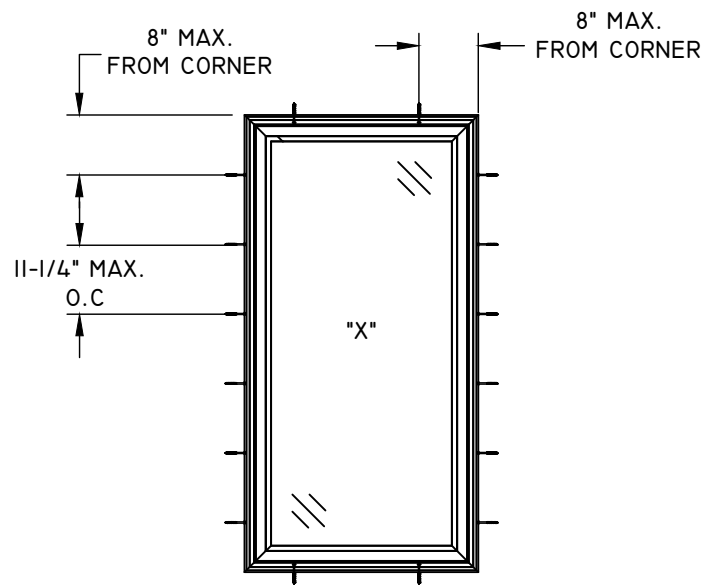
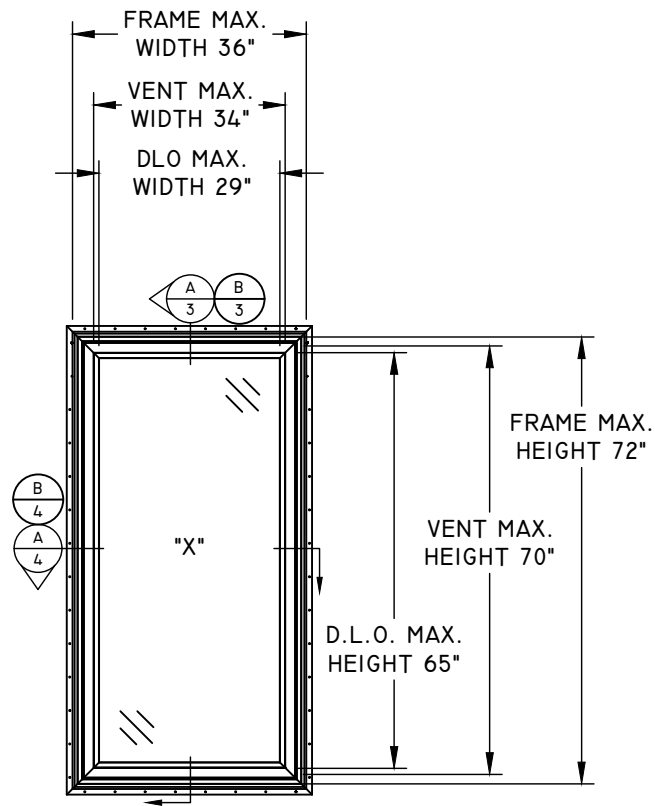
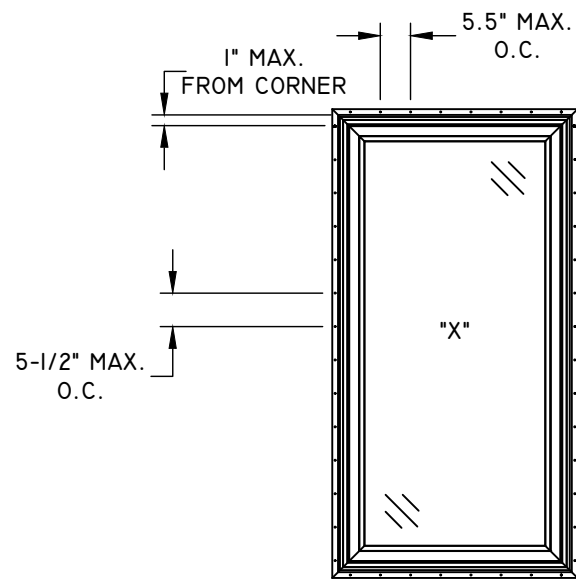




