

SHWINCO ARCHITECTURAL PRODUCTS, LLC

SERIES 9750 VINYL SLIDING GLASS DOOR

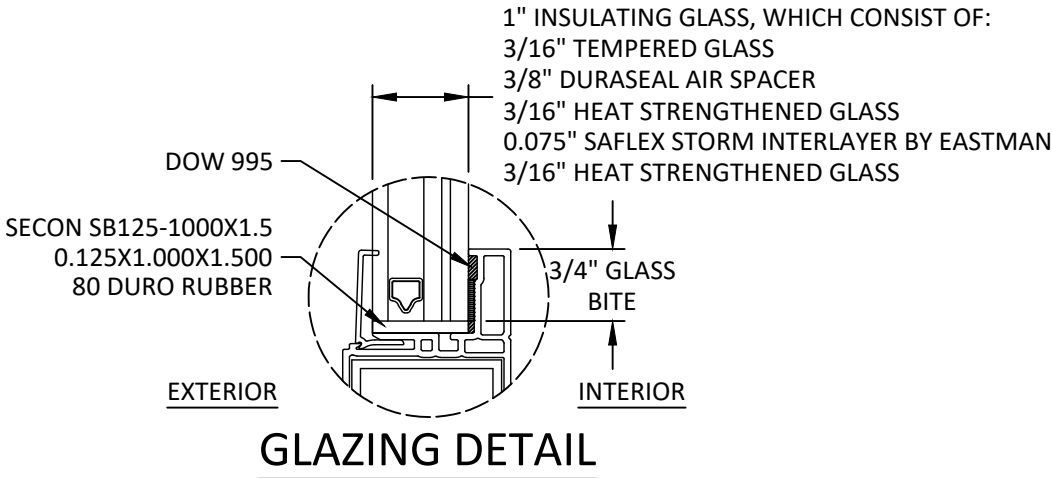
(WZ3) (IMPACT)

GENERAL NOTES:

1. 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/CAS 101/I.S.2/A440-17
 - ASTM E283-04(12)
 - ASTM E330-14
 - ASTM E331-00(09)
 - ASTM E1886-13a
 - ASTM E1996-17
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
2. 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.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/4 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.
5. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 3 OR LESS.
7. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 4.
8. FRAME MATERIAL: EXTRUDED RIGID PVC
9. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

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7	INSTALLATION DETAILS AND NOTES
8	BILL OF MATERIALS AND COMPONENTS
9	COMPONENTS

DESIGN PRESSURE RATING		
PANEL SIZE	DESIGN PRESSURE	MISSILE RATING
SEE SHEET 2		LARGE & SMALL MISSILE IMPACT



- GLAZING NOTES:
1. GLASS TYPE & THICKNESS 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.



171 JET SERVICES WAY
DOTHAN, AL 36303

TITLE: SERIES 9750 VINYL SLIDING GLASS DOOR (WZ3) (IMPACT)

GENERAL NOTES & GLAZING DETAILS

PREPARED BY:

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

BUILDING DROPS

REMARKS	BY	DATE
A. DP TABLE UPDATE	MS	03.14.2024
B. CONFIG. UPDATE	FB	12.16.2024

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2024.12.18 10:18:15 -05'00'

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

FL #:

FL42100

DATE:

05.10.2023

DWG. BY:

CHK. BY:

MS

HFN

SCALE:

NTS

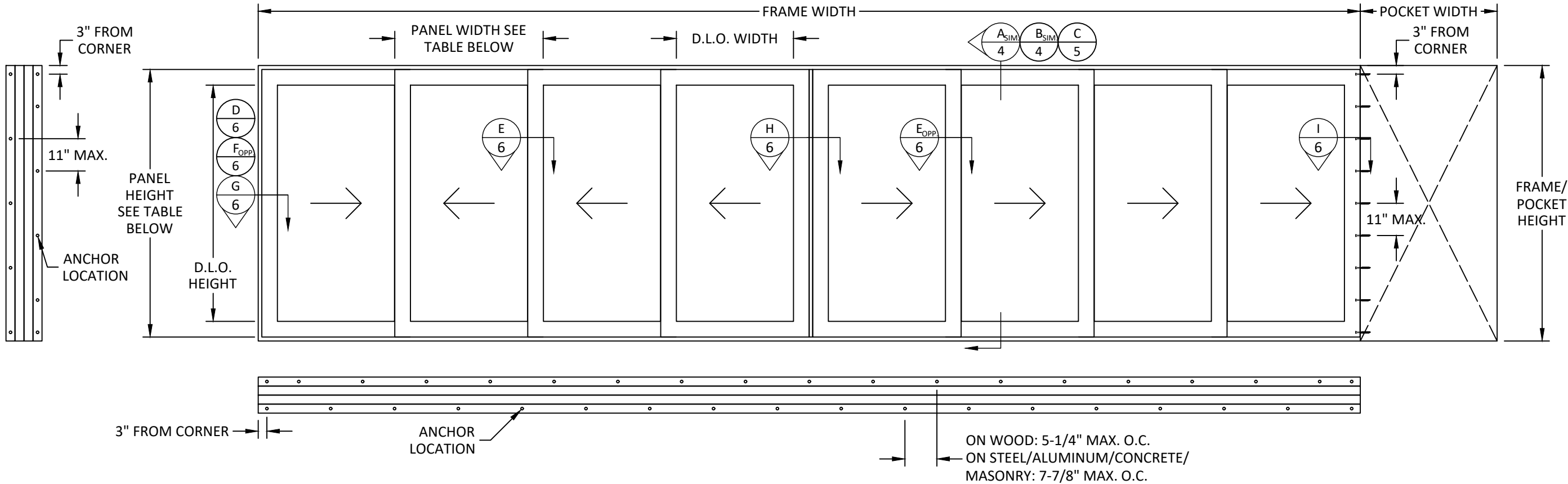
DWG. #:

SWD064

SHEET:

1

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TYPICAL ELEVATION & ANCHOR LAYOUT

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"

SERIES 9750 SLIDING DOOR DESIGN PRESSURE TABLE (WZ3)														
		PANEL WIDTH (IN.)												
		24	27	30	33	36	39	42	45	48	51.5	54	57	60
PANEL HEIGHT (IN.)	78	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	49.75	41.35
	81	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	44.04	-
	84	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	47.10	-	-
	87	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	47.10	-	-
	90	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	-	-	-
	92.75	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	-	-	-
	96	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	47.48	-	-	-	-
	99	50.00	50.00	50.00	50.00	50.00	50.00	48.58	45.60	-	-	-	-	-
	102	50.00	50.00	50.00	50.00	50.00	47.48	44.25	-	-	-	-	-	-
	105	50.00	50.00	50.00	50.00	46.94	43.40	-	-	-	-	-	-	-
	108	50.00	50.00	50.00	46.99	43.04	39.77	-	-	-	-	-	-	-
	111	50.00	50.00	47.69	43.21	39.57	-	-	-	-	-	-	-	-
	114	50.00	49.16	43.97	39.83	36.45	-	-	-	-	-	-	-	-
	117	50.00	45.44	40.63	36.79	-	-	-	-	-	-	-	-	-
	120	47.82	42.08	37.61	34.05	-	-	-	-	-	-	-	-	-



