

SPECIFICATIONS: TB-2500 THERMAL WINDOW SERIES

GENERAL DESCRIPTION

Work includes furnishing all necessary materials, labor and equipment for the installation of the aluminum window system as specified herein.

NOT included: Structural support of the framing system.

PRODUCTS/MATERIALS

Extrusions shall be AA-6063-T5 alloy and temper (ASTM B221 alloy G.S.10A-T5). All members shall be a minimum 2 ½" in depth. All frame and vent sections shall be tubular extrusions with a nominal wall thickness of .125". Glazing beads shall have a thickness of not less than .062". Window sections shall have a minimum glazing leg of 11/16" and they shall be provided with snap-on aluminum glazing beads.

Weather-Strip- The vent and window framing shall be weathered with a durable, UV resistant, polyethylene cladding permanently bonded to resilient urethane foam which provides for outstanding sealing against air and water infiltration. Glazing gaskets shall be EPDM elastomeric extrusions or vinyl with a fiberglass reinforcement cord to prevent stretching.

Construction- The vent/frame corners shall be mitred cut for precision fit. Mitred corners shall be silicone sealed and mechanically fastened using aluminum; stainless steel or zinc plated steel fasteners in accordance with ASTM A 164.

Hardware- Projected windows shall be provided with two 4-bar stainless steel concealed hinges securely fastened to the frame and vent, and operating in a track provided with an adjustable nylon friction feature. The cam handles shall be manufactured from white bronze and secured with stainless steel fasteners. Casement windows shall be supported by butt hinges manufactured from anodized aluminum and secured with stainless fasteners. Casements shall have clear or bronze single arm roto gear operator with concealed mounting screws. Locking handles and concealed strikes shall be securely fastened with stainless steel fasteners.

THERMAL BARRIER

TB-2500 Series is a thermally broken system with a pour and debridge process that combines a mechanical and adhesive bond between the urethane and the aluminum. The cavity size of the thermal break shall be .744" wide, .365 high and shall have a throat opening of at least .312" wide. Residential size cavities will not be permitted.

FINISHES

All exposed framing surfaces shall be free of scratches and other serious blemishes. Aluminum extrusions shall be given an acid etch, followed by an anodic oxide treatment conforming to the American Architectural Metal Association to obtain a color anodized finish AA-M12C2XA31 class II (clear anodized) or AA-M12C2XA44 class I (dark bronze anodized). Black anodize, powder coat and Kynar finishes are available upon request.

EXECUTION

The framing system shall be installed, glazed, and adjusted by experienced workers in accordance with Ramco's installation instructions and the approved shop drawings.

CLEANING AND PROTECTION

After installation all metal surfaces shall be cleaned to remove contaminants. All work shall be protected against damage until approved by the general contractor. Thereafter, it shall be the responsibility of the general contractor to provide protection and final cleaning.

NOTE: "Always Service All Ways" is our trade mark and to keep up with today's innovations Ramco reserves the right to change specifications without written notice.

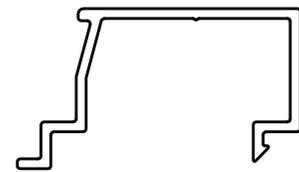
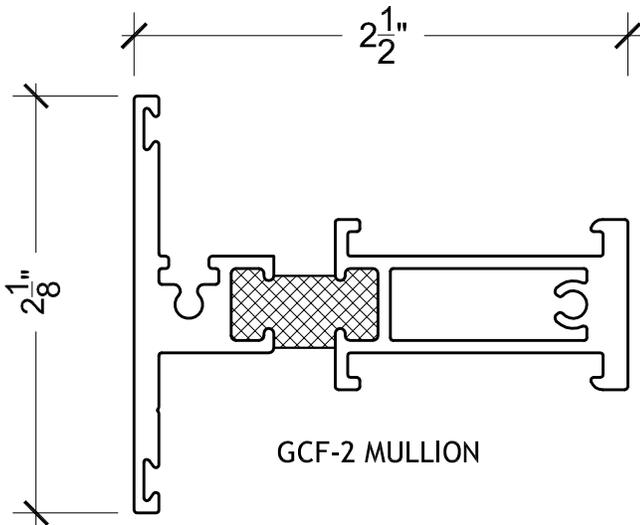
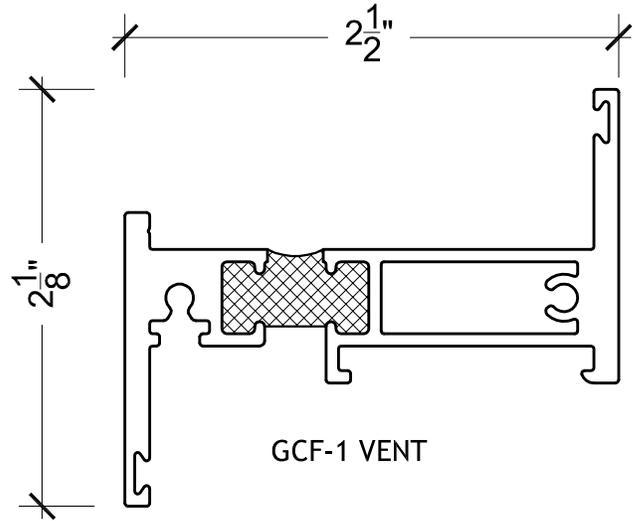
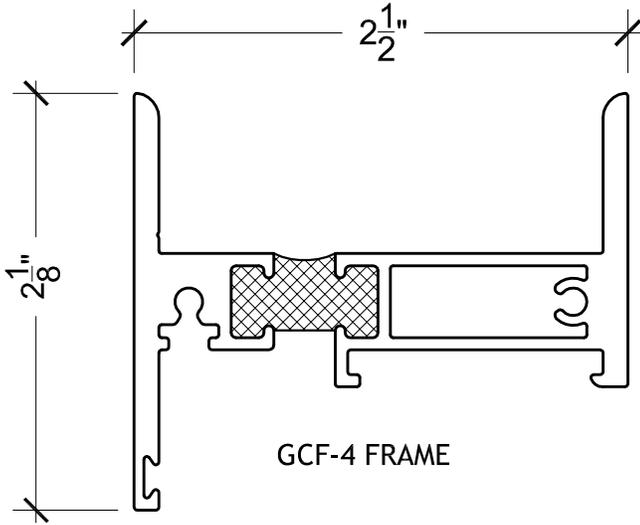
Ramco 2009



RELIABLE ARCHITECTURAL METALS COMPANY

9751 ERWIN STREET
DETROIT, MI 48213
PH: 800.445.0263 FAX: 313.924.8877

2 1/2" TB-2500 WINDOW PARTS (1" GLAZING)



A-467 BULB VINYL



1/16" X 3/8" BUTYL TAPE
R-6315



TR-5114 VINYL



R-8600 WEDGE VINYL



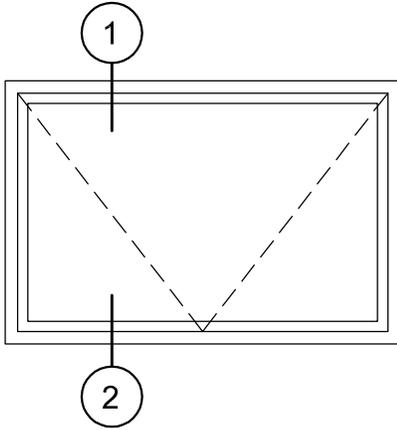
Q-LON



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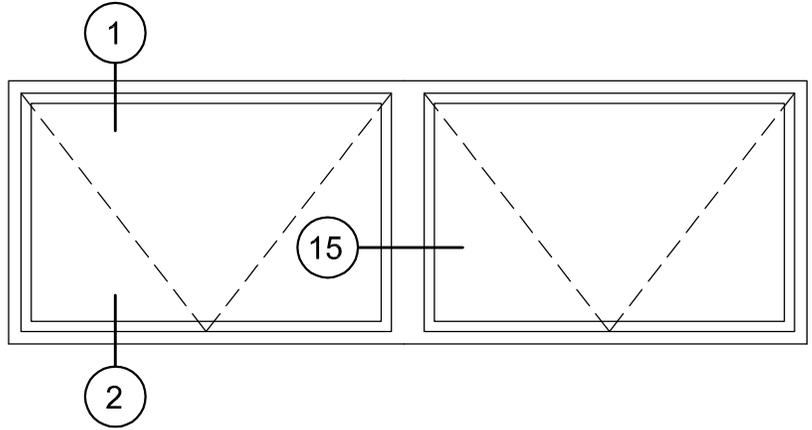
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2 1/2" TB-2500 WINDOW ELEVATIONS (1" GLAZING)

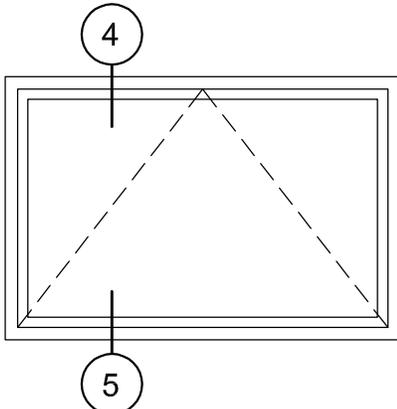


HOPPER

PROJECT IN
CAM HANDLE AT TOP / HINGE AT BOTTOM

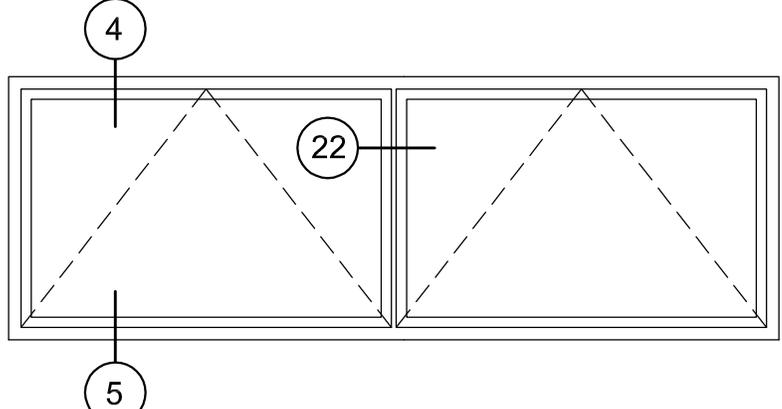


DOUBLE HOPPER

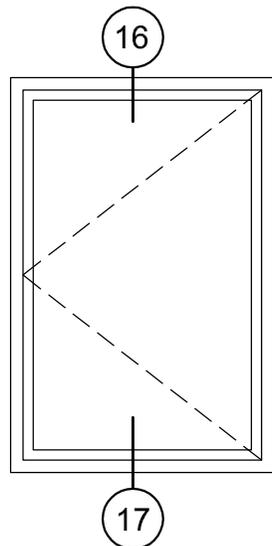


AWNING

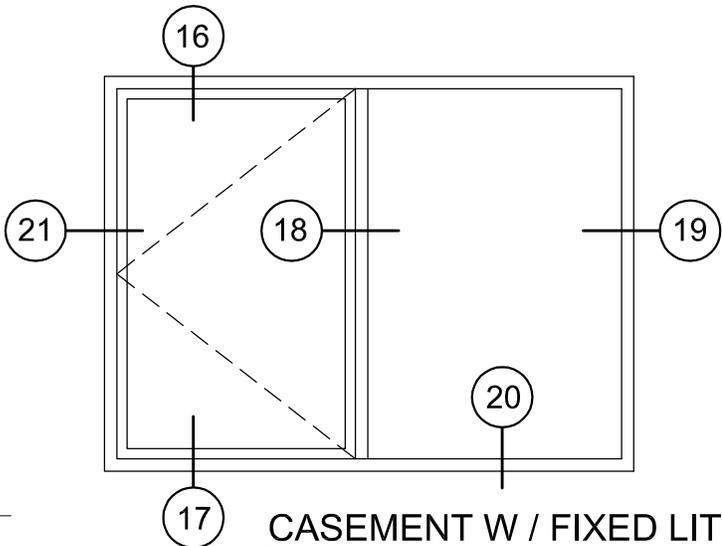
PROJECT OUT
CAM HANDLE AT BOTTOM / HINGE AT TOP