ANCHOR LAYOUT
FINLESS



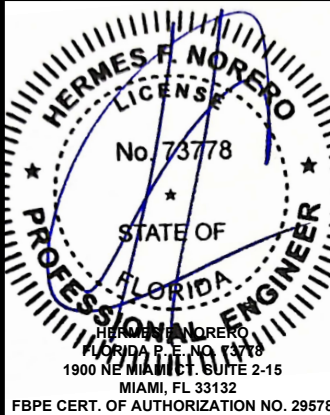
ANCHOR LAYOUT
FIN

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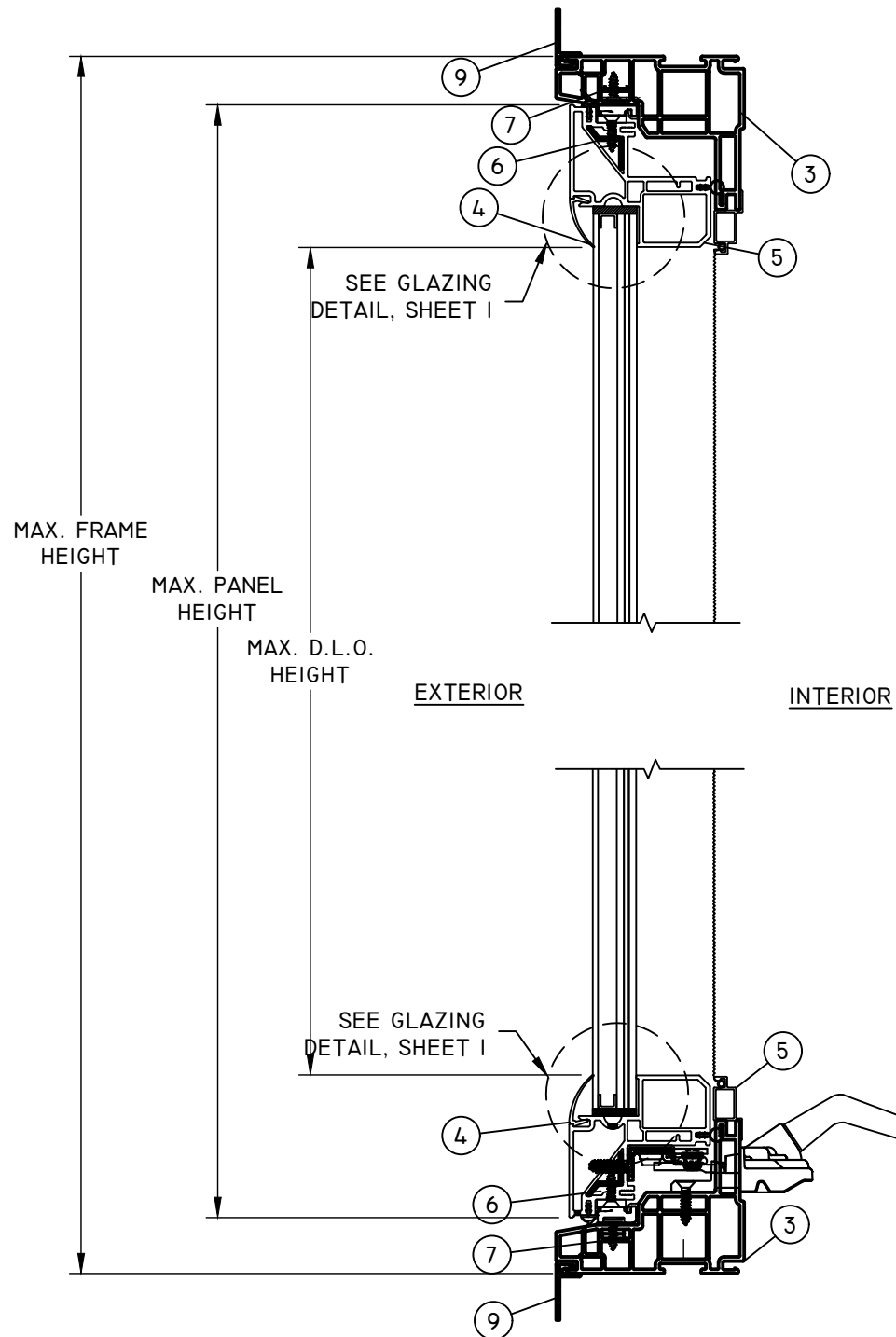
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NO.	REVISION DESCRIPTION	BY	DATE
A	7TH EDITION 2020 FBC	LMH	12.04.20
B	8TH EDITION 2023 FBC	LMH	12.09.23
C	CURRENT FBC & EC24-100	LMH	02.26.25

