

UNIQUE CUSTOM DOORS, LLC

OPAQUE DOORS

(HVHZ) (IMPACT)

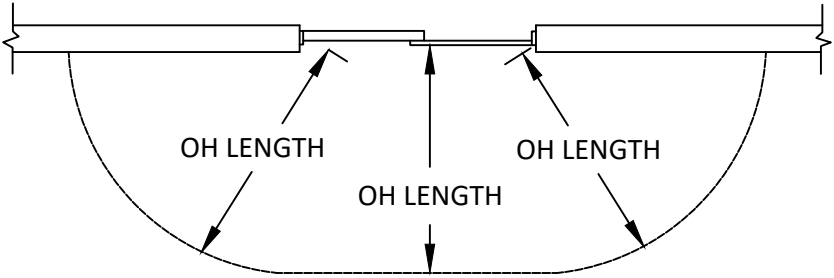
GENERAL NOTES:

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/A440-22
 - 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. FOR NON-HVHZ APPLICATIONS, DOUBLE SHAPED DOORS ARE QUALIFIED AS LONG AS THEY FIT WITHIN THE RECTANGULAR AREA OF THE TESTED DOUBLE DOORS WITHIN THIS APPROVAL.

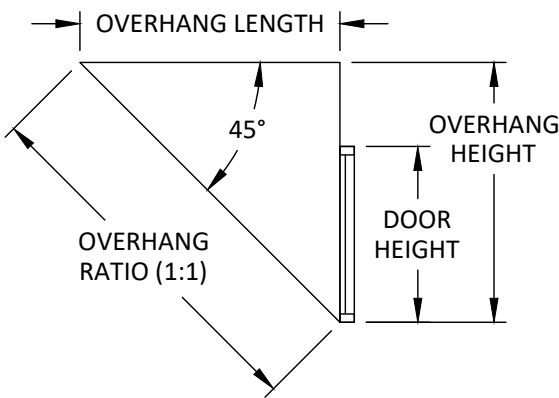
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FRAME SIZE	DESIGN PRESSURE	IMPACT MISSILE RATING
SEE SHEETS 2, 4, & 10		LARGE & SMALL MISSILE IMPACT

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



NOTE: WHEN INSTALLED AT A LOCATION PROTECTED BY AN OVERHANG SUCH THAT:
OVERHANG (OH) RATIO = OH LENGTH ÷ OH HEIGHT IS ≥ 1.0,
PRODUCT REQUIRES LIMITED WATER (LW) TESTING



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

TITLE:
OPAQUE 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

BUILDING DROPS

REMARKS	BY	DATE
2026 CODE CHANGE	OS	09.11.2026

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.10.09 16:25:47 -0400'



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 #:
FL47209

DATE:
12.19.2024

DWG. BY:
MS

CHK. BY:
HFN

SCALE:
NTS

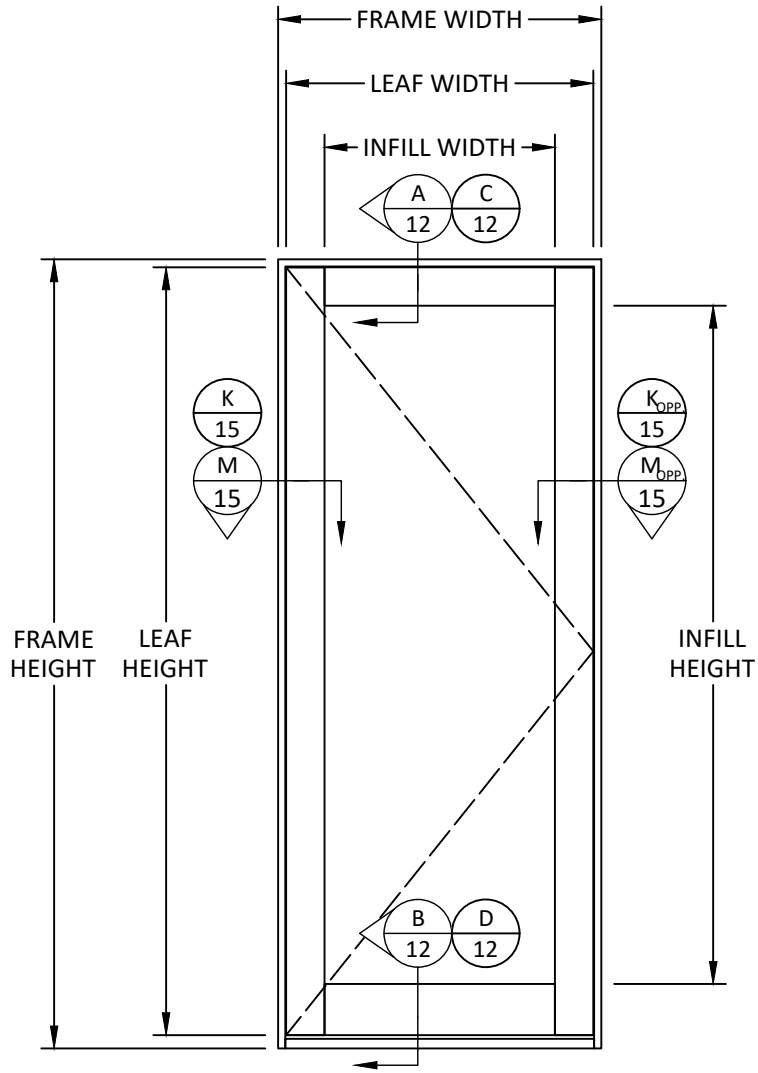
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UCD005

SHEET:
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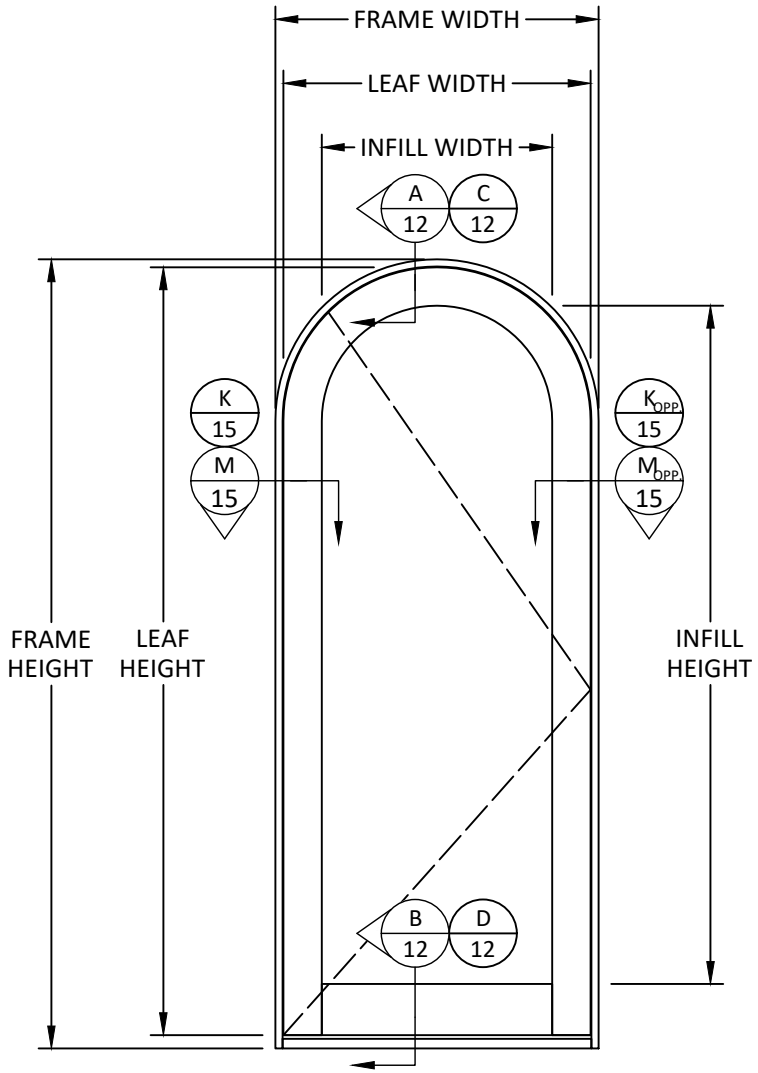
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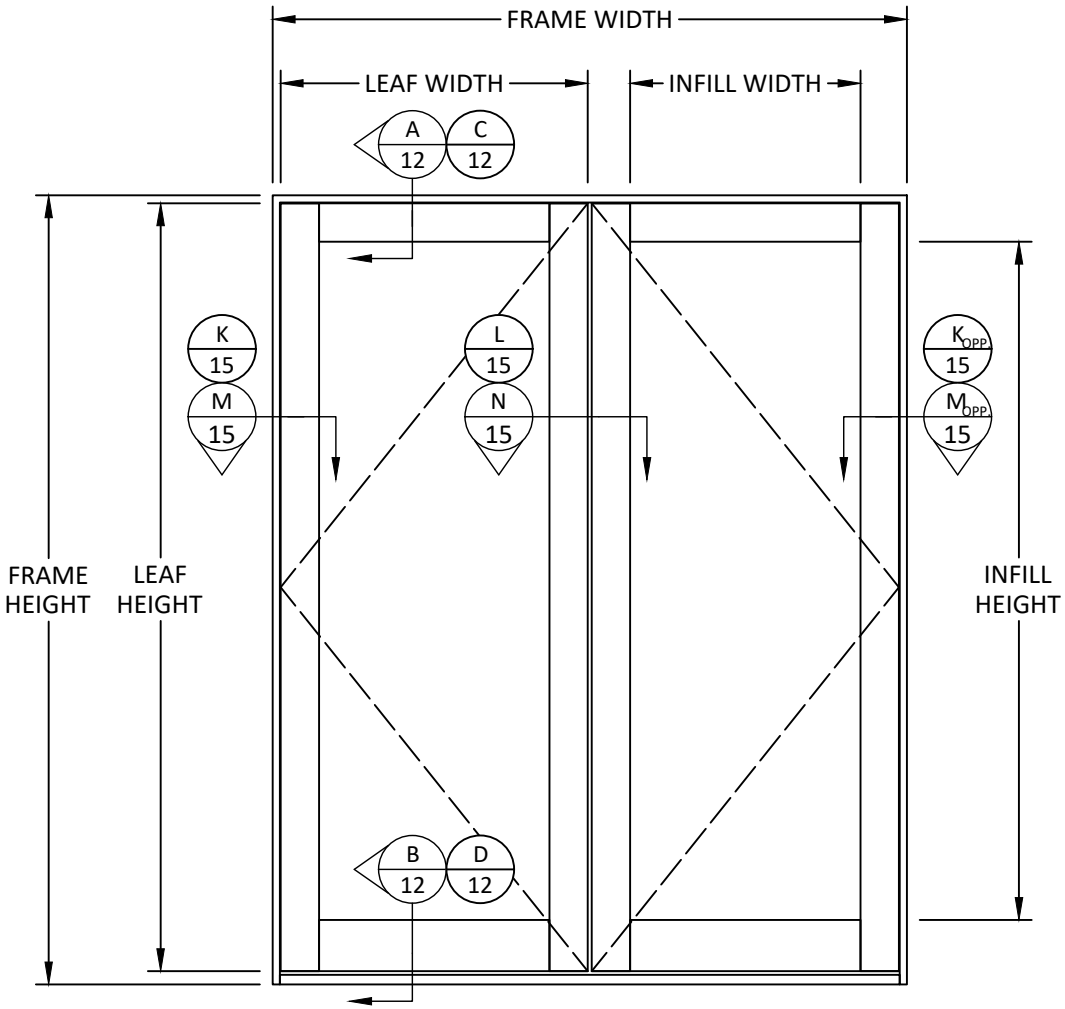
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TYPICAL ELEVATION
SINGLE DOOR



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"
INFILL WIDTH = LEAF WIDTH - 12"
INFILL HEIGHT = LEAF HEIGHT - 14"
FRAME WIDTH (SINGLE) = LEAF WIDTH + 2.5"
FRAME WIDTH (DOUBLE) = 2* LEAF WIDTH + 3.125"



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

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OPAQUE DOORS
(HVHZ) (IMPACT)
TYPICAL ELEVATIONS & DP TABLE
(SINGLE & DOUBLE DOOR)

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
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FAX: (954) 744-4738
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BUILDING DROPS

REMARKS	BY	DATE
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FLORIDA P.E. No. 73778
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FL #: **FL47209**

