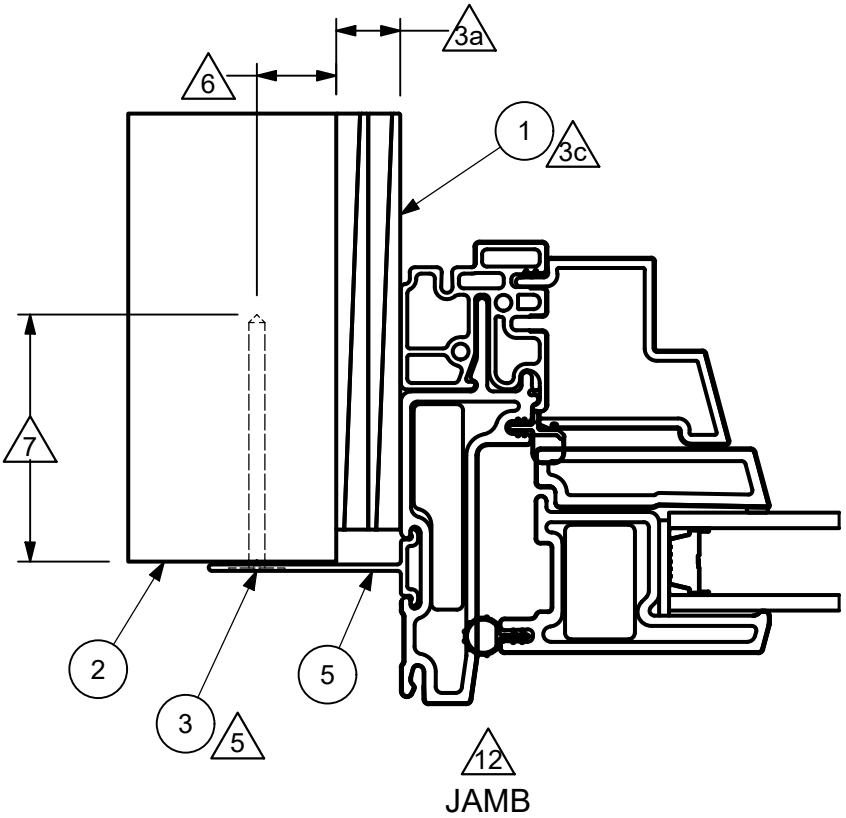
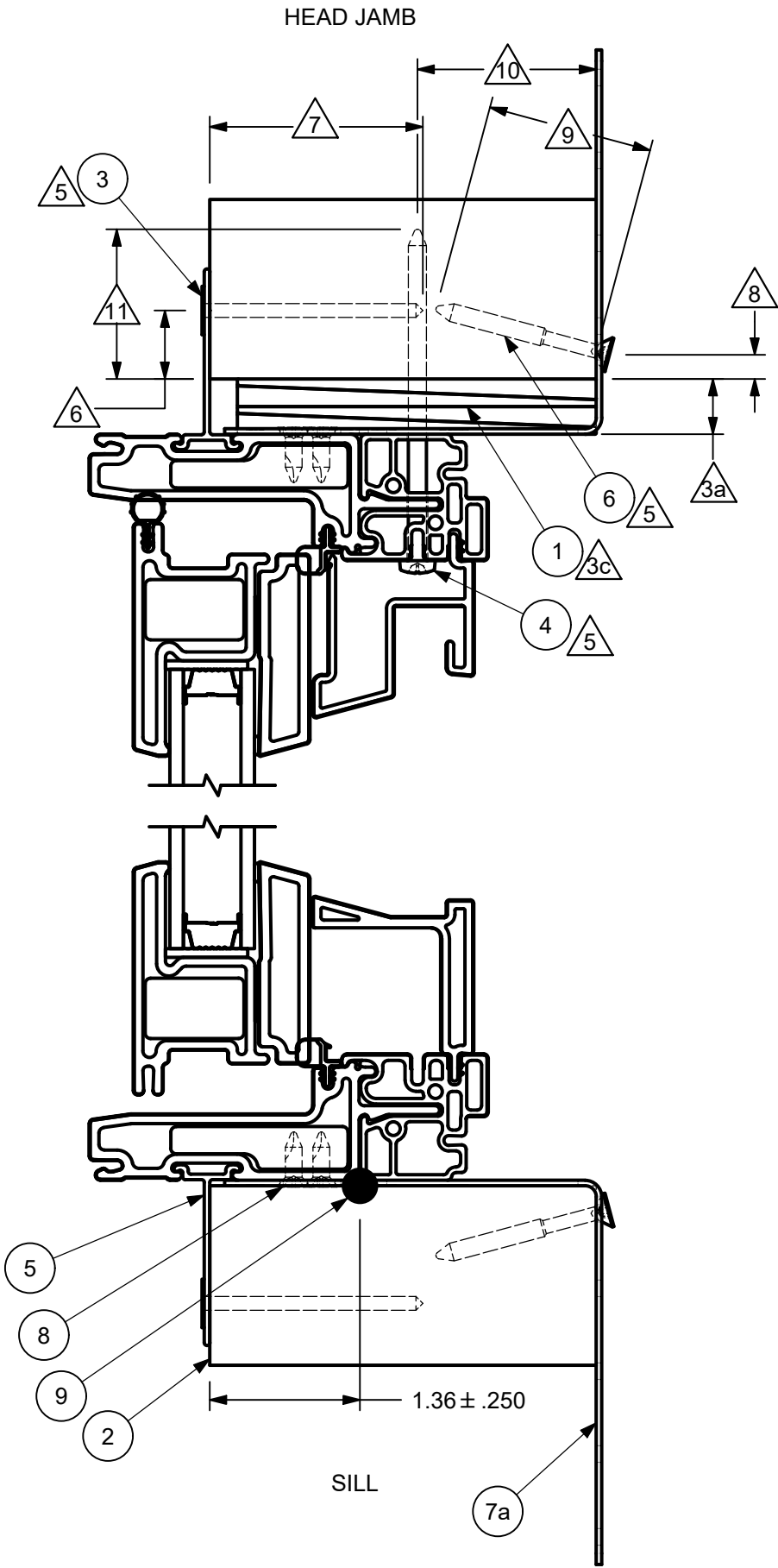