DATE: 10.16.17	DWN BY: RV	CHK BY: HFN	SCALE: NTS
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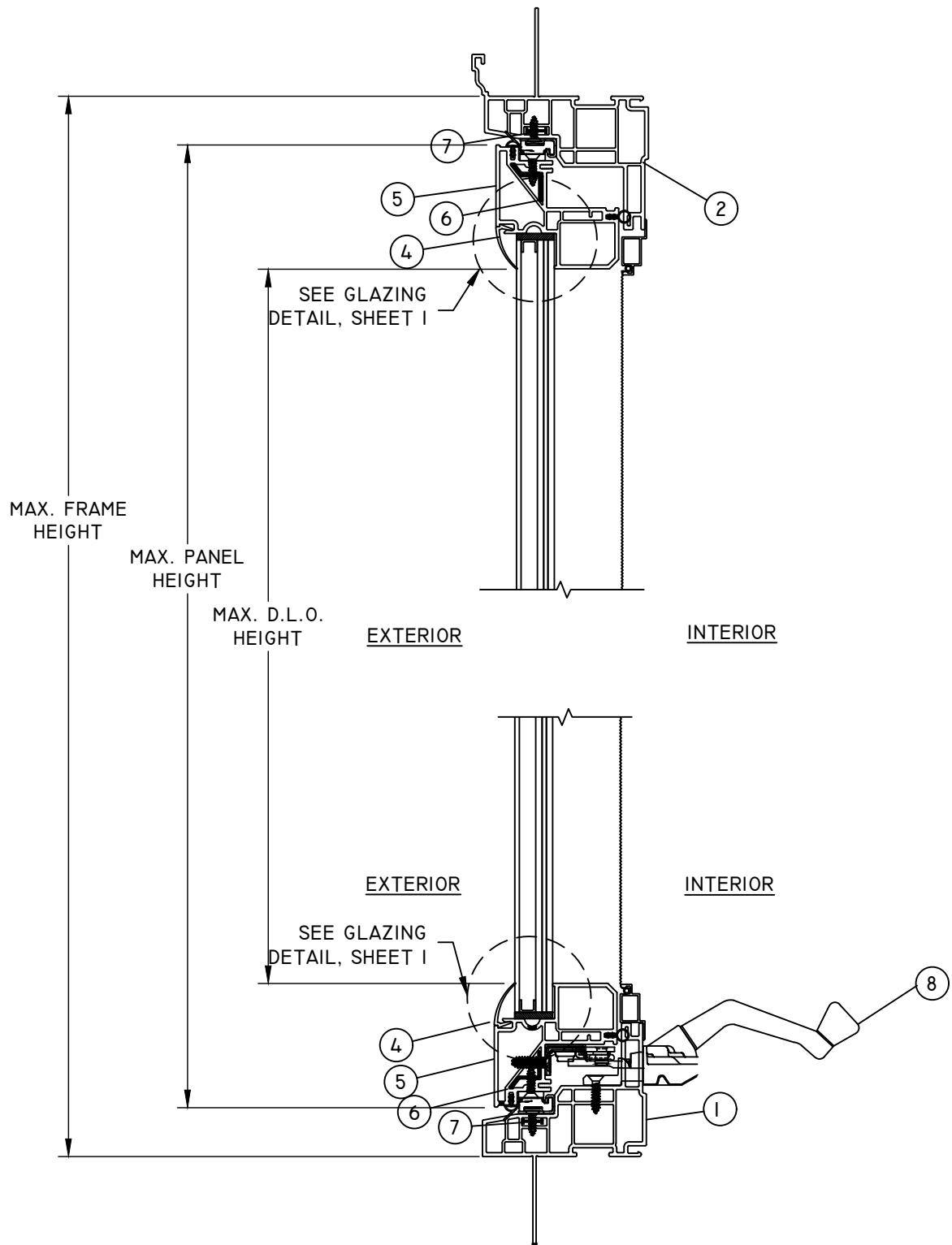
FL #:	21335
DWG #:	SWD046
SHEET:	2 OF 6



NOTE:
1. NAIL FIN INSTALLATION MAY USE OPTIONAL J-CHANNEL SUCH THAT TYPICAL INSTALLATION METHODS AND ANCHOR REQUIREMENTS ARE MET.
2. THROUGH FRAME INSTALLATION MAY USE AN OPTIONAL SNAP ON FLANGE SUCH THAT TYPICAL INSTALLATION AND ANCHOR REQUIREMENTS ARE MET.

