

MANUFACTURER:
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**AMERICLAD
AC-820
Equipment
Screen**

SECTION 10 82 00 ALUMINUM MECHANICAL EQUIPMENT SCREEN

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 mechanical equipment screen

1.3 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

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum of five years experience in manufacturing of architectural products
- B. Installer Qualifications: Acceptable to manufacturer
- C. Structural performance: provide exterior sun control device assemblies capable of withstanding the effects of load and stresses from wind loads, dead loads, snow loads and normal and expected thermal movement without evidence of permanent defects of the assemblies. System design for a mechanically fastened assembly to substructure.
 - a. Wind Load as required by applicable building code
 - b. Dead Load as required by applicable building code

- c. Snow Load as required by applicable building code
- d. Snow Drift Load as required by applicable building code
- D. Design equipment screen device to eliminate vibration harmonics; wind whistles; and noises cause by thermal movement.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Delivery: deliver equipment screen 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

1.6 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. Americlad, LLC, 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-820 Aluminum mechanical equipment screen "Louver Blade System" 6" inverted fixed blade, non-drainable with channel frame
- B. Frame:
 - a. Depth: 6" (152.4 mm)
 - b. Material: Extruded aluminum 6063-T5
 - c. Wall Thickness: 0.081 inch (2.06 mm), nominal
- C. Blades:
 - a. Style: Stationary Non-drainable
 - b. Material: Extruded aluminum 6063-T5
 - c. Wall Thickness: 0.081 inch (2.06 mm), nominal
 - d. Angle: 37.5 degrees
 - e. Centers 4 inches (101.6 mm), nominal

2.3 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 colors 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, non-specular 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, non-specular 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 equipment screen at locations as indicated on the drawings and in accordance with the manufacturer's instructions
- B. Install equipment screen 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