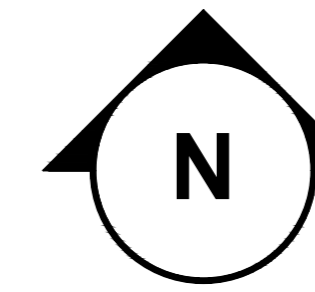
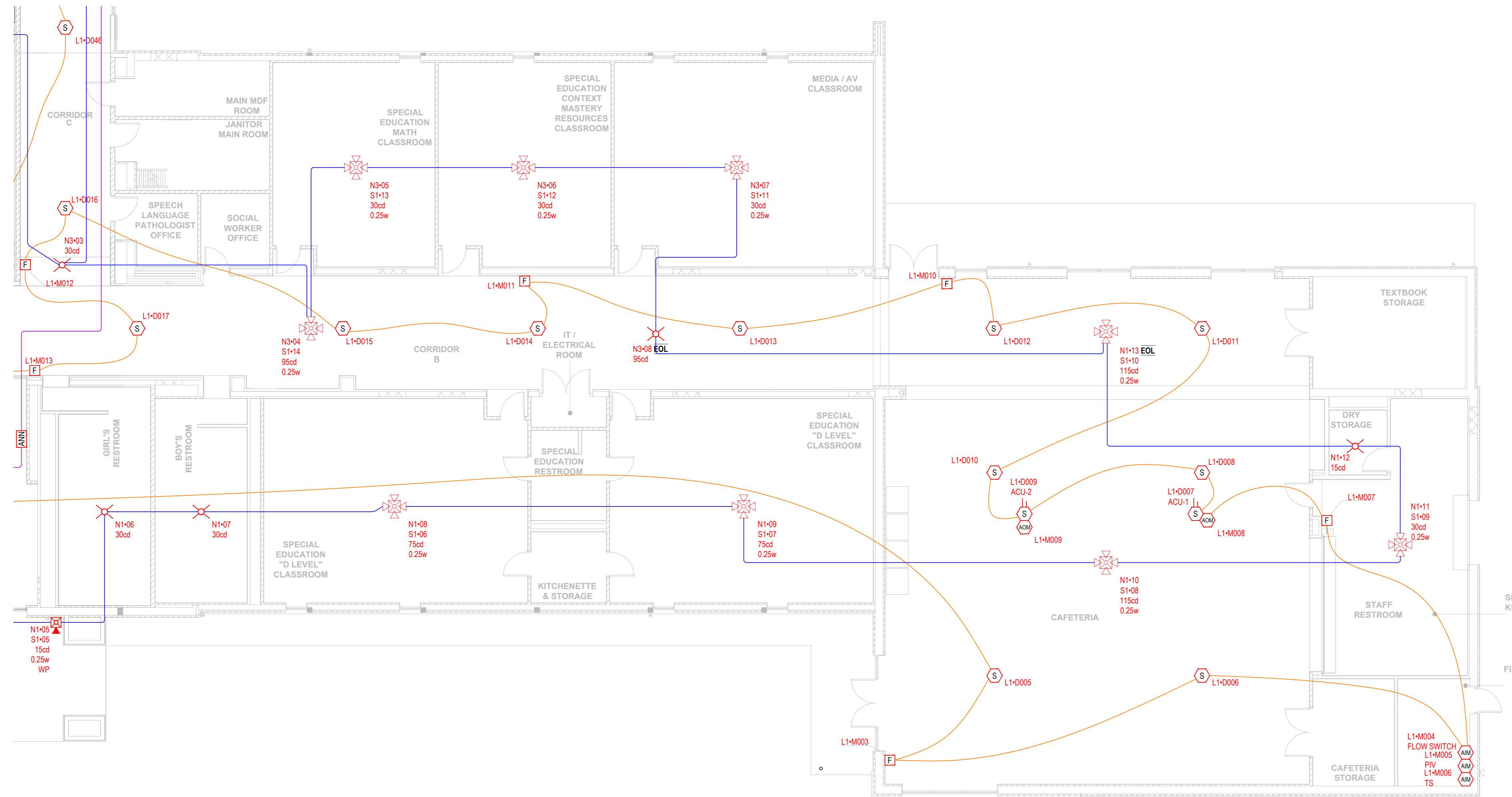


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- All SLC conductors shall be a minimum of #18 AWG. All Audible NAC conductors shall be a minimum of #16 AWG. All Visual NAC conductors shall be a minimum of #14 AWG.
- All cabling routed through accessible ceiling shall be securely suspended at highest point.
- All cabling shall be Plenum Rated.
- Activation of Duct Detector shall trigger a "Supervisory Alarm" and shut all HVAC supply fans

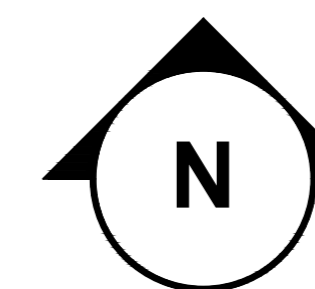


**FIRST FLOOR - AREA "B"**  
0-1/8" = 1 foot

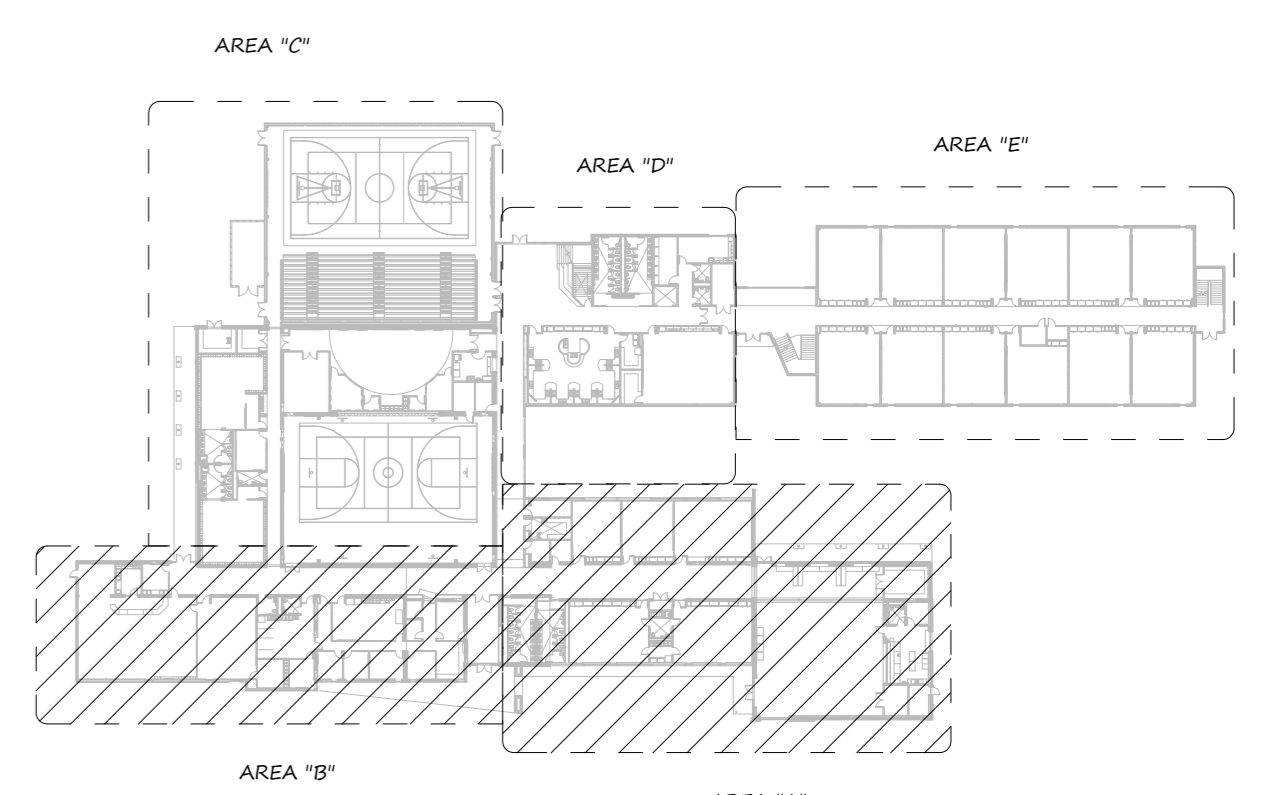


DEVICE LEGEND	
SYMBOL	DESCRIPTION
	FIRE ALARM CONTROL PANEL, ADDRESSABLE, SK PROTOCOL
	PANEL COMPONENT, INTELLIGENT 50/100 WATT AMPLIFIER
	SUPERVISED REMOTE COMMAND UNIT
	5496 6A INTELLIGENT REMOTE POWER SUPPLY
	DETECTOR, SMOKE, ADDRESSABLE PROJECTED BEAM
	DUCT SMOKE DETECTOR (INCLUDES PHOTO-R-W)
	PHOTOELECTRIC SMOKEHEAT DETECTOR W/ 6" BASE
	PHOTOELECTRIC SMOKE DETECTOR W/ 6" BASE
	STROBE, WALL MOUNT
	STROBE CEILING
	SPEAKER/STROBE OUTDOOR WALL MOUNT
	SPEAKER/STROBE WALL MOUNT
	SPEAKER/STROBE CEILING MOUNT
	MONITOR MODULE
	PULL STATION, DOUBLE-ACTION
	RELAY MODULE

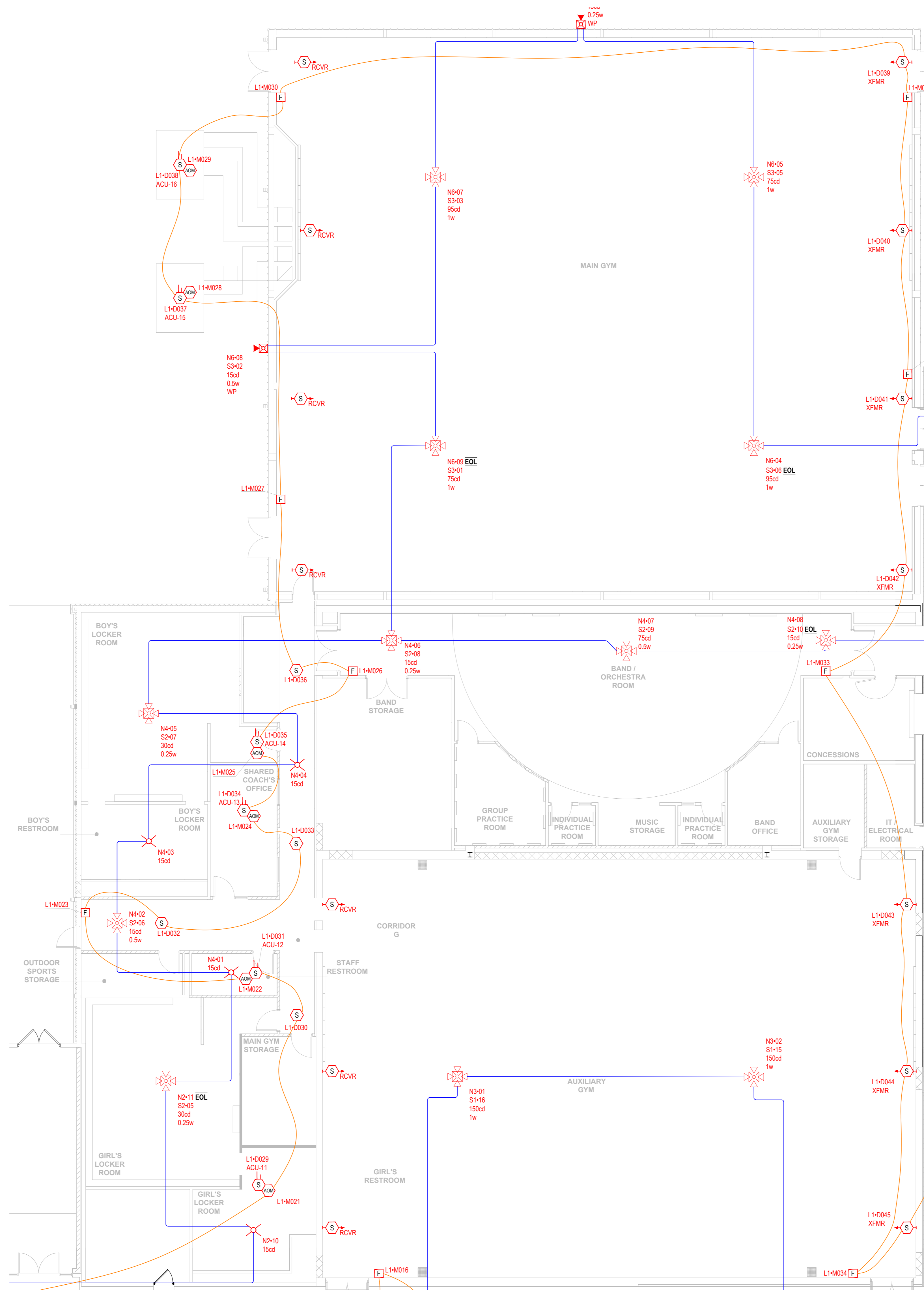
CABLE AND WIRE LEGEND		
WIREPATH	AWG	DESCRIPTION
	14	NAC - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
	16	SLC - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
	18	S-BUS - 4 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
	16	SPK - 2 COND. SOLID COPPER FPLP ANALOG SHIELDED
	18	V-BUS - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED



**FIRST FLOOR - AREA "A"**  
0-1/8" = 1 foot



LEGEND	
FS	FLOW SWITCH
TS	TAMPER SWITCH
PIV	POST INDICATOR VALVE
XFMR	TRANSFORMER
RCVR	RECEIVER

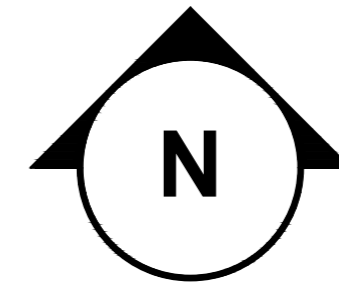
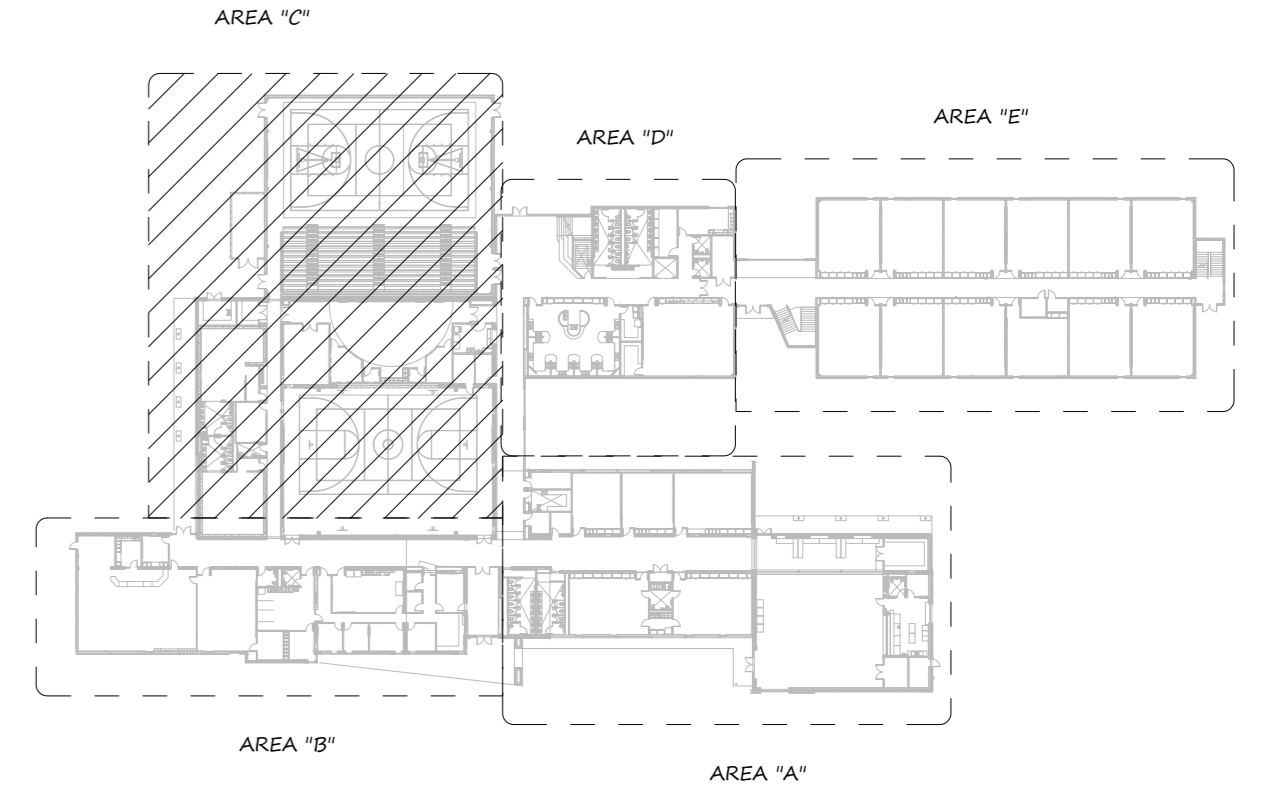


**GENERAL NOTES**

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2. All strobes shall be rated at candela required by NFPA 72 unless noted otherwise. All strobes shall be synchronized throughout the building.
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4. All cabling routed through accessible ceiling shall be securely suspended at highest point.
5. All cabling shall be Plenum Rated.
6. Activation of Duct Detector shall trigger a "Supervisory Alarm" and shunt all HVAC supply fans

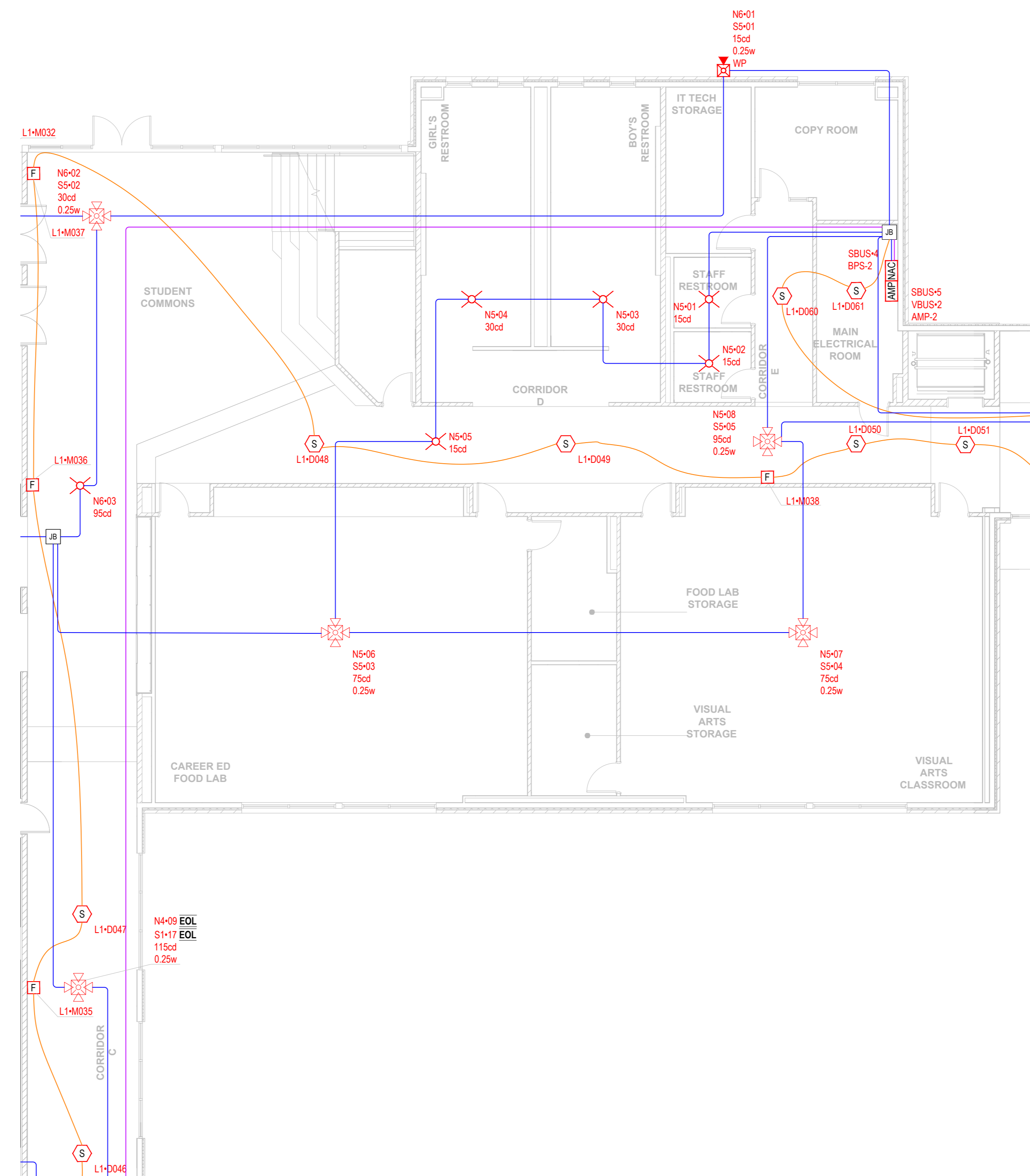
DEVICE LEGEND	
SYMBOL	DESCRIPTION
	FIRE ALARM CONTROL PANEL, ADDRESSABLE, SK PROTOCOL
	PANEL COMPONENT, INTELLIGENT 50/100 WATT AMPLIFIER
	SUPERVISED REMOTE COMMAND UNIT
	5496 6A INTELLIGENT REMOTE POWER SUPPLY
	DETECTOR, SMOKE, ADDRESSABLE PROJECTED BEAM
	DUCT SMOKE DETECTOR (INCLUDES PHOTO-R-W)
	PHOTOELECTRIC SMOKE/HEAT DETECTOR W/ 6" BASE
	PHOTOELECTRIC SMOKE DETECTOR W/ 6" BASE
	STROBE, WALL MOUNT
	STROBE CEILING
	SPEAKER/STROBE OUTDOOR WALL MOUNT
	SPEAKER/STROBE WALL MOUNT
	SPEAKER/STROBE CEILING MOUNT
	MONITOR MODULE
	PULL STATION, DOUBLE-ACTION
	RELAY MODULE

