

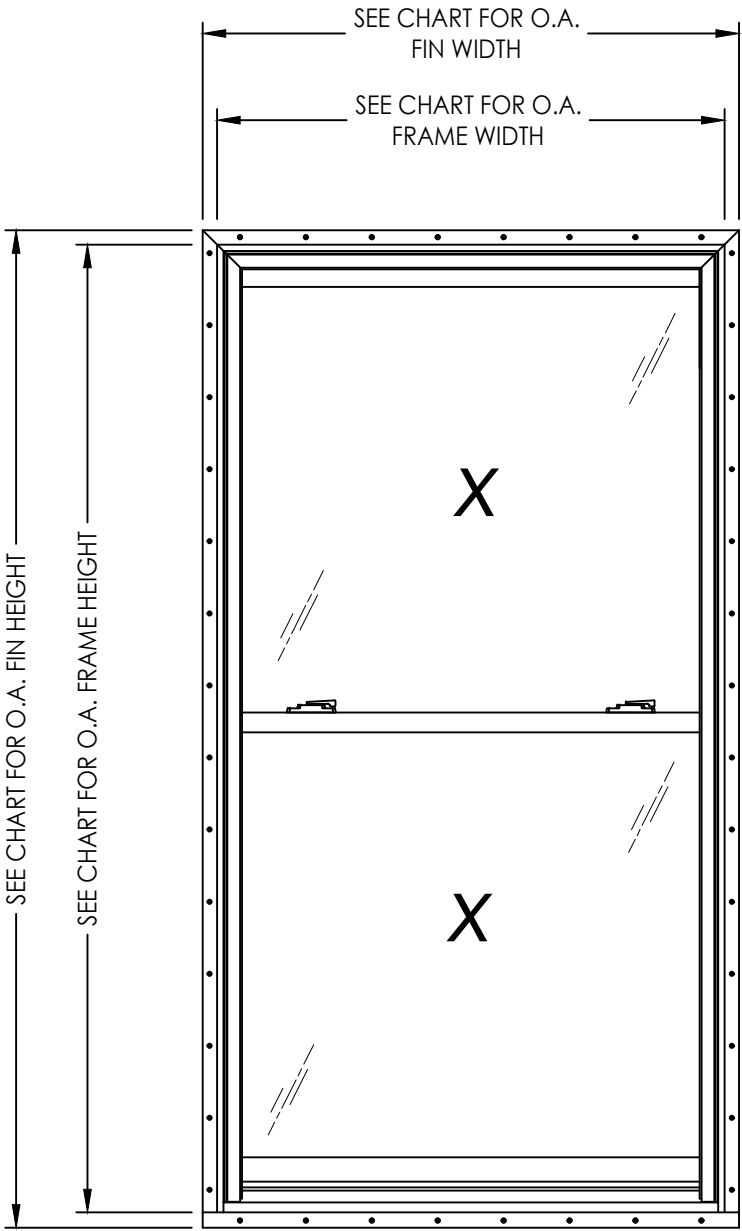
287 FREEHILL RD.
HENDERSONSVILLE, TN 37075

**SERIES 8017
EXTRUDED VINYL
DOUBLE HUNG WINDOW
w/ NAILING FIN
"NON-IMPACT"**

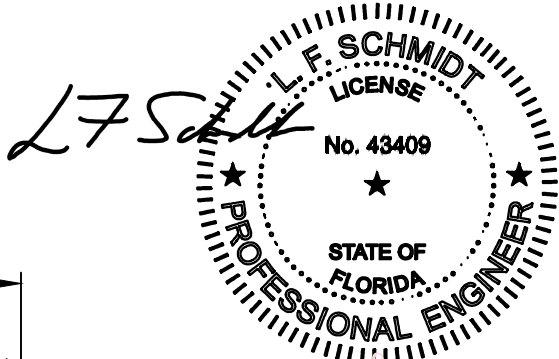
GENERAL NOTES

- 1. This product anchoring drawing has been developed in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ). See the Certification Agency Certificate for sizes, specifications and ratings.
- 2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- 3. When used in areas requiring wind borne debris protection, this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
- 4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevation, general notes & design pressure
2	Vertical & horizontal cross sections masonry construction
3	Vertical cross sections stud construction
4	Buck & frame anchoring
5	Bill of materials, components & glazing detail