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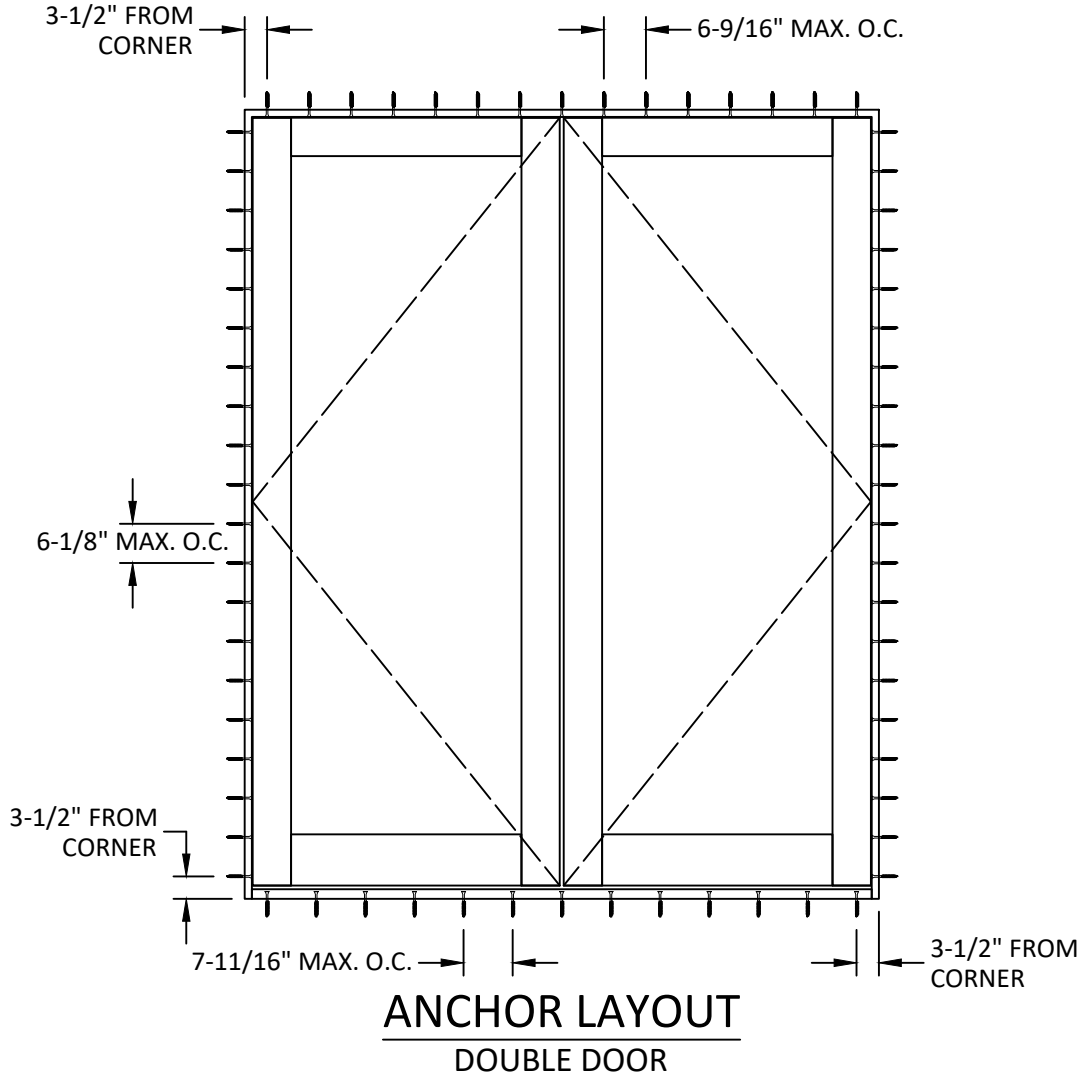
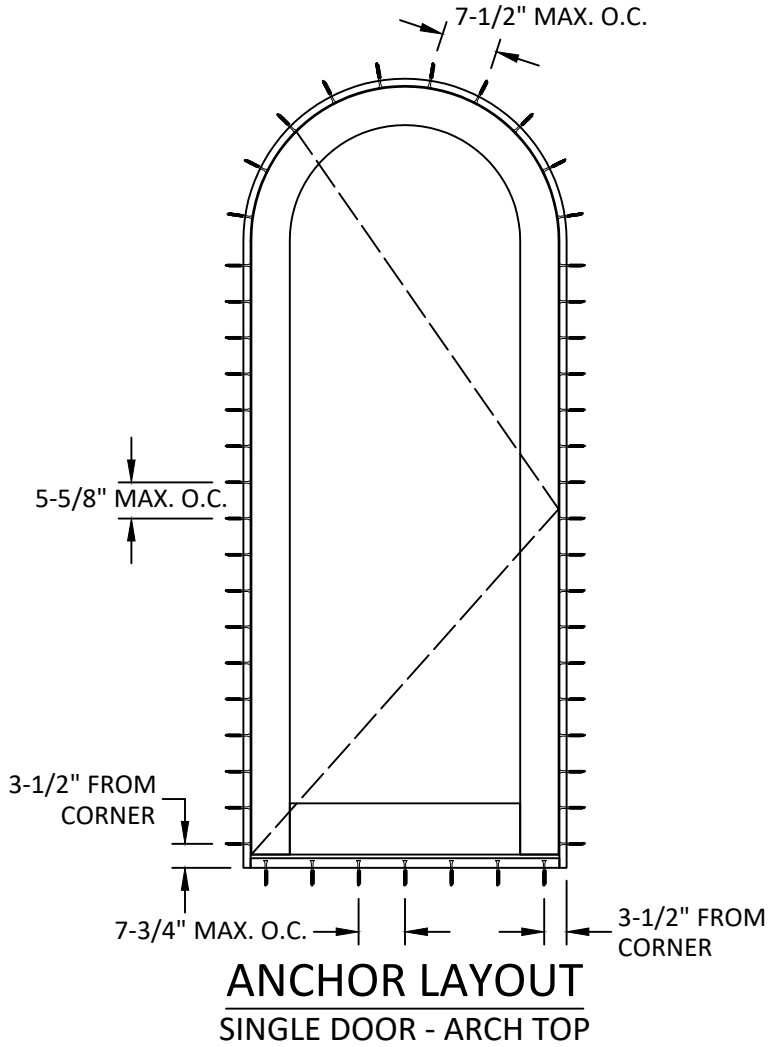
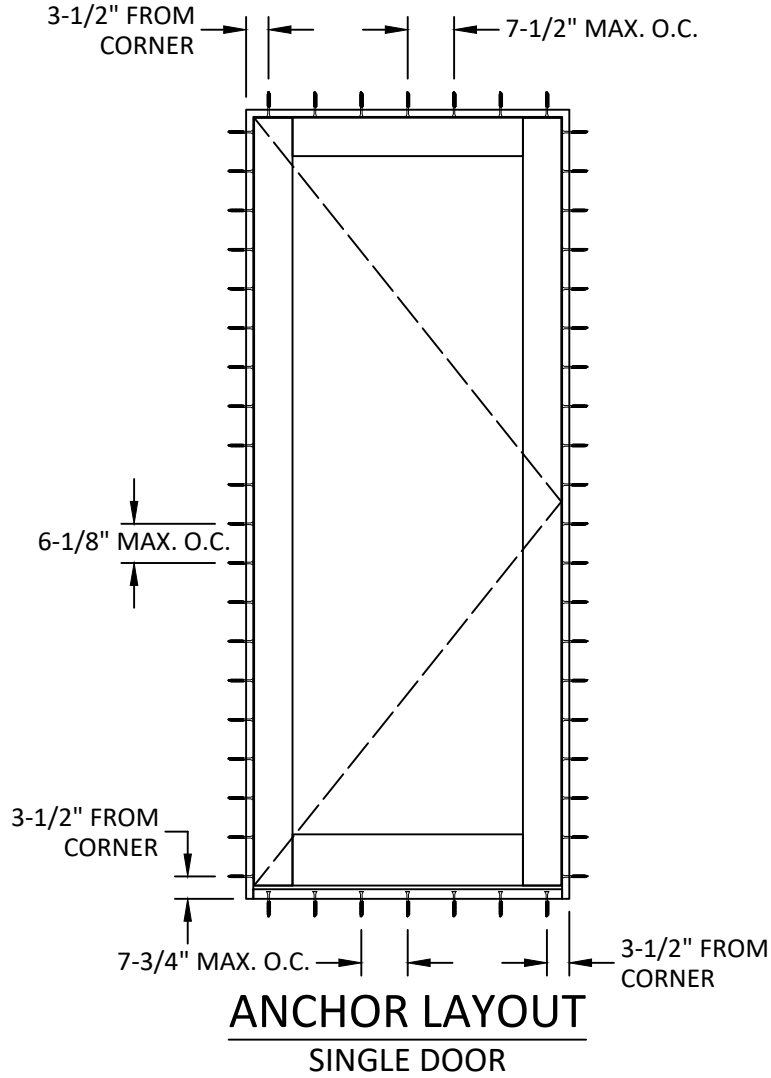
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SCALE: **NTS**

DWG. #: **UCD005**

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

TITLE:

OPAQUE DOORS
(HVHZ) (IMPACT)
ANCHOR LAYOUTS
(SINGLE & DOUBLE DOOR)

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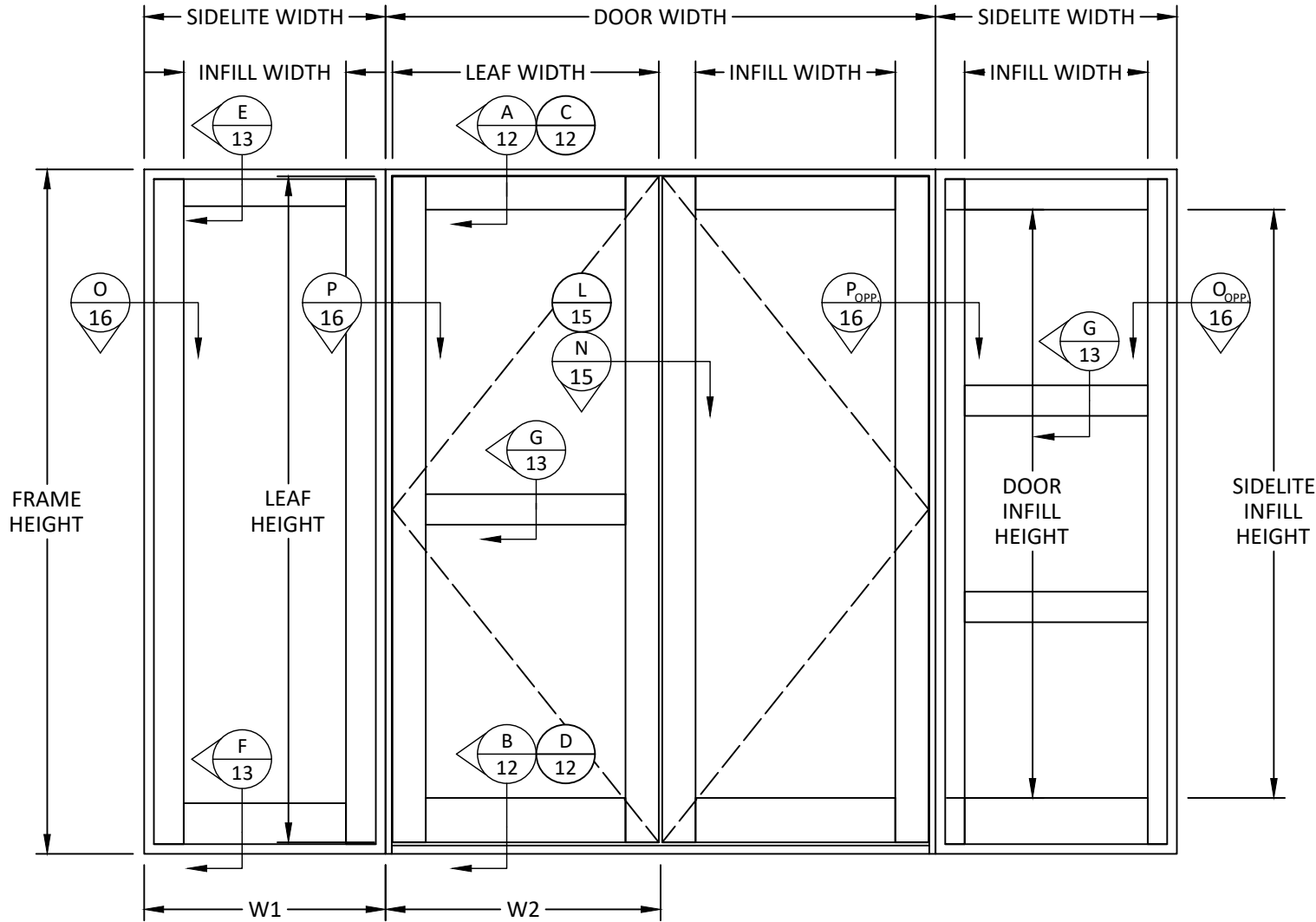
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SCALE: **NTS**

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SHEET:	REV. A
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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	75.00	75.00	75.00	75.00	75.00
54	75.00	75.00	75.00	75.00	70.13	70.13	70.13	70.13	70.13
60	75.00	75.00	75.00	75.00	68.35	60.67	60.67	60.67	60.67
66	75.00	75.00	75.00	75.00	68.35	59.34	53.47	53.47	53.47
72	75.00	75.00	75.00	75.00	68.35	59.34	52.43	47.79	47.79
78	75.00	75.00	75.00	75.00	68.35	59.34	52.43	46.96	-
84	75.00	75.00	75.00	75.00	68.35	59.34	52.43	-	-
90	75.00	75.00	75.00	75.00	68.35	59.34	-	-	-
96	75.00	75.00	75.00	75.00	68.35	59.34	-	-	-
102	75.00	75.00	75.00	75.00	68.35	-	-	-	-
108	75.00	75.00	75.00	75.00	68.35	-	-	-	-
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 INFILL WIDTH = SIDELITE WIDTH - 8.5"
SIDELITE INFILL HEIGHT = FRAME HEIGHT - 15.5"
TRIBUTARY WIDTH = $\frac{W1 + W2}{2}$

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

TITLE:
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(HVHZ) (IMPACT)
TYPICAL ELEVATION & DP TABLES
(DOOR W/ SIDELITE)

PREPARED BY:
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REMARKS	BY	DATE
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1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL47209**

