HVAC Design Manual
for
New, Replacement, Addition, and
Renovation of Existing VA Facilities

AMENDMENT A

- Hospitals
- Clinics (Outpatient and Inpatient)
- Emergency Care
- Ambulatory Care
- Animal Research and Holding
- Laboratories
- Energy Centers
- Warehouses

Department of Veterans Affairs

Office of Construction & Facilities Management
Facilities Quality Service (00CFM1A)
811 Vermont Avenue, NW
Washington DC 20420
1. Patient (Litter) Bathroom (Page 6-64)

Delete the HVAC Design Parameters, including Note 1, from the Room Data Sheet and replace it with the revised data shown in the next page.

2. Litter Bath (Page 6-53)

Delete the Litter Bath and the associated HVAC Design Parameters from the Room Data Sheet
### General Note:
Amendment a incorporates a change proposed by the PVA (Paralyzed Veterans of America) to increase the capacity of the exhaust air system serving the patient bathroom. Also, per this amendment, negative air balance is increased from single negative ( - ) to double ( - - ) negative to contain the foul odors more effectively.

### Note 1 - Total Air Changes per Hour & Negative Air Balance
Minimum total air changes per hour are increased from 10 to 15. Note that per ASHRAE Standard 170 - Paragraph 7.1 1c (Page 6), the minimum total air changes per hour (15) represent the air volume to be exhausted outdoors. Consequently, the supply air volume shall be 11.5 to 12 ACH.

### Note 2 - Energy Conservation Initiative
Include occupied/unoccupied mode of operation to conserve energy by analyzing the cost effectiveness of such features as occupancy sensor, two-position supply air terminal, two-speed, dedicated exhaust fan etc.