

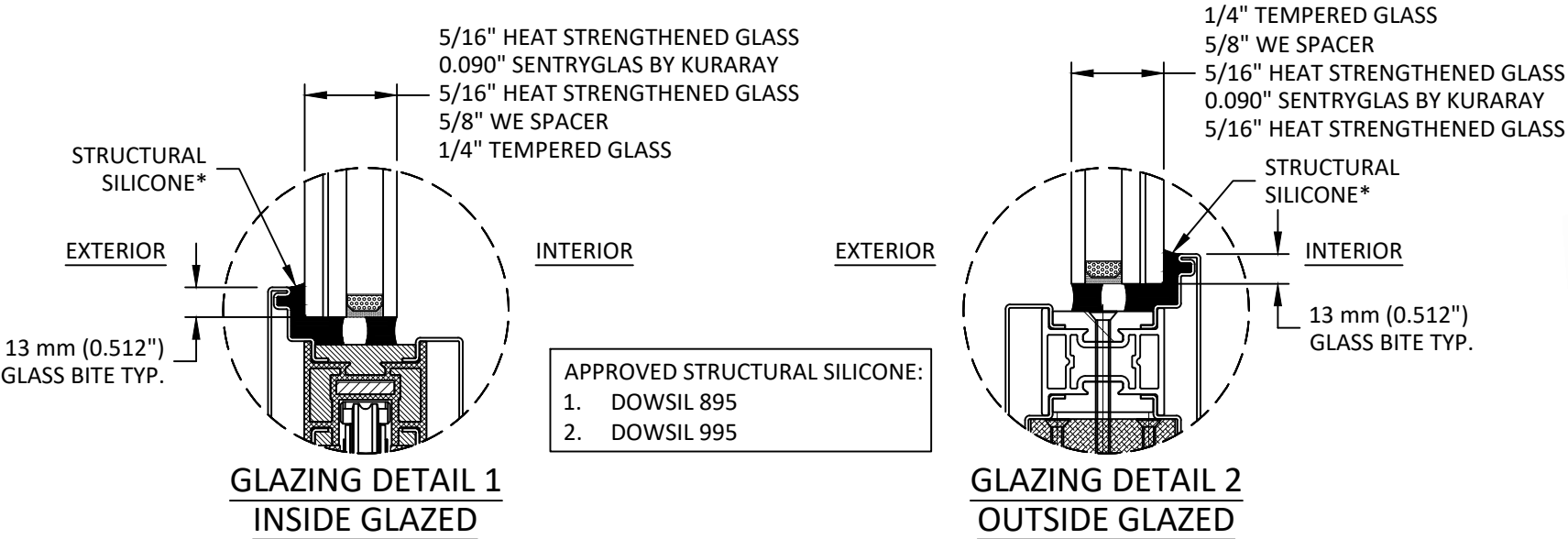
BROMBAL ITALY
ALFA 85 LIFT & SLIDE DOOR
(HVHZ) (IMPACT)

GENERAL NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
• AAMA/WDMA/CSA 101/I.S.2/A440-17
• TAS 201-94
• TAS 202-94
• TAS 203-94
- 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.
- 5. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- 6. DOOR FRAME MATERIAL OPTIONS:
BRASS (MIN. FY = 29 KSI, MIN. FU = 50 KSI)
STEEL/PAINTED STEEL (MIN. FY = 31 KSI, MIN. FU = 72 KSI)
COR-TEN STEEL (MIN. FY = 51 KSI, MIN. FU = 74 KSI)
STAINLESS STEEL (MIN. FY = 31 KSI, MIN. FU = 76 KSI)
- 7. DOOR HARDWARE: LIFT & SLIDE HARDWARE GU-934
OMEC 15MM SLIM LOCKCASE
- 8. 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.
- 9. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.
- 10. GLAZING SELECTION SHALL MEET SAFETY GLAZING REQUIREMENTS PER CHAPTER 24 OF CURRENT FBC.
- 11. GLASS SHALL BE SET WITH THE USE OF SETTING BLOCKS IN ACCORDANCE WITH CHAPTER 24 OF THE CURRENT FLORIDA BUILDING CODE.
- 12. WHEN INSTALLED AT A LOCATION PROTECTED BY AN OVERHANG SUCH THAT:
OVERHANG (OH) RATIO = OH LENGTH ÷ OH HEIGHT IS ≥ 1.0.
WATER INFILTRATION REQUIREMENT DOES NOT NEED TO BE MET.

Table with 4 columns: FRAME SIZE, CONFIGURATION, DESIGN PRESSURE, MISSILE RATING. Includes a note: *NOTE: FLUSH SILL IS RATED FOR WATER INFILTRATION UP TO A POSITIVE DESIGN PRESSURE OF +40 PSF.

TABLE OF CONTENTS
SHEET SHEET DESCRIPTION
1 GENERAL NOTES AND GLAZING DETAILS
2 ELEVATION AND DESIGN PRESSURE TABLE
3 ANCHOR LAYOUT
4 VERTICAL SECTIONS
5 VERTICAL SECTIONS
6 HORIZONTAL SECTIONS
7 HORIZONTAL SECTIONS
8 INSTALLATION DETAILS AND NOTES
9 INSTALLATION DETAILS CONTINUED
10 GLAZING BEAD OPTIONS



- 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. SEE SHEET 7 FOR ALTERNATE GLAZING BEAD OPTIONS.
 - 5. D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN SHEET 2.
 - 6. IG SPACER OPTIONS:
OPTION 1: WARM EDGE SPACER CONSISTING OF POLYPROPYLENE & STAINLESS STEEL. SPACERS ARE QUALIFIED FOR 10 MM - 30 MM THICKNESS.

BROMBAL
LUXURY METAL WINDOWS AND DOORS

VIA VALLÀ 24
CASELLE DI ALTIVOLE, ITALY 31030
PH: +39-0423 566189

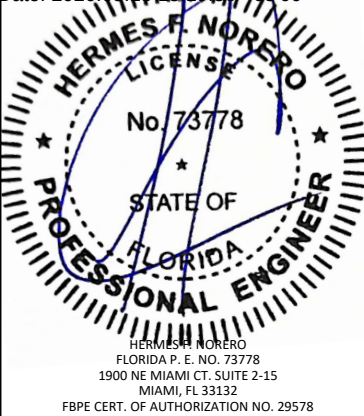
ALFA 85 LIFT & SLIDE DOOR
(HVHZ) (IMPACT)
GENERAL NOTES &
GLAZING DETAILS

BUILDING DROPS, INC.
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MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
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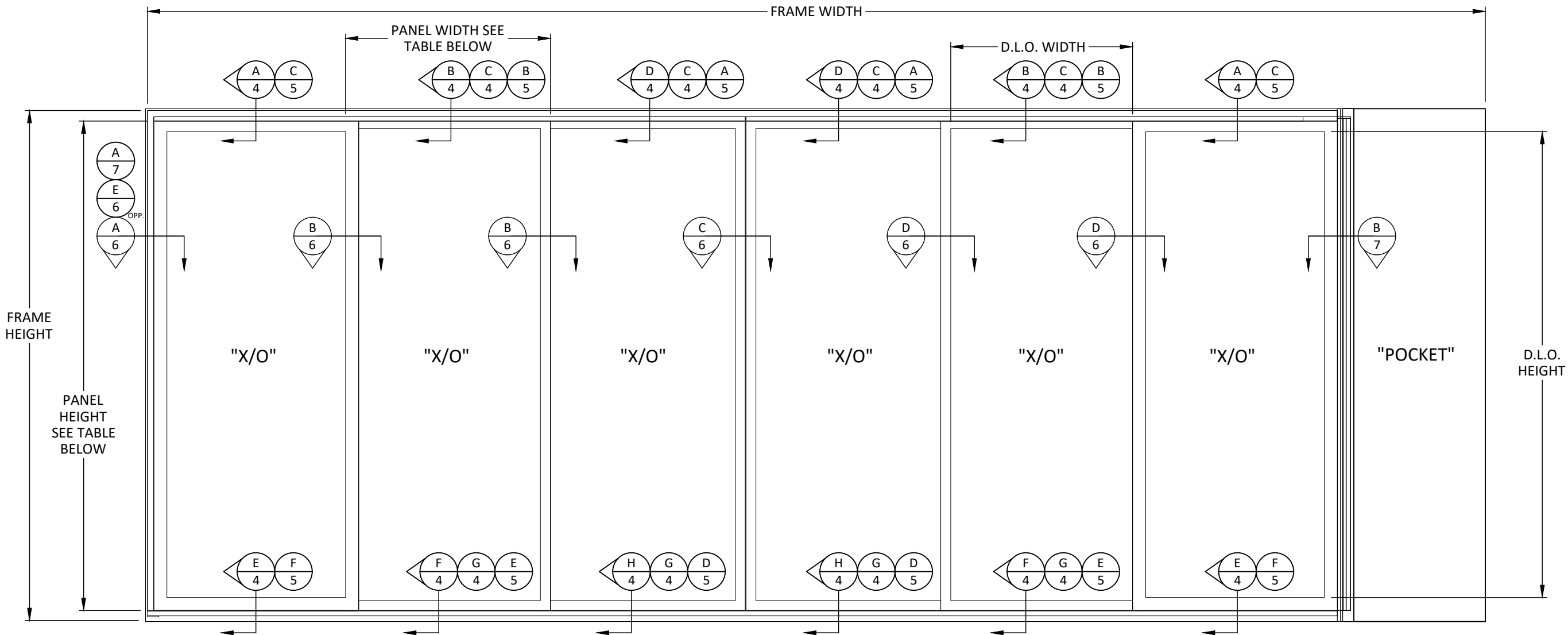
Table with 3 columns: REMARKS, BY, DATE. Contains entries for 6-PANEL ADDITION, 2026 FBC UPDATE, and a blank row.

