

BLOCK 1170 LOT 18 QUALIFICATION CODE _____ ADDRESS (SITE) _____ PERMIT NO. 05-1258



CONSTRUCTION PERMIT APPLICATION

Applicant Completes: Sections I, II, III (optional), IV, VI, and VII

I. IDENTIFICATION

1. Proposed Work Site at: Brick medical Center
 2. Name of Owner in Fee: Meredith Tel. ()
 Address _____ street _____ municipality _____ zip code _____
 3. Ownership in fee: Public _____ Private _____
 4. Principal Contractor: SH DATA SITE Tel. (732) 225 74 74
 Address 3 Fernwood Ave
 License No. OR, if new home, Builder Reg. No. 154706 Exp. Date _____
 Federal Employee No. 22-2914655 FAX: ()
 5. Architect or Engineer _____ Tel. ()
 Address _____ Contact _____
 6. Responsible Person in Charge once Work has Begun STEVE KOWNACKI
 Tel. 908 565-2738 FAX: (732) 225 4547

V. FEE SUMMARY (for office use only)

		Update	Update
1. Building	\$		
2. Electrical			
3. Plumbing			
4. Fire Protection			
5. Elevator Devices			
6. Subtotal	\$		
7. Less 20% for State Plan Review			
8. Subtotal	\$		
9. State Permit Fee Surcharge	\$		
10. Subtotal	\$		
11. Cert. of Occupancy			
12. Other			
13. TOTAL	\$		

VI. BUILDING/SITE CHARACTERISTICS

1. Number of Stories _____
 2. Height of Structure _____ ft.
 3. Area — Largest Floor _____ sq. ft.
 4. New Building Area _____ sq. ft.
 5. Volume of New Structure _____ cu. ft.
 6. Construction Classification _____
 7. Total Land Area Disturbed _____ sq. ft.
 8. Flood Hazard Zone _____
 9. Base Flood Elevation _____ ft.
 10. Wetlands _____
 11. Max. Live Load _____
 12. Max. Occupancy Load _____

(office use only)

Fire Supression

OPTIONAL (for office use only)

II. PROPOSED WORK	Est. Cost	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates	Re-viewer
1. ☐ Minor Work		DA	3/29					
2. ☐ New Building								
3. ☐ Addition								
4. ☐ a. Repair								
☐ b. Alteration								
☐ c. Renovation								
☐ d. Reconstruction								
5. ☐ Fire Protection								
6. ☐ Plumbing								
7. ☐ Electrical								
8. ☐ Elevator Devices								
9. ☐ Asbestos Abat. Subch. 8								
10. ☐ Lead Hazard Abatement								
11. ☐ Demolition								
TOTAL COSTS								

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL

1. State Specific Use: _____
 2. Use Group: _____
 3. Change in Use Group, Indicate Former: _____
 4. No. of dwelling units:
 Before Construction _____
 After Construction _____
 Net Gain or Loss _____

B. NON-RESIDENTIAL

1. State Specific Use: _____
 2. Use Group: _____
 3. Change in Use Group, Indicate Former: _____

III. DO YOU WANT: (optional)

1. ☐ Partial Releases
 2. ☐ Prototype Processing

IV. DOES OR WILL YOUR BUILDING CONTAIN ANY OF THE FOLLOWING?

1. ☐ Elevators/Escalators/Lifts/
Dumbwaiters/Moving Walks
 2. ☐ High Pressure Boilers
 3. ☐ Pressure Vessels
 4. ☐ Refrigeration Systems
 5. ☐ Cross-Connections/Backflow Preventers
 6. ☐ Hazardous Uses/Places of Assembly
 7. ☐ Sprinklers
 8. ☐ Smoke Control Systems in Open Wells
 9. ☐ Underground Storage Tanks
 10. ☐ Swimming Pools, Spas and Hot Tubs

LDS BR 10625504

CERTIFICATION IN LIEU OF OATH

I. OWNER SECTION (to be completed if the applicant is the owner in fee)

I hereby certify that I am the owner in fee of the property listed on Page 1.

Mark the following applicable boxes:

- A. ☐ I further certify that a new home (private residence) will be constructed on this property for my own use and occupancy. This dwelling is to be occupied by myself and is not to be used for any purpose other than single family residential use. I attest that all construction, plumbing, or electrical work will be done, in whole or in part, by me or by subcontractors under my supervision, in accordance with all applicable laws; and, I further acknowledge that said new home is not covered under the New Home Warranty and Builders Registration Act (N.J.S.A. 46:3B-1 et seq.) and that such fact shall be disclosed to any person purchasing this property within ten years of the date of issuance of a certificate of occupancy.

