

AVIGLASS S.A DE C.V

SEICENTO FORTE MINIMAL SLIDING GLASS DOOR (IMPACT) (WIND ZONE 4)

GENERAL NOTES:

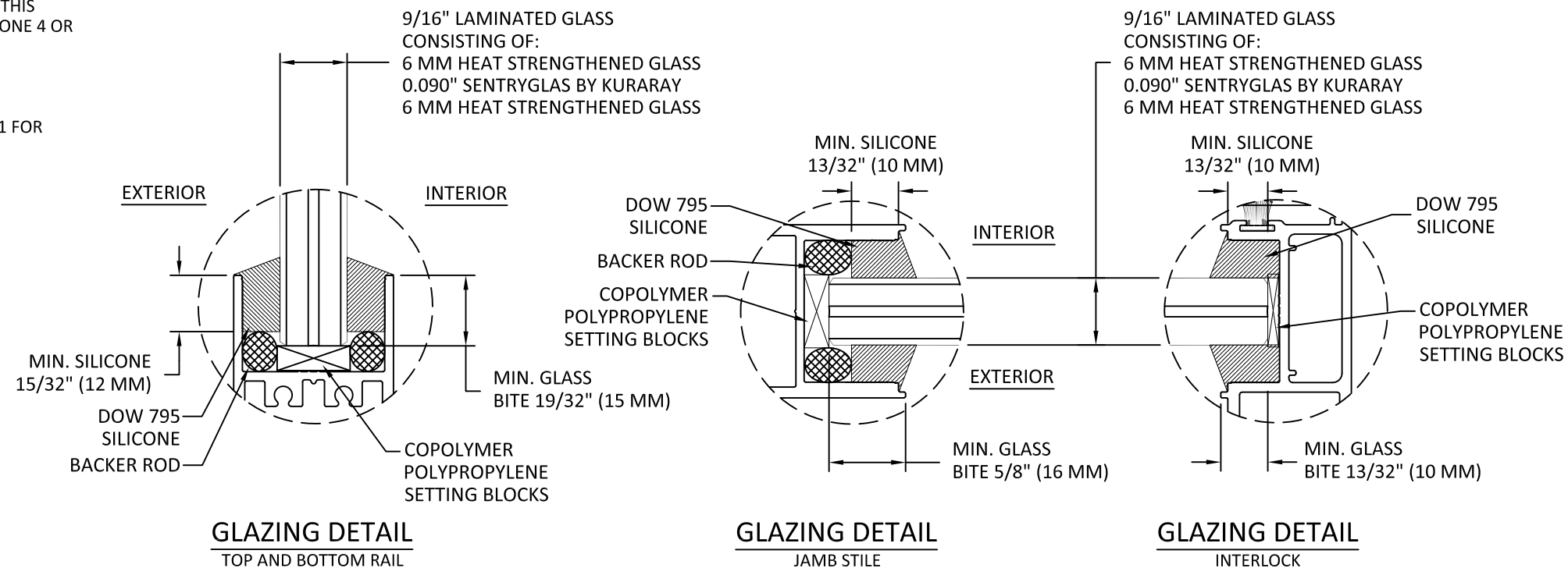
- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE (IBC) AND 2018 INTERNATIONAL RESIDENTIAL CODE (IRC), AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-11
 - ASTM E1886-13
 - ASTM E1996-12
- ADEQUACY OF THE EXISTING 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.
- 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.
- 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 NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 4 OR LESS.
- DOOR MATERIAL: 6005-T5, 6005-T6, & 6063-T5 ALUMINUM
- GLASS MEETS THE REQUIREMENTS OF ASTM E1300. SEE SHEET 1 FOR GLAZING DETAILS.
- QUALIFIED CONFIGURATIONS: OXX, XXO, XXX, OX, XO, XX.

GLAZING NOTES:

- GLASS TYPE & THICKNESS COMPLIES WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE IBC.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A).
- SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36", AT MINIMUM.

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MAX. OVERALL SIZE	DESIGN PRESSURE	MISSILE IMPACT RATING
180" x 102" (OXX)	+/- 80 PSF	LARGE & SMALL MISSILE IMPACT



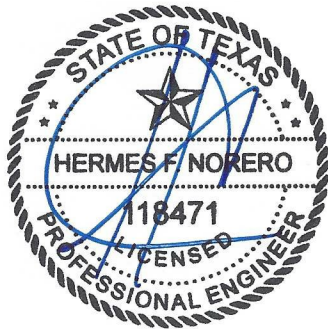
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IZTAPALAPA, 09810, CIUDAD DE MÉXICO, MEXICO
PH: (01 55) 56 70 03 57 FX: (01 55) 56 70 03 37

TITLE: MINIMAL SERIES SLIDING GLASS DOOR
GENERAL NOTES & GLAZING DETAIL

PREPARED BY: BUILDING DROPS, INC.
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REMARKS	BY	DATE

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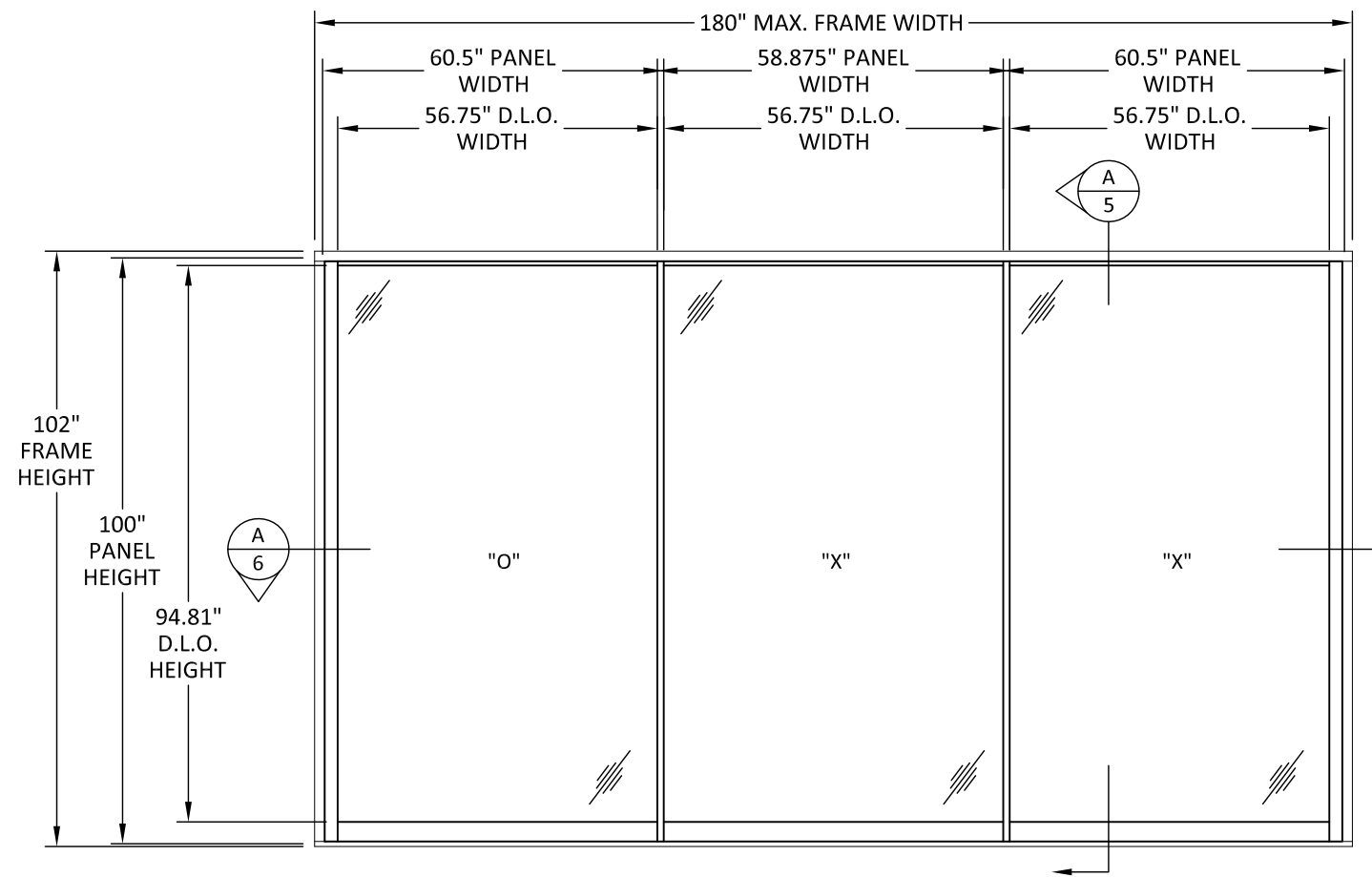