DOUBLE AWNING



CASEMENT



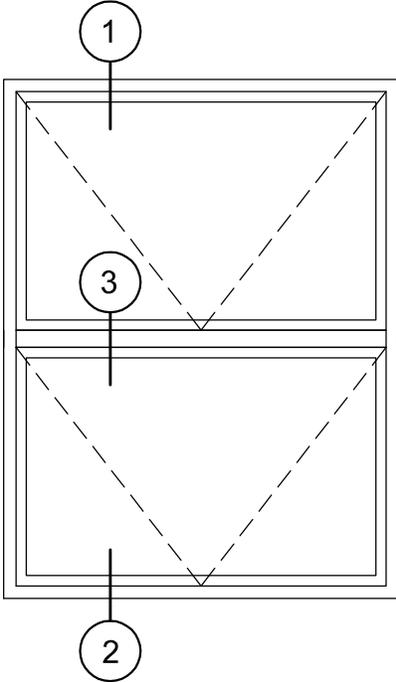
CASEMENT W / FIXED LITE



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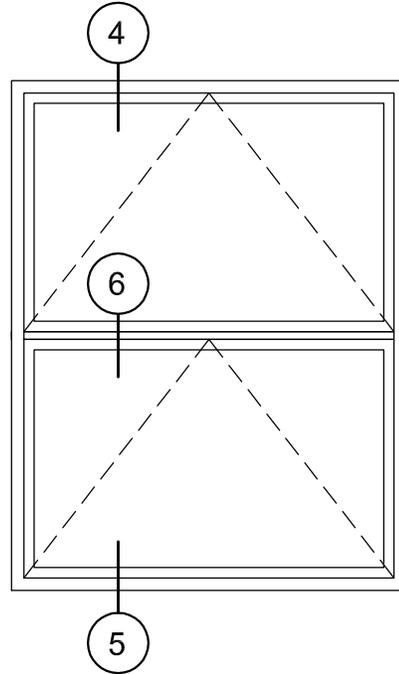
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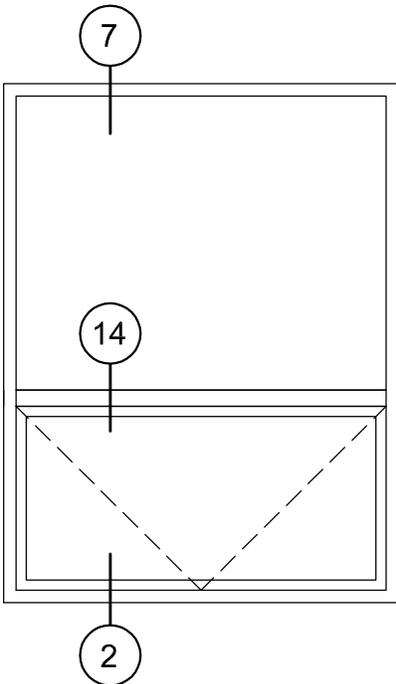
STACK HOPPER

