

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 Wall Panels.
 - 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: MPS Acoustics, Toll Free 866-557-8438, www.mpsacoustics.com.
- B. Style: TRUSS Felt Ceiling Baffles by MPS Acoustics.
 - 1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 - 2. Baffle Height: [Short 5 inches] [Tall 7 inches.]
 - 3. Length and Spacing: [6 inches] [As indicated on the Drawings].
 - 4. Felt Color: As selected from manufacturer's standard colors.
 - 5. Absorption: 1.4 NRC.
 - 6. Fire Rating: ASTM E84 Class A.
 - 7. VOC: ASTM D5116 compliant.
 - 8. Mounting Hardware: [Magnets] [Twist Clips] [Cable Grippers] [Zero-Lift Clips] as recommended by manufacturer.
- C. Style: EDGE Felt Ceiling Baffles by MPS Acoustics.
 - 1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 - 2. Baffle Height: [Short 5 inches] [Tall 7 inches].
 - 3. Length: As indicated on the Drawings.
 - 4. Spacing: [3 inches] [As indicated on the Drawings].
 - 5. Profile: [Classic] [Line] [Sandwich] [Angle].
 - 6. Felt Color: As selected from manufacturer's standard colors.
 - 7. Absorption: 1.4 NRC.
 - 8. Fire Rating: ASTM E84 Class A.
 - 9. VOC: ASTM D5116 compliant.
 - 10. Mounting Hardware: [Magnets] [Twist Clips] [Cable Grippers] as recommended by manufacturer.
- D. Style: STRAIGHT Felt Ceiling Baffles by MPS Acoustics.
 - 1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 - 2. Baffle Height: [7-3/4 inches] [11-3/4 inches].
 - 3. Length: As indicated on the Drawings.
 - 4. Spacing: [6 inches] [12 inches] [As indicated on the Drawings].
 - 5. Ridges: [None] [Vertical] [Horizontal] [30 degrees] [45 degrees].
 - 6. Felt Color: As selected from manufacturer's standard colors.
 - 7. Absorption: 0.75 to 1.15 NRC.
 - 8. Fire Rating: ASTM E84 Class A.
 - 9. VOC: ASTM D5116 compliant.
 - 10. Mounting Hardware: [Magnets] [Twist Clips] [Cable Grippers] as recommended by manufacturer.
- E. Style: FRAME Felt Ceiling Baffles by MPS Acoustics.
 - 1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 - 2. Baffle Height: [7 inches] [Variable, as indicated on Drawings].
 - 3. Length: As indicated on the Drawings.
 - 4. Grid Spacing: As indicated on the Drawings.
 - 5. Included Configuration Options: [Overhang] [Curved Corners] [Triangles] [Lids].
 - 6. Felt Color: As selected from manufacturer's standard colors.
 - 7. Absorption: 1.4 NRC.
 - 8. Fire Rating: ASTM E84 Class A.

9. VOC: ASTM D5116 compliant.
 10. Mounting Hardware: [Twist Clips] [Cable Grippers] as recommended by manufacturer.
- F. Style: JOIST Felt Ceiling Baffles by MPS Acoustics.
1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 2. Baffle Height: [7-3/4 inches] [11-3/4 inches].
 3. Width: 2-7/8 inches.
 4. Length: As indicated on the Drawings.
 5. Spacing: [6 inches] [As indicated on the Drawings].
 6. Ridges: [None] [Vertical] [Horizontal] [30 degrees] [45 degrees].
 7. Felt Color: As selected from manufacturer's standard colors.
 8. Absorption: 1.4 NRC.
 9. Fire Rating: ASTM E84 Class A.
 10. VOC: ASTM D5116 compliant.
 11. Mounting Hardware: [Magnets] [Twist Clips] [Cable Grippers] as recommended by manufacturer.
- G. Style: LONDE Felt Ceiling Baffles by MPS Acoustics.
1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 2. Baffle Height: [7-3/4 inches] [11-3/4 inches].
 3. Thickness: 3/8 inch.
 4. Length: As indicated on the Drawings.
 5. Spacing: [6 inches] [12 inches] [As indicated on the Drawings].
 6. Ridges: [None] [Vertical] [Horizontal] [30 degrees] [45 degrees].
 7. Felt Color: As selected from manufacturer's standard colors.
 8. Absorption: 0.75 to 1.15 NRC.
 9. Fire Rating: ASTM E84 Class A.
 10. VOC: ASTM D5116 compliant.
 11. Mounting Hardware: [Magnets] [Twist Clips] [Cable Grippers] as recommended by manufacturer.
- H. Style: NOTCH Felt Ceiling Baffles by MPS Acoustics.
1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 2. Baffle Height: [7-3/4 inches] [11-3/4 inches].
 3. Thickness: 3/8 inch.
 4. Length: As indicated on the Drawings.
 5. Spacing: [6 inches] [12 inches] [As indicated on the Drawings].
 6. Ridges: [None] [Vertical] [Horizontal] [30 degrees] [45 degrees].
 7. Felt Color: As selected from manufacturer's standard colors.
 8. Absorption: 0.75 to 1.15 NRC.
 9. Fire Rating: ASTM E84 Class A.
 10. VOC: ASTM D5116 compliant.
 11. Mounting Hardware: [Magnets] [Twist Clips] [Cable Grippers] as recommended by manufacturer.
- I. Style: SLIM Felt Ceiling Baffles by MPS Acoustics.
1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 2. Profile: 7 inches high by 2-1/8 inches wide.
 3. Length: As indicated on the Drawings.
 4. Spacing: [6 inches] [As indicated on the Drawings].
 5. Ridges: [None] [Vertical] [Horizontal] [30 degrees] [45 degrees].
 6. Felt Color: As selected from manufacturer's standard colors.