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TBPRE FIRM NO. 13734

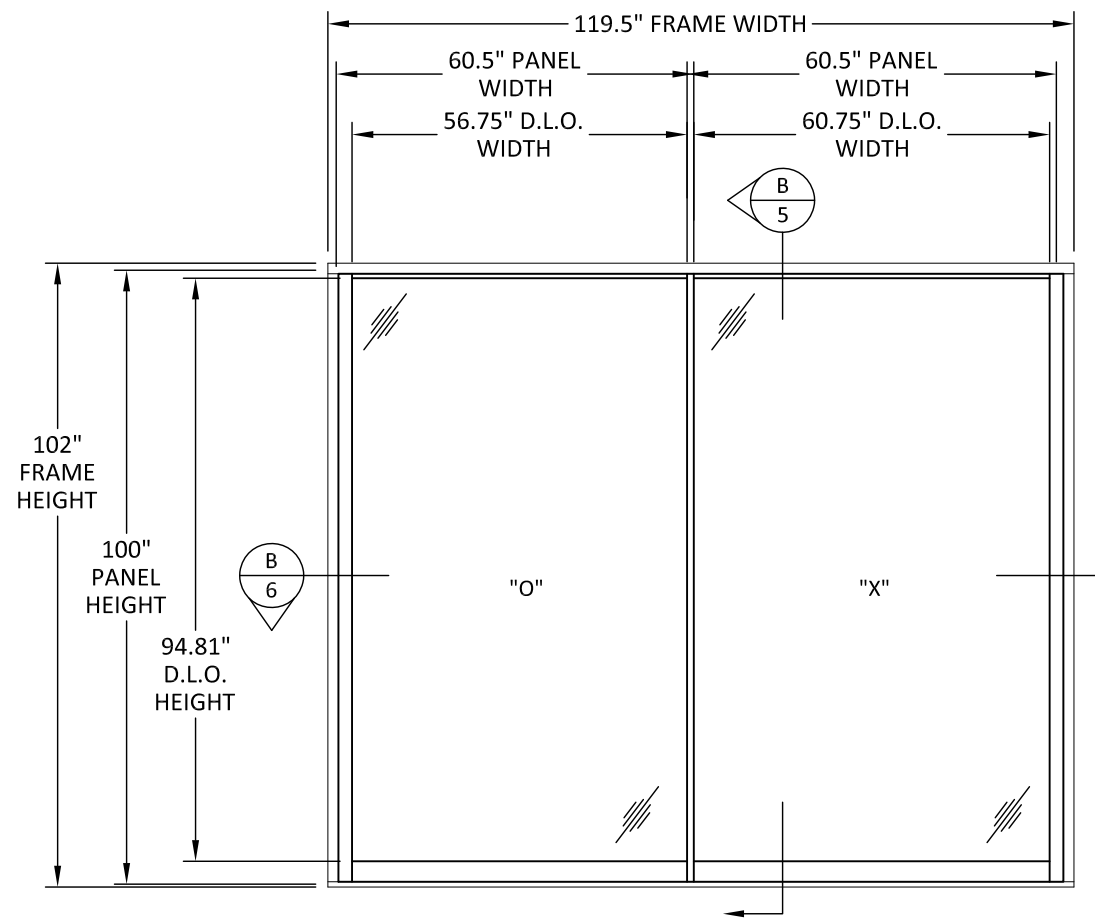
DATE: 05.01.20
DWG. BY: SM
CHK. BY: HFN
SCALE: NTS
DWG. #: AVI005
SHEET:

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ELEVATION
THREE PANEL SLIDING GLASS DOOR



ELEVATION
TWO PANEL SLIDING GLASS DOOR

FRAME SIZE

FOR THREE PANEL - THREE TRACK DOOR
 FRAME WIDTH = PANEL WIDTH X 3 - 1.5"
 FRAME HEIGHT = PANEL HEIGHT + 2.086"

FOR TWO PANEL - TWO TRACK DOOR
 FRAME WIDTH = PANEL WIDTH X 2 - 1.5"
 FRAME HEIGHT = PANEL HEIGHT + 2.086"

DAYLIGHT OPENING (D.L.O.) SIZE

DLO WIDTH = NOMINAL PANEL WIDTH - 3.75"
 DLO HEIGHT = PANEL HEIGHT - 5.10"

NOTE: FOR THREE PANEL DOORS, NOMINAL PANEL WIDTH FROM TABLE IS FOR END PANELS, AND CENTER PANEL HAS A PANEL WIDTH 1-5/8" SMALLER.



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TITLE: **MINIMAL SERIES SLIDING GLASS DOOR**
 ELEVATIONS AND DP TABLE

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DWG. BY:	SM
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AVI005
SHEET:	2



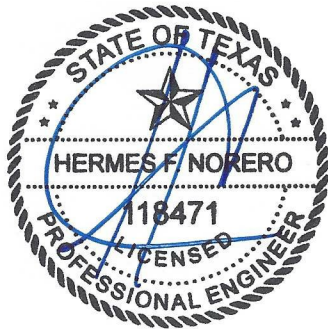
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TITLE: **MINIMAL SERIES SLIDING GLASS DOOR**
 THREE PANEL ANCHOR LAYOUT

