

**“S.A.R.S.”**

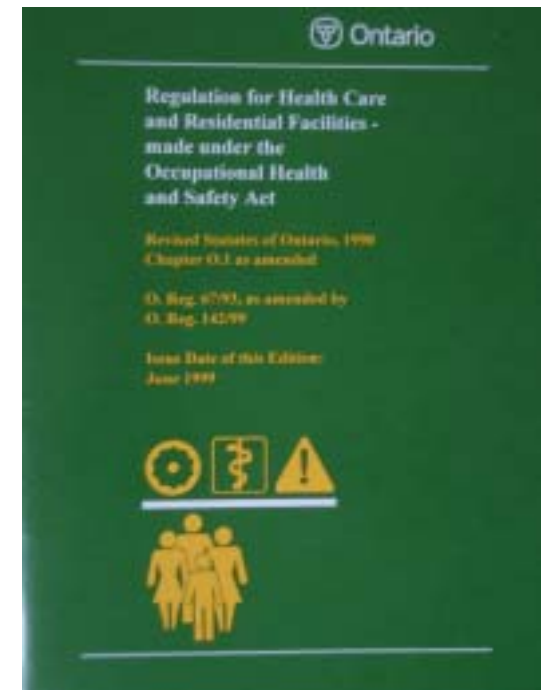
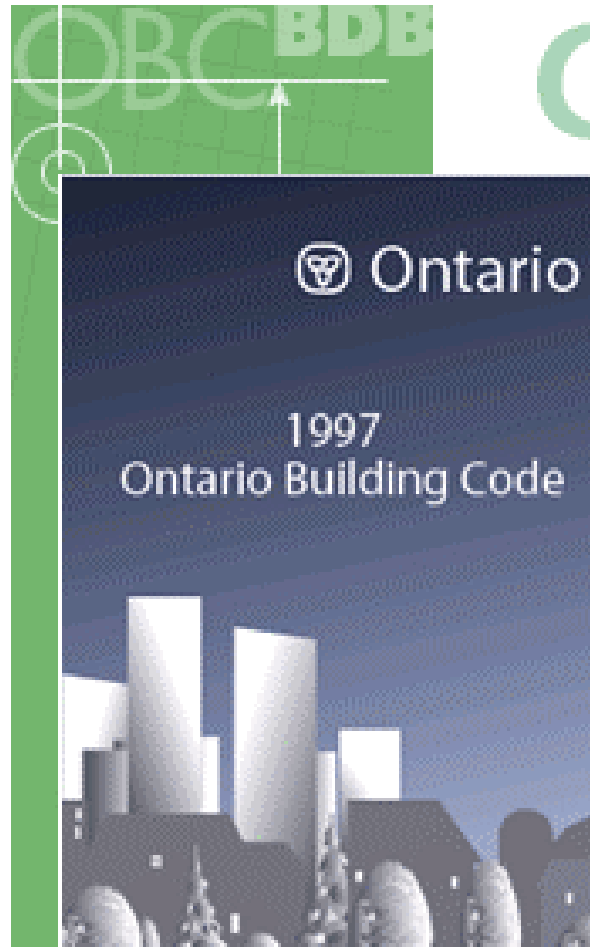
**Air Movement from Ventilation Systems**

