SECTION 09510
ACOUSTICAL CEILINGS

PART 1 - GENERAL

1.1 SUMMARY:
   A. Section Includes:
      1. Acoustical tile and panel ceiling quality standards.
      2. Acoustical tile and panel ceiling manufacturers.
   B. Related Sections:
      1. Section 09260 - Gypsum Board Systems: Substrate for acoustical tile.

1.2 SUBMITTALS:
   A. Manufacturer's Data:
      1. Certification Requirements:
         a. Certify that products furnished for this project are asbestos free.
         b. Certify that products meet or exceed specification requirements.
      2. Maintenance:
         a. Submit instructions for proper maintenance and cleaning.
         b. Provide instructions for refinishing.
         c. Provide recommendations on precautions against materials and methods which may be detrimental to finishes and acoustical performance.
   B. Samples:
      1. Submit three 12" square samples of each type of acoustical material to illustrate color and range of appearance to be expected in completed work.

1.3 QUALITY ASSURANCE:
   A. Manufacturer: Company specializing in the manufacture of acoustical ceiling tile and panels with three years minimum experience.
   B. Installer: Company with three years minimum experience and approved by manufacturer of acoustical units.
   C. Terminology and Performance: Applicable publications by the Ceilings and Interior Systems Contractors' Association (CISCA), including former Acoustical Materials Association Standards issued by CISCA.

E. Fire Hazard Classification: UL tested, listed and labeled as "Class O-25", smoke developed of 50 or less per ASTM E84.

F. Fire Resistance Rating: UL tested, listed and labeled for the UL design and hours of resistance as indicated, with each panel bearing UL label.

1.4 MAINTENANCE MATERIALS:

A. At time of completing the installation, deliver stock of maintenance materials to the Owner. Furnish full size units matching the units installed, packaged with protective covering for storage, and identified with appropriate labels.

B. Acoustical Units: Furnish an amount equal to 2.0% of the amount installed of each type, pattern, color, but not less than 10 units. Do not use for replacement of damaged units prior to building occupancy or substantial completion whichever occurs later.

PART 2 - PRODUCTS

2.1 MANUFACTURERS:

C. Products offered by manufacturers to comply with requirements include the following:

1. Armstrong World Industries, Inc.
2. Celotex Building Products Div.
3. USG Interiors, Inc.

B. Suspension Grid System:

2. Preferable Grid Module: 24” by 24”.
3. Grids Modules not Acceptable: Any grid module with any dimension of 60”.
4. Coordinate with Divisions 15 and 16 to ensure proper type of diffuser and light fixture mounting to match panels and suspension system. Independently suspend light fixtures.
5. Concealed-spline ceilings are not permitted.
6. Hanger Wires: ASTM A641, soft temper, pre-stretched, yield-stress load of at least 3 times the design load, but not less than 12 gage.

PART 3 - EXECUTION
Not Used

END OF SECTION 09510