

SHWINCO ARCHITECTURAL PRODUCTS, LLC

SERIES 9700/9750 SLIDING GLASS DOOR

(NON-HVHZ)(NON-IMPACT)

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC) **EXCLUDING** HVHZ. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-17
 - ASTM E283-04(12)
 - ASTM E330-14(21)
 - ASTM E331-00(23)
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 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.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/4 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- 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.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- FRAME MATERIAL: PVC
- GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 3 FOR GLAZING DETAIL.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES
2	ELEVATION AND ANCHOR LAYOUT
3	GLAZING DETAIL AND DESIGN PRESSURE TABLES
4	QUALIFIED CONFIGURATIONS
5	VERTICAL SECTIONS
6	VERTICAL SECTION
7	HORIZONTAL SECTIONS
8	ANCHOR DETAILS
9	INSTALLATION NOTES
10	BILL OF MATERIALS AND COMPONENTS
11	COMPONENTS

DESIGN PRESSURE RATING		
PANEL SIZE	DESIGN PRESSURE	MISSILE RATING
SEE SHEETS 2 & 3		NON-IMPACT



171 JET SERVICES WAY
DOTHAN, AL 36303
PH: (855) 611-8889
EMAIL: INFO@SHWINCO.COM

TITLE: SERIES 9700/9750 SLIDING GLASS DOOR (NON-HVHZ)(NON-IMPACT)

GENERAL NOTES

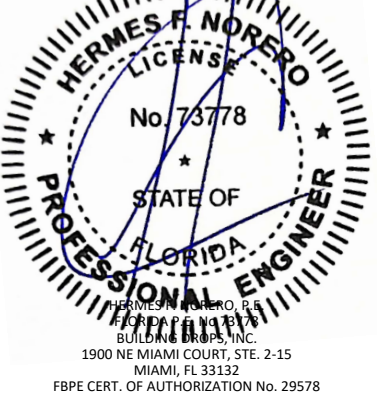
PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.03.06 11:11:03 -03'00'



FL #:
FL12519

DATE: **06.03.26**

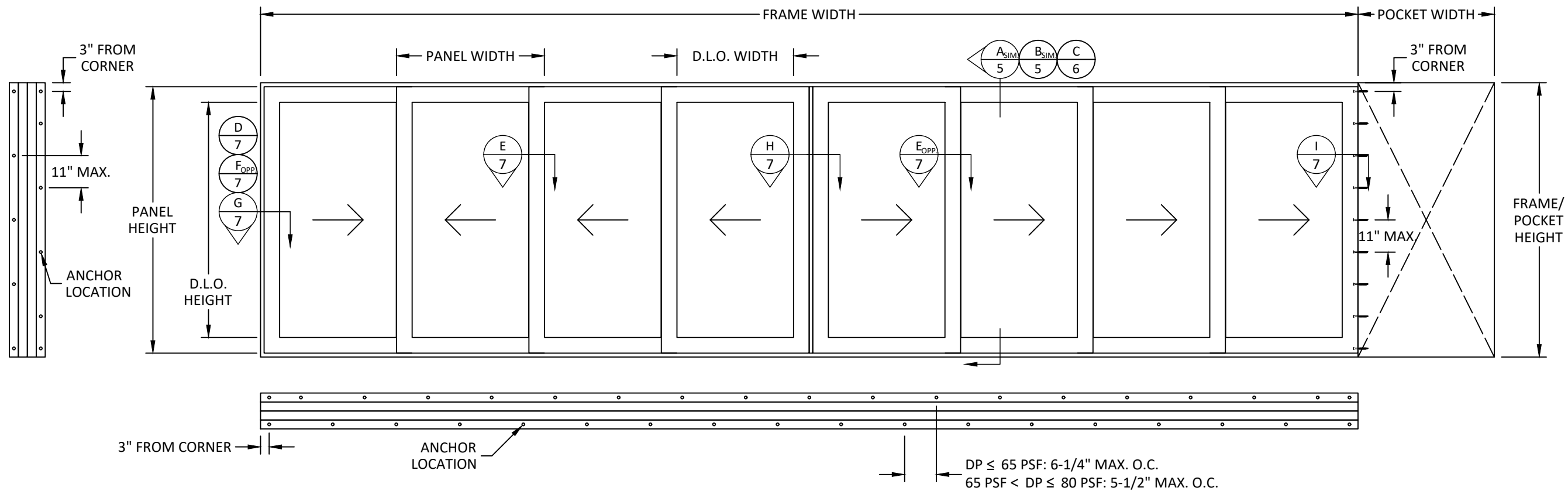
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SCALE: **NTS**

DWG. #: **SWD076**

SHEET:
1
OF 11

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ELEVATION & ANCHOR LAYOUT

NOTE: SEE SHEET 3 FOR PANEL SIZES AND DESIGN PRESSURE TABLES.

SIZES:
D.L.O. WIDTH = PANEL WIDTH - 10.87"
D.L.O. HEIGHT = PANEL HEIGHT - 10.87"
POCKET WIDTH = PANEL WIDTH + 6"
POCKET HEIGHT = PANEL HEIGHT + 2.75"
FRAME HEIGHT = PANEL HEIGHT + 2.75"
FOR (0) ASTRAGAL, (0) POCKET JAMB:
FRAME WIDTH = (PANEL QTY.)*(PANEL WIDTH-5.35") + 7.22"
FOR (0) ASTRAGAL, (1) POCKET JAMB:
FRAME WIDTH = (PANEL QTY.)*(PANEL WIDTH-5.35") + 6.37"
FOR (0) ASTRAGAL, (2) POCKET JAMBS:
FRAME WIDTH = (PANEL QTY.)*(PANEL WIDTH-5.35") + 5.52"
FOR (1) ASTRAGAL, (0) POCKET JAMB:
FRAME WIDTH = (PANEL QTY.)*(PANEL WIDTH-5.35") + 15.15"
FOR (1) ASTRAGAL, (1) POCKET JAMB:
FRAME WIDTH = (PANEL QTY.)*(PANEL WIDTH-5.35") + 14.3"
FOR (1) ASTRAGAL, (2) POCKET JAMBS:
FRAME WIDTH = (PANEL QTY.)*(PANEL WIDTH-5.35") + 13.45"