SHEET LEGEND	
Sheet: 1 of 3	NAILING FIN INSTALLATION
Sheet: 2 of 3	THROUGH JAMB INSTALLATION
Sheet: 3 of 3	MASONRY INSTALLATION



NOTES:

1. FOR GENERAL SPECIFICATIONS, REFER TO DOC 00003952
2. FOR ELEVATIONS AND SPACING INFO FOR INSTALLATION, REFER TO DOC 00121707
- △ 3. INSTALLATION METHODS:
 - a. ROUGH OPENING
 - MAX OF .500" GAP AT POINTS OF ATTACHMENT
 - b. SEALANT
 - USE SILICONE OR EQUIVALENT
 - SEAL AROUND FRAME TO WALL WITH BACKER ROD AND SEALANT
 - APPLY A BEAD OF ASTM C920 GRADE NS, CLASS 25 SEALANT TO SILL/FRAMING
 - c. SHIMS
 - SHIMS MUST BE PLACED AT EACH LOCK AND SNUBBER LOCATION
 - A SHIM MUST BE PLACED 4" TO 6" FROM EACH CORNER
 - A SHIM MUST BE PLACED A MAX OF 15" APART
4. THIS PRINT IS FOR STRUCTURAL PERFORMANCE ONLY. FOR FLASHING AND SEALING REQUIREMENTS, REFER TO THE INSTALLATION INSTRUCTIONS
- △ 5. IF CHEMICALLY TREATED LUMBER IS USED FOR BUCK MATERIAL, FASTENERS INTO THE FRAME MUST BE A MINIMUM OF 0.90 OZ/FT² ZINC HOT DIPPED GALVANIZED STEEL TYPE 304 OR 316
- △ 6. MINIMUM FASTENER DISTANCE FROM EDGE .620"
- △ 7. MINIMUM FASTENER EMBEDMENT OF 1.930"
- △ 8. FASTENER DISTANCE FROM EDGE .250"
- △ 9. MINIMUM FASTENER EMBEDMENT OF 1.509"
- △ 10. MINIMUM FASTENER DISTANCE FROM EDGE 1.614"
- △ 11. MINIMUM FASTENER EMBEDMENT OF 1.355"
- △ 12. MULTI-HIGH AND MULTI-WIDE X MULTI-HIGH UNITS WILL RECEIVE APPROPRIATE GUSSET PLATES ON JAMBS
13. 2W1H UNIT SHOWN