7. Absorption: 1.4 NRC.
 8. Fire Rating: ASTM E84 Class A.
 9. VOC: ASTM D5116 compliant.
 10. Mounting Hardware: [Magnets] [Twist Clips] [Cable Grippers] as recommended by manufacturer.
- J. Style: CRETE Felt Ceiling Baffles by MPS Acoustics.
1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 2. Baffle Height: [7-3/4 inches] [11-3/4 inches].
 3. Thickness: 3/8 inch.
 4. Length: As indicated on the Drawings.
 5. Spacing: [6 inches] [12 inches] [As indicated on the Drawings].
 6. Ridges: [None] [Vertical] [Horizontal] [30 degrees] [45 degrees].
 7. Felt Color: As selected from manufacturer's standard colors.
 8. Absorption: 0.75 to 1.15 NRC.
 9. Fire Rating: ASTM E84 Class A.
 10. VOC: ASTM D5116 compliant.
 11. Mounting Hardware: [Magnets] [Twist Clips] [Cable Grippers] as recommended by manufacturer.
- K. Style: FUSE Felt Ceiling Baffles by MPS Acoustics.
1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 2. Profile: 7 inches high by 3 inches wide.
 3. Length: As indicated on the Drawings.
 4. Spacing: [6 inches] [As indicated on the Drawings].
 5. Ridges: [None] [Vertical] [Horizontal] [30 degrees] [45 degrees].
 6. Felt Color: As selected from manufacturer's standard colors.
 7. Absorption: 1.4 NRC.
 8. Fire Rating: ASTM E84 Class A.
 9. VOC: ASTM D5116 compliant.
 10. Mounting Hardware: [Magnets] [Twist Clips] [Cable Grippers] as recommended by manufacturer.
- L. Style: SKYLINE Felt Ceiling Baffles by MPS Acoustics.
1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 2. Baffle Height: [7-3/4 inches] [11-3/4 inches].
 3. Thickness: 3/8 inch.
 4. Length: As indicated on the Drawings.
 5. Spacing: [6 inches] [12 inches] [As indicated on the Drawings].
 6. Ridges: [None] [Vertical] [Horizontal] [30 degrees] [45 degrees].
 7. Felt Color: As selected from manufacturer's standard colors.
 8. Absorption: 0.75 to 1.15 NRC.
 9. Fire Rating: ASTM E84 Class A.
 10. VOC: ASTM D5116 compliant.
 11. Mounting Hardware: [Magnets] [Twist Clips] [Cable Grippers] as recommended by manufacturer.
- M. Style: GRILLE Felt Ceiling Baffles by MPS Acoustics.
1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 2. Dimensions: 94 x 94 x 7-3/4 inches.
 3. Grid Spacing: 11-1/2 inches.
 4. Felt Color: As selected from manufacturer's standard colors.

5. Absorption: 1.4 NRC.
6. Fire Rating: ASTM E84 Class A.
7. VOC: ASTM D5116 compliant.
8. Mounting Hardware: Cable Grippers as recommended by manufacturer.