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ELEVATION & ANCHOR LAYOUT

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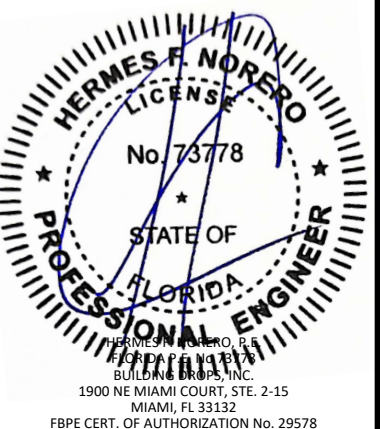
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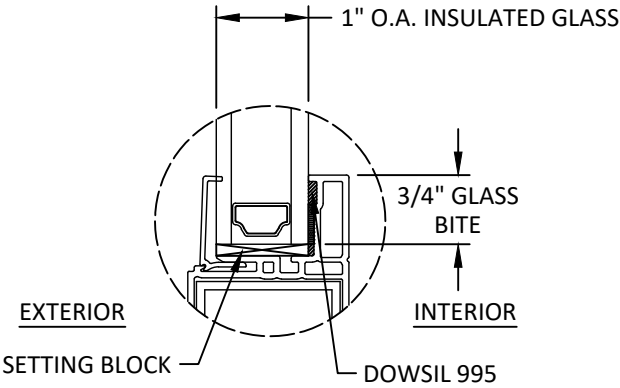


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SCALE:	NTS
DWG. #:	SWD076
SHEET:	2

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DESIGN PRESSURE TABLE (PSF)			
NOMINAL DIMS.		POS.	NEG.
PANEL WIDTH (IN.)	PANEL HEIGHT (IN.)		
24	78	70.0	80.0
30		70.0	80.0
36		68.0	77.7
42		65.0	68.8
48		65.0	65.0
54		65.0	65.0
60		62.6	62.6
66		60.7	60.7
72		60.0	60.0
24	84	70.0	80.0
30		65.0	72.1
36		65.0	65.0
42		65.0	65.0
48		62.6	62.6
54		60.0	60.0
60		60.0	60.0
66		60.0	60.0
72		58.9	58.9
24	93.25	65.0	65.0
30		65.0	65.0
36		65.0	65.0
42		60.0	60.0
48		60.0	60.0
49.5		60.0	60.0
54		56.1	56.1
60		52.0	52.0
66		48.9	48.9
24	96	65.0	65.0
30		65.0	65.0
36		61.0	61.0
42		60.0	60.0
48		56.0	56.0
54		51.2	51.2
60		47.5	47.5
66		44.8	44.8
24	108	61.9	61.9
30		58.5	58.5
36		49.5	49.5
42		43.1	43.1
48		38.4	38.4
54		34.9	34.9
60		32.2	32.2
24	120	52.5	52.5
30		42.4	42.4
36		35.7	35.7
42		31.1	31.1
48		27.6	27.6
54		25.0	25.0

- NOTES:
- ASTRAGAL IS LIMITED TO A DESIGN PRESSURE OF +/- 65 PSF.
 - POCKET IS LIMITED TO A DESIGN PRESSURE OF +/- 50 PSF.



GLAZING DETAIL

- GLAZING NOTES:
1. GLASS TYPE & THICKNESS SHALL COMPLY 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 DESIGN PRESSURE TABLES.



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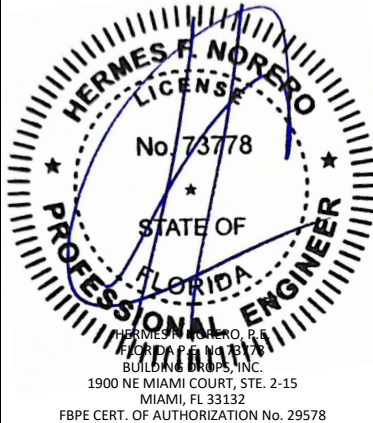
TITLE: SERIES 9700/9750 SLIDING GLASS DOOR (NON-HVHZ)(NON-IMPACT) GLAZING DETAIL & DESIGN PRESSURE TABLES

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MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

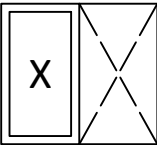
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OF 11

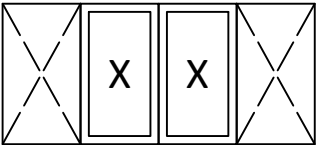
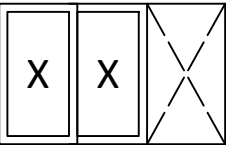
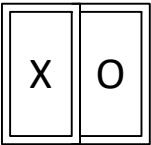
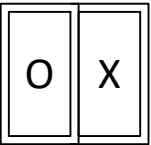
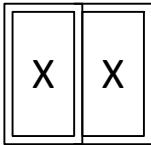
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QUALIFIED CONFIGURATIONS

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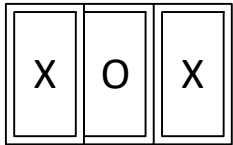
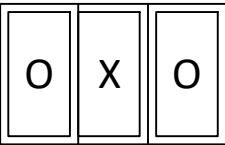
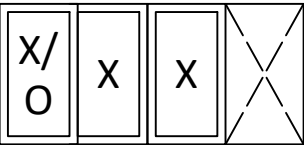
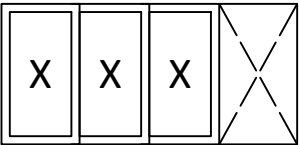
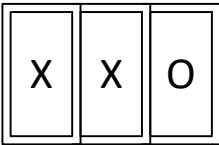
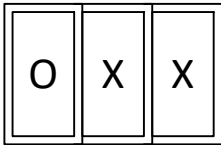
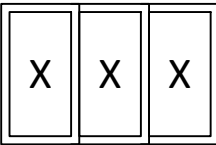