PROJECT IN
CAM HANDLE AT TOP / HINGE AT BOTTOM

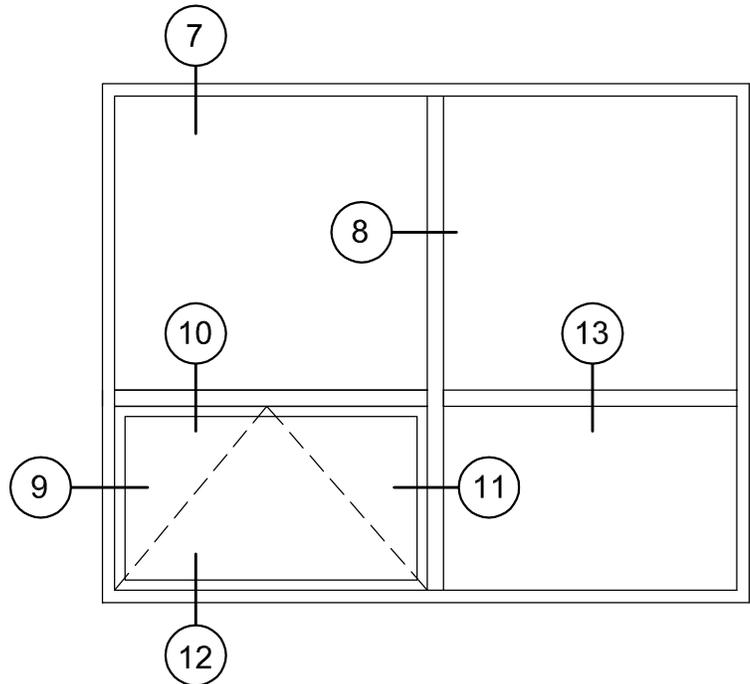


STACK AWNING

PROJECT OUT
CAM HANDLE AT BOTTOM / HINGE AT TOP



CLASSROOM HOPPER



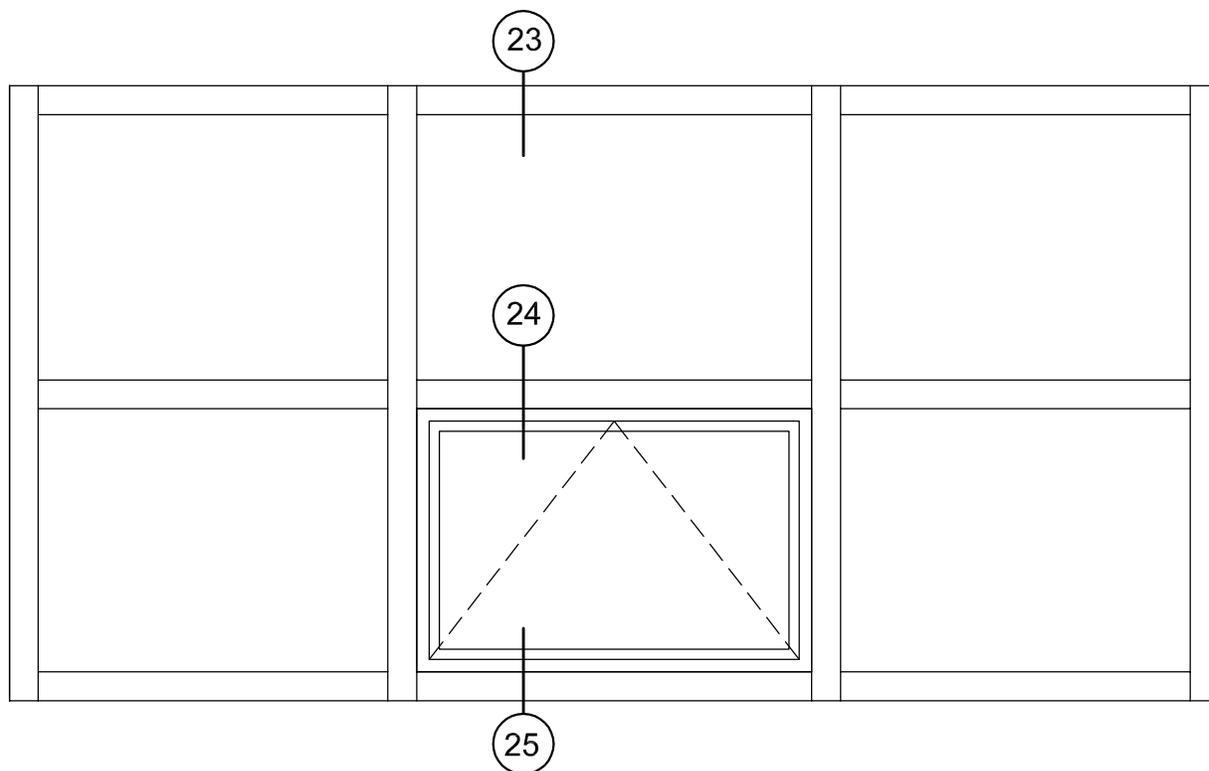
CLASSROOM W / FIXED LITE



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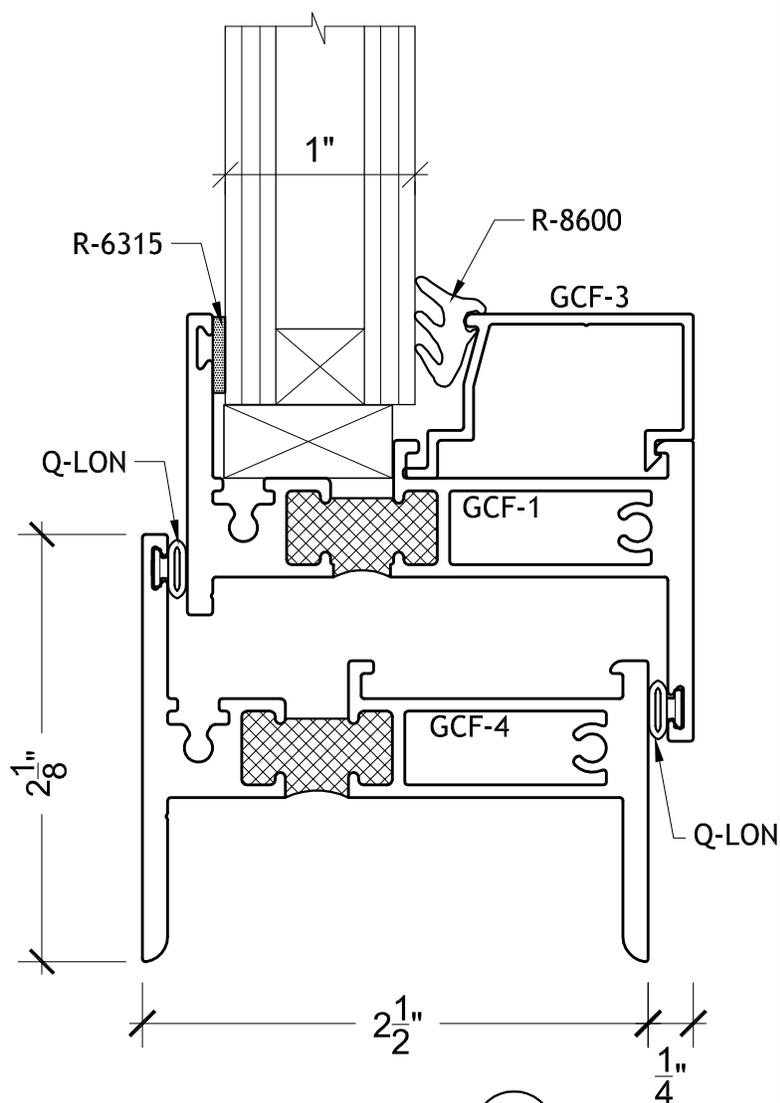
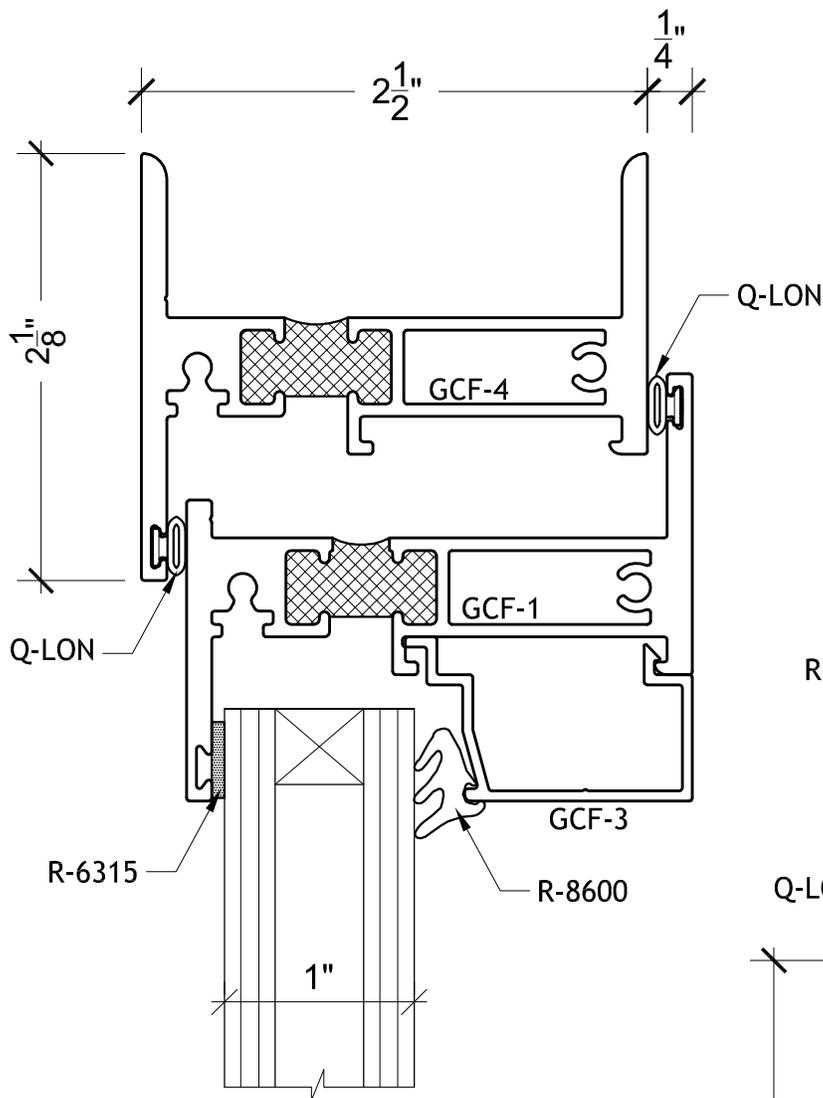
INSERT AWNING VENT WITH 2" X 4 1/2" RTF-1850 SERIES FLUSH GLAZE



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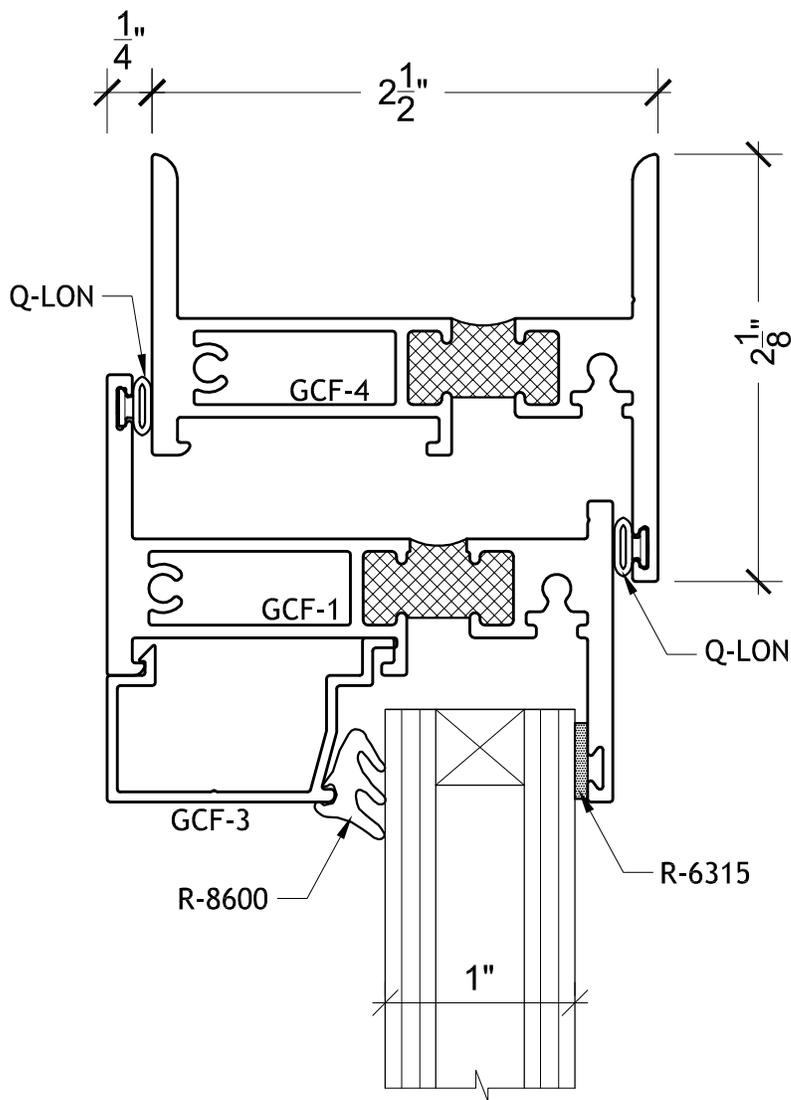




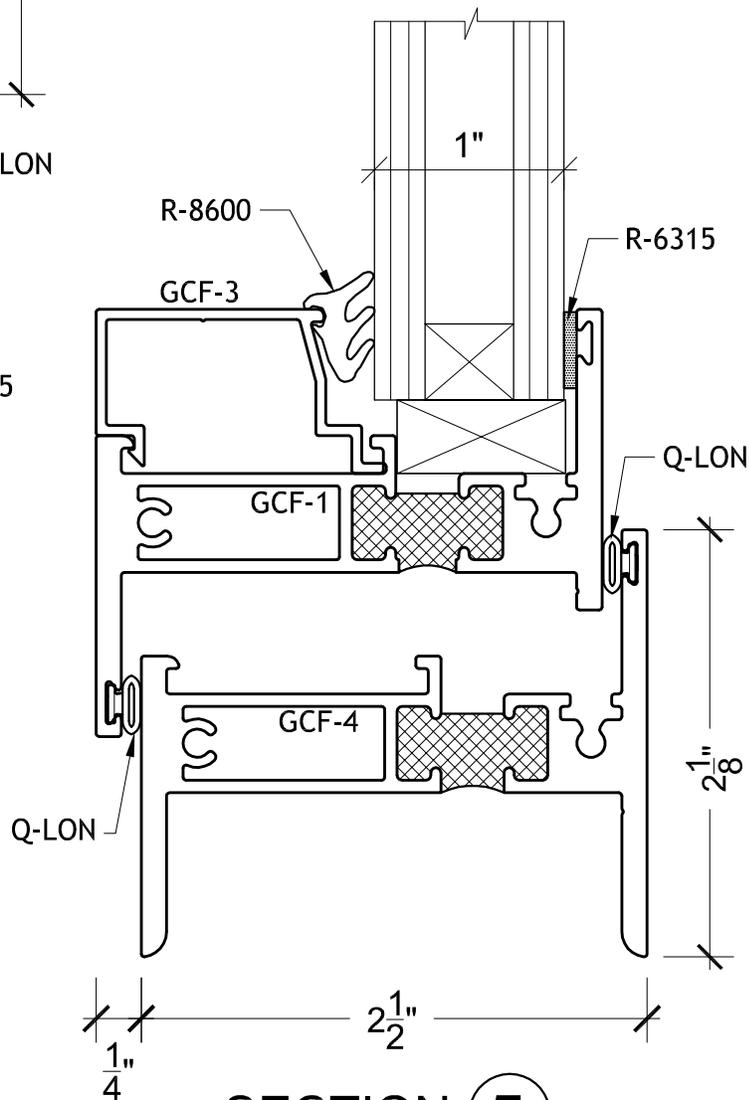
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SECTION 4



