

AMHERST COLLEGE
FIRE DETECTION / SUPPRESSION SYSTEM
100% Inspection Test

President's House
175 South Pleasant St

Date: ___/___/___

Time: _____

Narrative completed in accordance with the Building Code, 780 CMR 9

___ Amherst Fire Dept. received original on ___/___/___

___ Project Manager and EH&S received copies

Underground Mains / Connections flushed and tested by: _____ **on** ___/___/___

___ Amherst Fire Department received test results and NFPA form on ___/___/___

___ Project Manager and EH&S received copies

Above ground 200psi pressure test for piping (2 hours) completed by: _____ **on** ___/___/___

___ Amherst Fire Department received test results and NFPA form

___ Project Manager and EH&S received copies

Backflow Preventer Test approved by Authority Having Jurisdiction

___ Department of Public Works received original on ___/___/___

___ Project Manager and Plumbing Shop received copies

As-Built Plans provided to:

___ Amherst Fire Department

___ Project Manager

___ Electric Shop – Electric/Fire Alarm System w/Tube in Main Electrical Vault/Room

___ Plumbing Shop – Sprinkler System and Mechanical System

Test Representatives:

Company

Person(s)

General Contractor: _____ / _____

Designer / Engineer: _____ / _____

Electrical Contractor: _____ / _____

Generator Contractor: _____ / _____

Fire Alarm Contractor: _____ / _____

Elevator Contractor: _____ / _____

Sprinkler Contractor: _____ / _____

Amherst College Representatives: _____

Notes: _____

STREET ADDRESS (number) in place?

Y N
Y N
Y N

- Contrasting color (≥ 3")
- Placed on / or in close proximity to the door

SPRINKLER SYSTEM

Wet Sprinkler System Covers: _____

Dry Sprinkler System Covers: _____

Antifreeze Components (if any) include: _____

Sprinkler System Manufacturer(s)

Wet - _____

Dry - _____

Sprinkler System Location(s)

Wet - _____

Dry - _____

Sprinkler System (NFPA) 13

13D 13R

Hydraulically Calculated

Y N

How are valves supervised? Tamper

Chain and Padlock

Sprinkler Valve Signage

- ___ Hydraulic Calculations
- ___ Door to Sprinkler Control Valve Room
- ___ Inspectors Test(s)
- ___ Flow Switches
- ___ Tamper Switches
- ___ Ceiling Access Areas



Sprinkler Box with extra sprinkler heads (appropriate temperatures), including Sprinkler Wrench

Sprinkler head manufacturer and model numbers: Manufacturer: _____

- Student Rooms** _____ deg
- Offices** _____ deg
- Corridors** _____ deg
- Mechanical Rooms** _____ deg
- Electrical Rooms** _____ deg
- Attics / Penthouses** _____ deg
- Basements** _____ deg
- Lounges** _____ deg

Identify all areas where sprinkler head placement is questionable

Obstructed Inadequate

Pipe chases not properly sealed: _____

Sprinkler Piping not labeled: _____



FIRE DEPARTMENT CONNECTION

___ Properly located and identified (without obstructions)

___" above finished grade to center of cap / cover

___ Accessible and maintainable during winter months



Campus Fire Pump is connected to the fire suppression system for this building **Y** **N**

Company: _____ **Model Number:** _____

Location: _____

Diesel _____ Electric _____ Gas-LNG _____ Gas-LPG _____ Other: _____

GPM: _____

100% Test Pressure: _____ psi

150% Test Pressure: _____ psi

Sprinkler / Flow Switch Test from Sprinkler to activate Fire Pump

Jockey Pump Test

Activates at _____ psi at _____ sec **Supervisory Alarm** **Y** **N**

Fire Pump Test

Activates at _____ psi at _____ sec **Fire Alarm Transmitted** - Amherst College Campus Police

2" Drain Test

Splash Stone or other Water Erosion Control Method **Y** **N**

Drains into sanitary sewer within the basement **Y** **N**

Clean Water **Y** **N**

Pressure at time of clean water _____ **psi**

Comments: _____

Tamper Switch # 01 Locations: _____ seconds

Tamper Switch # 02 Locations: _____ seconds

Tamper Switch # 03 Locations: _____ seconds

Tamper Switch # 04 Locations: _____ seconds

Tamper Switch # 05 Locations: _____ seconds

Inspectors Test # 1 Location: _____ seconds

Inspectors Test # 2 Location: _____ seconds

Inspectors Test # 3 Location: _____ seconds

Inspectors Test # 4 Location: _____ seconds

Inspectors Test # 5 Location: _____ seconds

Comments / Notes: _____

Standpipe Cabinets / Connections

___ **Class I** (FD/Occupant) ___ **Class II** (Occupant Only) ___ **Class III** (FD Only)

Valves are Supervised **Y** **N**

Notes: _____

FIRE EXTINGUISHERS

Placement Completed **Y** **N**

Conspicuously Located **Y** **N**

- By which method: _____ **Placement** **Signage**

Properly tagged and dated **Y** **N**

FIRE DOOR(S)