171 JET SERVICES WAY
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ELEVATION & ANCHOR LAYOUT

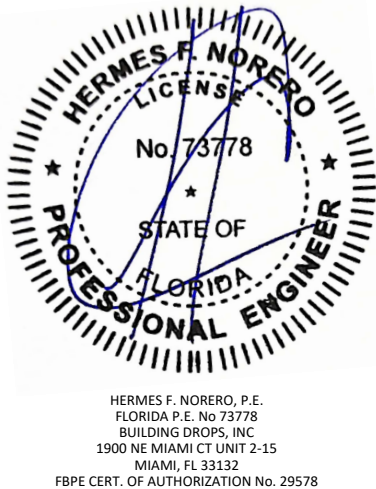
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DWG. BY:
MS

CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **SWD064**

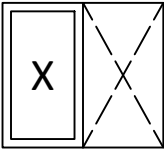
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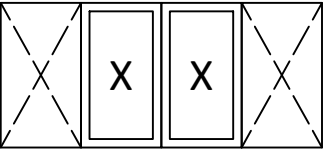
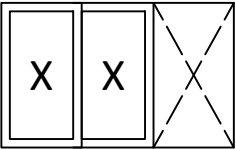
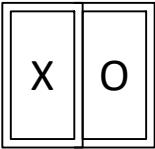
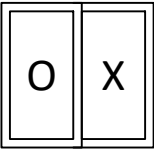
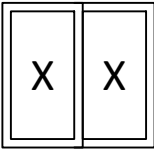
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QUALIFIED CONFIGURATIONS

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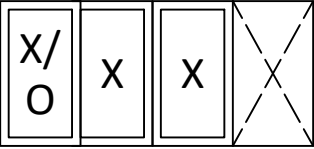
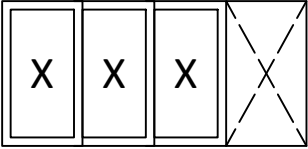
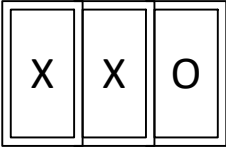
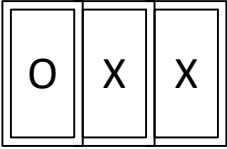
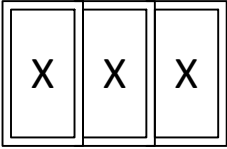


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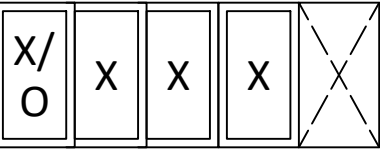
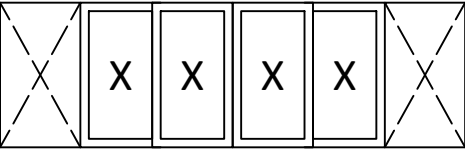
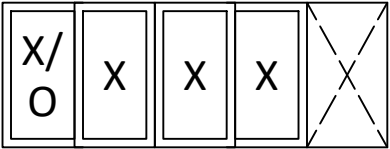
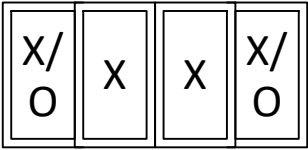
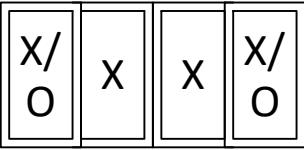
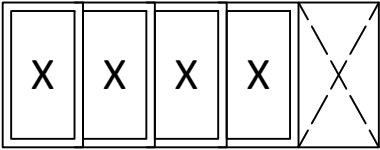
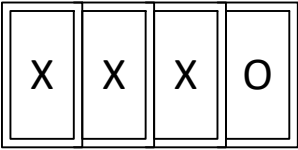
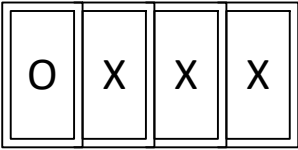
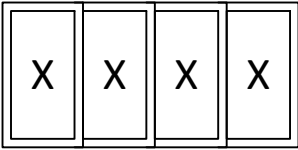


NOTE:
QUALIFIED CONFIGURATIONS MAY BE MIRRORED.

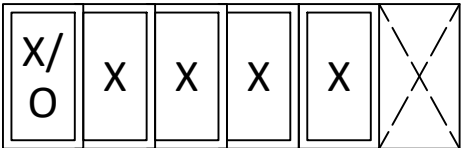
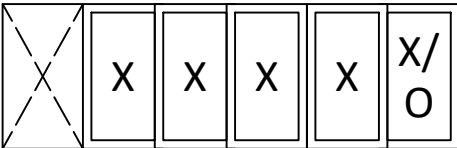
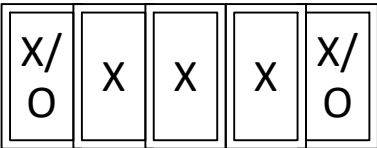
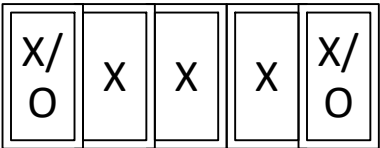
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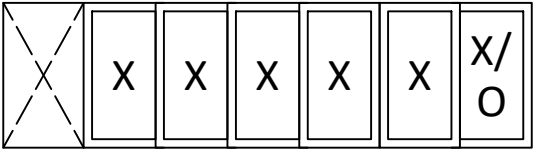
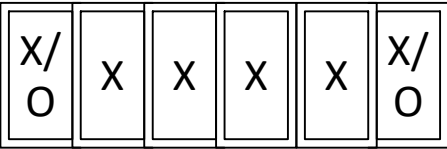
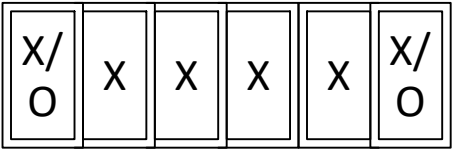
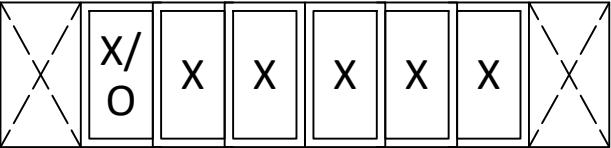
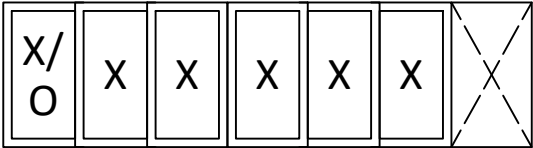
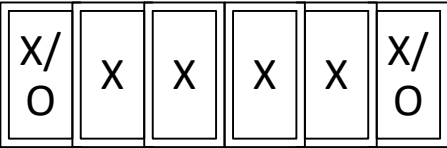
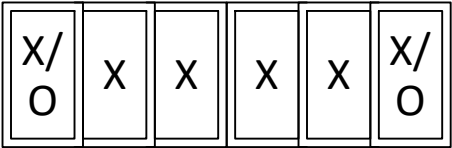
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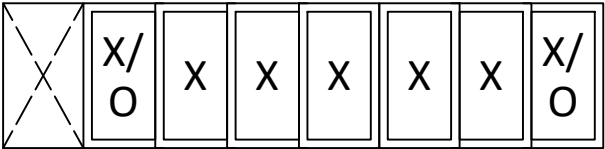
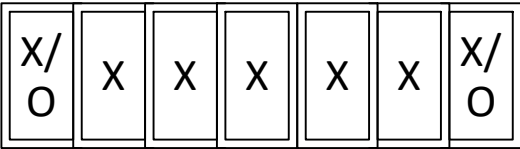
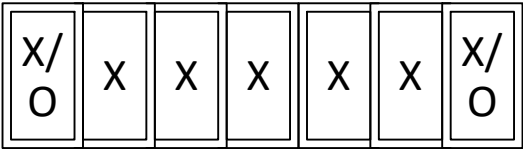
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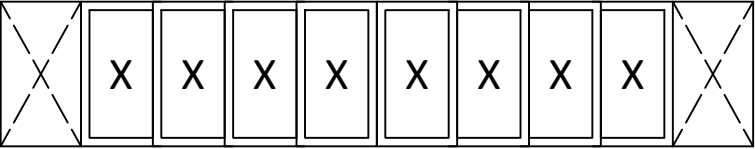
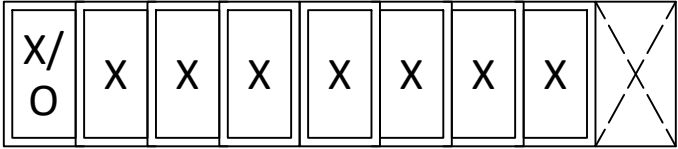
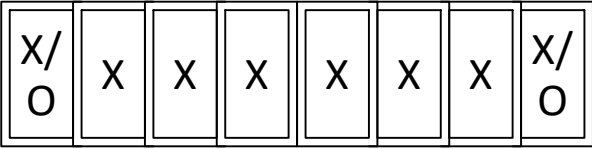
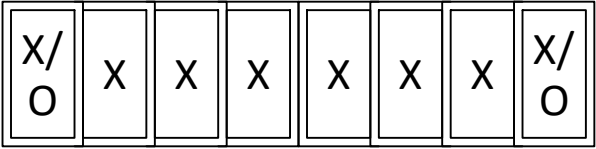
6 PANEL:



