

## 233700S01 HVAC AIR OUTLETS AND INLETS

1.0: Air diffusers and return/exhaust grilles installed in Medical Center buildings only should meet the following requirements:

- a. Diffusers and return/exhaust grilles in drop ceilings shall be 24" x 24" drop-in type diffusers. Diffusers built into light fixtures are not allowed.
- b. Diffusers and return/exhaust grilles shall have pin perforated faces when the entire room or area is replaced or in new buildings/construction. If diffusers or grilles are installed in an area with existing diffusers of other face types, then the new diffusers shall match the existing unless the project replaces the entire room or area.

2.0: On all projects where Low-Profile, Horizontal Fan Coil Units are specified, the above ceiling filter rack on the intake of the unit shall be omitted. Any filter rack/slot on the unit provided from factory shall be closed off with appropriate sheet metal and sealed. An in-ceiling grid filter grill shall be substituted and meet the following requirements:

- a. Insulated 1" fiberglass plenum R4.2
- b. Aluminum foil vapor barrier
- c. 24" x 24" Lay-in type
- d. 1/2" x 1/2" x 1/2" eggcrate face for maximum free area
- e. Concealed hinges
- f. Accepts standard 20" x 20" x 1" filter
- g. Earthquake tabs
- h. Standard finish is white
- i. Free open area of grill shall equal or exceed the free intake area of the air handler