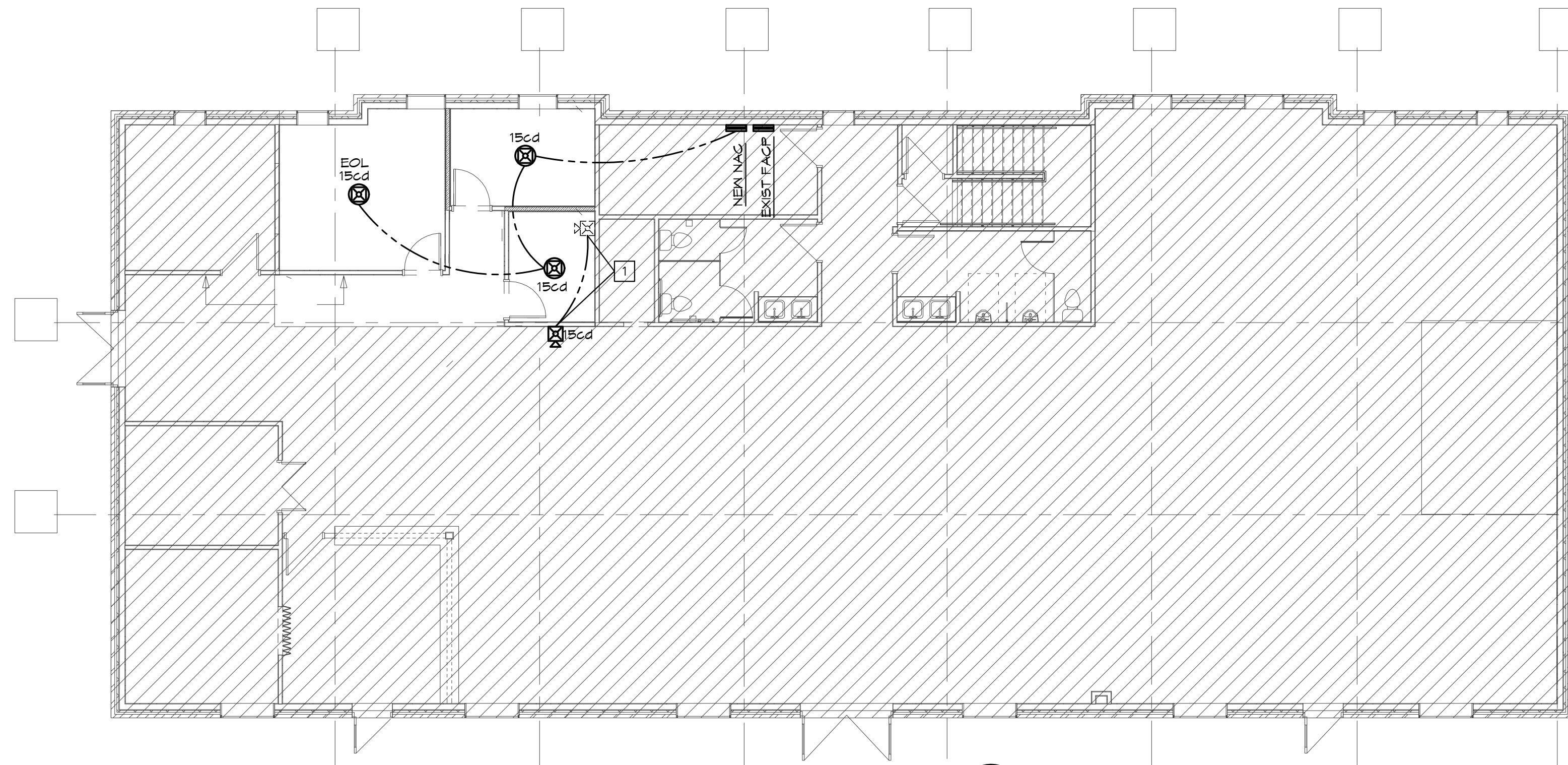


**MAIN LEVEL FIRE ALARM PLAN**  
SCALE: 1/8" = 1'-0"



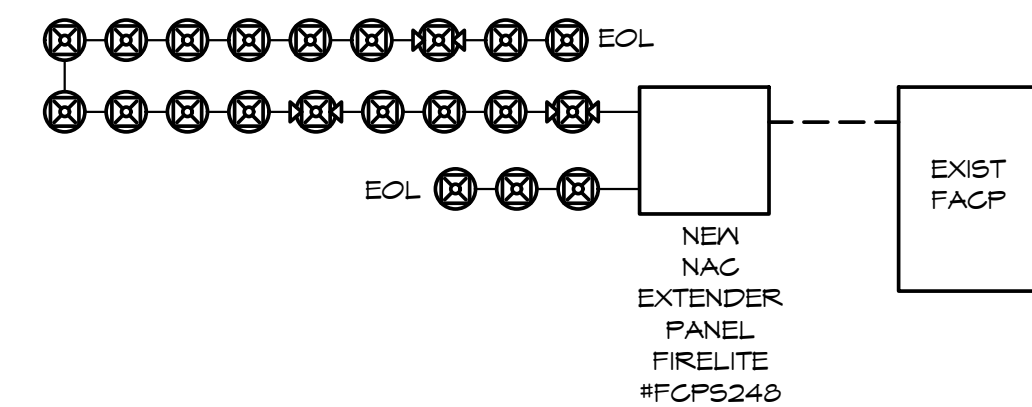
**LOWER LEVEL FIRE ALARM PLAN**  
SCALE: 1/8" = 1'-0"

**FIRE ALARM PLAN NOTES:**  
1 RELOCATE EXISTING NOTIFICATION DEVICE AS INDICATED. EXTEND EXISTING WIRING AND RECONNECT TO EXISTING NAC CIRCUIT.

FIRE ALARM SYMBOLS LIST	
	FIRE ALARM CONTROL PANEL - EXISTING
	FIRE ALARM NAC POWER SUPPLY - FIRELITE #FCPS24S
	FIRE ALARM MANUAL PULL STATION, CENTERLINE AT 48" AFF
	FIRE ALARM HORN/STROBE COMBINATION SIGNAL, CEILING MOUNTED - GENTEX #GCC24CR
	FIRE ALARM VISUAL STROBE, CEILING MOUNTED - GENTEX GC24CR
	RELOCATED FIRE ALARM HORN/STROBE, CENTERLINE AT 6'-8" AFF

**FIRE ALARM GENERAL NOTES:**

- SYSTEM WIRING SHALL BE 14/2 SOLID FPLP FOR NOTIFICATION APPLIANCE CIRCUITS



**FIRE ALARM RISER DIAGRAM**  
SCALE: NONE

Jobsite Information:

**FCPS-24FS6 / 8 Battery Calculation**

Entries only to be made in the Yellow cell locations

**Regulated Load in Standby**

Device Type	Number of Devices		Current (Amps)		Total Current (Amps)
Main PC Board	1	X	0.065	=	0.065
Power Supervision Relays	0	X	0.025	=	0
Auxiliary Current Draw from TB4 Terminals 9 & 10	0	X		=	0