CABLE AND WIRE LEGEND		
WIREPATH	AWG	DESCRIPTION
	14	NAC - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
	16	SLC - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
	18	S-BUS - 4 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
	16	SPK - 2 COND. SOLID COPPER FPLP ANALOG SHIELDED
	18	V-BUS - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED



FIRST FLOOR - AREA "C"  
0-1/8" = 1 foot

LEGEND	
FS	FLOWSWITCH
TS	TAMPER SWITCH
PIV	POST INDICATOR VALVE
XFMR	TRANSMITTER
RCVR	RECEIVER

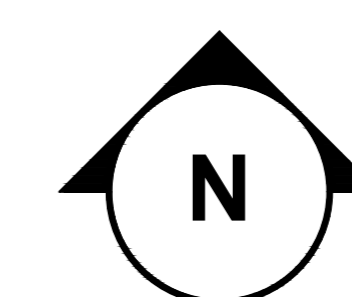
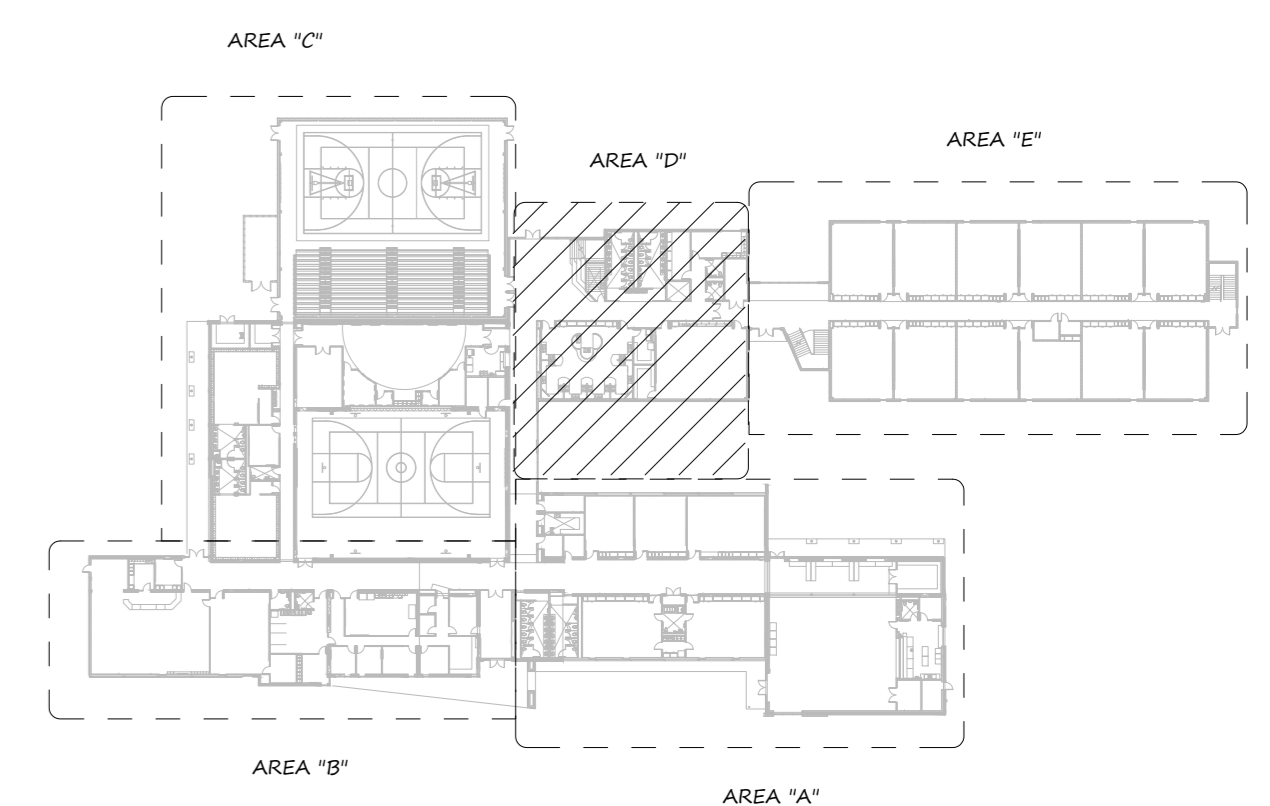


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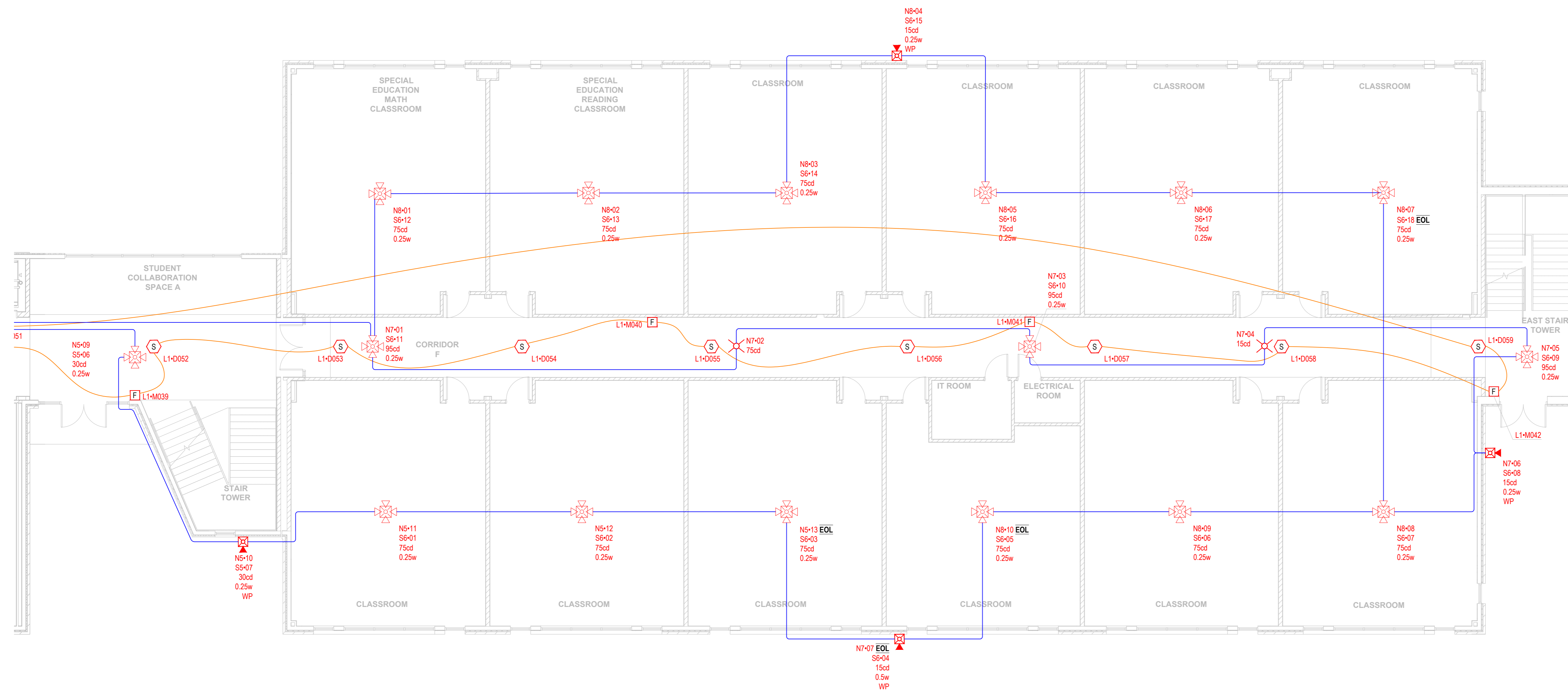
DEVICE LEGEND	
SYMBOL	DESCRIPTION
	FIRE ALARM CONTROL PANEL, ADDRESSABLE, SK PROTOCOL
	PANEL COMPONENT, INTELLIGENT 50/100 WATT AMPLIFIER
	SUPERVISED REMOTE COMMAND UNIT
	48V 6A INTELLIGENT REMOTE POWER SUPPLY
	DETECTOR, SMOKE, ADDRESSABLE PROJECTED BEAM
	DUCT SMOKE DETECTOR (INCLUDES PHOTO-R/W)
	PHOTOELECTRIC SMOKE/HEAT DETECTOR W/ 6" BASE
	PHOTOELECTRIC SMOKE DETECTOR W/ 6" BASE
	STROBE, WALL MOUNT
	STROBE CEILING
	SPEAKER/STROBE OUTDOOR WALL MOUNT
	SPEAKER/STROBE WALL MOUNT
	SPEAKER/STROBE CEILING MOUNT
	MONITOR MODULE
	PULL STATION, DOUBLE-ACTION
	RELAY MODULE

CABLE AND WIRE LEGEND		
WIREPATH	AWG	DESCRIPTION
	14	NAC - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
	16	SLC - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
	18	S-BUS - 4 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
	16	SPK - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
	18	V-BUS - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED



FIRST FLOOR - AREA "D"  
0-1/8" = 1 foot

LEGEND	
FS	FLOW SWITCH
TS	TAMPER SWITCH
PIV	POST INDICATOR VALVE
XFMR	TRANSFORMER
RCVR	RECEIVER



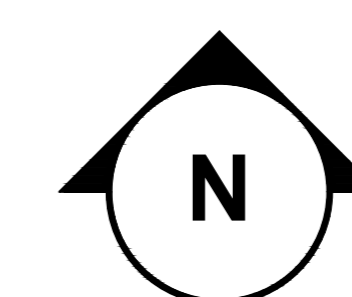
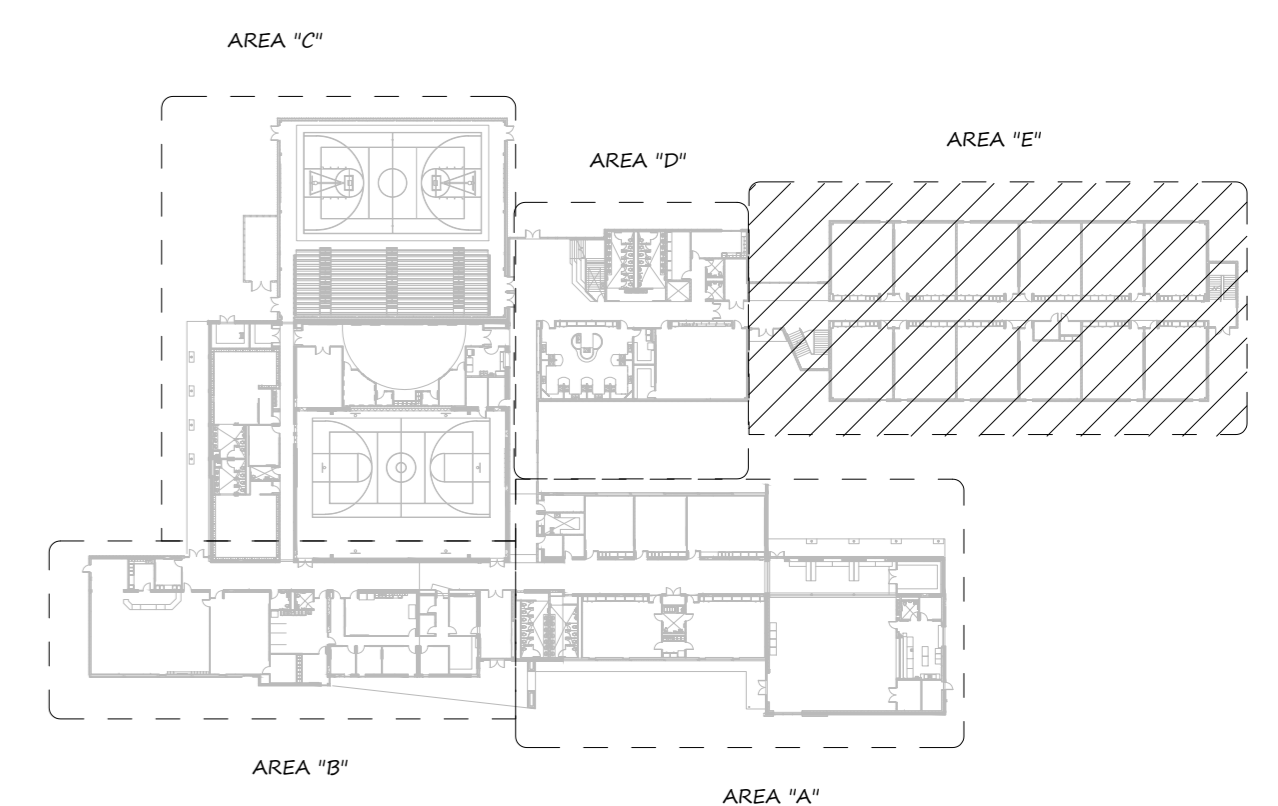
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- All cabling shall be Plenum Rated.
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DEVICE LEGEND	
SYMBOL	DESCRIPTION
	FIRE ALARM CONTROL PANEL, ADDRESSABLE, SK PROTOCOL
	PANEL COMPONENT, INTELLIGENT 50/100 WATT AMPLIFIER
	SUPERVISED REMOTE COMMAND UNIT
	5486 6A INTELLIGENT REMOTE POWER SUPPLY
	DETECTOR, SMOKE, ADDRESSABLE PROJECTED BEAM
	DUCT SMOKE DETECTOR (INCLUDES PHOTO-R-W)
	PHOTOELECTRIC SMOKE/HEAT DETECTOR W/ 6" BASE
	PHOTOELECTRIC SMOKE DETECTOR W/ 6" BASE
	STROBE, WALL MOUNT
	STROBE CEILING
	SPEAKER/STROBE OUTDOOR WALL MOUNT
	SPEAKER/STROBE WALL MOUNT
	SPEAKER/STROBE CEILING MOUNT
	MONITOR MODULE
	PULL STATION, DOUBLE-ACTION
	RELAY MODULE

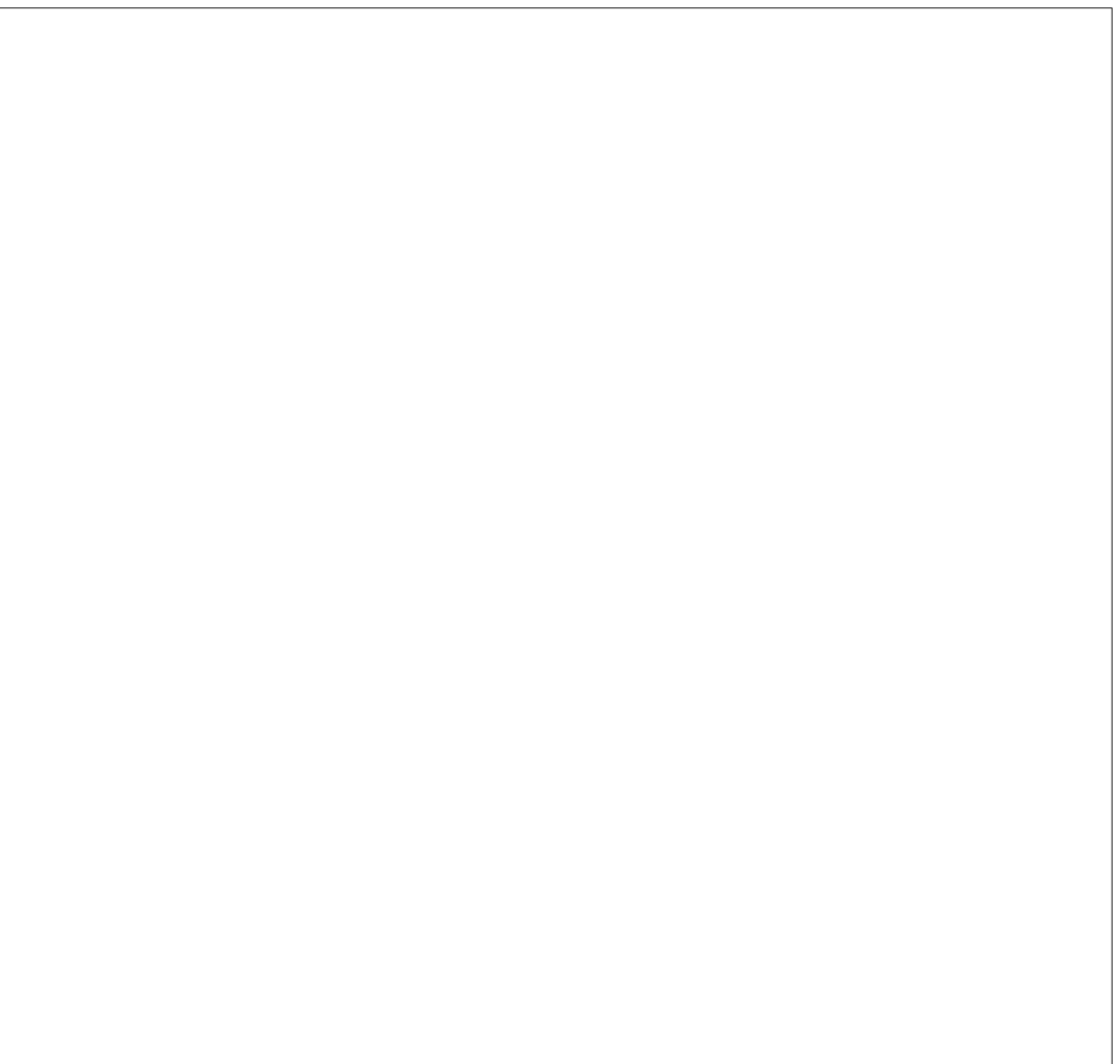
  

CABLE AND WIRE LEGEND		
WIREPATH	AWG	DESCRIPTION
	14	NAC - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
	16	SLC - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
	18	S-BUS - 4 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
	16	SPK - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
	18	V-BUS - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED



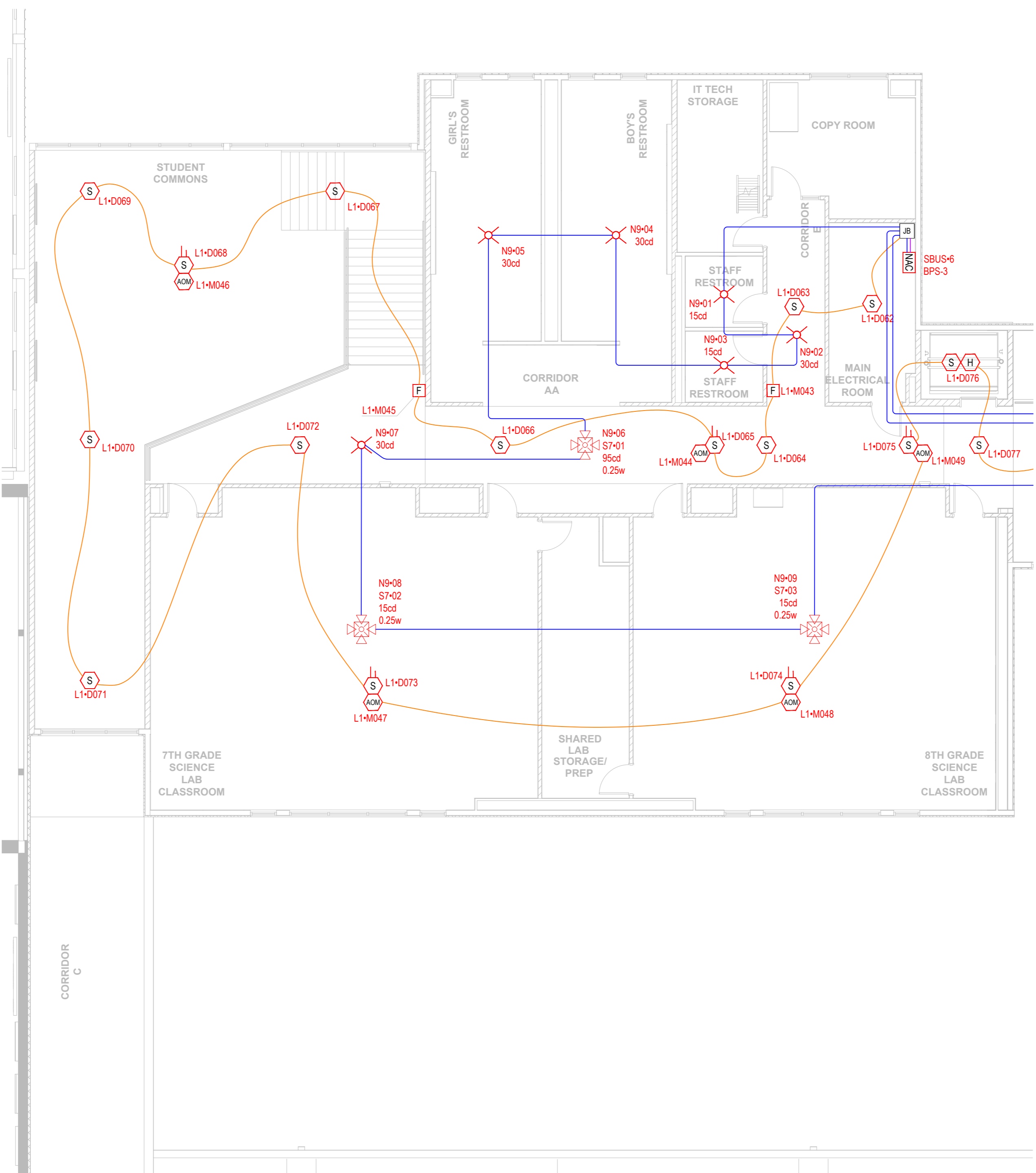
FIRST FLOOR - AREA "E"  
0-1/8" = 1 foot