MULL GUSSET PLATE INSTALLATION

- APPLY ONE GUSSET PLATE OR TWO SPLIT GUSSET PLATES TO EACH END OF MULL
- ATTACH EACH GUSSET PLATE TO THE UNIT WITH 10 - #7 X .500" CROSS RECESSED FLAT AB 17 SCREWS OR EACH SPLIT GUSSET PLATE TO THE UNIT WITH 5 - #7 X .500" CROSS RECESSED FLAT AB 17 SCREWS
- ATTACH EACH GUSSET PLATE TO THE FRAMING WITH 12 - 1.625" DRYWALL SCREWS OR EACH SPLIT GUSSET PLATE TO THE FRAMING WITH 6 - 1.625" DRYWALL SCREWS, ANGLE SCREWS TO A MIN OF 15° TOWARDS THE THICKER PART OF THE FRAMING
- GUSSET AND SPLIT GUSSET PLATES ARE SUPPLIED WITH THE GUSSET PLATE INSTALLATION INSTRUCTIONS

CATEGORY:
CASEMENT

UNIT TYPE:
VCA, VAWN, VCAP

9	NA	ASTM C290 GRADE NS CLASS 25 SEALANT
8	00140853	CROSS RECESSED FLAT No. 7-19 X .500 AB 17
7b	00143896	SPLIT MULL GUSSET PLATE
7a	00143258	MULL GUSSET PLATE
6	NA	1.625" DRYWALL SCREW
5	00133340	NAIL FIN, RIGID
4	00140853	CROSS RECESSED PAN No. 8-18 X 3.000 AB
3	NA	2.000" GAL. ROOF NAIL
2	NA	FRAMING MATERIAL
1	NA	SHIM

ITEM	DWG NO	DESCRIPTION
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PARTS LIST

