SPECIFICATIONS: RTF 1850 SERIES 2" x 4 ½"

GENERAL DESCRIPTION

Work includes furnishing all necessary materials, labor and equipment for the installation of the aluminum framing system as specified herein.
NOT included: Structural support of the framing system.

PERFORMANCE REQUIREMENTS

Structural Performance-Deflection shall be tested in accordance with the ASTM E330. Maximum deflection of a member shall not exceed L/175 of its span, and when the load is removed there shall be no evidence of permanent deformation or damage when tested under a load of (SPECIFY) PSF. Thermal Performance when tested in accordance with AAMA 1503.1-88 and ASTM C 236-89 Condensation Resistance Factor (CRF) will be a minimum of 63, and Thermal Transmittance (U Value) will be 0.46 BTU/HR/FT^2/^{0} F or less.

PRODUCTS/MATERIALS

Extrusions shall be AA-6063-T5 alloy and temper (ASTM B221 alloy G.S.10A-T5) with a nominal wall thickness of .090". RTF 1850 Series is a thermally broken framing system with a pour and debridge process that combines a mechanical and adhesive bond between the urethane and the aluminum. Fasteners shall be aluminum; stainless steel or zinc plated steel in accordance with ASTM A 164. Glazing gaskets shall be EPDM elastomeric extrusions or vinyl with a fiberglass reinforcement cord to prevent stretching.

FABRICATION

The framing system shall provide for flush glazing on all sides with no projecting stops. Vertical and horizontal framing members shall have a nominal face dimension of 2" with an overall depth of 4 ½".

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.

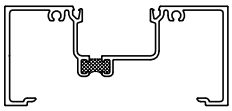
NOTE: "Always Service All Ways" is our trade mark and to keep up with today's innovations Ramco reserves the right to change specifications without written notice.

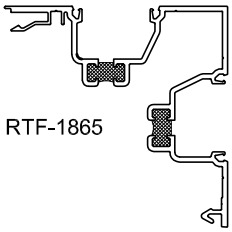
RELIABLE ARCHITECTURAL METALS COMPANY
9751 ERWIN STREET
DETROIT, MI 48213
PH: 800.445.0263 FAX: 313.924.8877

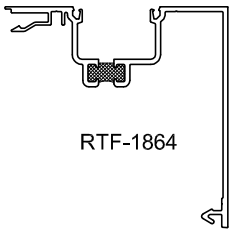
1850 SERIES

INDIVIDUAL EXTRUSIONS

1/4 SCALE


RTF-1857


RTF-1865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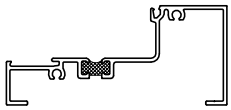
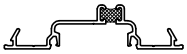

RTF-1850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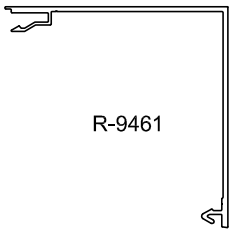
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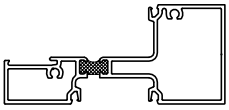

