General		1	· · · · ·		Matrix A-Sprinklered	1	
Category	Туре	Component	Manufacturer	Model	Design Notes	Required Locations or Use	Special Install
		Fire Alarm Control Panel	Potter	AFC-1000	If smoke control is required coordinate panel and manufacturer alternative with PPS. Fire panel to use the IP communicator for offsite notification.	Must be installed in the MDF, if available.	Install 72" top of panel AFI
	Control	Main Fire Alarm Annunciator	Potter	RA-6500R (F)	Provide 20% spare addresses, minimum.	Locate in main office visible from secretary's desk	Install top of annunciator 6 Set system address to "31"
Accessories	Alarm	SLC Expander Modules	Potter	PAD100-SLCE		In Remote power supplies	SLCEs are to be powered b alarm control panel. Maxim expander.
ccess	Fire	Power Expander	Potter	PSN-1000 (E)		Locate in equipment rooms.	Install 72" top of panel AFF
ts and Ac		Power Supplies	Altronix	AL600ULPD4CB	For non-fire alarm components, when needed, e.g., door hold opens. Provide with battery backup.	Locate in equipment rooms.	Install 72" top of panel AFF
Control Units and	Large, intermediate, and all Schools	Voice Evacuation Panel	Potter	PVC-MP	Use distributed system for any intermediate to large schools, e.g., high schools. System to be capable of connecting to the Informacast system and Cisco phone system.	Locate in main office visible from secretary's desk adjacent to annunciator.	Install 72" top of panel AFI
	rmedia				Zone voice systems to include floors, wings, cafeteria, commons, auditorium and similar large spaces.		
Fire Alarm	ırge, inte Schools	Distributed Evacuation Panels	Potter	PVC-DP		Locate in equipment rooms.	Install 72" top of panel AFF
Ϋ́	B S	Voice Evacuation Panel	Potter	100M or 200M	OK to use for small schools. System to be capable of connecting to the Informacast	Locate in equipment rooms.	Install 72" top of panel AFF
	Control S1	Local Operating Console (LOC)	Potter	PVX-RM8 or PVX- RM16	system and Cisco phone system.	Locate in main office visible from secretary's desk adjacent to annunciator.	Install top of LOC at 60" A
	EVACS	Amplifiers		PVX-100 or PVX- 200			
	E						

Special Installation Requirements	Action
install 72" top of panel AFF	
nstall top of annunciator 60" AFF.	
Set system address to "31"	
SLCEs are to be powered by power expanders, not the fire larm control panel. Maximum of two SLCEs per power expander.	
install 72" top of panel AFF	
install 72" top of panel AFF	
install 72" top of panel AFF	
nstall 72" top of panel AFF	
* *	
install 72" top of panel AFF	
nstall top of LOC at 60" AFF.	
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	Matrix A-Sprinklered						
General							
Category	Туре	Component	Manufacturer	Model	Design Notes	Required Locations or Use	

Special Installation Requirements	Action

					Matrix A-Sprinklere	ed	
General Category	Туре	Component	Manufacturer	· Model	Design Notes	Required Locations or Use	
	Rise	Heat Detection - Rate of Rise	Potter	PAD100-HD	Use in areas identified.	Home Economics rooms	
	Heat Detection - Rate of Rise	Detector Base	Potter	PAD100-6B	Follow manufacturer and NFPA 72 spacing criteria.	Shop Areas Mechanical Rooms Art and Crafts Rooms Science Rooms Restrooms with Showers Elevator Shafts (when required by code) Crawl spaces used for storage Attic spaces used for storage Areas not suitable for smoke detection due to use of space and not suitable for rate of rise applications due to potential large temperature fluctuations.	
		Heat Detection - Fixed Temperature	Potter	PAD100-HD	Use in areas identified.	Boiler rooms	
					Follow manufacturer and NFPA 72 spacing criteria.	Kitchens Generator rooms Areas exposed to sunlight (skylights) Kiln Rooms	
		Detector Base	Potter	PAD100-6B		Areas not suitable for smoke detection due to use of space.	
		Duct Smoke Detector Duct Smoke Sensor	Potter Potter	PAD100-DUCT PAD100-DD		In locations where required by code.	

Special Installation Requirements	Action
	Alarm

					Matrix A-Sprinklere	d		
General Category	Туре	Component	Manufacturer	· Model	Design Notes	Required Locations or Use	Special Installation Requirements	Action
		Input Modules	Potter	PAD100-SIM, PAD100-DIM, PAD100-OROI, PAD100-TRTI	Do not use miniature modules (PAD100-MIM) Dual module can be used where inputs are adjacent to each other.	Fire sprinkler water flow alarms Fire sprinkler supervisory valve switches	Per manufacturer and NEC requirements	Alarm Supervisory
					Combination relay/input modules can be used where control points and inputs are adjacent to each other.	Fire sprinkler supervisory pressure switches Kitchen hood fire suppression systems Beam smoke detectors		Supervisory Alarm Alarm
						Supervisor power for elevator shunt trip		Supervisory
				DADIO DA		For monitoring dry contacts of any other system or device that is required to be monitored and is not-addressable.		Various
		Output Modules	Potter	PAD100-RM, PAD100-OROI, PAD100-TRTI	Provide with isolation relay for shutdown connections Combination relay/input modules can be used where	. HVAC shutdown	Per manufacturer and NEC requirements	

					Matrix A-Sprinklered			
General Category	Туре	Component	Manufacturer	Model	Design Notes	Required Locations or Use	Special Installation Requirements	Action
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q		Speaker	Potter	FASPKR-R, FASPKR-W FASPKR-W	System to provide intelligibility throughout per NFPA 72.			
ances an es		Strobe	Potter					
Notification Appliances and Accessories		Combination Speaker/ Strobe		SPKSTR-24CLPPR, SPKSTR-24CLPPW	Provide low frequency in nap or sleeping areas.			
otificati		Surface Backbox		SPKRBB	Provide surface backbox for all exposed installations.	Provide beam smoke detector with protective guard when located in areas where subject to damage e.g., gyms, multipurpose rooms, etc.		
Ž		Protective Guard	STI	STI-9711, STI-9714	Provide notification appliances with protective guard when located in areas where subject to damage e.g., gyms, multipurpose rooms, etc.			
· · · · · ·								L
		Document Storage Cabinet	Mier Products	BW-DocBox				
Miscellaneous		Shut down relays		MR-101, MR-201, RIC-1, RIC-2, etc.	Provide isolation relays powered by 24 VDC when used for interfacing to other systems, e.g., HVAC shutdown.			
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