7 PANEL:



8 PANEL:



171 JET SERVICES WAY
DOTHAN, AL 36303

TITLE: SERIES 9750 VINYL SLIDING
GLASS DOOR
(WZ3) (IMPACT)

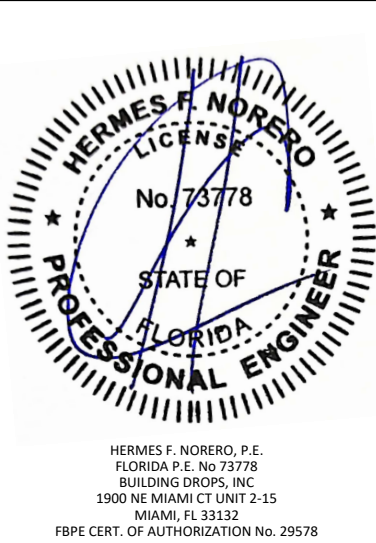
QUALIFIED CONFIGURATIONS

PREPARED BY:



REMARKS	BY	DATE
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FL #: **FL42100**

DATE: **05.10.2023**

DWG. BY: **MS** CHK. BY: **HFN**

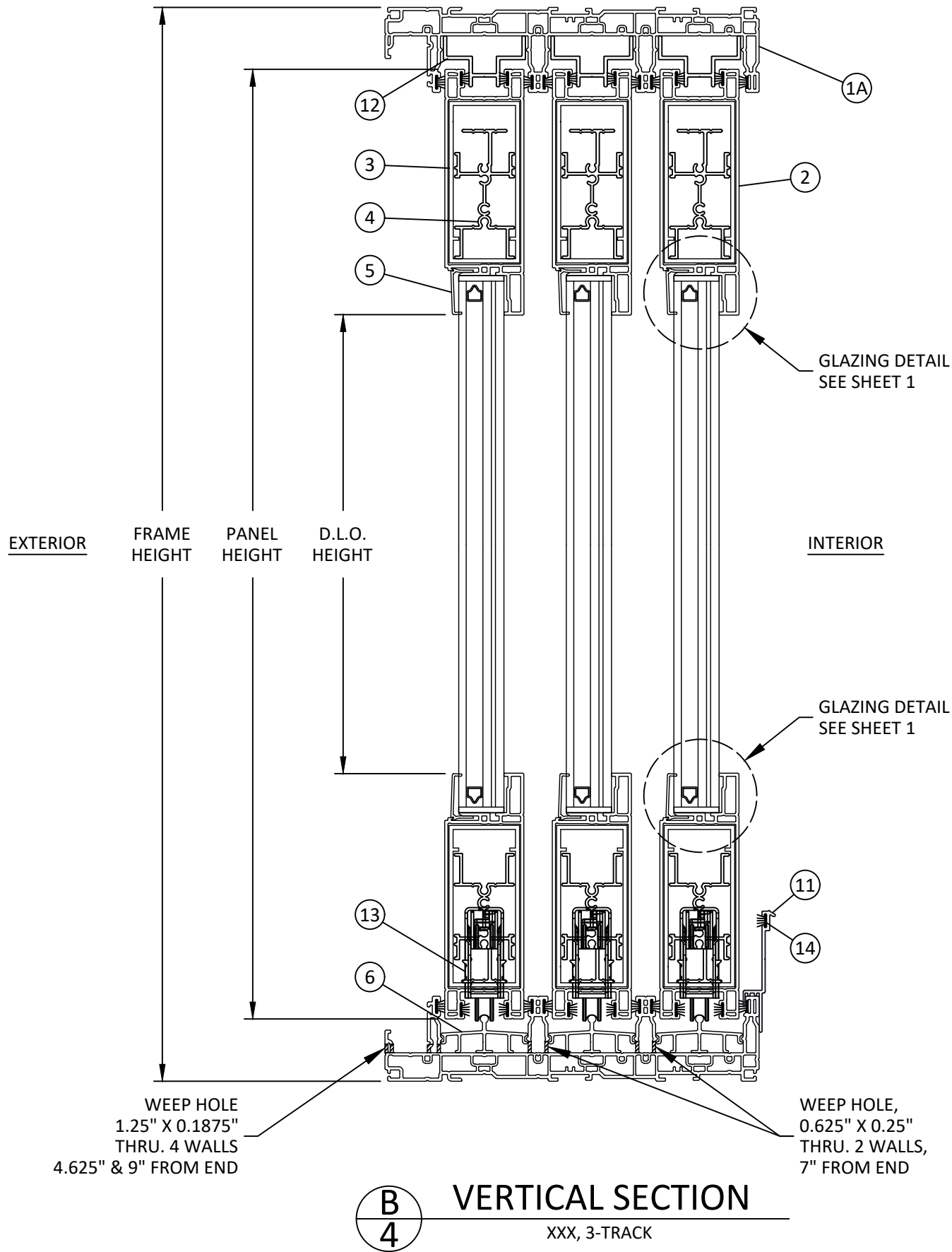
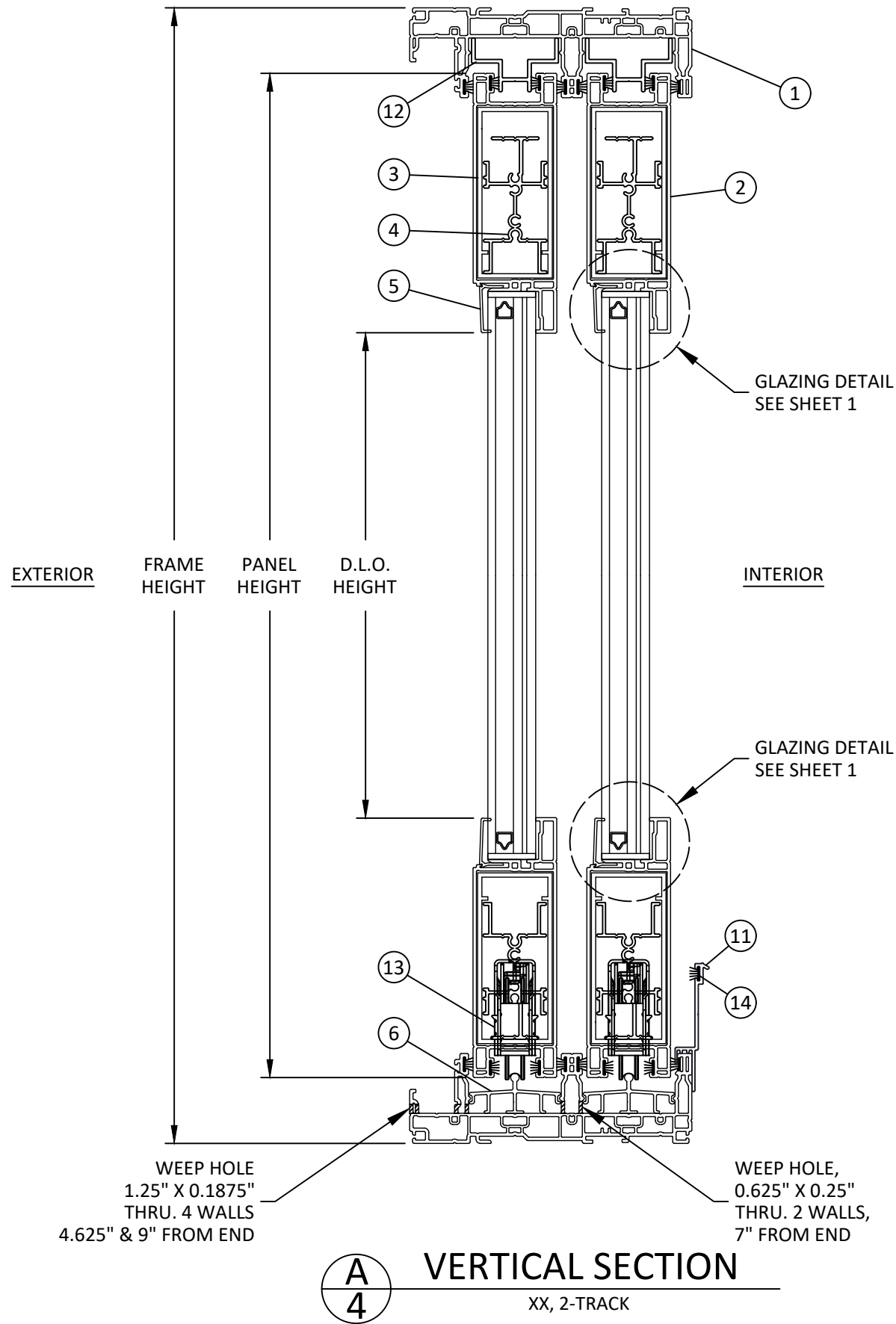
SCALE: **NTS**