DATE: **12.19.2024**

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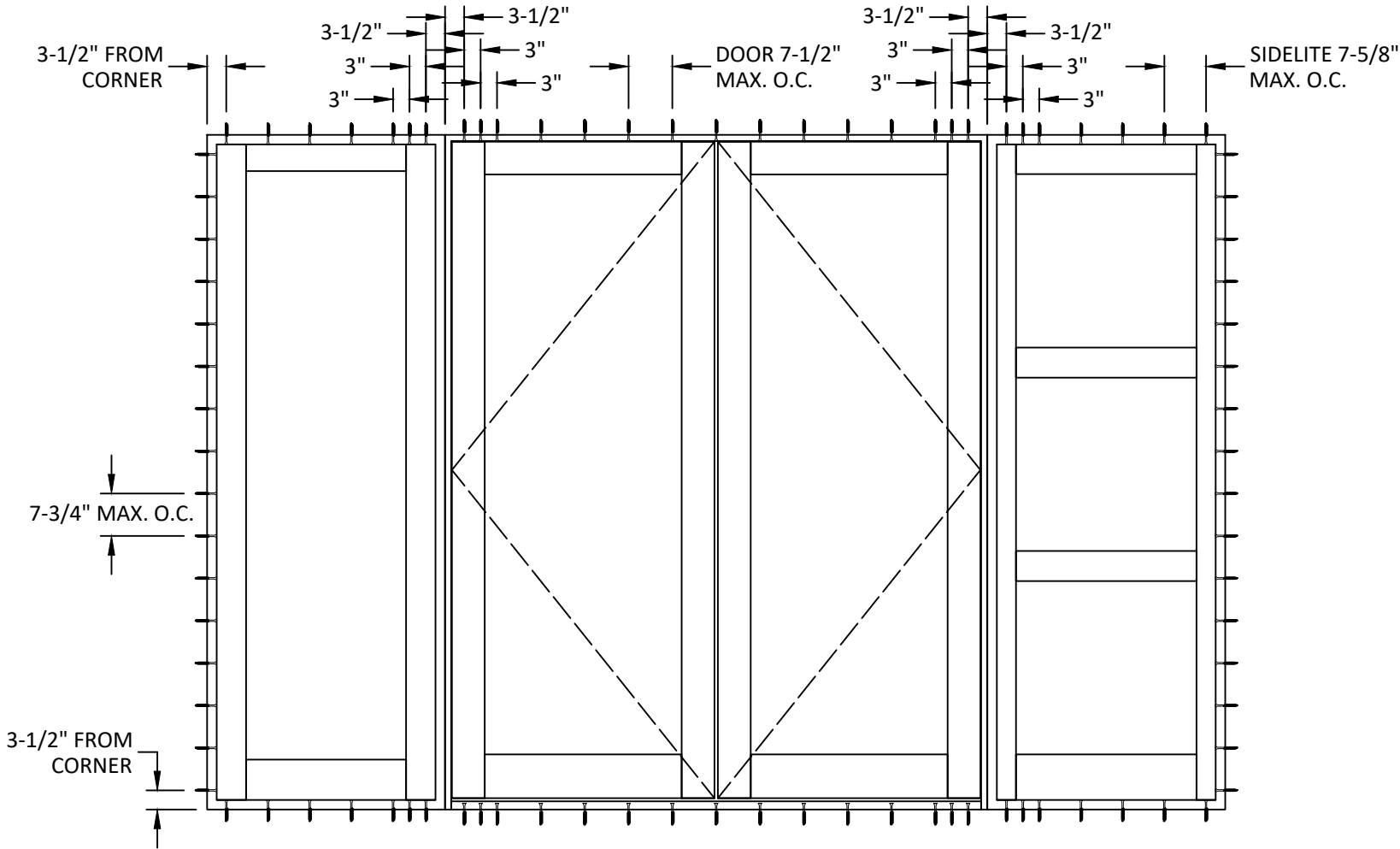
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ANCHOR LAYOUT
DOUBLE DOOR W/ SIDELITE
SINGLE DOOR SIMILAR



2787 N AIRPORT ROAD #410
FORT MYERS, FL 33907
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OPAQUE DOORS
(HVHZ) (IMPACT)
ANCHOR LAYOUT
(DOOR W/ SIDELITE)

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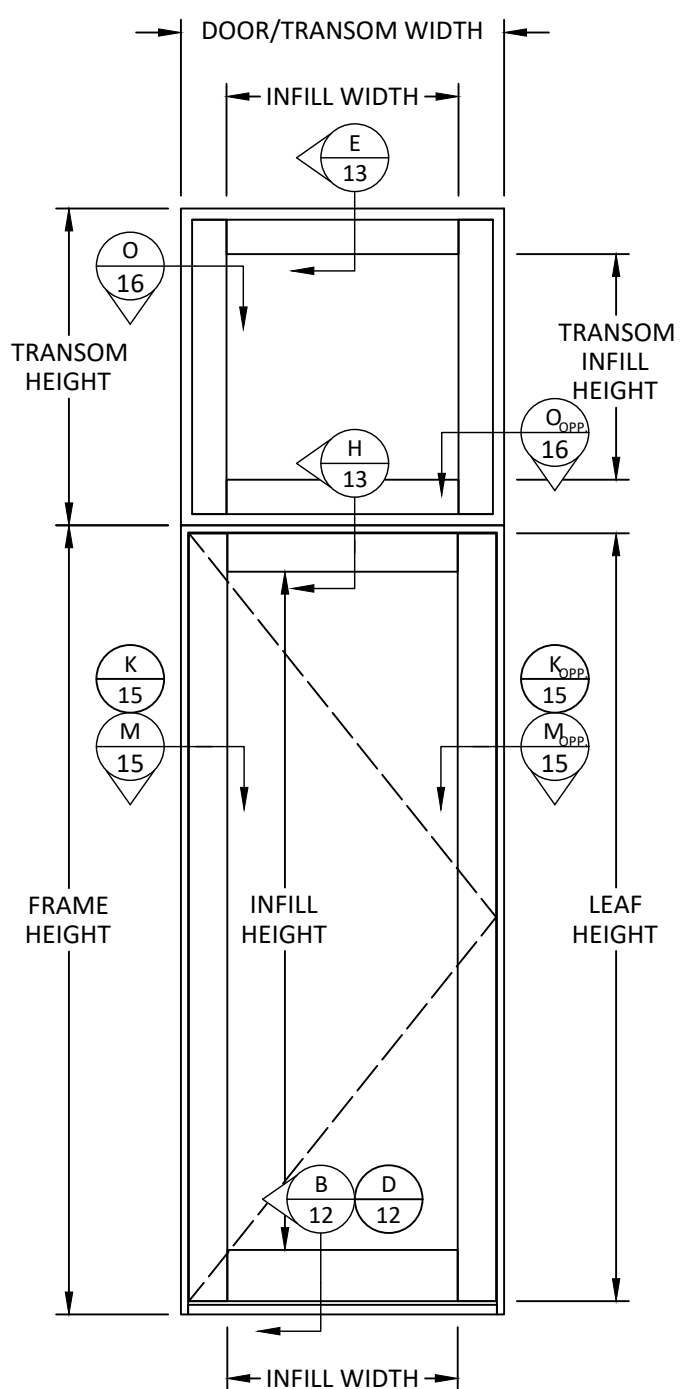
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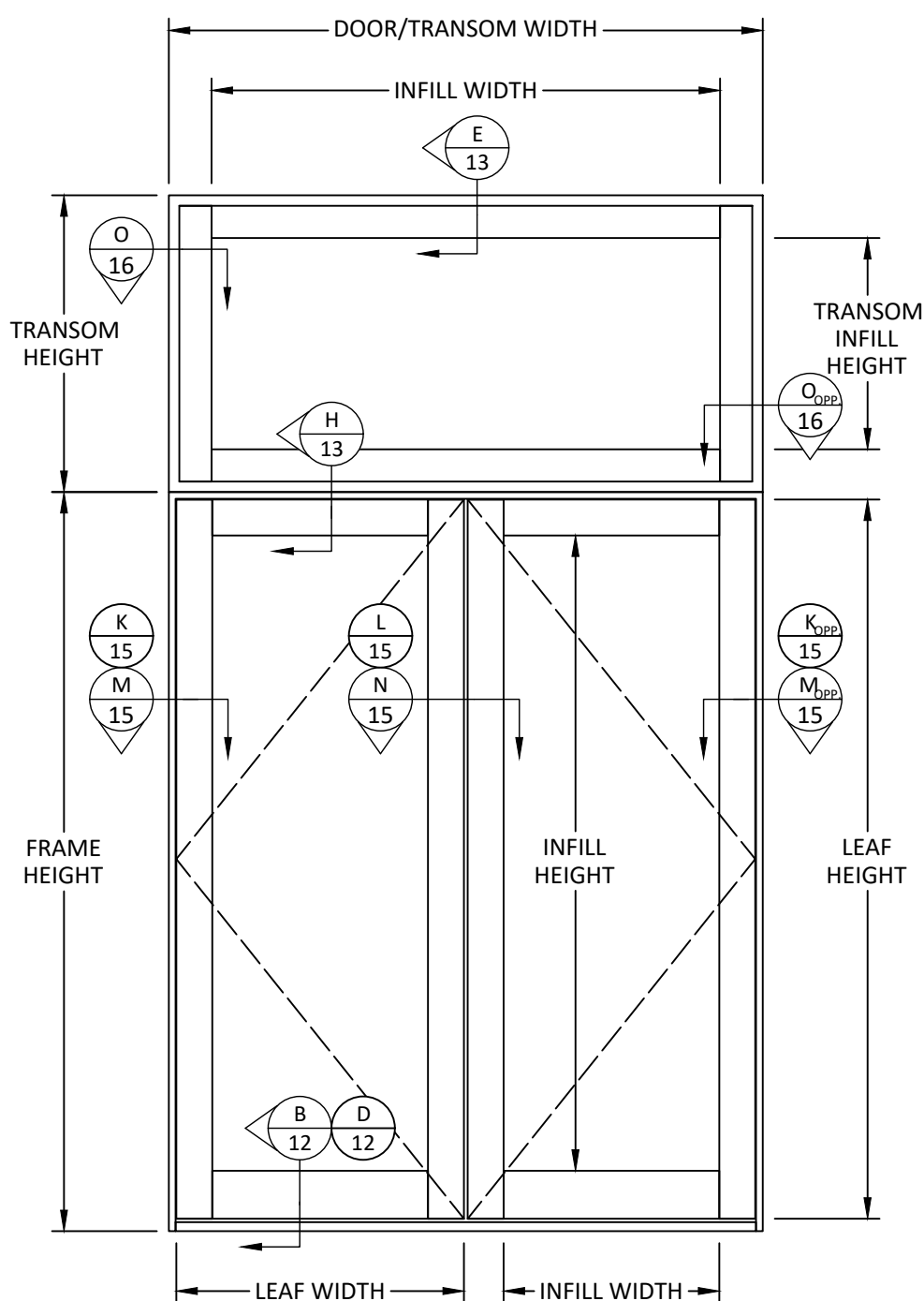
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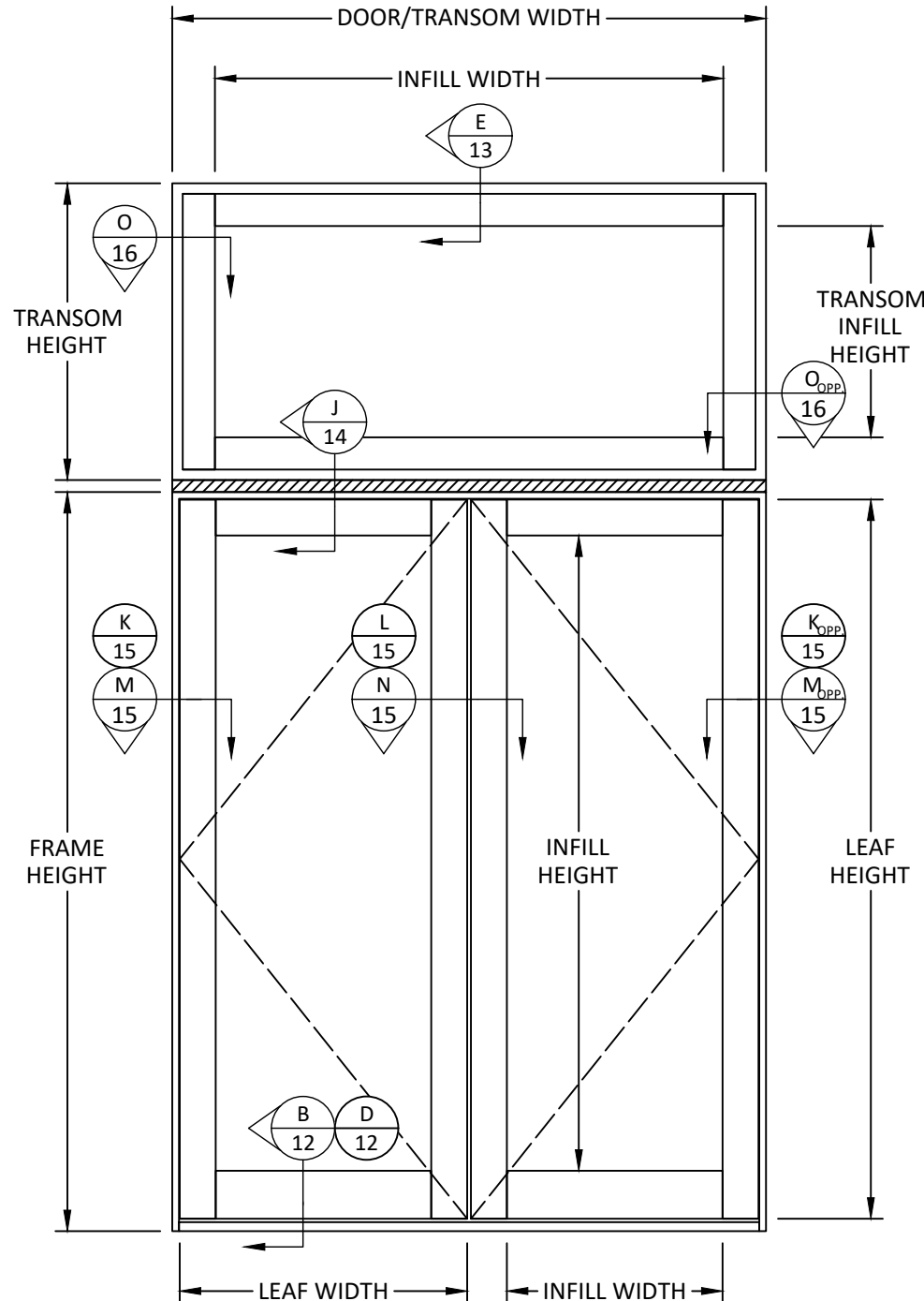
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TYPICAL ELEVATION
SINGLE DOOR W/ TRANSOM
SIDELITE W/ TRANSOM SIMILAR



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
APPROVAL FOR SHAPE, SIZE, FRAME DEPTH, AND
GLAZING/INFILL TYPE.



