					Matrix B-Unsprinklered			
General Category	Type	Component	Manufacturer	Model	Design Notes	Required Locations or Use	Special Installation Requirements	Action
		Fire Alarm Control Panel	Potter	AFC-1000	If smoke control is required coordinate panel and manufacturer alternative with PPS.	Must be installed in the MDF, if available.	Install 72" top of panel AFF	
					Fire panel to use the IP communicator for offsite notification.			
					Provide 20% spare addresses, minimum.			
	Control	Main Fire Alarm Annunciator	Potter	RA-6500R (F)		Locate in main office visible from secretary's desk	Install top of annunciator 60" AFF.	
	on1						Set system address to "31"	
ccessories	Alarm	SLC Expander Modules	Potter	PAD100-SLCE		In Remote power supplies	SLCEs are to be powered by power expanders, not the fire alarm control panel. Maximum of two SLCEs per power expander.	
[08]	Fire							
sə	至	Power Expander	Potter	PSN-1000 (E)		Locate in equipment rooms.	Install 72" top of panel AFF	
Ac		T		,			· · · · · · · · · · · · · · · · · · ·	
and		Power Supplies	Altronix	AL600ULPD4CB	For non-fire alarm components, when needed, e.g., door hold opens.	Locate in equipment rooms.	Install 72" top of panel AFF	
nits					Provide with battery backup.			
\Box	and	Voice Evacuation Panel	Potter	PVC-MP	Use distributed system for any intermediate to large schools, e.g., high schools.	Locate in main office visible from secretary's desk adjacent to annunciator.	Install 72" top of panel AFF	
ontrol	ıte, a				System to be capable of connecting to the Informacast system and Cisco phone system.		•	
larm C	rmediate,				Zone voice systems to include floors, wings, cafeteria, commons, auditorium and similar large spaces.			
e A]	ge, inter chools	Distributed Evacuation Panels	Potter	PVC-DP		Locate in equipment rooms.	Install 72" top of panel AFF	
Fir	ge, chc							
	arg II Se							
	ols: La Small	Voice Evacuation Panel	Potter	100M or 200M	OK to use for small schools.	Locate in equipment rooms.	Install 72" top of panel AFF	
	rols Sr				System to be capable of connecting to the Informacast system and Cisco phone system.			
	Controls: L Smal	Local Operating Console (LOC)	Potter	PVX-RM8 or PVX- RM16	, , , , , , , , , , , , , , , , , , ,	Locate in main office visible from secretary's desk adjacent to annunciator.	Install top of LOC at 60" AFF.	
	CS	Amplifiers	Potter	PVX-100 or PVX-200				
	EVA							
	<u> </u>							

					Matrix B-Unsprinklered			
General Category	Type	Component	Manufacturer	Model	Design Notes	Required Locations or Use	Special Installation Requirements	Action
			1	Г	In the state of th	T	In the second second	1
	Stations	Manual Pull Stations	Potter	PAD100-PSDA	Provide with protective guard when located in student accessible locations.		Semi flush for concealed wiring/conduit applications.	Alarm
	i 0	Manual Full Stations	roller	FAD100-FSDA	accessible locations.	Provide within 5 feet of pathways to open or enclosed stairs,	applications.	Alailii
	1						Wiremold V5748 box for surface applications.	
	\mathbf{S}					Provide at locations as needed to insure travel distances no	4-s backbox with 1-gang mud ring for conduit	
	Ħ						applications	
	Pull						Mount with operating handle at 48" AFF.	
	[a]						With operating nation at 10 7111.	
1	Manual							
1	\mathbf{I}_{2}			CTT 1100	Provide with protective guard when located in student			
es		Protective Guard	STI	STI-1130	accessible locations.			
ccessories	Spot Smoke Detection				Install at the ceiling in all rooms and spaces for a total			
OSS					coverage system as defined by NFPA 72 except where			
) Se					smoke detectors are not suitable due to the ambient			
ອ			_	D. D. 100 DD	environment or where ceiling heights exceed 16 feet			
▼		Spot Smoke Detection	Potter	PAD100-PD	AFF.	Hallways and corridors		Alarm
and						Rooms with door hold opens		
						At the top of each stairway		
l se						Any room leading to a corridor or stairwell excluding office,		
vices						work rooms, and classrooms		
De		Datastan Basa	Dotton	PAD100-6B		Add Alternate: Classroom Detection		
		Detector Base	Potter	PAD100-0B	Provide smoke detector with protective guard when			
ii.					located in areas where subject to damage e.g.,			
Initiating		Protective Guard	STI		multipurpose rooms.			
 		Trotective Guard	511		mentipulpose rooms.			
l li	Detection				Use in areas suitable for smoke detectors with ceilings			
		Beam Smoke Detectors	System Sensor	BEAM1224S	more than 16 feet AFF using NFPA 72 spacing criteria.	Gyms		Alarm
	ţ.	Beam Smoke Beteeters	Bystem Bensor	DEI HVITZZ 15	more than 10 feet 7111 using 141171 72 spacing effectu.	Multipurpose Rooms		7 Kitai iii
) e					Cafeterias		
	e 1							
	o ķ	Remote Test Switch	System Sensor	RTS151KEY	Provide for all Beam Smoke Detectors		4-s backbox with 1-gang mud ring	
	Smok		,			Locate in nearby, secure, accessible location.	0 0 00	
	S				Provide beam smoke detector with protective guard			
	Ħ				when located in areas where subject to damage e.g.,			
	Beam	Protective Guard	STI	STI-9706 or 9707	gyms, multipurpose rooms, etc.			
1	$\mathbf{\Xi}$							