DWG. #: **SWD064**

SHEET:

3

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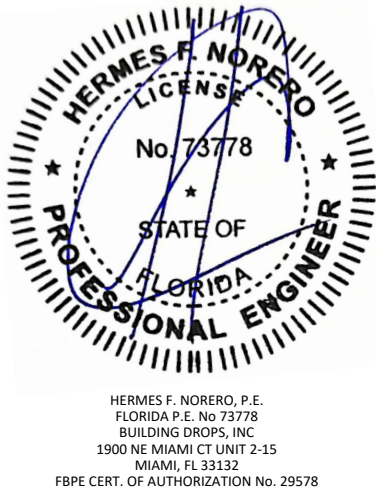
171 JET SERVICES WAY
DOTHAN, AL 36303

TITLE: SERIES 9750 VINYL SLIDING
GLASS DOOR
(WZ3) (IMPACT)
VERTICAL SECTIONS

PREPARED BY:
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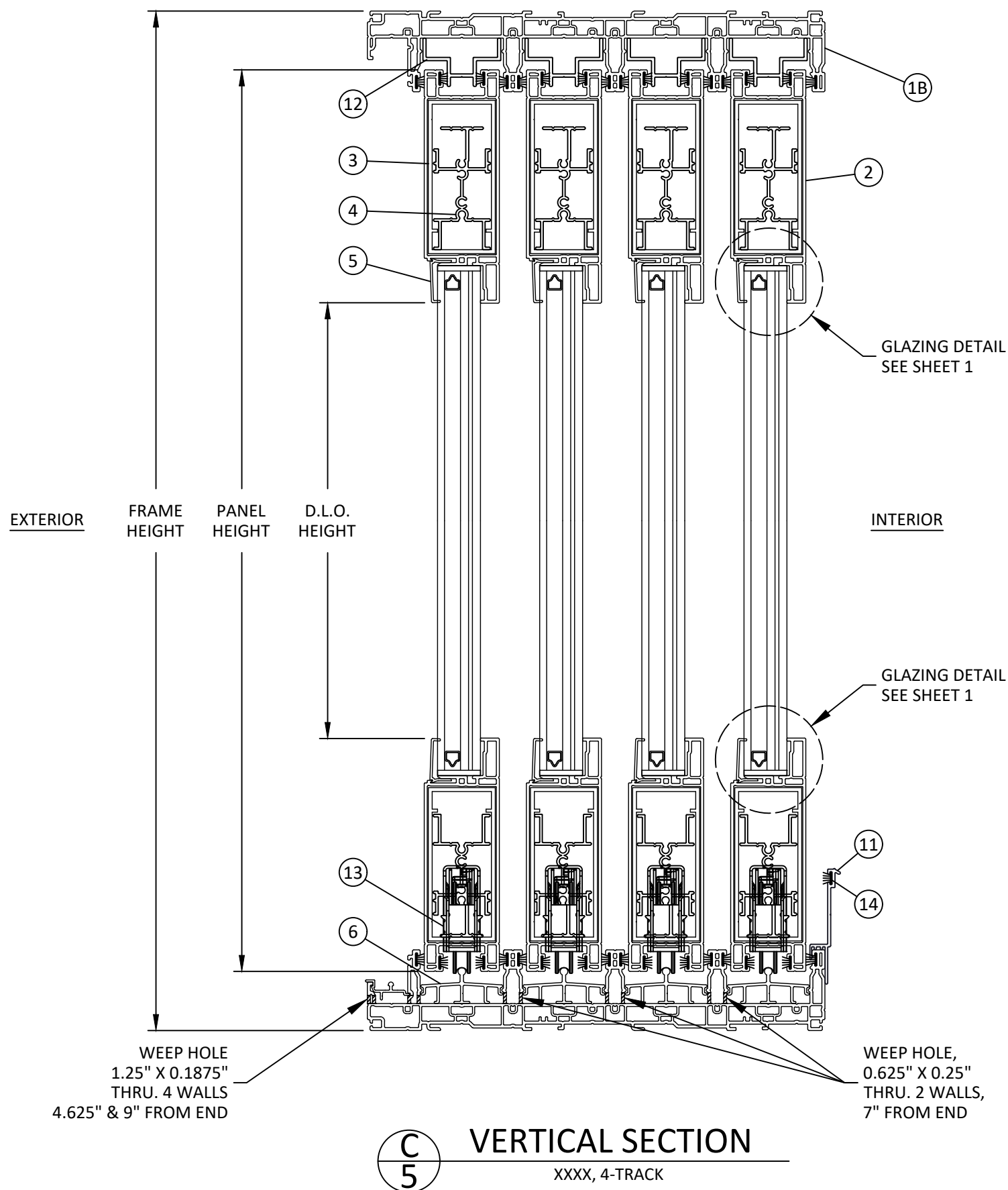
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SHEET:	4

