

GENERAL

Fixed, projected and casement windows shall be Marlin series #1505 as manufactured by Marlin windows, and conform to AAMA-101-93 structural performance as follows:

1505 Fixed Window	F-HC65
1505 Casement	C-C65
1505 Projected	P-C65

Series 1505 shall have a condensation-resistance factor (CRF) of not less than 56.

MATERIALS

All frame and sash members shall be aluminum extrusions of 6063-T5 alloy & temper with a minimum wall thickness of .062". Frame and sash members shall have a rigid polyurethane "thermal-barrier" as an integral part of the extrusion which eliminates all direct contact between interior and exterior aluminum sections. Glazing stops to be extruded aluminum with a minimum wall thickness of .050".

FINISH

Standard architectural Class II anodic color conforming to Aluminum Association AA-M12-C22-A34 for dark bronze or AA-M12-C22-A31 for clear anodize. (Architectural Class I anodic finishes and organic coatings available - specify).

CONSTRUCTION-

Frame members shall be 2 1/4" in depth. Frame and vent corners shall be fabricated to form tight mitered joints. All intermediate frame members shall be coped to form tight butt joints where joined to perimeter members. All joinery fastened securely with stainless steel self-tapping screws and sealed to prevent moisture and air infiltration. Extruded aluminum glass stops shall be fabricated to form tight butt-joints.

PROJECTED HARDWARE

Projected shall be balanced with two heavy duty four bar friction hinges. Hinges shall be of stainless steel, and include a positive stop and an adjustable friction shoe. Locking hardware shall consist of cam handle locks and surface strikes. Handle, base & strike housing shall be cast white bronze with burnished finish. Roto operators and underscreen bar operators are available (specify).

CASEMENT HARDWARE

Casement windows shall be supported by exposed hinges manufactured from cast bronze alloy and secured with concealed fasteners, or by heavy duty 4 bar concealed friction hinges (specify). Roto type operation with locking handles and concealed strikes shall be standard with exposed hinges. Other variations of hardware and finish available - consult factory.

WEATHERSTRIPPING

A compression seal shall run continuously around entire perimeter of ventilator and frame opening of ventilator to form a double seal.

GLAZING

Marlin series #1505 windows shall accept glazing materials with nominal thickness of 1/4", 1", & 1 1/2".

OPTIONAL SCREEN

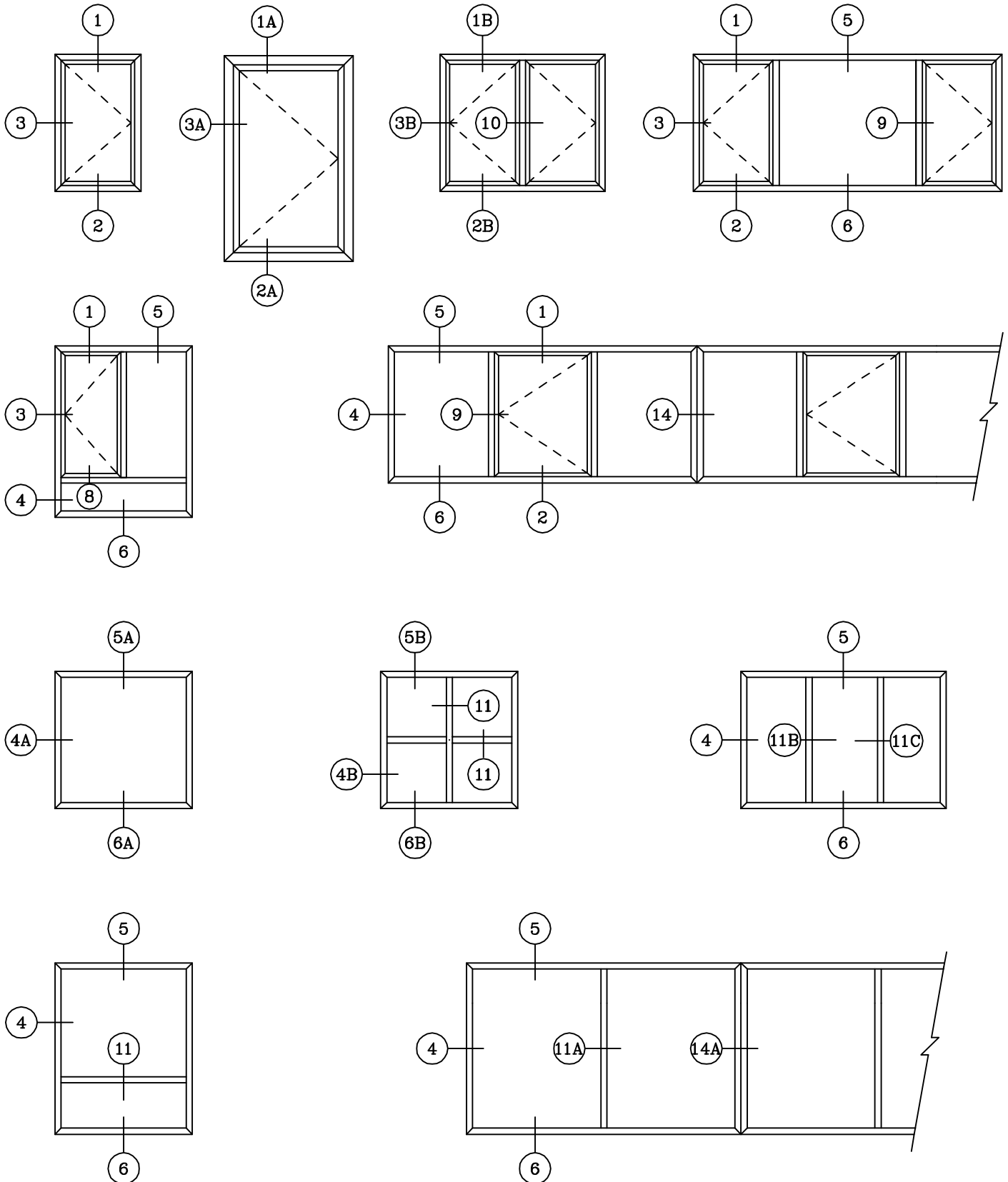
Screen frames shall be fabricated from roll-form aluminum, finish to match window. Screen cloth to be 18 x16 fiberglass mesh held in the aluminum screen frame with a tight fitting continuous vinyl spline.

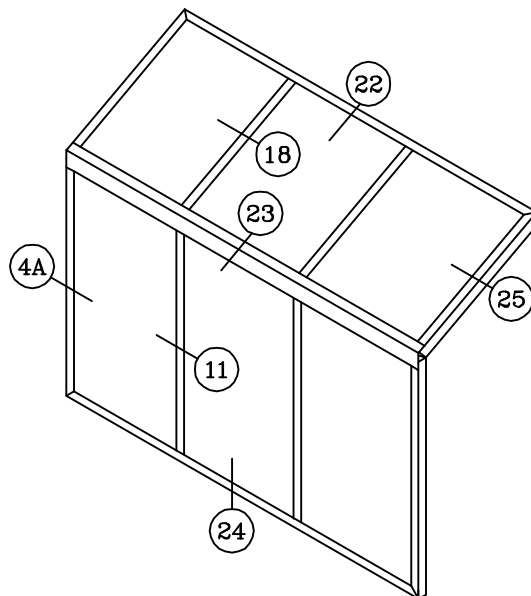
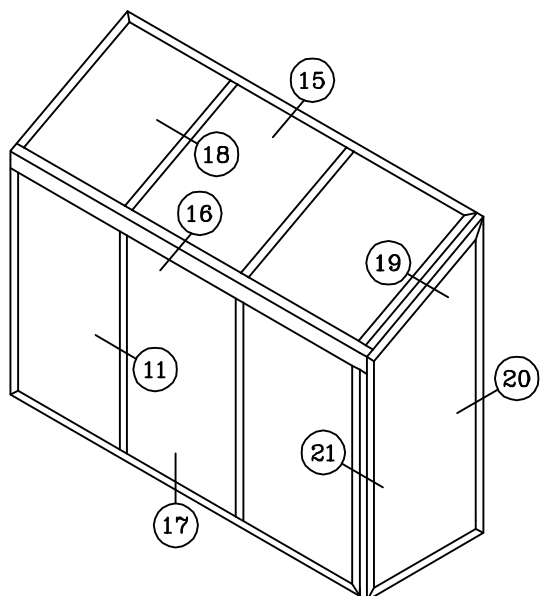
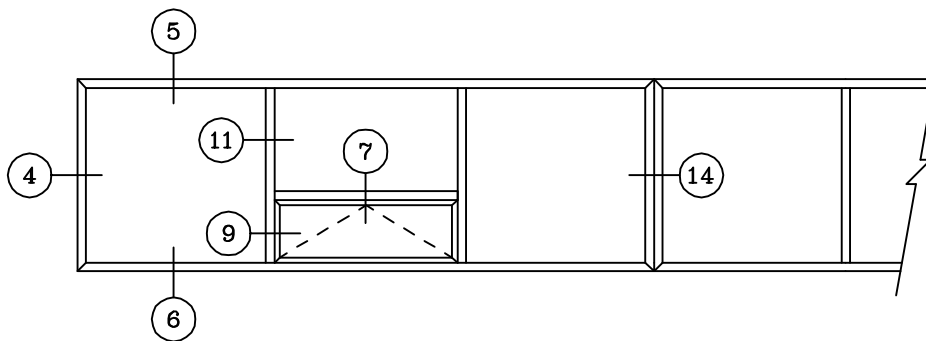
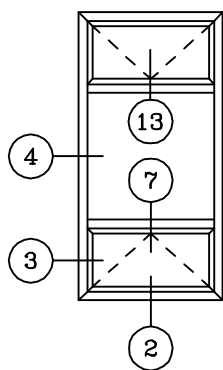
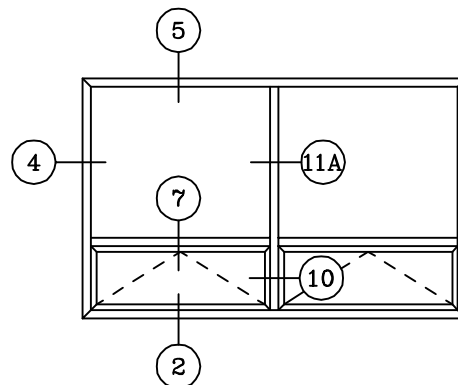
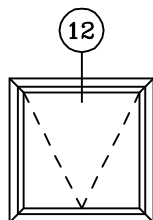
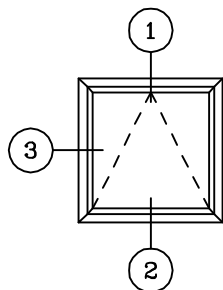
INSTALLATION

Windows shall be installed straight, plumb, and level without twisting and securely anchored in place. Openings shall be properly prepared to provide sufficient space at jambs, head and sill to compensate for normal construction movement without affecting intended use.