OVERALL FIN DIMENSION	OVERALL FRAME DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
50.0" X 74.56"	47.5" X 71.25"	43.5" X 31.0"	G1	+35.0	-35.0
38.0" X 74.56"	35.5" X 71.25"	31.5" X 31.0"	G1	+40.0	-40.0



Digitally signed by Lyndon F Schmidt
Date: 2024.03.11 08:54:02 -04'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
DOUBLE HUNG WINDOW

PART OR ASSEMBLY:
TYPICAL ELEVATION, GENERAL
NOTES & DESIGN PRESSURE

DATE: 01/17/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

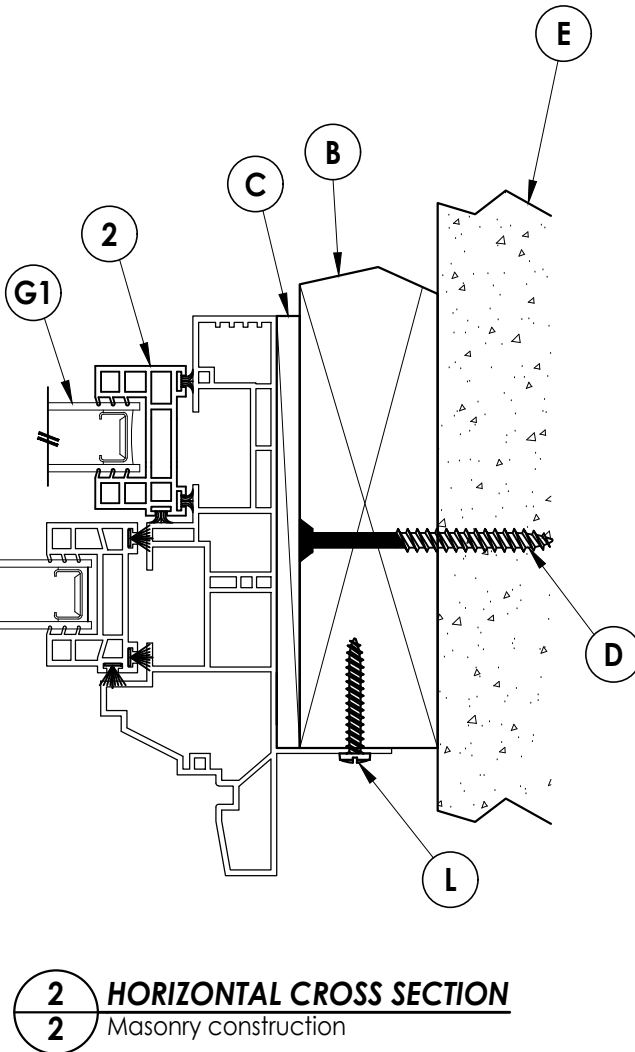
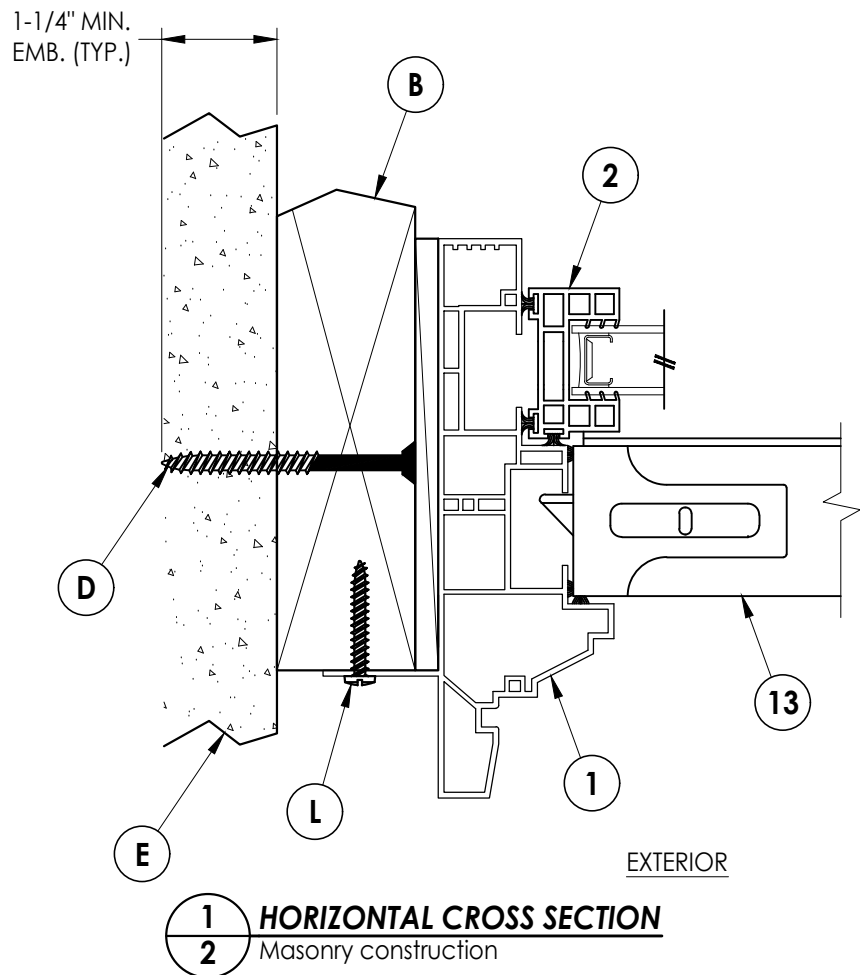
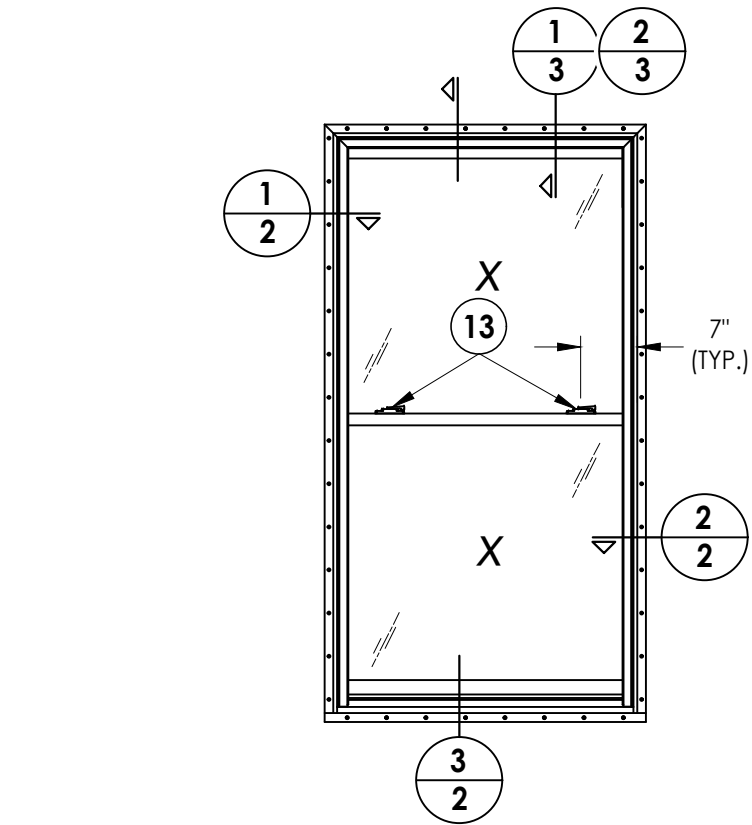
DRAWING NO.: FL-9604.10

