

c:\users\dwaniwata\building_drops - common\projects\arcadia custom\fb-25-0662 - fbc submittal - steel products - profile redesign\dwgs\132366\acwd019.dwg 8/15/2025 3:53 PM

ARCADIA CUSTOM

TSX5000 & TSX5200 3.0 OUTSWING DOOR

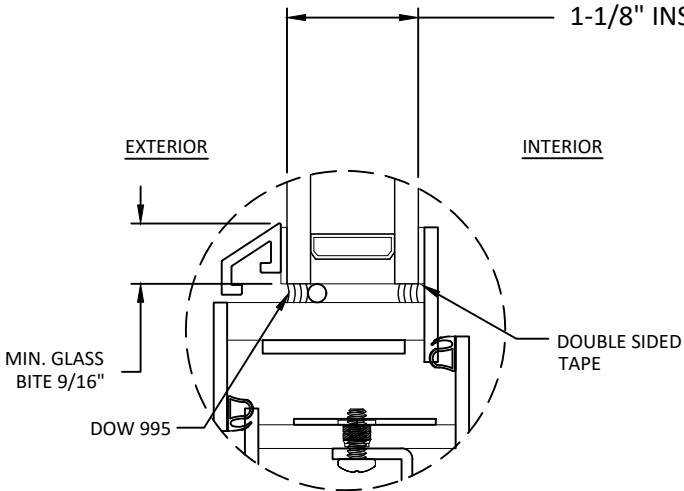
(NON-IMPACT)(NON-HVHZ)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-11
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. 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 IN NON-HVHZ AREAS.
5. APPROVED IMPACT PROTECTIVE SYSTEM IS **REQUIRED** ON THIS PRODUCT.
6. FRAME MATERIAL: STAINLESS STEEL
7. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAIL.

MAX OVERALL SIZE	DESIGN PRESSURE	MISSILE IMPACT RATING
SEE PRESSURE TABLE ON PAGE 2-3	SEE PRESSURE TABLE ON PAGE 2-3	NON-IMPACT

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES & GLAZING DETAIL
2	ELEVATION & ANCHOR LAYOUT
3	ELEVATION & ANCHOR LAYOUT
4	VERTICAL SECTIONS
5	HORIZONTAL SECTIONS
6	HORIZONTAL SECTIONS
7	INSTALLATION NOTES, ANCHOR DETAILS & SCHEDULE



- GLAZING NOTES:
1. GLASS TYPE SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC.
2. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36\"/>



ARCADIA CUSTOM
9280 E OLD VAIL RD,
TUCSON, AZ 85747
PH: (520) 284-2061 FX: (520) 349-1964

TITLE: TSX5000 & TSX5200
3.0 OUTSWING DOOR
(NON-IMPACT)(NON-HVHZ)
GENERAL NOTES & GLAZING DETAIL

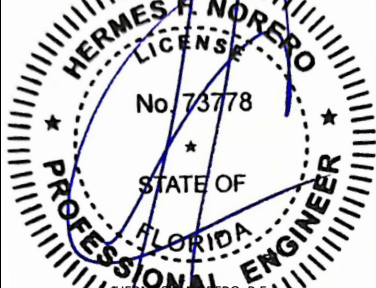
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT STE. 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HERE IN 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: 2025.08.13 15:12:28 -0400



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

FL#:

FL32366

DATE: 08/13/2025

DWG. BY: DI	CHK. BY: HFN
----------------	-----------------

SCALE: NTS

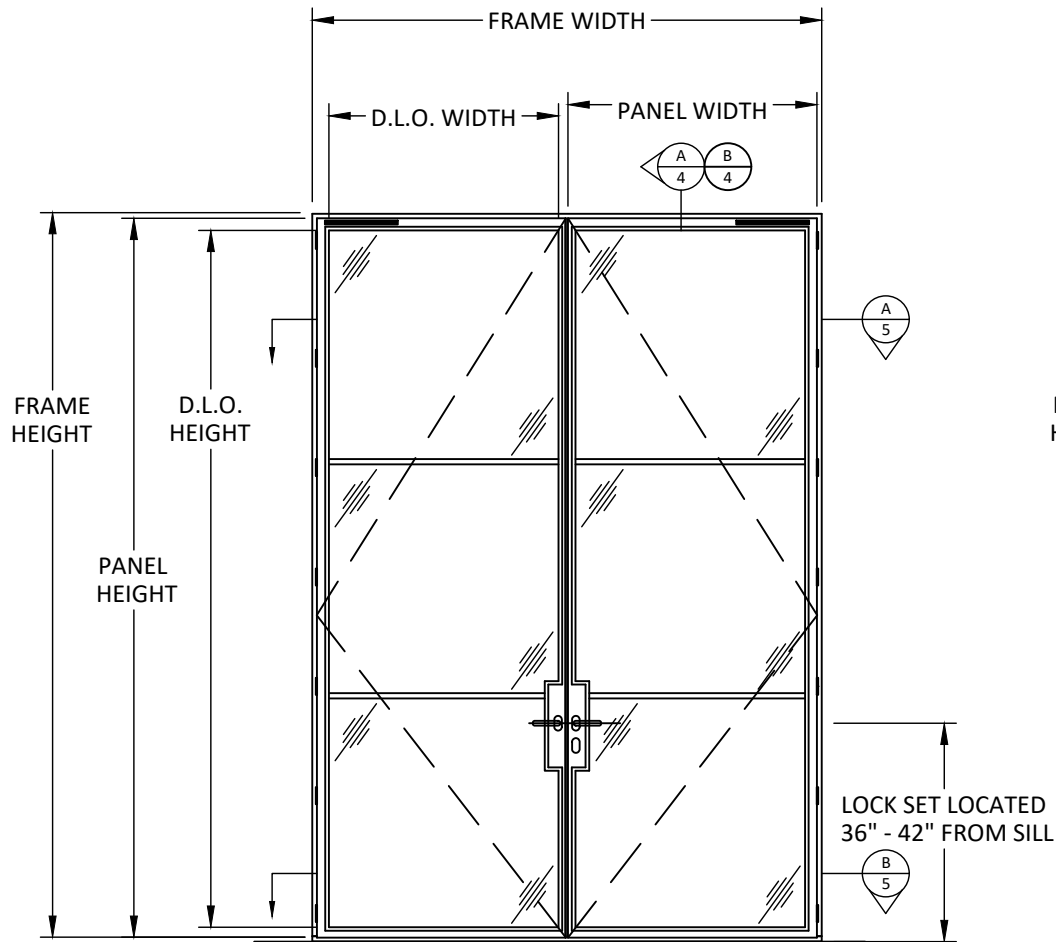
DWG. #: ACWD019

SHEET:

1

OF 7

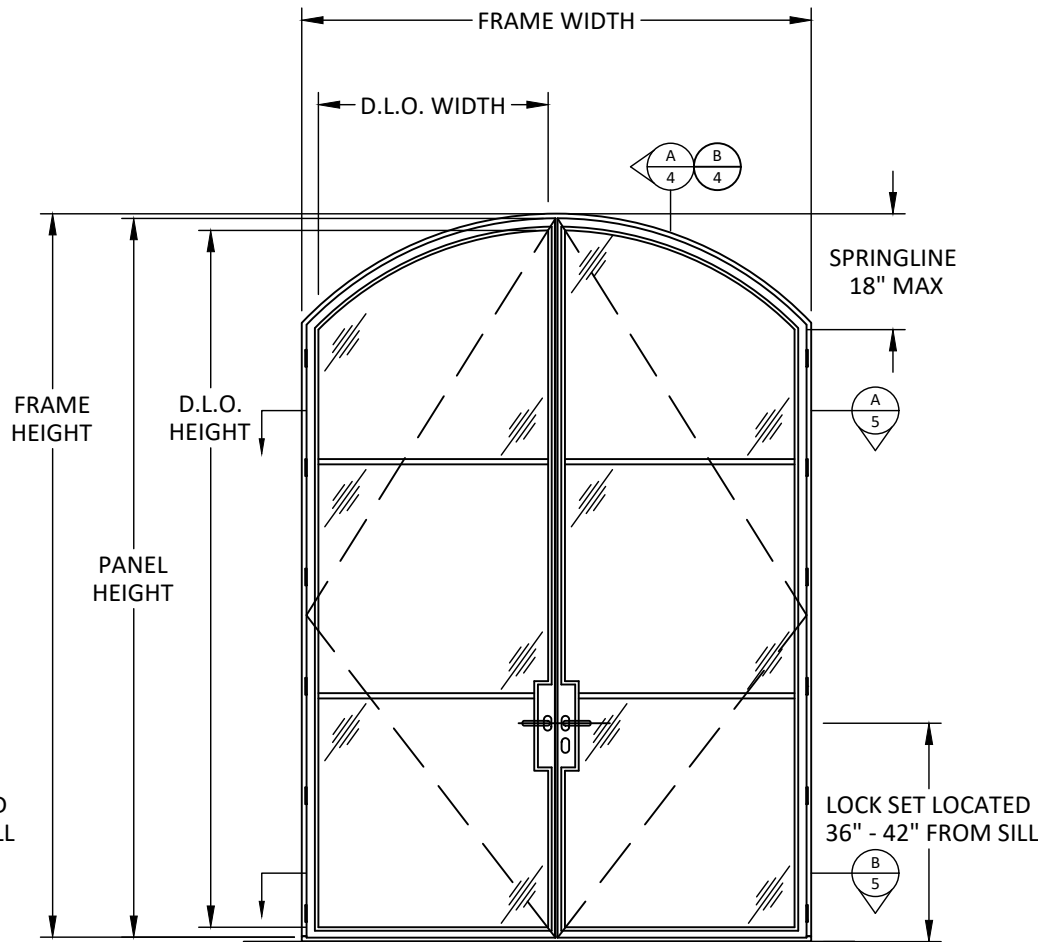
c:\user\dyaniwata\building drops, inc\building drops landing - common\projects\arcadia custom\fb-25-0662 - fb- submital - steel products - steel products - profile redesign\dwgs\fb232366\acwd019.dwg 8/15/2025 3:53 PM



ELEVATION

OUTSWING STEEL DOOR
EXTERIOR VIEW

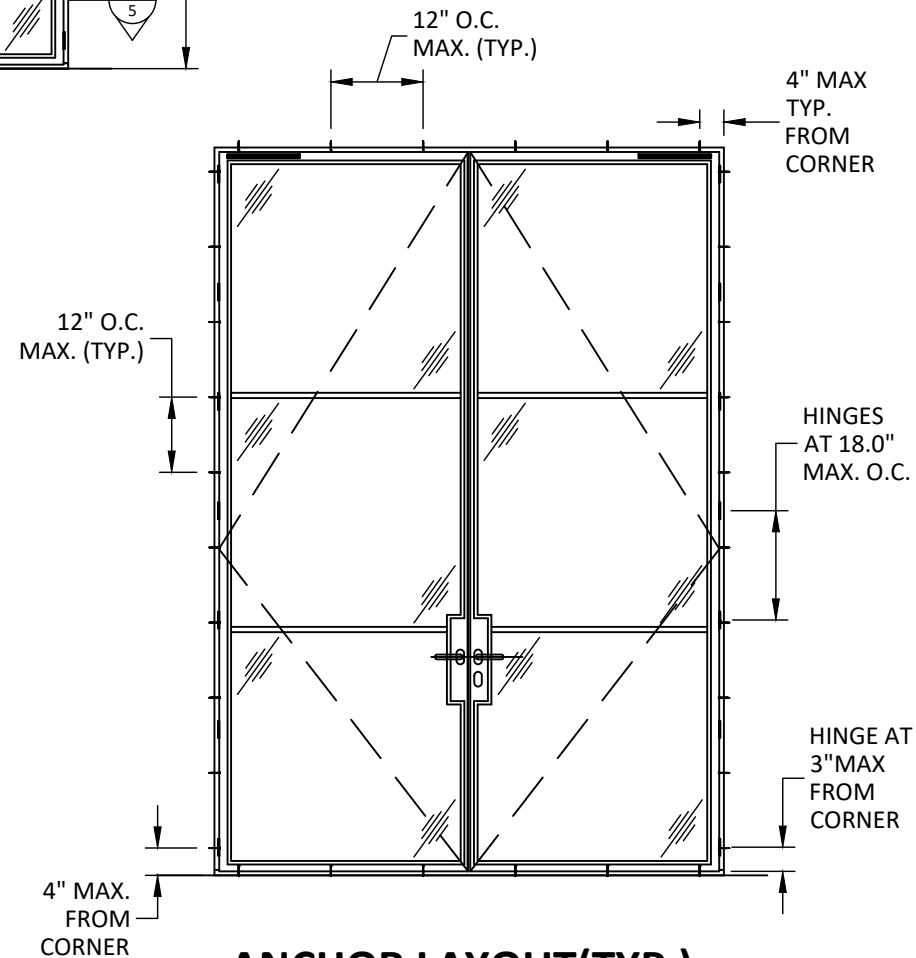
DESIGN PRESSURE TABLE (PSF) - SINGLE CONFIGURATION								
FRAME WIDTH (INCHES)								
FRAME HEIGHT (INCHES)		36	38	40	42	44	46	48
	80	52.5	49.7	47.3	45.0	43.0	41.1	39.4
	84	52.5	49.7	47.3	45.0	43.0	41.1	39.4
	88	52.5	49.7	47.3	45.0	43.0	41.1	39.4
	92	52.5	49.7	47.3	45.0	43.0	41.1	39.4
	96	52.5	49.7	47.3	45.0	43.0	41.1	39.4
	100	52.5	49.7	47.3	45.0	43.0	41.1	39.4
	104	52.3	49.7	47.3	45.0	43.0	41.1	39.4
	108	51.9	49.7	47.3	45.0	43.0	41.1	
	112	51.6	49.4	47.3	45.0	43.0		
	116	51.2	49.0	47.1	45.0			
	119.5	50.9	48.7	46.8	45.0			
	124	50.6	48.4	46.4				
	128	50.4	48.1					
	132	50.1	47.9					
	136	49.9						



ELEVATION

FLAT TOP ARCH
OUTSWING STEEL DOOR
EXTERIOR VIEW

NOTE:
D.L.O. HEIGHT = FRAME HEIGHT - 5.375"
D.L.O. WIDTH = FRAME WIDTH/2 - 4.39"



ANCHOR LAYOUT(TYP.)

