

SHWINCO ARCHITECTURAL PRODUCTS, LLC

SERIES 9750 VINYL SLIDING GLASS DOOR

(HVHZ) (IMPACT)

GENERAL NOTES:

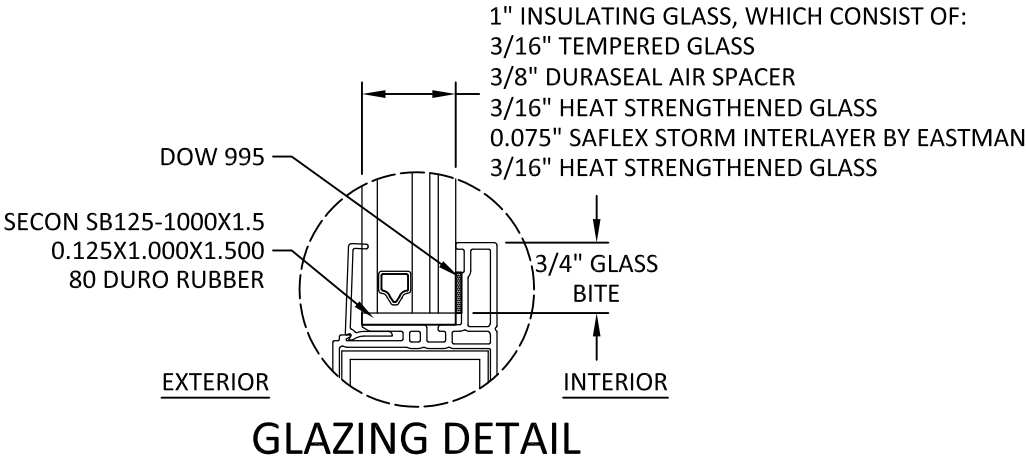
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC) **INCLUDING** HVHZ. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE FOLLOWING:
- ASTM E283-04(12)
 - ASTM E330-14
 - ASTM E331-00(09)
 - TAS 201-94
 - 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.
7. FRAME MATERIAL: EXTRUDED RIGID PVC
8. APPROVED CONFIGURATION:

4 TRACK - XXXX

3 TRACK - XXX
9. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES, DESIGN PRESSURE TABLE AND GLAZING DETAILS
2	ELEVATION AND ANCHOR LAYOUT
3	VERTICAL SECTIONS
4	HORIZONTAL SECTIONS
5	INSTALLATION DETAILS AND NOTES
6	BILL OF MATERIALS AND COMPONENTS

DESIGN PRESSURE RATING		
PANEL SIZE	DESIGN PRESSURE	MISSILE RATING
51.5" X 92.75"	+/-50 PSF	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 (HVHZ) (IMPACT)
GENERAL NOTES, DESIGN PRESSURE TABLE & GLAZING DETAILS

PREPARED BY:

BUILDING DROPS

BUILDING DROPS, INC.
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DANIA BEACH, FL 33004
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REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.02.23 13:44:17 -0400

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DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL30505**

