

c:\users\msun\building drops, inc\building drops landing - common\projects\millwork artisans\lbc-25-0712 - fbc submittal - steel bi-fold and lift & slide systems\dwgs\mwa008.dwg 8/25/2025 11:20 AM

MILLWORK ARTISANS, LLC

METAL LIFT & SLIDE DOOR

(HVHZ) (IMPACT)

GENERAL NOTES:

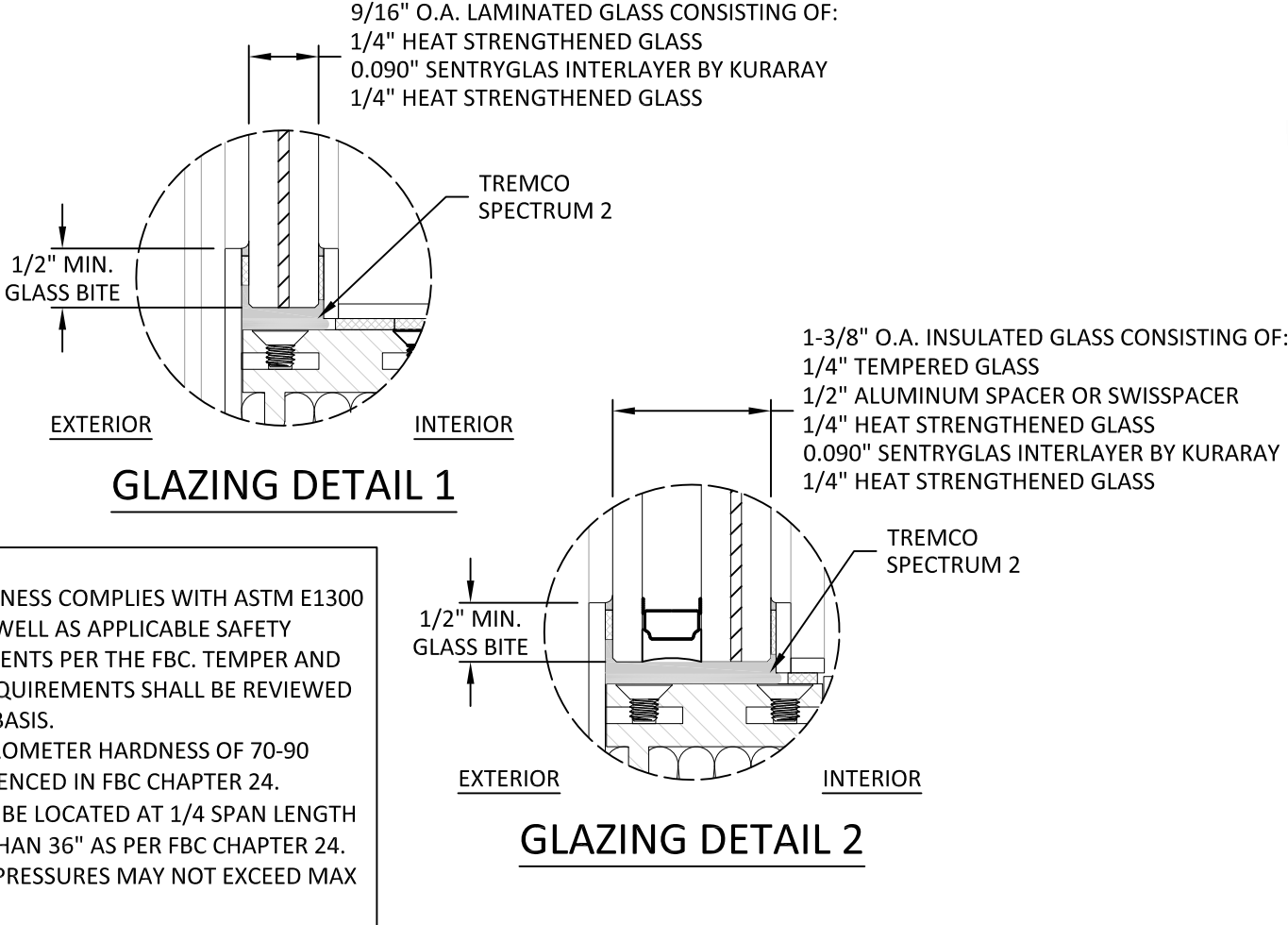
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC) **INCLUDING** HVHZ. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE FOLLOWING:
- ASTM E283-19
 - ASTM E331-00(16)
 - ASTM F842-14
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X 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. 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.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. MATERIAL: ALUMINUM, BRONZE, OR STEEL.
7. ALL STRUCTURAL MATERIALS & DISSIMILAR METALS SHALL BE PROTECTED, TREATED, PAINTED, COATED, AND/OR ISOLATED AS REQUIRED IN THE APPLICABLE SECTIONS OF THE CURRENT FLORIDA BUILDING CODE AND REFERENCED DESIGN SPECIFICATIONS.
8. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.
9. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:

"X": OPERABLE PANEL

"O": FIXED PANEL

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES AND GLAZING DETAILS
2	TYPICAL ELEVATION
3	ANCHOR LAYOUT
4	VERTICAL SECTIONS
5	VERTICAL SECTIONS
6	HORIZONTAL SECTIONS
7	INSTALLATION DETAILS AND NOTES
8	INSTALLATION NOTES AND ANCHOR SCHEDULE
9	BILL OF MATERIALS
10	COMPONENTS
11	COMPONENTS

DESIGN PRESSURE RATING					
PROFILE	MAX. FRAME HEIGHT	MAX. PANEL SIZE	MAX. D.L.O. SIZE	DESIGN PRESSURE	MISSILE RATING
SIEGENIA	122-13/16"	66-15/16" X 118-7/16"	59-7/8" X 108-5/8"	+55/-60 PSF	LARGE AND SMALL MISSILE IMPACT
FFI	123-3/8"	66-15/16" X 118-13/16"	59-7/8" X 109"		



- GLAZING NOTES:
1. GLASS TYPE & THICKNESS COMPLIES WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
4. D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN SHEET 1.



MILLWORK ARTISANS, LLC
4600 GOER DR STE 201
NORTH CHARLESTON, SC 29406
PH: (843) 577-3348

TITLE:

METAL LIFT & SLIDE DOOR (HVHZ) (IMPACT)

GENERAL NOTES & 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

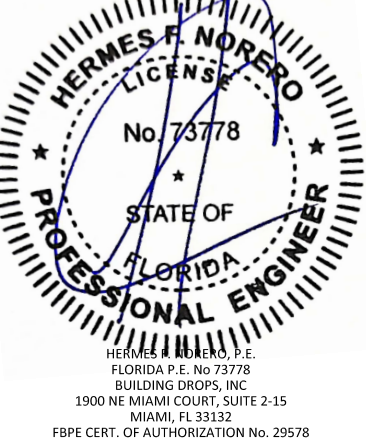


BUILDING DROPS

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: 2025.08.25 13:39:15 -04'00'



FL #:

FL47466

DATE:

08.18.2025

DWG. BY:

MS

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

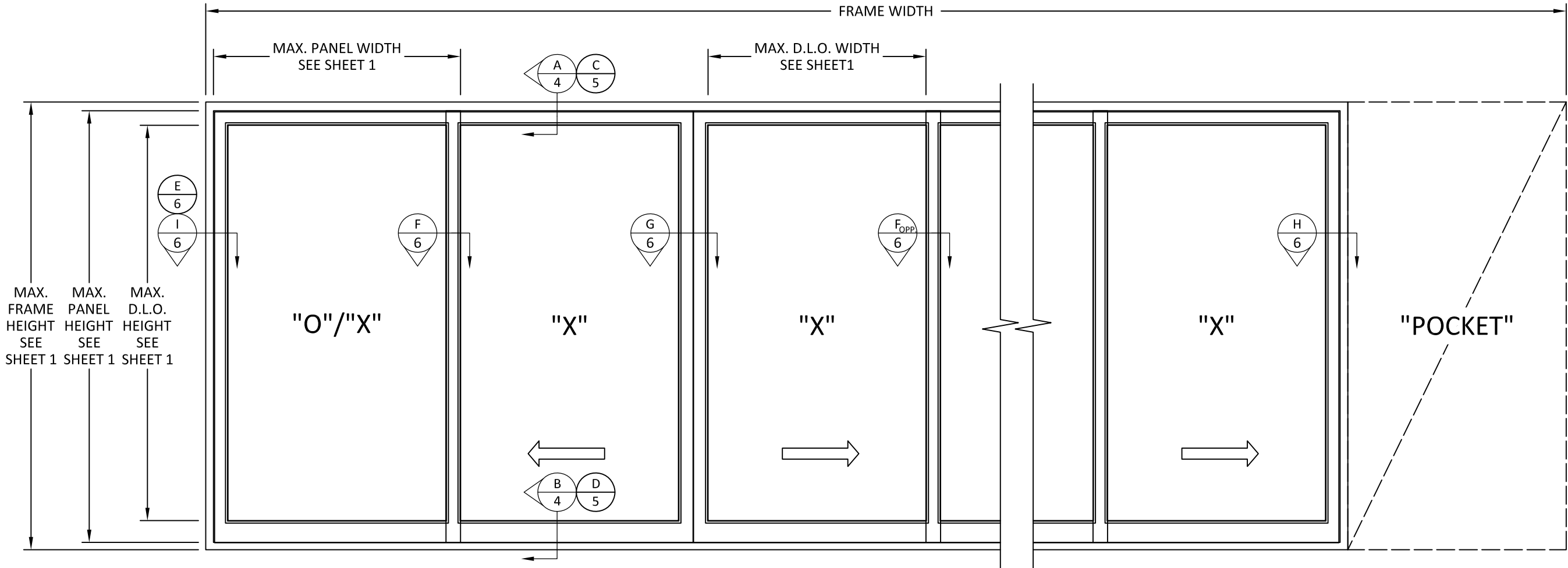
MWA008

SHEET:

1

OF 11

c:\users\msun\building drops .inc\building drops landing - common\projects\millwork artisans\fbc-25-0712 - fbc submittal - steel bi-fold and lift & slide systems\dwgs\mwa008.dwg 8/25/2025 11:21 AM



TYPICAL ELEVATION

APPROVED CONFIGURATIONS

WITHOUT POCKETS:

- 2 TRACK - OX, XX, XOx, OXO, OXXO, XOOX, XXXX
- 3 TRACK - OXX, XXX, XOx, XOXXOX, XXOX, XXOOXX, XXXXXX, OXXXO
- 4 TRACK - OXXX, XXXX, XXOXXX, OXXXXXXO, XXOOXXX, XXXXXXXX
- 5 TRACK - OXXXX, XXXXX, XXXXOXXXX, OXXXXXXXO, XXXXOOXXX, XXXXXXXXXX
- 6 TRACK - OXXXXX, XXXXXX, XXXXOXXXXX, XXXXOOXXXXX, OXXXXXXXO, XXXXXXXXXX

WITH POCKETS:

- 1 TRACK - PX, PXXP
- 2 TRACK - PXX, PXXXXP
- 3 TRACK - PXXX, PXXXXXP
- 4 TRACK - PXXXX, PXXXXXXXP
- 5 TRACK - PXXXXX, PXXXXXXXXXP
- 6 TRACK - PXXXXXX, PXXXXXXXXXXP

GENERAL NOTES:

- 1. SIEGENIA LIFT & SLIDE UNIT CAN BE MADE UP TO 3 TRACKS DEEP.
- 2. IN HVHZ, THE FRAME AREA IS LIMITED TO 500.5 FT².
- 3. POCKET ONLY APPLIED TO FFI PROFILE.



MILLWORK ARTISANS, LLC
4600 GOER DR STE 201
NORTH CHARLESTON, SC 29406
PH: (843) 577-3348

TITLE: METAL LIFT & SLIDE DOOR (HVHZ) (IMPACT) TYPICAL ELEVATION

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

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

FL #: FL47466

DATE: 08.18.2025

DWG. BY: MS

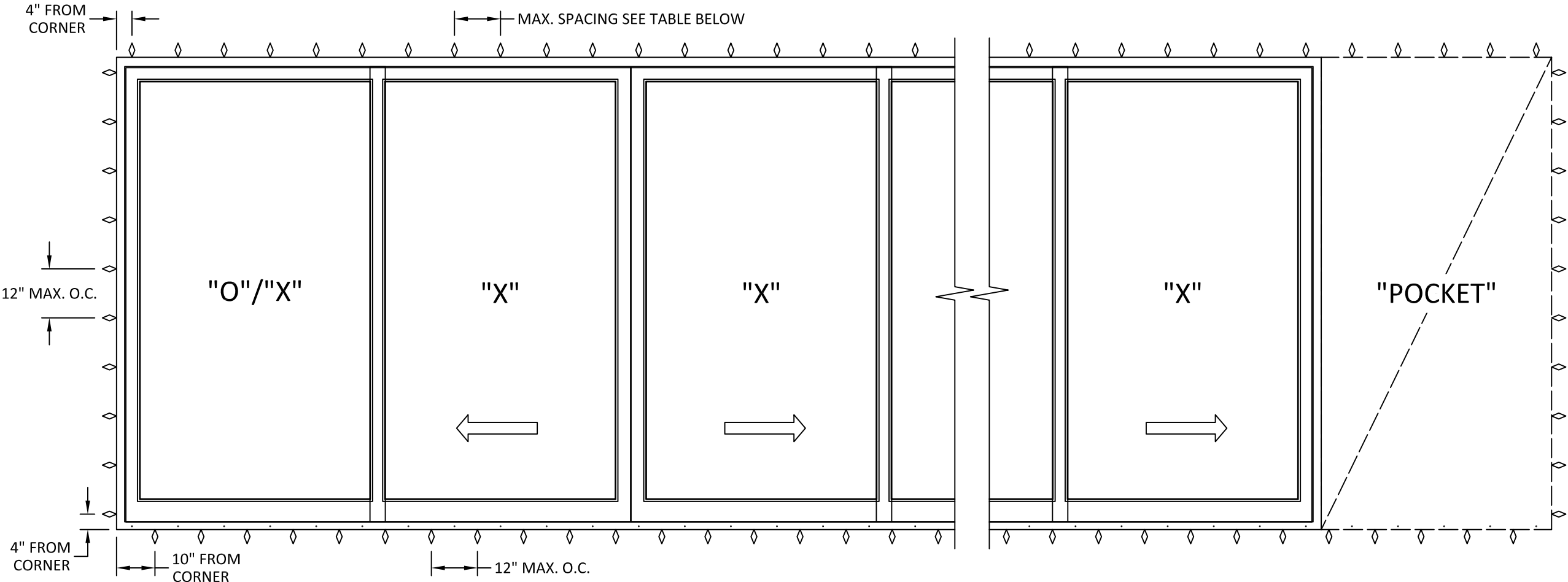
CHK. BY: HFN

SCALE: NTS

DWG. #: MWA008

SHEET:

c:\users\msun\building drops - common\projects\millwork artisans\fbc-25-0712 - fbc submittal - steel bi-fold and lift & slide systems\dwgs\mwa008.dwg 8/25/2025 11:21 AM



ANCHOR LAYOUT

INSTALLATION METHOD	SUBSTRATE	HEAD ANCHOR SPACING
THROUGH FRAME	WOOD	7-9/16"
	STEEL/ALUMINUM	9-5/8"
	CONCRETE/MASONRY	12"
THROUGH ANGLE	WOOD	12"
	STEEL/ALUMINUM	9-3/8"
THROUGH CLIP	WOOD	6-21/32"
	STEEL/ALUMINUM	12"
	CONCRETE/MASONRY	12"

NOTES: SEE SHEETS 7 & 8 FOR DETAILS OF EACH INSTALLATION METHOD, SUBSTRATE, AND ANCHOR SPECIFICATIONS.