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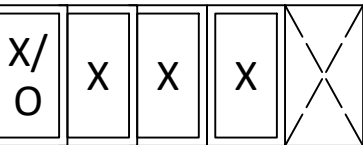
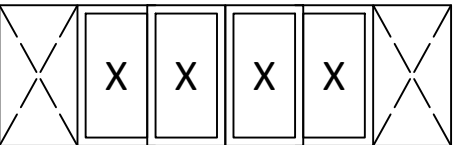
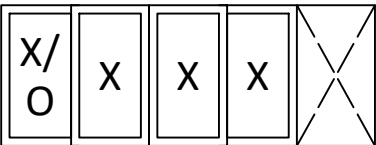
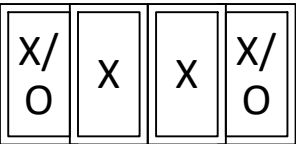
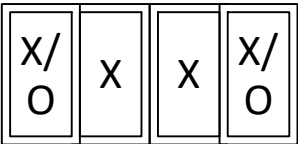
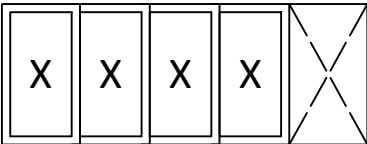
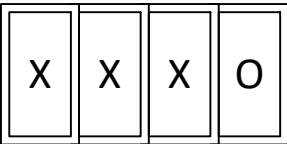
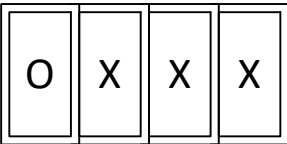
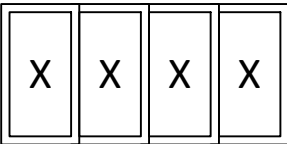


NOTE:
QUALIFIED CONFIGURATIONS MAY BE MIRRORED.

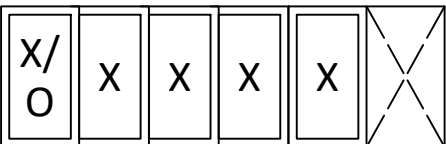
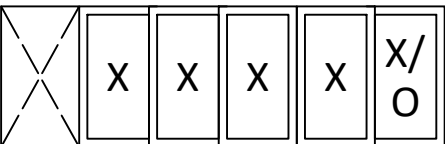
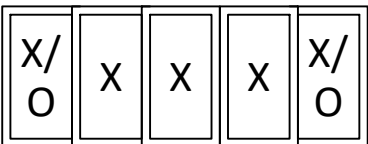
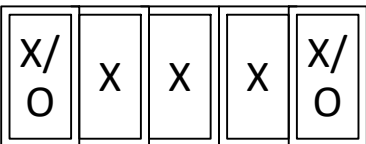
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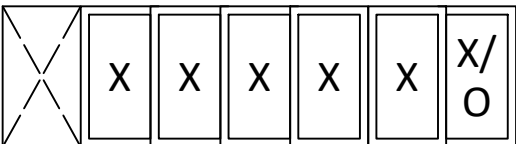
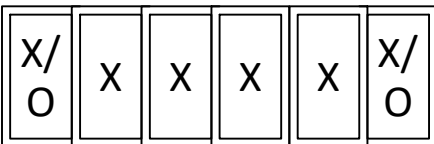
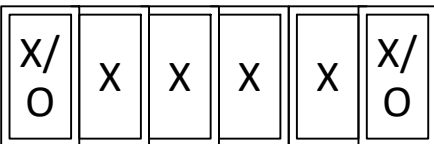
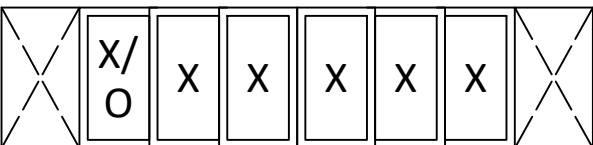
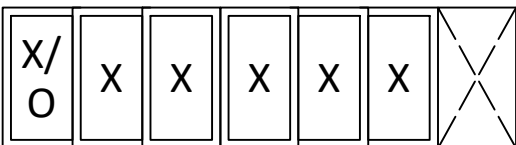
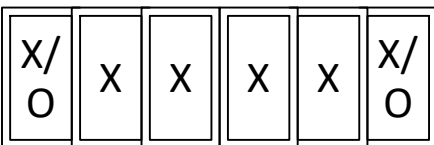
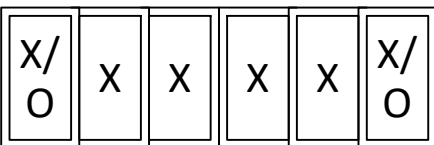
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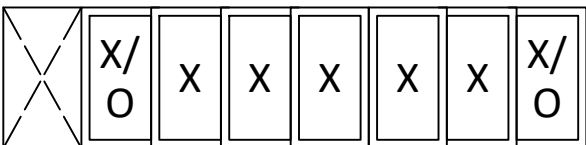
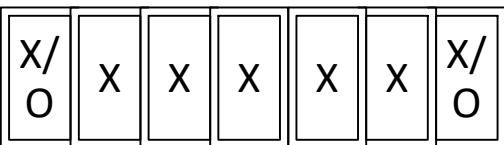
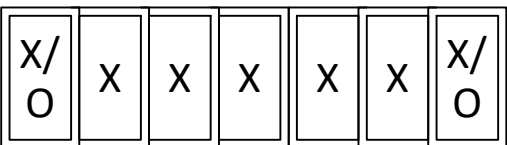
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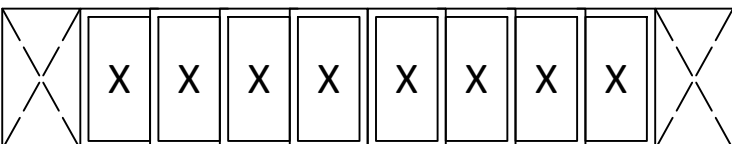
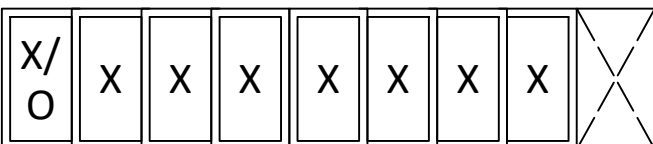
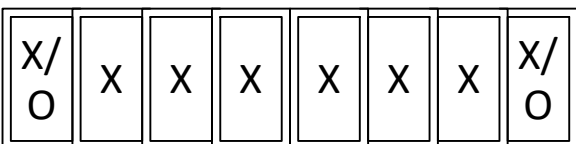
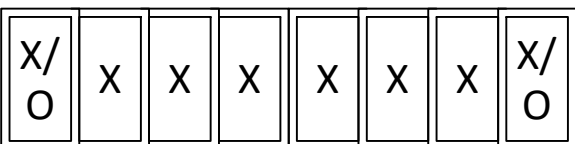
6 PANEL:



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8 PANEL:



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QUALIFIED CONFIGURATIONS

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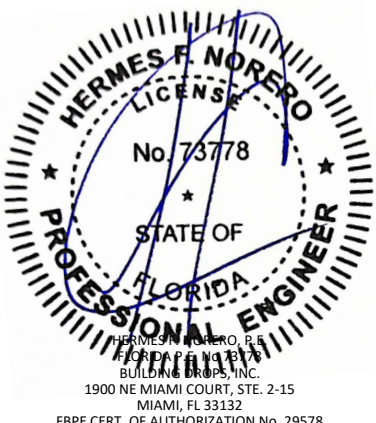
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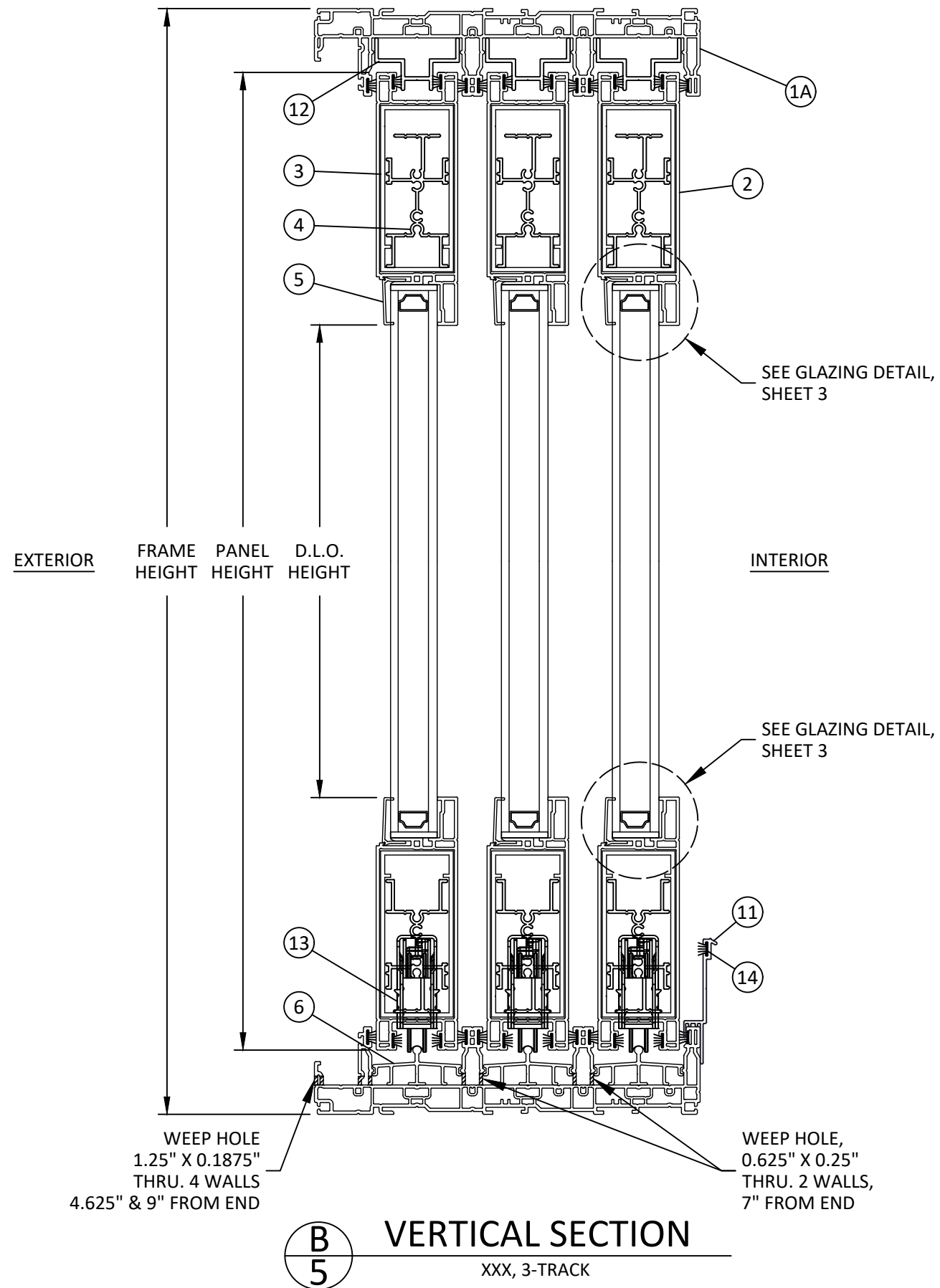
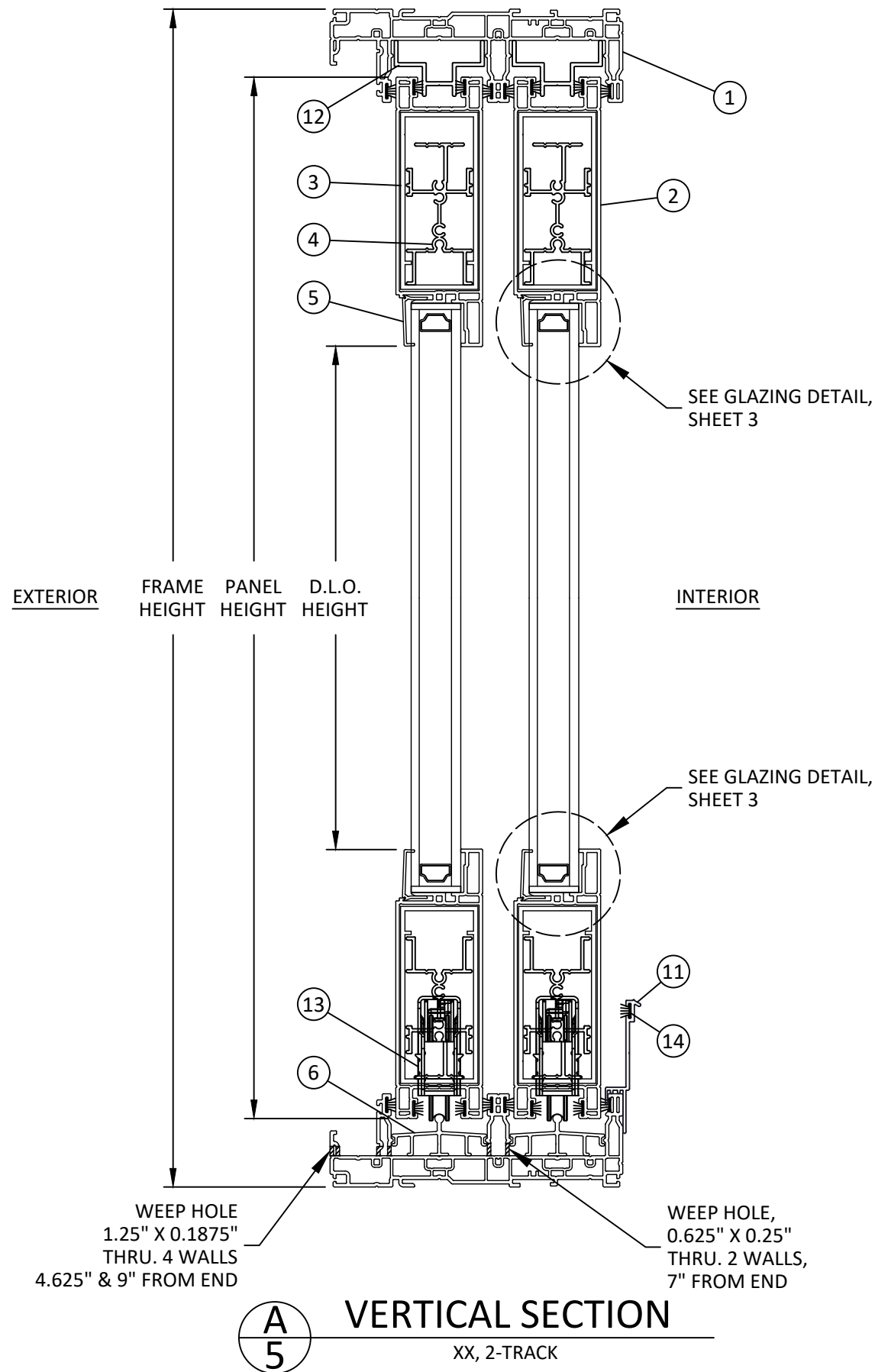
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VERTICAL SECTIONS