DATE: **2023.02.23**

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

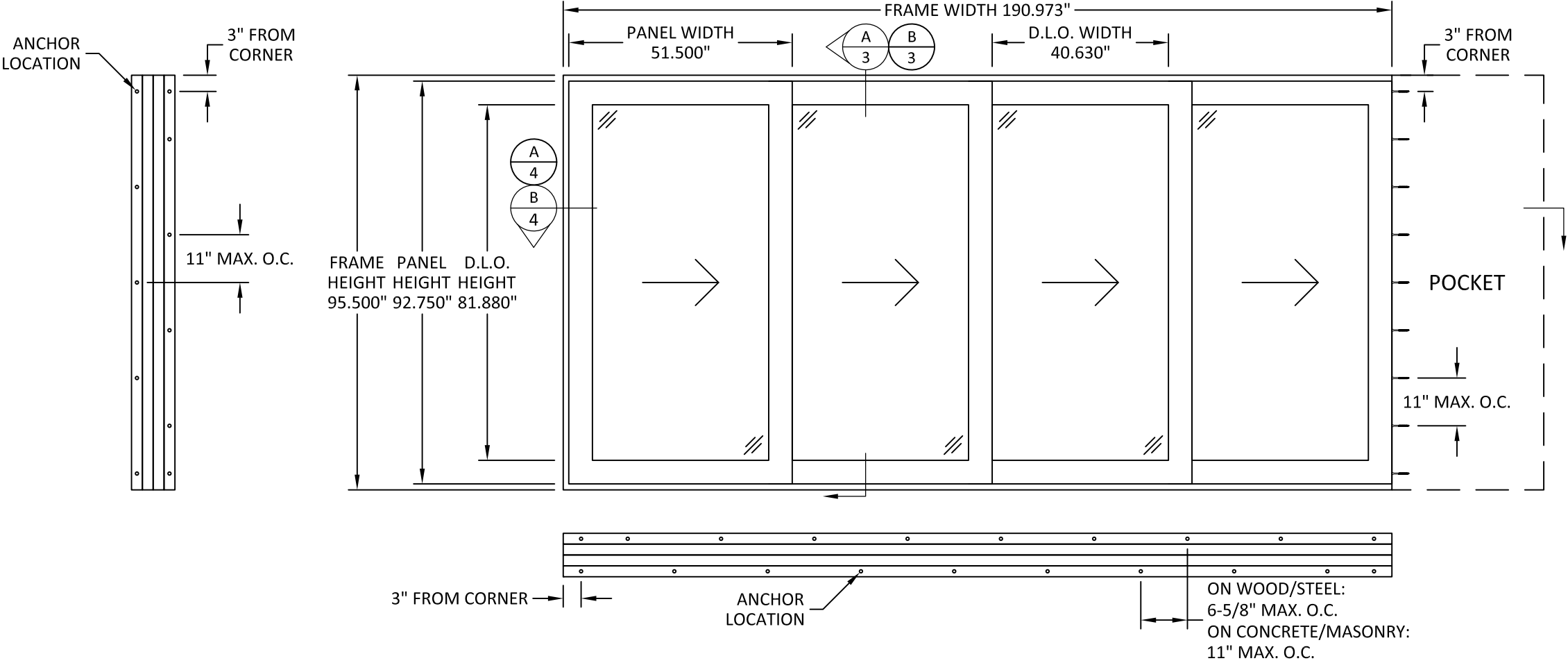
SCALE: **NTS**

DWG. #: **SWD062**

SHEET: **1**

OF 6

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ELEVATION & ANCHOR LAYOUT