**November 19, 2003**

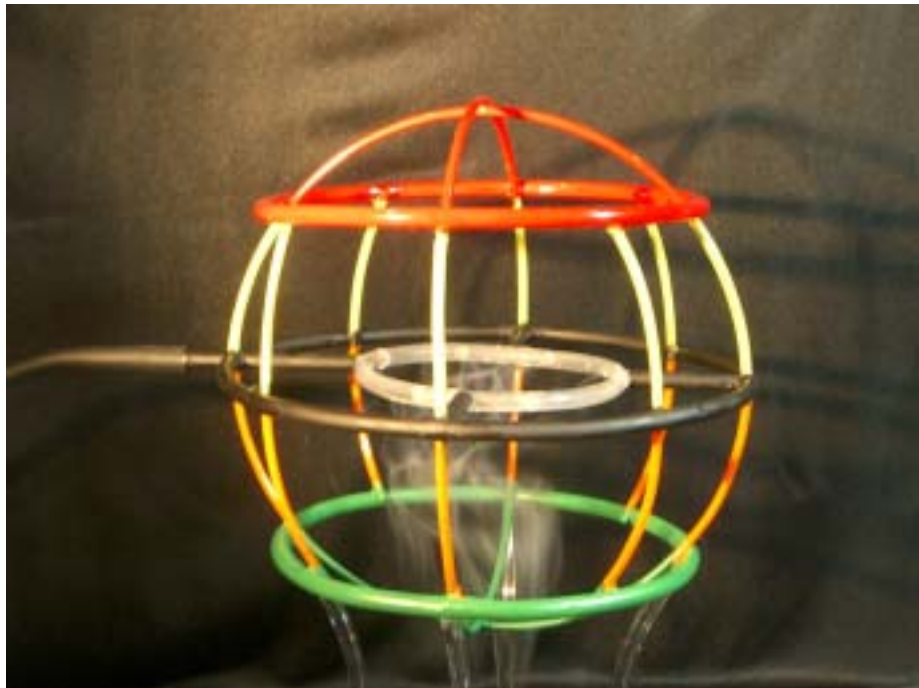
**James C. Ashton**

# Air Movement

Heating, Ventilation and Air Conditioning Systems for Health Care Facilities



Passed = 2



Failed = 26



# Hospital Rooms With CSA Specified Air Movement

## CLASS I

- Operating Rooms, Recovery Rooms, Isolation Rooms, Nurseries
- Associated Areas: Such as
- Corridors, Storage Rooms, Preparation Rooms, Supply Rooms, VISITOR Areas, Etc.
- ICU/CCU/Burns

## CLASS II

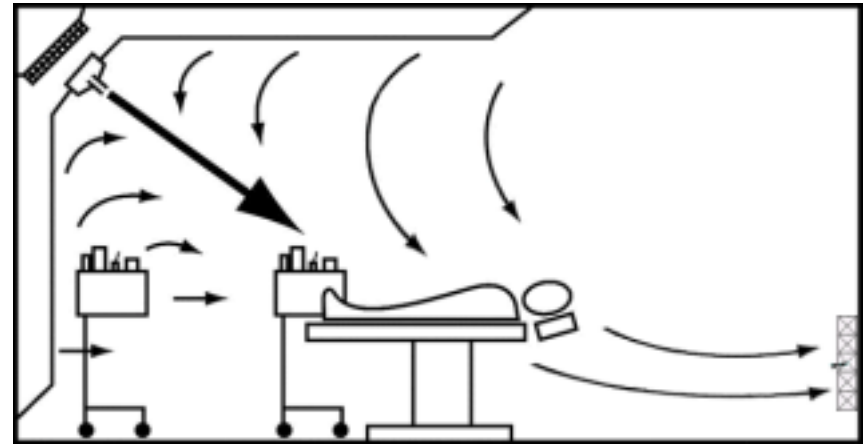
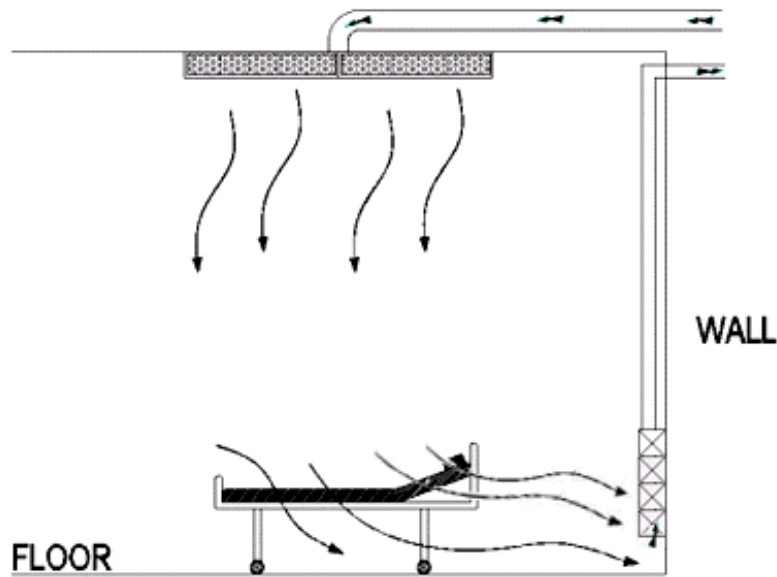
- Patient Rooms, Diagnostic Imaging, Emergency, and other Treatment Areas,
- Associated Areas: Such as
- Corridors, Storage Rooms, Preparation Rooms, Supply Rooms, VISITOR Areas, Etc.
- CSR