2787 N AIRPORT ROAD #410
FORT MYERS, FL 33907
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TITLE: OPAQUE DOORS (HVHZ) (IMPACT)
TYPICAL ELEVATIONS (DOOR W/ TRANSOM)

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HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
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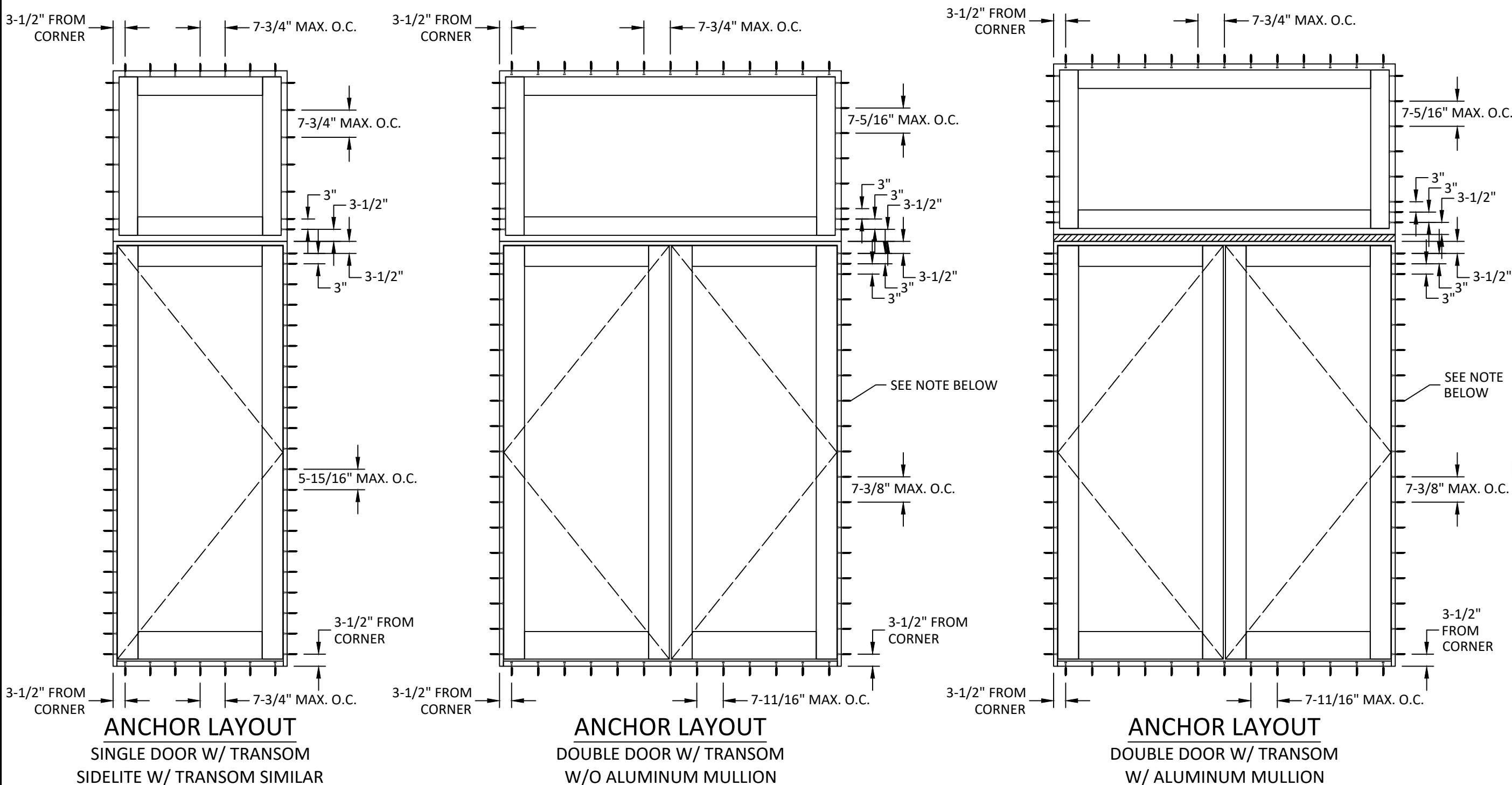
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SCALE: NTS

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WHEN DOUBLE DOOR W/ TRANSOM ARE USED, ANCHORS AT THE JAMB SHALL COMPLY WITH THE SPECIFICATIONS OF ANCHORS AT HEAD AND SILL. SEE SHEET 18 FOR DETAILS.



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ANCHOR LAYOUTS
(DOOR W/ TRANSOM)

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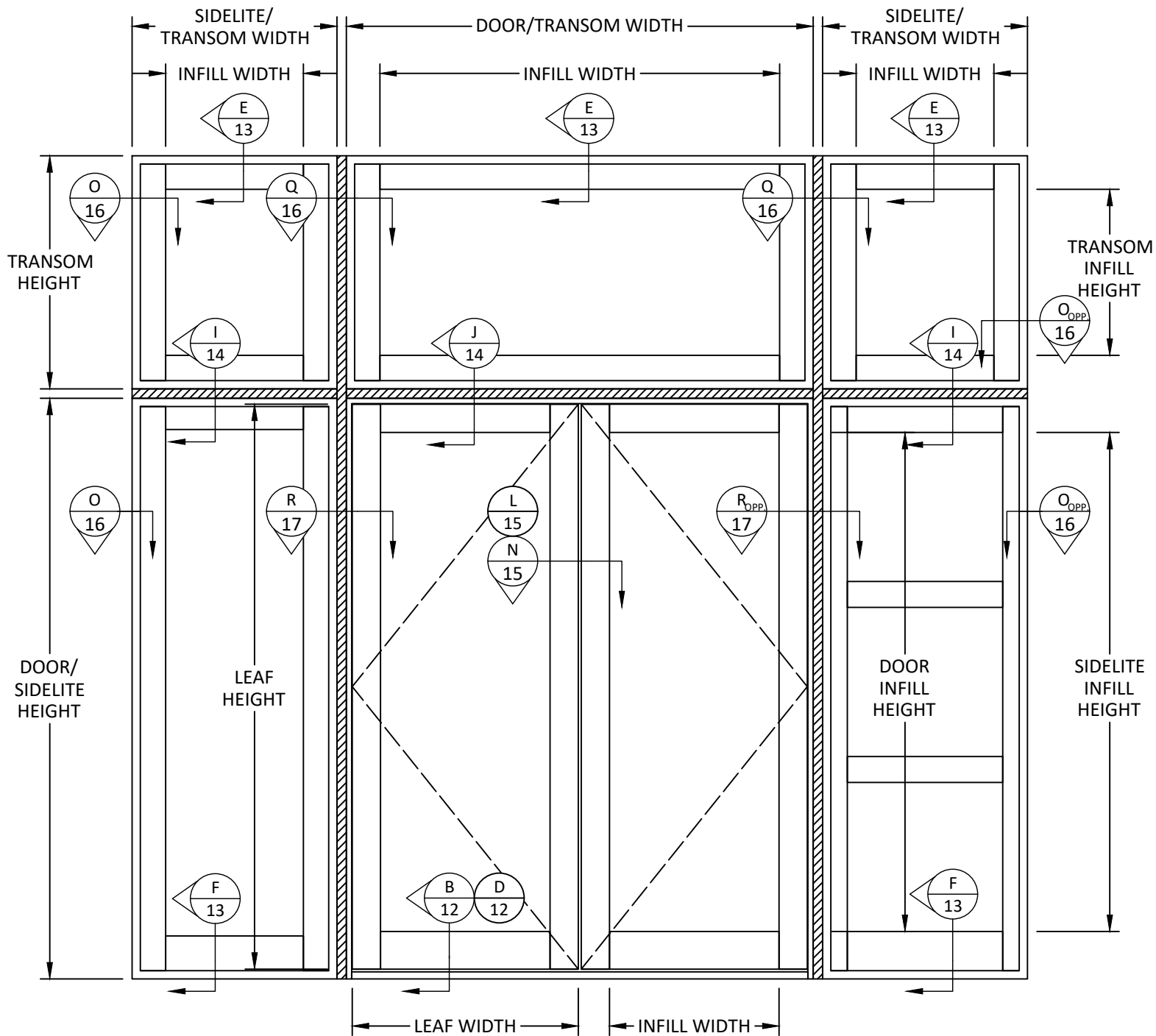
B.D.
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SHEET:	7	REV. A



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.

UNIQUE
CUSTOM DOORS

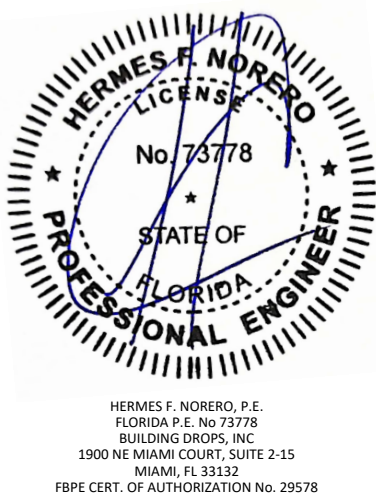
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HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL47209**

DATE: **12.19.2024**

DWG. BY:
MS

CHK. BY:
HFN

SCALE: **NTS**

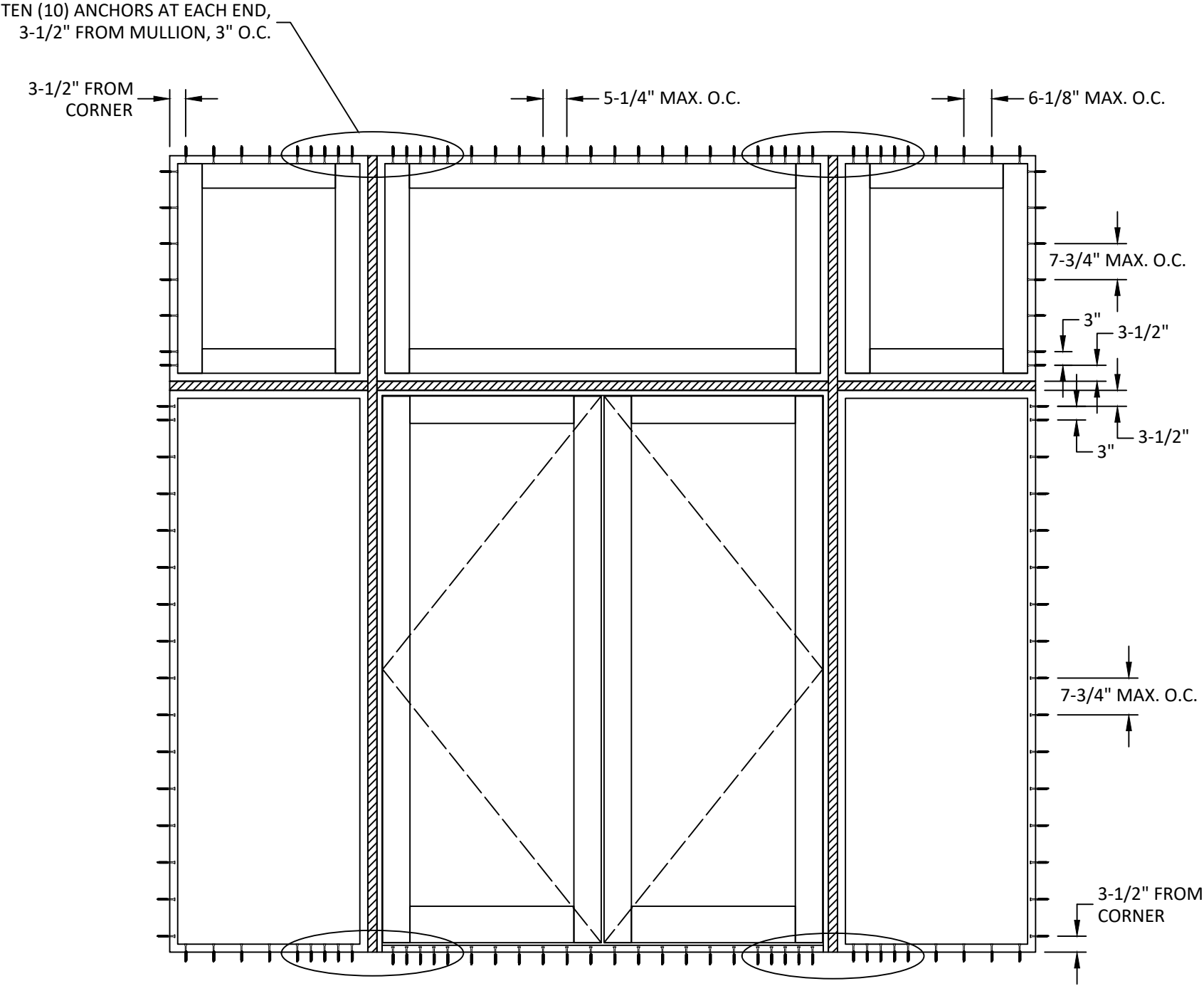
DWG. #: **UCD005**

SHEET:

8

REV.

A



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



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

TITLE:

OPAQUE DOORS
(HVHZ) (IMPACT)
ANCHOR LAYOUT

(DOOR W/ SIDELITE & TRANSMOM)

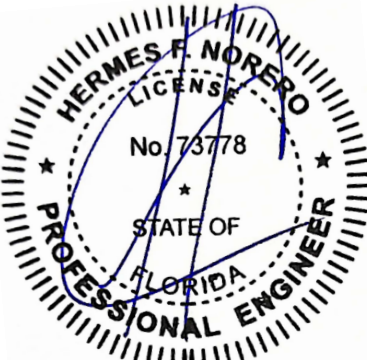
PREPARED BY:

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


BUILDING DROPS

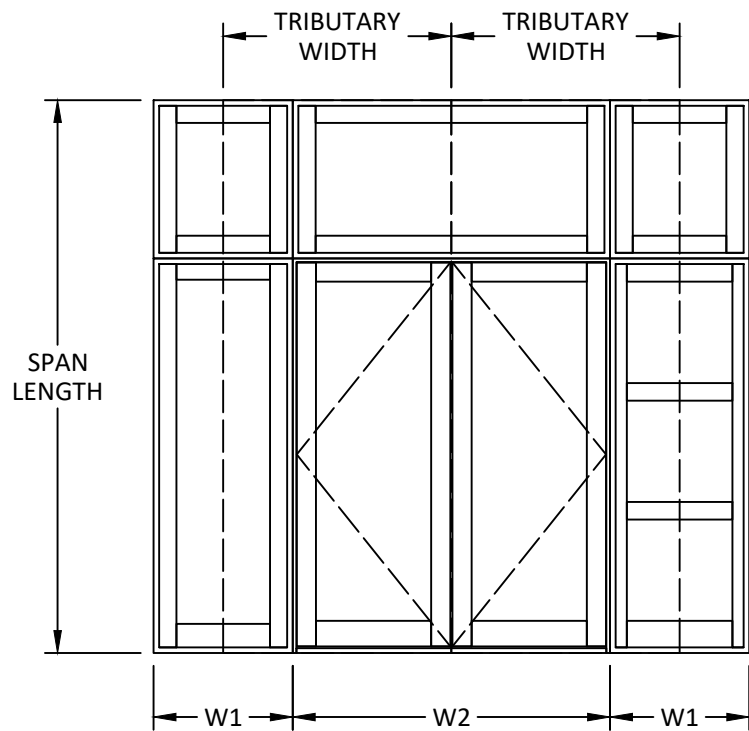
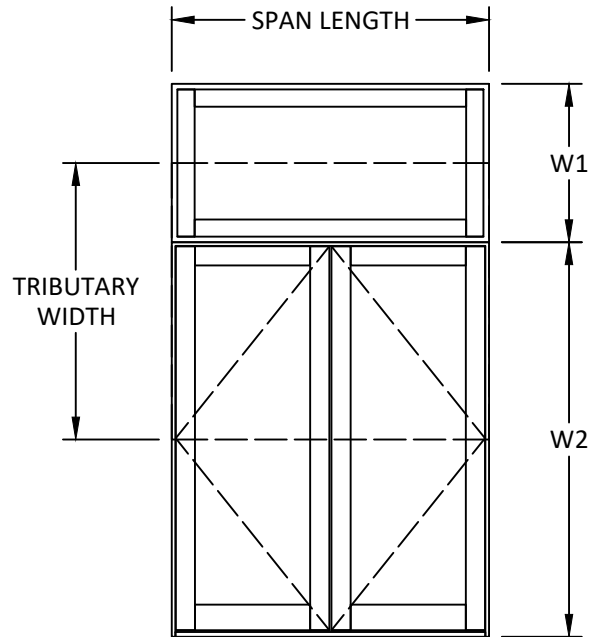
REMARKS	BY	DATE
2026 CODE CHANGE	OS	09.11.2026

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DATE:	12.19.2024
DWG. BY: MS	CHK. BY: HFN
SCALE:	NTS
DWG. #:	UCD005
SHEET:	REV. A



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	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.

