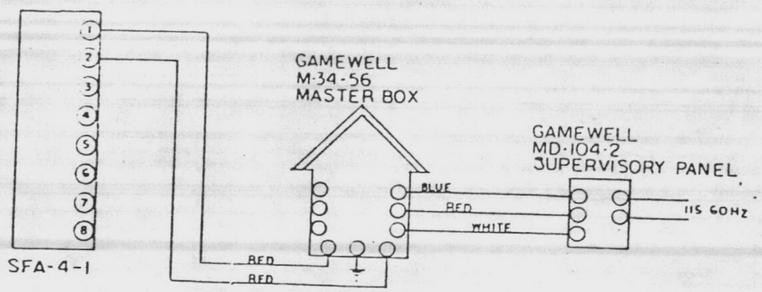
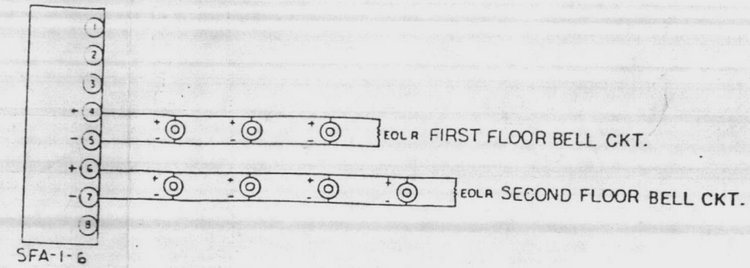
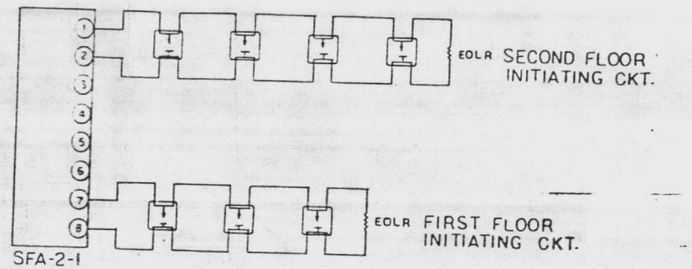
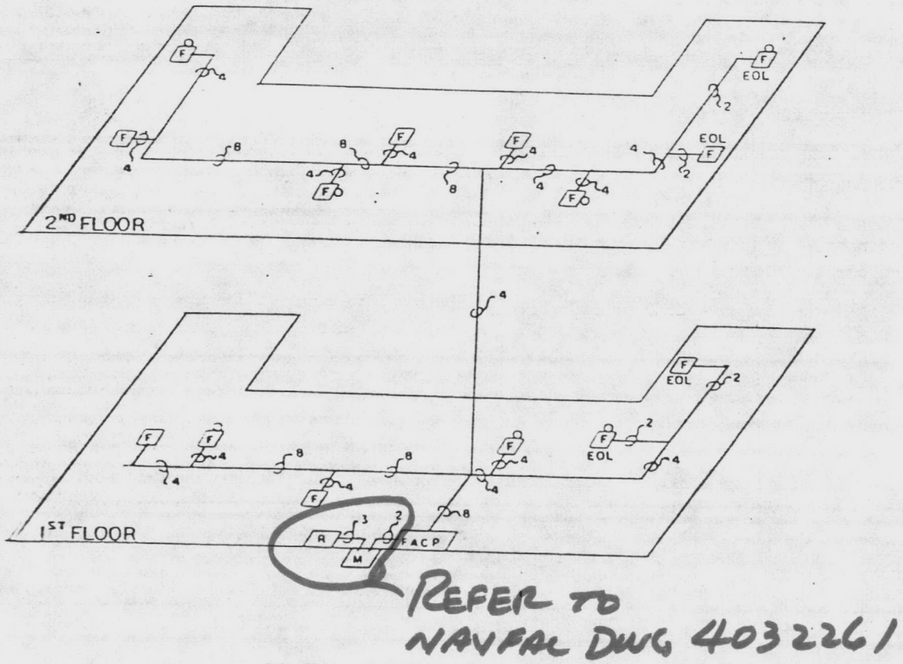
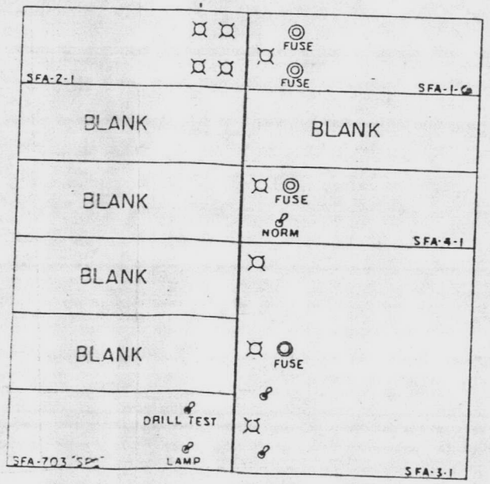








