

PELLA CORPORATION

IN swing HINGED DOORS

(NON-HVHZ)(NON-IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-22
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 REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
7. FRAME MATERIAL: WOOD.
8. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 2 FOR GLAZING DETAILS.

DESIGN PRESSURE RATING (PSF)				
WIDTH (IN.)	HEIGHT (IN.)	CONFIGURATION	DESIGN PRESSURE	MISSILE IMPACT RATING
SEE SHEETS 3-8				NON-IMPACT

QUALIFIED HARDWARE OPTIONS:

LOCKS:

- MULTI-POINT LOCK WITH 45.00 MM BACKSET
- MULTI-POINT LOCK WITH 50.00 MM BACKSET
- LATCH & DEADBOLT WITH 2.38" BACKSET

HINGES:

- 3.50" ADJUSTABLE HINGES
- 4.00" NON-ADJUSTABLE HINGES

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.08.26 14:38:33 -04'00'



102 MAIN ST.
PELLA, IA 50219
PH: (641) 621-6096

TITLE: IN swing HINGED DOORS (NON-HVHZ) (NON-IMPACT)

GENERAL NOTES, QUALIFIED HARDWARE OPTIONS, & DESIGN PRESSURE TABLE

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954) 395-8478
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.



HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
FLORIDA P.E. NO. 73778
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION NO. 29578

FL48408

DATE: 07/26/2026

DWG. BY: JR

CHK. BY: HFN

SCALE: NTS

DWG. #: PLA006

SHEET:

1

OF 22



102 MAIN ST.
PELLA, IA 50219
PH: (641) 621-6096

TITLE: INSWING HINGED DOORS
(NON-HVHZ) (NON-IMPACT)

GLAZING DETAILS

BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15
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PREPARED BY:



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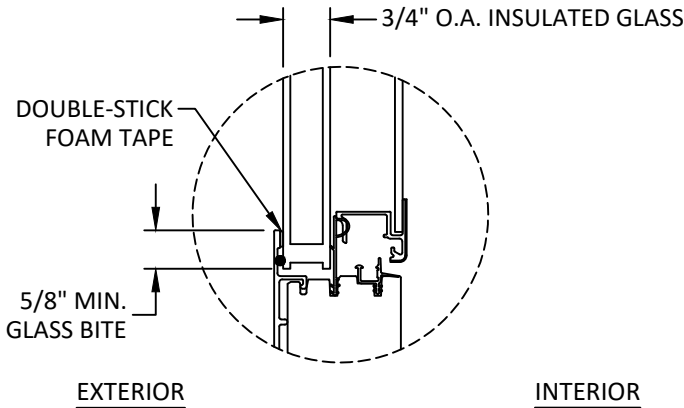
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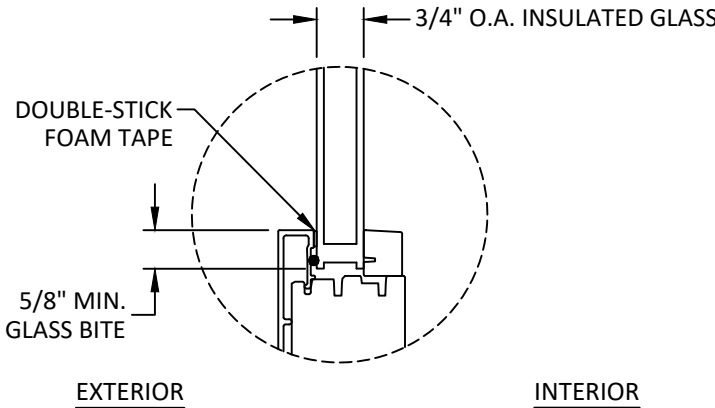
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2 OF 22



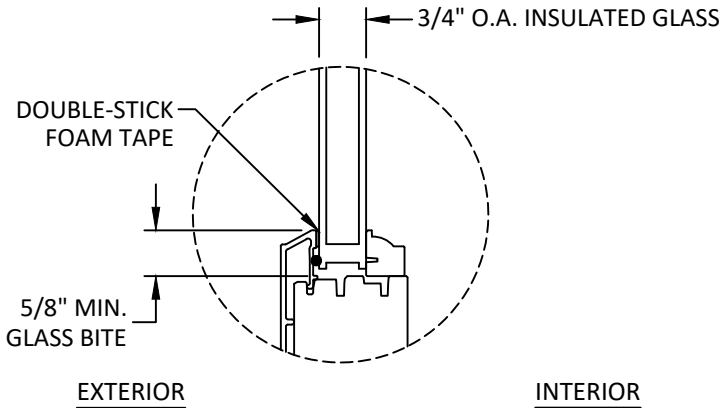
GLAZING DETAIL 1

3/4" IG HGP
NOT ALLOWED FOR
USE WITH MIDRAILS



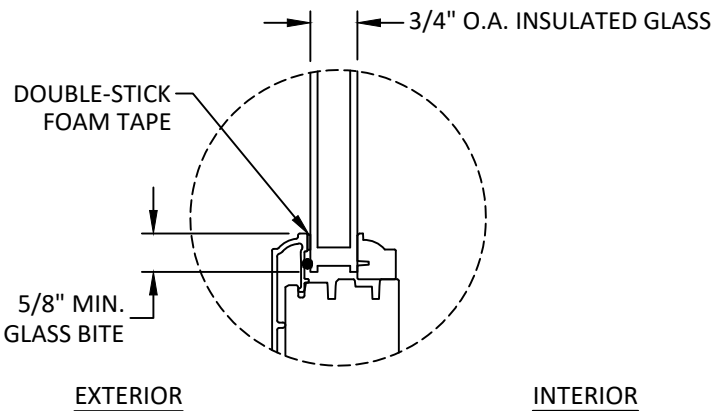
GLAZING DETAIL 2

3/4" IG SQUARE



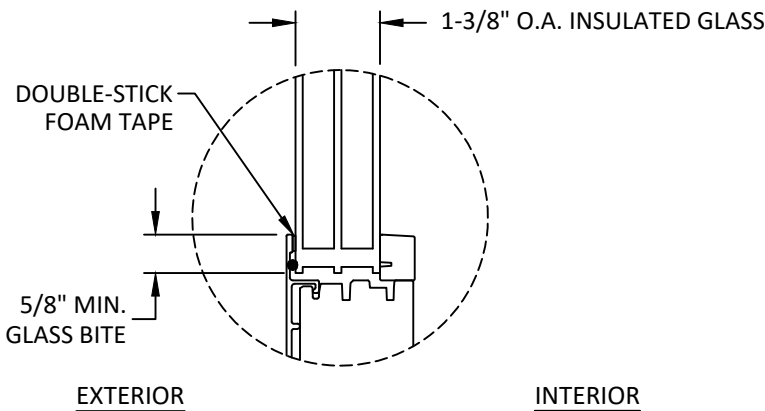
GLAZING DETAIL 3

3/4" IG PUTTY



GLAZING DETAIL 4

3/4" IG OGEE



GLAZING DETAIL 5

1-3/8" TRIPLE IG
NOT ALLOWED FOR USE
WITH MIDRAILS

GLAZING NOTES:

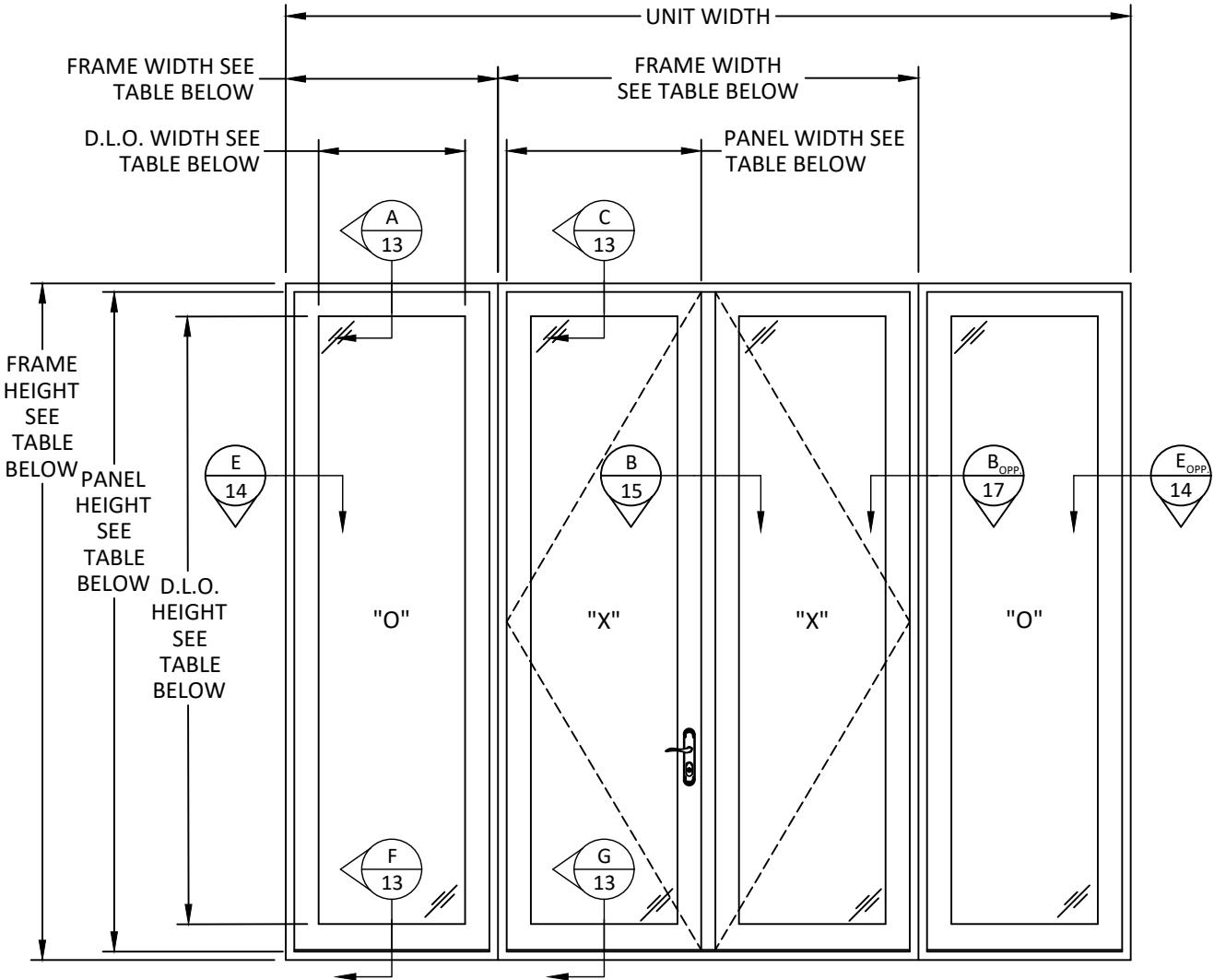
- GLASS TYPE SHALL COMPLY WITH ASTM E1300 REQUIREMENTS. PER THE FBC TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
- D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES SHOWN HEREIN.

NOTES:

MULTI-POINT LOCK WITH 45 MM BACKSET SHOWN.

CONTEMPORARY BOTTOM RAIL SHOWN, FRENCH (TRADITIONAL) BOTTOM RAIL QUALIFIED.

SEE SHEET 12 FOR QUALIFIED MIDRAIL OPTIONS.



ELEVATION
OXO CONFIGURATION

PRODUCT SPECIFICATION TABLE									
OXO CONFIGURATION TYPE	DESIGN PRESSURE (PSF)	SINGLE DOOR FRAME WIDTH (IN)	DOUBLE DOOR FRAME WIDTH (IN)	DOOR FRAME HEIGHT (IN)	DOOR PANEL WIDTH (IN)	DOOR PANEL HEIGHT (IN)	DOOR D.L.O. WIDTH (IN)	DOOR D.L.O. HEIGHT (IN)	HARDWARE
FX-ACT-PAS-FX	+30/-40	37.50	74.25	119.50	35.25	116.56	25.88	107.31	45 MM MPL

- ABBREVIATIONS KEY:
- DOOR CONFIGURATIONS -
- FX: FIXED DOOR PANEL
 - ACT: ACTIVE DOOR PANEL
 - INACT: INACTIVE DOOR PANEL
 - PAS: PASSIVE DOOR PANEL
 - SDL: SIDELITE
 - SDL VENT: SIDELITE VENTING PANEL
- HARDWARE -
- 45 MM MPL: 45 MM MULTI-POINT LOCK
 - 50 MM MPL: 50 MM MULTI-POINT LOCK
 - 2.38" L&D: 2.38" LATCH & DEADBOLT



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ELEVATION & PRODUCT
SPECIFICATION TABLE

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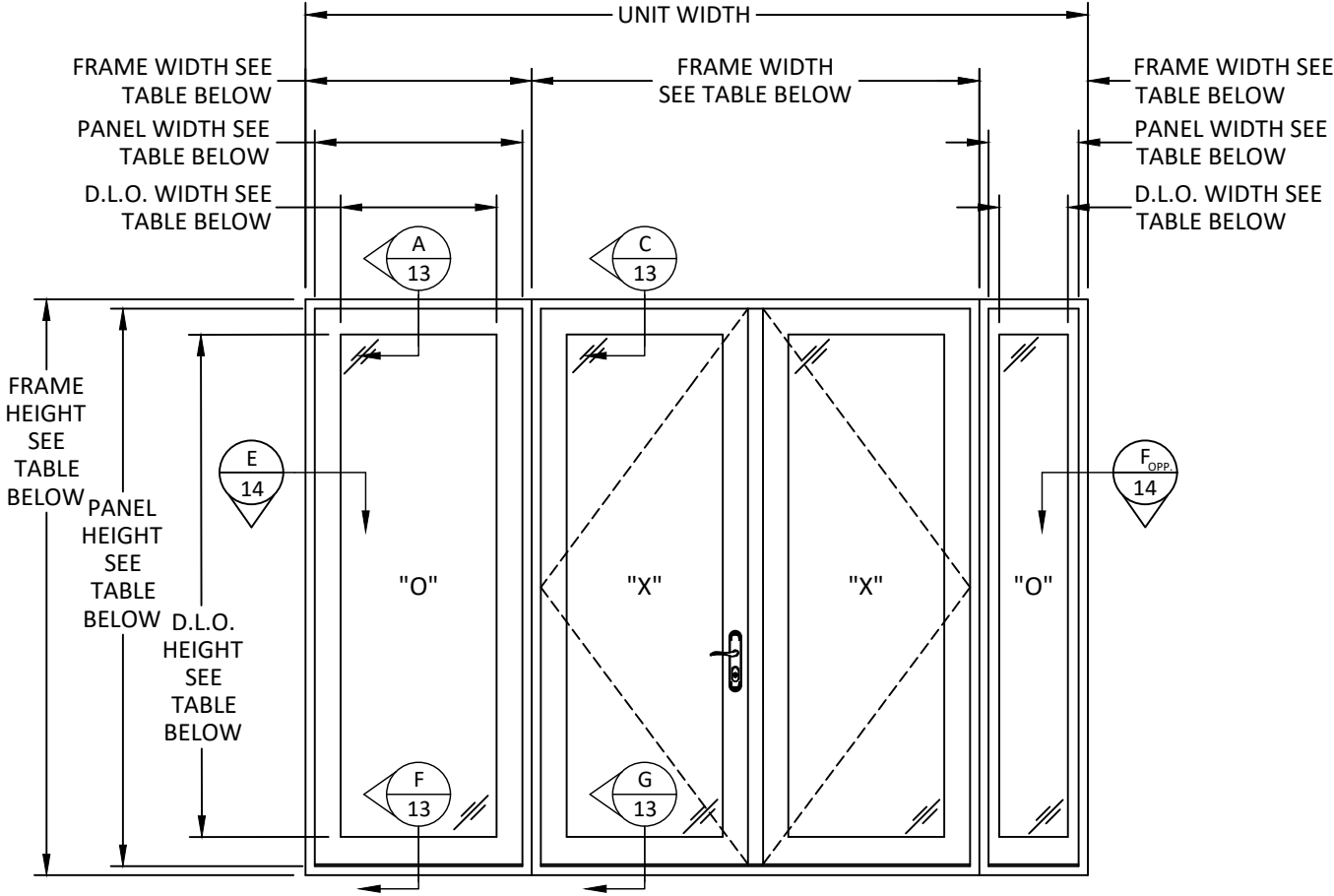
SHEET:

NOTES:

MULTI-POINT LOCK WITH 50 MM BACKSET SHOWN.

CONTEMPORARY BOTTOM RAIL SHOWN, FRENCH (TRADITIONAL) BOTTOM RAIL QUALIFIED.

SEE SHEET 12 FOR QUALIFIED MIDRAIL OPTIONS.