## CLASS III

- Laboratories, etc, Pharmacy, Offices, Physiotherapy, Therapy Pools, Associated Areas, Dietary, Laundry, Class Rooms/Meeting Rooms/ therapy rooms.

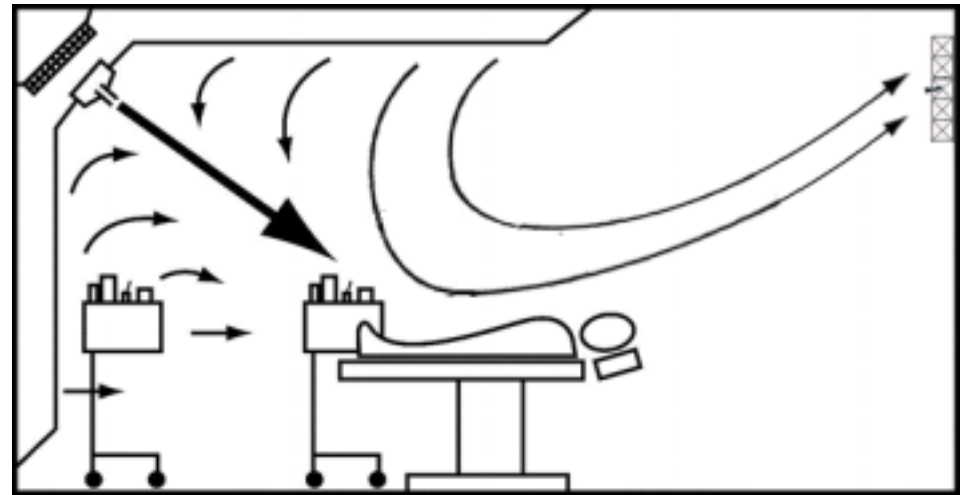
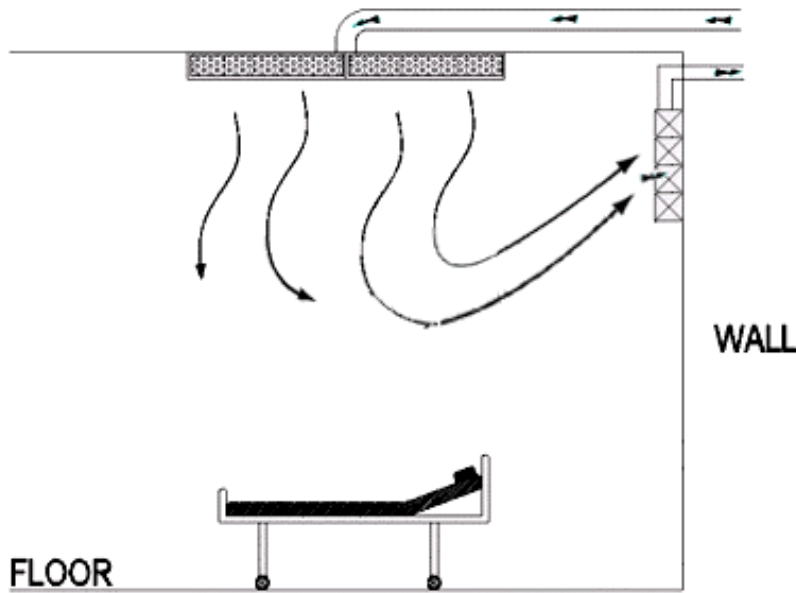