NOTE: IX WOOD BUCK BY OTHERS IS OPTIONAL FOR MASONRY APPLICATIONS.

A
3 **VERTICAL SECTION**
THROUGH FRAME INSTALLATION

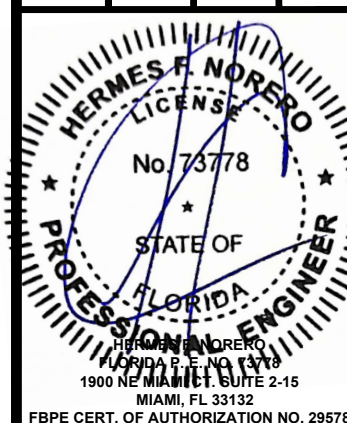


B
3 **VERTICAL SECTION**
NAIL FIN INSTALLATION

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DOORS

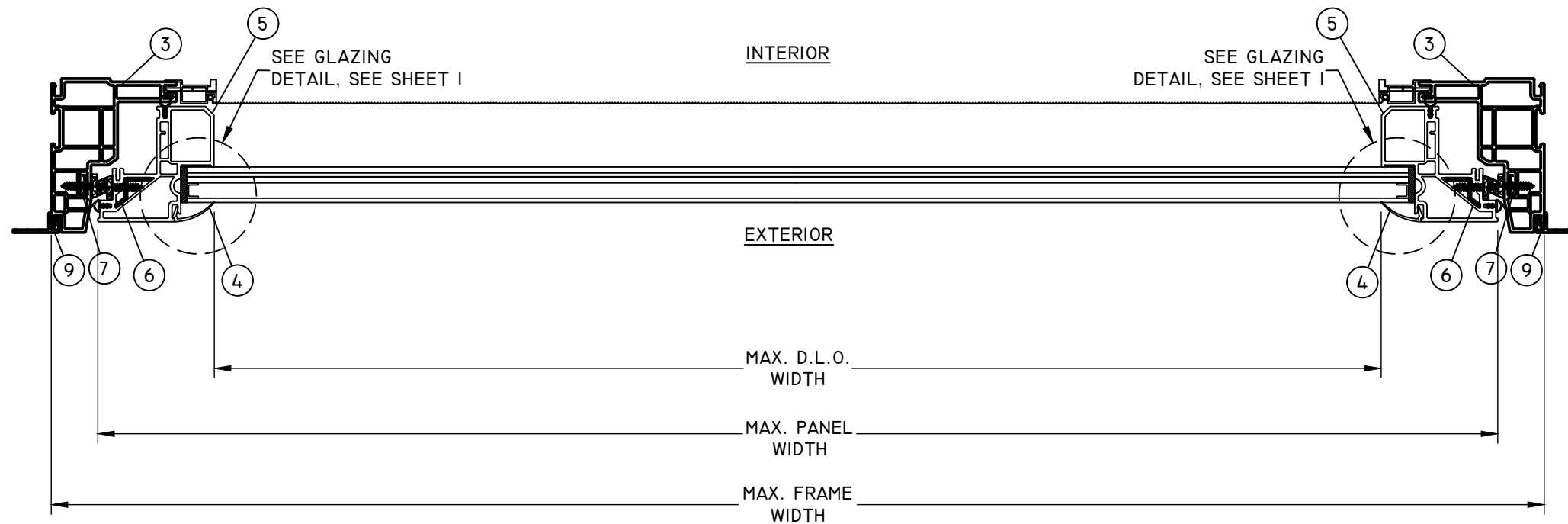
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PH: (888) 741-0354

TITLE: V3 SERIES/70 SERIES CASEMENT (HVHZ) (IMPACT) VERTICAL SECTIONS			
DATE:	BY:	REVISION DESCRIPTION	DATE
10.16.17	LMH	7TH EDITION 2020 FBC	12.04.20
	LMH	8TH EDITION 2023 FBC	12.09.23
	LMH	CURRENT FBC & EC24-100	02.26.25



