

SECTION 095110

ACOUSTIC FELT CEILING BAFFLES

PART 1 - GENERAL

1.1 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section including the following.
 - 1. Acoustic felt ceiling baffles.
 - 2. Lighted acoustic felt ceiling baffles.
 - 3. Acoustic felt ceiling grid tiles.
 - 4. Acoustic felt wall and ceiling panels.
- B. Related Work: The following items are not included in this Section and are specified under the designated Sections:
 - 1. Section 098400 – Acoustic Room Components - Clouds.
 - 2. Section 102200 – Acoustic Room Dividers.

1.2 SUBMITTALS

- A. Product Data: Submit for each product indicating materials, dimensions, profiles, textures and colors. Include installation instructions.
- B. Shop Drawings: Submit shop drawings indicating layout, details of construction and relationship with adjacent construction.
- C. Verification Samples: Submit representative sample of product specified.

1.3 QUALITY ASSURANCE

- A. Manufacturer: Minimum of 2 years manufacturing similar products.
- B. Installer: Minimum of 2 years installing similar products.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- B. Storage and Handling: Comply with manufacturer's recommendations for storage and handling. Protect from weather damage.

1.5 WARRANTY

- A. Warranty: Provide manufacturer's standard limited warranty against defects in manufacturing.

PART 2 - PRODUCTS

2.1 ACOUSTIC FELT CEILING BAFFLES

- A. Basis-of-Design: Air[]Space Acoustics, 423.287.6551, www.airspaceacoustics.com
- B. Style: AILERON [CLASSIC] Felt Ceiling Baffles by Air[]Space Acoustics.
1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 2. Baffle Height: [11.5 inches].
 3. Length: [Style A: 95 inches] [Style B: 47 inches].
 4. Spacing: [6 inches] [As indicated on the Drawings].
 5. Felt Color: As selected from manufacturer's standard colors.
 6. Absorption: 1.25 NRC.
 7. Fire Rating: ASTM E84 Class A.
 8. VOC: ASTM D5116 compliant.
 9. Mounting Hardware: [Magnets] [Adjustable Clips] [Cable Grippers] as recommended by manufacturer.
- C. Style: WIND [CLASSIC] Felt Ceiling Baffles by Air[]Space Acoustics.
1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 2. Baffle Height: [11 inches] [6 inches].
 3. Length: [Style E: 95 inches] [Style F: 47.5 inches].
 4. Spacing: [6 inches] [As indicated on the Drawings].
 5. Felt Color: As selected from manufacturer's standard colors.
 6. Absorption: 1.25 NRC.
 7. Fire Rating: ASTM E84 Class A.
 8. VOC: ASTM D5116 compliant.
 9. Mounting Hardware: [Magnets] [Adjustable Clips] [Cable Grippers] as recommended by manufacturer.
- D. Style: CROSSWIND [CLASSIC] Felt Ceiling Baffles by Air[]Space Acoustics.
1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 2. Material Thickness: [9mm] [12mm] [24mm].
 3. Baffle Height: [11 inches].
 4. Length: [Style C: 95 inches] [Style D: 47 inches].
 5. Spacing: [6 inches] [As indicated on the Drawings].
 6. Felt Color: As selected from manufacturer's standard colors.
 7. Absorption: 1.25 NRC.
 8. Fire Rating: ASTM E84 Class A.
 9. VOC: ASTM D5116 compliant.
 10. Mounting Hardware: [Magnets] [Adjustable Clips] [Cable Grippers] as recommended by manufacturer.
- E. Style: AERO [CLASSIC] Felt Ceiling Baffles by Air[]Space Acoustics.
1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 2. Material Thickness: [9mm] [12mm] [24mm].
 3. Baffle Height: [22.75 inches].
 4. Length: [Style G: 95 inches] [Style H: 47.5 inches].
 5. Spacing: [6 inches] [As indicated on the Drawings].
 6. Felt Color: As selected from manufacturer's standard colors.
 7. Absorption: 1.25 NRC.
 8. Fire Rating: ASTM E84 Class A.
 9. VOC: ASTM D5116 compliant.

10. Mounting Hardware: [Magnets] [Adjustable Clips] [Cable Grippers] as recommended by manufacturer.

F. Style: MODULAR GRID Felt Ceiling Baffles by Air[]Space Acoustics.

1. Material: PET felt, 100% polyester fiber, 60% recycled content.
2. Material Thickness: [9mm] [12mm] [24mm].
3. Baffle Height: [9 inches to 6 inches to 3 inches].
4. Length: [24 inches].
5. Spacing: [24 inches] [As indicated on the Drawing].
6. Felt Color: As selected from manufacturer's standard colors.
7. Absorption: 1.0 NRC.
8. Fire Rating: ASTM E84 Class A.
9. VOC: ASTM D5116 compliant.
10. Mounting Hardware: Magnets as recommended by manufacturer.