N. Style: STRATUS Felt Ceiling Baffles by MPS Acoustics.

1. Material: PET felt, 100% polyester fiber, 60% recycled content.
2. Size: As indicated on the Drawings.
3. Shape: As indicated on the Drawings.
4. Edge Profile: 3/4 inch.
5. Spacing: [6 inches] [12 inches] [As indicated on the Drawings].
6. Ridges: [None] [Vertical] [Horizontal] [30 degrees] [45 degrees].
7. Felt Color: As selected from manufacturer's standard colors.
8. Absorption: 0.85 NRC.
9. Fire Rating: ASTM E84 Class A.
10. VOC: ASTM D5116 compliant.
11. Mounting Hardware: Cable Grippers as recommended by manufacturer.

O. Style: ENTWINE Felt Ceiling Baffles by MPS Acoustics.

1. Material: PET felt, 100% polyester fiber, 60% recycled content.
2. Dimensions: 90 x 90 x 11-1/2 inches.
3. Felt Color: As selected from manufacturer's standard colors.
4. Absorption: 0.85 NRC.
5. Fire Rating: ASTM E84 Class A.
6. VOC: ASTM D5116 compliant.
7. Mounting Hardware: Cable Grippers as recommended by manufacturer.

2.2 LIGHTED ACOUSTIC FELT CEILING BAFFLES

A. Basis-of-Design: MPS Acoustics, Toll Free 866-557-8438, www.mpsacoustics.com.

B. Style: SLIM LED Felt Ceiling Baffles by MPS Acoustics.

1. Material: PET felt, 100% polyester fiber, 60% recycled content.
2. Profile: 7 inches high by 2.03 inches wide.
3. Length: [26.40 inches] [37.45 inches] [49.15 inches] [61.15 inches] [73.15 inches] [85.15 inches] [94.95 inches].
4. Spacing: As indicated on the Drawings.
5. Lighting: [Direct] [Direct and indirect] LED.
6. Felt Color: As selected from manufacturer's standard colors.
7. Absorption: 1.4 NRC.
8. Fire Rating: ASTM E84 Class A.
9. VOC: ASTM D5116 compliant.
10. Mounting Hardware: Cable mounting as recommended by manufacturer.

C. Style: JOIST LED Felt Ceiling Baffles by MPS Acoustics.

1. Material: PET felt, 100% polyester fiber, 60% recycled content.
2. Baffle Height: [7 inches] [12 inches] [As indicated on the Drawings].
3. Width: 2.77 inches.
4. Length: [26.53 inches] [49.27 inches] [73.27 inches] [95.20 inches].
5. Spacing: As indicated on the Drawings.
6. Lighting: [Direct] [Direct and indirect] LED.
7. Felt Color: As selected from manufacturer's standard colors.

8. Absorption: 1.4 NRC.
9. Fire Rating: ASTM E84 Class A.
10. VOC: ASTM D5116 compliant.
11. Mounting Hardware: Cable mounting as recommended by manufacturer.

2.3 ACOUSTIC FELT CEILING GRID TILES

- A. Basis-of-Design: MPS Acoustics, Toll Free 866-557-8438, www.mpsacoustics.com.
- B. Style: GRADI Felt Ceiling Grid Tiles by MPS Acoustics.
 1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 2. Tile Size: 24 by 24 inches.
 3. Tile Depth: [2 inches] [4 inches] [6 inches] [8 inches] [As indicated on the Drawings].
 4. Felt Color: As selected from manufacturer's standard colors.
 5. Absorption: 0.85 to 1.30 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: MPS Acoustics, Toll Free 866-557-8438, www.mpsacoustics.com.
- B. Style: WANDER Felt Wall and Ceiling Panels by MPS Acoustics.
 1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 2. Configuration: [Vertical Wall Panel, 42 x 119 inches] [Horizontal Wall and Ceiling Panel, 42 x 81 inches] [Single Plank, 6 inches wide]
 3. Thickness: 3/8 inch.
 4. Felt Color: As selected from manufacturer's standard colors.
 5. Absorption: 0.32 NRC.
 6. Fire Rating: ASTM E84 Class A.
 7. VOC: ASTM D5116 compliant.
 8. Mounting: [Adhesive as recommended by manufacturer] [Magnets].
- C. Style: CREEP Felt Wall and Ceiling System by MPS Acoustics.
 1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 2. Depth: 3 inches.
 3. Width: [2-1/8 inches] [2-7/8 inches].
 4. Spacing: [6 inches] [As indicated on the Drawings].
 5. Orientation: [Vertical] [Horizontal].
 6. Felt Color: As selected from manufacturer's standard colors.
 7. Absorption: 1.4 NRC.
 8. Fire Rating: ASTM E84 Class A.
 9. VOC: ASTM D5116 compliant.
 10. Mounting Hardware: [Magnets] [Twist Clips] [Cable Grippers] [Drywall Lift Clips] as recommended by manufacturer.

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