PART 1 - GENERAL

1.1 SUMMARY

A. Includes But Not Limited To:
   1. Furnish and install acoustical tile on backerboard as described in Contract Documents.

B. Related Sections:
   1. Section 09 2226: Gypsum board ceiling suspension system.
   2. Section 09 2900: Gypsum backerboard.

1.2 REFERENCES

A. American Society For Testing And Materials;
   1. ASTM E 795-00, 'Standard Practices for Mounting Test Specimens During Sound Absorption Tests.'

1.3 SUBMITTALS

A. Product Data;
   1. Manufacturer’s literature on tile and adhesive.
   2. Color and pattern selection.
   3. Manufacturer’s installation recommendations.

B. Samples: One sample of each variant of specified tile series.

1.4 QUALITY ASSURANCE

A. Pre-Installation Conferences:
   1. Participate in pre-installation conference specified in Section 09 2900 to review finish requirements for gypsum wallboard ceilings.
   2. Schedule acoustical tile ceiling pre-installation conference after installation of gypsum wallboard but before beginning installation of tile.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Store materials where protected from moisture.

B. Store adhesive on site at installation temperature, between 65 and 90 deg F 18 and 32 deg C, for one week before installation.

1.6 PROJECT CONDITIONS

A. Project Environmental Requirements: Building shall be enclosed, mechanical system operating with proper filters in place, and temperature and humidity conditions stabilized within limits under which Project will operate before, during, and after installation until Substantial Completion. Temperature at time of setting tile shall be 65 deg F 18 deg C minimum and 90 deg F 32 deg C maximum.
1.7 WARRANTY
A. Provide Manufacturer’s 10 year warranty.

1.8 MAINTENANCE
A. Extra Materials: Provide Owner with two cartons of each type of tile for future use.

PART 2 - PRODUCTS

2.1 MATERIALS
A. Adhesive:
   1. Non-staining type suitable for work.
   2. Type Two Acceptable Products:
      a. ATA5495 Acoustical Tile Adhesive by TACC International Corp.
      b. Titebond Solvent Free Acoustical Ceiling Tile Adhesive by Franklin International.
      c. Highest quality of adhesive from manufacturer recommended by Tile Manufacturer as approved by Architect before use. See Section 01 6000.

B. Edge Molding:
   1. Steel ‘U’ molding with baked enamel finish.
   2. Type Two Acceptable Products:
      a. 7840 Series by Armstrong.
      b. US 12 RWS 14 by USG Interiors.
      c. Equal as approved by Architect before installation. See Section 01 6000.

2.2 MANUFACTURED UNITS
A. Acoustic Tile:
   1. Size: 3/4 inch 19 mm thick minimum by 12 inches 300 mm square.
   2. Finish: Abuse-resistant / durable. Use tile from same color run in individual rooms to assure color match.
   3. Category Two Product. See Section 01 6000 for definitions of Categories.
      a. CSP by Armstrong.

2.3 MANUFACTURERS
A. Contact Information:
      a. For pricing and ordering of tile, contact Sherry Brunt / Phyllis Miller at (800) 442-4212, FAX 800-233-5598, or bpo_strategic_accounts@armstrong.com.
      b. For Strategic Account information, contact Randy Lay at (303) 775-1409 ralay@armstrong.com.
   3. TACC International Corp, Rockland, MA (800) 503-6991 or (781) 878-7015.
PART 3 - EXECUTION

3.1 EXAMINATION

A. Inspect for defects in backing and support that are not acceptable. Notify Architect in writing of unacceptable conditions. Do not apply ceiling tile until defects in backing and support are corrected.

3.2 INSTALLATION

A. Materials and substrate shall be dry and clean at time of application.

B. Installation shall be in accordance with Manufacturer's recommendations.
   1. Use only tile with same lot number in individual rooms to assure color match.
   2. Install tile running same direction with direction of pattern running parallel to long dimension of each room.
   3. Remove loose dust from back of tile and ceiling where adhesive is to be applied.
   4. Prime 3 inch 75 mm minimum circle near each corner by buttering very thin coat of adhesive.
   5. Apply daub of adhesive to each corner. Daubs will be of sufficient size to form a circle 2-1/2 to 3 inches 63 to 75 mm in diameter and 1/8 to 1/4 inch 3 to 6 mm thick when tile is pressed firmly in place. Do not apply daubs so far in advance of installation that adhesive skins over.
   6. Install splines in kerfs at corners.

C. Lay out tile symmetrically about center lines of room unless shown otherwise on Drawings. Lay out so tiles at room perimeters are at least 1/2 full tile size. Leave tile in true plane with straight, even joints. Tile joints shall be straight and in alignment, and exposed surface flush and level. Furnish and install specified molding wherever tile abuts walls, columns, and other vertical surfaces, except at curves of 3 inch 75 mm radius or smaller. Cut around penetrations that are not to receive moldings cleanly with sharp knife and at a slight angle away from cutout.

D. Locate light fixtures, speakers, and mechanical diffusers and grilles symmetrically in room and centered on tile centers or tile joints insofar as possible, unless shown otherwise. Keep method of locating ceiling mounted items as consistent as possible throughout building. Ceiling mounted item location method within each room shall always be consistent.

3.3 ADJUSTING

A. 'Touch-up' minor abraded surfaces.

B. Remove and replace discolored tile to match adjacent tile.

C. Remove and replace damaged or out-of-level tile at no cost to Owner.

3.4 CLEANING

A. Remove from site debris connected with work of this Section.

END OF SECTION