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171 JET SERVICES WAY
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TITLE: SERIES 9750 VINYL SLIDING GLASS DOOR (WZ3) (IMPACT) VERTICAL SECTIONS

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

FL #: **FL42100**

DATE: **05.10.2023**

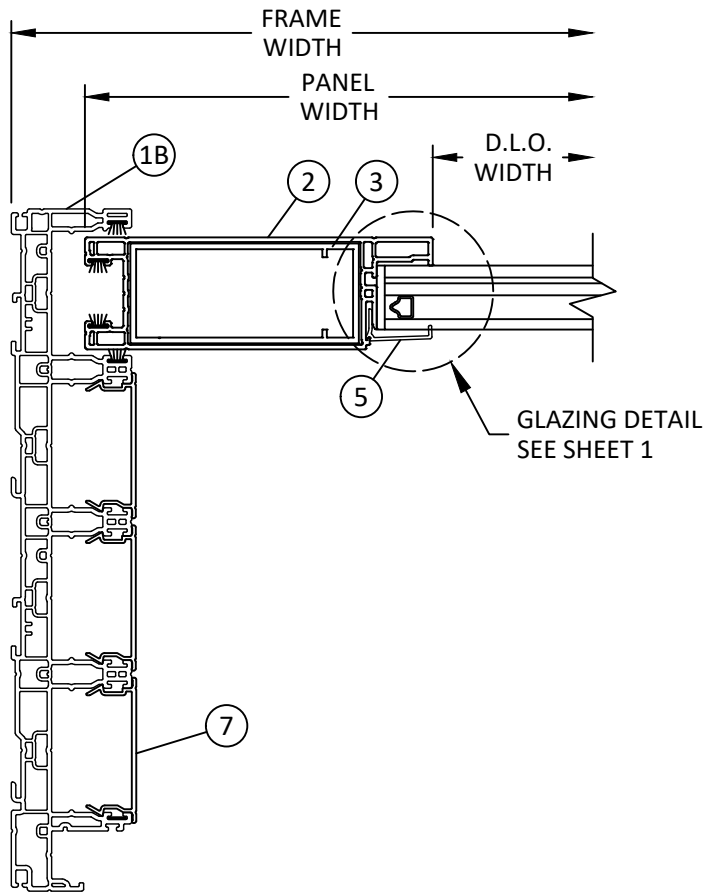
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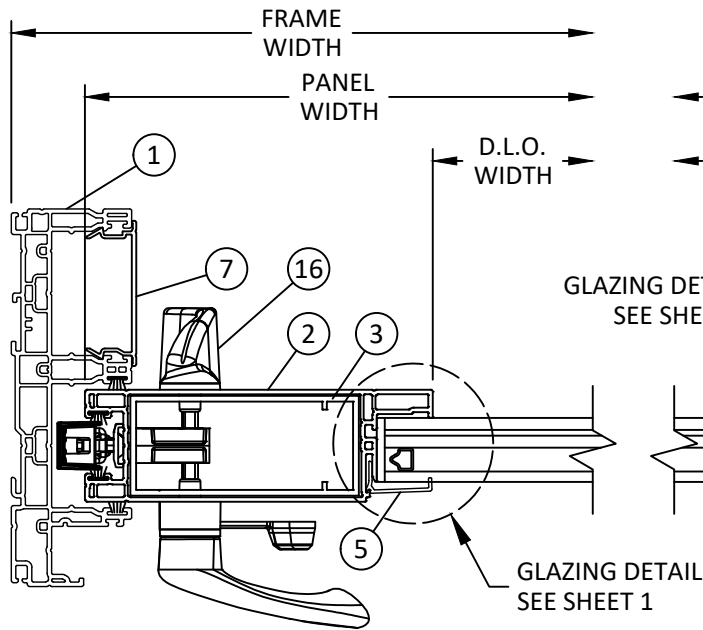
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SHEET: **5**

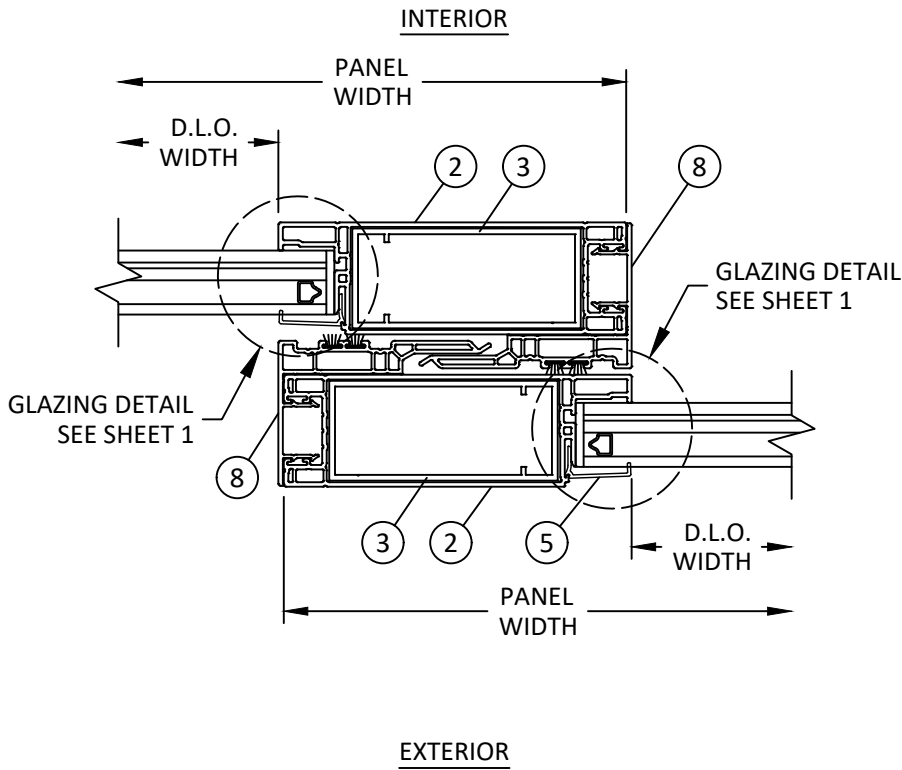
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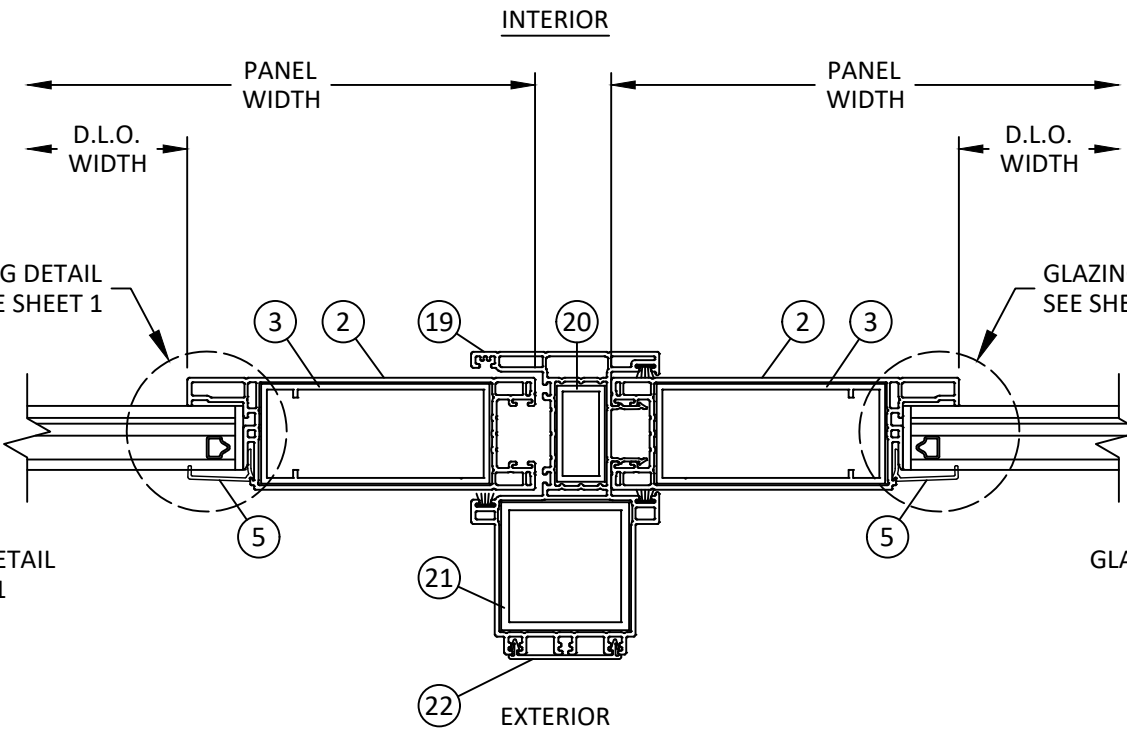
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6 OPERABLE JAMB
4 TRACK



