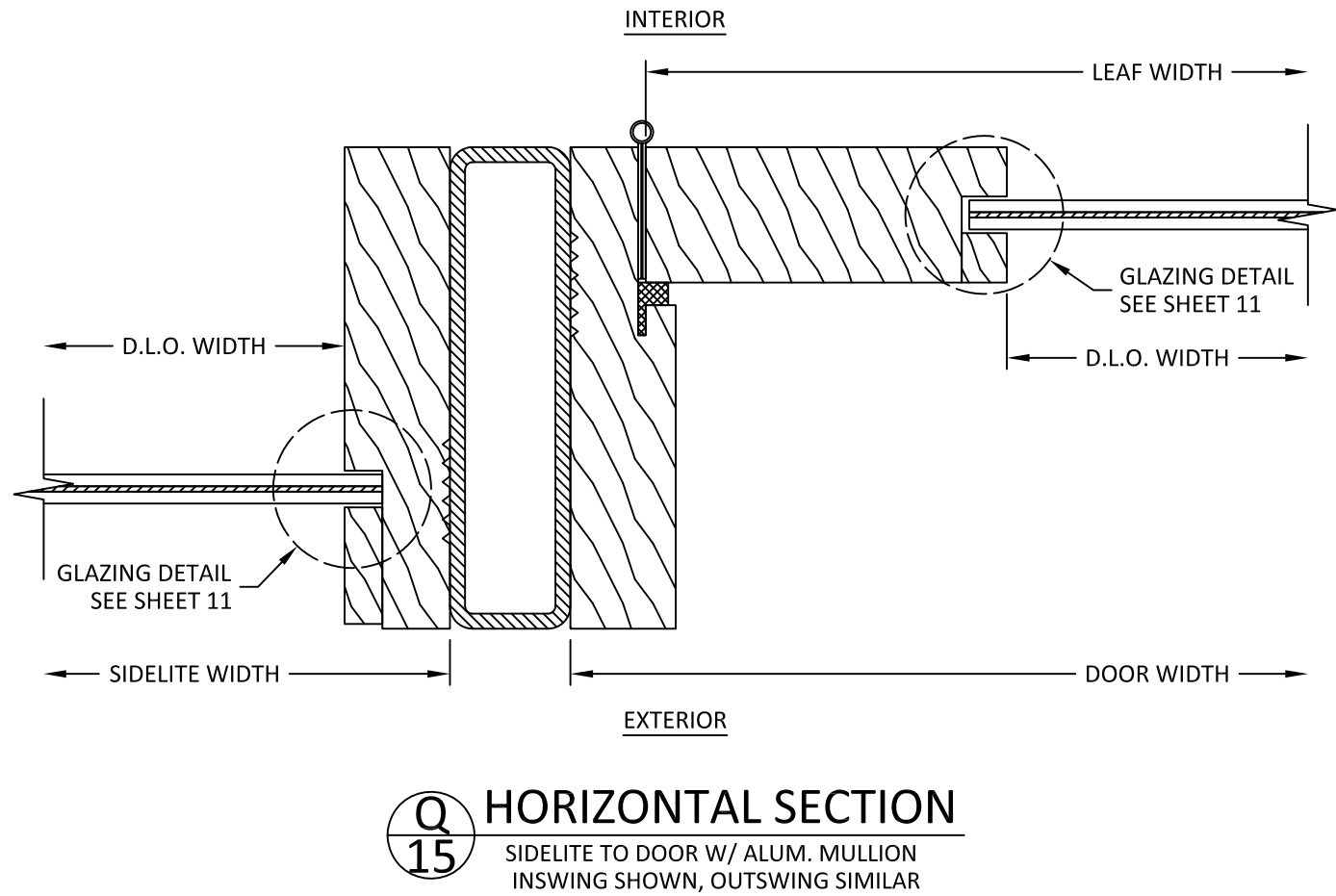
