

# FIRE ALARM LEGEND

Symbol	Description
	Smoke Detector
	Smoke Detector Analog addressable - E elevator recall
	Duct Smoke Detector
	Smoke Detector - local, strobe
	Smoke Detector - local, 120 VAC/VDC Tandem
	Combination Smoke/CO Detector - local, 120 VAC/VDC Tandem
	Heat Detector - Analog addressable ROR rate of rise, F-fixed temp > 135/190- temperature
	CO Detector, 24 VDC Ceiling mounted
	Pull Station - dual action addressable
	Horn/Strobe Unit
	Horn/Strobe Unit - "C" indicating ceiling mounted
	Horn/Strobe Unit - weatherproof
	Mini Horn
	Speaker Strobe Only
	Speaker Strobe Only - weatherproof
	Low Frequency Sounder with Strobe
	Low Frequency Sounder
	Strobe Only Unit
	Strobe Only Unit - weatherproof
	Strobe Only Unit - ceiling mounted
	Exterior Beacon
	Mini Monitor Module
	Supervised Addressable Zone Module
	Flow Switch
	Tamper Switch
	Pressure Switch
	Power Supply
	Fire Alarm Control Panel
	Remote Annunciator
	Emergency Voice Evacuation Control Panel
	Remote Test Station
	Remote Alarm Indicator
	Six Relay Module
	Key Box
	Addressable Relay Module
	Radio Box
	Monitor Module
	Bell
	Isolation Module
	Ditek-120hw Surge Arrestor
	Control Module
	EOLR
	Master Box

# FIRE ALARM GENERAL NOTES

1. FIRE ALARM INSTALLATION SHALL COMPLY WITH ALL LOCAL CODES AND REGULATIONS AND BE INSTALLED ACCORDING TO MANUFACTURERS INSTRUCTIONS.
2. ALL FIRE ALARM RACEWAY SIZES AND CIRCUITRY REQUIREMENTS SHALL BE IN ACCORDANCE WITH APPLICABLE CODES AND MANUFACTURERS RECOMMENDATIONS
3. PROVIDE 120V 20A DEDICATED CIRCUIT TO CONTROL PANELS, POWER SUPPLIES, ETC AS NEEDED. CIRCUIT BREAKERS SHALL BE EQUIPPED WITH LOCKS TO PREVENT ACCIDENTAL SHUT OFF AND BE CLEARLY MARKED "FIRE ALARM CIRCUIT"
4. WIRING SHALL BE COLOR CODED ACCORDING TO ALL APPLICABLE CODES AND SHALL BE MAINTAINED THROUGHOUT THE ENTIRE SYSTEM
5. ALL WIRING SHALL BE CHECKED AND TESTED TO ENSURE THERE ARE NO OPEN OR GROUND CONDITION PRIOR TO ENERGIZING SYSTEM
6. ALL STROBES SHALL BE SYNCHRONIZED AT THE END OF CONSTRUCTION
7. SMOKE DETECTORS HEADS SHALL NOT BE INSTALLED UNTIL AFTER THE CONSTRUCTION CLEANUP OF ALL TRADES IS COMPLETE AND FINAL IN ACCORDANCE WITH NFPA 72

Input / Output Matrix

Device	1	2	3	4	5
Manual Pull Station	X	X	X	X	
Panel Smoke Detector	X	X	X	X	
Battery or FACP problem		X		X	X