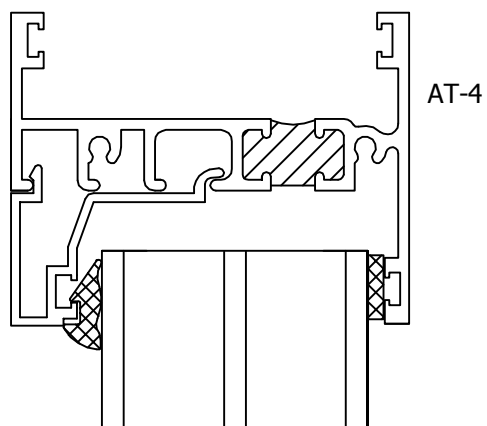
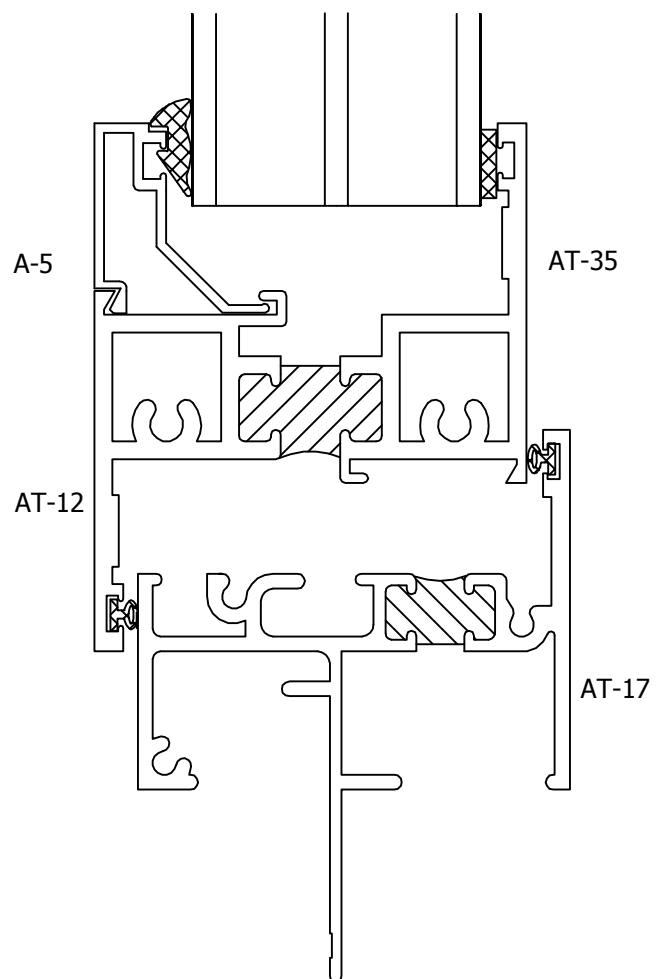
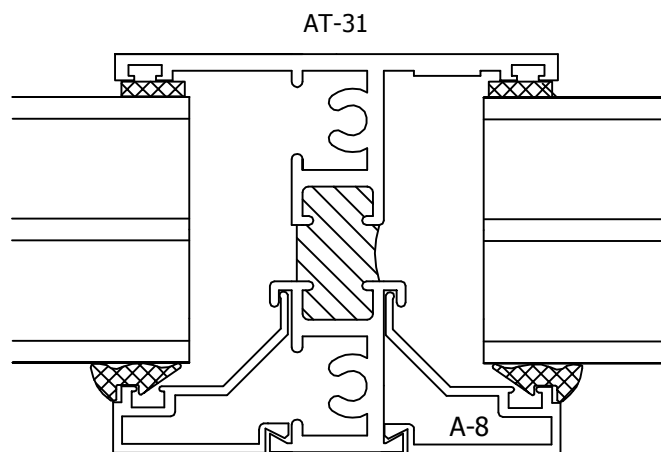
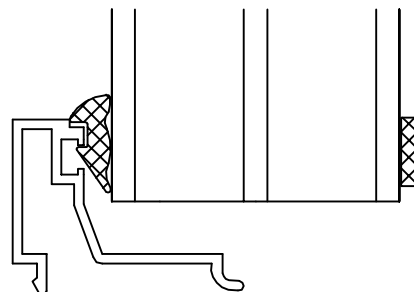
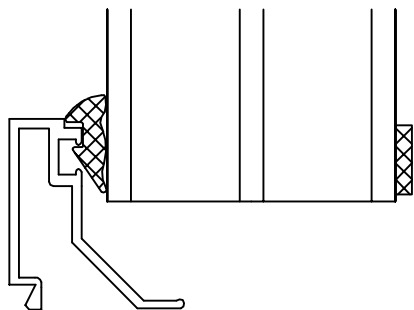
PROTECTION AND CLEANING

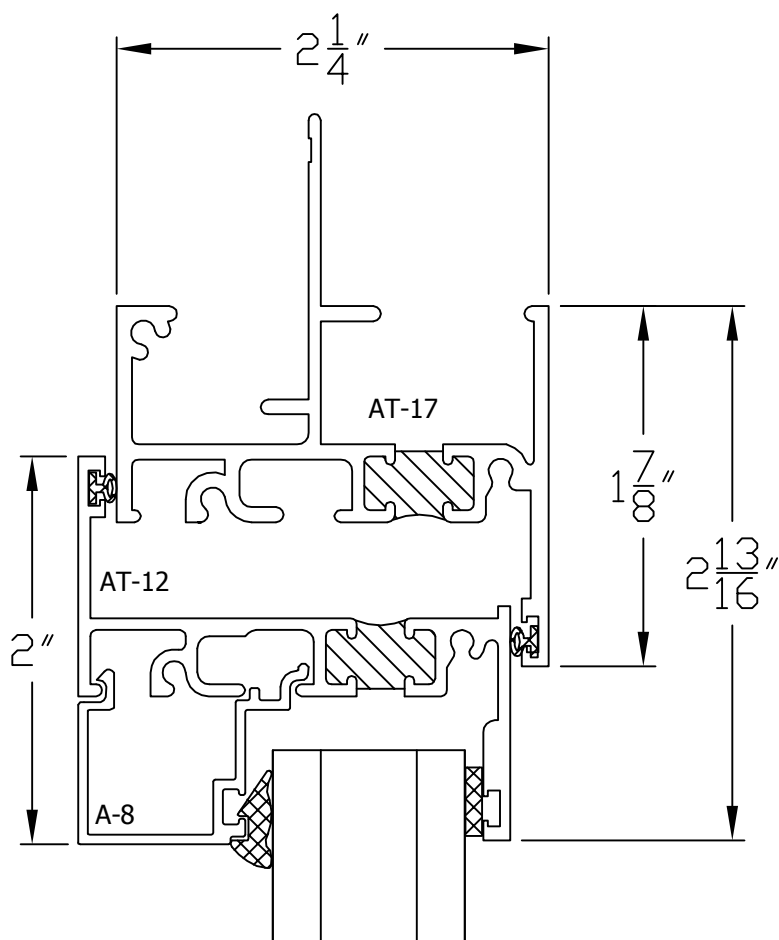
The General Contractor shall provide adequate protection of the aluminum and glass surfaces from damage by grinding compound, lime, acids, cement or other contaminants. The General Contractor shall be responsible for final cleaning.