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.
Date: 2026-04-14 11:11:00



FL43908

Table with 2 columns: DWG. BY, CHK. BY. Contains project information including DATE (10/16/23), SCALE (NTS), DWG. # (BRB015), SHEET (1), and REV. (B).



TYPICAL ELEVATION
LIFT & SLIDE DOOR

- APPROVED CONFIGURATIONS:
2 PANEL: XX, XO, OX
3 PANEL: XXX, XXO, XO, OXX, XOO, OOX,
4 PANEL: XXXX, XXO, OXXO, XXOO, XOOX, OXX
5 PANEL: XXOOO, OOOXX, XXXXX, OXXXX, XXXXO
6 PANEL: OXXXXO, XXXXXX, XXXOOO, OOOXXX,
OOXXOO, XOOOOX, XXXXXO, OXXXXX
7 PANEL: XXXXXXX, OXXXXXX, XXXXXXO, OXXXXXO
8 PANEL: XXXXXXXX, OXXXXXXX, XXXXXXO,
OXXXXXXO
9 PANEL: XXXXXXXX, OXXXXXXX, XXXXXXXXO,
OXXXXXXO
10 PANEL: XXXXXXXXXX, OXXXXXXX, XXXXXXXXO,
OXXXXXXXO
- POCKETS ARE QUALIFIED ON ANY CONFIGURATION.
- POCKETS ARE QUALIFIED FOR INSTALLATION ON EITHER SIDE OF THE SYSTEM. POCKETS ARE QUALIFIED TO BE USED ON BOTH SIDES AT THE SAME TIME.

ALFA 85 LIFT & SLIDE DOOR DESIGN PRESSURE TABLE (+/- PSF)										
DOOR PANEL HEIGHT (IN.)	DOOR PANEL WIDTH (IN.)									
	42	48	54	60	66	73.1875	78	84	90	96
78	55.00	55.00	55.00	55.00	55.00	55.00	51.25	47.53	44.75	42.60
84	55.00	55.00	55.00	55.00	55.00	55.00	51.25	47.24	44.04	41.61
90	55.00	55.00	55.00	55.00	55.00	55.00	51.25	47.24	43.81	41.03
96	55.00	55.00	55.00	55.00	55.00	55.00	51.25	47.24	43.81	40.84
102	55.00	55.00	55.00	55.00	55.00	55.00	51.25	47.24	43.81	40.84
108	55.00	55.00	55.00	55.00	55.00	55.00	51.25	47.24	43.81	-
114	55.00	55.00	55.00	55.00	55.00	55.00	51.25	47.24	-	-
120	55.00	55.00	55.00	55.00	55.00	55.00	51.25	47.24	-	-
126	55.00	55.00	55.00	55.00	55.00	55.00	51.25	-	-	-
132	-	55.00	55.00	55.00	55.00	55.00	-	-	-	-
138	-	55.00	55.00	55.00	55.00	55.00	-	-	-	-
139.625	-	55.00	55.00	55.00	55.00	55.00	-	-	-	-

FRAME HEIGHT = PANEL HEIGHT + 4.375"
D.L.O. WIDTH = PANEL WIDTH - 7.375"
D.L.O. HEIGHT = PANEL HEIGHT - 7.375"

FRAME AREA IS LIMITED TO 664.95 FT²

BROMBAL
LUXURY METAL WINDOWS AND DOORS

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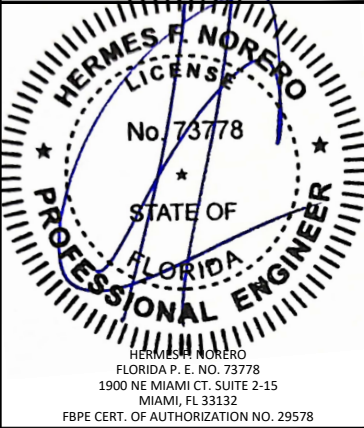
TITLE: ALFA 85 LIFT & SLIDE DOOR
(HVHZ) (IMPACT)
ELEVATION & DESIGN PRESSURE TABLE

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



REMARKS	BY	DATE
6-PANEL ADDITION	SH	11.18.24
2026 FBC UPDATE	LS	07/26

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DWG. BY: MS
CHK. BY: HFN

SCALE: NTS

DWG. #: BRB015

SHEET:

REV. B

2

OF 10

TITLE: ALFA 85 LIFT & SLIDE DOOR
(HVHZ) (IMPACT)

ANCHOR LAYOUT

BUILDING DROPS, INC.

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PREPARED BY:



REMARKS	BY	DATE
6-PANEL ADDITION	SH	11.18.24
2026 FBC UPDATE	LS	07/26

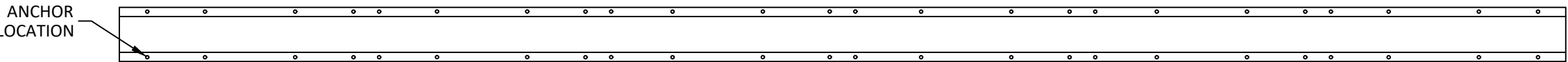
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DWG. #:	BRB015
SHEET:	3

REV. B



HEAD & STANDARD SILL ANCHORS

WOOD/CONC.: 16-23/32" MAX. OC
STEEL/ALUM.: 11-11/32" MAX. OC

6" MAX.

3" 3"

3" 3"

3" 3"

3" 3"

3" 3"

8-7/16"

27-3/4"
MAX. OC

"X/O"

"X/O"

4-15/16"

6" MAX.

3" 3"

3" 3"

3" 3"

3" 3"

3" 3"

WOOD.: 14-11/32" MAX. OC
STEEL/ALUM.: 11-11/32" MAX. OC
CONC.: 16-23/32" MAX. OC

JAMB ANCHORS

2-1/4" TYP.

17.75" MAX.
O.C. SPACING

FLUSH SILL ANCHORS

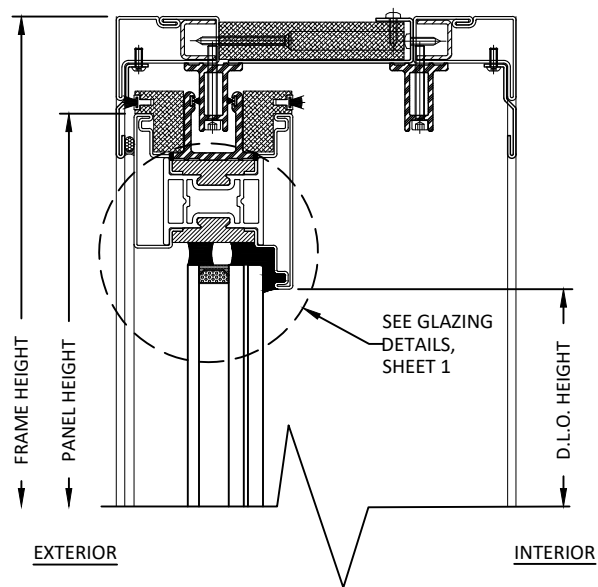
17.75" MAX.
O.C. SPACING

2-1/4" TYP.

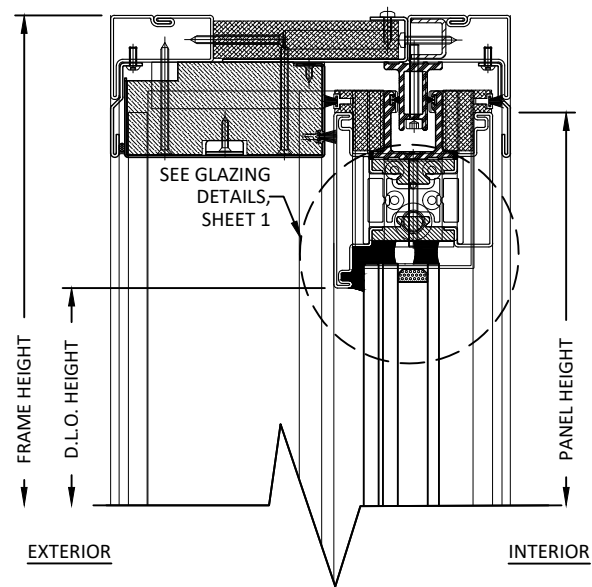
ANCHOR LAYOUT

THROUGH FRAME
2-TRACK SIMILAR

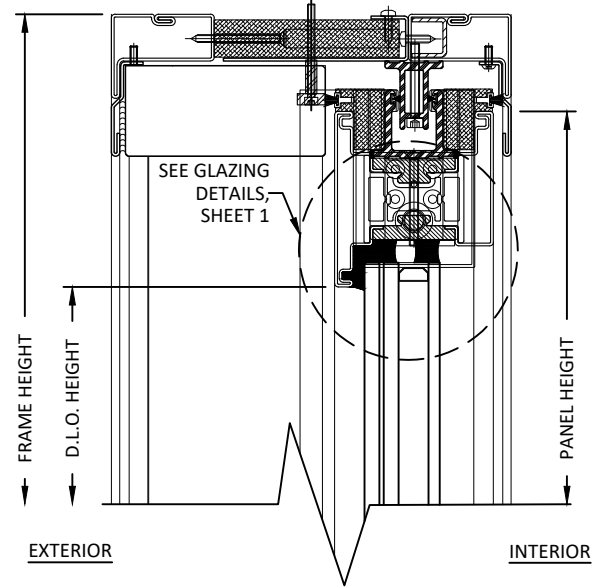
NOTE: SEE SHEET 7 FOR POCKET
INSTALLATION DETAILS.