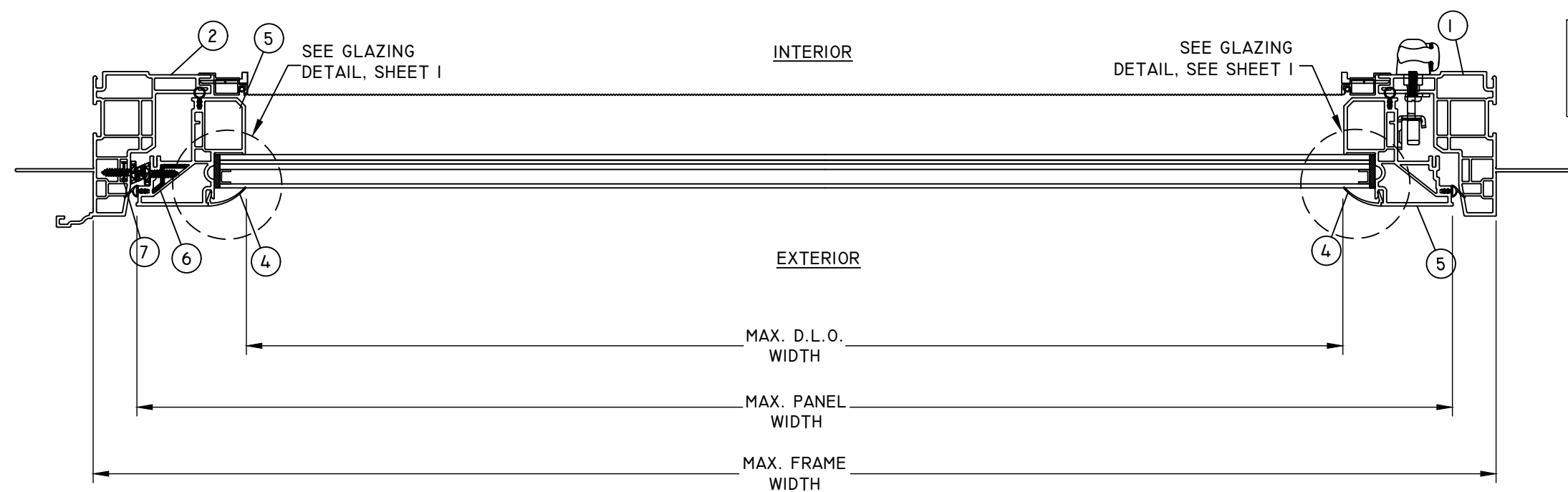
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FL #: **21335**
DWG #: **SWD046**
SHEET: **3 OF 6**



A
4 **HORIZONTAL SECTION**
THROUGH FRAME INSTALLATION

NOTE:
1. NAIL FIN INSTALLATION MAY USE OPTIONAL J-CHANNEL SUCH THAT TYPICAL INSTALLATION METHODS AND ANCHOR REQUIREMENTS ARE MET.
2. THROUGH FRAME INSTALLATION MAY USE AN OPTIONAL SNAP ON FLANGE SUCH THAT TYPICAL INSTALLATION AND ANCHOR REQUIREMENTS ARE MET.



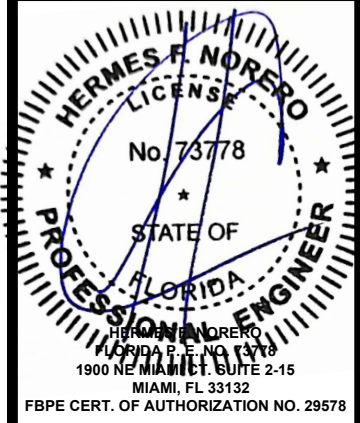
B
4 **HORIZONTAL SECTION**
NAIL FIN INSTALLATION

NOTE: IX WOOD BUCK BY OTHERS IS OPTIONAL FOR MASONRY APPLICATIONS.

