

SECTION 09 51 03 - ACOUSTICAL PANEL CEILINGS

PART 1 GENERAL

1.1 SUBMITTALS

- A. Action Submittals:
 - 1. Shop Drawings: Illustrate ceiling layout and relationship to adjacent construction.
 - 2. Product Data: Manufacturer's descriptive data and product attributes for acoustical panels and suspension grid.
 - 3. Samples: [6 x 6 inch acoustical panel samples for product selection.] [Full size acoustical panel samples for product verification.]
- B. Informational Submittals:
 - 1. Certificate of Compliance: Certification that installed products meet specified fire hazard requirements.
- C. Closeout Submittals:
 - 1. Extra materials: [One unopened carton] [] unopened cartons.] [[2] [] percent] [] square feet] of each acoustical panel.

1.2 QUALITY ASSURANCE

- A. Installer Qualifications: Firm specializing in work of this Section with minimum [2] [] years' experience.
- B. Regulatory Requirements:
 - 1. Fire hazard classification: Class A rated, tested to ASTM E84.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acoustical Panels: Contract Documents are based on products by Genesis Products, www.qweltiles.com.
- B. Substitutions: [Refer to Division 01.] [Not permitted.]

2.2 MATERIALS

- A. Acoustical Panels:
 - 1. Product: Qwel.
 - 2. Construction: Non-woven PET fibers.
 - 3. Size: Nominally 24 x 24 inches.
 - 4. Drop below grid: [None.] [1/4 inch.] [1 inch.] [1/4 inch to 2 inches.] [3 inches.] [1/4 inch to 3 inches.]
 - 5. Profile: [Flat.] [Flat, 1/4 Inch Drop.] [Flat, 1 Inch Drop.] [Quad Circle.] [Linear Wave.] [Deep Dish.]
 - 6. Noise Reduction Coefficient (NRC): [0.75.] [0.80.]
 - 7. Fabricate panels for use with [9/16] [15/16] inch wide exposed grid ceiling suspension system.
 - 8. Color: [Solid Black.] [Charcoal Heather.] [Light Grey Heather.] [Pure White.]
- B. Suspension Grid System:
 - 1. ASTM C635, intermediate duty.
 - 2. Grid type: Exposed T.
 - 3. Material: Galvanized steel.
 - 4. Runners: [9/16] [15/16] inch exposed face width, flush profile.

5. Perimeter molding: Angle shape.
6. Finish: Factory applied enamel, [] color [to be selected from manufacturer's full color range.]

**** OR ****

- C. Suspension Grid System:
 1. ASTM C635, intermediate duty.
 2. Grid type: Exposed T.
 3. Material: Vinyl.
 4. Runners: [9/16] [15/16] inch exposed face width, flush profile.
 5. Perimeter molding: Angle shape.
 6. Color: [White.] [] [To be selected from manufacturer's full color range.]

2.3 ACCESSORIES

- A. Support Channels: [Galvanized] [Prime painted] steel.
- B. Hanger Wire: ASTM A641, minimum [12] [] gage galvanized steel.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install ceilings in accordance with ASTM C636 and CISCA Handbook.
- B. Minimize panels less than one half size.
- C. Install molding around perimeters and abutting surfaces.
- D. Install main tees at maximum [48] [] inches on center.
- E. Install cross tees to form 24 x 24 inch modules.
- F. Installation Tolerances: Ceilings level to [1/8] [] inch in 12 feet.

END OF SECTION