MARVIN  **RESEARCH & DEVELOPMENT**

COLLECTION: VIVID

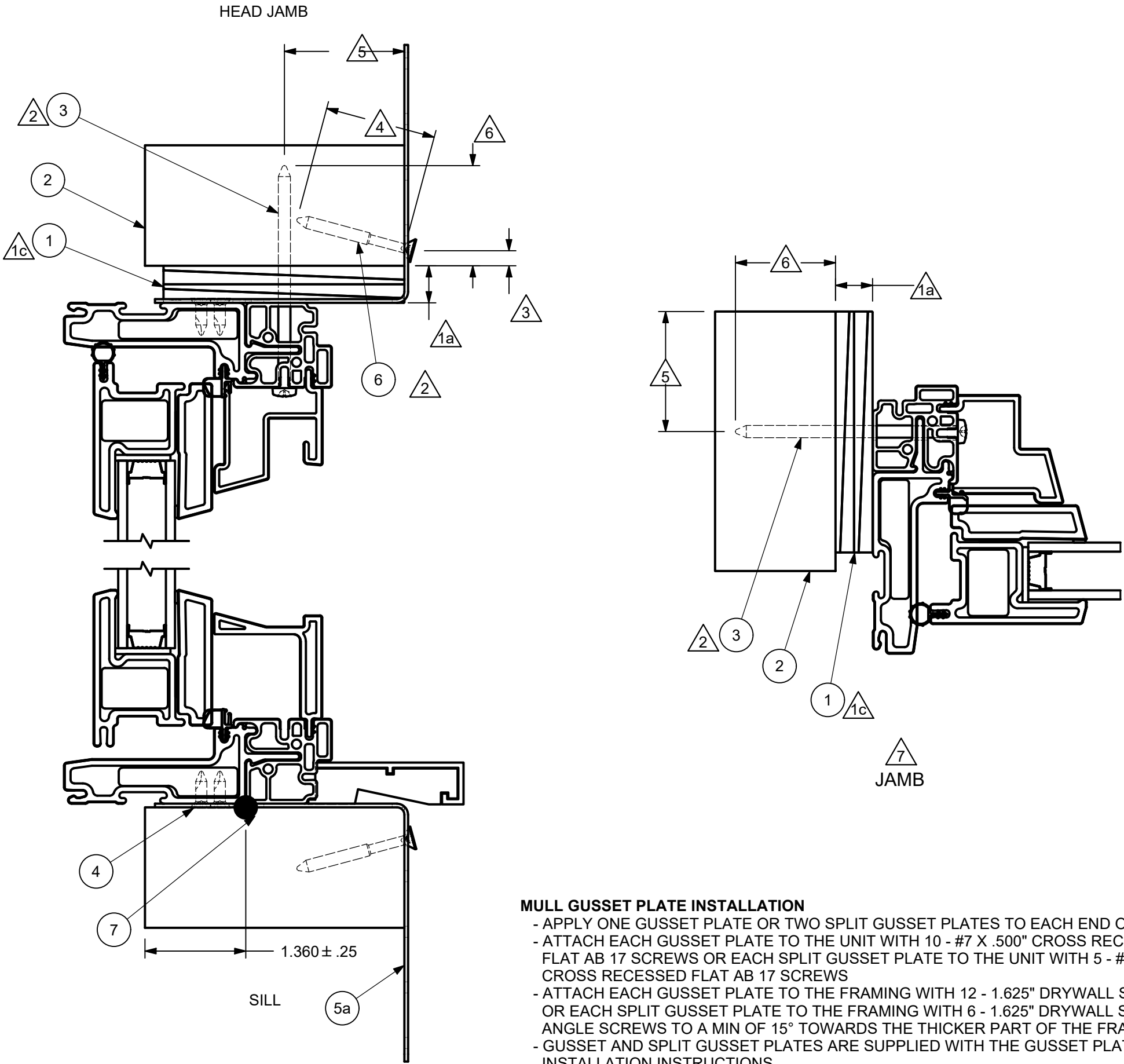
DWG TYPE: ASSEMBLY
DESCRIPTION: INSTALLATION METHODS, MULLING, MRF

SHEET NAME: NAILING FIN INSTALLATION (1 OF 3)

CHK: 03/19/25	RJB	SIZE: B	CLASS: ASSY	DWG NO: 00121708	REV: 0
APP: 03/19/25	RWP	SCALE: 2 : 3	DATE: 3/3/2025	DWG BY: Calvin Erickson	

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- NOTES:**
- △ 1. INSTALLATION METHODS:
 - a. ROUGH OPENING
 - MAX OF .500" GAP AT POINTS OF ATTACHMENT
 - b. SEALANT
 - USE SILICONE OR EQUIVALENT
 - SEAL AROUND FRAME TO WALL WITH BACKER ROD AND SEALANT
 - APPLY A BEAD OF ASTM C920 GRADE NS, CLASS 25 SEALANT TO SILL/FRAMING
 - c. SHIMS
 - SHIMS MUST BE PLACED AT EACH LOCK AND SNUBBER LOCATION
 - A SHIM MUST BE PLACED 4" TO 6" FROM EACH CORNER
 - A SHIM MUST BE PLACED A MAX OF 15" APART
 - △ 2. IF CHEMICALLY TREATED LUMBER IS USED FOR BUCK MATERIAL, FASTENERS INTO THE FRAME MUST BE A MINIMUM OF 0.90 OZ/FT^2 ZINC HOT DIPPED GALVANIZED STEEL TYPE 304 OR 316
 - △ 3. FASTENER DISTANCE FROM EDGE .250"
 - △ 4. MINIMUM FASTENER EMBEDMENT OF 1.509"
 - △ 5. MINIMUM FASTENER DISTANCE FROM EDGE 1.614"
 - △ 6. MINIMUM FASTENER EMBEDMENT OF 1.355"
 - △ 7. MULTI-HIGH AND MULTI-WIDE X MULTI-HIGH UNITS WILL RECEIVE APPROPRIATE GUSSET PLATES ON JAMBS
 - 8. 2W1H UNIT SHOWN