RTF-1851

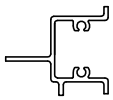

RTF-1800


R-1853

R-1876


TR-5114 VINYL


RTF-1848


RTF-1866

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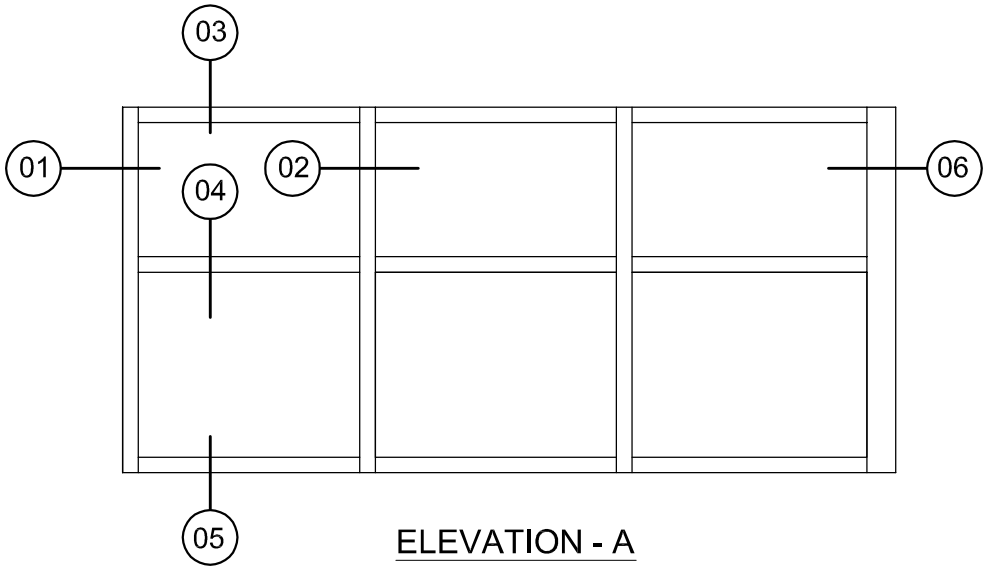
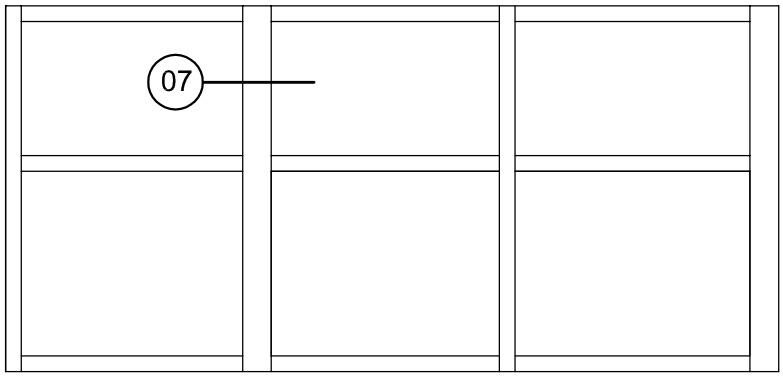
1850 SERIES

STOREFRONT TYPICAL ELEVATIONS

(1" GLAZING)



ELEVATION - A



ELEVATION - B

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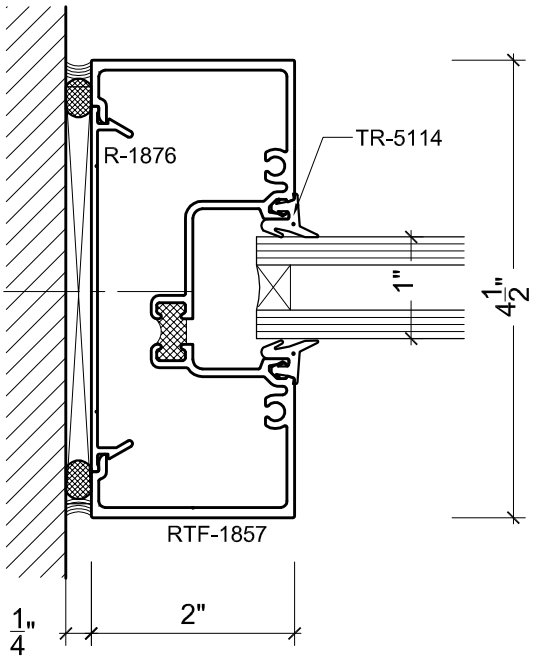
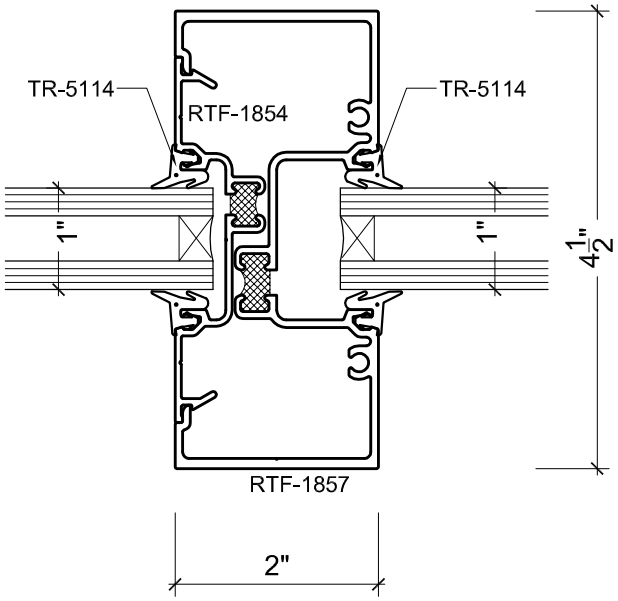
1850 SERIES