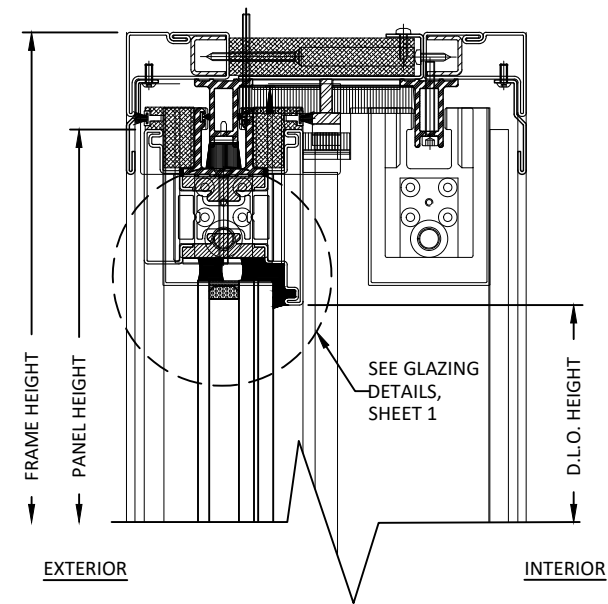
A
4
VERTICAL SECTION
2-TRACK HEAD
FIXED PANEL - OUTSIDE GLAZED



B
4
VERTICAL SECTION
2-TRACK HEAD
OPERABLE PANEL - INSIDE GLAZED

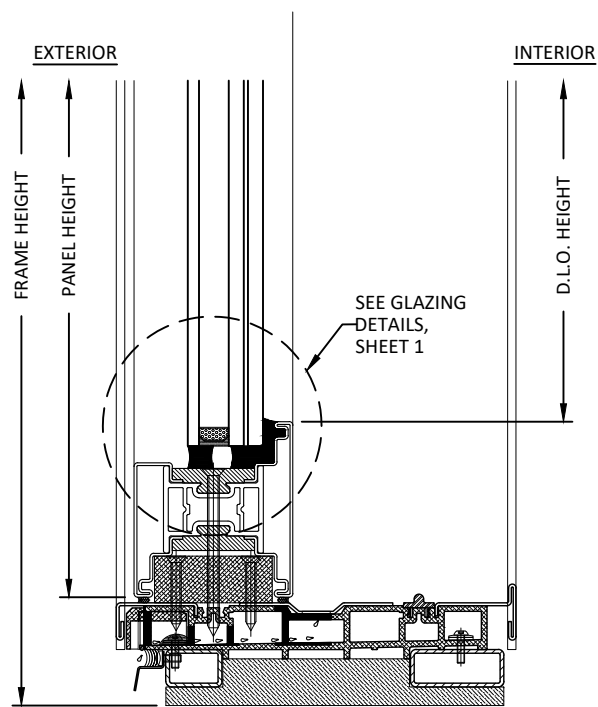


C
4
VERTICAL SECTION
2-TRACK HEAD
OPERABLE PANEL - INSIDE GLAZED

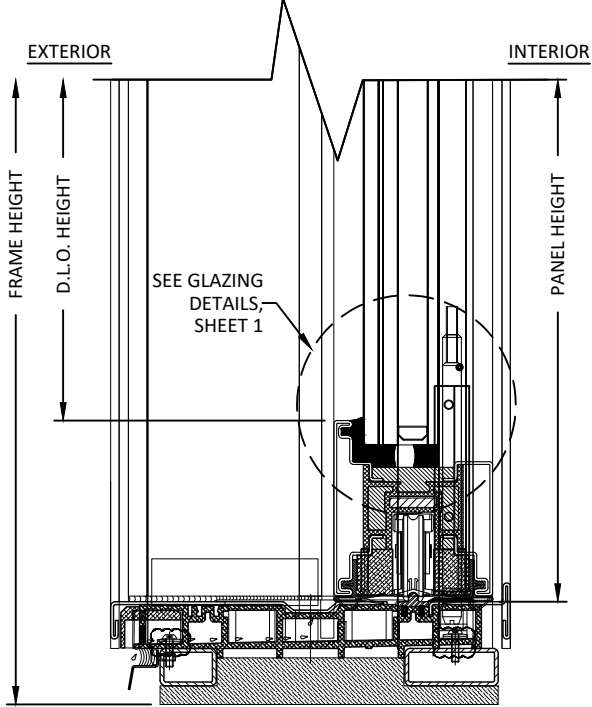


D
4
VERTICAL SECTION
2-TRACK HEAD
OPERABLE PANEL - OUTSIDE GLAZED

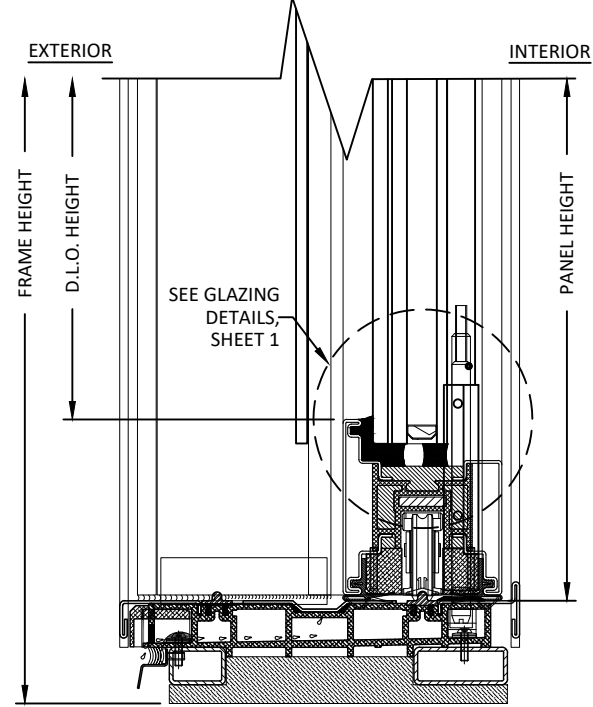
NOTE: 3-TRACK STANDARD SILL
SIMILAR.



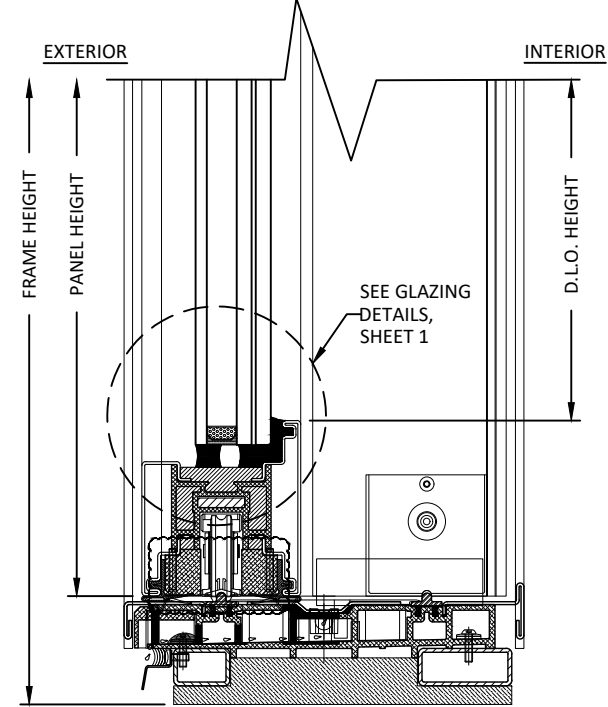
E
4
VERTICAL SECTION
2-TRACK SILL
FIXED PANEL - OUTSIDE GLAZED



F
4
VERTICAL SECTION
2-TRACK SILL
OPERABLE PANEL - INSIDE GLAZED



G
4
VERTICAL SECTION
2-TRACK SILL
OPERABLE PANEL - INSIDE GLAZED



H
4
VERTICAL SECTION
2-TRACK SILL
OPERABLE PANEL - OUTSIDE GLAZED

BROMBAL
LUXURY METAL WINDOWS AND DOORS

VIA VALLÀ 24
CASELLE DI ALTIVOLE, ITALY 31030
PH: +39-0423 566189

TITLE: ALFA 85 LIFT & SLIDE DOOR
(HVHZ) (IMPACT)

VERTICAL SECTIONS

BUILDING DROPS, INC.

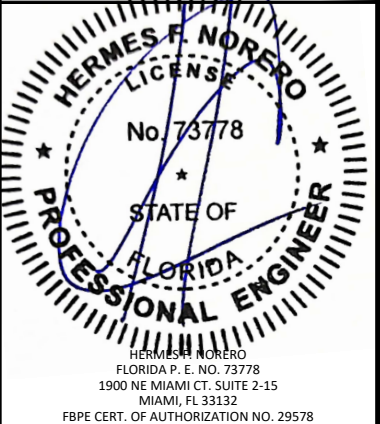
1900 NE MIAMI CT. SUITE 2-15
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WEB: www.buildingdrops.com

PREPARED BY:



REMARKS	BY	DATE
6-PANEL ADDITION	SH	11.18.24
2026 FBC UPDATE	LS	07/26

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MS

CHK. BY:
HFN

SCALE: NTS

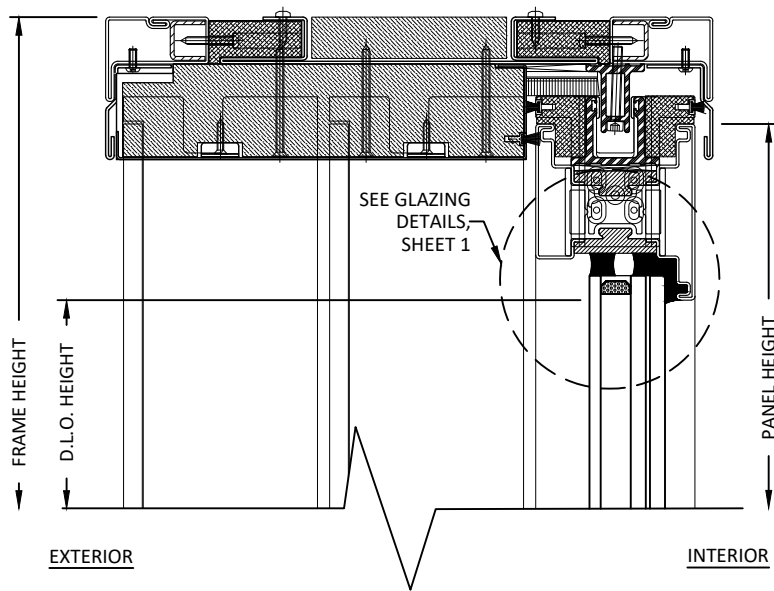
DWG. #: BRB015

SHEET:

REV.
B

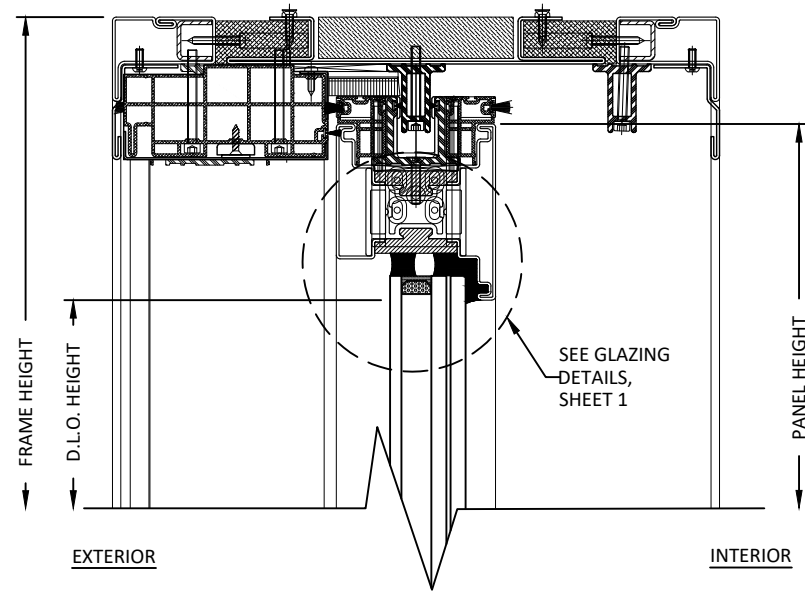
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OF 10



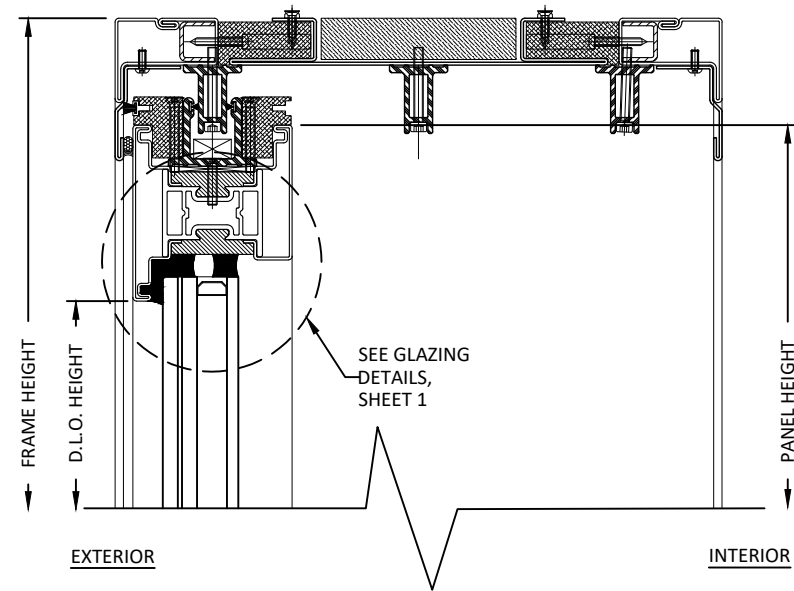
A
5

VERTICAL SECTION
3-TRACK HEAD
OPERABLE PANEL - OUTSIDE GLAZED



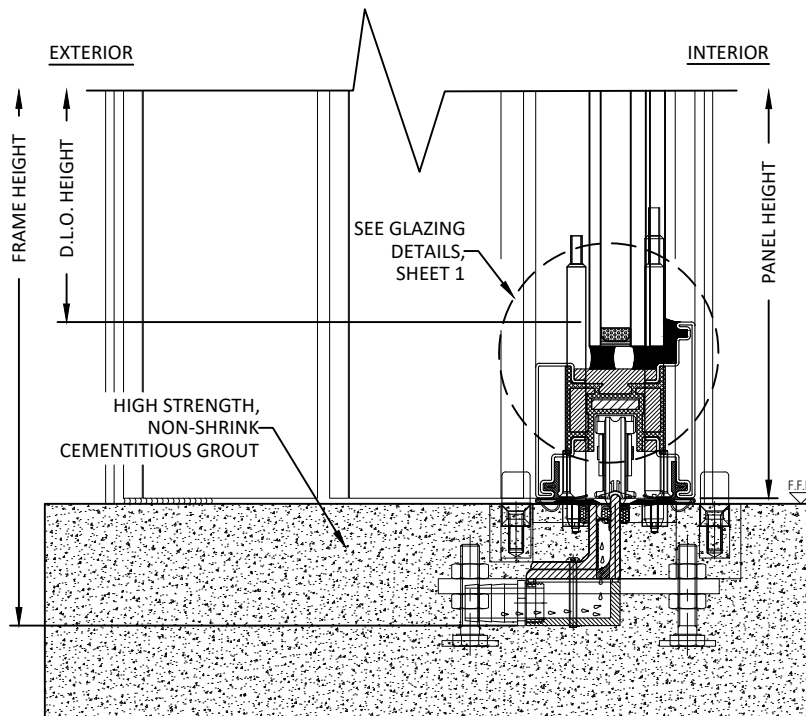
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5

VERTICAL SECTION
3-TRACK HEAD
OPERABLE PANEL - OUTSIDE GLAZED



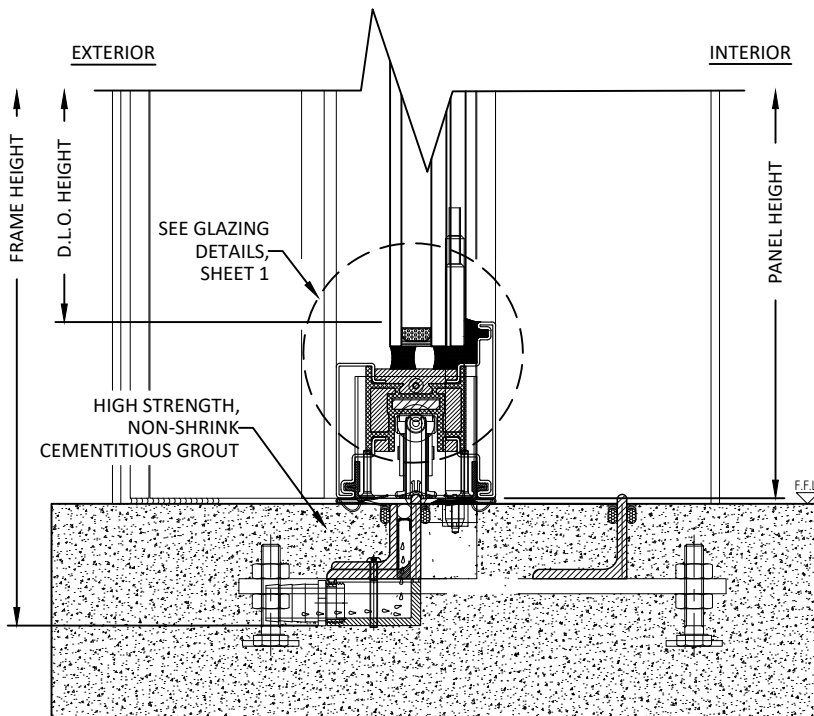
C
5

VERTICAL SECTION
3-TRACK HEAD
FIXED PANEL - INSIDE GLAZED



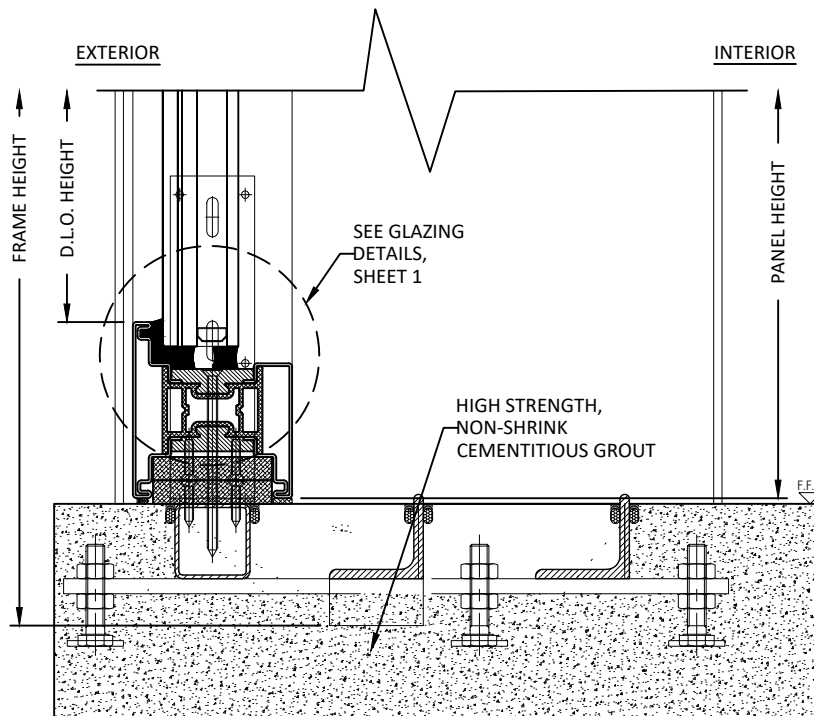
D
5

VERTICAL SECTION
FLUSH SILL
OPERABLE PANEL - OUTSIDE GLAZED



E
5

VERTICAL SECTION
FLUSH SILL
OPERABLE PANEL - OUTSIDE GLAZED



F
5

VERTICAL SECTION
FLUSH SILL
FIXED PANEL - INSIDE GLAZED

NOTE: FLUSH SILL RATED FOR WATER
UP TO A POSITIVE DESIGN PRESSURE
OF +40 PSF.