CLIP/THROUGH FRAME



ARCADIA CUSTOM
9280 E OLD VAIL RD,
TUCSON, AZ 85747

PH: (520) 284-2061 FX: (520) 349-1964

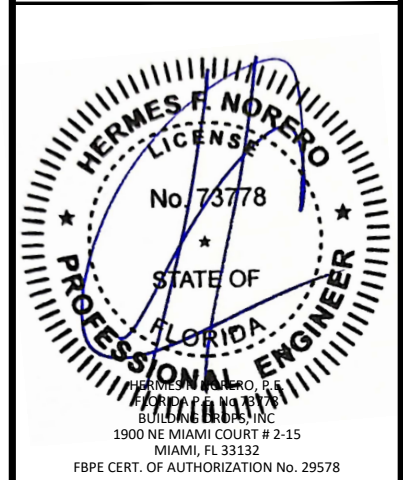
TITLE: TSX5000 & TSX5200
3.0 OUTSWING DOOR
(NON-IMPACT)(NON-HVHZ)
ELEVATION & ANCHOR LAYOUT

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



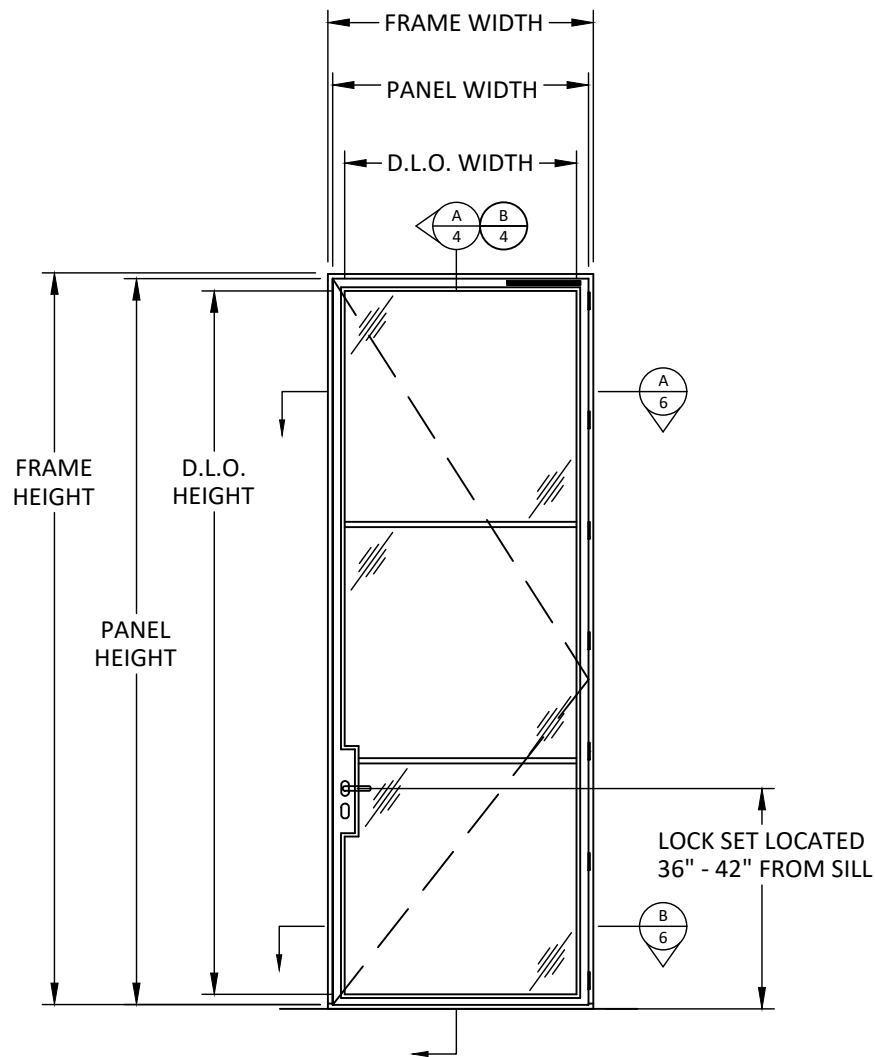
REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HERE IN 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.

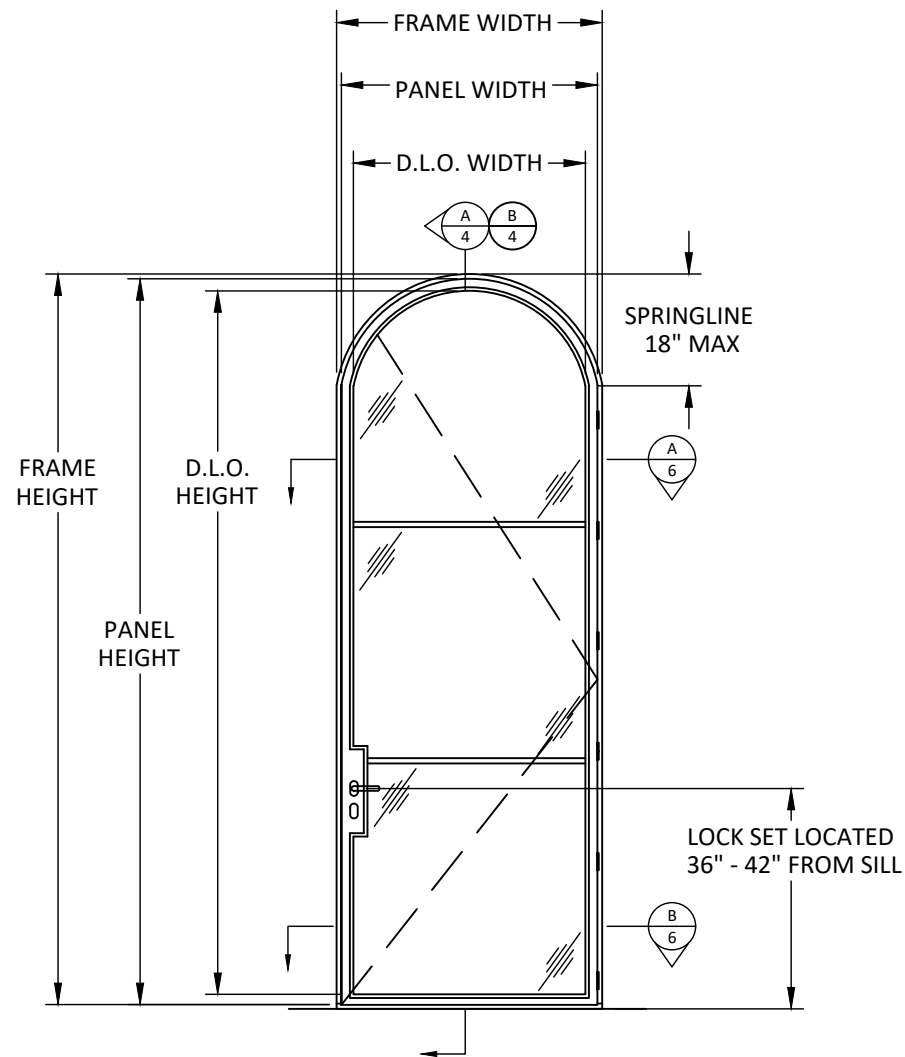


FL#:	FL32366
DATE:	08/13/2025
DWG. BY:	DI
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ACWD019
SHEET:	2