ELEVATION
OXO CONFIGURATION

- ABBREVIATIONS KEY:
- DOOR CONFIGURATIONS -
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- HARDWARE -
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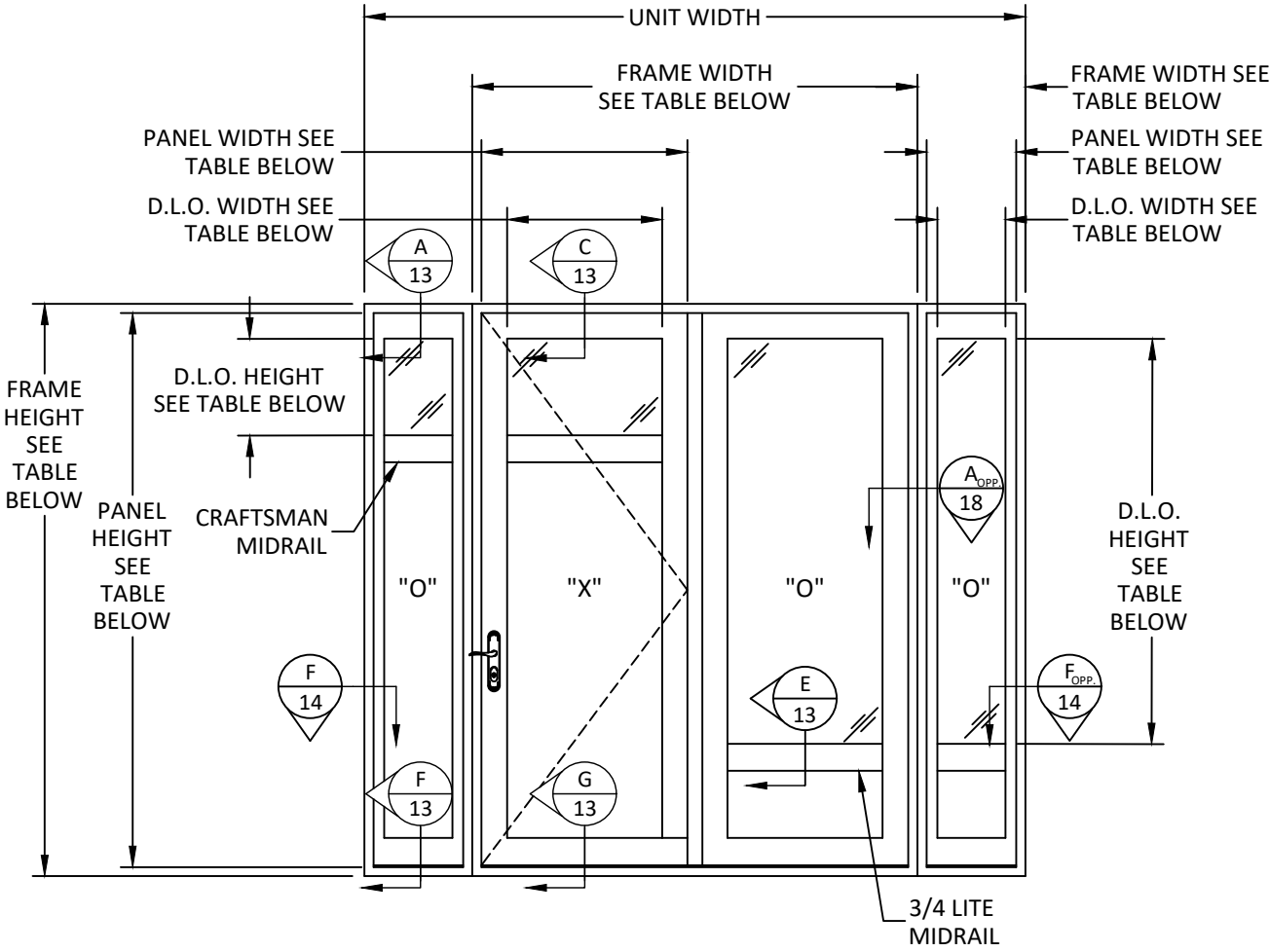
OXO CONFIGURATION TYPE	DESIGN PRESSURE (PSF)	SINGLE DOOR FRAME WIDTH (IN)	DOUBLE DOOR FRAME WIDTH (IN)	SIDELITE FRAME WIDTH (IN)	DOOR / SIDELITE FRAME HEIGHT (IN)	DOOR PANEL WIDTH (IN)	SIDELITE PANEL WIDTH (IN)	DOOR / SIDELITE PANEL HEIGHT (IN)	DOOR D.L.O. WIDTH (IN)	SIDELITE D.L.O. WIDTH (IN)	DOOR / SIDELITE D.L.O. HEIGHT (IN)	HARDWARE
FX-ACT-PAS-SDL	+/-55	37.50	74.25	18.00	97.63	35.25	15.75	94.69	25.88	11.38	85.44	45 MM MPL
FX-ACT-INACT-SDL	+/-55	37.50	74.25	18.00	95.50	35.25	15.75	92.56	25.88	11.38	79.75	50 MM MPL

NOTES:

MULTI-POINT LOCK WITH 45 MM
BACKSET SHOWN.

CONTEMPORARY BOTTOM RAIL
SHOWN, FRENCH (TRADITIONAL)
BOTTOM RAIL QUALIFIED.

3/4 LITE MIDRAIL AND CRAFTSMAN
MIDRAIL SHOWN, ALL OTHERS
QUALIFIED. SEE SHEET 12 FOR DETAILS.



ELEVATION
OXO CONFIGURATION

ABBREVIATIONS KEY:

- DOOR CONFIGURATIONS -
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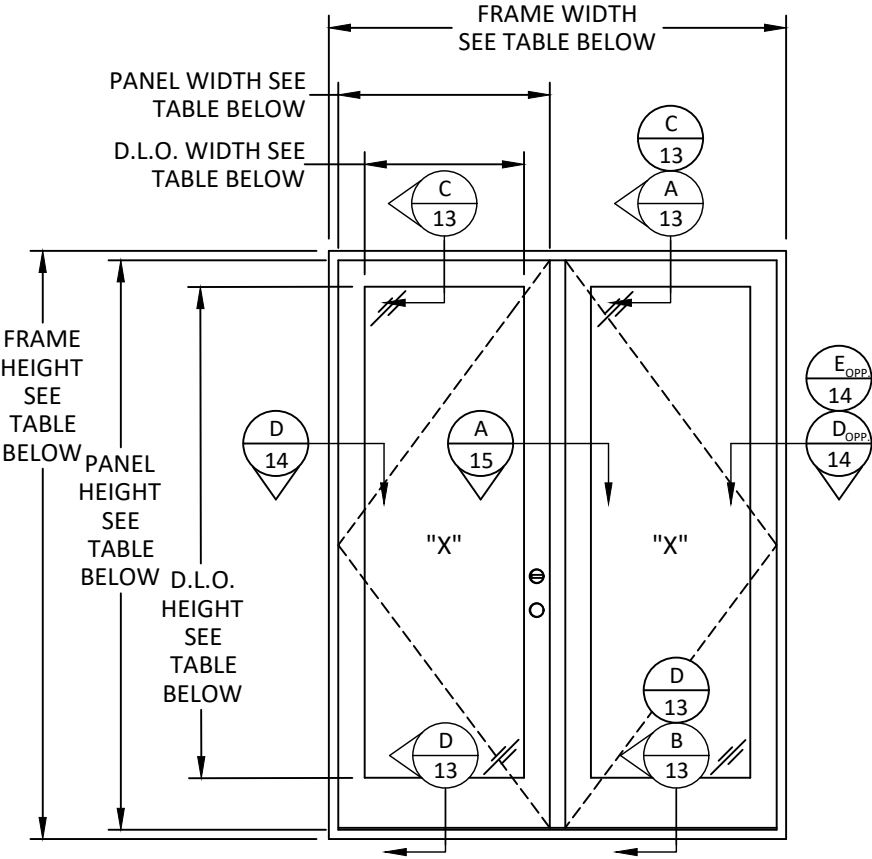
OXO CONFIGURATION TYPE	DESIGN PRESSURE (PSF)	DOUBLE DOOR FRAME WIDTH (IN)	SIDELITE FRAME WIDTH (IN)	DOOR / SIDELITE FRAME HEIGHT (IN)	DOOR PANEL WIDTH (IN)	SIDELITE PANEL WIDTH (IN)	DOOR / SIDELITE PANEL HEIGHT (IN)	DOOR D.L.O. WIDTH (IN)	SIDELITE D.L.O. WIDTH (IN)	DOOR / SIDELITE D.L.O. HEIGHT (IN) 3/4 LITE	DOOR / SIDELITE D.L.O. HEIGHT (IN) CRAFTSMAN	HARDWARE
SDL-ACT-FX-SDL	+/-50	74.25	18.00	95.50	35.25	15.75	92.56	25.88	11.38	67.63	19.75	45 MM MPL

NOTES:

LATCH & DEADBOLT WITH 2.38" BACKSET SHOWN.

FRENCH (TRADITIONAL) BOTTOM RAIL SHOWN, CONTEMPORARY BOTTOM RAIL QUALIFIED.

SEE SHEET 12 FOR QUALIFIED MIDRAIL OPTIONS.



ELEVATION
XX CONFIGURATION

PRODUCT SPECIFICATION TABLE								
XX CONFIGURATION TYPE	DESIGN PRESSURE (PSF)	FRAME WIDTH (IN)	DOOR FRAME HEIGHT (IN)	DOOR PANEL WIDTH (IN)	DOOR PANEL HEIGHT (IN)	DOOR D.L.O. WIDTH (IN)	DOOR D.L.O. HEIGHT (IN)	HARDWARE
ACT-PAS	+30/-40	74.25	119.50	35.25	116.56	25.88	107.31	45 MM MPL
ACT-INACT	+/-55	74.25	95.50	35.25	92.56	25.88	79.50	50 MM MPL
ACT-INACT	+55/-70	74.25	97.63	35.25	94.69	25.88	85.44	45 MM MPL
ACT-INACT	+/-20	74.25	97.63	35.25	94.69	25.88	85.44	2.38" L&D
ACT-INACT	+/-30	74.25	81.50	35.25	78.56	25.88	69.31	2.38" L&D
ACT-FX	+/-50	74.25	95.50	35.25	92.56	25.88	79.50	50 MM MPL

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 - PAS: PASSIVE DOOR PANEL
 - SDL: SIDELITE
 - SDL VENT: SIDELITE VENTING PANEL
- HARDWARE -
- 45 MM MPL: 45 MM MULTI-POINT LOCK
 - 50 MM MPL: 50 MM MULTI-POINT LOCK
 - 2.38" L&D: 2.38" LATCH & DEADBOLT



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SPECIFICATION TABLE

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SCALE: NTS

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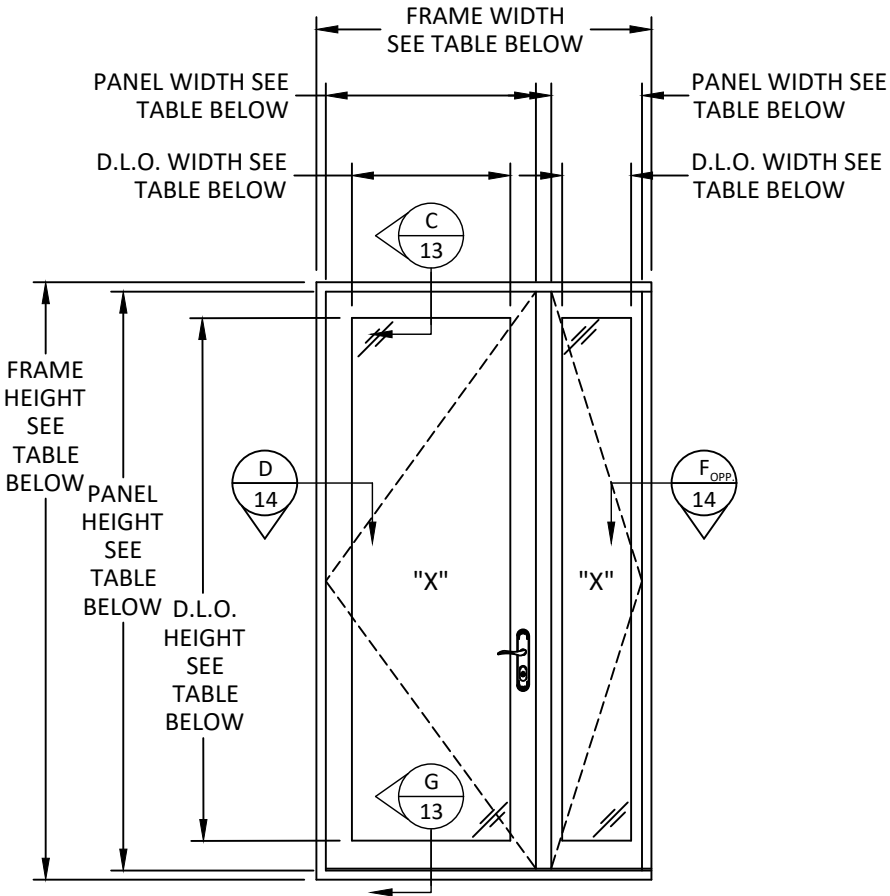
NOTES:

MULTI-POINT LOCK WITH 45 MM BACKSET SHOWN.

CONTEMPORARY BOTTOM RAIL SHOWN, FRENCH (TRADITIONAL) BOTTOM RAIL QUALIFIED.

SEE SHEET 12 FOR QUALIFIED MIDRAIL OPTIONS.

- ABBREVIATIONS KEY:
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- HARDWARE -
- 45 MM MPL: 45 MM MULTI-POINT LOCK
 - 50 MM MPL: 50 MM MULTI-POINT LOCK
 - 2.38" L&D: 2.38" LATCH & DEADBOLT



ELEVATION
XX CONFIGURATION

PRODUCT SPECIFICATION TABLE										
XX CONFIGURATION TYPE	DESIGN PRESSURE (PSF)	FRAME WIDTH (IN)	FRAME HEIGHT (IN)	DOOR PANEL WIDTH (IN)	SIDELITE VENTING PANEL WIDTH (IN)	DOOR / SIDELITE VENTING PANEL HEIGHT (IN)	DOOR D.L.O. WIDTH (IN)	SIDELITE VENTING D.L.O. WIDTH (IN)	DOOR / SIDELITE VENTING D.L.O. HEIGHT (IN)	HARDWARE
ACT-SDL VENT	+55/-70	54.75	97.63	35.25	15.75	94.69	25.88	11.38	85.44	45 MM MPL



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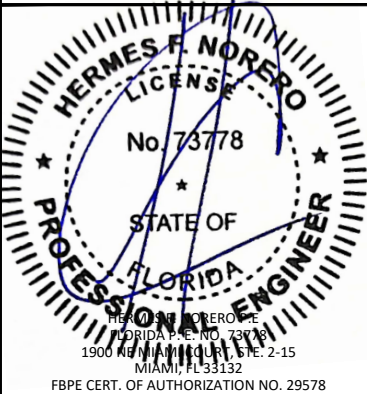
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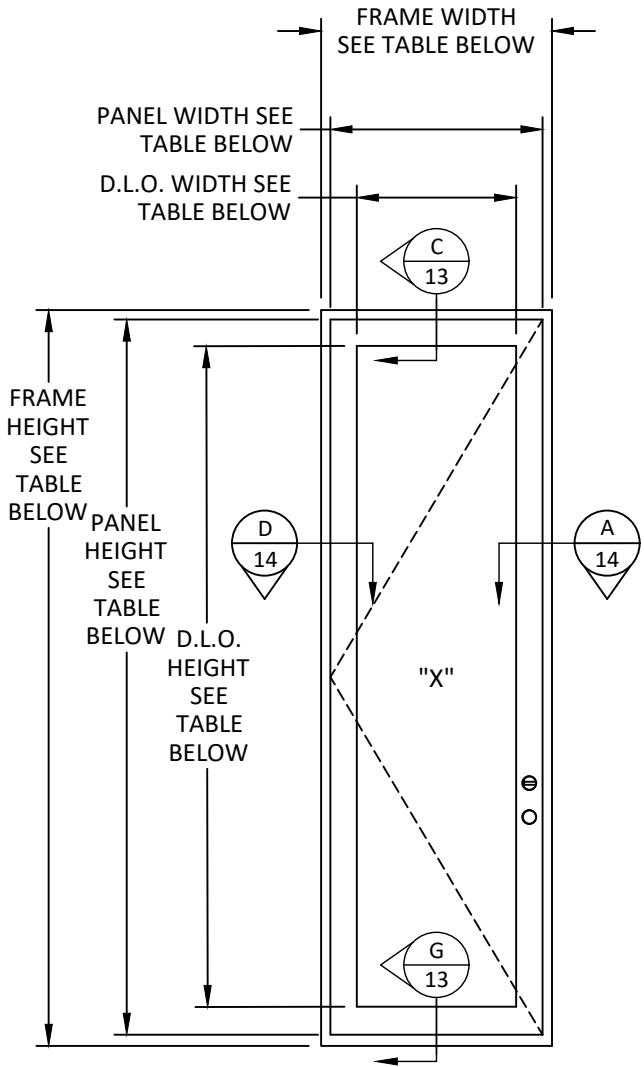
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NOTE: LATCH & DEADBOLT WITH 2.38" BACKSET SHOWN.

CONTEMPORARY BOTTOM RAIL SHOWN, FRENCH (TRADITIONAL) BOTTOM RAIL QUALIFIED.

SEE SHEET 12 FOR QUALIFIED MIDRAIL OPTIONS.



ELEVATION
X CONFIGURATION

PRODUCT SPECIFICATION TABLE								
X CONFIGURATION TYPE	DESIGN PRESSURE (PSF)	FRAME WIDTH (IN)	DOOR FRAME HEIGHT (IN)	DOOR PANEL WIDTH (IN)	DOOR PANEL HEIGHT (IN)	DOOR D.L.O. WIDTH (IN)	DOOR D.L.O. HEIGHT (IN)	HARDWARE
ACT	+/-40	37.50	119.50	35.25	116.56	25.88	107.31	45 MM MPL
ACT	+55/-70	37.50	97.63	35.25	94.69	25.88	85.44	45 MM MPL
ACT	+/-40	37.50	81.50	35.25	78.56	25.88	69.31	2.38" L&D

ABBREVIATIONS KEY:

DOOR CONFIGURATIONS -

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- PAS: PASSIVE DOOR PANEL
- SDL: SIDELITE
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HARDWARE -