Doors to stairwells properly close and latch **Y** **N**

Door frames and doors are properly listed and the labels are not painted over	Y	N
Doors that are not on smoke activated door closures have suitable vision panels	Y	N
Smoke activated Fire Doors all close on "Fire Alarm"	Y	N

STAIRWELL NUMBERS

Are numbers present in the stairwells	Y	N
Are the Braille numbers to the stairwells in compliance with ADA codes	Y	N

FIRE DAMPERS

Fire Dampers tested by EH&S, before ductwork installation on ___/___/___		
Fusible link replaced	Y	N
Are accessible for maintenance and testing	Y	N

EMERGENCY LIGHTING

Emergency Lighting	Battery Pack	Generator
In all areas of ≥ 50 people		Y N

Corridors ≥ 1 ft Candle @ Flr

Bathrooms

Common Areas

Mechanical Rooms

EMERGENCY GENERATOR

Emergency Generator Location: _____
 Transfer Switch Location: _____
 Transfers over to Emergency Power in _____ seconds

ELEVATOR

Sprinkler head in Elevator shaft/pit/mechanical room	Y	N
Smoke Detector in hoistway (if 90 deg elbow)	Y	N

High Temperature Exhaust in place and Operational	Y	N
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Smoke Detector in Mechanical Room	Y	N
"Flashing Hat" operational	Y	N
Fire Service (Phase I) operational	Y	N
Fire Service (Phase II) operational	Y	N
Primary Recall Floor _____	Secondary Recall Floor _____	

Medical Service Operational					Y	N
Does ALL signage meet code?	ADA	Bldg	Elevator		Y	N
Emergency Lighting is operational					Y	N
Emergency Phone in place and operational					Y	N
Phone operation instructions in place					Y	N
Do Not Use Elevator Signs are code compliant and on all floors					Y	N
Elevator Machine Room – No Storage Signage in place					Y	N
CO2 Fire Extinguisher in Elevator Machine Room					Y	N

FIRE ALARM SYSTEM

MANUFACTURER: _____ **MODEL #:** _____

FIRE ALARM PANEL LOCATION: _____

FIRE ALARM ANNUNCIATOR LOCATION: _____

Fire Alarm Installer: _____ Foreperson: _____

Simplex Technician: _____

Strobes Synchronized **Y** **N**
Fire Alarm **Class A wiring** **Class B wiring**

Boxes are all 42 to 54" AFF

70 dB at the pillow, 90 dB in Mechanical Rms. No area shall exceed 110dB

All room strobes are at proper candela (cd)

Preprogrammed Disable Points

1. City / ACPD Disconnect
2. Sprinkler System
3. Audio / Visual
4. Air Handlers (HVAC)
5. Door Holders
6. Panic Devices
7. Inergen System
8. Kitchen Suppression Systems

Visual Devices

Synchronized	Y	N
Stairs	A/V	V
Bathrooms	A/V	V
≤ 50' between devices in corridor	Y	N

Smoke Detectors

Are all ≤ 30' apart in the corridor for smooth ceilings	Y	N
All beams greater than 12" have smoke detection on both sides	Y	N
Smoke detectors are ≥ 4' from ceiling supply air diffusers	Y	N
Smoke detectors are ≥ 10' from wall supply air diffusers	Y	N
Smoke detectors are 4" from a wall or closed doors	Y	N
Smoke detectors are >4", but not more than 12" to top of detector on the wall	Y	N
Are all duct detectors accessible for maintenance purposes	Y	N

Bsmt

_____ Map# 1	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 2	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 3	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 4	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 5	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 6	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 7	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 8	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 9	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 10	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 11	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 12	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 13	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 14	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 15	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 16	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 17	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB

_____	Map# 18	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 19	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 20	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 21	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 22	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 23	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 24	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 25	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 26	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 27	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 28	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 29	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 30	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 31	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 32	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 33	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 34	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 140	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB

1st Floor

_____	Map# 35	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 36	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 37	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 38	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 39	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 40	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 41	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 42	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 43	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 44	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 45	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 46	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 47	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 48	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 49	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 50	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 51	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB

_____	Map# 52	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 53	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 54	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 55	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 56	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 57	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 58	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 59	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 60	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 61	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 62	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 63	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 64	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
<u>2nd</u> Floor											
_____	Map# 65	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 66	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 67	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 68	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB

_____ Map# 69	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 70	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 71	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 72	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 73	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 74	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 75	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 76	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 77	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 78	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 79	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 80	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 81	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 82	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 83	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 84	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 85	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____ Map# 86	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB

_____	Map# 87	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 88	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 89	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 90	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 91	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 92	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 93	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 94	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 95	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 96	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 98	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 99	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 100	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 139	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB

3rd Floor

_____	Map# 101	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 102	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB
_____	Map# 103	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____ dB

_____	Map# 104	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 105	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 106	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 107	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 108	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 109	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 110	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 111	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 112	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 113	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 114	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 115	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 116	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 117	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 118	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 119	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 120	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 121	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB

_____	Map# 122	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 123	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 124	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 125	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 126	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 127	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 128	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 129	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 130	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB

Attic

_____	Map# 131	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 132	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 133	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 134	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 135	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 136	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 137	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB
_____	Map# 138	H	P	S	Gen	Pre	Rm	Ver	A/V	V	_____	dB