



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)
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HVAC DESIGN MANUAL AMENDMENT A, APRIL 2011

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HVAC Design Manual – March 2011

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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

SPINAL CORD INJURY/DISORDERS CENTER - ROOM DATA SHEET - Amendment A

ROOM NAME	INDOOR TEMPERATURE				INDOOR RELATIVE HUMIDITY		MIN TOTAL ACH	MIN OA ACH	ROOM AIR	MAX NOISE LEVEL NC	ROOM AIR BALANCE	INDIVIDUAL ROOM CONTROL	
	COOLING		HEATING		% RH	% RH			RETURN			TEMP	FLOW
	F	C	F	C	MAX	MIN			EXHAUST (G) EXHAUST (S)				

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.

Patient (Litter) Bathroom	75	24	70	21	NA	NA	15	NA	Exhaust (G)	40	(- -)	Yes	CV
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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.