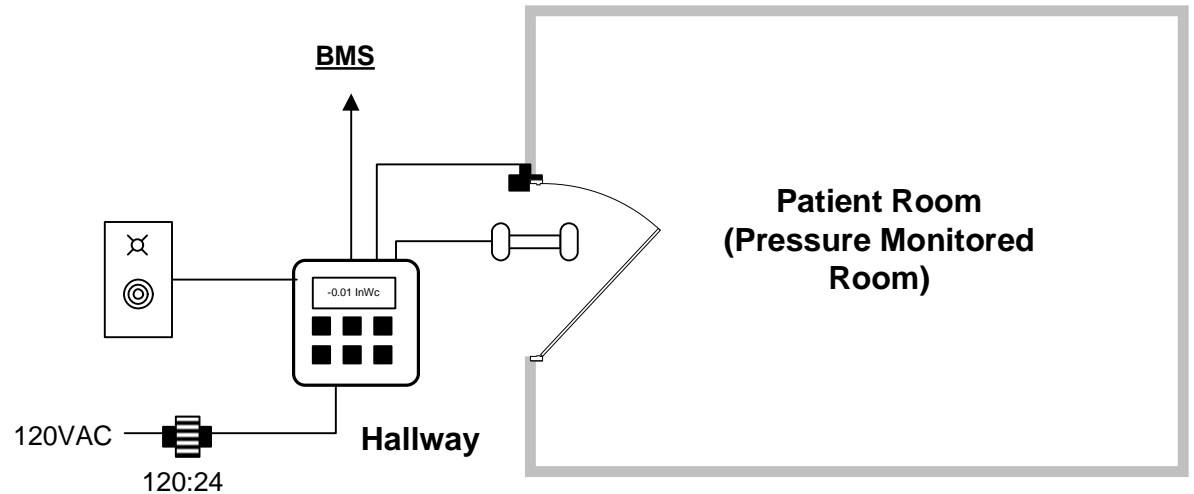


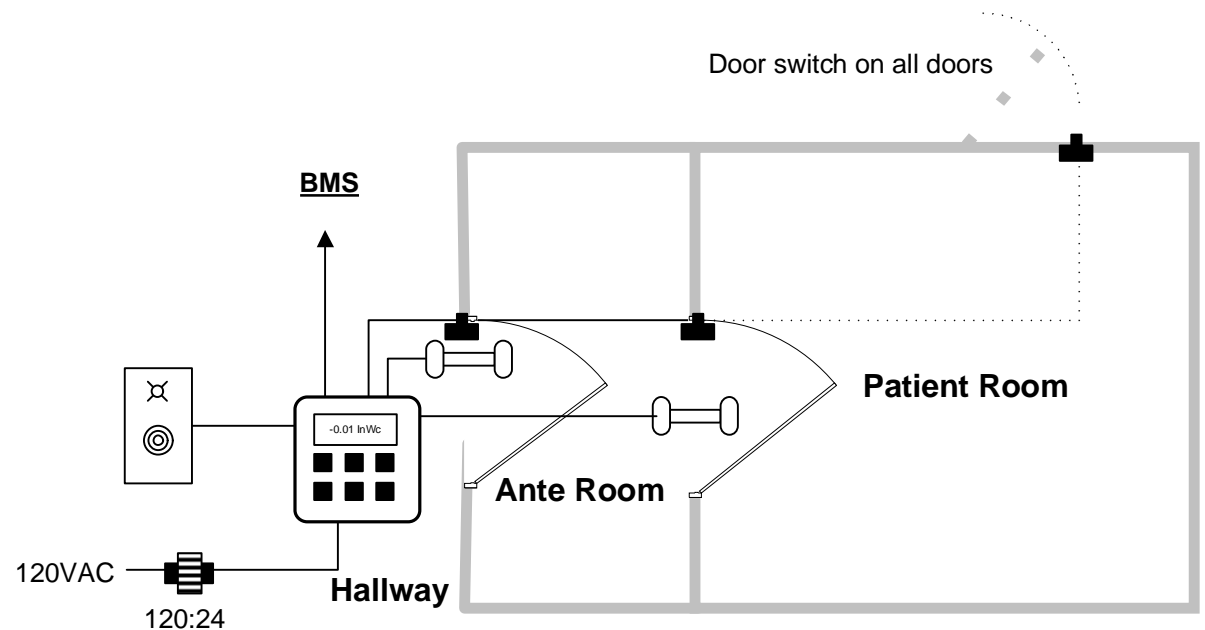
Three typical isolation room architectural designs with room pressure monitoring single line diagram.