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TITLE: V3 SERIES/70 SERIES CASEMENT (HVHZ) (IMPACT HORIZONTAL SECTIONS)			
DATE:	DWN BY:	REVISION DESCRIPTION	BY
10.16.17	RV		
CHK BY:			DATE
HFN			
SCALE:			
NTS			



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FL #: **21335**
DWG #: **SWD046**
SHEET: **4 OF 6**



INSTALLATION NOTES:

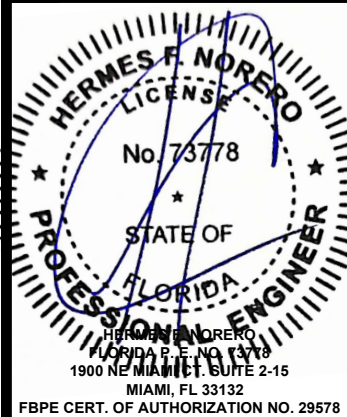
1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ INCH THE 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 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 1×4 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.
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.

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE
NAIL FIN ANCHOR DETAIL	WOOD: MIN. SG = 0.55	#8 WOOD SCREW FLAT HEAD	1-1/2"	3/4"
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI	#8 TEK SCREW FLAT HEAD	3 THREADS MIN PENETRATION BEYOND METAL	3/4"
THROUGH FRAME ANCHOR DETAIL	WOOD: MIN. SG = 0.55	#10 WOOD SCREW FLAT HEAD	1-1/2"	3/4"
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI	#10 TEK SCREW FLAT HEAD	3 THREADS MIN PENETRATION BEYOND METAL	3/4"
	CONCRETE: fc=3000PSI	3/16" ITW TAPCON FLATHEAD	1-1/4"	1-3/4"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON FLATHEAD	1-1/4"	1-3/4"

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TITLE: V3 SERIES/70 SERIES CASEMENT (HVHZ) (IMPACT INSTALLATION NOTES & ANCHOR DETAILS			
NO.	REVISION DESCRIPTION	BY	DATE
A	7TH EDITION 2020 FBC	LMH	12.04.20
B	8TH EDITION 2023 FBC	LMH	12.09.23
C	CURRENT FBC & EC24-100	LMH	02.26.25