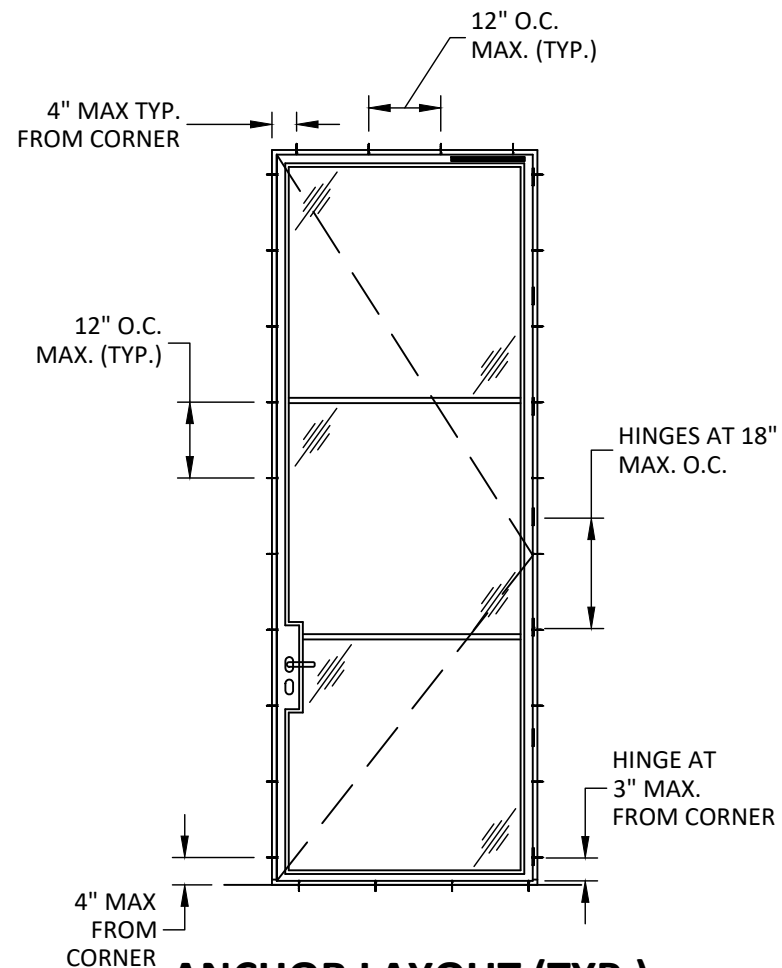
c:\users\dylanwata\building drops, inc\building drops landing - common\projects\arcadia custom\fb-25-0662 - fbc submittal - steel products - profile redesign\dwgs\132366\acwd019.dwg 8/15/2025 3:53 PM



ELEVATION
OUTSWING STEEL DOOR
EXTERIOR VIEW



ELEVATION
FLAT TOP ARCH
OUTSWING STEEL DOOR
EXTERIOR VIEW



ANCHOR LAYOUT (TYP.)
CLIP/THROUGH FRAME

NOTE:

D.L.O. HEIGHT = FRAME HEIGHT - 5.375"
D.L.O. WIDTH = FRAME WIDTH - 5.6875"

DESIGN PRESSURE TABLE (PSF) - DOUBLE CONFIGURATION								
FRAME WIDTH (INCHES)								
FRAME HEIGHT (INCHES)		72	76	80	84	88	92	96
	80	52.5	49.7	47.3	45.0	43.0	41.1	39.4
	84	52.5	49.7	47.3	45.0	43.0	41.1	39.4
	88	52.5	49.7	47.3	45.0	43.0	41.1	39.4
	92	52.5	49.7	47.3	45.0	43.0	41.1	39.4
	96	52.5	49.7	47.3	45.0	43.0	41.1	39.4
	100	52.5	49.7	47.3	45.0	43.0	41.1	39.4
	104	52.3	49.7	47.3	45.0	43.0	41.1	39.4
	108	51.9	49.7	47.3	45.0	43.0	41.1	
	112	51.6	49.4	47.3	45.0	43.0		
	116	51.2	49.0	47.1	45.0			
	119.5	50.9	48.7	46.8	45.0			
	124	47.0	44.5	42.3				
	128	42.7	40.5					
	132	39.0	36.9					
	136	35.6						



ARCADIA CUSTOM
9280 E OLD VAIL RD,
TUCSON, AZ 85747

PH: (520) 284-2061 FX: (520) 349-1964

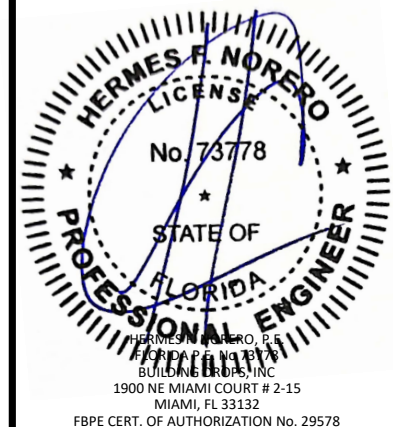
TITLE: TSX5000 & TSX5200
3.0 OUTSWING DOOR
(NON-IMPACT)(NON-HVHZ)
ELEVATION & ANCHOR LAYOUT

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 HERE IN 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#: **FL32366**