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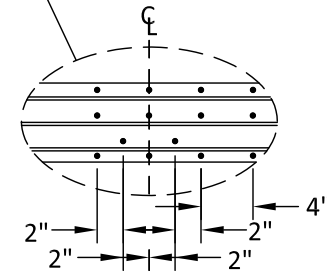
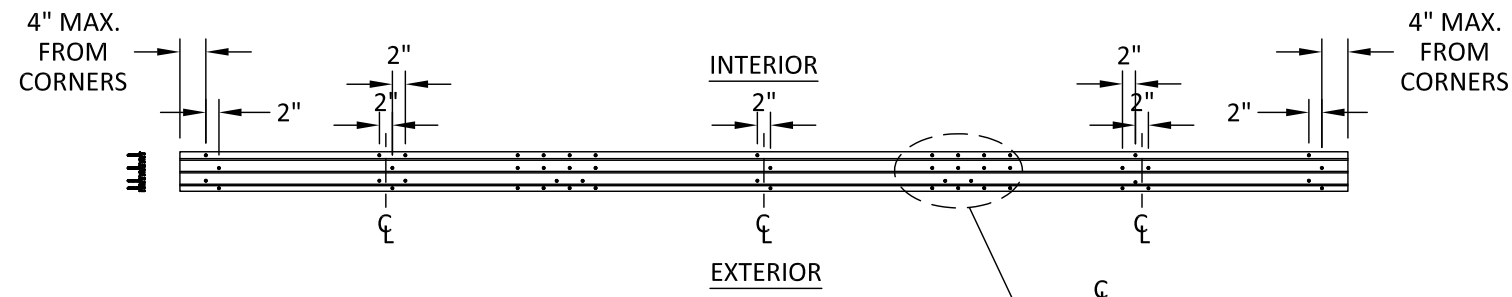
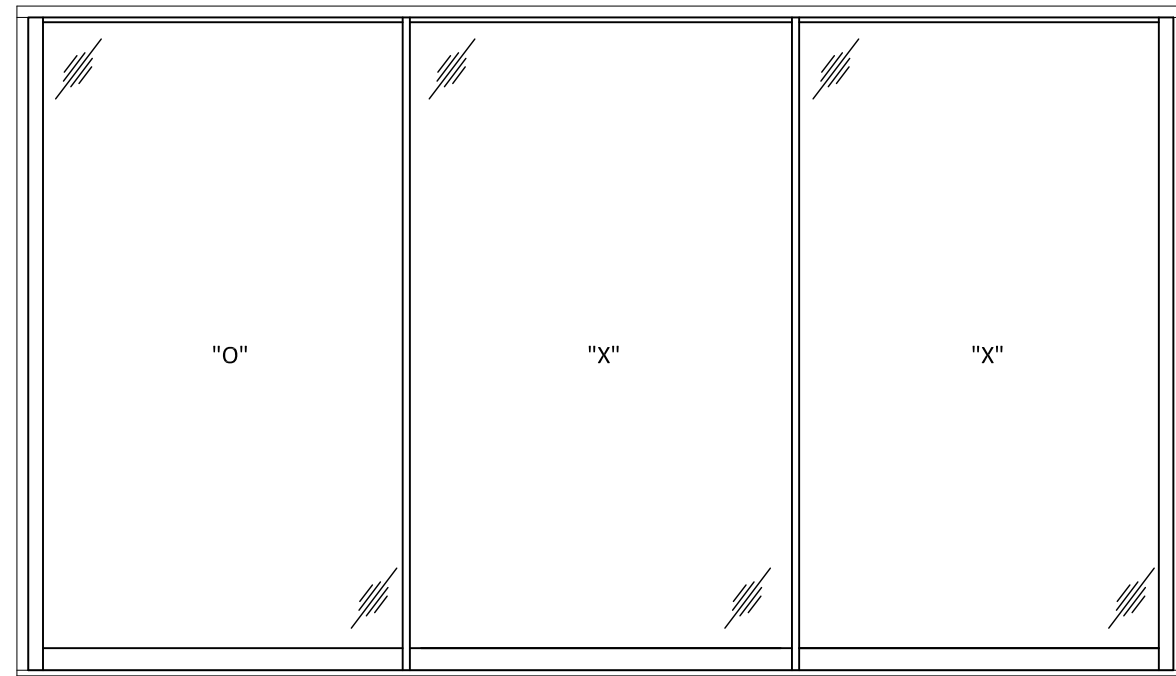
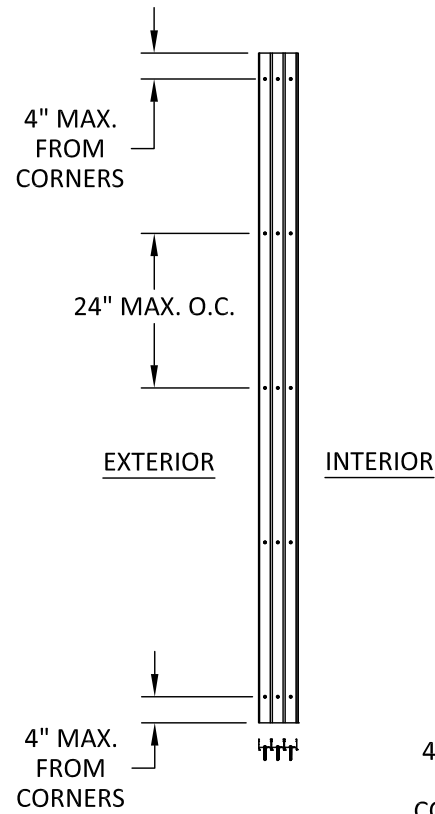
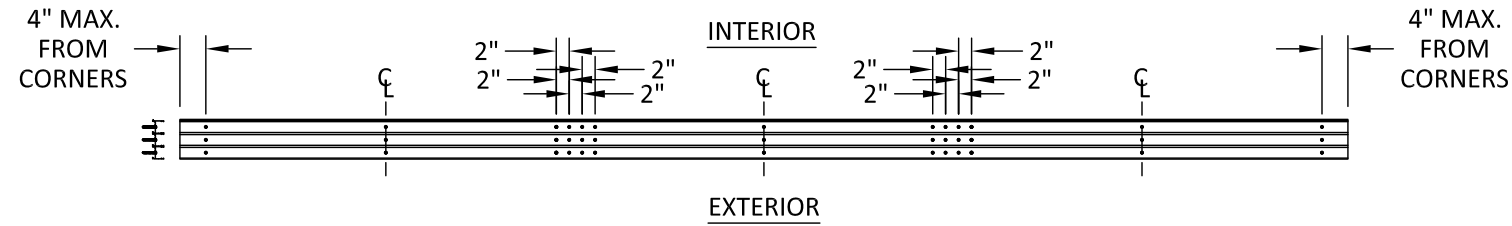
SCALE: **NTS**

DWG. #: **AVI005**

SHEET:

3

OF 10



ANCHOR LAYOUT
 THREE PANEL SLIDING GLASS DOOR
 THROUGH FRAME

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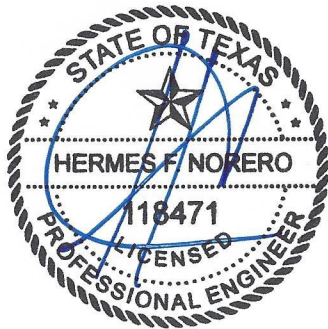
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TITLE: **MINIMAL SERIES SLIDING GLASS DOOR**
 TWO PANEL ANCHOR LAYOUT

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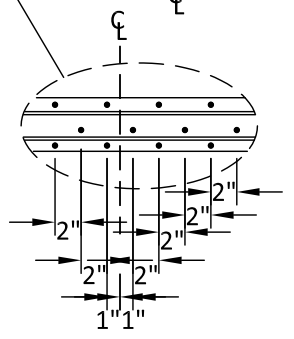
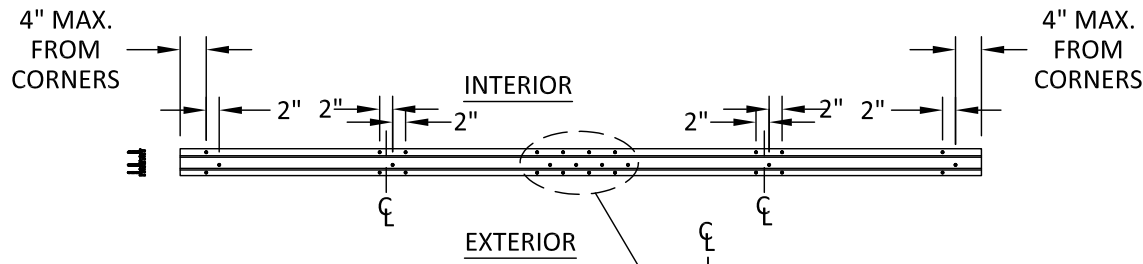
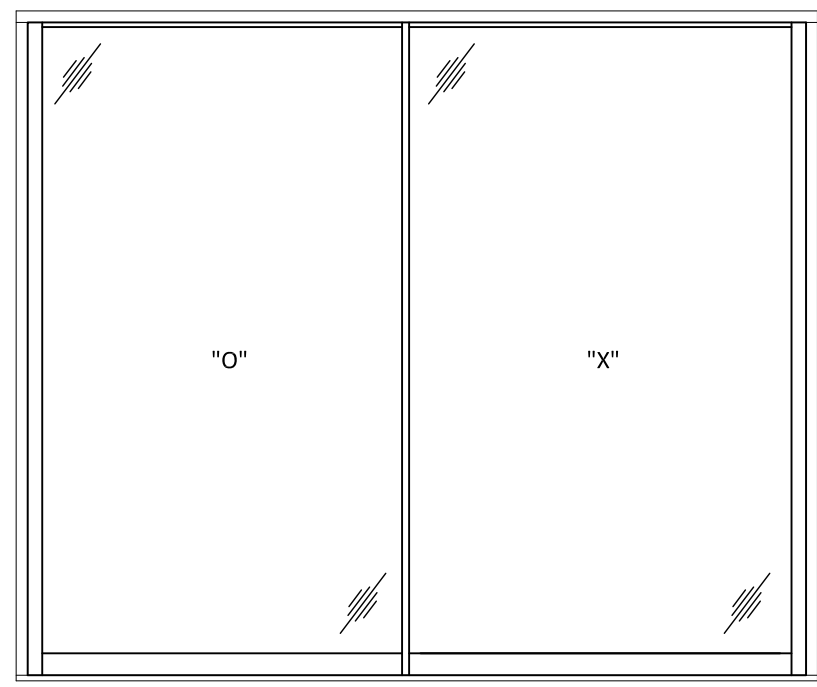
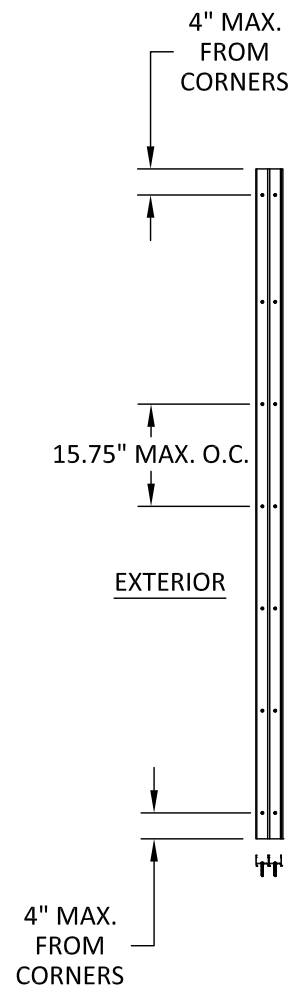
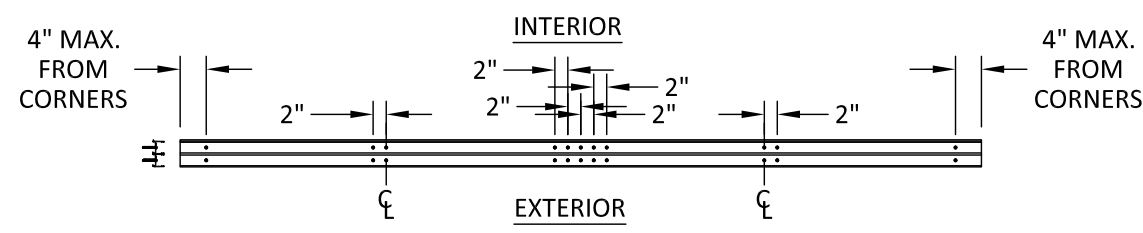
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DWG. BY:	SM
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AVI005
SHEET:	4