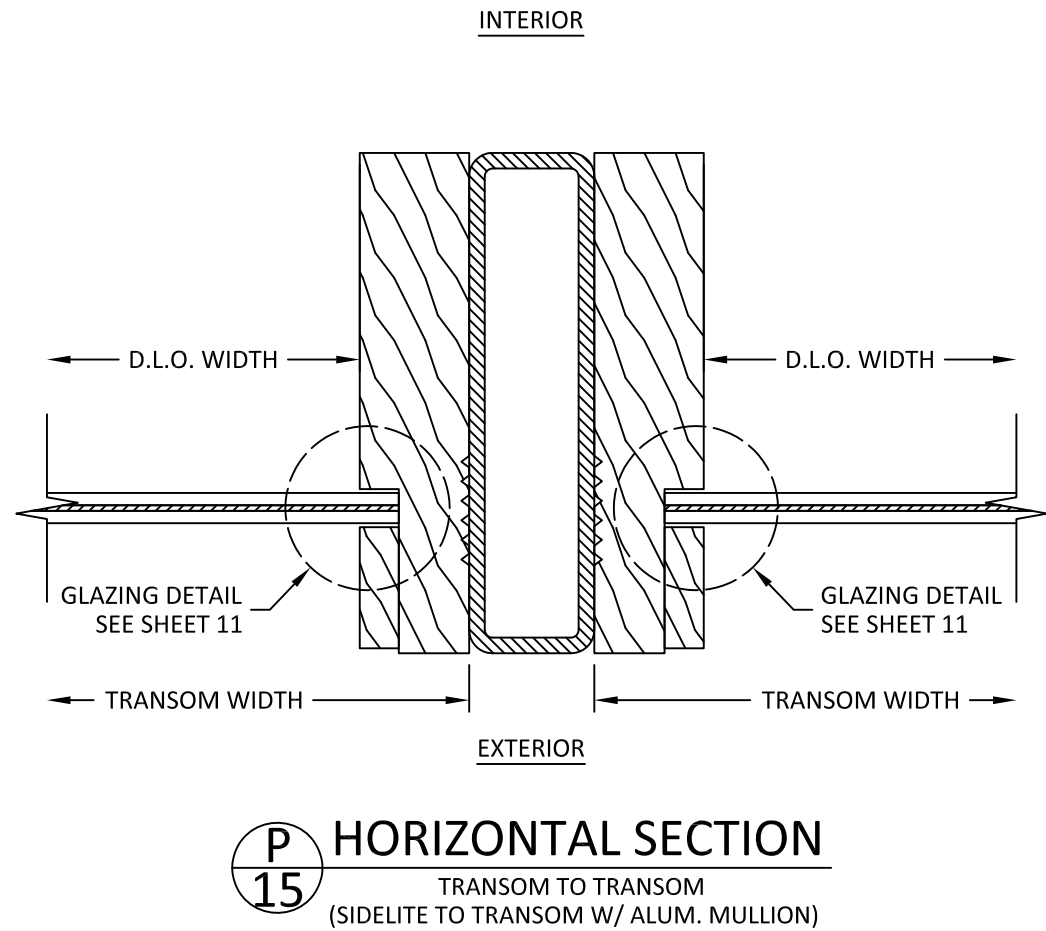
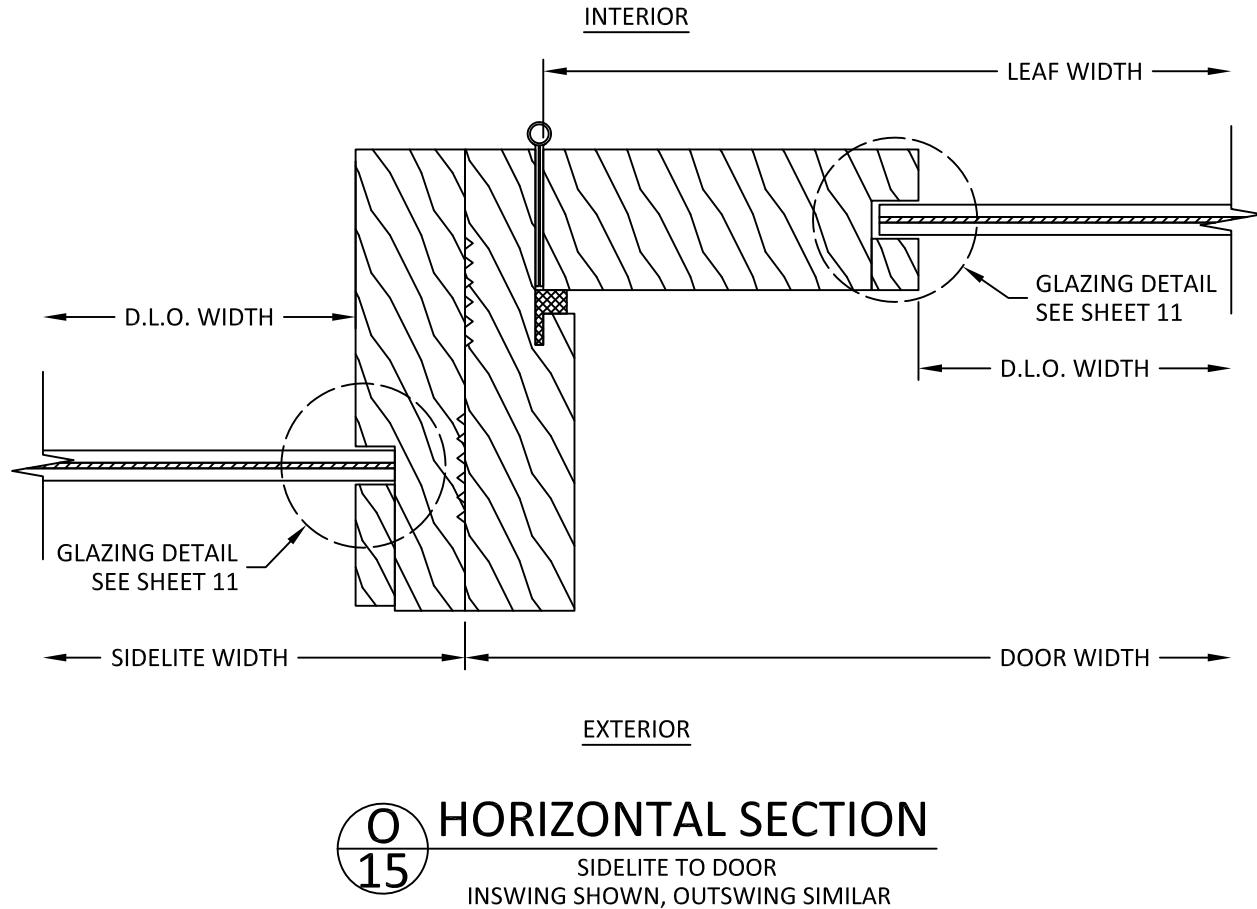