7	NA	ASTM C290 GRADE NS CLASS 25 SEALANT
6	NA	1.625" DRYWALL SCREW
5b	00143896	SPLIT MULL GUSSET PLATE
5a	00143258	MULL GUSSET PLATE
4	00140853	CROSS RECESSED FLAT No. 7-19 X .500 AB 17
3	00140853	CROSS RECESSED PAN No. 8-18 X 3.000 AB
2	NA	FRAMING MATERIAL
1	NA	SHIM
ITEM	DWG NO	DESCRIPTION

PARTS LIST

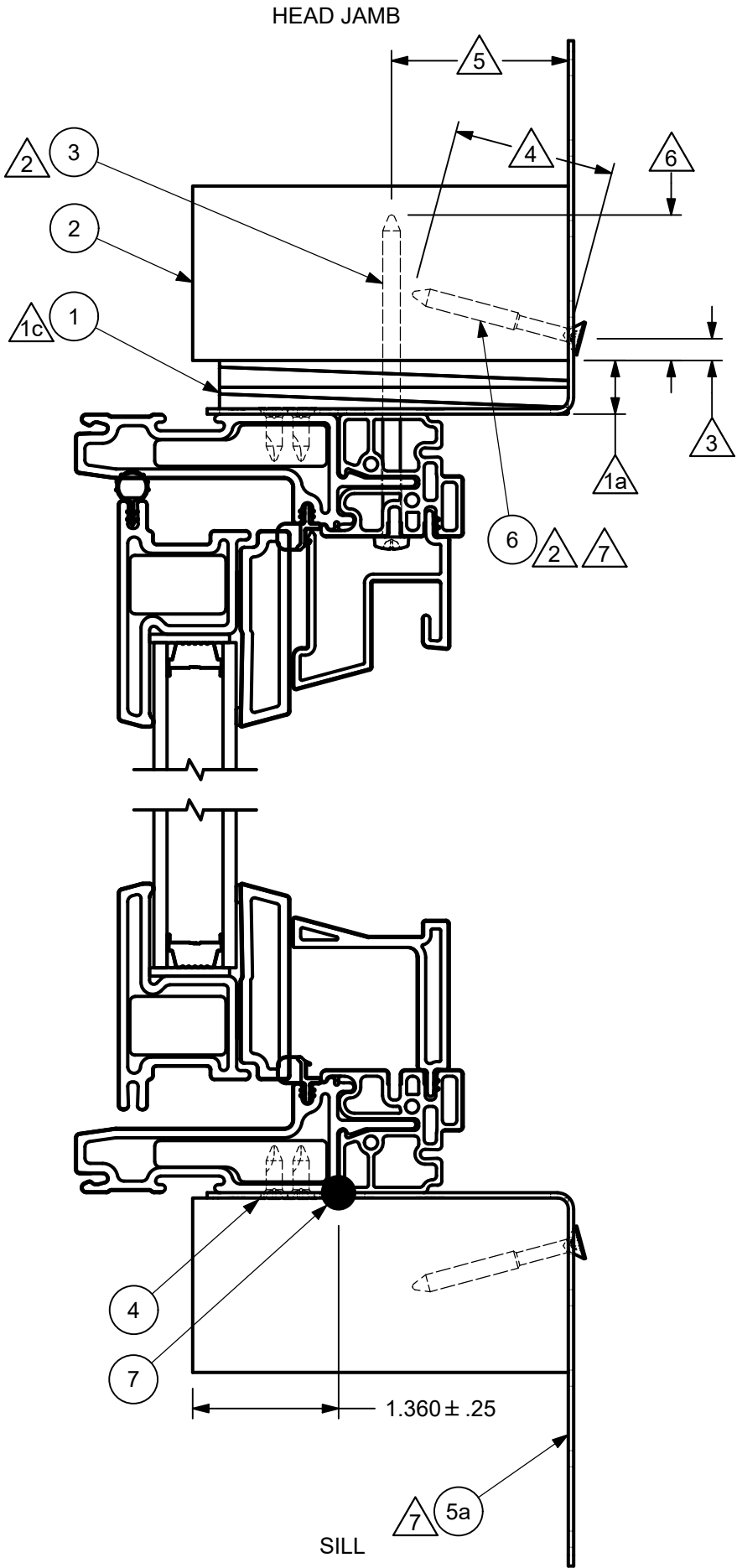