					Matrix B-Unsprinklered			
General Category	Туре	Component	Manufacturer	Model	Design Notes	Required Locations or Use	Special Installation Requirements	Action
	Ι.			D. D. 100 T.D.	Use in areas identified and other areas not suitable for			T
	of	Heat Detection - Rate of Rise	Potter	PAD100-HD	smoke detectors.	Home Economics rooms		Alarm
	Rate					Shop Areas		
	Za l					Mechanical Rooms		
	🛱					Art and Crafts Rooms		
	İ					Science Rooms		
ies	ction					Restrooms with Showers		
	5 &					Elevator Shafts (when required by code)		
SSC	Heat Detection Rise					Crawl spaces used for storage		
ccessori						Attic spaces used for storage		
•						Areas not suitable for smoke detection due to use of space		
and A						and not suitable for rate of rise applications due to potential		
						large temperature fluctuations.		
		Detector Base	Potter	PAD100-6B				
evices		Heat Detection - Fixed			Use in areas identified and not suitable for smoke			
, ic	ا فا	Temperature	Potter	PAD100-HD	detectors or rate-of-rise type heat detectors.	Boiler rooms		Alarm
						Kitchens		Alarm
Q,	eat Detection Fixed Temperature					Generator rooms		Alarm
l gu						Areas exposed to sunlight (skylights)		Alarm
ı ii	T Q E d					Kiln Rooms		Alarm
Initiating								
	Heat Ten					Areas not suitable for smoke detection due to use of space.		Alarm
	<u> </u>	Detector Base	Potter	PAD100-6B				
		Duct Smoke Detector	Potter	PAD100-DUCT		In locations where required by code.		Supervisory
	he	Duct Smoke Sensor	Potter	PAD100-DD				<u>F</u>
	Other				+	 		
		i e		1	1			1

				Matrix B-Unsprinklered			, , , , , , , , , , , , , , , , , , ,
Type	Component	Manufacturer	Model	Design Notes	Required Locations or Use	Special Installation Requirements	Action
Input Modules	Input Modules		PAD100-DIM, PAD100-OROI,	Do not use miniature modules (PAD100-MIM) Dual module can be used where inputs are adjacent to each other. Combination relay/input modules can be used where control points and inputs are adjacent to each other.	Fire sprinkler water flow alarms Fire sprinkler supervisory valve switches Fire sprinkler supervisory pressure switches Kitchen hood fire suppression systems Beam smoke detectors Supervisor power for elevator shunt trip	Per manufacturer and NEC requirements	Alarm Supervisory Alarm Alarm Supervisory
Modules	Output Modules		PAD100-OROI,	Combination relay/input modules can be used where	that is required to be monitored and is not-addressable. HVAC shutdown	DCM to only be used for monitoring devices	Various
Output 1				control points and inputs are adjacent to each other.	Magnetic door holder control Elevator recall Elevator shunt trip		
Isolator Modules	Isolator Modules		PAD100-DIM, PAD100-OROI,			Per manufacturer and NEC requirements	
	Isolator Modules Output Modules	Output Modules Output Modules	Input Modules Potter Output Modules Potter Output Modules Potter	Output Modules PAD100-RM, PAD100-OROI, PAD100-TRTI PAD100-TRTI PAD100-SIM,	Input Modules Potter 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. Combination relay/input modules can be used where control points and inputs are adjacent to each other. PAD100-RM, PAD100-OROI, PAD100-OROI, PAD100-TRTI Provide with isolation relay for shutdown connections. Combination relay/input modules can be used where control points and inputs are adjacent to each other.	Input Modules	PAD100-DIM. PAD100-DIM. PAD100-DIM. PAD100-TRTI Do not use miniature modules (PAD100-MIM) Fire sprinkler water flow alarms Per manufacturer and NEC requirements

					Matrix B-Unsprinklered			
General Category	Туре	Component	Manufacturer	Model	Design Notes	Required Locations or Use	Special Installation Requirements	Action
		Speaker	Potter	FASPKR-R, FASPKF W FASPKR-W	System to provide intelligibility throughout per NFPA 72.			
nces and		Strobe	Potter					
Notification Appliances and Accessories			P	SPKSTR-24CLPPR,				
otificatic A		Combination Speaker/ Strobe Surface Backbox	Potter	SPKSTR-24CLPPW SPKRBB	Provide low frequency in nap or sleeping areas. 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.		
Z		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.			
		Document Storage Cabinet	Mier Products	BW-DocBox				
neous		Shut down relays	Air Products	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.			
Miscellaneous								
Mi								