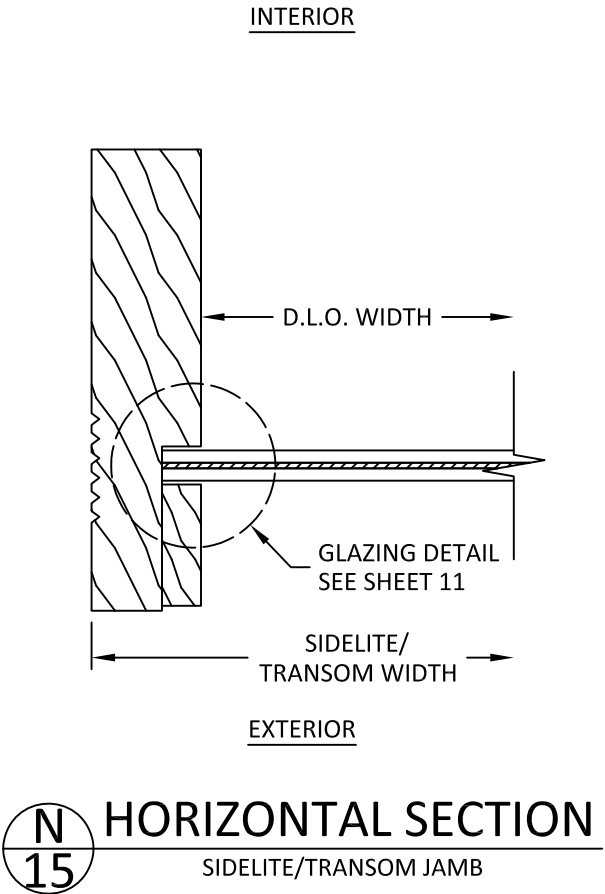
REMARKS	BY	DATE