MILLWORK ARTISANS, LLC
4600 GOER DR STE 201
NORTH CHARLESTON, SC 29406
PH: (843) 577-3348

TITLE:
METAL LIFT & SLIDE DOOR
(HVHZ) (IMPACT)
ANCHOR LAYOUT

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

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, 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 #:
FL47466

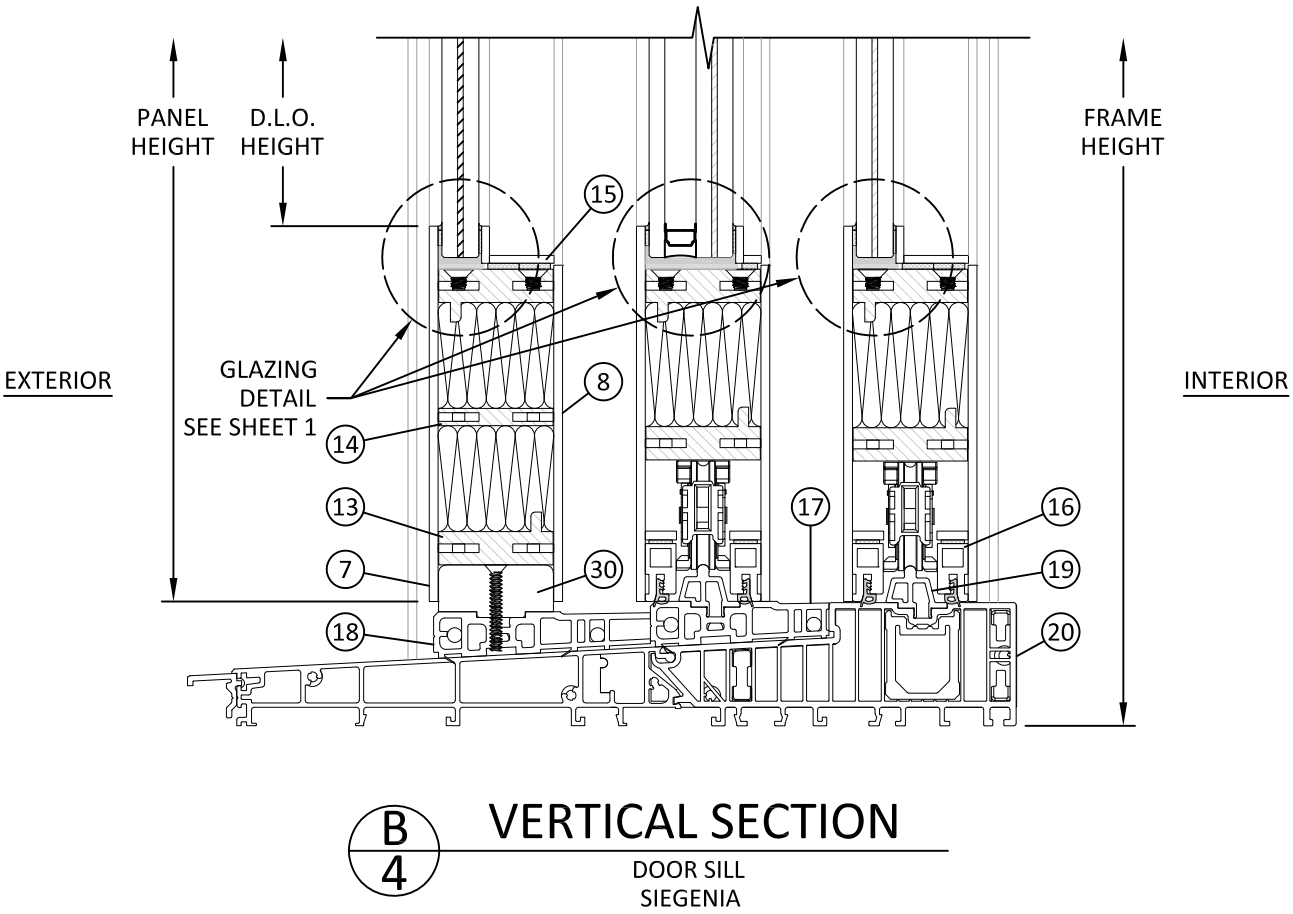
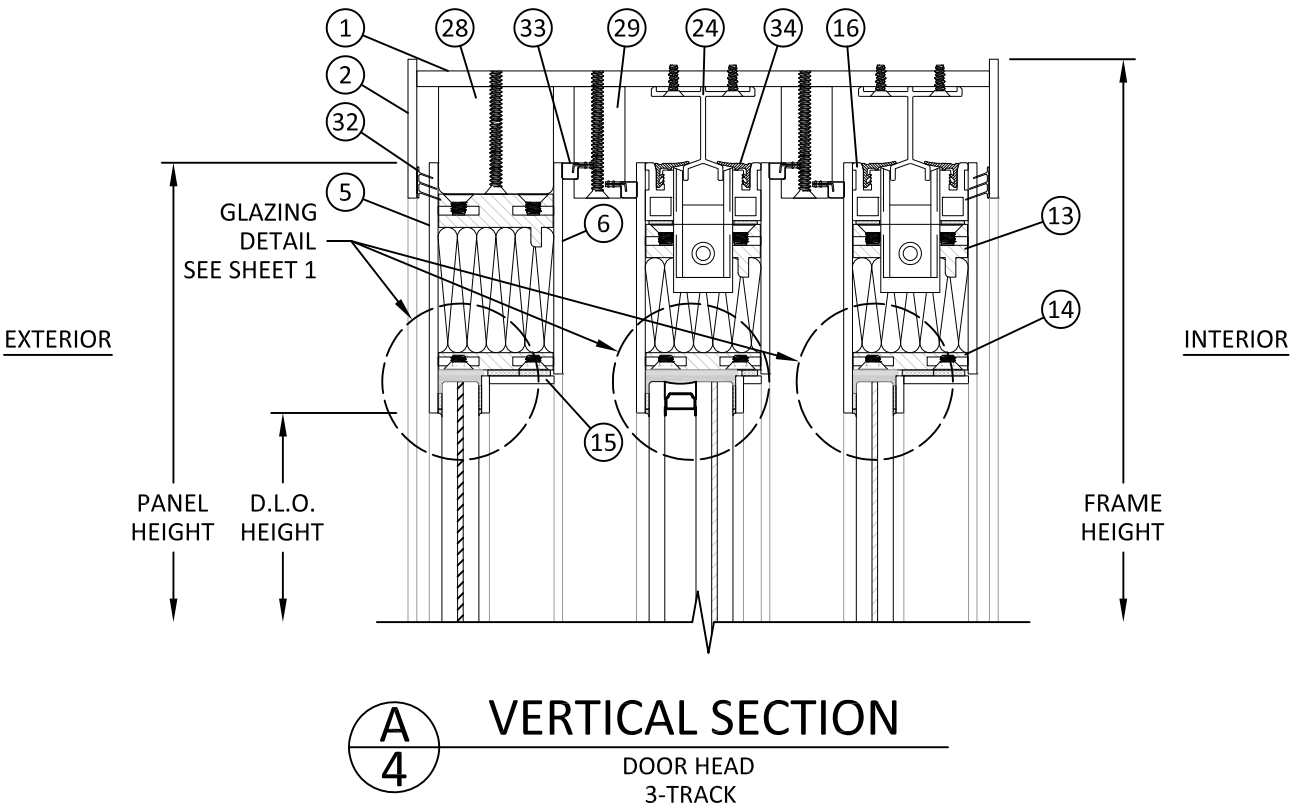
DATE:
08.18.2025

DWG. BY:
MS

CHK. BY:
HFN

SCALE:
NTS

DWG. #:
MWA008



MILLWORK ARTISANS, LLC
4600 GOER DR STE 201
NORTH CHARLESTON, SC 29406
PH: (843) 577-3348

TITLE:
METAL LIFT & SLIDE DOOR
(HVHZ) (IMPACT)
VERTICAL SECTIONS

PREPARED BY:

BUILDING DROPS

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.