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ELEVATION & ANCHOR LAYOUT

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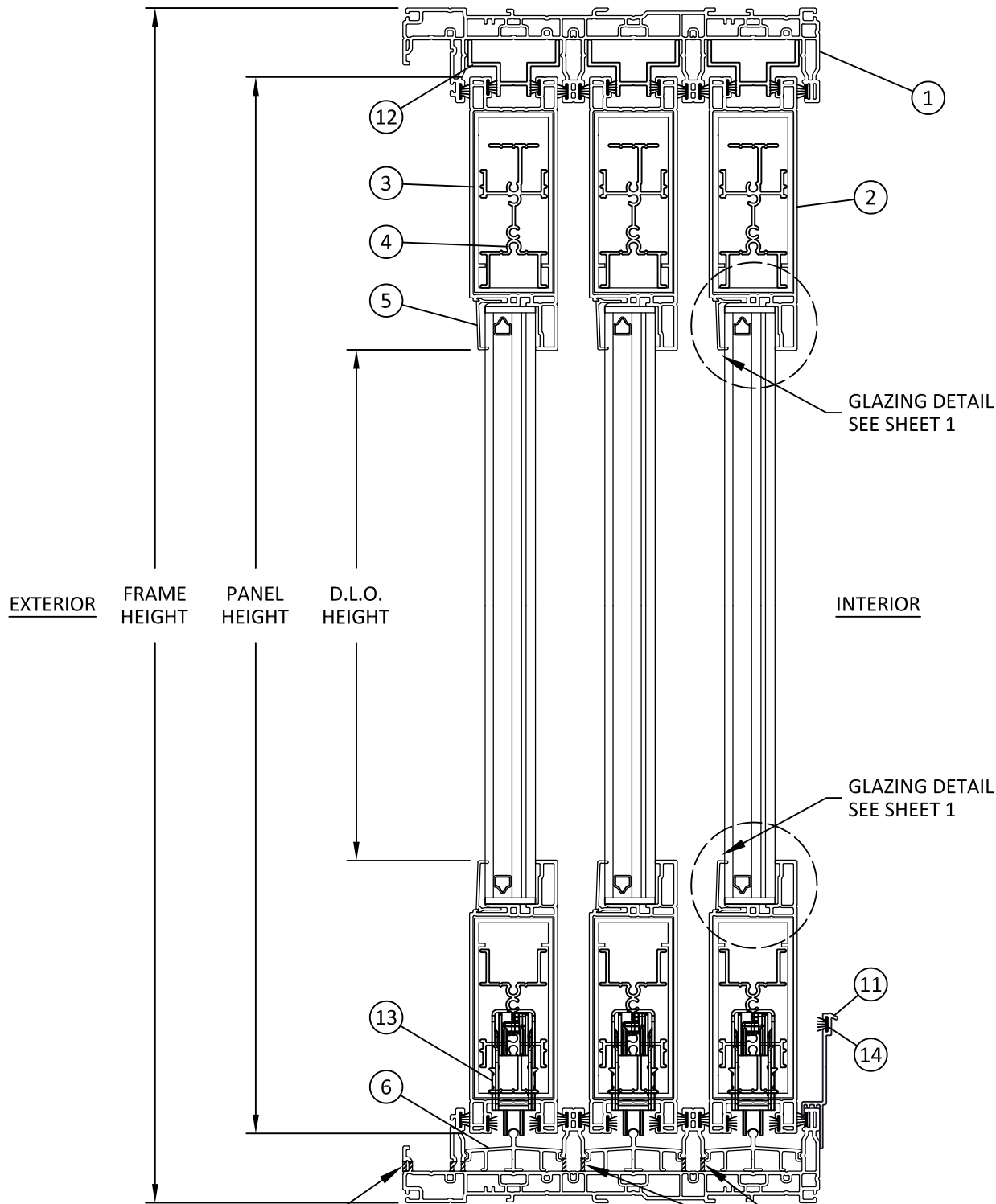
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SHEET:

2

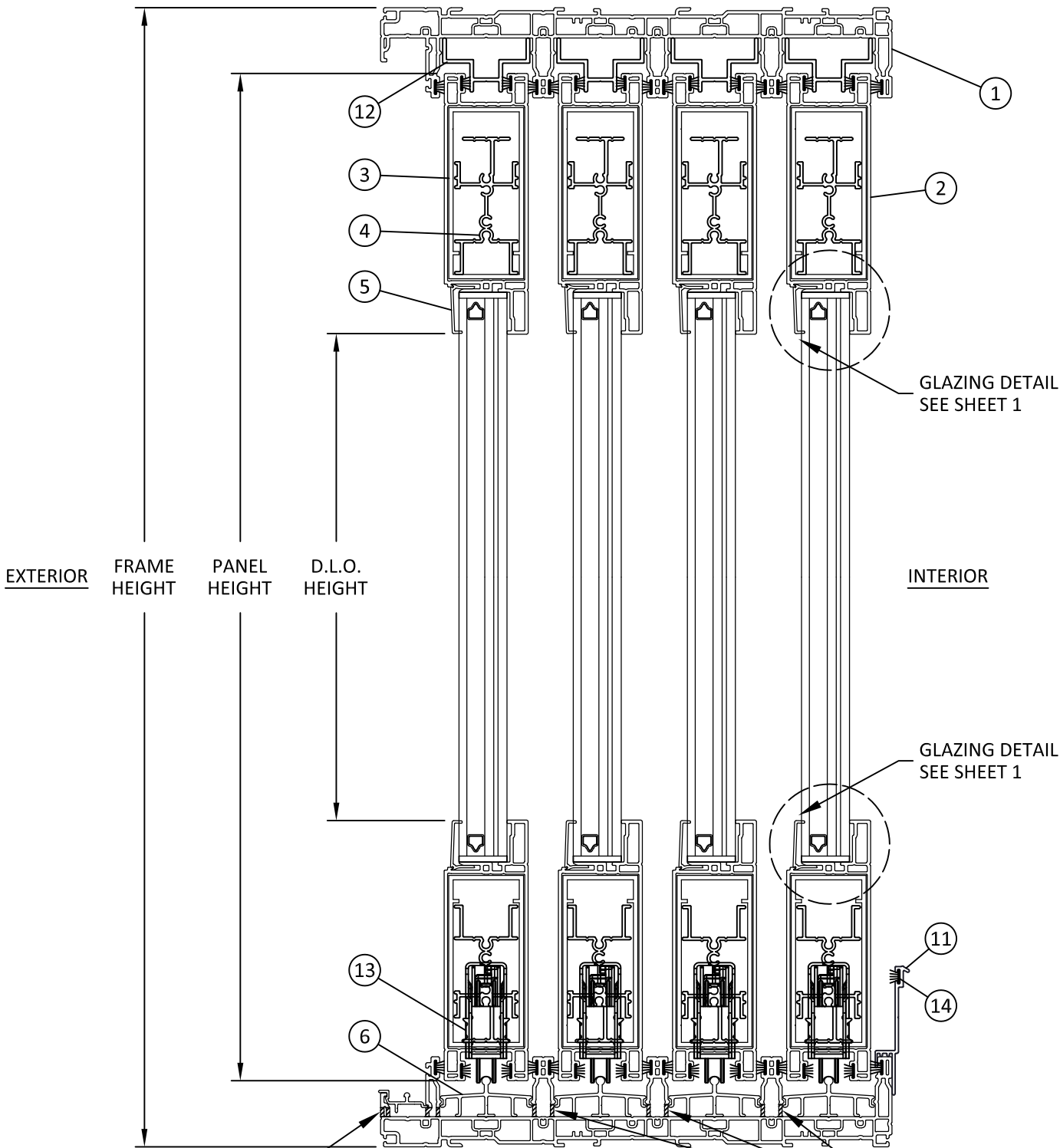
OF 6



A
3

VERTICAL SECTION

XXX, 3-TRACK



B
3

VERTICAL SECTION

XXXX, 4-TRACK



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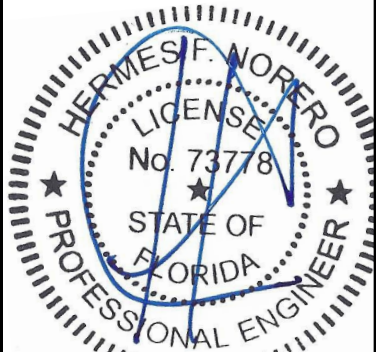
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VERTICAL SECTIONS