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 #:	FL47210
DATE:	12.19.2024
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	NED002
SHEET:	14

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BUILDING DROPS

REMARKS	BY	DATE

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

FL #: **FL47210**

DATE: **12.19.2024**

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

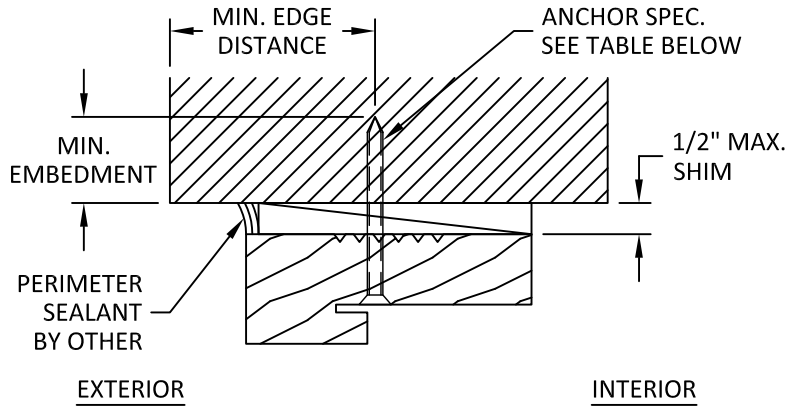
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SHEET: **15**

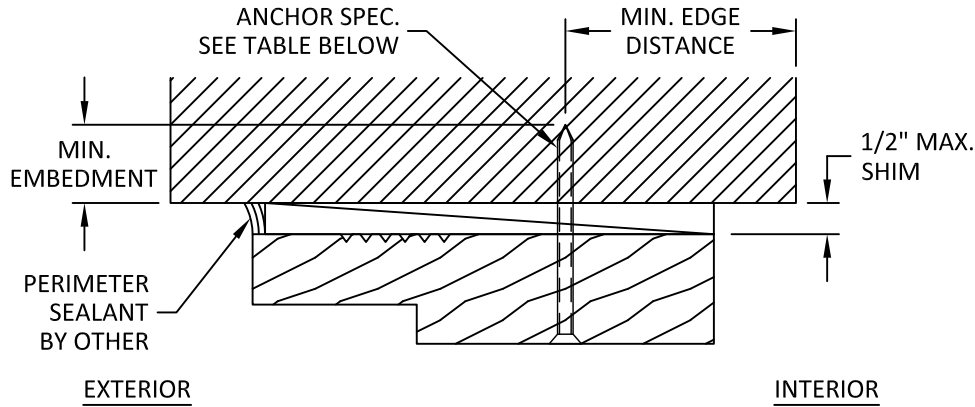
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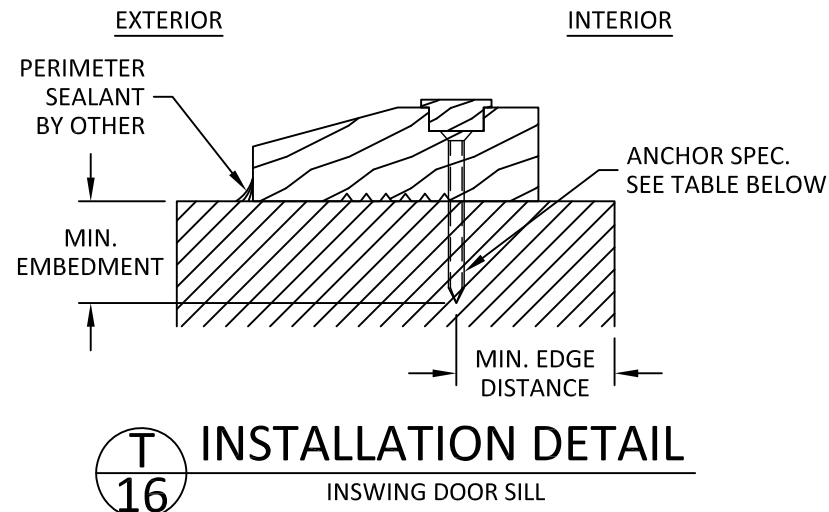
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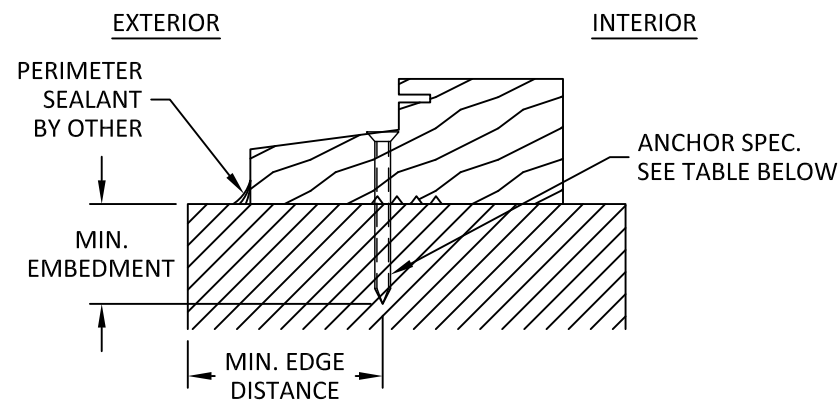
R
16 **INSTALLATION DETAIL**
DOOR HEAD
HEAD SHOWN, JAMB SIMILAR
INSWING SHOWN, OUTSWING SIMILAR



