

SECTION 09510

ACOUSTICAL CEILING

PART 1 GENERAL

1.01 DIVISION OF RESPONSIBILITIES TERMINOLOGY: **NOT USED**

1.02 SUMMARY: Provide Acoustical Ceiling where shown on the drawings, as specified in this Section, and as needed for a complete and proper installation. If required by the local jurisdiction, provide supplementary acoustic ceiling installation techniques due to the building location with a Seismic Zone, in which seismic restraints are required.

1.03 RELATED WORK: Refer to Section 15255-Seismic Restraints for specification of supplementary acoustic ceiling installation techniques.

1.04 SUBMITTAL: No submittal is required for the work of this Section IF provided per the construction documents. Any Request for Product Substitution must be submitted per Section 01340-Submittals.

1.05 WARRANTY:

A. The Contractor shall provide the manufacturer's standard ceiling tile warranty for dimensional stability against sagging, warping, shrinkage, and delamination of the face materials, in the Building Maintenance Manual per Section 01700-Contract Closeout.

B. Installer's Warranty: The Contractor shall provide the installer's warranty for all work provided, for a term of one year from the Date of Substantial Completion, in the Building Maintenance Manual per Section 01700-Contract Closeout.

1.06 REFERENCE STANDARDS:

A. Comply with the applicable provisions of the following:

- 1 ASTM C635-Metal Suspension System for Acoustical Tile and Lay-In Panel Ceilings.
- 2 ASTM C636-Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels.
- 3 ASTM E580-Standard Practice for Application of Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels in Areas Requiring Seismic Restraints (if seismic restraints are required by the local jurisdiction)

PART 2 PRODUCTS

2.01 "T" GRID SYSTEMS: Provide systems of supporting members, anchors, wall cornices, adapters for light fixtures, and grilles, and accessories of every type required for a complete suspended "T" grid system of the arrangement shown on the drawings, complying with pertinent requirements of Underwriters Laboratories, Inc. and governmental agencies having jurisdiction.

2.02 ACOUSTICAL CEILING GRID AND TILE:

A. Provide products by Armstrong Interiors. Contact Monty Gillespie (513-309-1495, vmgillespie@armstrong.com), for Petco's national account pricing and to verify product availability. No product substitution is acceptable.

B. Drawing Key Symbol "CF-03" (feature tile, used at Grooming Reception with field tile CF-08 in same grid):

1. Grid: Armstrong Suprafine 9/16", Color White WH.
 2. Ceiling Tile: Armstrong Cirrus Themes, Critters S500 Series, 24"x24"x3/4" beveled tegular, Color White.
 - a. Refer to Drawing Sheet A2.4 for this feature ceiling tiles pattern. There are different feature tile patterns needed to complete this ceiling's layout. It is possible that not all feature ceiling tiles A to F listed below will be used on this project
 1. Drawing Key Symbol A: Critters S500 Series, S500
 2. Drawing Key Symbol B: Critters S500 Series, S501
 3. Drawing Key Symbol C: Critters S500 Series, S502
 4. Drawing Key Symbol D: Critters S500 Series, S503
 5. Drawing Key Symbol E: Critters S500 Series, S510
 6. Drawing Key Symbol F: Critters S500 Series, S512
- C. Drawing Key Symbol "CF-04": "Ceramaguard #605", Nonperforated Square Edge lay-in Ceiling Panels, 24" x 48" x 5/8" (1.4 lbs./ SF), with scrub-able factory-applied plastic finish, Color White WH.
- D. Drawing Key Symbol "CF-06":
1. Grid: Armstrong Prelude 15/16", Color White WH.
 2. Ceiling Tile: Armstrong "Cortega Colortone #769-WH", Square Edge lay-in Ceiling Panels, 24" x 48" x 5/8" (0.6 lbs / SF), Color White.
- E. Drawing Key Symbol "CF-08" (field tile):
1. Grid: Armstrong Suprafine 9/16", Color White WH (same grid as CF-03).
 2. Ceiling Tile: Armstrong Cirrus Themes, Plain Panel S299, 24"x24"x3/4" beveled tegular, Color White.

2.03 CEILING ACCESSORIES:

- A. Eggcrate Diffuser at Vestibule: Provide 24" x 48" panel (cut to fit), 1/2" x 1/2" eggcrate pattern, Color White, by Outwater Plastics Industries Inc., Woodridge NJ (973/ 472-3580).

PART 3 EXECUTION

3.01 SURFACE CONDITIONS: The Contractor shall examine the areas and conditions under which work of this Section will be provided, shall correct conditions detrimental to the timely and proper completion of the work, and shall NOT proceed until unsatisfactory conditions are corrected.

3.02 INSTALLATION:

- A. The Contractor shall provide suspended acoustical ceiling per ASTM C636, ASTM E580 and pertinent UL design requirements, or per governmental agencies having jurisdiction.
- B. Lateral Bracing: Secure lateral bracing to structural members, and at right angles to the direction of the partition and at four ways in the large ceiling areas.
- C. The Contractor shall provide hold-down clips on ceiling panels within 20 feet of exterior doors, at Restrooms and the Vestibule, and/or when required by governmental agencies having jurisdiction.

3.03 CLEANUP: In addition to cleanup requirements specified in other sections, the Contractor shall completely remove fingerprints and traces of soil from the surfaces of the suspended ceiling tile grid and acoustical materials, using only cleaning materials recommended for the cleaning purposes by the manufacturer of the material being cleaned.

END OF SECTION