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LUXURY METAL WINDOWS AND DOORS

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TITLE: **ALFA 85 LIFT & SLIDE DOOR
(HVHZ) (IMPACT)**

VERTICAL SECTIONS

PREPARED BY: **BUILDING DROPS, INC.**

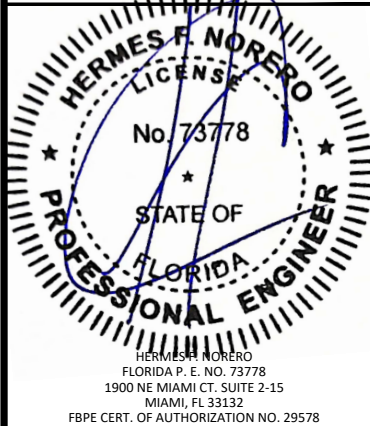
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TITLE: ALFA 85 LIFT & SLIDE DOOR
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HORIZONTAL SECTIONS

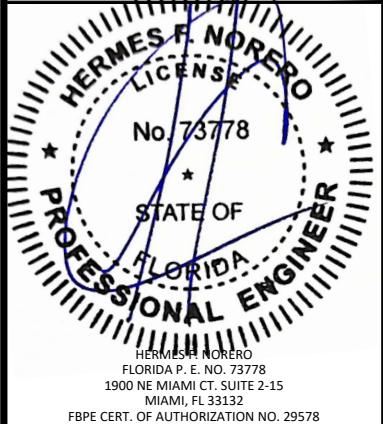
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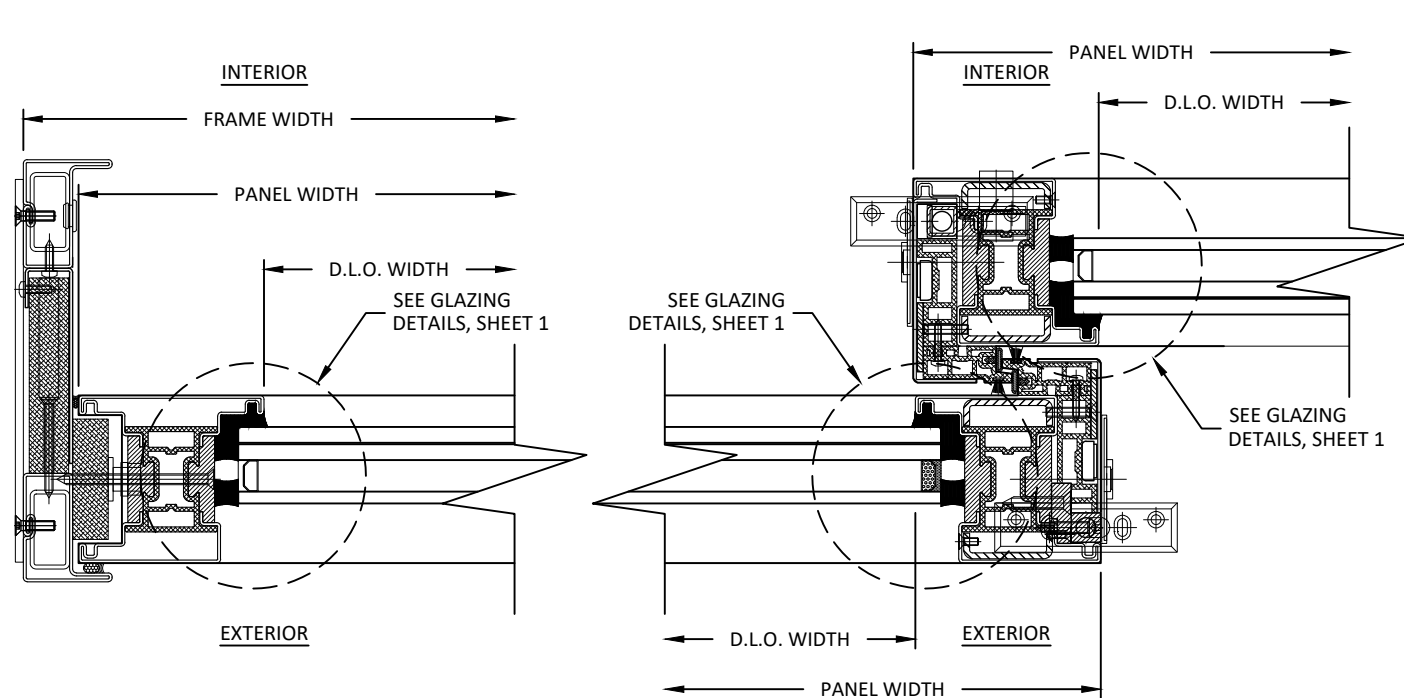
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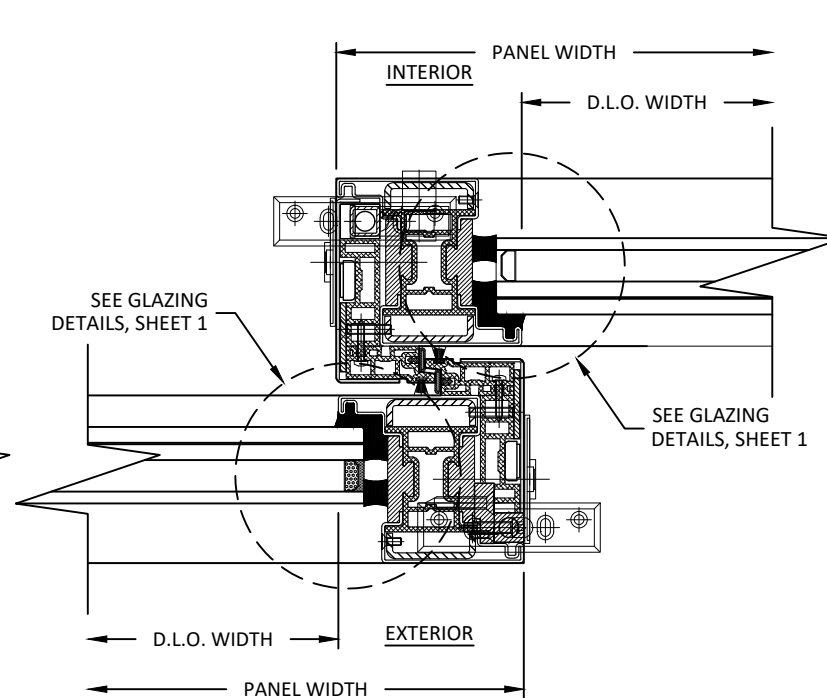
REV.
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6

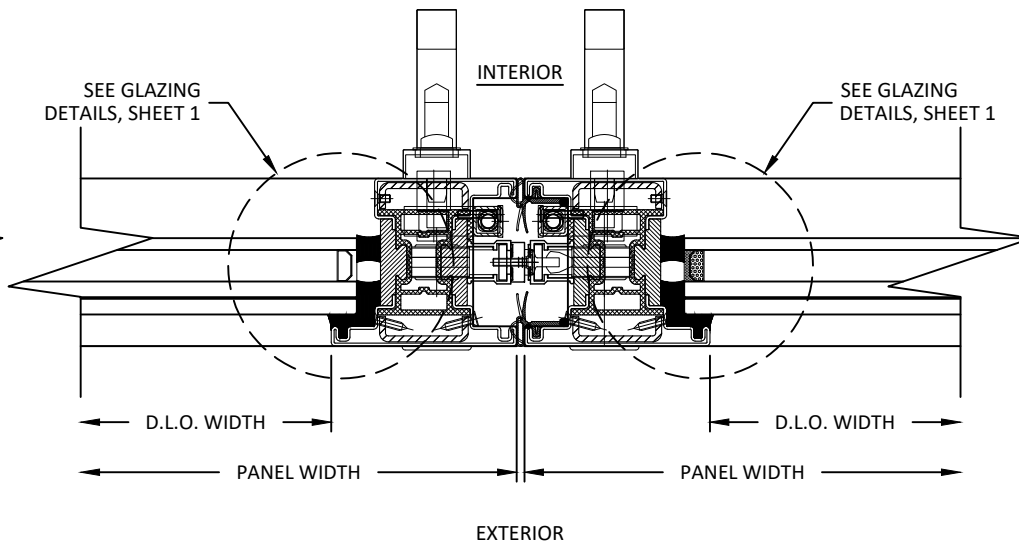
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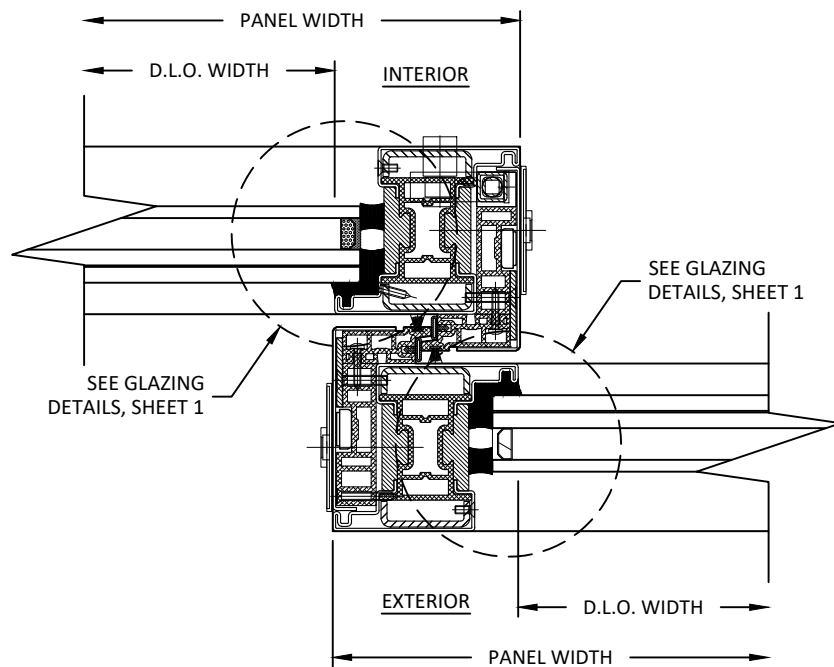
A
6 HORIZONTAL SECTION
2-TRACK JAMB
FIXED PANEL - OUTSIDE GLAZED