LEGEND	
FS	FLOWSWITCH
TS	TAMPER SWITCH
PIV	POST INDICATOR VALVE
XFMR	TRANSMITTER
RCVR	RECEIVER



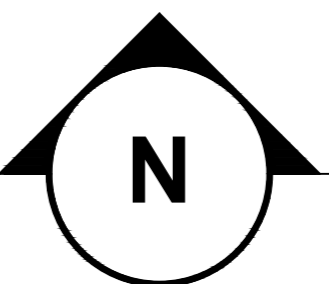
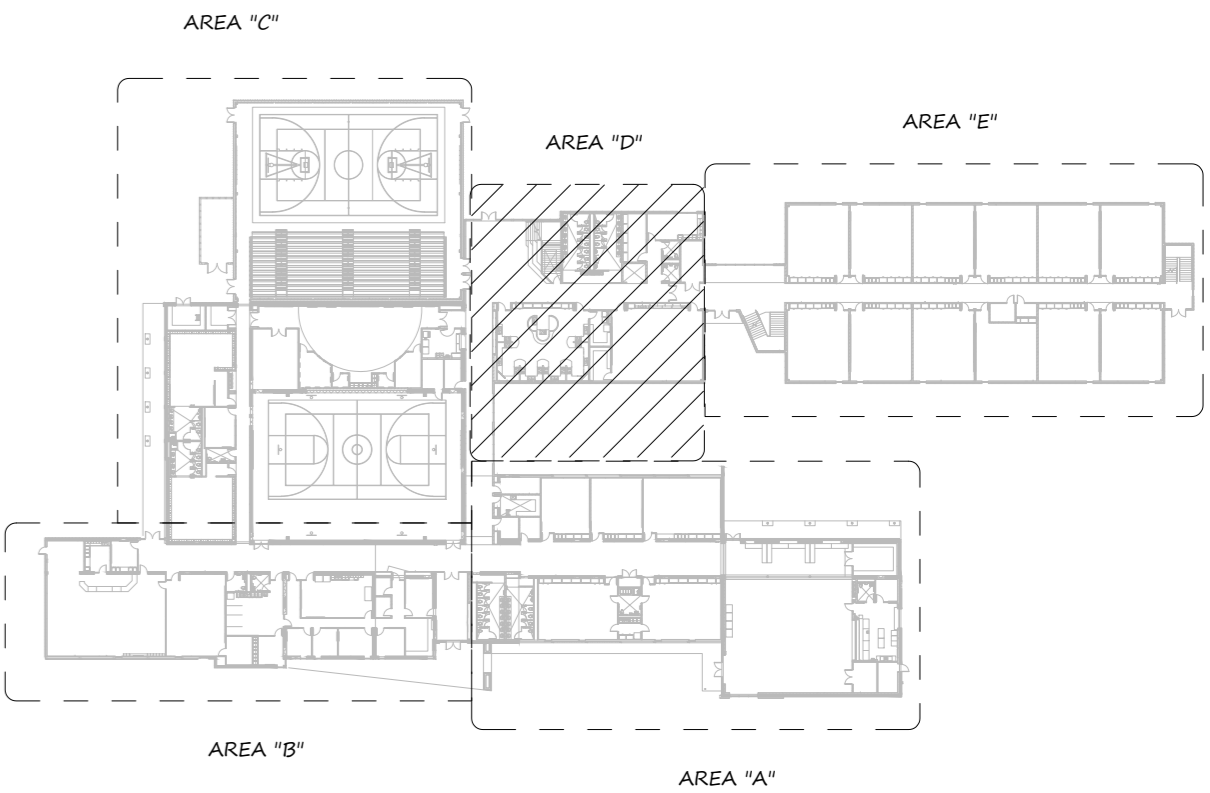
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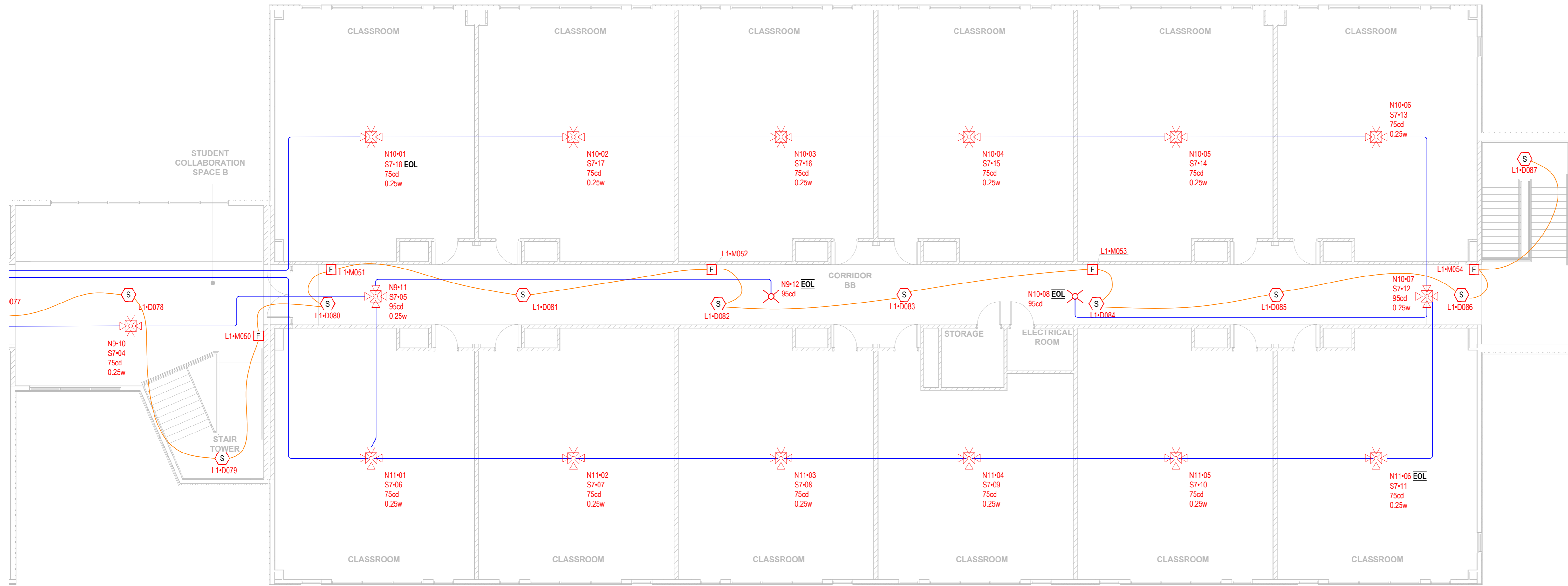
DEVICE LEGEND	
SYMBOL	DESCRIPTION
	FIRE ALARM CONTROL PANEL, ADDRESSABLE, SK PROTOCOL
	PANEL COMPONENT, INTELLIGENT 50/100 WATT AMPLIFIER
	SUPERVISED REMOTE COMMAND UNIT
	5486 6A INTELLIGENT REMOTE POWER SUPPLY
	DETECTOR, SMOKE, ADDRESSABLE PROJECTED BEAM
	DUCT SMOKE DETECTOR (INCLUDES PHOTO-R-W)
	PHOTOELECTRIC SMOKE/HEAT DETECTOR W/ 6" BASE
	PHOTOELECTRIC SMOKE DETECTOR W/ 6" BASE
	STROBE, WALL MOUNT
	STROBE CEILING
	SPEAKER/STROBE OUTDOOR WALL MOUNT
	SPEAKER/STROBE WALL MOUNT
	SPEAKER/STROBE CEILING MOUNT
	MONITOR MODULE
	PULL STATION, DOUBLE-ACTION
	RELAY MODULE

CABLE AND WIRE LEGEND		
WIREPATH	AWG	DESCRIPTION
	14	NAC - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
	16	SLC - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
	18	S-BUS - 4 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
	16	SPK - 2 COND. SOLID COPPER FPLP ANALOG SHIELDED
	18	V-BUS - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED



**SECOND FLOOR - AREA "D"**  
0-1/8" = 1 foot

LEGEND	
FS	FLOWSWITCH
TS	TAMPER SWITCH
PIV	POST INDICATOR VALVE
XFMR	TRANSMITTER
RCVR	RECEIVER

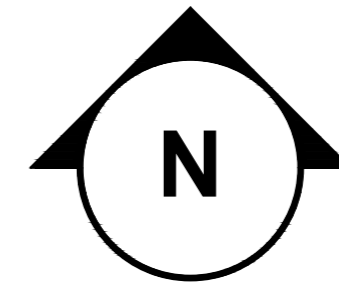
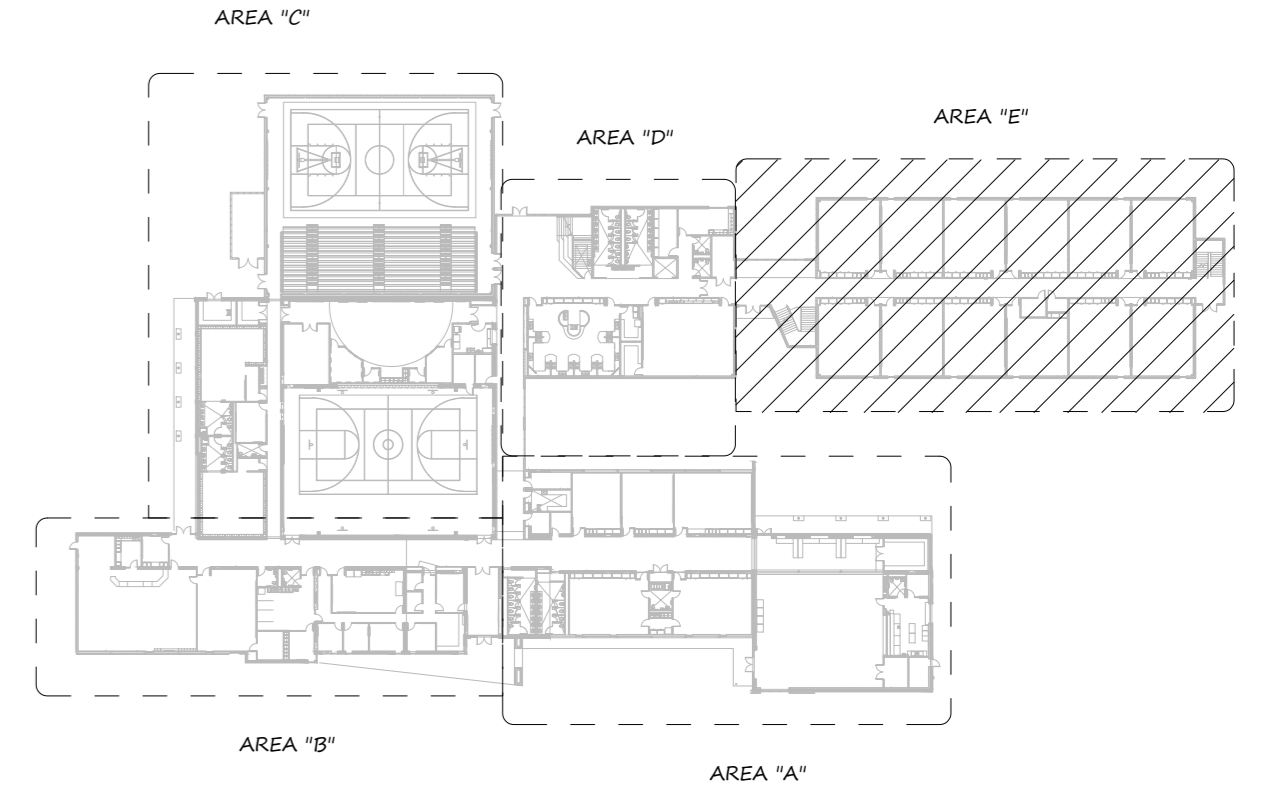


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DEVICE LEGEND	
SYMBOL	DESCRIPTION
	FIRE ALARM CONTROL PANEL, ADDRESSABLE, SK PROTOCOL
	PANEL COMPONENT, INTELLIGENT 50/100 WATT AMPLIFIER
	SUPERVISED REMOTE COMMAND UNIT
	5486 6A INTELLIGENT REMOTE POWER SUPPLY
	DETECTOR, SMOKE, ADDRESSABLE PROJECTED BEAM
	DUCT SMOKE DETECTOR (INCLUDES PHOTO-R/W)
	PHOTOELECTRIC SMOKE DETECTOR W/ 6" BASE
	PHOTOELECTRIC SMOKE DETECTOR W/ 6" BASE
	STROBE, WALL MOUNT
	STROBE CEILING
	SPEAKER/STROBE OUTDOOR WALL MOUNT
	SPEAKER/STROBE WALL MOUNT
	SPEAKER/STROBE CEILING MOUNT
	MONITOR MODULE
	PULL STATION, DOUBLE-ACTION
	RELAY MODULE

CABLE AND WIRE LEGEND		
WIREPATH	AWG	DESCRIPTION
	14	NAC - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
	16	SLC - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
	18	S-BUS - 4 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
	16	SPK - 2 COND. SOLID COPPER FPLP ANALOG SHIELDED
	18	V-BUS - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED

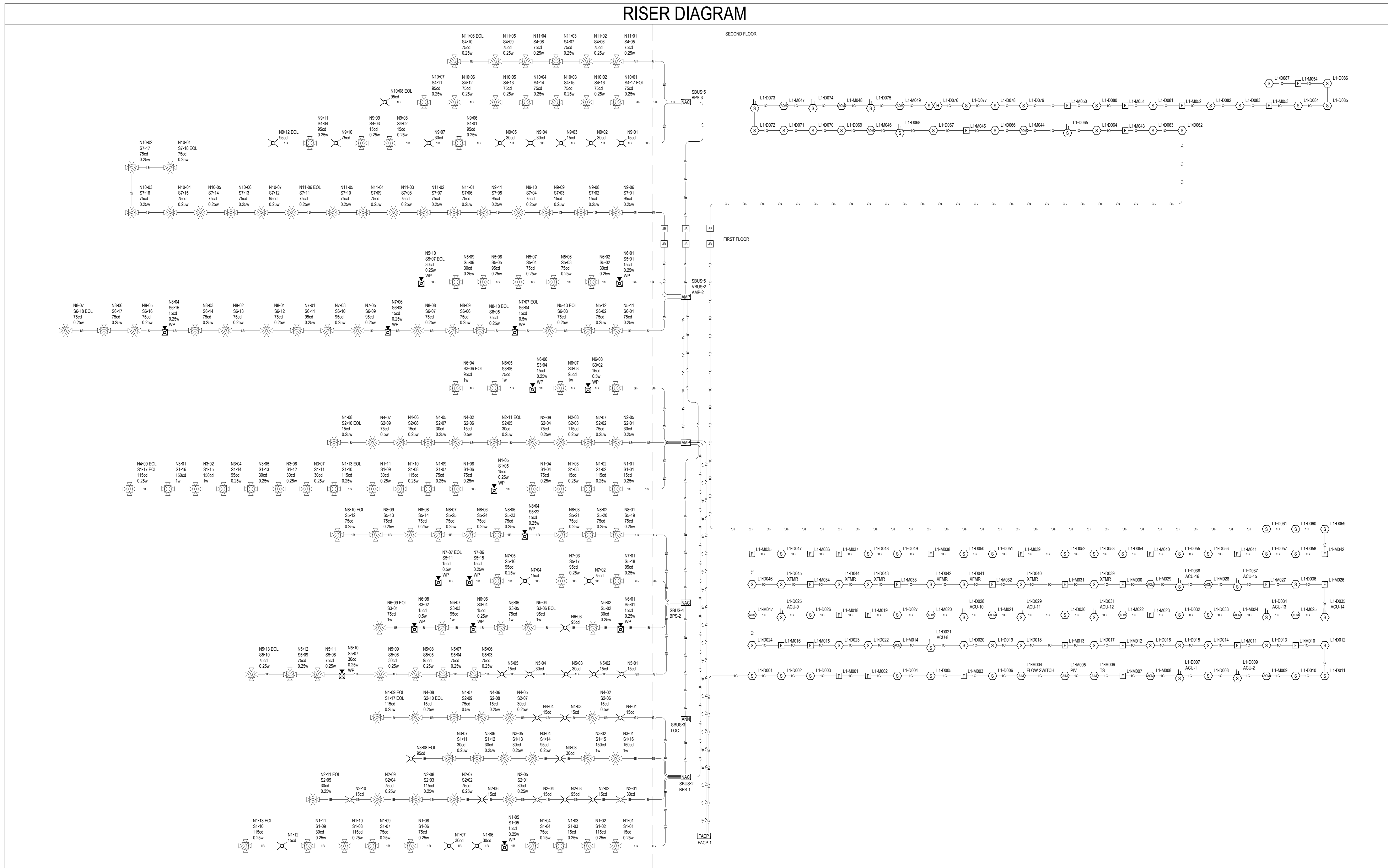


**SECOND FLOOR - AREA "E"**  
0-1/8" = 1 foot

LEGEND	
FS	FLOWSWITCH
TS	TAMPER SWITCH
PIV	POST INDICATOR VALVE
XFMR	TRANSMITTER
RCVR	RECEIVER



# RISER DIAGRAM





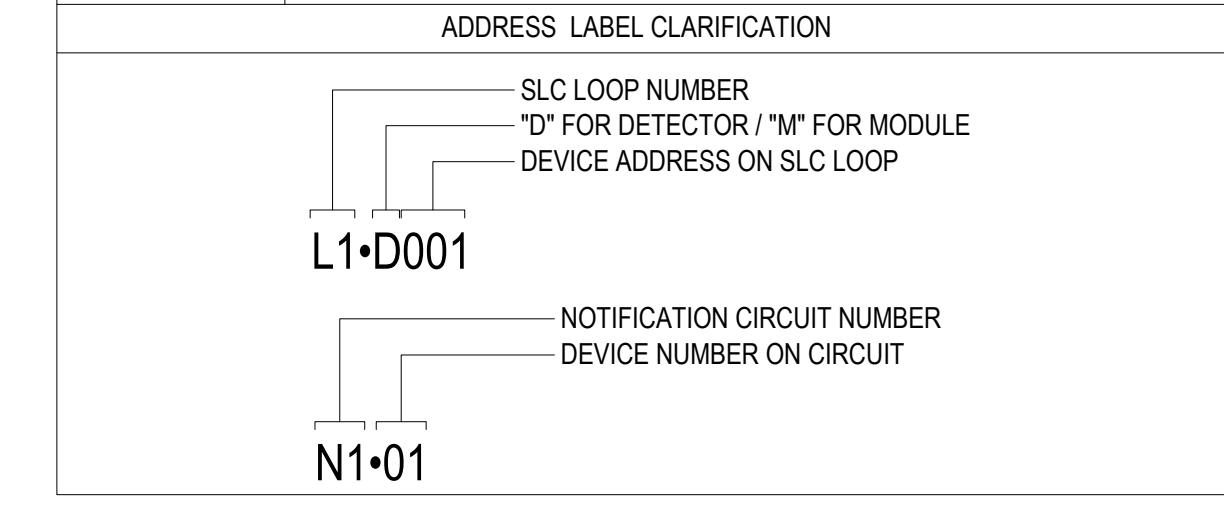




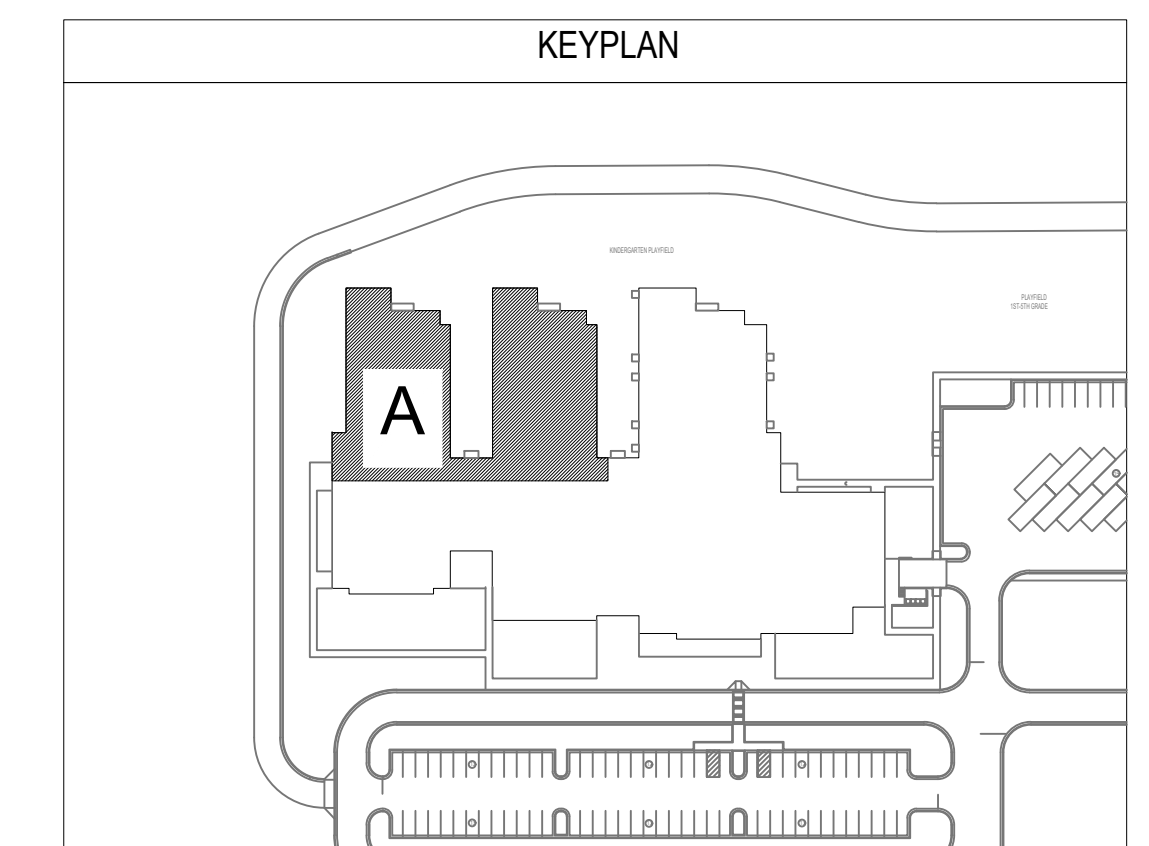
EQUIPMENT LIST	
SYMBOL	DESCRIPTION
[FACU]	FIRE ALARM CONTROL PANEL
[DOC]	FIRE ALARM DOCUMENT BOX
[NAC]	10.0 A REMOTE POWER SUPPLY
[NAC]	6.0 A REMOTE POWER SUPPLY
[FAA]	LCD ANNUNCIATOR
[AMP]	50 WATT VOICE EVACUATION PANEL
[F]	MANUAL PULL STATION W/ PROTECTIVE COVER
[AM]	MONITOR MODULE
[ADM]	RELAY MODULE
[S]	PHOTOELECTRIC DUCT DETECTOR
[S]	REMOTE TEST SWITCH
[H]	HEAT DETECTOR W/ STANDARD BASE
[S]	SMOKE DETECTOR W/ STANDARD BASE
[S]	SPEAKER/STROBE, WALL, RED
[S]	STROBE, WALL, RED
[DH]	24V DOOR HOLDER
[SS]	SURGE PROTECTOR