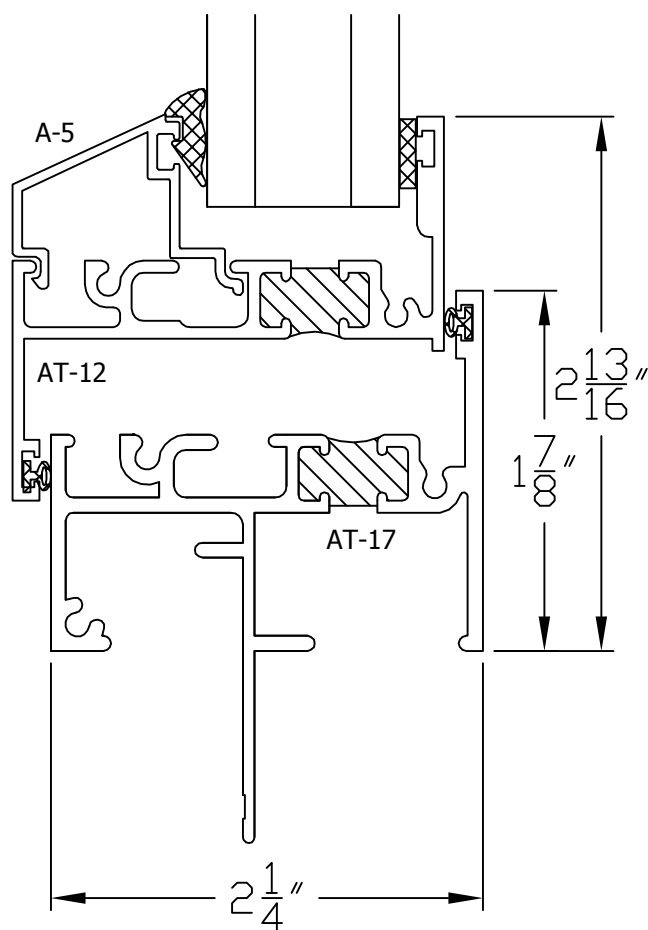


TRIPLE GLAZE OPTION

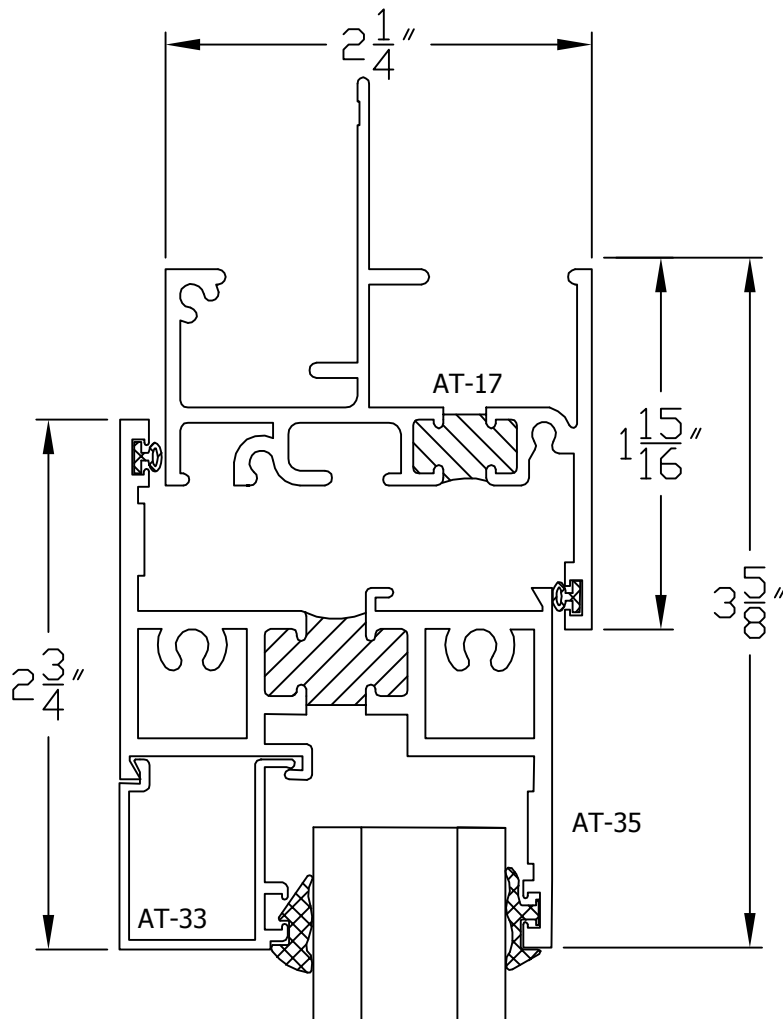




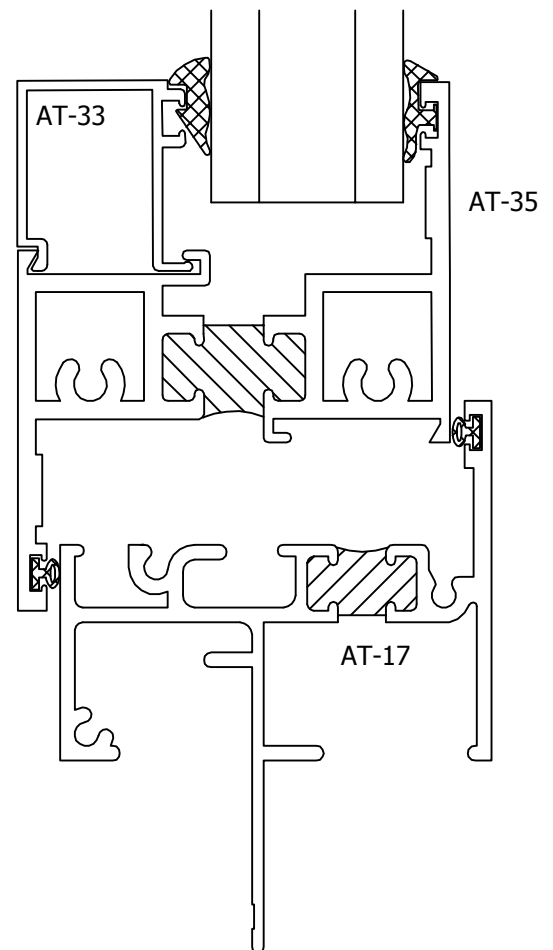
① HEAD @ VENT



② SILL @ VENT

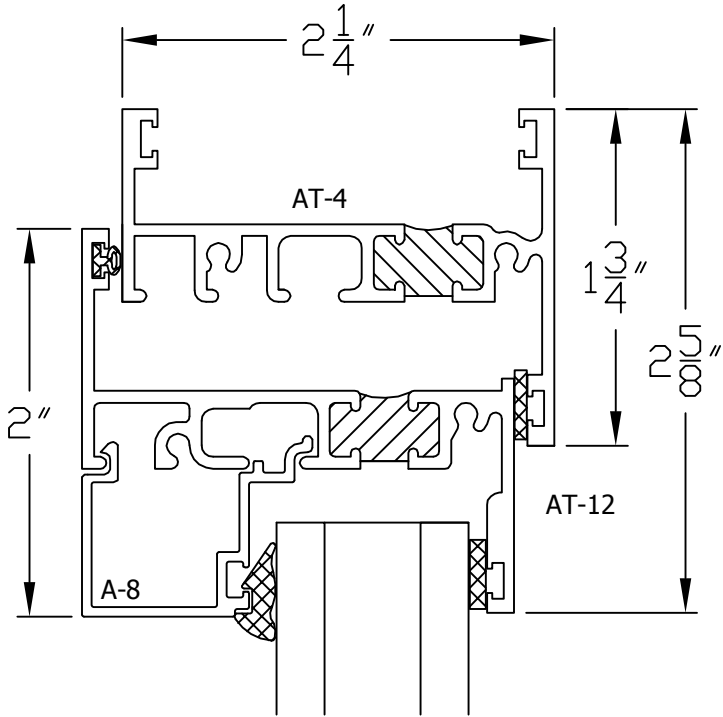


1A HEAD @ HEAVY VENT

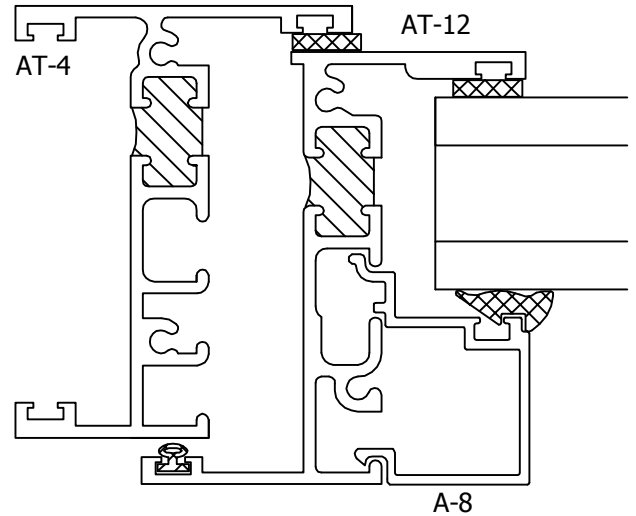


2A SILL @ HEAVY VENT

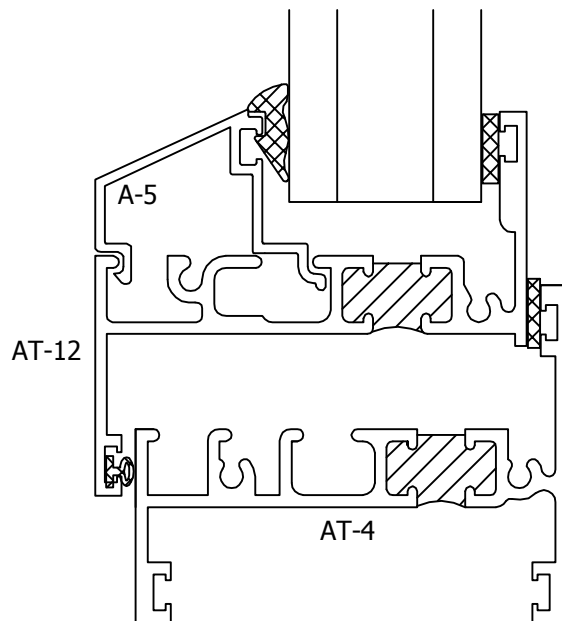
AT-4 EQUAL LEG



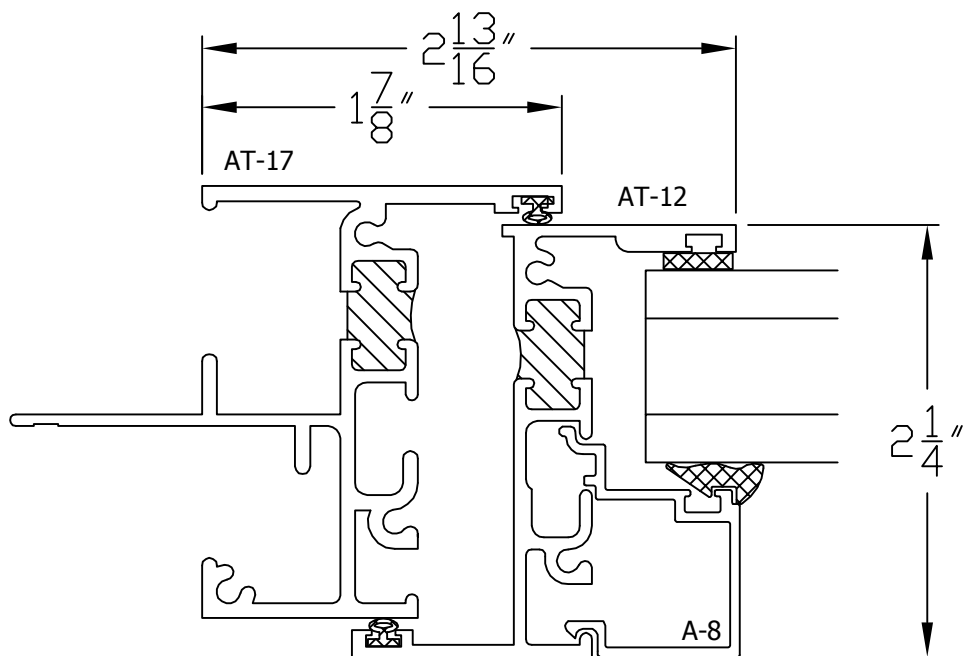
1B HEAD @ VENT



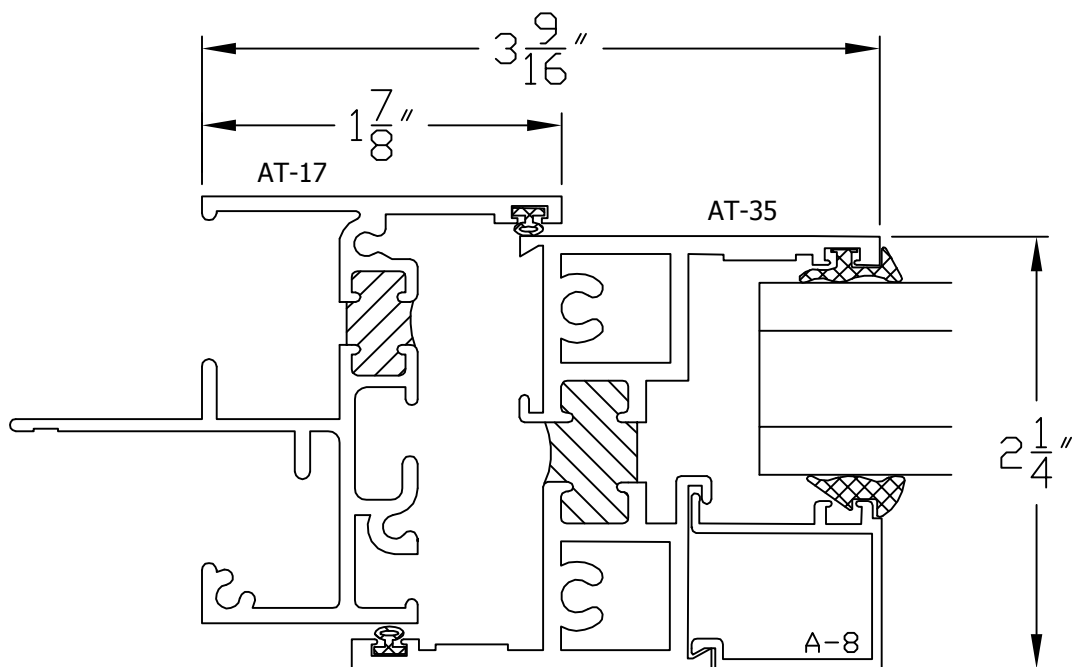
3B JAMB @ VENT



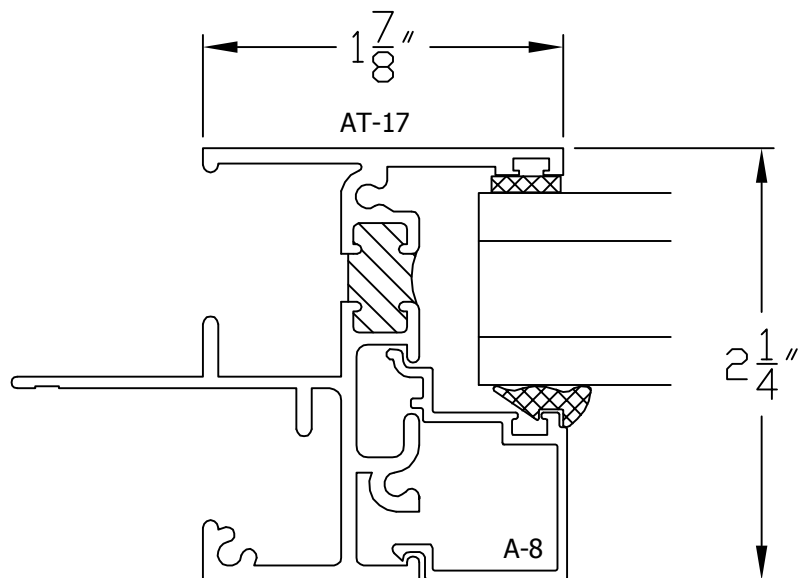
2B SILL @ VENT



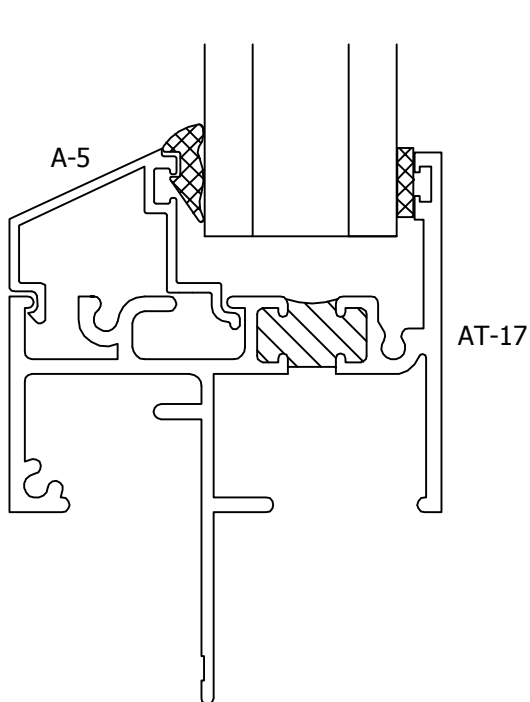
③ JAMB @ VENT