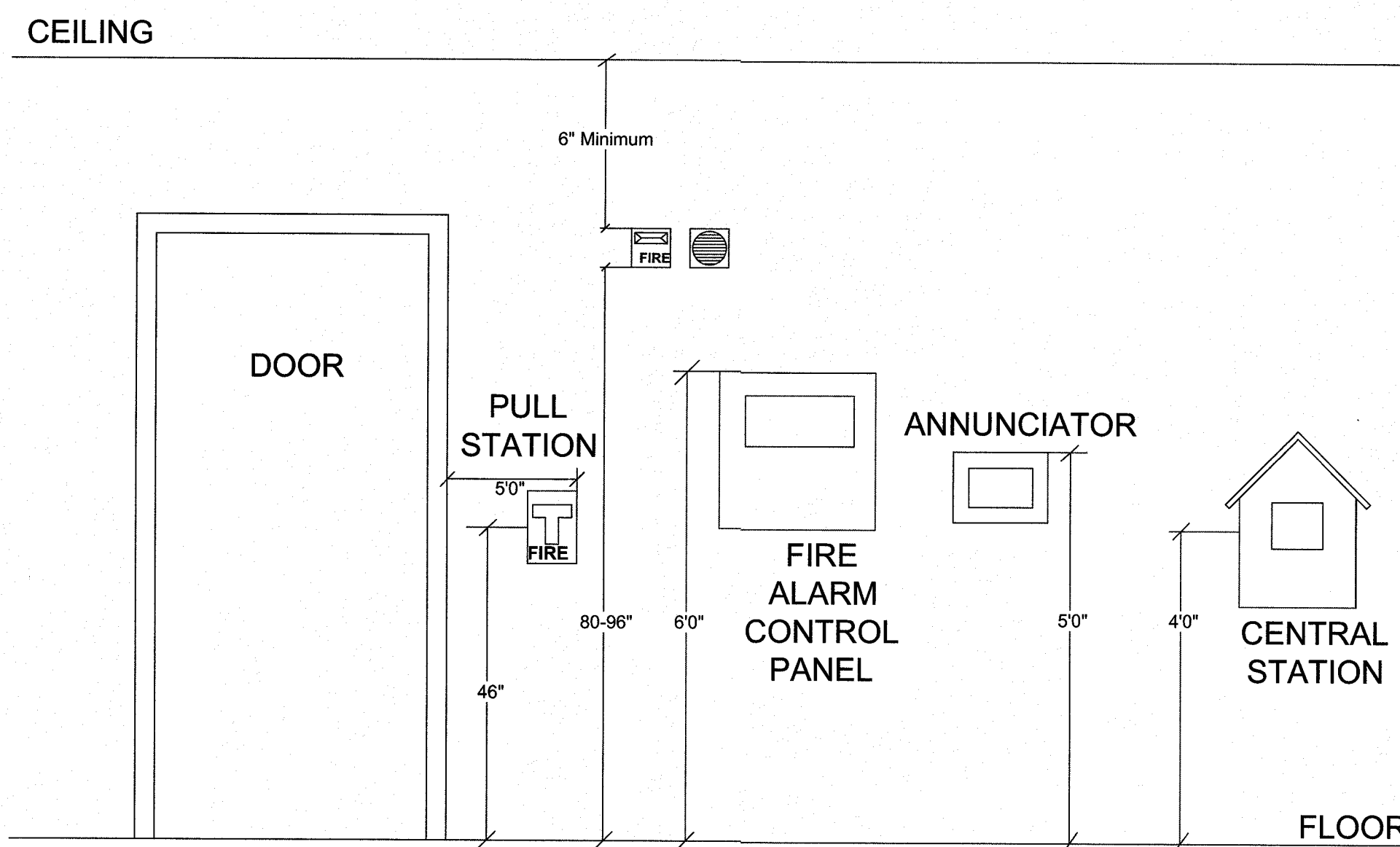
- 1) Sound interior and exterior horn / strobes
- 2) Report to Monitoring Center
- 3) Monitoring Center to dispatch PFD & call customer contact person
- 4) Sound local panel piezo
- 5) Monitoring Center to call customer contact person