DETAILS

1/2 SCALE



SECTION 1



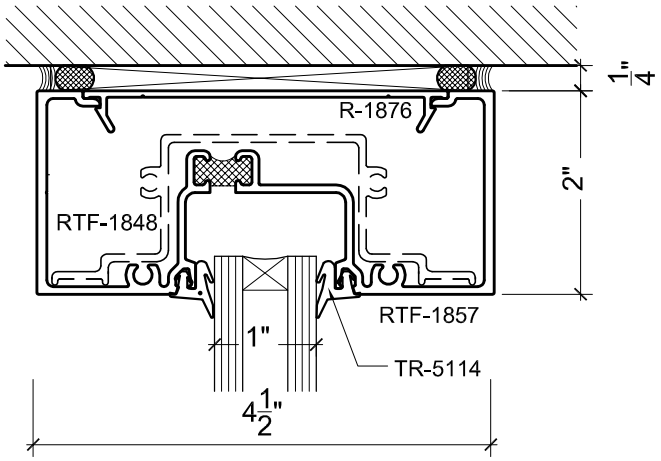
SECTION 2

Ramco
RELIABLE ARCHITECTURAL METALS COMPANY
9751 ERWIN STREET
DETROIT, MI 48213

1850 SERIES

DETAILS

1/2 SCALE



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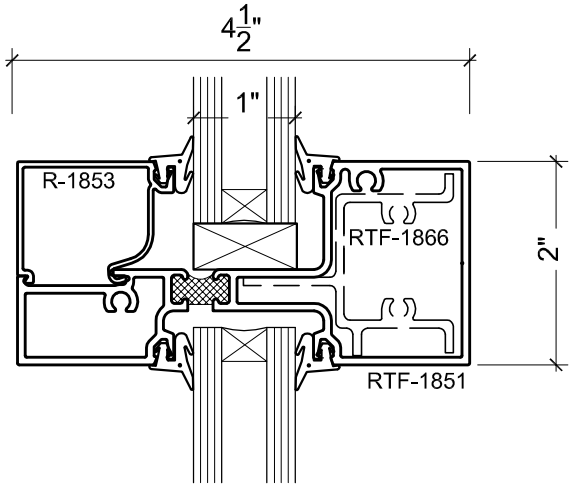

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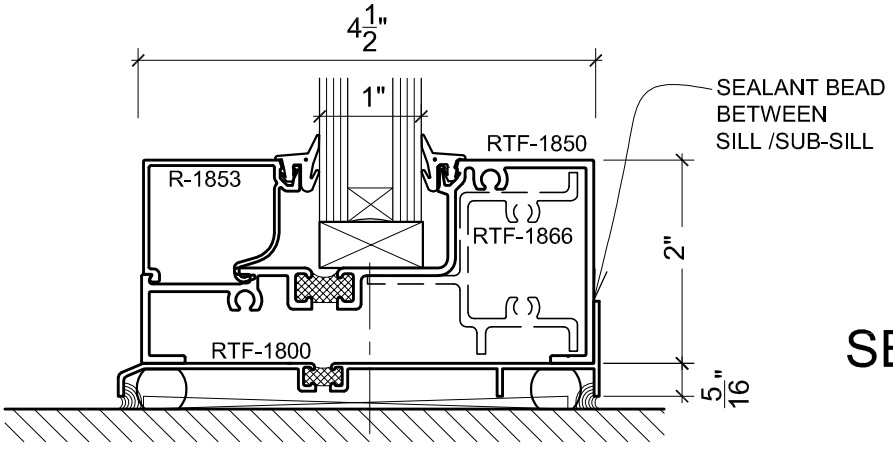