# Normal Room Air Movement





# Reverse Room Air Movement





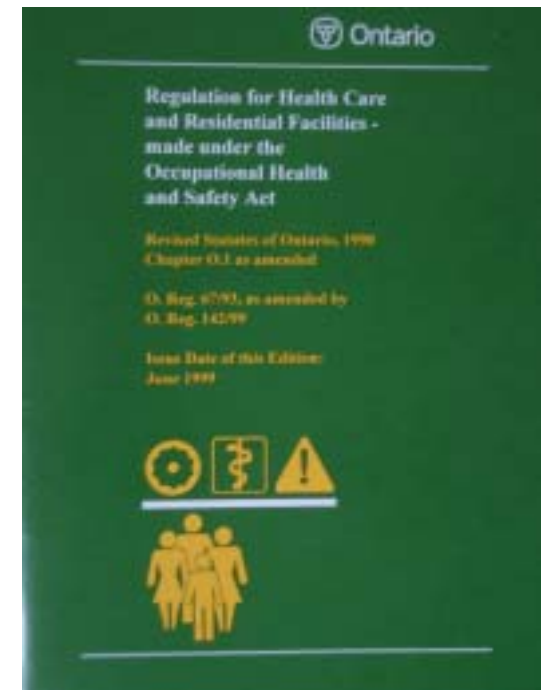
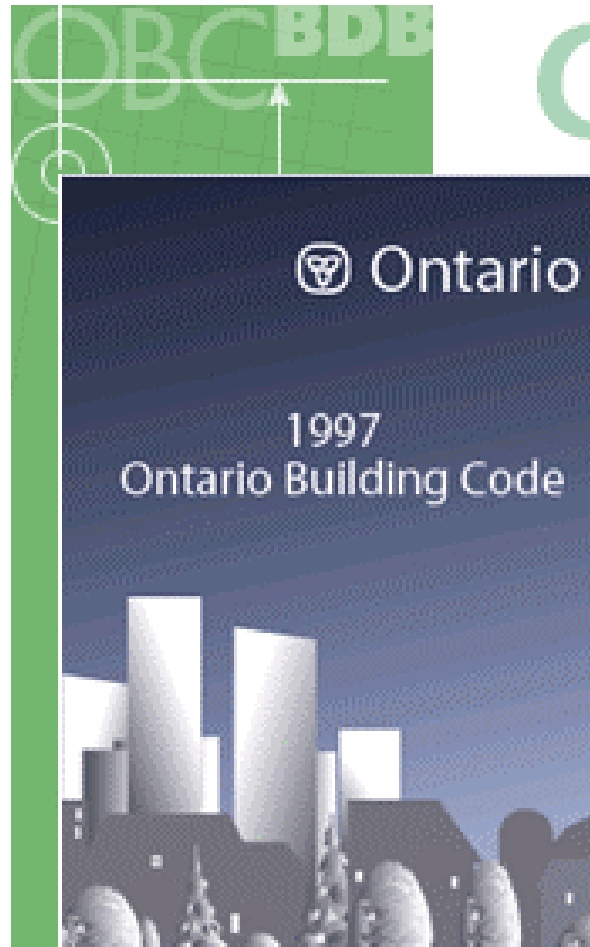


# Action

1. Examine the Air Movement Inspection Reports, for the 5 years prior to the first outbreak of "S.A.R.S."
2. Recommend Strict Regulations for the Inspections and Adherence to the Regulations

# Air Movement

Heating, Ventilation and Air Conditioning Systems for Health Care Facilities



**Regulation for Health Care  
and Residential Facilities -  
made under the  
Occupational Health  
and Safety Act**

Revised Statutes of Ontario, 1990  
Chapter O.1 as amended

O. Reg. 67/93, as amended by  
O. Reg. 142/99

Issue Date of this Edition:  
June 1999



# Actual Hospital Tests

Passed = 2

Failed = 26



These photographs have not been enhanced