UNIQUE
CUSTOM DOORS

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

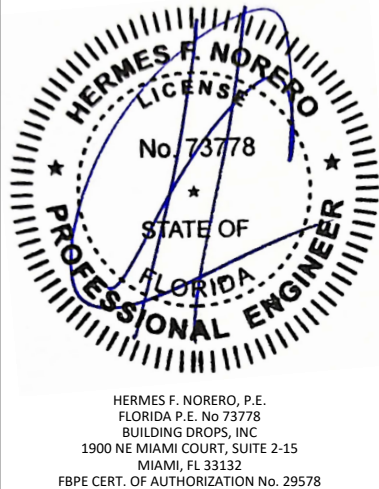
TITLE: OPAQUE DOORS
(HVHZ) (IMPACT)
DP TABLES (DOOR W/ TRANSOM/
SIDELITE & TRANSOM)

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
2026 CODE CHANGE	OS	09.11.2026

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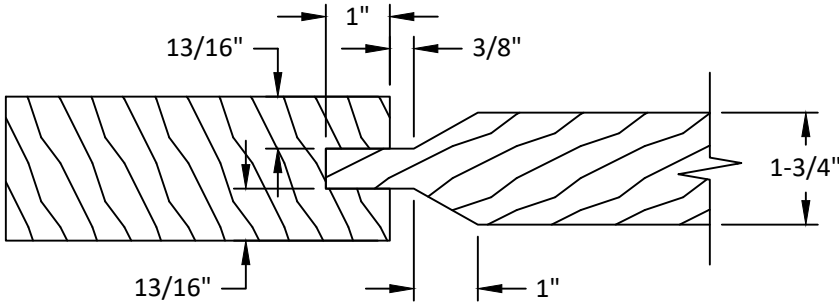
FL #:	FL47209
DATE:	12.19.2024
DWG. BY:	CHK. BY:
MS	HFN
SCALE:	NTS
DWG. #:	UCD005
SHEET:	REV. A

10



DOOR LEAF CONFIGURATIONS
SEE MANUFACTURER'S INSTRUCTION
FOR ALTERNATE CONFIGURATIONS & DESIGNS

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



INFILL DETAIL

NOTE: SIDELITES/TRANSOMS MAY BE GLAZED. FOR GLAZED SIDELITE/TRANSOM DETAILS AND QUALIFIED GLASS CONFIGURATIONS REFER TO GLAZED DOOR FPA.

INFILL NOTE: SEE MANUFACTURER'S INSTRUCTION FOR ALTERNATE INFILL DESIGNS AND DIMENSIONS.



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

TITLE:

OPAQUE DOORS
(HVHZ) (IMPACT)

DOOR LEAF CONFIG., QUALIFIED
HARDWARE & INFILL DETAILS

PREPARED BY:

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

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

FL #: **FL47209**

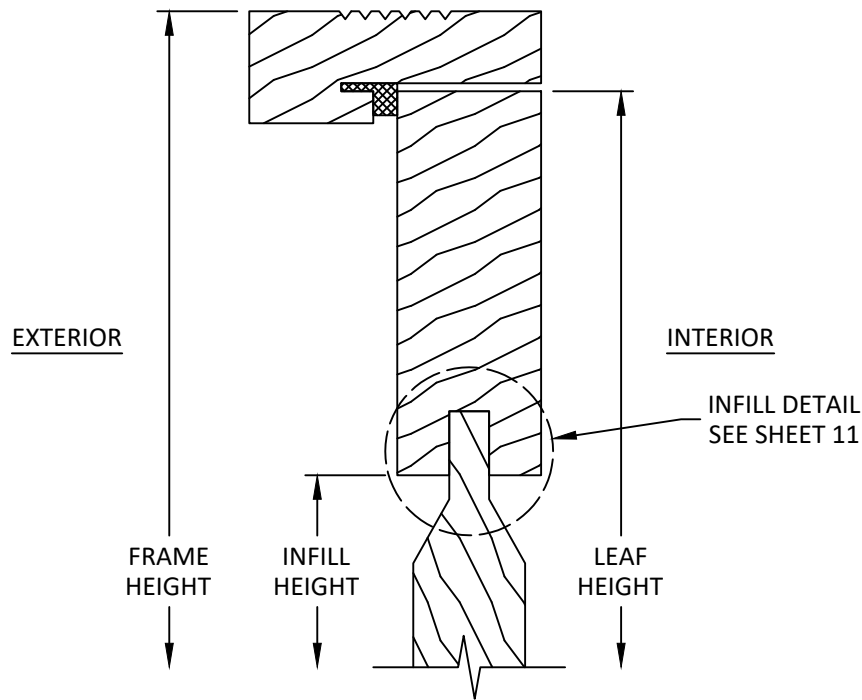
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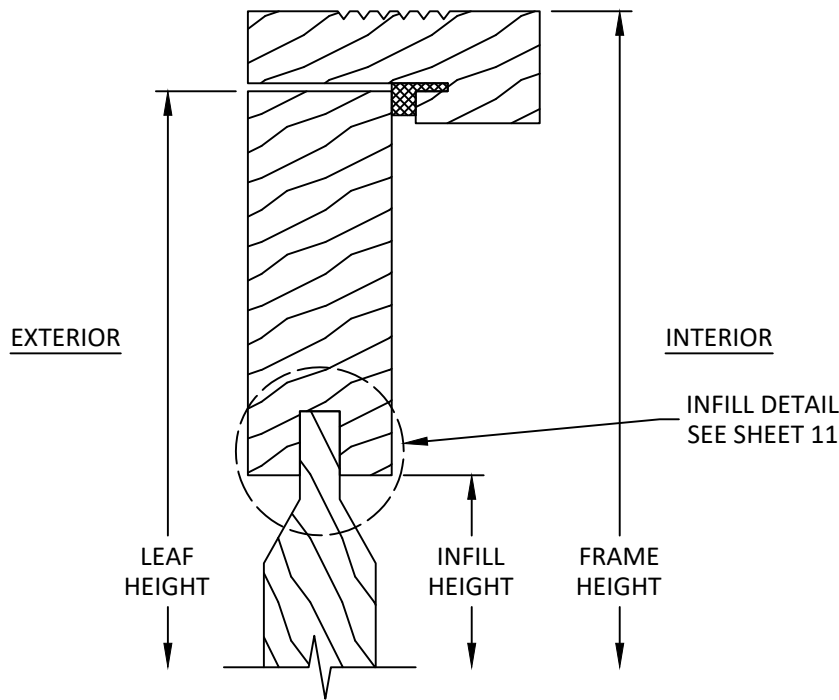
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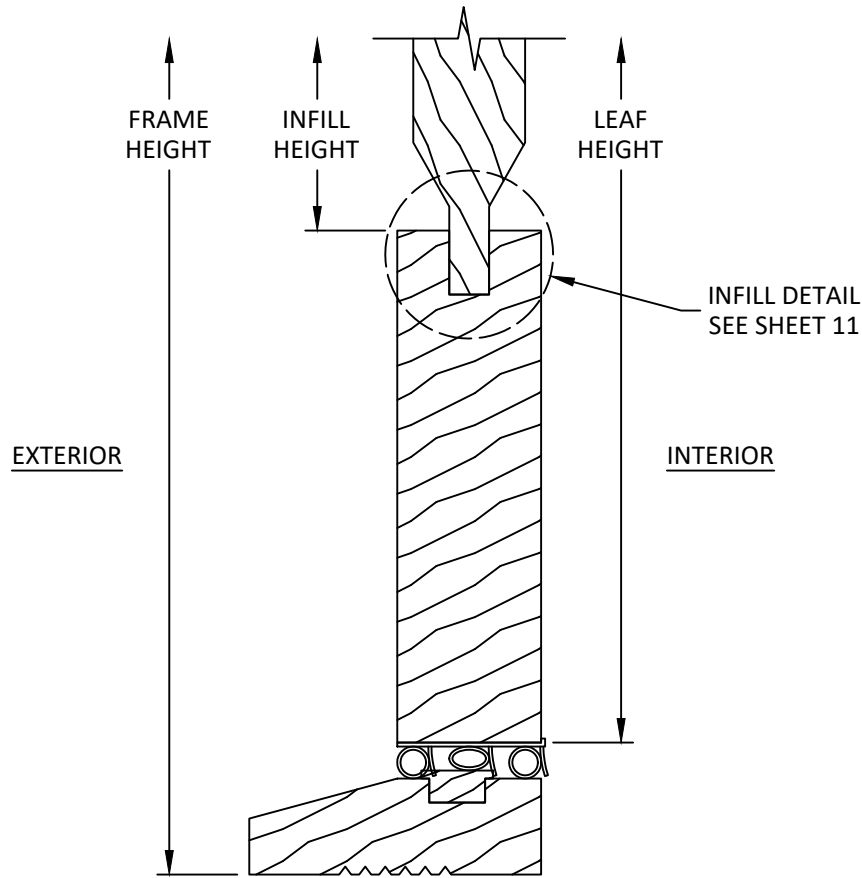
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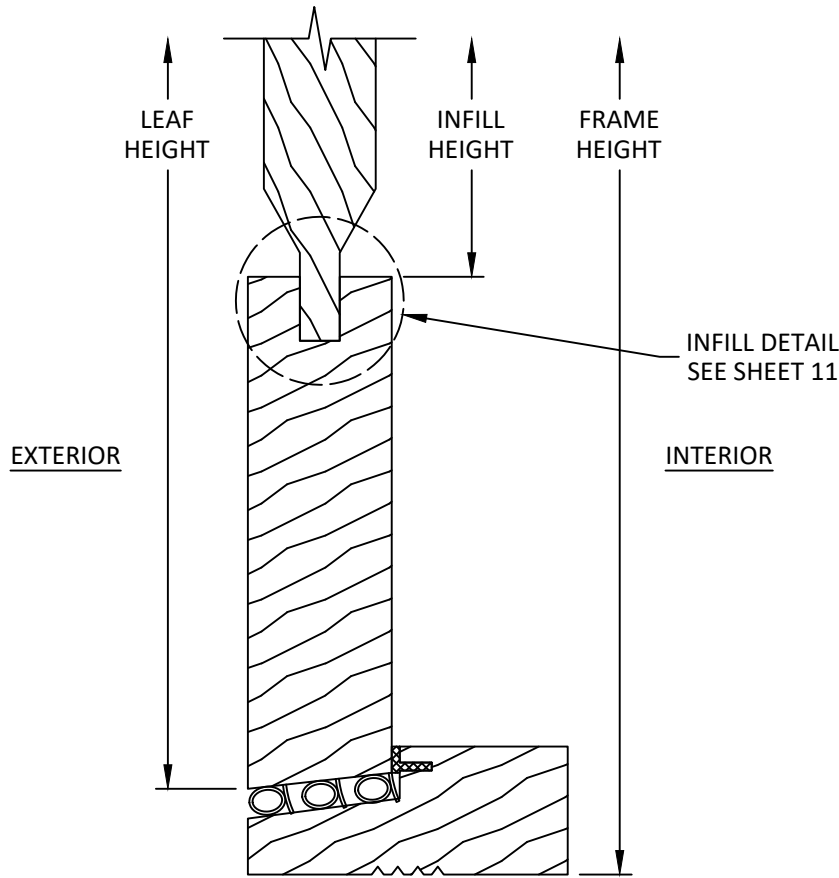
A
12 VERTICAL SECTION
INSWING DOOR HEAD



C
12 VERTICAL SECTION
OUTSWING DOOR HEAD



B
12 VERTICAL SECTION
INSWING DOOR SILL



D
12 VERTICAL SECTION
OUTSWING DOOR SILL



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

TITLE:
OPAQUE DOORS
(HVHZ) (IMPACT)
VERTICAL 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