G. Style: FUSELAGE Felt Box Beam Ceiling Baffles by Air[]Space Acoustics.

1. Material: PET felt, 100% polyester fiber, 60% recycled content.
2. Material Thickness: [9mm] [12mm] [24mm].
3. Baffle Height: [7-3/4 inches] [11-3/4 inches].
4. Length: [24 inches] [48 inches] [72 inches] [96 inches].
5. Spacing: [6 inches] [As indicated on the Drawings].
6. Felt Color: As selected from manufacturer's standard colors.
7. Absorption: 1.25 NRC.
8. Fire Rating: ASTM E84 Class A.
9. VOC: ASTM D5116 compliant.
10. Mounting Hardware: [Magnets] [Adjustable Clips] [Cable Grippers] as recommended by manufacturer.

2.2 LIGHTED ACOUSTIC FELT CEILING BAFFLES

A. Basis-of-Design: Air[]Space Acoustics, 423.287.6551, www.airspaceacoustics.com

B. Style: FUSELAGE LED Felt Ceiling Baffles by Air[]Space Acoustics.

1. Material: PET felt, 100% polyester fiber, 60% recycled content.
2. Material Thickness: [9mm] [12mm] [24mm].
3. Baffle Height: [7-3/4 inches] [11-1/2 inches].
4. Length: [24 inches] [48 inches] [72 inches] [96 inches].
5. Spacing: [6 inches] [As indicated on the Drawings].
6. Lighting: [Direct] [Direct and indirect] LED.
7. Felt Color: As selected from manufacturer's standard colors.
8. Absorption: 1.25 NRC.
9. Fire Rating: ASTM E84 Class A.
10. VOC: ASTM D5116 compliant.
11. Mounting Hardware: [Magnets] [Adjustable Clips] [Cable Grippers] as recommended by manufacturer.

2.3 ACOUSTIC FELT CEILING GRID TILES

- A. Basis-of-Design: Air[]Space Acoustics, 423.287.6551, www.airspaceacoustics.com
- B. Style: TACTICAL Felt Ceiling Grid Tiles by Air[]Space Acoustics.
 - 1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 - 2. Material Thickness: [9mm] [12mm] [24mm].
 - 3. Tile Size: 23-3/4 inches by 23-3/4 inches.
 - 4. Felt Color: As selected from manufacturer's standard colors.
 - 5. Absorption: 0.85 to 1.25 NRC.
 - 6. Fire Rating: ASTM E84 Class A.
 - 7. VOC: ASTM D5116 compliant.
 - 8. Grid: 15/16 inch ceiling T-grid.
 - 9. Mounting: [Magnets] [Drop in tiles].

2.4 ACOUSTIC FELT WALL AND CEILING PANELS

- A. Basis-of-Design: Air[]Space Acoustics, 423.287.6551, www.airspaceacoustics.com
- B. Style: LAYOVER Felt Wall Panels by Air[]Space Acoustics.
 - 1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 - 2. Material Thickness: [9mm] [12mm] [24mm].
 - 3. Vertical Configuration: Vertical Wall Panel [48 x 96 inches] [48 inches x 108 inches]
 - 4. Horizontal Configuration: Horizontal Wall Panel [48 x 96 inches]
 - 5. Thickness: [3/4 inch with furring] [1 inch with furring] [1-1/2 to 2 inch with furring].
 - 6. Felt Color: As selected from manufacturer's standard colors.
 - 7. Absorption: 0.85 to 1.25 NRC.
 - 8. Furring Specs: Perimeter of support (same color) and 12 inch spacing.
 - 9. Furring Material Sourcing: Upcycled PET Felt Material to be Provided by manufacturer.
 - 10. Fire Rating: ASTM E84 Class A.
 - 11. VOC: ASTM D5116 compliant.
 - 12. Mounting: [Adhesive as recommended by manufacturer] [Magnets].
- C. Style: FLY-BY Felt Ceiling Panels by Air[]Space Acoustics.
 - 1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 - 2. Material Thickness: [9mm] [12mm] [24mm].
 - 3. Configuration: Ceiling Panel [24 x 48 inches] [48 x 96 inches] [48 inches x 108 inches]
 - 4. Thickness: [3/4 inch with furring] [1 inch with furring] [1-1/2 to 2 inch with furring].
 - 5. Felt Color: As selected from manufacturer's standard colors.
 - 6. Absorption: 0.85 to 1.25 NRC.
 - 7. Furring Specs: Perimeter of support (same color) and 12 inch spacing.
 - 8. Furring Material Sourcing: Upcycled PET Felt Material to be Provided by manufacturer.
 - 9. Fire Rating: ASTM E84 Class A.
 - 10. VOC: ASTM D5116 compliant.
 - 11. Mounting: [Adhesive as recommended by manufacturer] [Magnets].

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine existing conditions to determine that they are suitable for installation. Proceed with installation only when unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install units in accordance with manufacturer's instructions, approved submittals, and in proper relationship with adjacent construction.

3.3 ADJUSTING AND CLEANING

- A. Adjust units for proper position and uniform appearance.
- B. Clean exposed and semi-exposed surfaces using materials acceptable to manufacturer.

END OF SECTION