I UNDERSTAND THAT IN MARKING BOX A, I ACKNOWLEDGE THAT I AM ASSUMING RESPONSIBILITY FOR THE WORK DONE ON SAID PROPERTY, THE CONDITION OF THE PROPERTY PRIOR TO, DURING, AND AFTER ANY WORK PERFORMED, AND FOR THE PERFORMANCE OF THE SUBCONTRACTORS I HIRE, EMPLOY, OR OTHERWISE CONTRACT OR WITH WHOM I MAKE AGREEMENTS TO PERFORM WORK. I AM VOLUNTARILY AND KNOWINGLY ASSUMING THIS RESPONSIBILITY.

- B. ☐ I further certify the following as required by the New Jersey Uniform Construction Code, N.J.A.C. 5:23-2.15(e)1.vii:

I personally prepared the plans submitted for: 1) the new home referred to in A., or, 2) an addition, alteration, renovation, or repair to an existing single family residence owned and occupied by myself and located on the property listed on Page 1; or, 3) a new structure that will be physically separate from, but that will be deemed part of, an existing single family residence that is owned and occupied by myself and located on the property listed on Page 1.

- C. ☐ I further certify that I will perform or supervise the following work:

C.1. ☐ Building C.2. ☒ Fire Protection

I further certify that I will perform the following work:

C.3. ☐ Electrical C.4. ☐ Plumbing

- D. ☐ I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I understand that if any of the above statements are willfully false, I am subject to punishment.

Signature

Date

3/29/05

II. AGENT SECTION (to be completed if the applicant is not the owner in fee)

I hereby certify the following as required by the Uniform Construction Code, N.J.A.C. 5:32-2.15(d): the proposed work is authorized by the owner in fee; and I have been authorized by the owner in fee to make this application as his agent.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I understand that if any of the above statements are willfully false, I am subject to punishment.

☐ Check if contractor.

Agent Name

SH Datagite

Address

3 Fernwood Ave

Edison NJ 08928

Telephone

(232) 225-7474

Signature

SH Datagite

III. ☐ LEAD HAZARD ABATEMENT: Include Homeowner or Building Owner Affidavit as per N.J.A.C. 5:17.

OFFICE DATE RECEIVED: _____

VIII. PRIOR APPROVALS CHECKLIST (office use only)	LOCAL APPROVAL		COUNTY APPROVAL		REGIONAL APPROVAL		STATE APPROVAL		COMMENTS
	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	
☐ Zoning Officer									
☐ Planning Board									
☐ Zoning Board									
☐ Sewer Authority									
☐ Water Authority									
☐ Police Department									
☐ Health Department									
☐ Soil Conservation									
☐ N.J. Department of Community Affairs									
☐ N.J. Department of Transportation									
☐ N.J. Department of Environmental Protection									
☐ Utility Dig No.									
☐									
☐									

IX. SUBCODES AND SPECIAL REGULATIONS APPLICABLE (office use only---optional)		Name of Code & Edition	
Building _____	Energy _____	Other _____	
Electrical _____	Barrier Free _____		
Plumbing _____	Flood Hazard _____		
Fire Protection _____	As Built Elevation Cert. _____		
Mechanical _____	Other _____		

X. CERTIFICATES ISSUED (office use only)	DATE ISSUED	DATE EXPIRED	DATE REISSUED	DATE EXPIRED
☐ Temporary Certificate of Occupancy	No. _____	_____	_____	_____
☐ Temporary Certificate of Compliance	No. _____	_____	_____	_____
☐ Continued Certificate of Occupancy	No. _____	_____	_____	_____
☐ Certificate of Compliance	No. _____	_____	_____	_____
☐ Certificate of Occupancy	No. _____	_____	_____	_____
☐ Certificate of Approval	No. _____	_____	_____	_____
☐ Lead Abatement Clearance Certificate	No. _____	_____	_____	_____

Constituent Contact Report

[illegible]

☐ Zoning Application deemed complete

Initialed: _____ Date: _____

☐ Zoning Application approved

Initialed: _____ Date: _____

☐ Zoning permit updates:



CONSTRUCTION PERMIT

Date Issued 04/21/2005
Control # C-05-133637
Permit # 05-1258

IDENTIFICATION Block: 1170 Lot: 18 Qualifier _____
Work Site Location: 425 JACK MARTIN BLVD. Brick Township, NJ Contractor _____
Address _____
Owner in Fee NORTHERN OCEAN HOSPITAL SYSTEM INC
Address 1350 CAMPUS PARKWAY NEPTUNE NJ 07753 Telephone: _____
Telephone: _____ Lic. No. or Bldrs. Reg. No. _____
Federal Employee No. _____

Is hereby granted permission to perform the following work:

- | | | |
|---|--|--|
| ☐ BUILDING | ☐ PLUMBING | ☐ LEAD HAZARD ABATEMENT |
| ☐ ELECTRICAL | ☒ FIRE PROTECTION | ☐ DEMOLITION |
| ☐ ELEVATOR DEVICES | ☐ ASBESTOS ABATEMENT
(Subchapter 8 only) | ☐ OTHER |

DESCRIPTION OF WORK:

FIRE SUPPRESSION ALTERATIONS

Note: If construction does not commence within one (1) year of date of issuance, or it construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work \$1,000

Construction Official _____ Date 04/21/2005

U.C.C. F170
equiv (rev 8/03)

INSPECTOR COPY

PAYMENTS (Office Use Only)

Building	\$0
Electrical	\$0
Plumbing	\$0
Fire Protection	\$219
Elevator Devices	\$0
Other	\$0.00
DCA Training Fee	\$1
CO Fee	
Other	\$0
Total	\$220
Check No.	3387
Cash	\$0
Credit	\$0
Collected By	Mary Jane Rinaldi



FIRE PROTECTION SUBCODE TECHNICAL SECTION

FD # 154706

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO. 1-800-272-1000.

Block 1170 Lot 18 Qualification Code _____
Work Site Location Brick Medical Center

Owner in Fee Maridivan Health
Address Jackmonte Blvd
Brick NJ

Tel () _____
Contractor S.H. DETHAS/ITE

Address 3 EERENWOOD AVE
BRICK NJ 08818

Tel (732) 225-7474 FAX (732) 2254554

Fire Protection Equipment, NJ Div of Fire Safety Permit No. _____
Fire Protection Equipment, NJ Div of Fire Safety Installer No. _____

Fire Alarm Contractor No. 22-2944655
Federal Emp. No. _____

B. FIRE PROTECTION CHARACTERISTICS

Use Group: Present _____ Proposed _____ Fire Alarm System: ☒ New or ☐ Existing
Constr. Class: Present _____ Proposed _____ Location of Panel: TELE ROOM ROOM
Heating System: ☐ New or ☐ Existing ☐ HVAC Fire Suppression/Standpipe System: _____
Type: ☐ Gas ☐ Oil ☐ Electric ☐ Solar ☒ New or ☐ Existing
☐ Other _____ Location of Main Control Valve: _____

Location: _____
Fuel Storage Tank: _____

Fuel Type: ☐ Flammable or ☐ Combustible Capacity _____
Total Cost of Fire Protection Work \$ _____

JOB SUMMARY (Office Use Only)

PLAN REVIEW	INSPECTIONS	Dates (Month/Day)
☐ No Plans Required	Type: _____	Failure Failure Approval Initial
☐ Joint Plan Review Required:	Alarm System _____	
☐ Building ☐ Plumbing	Suppression Sys. _____	
☐ Electric ☐ Elevator	Standpipe _____	
☒ Fire Plans Approved	Fire Pump _____	
Date: <u>4-1-05</u>	Pre-Eng. System _____	
Approved by: <u>[Signature]</u>	Mechanical _____	
SUBCODE APPROVAL	Smoke Control _____	
☐ CO ☐ COO ☐ CA	TCO _____	
Date: <u>11-16-04</u>	Flam/Combust Tanks _____	
Approved by: <u>[Signature]</u>	Fireplace Venting _____	
	Final _____	
	Other _____	



C. CERTIFICATION IN LIEU OF OATH
I hereby certify that I am the (owner/owner's agent/contractor) authorized to make this application.
Applicant's Signature/Contractor's Signature _____
Permit # _____
Date Issued _____
Control # _____

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK: Water Supply
Water Supply Source
Method of Alarm/Suppression System Supervision

Flammable/Combustible Tanks
Alarm Systems

☐ System
☐ 110V Interconnected 24VDC
☐ CO Detectors/110V
Alarm Devices (i.e., smoke, heat, pulls, water/flow)