BUILDING DROPS

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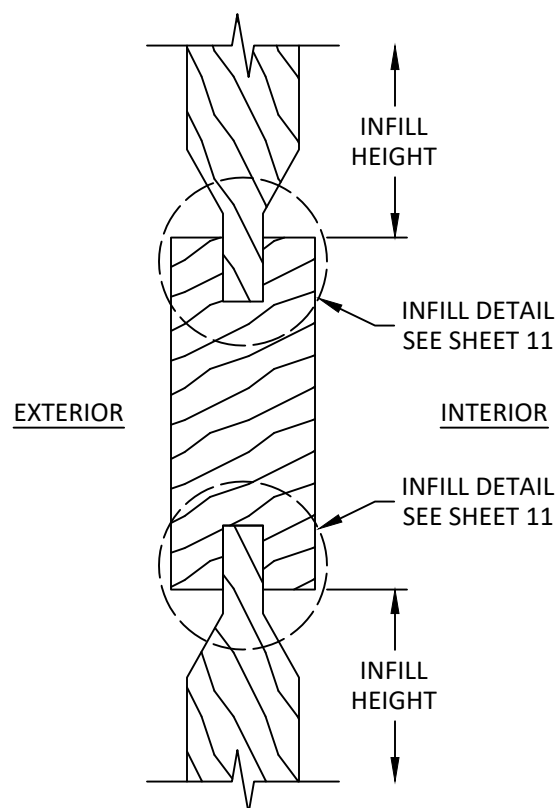
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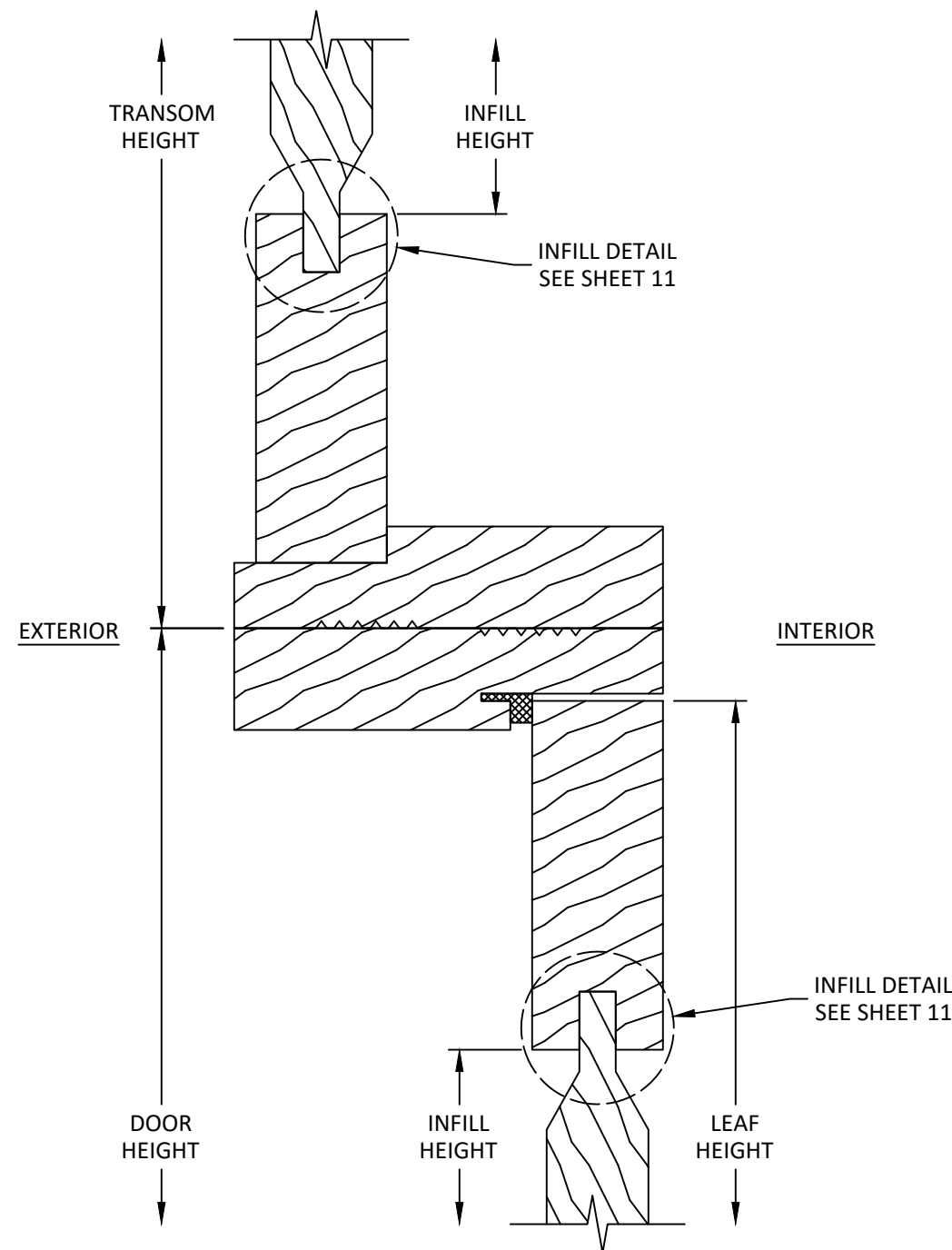
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SHEET: **12** REV. **A**

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VERTICAL SECTION



VERTICAL SECTION

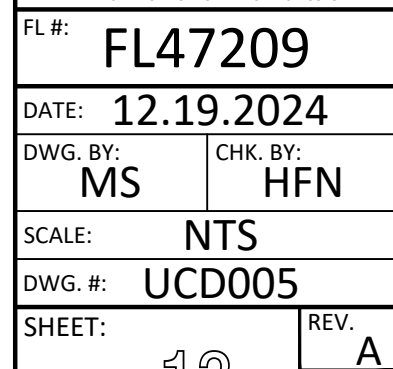
TRANSOM TO DOOR
INSWING SHOWN, OUTSWING SIMILAR
TRANSOM TO SIDELITE SIMILAR

PREPARED BY:

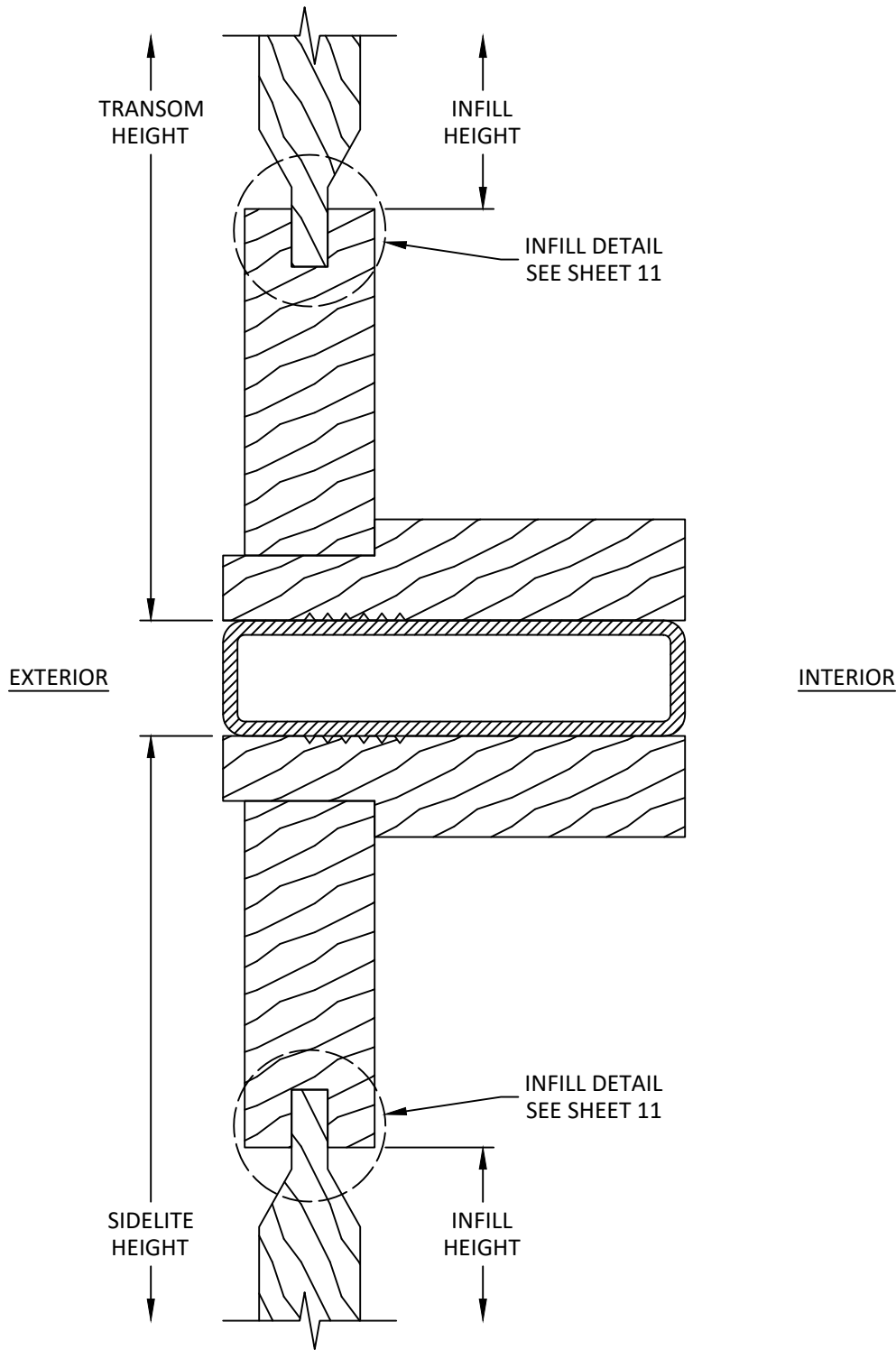
 **BUILDING DROPS**

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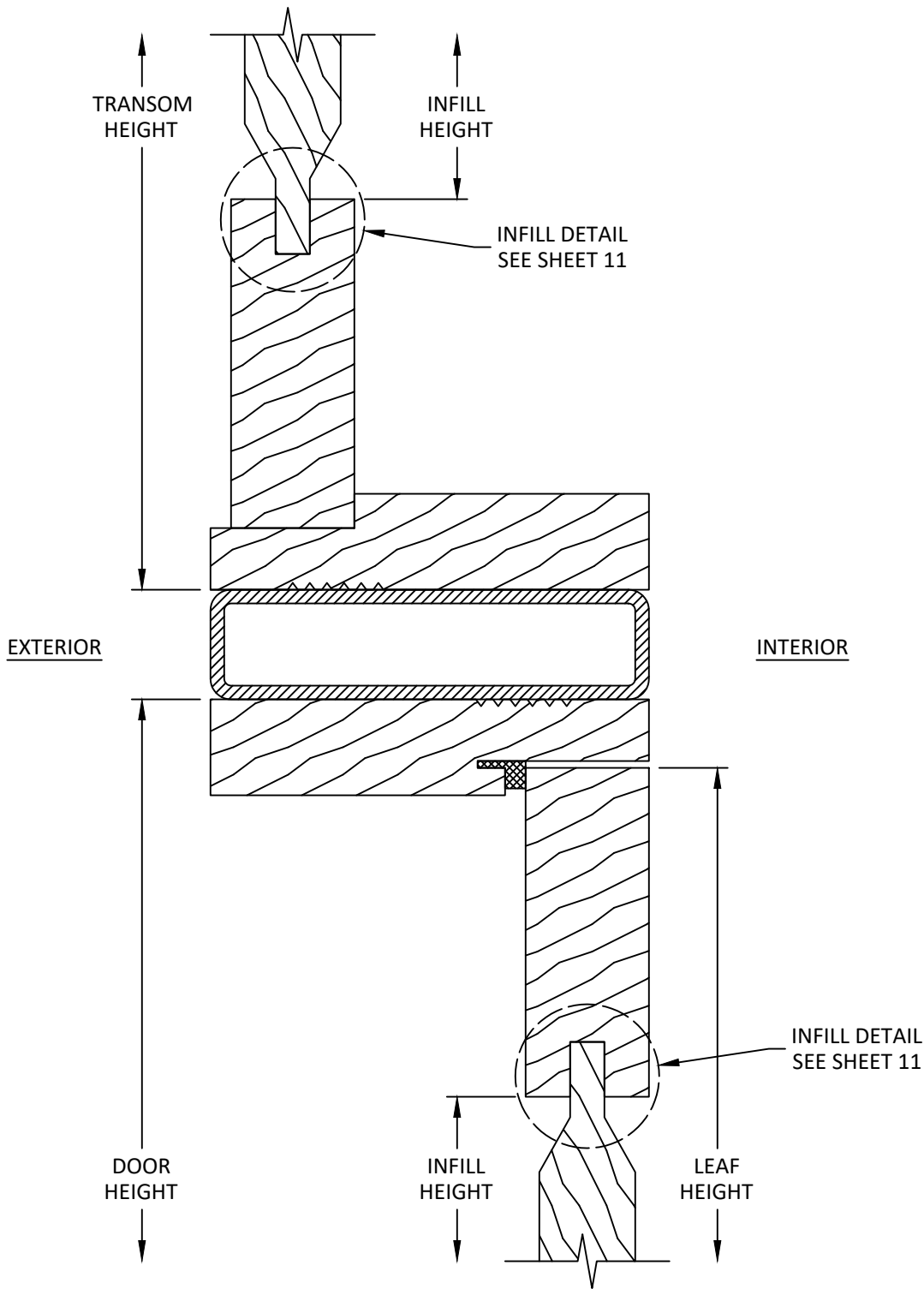
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I
14 VERTICAL SECTION
TRANSOM TO SIDELITE W/ ALUM. MULLION
INSWING SHOWN, OUTSWING SIMILAR



J
14 VERTICAL SECTION
TRANSOM TO DOOR W/ ALUM. MULLION
INSWING SHOWN, OUTSWING SIMILAR



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

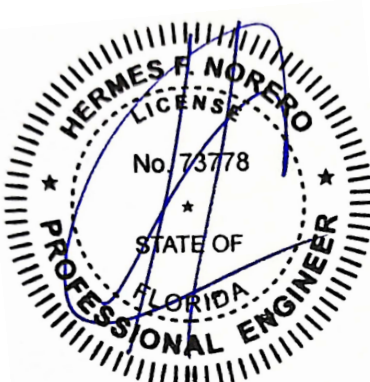
TITLE:
OPAQUE DOORS
(HVHZ) (IMPACT)
VERTICAL SECTIONS

