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UNIVERSITY OF NEW ENGLAND
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RENOVATIONS TO THE
 STEVENS AVENUE ARMORY

FIRE ALARM
 RISER
 DIAGRAM
 AND DETAILS

SCALE: AS NOTED

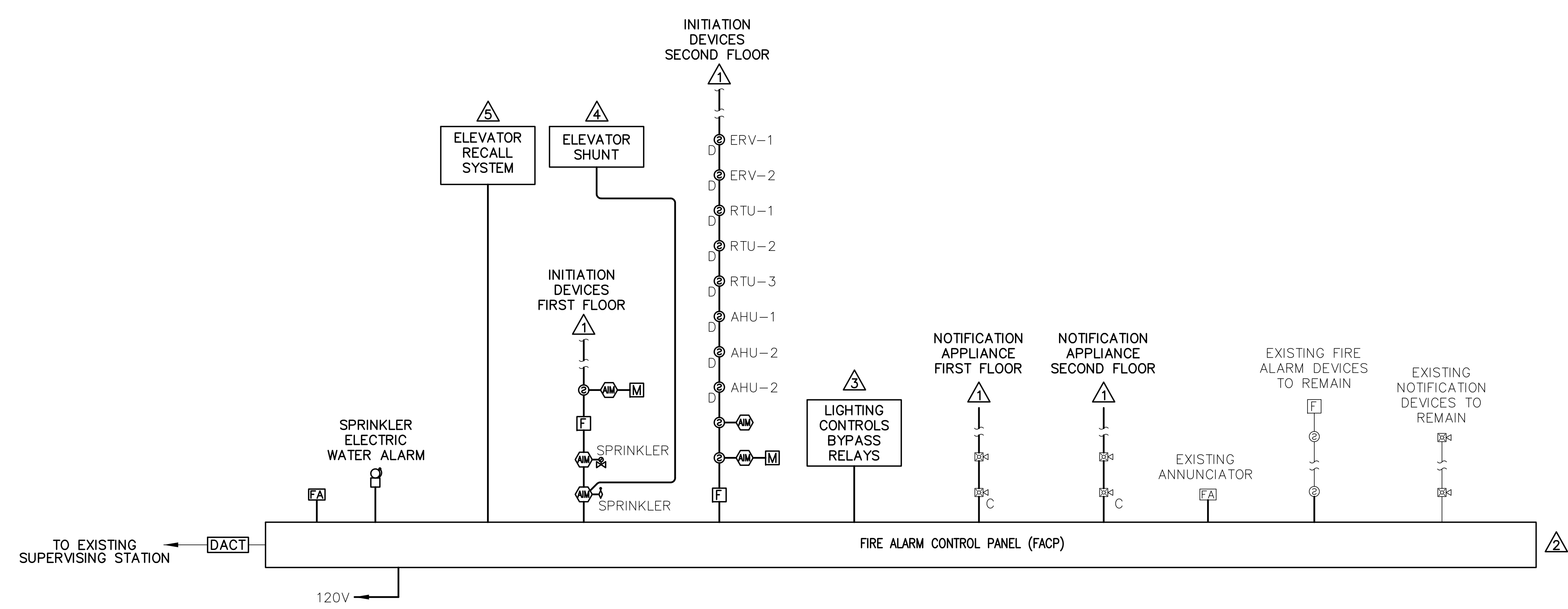
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DWG. **FA501**

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- DRAWING KEYNOTES**
- △ PROVIDE NUMBER OF CIRCUITS REQUIRED FOR THE LOAD. PROVIDE A MINIMUM OF TWO SIGNALING LINE CIRCUITS PER FLOOR.
 - △ PROVIDE QUANTITY OF DEVICES SHOWN ON SHOP DRAWINGS.
 - △ PROVIDE ADDRESSABLE INPUT/OUTPUT MODULES AND PROGRAMMING FOR CONTROL OF LIGHTING CONTROLS BYPASS RELAYS. COORDINATE WITH ELECTRICAL TRADE.
 - △ PROVIDE WATER FLOW SWITCH WITH DUAL CONTACTS. ONE FOR SHUNT TRIPPING OF ELEVATOR AND THE OTHER TO INTERFACE WITH THE FACP. THE WATER FLOW SWITCH SHALL BE WITHOUT TIME DELAY FEATURE.
 - △ PROVIDE ELEVATOR RECALL SYSTEM. ELEVATOR SHALL DEFAULT TO FIRST FLOOR.