- 45 MM MPL: 45 MM MULTI-POINT LOCK
- 50 MM MPL: 50 MM MULTI-POINT LOCK
- 2.38" L&D: 2.38" LATCH & DEADBOLT



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SPECIFICATION TABLE

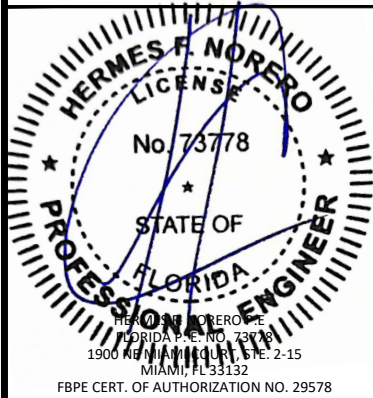
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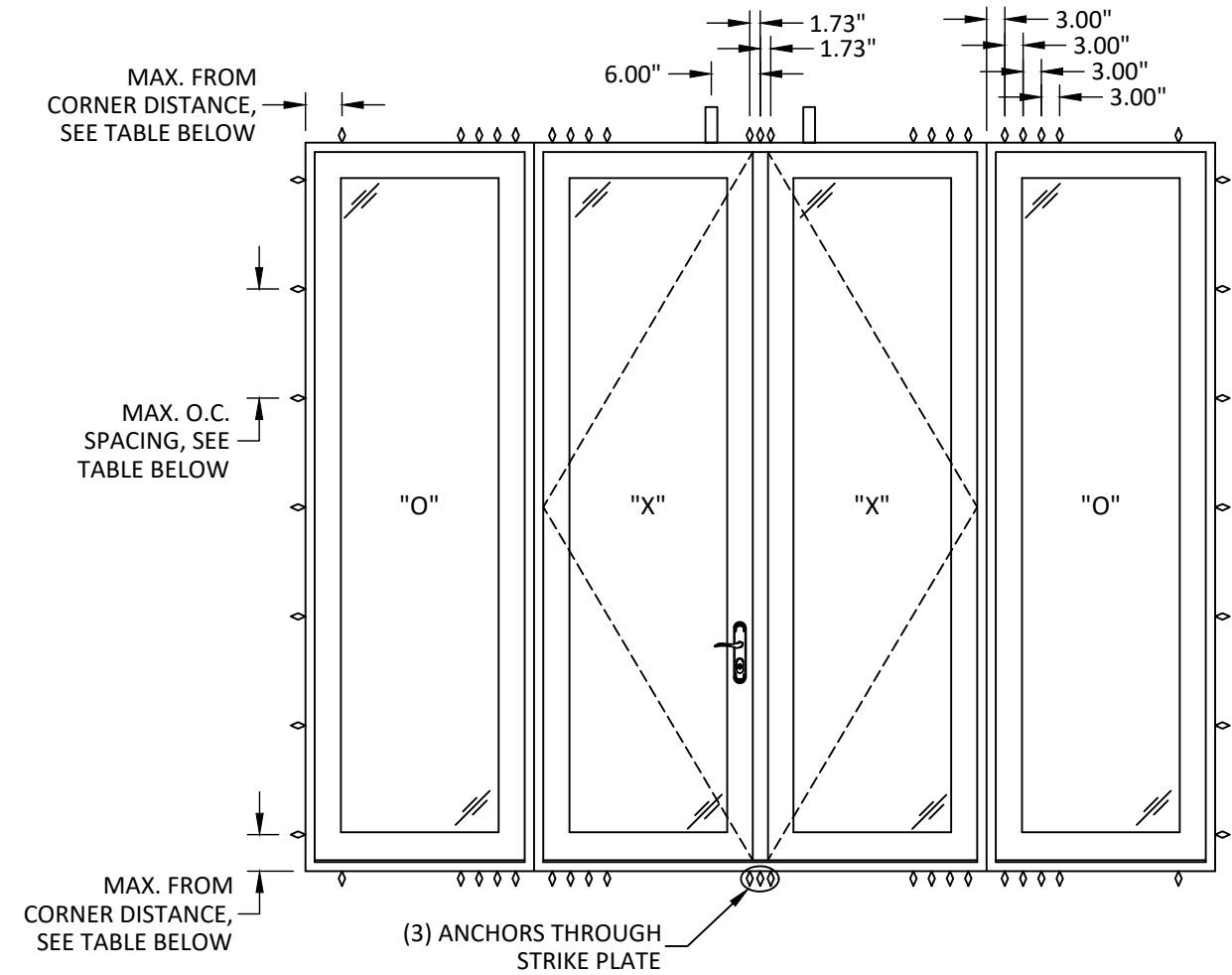
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SHEET:

LEGEND:

- ◊ INSTALLATION ANCHOR
- ▭ STEADY SET CLIP, STRAIGHT CLIP, OR BENT CLIP



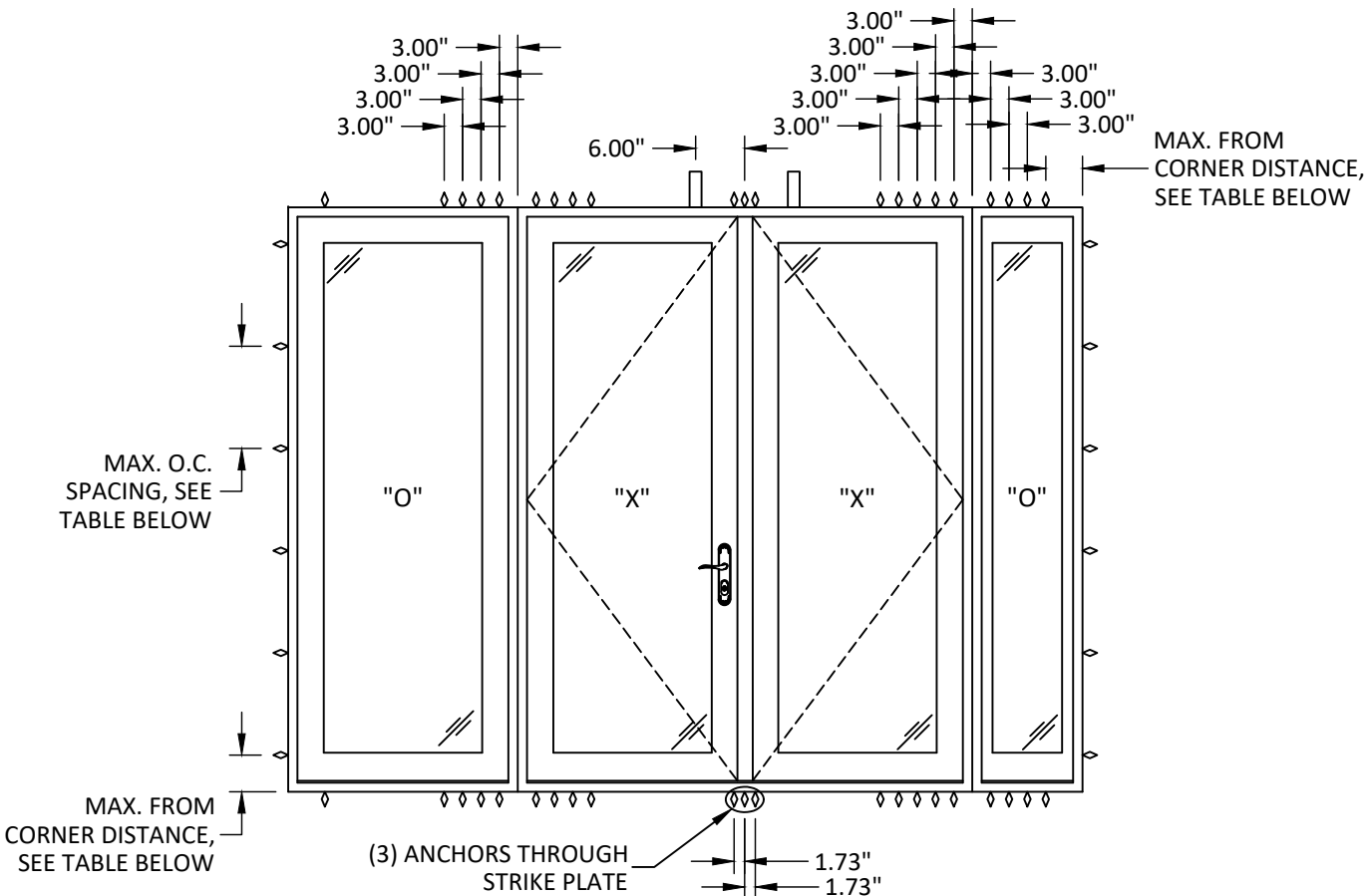
ANCHOR LAYOUT
OXO INSWING DOOR INSTALLATION
(SEE TABLE BELOW)

ANCHOR SPACING TABLE				
INSTALLATION METHOD	MAX. O.C. SPACING: HEAD	MAX. O.C. SPACING: JAMBS	TOTAL QTY. OF ANCHORS PER MULL ENDS	CORNER DISTANCE
THROUGH FRAME	-	18.00"	8	6.00"
BENT CLIP	-	18.00"	-	
STRAIGHT CLIP	-	16.00"	-	
STEADY SET	-	18.00"	-	
NAIL FIN	5.00"	5.00"	-	

- THROUGH FRAME ANCHORS REQUIRED:
- ALL MULLION CONDITIONS
 - ALL HINGE & STRIKE PLATE CONDITIONS
 - ALL SILL CONDITIONS, REGARDLESS OF ANCHOR METHOD

HINGE SCHEDULE:
(1) ANCHOR WILL BE INSTALLED PER DOOR HINGE

FRAME HEIGHT < 84" ... 3 HINGES
84" ≤ FRAME HEIGHT < 99.4" ... 4 HINGES
99.4" ≤ FRAME HEIGHT < 108" ... 5 HINGES
FRAME HEIGHT ≥ 108" ... 6 HINGES



ANCHOR LAYOUT
OXO INSWING DOOR INSTALLATION
(SEE TABLE BELOW)

ANCHOR SPACING TABLE				
INSTALLATION METHOD	MAX. O.C. SPACING: HEAD	MAX. O.C. SPACING: JAMBS	TOTAL QTY. OF ANCHORS PER MULL ENDS	CORNER DISTANCE
THROUGH FRAME	-	18.00"	8	6.00"
BENT CLIP	-	18.00"	-	
STRAIGHT CLIP	-	12.25"	-	
STEADY SET	-	18.00"	-	
NAIL FIN	5.00"	5.00"	-	

NOTES:
BENT CLIP / STRAIGHT CLIP INSTALLATION BY ASTRAGAL SHOWN WITH ▭ ANCHOR.

STEADY SET INSTALLATION BY HINGES, LOCK JAMB, AND ASTRAGAL SHOWN WITH ▭ ANCHOR.



102 MAIN ST.
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PH: (641) 621-6096

TITLE: INSWING HINGED DOORS
(NON-HVHZ) (NON-IMPACT)

ANCHOR LAYOUTS

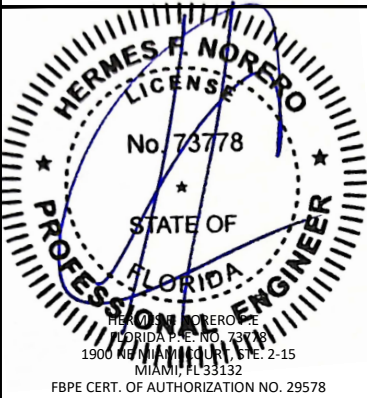
PREPARED BY: BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954) 399-9478
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.



FL48408

DATE: 07/26/2026

DWG. BY: JR CHK. BY: HFN

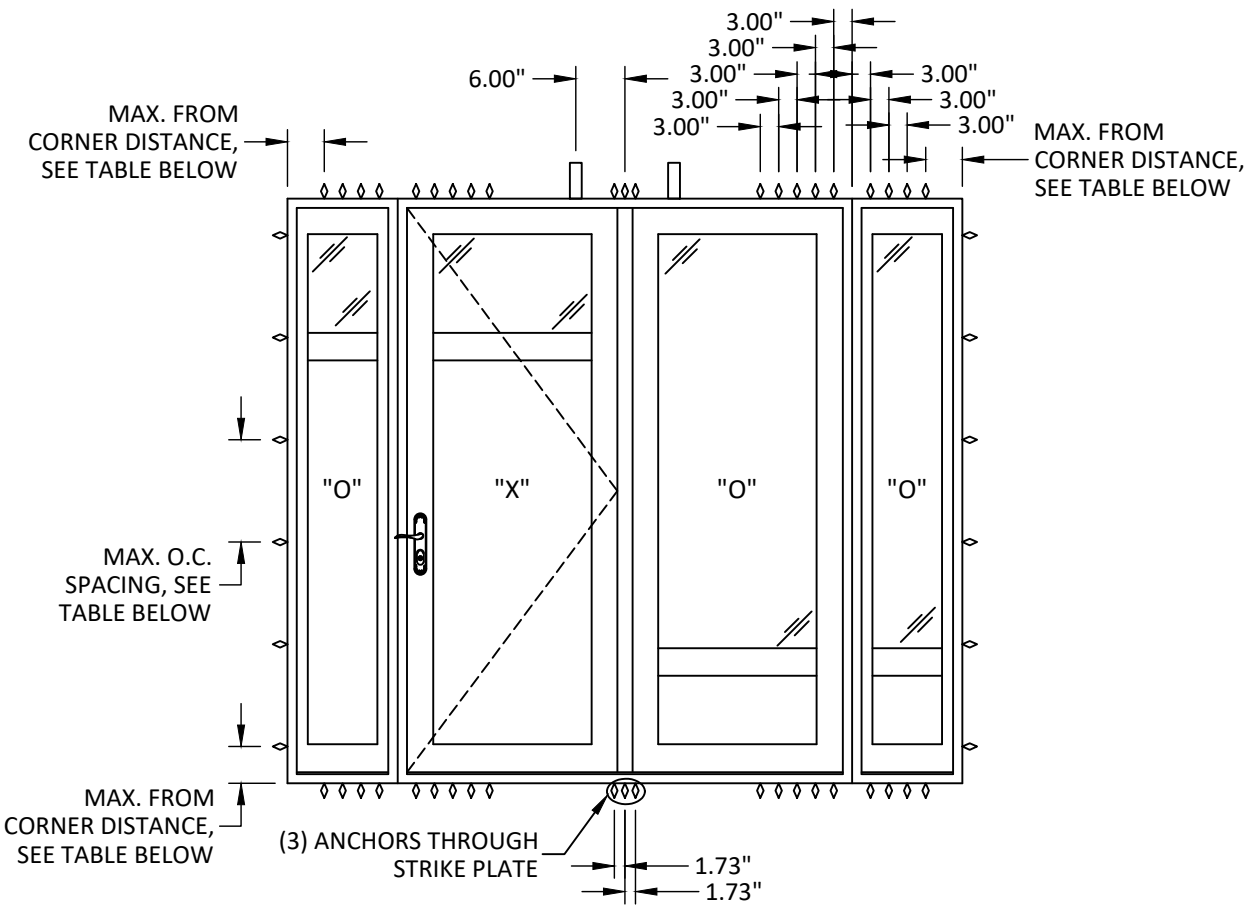
SCALE: NTS

DWG. #: PLA006

SHEET:

LEGEND:

- ◊ INSTALLATION ANCHOR
- ▭ STEADY SET CLIP, STRAIGHT CLIP, OR BENT CLIP



ANCHOR LAYOUT

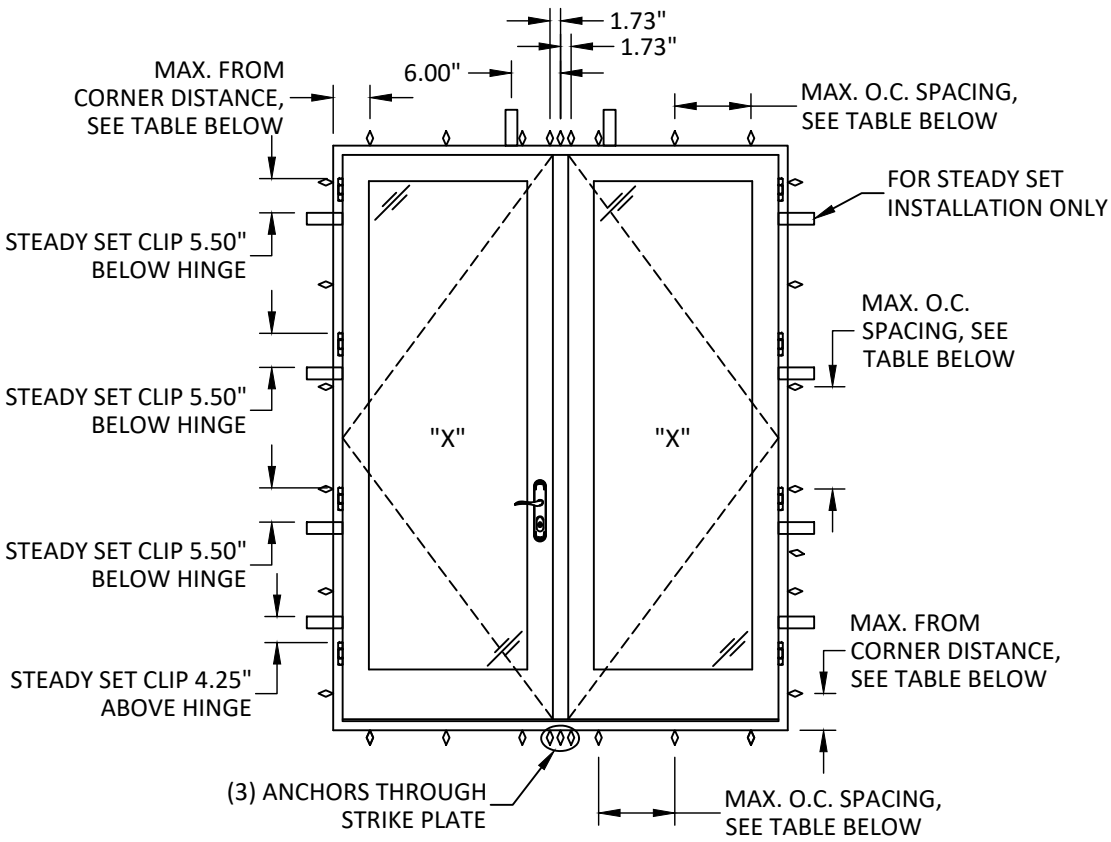
OXO INSWING DOOR INSTALLATION
(SEE TABLE BELOW)

ANCHOR SPACING TABLE				
INSTALLATION METHOD	MAX. O.C. SPACING: HEAD	MAX. O.C. SPACING: JAMBS	TOTAL QTY. OF ANCHORS PER MULL ENDS	CORNER DISTANCE
THROUGH FRAME	-	18.00"	8	6.00"
BENT CLIP	-	18.00"	-	
STRAIGHT CLIP	-	16.00"	-	
STEADY SET	-	18.00"	-	
NAIL FIN	5.00"	5.00"	-	

- THROUGH FRAME ANCHORS REQUIRED:
- ALL MULLION CONDITIONS
 - ALL HINGE & STRIKE PLATE CONDITIONS
 - ALL SILL CONDITIONS, REGARDLESS OF ANCHOR METHOD

HINGE SCHEDULE:
(1) ANCHOR WILL BE INSTALLED PER DOOR HINGE

FRAME HEIGHT < 84" ... 3 HINGES
84" ≤ FRAME HEIGHT < 99.4" ... 4 HINGES
99.4" ≤ FRAME HEIGHT < 108" ... 5 HINGES
FRAME HEIGHT ≥ 108" ... 6 HINGES



ANCHOR LAYOUT

XX INSWING DOOR INSTALLATION
(SEE TABLE BELOW)

ANCHOR SPACING TABLE				
INSTALLATION METHOD	MAX. O.C. SPACING: HEAD	MAX. O.C. SPACING: JAMBS	MAX. O.C. SPACING: SILL	CORNER DISTANCE
THROUGH FRAME	6.25	17.00"	6.25	6.00"
BENT CLIP	-	18.00"	-	
STRAIGHT CLIP	6.75	10.50"	-	
STEADY SET	-	SEE ANCHOR LAYOUT	-	
NAIL FIN	4.25"	5.00"	-	

NOTES:
BENT CLIP / STRAIGHT CLIP INSTALLATION BY ASTRAGAL SHOWN WITH ▭ ANCHOR.

STEADY SET INSTALLATION BY HINGES, LOCK JAMB, AND ASTRAGAL SHOWN WITH ▭ ANCHOR.