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 #:
FL47466

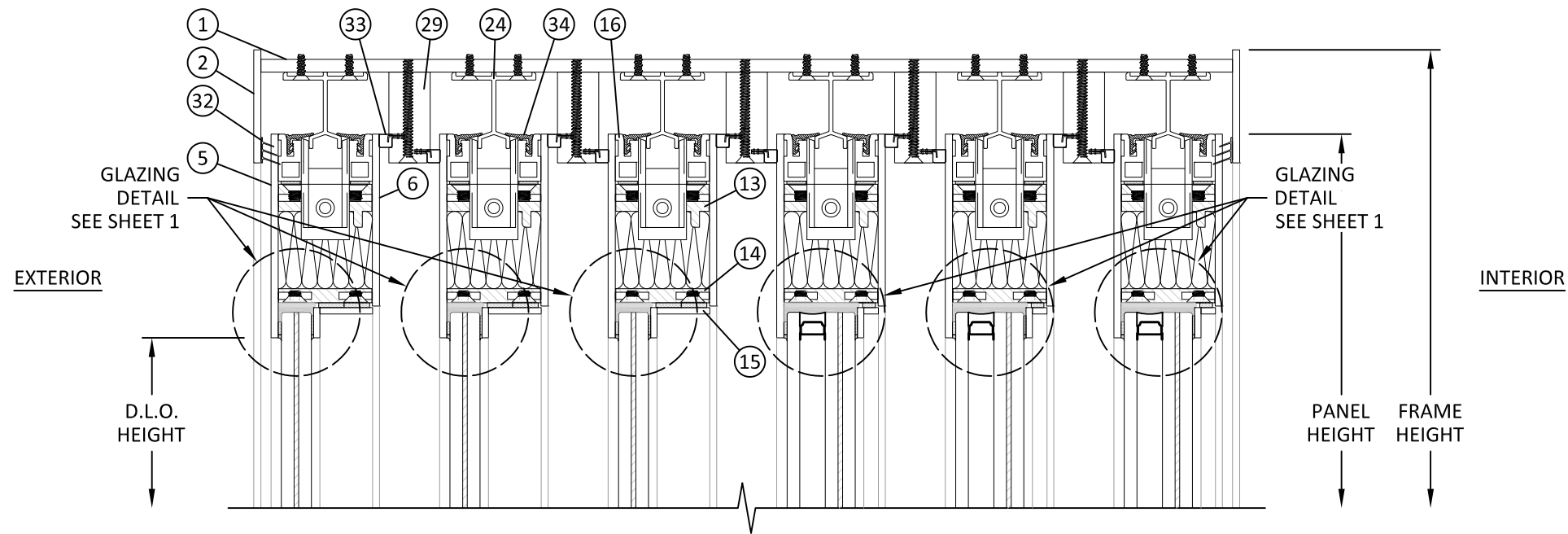
DATE:
08.18.2025

DWG. BY:
MS

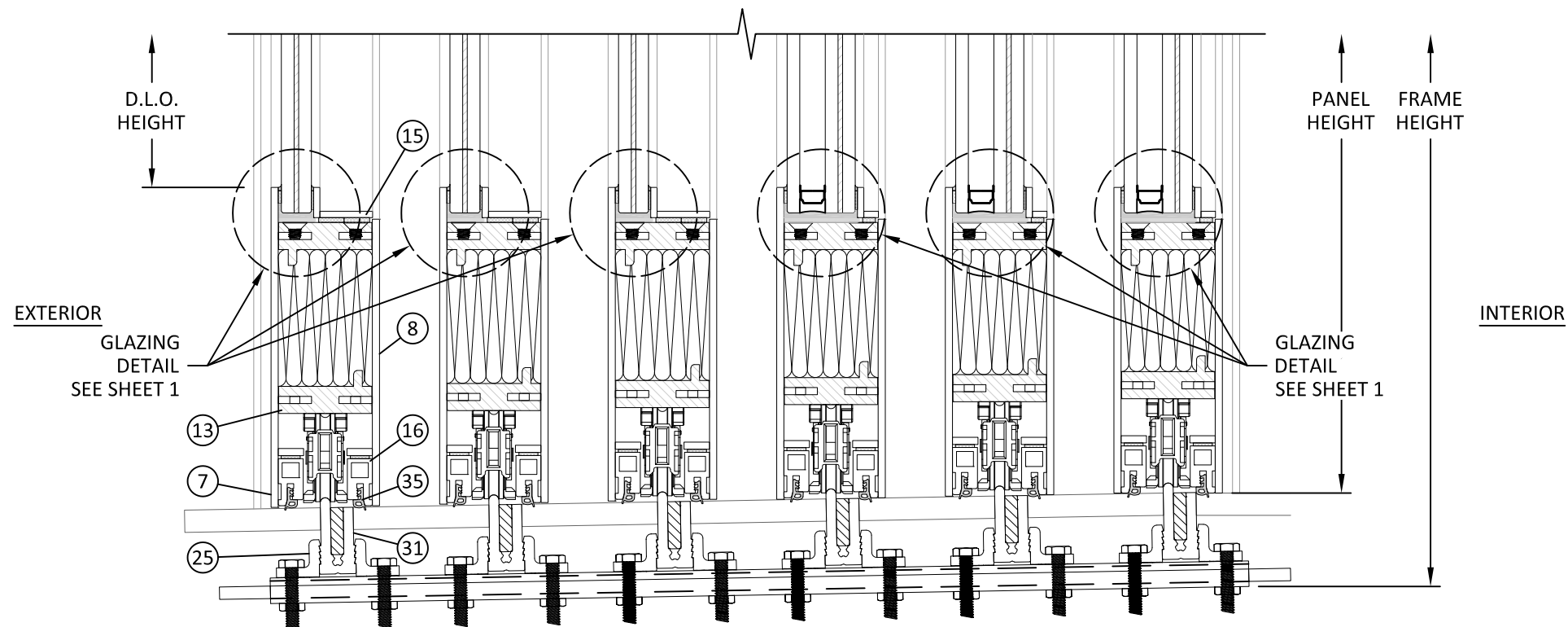
CHK. BY:
HFN

SCALE:
NTS

DWG. #:
MWA008



C
5 VERTICAL SECTION
DOOR HEAD
6-TRACK



D
5 VERTICAL SECTION
DOOR SILL
FFI



MILLWORK ARTISANS, LLC
4600 GOER DR STE 201
NORTH CHARLESTON, SC 29406
PH: (843) 577-3348

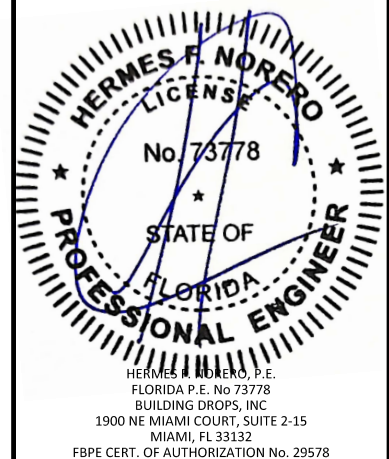
TITLE: METAL LIFT & SLIDE DOOR (HVHZ) (IMPACT)
VERTICAL SECTIONS

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

BD
BUILDING DROPS

REMARKS	BY	DATE

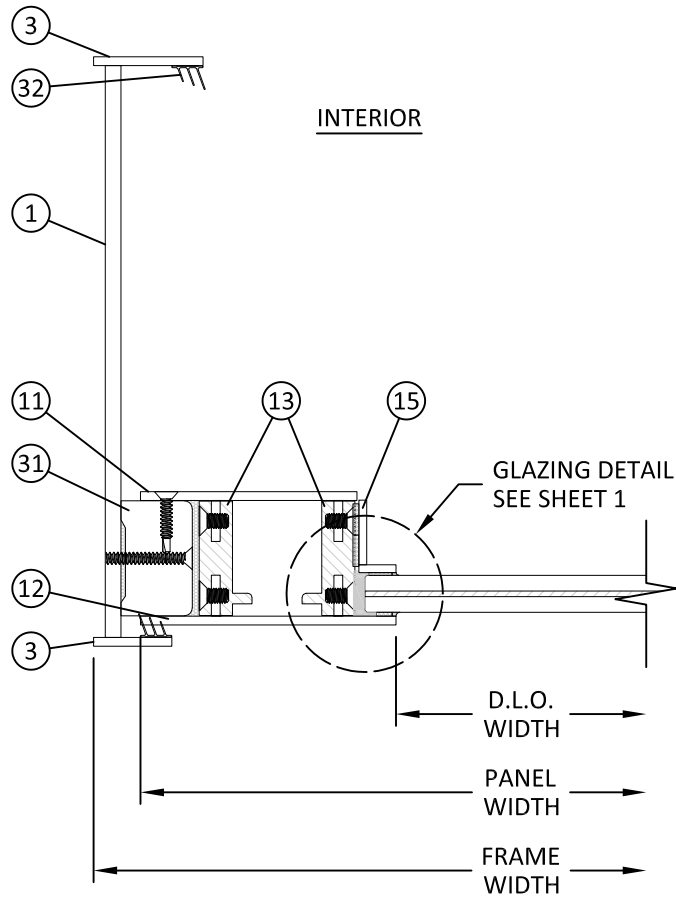
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