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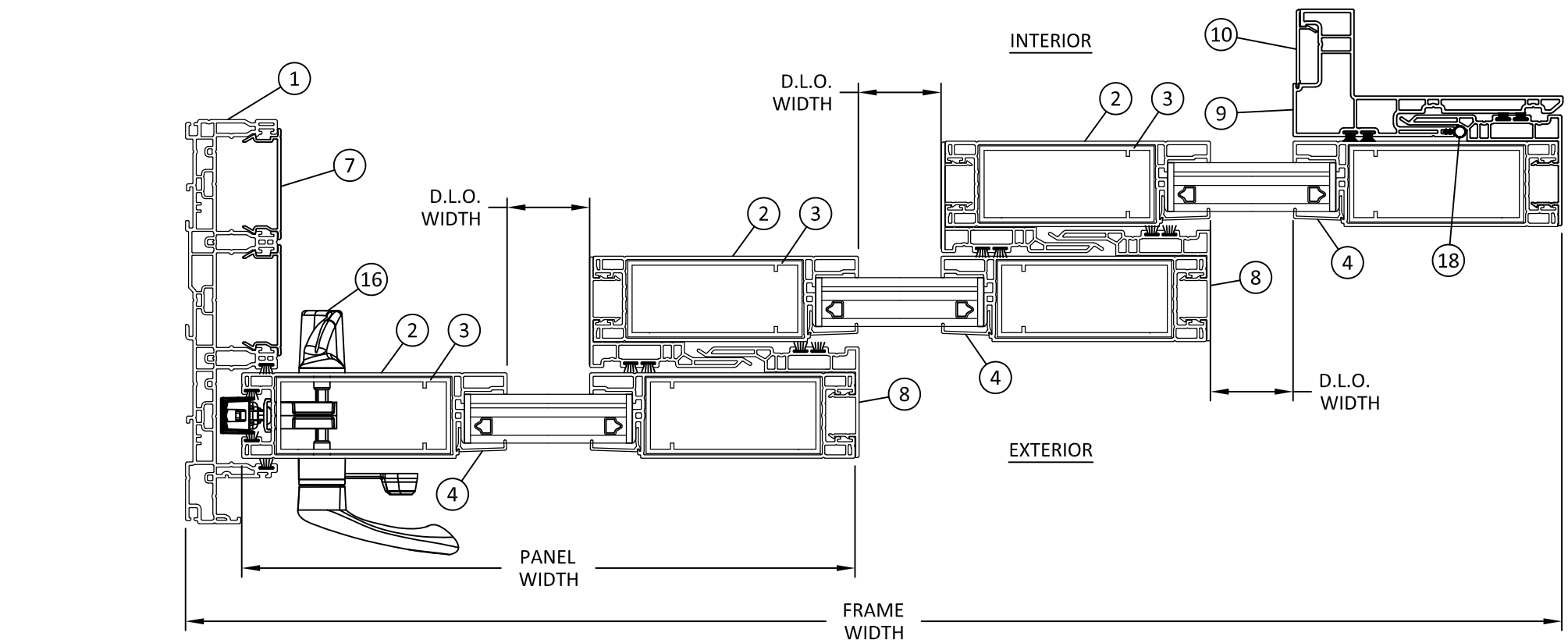
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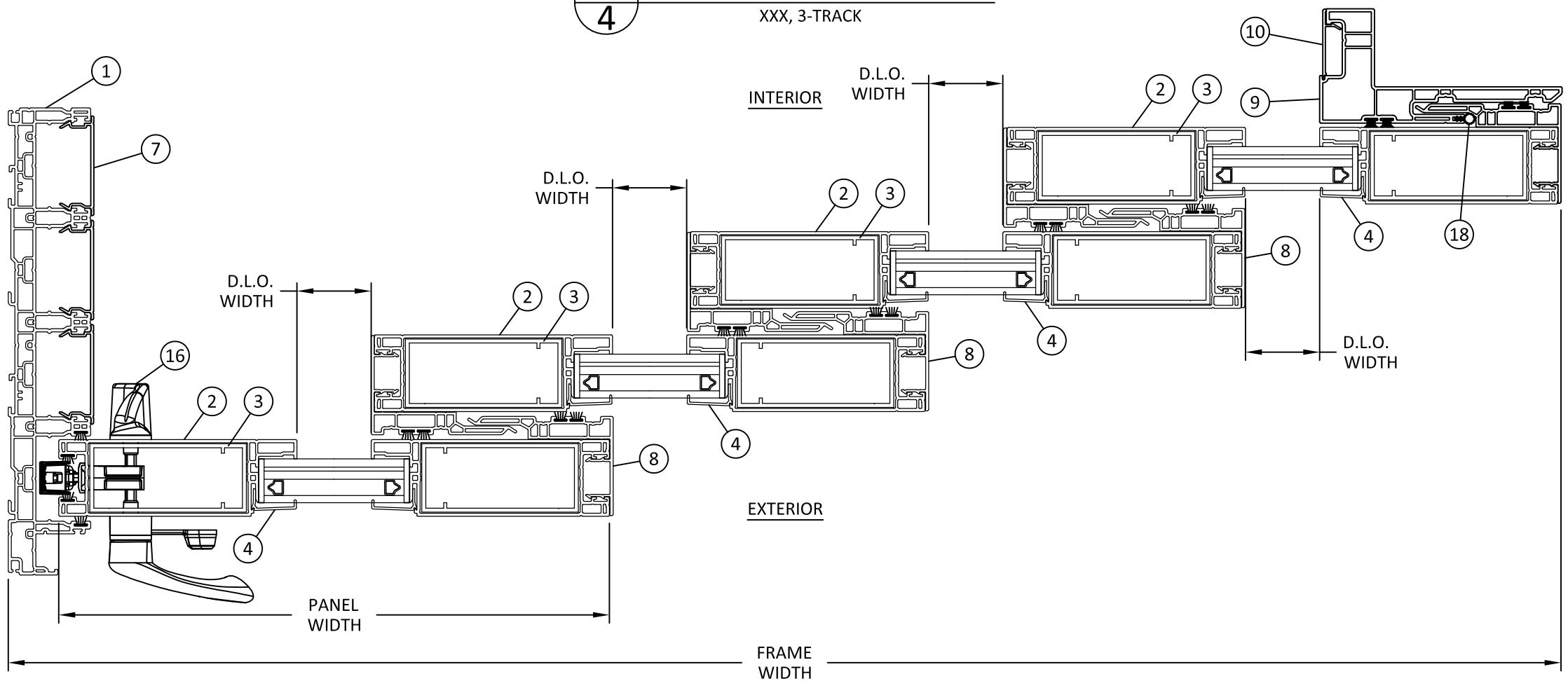