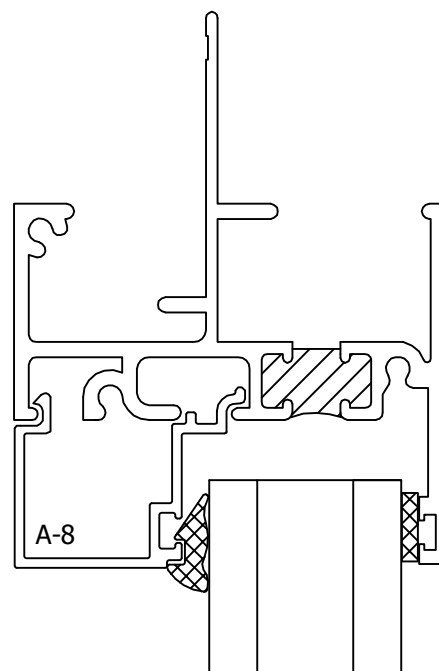
③A JAMB @ HEAVY VENT



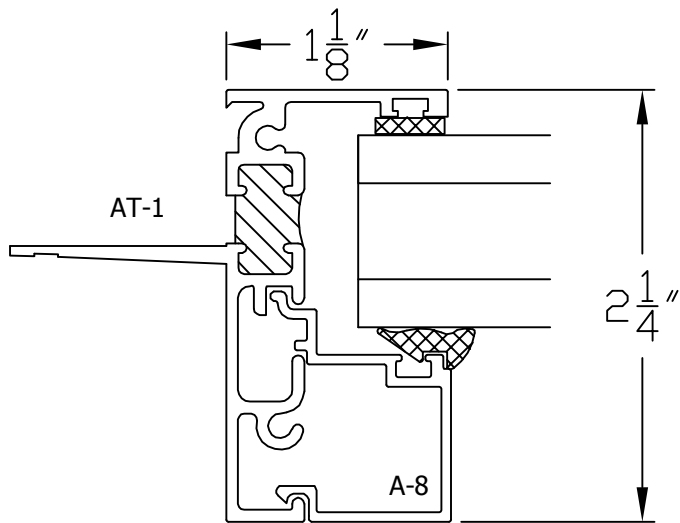
4 JAMB @ FIXED



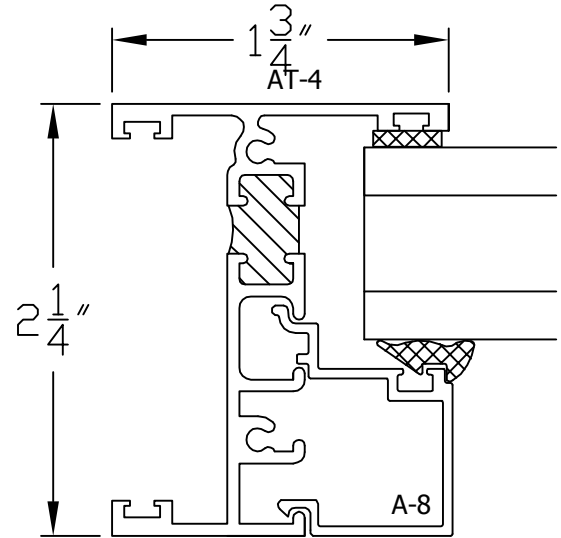
6 SILL @ FIXED



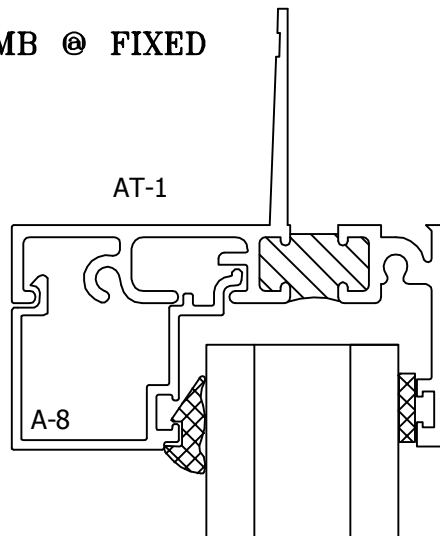
5 HEAD @ FIXED



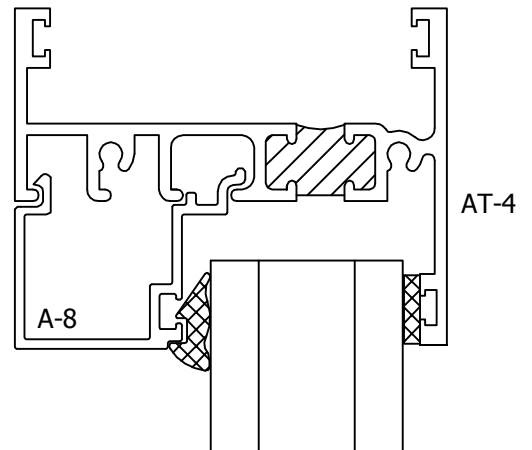
4A JAMB @ FIXED



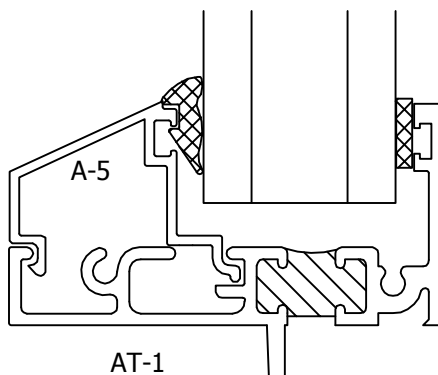
4B JAMB @ FIXED



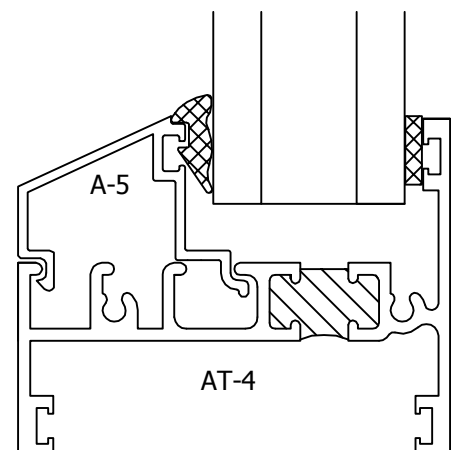
5A HEAD @ FIXED



5B HEAD @ FIXED

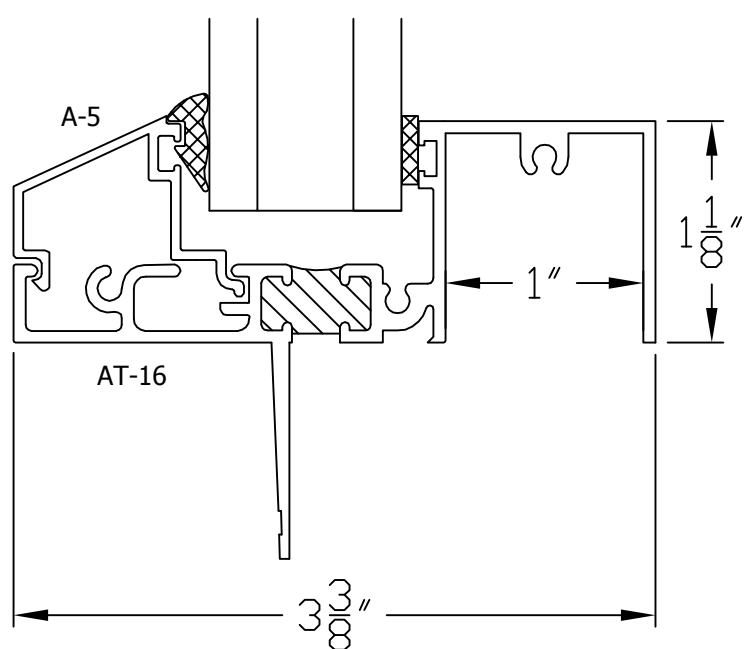
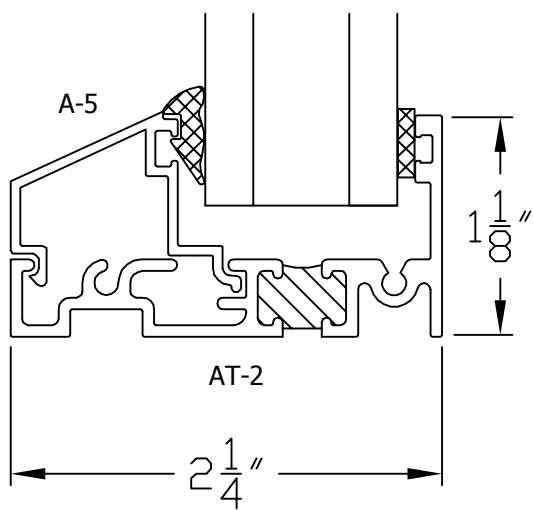
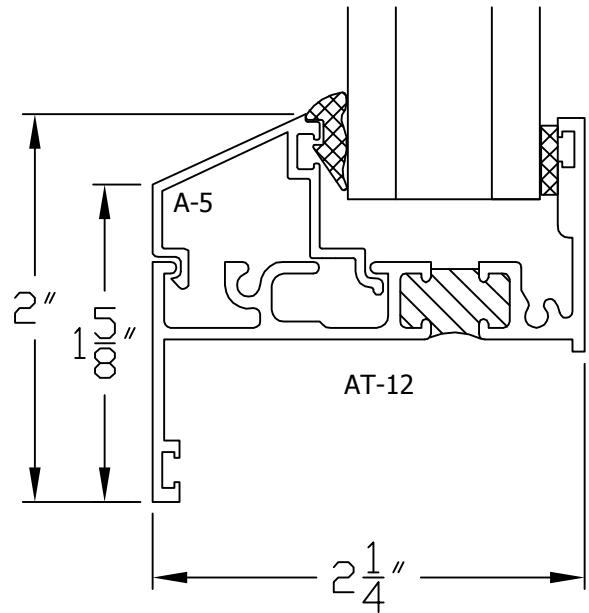
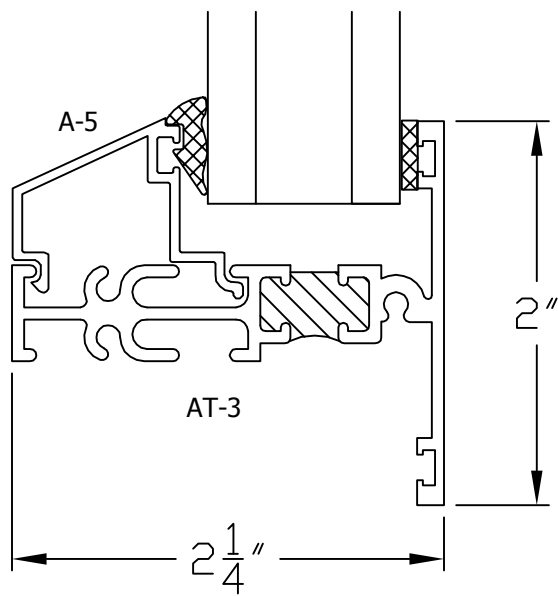