Supervisory Devices (i.e., lamps, low/high air)
Signaling Devices (i.e., horns/strobes, bells)
Other Devices Full Stations

TOTAL
Suppression Systems
Fire Pump _____ GPM Type _____

Dry Pipe/Alarm Valves
Pre-action Valves
Sprinkler Heads (Dry and Wet)

Standpipes
Pre-engineered Systems
Wet Chemical

Dry Chemical
CO₂ Suppression
Foam Suppression
FM200 Suppression

Other _____
Other Systems
Kitchen Hood Exhaust System
Smoke Control System

Fired Appliances ☐ Gas or ☐ Oil
Fireplace Venting/Metal Chimney
Other _____

Administrative Surcharge \$	219
Minimum Fee \$	1
State Permit Surcharge Fee \$	
TOTAL FEE \$	220

Supervisory TEL Room -
- Alarm active Rm 200

Basement Room
relocate

Rm 200 supervisory

2
R
Rm - 200 - System
1st floor
not

1st floor

2nd

COMFEMMOJ

X present
decent case

PASS/FAIL Enclosure Integrity Report

CleanAgent 2001 retention time prediction program revision 2.3.2. Complies with NFPA 2001 Appendix C, year 2000 edition.

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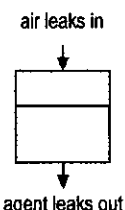
Software Licensed to: **S/H Datasite Protection Co Inc**

Building, Location **Ocean Hospital, Brick, New Jersey**

Company, Contact **Ocean Hospital, Steve**

Room name **IS Equipment Room** Test number **1**

Calibration Certificate # **524** Certificate created **2003/05/05**

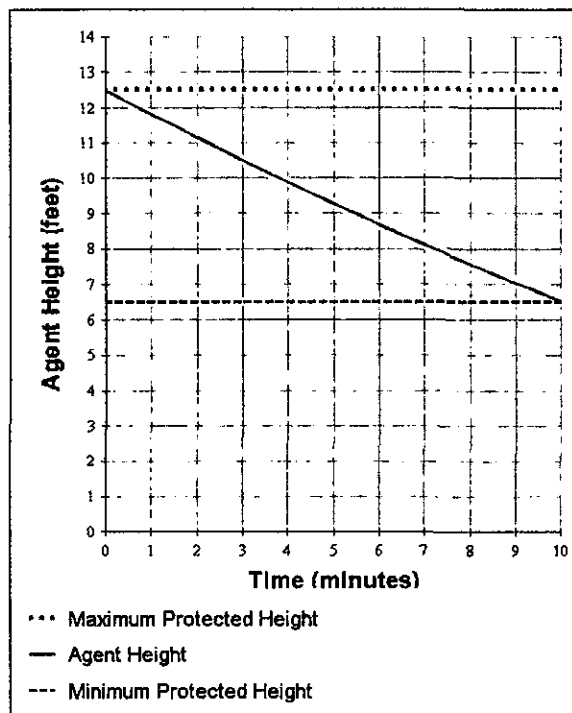


Test date/time	2005/08/22 09:55	Net protected volume, V	1,585 cu ft
Tester	Robert Bensetler	Maximum protected height, H _o	12.50 ft
Certified to Level:	2 - Single fan NFPA room test	Minimum protected height, H	6.50 ft
Signature		Static during retention, P _{SH}	0.0 Pa
Elevation above sea level	0 ft	Operating temperature	70 °F
Correction method	NFPA 2001 (2000) Formula A-3-5.3.3	Initial concentration, C	4.76%
Correction factor	1.00	Mixing during retention	No
Agent	FM200 (HFC227ea)	Agent quantity	36 lb
Total room leakage, ELA	0.52 sq ft	Minimum concentration, C _F	4.76%
Lower Leakage, BCLA	0.26 sq ft	Minimum retention time	10.0 minutes

Below ceiling leakage defaulting to worst case – 50% of total leakage.

This enclosure was tested in compliance with NFPA 2001 and 12A. Assuming no continual mixing during the retention period, enclosure leakage could allow sufficient agent to be lost to cause an air/agent interface to descend from a Maximum Protected Height of **12.50 ft** to the Minimum Protected Height specified of **6.50 ft**. The retention time would then be **10.1 minutes**, which exceeds the minimum retention time of **10 minutes**. The enclosure therefore **passes** this acceptance procedure.