SHEET 1 OF 5

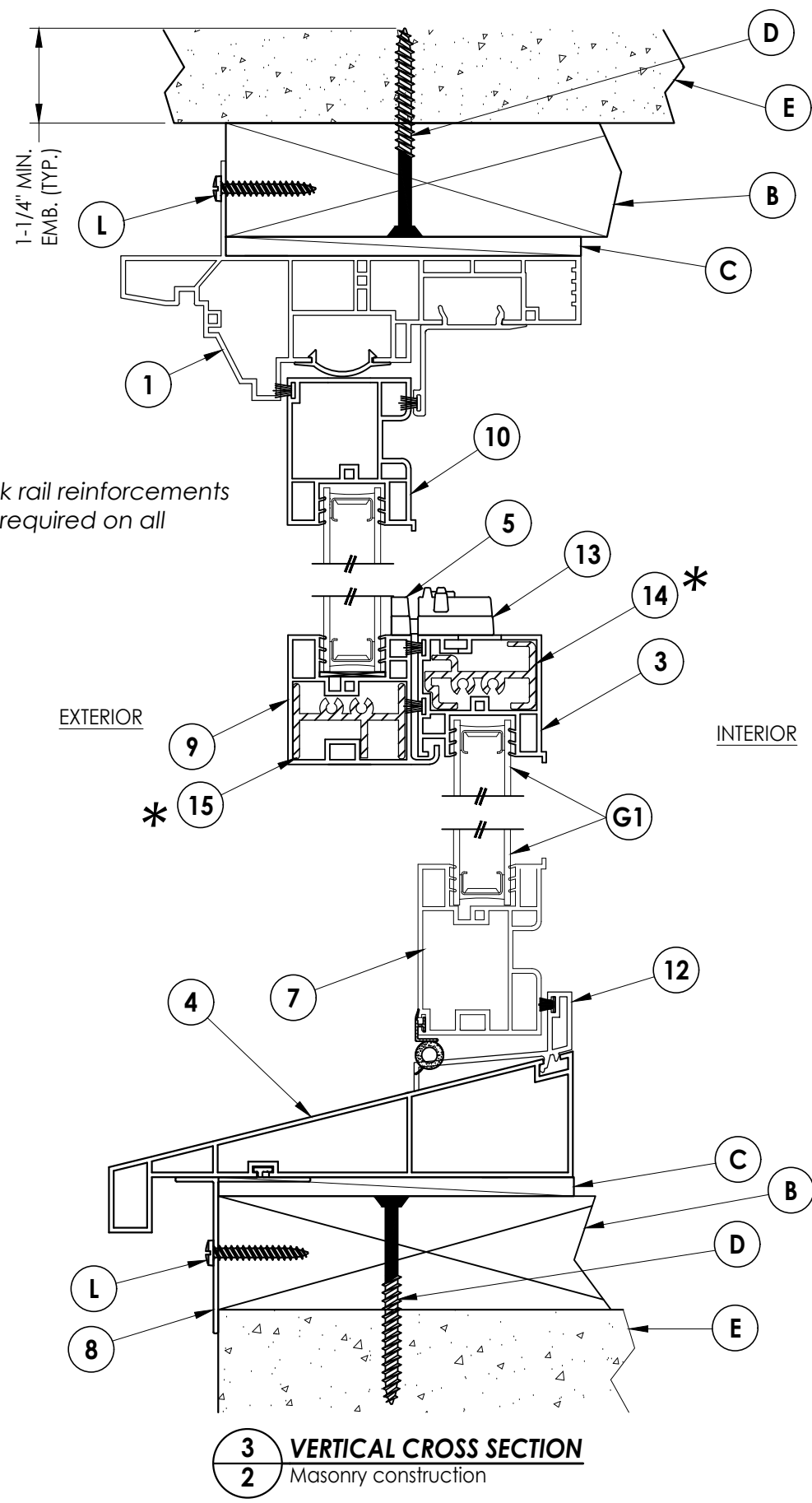
RW

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FBPE Registry No. 9813

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* NOTE: Meeting & lock rail reinforcements (Items #14 & 15) are required on all frame widths > 35.5".