DATE:	10.16.17
DWN BY:	RV
CHK BY:	HFN
SCALE:	NTS



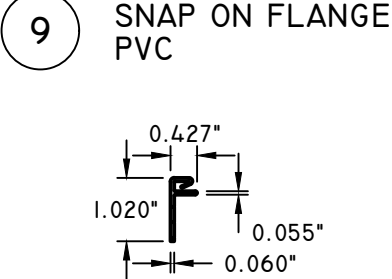
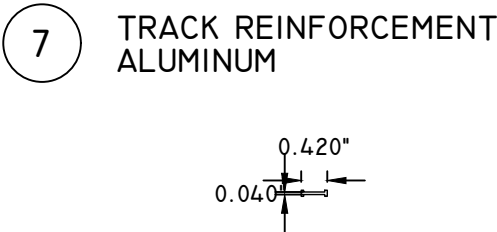
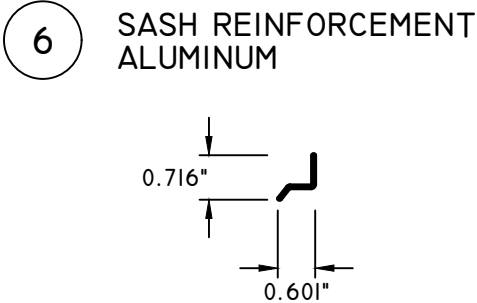
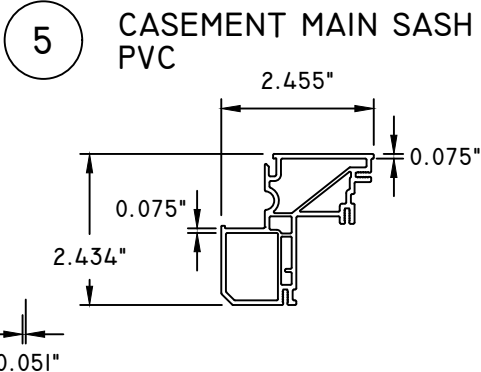
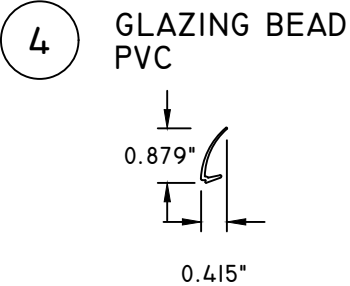
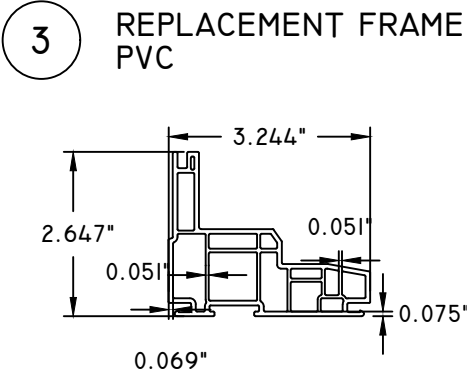
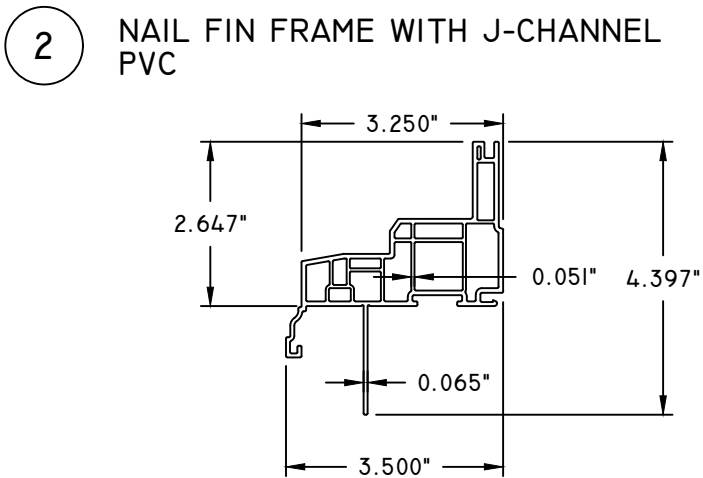
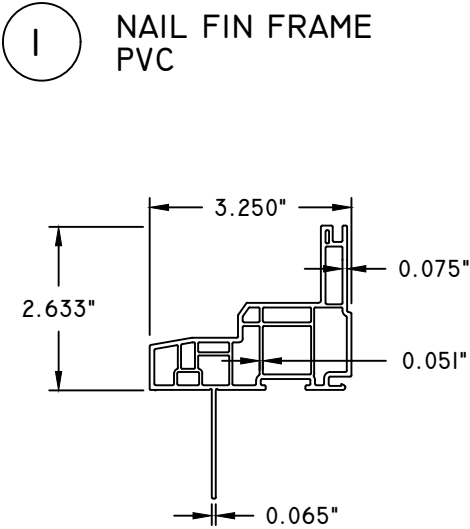
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FL#: 21335

DWG #:
SWD046

SHEET: 5 OF 6

BILL OF MATERIALS			
ITEM #	DESCRIPTION	MANUFACTURER	MATERIAL
1	NAIL FIN FRAME	SILVERLINE	PVC
2	NAIL FIN FRAME WITH J-CHANNEL	SILVERLINE	PVC
3	REPLACEMENT FRAME	SILVERLINE	PVC
4	GLAZING BEAD	SILVERLINE	PVC
5	CASEMENT MAIN SASH	SILVERLINE	PVC
6	SASH REINFORCEMENT	SILVERLINE	ALUMINUM
7	TRACK REINFORCEMENT	SILVERLINE	ALUMINUM
8	SS ENCORE DUAL ARM OPERATOR	SILVERLINE	ALUMINUM
9	SNAP ON FLANGE	SILVERLINE	PVC

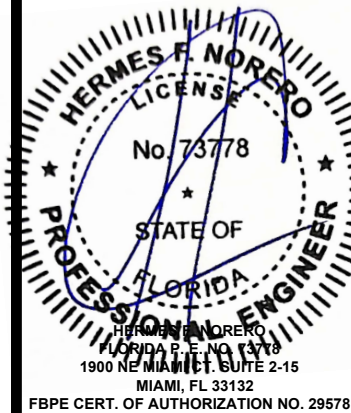


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TITLE: V3 SERIES/70 SERIES CASEMENT (HVHZ) (IMPACT) BILL OF MATERIALS & COMPONENTS			
NO.	REVISION DESCRIPTION	BY	DATE
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B	8TH EDITION 2023 FBC	LMH	12.09.23
C	CURRENT FBC & EC24-100	LMH	02.26.25

DATE: 10.16.17	DWN BY: RV	CHK BY: HFN	SCALE: NTS
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FL #: 21335

DWG #: SWD046

SHEET: 6 OF 6