Notes

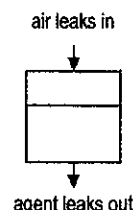


Witnesses

DOOR FAN TEST -- Total Room Leakage Data

CleanAgent 2001 retention time prediction program revision 2.3.2. Complies with NFPA 2001 Appendix C, year 2000 edition.
 By Retrotec, Inc, 2200 Queen Street, Bellingham, WA USA 98226 360-738-9835 www.retrotec.com
 Software Licensed to: **S/H Datasite Protection Co Inc**

Building, Location **Ocean Hospital, Brick, New Jersey**
 Company, Contact **Ocean Hospital, Steve**
 Room name **IS Equipment Room** Test number **1**
 Calibration Certificate # **524** Certificate created **2003/05/05**



Total Room Leakage

Operator Out of the room
 Smoke moves out of the room
 Static pressure 0 Pa
 Temperature during test (°F) 70 inside 70 outside

Depressurization		Range for room pressures: -10.8 to -13.8
Blower range	Room pressure	-15*
	Auto corrected RP	-14.5
Range 3	Flow pressure	70
	Auto corrected FP	71.5
Corrected flow (cu. ft./min.)		-344

* Room pressure is too high. Retention time may be 2% higher than predicted.

Pressurization		Range for room pressures: 10.8 to 13.8
Blower range	Room pressure	17.6*
	Auto corrected RP	17.1
Range 1.4	Flow pressure	130
	Auto corrected FP	133.5
Corrected flow (cu. ft./min.)		299

* Room pressure is too high. Retention time may be 5% higher than predicted.

	ELA sq. ft.	@Pa	F _A	Slope n	Intercept k ₁	Correlation	Standard Error	ELA sq. ft.	@Pa	F
Pressurization	0.57	14.5		0.5000	88.89	NA	NA			
Depressurization	0.46	17.1		0.5000	71.29	NA	NA			
Average	0.52	15.8	0.50	0.5000	80.09			0.52	10.0	0.50

Lower Leakage

Below ceiling leakage of **0.26** square feet @ 15.8 Pa is the worst case assumption of 50% of the total room leakage.

Technician: **Robert Bensetler** Certified to Level: **2 - Single fan NFPA room test**
Yes Level 1 – Fire enclosure design basics for improving agent retention and passive protection
Yes Level 2 – adds single door fan operation and NFPA clean agent retention time calculations
No Level 3 – adds double door fan operation for Lower Leak measurement
No Level 4 – adds multi-point ISO door fan operation and discharge pressure relief vent

PASS/FAIL Enclosure Integrity Report

CleanAgent 2001 retention time prediction program revision 2.3.2. Complies with NFPA 2001 Appendix C, year 2000 edition.

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Software Licensed to: **S/H Datasite Protection Co Inc**