ANCHOR LAYOUT
 TWO PANEL SLIDING GLASS DOOR
 THROUGH FRAME

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TITLE: **MINIMAL SERIES SLIDING GLASS DOOR**
 VERTICAL SECTIONS

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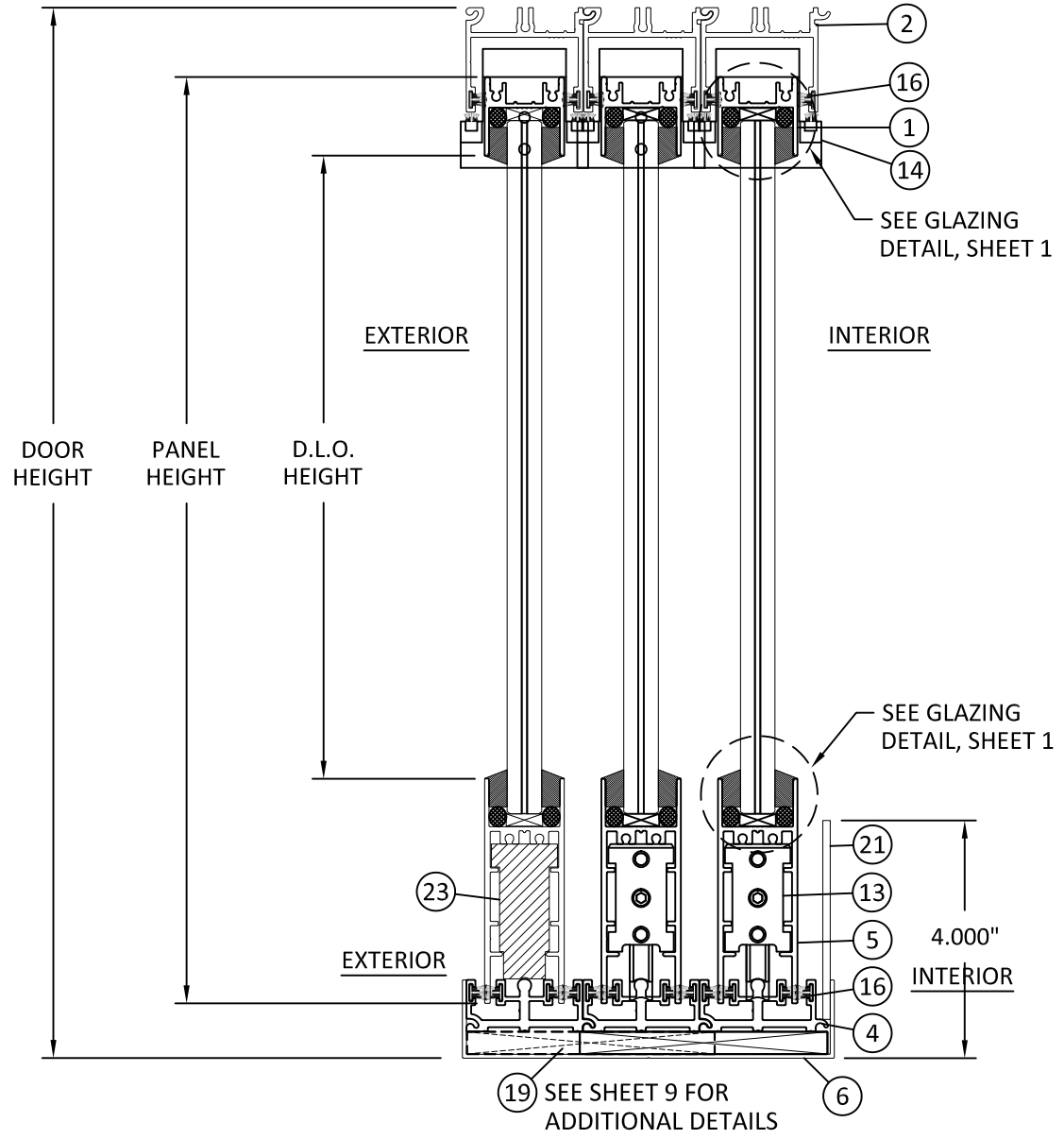
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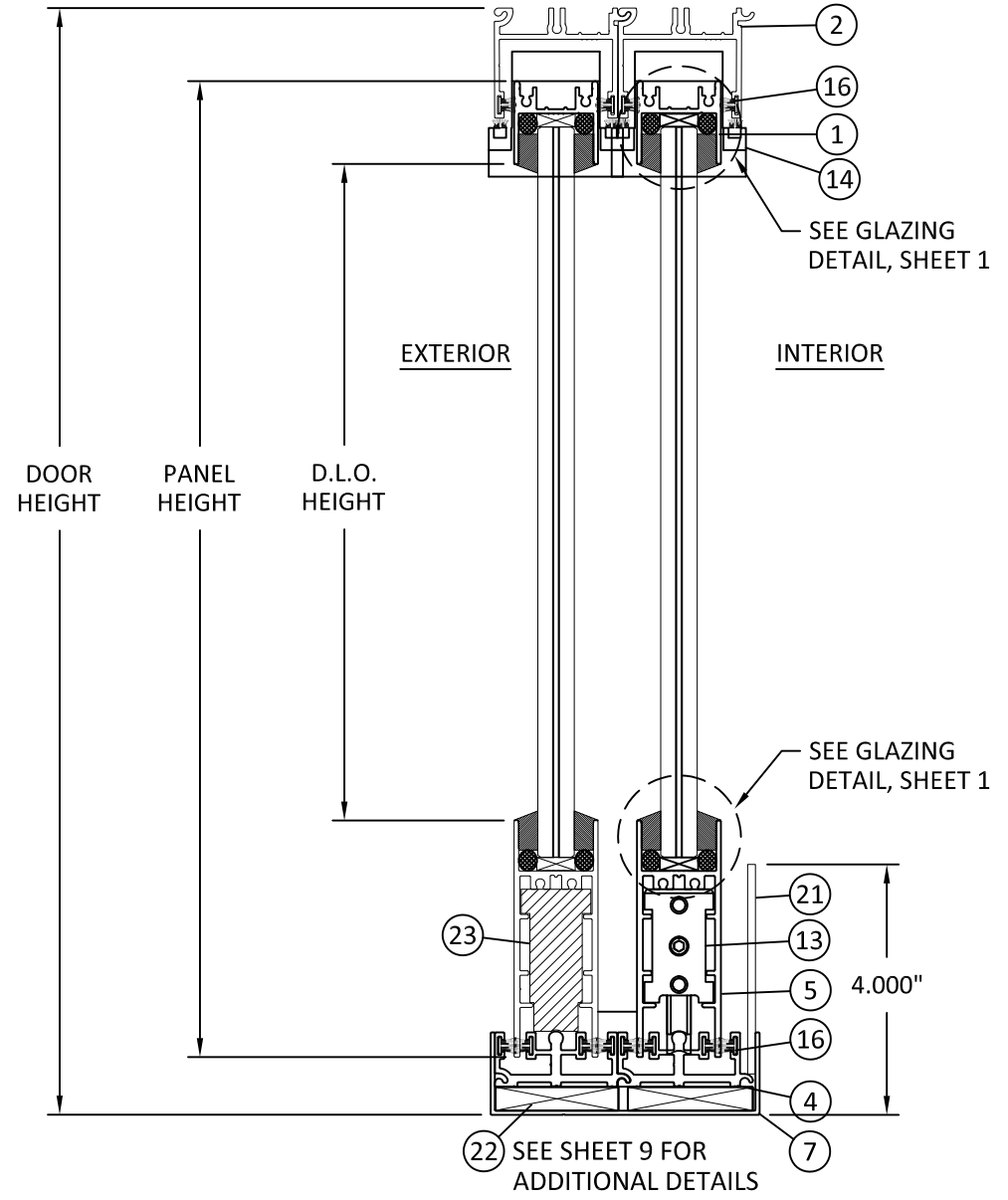