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TITLE: INSWING HINGED DOORS
(NON-HVHZ) (NON-IMPACT)

ANCHOR LAYOUTS

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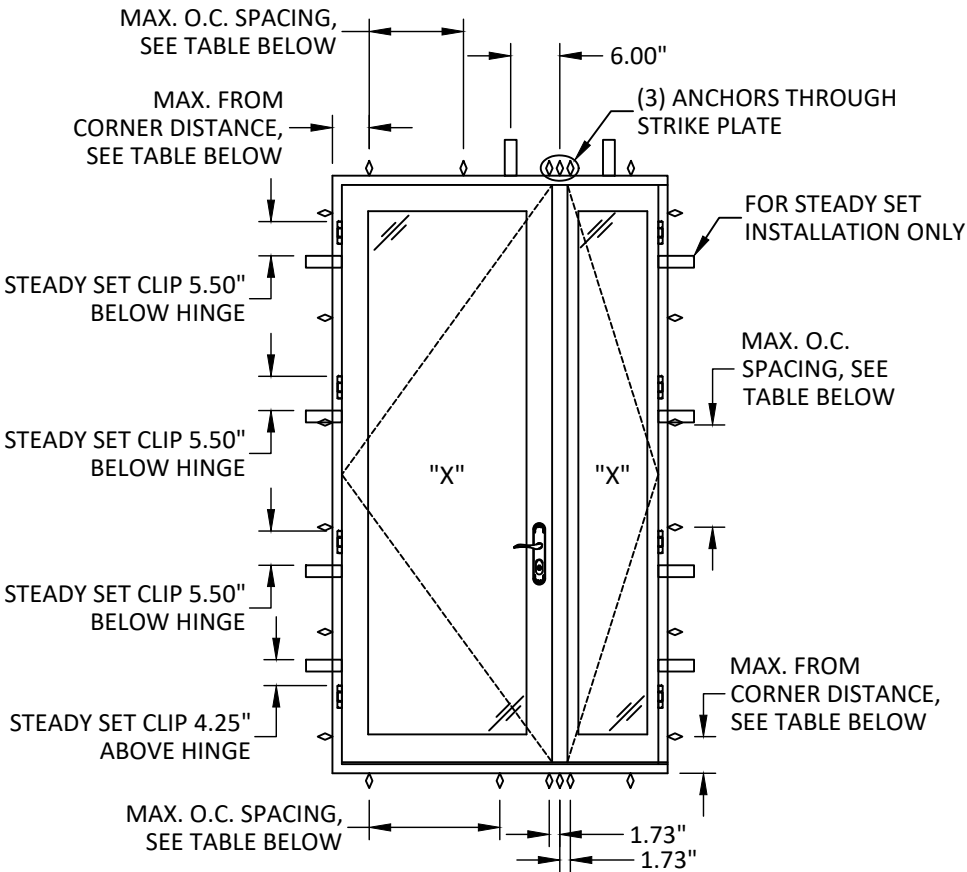
DWG. BY: JR
CHK. BY: HFN

SCALE: NTS

DWG. #: PLA006

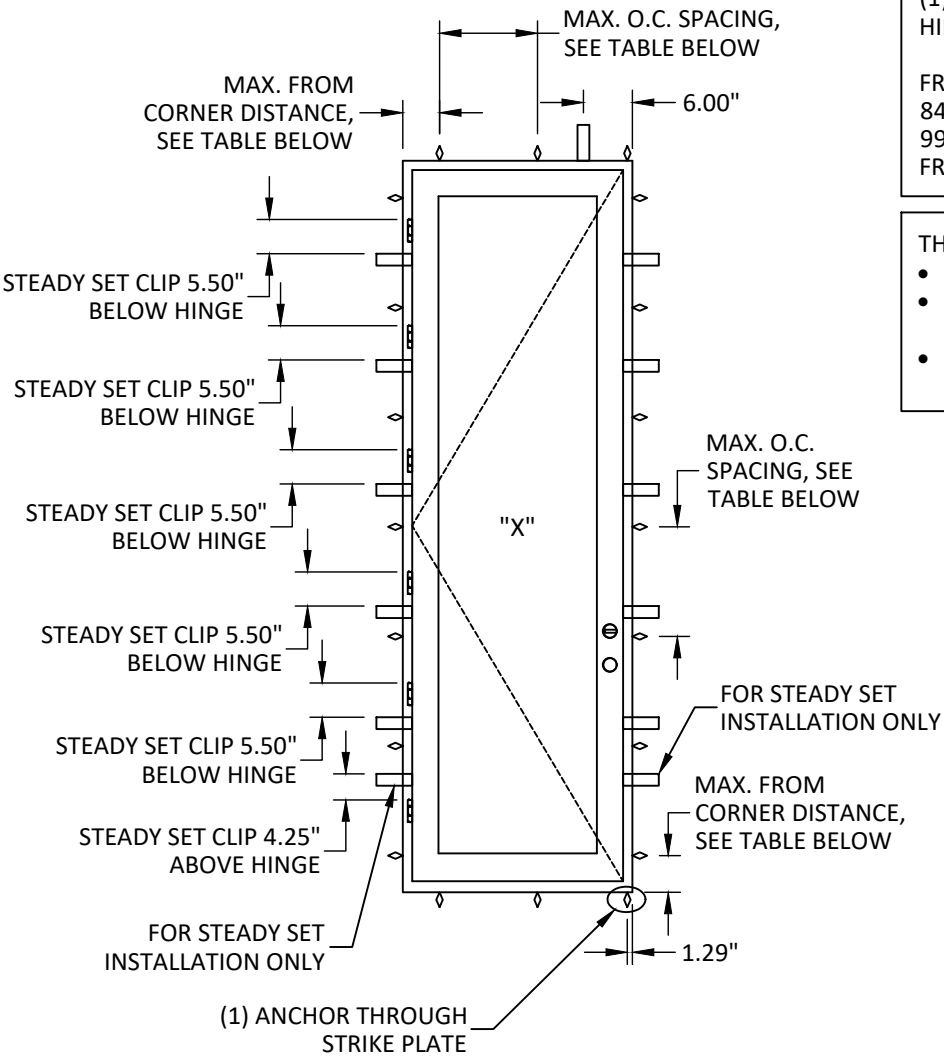
SHEET:

LEGEND:
◇ INSTALLATION ANCHOR
▭ STEADY SET CLIP, STRAIGHT CLIP, OR BENT CLIP



ANCHOR LAYOUT
XX INSWING DOOR INSTALLATION
(SEE TABLE BELOW)

ANCHOR SPACING TABLE				
INSTALLATION METHOD	MAX. O.C. SPACING: HEAD	MAX. O.C. SPACING: JAMBS	MAX. O.C. SPACING: SILL	CORNER DISTANCE
THROUGH FRAME	7.00"	14.25"	10.50"	6.00"
BENT CLIP	14.25"	18.00"	10.50"	
STRAIGHT CLIP	5.25"	10.50"	10.50"	
STEADY SET	-	SEE ANCHOR LAYOUT	-	
NAIL FIN	4.75"	5.00"	10.50"	



ANCHOR LAYOUT
X INSWING DOOR INSTALLATION
(SEE TABLE BELOW)

ANCHOR SPACING TABLE				
INSTALLATION METHOD	MAX. O.C. SPACING: HEAD	MAX. O.C. SPACING: JAMBS	MAX. O.C. SPACING: SILL	CORNER DISTANCE
THROUGH FRAME	16.00"	14.25"	16.00"	6.00"
BENT CLIP	16.00"	18.00"	16.00"	
STRAIGHT CLIP	16.00"	9.50"	16.00"	
STEADY SET	-	SEE ANCHOR LAYOUT	-	
NAIL FIN	5.00"	5.00"	16.00"	

HINGE SCHEDULE:
(1) ANCHOR WILL BE INSTALLED PER DOOR HINGE

FRAME HEIGHT < 84" ... 3 HINGES
84" ≤ FRAME HEIGHT < 99.4" ... 4 HINGES
99.4" ≤ FRAME HEIGHT < 108" ... 5 HINGES
FRAME HEIGHT ≥ 108" ... 6 HINGES

- THROUGH FRAME ANCHORS REQUIRED:
- ALL MULLION CONDITIONS
 - ALL HINGE & STRIKE PLATE CONDITIONS
 - ALL SILL CONDITIONS, REGARDLESS OF ANCHOR METHOD

NOTES:
BENT CLIP / STRAIGHT CLIP INSTALLATION BY ASTRAGAL SHOWN WITH ▭ ANCHOR.

STEADY SET INSTALLATION BY HINGES, LOCK JAMB, AND ASTRAGAL SHOWN WITH ▭ ANCHOR.



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TITLE: INSWING HINGED DOORS
(NON-HVHZ) (NON-IMPACT)

ANCHOR LAYOUTS

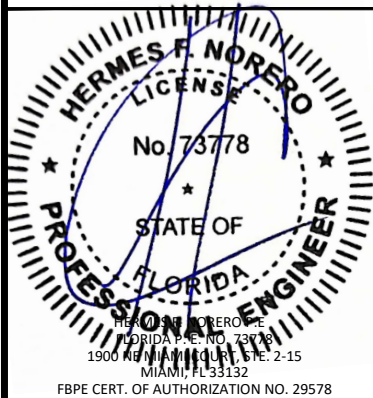
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DWG. BY: JR

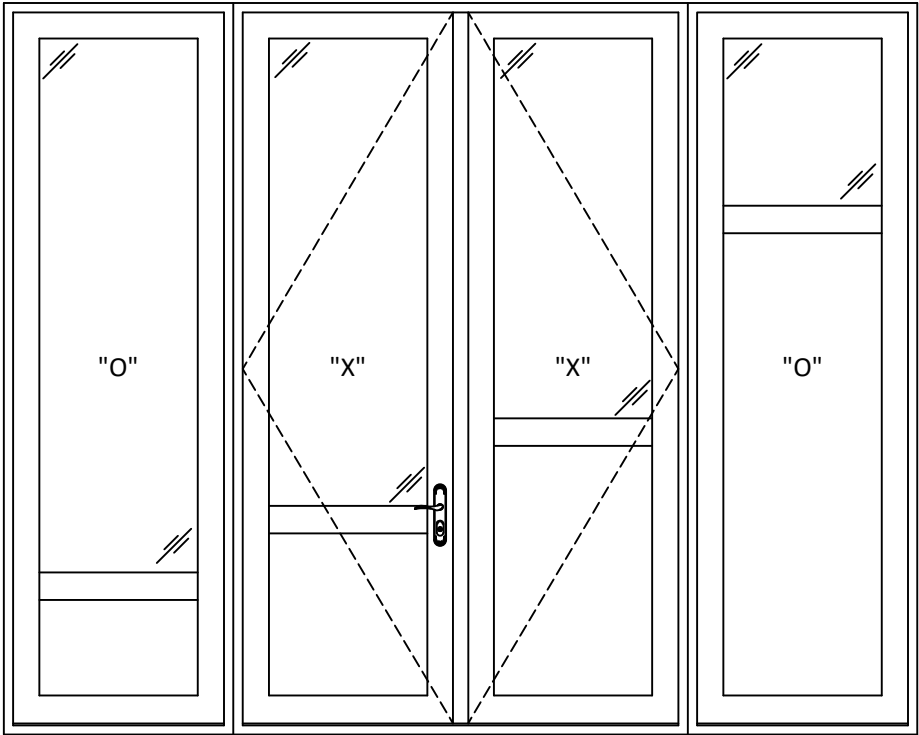
CHK. BY: HFN

SCALE: NTS

DWG. #: PLA006

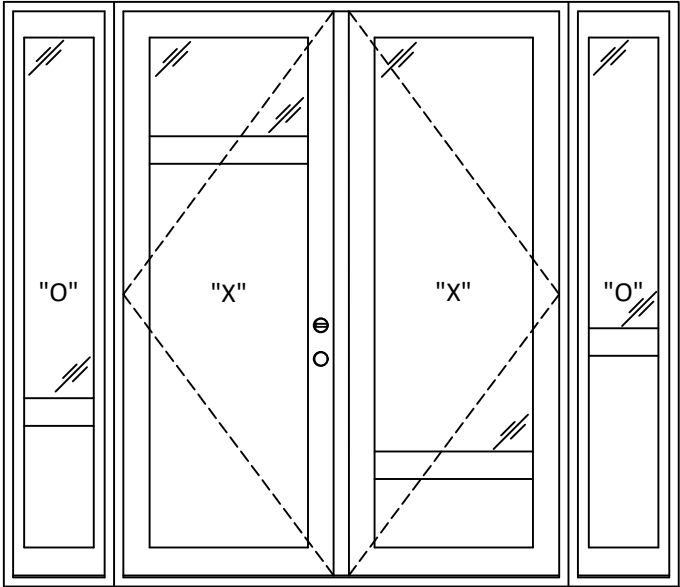
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QUALIFIED MIDRAIL CONFIGURATIONS



3/4 LITE MIDRAIL 2/3 LITE MIDRAIL 1/2 LITE MIDRAIL CRAFTSMAN MIDRAIL

ELEVATION
OXXO CONFIGURATION



2/3 LITE MIDRAIL CRAFTSMAN MIDRAIL 3/4 LITE MIDRAIL 1/2 LITE MIDRAIL

ELEVATION
OXXO CONFIGURATION

NOTE: ALL MIDRAIL OPTIONS QUALIFIED FOR ALL APPROVED DOOR CONFIGURATIONS.

D.L.O. DIMENSIONS:
3/4 LITE:
D.L.O. HEIGHT = FRAME HEIGHT - 27.88"

2/3 LITE:
D.L.O. HEIGHT = FRAME HEIGHT - 36.56"

1/2 LITE:
D.L.O. HEIGHT = FRAME HEIGHT - 48.00"

CRAFTSMAN:
D.L.O. HEIGHT = 19.75"



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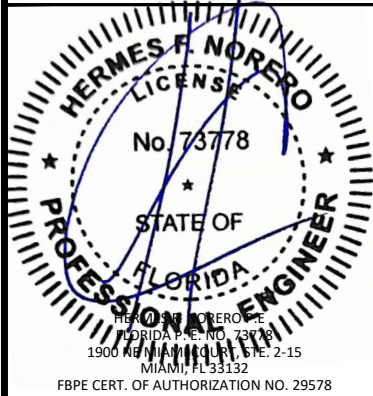
QUALIFIED MIDRAIL
OPTIONS

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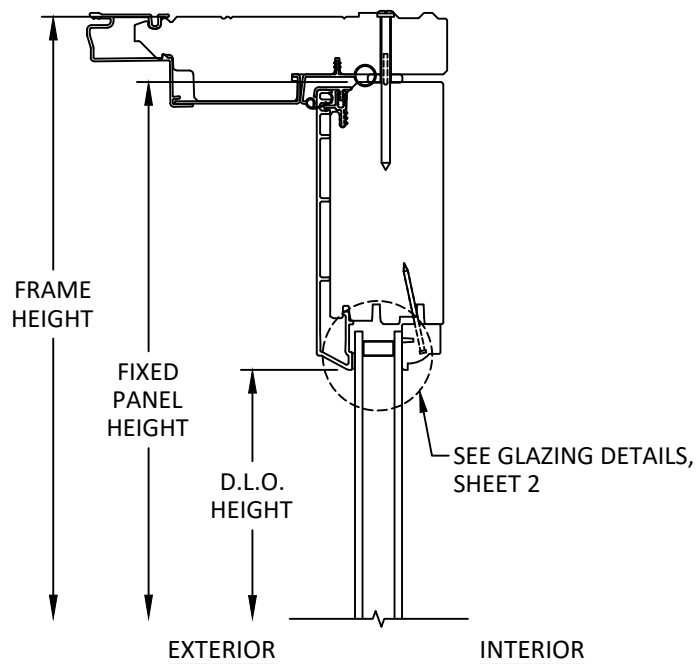
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CHK. BY: HFN

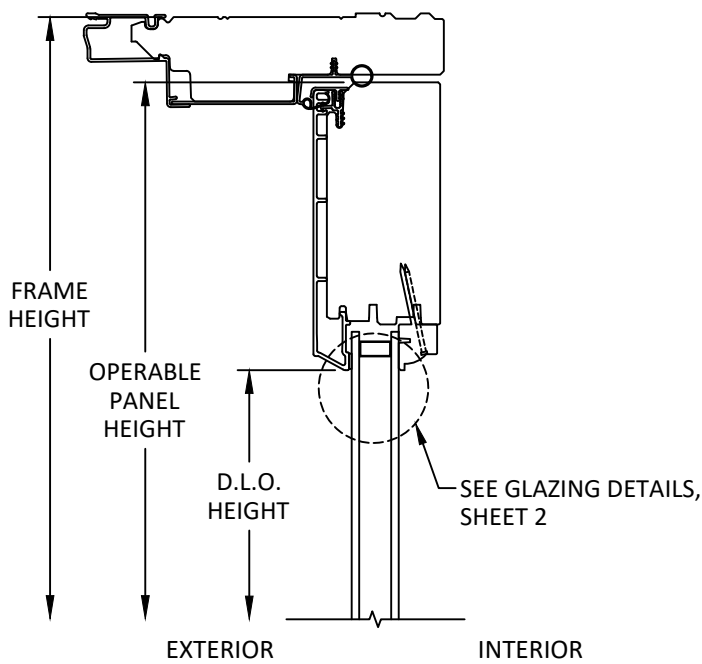
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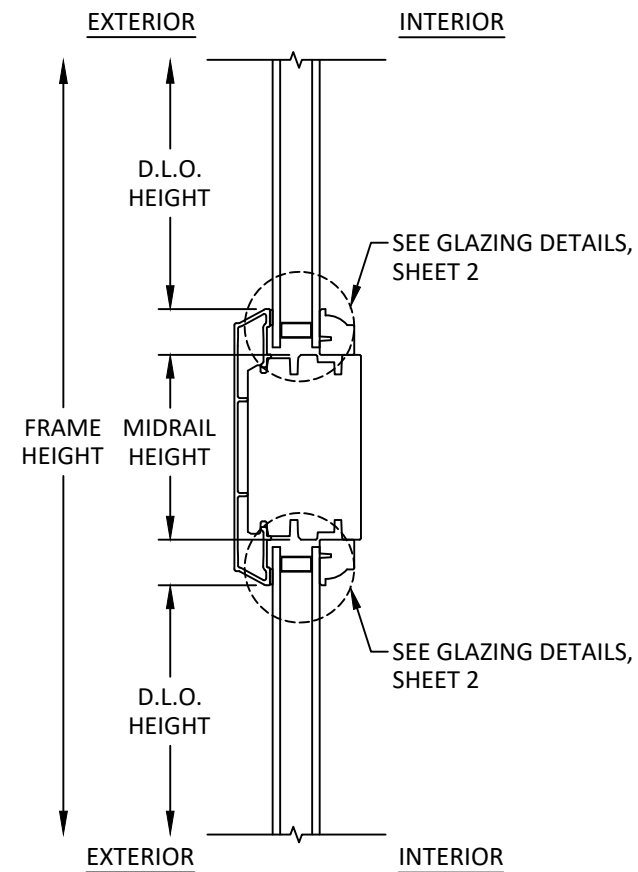
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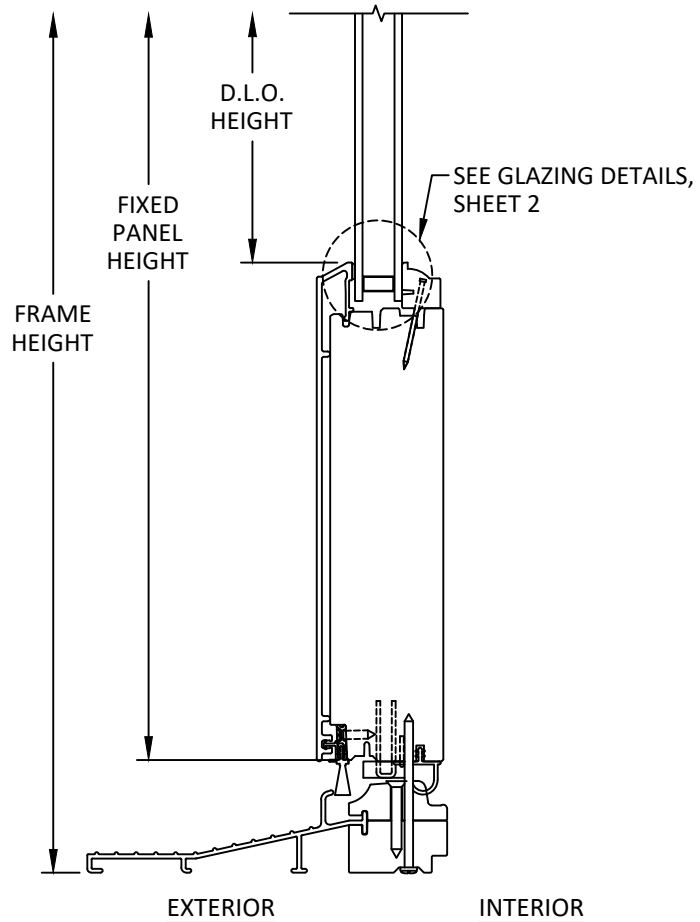
A
13
VERTICAL SECTION
FIXED DOOR & SIDELITE
HEAD