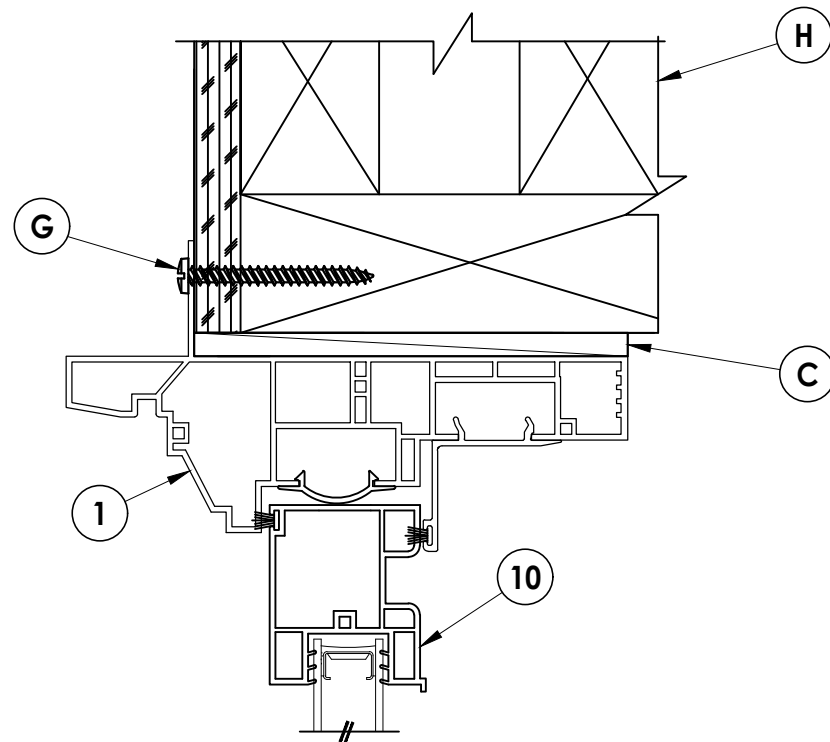
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PRODUCT: DOUBLE HUNG WINDOW
PART OR ASSEMBLY: VERTICAL & HORIZONTAL CROSS SECTIONS MASONRY CONSTRUCTION