DATE: **08/13/2025**

DWG. BY: DI	CHK. BY: HFN
-----------------------	------------------------

SCALE: **NTS**

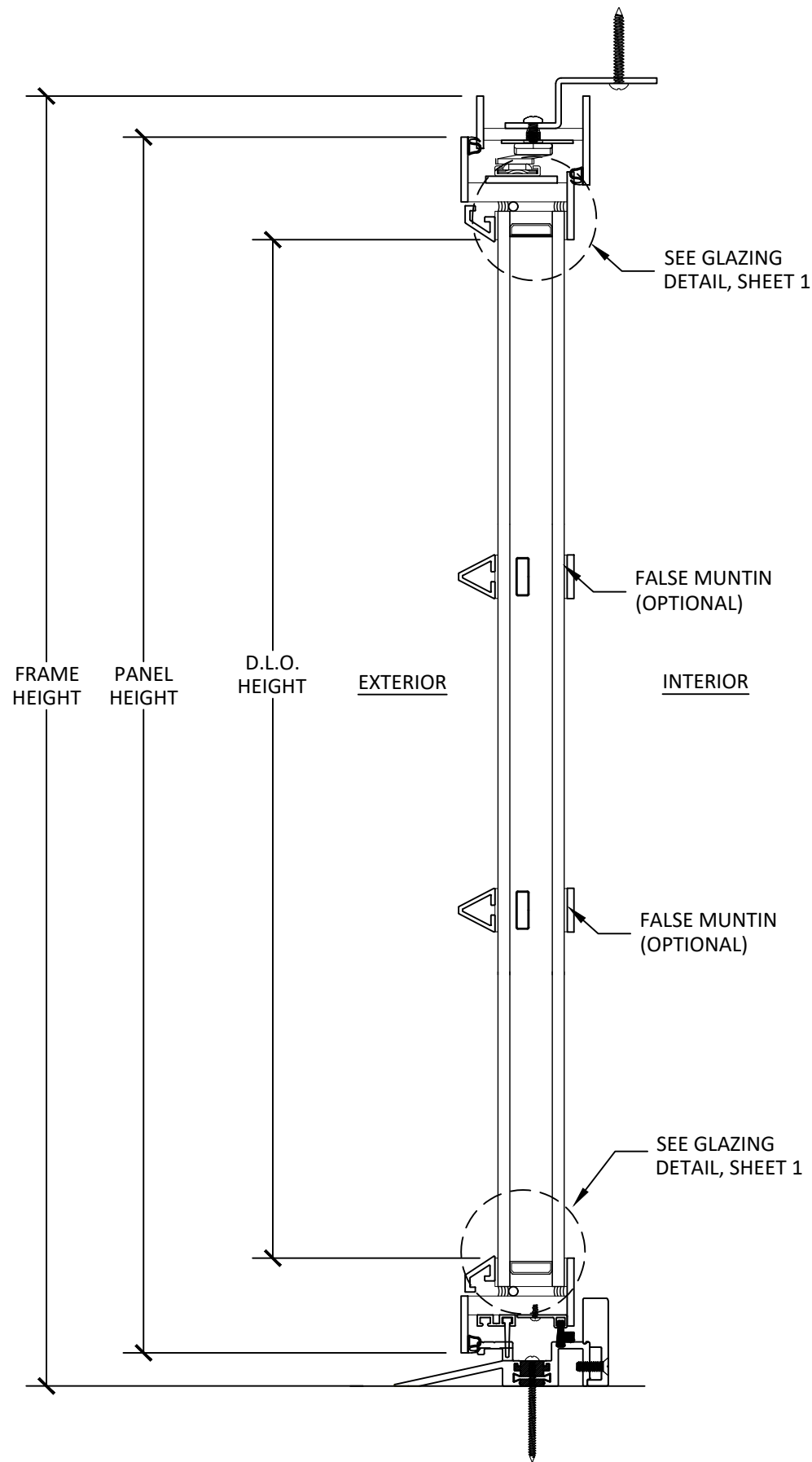
DWG. #: **ACWD019**

SHEET:

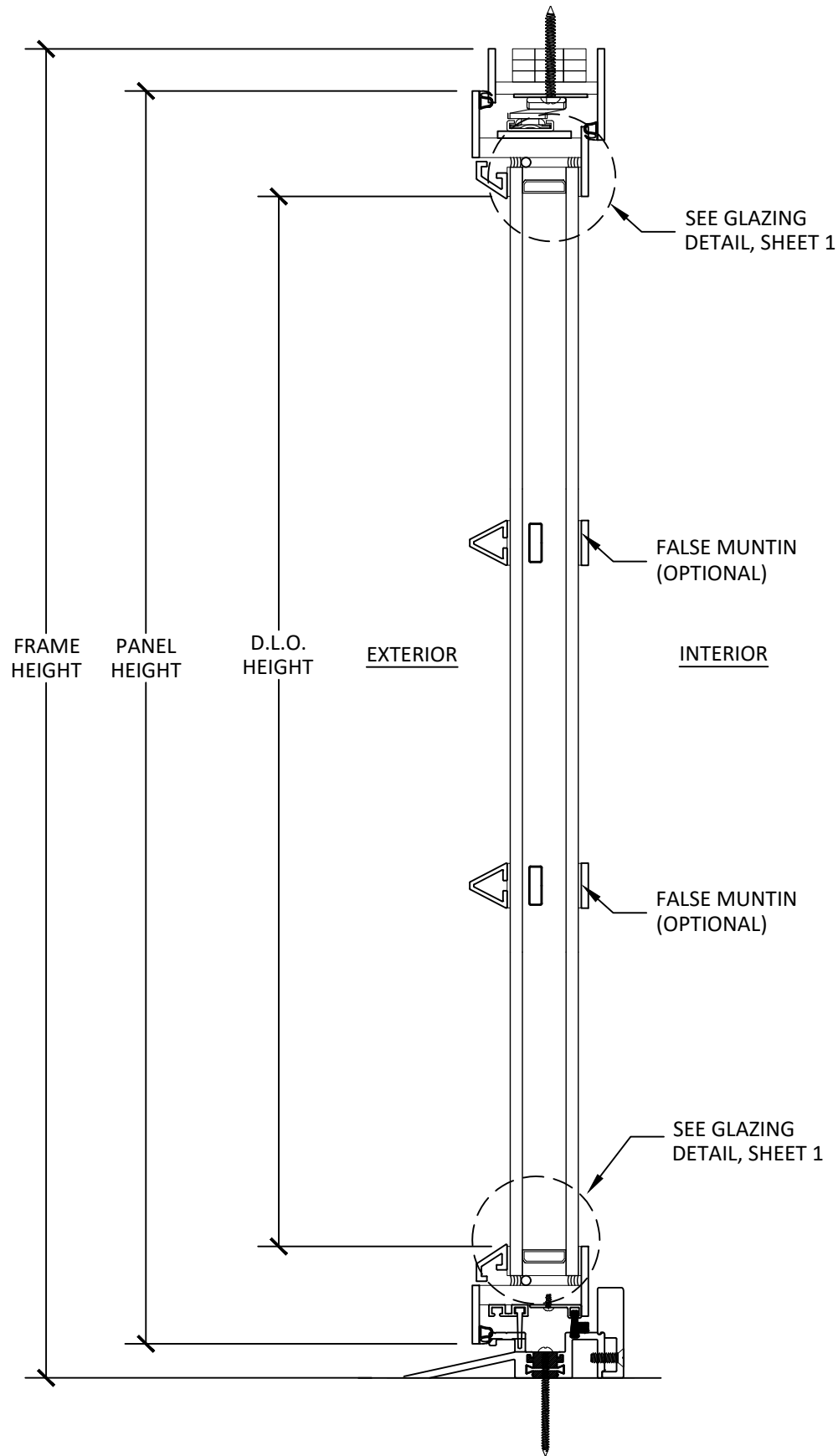
3

OF 7

c:\users\dylanwata\building drops - common\projects\arcadia custom\fb-25-0662 - fb- submital - steel products - profile redesign\dwgs\1932366\acwd019.dwg 8/15/2025 3:53 PM