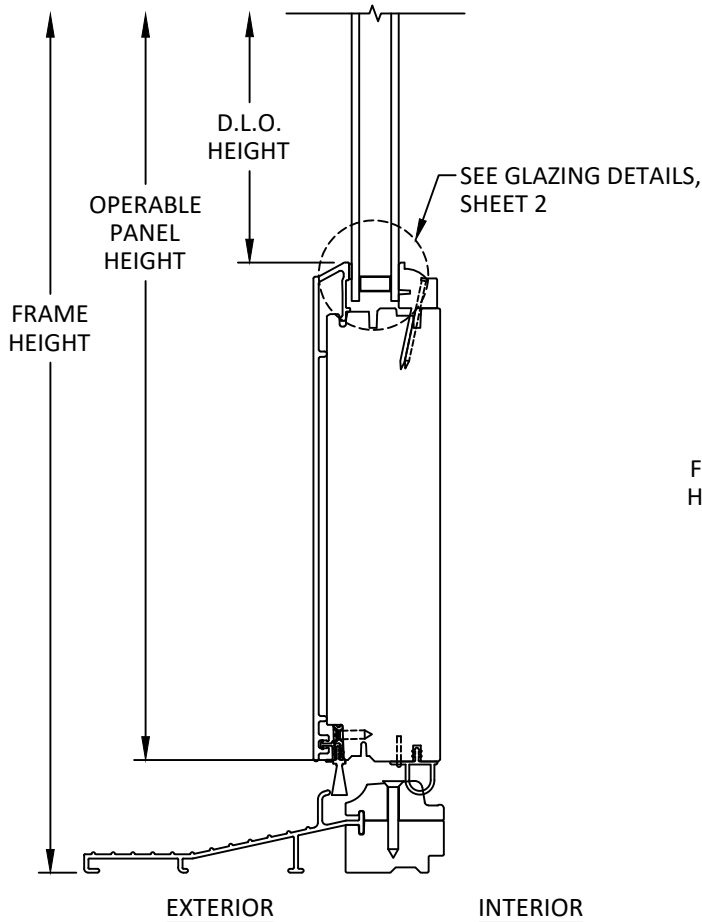
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VERTICAL SECTION
OPERABLE DOOR
HEAD



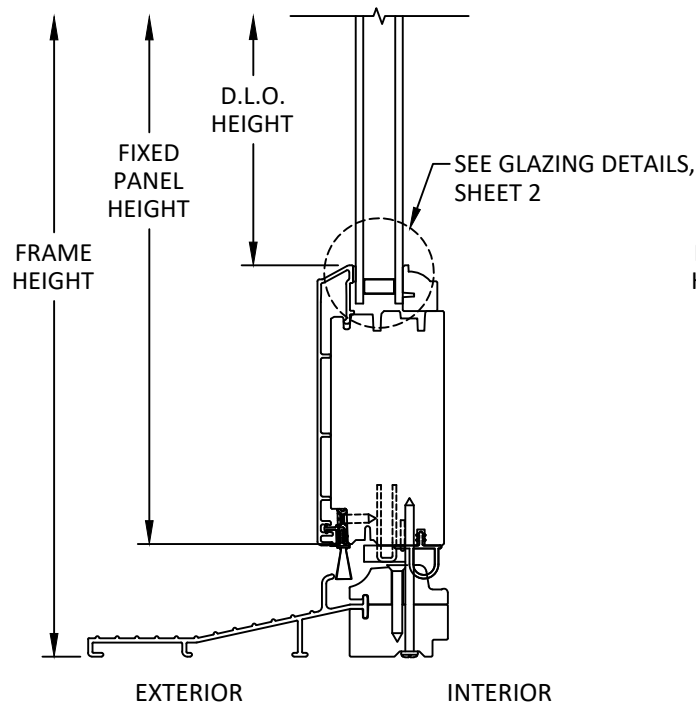
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VERTICAL SECTION
MIDRAIL



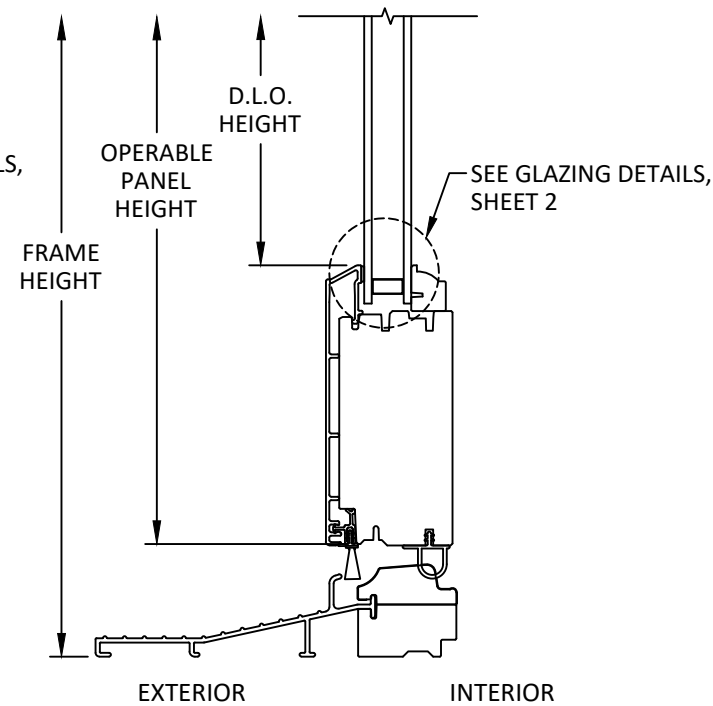
B
13
VERTICAL SECTION
FIXED DOOR & SIDELITE
SILL - FRENCH BOTTOM RAIL



D
13
VERTICAL SECTION
OPERABLE DOOR
SILL - FRENCH BOTTOM RAIL



F
13
VERTICAL SECTION
FIXED DOOR & SIDELITE
SILL - CONTEMPORARY BOTTOM RAIL



G
13
VERTICAL SECTION
OPERABLE DOOR
SILL - CONTEMPORARY BOTTOM RAIL



102 MAIN ST.
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TITLE: INSWING HINGED DOORS
(NON-HVHZ) (NON-IMPACT)

VERTICAL SECTIONS

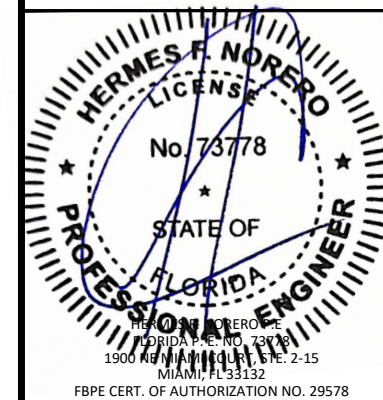
PREPARED BY: BUILDING DROPS, INC.

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REMARKS	BY	DATE

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DWG. BY:
JR

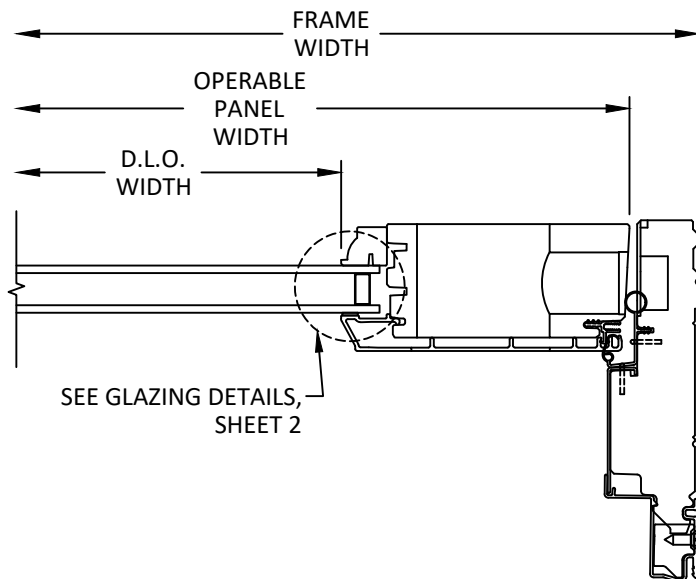
CHK. BY:
HFN

SCALE: NTS

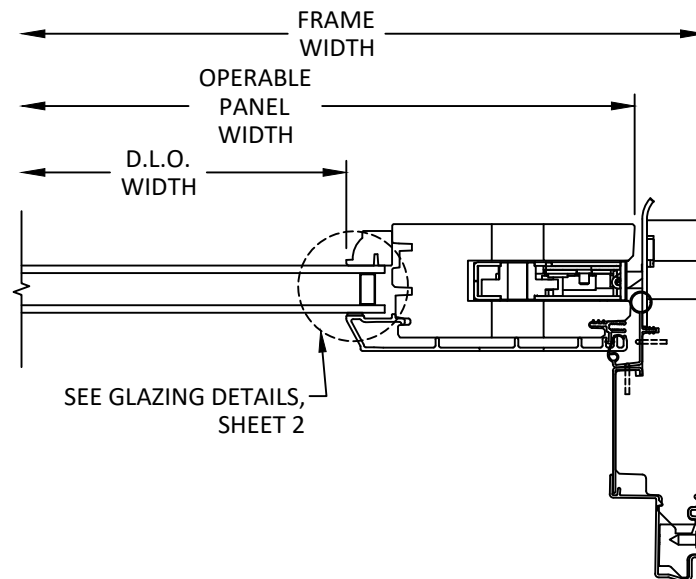
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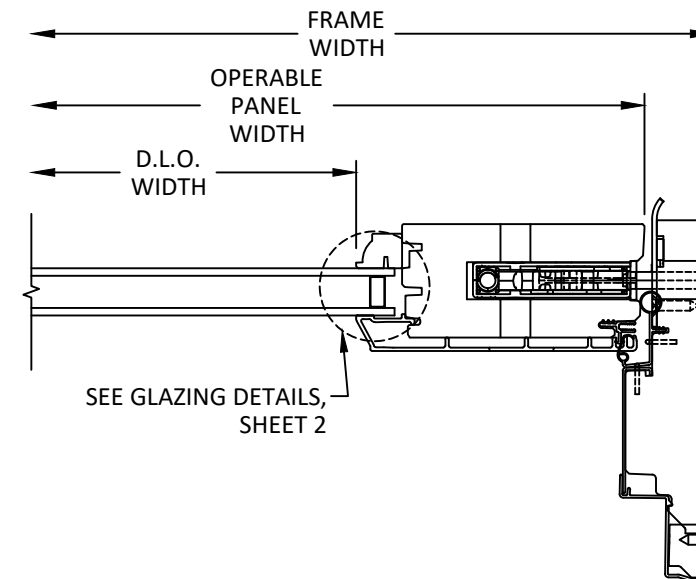
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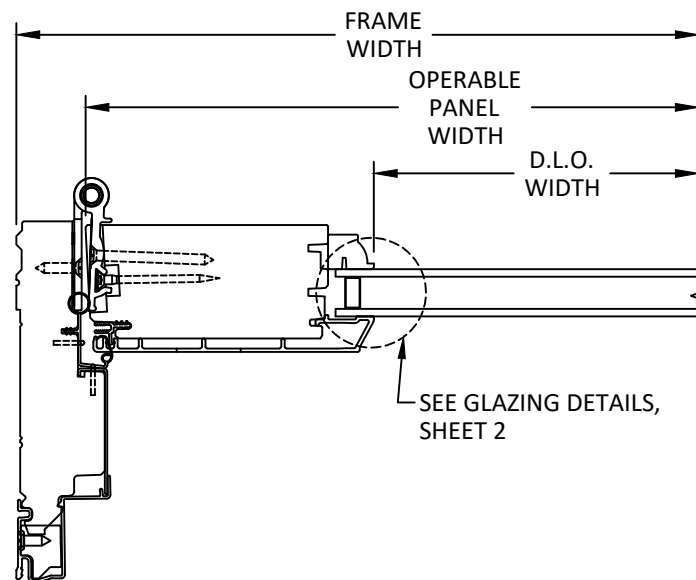
A HORIZONTAL SECTION
14 LOCK JAMB
2.38" BACKSET LATCH & DEADBOLT



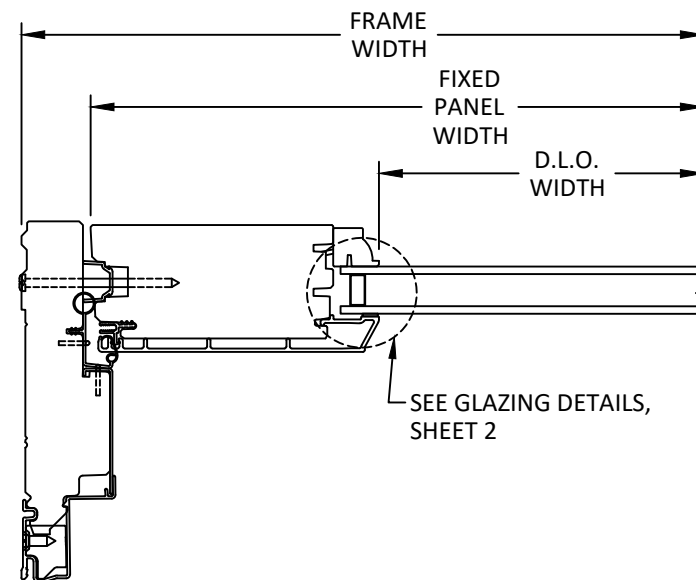
B HORIZONTAL SECTION
14 LOCK JAMB
45 MM BACKSET MULTI-POINT LOCK



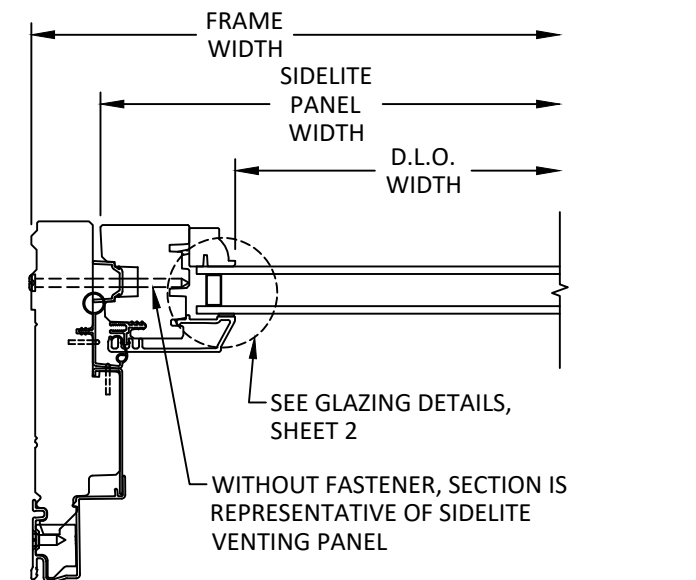
C HORIZONTAL SECTION
14 LOCK JAMB
50 MM BACKSET MULTI-POINT LOCK



D HORIZONTAL SECTION
14 HINGE JAMB



E HORIZONTAL SECTION
14 FIXED JAMB



F HORIZONTAL SECTION
14 SIDELITE JAMB
FIXED OR VENTING PANEL



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TITLE: INSWING HINGED DOORS
(NON-HVHZ) (NON-IMPACT)

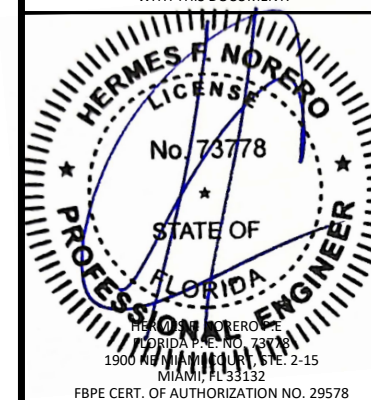
HORIZONTAL SECTIONS

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REMARKS	BY	DATE

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DWG. BY: JR
CHK. BY: HFN

SCALE: NTS

DWG. #: PLA006

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TITLE: **INSWING HINGED DOORS
(NON-HVHZ) (NON-IMPACT)**
HORIZONTAL SECTIONS