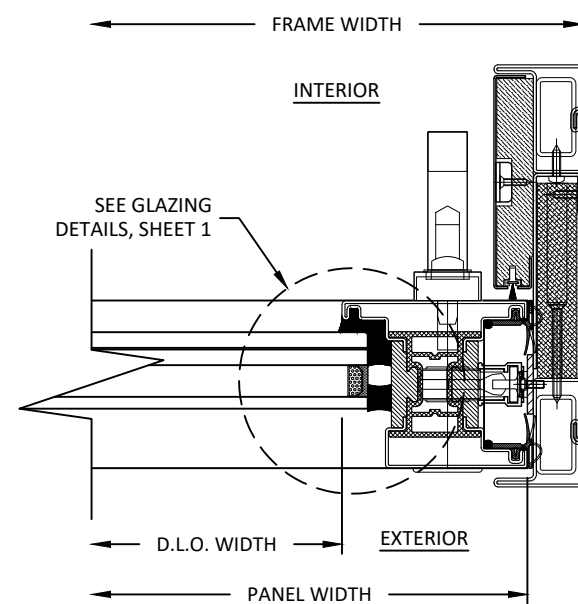
B
6 HORIZONTAL SECTION
INTERLOCK
OUTSIDE - INSIDE GLAZED



C
6 HORIZONTAL SECTION
MEETING STILE
INSIDE GLAZED



D
6 HORIZONTAL SECTION
INTERLOCK
INSIDE - OUTSIDE GLAZED



E
6 HORIZONTAL SECTION
2-TRACK JAMB
OPERABLE PANEL - OUTSIDE GLAZED

TITLE: ALFA 85 LIFT & SLIDE DOOR
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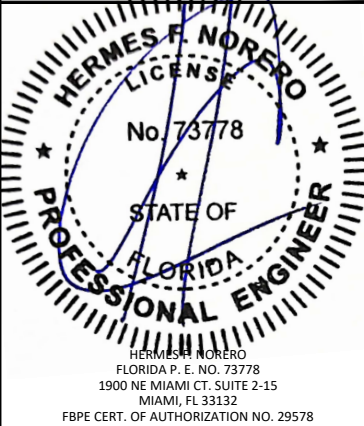
HORIZONTAL SECTIONS

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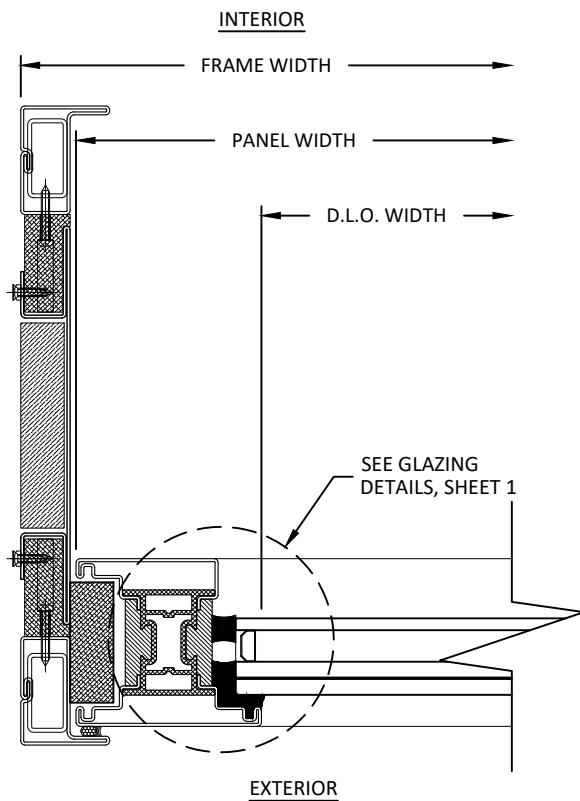
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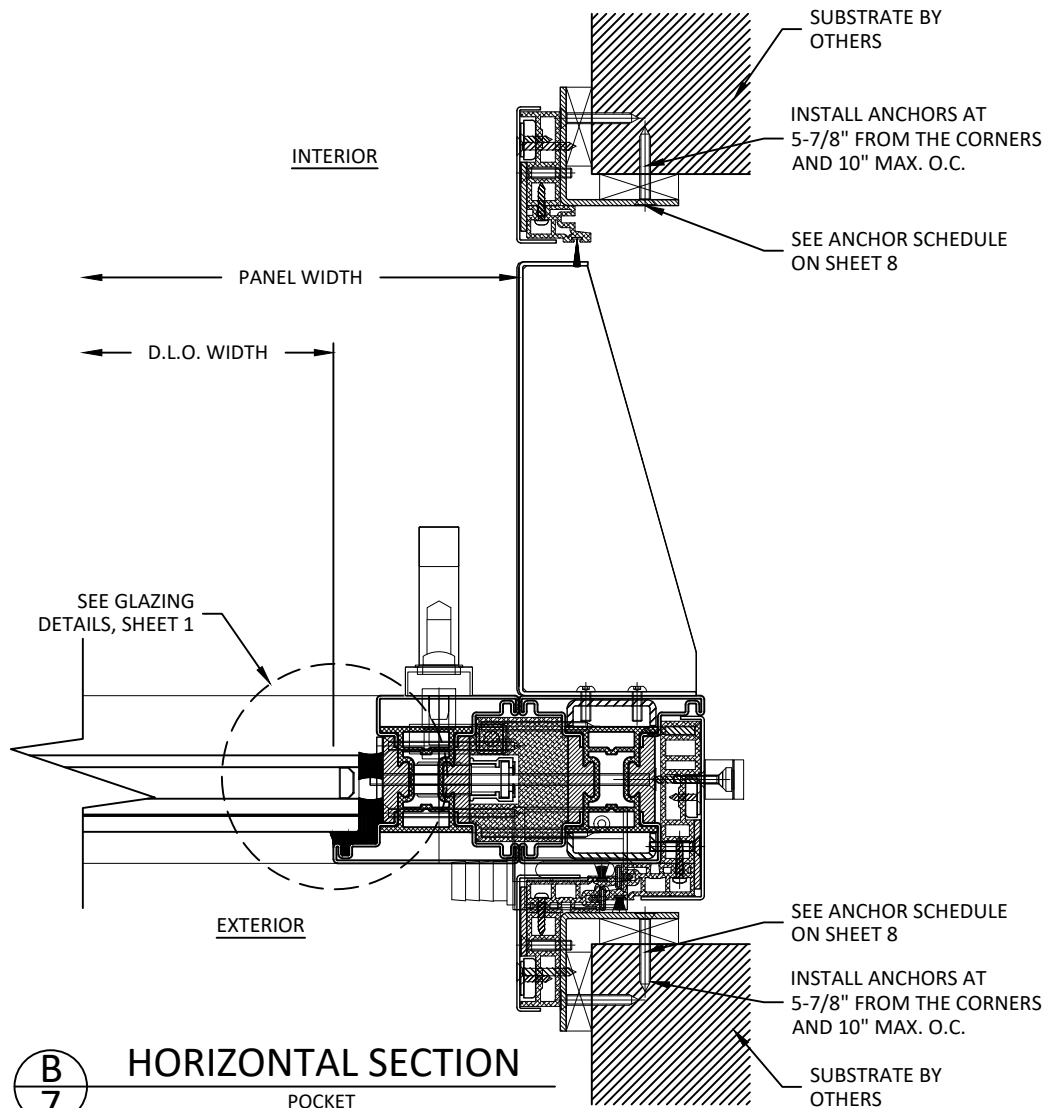
7