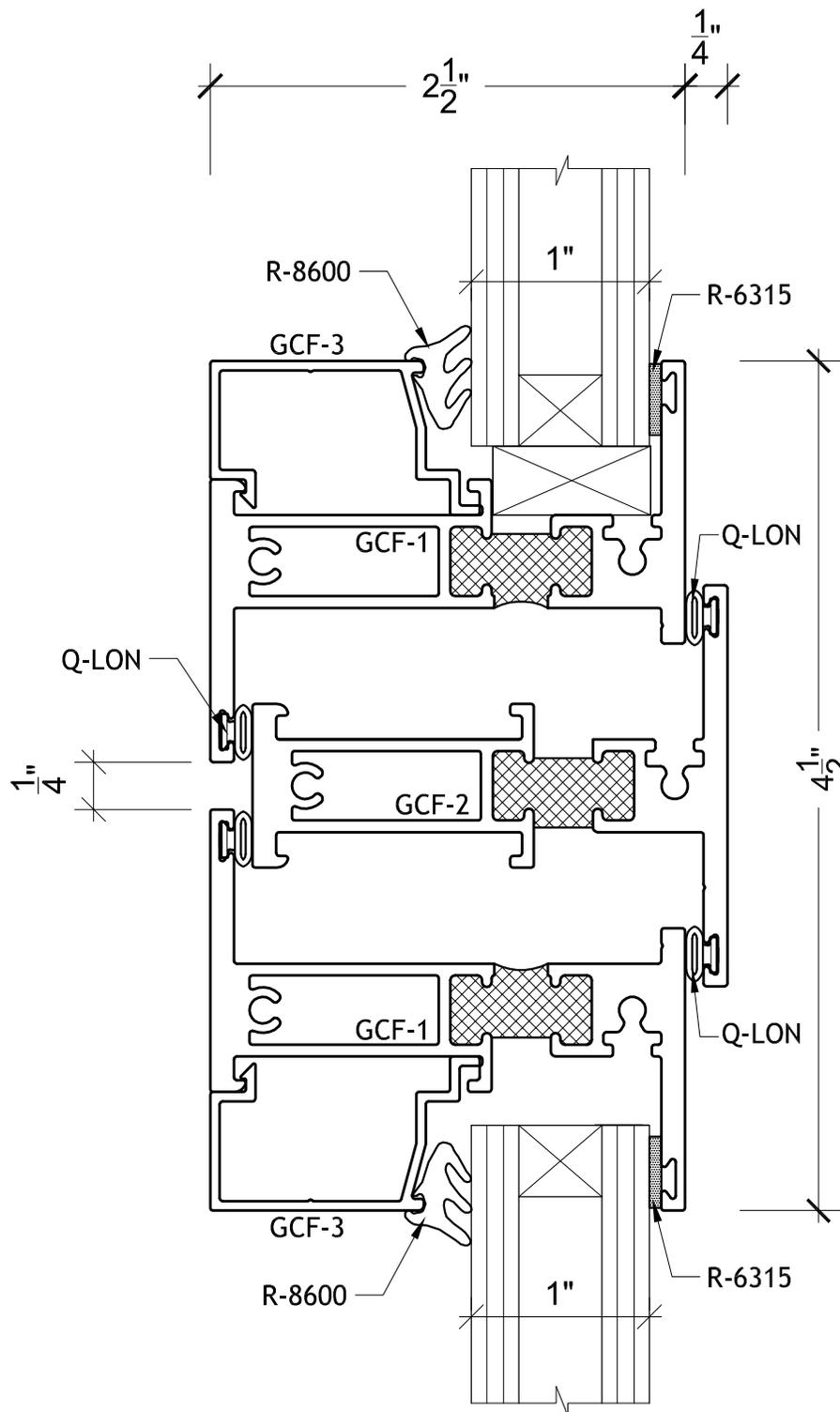
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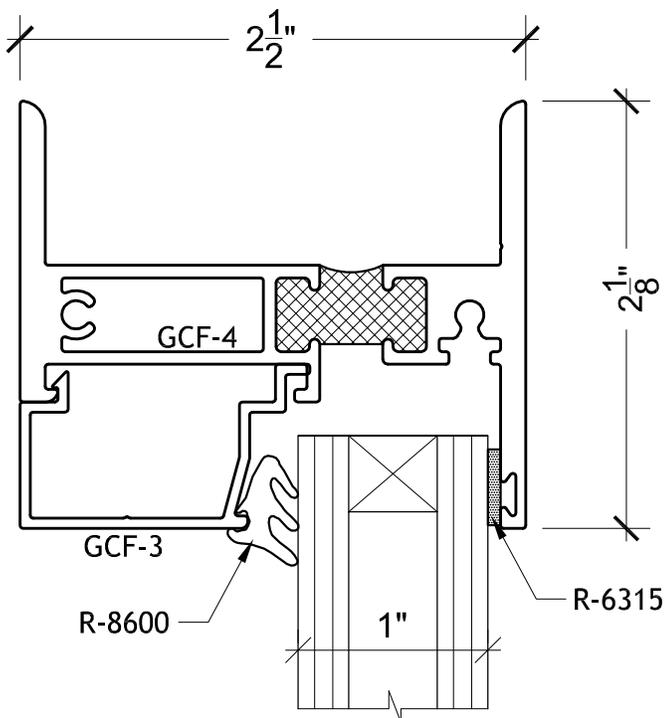
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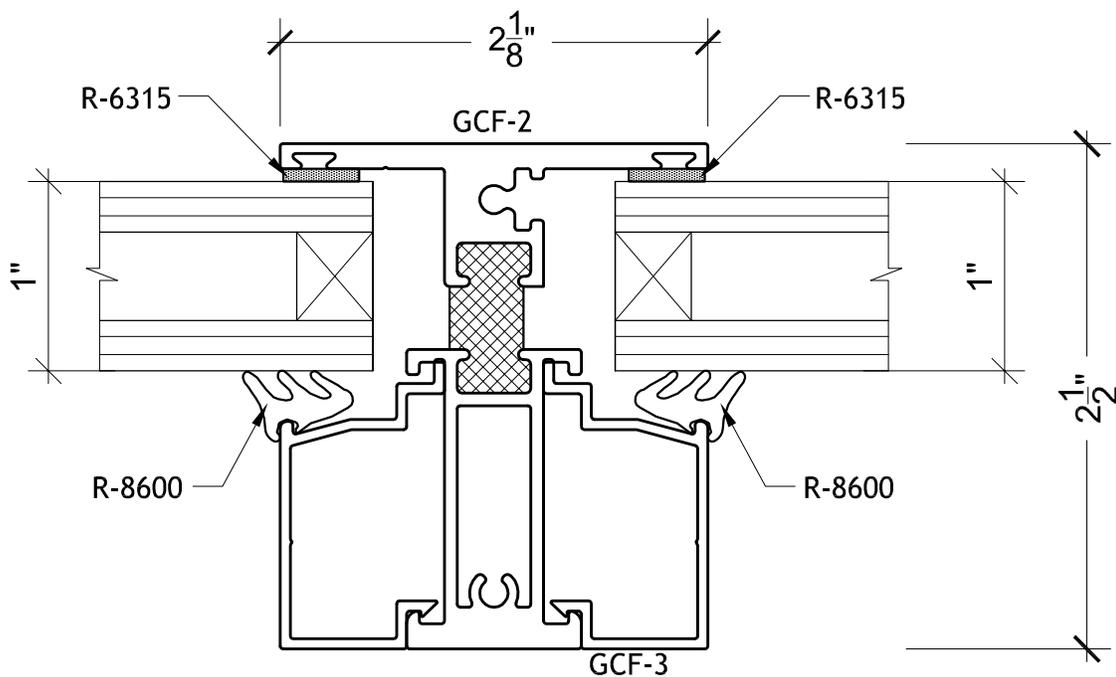
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SECTION 7



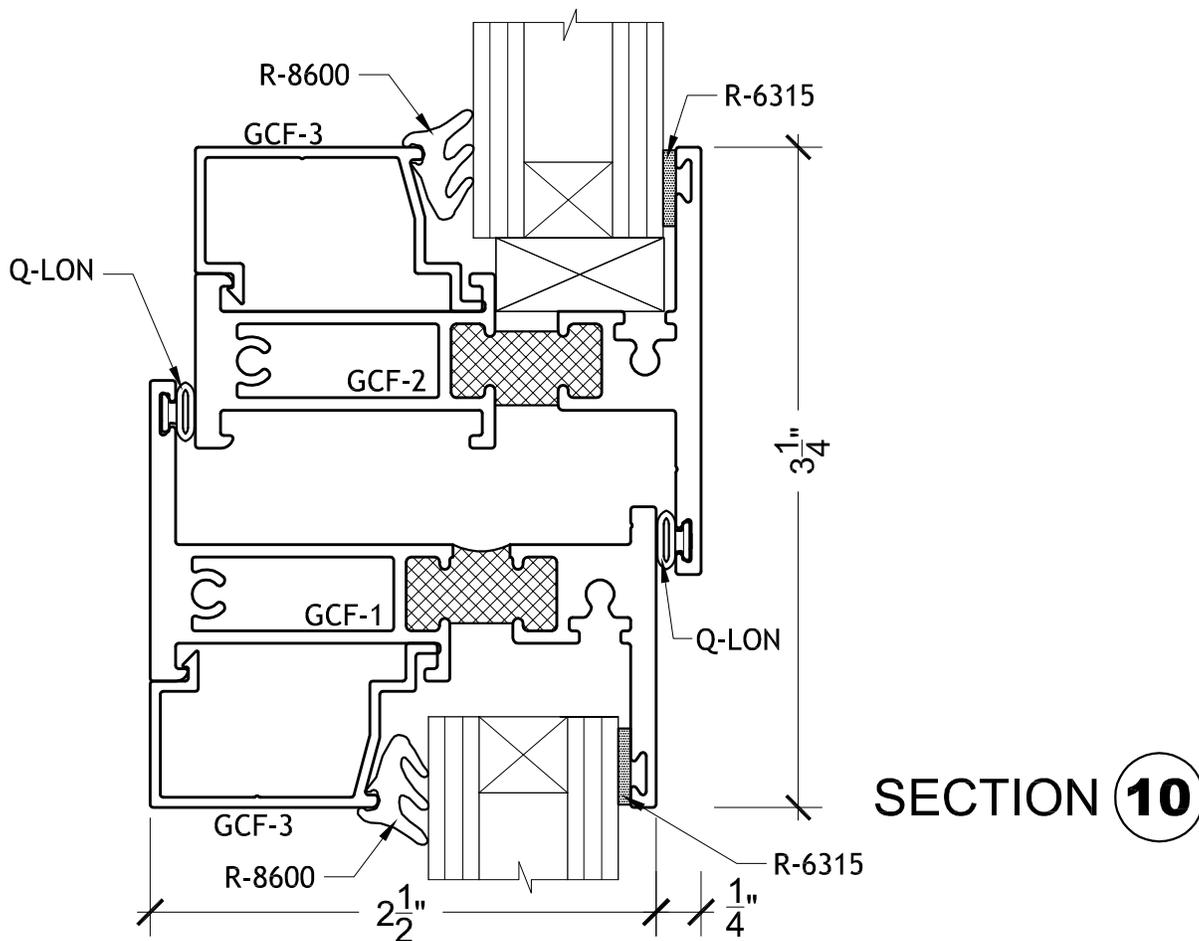
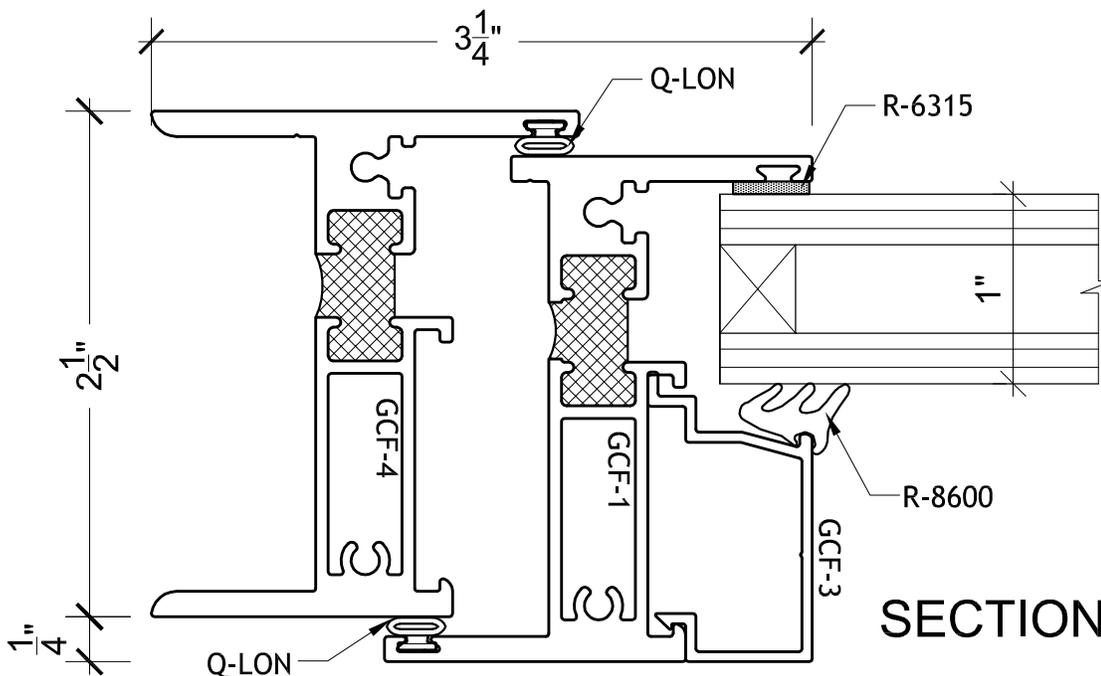
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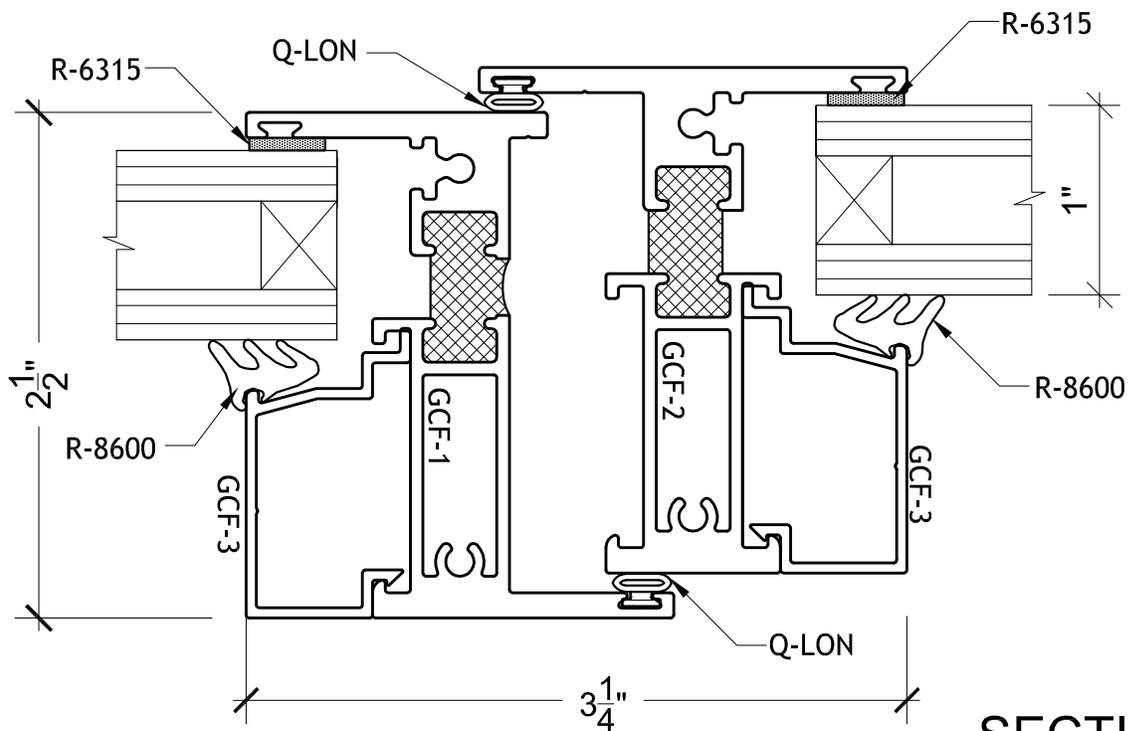