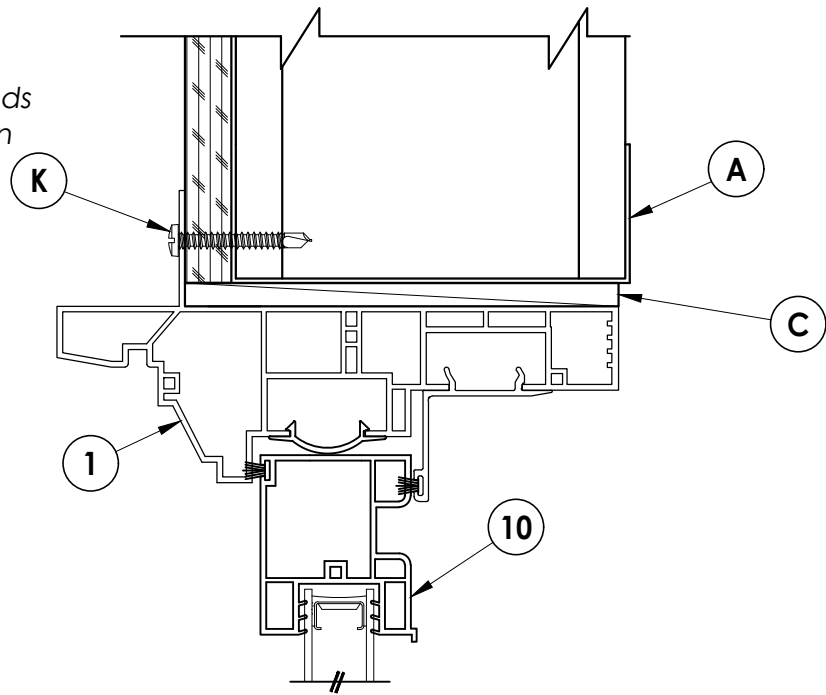
NO.	DATE	REVISIONS	BY

DATE: 01/17/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-9604.10
SHEET 2 OF 5



1 **VERTICAL CROSS SECTION**
3 2x Stud Construction

NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through Steel stud. Maintain a min. 5/8" edge distance.



2 VERTICAL CROSS SECTION
3 Shown w/ Steel Stud framing option

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DATE:	01/17/24
SCALE:	N.T.S.
DWG. BY:	LFS
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DRAWING NO.:	FL-9604.10
SHEET	<u>3</u> OF <u>5</u>

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1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
3. Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRA-CON®	1/4"	1-1/4"	1"	4"

1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

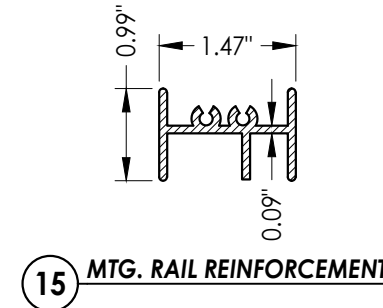
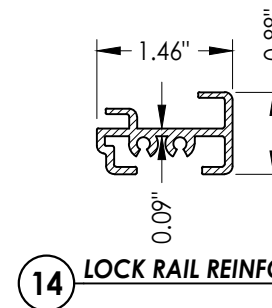
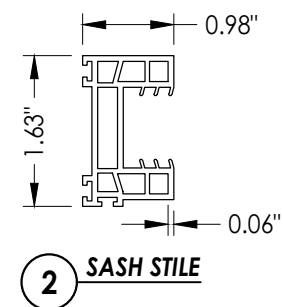
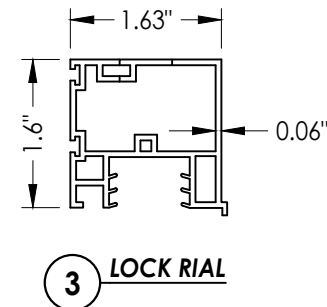
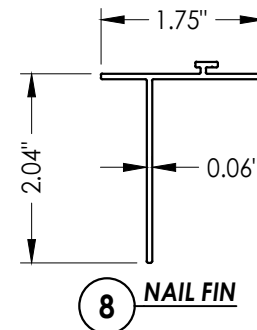
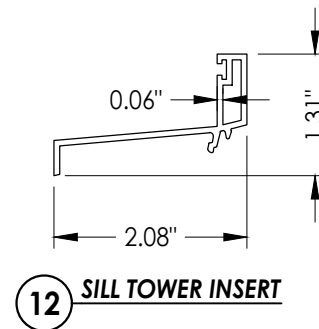
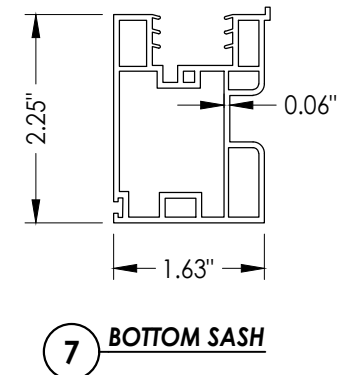
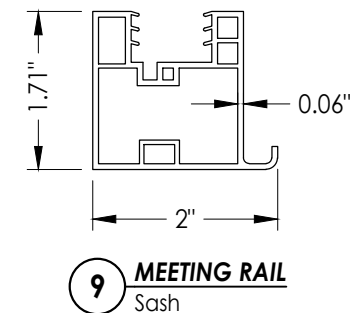
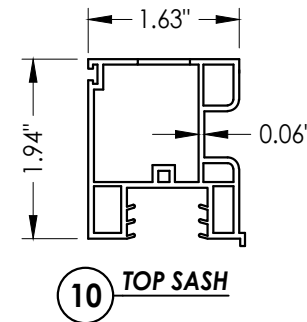
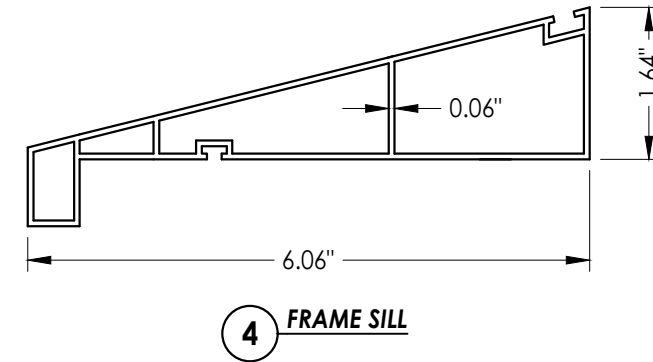
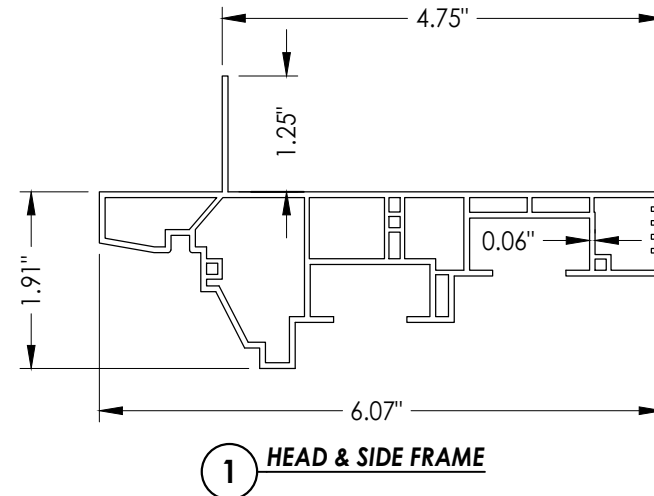
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SHEET	4 OF 5