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

**B.D.**
BUILDING DROPS

REMARKS	BY	DATE
2026 CODE CHANGE	OS	09.11.2026

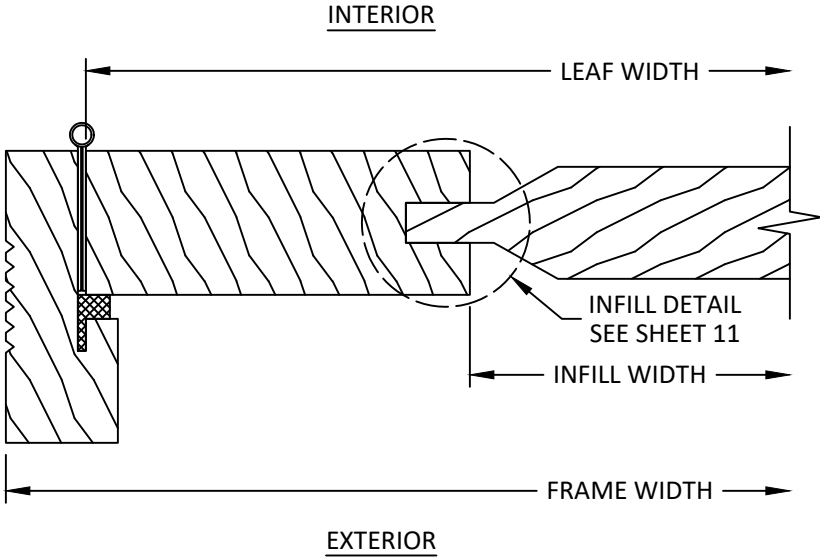
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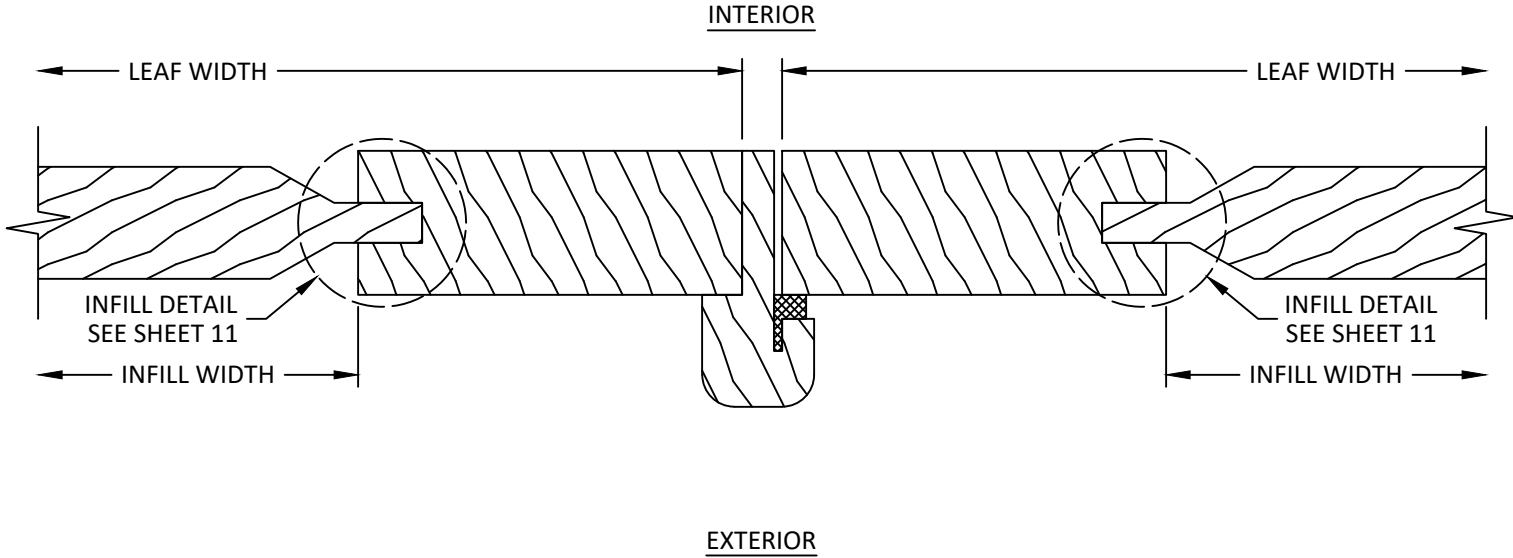
HERMES F. NORERO, P.E.
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BUILDING DROPS, INC
1900 NE MIAMI COURT, SUITE 2-15
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SCALE:	NTS	
DWG. #:	UCD005	
SHEET:	14	
REV.	A	

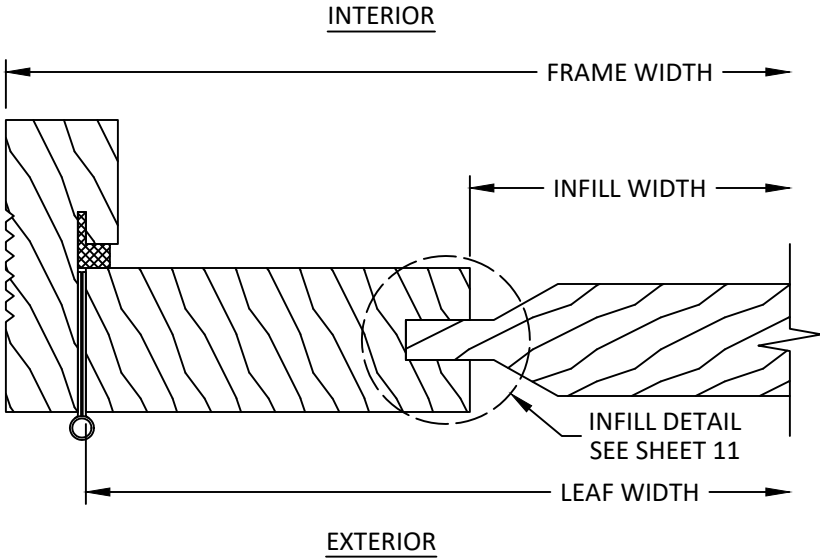
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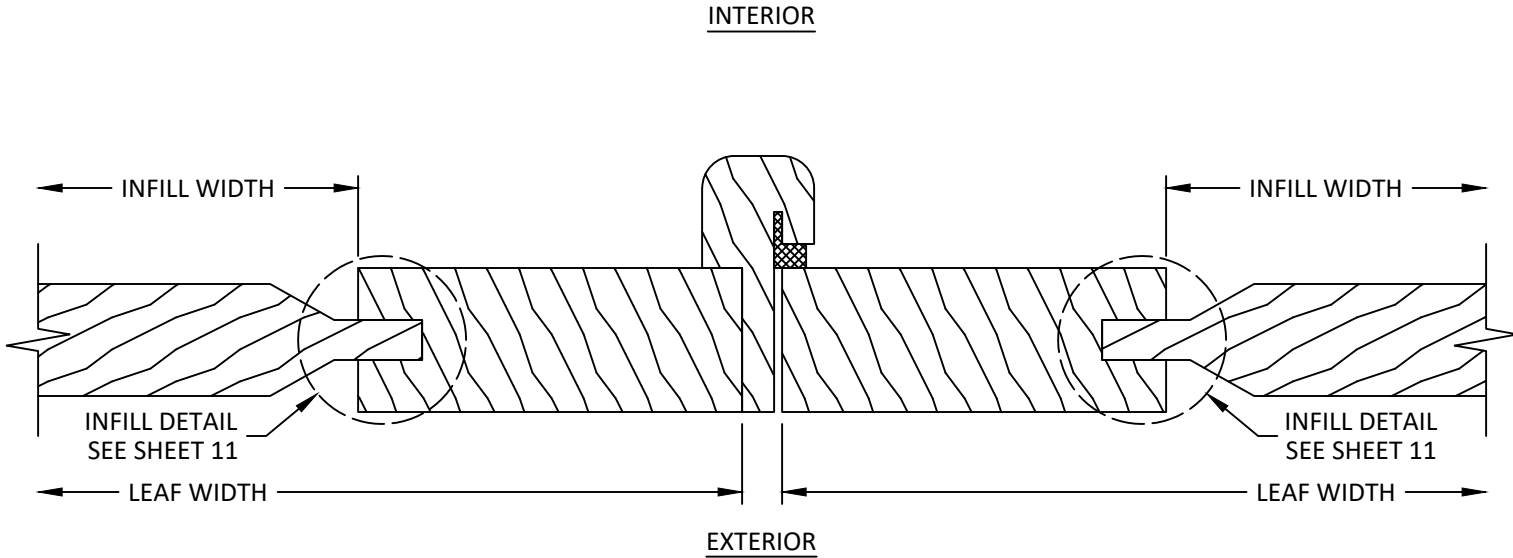
K
15 **HORIZONTAL SECTION**
INSWING DOOR JAMB



L
15 **HORIZONTAL SECTION**
INSWING DOOR ASTRAGAL



M
15 **HORIZONTAL SECTION**
OUTSWING DOOR JAMB



N
15 **HORIZONTAL SECTION**
OUTSWING DOOR ASTRAGAL



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

TITLE:

OPAQUE 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

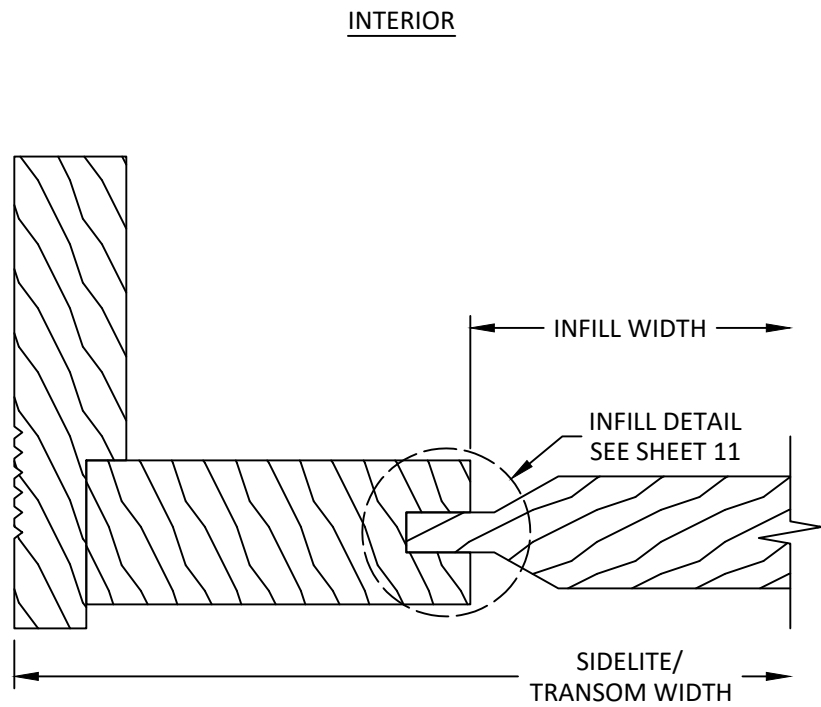
REMARKS	BY	DATE
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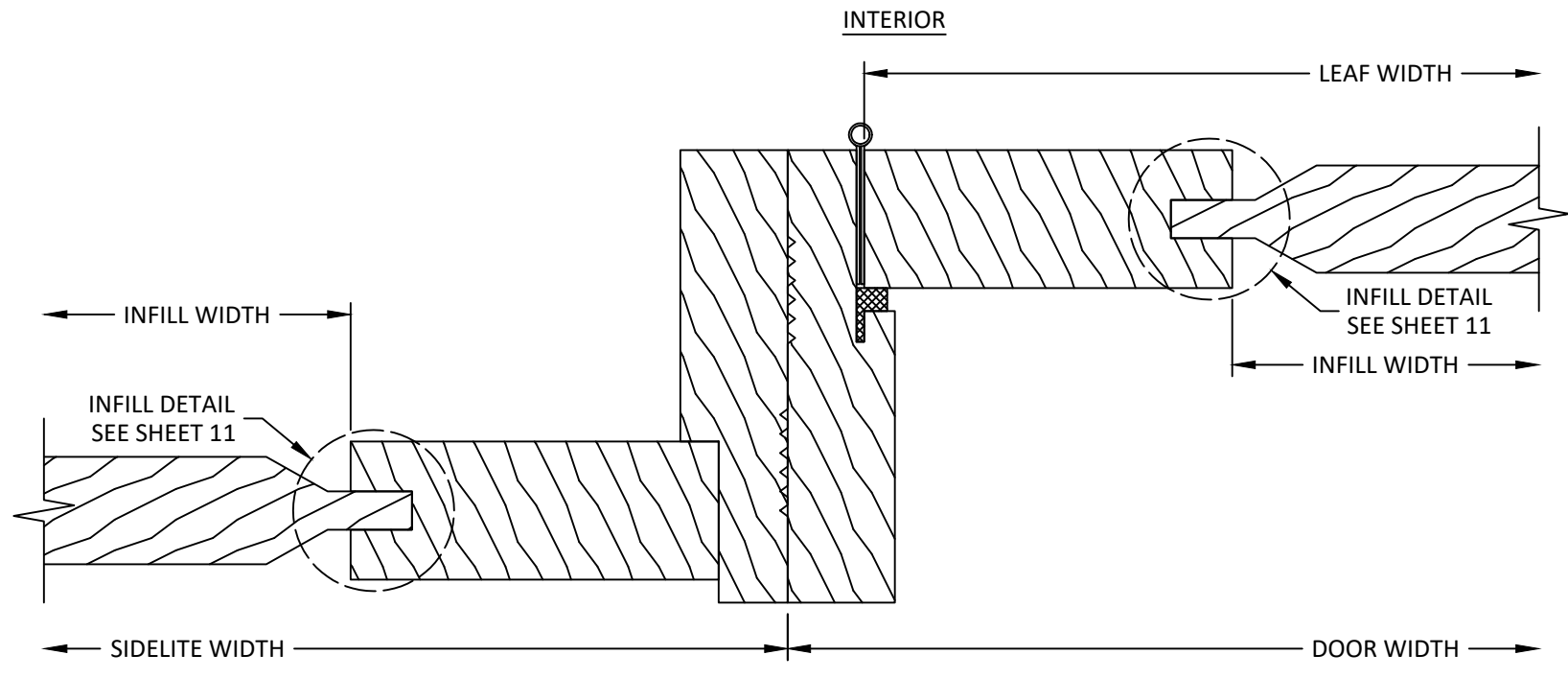
HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

