

SECTION 233700

AIR OUTLETS AND INLETS

SPECIFIER NOTES: BAUCO Air return grilles can be integrated into any gypsum board surface. This includes the face of access panels with gypsum board inlay, such as BAUCO Plus II and BAUCO XL models. As the grille core is fully removable, BAUCO Air can function as an access panel on its own, if required.

PART 1 GENERAL

1.1 SUMMARY

- A. Work Results:
 - 1. Installation of air return grilles.
- B. Principal Products:
 - 1. Ceiling grilles.
 - 2. Wall grilles.
- C. Related Requirements:
 - 1. Section 054000 "Cold-Formed Metal Framing" for metal framing of interior partitions and ceilings.
 - 2. Section 061000 "Rough Carpentry" for wood framing of interior partitions and ceilings.
 - 3. Section 061053 "Miscellaneous Rough Carpentry:" for wood blocking in interior framing.
 - 4. Section 083100 "Access Doors and Panels."
 - 5. Section 092116 "Gypsum Board Assemblies" for gypsum board wall finishes.
 - 6. Section 092900 "Gypsum Board" for gypsum board wall finishes.

1.2 ADMINISTRATIVE REQUIREMENTS

- A. Coordination Procedures:
 - 1. Coordinate installation of air inlets and outlets with adjacent wall installation and finishes.
- B. Pre-Installation Meeting Attendees and Procedures:
 - 1. Conduct meeting two weeks, minimum, before starting Work of this Section.
 - 2. Additional Agenda Items:
 - a. Agenda items:

1.3 ACTION SUBMITTALS

- A. Product Data: Schedule showing outlets and inlet type, size, finish, location, mounting type, application, and noise level at indicated air flow rate.

1.4 INFORMATIONAL SUBMITTALS

- A. Manufacturer Certificate: Certify products comply with indicated requirements.
- B. Test Reports: Performance rating of air outlet and inlet.

1.5 SUSTAINABILITY SUBMITTALS

- A. Building Product Disclosure and Optimization: Material ingredients documentation.
 - 1. Aluminum: Minimum 25 percent post-industrial recycled content.
 - 2. Galvanized Steel: Minimum 50 percent post-industrial recycled content.

1.6 CLOSEOUT SUBMITTALS

- A. Warranty Documentation: For air outlets and inlets.

1.7 MAINTENANCE MATERIAL SUBMITTALS

- A. Extra Stock Materials:
 - 1. Air Outlets and Inlets: 5 percent of installed materials, but not less than 2 of each size and type.

1.8 WARRANTY

- A. Manufacturer Warranty:
 - 1. Air Outlets and Inlets: Warrant against product failure.
 - a. Warranty Period: One year.

PART 2 PRODUCTS

2.1 REGISTERS AND GRILLES

- A. Return Grille: Streamlined blades, 1/2 inch minimum depth, 5/8 inch maximum spacing, blades set at 45 degrees, vertical or horizontal face.
 - 1. Manufacturers and Products:
 - a. BAUCO Access Panel Solutions, Inc. BAUCO Air.
 - 2. Substitutions: Not permitted.
 - 3. Locations: Wall or ceiling applications. Installs into any drywall surface and can be integrated into BAUCO drywall access panels.

SPECIFIER NOTES: Custom sizes are available on short lead times, with the following restrictions:

BAUCO Air: 6" minimum (height or width); 48" maximum (height or width)

4. Sizes: [12 inches by 12 inches] [16 inches by 16 inches] [18 inches by 18 inches]. [24 inches by 24 inches].
 - a. Custom Sizes: Up to 48 inches by 48 inches, Architect selected.
5. Free Area: 48 percent.
6. Frame: Rear mounted; directly attached to BAUCO access panels or any gypsum board.
7. Core: [Fixed] [Removable by release of touch latches].
8. Fabrication: Aluminum extrusions, factory white powder coat, anodized or mill finish.
 - a. Custom color: Architect selected. Custom color with quantity

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify grille locations.
- B. Verify ceiling and wall systems are ready for installation.

3.2 INSTALLATION

- A. After installation of grille frame, remove grille prior to painting. Reinstall grille after paint has dried.

END OF SECTION