

## 09 53 00 – Acoustical Ceiling Suspension Assemblies

### 1. General

- A. Acoustical panel ceilings shall consist of panels with a maximum size of 2 feet x 2 feet x 3/4 inch thick. Tiles shall be non-directional with no less than one-half tile width at perimeters. Panels shall generally be a non-directional fissured design, unless special design is necessary to a feature area. Panels shall be smooth vinyl or mylar-faced when used in high-moisture locations such as food preparation and toilet areas. Ceiling tile and grid design where required shall be fire rated along with the total ceiling or roof assembly design. All corridors and exit areas shall have a minimum one hour design rating as required by building code.
- B. Concealed spline ceilings are not recommended but if necessary, they shall be provided with adequate access panels for use by maintenance personnel. Exposed grid shall be electro-galvanized steel with white enamel exposed surfaces, except in high-moisture areas where ceiling tile panels are not recommended (and plaster or gypsum board should be considered). Return air plenums above the ceiling are not recommended but where employed, hold-down clips shall be provided at ceiling panels. Ceiling cavity as return air plenums may not be used in institutional occupancy. Corner trim shall be provided where grid changes direction at wall. The Consultant shall carefully consider the placement of light fixtures in the ceiling tile pattern in order to avoid cutting grid members and shall provide adequate support for the grid and light fixtures through the use of main support runners. Light fixtures, smoke detectors, sprinkler heads, speakers and fire horns shall be centered within tiles.