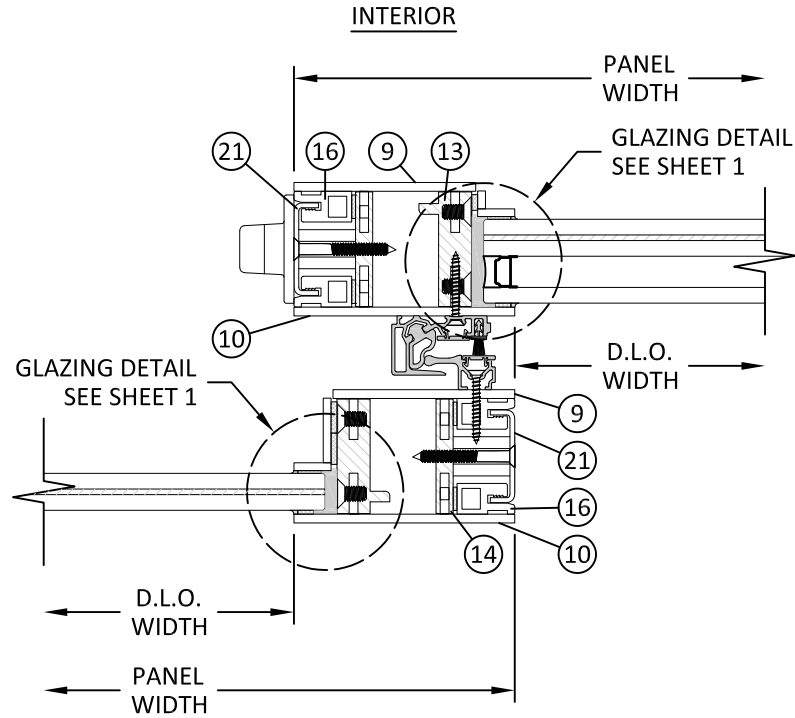
FL #:	FL47466
DATE:	08.18.2025
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	MWA008
SHEET:	5

8/25/2025 11:21 AM

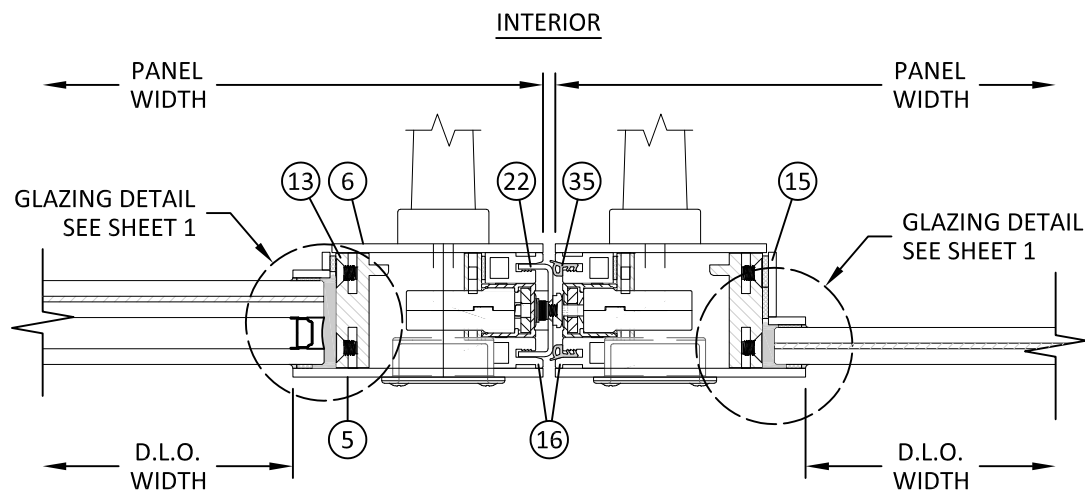
c:\users\msun\building drops - common\projects\millwork artisans\fb-25-0712 - fb- submittal - steel bi-fold and lift & slide systems\dwgs\mwa008.dwg



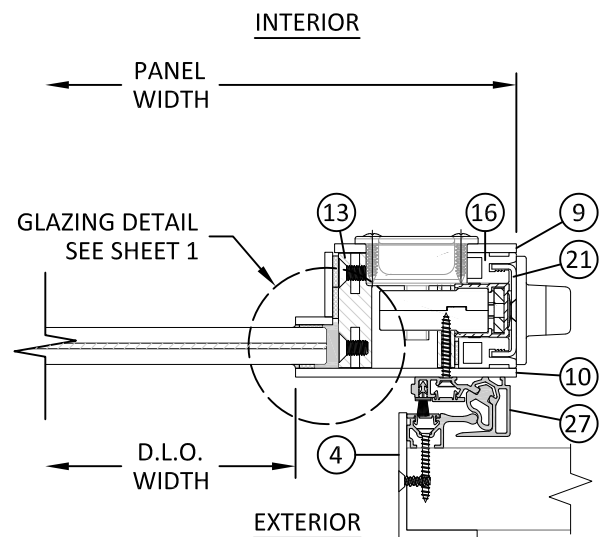
E
6 HORIZONTAL SECTION
DOOR JAMB
3-TRACK



