

-IEL-LIC-002998

Scale: 1/4" = 1'

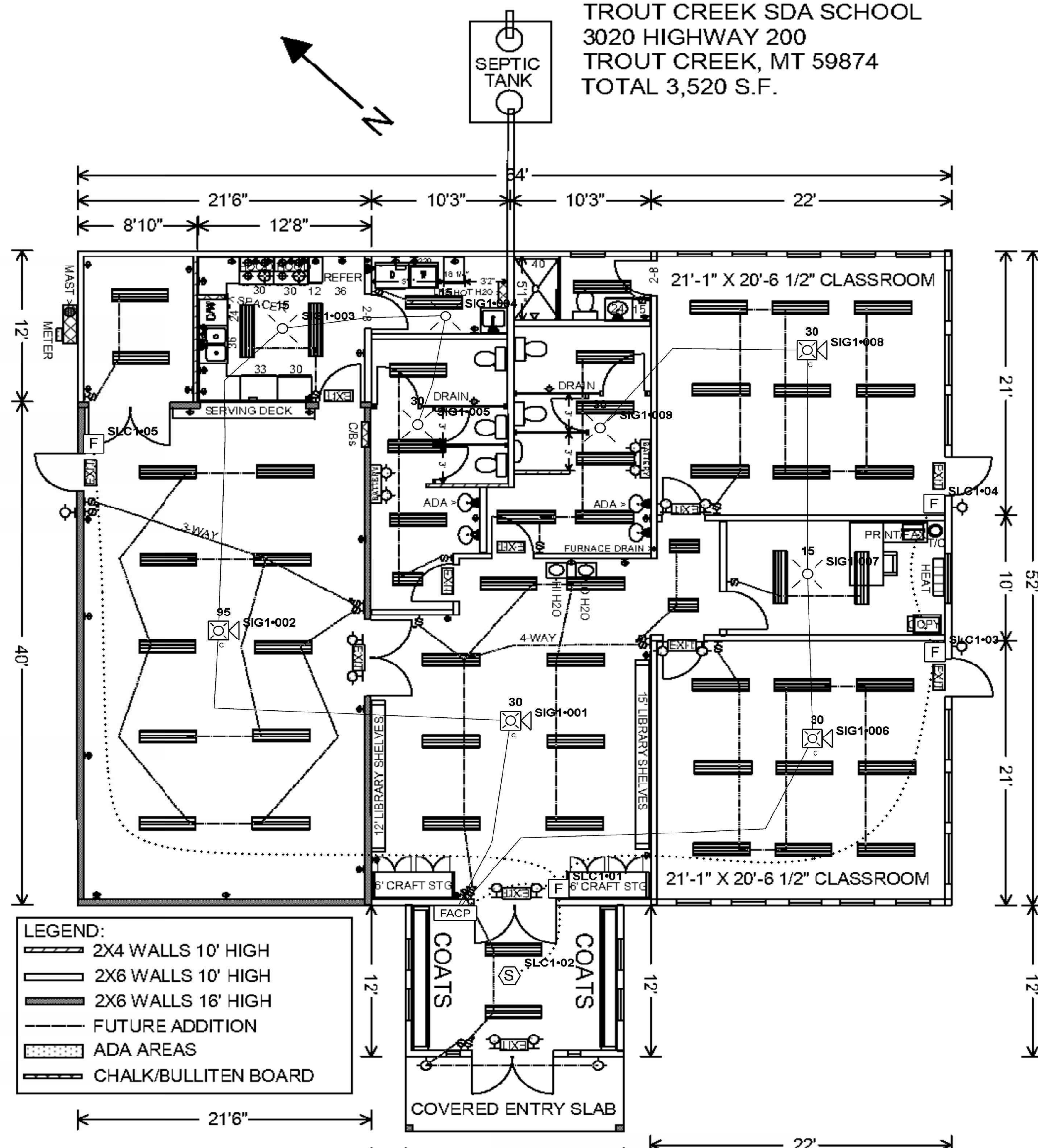
Project No: 38152695
Drawn By: CODY WITT
Checked By: CLIFF GILLIAM
Date: 12/19/2024

SHEET 4

4. Signaling line circuits 16 AWG FPLR or FPLP free run secured/supported every 4-6 feet.



Fire alarm shown with lighting plan for device location coordination.