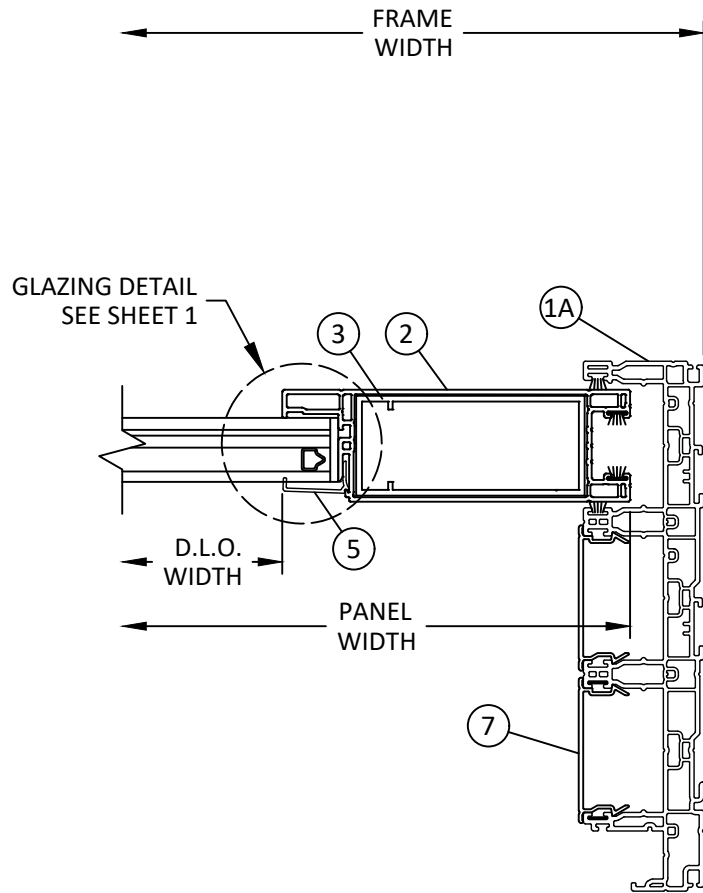
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6 OPERABLE JAMB
2 TRACK



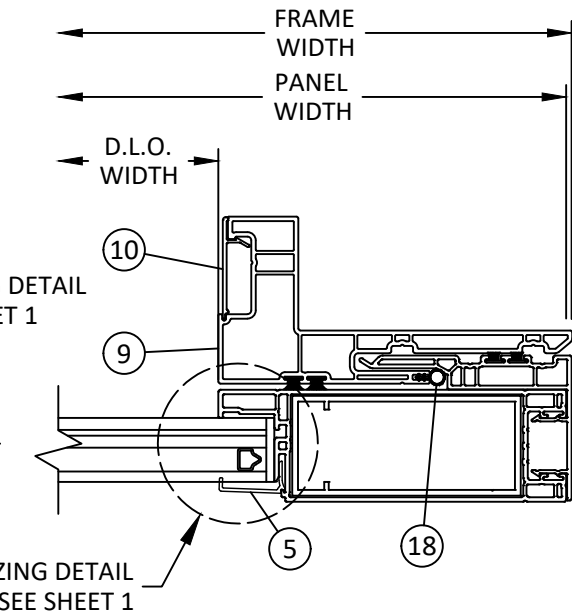
E HORIZONTAL SECTION
6 INTERLOCK



H HORIZONTAL SECTION
6 ASTRAGAL



F HORIZONTAL SECTION
6 INOPERABLE JAMB
3 TRACK



I HORIZONTAL SECTION
6 POCKET JAMB



171 JET SERVICES WAY
DOTHAN, AL 36303

TITLE: SERIES 9750 VINYL SLIDING
GLASS DOOR
(WZ3) (IMPACT)

HORIZONTAL SECTIONS

PREPARED BY:
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REMARKS	BY	DATE
A. DP TABLE UPDATE	MS	03.14.2024
B. CONFIG. UPDATE	FB	12.16.2024

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HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
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MIAMI, FL 33132
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SCALE:	NTS
DWG. #:	SWD064
SHEET:	6