A
4 **VERTICAL SECTION**
OUTSWING DOOR - STEEL CLIP AT HEAD



B
4 **VERTICAL SECTION**
OUTSWING DOOR - THROUGH FRAME AT HEAD



ARCADIA CUSTOM
9280 E OLD VAIL RD,
TUCSON, AZ 85747

PH: (520) 284-2061 FX: (520) 349-1964

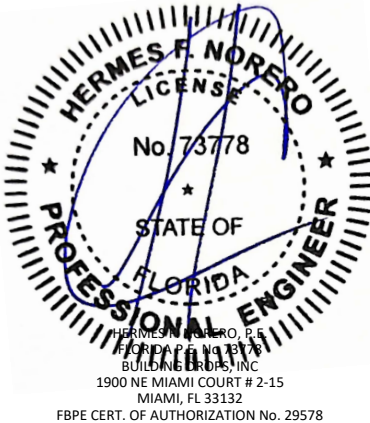
TITLE: TSX5000 & TSX5200
3.0 OUTSWING DOOR
(NON-IMPACT)(NON-HVHZ)
VERTICAL SECTIONS

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 HERE IN 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#: **FL32366**

DATE: **08/13/2025**

DWG. BY: **DI** CHK. BY: **HFN**

SCALE: **NTS**

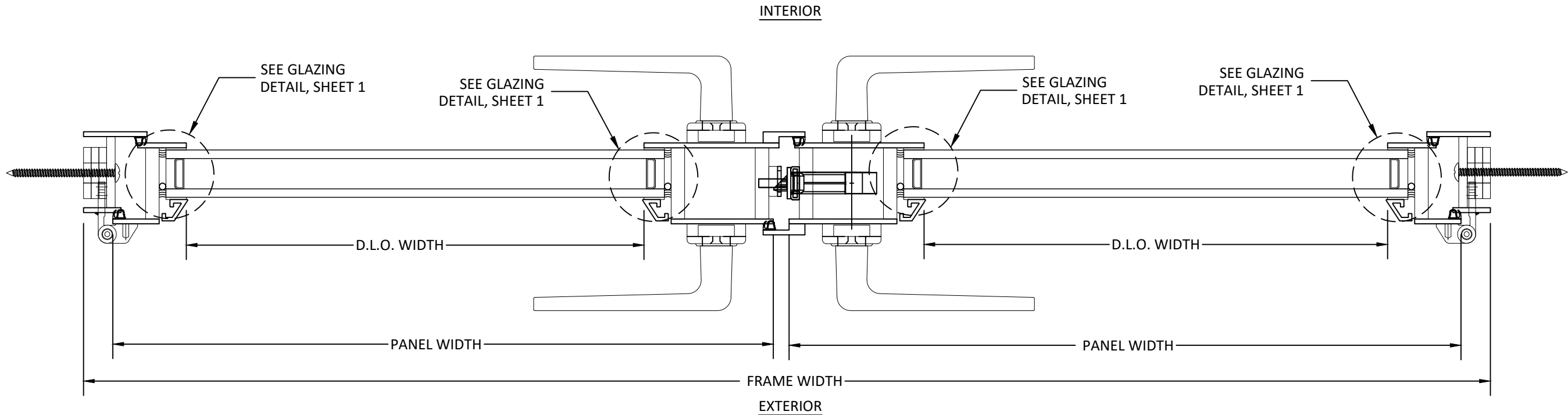
DWG. #: **ACWD019**

SHEET:

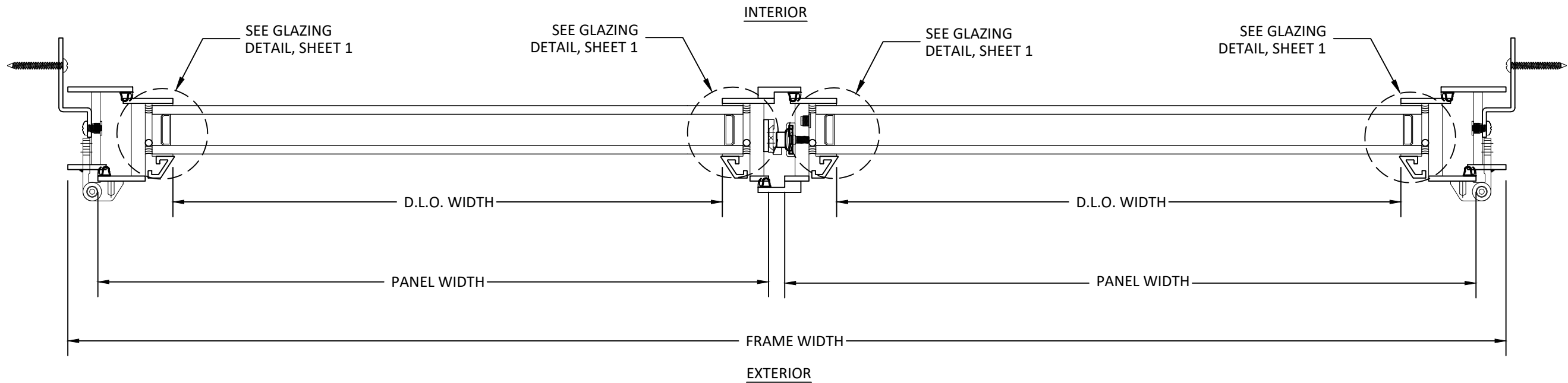
4

OF 7

c:\users\dyaniwata\building drops - common\projects\arcadia custom\fb-25-0662 - fb- submital - steel products - steel products - profile redesign\dwgs\032366\acwd019.dwg 8/15/2025 3:53 PM



A
5 **HORIZONTAL SECTION**
OUTSWING STEEL DOOR- THROUGH FRAME



B
5 **HORIZONTAL SECTION**
OUTSWING STEEL DOOR - CLIP INSTALLATION



ARCADIA CUSTOM
9280 E OLD VAIL RD,
TUCSON, AZ 85747

PH: (520) 284-2061 FX: (520) 349-1964

TITLE: TSX5000 & TSX5200
3.0 OUTSWING DOOR
(NON-IMPACT)(NON-HVHZ)
HORIZONTAL SECTIONS

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 HERE IN 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#: **FL32366**

