

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

**SECTION 08 90 00
ALUMINUM LOUVER SYSTEM
4" STATIONARY NON-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: 8.71 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
- A. Approved equal submitted for approval 10 days prior to bid

2.2 FABRICATION

- A. Model: AC-94SF Aluminum Louver System, 4" stationary 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 (2.1 mm), nominal
 - d. Downspouts and caulking surfaces

D. Blades:

- a. Style: Stationary non-drainable
- b. Material: Extruded aluminum 6063-T5
- c. Wall Thickness: 0.081 inch (2.1 mm), nominal
- d. Angle: 37.5 degrees
- e. Centers 5.0625 inches (129 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
- 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