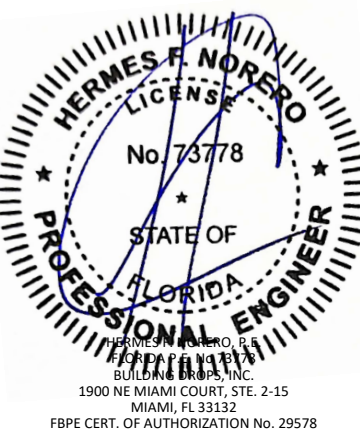
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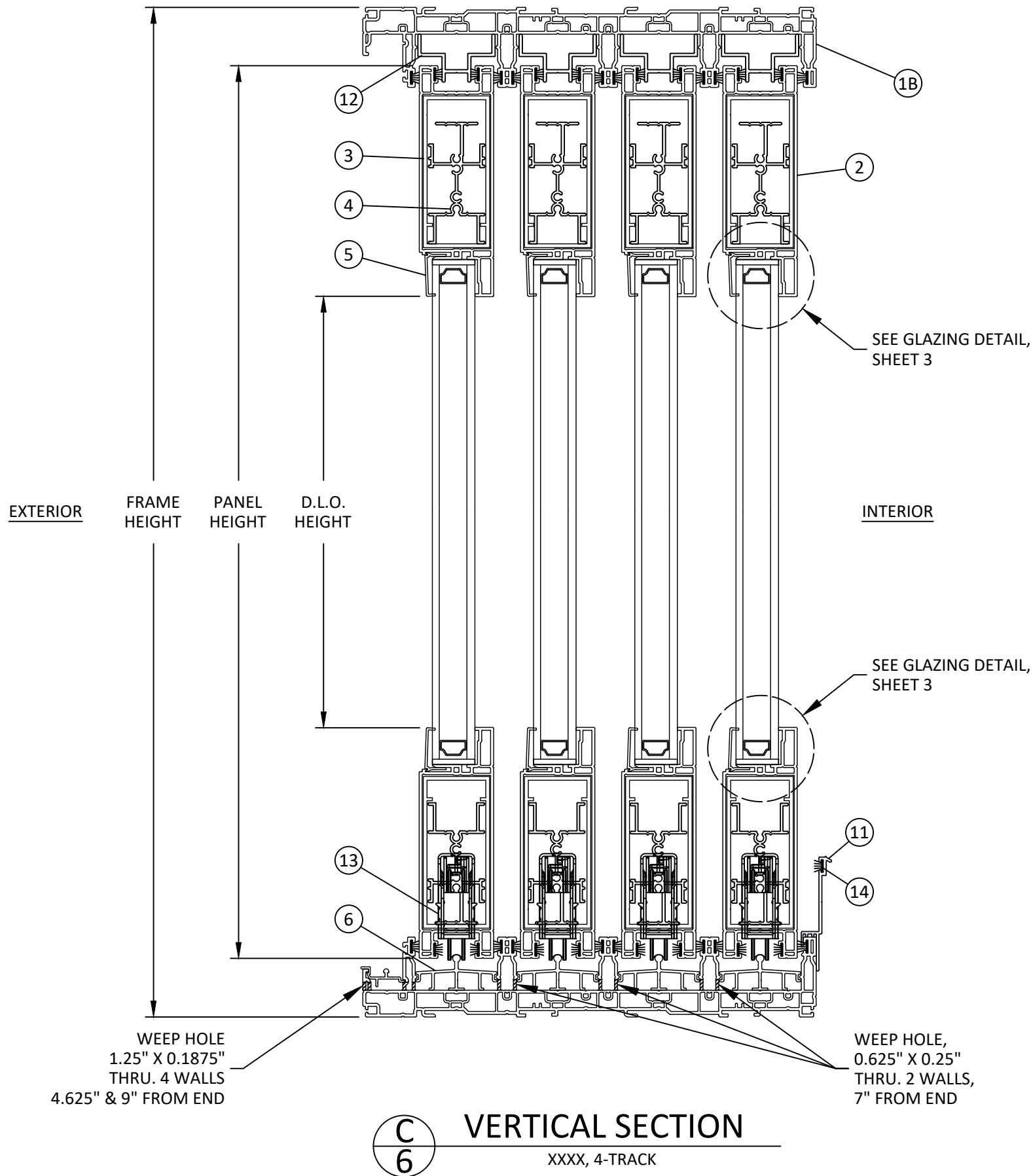
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DATE:	06.03.26
DWG. BY:	DB
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	SWD076
SHEET:	5