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DWG. BY:	CHK. BY:
MS	HFN
SCALE:	NTS
DWG. #:	UCD005
SHEET:	REV. A

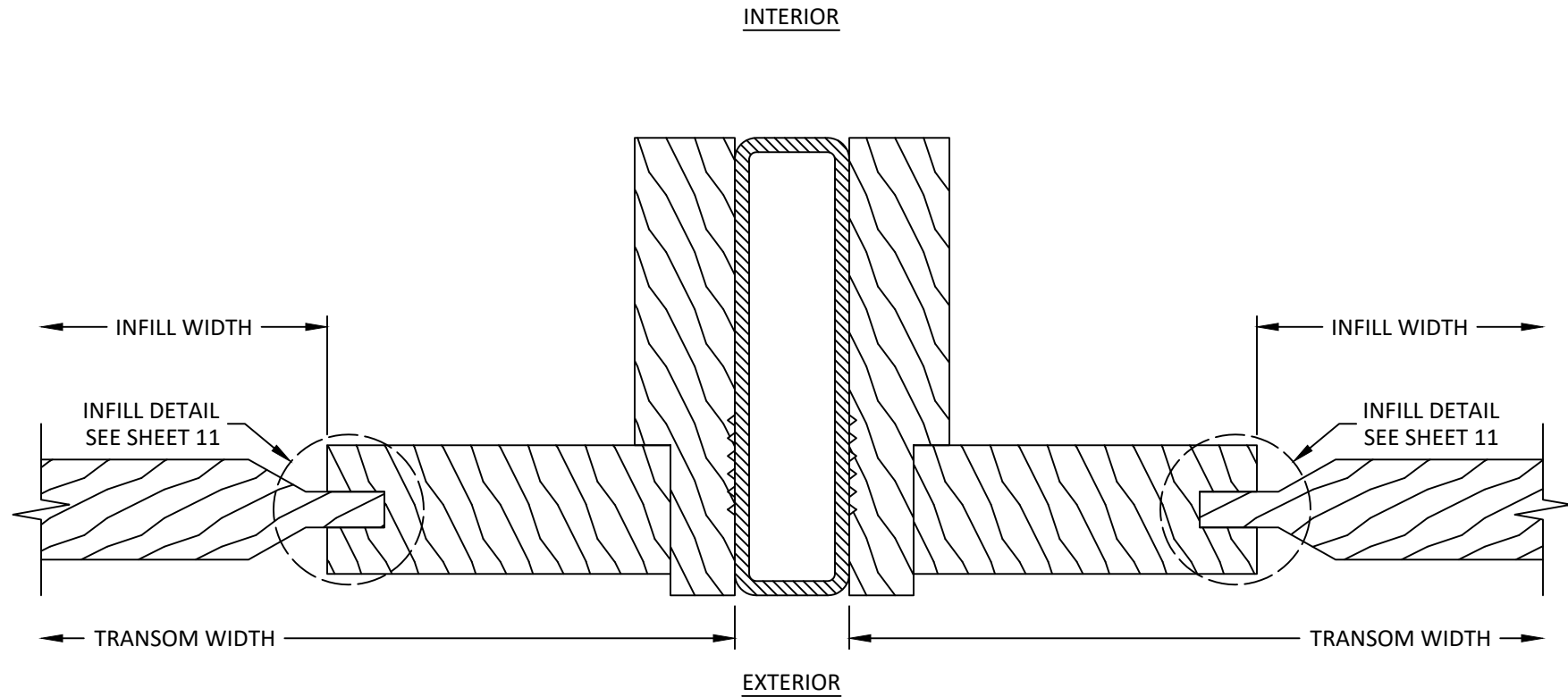
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O
16 **HORIZONTAL SECTION**
SIDELITE/TRANSOM JAMB



P
16 **HORIZONTAL SECTION**
SIDELITE TO DOOR
INSWING SHOWN, OUTSWING SIMILAR



Q
16 **HORIZONTAL SECTION**
TRANSOM TO TRANSOM



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

TITLE:

OPAQUE DOORS
(HVHZ) (IMPACT)

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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 #: **FL47209**

DATE: **12.19.2024**

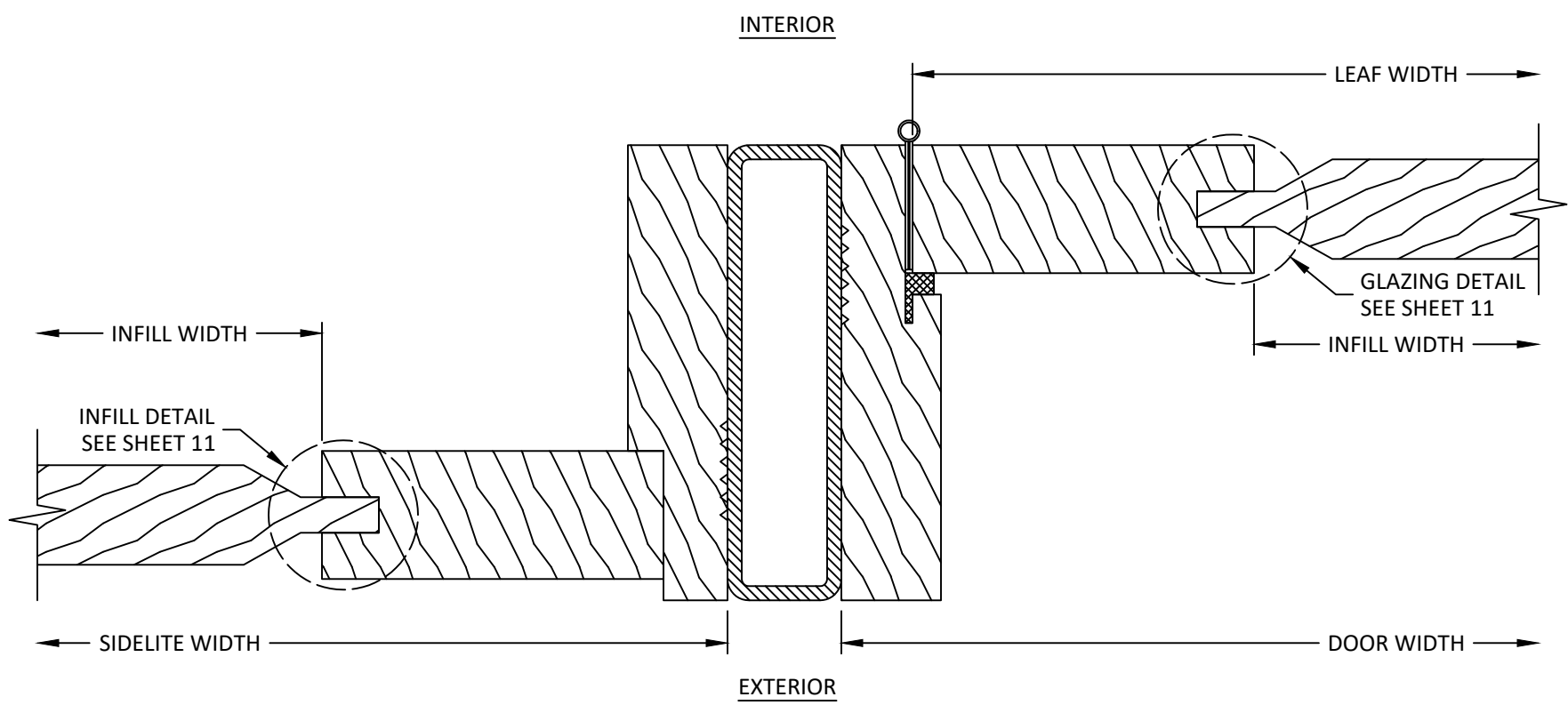
DWG. BY: **MS** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **UCD005**

SHEET: **16** REV. **A**

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R 17 **HORIZONTAL SECTION**
SIDELITE TO DOOR W/ ALUM. MULLION
INSWING SHOWN, OUTSWING SIMILAR



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

TITLE:
OPAQUE 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
2026 CODE CHANGE	OS	09.11.2026

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HERMES F. NORERO, P.E.
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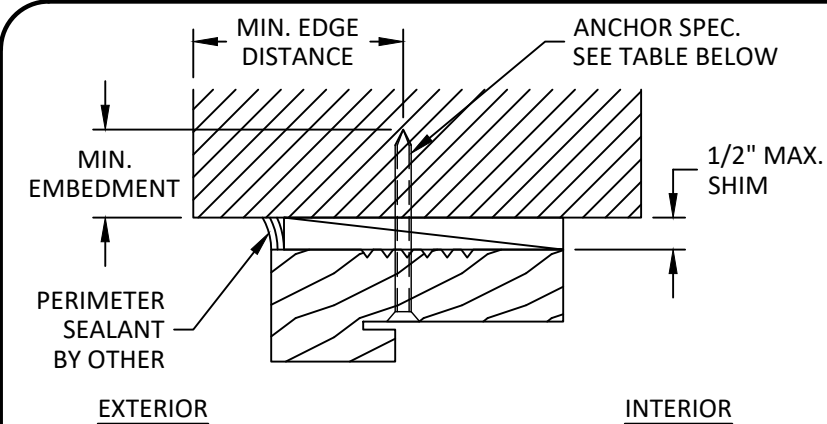
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SCALE: **NTS**

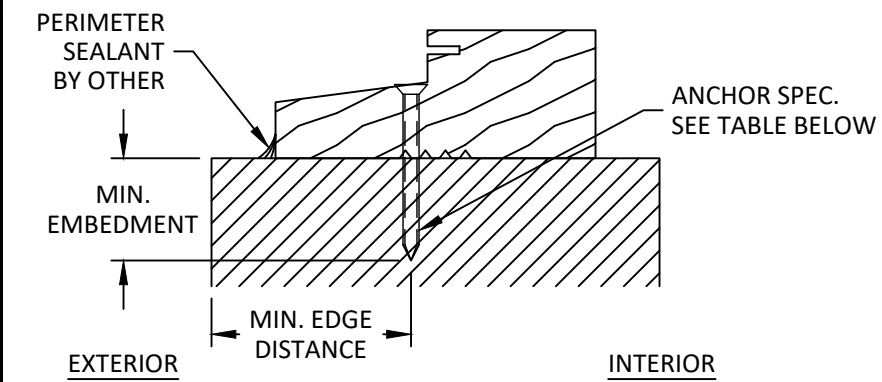
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SHEET: **17** REV. **A**

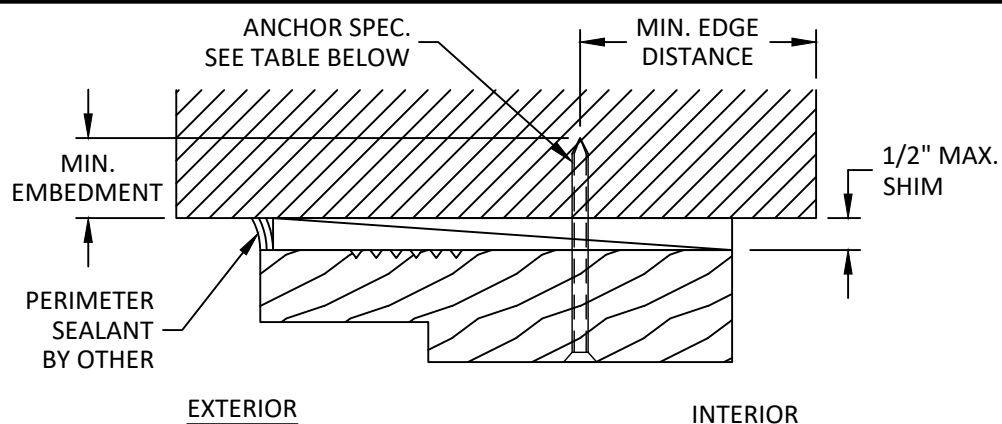
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S18 **INSTALLATION DETAIL**
DOOR HEAD
HEAD SHOWN, JAMB SIMILAR
INSWING SHOWN, OUTSWING SIMILAR

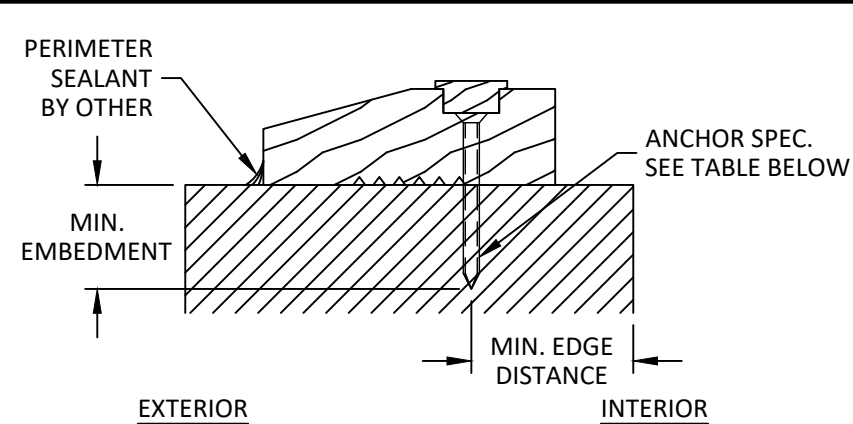


V18 **INSTALLATION DETAIL**
OUTSWING DOOR SILL



T18 **INSTALLATION DETAIL**
SIDELITE/TRANSOM HEAD
HEAD SHOWN, JAMB & SILL SIMILAR

NOTE: SHIMS REQUIRED AS NECESSARY. ANCHORS DO NOT HAVE TO GO THROUGH EACH SHIM THAT IS PLACED AROUND THE DOOR FRAME.



U18 **INSTALLATION DETAIL**
INSWING DOOR 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.
 - FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).
 - CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1)
- 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				
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.



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INSTALLATION DETAILS & NOTES

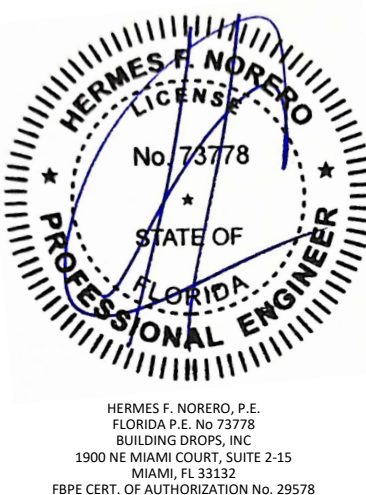
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OF 18		