STANDBY LOAD					0.065

**Regulated Load in ALARM**

Device Type	Number of Devices		Current (Amps)		Total Current (Amps)
Main PC Board without AC	1	X	0.145	=	0.145
Power Supervision Relays		X	0.025	=	0
Auxiliary Current Draw from TB4 Terminals 9 & 10		X		=	0
NAC / Output # 1	3	X	0.097	=	0.291
NAC / Output # 2	18	X	0.097	=	1.746
NAC / Output # 3		X		=	0
NAC / Output # 4		X		=	0
ALARM LOAD					2.182

**Battery Amp Hour Calculation**

Standby Load Current (Amps)	0.065	X	Required Standby Time (Typically 24 or 60 Hours)	24	=	1.56 AH
Alarm Load Current (Amps)	2.182	X	Required Alarm Time (Typically 5 or 10 Minutes)	10	=	0.36 AH
Sub Total Standby / Alarm Amp Hours						1.92 AH
Multiply by the Derating Factor					X	1.2
Total Ampere Hours Required						3 AH

\* Derating Factor required to compensate for the non-linear discharge characteristic of a battery.

**BC**

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PE COA #2009003629

6/25/2020



BC PROJECT #20512

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FIRE ALARM MODIFICATIONS FOR:

SHINIG LIGHT MUSIC

616 W 3RD ST.  
LEE'S SUMMIT, MO

ISSUE DATE:

6-25-2020

REVISION:

SHEET TITLE

FIRE ALARM PLAN

**FA1**