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171 JET SERVICES WAY
DOTHAN, AL 36303
PH: (855) 611-8889
EMAIL: INFO@SHWINCO.COM

TITLE: SERIES 9700/9750 SLIDING
GLASS DOOR
(NON-HVHZ)(NON-IMPACT)

VERTICAL SECTION

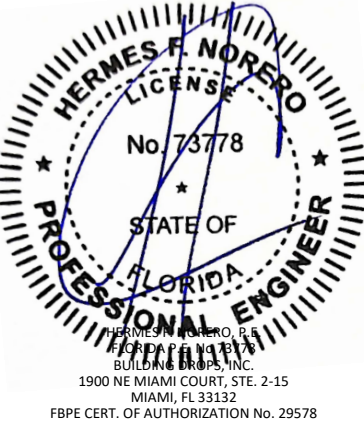
PREPARED BY: BUILDING DROPS, INC.

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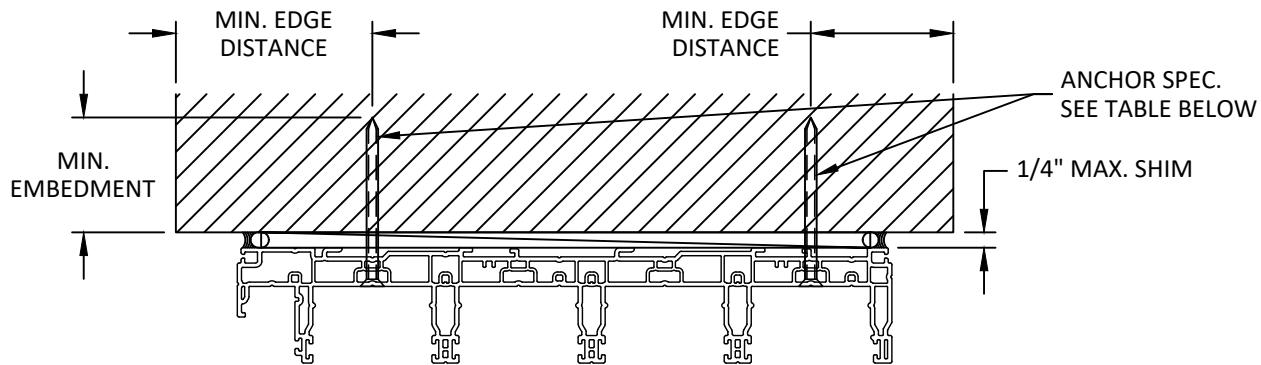


THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERAL IN NATURE AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC PROJECT OR SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED PROFESSIONAL ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC INSTALLATION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

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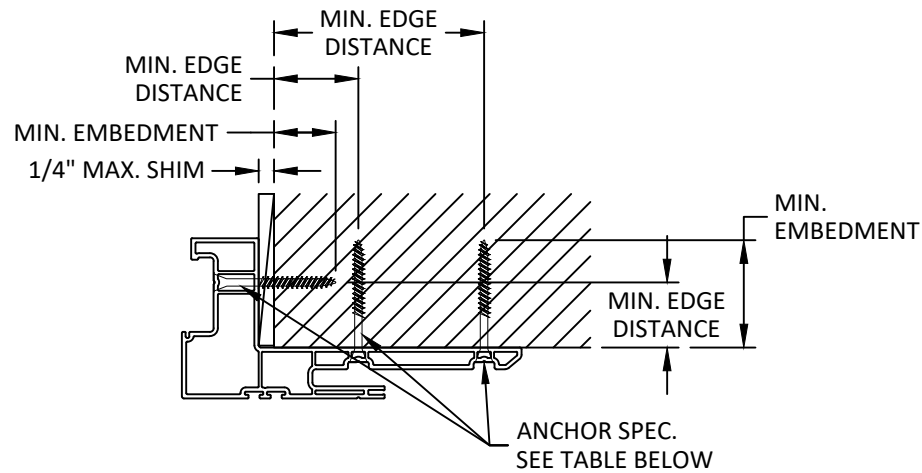


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A
8 **ANCHOR DETAIL**
DOOR HEAD

NOTE:
DOOR HEAD INSTALLATION SHOWN,
DOOR JAMB/SILL IS SIMILAR.
4-TRACK FRAME SHOWN,
2-TRACK & 3-TRACK FRAME ARE SIMILAR.