CABLE AND WIRE LEGEND		
LABEL	AWG	DESCRIPTION
A	18	ANN - 4 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
B	18	RTS - 4 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
D	18	SLC - 2 COND. SOLID COPPER FPLP ADDRESSABLE UNSHIELDED
D'	18	SLC - 2 COND. DIR. BURIAL SOLID COPPER FPLP ADDRESSABLE UNSHIELDED
P	14	AUX - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
S	16	SPK - 2 COND. SOLID COPPER FPLP ANALOG SHIELDED
V	14	NAC - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED

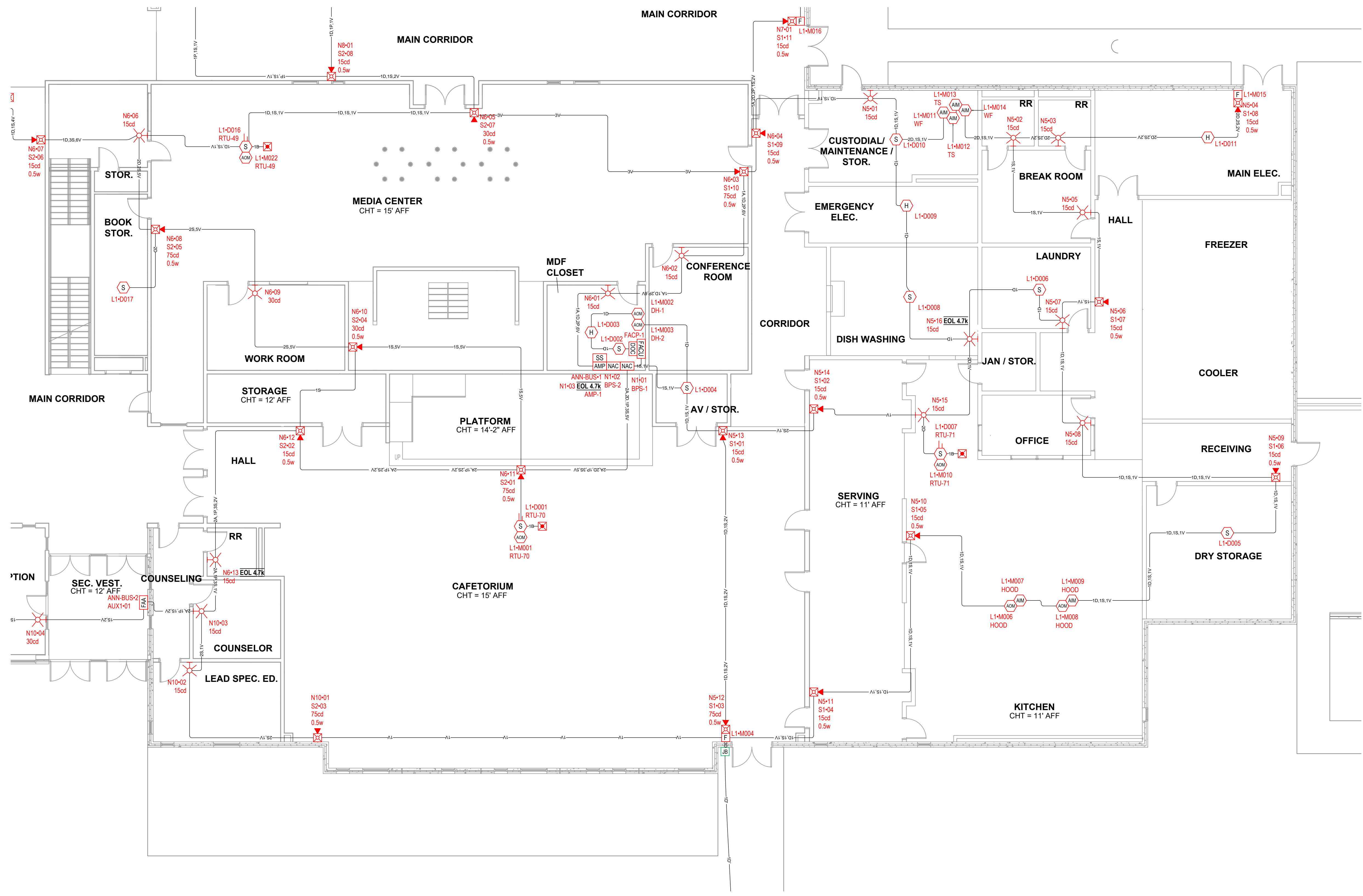
ABBREVIATIONS	
WF	WATERFLOW SWITCH
TS	TAMPER SWITCH
PIV	POST INDICATOR VALVE
DH	DOOR HOLDER RELEASE
HAT	ELEVATOR CAB SAFETY INDICATOR
SHUNT	ELEVATOR SHUNT TRIP OFF
PRIM	ELEVATOR RECALL TO PRIMARY LEVEL
ALT	ELEVATOR RECALL TO ALTERNATE LEVEL
RTU	ROOF TOP UNIT
CSFD	COMBINATION SMOKE FIRE DAMPER
HOOD	KITCHEN HOOD EXHAUST FAN
CHT	CILING HEIGHT



1 MAIN LEVEL FLOOR PLAN - AREA A



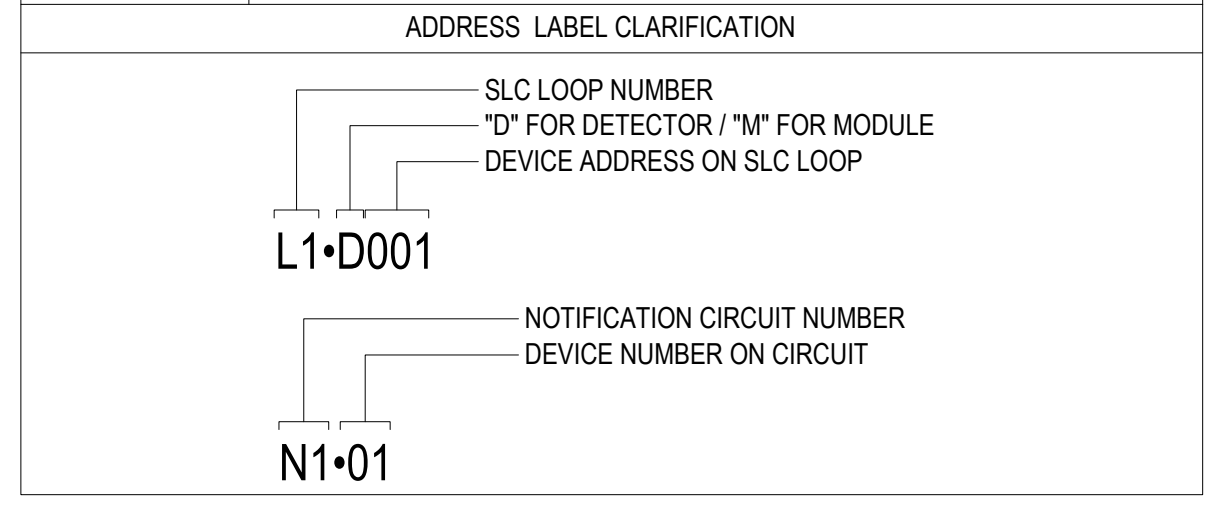




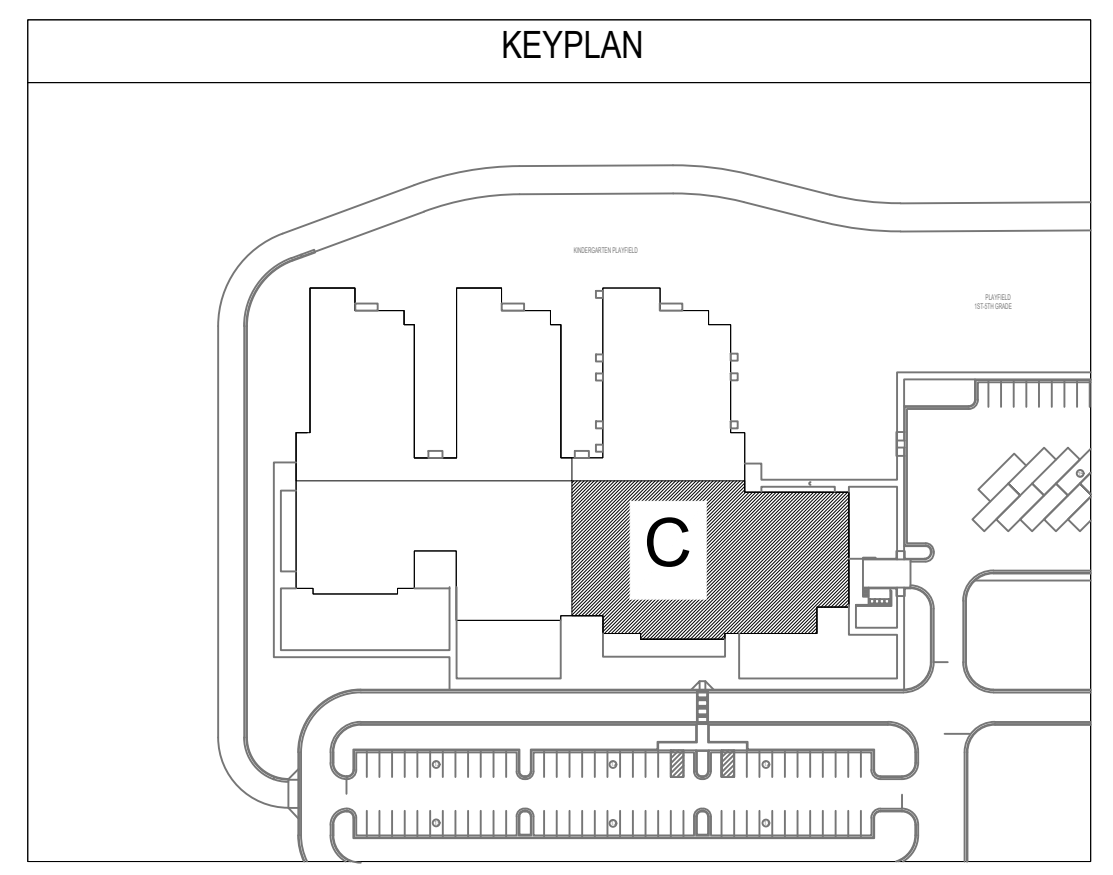
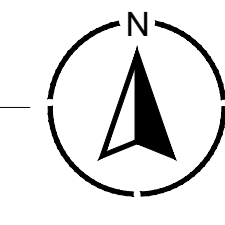
EQUIPMENT LIST	
SYMBOL	DESCRIPTION
[FACU]	FIRE ALARM CONTROL PANEL
[DOC]	FIRE ALARM DOCUMENT BOX
[NAC]	10.0 A REMOTE POWER SUPPLY
[NAC]	6.0 A REMOTE POWER SUPPLY
[FAA]	LCD ANNUNCIATOR
[AMP]	50 WATT VOICE EVACUATION PANEL
[F]	MANUAL PULL STATION W/ PROTECTIVE COVER
[AM]	MONITOR MODULE
[ADM]	RELAY MODULE
[S]	PHOTOELECTRIC DUCT DETECTOR
[S]	REMOTE TEST SWITCH
[H]	HEAT DETECTOR W/ STANDARD BASE
[S]	SMOKE DETECTOR W/ STANDARD BASE
[S]	SPEAKER/STROBE, WALL, RED
[S]	STROBE, WALL, RED
[DH]	24V DOOR HOLDER
[SS]	SURGE PROTECTOR

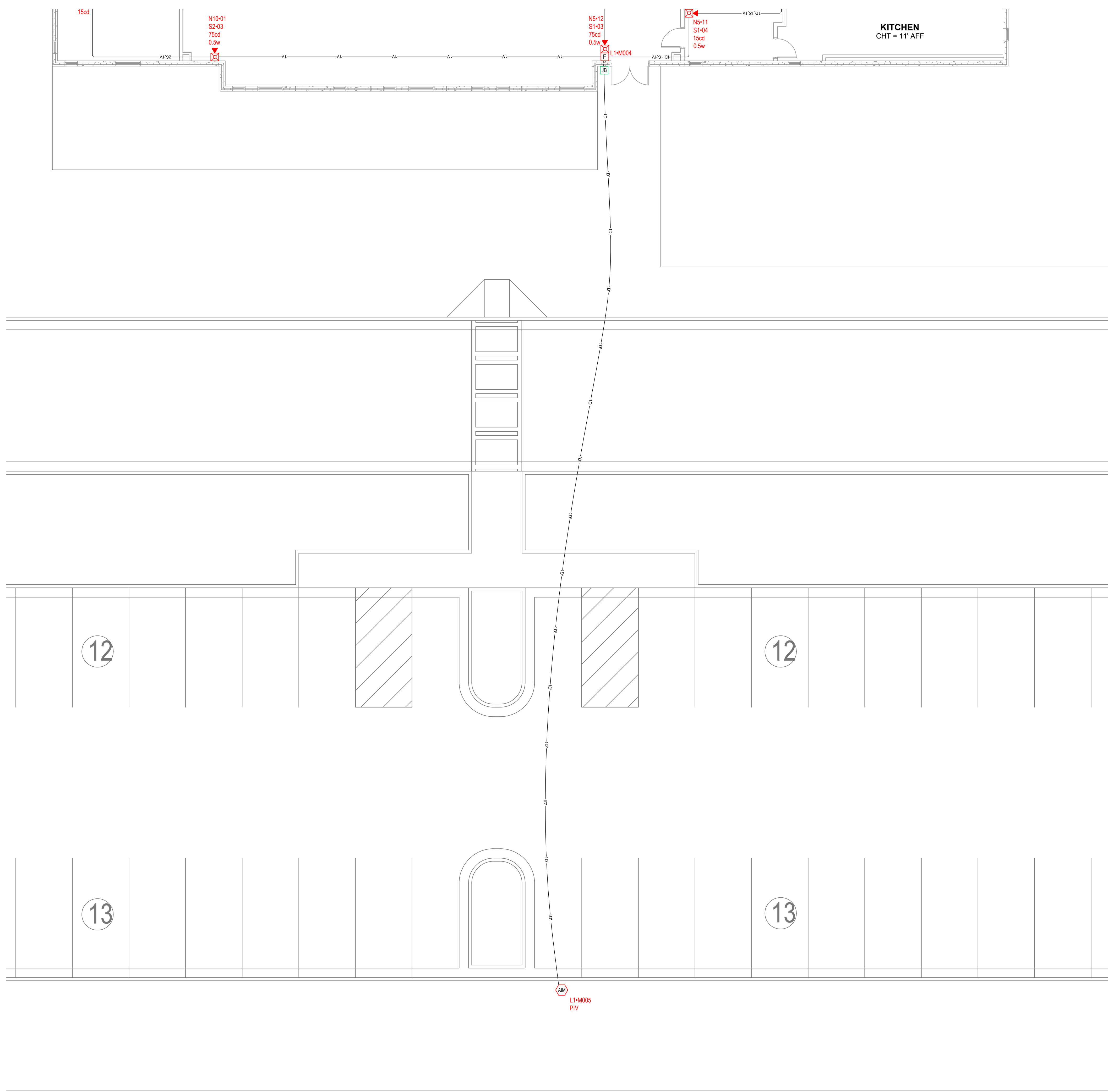
CABLE AND WIRE LEGEND		
LABEL	AWG	DESCRIPTION
A	18	ANN - 4 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
B	18	RTS - 4 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
D	18	SLC - 2 COND. SOLID COPPER FPLP ADDRESSABLE UNSHIELDED
D'	18	SLC - 2 COND. DIR. BURIAL SOLID COPPER FPLP ADDRESSABLE UNSHIELDED
P	14	AUX - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
S	16	SPK - 2 COND. SOLID COPPER FPLP ANALOG SHIELDED
V	14	NAC - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED

ABBREVIATIONS	
WF	WATERFLOW SWITCH
TS	TAMPER SWITCH
PIV	POST INDICATOR VALVE
DH	DOOR HOLDER RELEASE
HAT	ELEVATOR CAB SAFETY INDICATOR
SHUNT	ELEVATOR SHUNT TRIP OFF
PRIM	ELEVATOR RECALL TO PRIMARY LEVEL
ALT	ELEVATOR RECALL TO ALTERNATE LEVEL
RTU	ROOF TOP UNIT
CSFD	COMBINATION SMOKE FIRE DAMPER
HOOD	KITCHEN HOOD EXHAUST FAN
CHT	CEILING HEIGHT



1 MAIN LEVEL FLOOR PLAN - AREA C

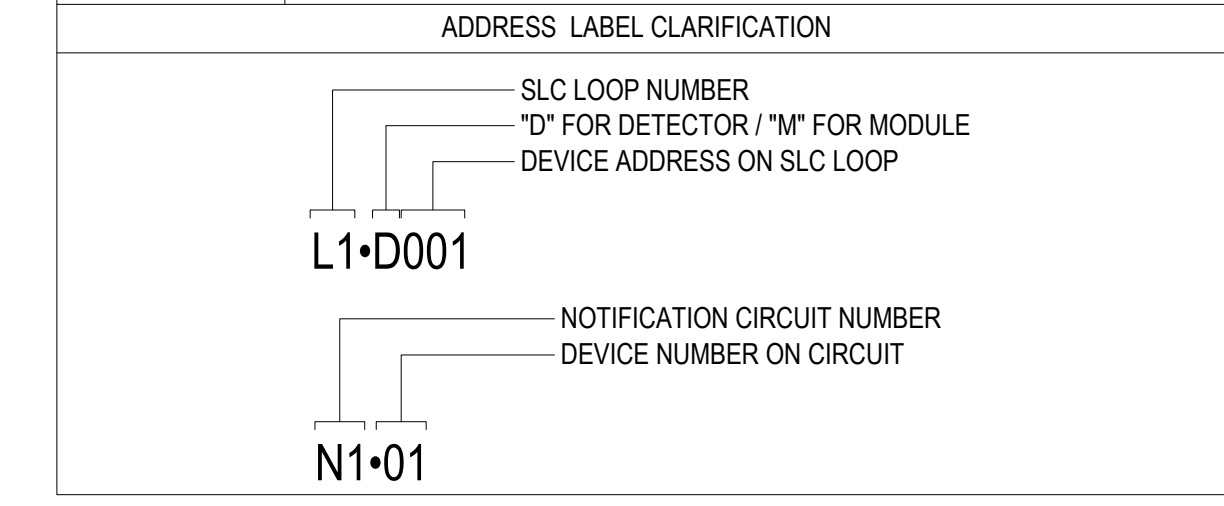




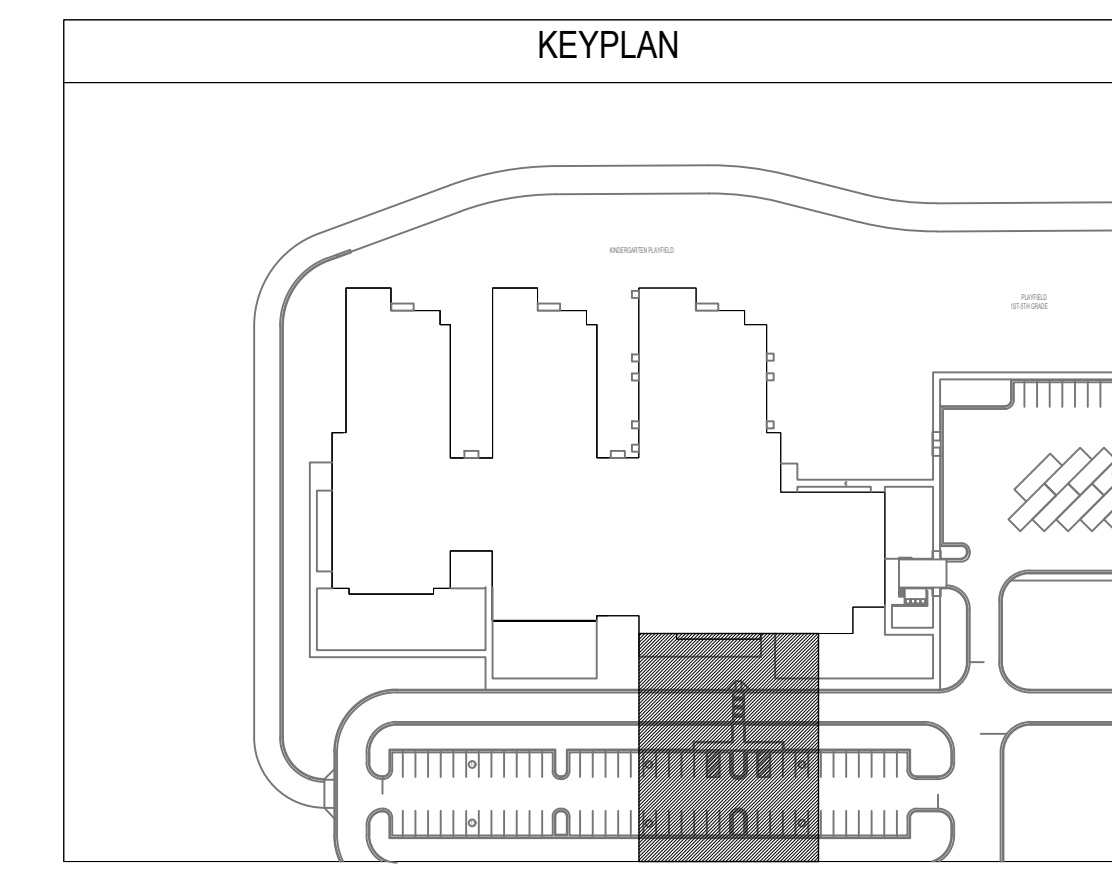
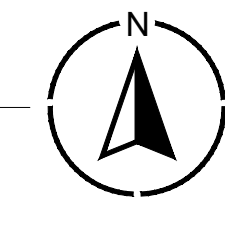
EQUIPMENT LIST	
SYMBOL	DESCRIPTION
[FACU]	FIRE ALARM CONTROL PANEL
[DOC]	FIRE ALARM DOCUMENT BOX
[NAC]	10.0 A REMOTE POWER SUPPLY
[NAC]	6.0 A REMOTE POWER SUPPLY
[FAA]	LCD ANNUNCIATOR
[AMP]	50 WATT VOICE EVACUATION PANEL
[F]	MANUAL PULL STATION W/ PROTECTIVE COVER
[AM]	MONITOR MODULE
[ADM]	RELAY MODULE
[S]	PHOTOELECTRIC DUCT DETECTOR
[RTS]	REMOTE TEST SWITCH
[H]	HEAT DETECTOR W/ STANDARD BASE
[S]	SMOKE DETECTOR W/ STANDARD BASE
[S]	SPEAKER/STROBE, WALL, RED
[S]	STROBE, WALL, RED
[DH]	24V DOOR HOLDER
[SS]	SURGE PROTECTOR

