



RPC Rockford Process Control Countertop Supports Guide Specification

Rockford's architectural casework supports include countertop and work station support brackets and shelf and bookcase standards, brackets, and shelf pins. RPC's shelving solutions are used in a variety of applications including vanity, countertop, and desk supports, utility and storage room shelving, and other organizational storage system needs.

Aluminum Counter Support Brackets are available in several sizes and powder coat colors in addition to mill finish; special finishes are available on request. These brackets provide strong unobtrusive support for counter tops, work surfaces, and heavy-duty shelving. A staggered hole pattern with 1 inch spacing helps ensure stud engagement reducing the need for separate blocking or backing. These brackets provide up to 450 lb. load capacity for direct-to-wall installation.

Rockford Process Control manufactures, and is expert at, integrating metal related disciplines. We provide the construction industry with single parts, complex sub-assemblies, and sophisticated finished products. Our wide breadth of in-house capabilities includes: Tube Forming and Fabrication; Laser Cut Tubing; CNC Machining; Robotic Welding; Metal Stamping; and Powder Coating. When combined with Supply Chain Management, we also routinely incorporate items such as Forgings, Castings, and Screw Machine parts.

Rockford Process Control is a member of the North American Building Material Distribution Association (NBMDA) and the Woodwork Institute.

CONTACT

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SECTION 06 41 05 – ARCHITECTURAL CASEWORK SUPPORTS

PART 1 - GENERAL

1.1 SECTION INCLUDES

1. Wall-mounted countertop brackets.

1.2 RELATED SECTIONS

Specifier: Delete any paragraphs below that do not apply to this project.

1. Section 05 50 00 Metal Fabrications for supports formed from standard metal shapes.
2. Section 06 41 00 Architectural Wood Casework for cabinet hardware.
3. Section 12 30 00 Manufactured Casework for casework hardware.

1.3 REFERENCES:

A. American Architectural Manufacturers Association (AAMA):

1. AAMA 2603 - Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels.

B. ASTM International (ASTM):

1. ASTM B 209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.

1.4 ACTION SUBMITTALS

A. Product Data: Manufacturer's product data sheets for architectural casework supports.

B. Sustainable Design Submittals:

Retain "Product Data" Subparagraph below to require minimum recycled content for LEED 2009 MR Credit 2 - "Recycled Content."

1. Product Data: For recycled content, indicating postconsumer and preconsumer recycled content and cost.

C. Installation Drawings: Include installation instructions with fastener locations including recommended fastener sizes and types for support conditions, and requirements for concealed framing, blocking, or backing.

D. Samples for Selection: In manufacturer's standard sample size, illustrating range of colors and finishes available for Architect's selection.

E. Samples for Verification: Illustrating selected finish.

1.5 COORDINATION

A. Coordinate required locations for concealed framing, blocking, or backing with Installers. Verify placement prior to concealment.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Basis-of-Design Product: Subject to compliance with requirements of this Section, provide products of Rockford Process Control, Inc.; 2020 Seventh St., Rockford IL 61104; (800) 228-3779, (815) 966-2000; sales@rockfordprocess.com; www.rockfordprocess.com.

Specifier: Retain paragraphs below based upon Project requirements.

1. Submit comparable products for approval by Architect.
 - a. Submit requests for substitution in accordance with Instructions to Bidders and Division 01 General Requirements.

2.2 COUNTERTOP SUPPORTS

- A. Aluminum Countertop Brackets: L-shaped bracket configured for surface-mounting on finished wall, formed from T-shaped 6063-T4 aluminum extrusion, with staggered fastener holes spaced at 1 inch intervals for through-fastening to substrate.
1. Load Capacity: 450 lb.

Specifier: Retain required countertop bracket size below or retain fourth option to leave final bracket size selection by Contractor based upon countertop sizes shown on Drawings.

2. Size: [2 by 2 by 1/4-inch extrusion, 12 by 12 inches dimension, supporting up to 18 inch deep surface] [2 by 2 by 1/4 inch extrusion, 18 by 18 inches dimension, supporting up to 25 inch deep surface] [2 by 1/4 inch and 3 by 3/16 inch extruded tee, 18 by 24 inches in dimension, supporting up to 30 inch deep surface] [Manufacturer's recommended bracket size for countertop depth indicated on Drawings].

Specifier: Retain one of two Finish paragraphs below, and retain color option.

3. Finish: Powder coating, [Black] [White] [Chrome] [Dove Gray] [Beige] [color as selected by Architect from manufacturer's standard colors].
4. Finish: Mill.
5. Frame Wall Fasteners: Phillips drive pan head screws, 1/4 by 2 inch.
6. Countertop Fasteners: Type and size recommended by countertop fabricator sized according to thickness of countertop.

2.3 MATERIALS

Retain "Recycled Content of Steel Products" Paragraph below to specify recycled content of steel brackets if required.

- A. Recycled Content of Steel Products: Postconsumer recycled content plus one-half of preconsumer recycled content not less than 25 percent.
- B. Aluminum Plate and Sheet: ASTM B 209 (ASTM B 209M), Alloy 6061-T6.
- C. Fasteners: Stainless-steel, of type and size recommended by support manufacturer for application.

2.4 FABRICATION

- A. Metal Surfaces, General: Provide materials with smooth, flat surfaces. Provide materials without seam marks, roller marks, rolled trade names, or blemishes.
- B. Cut, drill, and punch metals cleanly and accurately. Remove burrs and ease edges and outside corners. Remove sharp or rough areas on exposed surfaces.
- C. Form exposed connections with seams welded on both sides.

2.5 FINISHES

Specifier: Retain finish paragraph based upon selected support materials above.

- A. Aluminum Powder-Coat Finish: AAMA 2603. Comply with coating manufacturer's written instructions for cleaning, conversion coating, and applying and baking finish.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify framing and blocking to accept support fasteners are properly located. Proceed with work once conditions meet support manufacturer's written recommendations.

3.2 INSTALLATION

- A. Set supports at required height, plumb and level, and securely fastened to wall using manufacturer's recommended fasteners.

3.3 CLEANING AND PROTECTION

- A. Repair or replace defective work, including damaged brackets.
- B. Protect installed components.

END OF SECTION 06 41 05