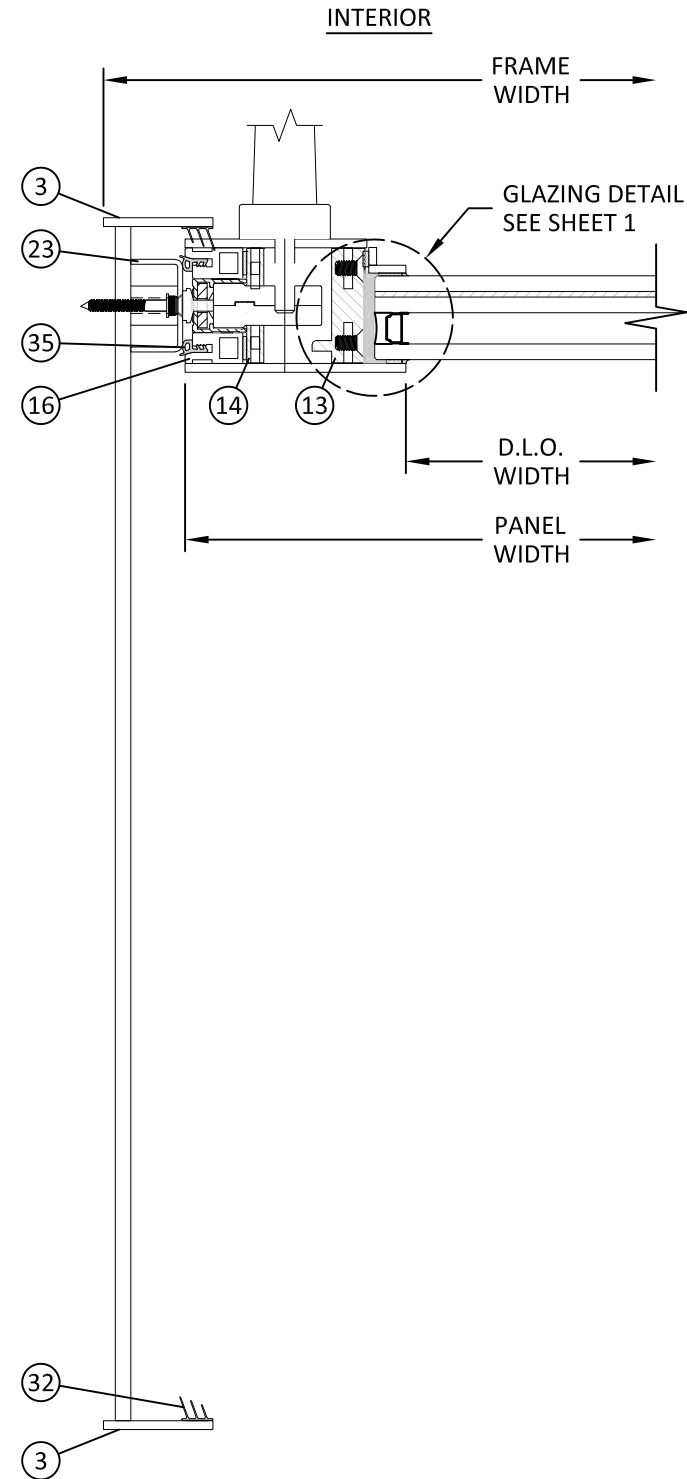
F
6 HORIZONTAL SECTION
INTERLOCK



G
6 HORIZONTAL SECTION
MEETING STILE



H
6 HORIZONTAL SECTION
POCKET JAMB



I
6 HORIZONTAL SECTION
DOOR JAMB
6-TRACK

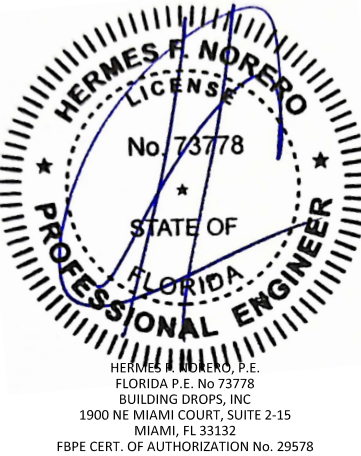


MILLWORK ARTISANS, LLC
4600 GOER DR STE 201
NORTH CHARLESTON, SC 29406
PH: (843) 577-3348

TITLE: METAL LIFT & SLIDE DOOR (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 #: **FL47466**
DATE: **08.18.2025**
DWG. BY: **MS** CHK. BY: **HFN**
SCALE: **NTS**
DWG. #: **MWA008**
SHEET:

c:\users\msun\building drops, inc\building drops landing - common\projects\millwork artisans\lbc-25-0712 - fbc submittal - steel bi-fold and lift & slide systems\dwgs\mwa008.dwg 8/25/2025 11:21 AM

INSTALLATION NOTES:

1. FOR INSTALLATION THROUGH FRAME OR THROUGH CLIP, ONE (1) INSTALLATION ANCHORS INTO SUBSTRATE ARE REQUIRED AT EACH ANCHOR LOCATION.
2. FOR INSTALLATION THROUGH ANGLE, TWO (2) INSTALLATION ANCHORS INTO SUBSTRATE ARE REQUIRED AT EACH ANCHOR LOCATION.
3. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
4. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±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.
5. 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.
6. 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.
7. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
8. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
9. 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.
10. 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	METHOD	ANCHOR TYPE	SUBSTRATE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
HEAD/ JAMB	THROUGH FRAME	#12 WOOD SCREW	WOOD: MIN. S.G. = 0.55	1-1/2"	1"
		#12 GRADE 5 SELF-DRILLING/ SELF-TAPPING SCREW	STEEL: MIN. 18 GA. MIN. Fy = 33 ksi	3 THREADS MIN PENETRATION BEYOND METAL	1/2"
			ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5		
		1/4" DEWALT ULTRACON+	CONCRETE: MIN. f'c = 3000 psi	1"	2-1/2"
			MASONRY: HOLLOW OR GROUT- FILLED BLOCK per ASTM C90, MIN. 2000 PSI	1-1/4"	2-1/2"
	THROUGH ANGLE	#8 WOOD SCREW	WOOD: MIN. S.G. = 0.55	1-1/2"	1/2"
		#8 GRADE 5 SELF-DRILLING/ SELF-TAPPING SCREW	STEEL: MIN. 18 GA. MIN. Fy = 33 ksi	3 THREADS MIN PENETRATION BEYOND METAL	1/2"
			ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5		
	THROUGH CLIP	#12 WOOD SCREW	WOOD: MIN. S.G. = 0.55	1-1/2"	1"
		#12 GRADE 5 SELF-DRILLING/ SELF-TAPPING SCREW	STEEL: MIN. 18 GA. MIN. Fy = 33 ksi	3 THREADS MIN PENETRATION BEYOND METAL	1/2"
			ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5		
		1/4" DEWALT ULTRACON+	CONCRETE: MIN. f'c = 3000 psi	1"	2-1/2"
			MASONRY: HOLLOW OR GROUT- FILLED BLOCK per ASTM C90, MIN. 2000 PSI	1-1/4"	2-1/2"
SIEGENIA THRESHOLD	THROUGH FRAME	#12 WOOD SCREW	WOOD: MIN. S.G. = 0.55	1-1/2"	1"
		#12 GRADE 5 SELF-DRILLING/ SELF-TAPPING SCREW	STEEL: MIN. 18 GA. MIN. Fy = 33 ksi	3 THREADS MIN PENETRATION BEYOND METAL	1/2"
			ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5		
		1/4" DEWALT ULTRACON+	CONCRETE: MIN. f'c = 3000 psi	1"	2-1/2"
	THROUGH ANGLE	#10 WOOD SCREW	WOOD: MIN. S.G. = 0.55	1-1/2"	1"
		#10 GRADE 5 SELF-DRILLING/ SELF-TAPPING SCREW	STEEL: MIN. 18 GA. MIN. Fy = 33 ksi	3 THREADS MIN PENETRATION BEYOND METAL	1/2"
			ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5		
		3/16" DEWALT ULTRACON+	CONCRETE: MIN. f'c = 3000 psi	1-3/4"	2-1/2"



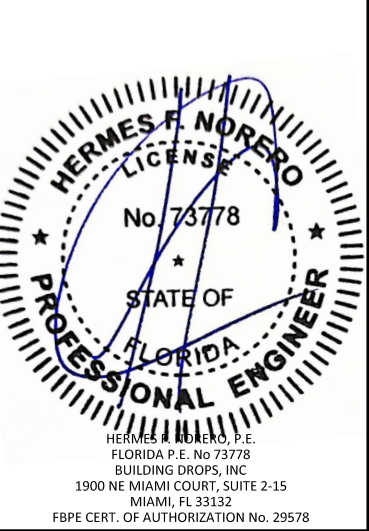
MILLWORK ARTISANS, LLC
4600 GOER DR STE 201
NORTH CHARLESTON, SC 29406
PH: (843) 577-3348

TITLE:
METAL LIFT & SLIDE DOOR
(HVHZ) (IMPACT)
INSTALLATION NOTES &
ANCHOR SCHEDULE

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 #:
FL47466

DATE:
08.18.2025

DWG. BY:
MS

CHK. BY:
HFN

SCALE:
NTS

DWG. #:
MWA008

SHEET:

8

c:\users\msun\building_drops, inc\building_drops_landing - common\projects\millwork artisans\fbc-25-0712 - fbc submittal - steel bi-fold and lift & slide systems\dwgs\mwa008.dwg 8/25/2025 11:21 AM