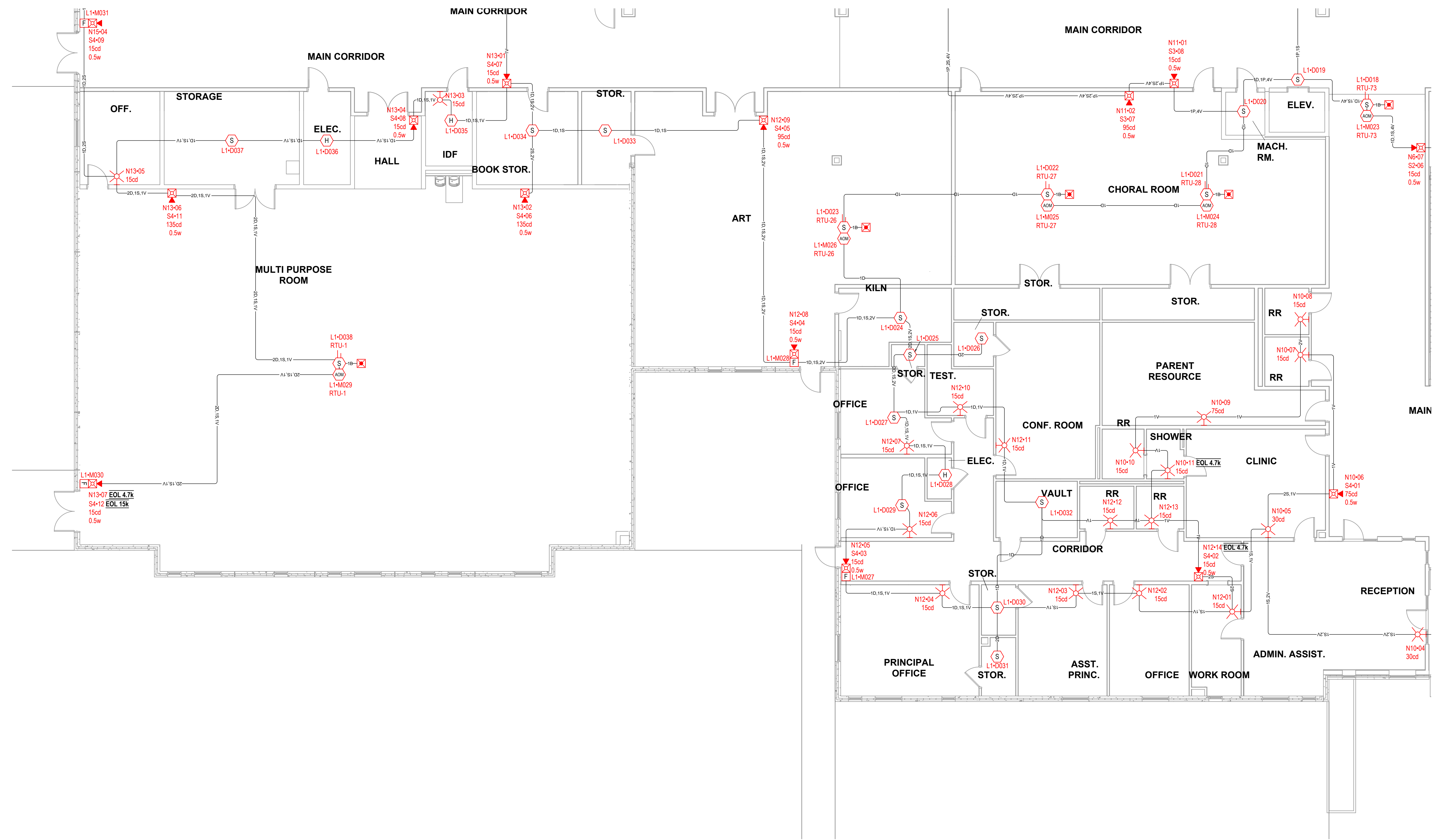
CABLE AND WIRE LEGEND		
LABEL	AWG	DESCRIPTION
A	18	ANN - 4 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
B	18	RTS - 4 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
D	18	SLC - 2 COND. SOLID COPPER FPLP ADDRESSABLE UNSHIELDED
D'	18	SLC - 2 COND. DIR. BURIAL SOLID COPPER FPLP ADDRESSABLE UNSHIELDED
P	14	AUX - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
S	16	SPK - 2 COND. SOLID COPPER FPLP ANALOG SHIELDED
V	14	NAC - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED

ABBREVIATIONS	
WF	WATERFLOW SWITCH
TS	TAMPER SWITCH
PIV	POST INDICATOR VALVE
DH	DOOR HOLDER RELEASE
HAT	ELEVATOR CAB SAFETY INDICATOR
SHUNT	ELEVATOR SHUNT TRIP OFF
PRIM	ELEVATOR RECALL TO PRIMARY LEVEL
ALT	ELEVATOR RECALL TO ALTERNATE LEVEL
RTU	ROOF TOP UNIT
CSFD	COMBINATION SMOKE FIRE DAMPER
HOOD	KITCHEN HOOD EXHAUST FAN
CHT	CEILING HEIGHT



1 MAIN LEVEL FLOOR PLAN - EXTERNAL AREA

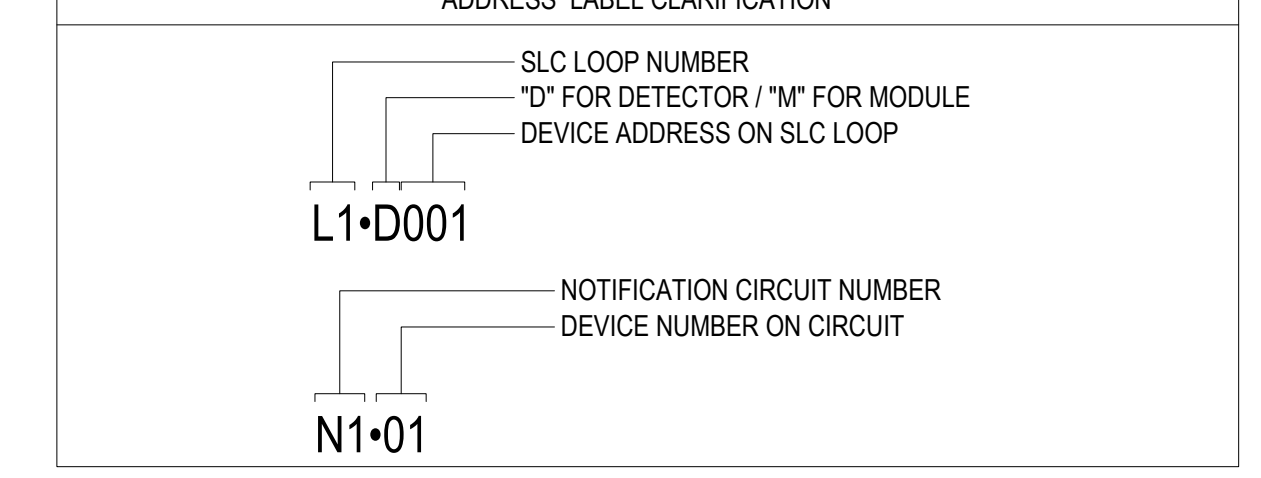




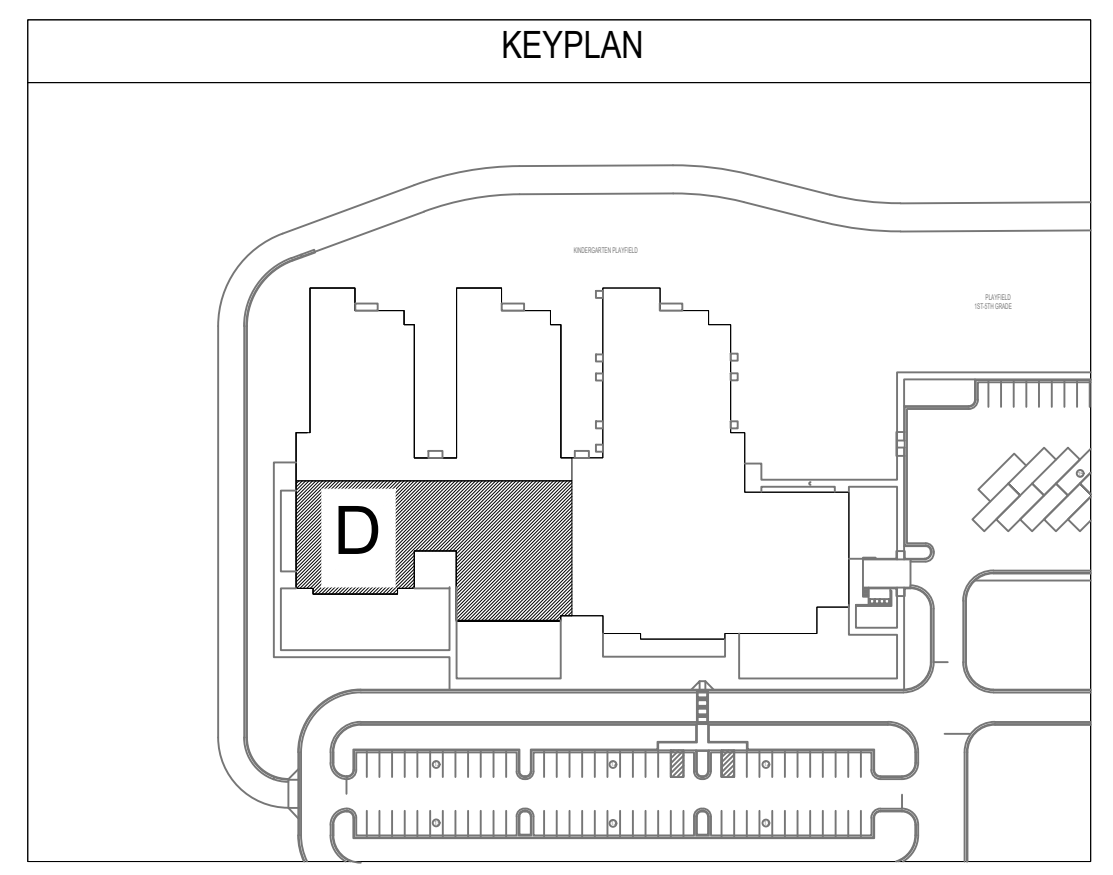
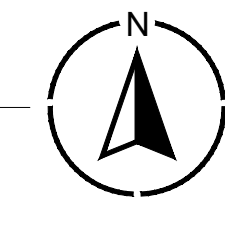
EQUIPMENT LIST	
SYMBOL	DESCRIPTION
[FACU]	FIRE ALARM CONTROL PANEL
[DOC]	FIRE ALARM DOCUMENT BOX
[NAC]	10.0 A REMOTE POWER SUPPLY
[NAC]	6.0 A REMOTE POWER SUPPLY
[FAA]	LCD ANNUNCIATOR
[AMP]	50 WATT VOICE EVACUATION PANEL
[F]	MANUAL PULL STATION W/ PROTECTIVE COVER
[AM]	MONITOR MODULE
[AM]	RELAY MODULE
[S]	PHOTOELECTRIC DUCT DETECTOR
[S]	REMOTE TEST SWITCH
[H]	HEAT DETECTOR W/ STANDARD BASE
[S]	SMOKE DETECTOR W/ STANDARD BASE
[S]	SPEAKER/STROBE, WALL, RED
[S]	STROBE, WALL, RED
[DH]	24V DOOR HOLDER
[SS]	SURGE PROTECTOR

CABLE AND WIRE LEGEND		
LABEL	AWG	DESCRIPTION
A	18	ANN - 4 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
B	18	RTS - 4 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
D	18	SLC - 2 COND. SOLID COPPER FPLP ADDRESSABLE UNSHIELDED
D'	18	SLC - 2 COND. DIR. BURIAL SOLID COPPER FPLP ADDRESSABLE UNSHIELDED
P	14	AUX - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
S	16	SPK - 2 COND. SOLID COPPER FPLP ANALOG SHIELDED
V	14	NAC - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED

ABBREVIATIONS	
WF	WATERFLOW SWITCH
TS	TAMPER SWITCH
PIV	POST INDICATOR VALVE
DH	DOOR HOLDER RELEASE
HAT	ELEVATOR CAB SAFETY INDICATOR
SHUNT	ELEVATOR SHUNT TRIP OFF
PRIM	ELEVATOR RECALL TO PRIMARY LEVEL
ALT	ELEVATOR RECALL TO ALTERNATE LEVEL
RTU	ROOF TOP UNIT
CSFD	COMBINATION SMOKE FIRE DAMPER
HOOD	KITCHEN HOOD EXHAUST FAN
CHT	CEILING HEIGHT



1 MAIN LEVEL FLOOR PLAN - AREA D

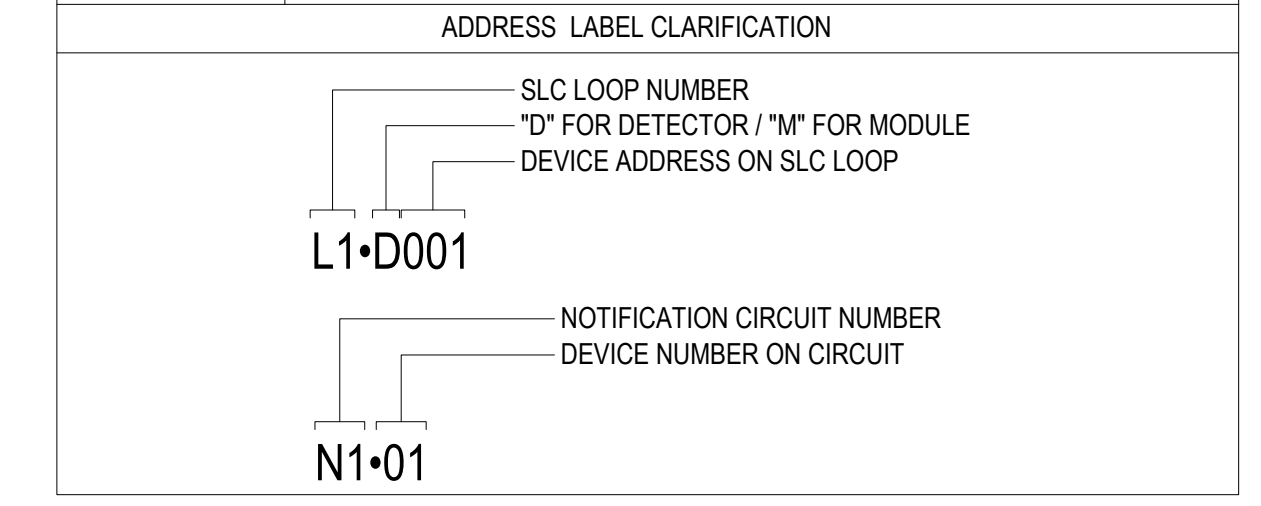




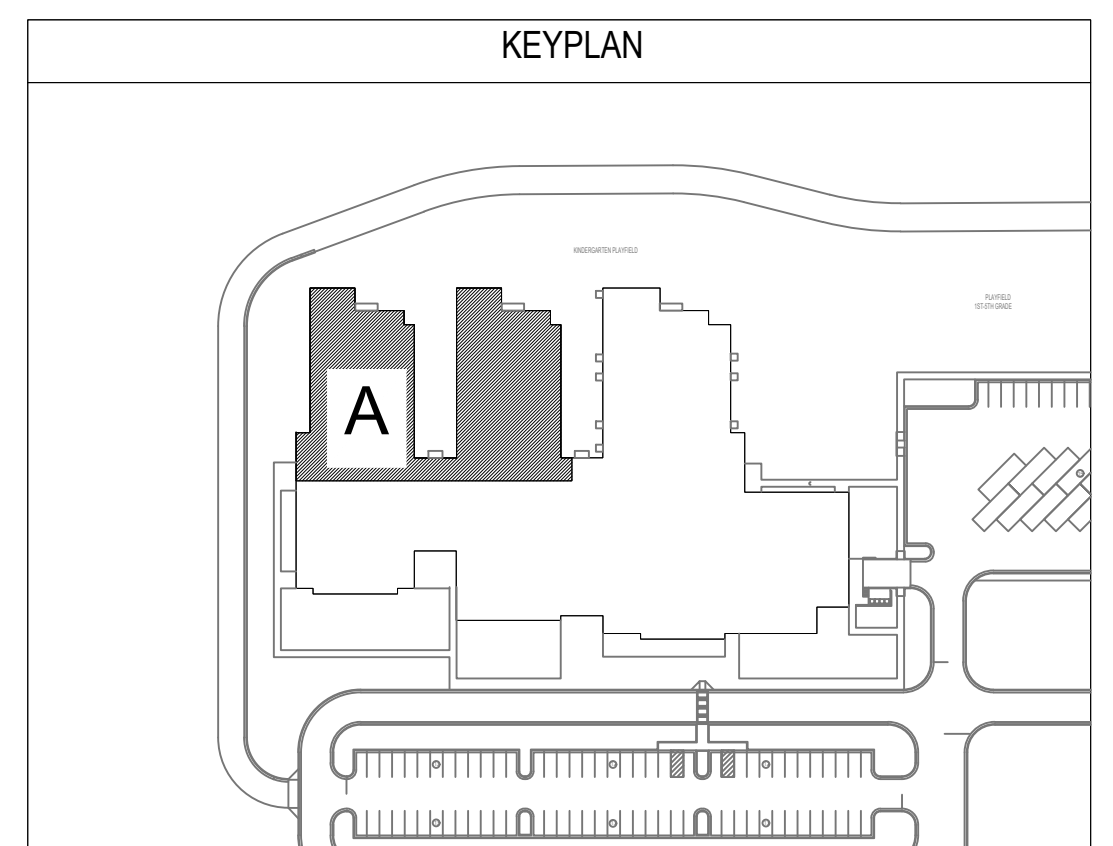
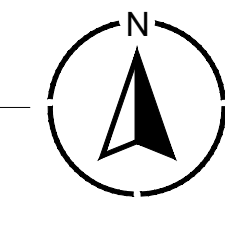
EQUIPMENT LIST	
SYMBOL	DESCRIPTION
[FACU]	FIRE ALARM CONTROL PANEL
[DOC]	FIRE ALARM DOCUMENT BOX
[NAC]	10.0 A REMOTE POWER SUPPLY
[NAC]	6.0 A REMOTE POWER SUPPLY
[FAA]	LCD ANNUNCIATOR
[AMP]	50 WATT VOICE EVACUATION PANEL
[F]	MANUAL PULL STATION W/ PROTECTIVE COVER
[AM]	MONITOR MODULE
[ADM]	RELAY MODULE
[S]	PHOTOELECTRIC DUCT DETECTOR
[S]	REMOTE TEST SWITCH
[H]	HEAT DETECTOR W/ STANDARD BASE
[S]	SMOKE DETECTOR W/ STANDARD BASE
[S]	SPEAKER/STROBE, WALL, RED
[S]	STROBE, WALL, RED
[DH]	24V DOOR HOLDER
[SS]	SURGE PROTECTOR

CABLE AND WIRE LEGEND		
LABEL	AWG	DESCRIPTION
A	18	ANN - 4 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
B	18	RTS - 4 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
D	18	SLC - 2 COND. SOLID COPPER FPLP ADDRESSABLE UNSHIELDED
D'	18	SLC - 2 COND. DIR. BURIAL SOLID COPPER FPLP ADDRESSABLE UNSHIELDED
P	14	AUX - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
S	16	SPK - 2 COND. SOLID COPPER FPLP ANALOG SHIELDED
V	14	NAC - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED

ABBREVIATIONS	
WF	WATERFLOW SWITCH
TS	TAMPER SWITCH
PIV	POST INDICATOR VALVE
DH	DOOR HOLDER RELEASE
HAT	ELEVATOR CAB SAFETY INDICATOR
SHUNT	ELEVATOR SHUNT TRIP OFF
PRIM	ELEVATOR RECALL TO PRIMARY LEVEL
ALT	ELEVATOR RECALL TO ALTERNATE LEVEL
RTU	ROOF TOP UNIT
CSFD	COMBINATION SMOKE FIRE DAMPER
HOOD	KITCHEN HOOD EXHAUST FAN
CHT	CEILING HEIGHT