S
16 **INSTALLATION DETAIL**
SIDELITE/TRANSOM HEAD
HEAD SHOWN, JAMB & SILL SIMILAR



T
16 **INSTALLATION DETAIL**
INSWING DOOR SILL



U
16 **INSTALLATION DETAIL**
OUTSWING DOOR SILL

ANCHOR SCHEDULE				
LOCATION	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
HEAD/ SILL/ JAMB*	WOOD: MIN. S.G. = 0.55	#14 WOOD SCREW	1-1/2"	1"
	STEEL: MIN. 18 GA. MIN. Fy = 33 ksi	1/4" GRADE 5 SELF-DRILLING/ SELF-TAPPING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	1/2"
	ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5			
	CONCRETE: MIN. f'c = 3000 psi	1/4" ITW TAPCON	1-1/2"	1-1/2"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI		1"	2"
JAMB	WOOD: MIN. S.G. = 0.55	#10 WOOD SCREW	1-1/2"	1"
	STEEL: MIN. 18 GA. MIN. Fy = 33 ksi	#10 GRADE 5 SELF-DRILLING/ SELF-TAPPING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	1/2"
	ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5			
	CONCRETE: MIN. f'c = 3000 psi	3/16" ITW TAPCON	1"	1-1/8"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI		1"	2"

* WHEN DOUBLE DOOR W/ TRANSOM ARE USED, ANCHORS AT JAMBS SHALL COMPLY WITH THE SPECIFICATIONS OF ANCHORS AT HEAD AND SILL.

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION.
- 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 $\pm 1/4$ 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.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/2 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF WOOD 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.



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INSTALLATION DETAILS & NOTES

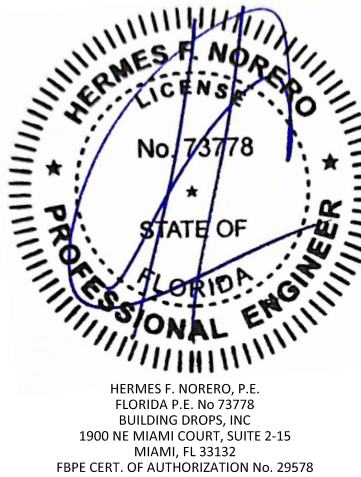
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