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ASSEMBLY:
BUCK & FRAME
ANCHORING

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 Ksi Min, Fu=45 Ksi Min)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	#10 X 2" PPH SMS (1-3/8" MIN. EMBEDMENT)	STEEL
H	2X FRAMING (G >= 0.42)	WOOD
K	#10 X 1-1/2" PPH SELF-DRILLING SMS	STEEL
L	#10 X 1-1/2" PPH SMS (1-3/8" MIN. EMBEDMENT)	STEEL
1	HEAD & SIDE FRAME *	RIGID PVC
2	SASH STILE *	RIGID PVC
3	LOCK RAIL *	RIGID PVC
4	FRAME SILL *	RIGID PVC
5	KEEPER	STEEL
7	BOTTOM SASH *	RIGID PVC
8	NAIL FIN	ALUM.
9	MEETING RAIL SASH *	RIGID PVC
10	TOP SASH *	RIGID PVC
11	SASH REINFORCEMENT (6063-T6)	ALUM
12	SILL TOWER INSERT *	RIGID PVC
13	SWEEP LOCK	STEEL
14	LOCK RAIL REINFORCEMENT (6063-T6)	ALUM
15	MEETING RAIL REINFORCEMENT (6063-T6)	ALUM
16	SILICONE BACK BEDDING (NOVAGARD NOVAFLEX)	SILICONE
18	INTERCEPT GLAZING SPACER (TINPLATE STEEL)	STEEL



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PRODUCT:	DOUBLE HUNG WINDOW
PART OR ASSEMBLY:	BILL OF MATERIALS, COMPONENTS & GLAZING DETAIL

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SHEET 5 OF 5

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