LEGEND:

-  2X4 WALLS 10' HIGH
 2X6 WALLS 10' HIGH
 2X6 WALLS 16' HIGH
 FUTURE ADDITION
 ADA AREAS
 CHALK/BULLITEN BOARD

OWNER BUILD
1 STORY WITH 3,520 S.F.
2 X 6 FRAME CONSTRUCTION
BUILDING COMMITTEE CHAIRMAN
ANDREW BOKOV (425) 208-5894

900 Kestrel Drive STE 8
Missoula, MT 59808.
FPL-BEL-LIC-002300

PL-IEL-LIC-002998

TROUT CREEK SDA SCHOOL
3020 HWY 200
TROUT CREEK, MT 59874



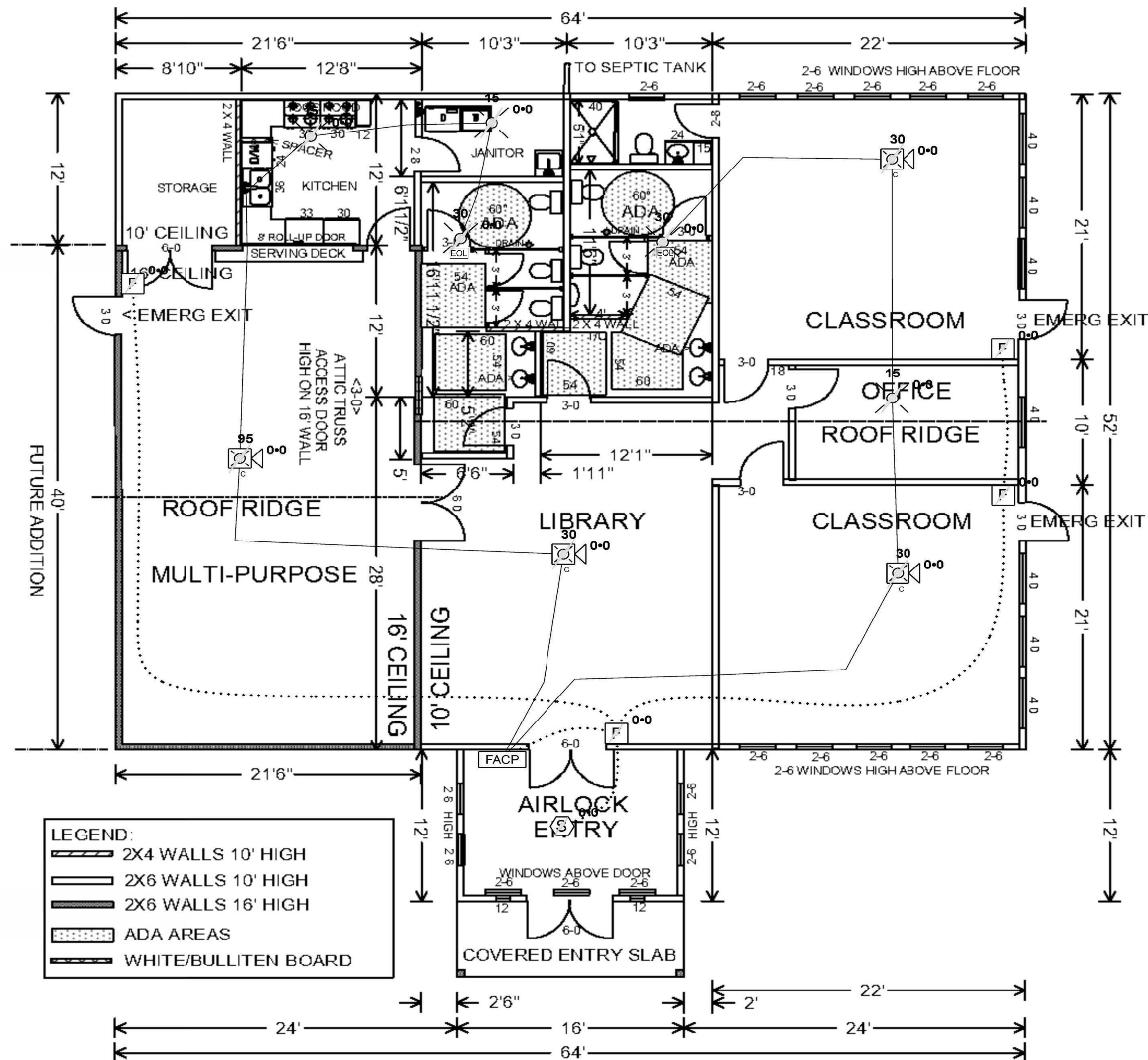
Scale: $1/4" = 1'$

[illegible]

Project No: 38152695
Drawn By: Cody Witt
Checked By: Cliff Gilliam
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FA-02