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SHEET:	5



A
5
VERTICAL SECTION
 THREE PANEL - THREE TRACK



B
5
VERTICAL SECTION
 TWO PANEL - TWO TRACK

NOTE:
 SEE SHEET 9 FOR
 DRAIN PAN DETAILS

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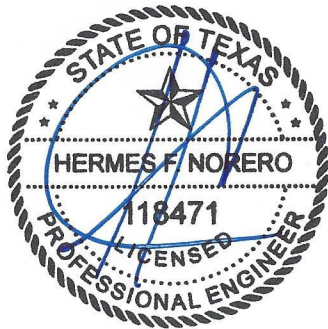


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 HORIZONTAL SECTION
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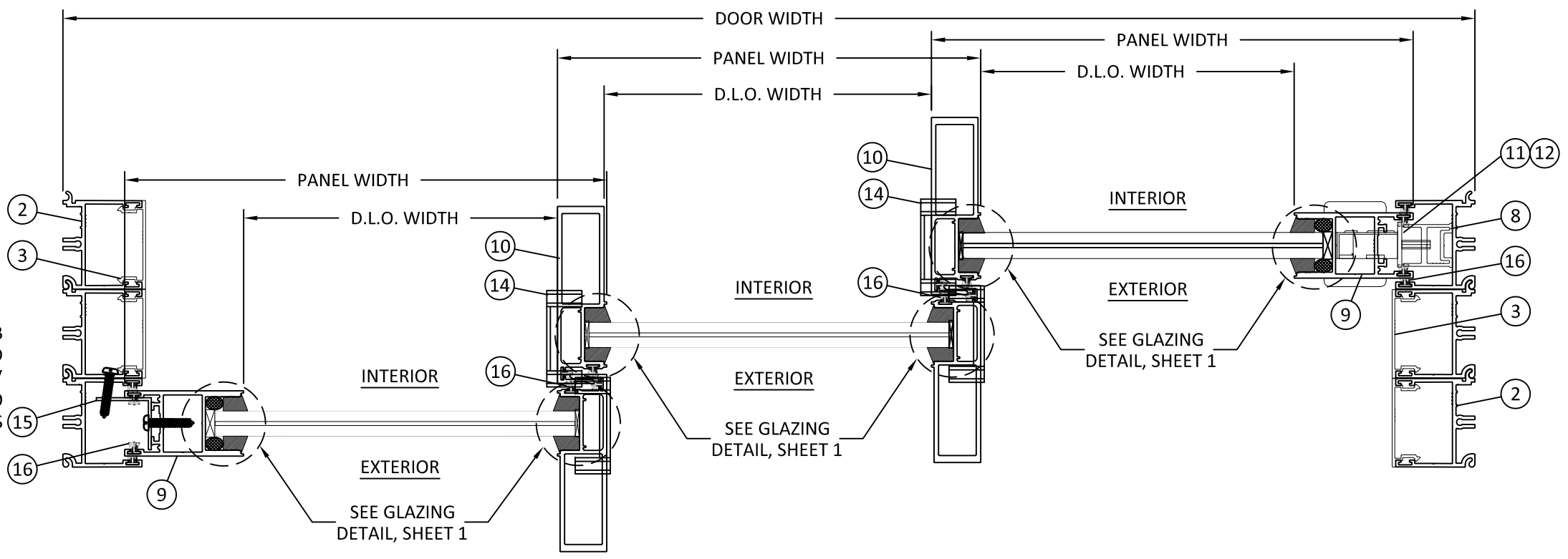


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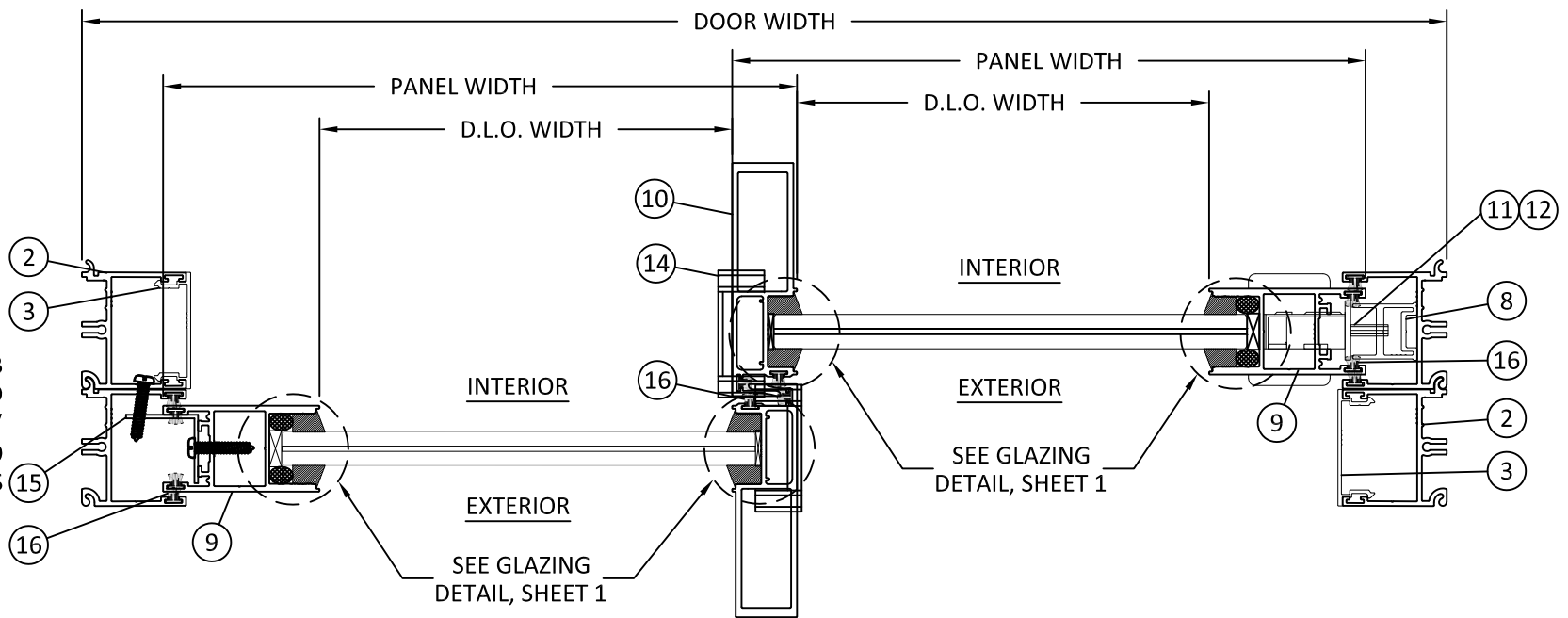
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OF 10