B
8 **ANCHOR DETAIL**
POCKET JAMB

ANCHOR SCHEDULE				
LOCATION	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
FOR HEAD, JAMBS, SILL AND POCKET JAMBS	WOOD: MIN. S.G. = 0.55	#10 WOOD SCREW OR #10 GRK R4 SS SCREW*	1.5"	1"
	STEEL: MIN. 18 GA. MIN. Fy = 36 ksi	#10 SELF-DRILLING SCREW OR #10 DEWALT BIFLEX SS*	3 THREADS MIN PENETRATION BEYOND METAL	0.5"
	ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5			
FOR HEAD, JAMBS, SILL	CONCRETE: MIN. f'c = 3000 psi	3/16" ITW TAPCON OR 3/16" CRETE-FLEX SS*	1"	2"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI			
FOR POCKET JAMBS	CONCRETE: MIN. f'c = 3000 psi	3/16" DEWALT ULTRA-CON+ OR 3/16" CRETE-FLEX SS*	1.75"	1"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI			



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TITLE: **SERIES 9700/9750 SLIDING
GLASS DOOR
(NON-HVHZ)(NON-IMPACT)**

ANCHOR DETAILS

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

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INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
3. 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.
4. 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.
5. 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.
6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

7.1. 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).

7.2. *FASTENERS INSTALLED WITHIN 300 FEET OF A SALTWATER COASTLINE IN EXTERIOR-PARTIALLY SHELTERED OR EXTERIOR-OPEN EXPOSED SPACES SHALL BE STAINLESS STEEL PER SECTION 1711.1.1.1 (ASTM A240 TYPE 304, A305, 316, OR 410)

7.3. CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED UNVENTED SPACES SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).

7.4. CONNECTORS AND METAL PLATES USED BETWEEN 300 AND 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED VENTED SPACES, EXTERIOR-PARTIALLY SHELTERED OR EXTERIOR-OPEN EXPOSED SPACES SHALL BE ENHANCED GALVANIZED PER SECTION 1711.1.2.2 (ASTM A653 G185, ASTM A123 AT 2.0 OZ/SF MIN, OR TPI 1 COATING).

7.5. *CONNECTORS AND METAL PLATES USED WITHIN 300 FEET OF A SALTWATER COASTLINE IN EXTERIOR-PARTIALLY SHELTERED OR EXTERIOR-OPEN EXPOSED SPACES SHALL BE STAINLESS STEEL PER SECTION 1711.1.2.1 (ASTM A240 TYPE 316).

7.6. FASTENERS USED WITH CONNECTORS OR METAL PLATES SHALL HAVE A CORROSION-RESISTANT COATING OR COMPOSITION COMPATIBLE WITH THAT OF THE CONNECTOR/PLATE TO PREVENT GALVANIC CORROSION BETWEEN DISSIMILAR MATERIALS (SECTION 1711.1.1.3).
EXCEPTION: FASTENERS AND CONNECTORS FULLY EMBEDDED IN CONCRETE OR MORTAR ARE EXEMPT FROM NOTES 6 AND 7 (SECTION 1711.1).
8. 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.
9. 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.



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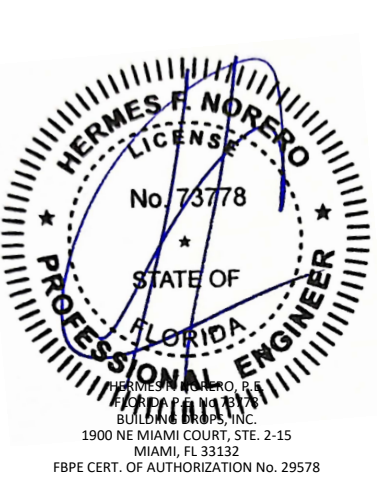
INSTALLATION NOTES

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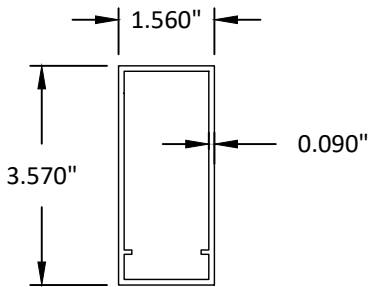
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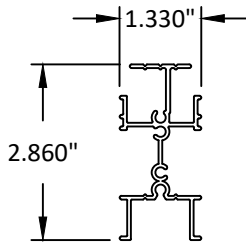
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BILL OF MATERIALS		
NO.	DESCRIPTION	MATERIAL
1	2-TRACK FRAME	.070" THICK PVC
1A	3-TRACK FRAME	.070" THICK PVC
1B	4-TRACK FRAME	.070" THICK PVC
2	PANEL	.070" THICK PVC
3	PANEL REINFORCEMENT	ALUM. 6005-T5
4	DOOR CORNER	.060" THICK ALUM. 6005-T5
5	GLAZING BEAD	.050" THICK PVC
6	DOOR TRACK	ALUM. 6005-T5
7	COVER	.070" THICK PVC
8	INTERLOCK	PVC
9	HOOK STRIP	.070" THICK PVC
10	HOOK STRIP FILLER	.060" THICK PVC
11	SILL RISER	.070" THICK ALUM. 6005-T5
12	HEAD BLOCK	ALUM. 6005-T5
13	NARROW TA-181 PLANOCENTRIC ROLLER ASSY	-
14	GASKET	-
16	INVOLUE LOCK - ASSA ABLOY	-
17	FRAME CORNER GASKET	-
18	KERF MOUNT BULB SEAL - AMESBURY	-
19	ASTRAGAL	.070" THICK PVC
20	ASTRAGAL REINFORCEMENT	ALUM. 6005-T5
21	ASTRAGAL REINFORCEMENT	ALUM. 6005-T5
22	ASTRAGAL CAP	.060" THICK PVC