OF 10

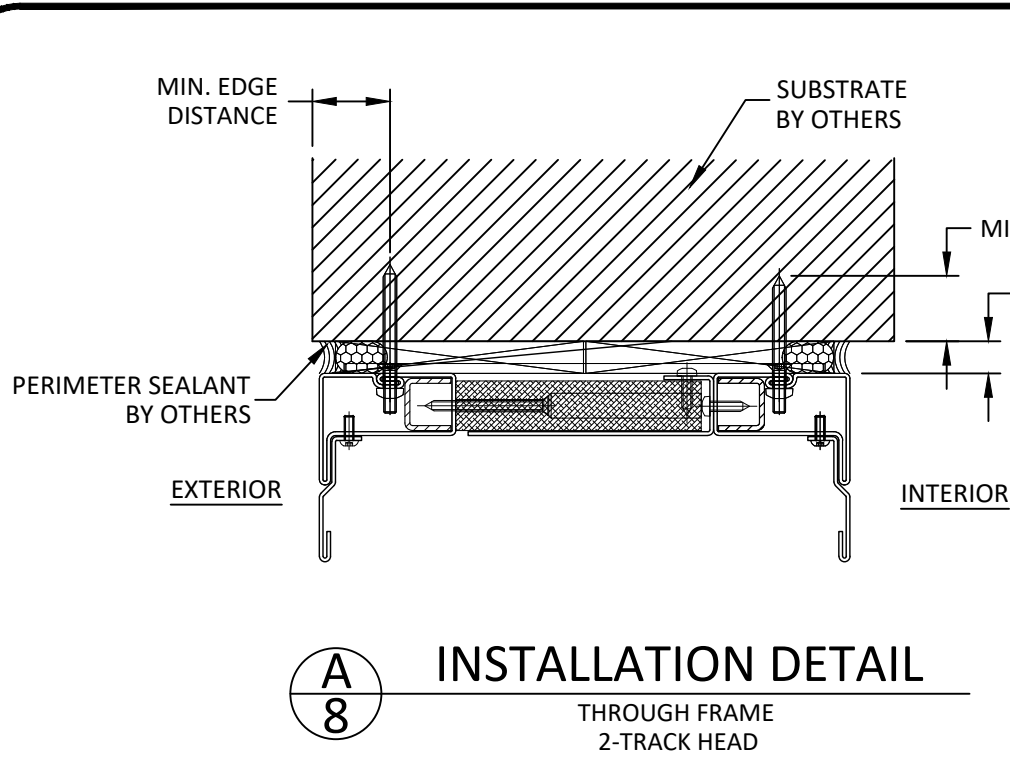


A
7
HORIZONTAL SECTION
3-TRACK JAMB
FIXED PANEL - INSIDE GLAZED

NOTE: OPERABLE 3-TRACK JAMB
SIMILAR.

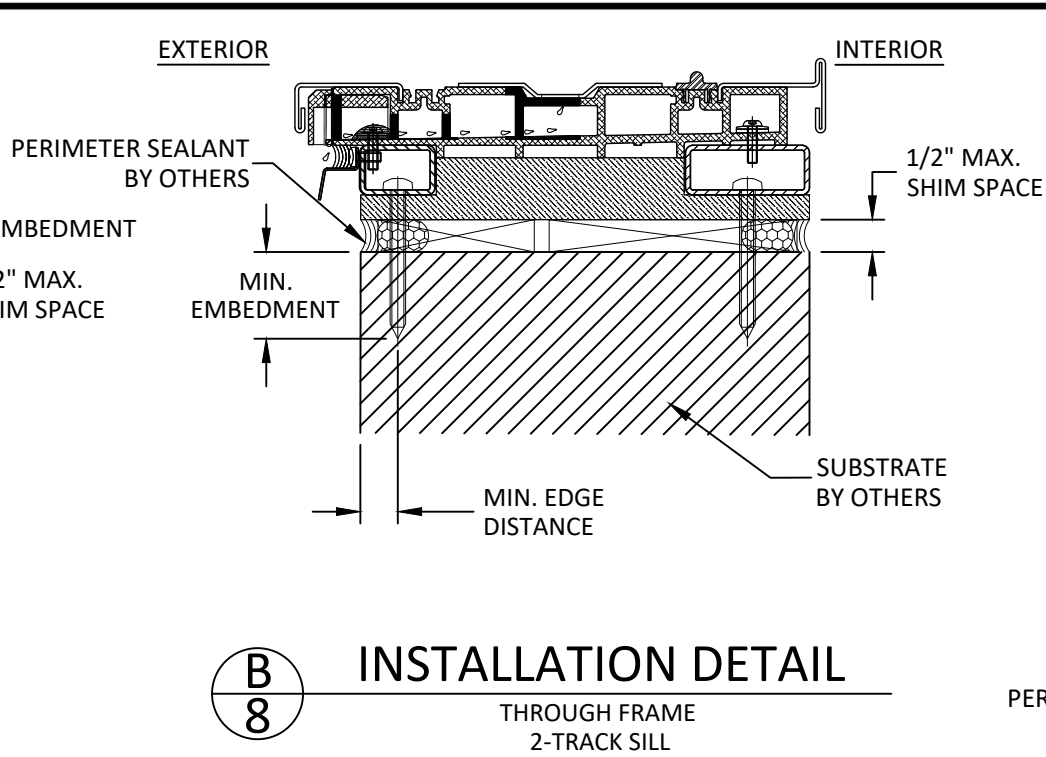


B
7
HORIZONTAL SECTION
POCKET
OPERABLE PANEL - INSIDE GLAZED



A
8 INSTALLATION DETAIL

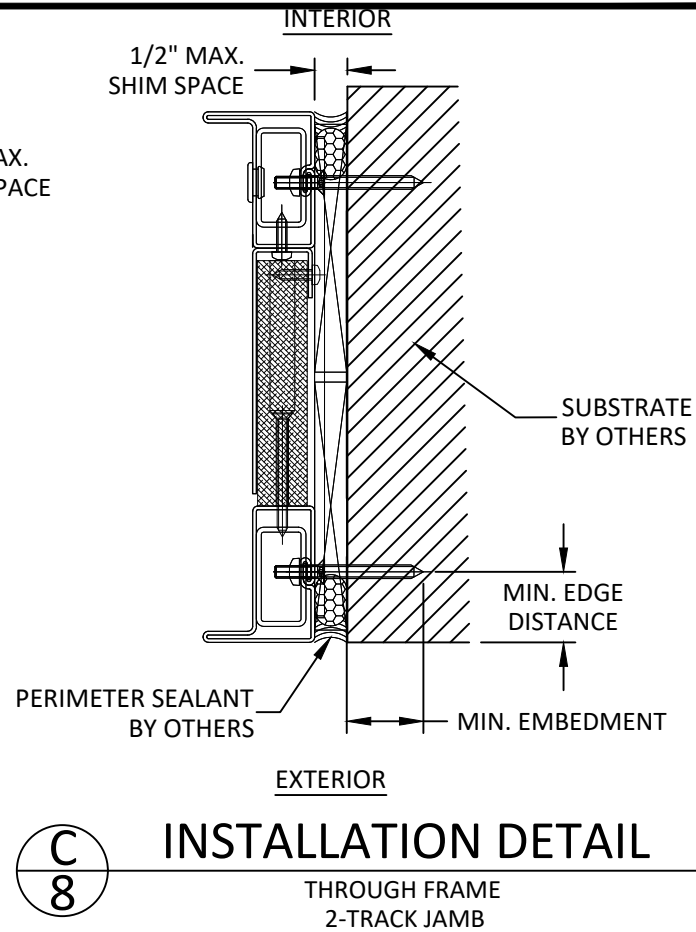
THROUGH FRAME
2-TRACK HEAD



B
8 INSTALLATION DETAIL

THROUGH FRAME
2-TRACK SILL

NOTE: 3-TRACK STANDARD SILL
SIMILAR.



C
8 INSTALLATION DETAIL

THROUGH FRAME
2-TRACK JAMB

INSTALLATION NOTES:

- TWO (2) INSTALLATION ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION IN SHEET 3.
- 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 HIGH DENSITY PLASTIC 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				
METHOD	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	WOOD: MIN. S.G. = 0.55	#12 WOOD SCREW	1.5"	1"
	STEEL: MIN. 16 GA. MIN. Fy = 33 ksi	#12 GRADE 5 SELF-DRILLING/ SELF-TAPPING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.5"
	ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5			
	CONCRETE: MIN. f'c = 3000 psi	1/4" ITW TAPCON	1.5"	2"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI		1"	2"

BROMBAL
LUXURY METAL WINDOWS AND DOORS

VIA VALLÀ 24
CASELLE DI ALTIVOLE, ITALY 31030
PH: +39-0423 566189

TITLE: ALFA 85 LIFT & SLIDE DOOR
(HVHZ) (IMPACT)

INSTALLATION DETAILS & NOTES

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



REMARKS	BY	DATE
6-PANEL ADDITION	SH	11.18.24
2026 FBC UPDATE	LS	07/26

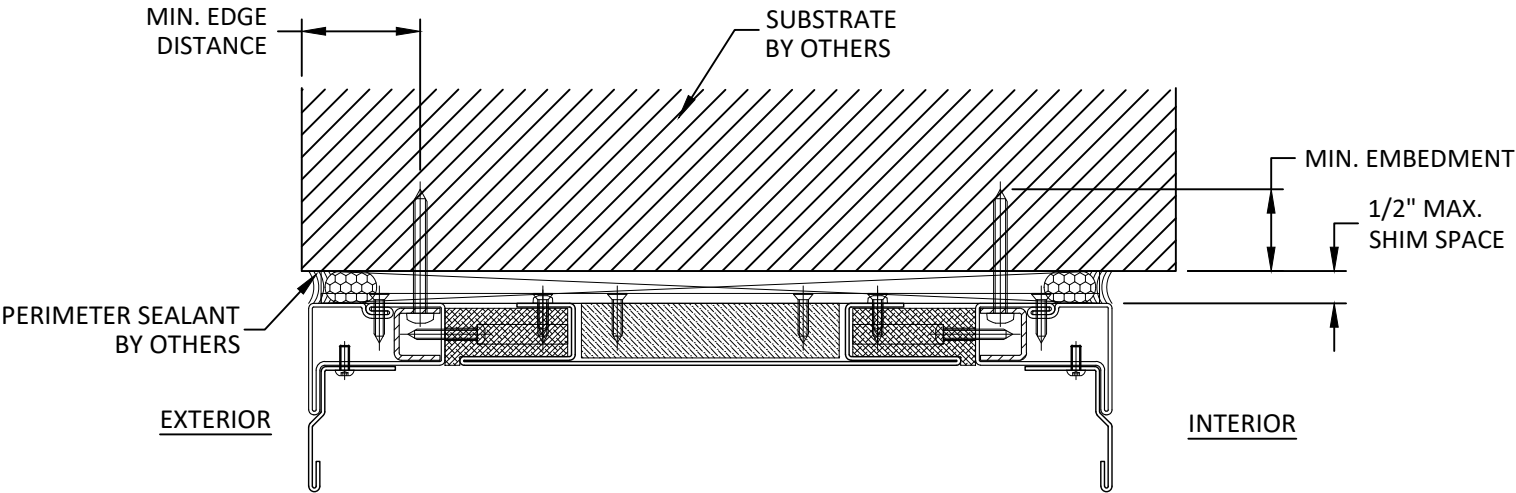
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



