

MANUFACTURER:  
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**AMERICLAD  
AC-94DF  
Louver**

**SECTION 08 90 00  
ALUMINUM LOUVER SYSTEM  
4" STATIONARY DRAINABLE LOUVER WITH FLANGE  
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: 8.37 square feet, 54%
- C. Water Penetration: Maximum 0.01 ounces per square foot of free area at an air flow of 818 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](http://www.americlad.com)
- A. Approved equal submitted for approval 10 days prior to bid

**2.2 FABRICATION**

- A. Model: AC-94DF Aluminum Louver System, 4" fixed, non-drainable louver with flange frame
- B. Performance Ratings: AMCA Licensed
- C. Frame:
  - a. Depth: 4" (101.6 mm)
  - b. Material: Extruded aluminum 6063-T5
  - c. Wall Thickness: 0.081 inch (2.06 mm), nominal
  - d. Downspouts and caulking surfaces
- D. Blades:
  - a. Style: Stationary Drainable

- b. Material: Extruded aluminum 6063-T5
- c. Wall Thickness: 0.081 inch (2.06 mm), nominal
- d. Angle: 37.5 degrees
- e. Centers 5.062 inches (128.58 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**