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SHEET:	3



A
4 HORIZONTAL SECTION
XXX, 3-TRACK



B
4 HORIZONTAL SECTION
XXXX, 4-TRACK



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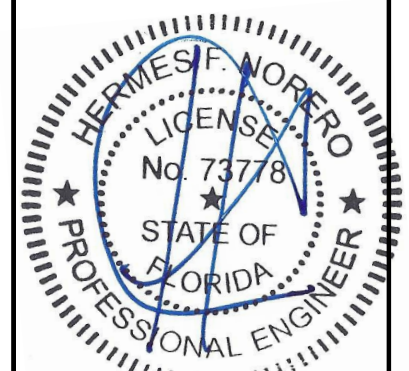
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HORIZONTAL SECTIONS

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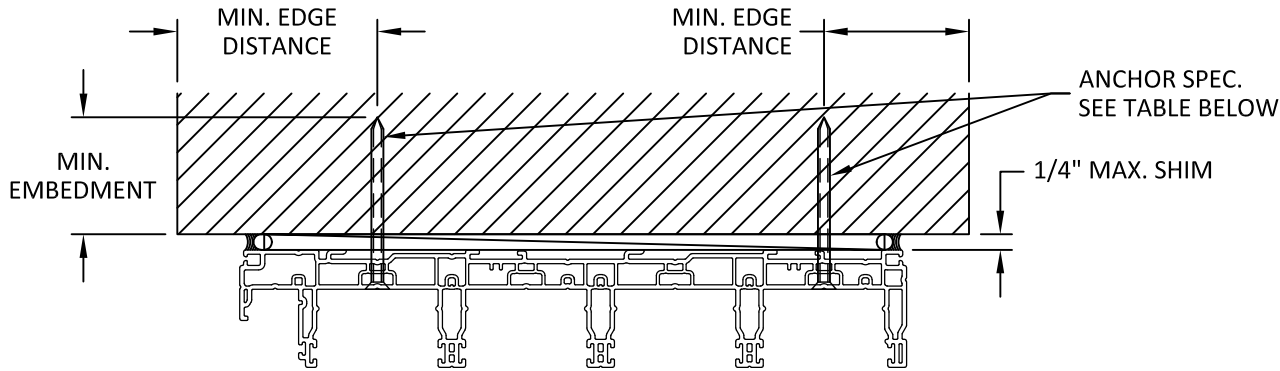
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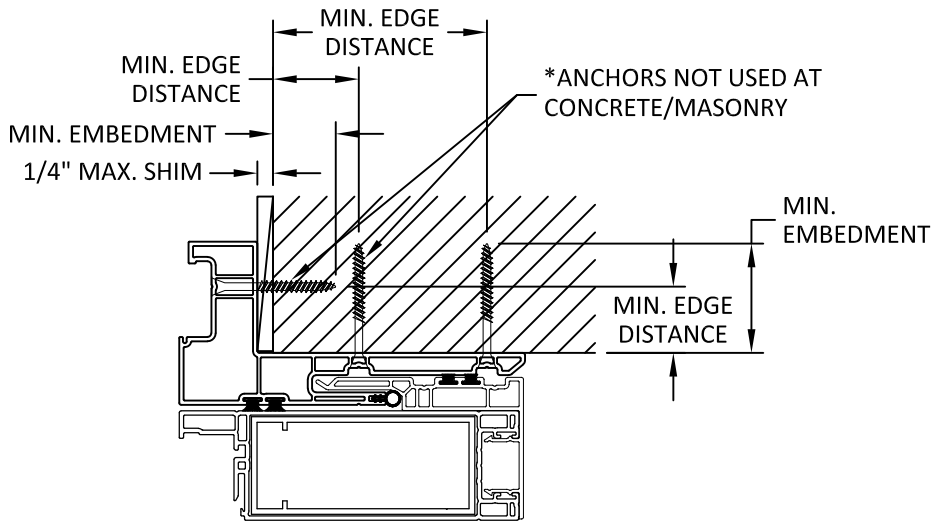
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A
5 INSTALLATION DETAILS
DOOR HEAD