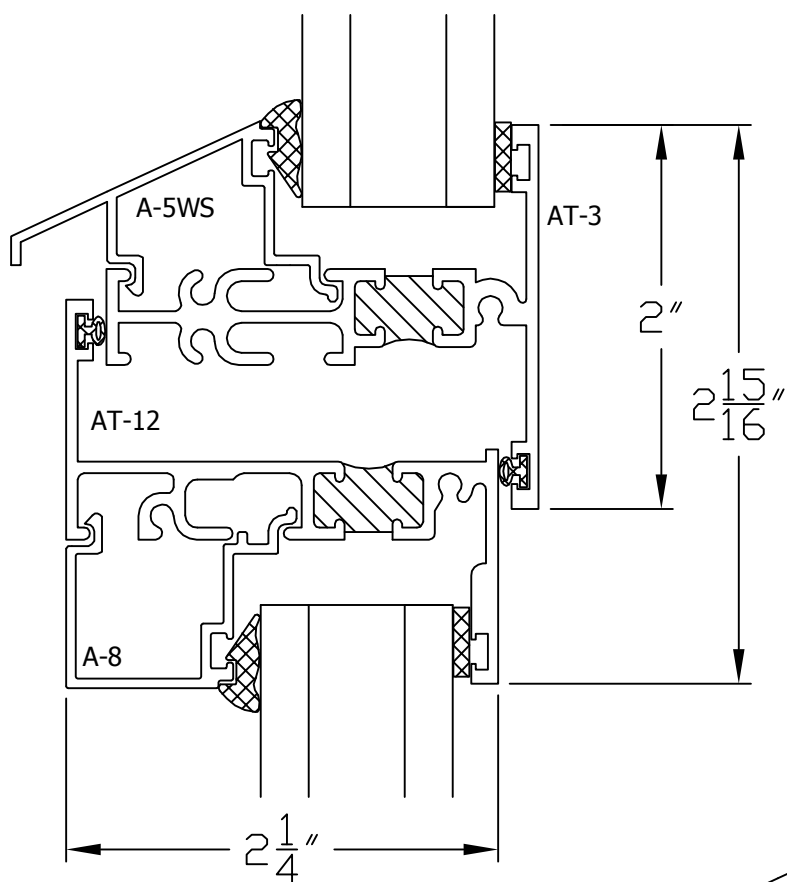
6A SILL @ FIXED



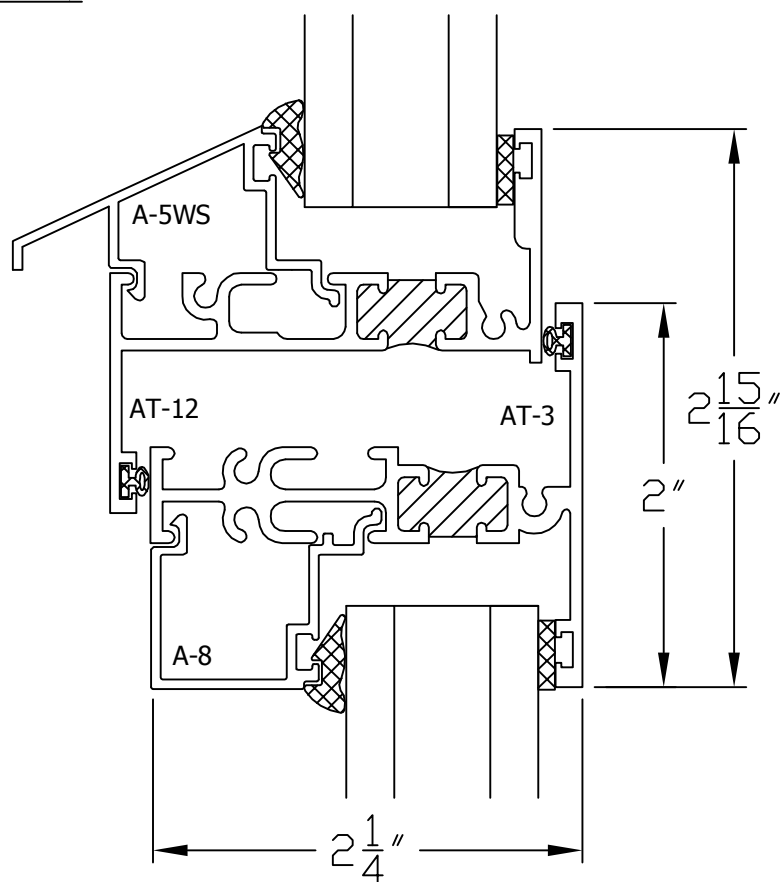
6B SILL @ FIXED

OPTIONAL FIXED FRAMES

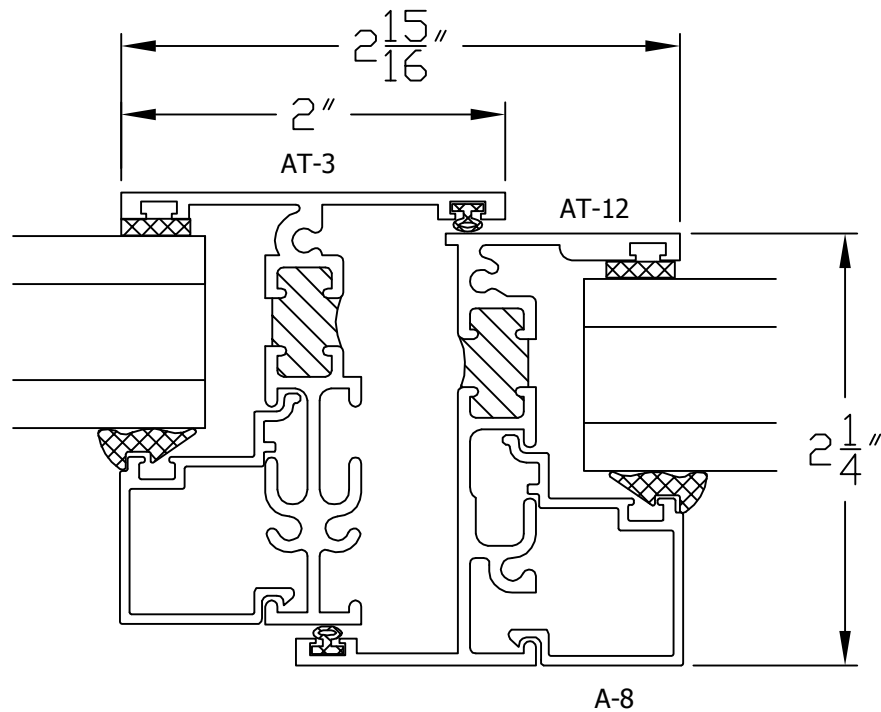




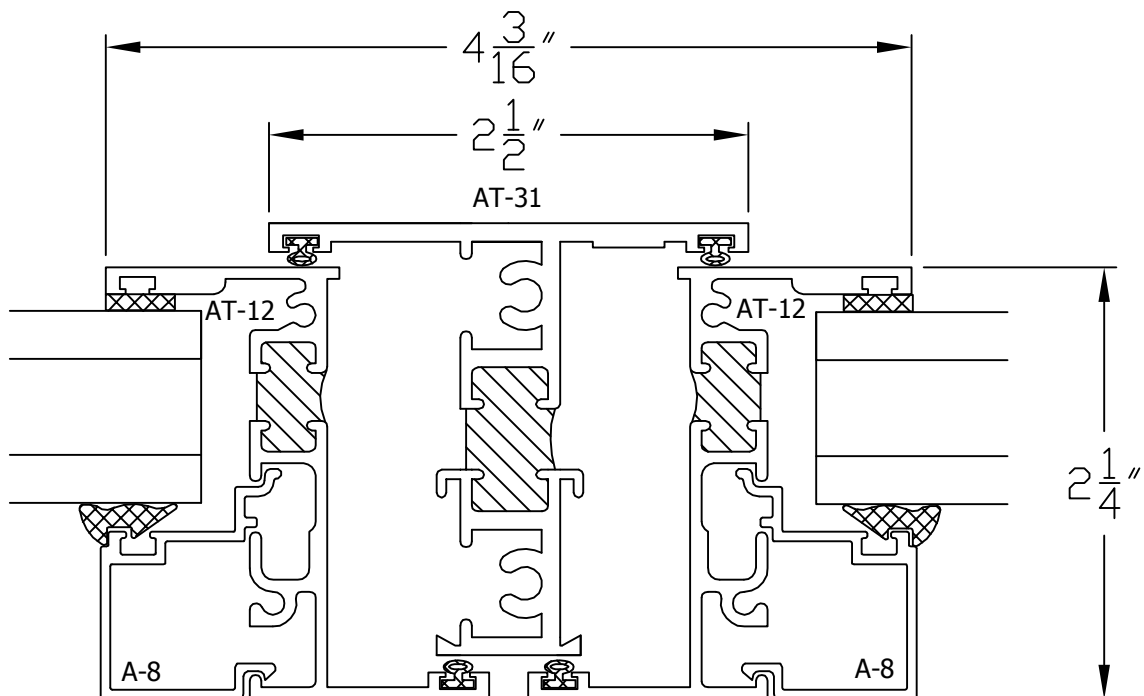
**7 HORIZONTAL
VENT BELOW FIXED**



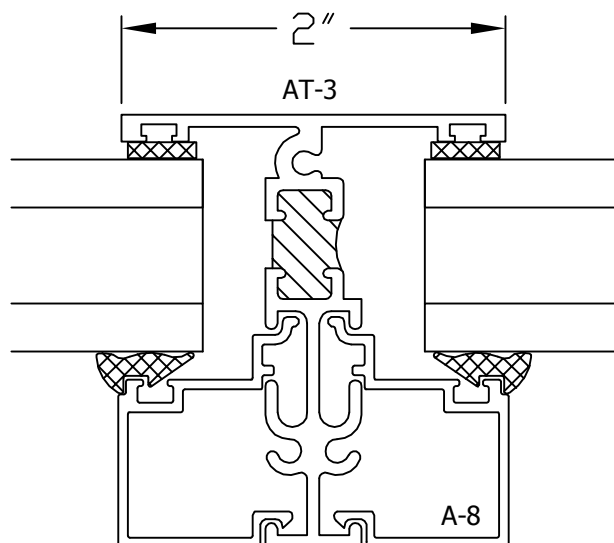
**8 HORIZONTAL
VENT ABOVE FIXED**



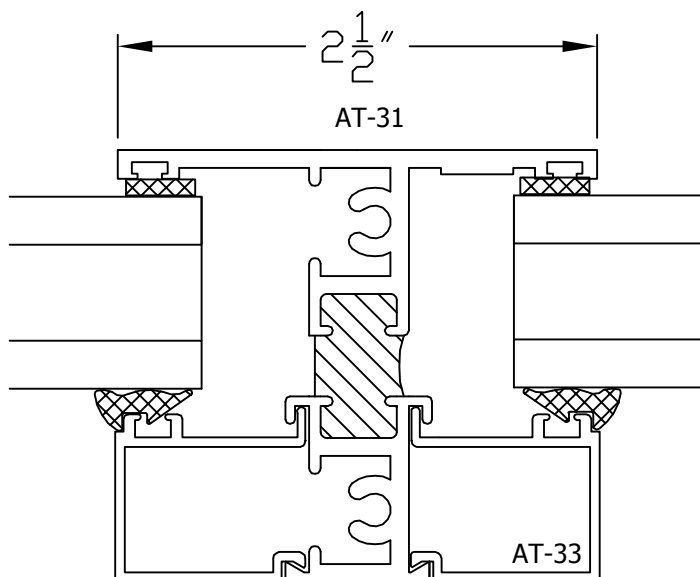
9 VERTICAL
VENT @ RIGHT OF FIXED



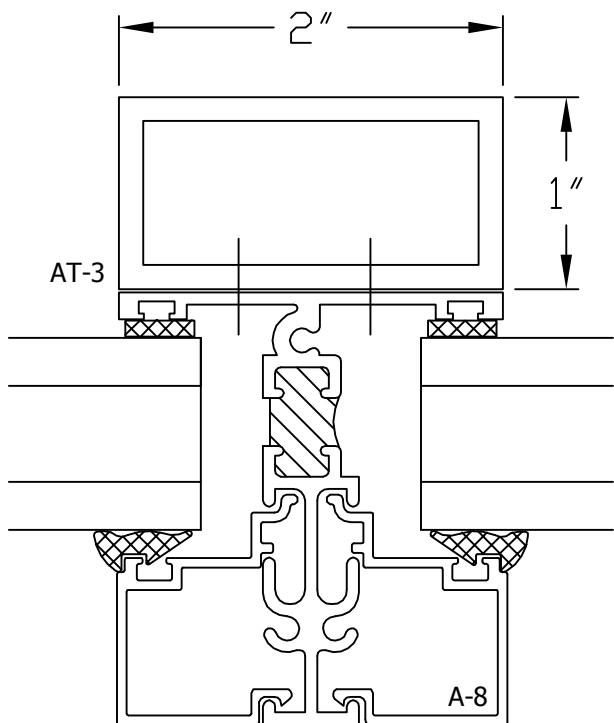