1 UPPER LEVEL FLOOR PLAN - AREA A

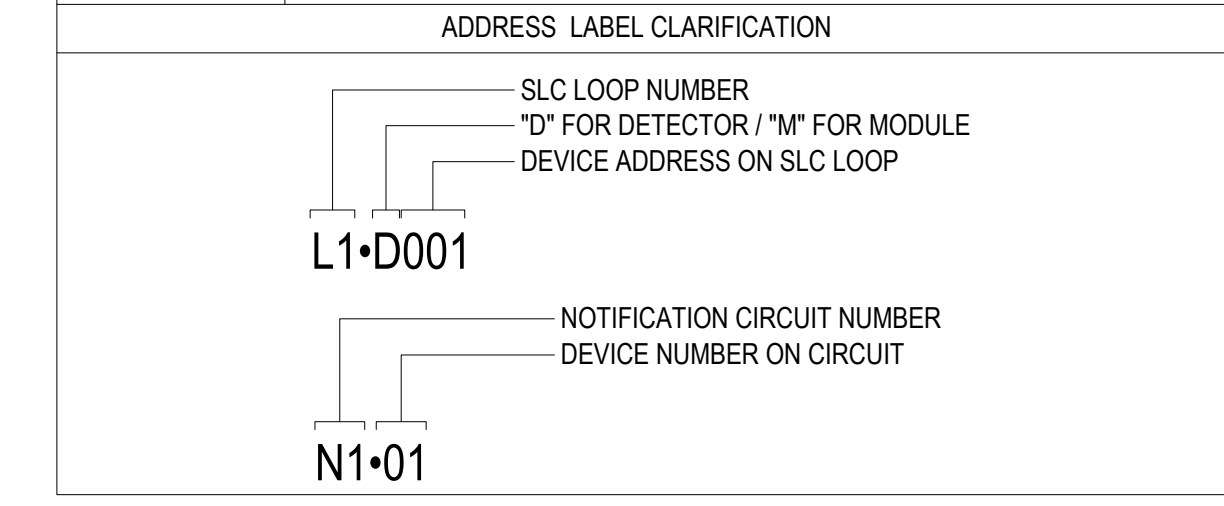




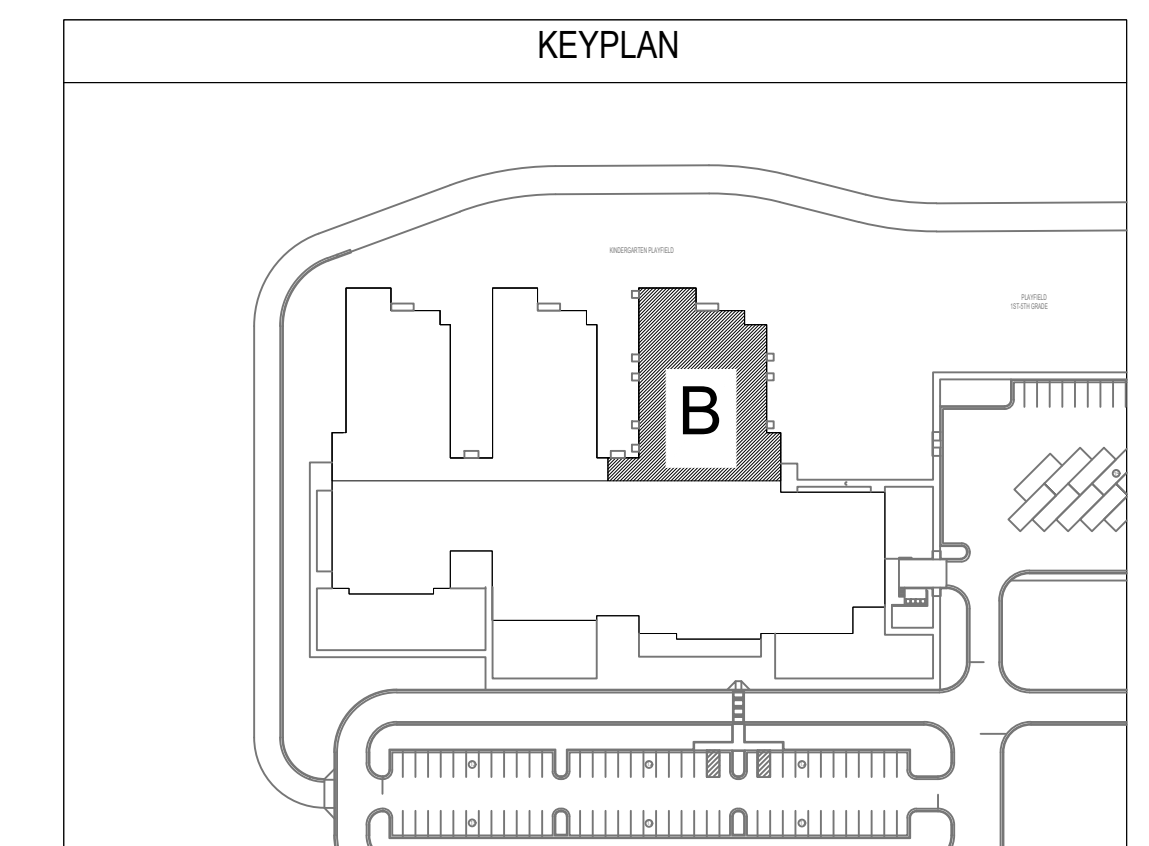
EQUIPMENT LIST	
SYMBOL	DESCRIPTION
[FACU]	FIRE ALARM CONTROL PANEL
[DOC]	FIRE ALARM DOCUMENT BOX
[NAC]	10.0 A REMOTE POWER SUPPLY
[NAC]	6.0 A REMOTE POWER SUPPLY
[FAA]	LCD ANNUNCIATOR
[AMP]	50 WATT VOICE EVACUATION PANEL
[F]	MANUAL PULL STATION W/ PROTECTIVE COVER
[AM]	MONITOR MODULE
[AM]	RELAY MODULE
[S]	PHOTOELECTRIC DUCT DETECTOR
[S]	REMOTE TEST SWITCH
[H]	HEAT DETECTOR W/ STANDARD BASE
[S]	SMOKE DETECTOR W/ STANDARD BASE
[S]	SPEAKER/STROBE, WALL, RED
[S]	STROBE, WALL, RED
[DH]	24V DOOR HOLDER
[SS]	SURGE PROTECTOR

CABLE AND WIRE LEGEND		
LABEL	AWG	DESCRIPTION
A	18	ANN - 4 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
B	18	RTS - 4 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
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D'	18	SLC - 2 COND. DIR. BURIAL SOLID COPPER FPLP ADDRESSABLE UNSHIELDED
P	14	AUX - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
S	16	SPK - 2 COND. SOLID COPPER FPLP ANALOG SHIELDED
V	14	NAC - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED

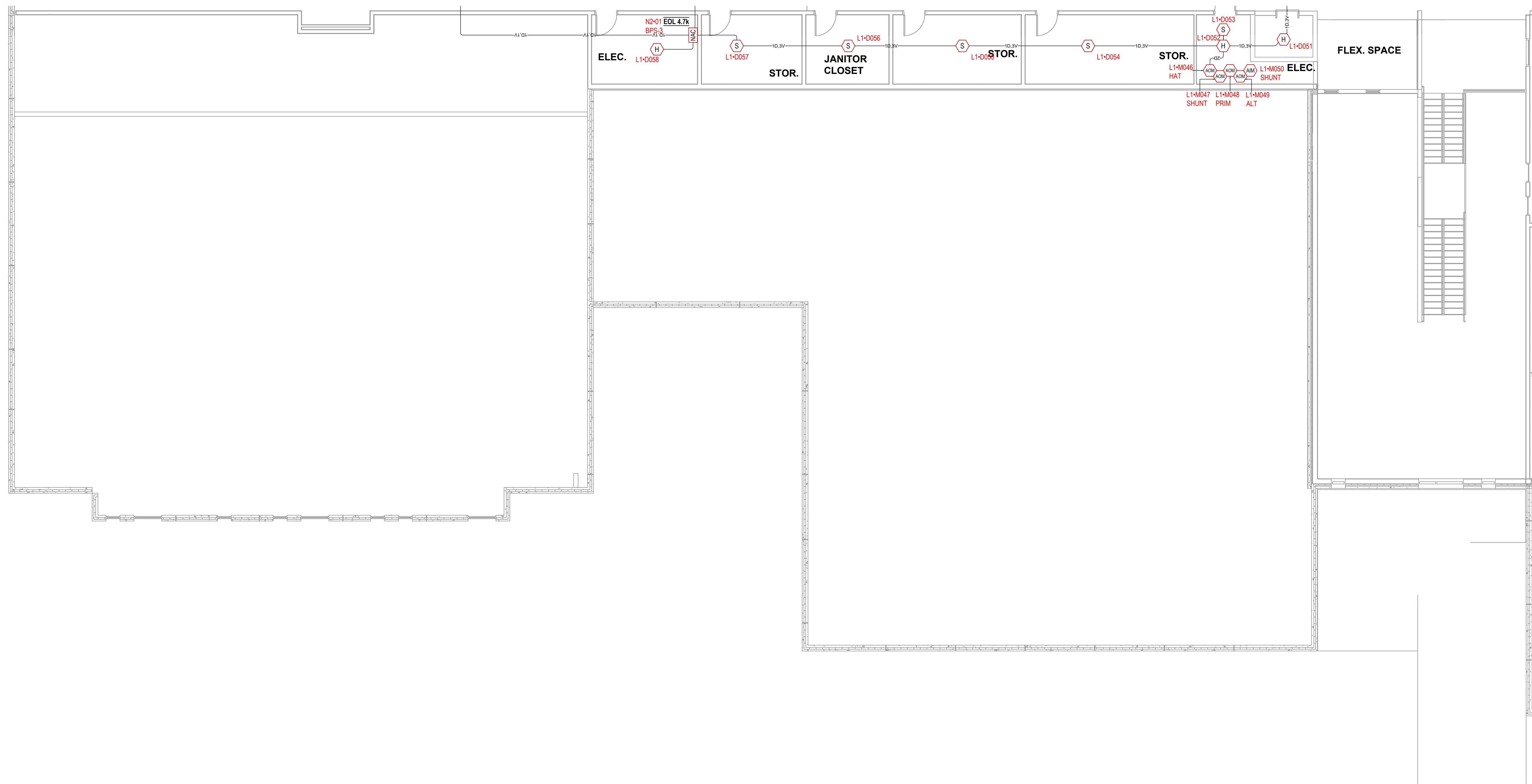
ABBREVIATIONS	
WF	WATERFLOW SWITCH
TS	TAMPER SWITCH
PIV	POST INDICATOR VALVE
DH	DOOR HOLDER RELEASE
HAT	ELEVATOR CAB SAFETY INDICATOR
SHUNT	ELEVATOR SHUNT TRIP OFF
PRIM	ELEVATOR RECALL TO PRIMARY LEVEL
ALT	ELEVATOR RECALL TO ALTERNATE LEVEL
RTU	ROOF TOP UNIT
CSFD	COMBINATION SMOKE FIRE DAMPER
HOOD	KITCHEN HOOD EXHAUST FAN
CHT	CEILING HEIGHT



1 UPPER LEVEL FLOOR PLAN - AREA B



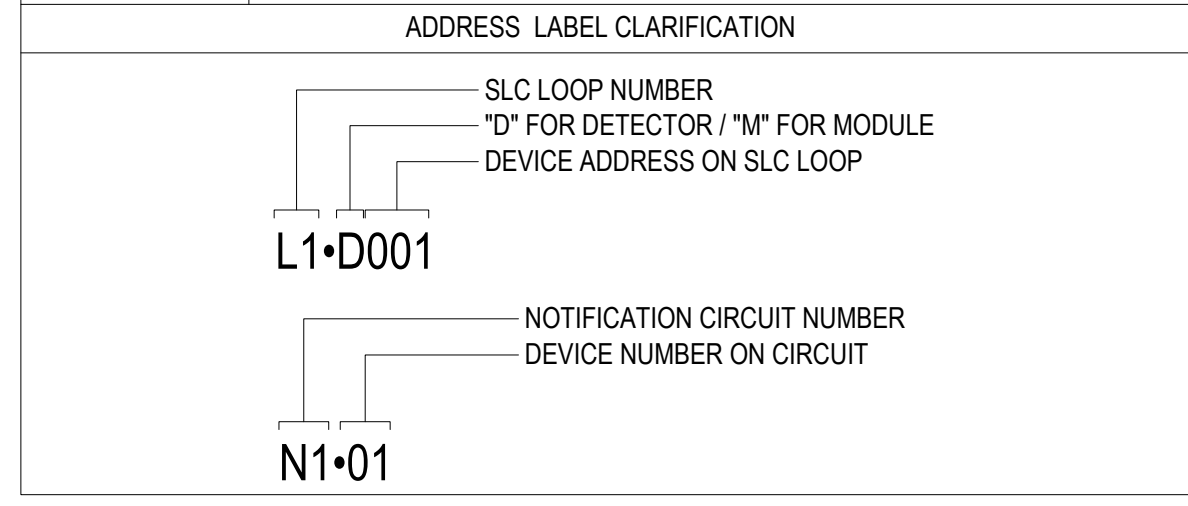




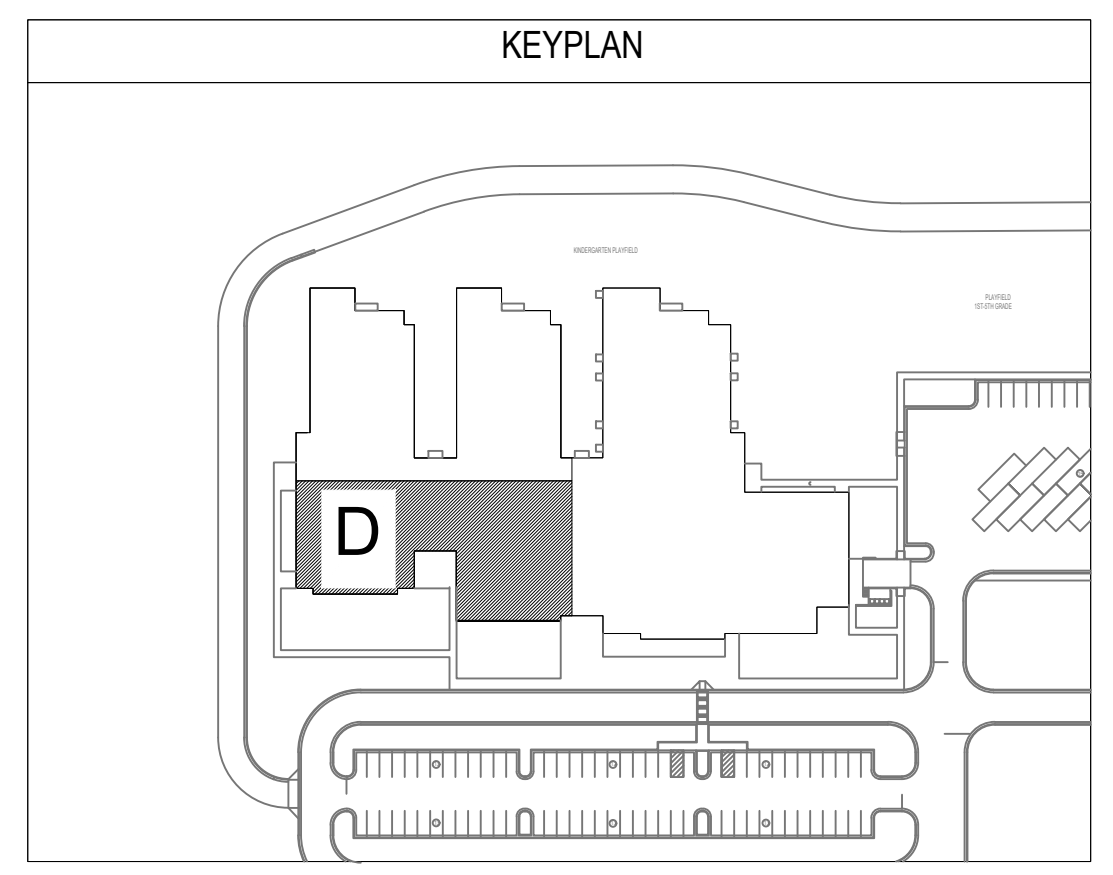
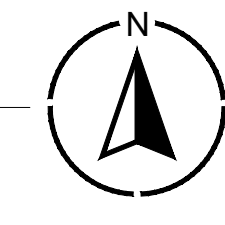
EQUIPMENT LIST	
SYMBOL	DESCRIPTION
[FACU]	FIRE ALARM CONTROL PANEL
[DOC]	FIRE ALARM DOCUMENT BOX
[NAC]	10.0 A REMOTE POWER SUPPLY
[NAC]	6.0 A REMOTE POWER SUPPLY
[FAA]	LCD ANNUNCIATOR
[AMP]	50 WATT VOICE EVACUATION PANEL
[F]	MANUAL PULL STATION W/ PROTECTIVE COVER
[AM]	MONITOR MODULE
[AM]	RELAY MODULE
[S]	PHOTOELECTRIC DUCT DETECTOR
[ST]	REMOTE TEST SWITCH
[H]	HEAT DETECTOR W/ STANDARD BASE
[S]	SMOKE DETECTOR W/ STANDARD BASE
[ST]	SPEAKER/STROBE, WALL, RED
[ST]	STROBE, WALL, RED
[DH]	24V DOOR HOLDER
[SS]	SURGE PROTECTOR

CABLE AND WIRE LEGEND		
LABEL	AWG	DESCRIPTION
A	18	ANN - 4 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
B	18	RTS - 4 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
D	18	SLC - 2 COND. SOLID COPPER FPLP ADDRESSABLE UNSHIELDED
D'	18	SLC - 2 COND. DIR. BURIAL SOLID COPPER FPLP ADDRESSABLE UNSHIELDED
P	14	AUX - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED
S	16	SPK - 2 COND. SOLID COPPER FPLP ANALOG SHIELDED
V	14	NAC - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED

ABBREVIATIONS	
WF	WATERFLOW SWITCH
TS	TAMPER SWITCH
PIV	POST INDICATOR VALVE
DH	DOOR HOLDER RELEASE
HAT	ELEVATOR CAB SAFETY INDICATOR
SHUNT	ELEVATOR SHUNT TRIP OFF
PRIM	ELEVATOR RECALL TO PRIMARY LEVEL
ALT	ELEVATOR RECALL TO ALTERNATE LEVEL
RTU	ROOF TOP UNIT
CSFD	COMBINATION SMOKE FIRE DAMPER
HOOD	KITCHEN HOOD EXHAUST FAN
CHT	CEILING HEIGHT



1 UPER LEVEL FLOOR PLAN - AREA D

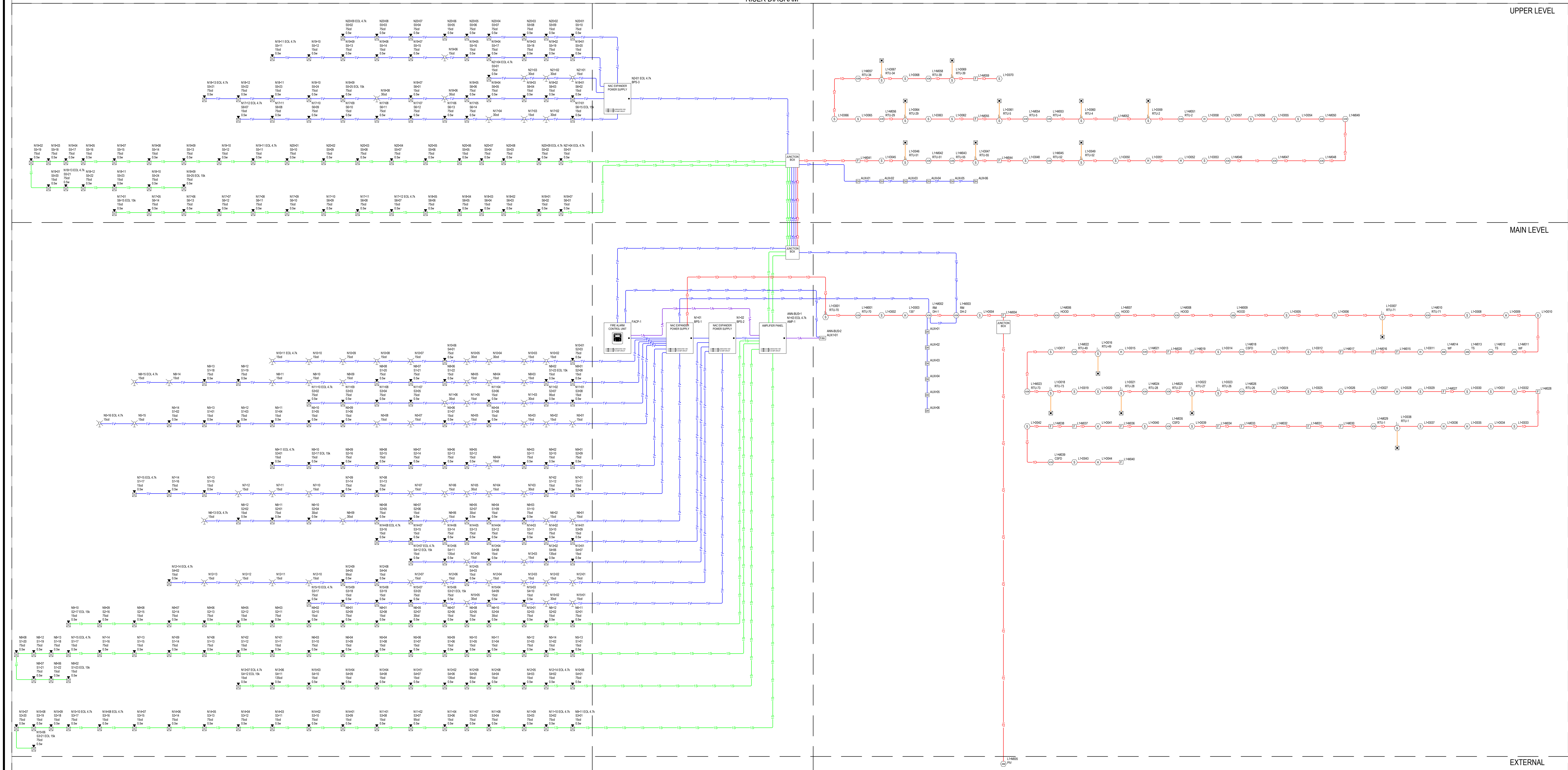


RISER DIAGRAM

UPPER LEVEL

MAIN LEVEL

EXTERNAL





PANEL AMP-1 (ECC-50100 (50W, 25V)) BATTERY CALCULATION							
PANEL POWER SUPPLY MAX CURRENT = 7.5A (SECONDARY POWER SOURCE REQUIREMENTS)				TOTAL USED CAPACITY (IN ALARM) = 3.13A (41.73%)			
		STANDBY CURRENT (AMPS)		SECONDARY ALARM CURRENT (AMPS)			
PANEL COMPONENTS	QTY	PART NO.	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
	1	ECC-50100 Main Board (50W, 25V)	Main Board for ECC-50100	0.272	0.272	0.446	0.446
	1	ECC-50W-25V	25V, 50 Watt Audio Amplifier Module	0.1	0.1	0.235	0.235
	1	ECC-CE6 (25V)	Speaker Circuit/Zone Expander Module	0.02	0.02	0.189	0.189
CIRCUIT	SYMBOL	QTY	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
AMP-1-S1	▼	23	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.02	0.46
AMP-1-S2	▼	17	SPSRL Speaker/Stroke Wall Mount, Red 0.5w	0	0	0.02	0.34
AMP-1-S3	▼	21	SPSRL Speaker/Stroke Wall Mount, Red 0.5w	0	0	0.02	0.42
AMP-1-S4	▼	12	SPSRL Speaker/Stroke Wall Mount, Red 0.5w	0	0	0.02	0.24
AMP-1-S5	▼	25	SPSRL Speaker/Stroke Wall Mount, Red 0.5w	0	0	0.02	0.5
AMP-1-S6	▼	15	SPSRL Speaker/Stroke Wall Mount, Red 0.5w	0	0	0.02	0.3
TOTAL STANDBY (A)				0.392		TOTAL ALARM (A)	
SECONDARY STANDBY LOAD (A)				0.392	24	9.41	
SECONDARY ALARM LOAD (A)				3.13	0.25	16.19	
STANDBY AND ALARM SUBTOTAL (AMP HOURS)						1.2	
DERATING FACTOR						12.23	
SECONDARY LOAD REQUIREMENTS (AMP HOURS)						PROVIDE (2) 12V 18AH BATTERIES	