Building, Location **Ocean Hospital, Brick, New Jersey**

Company, Contact **Ocean Hospital, Steve**

Room name **Tel Com Room Basement** Test number **1**

Calibration Certificate # **524** Certificate created **2003/05/05**

air leaks in



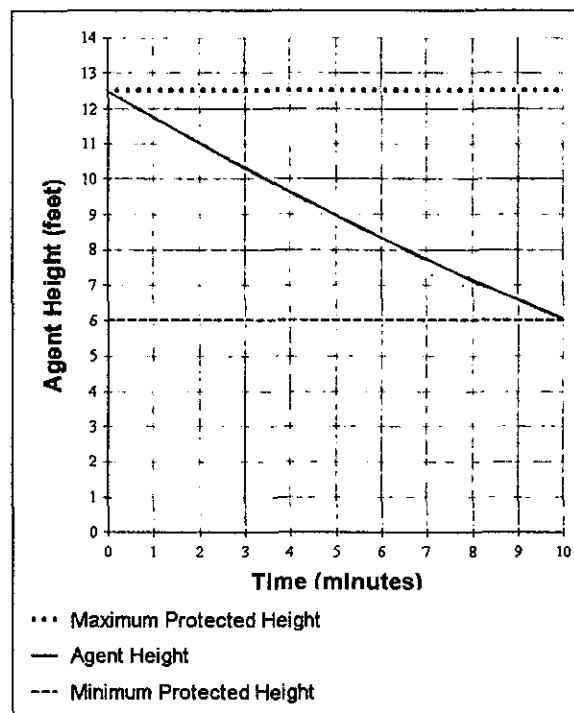
agent leaks out

Test date/time	2005/08/22 11:55	Net protected volume, V	2,854 cu ft
Tester	Robert Bensettler	Maximum protected height, H ₀	12.50 ft
Certified to Level:	2 - Single fan NFPA room test	Minimum protected height, H	6.00 ft
Signature		Static during retention, P _{SH}	0.0 Pa
Elevation above sea level	0 ft	Operating temperature	70 °F
Correction method	NFPA 2001 (2000) Formula A-3-5.3.3	Initial concentration, C	5.81%
Correction factor	1.00	Mixing during retention	No
Agent	FM200 (HFC227ea)	Agent quantity	80 lb
Total room leakage, ELA	0.94 sq ft	Minimum concentration, C _F	5.81%
Lower Leakage, BCLA	0.47 sq ft	Minimum retention time	10.0 minutes

Below ceiling leakage defaulting to worst case -- 50% of total leakage.

This enclosure was tested in compliance with NFPA 2001 and 12A. Assuming no continual mixing during the retention period, enclosure leakage could allow sufficient agent to be lost to cause an air/agent interface to descend from a Maximum Protected Height of **12.50 ft** to the Minimum Protected Height specified of **6.00 ft**. The retention time would then be **10.1 minutes**, which exceeds the minimum retention time of **10 minutes**. The enclosure therefore **passes** this acceptance procedure.

Notes



Witnesses

DOOR FAN TEST -- Graph

CleanAgent 2001 retention time prediction program revision 2.3.2. Complies with NFPA 2001 Appendix C, year 2000 edition.

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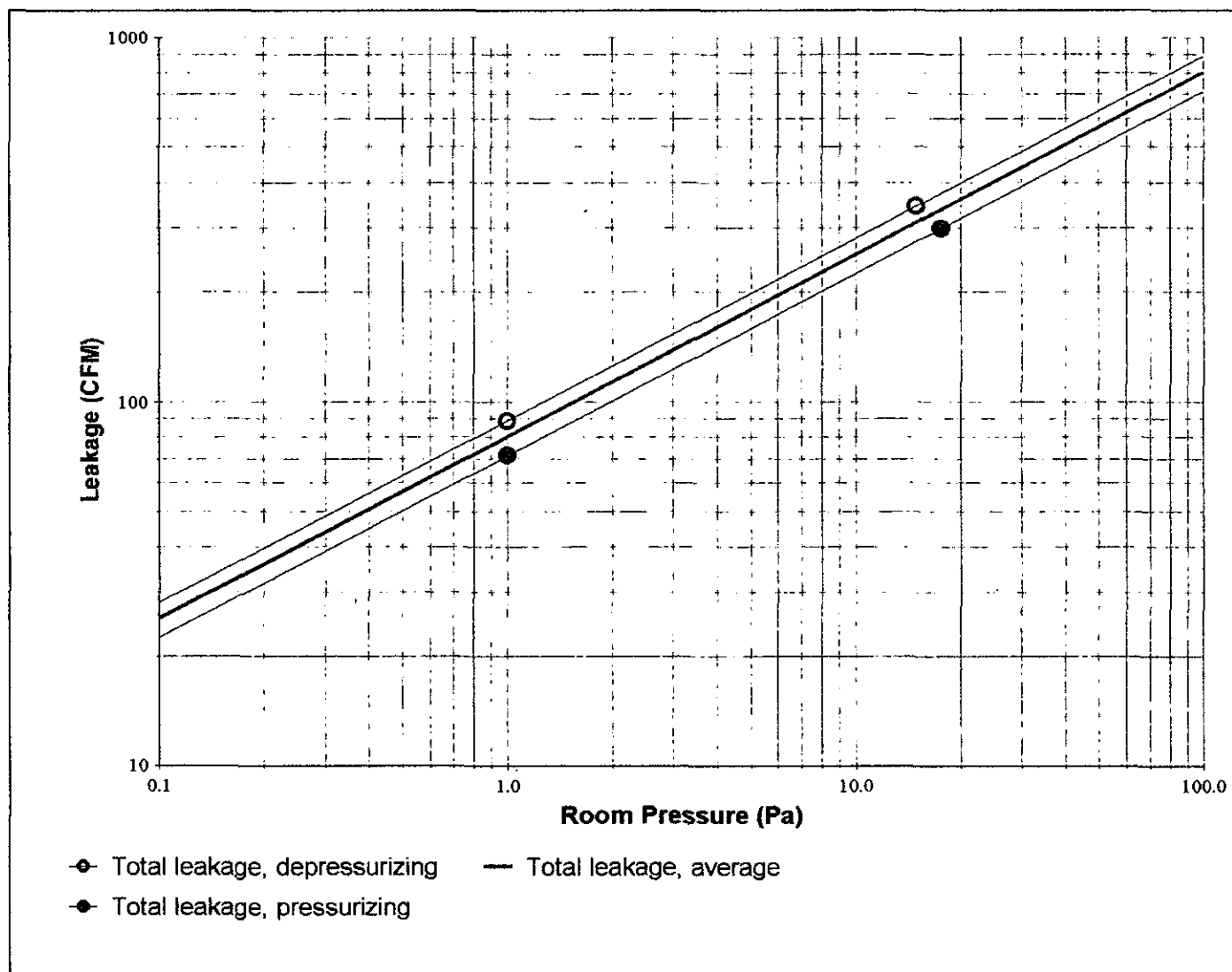
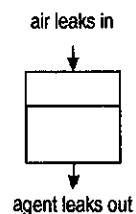
Software Licensed to: **S/H Datasite Protection Co Inc**