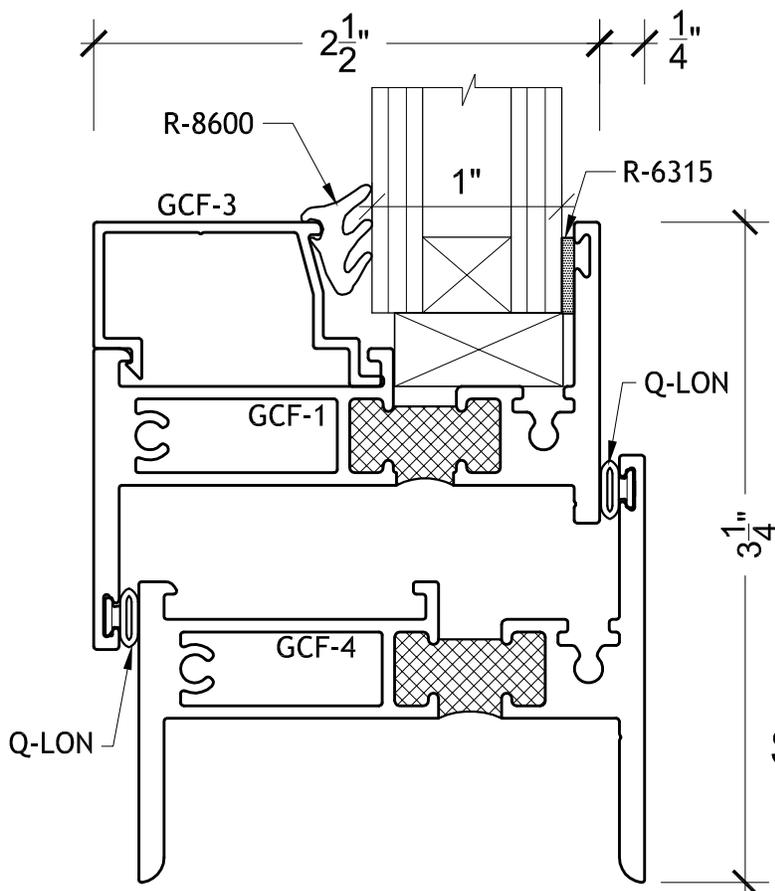
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SECTION 11



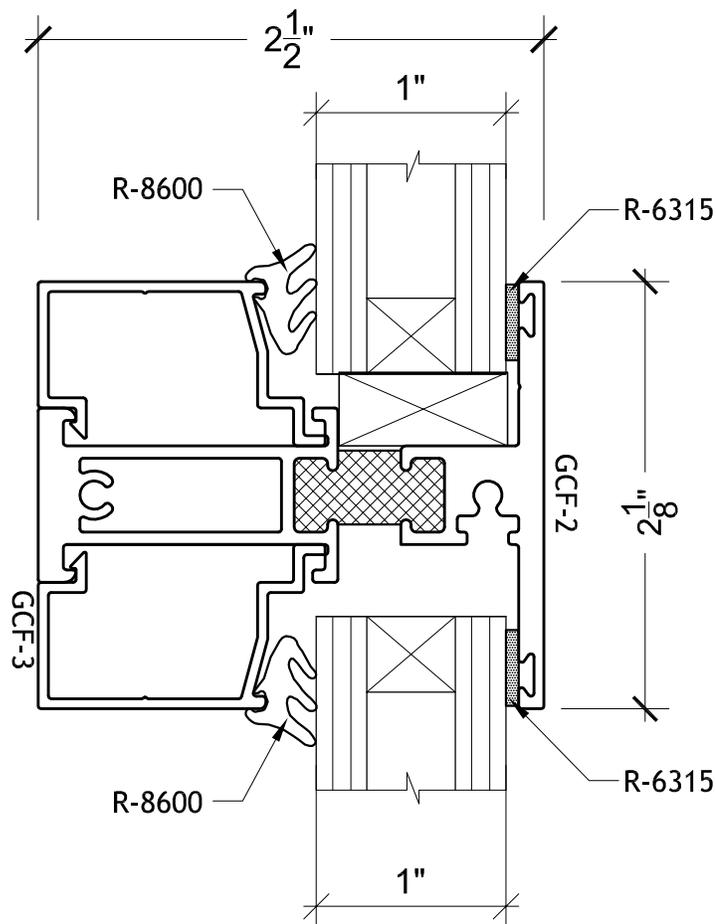
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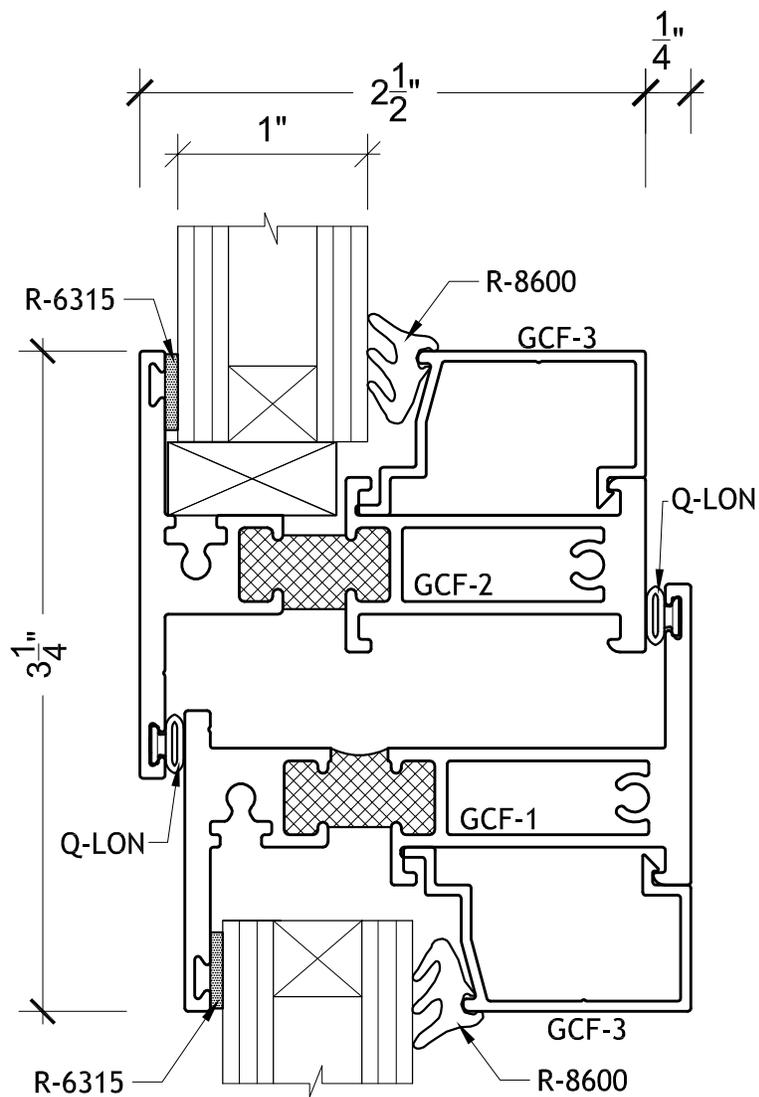
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SECTION 13