10 VERTICAL
@ DOUBLE VENT



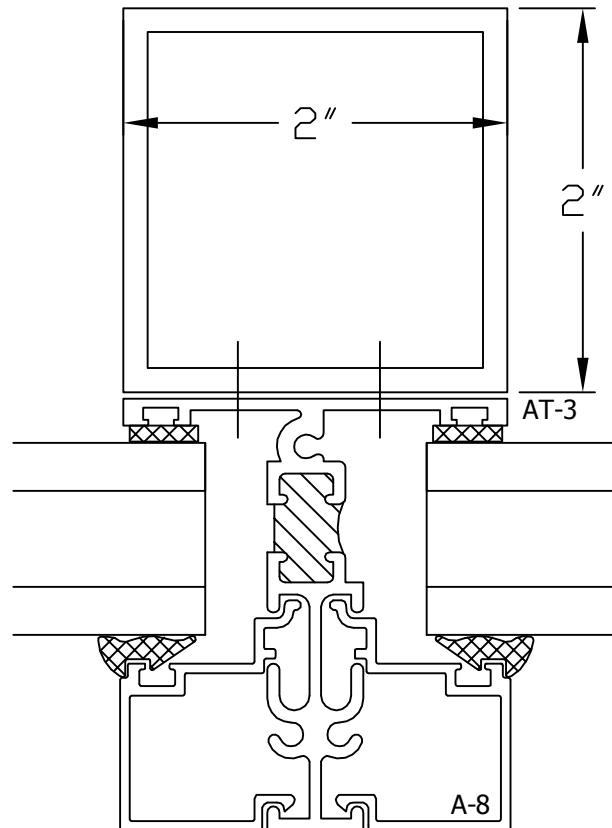
⑪ TYPICAL MULLION



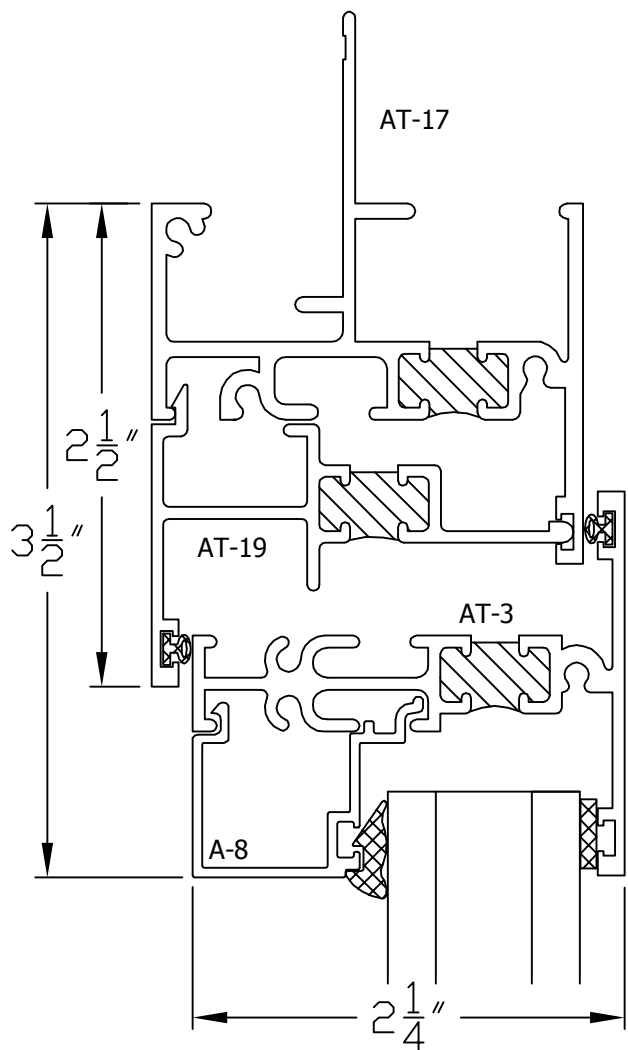
⑪A HEAVY MULLION



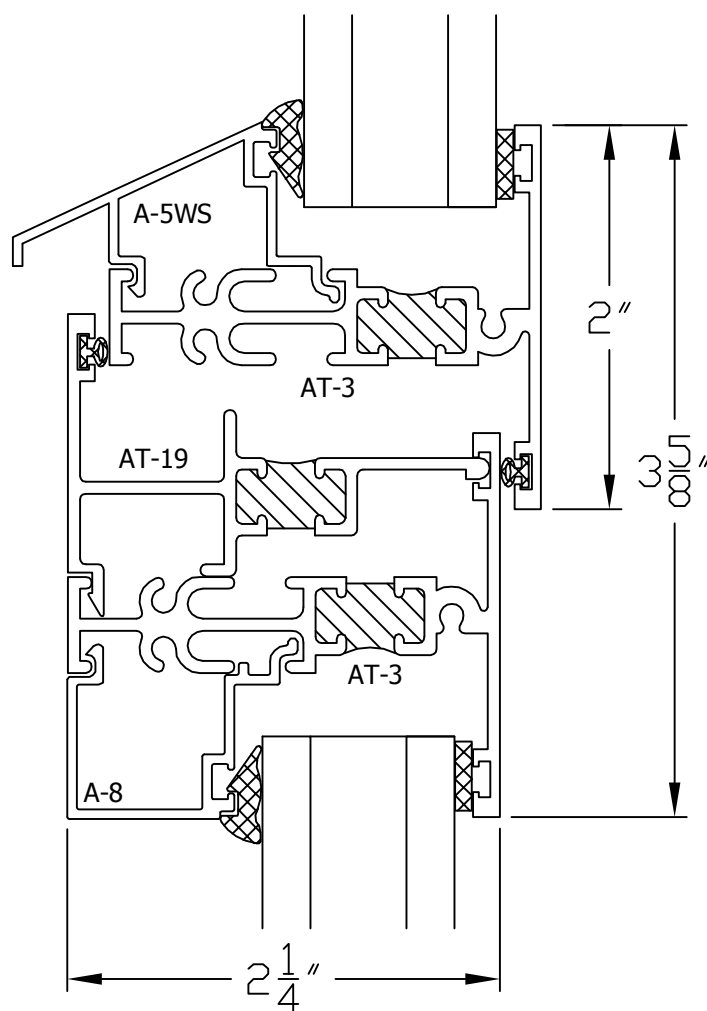
⑪B MULLION W/1 x 2
SUPPORT TUBE



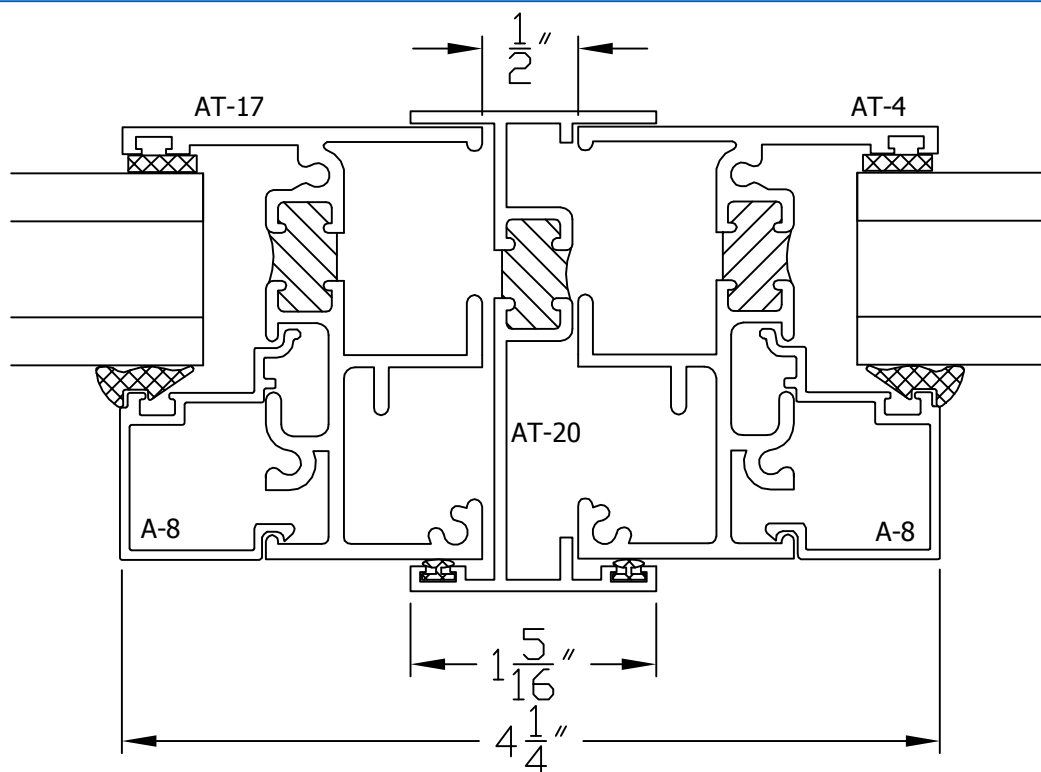
⑪C MULLION W/2 x 2
SUPPORT TUBE



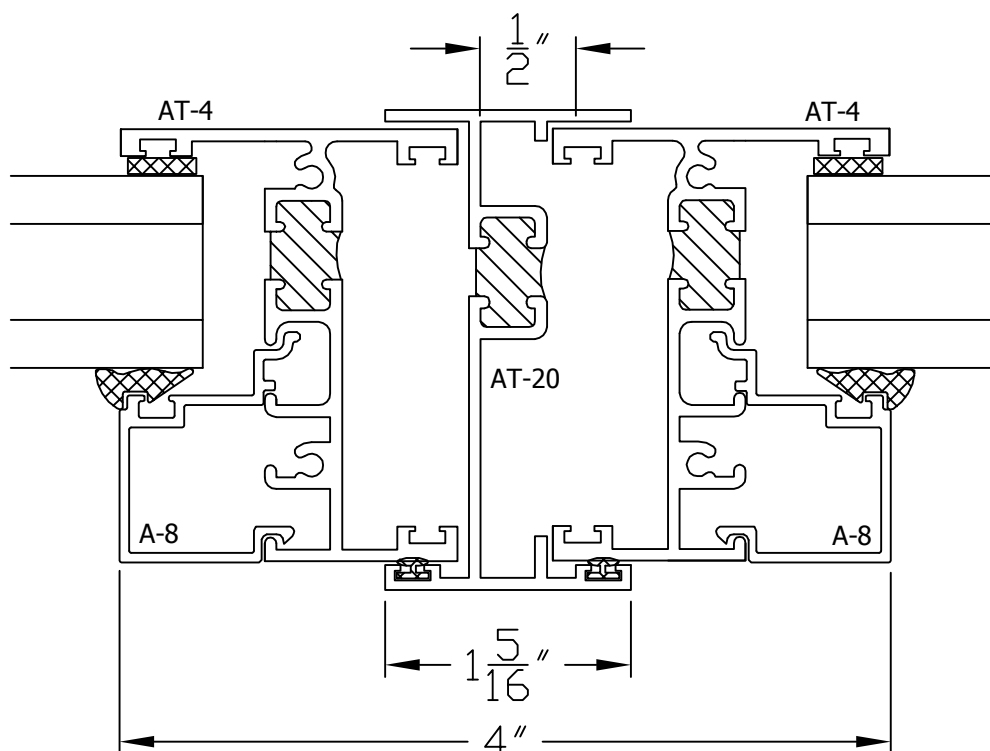
12 HEAD @
PROJECT IN VENT



13 PROJECT IN
VENT ABOVE FIXED

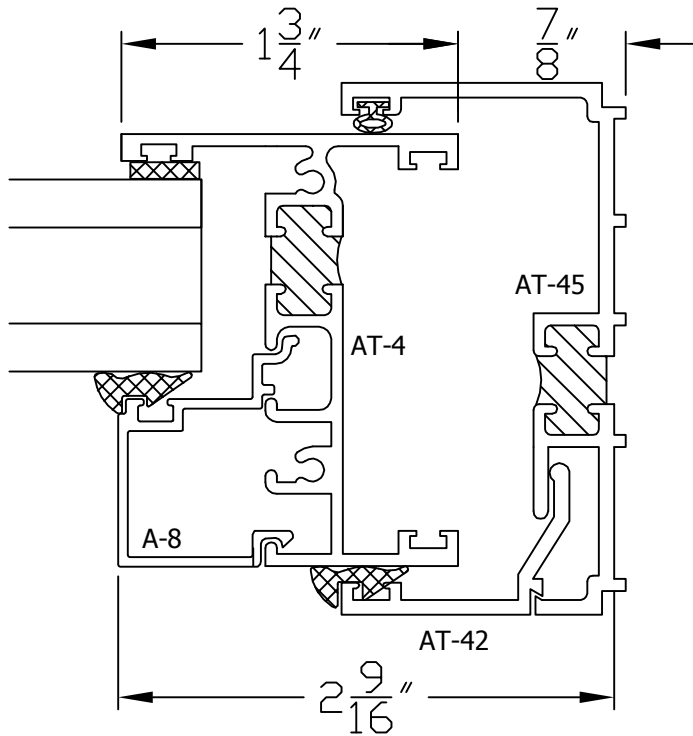