CONDUIT RISER



CONTROL PANEL
FACP

— SFA-10-2 PULL STATION

— SAU 3-3 10" 24VDC POLARIZED BELL

EOL — END OF LINE RESISTOR

ALL WIRE IS #16 AWG STRANDED

SET/7000
Fire Alarm System Operation

The operation of any manual fire alarm station will cause all alarm bells to sound continuously until the actuated device is restored to normal and the control panel "RESET" switch is operated. An alarm or system trouble will also cause the control panel trouble buzzer to sound and the trouble indicator to light. The buzzer may be silenced at the control panel. When the trouble has been cleared or the alarm initiating device restored to normal the trouble buzzer will again sound until the silencing switch is restored to the "NORMAL" mode.

The Fire Alarm System (SET/7000) is designed to meet the Firesafety requirements of this building. The control panel modules are of solid state construction to ensure low operating temperatures, long life and circuit reliability. The control cabinet is the control center for all the fire alarm system peripheral equipment such as alarm signals and initiating devices. The control panel modules are rack mounted, plug-in units each performing a particular function.

SFA-3-1 Power Supply Module is the basic power supply providing supervisory and operating current to the other modules (24vdc) and operates off 2-wire, 120 VAC 60 Hz service. This module contains a green "Power On" indicator, "Ground" indicator, ""Reset" switch and a "Trouble" silencing switch with amber "Trouble indicator. Illumination of the "Ground" indicator denotes a ground on the fire alarm system. This same fault also causes the trouble buzzer to sound and the "Trouble" indicator to illuminate. Until the fault is corrected the trouble buzzer may be silenced by means of the "Trouble" silencing switch, the "Trouble" and the "Ground" indicator will remain illuminated until the fault is corrected at which time the "Ground" indicating lamp will extinguish and the buzzer will again sound until the silencing switch is returned to the normal standby position. The Power Supply Module also has provisions for the connection of an optional remote trouble signal. The function of the panel "Reset" switch is to restore the control panel to normal stand-by condition after an alarm on the system.

SFA-2-1 Initiating Circuit Module provides connection for two circuits of parellel connected non-coded initiating devices with normally open contacts.

Each initiating circuit module contains a red "Alarm" indicator and an amber "Trouble" indicator for each circuit, to provide identification of an alarm or trouble and the circuit on which it was initiated. Circuit alarm or trouble will cause the system trouble indicator and buzzer to sound.

SFA-1-6 Signal Circuit Module provides for the connection of two circuits of parallel alarm signal devices. Each circuit is separately fused and there is an amber indicator lamp on the module face panel to indicate alarm circuit trouble or alarm.

SFA-703 Program Module provides the interfacing of initiating modules, signal circuit modules, function and optional modules to obtain the desired system performance. The module is generally factory programmed but can be field programmed if required, for system modifications. The module also contains a momentary Lamp Test switch that when activated causes system supervised lamp indicators to illuminate.
A "Drill Test" switch is provided to sound all alarm bells for drill purposes without placing the system in the alarm condition.

Supervision

Alarm signal and alarm initiating circuits are electrically supervised. Any open or ground fault will cause the system trouble buzzer to sound and the trouble indicator to illuminate.

SFA-4-1 City Trip Module serves to provide local fire alarm system alarm activation of a city master box. Both modules have a disconnect switch and indicator which when moved to the "Disconnect" position will cause the system trouble buzzer to sound and the module indicator to illuminate. The disconnect switch serves to prevent an alarm from tripping the city master box and would primarily be used during a planned fire drill or fire alarm system test.

DRAWING TITLE: FIRE ALARM SYSTEM	REFERENCE DRAWINGS / NO / REVISION — LOCATION / ECN / DATE / BY		
PROJECT: BUILDING #3 CAMP LEJEUNE, N.C.	SALES ENGR: WWHITAKER / APPLICATION ENGR: ED GUY / DRAWN: BY / DATE: 5 27 77 / APPROVED: BY / DATE		
JOHNSON CONTROLS Systems & Services Division	JCI 4304 MARKET ST. WILMINGTON, N.C.	CONTRACT NUMBER: 7129-2003	DRAWING NUMBER: 1 OF 1