A
6
HORIZONTAL SECTION
 THREE PANEL - THREE TRACK

THREE PER FIXED PANEL AT JAMB
 AT 14" FROM CORNERS AND
 MIDSPAN. ATTACHED TO JAMB W/
 TWO #10 X 1" SCREWS AND TO
 STILE WITH THREE #10 X 1" SCREWS

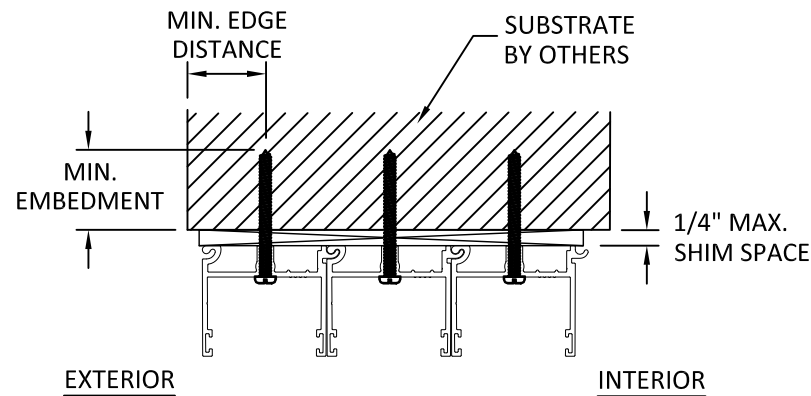


B
6
HORIZONTAL SECTION
 TWO PANEL - TWO TRACK

THREE PER FIXED PANEL AT JAMB
 AT 14" FROM CORNERS AND
 MIDSPAN. ATTACHED TO JAMB W/
 TWO #10 X 1" SCREWS AND TO
 STILE WITH THREE #10 X 1" SCREWS

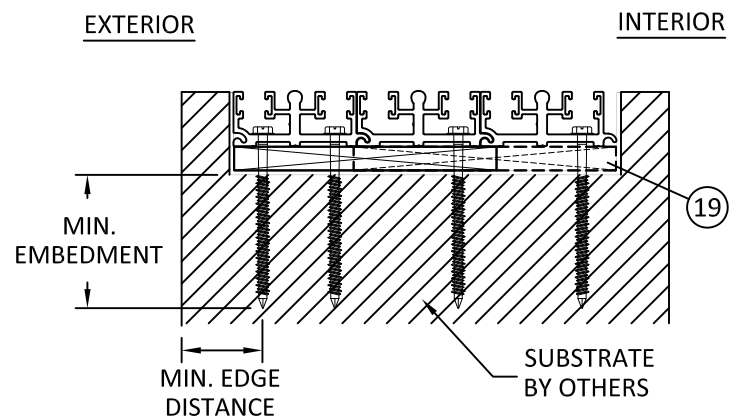
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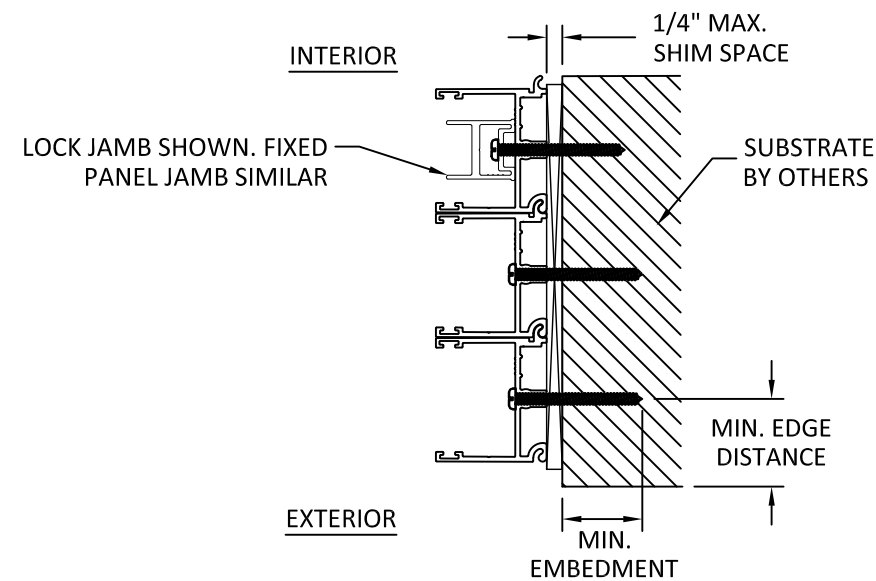
A
7 **VERTICAL SECTION**
THROUGH FRAME - HEAD

NOTE:
THREE TRACK DETAILS SHOWN, TWO TRACK DETAILS SIMILAR. SEE SHEETS 3 AND 4 FOR FURTHER QUANTITY, LOCATION, AND SPACING DETAILS.



C
7 **VERTICAL SECTION**
THROUGH FRAME - SILL

- SILL INSTALLATION NOTES:**
1. POSITION DRAINAGE TUBES AS REQUIRED BY DETAIL A/9, AND PREPARE HOLES IN DRAIN PAN (ITEM #6 OR 7), AND ROUTE TUBES THROUGH PAN, SEALING WITH SILICONE.
 2. PLACE ALUMINUM BARS (ITEM #19) AT 5" O.C., STAGGERING PLACEMENT TO BE FLUSH WITH INTERIOR AND EXTERIOR SIDE OF DRAIN PAN.
 3. DRILL HOLES THROUGH DRAIN PAN FOR INSTALLATION ANCHORS AT LOCATIONS SPECIFIED ON SHEETS 3 AND 4, AND COVER HOLES WITH SEALANT.
 4. PLACE SILL TRACK (ITEM #4) OVER ALUMINUM BARS, WITH CLEARANCE HOLES ALIGNED TO THE ANCHOR HOLES IN THE DRAIN PAN AND INSTALL INSTALLATION ANCHORS



B
7 **VERTICAL SECTION**
THROUGH FRAME - LOCK JAMB

ANCHOR SCHEDULE					
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE	MIN. SPACING BETWEEN SCREWS
THROUGH FRAME	WOOD: MIN. SG = 0.42	#10 WOOD SCREW	1.5"	0.75"	1.0"
	CONCRETE: MIN. 3000 PSI	3/16" ITW TAPCON	1.25"	2.5"	2.0"
	MASONRY: MIN. 1500 PSI ASTM C90 HOLLOW BLOCK				
	STEEL: MIN. 18 GAUGE, MIN. Fy = 33 KSI	#10 GR. 5 SELF-DRILLING OR SELF-TAPPING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.75"	1.0"
	ALUMINUM: MIN. 0.125", MIN. Fy = 16 KSI				