NOTE:
DOOR HEAD INSTALLATION SHOWN,
DOOR JAMB/SILL IS SIMILAR.



B
5 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			
SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
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"
CONCRETE: MIN. f'c = 3000 psi	3/16" ITW TAPCON	1"	2"
MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON	1"	2" (3.5" ON POCKET JAMB)



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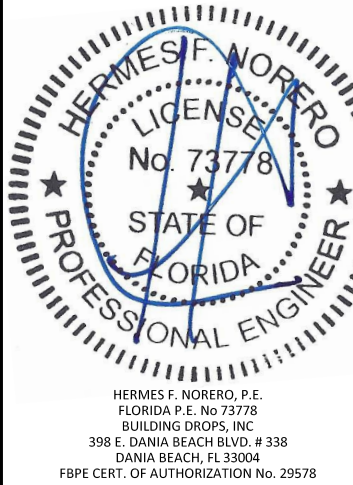
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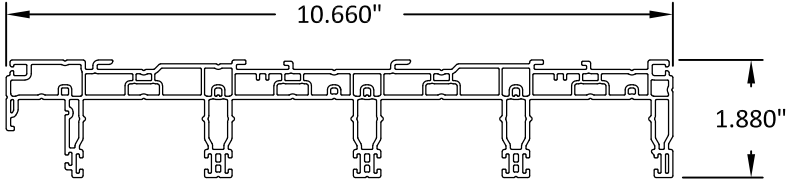
DWG. #: **SWD062**

SHEET: **5**

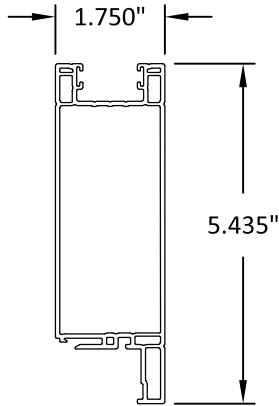
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BILL OF MATERIALS		
NO.	DESCRIPTION	MATERIAL
1	9750 FINLESS FRAME, 4-TRACK	.070" THICK PVC
2	SASH FRAME	.070" THICK PVC
3	SASH REINFORCEMENT	ALUM. 6005-T5
4	DOOR CORNER	.060" THICK ALUM. 6005-T5
5	GLAZING BEAD	.050" THICK PVC
6	DOOR TRACK	ALUM. 6005-T5
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	INVOLVE LOCK - ASSA ABLOY	-
17	FRAME CORNER GASKET	-
18	KERF MOUNT BULB SEAL - AMESBURY	-