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
1	HEAD & JAMB FRAME	GRP
2	FRAME EXTERIOR/INTERIOR - HEAD	ALUMINUM (OR BRONZE, STEEL)
3	FRAME EXTERIOR/INTERIOR - JAMB	ALUMINUM (OR BRONZE, STEEL)
4	POCKET FRAME	ALUMINUM (OR BRONZE, STEEL)
5	TOP RAIL EXTERIOR/MEETING STILE EXTERIOR	ALUMINUM (OR BRONZE, STEEL)
6	TOP RAIL INTERIOR/MEETING STILE INTERIOR	ALUMINUM (OR BRONZE, STEEL)
7	BOTTOM RAIL EXTERIOR	ALUMINUM (OR BRONZE, STEEL)
8	BOTTOM RAIL INTERIOR	ALUMINUM (OR BRONZE, STEEL)
9	STILE INTERIOR	ALUMINUM (OR BRONZE, STEEL)
10	STILE EXTERIOR	ALUMINUM (OR BRONZE, STEEL)
11	FIXED STILE INTERIOR	ALUMINUM (OR BRONZE, STEEL)
12	FIXED STILE EXTERIOR	ALUMINUM (OR BRONZE, STEEL)
13	RAIL/STILE BAR	GRP
14	RAIL/STILE BAR	GRP
15	GLASS STOP	STEEL
16	WEATHER SEAL INSERT	ALUMINUM
17	SUPPORT RAIL - B171	ALUMINUM
18	SUPPORT RAIL - B182	ALUMINUM
19	RAISED OFFSET RUNNING RAIL	ALUMINUM
20	ECO PASS THRESHOLD	ALUMINUM
21	STILE CHANNEL	ALUMINUM
22	MEETING STILE CHANNEL	ALUMINUM
23	LOCK STILE CHANNEL	ALUMINUM
24	UNIVERSAL TOP TRACK	BRONZE
25	FFI TRACK CLIP	ALUMINUM
26	FFI FASTRACK DRAINAGE TRACK BRIDGE	ALUMINUM
27	UNI-V INTERLOCK	ALUMINUM
28	FIXING STRIP - HEAD	FIBERGLASS
29	PARTING STRIP - HEAD	FIBERGLASS
30	FIXING STRIP - SILL	FIBERGLASS
31	FIXING STRIP - JAMB	FIBERGLASS
32	WEATHERSTRIP	RUBBER
33	WEATHERSTRIP - QEZD260 OR SIMILAR	FOAM
34	WEATHERSTRIP - HH0134-01 OR SIMILAR	PVC
35	WELDED CORNER GASKET - HH0134-02 OR SIMILAR	RUBBER
36	WEATHERSTRIP	FIBERGLASS
37	SIMPSON STRONG-TIE A23Z ANGLE	STEEL
38	CUSTOM CLIP	STEEL
39	ANGLE CLIP	ALUMINUM



MILLWORK ARTISANS, LLC
4600 GOER DR STE 201
NORTH CHARLESTON, SC 29406
PH: (843) 577-3348

TITLE:

METAL LIFT & SLIDE DOOR
(HVHZ) (IMPACT)
BILL OF MATERIALS

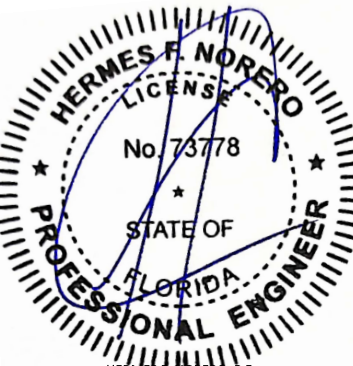
PREPARED BY:

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.



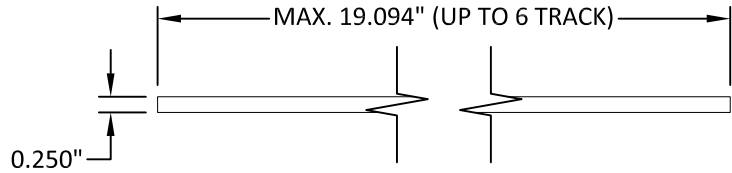
HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:	FL47466
DATE:	08.18.2025
DWG. BY:	CHK. BY:
MS	HFN
SCALE:	NTS
DWG. #:	MWA008
SHEET:	

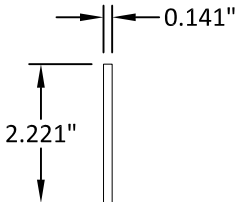
9

8/25/2025 11:21 AM

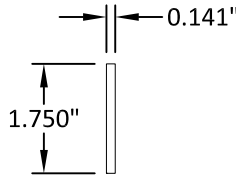
c:\users\msun\building drops, inc\building drops landing - common\projects\millwork artisans\lbc-25-0712 - fbc submittal - steel bi-fold and lift & slide systems\dwgs\mwa008.dwg



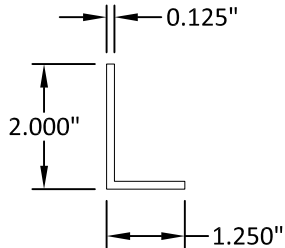
1 HEAD & JAMB FRAME



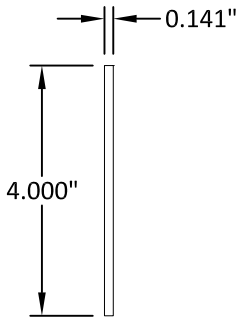
2 FRAME EXTERIOR/INTERIOR HEAD



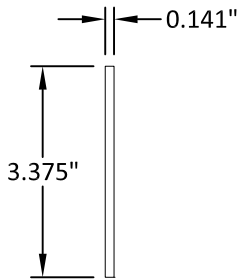
3 FRAME EXTERIOR/INTERIOR JAMB



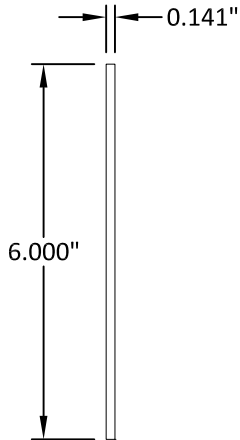
4 POCKET FRAME



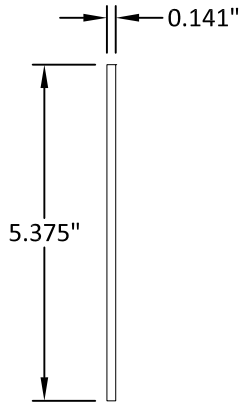
5 TOP RAIL EXTERIOR/MEETING STILE EXTERIOR



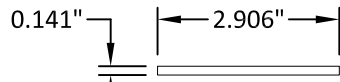
6 TOP RAIL INTERIOR/MEETING STILE INTERIOR