Building, Location **Ocean Hospital, Brick, New Jersey**

Company, Contact **Ocean Hospital, Steve**

Room name **IS Equipment Room** Test number **1**

Calibration Certificate # **524** Certificate created **2003/05/05**



DOOR FAN TEST -- Total Room Leakage Data

CleanAgent 2001 retention time prediction program revision 2.3.2. Complies with NFPA 2001 Appendix C, year 2000 edition.

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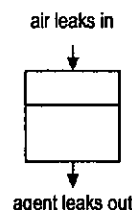
Software Licensed to: **S/H Datasite Protection Co Inc**

Building, Location **Ocean Hospital, Brick, New Jersey**

Company, Contact **Ocean Hospital, Steve**

Room name **Tel Com Room Basement** Test number **1**

Calibration Certificate # **524** Certificate created **2003/05/05**



Total Room Leakage

Operator Out of the room

Smoke moves out of the room Temperature during test (°F)
Static pressure 0 Pa 70 inside 70 outside

Depressurization		Range for room pressures: -13.2 to -16.2
Blower range	Room pressure	-18"
	Auto corrected RP	-17.5
Range 3	Flow pressure	205
	Auto corrected FP	208
Corrected flow (cu. ft./min.)		-607

* Room pressure is too high. Retention time may be 2% higher than predicted.

Pressurization		Range for room pressures: 13.2 to 16.2
Blower range	Room pressure	16
	Auto corrected RP	15.5
Range 3	Flow pressure	175
	Auto corrected FP	178
Corrected flow (cu. ft./min.)		588

	ELA sq. ft.	@Pa	F _A	Slope n	Intercept k ₁	Correlation	Standard Error	ELA sq. ft.	@Pa	F
Pressurization	0.92	17.5		0.5000	143.07	NA	NA			
Depressurization	0.95	15.5		0.5000	146.99	NA	NA			
Average	0.94	16.5	0.50	0.5000	145.03			0.94	10.0	0.50

Lower Leakage

Below ceiling leakage of **0.47** square feet @ 16.5 Pa is the worst case assumption of 50% of the total room leakage.

Technician: **Robert Bensetler** Certified to Level: **2 - Single fan NFPA room test**

- Yes** Level 1 – Fire enclosure design basics for improving agent retention and passive protection
- Yes** Level 2 – adds single door fan operation and NFPA clean agent retention time calculations
- No** Level 3 – adds double door fan operation for Lower Leak measurement
- No** Level 4 – adds multi-point ISO door fan operation and discharge pressure relief vent

DOOR FAN TEST -- Graph

CleanAgent 2001 retention time prediction program revision 2.3.2. Complies with NFPA 2001 Appendix C, year 2000 edition.

By Retrotec, Inc, 2200 Queen Street, Bellingham, WA USA 98226 360-738-9835 www.retrotec.com

Software Licensed to: **S/H Datasite Protection Co Inc**

Building, Location **Ocean Hospital, Brick, New Jersey**

Company, Contact **Ocean Hospital, Steve**

Room name **Tel Com Room Basement** Test number **1**

Calibration Certificate # **524** Certificate created **2003/05/05**