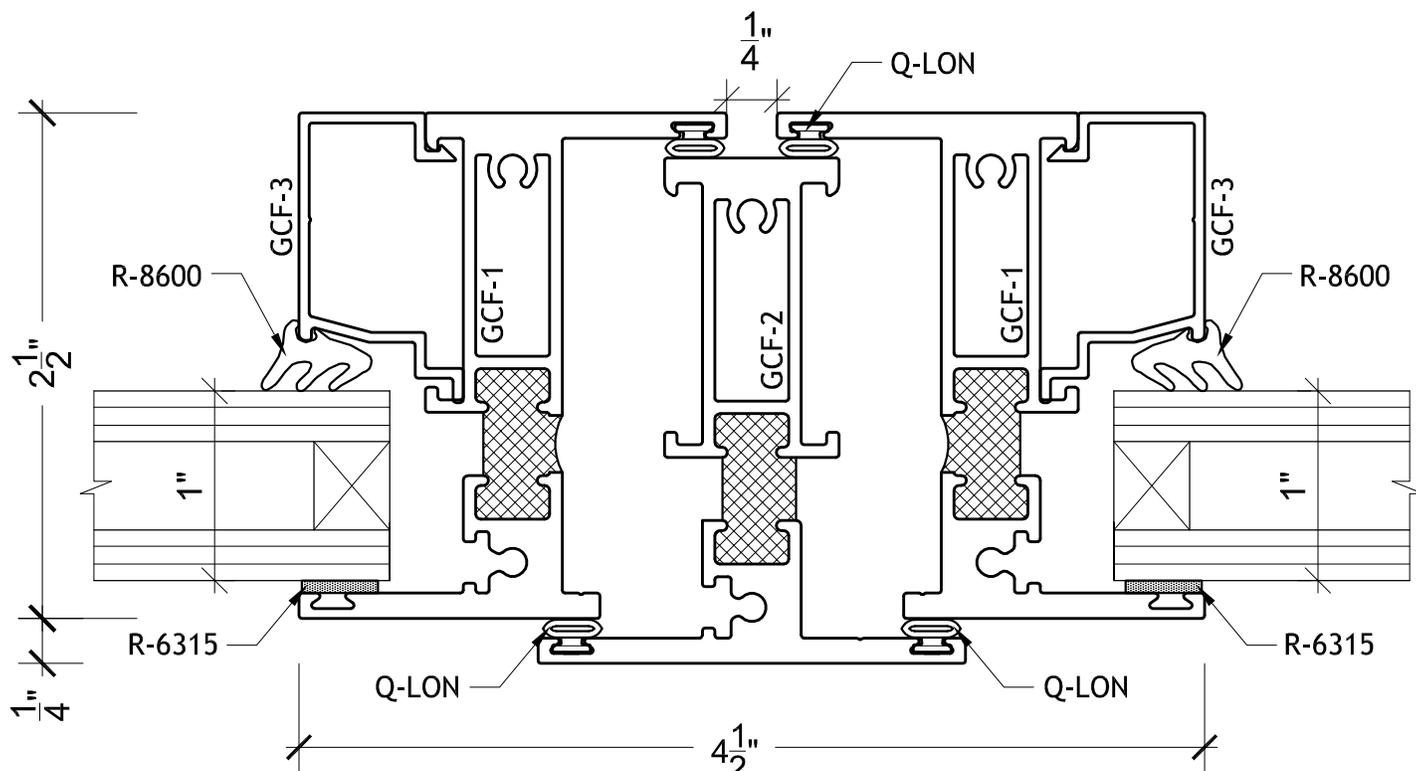
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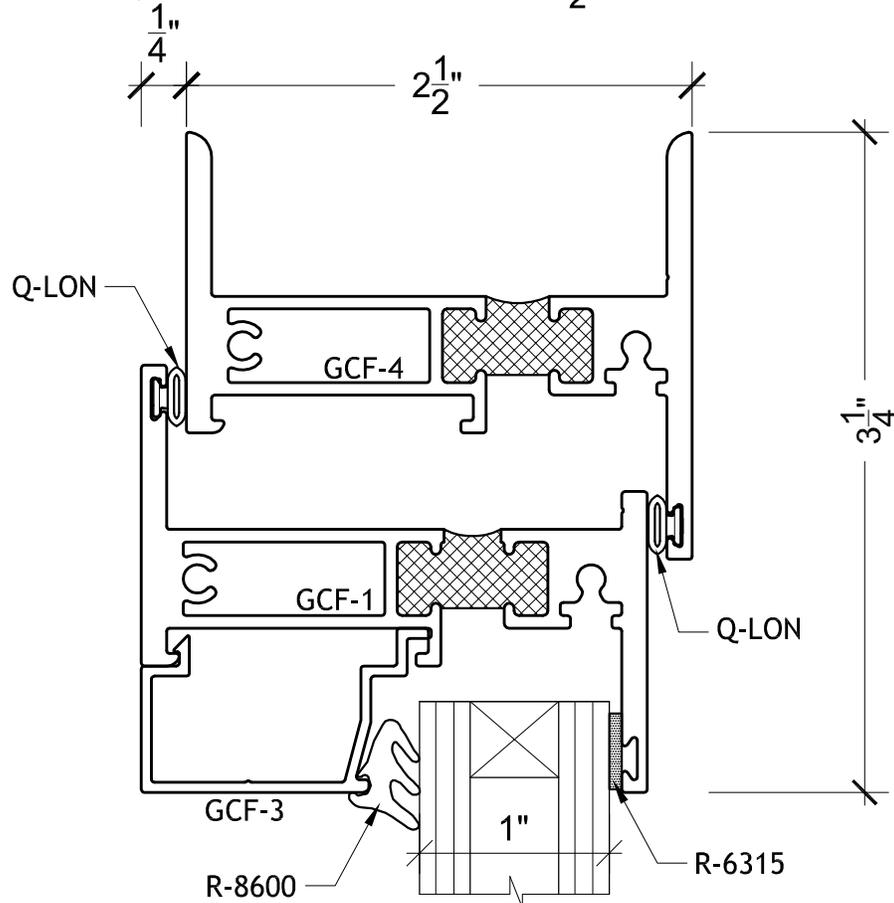
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SECTION 15



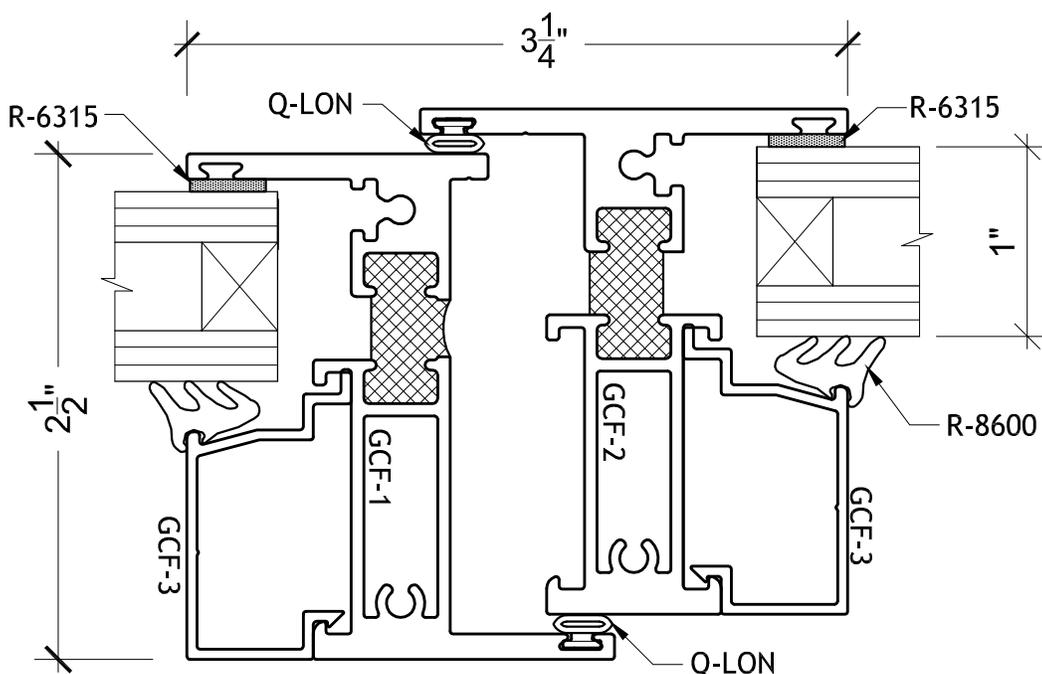
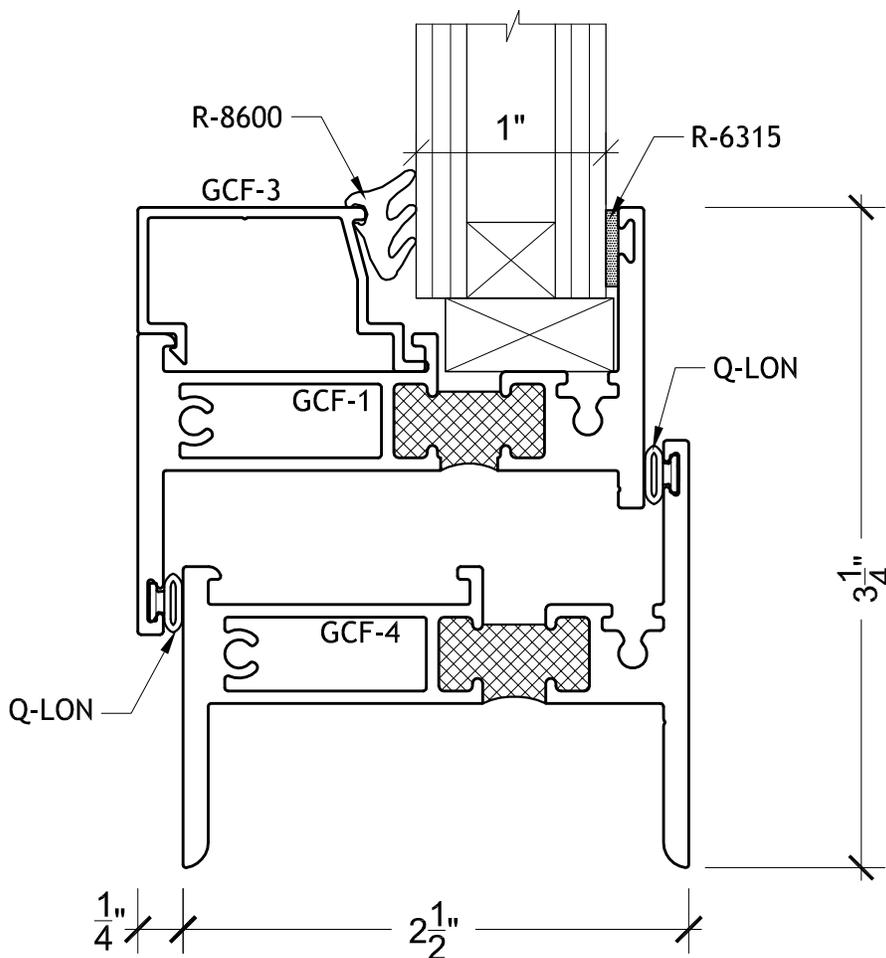
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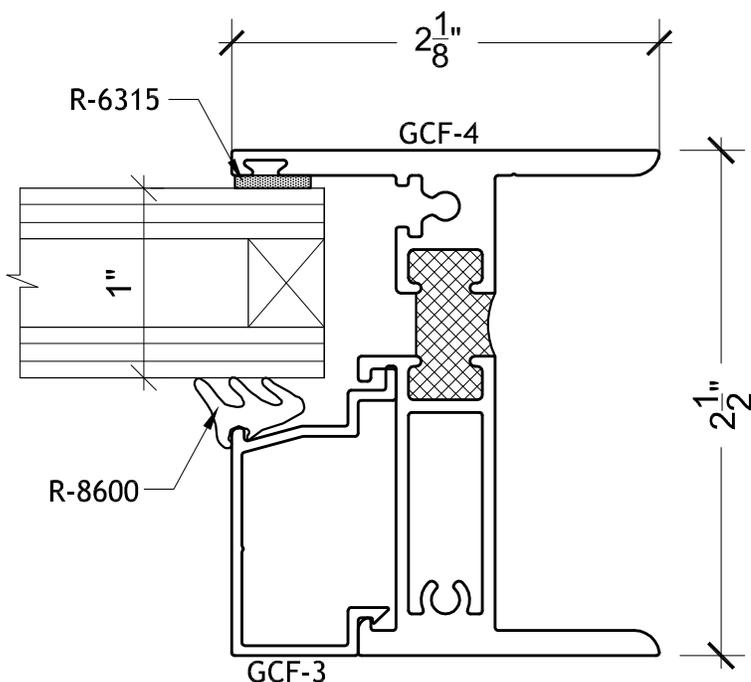