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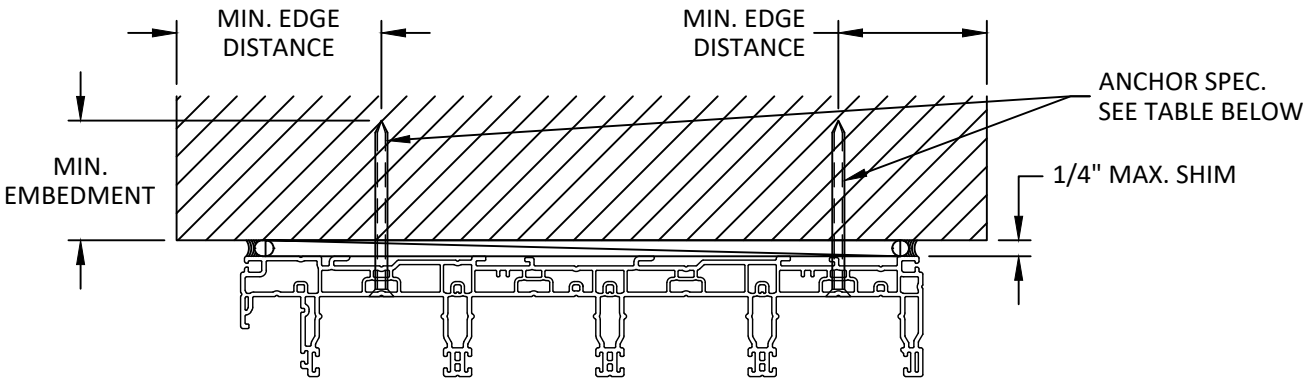
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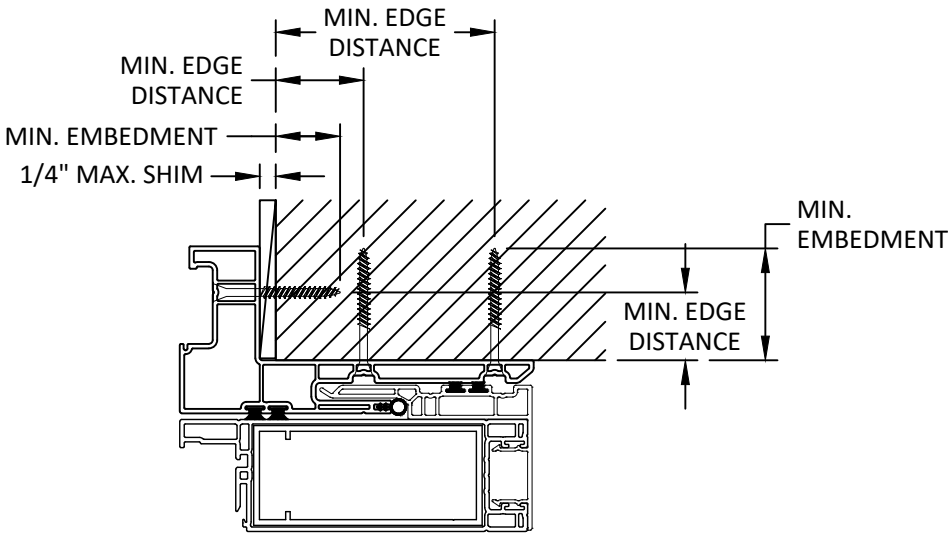


G 7

INSTALLATION DETAILS

DOOR HEAD

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



H 7

INSTALLATION DETAILS

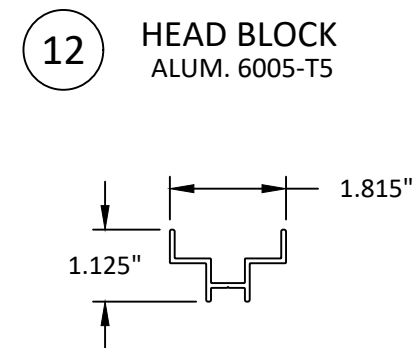
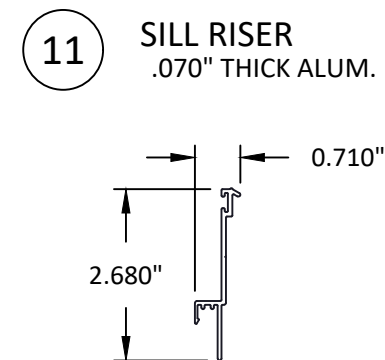
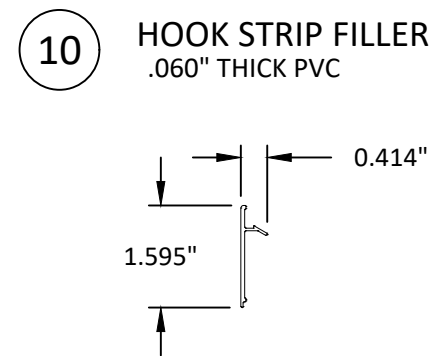
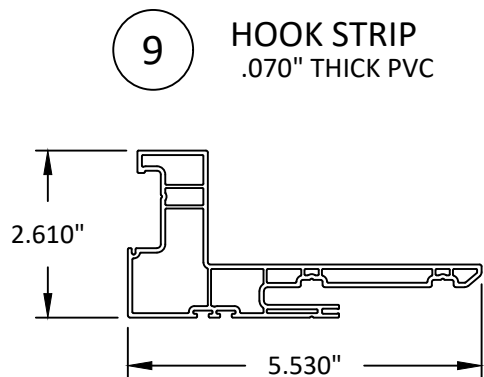
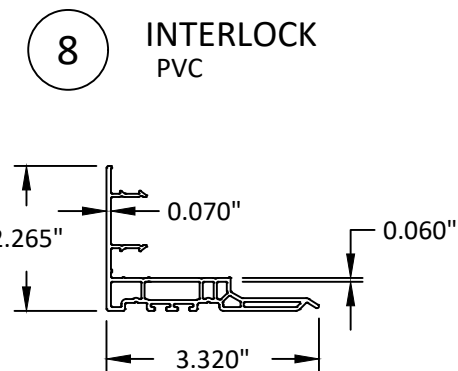
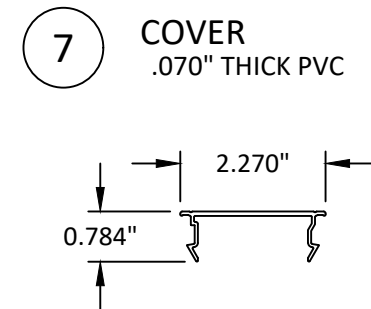
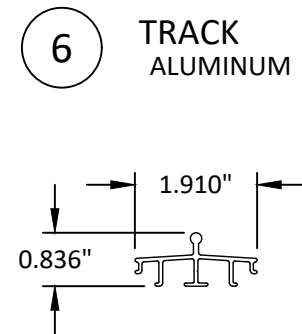
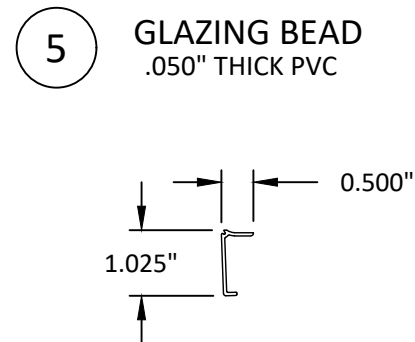
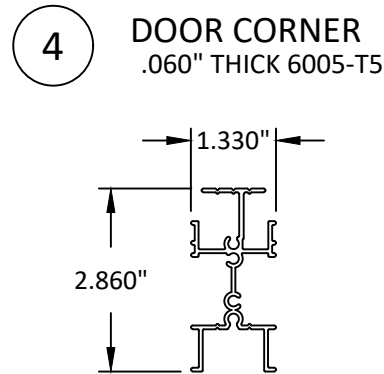
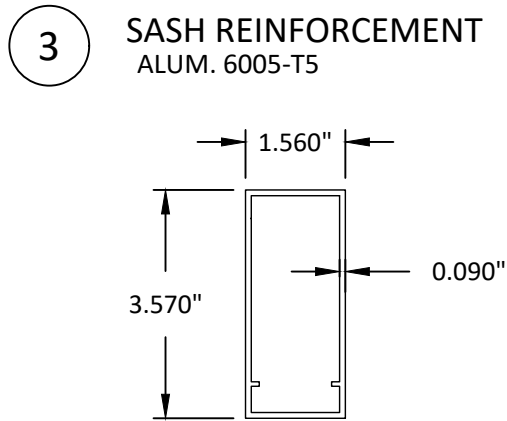
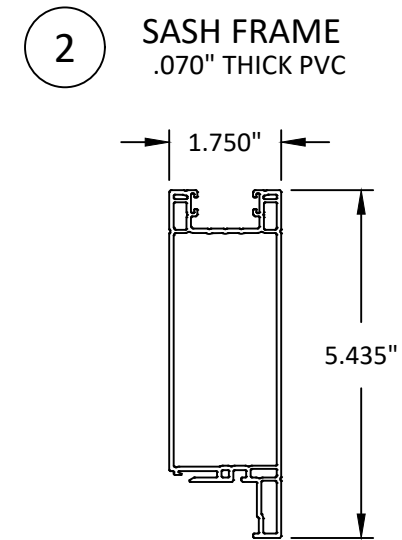
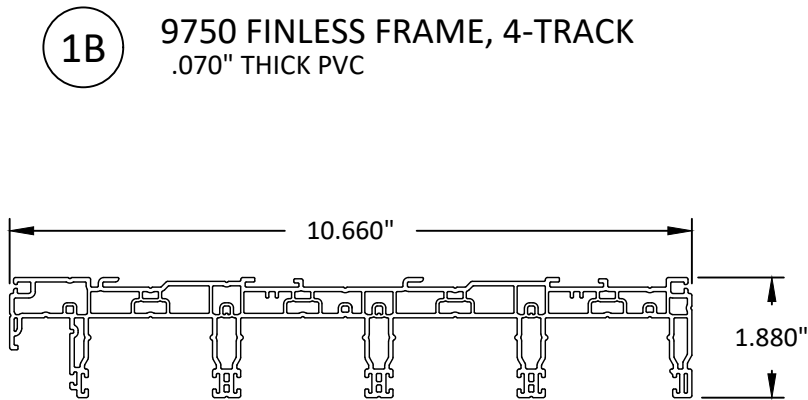
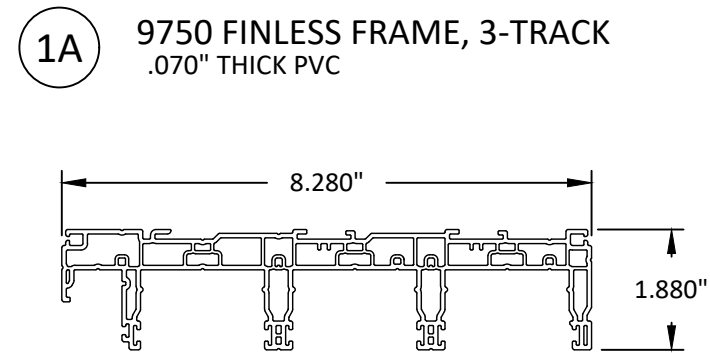
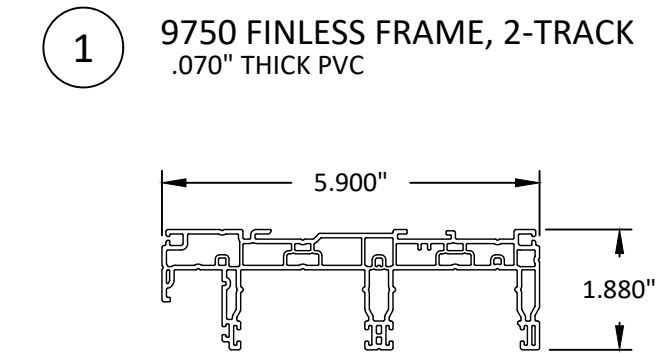
POCKET JAMB