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
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 ±1/2 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 WITH LOAD BEARING SHIM(S) AT OR ADJACENT TO ANCHOR LOCATIONS AND AS NEEDED TO ACHIEVE A SQUARE AND PLUMB INSTALLATION. 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. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
6. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
7. 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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ANCHOR DETAILS & INSTALLATION NOTES
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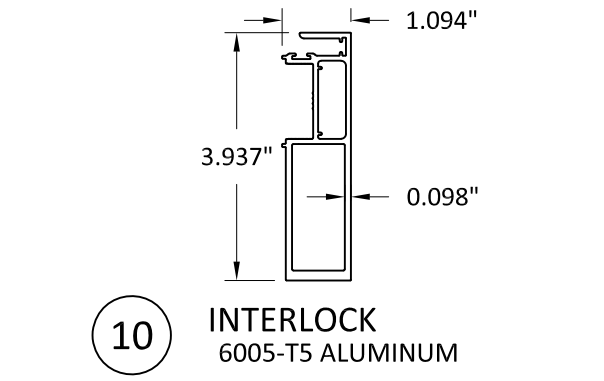
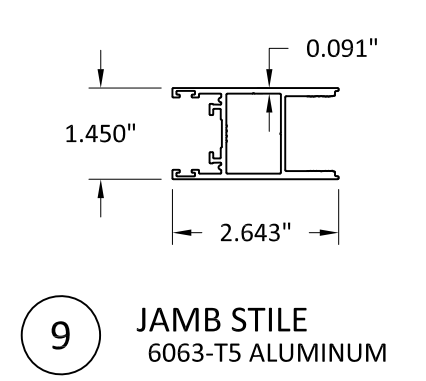
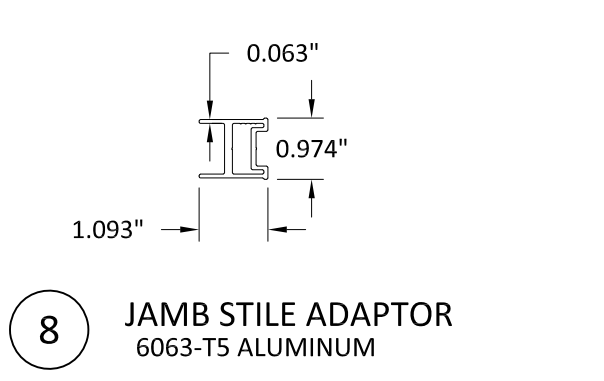
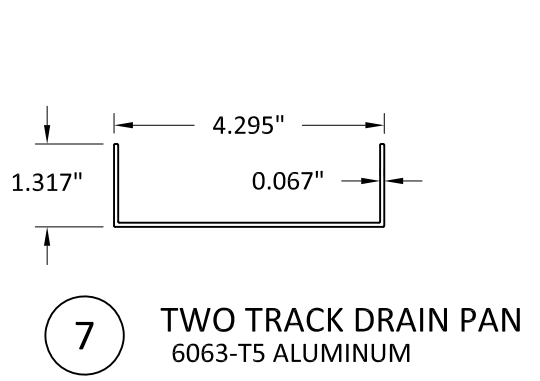
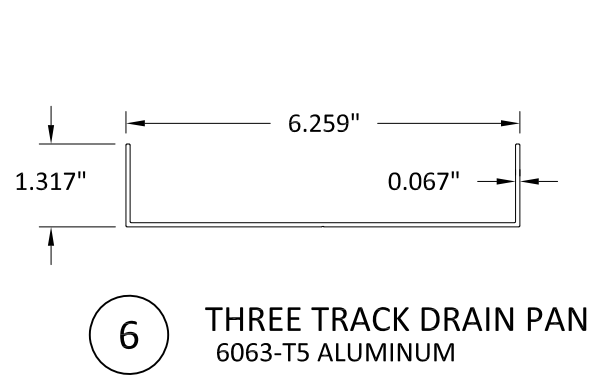
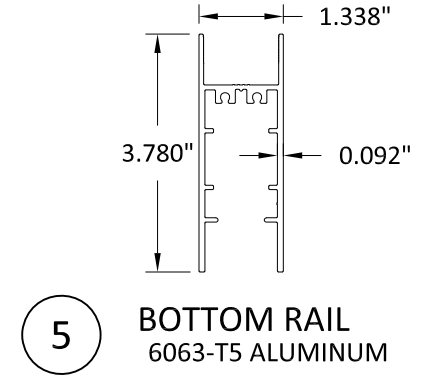
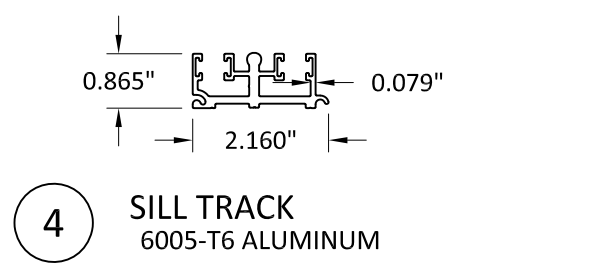
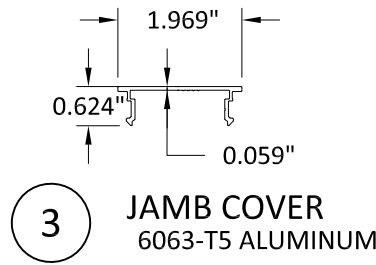
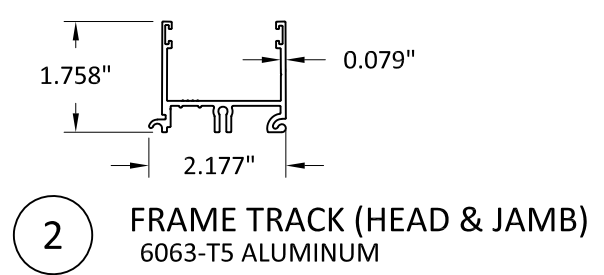
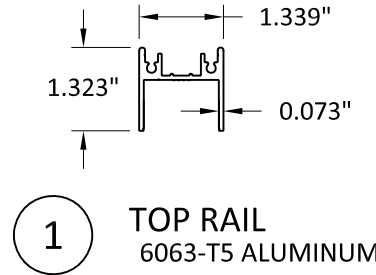
DWG. #: AVI005

SHEET:

7

BILL OF MATERIALS

ITEM NUMBER	PART NUMBER	DESCRIPTION	MATERIAL	NOTES
1	SE-2432	TOP RAIL	6063-T5	
2	SE-2435	FRAME TRACK (HEAD & JAMB)	6063-T5	
3	SE-2436	JAMB COVER	6063-T5	
4	SE-2440	SILL TRACK	6005-T6	
5	SE-2443	BOTTOM RAIL	6063-T5	
6	SE-2448	THREE TRACK DRAIN PAN	6063-T5	
7	SE-2449	TWO TRACK DRAIN PAN	6063-T5	
8	SE-2451	JAMB STILE ADAPTOR	6063-T5	
9	SE-2452	JAMB STILE	6063-T5	
10	SE-2453	INTERLOCK	6005-T5	
11	-	TRUTH NEXUS 2-PT MORTISE LOCK	STAINLESS STEEL	
12	-	TRUTH 2-PT KEEPER	STAINLESS STEEL	
13	-	PABOSE TANDEM ROLLER ASSEMBLY	STAINLESS STEEL	PART NO. GTT 280/460 HKA
14	-	SASH ALIGNMENT CLIP	6063-T5	AT TOP OF INTERLOCKS ON EXTERIOR W/ TWO #10x1" SCREWS
15	-	FIXED PANEL ANGLE (4" x 1-7/32" x 1/16")	6063-T5	SEE SHEET 6
16	-	PILE WEATHERSTRIPPING W/ FIN	-	0.280" X 0.280"
17	-	#8 x 3-1/4" FH SS SCREWS	STAINLESS STEEL	THREE PER FRAME CORNER
18	-	#8 x 2" FH SS SCREWS	STAINLESS STEEL	TWO PER PANEL CORNER
19	-	2" x 4" x 3/8" ALUMINUM BAR	6063-T5	5" O.C. UNDER TRACK
20	-	DRAIN PAN END DAM	6063-T5	
21	-	0.090" x 3.35" MIN. FLAT BAR	6063-T5 MIN.	USED AS SILL RISER. REQ'D FOR WATER RATING. 4" OVERALL HEIGHT FROM BOTTOM.
22	-	2" x 2" x 3/8" ALUMINUM BAR	6063-T5	5" O.C. UNDER TRACK
23	-	FIXED PANEL SETTING BLOCK	POLYMER	
24	-	1 3/8" x 4" x 3/8" ALUMINUM BAR	6063-T5	UNDER SILL, SEE SHEET 9
25	-	1 3/8" x 2" x 3/8" ALUMINUM BAR	6063-T5	UNDER SILL, SEE SHEET 9
26	-	1 1/4" x 1/8" ALUM. ANGLE 1 1/2" LENGTH	6063-T5	FOR XOX FIXED PANEL HEAD



AVI
glass

AVIGLASS S.A DE C.V
MAIZ 180-2, GRANJAS ESMERALDA,
IZTAPALAPA, 09810, CIUDAD DE MÉXICO, MEXICO
PH: (01 55) 56 70 03 57 FX: (01 55) 56 70 03 37