REMARKS	BY	DATE

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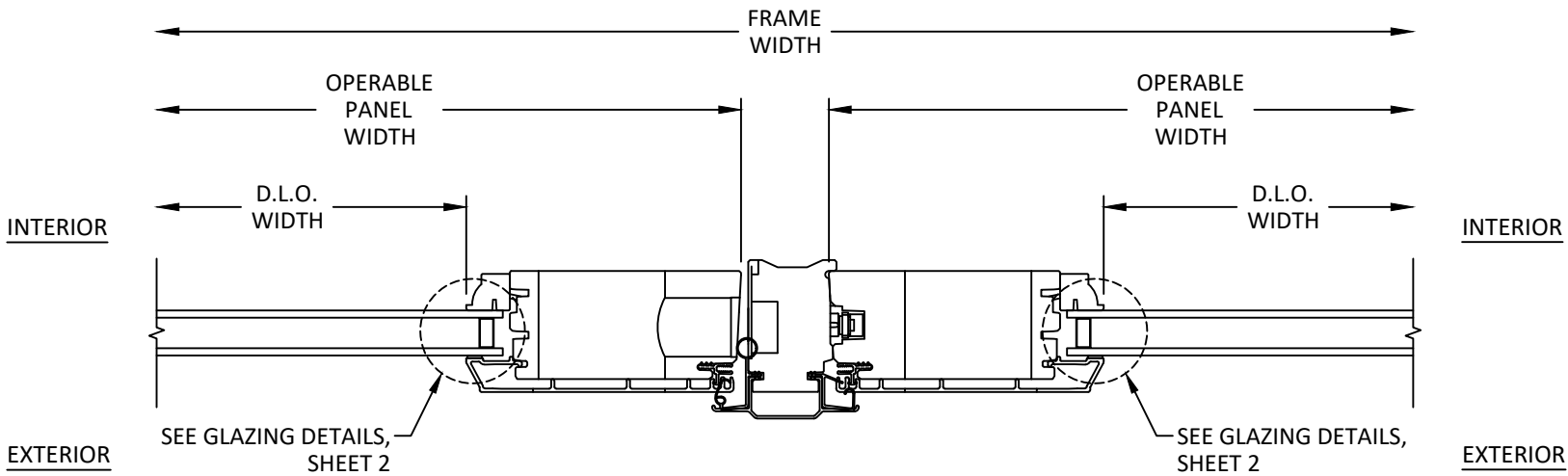
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DWG. BY: JR	CHK. BY: HFN
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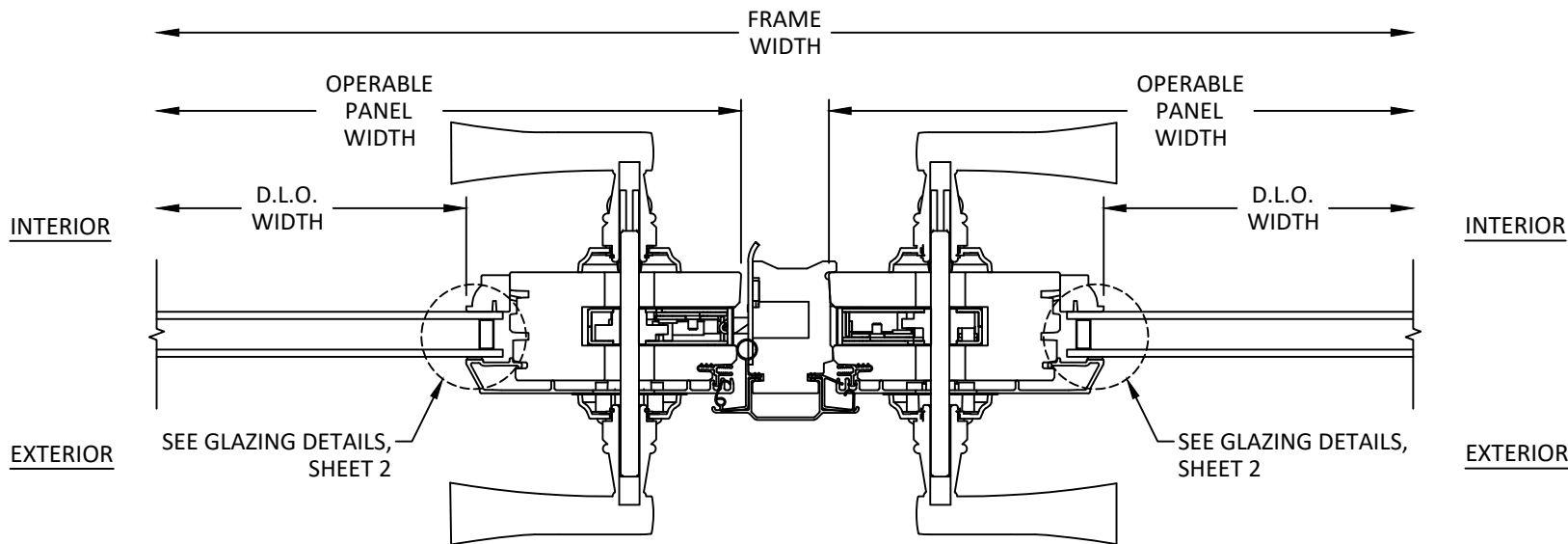
SCALE: **NTS**

DWG. #: **PLA006**

SHEET:



A
15 **HORIZONTAL SECTION**
ASTRAGAL: ACTIVE / INACTIVE
2.38" BACKSET LATCH & DEADBOLT



B
15 **HORIZONTAL SECTION**
ASTRAGAL: ACTIVE / PASSIVE
45 MM BACKSET MULTI-POINT LOCK



102 MAIN ST.
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PH: (641) 621-6096

TITLE: INSWING HINGED DOORS
(NON-HVHZ) (NON-IMPACT)

HORIZONTAL SECTIONS

BUILDING DROPS, INC.

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PREPARED BY:



REMARKS	BY	DATE

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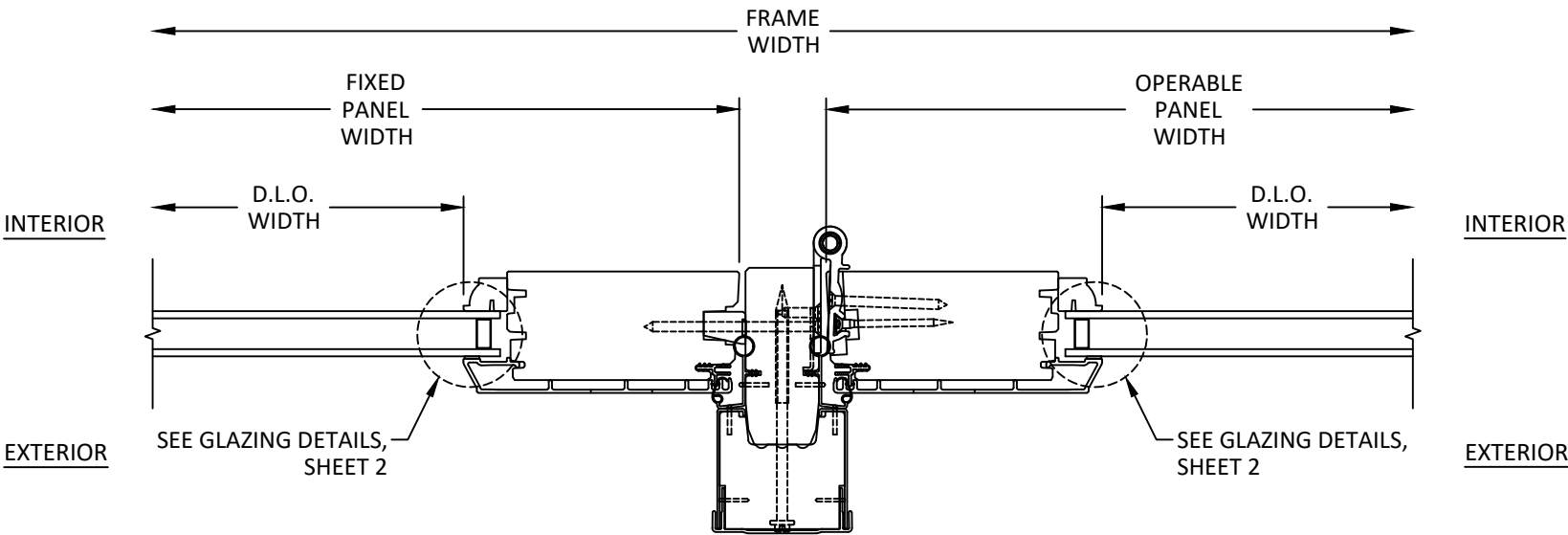
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HFN

SCALE: NTS

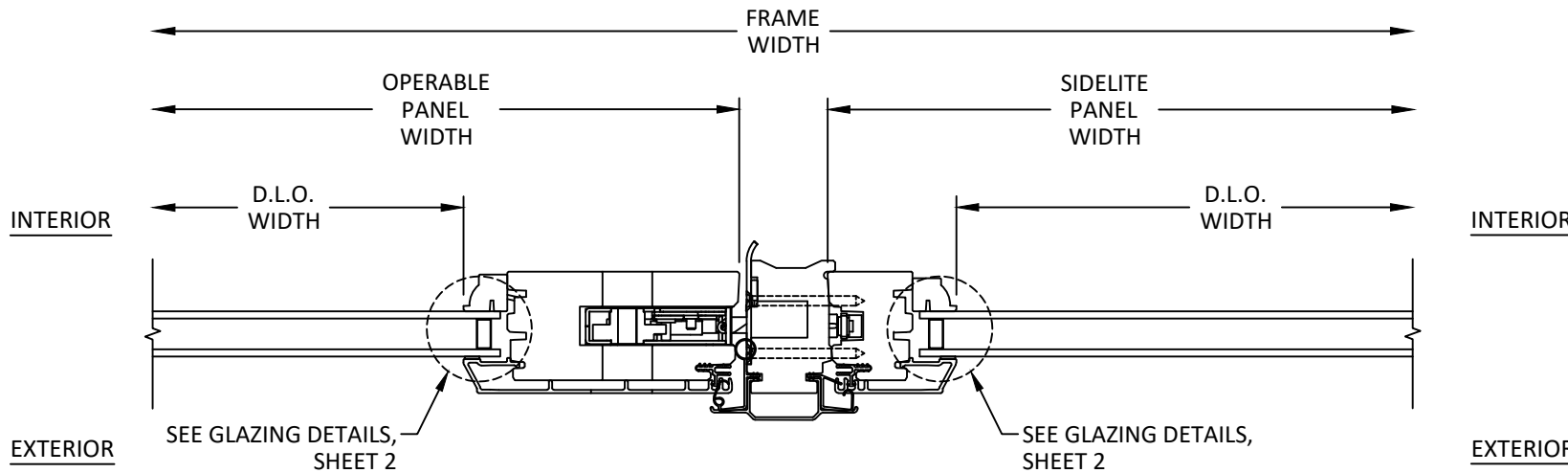
DWG. #: PLA006

SHEET:

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A HORIZONTAL SECTION
16 ASTRAGAL: FIXED / ACTIVE
50 MM BACKSET MULTI-POINT LOCK



B HORIZONTAL SECTION
16 ASTRAGAL: ACTIVE / SIDELITE-VENT
50 MM BACKSET MULTI-POINT LOCK



102 MAIN ST.
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TITLE: INSWING HINGED DOORS
(NON-HVHZ) (NON-IMPACT)

HORIZONTAL SECTIONS

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REMARKS	BY	DATE

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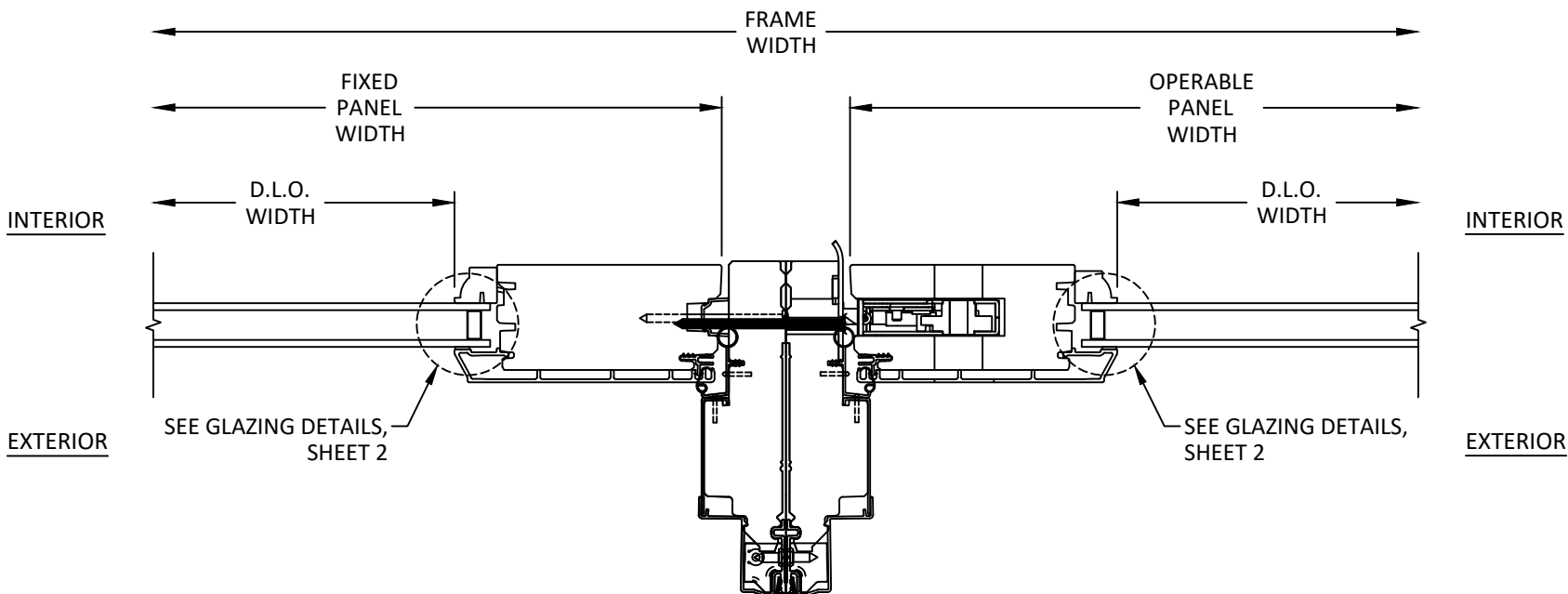
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HFN

SCALE: NTS

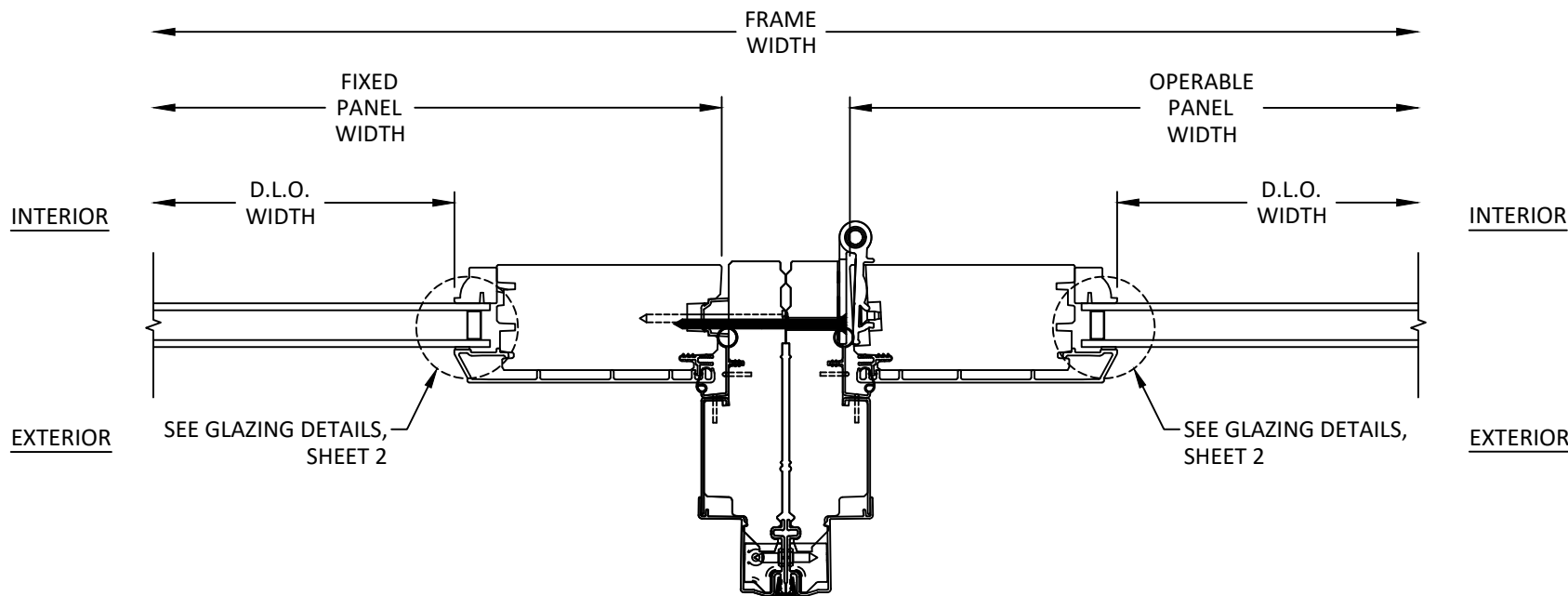
DWG. #: PLA006

SHEET:

17 OF 22



A HORIZONTAL SECTION
17 MULLION: FIXED / ACTIVE
45 MM BACKSET MULTI-POINT LOCK



B HORIZONTAL SECTION
17 MULLION: FIXED / PASSIVE



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DWG. BY:
JR

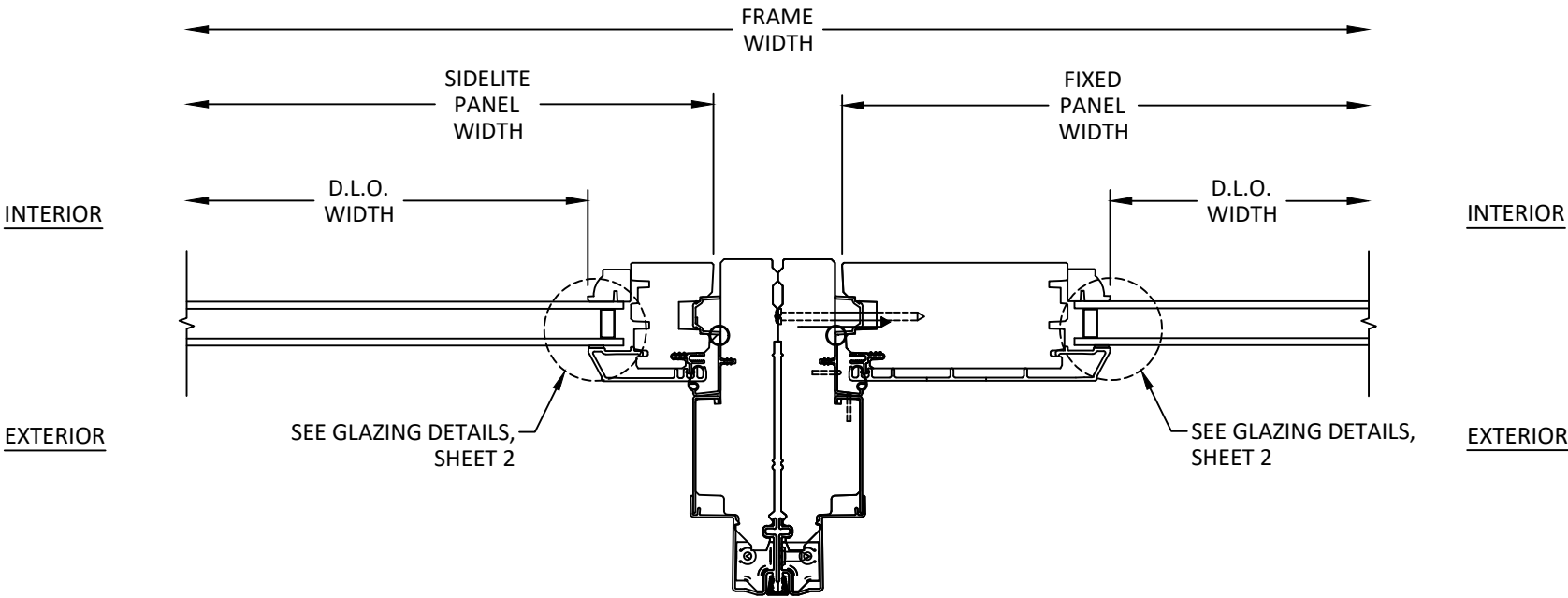
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HFN

SCALE: NTS

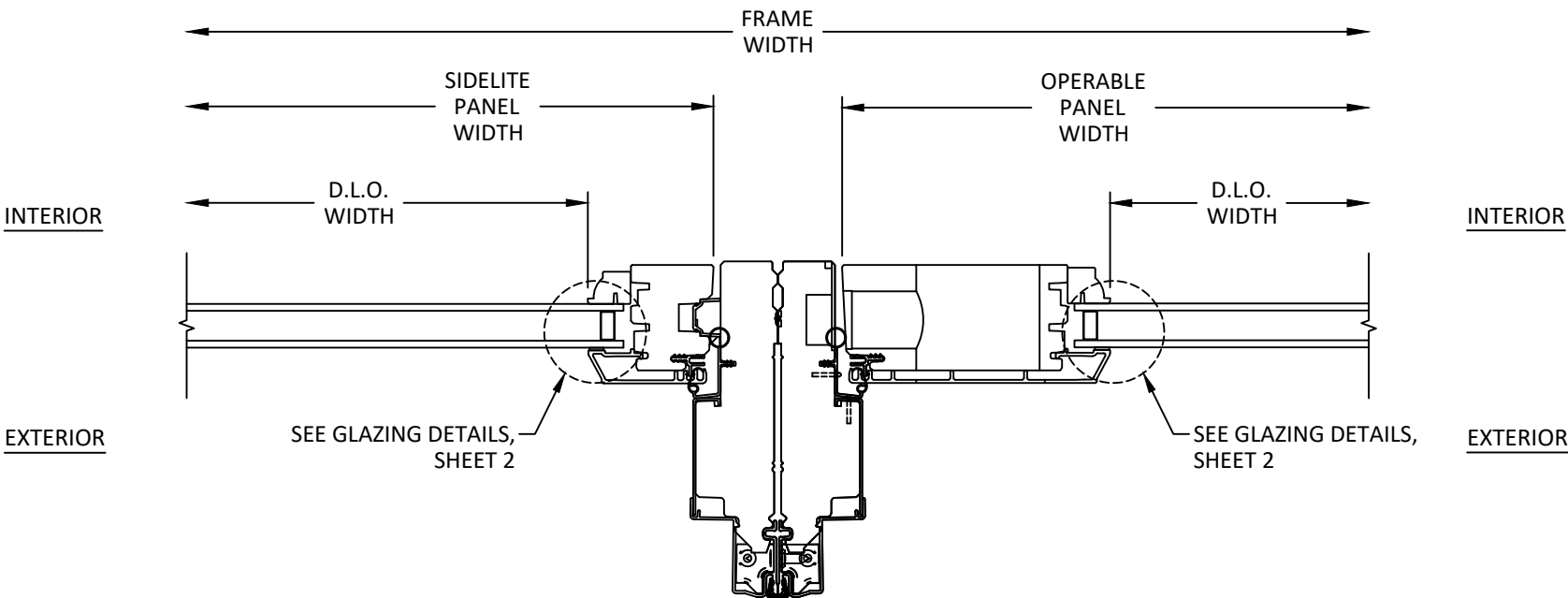
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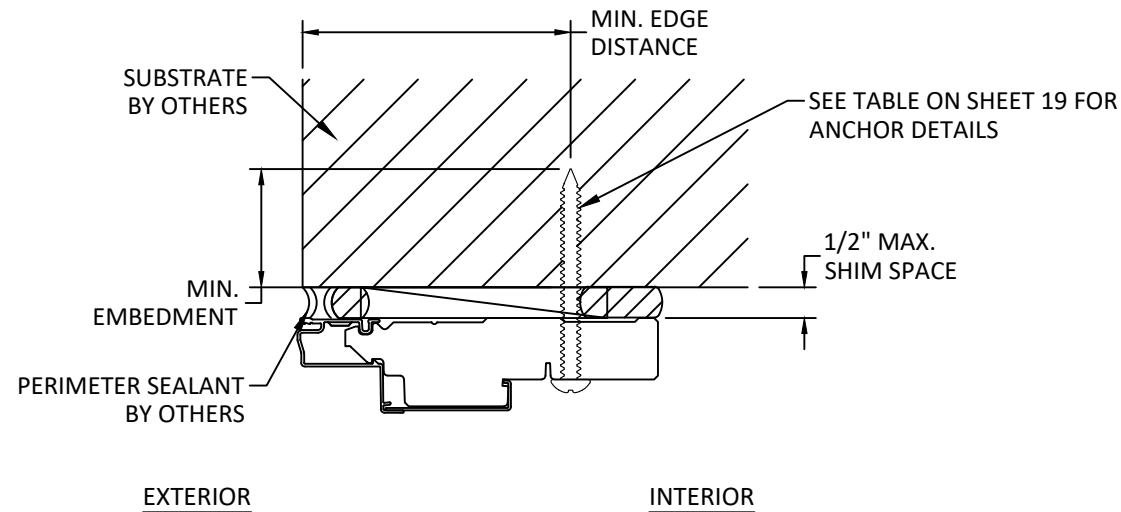
18 OF 22



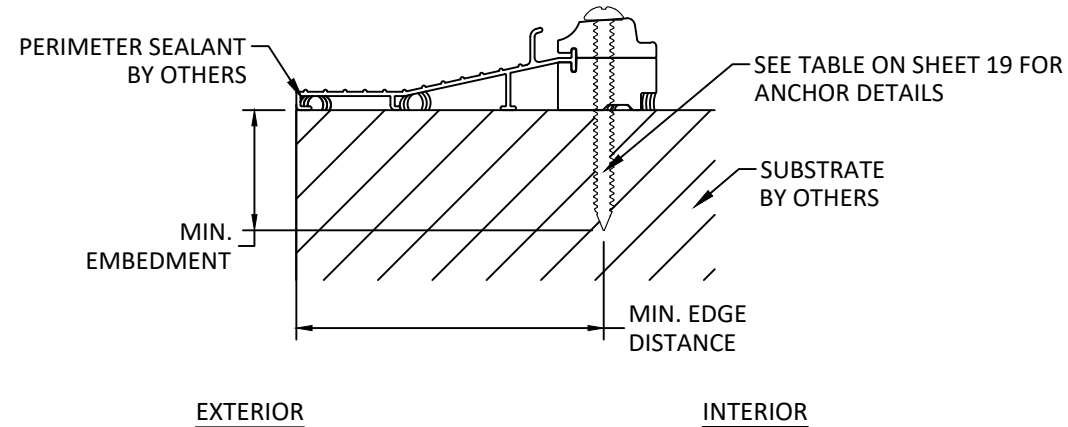
A HORIZONTAL SECTION
18 MULLION: SIDELITE / FIXED



B HORIZONTAL SECTION
18 MULLION: SIDELITE / ACTIVE
2.38" LATCH & DEADBOLT



A
19 VERTICAL SECTION
THROUGH FRAME INSTALLATION
HEAD - OPERABLE PANEL, JAMB SIMILAR



B
19 VERTICAL SECTION
THROUGH FRAME INSTALLATION
SILL - OPERABLE PANEL

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN FOR THROUGH FRAME INSTALLATION OR NAIL FIN INSTALLATION. TWO (2) INSTALLATION ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN FOR STRAIGHT CLIP INSTALLATION, STEADY SET INSTALLATION, OR BENT CLIP INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). 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 HIGH DENSITY PLASTIC OR BETTER.
- 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 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.
- 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	ANCHOR QUANTITY PER LOCATION	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	1	WOOD: MIN. SG = 0.55	#10 / #12 WOOD SCREW	1.50"	0.75"
		METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI ALUMINUM: 1/8" MIN., 6063-T5	#10 / #12 SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND STRUCTURE	0.50"
		CONCRETE: f'c=3000PSI	3/16" / 1/4" ITW TAPCON	1.75"	2.50"
		MASONRY: CMU per ASTM C90 MIN. 2000 PSI		1.00"	
STRAIGHT CLIP / BENT CLIP / STEADY SET	2	WOOD: MIN. SG = 0.55	#6 WOOD SCREW	1.50"	0.75"
		METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI ALUMINUM: 1/8" MIN., 6063-T5	#6 SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND STRUCTURE	0.50"
		CONCRETE: f'c=3000PSI	3/16" ITW TAPCON	1.75"	2.50"
		MASONRY: CMU per ASTM C90 MIN. 2000 PSI		1.00"	
NAIL FIN	1	WOOD: MIN. SG = 0.55	11 GAUGE WOOD NAIL / #8 WOOD SCREW	1.50"	0.75"
		METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI ALUMINUM: 1/8" MIN., 6063-T5	#8 SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND STRUCTURE	0.50"



102 MAIN ST.
PELLA, IA 50219
PH: (641) 621-6096

TITLE: INSWING HINGED DOORS
(NON-HVHZ) (NON-IMPACT)

ANCHOR DETAILS,
ANCHOR SCHEDULE, &
INSTALLATION NOTES

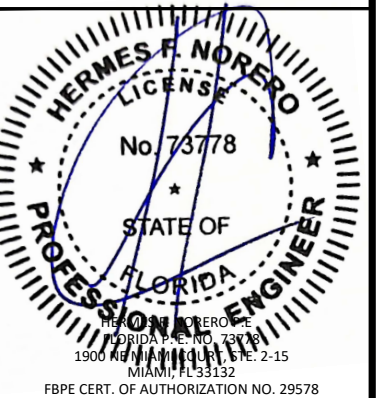
PREPARED BY: BUILDING DROPS, INC.

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



REMARKS	BY	DATE

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.



FL48408

DATE: 07/26/2026

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

DWG. #: PLA006

SHEET:

19 OF 22



102 MAIN ST.
PELLA, IA 50219
PH: (641) 621-6096

TITLE: INSWING HINGED DOORS
(NON-HVHZ) (NON-IMPACT)

ANCHOR DETAILS

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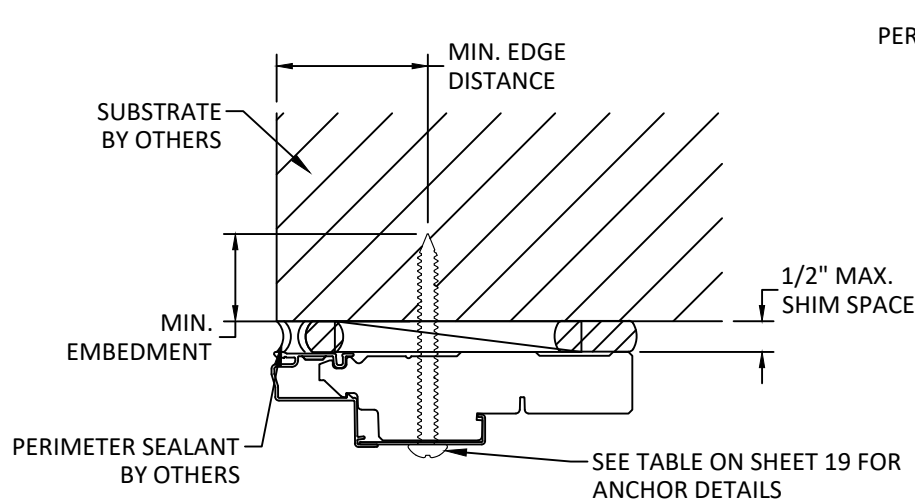
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CHK. BY: HFN

SCALE: NTS

DWG. #: PLA006

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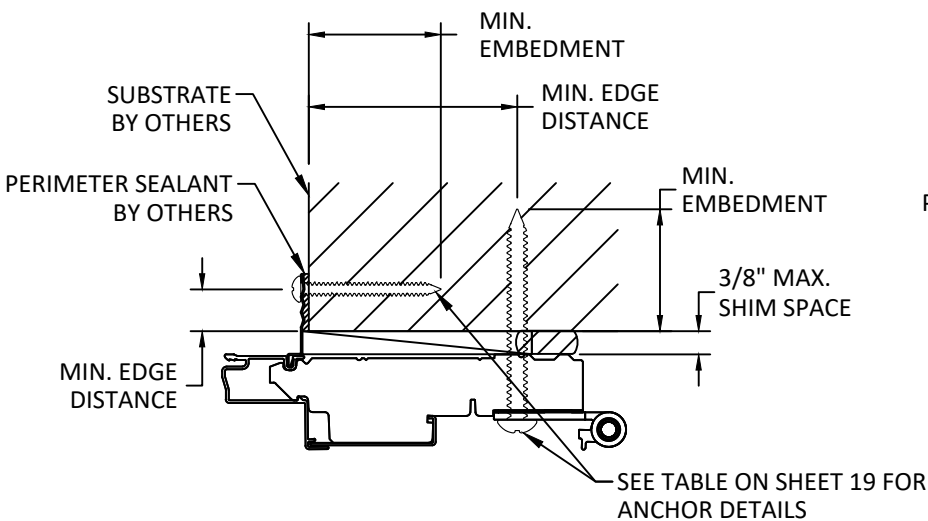
20 OF 22



EXTERIOR

INTERIOR

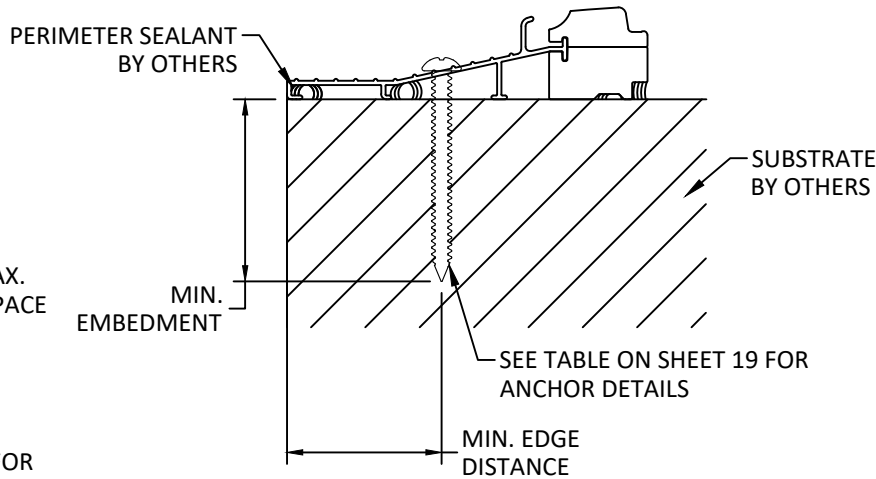
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20 VERTICAL SECTION
THROUGH FRAME INSTALLATION
HEAD - FIXED PANEL, JAMB SIMILAR



EXTERIOR

INTERIOR

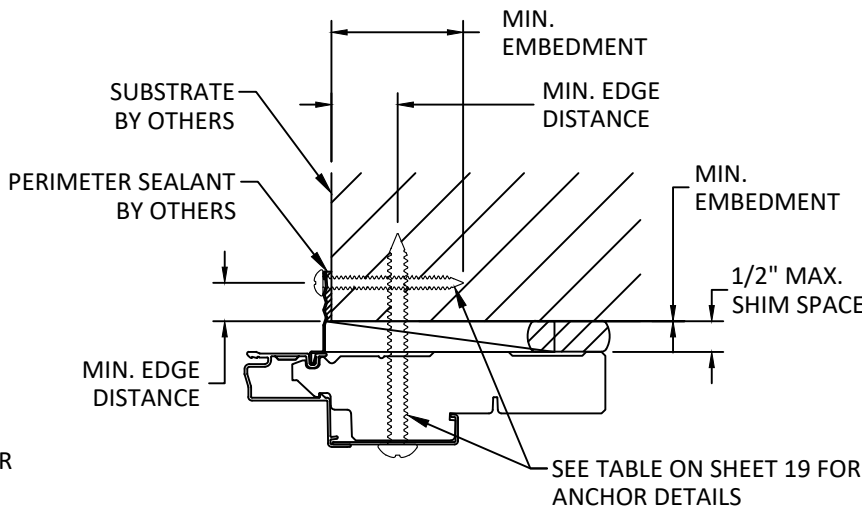
D
20 VERTICAL SECTION
NAIL FIN / THROUGH FRAME INSTALLATION
JAMB - OPERABLE PANEL