SHEET 4

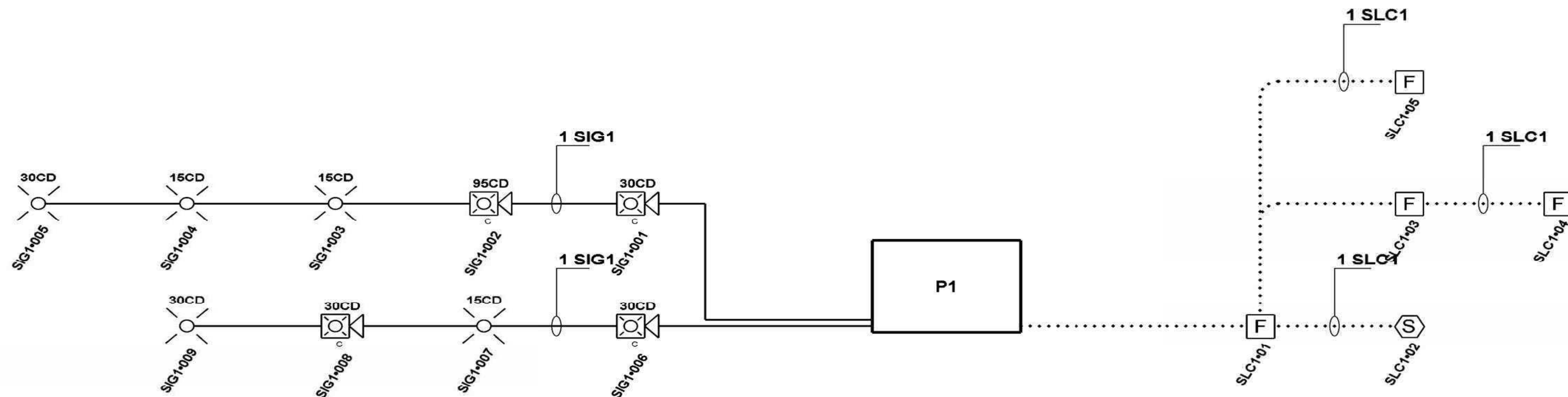


Fire alarm shown on base floorplan for clarity

Symbol Legend											
SYMBOL	DESCRIPTION	MANUFACTURER	PART NUMBER	MODEL	QUANTITY	BACKBOX REQUIREMENTS	MOUNTING HEIGHT	PROVIDED BY	INSTALLED BY	UL	FM
	AFC-50, FACP, 50 POINT, 2 NACs	POTTER ELECTRIC SIGNAL	AFC-50	AFC-50	2		68" AFF to top	Hiller	Owner		
	PHOTOELECTRIC SMOKE DETECTOR	POTTER ELECTRIC SIGNAL	PAD300-PD	PAD300-PD	2	SG	Ceiling	Hiller	Hiller		
	STROBE, CEILING, WHITE	SYSTEM SENSOR	SCWLED	SCWLED	6	SG	Ceiling	Hiller	Hiller	N/A	N/A
	STROBE, CEILING, WHITE	SYSTEM SENSOR	SCWLED	SCWLED	4	SG	Ceiling	Hiller	Hiller	N/A	N/A
	2-WIRE, HORN STROBE, CEILING, WHITE	SYSTEM SENSOR	PC2WLED	PC2WLED	2	SG	Ceiling	Hiller	Hiller	N/A	N/A
	2-WIRE, HORN STROBE, CEILING, WHITE	SYSTEM SENSOR	PC2WLED	PC2WLED	6	SG	Ceiling	Hiller	Hiller	N/A	N/A
	ADDRESSABLE PULL STATION, DUAL ACTION	POTTER ELECTRIC SIGNAL	PAD100-PSDA	PAD100-PSDA	8	SG	48" AFF to top	Hiller	Hiller		

Battery Calculations for Panel: P1						
Part No:AFC-50 - AFC-50, FACP, 50 POINT, 2 NACs						
Job number: 1 Job name: Drawing2						
Part No.	Qty.	Description	Standby	Total Standby	Alarm	Total Alarm
		Panel Equipment				
AFC-50_MB	1	AFC-50_MB	130.0000mA	130.0000mA	200.0000mA	200.0000mA
			Total Panel Stby	130.0000mA	Total Panel Alarm	200.0000mA
		Peripheral Devices				
SCWLED	3	STROBE, CEILING, WHITE (Notification)	0.0000mA	0.0000mA	18.0000mA	54.0000mA
SCWLED	2	STROBE, CEILING, WHITE (Notification)	0.0000mA	0.0000mA	22.0000mA	44.0000mA