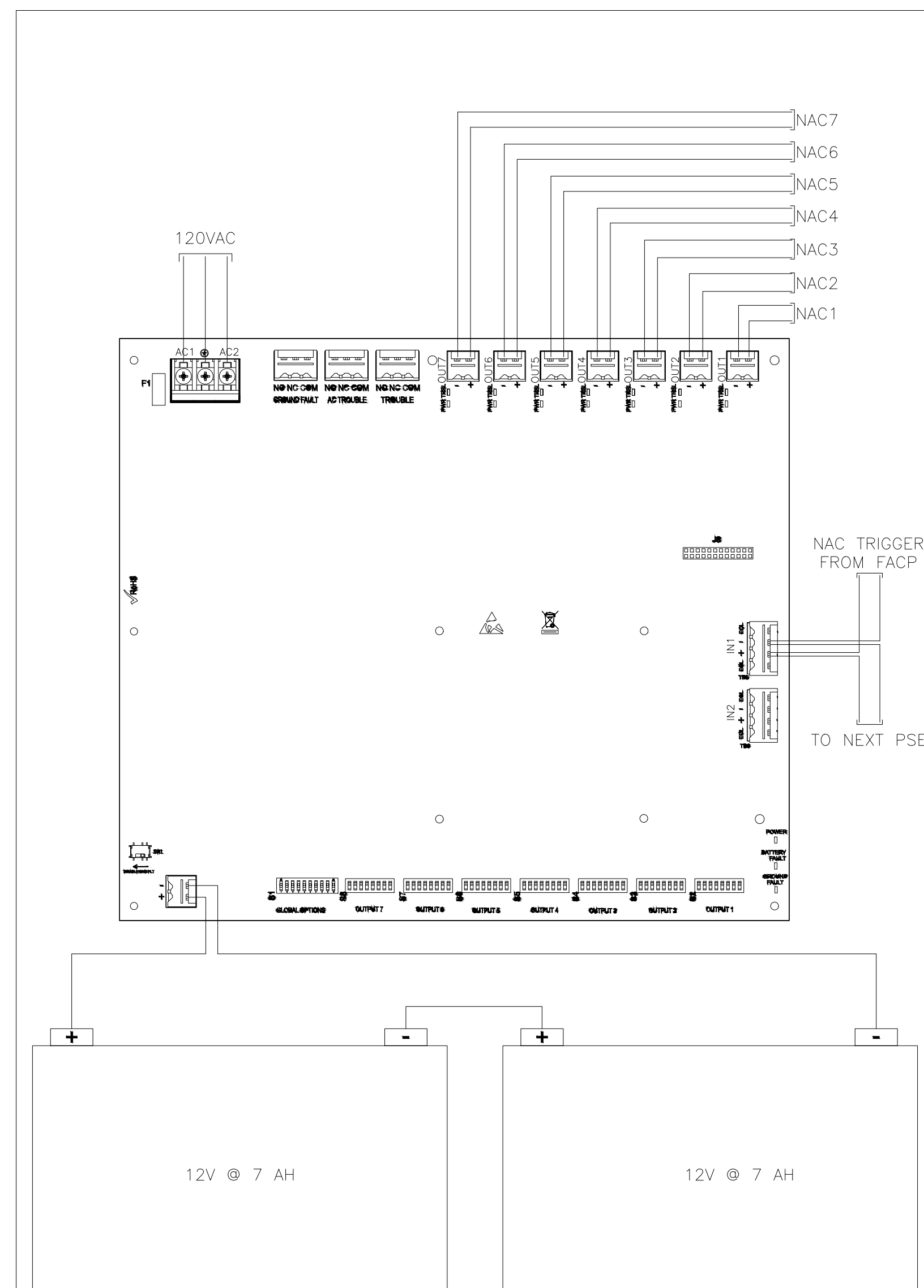
PANEL BPS-1 (FL-PS10) BATTERY CALCULATION							
PANEL POWER SUPPLY MAX CURRENT = 10A (SECONDARY POWER SOURCE REQUIREMENTS)				TOTAL USED CAPACITY (IN ALARM) = 5.951A (59.51%)			
		STANDBY CURRENT (AMPS)		SECONDARY ALARM CURRENT (AMPS)			
PANEL COMPONENTS	QTY	PART NO.	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
	1	FL-PS10 MAIN BOARD	Fire Alarm Power Supply Main Board	0.156	0.156	0.185	0.185
CIRCUIT	SYMBOL	QTY	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
BPS-1-AUX1	DH	6	FM998 24V Door Holder	0.02	0.12	0	0
BPS-1-AUX2	DH	6	FM998 24V Door Holder	0.02	0.12	0	0
BPS-1-N10	▼	2	SRL Strobe, Red 15cd	0	0	0.107	0.214
	▼	6	SRL Strobe, Red 15cd	0	0	0.043	0.258
	▼	2	SRL Strobe, Red 30cd	0	0	0.063	0.126
	▼	1	SRL Strobe, Red 75cd	0	0	0.107	0.107
	▼	2	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.043	0.086
	▼	4	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.107	0.428
BPS-1-N11	▼	1	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.155	0.155
	▼	1	SRL Strobe, Red 15cd	0	0	0.043	0.043
	▼	2	SRL Strobe, Red 30cd	0	0	0.063	0.126
BPS-1-N5	▼	7	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.043	0.301
	▼	1	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.043	0.107
	▼	8	SRL Strobe, Red 15cd	0	0	0.043	0.344
BPS-1-N6	▼	3	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.043	0.129
	▼	1	SPSRL Speaker/Stroke Wall Mount, Red 30cd	0	0	0.063	0.063
	▼	1	SPSRL Speaker/Stroke Wall Mount, Red 30cd	0	0	0.083	0.083
BPS-1-N6	▼	2	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.107	0.214
	▼	1	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.136	0.136
	▼	4	SRL Strobe, Red 15cd	0	0	0.043	0.172
	▼	1	SRL Strobe, Red 30cd	0	0	0.063	0.063
BPS-1-N7	▼	4	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.043	0.172
	▼	3	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.107	0.321
	▼	6	SRL Strobe, Red 15cd	0	0	0.043	0.258
	▼	2	SRL Strobe, Red 30cd	0	0	0.083	0.166
BPS-1-N8	▼	3	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.043	0.129
	▼	4	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.107	0.428
	▼	8	SRL Strobe, Red 15cd	0	0	0.043	0.344
BPS-1-N9	▼	5	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.043	0.215
	▼	1	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.107	0.535
	▼	1	SRL Strobe, Red 15cd	0	0	0.043	0.043
TOTAL STANDBY (A)				0.396		TOTAL ALARM (A)	
SECONDARY STANDBY LOAD (A)				0.396	24	9.5	
SECONDARY ALARM LOAD (A)				5.951	0.25	1.49	
STANDBY AND ALARM SUBTOTAL (AMP HOURS)						10.99	
DERATING FACTOR						1.2	
SECONDARY LOAD REQUIREMENTS (AMP HOURS)						13.19	
PROVIDE (2) 12V 18AH BATTERIES							

\*BATTERY BOX SIZE CAPACITY NOT SPECIFIED. REFER TO MANUFACTURER DOCUMENTATION

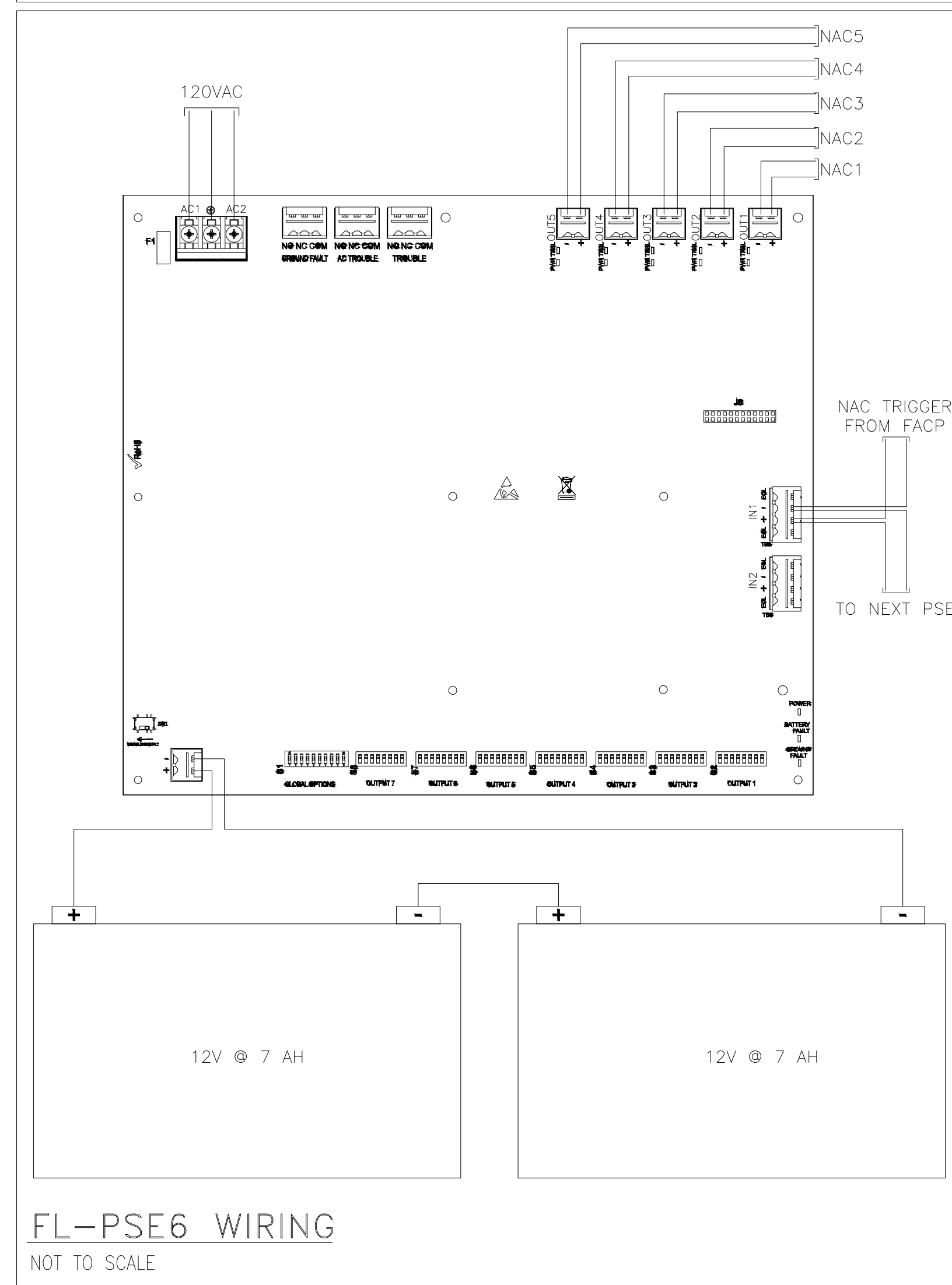
PANEL BPS-2 (FL-PS6) BATTERY CALCULATION							
PANEL POWER SUPPLY MAX CURRENT = 6A (SECONDARY POWER SOURCE REQUIREMENTS)				TOTAL USED CAPACITY (IN ALARM) = 2.732A (45.53%)			
		STANDBY CURRENT (AMPS)		SECONDARY ALARM CURRENT (AMPS)			
PANEL COMPONENTS	QTY	PART NO.	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
	1	FL-PS6 MAIN BOARD	Fire Alarm Power Supply Main Board	0.139	0.139	0.157	0.157
CIRCUIT	SYMBOL	QTY	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
BPS-2-N12	▼	3	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.043	0.129
	▼	1	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.121	0.121
	▼	10	SRL Strobe, Red 15cd	0	0	0.043	0.43
BPS-2-N13	▼	3	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.043	0.129
	▼	2	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.209	0.418
	▼	2	SRL Strobe, Red 15cd	0	0	0.043	0.086
BPS-2-N14	▼	4	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.043	0.172
	▼	4	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.107	0.428
	▼	4	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.043	0.172
BPS-2-N15	▼	3	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.107	0.321
	▼	1	SRL Strobe, Red 15cd	0	0	0.043	0.043
	▼	2	SRL Strobe, Red 30cd	0	0	0.063	0.126
TOTAL STANDBY (A)				0.139		TOTAL ALARM (A)	
SECONDARY STANDBY LOAD (A)				0.139	24	3.34	
SECONDARY ALARM LOAD (A)				2.732	0.25	0.68	
STANDBY AND ALARM SUBTOTAL (AMP HOURS)						4.02	
DERATING FACTOR						1.2	
SECONDARY LOAD REQUIREMENTS (AMP HOURS)						4.82	
PROVIDE (2) 12V 7AH BATTERIES							

PANEL BPS-3 (FL-PS6) BATTERY CALCULATION							
PANEL POWER SUPPLY MAX CURRENT = 6A (SECONDARY POWER SOURCE REQUIREMENTS)				TOTAL USED CAPACITY (IN ALARM) = 3.92A (65.33%)			
		STANDBY CURRENT (AMPS)		SECONDARY ALARM CURRENT (AMPS)			
PANEL COMPONENTS	QTY	PART NO.	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
	1	FL-PS6 MAIN BOARD	Fire Alarm Power Supply Main Board	0.139	0.139	0.157	0.157
CIRCUIT	SYMBOL	QTY	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
BPS-3-N17	▼	6	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.107	0.642
	▼	2	SRL Strobe, Red 15cd	0	0	0.043	0.143
	▼	1	SRL Strobe, Red 30cd	0	0	0.063	0.063
BPS-3-N18	▼	5	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.043	0.215
	▼	6	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.107	0.126
	▼	2	SRL Strobe, Red 30cd	0	0	0.063	0.126
BPS-3-N19	▼	5	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.043	0.215
	▼	1	SRL Strobe, Red 15cd	0	0	0.043	0.043
BPS-3-N20	▼	7	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.107	0.749
	▼	1	SPSRL Speaker/Stroke Wall Mount, Red 15cd	0	0	0.043	0.043
BPS-3-N21	▼	1	SRL Strobe, Red 15cd	0	0	0.043	0.043
	▼	2	SRL Strobe, Red 30cd	0	0	0.063	0.126
TOTAL STANDBY (A)				0.139		TOTAL ALARM (A)	
SECONDARY STANDBY LOAD (A)				0.139	24	3.34	
SECONDARY ALARM LOAD (A)				3.92	0.25	0.98	
STANDBY AND ALARM SUBTOTAL (AMP HOURS)						4.32	
DERATING FACTOR						1.2	
SECONDARY LOAD REQUIREMENTS (AMP HOURS)						5.18	
PROVIDE (2) 12V 7AH BATTERIES							

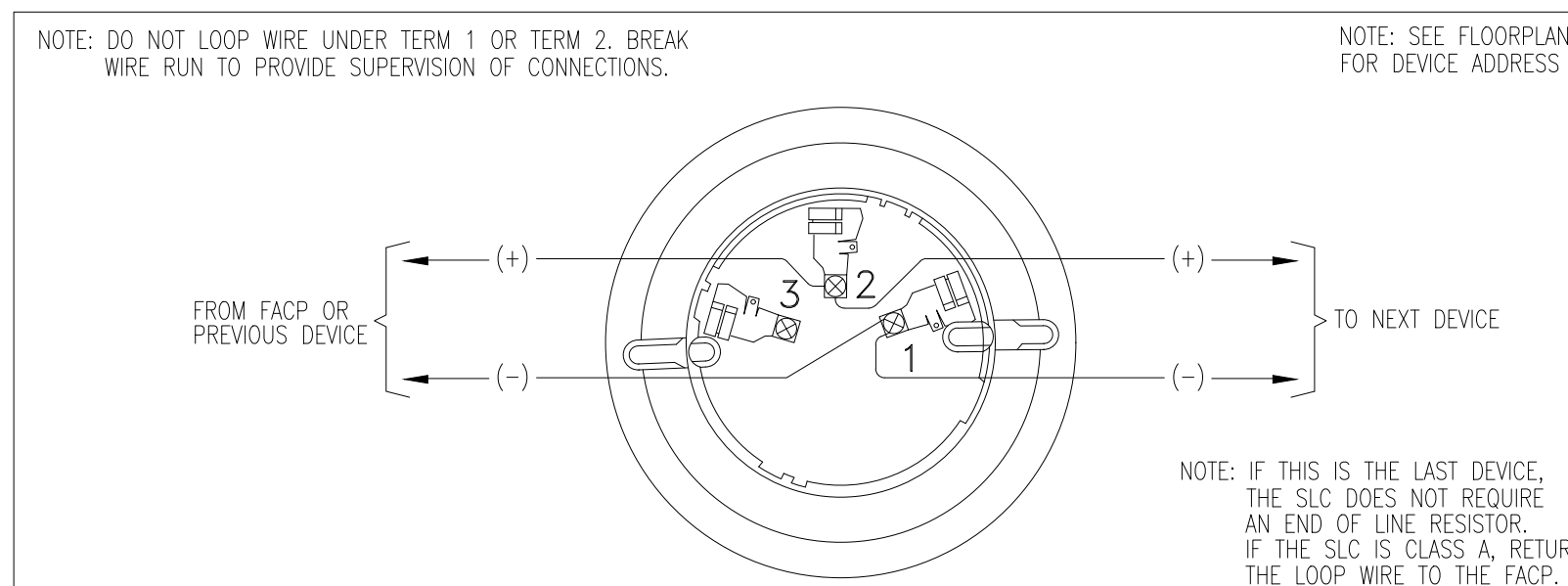
PANEL FAC-1 (MS-9600DLS) BATTERY CALCULATION							
PANEL POWER SUPPLY MAX CURRENT = 7A (SECONDARY POWER SOURCE REQUIREMENTS)				TOTAL USED CAPACITY (IN ALARM) = 1.0325A (14.75%)			
		STANDBY CURRENT (AMPS)		SECONDARY ALARM CURRENT (AMPS)			
PANEL COMPONENTS	QTY	PART NO.	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
	1	MS-9600DLS Main Board	Intelligent Addressable FAC with Optional 2nd Loop, DACT-UD2 Main Board	0.103	0.103	0.253	0.253
CIRCUIT	SYMBOL	QTY	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
FAC-1-ANN-BUS	FAA	1	ANN-80 80 Character LCD Remote Fire Annunciator, Black	0	0	0	0
FAC-1-AUX1	FAA	1	ANN-80 80 Character LCD Remote Fire Annunciator, Black	0.015	0.015	0.04	0.04
	F	22	BG-12LX Addressable manual pull station with interface module mounted inside	0.000375	0.00825	0.005	0.11
FAC-1-L1	MA	29	CRF-300 Addressable relay module containing two isolated sets of Form-C contacts, which operate as a DPDT switch. Mounts directly to a 4.0" (10.16 cm) box, surface mount using the SMB500, Contact Input	0.000255	0.007395	0.0065	0.1885
	D	17	D35PL Intelligent Non-Relay Photoelectric Duct Detector	0.0003	0.0051	0.0065	0.1105
	H	12	H365 w/B300-6 White, Low-profile 150°F fixed thermal sensor, Standard Base	0.0002	0.0024	0.0045	0.054
	AM	8	MMF-300 Addressable Monitor Module W/FlashScan, Supervises Class A or Class B of Dry Contact Input	0.000375	0.003	0.005	0.04
	S	41	SD365 w/B300-6 White, Addressable photoelectric detector, Standard Base	0.0002	0.0082	0.0045	0.1845
FAC-1-N1	AMP	1	ECC-50100 (50W, 25V) (Primary Operating Console) 50 Watt, 25V RMS single speaker zone emergency voice evacuation system, integral microphone, built in tone generator and 14 recordable messages.	0	0	0.01	0.01
	NAC	1	FL-PS10 10.0 A, 120 VAC remote charger power supply in a lockable, metal enclosure	0.014	0.014	0.014	0.014
	NAC	1	FL-PS6 10.0 A, 120 VAC remote charger power supply in a lockable metal enclosure	0.014	0.014	0.014	0.014
FAC-1-N2	NAC	1	FL-PS6 10.0 A, 120 VAC remote charger power supply in a lockable metal enclosure	0.014	0.014	0.014	0.014
TOTAL STANDBY (A)				0.194345		TOTAL ALARM (A)	
SECONDARY STANDBY LOAD (A)				0.194345	24	4.66	
SECONDARY ALARM LOAD (A)				1.0325	0.25	0.26	
STANDBY AND ALARM SUBTOTAL (AMP HOURS)						4.92	
DERATING FACTOR						1.2	
SECONDARY LOAD REQUIREMENTS (AMP HOURS)						5.91	
PROVIDE (2) 12V 7AH BATTERIES							