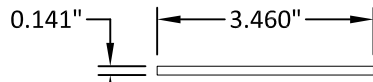
7 BOTTOM RAIL EXTERIOR



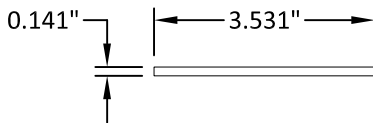
8 BOTTOM RAIL INTERIOR



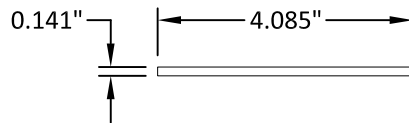
9 STILE INTERIOR



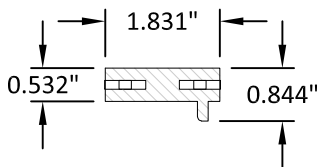
11 FIXED STILE INTERIOR



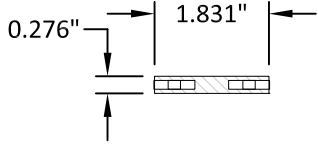
10 STILE EXTERIOR



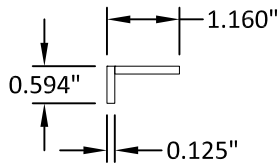
12 FIXED STILE EXTERIOR



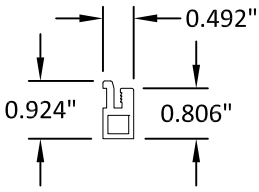
13 RAIL/STILE BAR



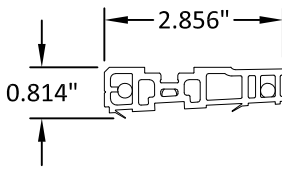
14 RAIL/STILE BAR



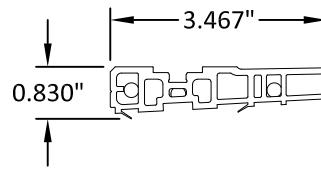
15 GLASS STOP



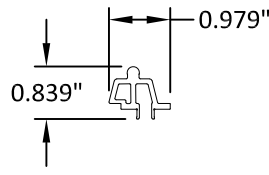
16 WEATHER SEAL INSERT



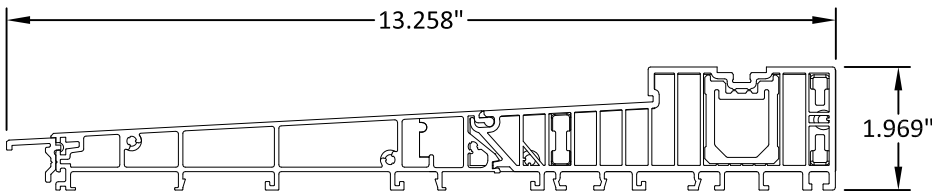
17 SUPPORT RAIL - B171



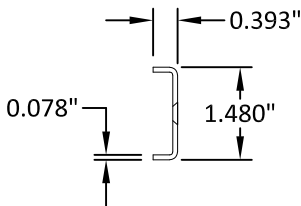
18 SUPPORT RAIL - B182



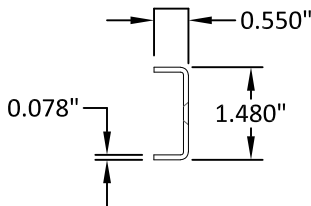
19 RAISED OFFSET RUNNING RAIL



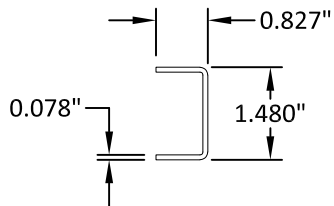
20 ECO PASS THRESHOLD



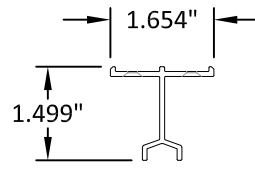
21 STILE CHANNEL



22 MEETING STILE CHANNEL



23 LOCK STILE CHANNEL



24 UNIVERSAL TOP TRACK



MILLWORK ARTISANS, LLC
4600 GOER DR STE 201
NORTH CHARLESTON, SC 29406
PH: (843) 577-3348

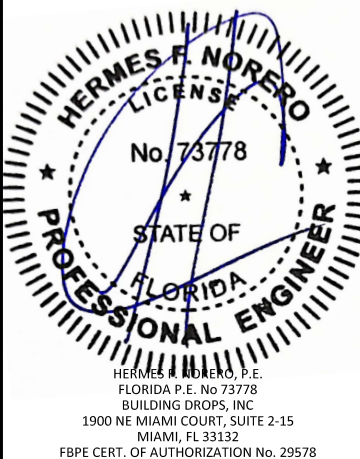
TITLE:
METAL LIFT & SLIDE DOOR
(HVHZ) (IMPACT)

COMPONENTS



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

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 #:
FL47466

DATE: **08.18.2025**

DWG. BY:
MS

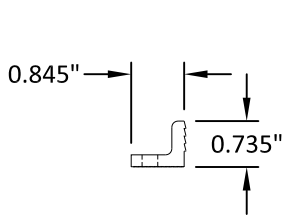
CHK. BY:
HFN

SCALE: **NTS**

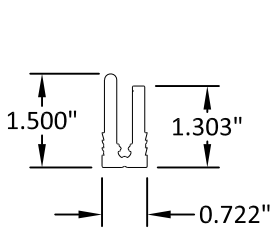
DWG. #: **MWA008**

SHEET:
10

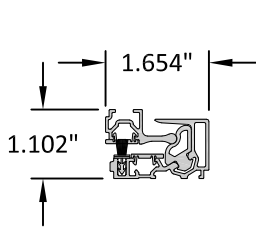
c:\users\msun\building_drops - common\projects\millwork artisans\fbc-25-0712 - fbc submittal - steel bi-fold and lift & slide systems\dwgs\mwa008.dwg 8/25/2025 11:21 AM



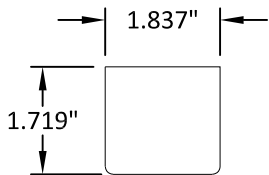
25 FFI TRACK CLIP



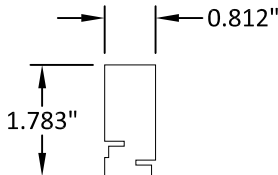
26 FFI FASTRACK DRAINAGE TRACK BRIDGE



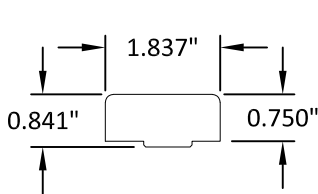
27 UNI-V INTERLOCK



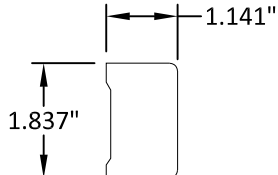
28 FIXING STRIP - HEAD



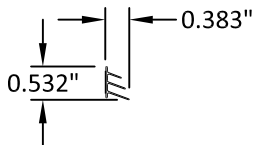
29 PARTING STRIP - HEAD



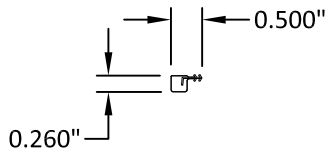
30 FIXING STRIP - SILL



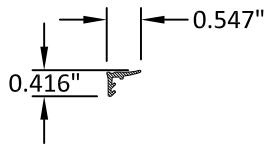
31 FIXING STRIP - JAMB



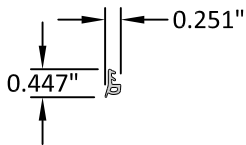
32 WEATHERSTRIP



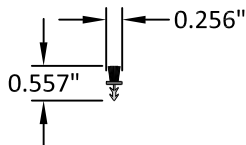
33 WEATHERSTRIP



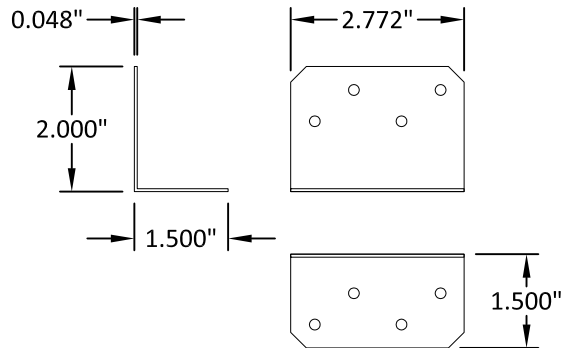
34 WEATHERSTRIP



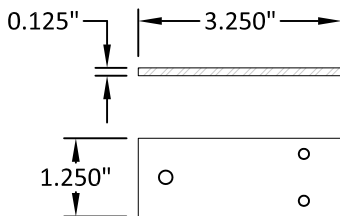
35 WELDED CORNER GASKET



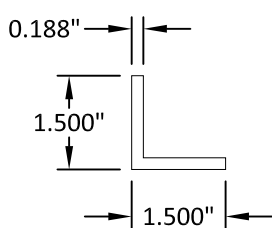
36 WEATHERSTRIP



37 SIMPSON STRONG-TIE A23Z ANGLE



38 CUSTOM CLIP



39 ANGLE CLIP



MILLWORK ARTISANS, LLC
4600 GOER DR STE 201
NORTH CHARLESTON, SC 29406
PH: (843) 577-3348

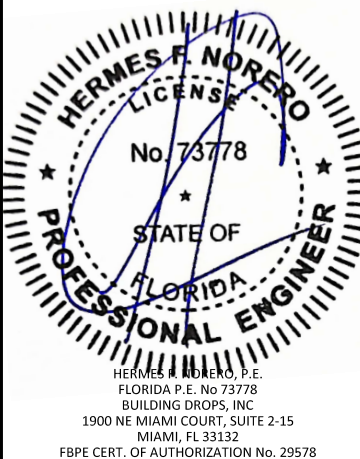
TITLE:
METAL LIFT & SLIDE DOOR
(HVHZ) (IMPACT)
COMPONENTS

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 #:	FL47466
DATE:	08.18.2025
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	MWA008
SHEET:	11 OF 11