14 FIXED @ JAMB
W/ STACK BAR

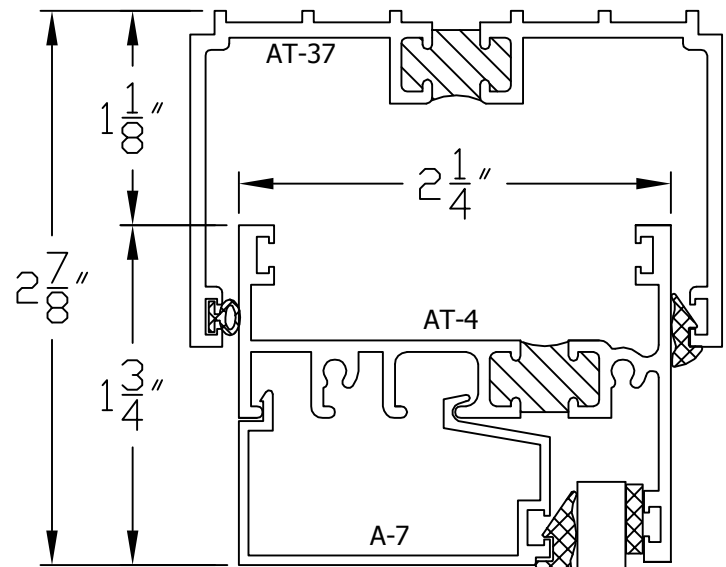


14A FIXED @ JAMB
W/ STACK BAR

JAMB COMPENSATING CHANNEL

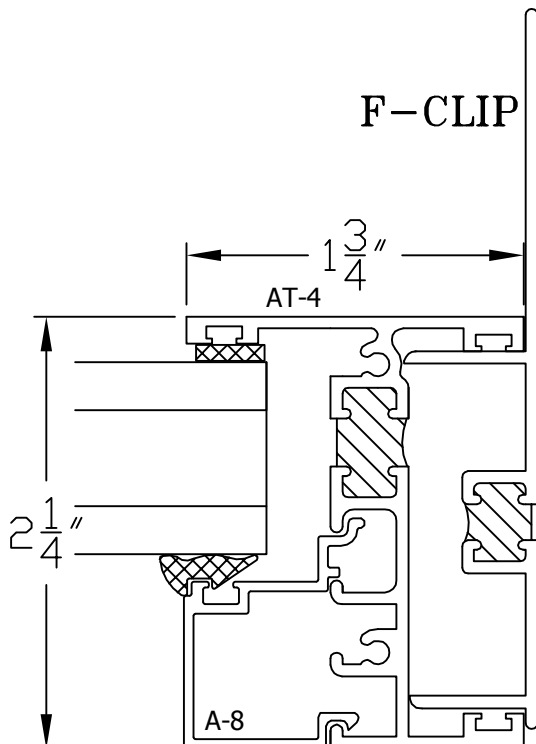


HEAD COMPENSATING CHANNEL

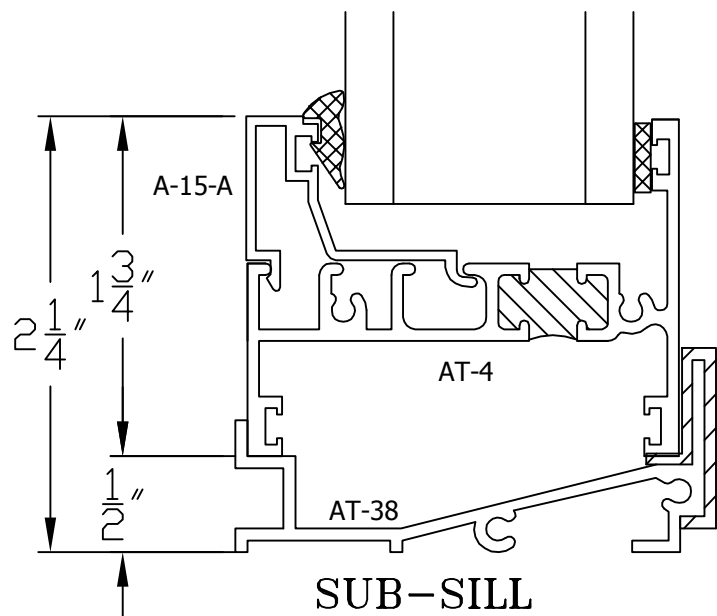


SINGLE GLAZE ADAPTOR

F-CLIP

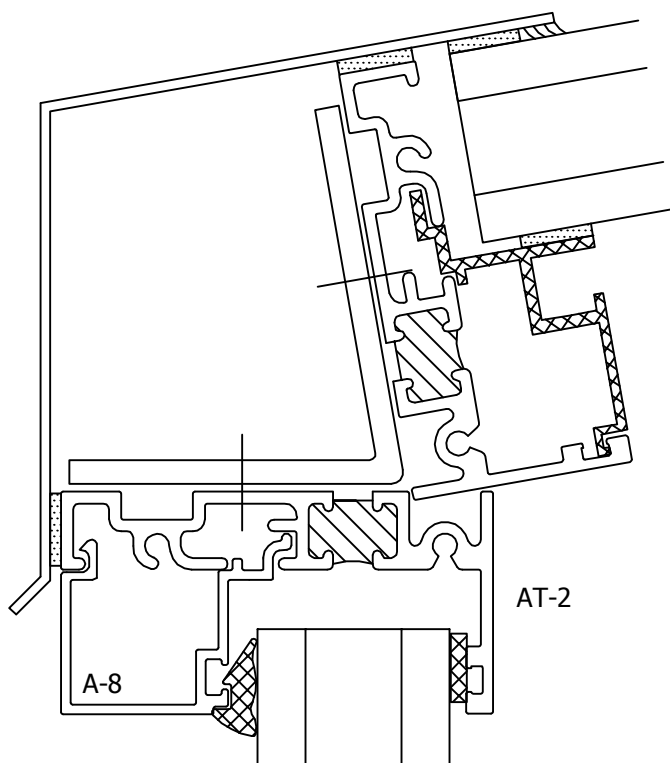


1 1/2" INFILL GLAZING STOP

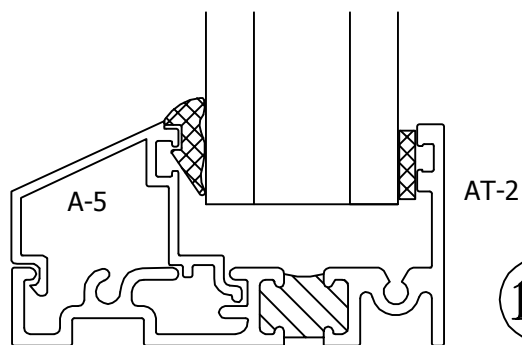
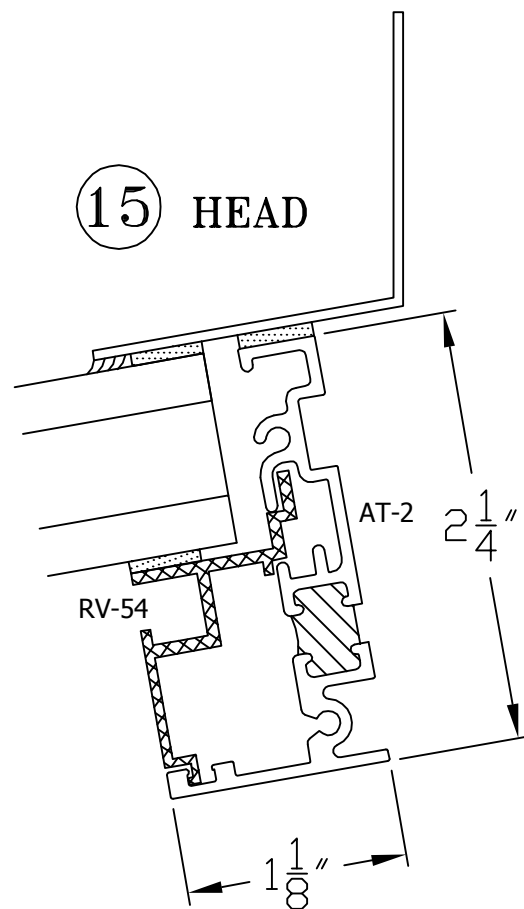


SUB-SILL