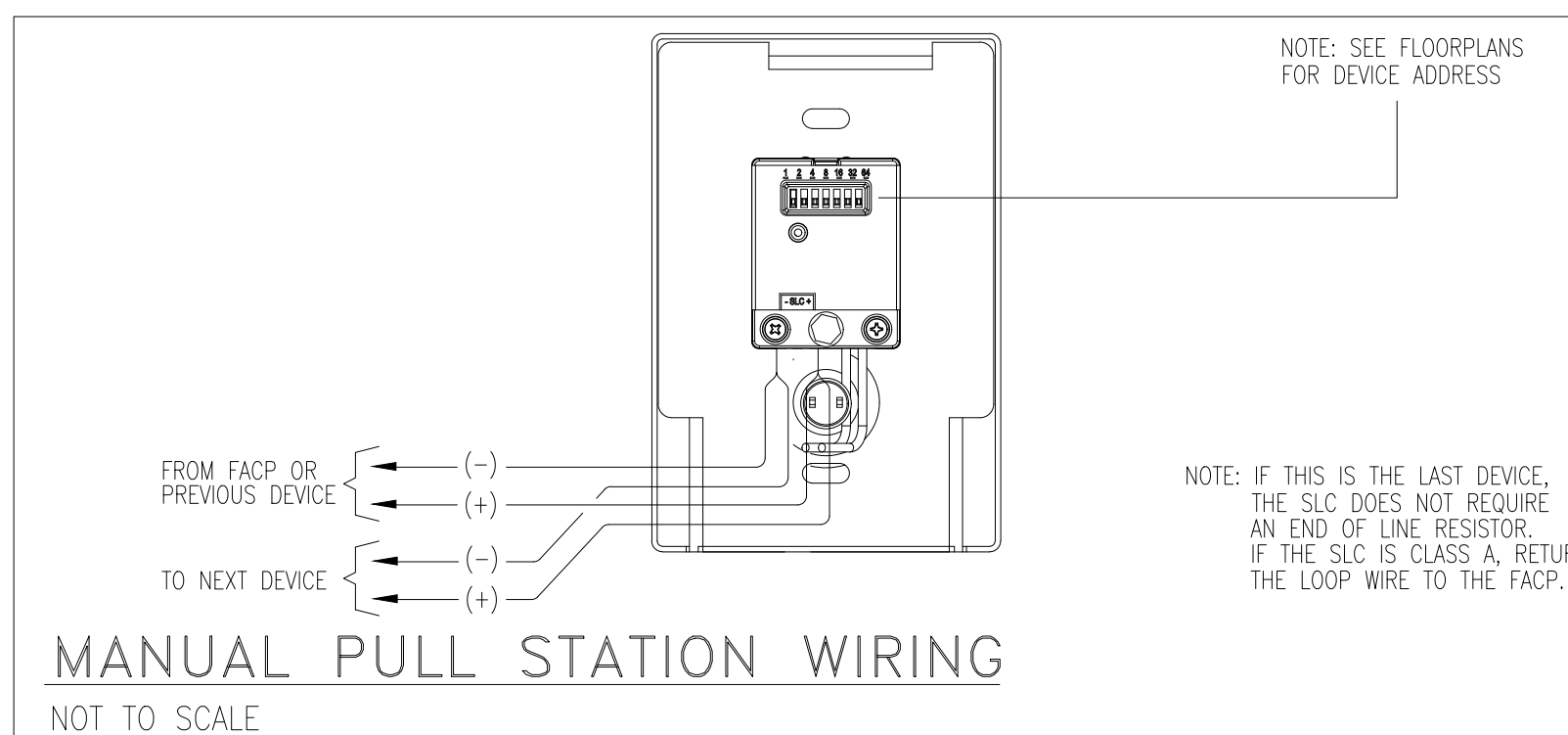
FL-PSE10 WIRING  
NOT TO SCALE



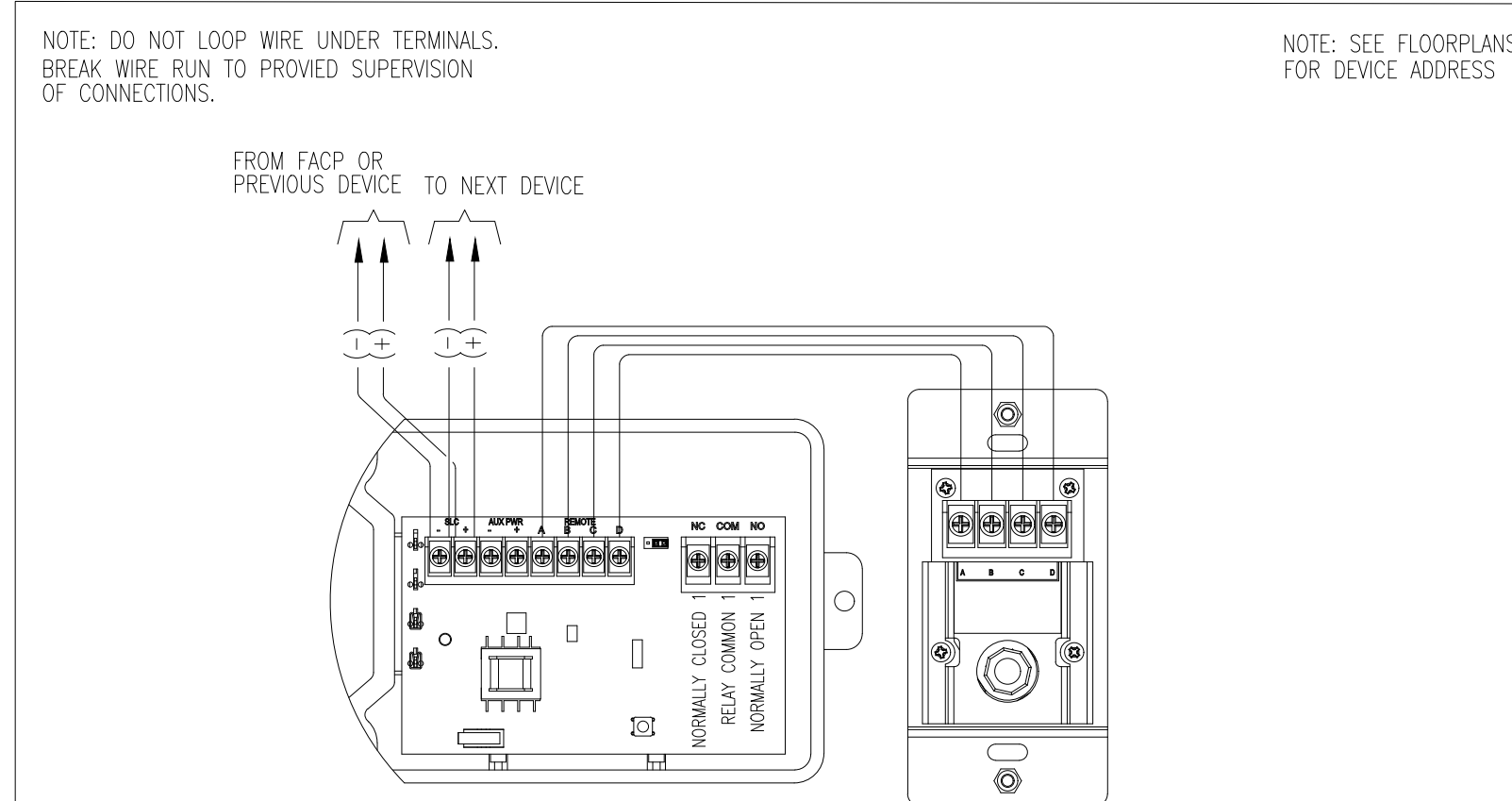
FL-PSE6 WIRING  
NOT TO SCALE



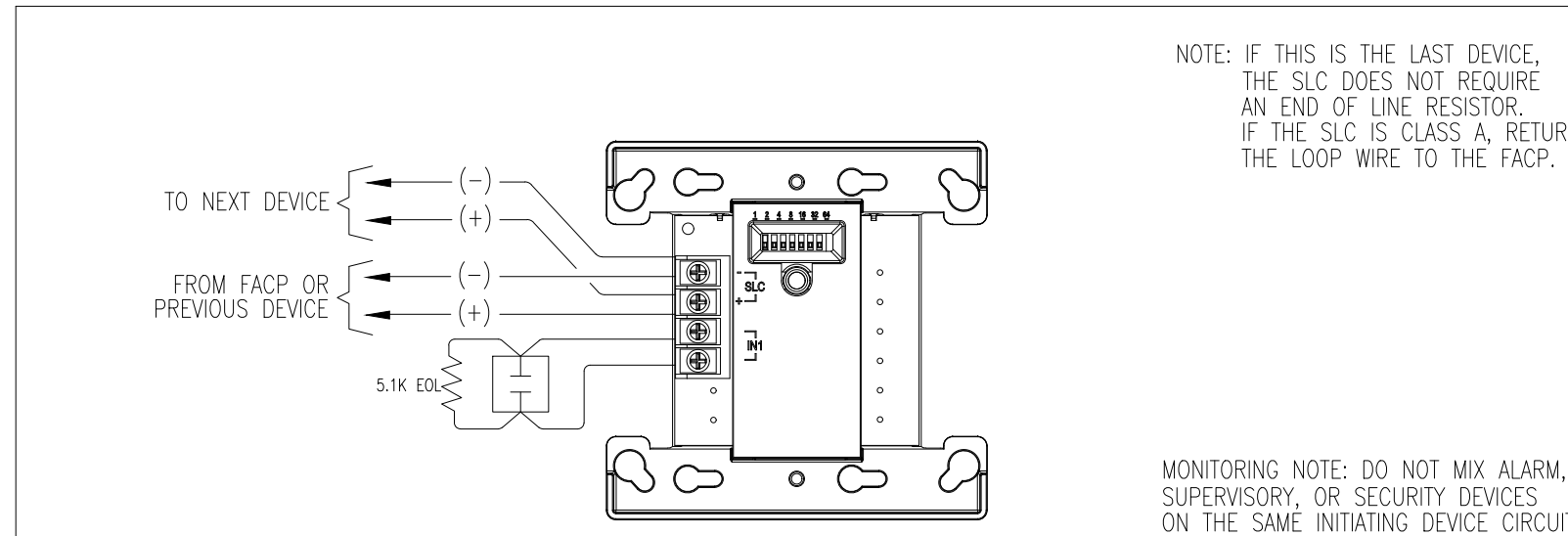
SMOKE/HEAT DETECTOR WIRING  
NOT TO SCALE



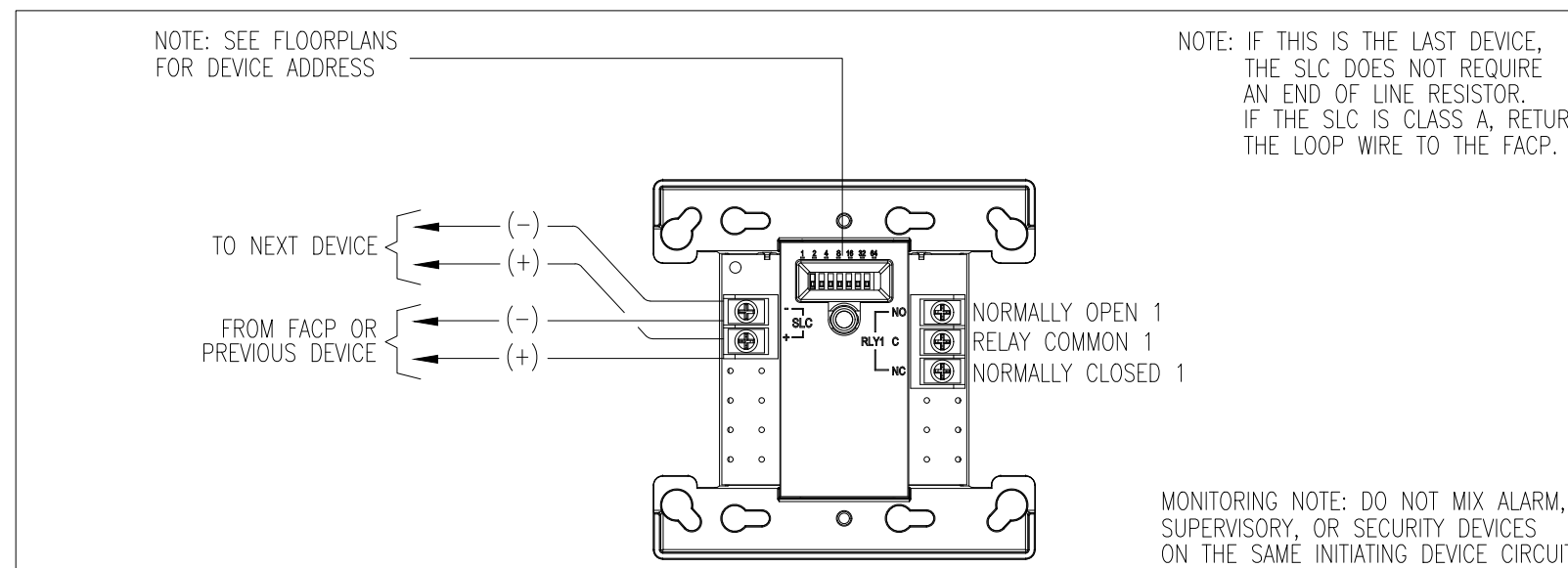
MANUAL PULL STATION WIRING  
NOT TO SCALE



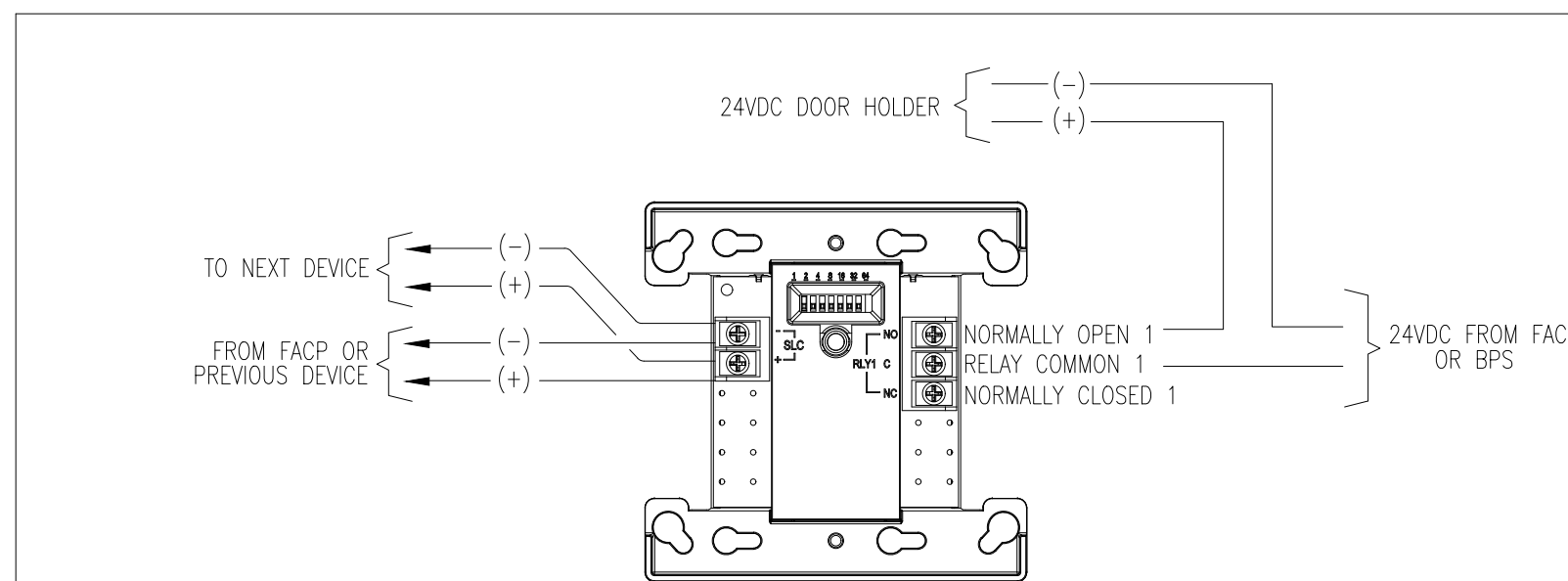
DUCT SMOKE DETEC. W/ REMOTE TEST SWITCH  
NOT TO SCALE



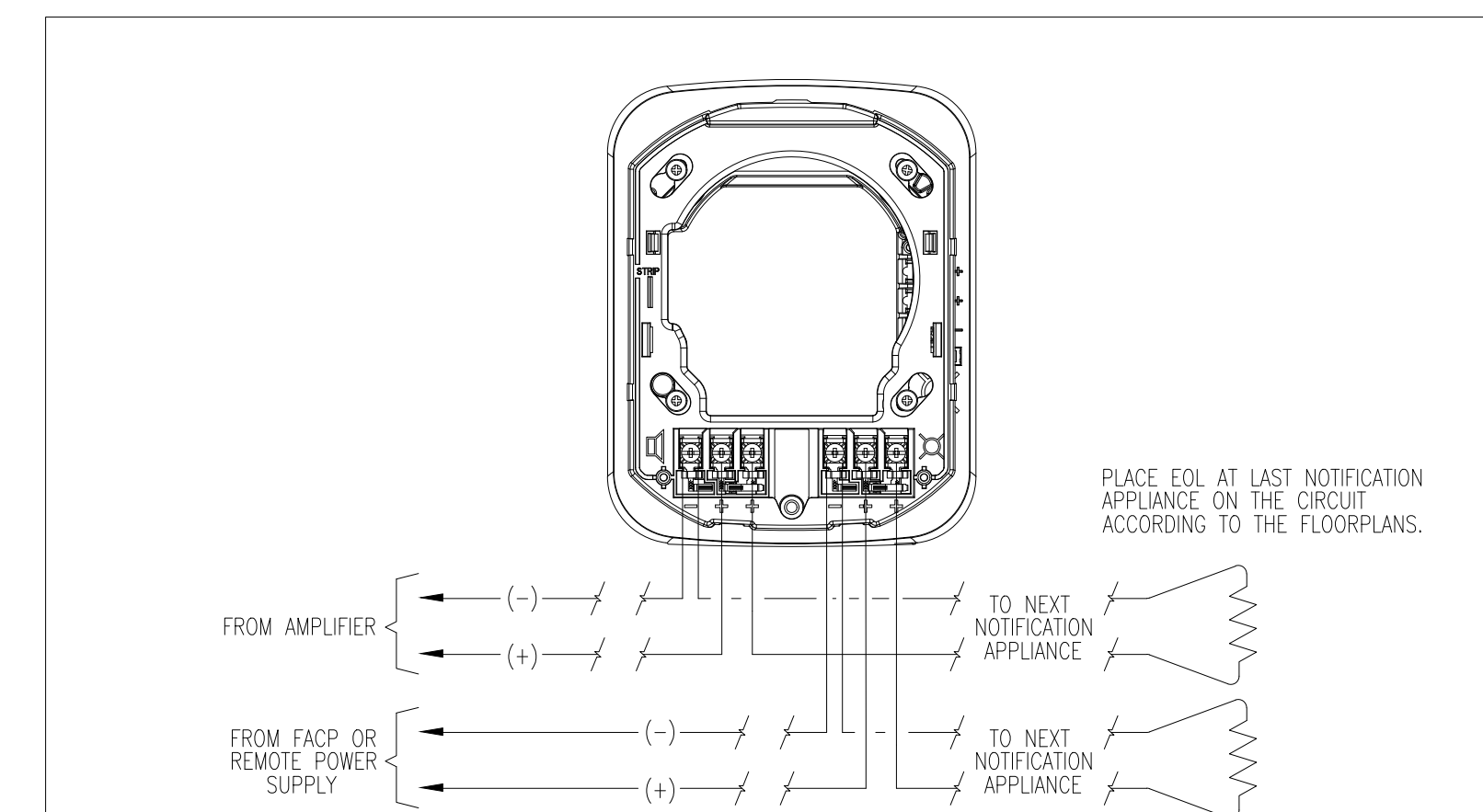
SINGLE MONITOR MODULE WIRING  
NOT TO SCALE



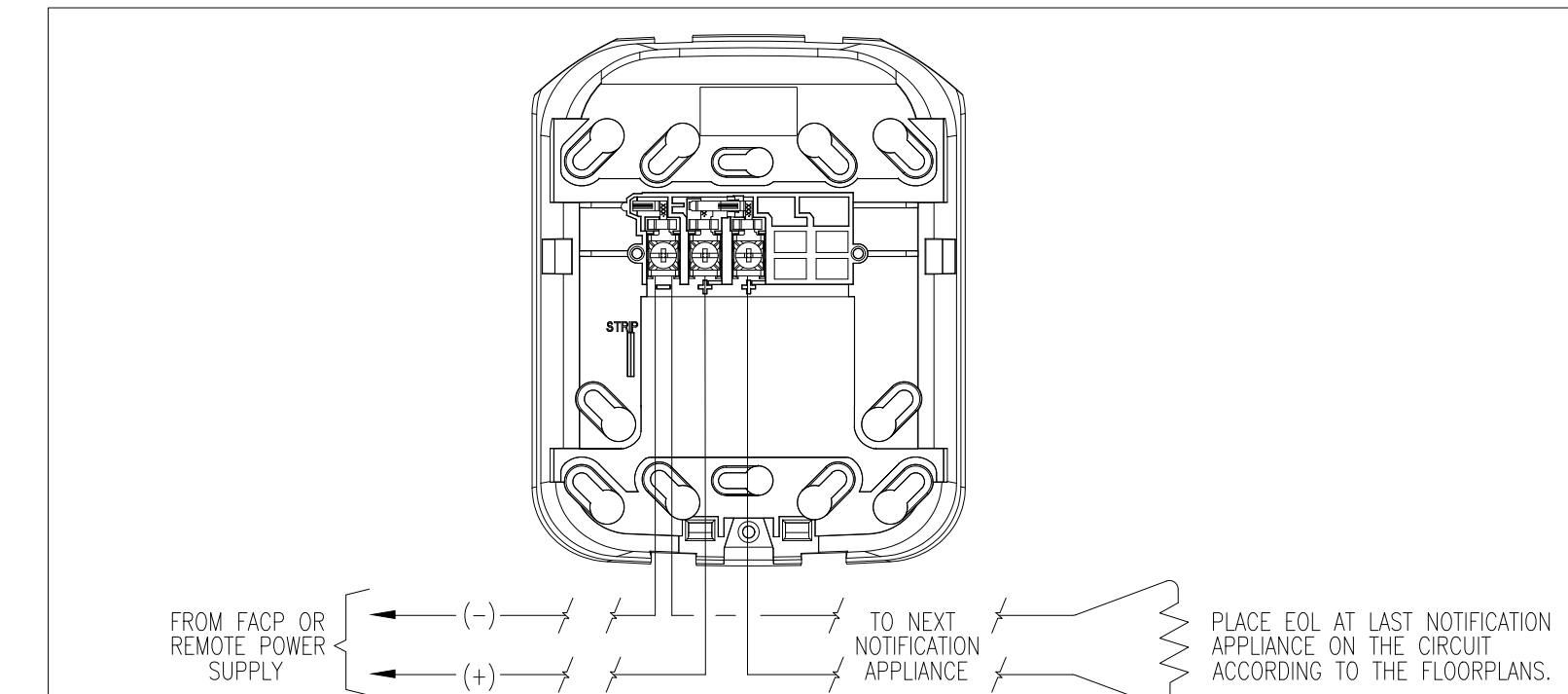
RELAY MODULE WIRING  
NOT TO SCALE



RELAY MOD. WIRING FOR DOOR HOLDER  
NOT TO SCALE



WALL MOUNT SPEAKER/STROBE WIRING  
NOT TO SCALE



WALL MOUNT STROBE WIRING  
NOT TO SCALE