Single Isolation Room

CMC 2007 Code requirements (416-417)

- Continuous Monitoring
- Based on static pressure, directional flow (TSI provides both), or volumetric offset
- Audio Visual (A/V) alarm and display located on corridor wall.
- A/V alarm at nurse station.
 - Most AHJ consider room alarm in line of sight from nurse station to meet this requirement.
- Setpoint 0.001 InWc or 100 FPM with doors closed..
- Alarm on loss of SA, EA or RA fans
 - Most AHJ allow building control system to provide fan loss alarms.
- Time delay for routine door opening.
- Demonstrate to owner (416.4)
- Tested by balancer (AABC or NEBB) (417)

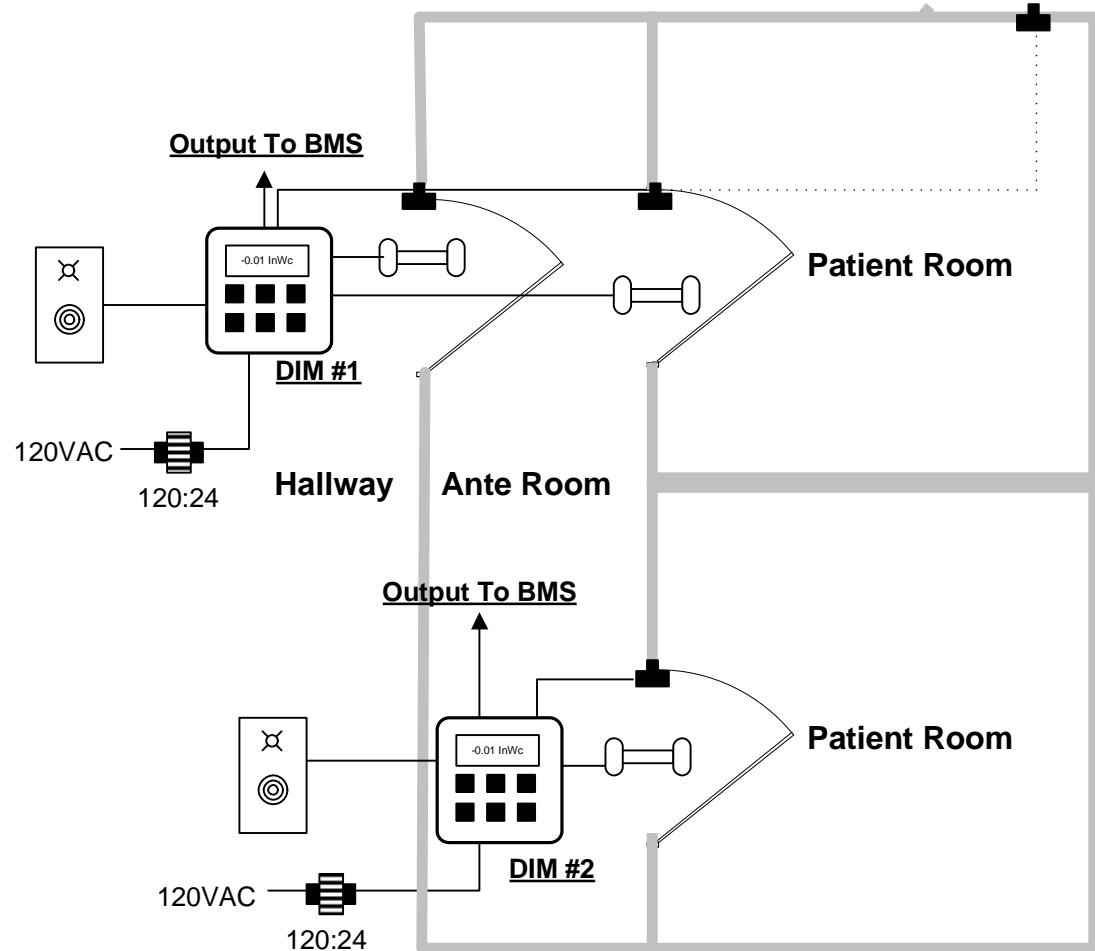


Ante Room & (1) Isolation Room

See Page 2 for symbol key.

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DATE	SCALE	REV	BY	FILENAME	
9/13/2011	NTS	2	DS	ISOLATION ROOM 3 TYPICAL LAYOUTS WEB.VSD	

Door switch on all doors
See plans for # of doors

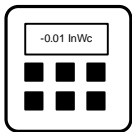


Symbols Key



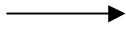
Room Pressure Sensor

UL 2 Hour Fire Wall Rated
Bi-Directional, Mount over door



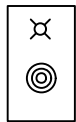
DIM

(Digital Indication Module) Keypad & Display, A/V Alarms. Mount outside room, 60" AFF



Output To BMS

Alarm Relays, Room Pressure Analog signal, Network connection (BACnet, LON, N2, Modbus, see quote)



Nurse A/V Alarm

Locate at nurse station
Not generally required for Pharmacies



Door Switch

SPDT On Each Door into room
Note: Door switches are optional, reduces nuisance callbacks.




120:24

Transformer

Use TSI supplied transformer.
Separate transformer for each DIM

Dual Isolation Rooms with (1) Shared Ante Room

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9/13/2011	NTS	2	DS	ISOLATION ROOM 3 TYPICAL LAYOUTS WEB.VSD	