- DRAWING NOTES**
1. REFER TO SHEET E-001 FOR SYMBOLS, GENERAL NOTES, AND ABBREVIATIONS.
 2. FIRE ALARM RISER DIAGRAM IS SHOWN FOR REFERENCE ONLY. DEVICE LOCATIONS AND QUANTITIES SHALL BE AS SHOWN ON THE SHOP DRAWINGS. ADDITIONAL APPLIANCES, DEVICES, AND EQUIPMENT BEYOND THOSE SHOWN SHALL BE PROVIDED AT NO ADDITIONAL COST TO MEET THE REQUIREMENTS OF THE UFC'S, NFPA 13, NFPA 20, NFPA 72, NFPA 90A, NFPA 101 AND NFPA 720.
 3. INITIATING CIRCUITS AND NOTIFICATION CIRCUITS SHALL NOT BE LOADED MORE THAN 75% OF THEIR RATED CAPACITY. THE FIRE ALARM/MASS NOTIFICATION SYSTEM INSTALLING CONTRACTOR SHALL VERIFY COMPLIANCE WITH THIS REQUIREMENT AND SHALL FURNISH AND INSTALL ADDITIONAL CIRCUITS AND EXTENDER PANELS TO COMPLY. EACH EXTENDER PANEL SHALL HAVE A SMOKE DETECTOR PROVIDED AT THE CEILING ABOVE THE PANEL. PROVIDE 120V PANEL TO ANY ADDED REMOTE PANELS. EXTENDER PANELS SHALL BE LOCATED IN UTILITY ROOMS.
 4. PROVIDE WIRING AND CONDUIT INTERCONNECTING DEVICES AND APPLIANCES TO THE FACP. WIRING SHALL BE IN ACCORDANCE WITH APPLICABLE CODES AND AS RECOMMENDED BY EQUIPMENT MANUFACTURERS. WIRING SHALL BE RUN IN METAL CONDUIT (SIZED PER NFPA 70, 3/4" MINIMUM). EXTERIOR CONDUITS SHALL HAVE WATERTIGHT FITTINGS. CONDUIT AND EQUIPMENT SHALL BE PAINTED AND/OR MARKED IN ACCORDANCE WITH NFPA 72. FIRE ALARM JUNCTION BOX COVERS SHALL BE PAINTED RED. IN CONCEALED OR UNFINISHED AREAS, CONDUIT SHALL BE RED. IN FINISHED AREAS PROVIDE 3/4" RED BANDS ON CONDUIT AT 10'-0" OC AND AT EACH SIDE OF FLOOR, WALL OR CEILING PENETRATIONS.



1 INPUT/OUTPUT MATRIX
 FA501 NOT TO SCALE

SYSTEM INPUTS	SYSTEM OUTPUTS															
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1 MANUAL PULL STATIONS																
2 AREA SMOKE DETECTORS																
3 DUCT SMOKE DETECTORS																
4 BEAM SMOKE DETECTORS																
5 AIM DRY SPRINKLER (CRAWL SPACE) AIR PRESSURE																
6 AIM DRY SPRINKLER (CRAWL SPACE) FLOW SWITCH																
7 AIM - SPRINKLER WATERFLOW																
8 AIM - SPRINKLER WATERFLOW ELEVATOR																
9 AIO - DOOR RELEASE SMOKE DETECTORS																
10 AMPLIFIER TROUBLE																
11 AIM - SPRINKLER CONTROL VALVES																
12 LIVE MESSAGE AT FACP																
13 FACP AC POWER FAILURE																
14 FACP SYSTEM LOW BATTERY																
15 FACP OPEN CIRCUIT																
16 FACP GROUND FAULT																
17 NOTIFICATION APPLIANCE CIRCUIT SHORT																
18 HVAC SHUT DOWN BUTTON																
19 AIM-VOLTAGE MONITOR RELAY FOR ELEVATOR SHUNT TRIP																
20 ELEVATOR LOBBY SMOKE DETECTORS																
21 ELEVATOR SHAFT SMOKE DETECTORS																

2 INPUT/OUTPUT MATRIX
 FA501 NOT TO SCALE