TITLE: MINIMAL SERIES SLIDING GLASS DOOR
BILL OF MATERIALS, COMPONENTS, AND DRAINAGE DETAIL

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HERE IN 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.
TEXAS P.E. No 118471
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
TBPFE FIRM NO. 13734

DATE: 05.01.20

DWG. BY: SM CHK. BY: HFN

SCALE: NTS

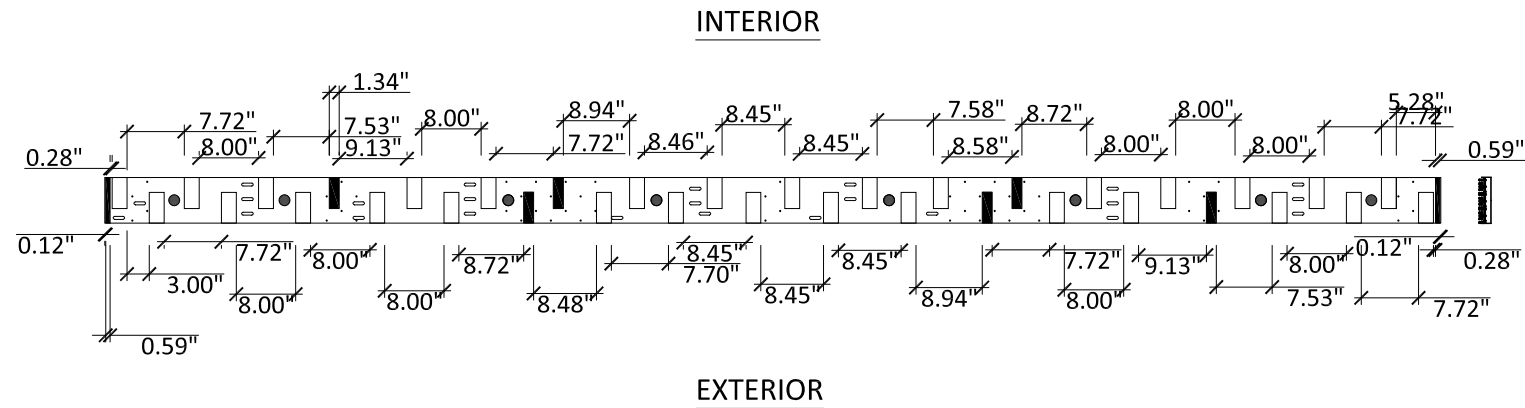
DWG. #: AVI005

SHEET: 8 OF 10

11/18/2020 10:56 PM s:\projects\avi\glass.s.a.de.c.v\tdi-19-0449 (minimal series sliding glass door)\dwgs\av005 seicento forte minimal wz3.dwg

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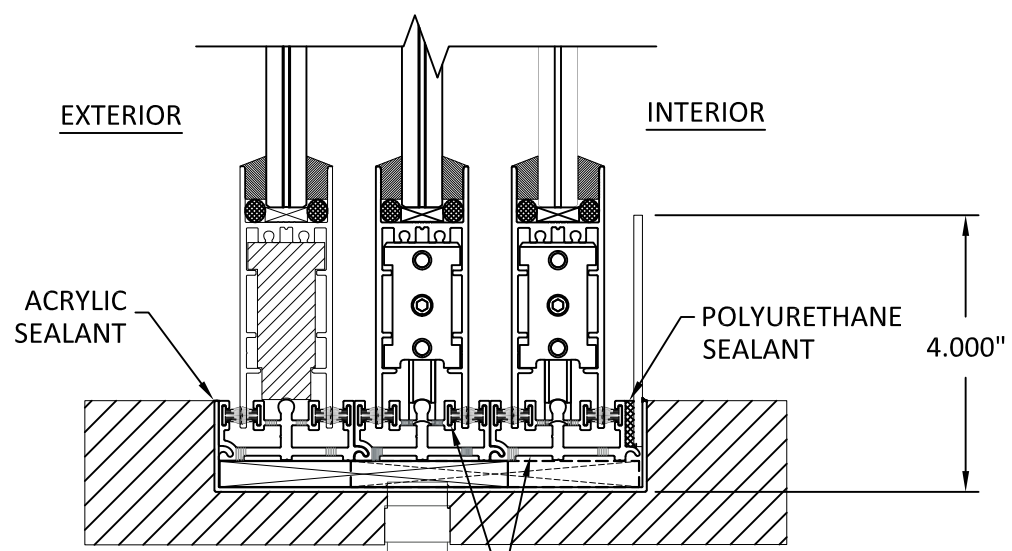
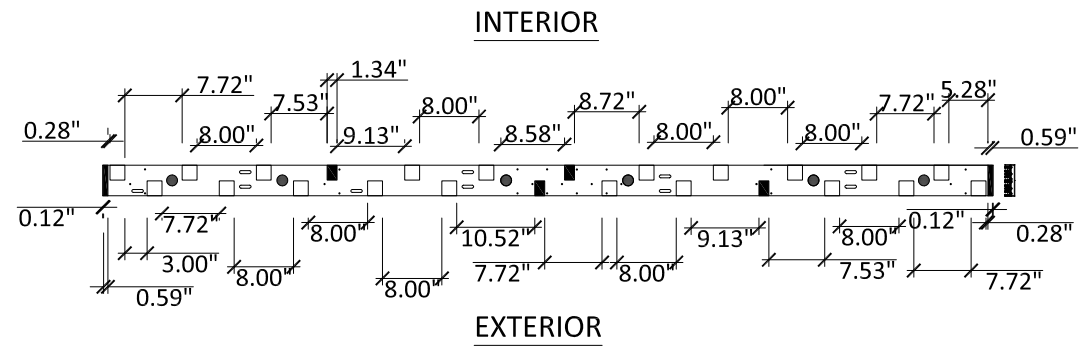
**THREE TRACK DRAIN PAN
PLAN DETAIL**



LEGEND

- = DRAIN TUBE
- = INSTALLATION ANCHORS
- = 2" X 4" X 3/8" ALUMINUM SPACER (#19)
- = 2" X 2" X 3/8" ALUMINUM SPACER (#20)
- ▬ = 1 3/8" X 4" X 3/8" ALUMINUM SPACER (#24)
- ▬ = 1 3/8" X 4" X 3/8" ALUMINUM SPACER (#25)
- = WEEP SLOTS
- ▬ = DRAIN PAN END DAM (#20)

**TWO TRACK DRAIN PAN
PLAN DETAIL**



1-1/2" MIN. DIA. DRAIN TUBE TO EXTERIOR AT 9" AND 24" FROM ENDS AND 12" FROM INTERLOCKS

1" X 3/16" WEEP SLOTS AT 1 1/2" FROM END OF ACTIVE PANEL AND 8" O.C. TO FIXED PANEL, AND 15" O.C. AT FIXED PANEL

**A
9** **VERTICAL SECTION**
SILL DRAINAGE DETAIL

NOTE:
RECESSED SILL DRAIN PAN AND 4" DAM HEIGHT REQUIRED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED. TRACKS MAY BE MOUNTED WITHOUT DRAIN PAN WHERE DOOR LOCATION IS PROVIDED WITH AN OVERHANG SUCH THAT THE OVERHANG RATIO OF OVERHANG LENGTH/OVERHANG HEIGHT IS EQUAL TO OR GREATER THAN 1.0. THREE TRACK SHOWN, TWO TRACK SIMILAR.



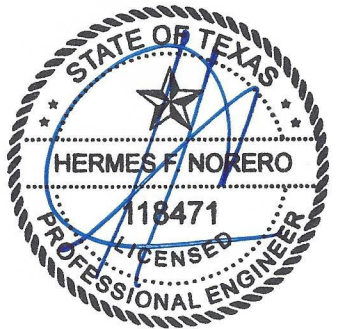
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IZTAPALAPA, 09810, CIUDAD DE MÉXICO, MEXICO
PH: (01 55) 56 70 03 57 FX: (01 55) 56 70 03 37

TITLE: MINIMAL SERIES SLIDING GLASS DOOR
DRAINAGE DETAILS

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DWG. BY:	SM
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AVI005
SHEET:	9