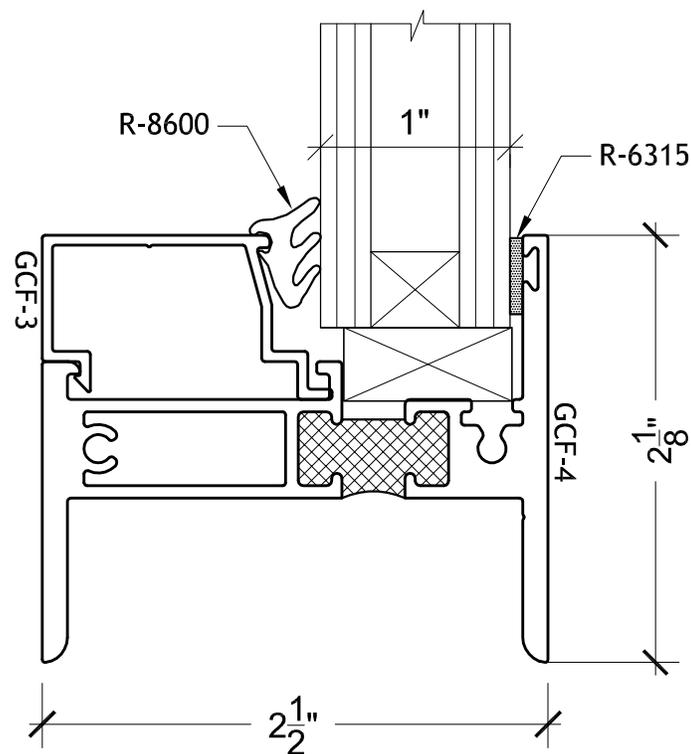
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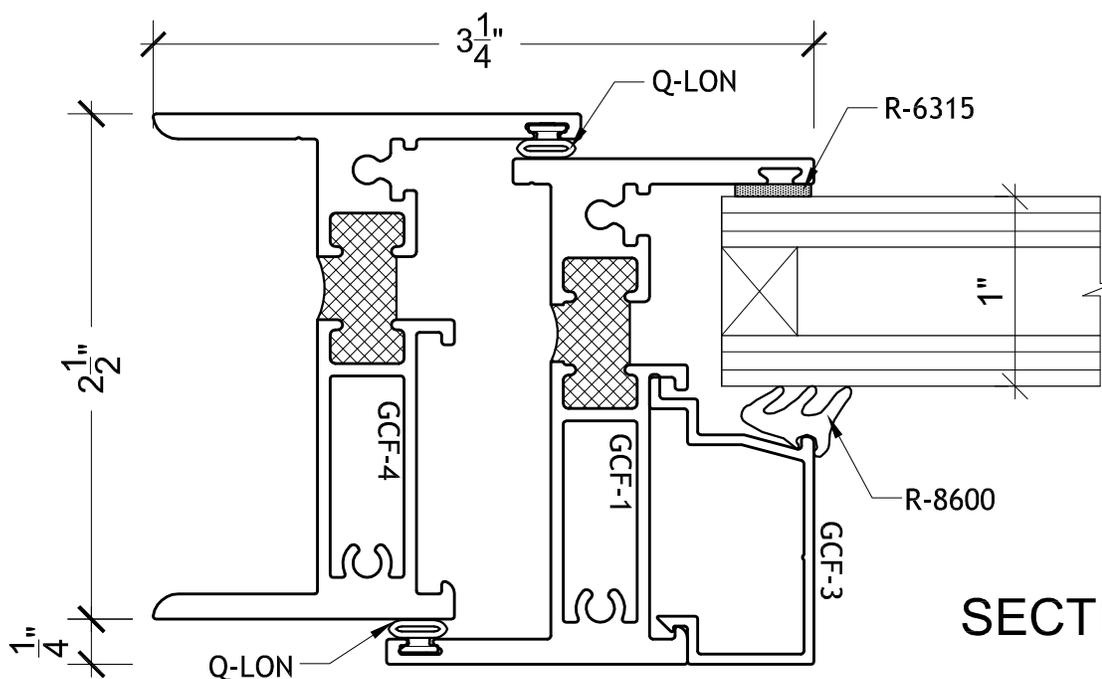
2 1/2" TB-2500 WINDOW DETAILS (1" GLAZING)



SECTION 19



SECTION 20



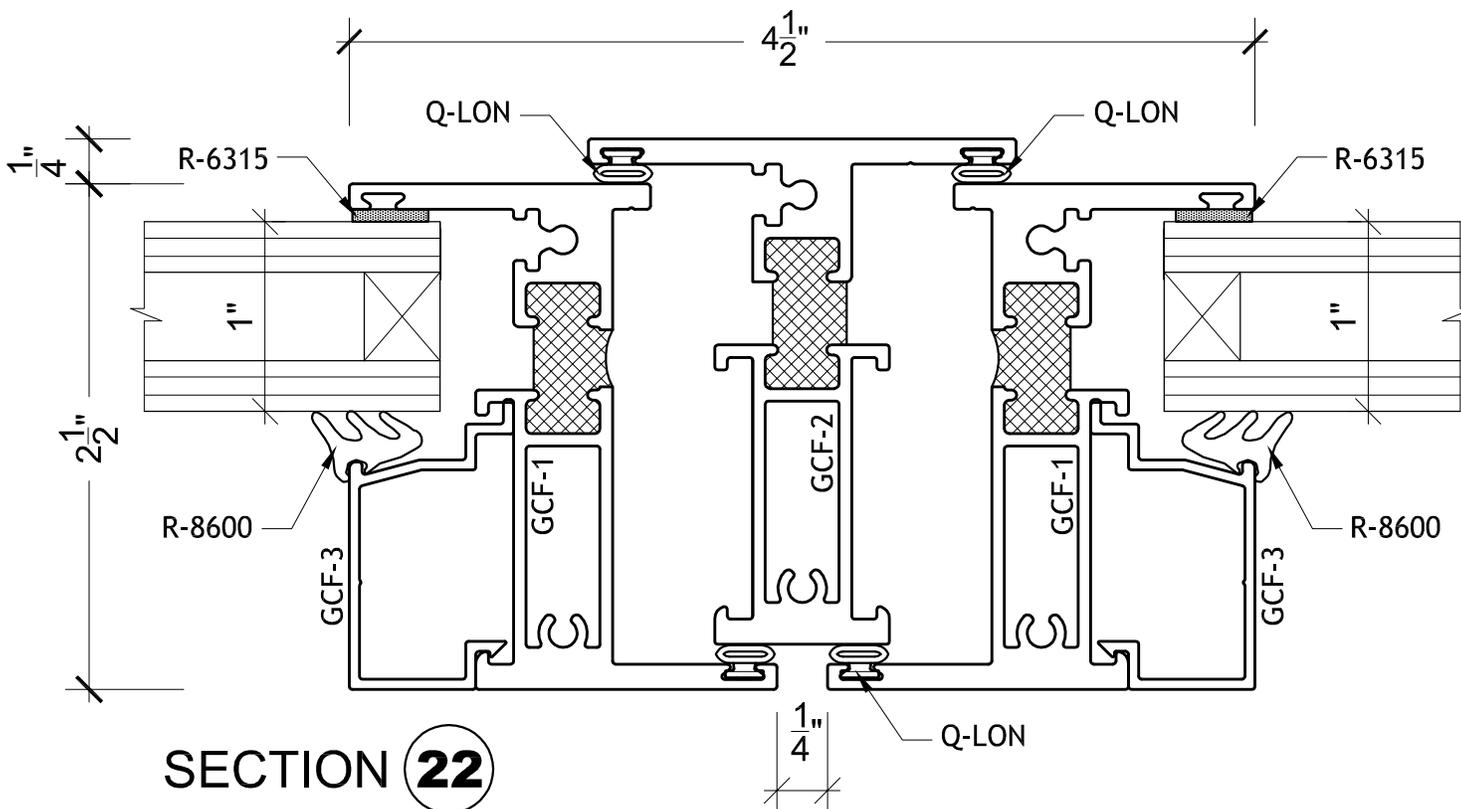
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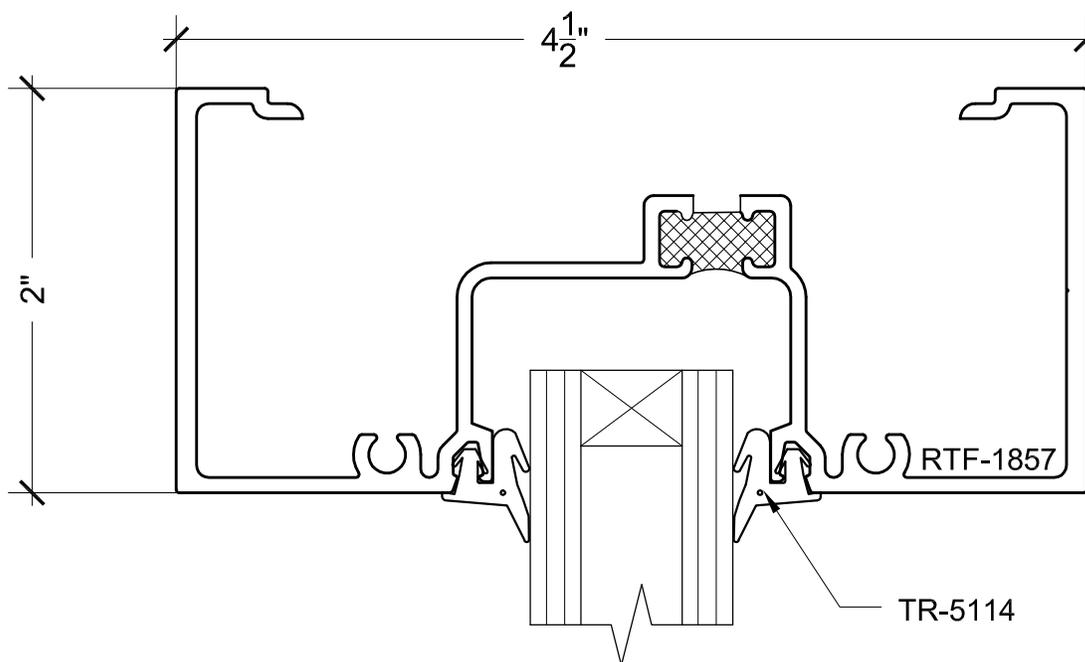
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SECTION 22