MARVIN  **RESEARCH & DEVELOPMENT**

COLLECTION: VIVID

DWG TYPE: ASSEMBLY
DESCRIPTION: INSTALLATION METHODS, MULLING, MRF

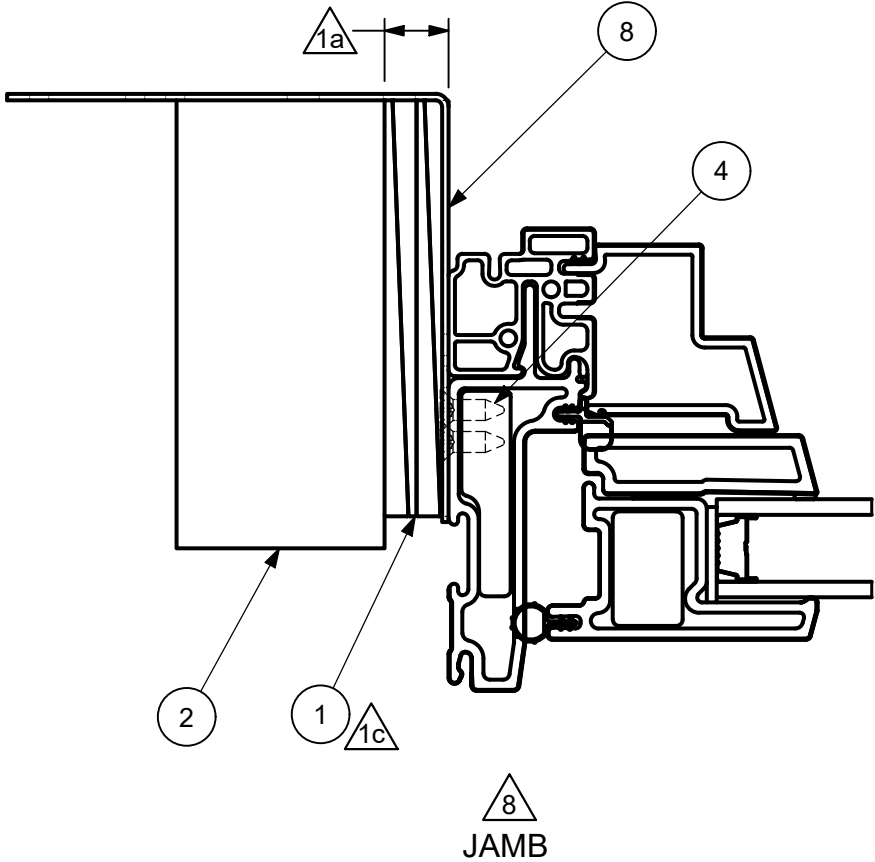
SHEET NAME: THROUGH JAMB INSTALLATION (2 OF 3)

CHK:	RJB	SIZE:	CLASS:	DWG NO:	REV:
03/19/25		B	ASSY	00121708	0
APP:	RWP	SCALE:	DATE:	DWG BY:	
03/19/25		2 : 3	3/3/2025	Calvin Erickson	