EXTERIOR

INTERIOR

B
20 VERTICAL SECTION
THROUGH FRAME INSTALLATION
SILL - FIXED PANEL

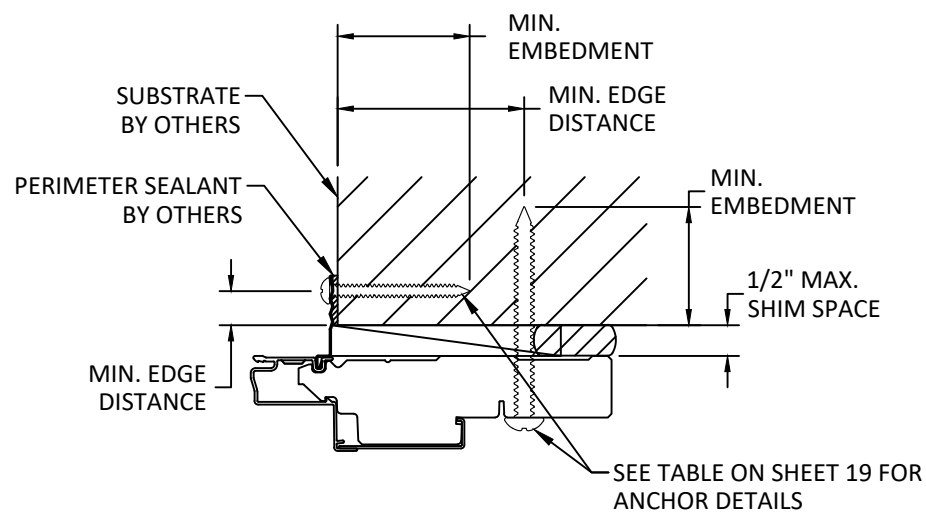


EXTERIOR

INTERIOR

E
20 VERTICAL SECTION
NAIL FIN / THROUGH FRAME INSTALLATION
HEAD - FIXED PANEL

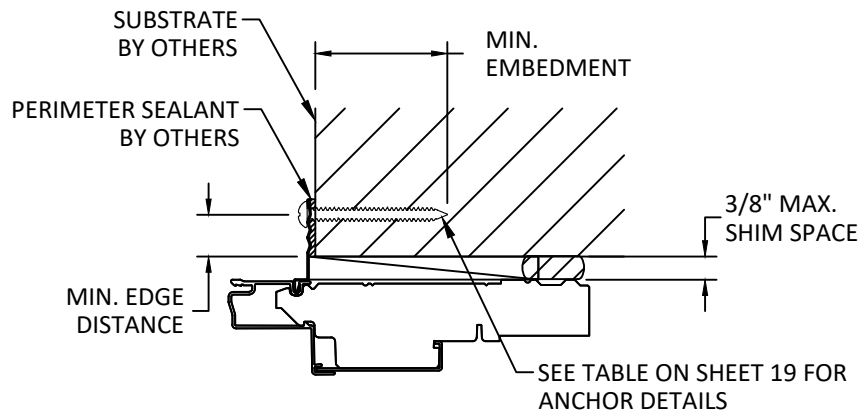
NOTE: NAIL FIN & THROUGH FRAME
INSTALLATION ANCHORS ARE OFFSET



EXTERIOR

INTERIOR

C
20 VERTICAL SECTION
NAIL FIN / THROUGH FRAME INSTALLATION
HEAD - OPERABLE PANEL



EXTERIOR

INTERIOR

F
20 VERTICAL SECTION
NAIL FIN / THROUGH FRAME INSTALLATION
JAMB - FIXED PANEL



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ANCHOR DETAILS

BUILDING DROPS, INC.

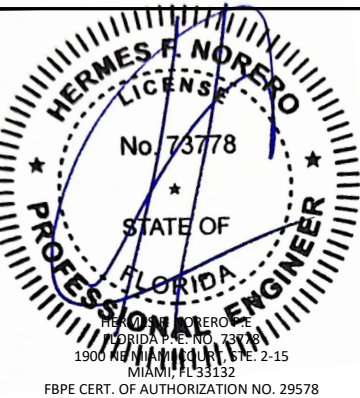
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
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PREPARED BY:



REMARKS	BY	DATE

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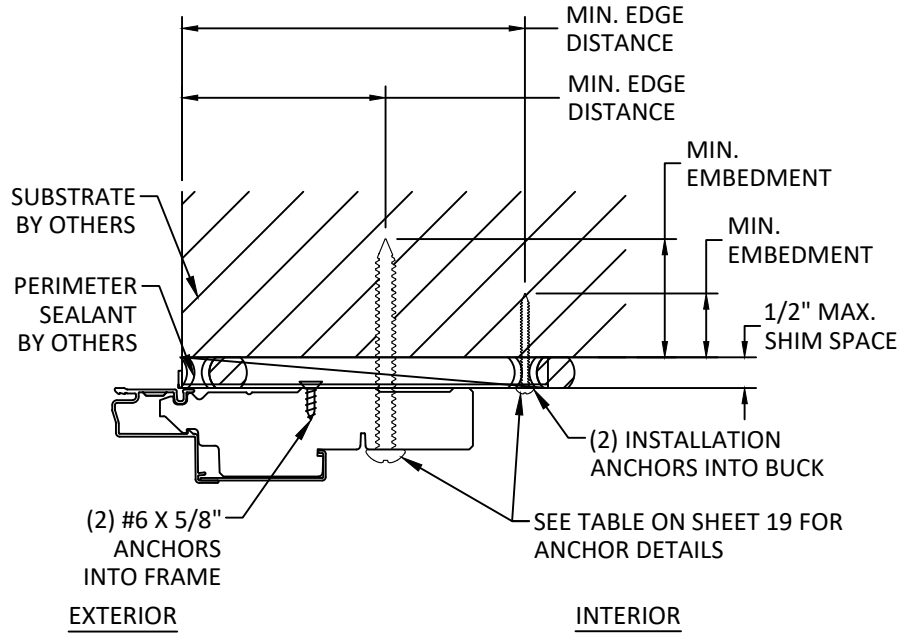
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CHK. BY: HFN

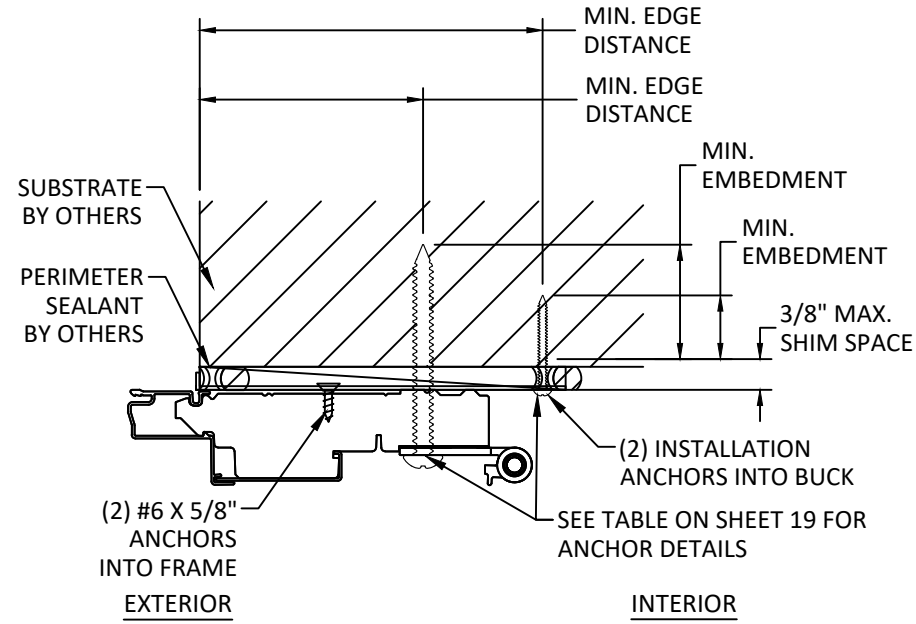
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DWG. #: PLA006

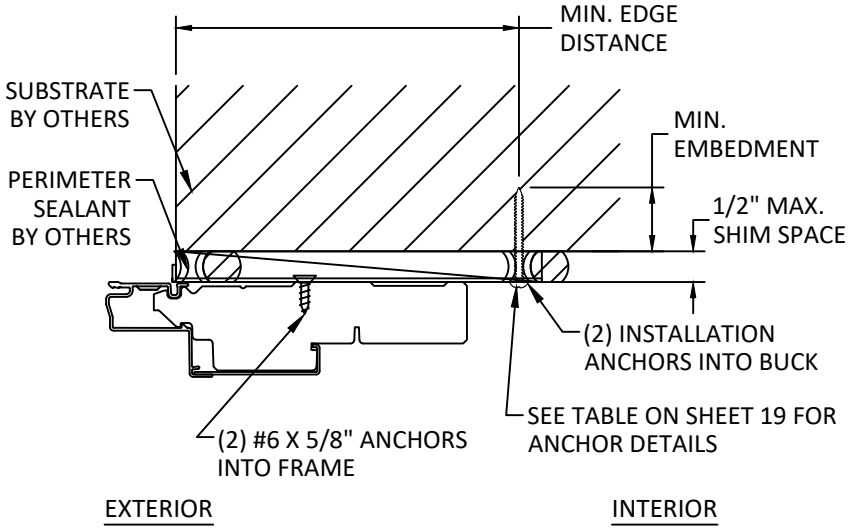
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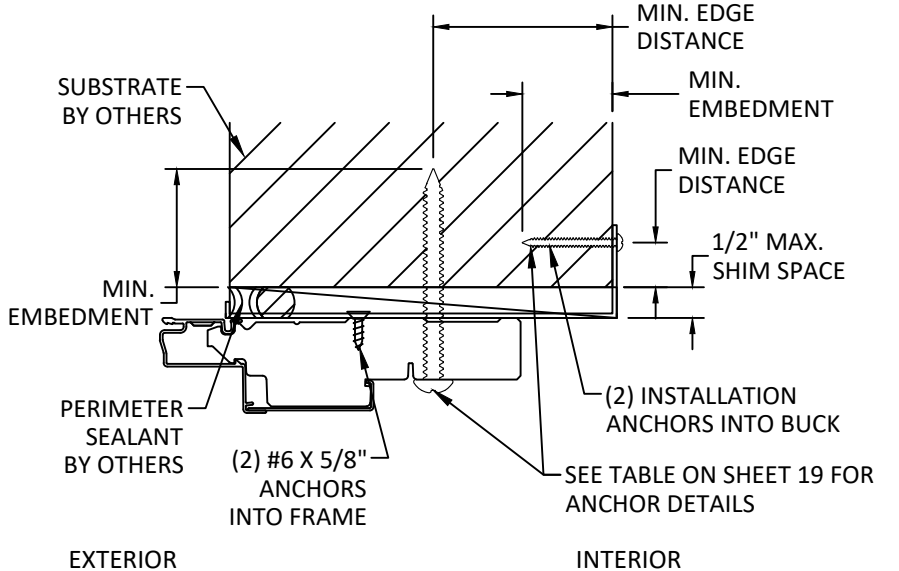
A
21
VERTICAL SECTION
STRAIGHT CLIP / THROUGH FRAME
INSTALLATION
HEAD - OPERABLE PANEL



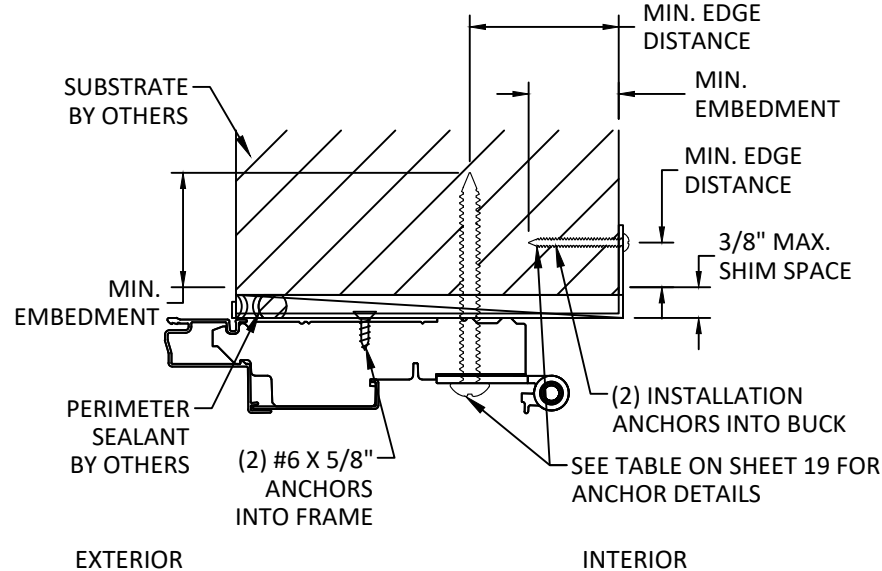
B
21
VERTICAL SECTION
STRAIGHT CLIP / THROUGH FRAME
INSTALLATION
JAMB - OPERABLE PANEL



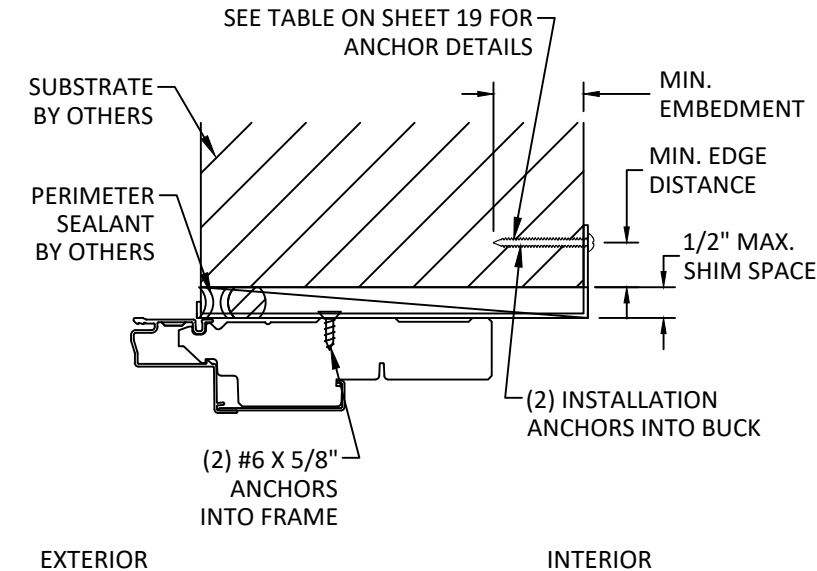
C
21
VERTICAL SECTION
STRAIGHT CLIP / THROUGH FRAME
INSTALLATION
HEAD - FIXED PANEL,
JAMB SIMILAR



D
21
VERTICAL SECTION
BENT CLIP / THROUGH FRAME
INSTALLATION
HEAD - OPERABLE PANEL



E
21
VERTICAL SECTION
BENT CLIP / THROUGH FRAME
INSTALLATION
HEAD - OPERABLE PANEL



F
21
VERTICAL SECTION
BENT CLIP / THROUGH FRAME
INSTALLATION
HEAD - FIXED PANEL,
JAMB SIMILAR



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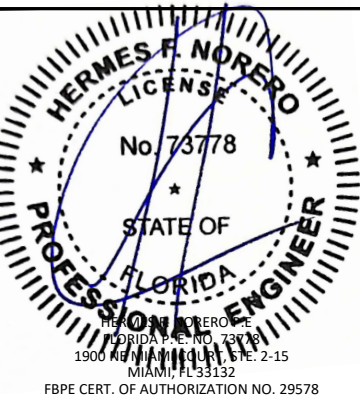
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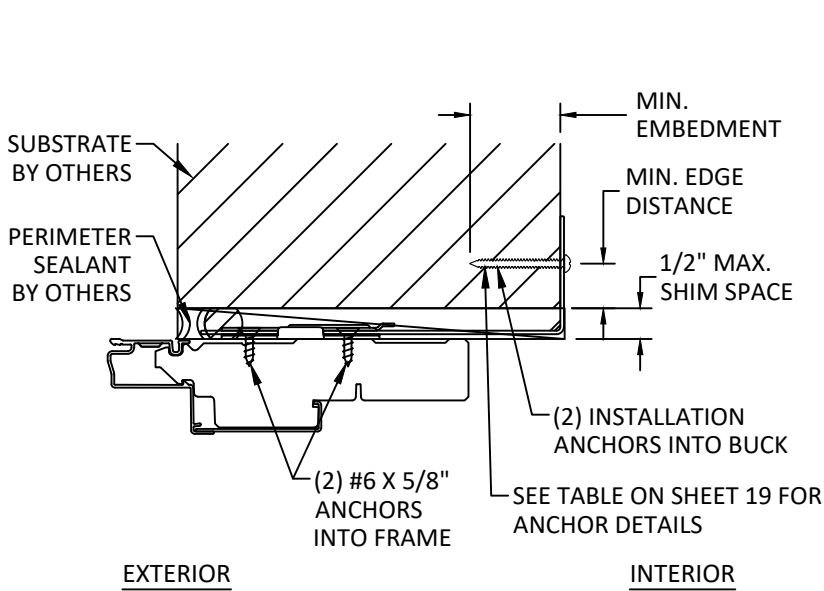
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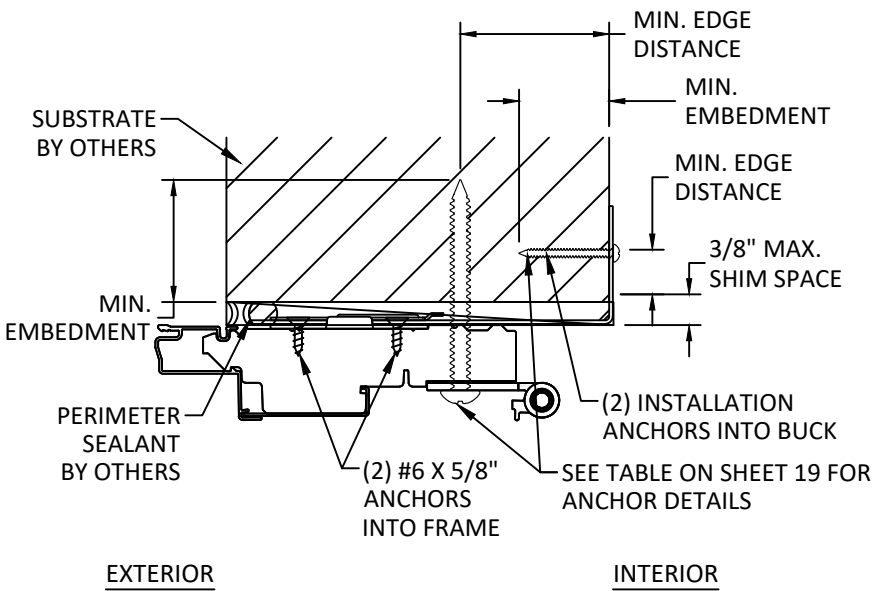


FL48408

DATE:	07/26/2026
DWG. BY: JR	CHK. BY: HFN
SCALE:	NTS
DWG. #:	PLA006
SHEET:	



A
22 VERTICAL SECTION
STEADY SET INSTALLATION
HEAD - OPERABLE PANEL,
HEAD AND JAMB SIMILAR
FOR FIXED PANEL



B
22 VERTICAL SECTION
STEADY SET INSTALLATION
JAMB - OPERABLE PANEL