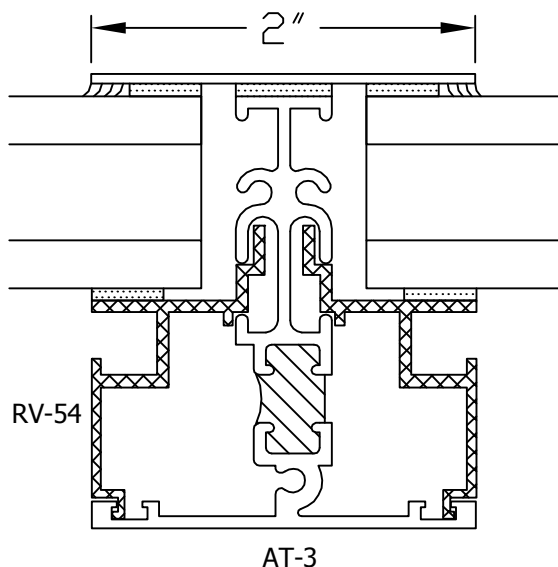
16 RIDGE



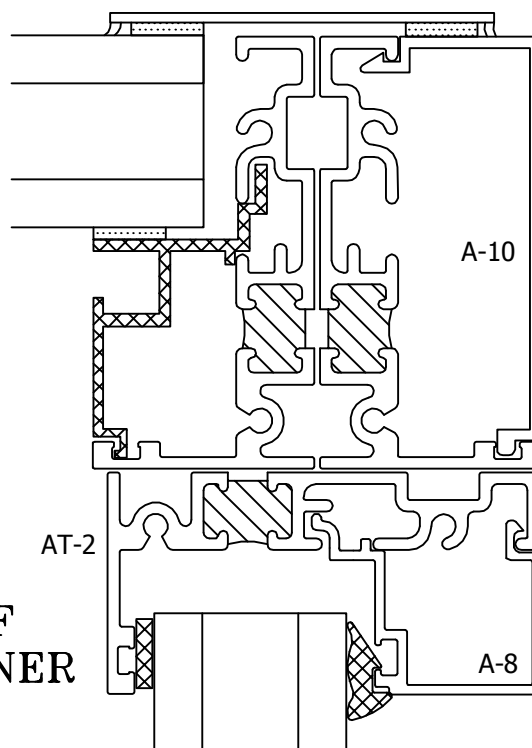
15 HEAD



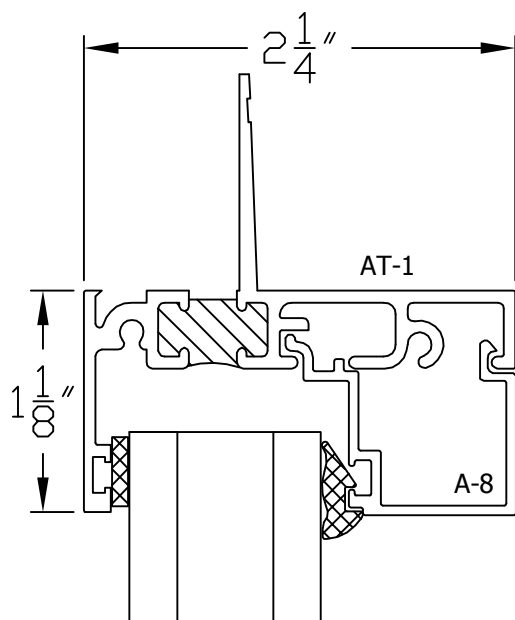
17 SILL



18 RAFTER

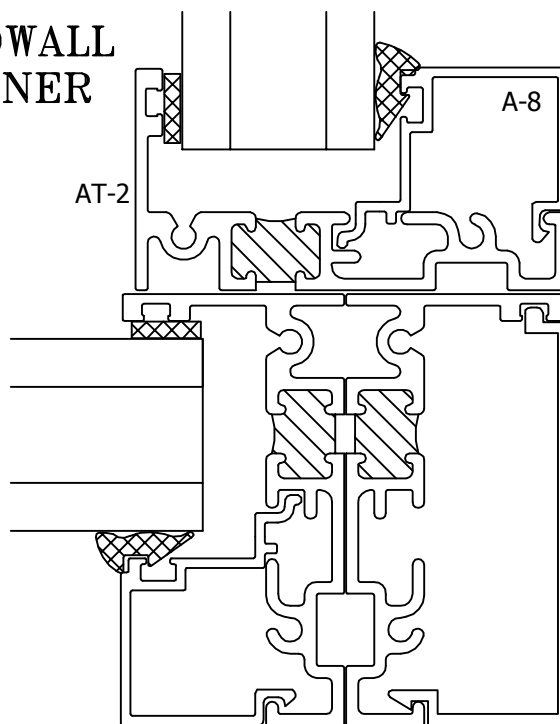


19 ROOF CORNER

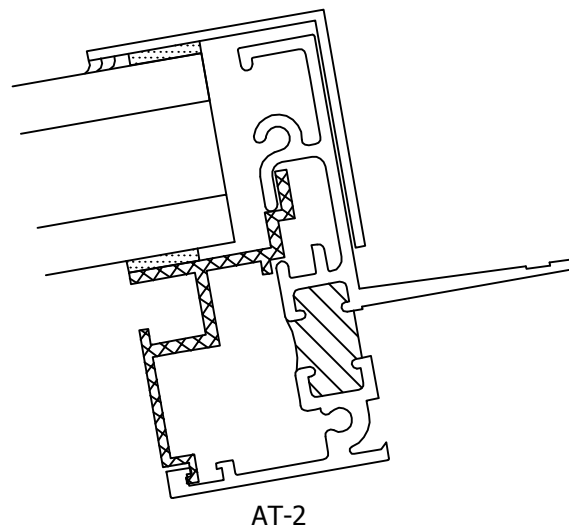
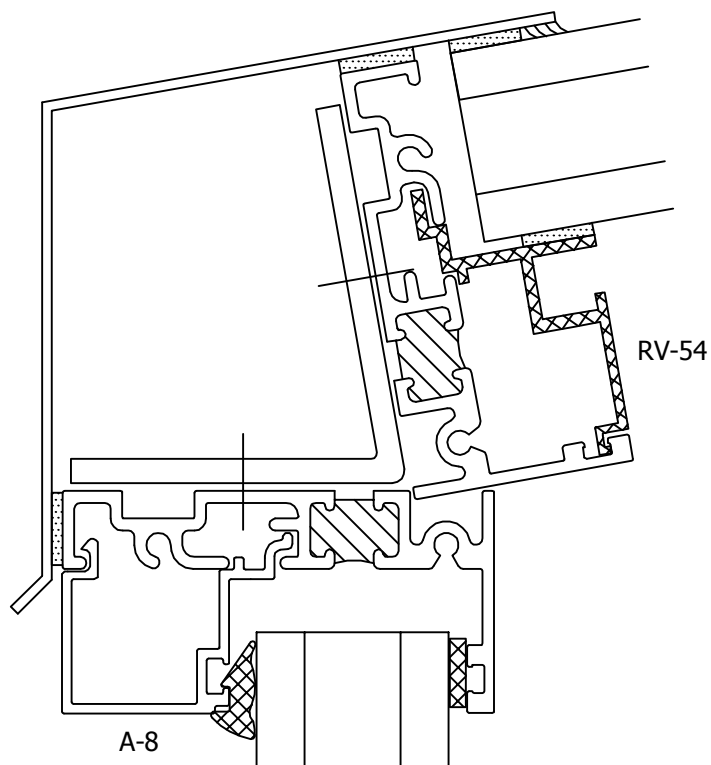


20 RETURN JAMB

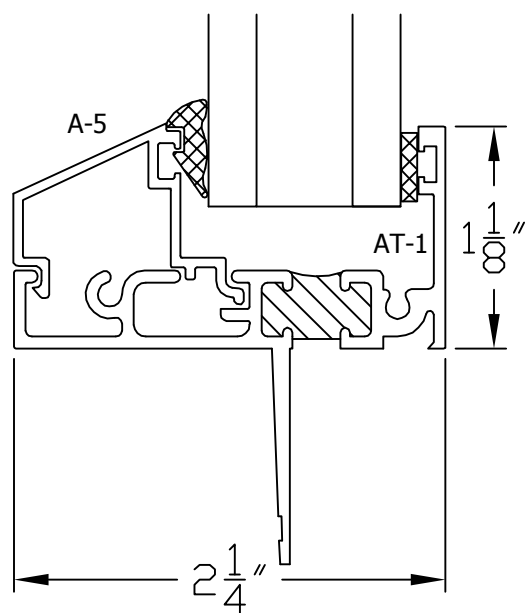
21 ENDWALL CORNER



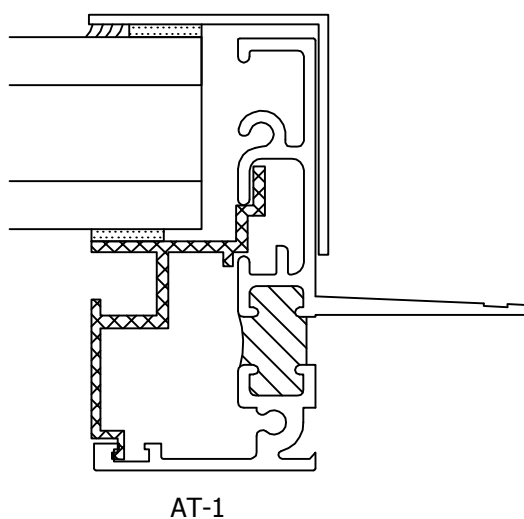
23 RIDGE



22 HEAD



24 SILL



25 ROOF JAMB