SECTION 5

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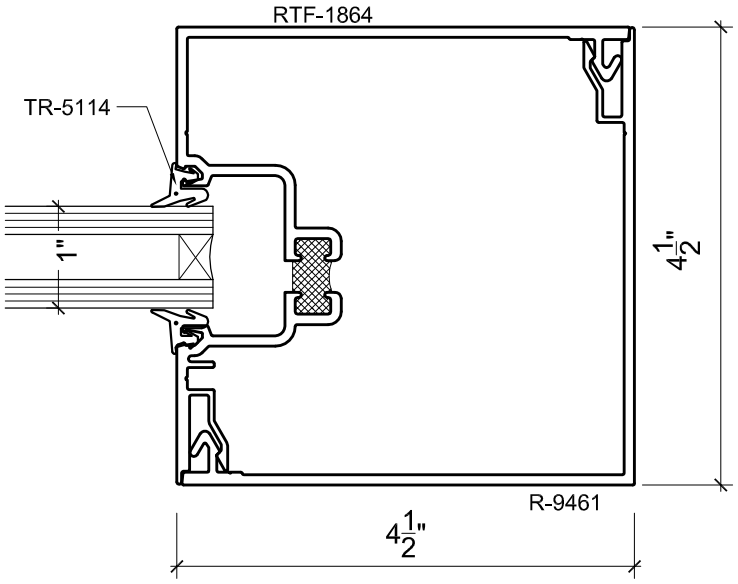
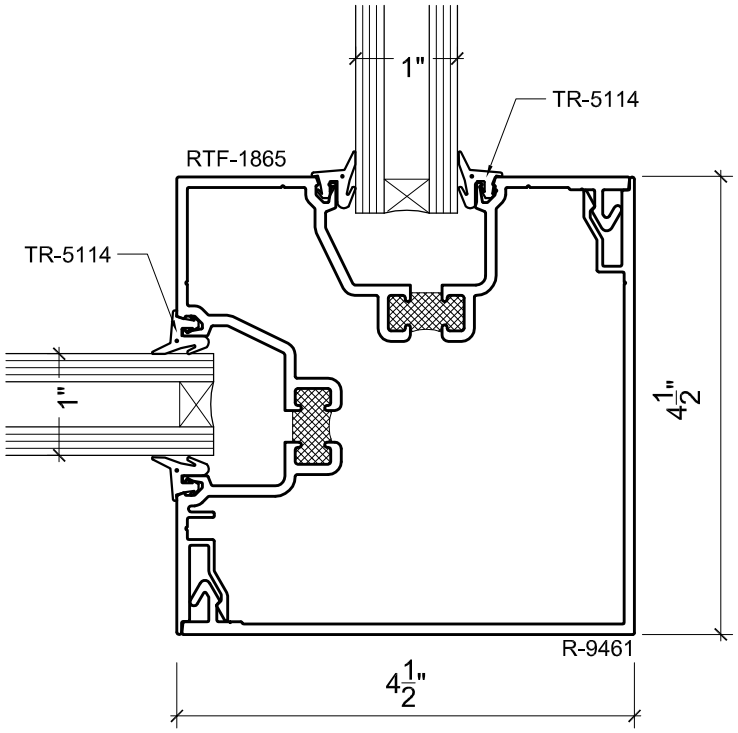
1850 SERIES