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION.
- 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 1/4 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.
- 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				
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	1.5"	1"
	STEEL: MIN. 16 GA. MIN. Fy = 36 ksi	#10 SMS OR SELF-DRILLING/ SCREW	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	1"	2"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI			
FOR POCKET JAMBS	CONCRETE: MIN. f'c = 3000 psi	3/16" DEWALT ULTRACON+	1.75"	1"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI			

BILL OF MATERIALS		
NO.	DESCRIPTION	MATERIAL
1	9750 FINLESS FRAME, 2-TRACK	.070" THICK PVC
1A	9750 FINLESS FRAME, 3-TRACK	.070" THICK PVC
1B	9750 FINLESS FRAME, 4-TRACK	.070" THICK PVC
2	SASH FRAME	.070" THICK PVC
3	SASH 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	FIN FRAME	.060" THICK PVC



171 JET SERVICES WAY
DOTHAN, AL 36303

TITLE: SERIES 9750 VINYL SLIDING
GLASS DOOR
(WZ3) (IMPACT)

BILL OF MATERIALS & COMPONENTS

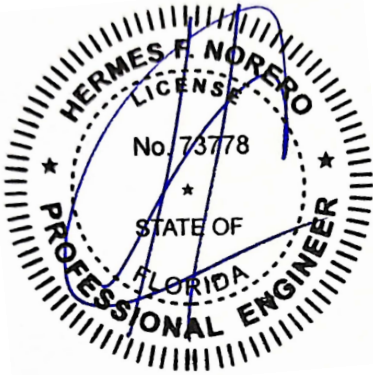
PREPARED BY:


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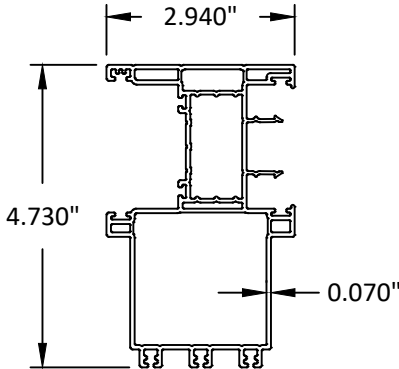


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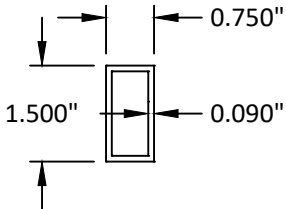
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DWG. #:	SWD064
SHEET:	8

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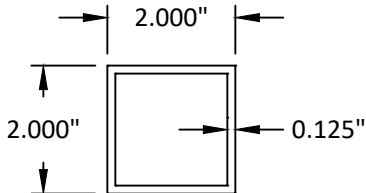
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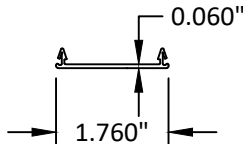
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ALUM. 6005-T5



21 ASTRAGAL REINFORCEMENT
ALUM. 6005-T5



22 FIN FRAME
.060" THICK PVC



171 JET SERVICES WAY
DOTHAN, AL 36303

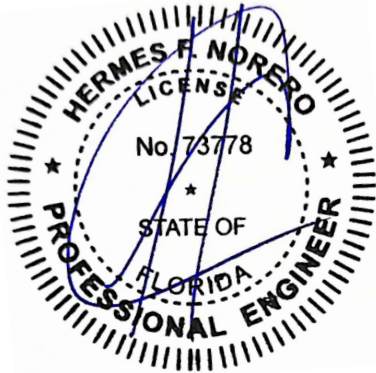
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