SECTION 15885D - AIR CLEANING DEVICES

A. SECTION INCLUDES

1. Extended Surface Filters
2. Extended Surface Self-Supporting Filters
3. High Efficiency Particulate Air (HEPA) Filters
4. Filter Holding Frames
5. Filter Gages

B. SECTION DOES NOT INCLUDE

1. Replaceable (throwaway) Panel Filters
2. Cleanable (washable) Panel Filters
3. Automatic Roll Filters
4. Activated Carbon Filters
5. Electronic Air Cleaners (Not Permitted)
6. Dust Collection Systems
7. Special Filters, Such As “Bag-In/Bag-Out” (Generally used on systems with hazardous contaminants).

C. DESIGN CRITERIA

1. Specify prefilters (30 - 35 % efficient) when using high-efficiency units
2. Specify filter differential pressure gage to measure filter pressure drop.
3. Provide sufficient space to access and service filters
4. Design filter assembly so that face velocity does not exceed 500 fpm.
5. Design for dirty filter pressure drop effect on system performance.
6. Specify all filters to be the same size, preferably 24” x 24”.
7. Specify “Class I” fire performance characteristics.

END