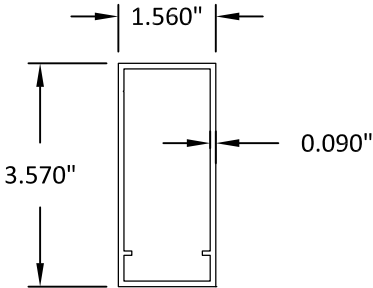
1 9750 FINLESS FRAME, 4-TRACK
.070" THICK PVC



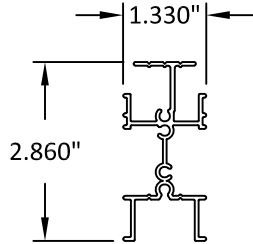
2 SASH FRAME
.070" THICK PVC



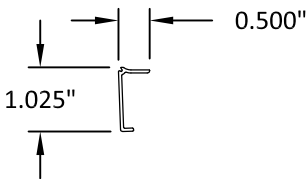
3 SASH REINFORCEMENT
ALUM. 6005-T5



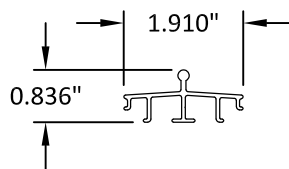
4 DOOR CORNER
.060" THICK 6005-T5



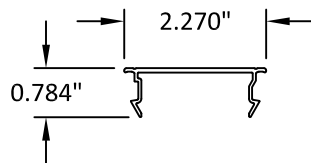
5 GLAZING BEAD
.050" THICK PVC



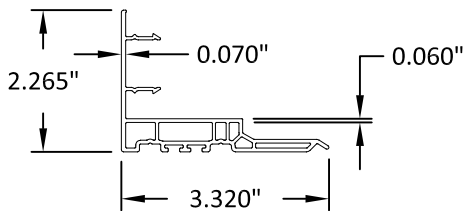
6 TRACK
ALUMINUM



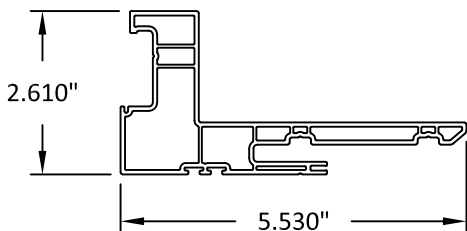
7 COVER
.070" THICK PVC



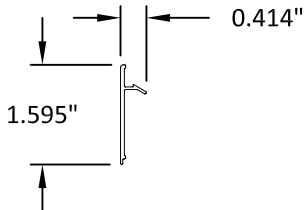
8 INTERLOCK
PVC



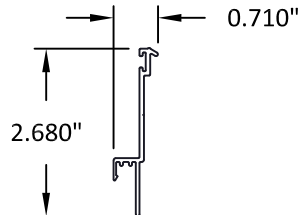
9 HOOK STRIP
.070" THICK PVC



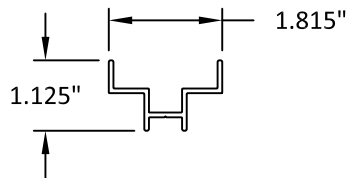
10 HOOK STRIP FILLER
.060" THICK PVC



11 SILL RISER
.070" THICK ALUM.



12 HEAD BLOCK
ALUM. 6005-T5



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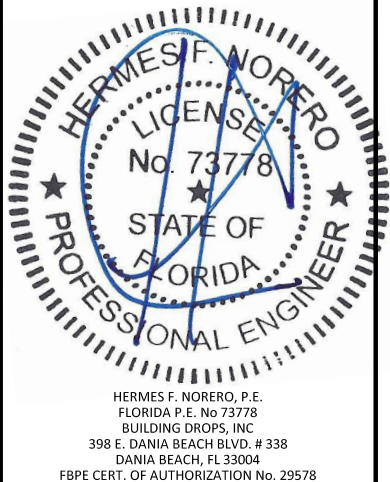
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