TENSOR™ Suggested Specification: Laminar airflow diffusers for critical air diffusion applications shall be Tuttle & Bailey® model Tensor™. Installed units shall provide a flush line with ceiling system, non-flush face diffusers are not acceptable. The unit shall consist of a diffuser face assembly and a diffuser backpan assembly. The diffuser face assembly must be factory installed in the diffuser backpan assembly and be delivered ready to install. The diffuser face assembly shall be a one-piece design with an integral solid perimeter frame. Face perforations shall be 1/16" diameter holes on 1/8" centers. The face assembly shall be removable with common tools. It must be secured with stainless steel quarter-turn fasteners and include safety cables attached to the backpan assembly. The diffuser backpan assembly shall be fabricated as a fully assembled single unit. The standard unit shall consist of the back frame assembly, an integral inlet cone baffle and a 2-inch high collar to permit a secure duct connection. The subplenum unit shall consist of the back frame assembly, a secondary equalization chamber, and a removable perforated distribution baffle to equally distribute the delivered air over the complete surface area. Both baffle and face assembly are to be removable with common tools. The HEPA filter unit shall consist of the back frame assembly, a secondary equalization chamber, and a knifeedge to accept the gel seal of the HEPA filter. Heavy duty swivel clamps shall be used to secure the filter gel seal to the unit. All joints and seams shall be sealed with RTV silicone to prevent air leakage. Engineering data shall be based upon tests conducted in accordance with ASHRAE Standard 70-1991, Method of Testing for Rating the Performance of Air Outlets and Inlets. Published Noise Criteria (NC) data shall be determined based upon a 10dB room attenuation across all octave bands. The Finish shall be Tuttle & Bailey White (WH) Powder Coat or Mill finish.