DETAILS

1/2 SCALE





SECTION 6

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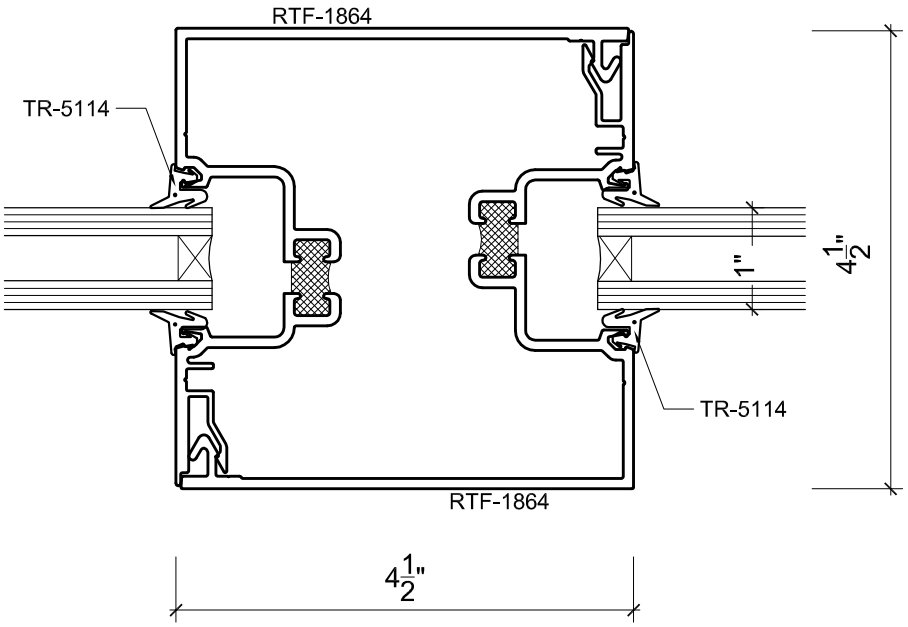
1850 SERIES

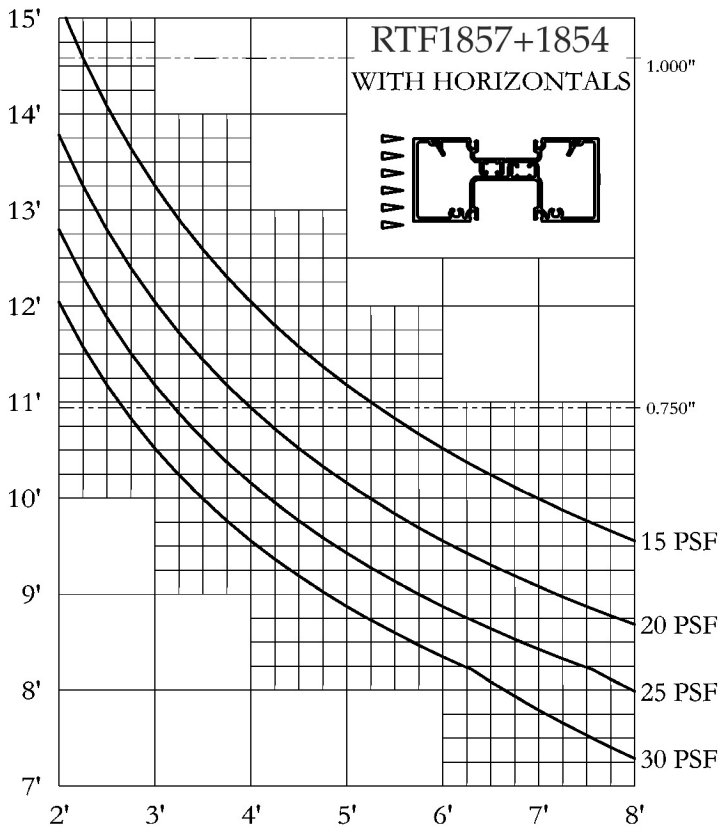
DETAILS

1/2 SCALE



SECTION 7

WINDLOAD CHARTS
2″ x 4 1/2″ FLUSH GLAZED
RTF-1850 SERIES



#1 THESE WINDLOAD CHARTS ARE BASED UPON THE LESSER OF DEFLECTION RATIO (L/175) OR STRESS (12667)

#2 THESE STRUCTURAL CURVES ARE ESTIMATES AND ARE PRESENTED TO THE BEST KNOWLEDGE OF THE WILLIAM L BONNELL CO. IT IS, HOWEVER, THE RESPONSIBILITY OF THE CUSTOMER TO BE SATISFIED THAT THE CURVES ARE CORRECT. THE WILLIAM L BONNELL CO. MAY NOT BE HELD RESPONSIBLE IN ANY WAY FOR THE FAILURE OF PERFORMANCE RESULTING FROM THE USE OF THESE CURVES.

Paint for all exterior trims, doors, windows, and sills.

EGG CREAM

P270-4

LRV 73 **R** 255 **G** 217 **B** 140

Yellow color family

Egg Cream — a smooth and inviting yellow — imparts a bright, refreshing vibe.