MULL GUSSET PLATE INSTALLATION

- APPLY ONE GUSSET PLATE OR TWO SPLIT GUSSET PLATES TO EACH END OF MULL
- ATTACH EACH GUSSET PLATE TO THE UNIT WITH 10 - #7 X .500" CROSS RECESSED FLAT AB 17 SCREWS OR EACH SPLIT GUSSET PLATE TO THE UNIT WITH 5 - #7 X .500" CROSS RECESSED FLAT AB 17 SCREWS
- ATTACH EACH GUSSET PLATE TO THE FRAMING WITH 12 - 1.625" DRYWALL SCREWS OR EACH SPLIT GUSSET PLATE TO THE FRAMING WITH 6 - 1.625" DRYWALL SCREWS, ANGLE SCREWS TO A MIN OF 15° TOWARDS THE THICKER PART OF THE FRAMING
- GUSSET AND SPLIT GUSSET PLATES ARE SUPPLIED WITH THE GUSSET PLATE INSTALLATION INSTRUCTIONS



NOTES:

- △ 1. INSTALLATION METHODS:
 - a. ROUGH OPENING
 - MAX OF .250" GAP AT POINTS OF ATTACHMENT
 - b. SEALANT
 - USE SILICONE OR EQUIVALENT
 - SEAL AROUND FRAME TO WALL WITH BACKER ROD AND SEALANT
 - APPLY A BEAD OF ASTM C920 GRADE NS, CLASS 25 SEALANT TO SILL/FRAMING
 - c. SHIMS
 - SHIMS MUST BE PLACED AT EACH LOCK AND SNUBBER LOCATION
 - A SHIM MUST BE PLACED 4" TO 6" FROM EACH CORNER
 - A SHIM MUST BE PLACED A MAX OF 15" APART
- △ 2. IF CHEMICALLY TREATED LUMBER IS USED FOR BUCK MATERIAL, FASTENERS INTO THE FRAME MUST BE A MINIMUM OF 0.90 OZ/FT^2 ZINC HOT DIPPED GALVANIZED STEEL TYPE 304 OR 316
- △ 3. FASTENER DISTANCE FROM EDGE .250"
- △ 4. MINIMUM FASTENER EMBEDMENT OF 1.509"
- △ 5. MINIMUM FASTENER DISTANCE FROM EDGE 1.614"
- △ 6. MINIMUM FASTENER EMBEDMENT OF 1.355"
- △ 7. FASTENER TYPE, DIMENSIONS AND PLACEMENT ALSO APPLY TO STRUCTURAL BRACKETS
- △ 8. MULTI-HIGH AND MULTI-WIDE X MULTI-HIGH UNITS WILL RECEIVE APPROPRIATE GUSSET PLATES ON JAMBS
- 9. 2W1H UNIT SHOWN

8	00141437	STRUCTURAL BRACKET 6" AND 10"
7	NA	ASTM C290 GRADE NS CLASS 25 SEALANT
6	NA	1.625" DRYWALL SCREW
5b	00143896	SPLIT MULL GUSSET PLATE
5a	00143258	MULL GUSSET PLATE
4	00140853	CROSS RECESSED FLAT No. 7-19 X .500 AB 17
3	00140853	CROSS RECESSED PAN No. 8-18 X 3.000 AB
2	NA	FRAMING MATERIAL
1	NA	SHIM
ITEM	DWG NO	DESCRIPTION

PARTS LIST

MARVIN[®] RESEARCH & DEVELOPMENT

COLLECTION: VIVID

DWG TYPE: ASSEMBLY
DESCRIPTION: INSTALLATION METHODS, MULLING, MRF

SHEET NAME: MASONRY INSTALLATION (3 OF 3)

CHK:	RJB	SIZE:	CLASS:	DWG NO:	REV:
03/19/25		B	ASSY	00121708	0
APP:	RWP	SCALE:	DATE:	DWG BY:	
03/19/25		2 : 3	3/3/2025	Calvin Erickson	