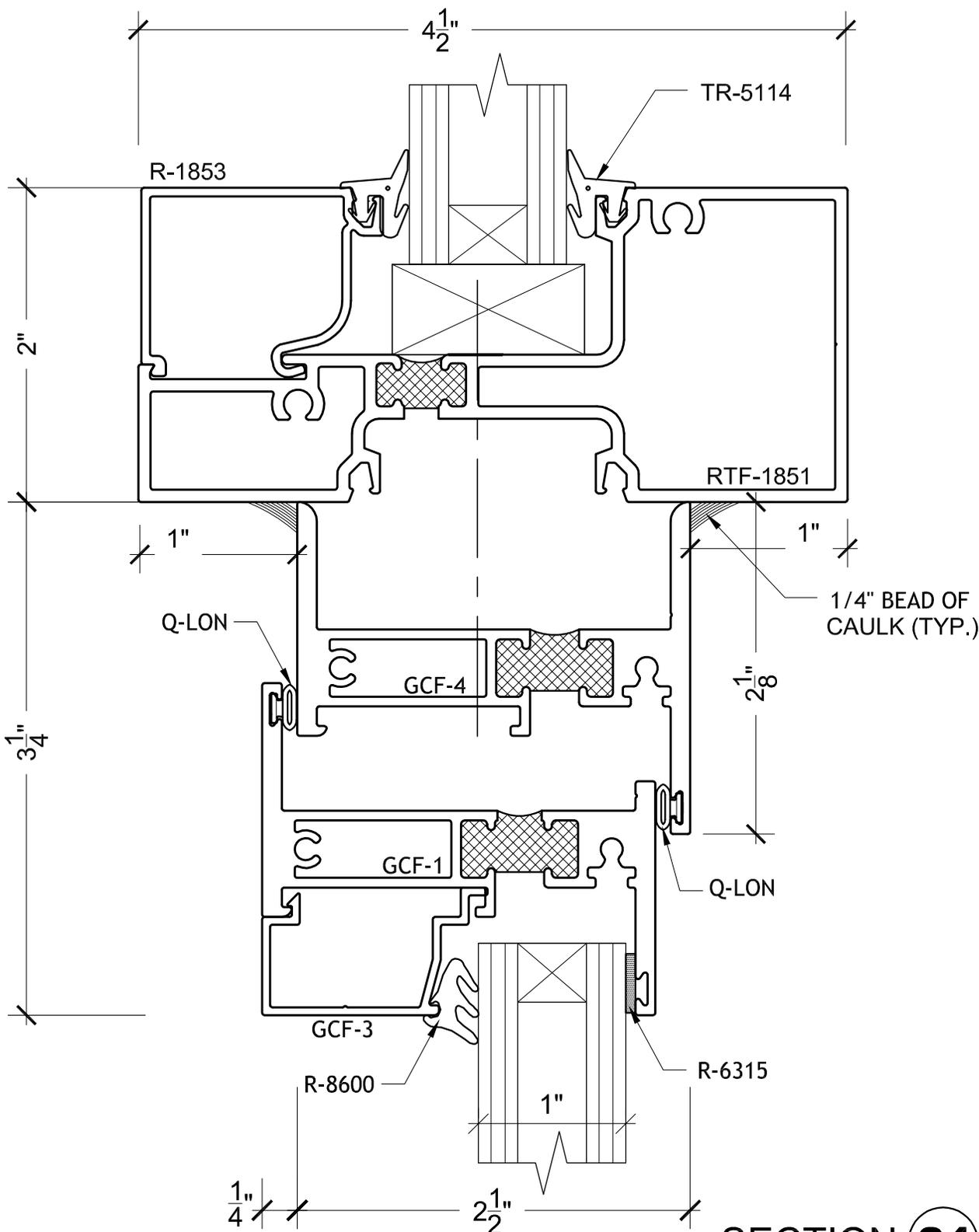
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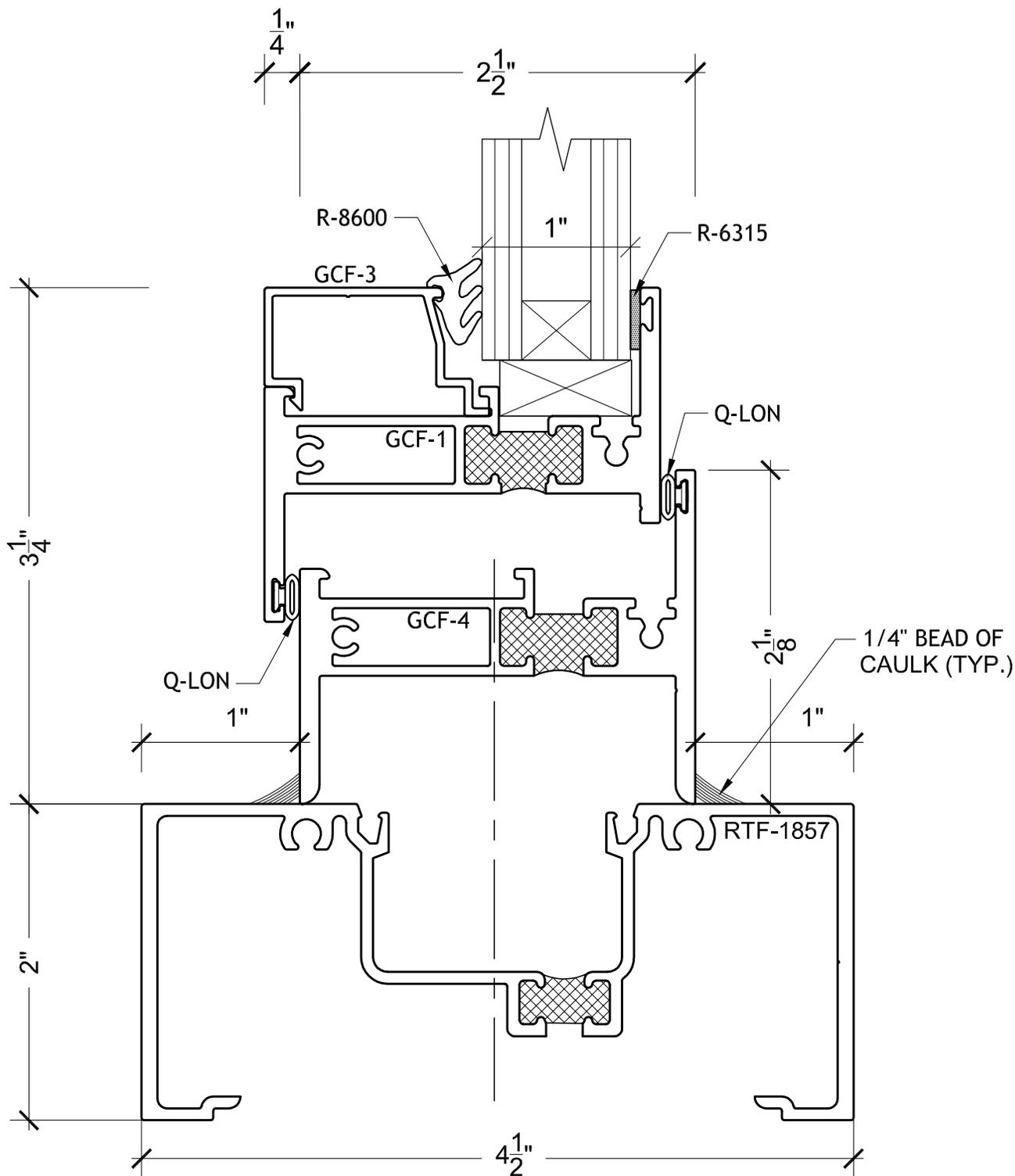
SECTION 24



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SECTION 25



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2 1/2" TB-2500 Installation Instructions

VINYL WEDGE GLAZING SYSTEM

INSTALLATION SEQUENCE

1- Window shall be inspected prior to installation of units into prepared openings on the job site, making sure no damages occurred in transportation, or in storage. All butt and miter joints must be sealed prior to glazing. Sash and framing members are to be checked prior to glazing to make sure openings are square, plum and secure to maintain face and edge clearance. All ventilators and operating sash must be properly adjusted and glazed in the closed position. Surfaces that the tape will contact should be wiped with a suitable solvent to remove any oil deposits, dirt, dust, loose mortar, or any other foreign matter.

2- Ramco recommends applying CRL Butyl architectural tape, uniformly recessed $\frac{1}{32}$ " below the sight line of the window.
(NOT SUPPLIED BY Ramco)

3- Be sure to daub butted tape joints with sealant to insure a continuous exterior seal.

4- Apply corner bead of compatible sealant at each corner. Ramco stocks sealant.

5- Place setting blocks per glass manufacturers requirements.

6- Set glass. Press firmly into tape.

7- Install removable stop.

8- Install wedge vinyl provided by Ramco.

9- Ramco recommends using D.S. with 1" IG'S

10- For maximum weather-tightness, a continuous 1/4" bead of sealant should be applied.