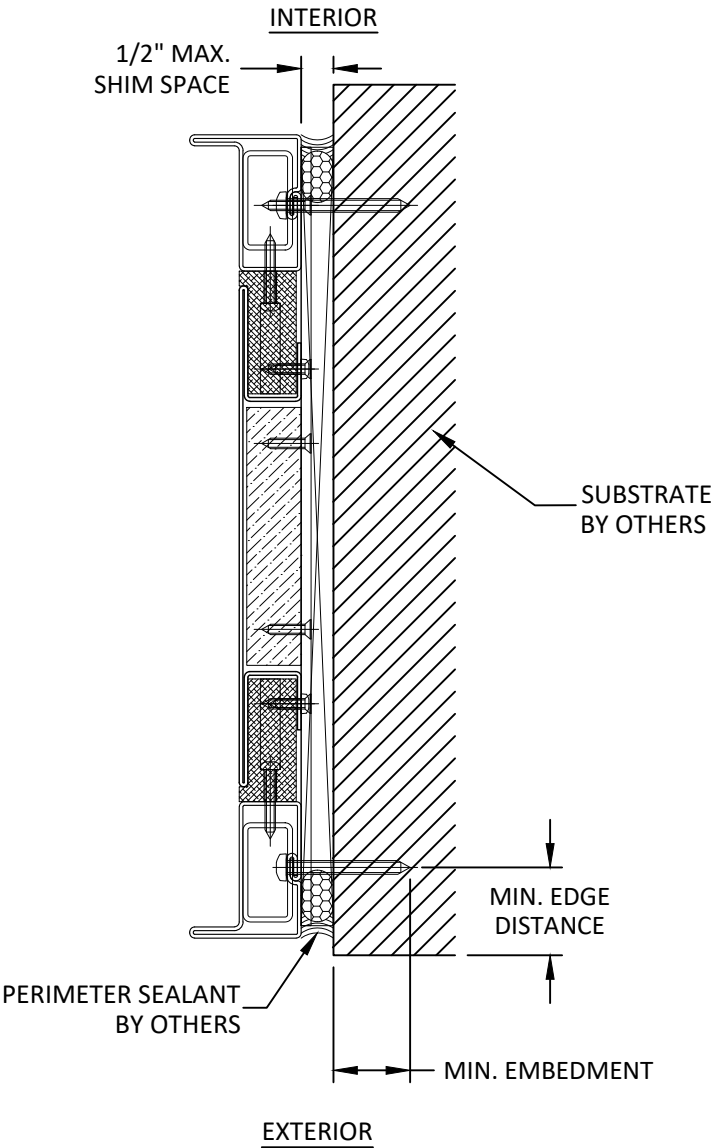
FL43908

DATE:	10/16/23
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	BRB015
SHEET:	8

REV.
B



A
9 **INSTALLATION DETAIL**
THROUGH FRAME
3-TRACK HEAD



B
9 **INSTALLATION DETAIL**
THROUGH FRAME
3-TRACK JAMB

BROMBAL
LUXURY METAL WINDOWS AND DOORS

VIA VALLÀ 24
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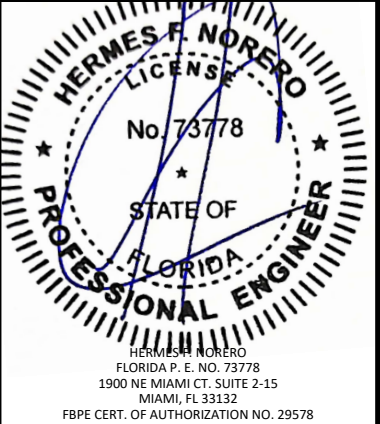
TITLE: **ALFA 85 LIFT & SLIDE DOOR
(HVHZ) (IMPACT)**
**INSTALLATION DETAILS
CONTINUED**

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REMARKS	BY	DATE
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DATE: **10/16/23**

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MS

CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **BRB015**

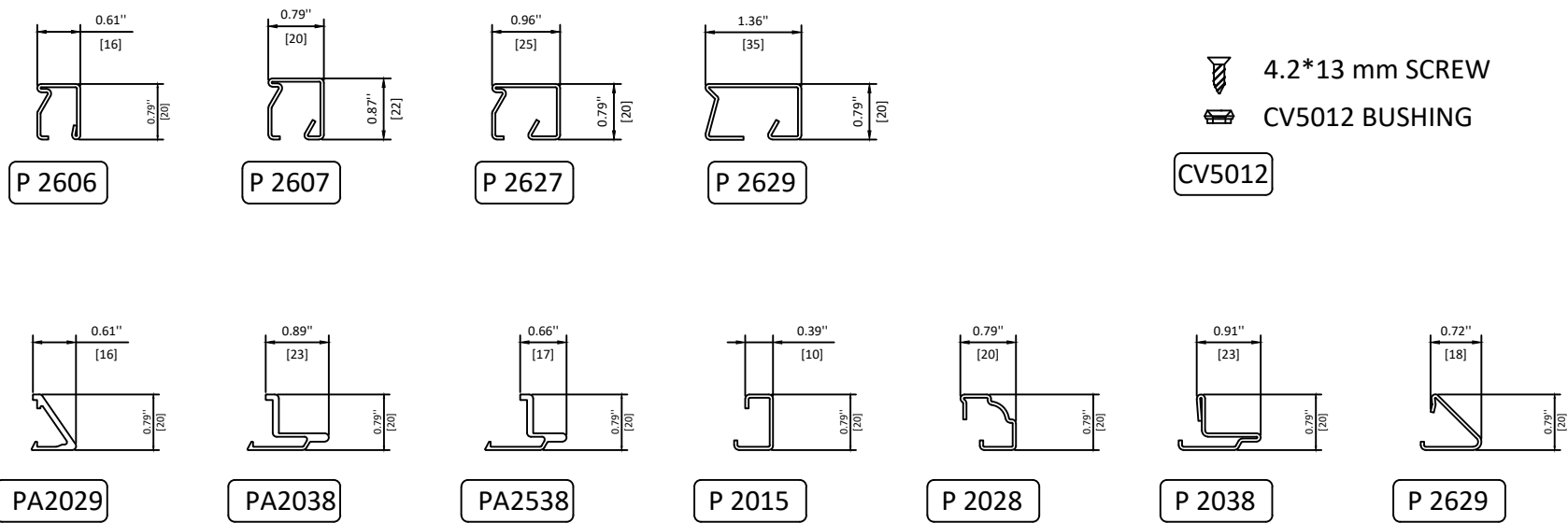
SHEET:

REV.
B

9

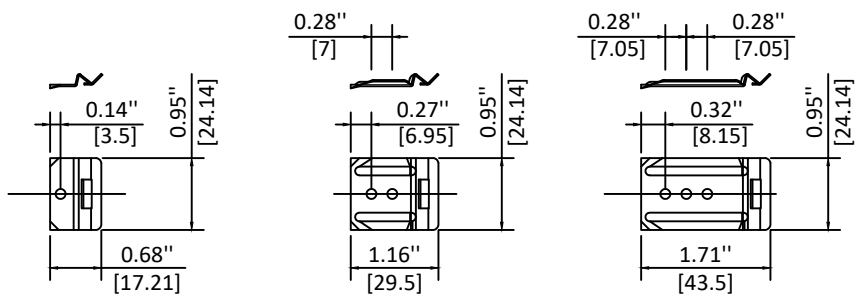
OF 10

APPROVED GLAZING BEAD PROFILE OPTIONS



GLAZING BEAD NOTES:
GLAZING BEADS MAY BE FASTENED USING THE GLAZING BEAD CLIPS SHOWN WITH 3.9 X 9.5 MM SCREWS, GLAZING BEAD BUSHING CV5012 WITH 4.2*13 SCREWS, ADHESIVE, OR DOUBLE SIDED TAPE FOLLOWING MANUFACTURER'S SUGGESTED ASSEMBLY METHODS.

GLAZING BEAD CLIP DETAIL



BROMBAL
LUXURY METAL WINDOWS AND DOORS

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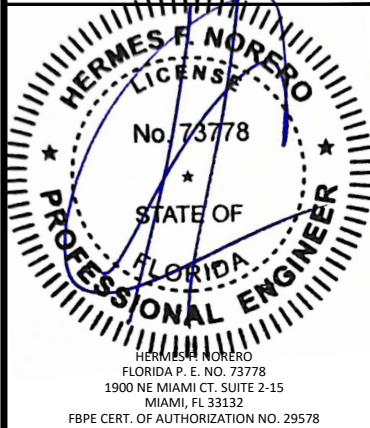
GLAZING BEAD OPTIONS

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SHEET: 10	REV. B