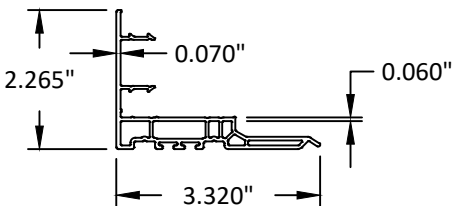
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ALUM. 6005-T5



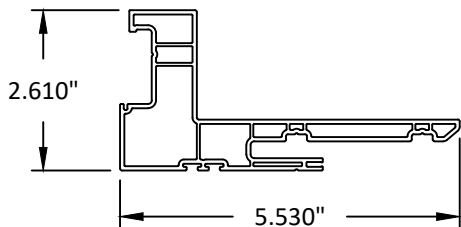
4 DOOR CORNER
.060" THICK 6005-T5



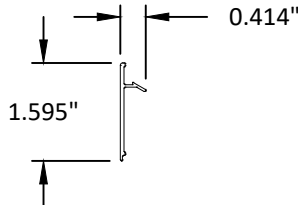
8 INTERLOCK
PVC



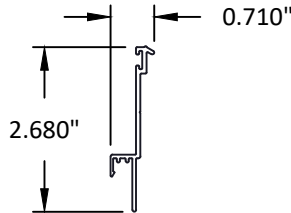
9 HOOK STRIP
.070" THICK PVC



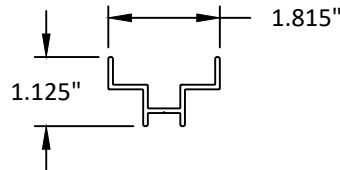
10 HOOK STRIP FILLER
.060" THICK PVC



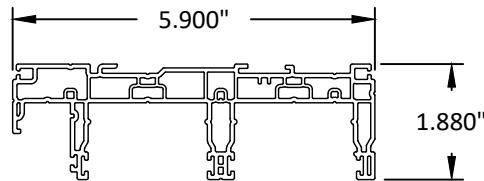
11 SILL RISER
.070" THICK ALUM.



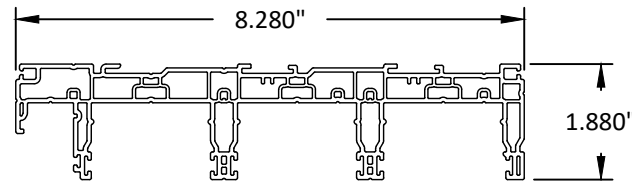
12 HEAD BLOCK
ALUM. 6005-T5



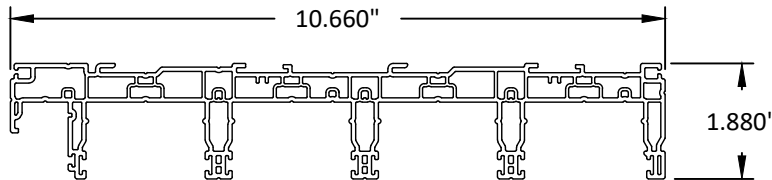
1 2-TRACK FRAME
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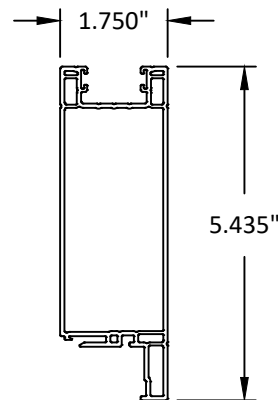
1A 3-TRACK FRAME
.070" THICK PVC



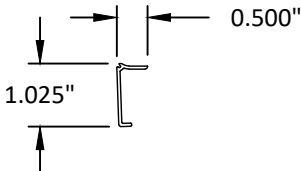
1B 4-TRACK FRAME
.070" THICK PVC



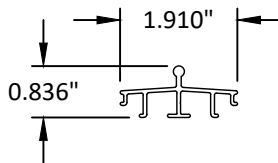
2 PANEL
.070" THICK PVC



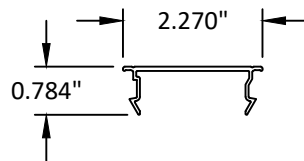
5 GLAZING BEAD
.050" THICK PVC



6 TRACK
ALUMINUM



7 COVER
.070" THICK PVC



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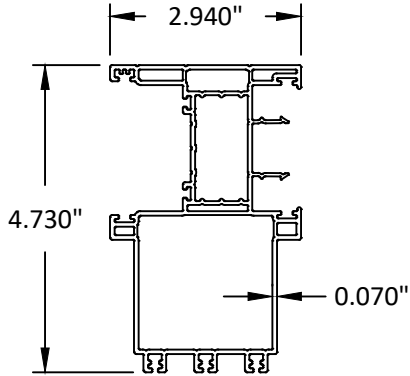
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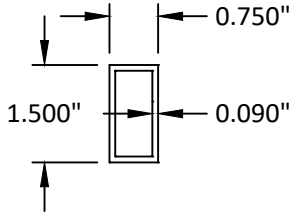
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ASTRAGAL
.070" THICK PVC



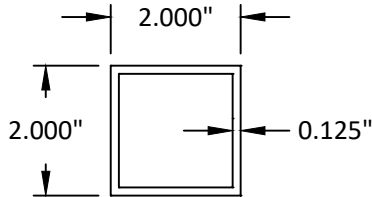
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ASTRAGAL REINFORCEMENT
ALUM. 6005-T5



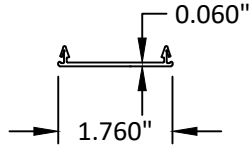
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ASTRAGAL REINFORCEMENT
ALUM. 6005-T5



22

ASTRAGAL CAP
.060" THICK PVC





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TITLE: SERIES 9700/9750 SLIDING GLASS DOOR (NON-HVHZ)(NON-IMPACT) COMPONENTS

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HERMES F. NORERO, P.E.

BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15

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FBPE CERT. OF AUTHORIZATION No. 29578

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