

MANUFACTURER:
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AMERICLAD AC-96DC Louver

**SECTION 08 90 00
ALUMINUM LOUVER SYSTEM
6" STATIONARY DRAINABLE LOUVER WITH CHANNEL
FRAME**

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. The drawings and provisions of the General Conditions, and the sections included under Division 1 specification sections, apply to this section

1.2 SUMMARY

- A. This section includes aluminum louvers

1.3 PERFORMANCE REQUIREMENTS

- A. Performance Ratings: Product must be licensed to bear the AMCA Certified Ratings Seal for water and air performance
 - a. Based on testing 48 inches by 48 inches (1,219 mm x 1,219 mm) size unit in accordance with AMCA 500
- B. Free area: 9.17 square feet, 57%
- C. Water Penetration: Maximum 0.01 ounces per square foot of free area at an air flow of 916 feet per minute free area velocity when tested

1.4 SUBMITTALS

- A. Product Data: Manufacturer's product literature
- B. Finish Samples: submit color samples for final approval
- C. Shop Drawings: submit shop drawings showing plans, sections and details

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum of five years experience in manufacturing of architectural products
- B. Installer Qualifications: Acceptable to manufacturer
- C. Production Qualifications: Louvers shall be licensed to bear AMCA Certified Ratings Seal Applies to air performance and water penetration ratings

1.6 DELIVERY, STORAGE AND HANDLING

- A. Delivery: deliver louvers in manufacturer's crates packed for long haul transit
- B. Storage: store materials in a dry and safe area
- C. Handling: handle materials to avoid any damage to materials and finishes

1.7 WARRANTY

- A. The contractor must warrant the materials to be free of defects in accordance with the general conditions. Finish warranty shall be extended by paint manufacturer's standard warranty
- B. Manufacturer shall provide a standard limited warranty for louver system for a period of one year from date of installation and no more than eighteen months after shipment from manufacturing plant

PART 2 – PRODUCTS**2.1 MANUFACTURER**

- A. Quality Metalcrafts, LLC/AMERICLAD, 21925 Industrial Boulevard, Rogers, Minnesota 55374, Telephone: (866) 260-4047, www.americlad.com
- A. Approved equal submitted for approval 10 days prior to bid

2.2 FABRICATION

- A. Model: AC-96DC Aluminum Louver System, 6" stationary, drainable louver with channel frame
- B. Performance Ratings: AMCA Licensed
- C. Frame:
 - a. Depth: 6" (152.4 mm)
 - b. Material: Extruded aluminum 6063-T5
 - c. Wall Thickness: 0.125 inch (3.125 mm), nominal
 - d. Downspouts and caulking surfaces
- D. Blades:
 - a. Style: Stationary Drainable

- b. Material: Extruded aluminum 6063-T5
- c. Wall Thickness: 0.125 inch (3.125 mm), nominal
- d. Angle: 37.5 degrees
- e. Centers 5.938 inches (150.83 mm), nominal

2.3 ACCESSORIES

- A. Aluminum Sill: Provide sill flashing manufactured from same material and finish as louvers where indicated on drawings
- B. Screens: provide framed removable screens for exterior louvers
 - a. Bird Screens
 - b. Insect Screens
 - c. Blank off Panels
 - i. Insulated
 - ii. Non-insulated

2.4 FINISHES

- A. Paint:
 - 1. Coating shall be a Spray Applied Fluorocarbon Resin Utilizing a 70% Kynar 500/Hylar 5000 resin
 - 2. Color as selected by owner from paint manufacturer's standard colors or Custom color as specified
 - 3. Material to be painted in accordance with either AAMA specification 2605 or 2604
- B. Anodized:
 - 1. Class I, Clear Anodic Finish: AA-M12C22A41, mechanical finish, nonspecular as fabricated. Coating to have an anodic coating of 0.7 mil (0.018 mm) thickness
 - 2. Class I, Color Anodic Finish: AA-M12C22A42/A44, mechanical finish, nonspecular as fabricated. Color to be determined by Owner. Coating to have an anodic coating of 0.7 mil (0.018) thickness

PART 3 – EXECUTION

3.1 PREPARATION

- A. Coordinate drawings, diagrams, and instructions for installation

3.2 INSTALLATION

- A. Install louvers at locations as indicated on the drawings and in accordance with the manufacturer's instructions
- B. Install louvers plumb, level, in plane of wall, and in alignment with adjacent work



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C. Install joint sealants as specified in section 07 90 00

3.3 CLEANING AND PROTECTION

- A. Clean exposed surfaces after installation per manufacturer's recommendation
- B. Touch up minor abrasions in finish with touch up paint supplied by finish applicator

END OF SECTION