PC2WLED	1	2-WIRE, HORN STROBE, CEILING, WHITE (Nctification)	0.0000mA	0.0000mA	92.0000mA	92.0000mA
PC2WLED	3	2-WIRE, HORN STROBE, CEILING, WHITE (Nctification)	0.0000mA	0.0000mA	38.0000mA	114.0000mA
PAD300-PD	1	PHOTOELECTRIC SMOKE DETECTOR (Signaling line)	0.3000mA	0.3000mA	0.3000mA	0.3000mA
PAD100-PSDA	4	ADDRESSABLE PULL STATION, DUAL ACTION (Signaling line)	0.2000mA	0.8000mA	0.2000mA	0.8000mA
			Total Peripheral Stby	1.1000mA	Total Periph Alarm	305.1000mA
			Total Standby Amps	131.1000mA	Total Alarm Amps	505.1000mA
			Standby time: 24 Hrs		3.146Ah	
			Alarm time: 5 Min		0.042Ah	
			Battery requirement:		3.188Ah	
Compensation Factors - Standby: 1.2 Alarm: 1.2			Requirement with compensation:		3.826Ah	

Cable/Circuit Report												
Job number: 1 Job name: Drawing2												
Cable Length Overage: 10%												
Source	Card	Circuit	Circuit Type	Circuit Abbr	Wiring Style	Manufacturer	Part No.	Type	Description	Gauge	Length	Color
P1	00	SIG1	Notification	V1	Class B	GENESIS (HONEYWELL CABLE)	43131004	Fire Alarm	14/2 SOL JKT FPLR 1M RL RED	#14	430'-0	Red
P1	00	SLC1	Signaling line	U	Class B	GENESIS (HONEYWELL CABLE)	43061004	Fire Alarm	18/2 SOL JKT FPLR 1M RL RED	#18	320'-0	Red



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3 SHEET 4
OF

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#	Date	Issue / Description	Init.

Project No: 38152695
Drawn By: Cody Witt
Checked By: Cliff Gilliam
Date: 12/19/24

FA-04

4 SHEET
OF 4