DATE: **08/13/2025**

DWG. BY: **DI** CHK. BY: **HFN**

SCALE: **NTS**

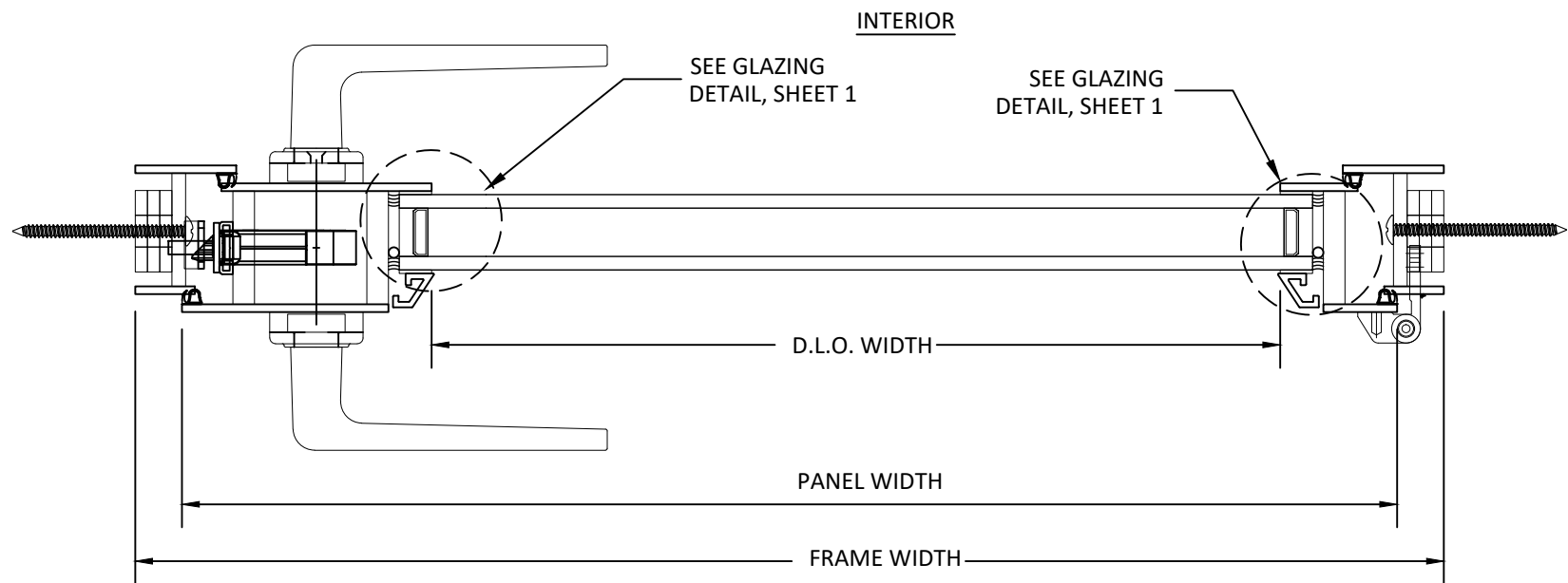
DWG. #: **ACWD019**

SHEET:

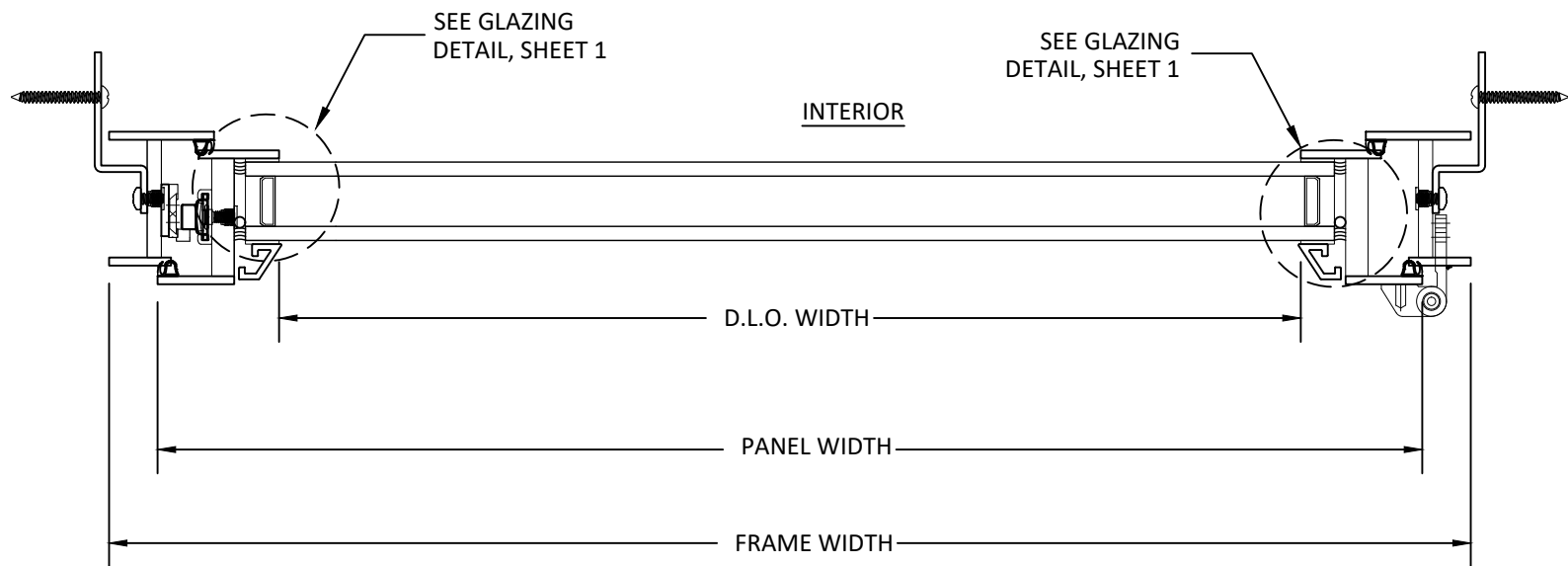
5

OF 7

c:\users\dylanwata\building drops, inc\building drops landing - common\projects\arcadia custom\fb-25-0662 - fb- submital - steel products - profile redesign\dwgs\032366\acwd019.dwg 8/15/2025 3:53 PM



A
6 **HORIZONTAL SECTION**
OUTSWING STEEL DOOR- THROUGH FRAME



B
6 **HORIZONTAL SECTION**
OUTSWING STEEL DOOR - CLIP INSTALLATION



ARCADIA CUSTOM
9280 E OLD VAIL RD,
TUCSON, AZ 85747

PH: (520) 284-2061 FX: (520) 349-1964

TITLE: TSX5000 & TSX5200
3.0 OUTSWING DOOR
(NON-IMPACT)(NON-HVHZ)
HORIZONTAL SECTIONS

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 HERE IN 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#: **FL32366**