Scope Of Work

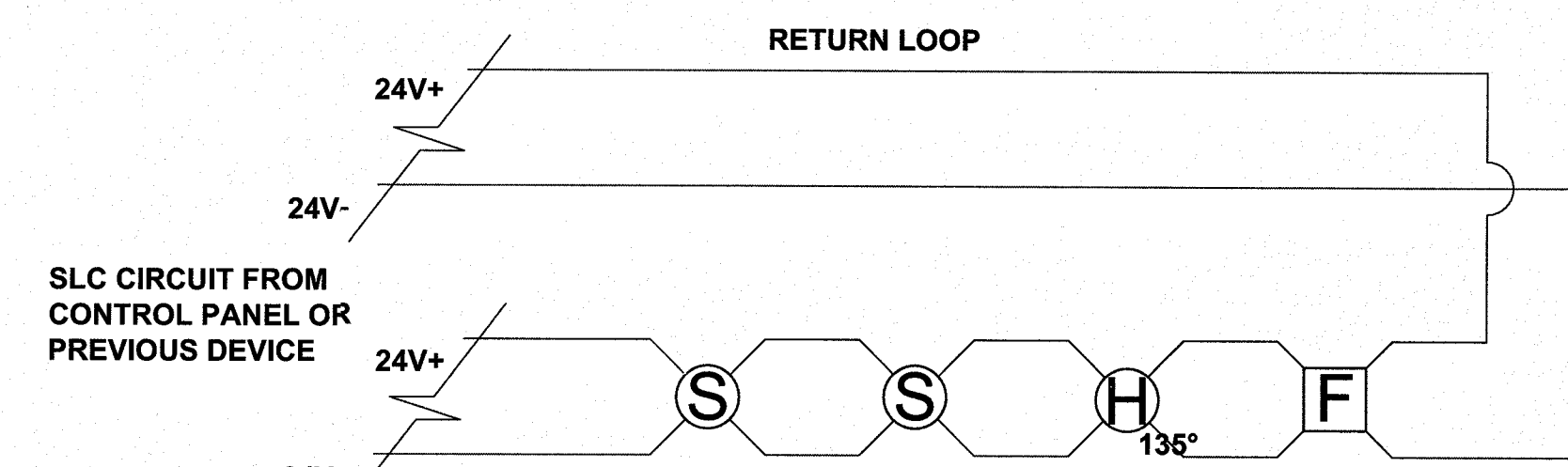
Install a new addressable Firelite MS9050UD fire alarm control panel (FACP) within an existing apartment building to monitor the new building fire alarm pull stations and panel smoke detector. Electrical contractor to pull installation permit, run all wire and connect field devices. Additionally the electrical contractor will be installing interconnected hard wired smoke detectors to work independently from the proposed fire alarm system. Dean & Ally, Inc to pull a low voltage permit, wire panel, program and test this new fire alarm panel. This system is to be monitored 24/7 by a monitoring center of the customer's choice.

General Notes

- > Dean & Allyn, Inc to provide drawings, obtain low voltage permit, supply devices, perform panel programming and acceptance testing.
- > Electrical contractor to pull electrical permit, supply and run all wiring as well as assist with pre-test of the installed fire alarm system.
- > Electrical contractor to run 120vac power to the new panel. 1 single 20amp breaker required.
- > Electrical contractor to run 2 phone lines to the panel for the purpose of monitoring the system.
- > All wiring installed below 7' from the finished floor to be concealed within the walls or run within conduit.
- > All fire alarm wiring to be 16/2 U.N.O.
- > Fire alarm document cabinet will be installed at the fire alarm control panel
- > All lockable devices to be keyed alike
- > **Do not power up fire alarm panel until Dean & Allyn, Inc technician is onsite**



**EXAMPLE OF FIRE ALARM DEVICE MOUNTING HEIGHTS**



**TYPICAL CLASS "A" SIGNAL CIRCUIT WIRING**

CONTRACTOR:

**DEAN & ALLYN, INC.**  
FIRE PROTECTION - SPECIAL HAZARD

NO.	REVISION/ISSUE	DATE

PROJECT NAME  
15-17 SHERMAN STREET  
PORTLAND, ME

FILE  
15-17 Sherman St\_f01.DWG

DRAWN BY  
N.B.F.

DATE  
4/19/16

CHECKED BY  
G.J.E.

DATE  
4/19/16

SCALE  
N/A

SHEET

**FA-0**

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