DATE: **08/13/2025**

DWG. BY: **DI** CHK. BY: **HFN**

SCALE: **NTS**

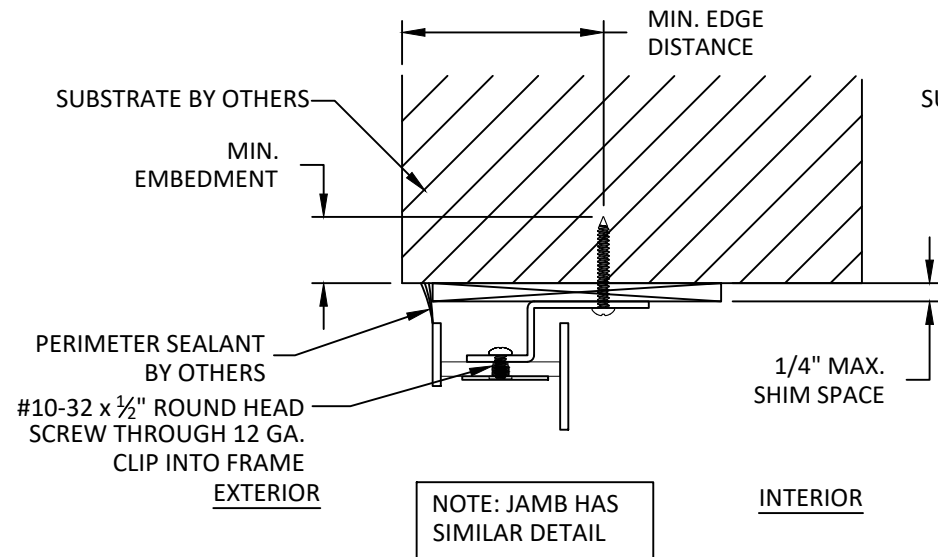
DWG. #: **ACWD019**

SHEET:

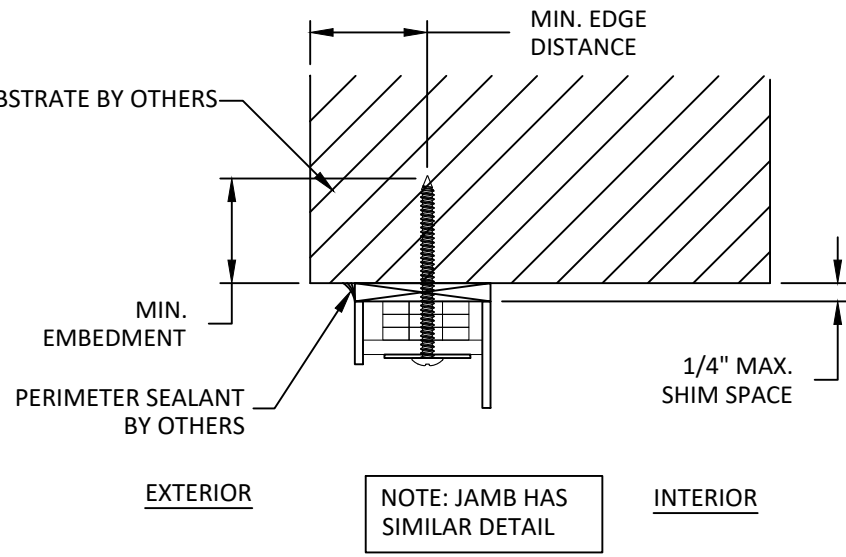
6

OF 7

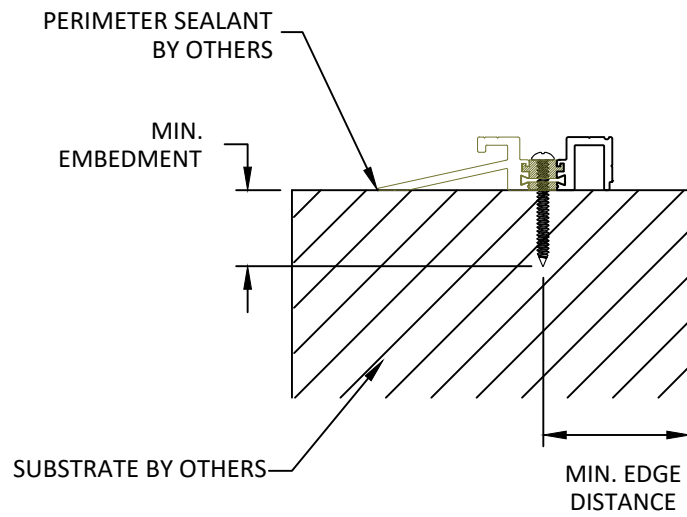
c:\user\dylanwata\building drops, inc\building drops landing - common\projects\arcadia custom\fb-25-0662 - fb- submital - steel products - profile redesign\dwgs\fb2366\acwd019.dwg 8/15/2025 3:53 PM



A
7 **ANCHOR DETAIL**
CLIP (AT HEAD AND JAMB)



B
7 **ANCHOR DETAIL**
THROUGH FRAME (AT HEAD AND JAMB)



C
7 **ANCHOR DETAIL**
THROUGH FRAME (SILL)

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN ON SHEET 2 AND 3 UNLESS OTHERWISE SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.

ANCHOR SCHEDULE					
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE	QUANTITY PER LOCATION
THROUGH FRAME	WOOD: MIN. SG = 0.42	#10 WOOD SCREW	1.5"	0.75"	1
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI	#8 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"	1
	METAL: ALUMINUM MIN. 6063-T5 1/8" WALL THICKNESS	#12 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"	1
	CONCRETE: MIN. f'c = 3000 PSI	1/4" ITW TAPCON FLATHEAD	1.25"	2.0"	1
	MASONRY: CMU MIN. 2000 PSI	1/4" ITW TAPCON FLATHEAD	1.00"	2.0"	1
CLIP	WOOD: MIN. SG = 0.42	#10 WOOD SCREW	1.5"	0.75"	1
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI	#12 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"	1
	METAL: ALUMINUM MIN. 6063-T5 1/8" WALL THICKNESS	#12 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"	1
	CONCRETE: MIN. f'c = 3000 PSI	1/4" ITW TAPCON FLATHEAD	1.25"	2.0"	1
	MASONRY: CMU MIN. 2000 PSI	1/4" ITW TAPCON FLATHEAD	1.00"	2.0"	1



ARCADIA CUSTOM
9280 E OLD VAIL RD,
TUCSON, AZ 85747

PH: (520) 284-2061 FX: (520) 349-1964

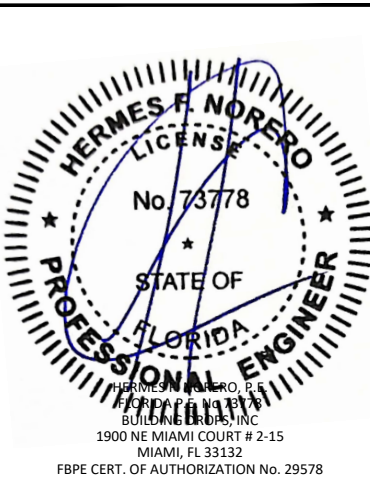
TITLE: TSX5000 & TSX5200
3.0 OUTSWING DOOR
(NON-IMPACT)(NON-HVHZ)
INSTALLATION NOTES, ANCHOR DETAILS
AND SCHEDULE

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 HERE IN 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#: **FL32366**

DATE: **08/13/2025**

DWG. BY: **DI** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **ACWD019**

SHEET: