NCEF Safe School Facilities Checklist

Downloaded May 12, 2008

School or building name:	
Date of assessment:	_
Assessor:	Phone number:
Contact person:	Phone number:

About the Checklist

This checklist is designed for assessing the safety and security of school buildings and grounds. Created by the National Clearinghouse for Educational Facilities and funded by the U.S. Department of Education's Office of Safe and Drug-Free Schools, the checklist combines the nation's best school facility assessment measures into one comprehensive online source. Nationally recognized school facility and safety experts participated in the checklist's creation and oversee its maintenance and updating.

The checklist embodies the three principles of Crime Prevention through Environmental Design (CPTED): **natural surveillance**, the ability to easily see what is occurring in a particular setting; **natural access control**, the ability to restrict who enters or exits an environment; and **territoriality-maintenance**, the ability to demonstrate ownership of and respect for property.

There is no perfect score or passing grade for the checklist and not all assessment measures will apply to any one school. Those that do apply must be considered in the context of the school's primary purpose: providing an effective teaching and learning environment. Proper safety and security measures do not work counter to this purpose.

Using the checklist should be an integral part of a school's crisis mitigation and prevention strategy. For complete information about crisis planning, see the publication **Practical Information on Crisis Planning: A Guide for Schools and Communities** by the Office of Safe and Drug-Free Schools, available on the NCEF website at www.ncef.org/safeschools.

NCEF Assessment Guides

An alternative to this checklist is the recent series of **NCEF Assessment Guides** covering specific building spaces and subjects. The guides can be downloaded individually, and multiple copies can be made for repetitive spaces such as classrooms. See **Mitigating Hazards in School Facilities** at www.ncef.org/safeschools.

The Assessment Team

For reviewing designs for a new school, addition, or renovation, the assessment team should be led by a school CPTED specialist and include the project facility planner and architect as well as appropriate school personnel and engineering and security professionals. Reviews should be conducted during the schematic phase and at the 30 and 95 percent document completion stages, with emphasis on getting things right as early in the design process as possible. If there is a post-design value engineering review, be careful that safety and security features are not compromised.

For assessing an existing school, where the facility itself is examined, the assessment team should be led by a school CPTED specialist and include the school or district facility manager, the principal, and, as appropriate, the head custodian, a teacher, the school resource officer, the local fire and building inspectors, and any needed architectural, engineering, and security professionals. Where assembling such a team is impractical, key school personnel should be interviewed to identify specific safety and security concerns and potential sources of trouble that otherwise might be missed.

Acknowledgements

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Sources

The checklist is drawn primarily from six sources:

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FEMA 361, Design and Construction Guidance for Community Shelters. Federal Emergency Management Agency. July 2000. Online at http://www.fema.gov/fima/fema361.shtm [Included in FEMA 424]

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Management Agency. January 2004. Online at http://www.fema.gov/fima/rmsp424.shtm

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The checklist is available in Word format for states and local school districts seeking to adopt and modify it; contact NCEF at *bbrenner@nibs.org*.

Questions and Comments

For questions, comments, or suggestions, contact NCEF at bbrenner@nibs.org.

You have made the following initial selections:

Assessing an existing school facility

Acts of violence and terrorism Earthquakes Hurricanes, tornados, and other wind hazards Flooding

You have selected the following categories and subcategories of information:

SCHOOL SURROUNDINGS

- Potential Man-Made Hazards
- · Seismic and Wind Hazards
- · Flood Hazards

SCHOOL GROUNDS

- General
- Site Access Control
- · Site Circulation
- · School Bus Areas, Parent Pick-Up Areas, and Public Transportation
- Vehicle Parking
- Bicycle Parking
- Pedestrian Pathways and Student Drop-Off Areas
- School Grounds and Recreational Areas
- · Exterior Lighting
- Landscaping
- Dumpster Enclosures
- · Storm Water Retention Areas
- · Site Utilities

SCHOOL BUILDINGS AND FACILITIES

- General
- · Building Access Control
- · Exterior Walls
- · Exterior Doors
- Windows
- Roofs
- · Canopies, Awnings, Breezeways, and Covered Walkways
- Courtyards
- · Portable, Modular, or Temporary Classrooms
- Entryways
- Main Office, Lobby, and Reception Area
- Administrative Areas and Staff Offices
- Corridors, Circulation, and Lockers
- Stairs and Stairwells
- Classrooms
- Media Center
- · Health Clinic/Nurse's Office
- · Guidance Office and Conference Rooms
- Restrooms
- · Labs, Shops, and Computer Rooms
- Art Rooms
- Music Rooms
- · Dance Classrooms
- · Cafeterias and Student Commons
- · Auditoriums and Theaters
- Gymnasiums
- Locker Rooms
- Interior Doors
- · Interior Lighting and Ceilings
- Elevators
- Water Fountains
- Vending Machines and Public Telephones
- Fire Alarm and Control Systems
- Means of Egress in Existing Buildings General Fire Requirements for Existing Buildings
- Storage and Equipment Rooms
- Non-Štructural Building Hazards
- · Emergency Shelters COMMUNICATIONS SYSTEMS

Building Notification Systems Radio/Wireless Communication Systems Telephone Systems Communications Wiring BUILDING ACCESS CONTROL AND SURVEILLANCE Building Access Control CCTV Surveillance Systems UTILITY SYSTEMS Site Utilities Water Supply and Storage

- Water Supply and Storage EMERGENCY POWER
- General

MECHANICAL SYSTEMS

- Fresh Air Intakes
 Air Handling and Filtration
 Equipment Inspection, Maintenance, Recommissioning, and Testing

1	S	CF	10	OI	SL	IRR	OL	IND	INGS

1.	1.	Рο	tential	Man-	·Made	Hazar	'ds
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_Yes _No _Not Applicable _Further Study

1.1 a Potential threats or targets near the school have been identified, along with their possible impact. New buildings are designed accordingly, and appropriate crisis plans are in place for existing buildings.

Examp include dams.	oles of e majo	potential threats in r government build	clude chemical plants ings, structures with h	s, gas lines, heavy truck traffic, and railroads. Potential targets high symbolic value, power plants, communications towers, and
_Yes	_No	_Not Applicable	_Further Study	Notes:
1.1 b location measu	on for	n areas adjacent t illicit activities ha	to the school that mi ve been made safer	ight provide offenders with "cover" or provide students with a by opening them up, exposing them, sealing them off, or other
_Yes	_No	_Not Applicable	_Further Study	Notes:
			m the surrounding r uardians of the scho	neighborhood is maintained, allowing neighbors and passing ool.
_Yes	_No	_Not Applicable	_Further Study	Notes:
1.1 d planni	Future ing is l	e development pla being adjusted ac	ns in the surroundincordingly.	ng area have been identified and school site development
_Yes	_No	_Not Applicable	_Further Study	Notes:
1.2. <u>S</u> e	eismic	and Wind Hazard	l <u>s</u>	
invest been l	igated ouilt in	. Within the conte	ext of local condition compensate for the r	y and vulnerability to active geological faults has been as, the site is considered safe, or extra safety measures have risk. In any case, the facility meets all applicable building code
_Yes	_No	_Not Applicable	_Further Study	Notes:
1.2 b to avo	In area	as prone to eartho ential fallen trees	quakes or high wind: , buildings, utility lin	s, alternate routes into and out of the site have been identified les, or other hazards.
_Yes	_No	_Not Applicable	_Further Study	Notes:
		as prone to earthoncorporated into t		s, backup and emergency power and communication sources
_Yes	_No	_Not Applicable	_Further Study	Notes:
		as prone to eartho or buildings.	quakes or high wind	s, building setbacks are adequate to prevent battering from

1.2 e In areas prone to earthquakes, high winds, flooding, or other natural or man-made hazards, nearby facilities have been identified as a safe area of refuge or community gathering space. The refuge area is not in

Notes:

		lings or trees, nor is ther high risk facililt	it prone to flooding or adjacent to potential terrorist targets, ies.
_Yes _N	o _Not Applicable	_Further Study	Notes:
1.3. <u>Flood</u>	Hazards		
1.3 a In a sources f	reas prone to flood lood.	ing, the site is not lo	ocated in a flood plain nor is it at high risk if nearby water
_Yes _N	o _Not Applicable	_Further Study	Notes:
1.3 b ln a	reas prone to flood	ing, the building de	sign incorporates features to protect against flood damage.
_Yes _N	o _Not Applicable	_Further Study	Notes:
1.3 c In a	reas prone to flood	ing, emergency veh	icles can access the site during high water conditions.
_Yes _N	o _Not Applicable	_Further Study	Notes:
	L GROUNDS		
2.1. <u>Gene</u>	_		
2.1 a The school pr		uee or other sign cl	early identifying the school by name and visible from beyond
_Yes _N	o _Not Applicable	_Further Study	Notes:
2.1 b The buildings	site layout maintai landscaping featu	ns open sight lines res and lighting.	throughout through careful placement and maintenance of
_Yes _N	o _Not Applicable	_Further Study	Notes:
2.1 c The	school site and bu	ildings are well mai	ntained, reinforcing territoriality.
_Yes _N	o _Not Applicable	_Further Study	Notes:
2.1 d Sch	ool property lines a ol-only areas are sii	are clearly marked, e milarly marked.	establishing territoriality. Boundaries between joint-use areas
		ters include fencing, l s, signs, or changes i	andscaping, natural geographic features, ground surface treatments, n elevation.
_Yes _N	o _Not Applicable	_Further Study	Notes:
2.1 e In a	reas of high fire risl	k, fire evacuation si	tes are at least 300 feet from at-risk buildings.
_Yes _N	o _Not Applicable	_Further Study	Notes:
2.1 f In hi		mb threat evacuatio	n sites remain confidential to administrators, staff, and law
_Yes _N	o _Not Applicable	_Further Study	Notes:

2.2. Site Access Cont

2.2 a In high threat areas, the perimeter of the site is secured at a level that prevents unauthorized vehicles or pedestrians from entering, and has this effect as far from the school building as possible.
_Yes _No _Not Applicable _Further Study Notes:
2.2 b In high threat areas, vehicle entry beyond checkpoints can be controlled, permitting entry by only one applicant at a time.
_Yes _No _Not Applicable _Further Study Notes:
2.2 c In high threat areas, there is space outside the protected perimeter to pull over and inspect cars.
_Yes _No _Not Applicable _Further Study Notes:
2.2 d All vehicle pathways, access points and interfaces with main thoroughfares are designed to avoid accidents, speeding, blind spots and traffic conflicts. Transitional areas between streets and school access points are clearly marked, such as with "School Zone" signs.
Traffic control options include: a) Traffic controls or calming devices such as speed humps, bumps, raised crosswalks or traffic circles reduce the likelihood of injury due to speeding vehicles. b) Driveways curve, change direction, or are broken into short enough segments to prevent cars from building up speed. c) Driveways access slower streets directly, but not high speed streets. d) Signs, fences and landscaping at intersections do not block vision.
_Yes _No _Not Applicable _Further Study Notes:
2.2 e Pedestrian safety is addressed with well designed crossing areas and separation from vehicle traffic.
Pedestrian safety options include: a) Lighting, traffic signals, flags, painted crosswalks, signs and crossing guards are visible to drivers, and are effective. b) Electronically controlled "Walk/Don't Walk" lights with countdown displays and push buttons. c) Pedestrian islands or median strips provide safe havens for students crossing streets. d) Pedestrian bridges, walking or biking paths provide alternatives to walking near traffic.
_Yes _No _Not Applicable _Further Study Notes:
_Yes _No _Not Applicable _Further Study Notes: 2.2 f In high threat areas, manholes, utility tunnels, culverts, and similar unintended access points to the school property are secured with locks, gates, or other appropriate devices, without creating additional entrapment hazards.
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to and from school, forcing them to take a longer rou hazards. A compromise may be appropriate, such as likely entry points; lockable gates provide the school unexpected barrier for a studend trying to escape to	or bushes) often can be used effectively to define boundaries of
_Yes _No _Not Applicable _Further Study	Notes:
2.2 h Site entry points are clearly marked, controclosing access points when necessary.	ollable, and easily seen from the school. Gates are available for
_Yes _No _Not Applicable _Further Study	Notes:
2.2 i Entry points to the site are kept to a minimu	ım.
_Yes _No _Not Applicable _Further Study	Notes:
2.2 j There are at least two entry points so that if	one is blocked, the other can be used.
_Yes _No _Not Applicable _Further Study	Notes:
2.2 k In high threat areas, there area perimeter b	arriers capable of stopping vehicles.
and fences. The anti-ram protection should be able to vehicle at impact. If the anti-ram protection cannot a	strengthened bollards, street furniture, sculpture, landscaping, walls, so stop the threat vehicle size/weight at the speed attainable by that bsorb the desired kinetic energy, consider adding speed controls tine driveways can also help slow down the vehicle's approach.
_Yes _No _Not Applicable _Further Study	Notes:
2.2 I Site entry points can be readily observed a activities.	nd monitored by staff and students in the course of their normal
_Yes _No _Not Applicable _Further Study	Notes:
2.2 m Site entry points are positioned so that on blocks this means of visual surveillance, such as	e individual can monitor as many entries as possible. Nothing s signs, trees, shrubs, walls, etc.
_Yes _No _Not Applicable _Further Study	Notes:
2.2 n Unsupervised site entrances may be secur reinforce the idea that access and parking are fo	red during low-use times for access control purposes and to r school business only.
_Yes _No _Not Applicable _Further Study	Notes:
2.2 o Site entries provide for the ready passage	of fire trucks and other emergency vehicles.
_Yes _No _Not Applicable _Further Study	Notes:
2.2 p Fire hydrants on the site are readily visible	and accessible.
_Yes _No _Not Applicable _Further Study	Notes:

2.3. Site Circulation

_Yes _No _Not Applicable _Further Study

2.3 a Emergency vehicle access around the building meets	local red	quirements.
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If emergency vehicle access lanes are required by local codes, they should be constructed as wide sidewalks or grassed, hardened surfaces. Vehicular access should be over the curb, rather than via curb cuts that could encourage unauthorized use California requires a 20-foot-wide fire lane.
_Yes _No _Not Applicable _Further Study Notes:
2.3 b Bus, car, pedestrian and bike traffic are reasonably safe from each other at entry and exit points as well as throughout the site, and traffic calming strategies discourage speeding throughout the site.
Raised and marked pedestrian or bicycle crossings, median strips, pedestrian safety islands, one way traffic, speed bumps, speed humps, the elimination of blind spots, or their remediation through the installation of convex mirrors are some options.
_Yes _No _Not Applicable _Further Study Notes:
2.3 c In high threat areas, the distance between buildings and the nearest parking or roadway (setback) is at least 75 feet, with more distance for unreinforced masonry or wooden walls.
If the recommended distance for the postulated threat cannot be arranged, consider reducing the setback required through structural hardening or by manufacturing additional stand-off protection through barriers and parking restrictions Also consider relocation of vulnerable functions within the building or designing a more hazard-resistant building More stand-off distance should be used for unscreened vehicles than for screened vehicles.
_Yes _No _Not Applicable _Further Study Notes:
2.3 d Handicapped parking is located on the shortest route from adjacent parking via an accessible path to an accessible entrance.
_Yes _No _Not Applicable _Further Study Notes:
2.3 e Site circulation at peak loading and unloading times is acceptable, without vehicle or pedestrian conflicts.
_Yes _No _Not Applicable _Further Study Notes:
2.3 f Adequate signs, postings, or window decals direct all visitors to the main site entry points in order to gain permission to enter.
Signs should be: 1) Simple, readable, well lit, and written in all relevant languages. 2) Located at all entry points onto the property and at all entry points into the facility. 3) Easy to read from an appropriate distance, such as from a car window when approaching the site by car. Illustrations, such as a map with arrows showing visitors the route to the main entry, should be included as appropriate.
_Yes _No _Not Applicable _Further Study Notes:
2.3 g Vehicle circulation routes to service and delivery areas, visitors' entry, bus drop-off, student parking, and staff parking are separated as needed and functional in the context of the site.
_Yes _No _Not Applicable _Further Study Notes:
2.3 h Where there are roadways through the site, they are serpentine or otherwise indirect or include traffic calming features, with gates or barriers as needed. Signs prohibit through traffic.

Notes:

2.3 i Designated entries, routes, and parking lotthe context of the site.	ots for after-hours use are clearly identified and controlled within
_Yes _No _Not Applicable _Further Study	Notes:
2.4. School Bus Areas, Parent Pick-Up Areas, a	nd Public Transportation
2.4 a Buses can drop and pick up students dire a designated and supervised school entrance, walk in front of the bus or other traffic to move	ectly from a designated, marked loading and unloading zone near in full view of designated school staff. Students do not need to between the bus and the school.
_Yes _No _Not Applicable _Further Study	Notes:
2.4 b Buses do not have to back up to turn or p	park, nor do they have to be parked in double rows.
_Yes _No _Not Applicable _Further Study	Notes:
2.4 c Areas where students congregate while v to avoid overcrowding.	vaiting for buses, and associated pedestrian paths, are adequate
_Yes _No _Not Applicable _Further Study	Notes:
2.4 d Curb lanes adjacent to school facades ar	e marked to prohibit parking.
_Yes _No _Not Applicable _Further Study	Notes:
2.4 e Sheltered areas are provided in clearly de to be picked up by parents. Areas are large enc position that allows for natural surveillance fro	esignated, logical locations for students waiting to board buses or ough to avoid conflict over limited space and are located in a m the main office.
_Yes _No _Not Applicable _Further Study	Notes:
2.4 f Parent drop-off and pick-up zones are cle	arly designated and separated from bus traffic.
_Yes _No _Not Applicable _Further Study	Notes:
2.4 g In schools where students use public transportation access is reasonably safe due to measures.	nsportation, the route from the school to the point of public o good natural surveillance, traffic safety features, or other
_Yes _No _Not Applicable _Further Study	Notes:
2.5. Vehicle Parking	
2.5 a Parking areas are within view of the main	office, other staffed areas, or surveillance cameras.
_Yes _No _Not Applicable _Further Study	Notes:
2.5 b Clear signs or posted rules identify who i do so.	is allowed to use parking facilities and when they are allowed to
_Yes _No _Not Applicable _Further Study	Notes:

2.5 c Parking spaces are numbered and marked for the designated users: students, faculty, staff, or visitors. Unassigned parking spaces are minimized, especially in student parking zones.
_Yes _No _Not Applicable _Further Study Notes:
2.5 d Visitor parking is located near the main entrance, with clear signs directing visitors to the main office.
_Yes _No _Not Applicable _Further Study Notes:
2.5 e A section of the parking lot is reserved for students who attend part time, or who spend part of the day offsite.
This makes it easier for the school to secure the main parking area during the day, and to pay attention to cars coming and going during the school day.
_Yes _No _Not Applicable _Further Study Notes:
2.5 f Access to parking areas is limited by curbs, fencing, gates, and a limited number of entry points.
_Yes _No _Not Applicable _Further Study Notes:
2.5 g Gates can close off unnecessary parking entrances during low-use times to control access and reinforce the perception that school parking areas are private.
_Yes _No _Not Applicable _Further Study Notes:
2.5 h Student and employee parking areas are separated or mixed appropriately for the school's circumstances.
Separate parking areas may protect staff cars from vandalism. They can also make it easier to manage parking overload.
Faculty can park near a secondary entry where they can use proximity cards to gain entry. Unlike publicly accessible entries, the staff parking entry does not need to be supervised Mixed parking lots can provide more adult supervision in an area prone to inappropriate behavior in student vehicles.
_Yes _No _Not Applicable _Further Study Notes:
2.5 i If parking space is at a premium, a specific area is designated for motorcycle parking.
_Yes _No _Not Applicable _Further Study Notes:
2.6. Bicycle Parking
2.6 a Bicycle parking areas are sheltered, securable, and readily observable from inside the school. Rack designs make it possible to use U-locks or other effective locking devices.
_Yes _No _Not Applicable _Further Study Notes:
2.7. Pedestrian Pathways and Student Drop-Off Areas
2.7 a Hiding places are minimized or eliminated along pedestrian routes.
In existing schools, these areas can be exposed to natural surveillance by trimming landscaping, improving lighting, removing solid fencing or installing convex mirrors.
_Yes _No _Not Applicable _Further Study Notes:

2.7 b Exte	rior pedestrian and	d bicycle routes are	located to maximize surveillance from inside the school.
_Yes _No	Not Applicable	_Further Study	Notes:
maintenan	ce, free of vandalis	sm, and vandal resis	other amenities on site are well maintained, designed for easy stant. They don't restrict sidewalk space unreasonably or create ese amenities unattractive to abuse by skateboarders.
_Yes _No	Not Applicable	_Further Study	Notes:
2.8. School	I Grounds and Rec	creational Areas	
2.8 a Recibuilding.	eational areas and	playgrounds are in	direct view of front office staff or other staff in the school
		ound, installing lightir natural surveillance.	ng for night games, removing visual obstacles, or installing windows
_Yes _No	Not Applicable	_Further Study	Notes:
2.8 b Play	areas have clearly	defined boundaries	s and are protected by fencing.
_Yes _No	Not Applicable	_Further Study	Notes:
2.8 c Play	areas are well sep	arated from vehicle	traffic.
_Yes _No	Not Applicable	_Further Study	Notes:
		enance vehicles can ng, bollards, gates, c	readily access play areas and ball fields, while all other vehicle or other features.
_Yes _No	Not Applicable	_Further Study	Notes:
2.8 e Stud	ent gathering plac	es are set back from	streets, driveways, and parking areas by at least 50 feet.
drive-by sh One new inner court	ootings. school solved this p ards.	problem by building a	basketball court on the roof; others incorporate completely containe
	·		ng schools built on a small footprint.
_res _ivo	Not Applicable	_rutther Study	Notes:
2.8 f There	e are no hidden are	eas on the site.	
In existing street furnit	schools, landscaping ure can be moved o	g, signs, vending mac or changed to improve	chines, bus shelters, trash receptacles, mailboxes, storage sheds, or e natural surveillance.
_Yes _No	Not Applicable	_Further Study	Notes:
2.8 g Acc	ess points betweer	n joint-use recreation	nal facilities and the school building are limited and secure.
_Yes _No	Not Applicable	_Further Study	Notes:

2.8 h Sections of the building that are unoccupied or off limits can be sealed off from recreational areas during

non-s	chool l	nours.		
_Yes	_No	_Not Applicable	_Further Study	Notes:
2.8 i F	Pre-kin	dergarten and kir	ndergarten play area	s are separated from play areas for older children.
_Yes	_No	_Not Applicable	_Further Study	Notes:
2.8 j E areas.		ency escape gate:	s are installed in wal	lls or fences enclosing pre-school or kindergarten outdoor play
_Yes	_No	_Not Applicable	_Further Study	Notes:
2.8 k	Separa	nte or limited-acce	ess facilities are pro	vided near after-hours or community recreational areas.
It ba	rs unw		m entering an unsupe	cans, and vending areas. rvised area of the school and engaging in illicit behavior.
_Yes	_No	_Not Applicable	_Further Study	Notes:
2.8 I I durab	Orinkin le mate	g fountains are va erials.	andal-resistant by d	esign, such as by being wall-mounted and being made of
_Yes	_No	_Not Applicable	_Further Study	Notes:
2.8 m	Schoo	ol grounds are fre	e of loose rocks, bri	cks, or other potential projectiles.
_Yes	_No	_Not Applicable	_Further Study	Notes:
2.8 n	Hard-s	urface play areas	are far enough fron	n classrooms to protect windows and avoid distraction.
_Yes	_No	_Not Applicable	_Further Study	Notes:
2.8 o	Windo	ws near hard-sur	face play areas are p	protected.
_Yes	_No	_Not Applicable	_Further Study	Notes:
2.8 p	Bleach	ers are well main	tained, with no sign	s of rust, rot, or splintering.
_Yes	_No	_Not Applicable	_Further Study	Notes:
2.8 q	Risers	between bleache	r seats prevent entr	apment and keep children from falling through.
_Yes	_No	_Not Applicable	_Further Study	Notes:
2.8 r l	Handra	ils and guardrails	s for bleachers or se	ating areas are adequate.
_Yes	_No	_Not Applicable	_Further Study	Notes:
2.8 s	Field h	ouses and other	outbuildings are sec	curable to prevent intruders from gaining entry.

1) Exterior door hinge pins are not removable from the outside.

3) Dead 4) Slidii 5) Othe	 2) Hasp screws are one-way or cannot be accessed while the padlock is in place. 3) Deadbolt locks are used. 4) Sliding windows have lift and slide protection. 5) Other windows are kept locked or protected when the building is unoccupied. 6) Alarms should be considered in high-value or high-crime circumstances. 				
_Yes	_No	_Not Applicable	_Further Study	Notes:	
			ound equipment hav per, or rubber-like m	ve a minimum depth of one foot of wood chips, mulch, sand, ats.	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
				feet horizontally in all directions from play equipment. For wice the height of the suspending bar.	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
2.8 v F	Play st	ructures more th	an 30 inches high a	re spaced at least 9 feet apart.	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
2.8 w footing	Playgr js, stu	ound equipment mps, or rocks; n	and areas are well r o sharp points or ed	maintained, with no tripping hazards such as exposed concrete ges; and no open "s" hooks or protruding bolt ends.	
More the falling.	nan 20	0,000 children go	to U.S. emergency ro	oms annually with playground equipment injuries, mostly involving	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
2.9. <u>Ex</u>	terior	Lighting			
2.9 a E	Exterio	or lighting is unifo	orm and eliminates p	oockets of shadow or glare.	
For exi	sting b	uildings, exterior li	ghting is best evaluat	ed at night.	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
2.9 b Exterior lighting fixtures are vandal resistant, beyond easy reach (12 to 14 feet minimum off the ground), maintainable, and built with break-resistant lenses or protected by cages or other means.					
_Yes	_No	_Not Applicable	_Further Study	Notes:	
2.9 c L	_ightin	g fixtures are de	signed to avoid prov	viding handholds for climbing onto the building.	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
2.9 d E	Exterio	or lighting is well	maintained.		
_Yes	_No	_Not Applicable	_Further Study	Notes:	
		terior lighting sc chool vandalism.		enhancing natural surveillance, discouraging trespassing, and	

1) Practice either the "full lighting" or the "dark campus" approach after hours. The dark campus approach discourages trespassing inside the building at night (intruders' lights are readily visible) and saves on electricity.

 A compromise to a complete blackout is Security lighting should be directed at the illuminate the grounds if the building is to be glare for the observer. 	e building if the building is to be	ctivate lighting as needed. e patrolled from the exterior. Lighting should hout compromising surveillance by creating		
4) Timers or motion detectors should illum	nate entry points for the first wo	rker to arrive and the last one to leave.		
_Yes _No _Not Applicable _Further S	Study Notes:			
2.9 f Exterior lighting controls can be c	entrally accessed from the ma	ain administration area.		
_Yes _No _Not Applicable _Further S	Study Notes:			
2.9 g School lighting avoids excessive	Ilumination of adjacent neigh	aborhoods.		
_Yes _No _Not Applicable _Further \$	Study Notes:			
2.10. Landscaping				
2.10 a Landscaping reinforces access damage.	ontrol, natural surveillance, a	and territoriality and can reduce storm		
Careful design can maintain ample sight lin 1) Where fences are used to border proper public the message of privacy.	ty, appropriate landscaping can			
Uninviting neighborhood development c visitors.	an be screened and intrusive no	oise softened, while discouraging unwanted		
direction to pedestrian and vehicular traffic 5) Hedges should be kept low enough to e 6) North Carolina recommends that shrubs branches and leaves be kept clear to a mil	nd direct access and traffic. Tre while limiting or denying access open places where people cou and hedges bordering walkway imum height of 8 feet off the ground the second process.	es lining sidewalks or drives can give natural s to identified sections of the school site. Id otherwise hide. ys not exceed 18 inches in height and that tree		
_Yes _No _Not Applicable _Further	Study Notes:			
2.10 b Trees are located far enough away from buildings or are trimmed appropriately, to avoid providing roof, window, or second story access, damage from trees falling on buildings, or a fire hazard in areas at risk of fores or brush fires.				
California recommends a minimum distanc	e of 10 feet between buildings a	and trees.		
_Yes _No _Not Applicable _Further	Study Notes:			
2.10 c Trees are well maintained, with o	ead or weak limbs or trees re	moved.		
_Yes _No _Not Applicable _Further \$	Study Notes:			
2.10 d Trees are planted far enough away from exits, access roads, equipment, utilities and emergency refuge areas to ensure that, if they blow over or lose large branches, they will not block these areas.				
_Yes _No _Not Applicable _Further \$	Study Notes:			
2.10 e In high risk areas, outdoor containers in which explosives could be hidden (such as garbage cans, mailboxes, and recycling or newspaper bins) are kept at least 30 feet from the building and are designed to restrict the size of objects that can be placed inside them or are designed to expose their contents (by using steel mesh, for instance, instead of solid walls).				
_Yes _No _Not Applicable _Further \$	Study Notes:			

2.	1	1.	Dumi	oster	Encl	osures
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	gh fen	cing, wall opening		or motion response lighting, hiding around these enclosures is
_Yes	_No	_Not Applicable	_Further Study	Notes:
2.11 b schoo			are positioned so	that they cannot be used as ladders for gaining access to the
_Yes	_No	_Not Applicable	_Further Study	Notes:
2.12. 5	Storm	Water Retention A	<u>Areas</u>	
				l, are located to help limit access to school property, demarcate strian areas from heavy vehicular traffic.
_Yes	_No	_Not Applicable	_Further Study	Notes:
2.12 b with n	Fenc atural	ing around encloses	sed storm water renese areas.	etention areas doesn't provide footholds for climbing or interfere
_Yes	_No	_Not Applicable	_Further Study	Notes:
				neter leading to or from storm water retention areas are ar to prevent access into the retention area or school site.
_Yes	_No	_Not Applicable	_Further Study	Notes:
2.13. §	Site Ut	ilities		
2.13 a the ex	Acce posed	ess to site utilities I portions are pro	, such as electrica tected against van	I transformers, generators, and meters, is limited and secure, and dalism and vehicular damage.
_Yes	_No	_Not Applicable	_Further Study	Notes:
2.13 b	Site	utilities do not cre	eate hiding places.	
_Yes	_No	_Not Applicable	_Further Study	Notes:
2.13 c	Site	utilities do not im	pede access by en	nergency vehicles.
_Yes	_No	_Not Applicable	_Further Study	Notes:
	olt lo			res are lockable. Doors have protected hasps, hinges, and s and hinges have secure fasteners and hinge pins are non-
_Yes	_No	_Not Applicable	_Further Study	Notes:

2.13 e Exterior mechanical equipment is difficult to climb and is protected from thrown objects.

2.11 a Dumpsters are either enclosed in a designated service area or surrounded on three sides by a high wall,

_Yes _f	No .	_Not Applicable	_Further Study	Notes:
2.13 f Ex	cterio	r mechanical eq	uipment reachable I	by vehicles is protected with bollards or other devices.
_Yes _f	No .	_Not Applicable	_Further Study	Notes:
2.13 g M	leter	locations allow a	access for meter rea	ders without compromising access control for secure areas.
_Yes _f	No .	_Not Applicable	_Further Study	Notes:
3. SCHO	OL B	UILDINGS AND	FACILITIES	
3.1. <u>Gene</u>	eral			
3.1 a Bu	ilding	gs are well main	tained, with no signs	s of graffiti, breakage, neglect, or disrepair.
				order and demonstrate ownership of and respect for school dents, staff, and community.
_Yes _l	No .	_Not Applicable	_Further Study	Notes:
control fe	eatur	es or the site ov	erall has adequate a	gs, either each building has adequate independent access access control features, such as a surrounding, non-climbable e human or electronic surveillance over the site is used.
_Yes _l	No .	_Not Applicable	_Further Study	Notes:
3.1 c Wii	ndow	s allow for natu	ral surveillance thro	ughout as much of the site as possible.
_Yes _l	No .	_Not Applicable	_Further Study	Notes:
				more than one school-within-a-school, or it has in place other nong students and staff.
			safer schools because ccountable for their a	e students are better known to school staff and to each other, ctions.
_Yes _f	No .	_Not Applicable	_Further Study	Notes:
3.1 e Sej from a di	parat istan	e wings, separatice by colors, ico	te buildings, and sta ons, or signage. Refl	and-alone, portable or modular classrooms are readily identified ective or lighted markings are ideal.
Clear ider	ntifica	ation of buildings a	and areas greatly aids	s emergency response and rescue efforts.
_Yes _l	No .	_Not Applicable	_Further Study	Notes:
3.1 f If the	ne sc	hool is containe	d within one buildin	g, access into the school is limited to selected, controlled
From a se	ecurit oe fea	y perspective, this asible for other rea	s configuration is usua asons.	ally the most manageable, although a one-building configuration
_Yes _!	No .	_Not Applicable	_Further Study	Notes:

3.1 g If the school contains asbestos now or has contained asbestos in the past, an asbestos management plan

per 40 CFR 763, Subpart E, is in place.				
Title 40 of the Code of Federal Regulations (CFR), Parameter (CFR), Parame	art 763, contains federal asbestos regulations. Subpart E covers ss Subpart E, go to GPO Access at www.access.gpo.gov.			
_Yes _No _Not Applicable _Further Study	Notes:			
3.2. Building Access Control				
	le through designated, supervised, or locked entry points. Entry is either granted by supervising staff or by using vices.			
_Yes _No _Not Applicable _Further Study	Notes:			
	through at least visual screening before they can gain access amenities inside the school. No one can get inside without			
_Yes _No _Not Applicable _Further Study	Notes:			
3.2 c Portions of the school that are not being us locking wing doors or accordian-style gates, etc.,	ed can be readily secured. This can be accomplished by provided emergency egress is not blocked.			
_Yes _No _Not Applicable _Further Study	Notes:			
3.2 d Signs, in all relevant languages and with sidesignated building entries.	mple maps or diagrams where needed, direct visitors to			
Where appropriate, signs may warn in a friendly but flaws and regulations.	irm way about trespassing and illicit behavior and cite applicable			
_Yes _No _Not Applicable _Further Study	Notes:			
	, computer rooms, music rooms, shops, and chemical storage alarm system, or at least one all-purpose storage room is			
Note that chemicals must be stored separately.				
_Yes _No _Not Applicable _Further Study	Notes:			
3.3. Exterior Walls				
3.3 a Building niches and recesses are fenced of	f, well lit, or observable from inside the building.			
_Yes _No _Not Applicable _Further Study	Notes:			
3.3 b Walls do not provide footholds, or the top 3	to 4 feet nearest the roof are non-climbable.			
_Yes _No _Not Applicable _Further Study	Notes:			
3.3 c Game lines are provided on walls and surfa own.	ces in play areas so that students are not tempted to draw thei			
Yes No Not Applicable Further Study	Notes:			

3.4. E	xterior	Doors
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3.4 a	The num	ber of exte	rior doors is	s minimized.

_Yes _No _Not Applicable _Further Study Notes:

3.4 b All exit doors and gates are equipped with emergency exit hardware and are not locked or secured by any other means.

See the 2003 edition of the International Building Code, Section 1008.1.8, and NFPA 101 Life Safety Code, Section 14.2.2.2 for new educational uses and Section 15.2.2.2 for existing educational uses. Under no circumstances may such doors be otherwise locked or chained shut.

_Yes _No _Not Applicable _Further Study Notes:

3.4 c All exterior doors are designed to prevent unauthorized access into the building.

- a) Exterior doors should have as little exposed hardware as possible.
- b) Exterior doors should be equipped with hinges with non-removable pins.
- c) Exterior exit-only doors do not need handles and locks protruding on the outside. However, it should be possible to open the doors from outside during an emergency in some manner, such as with a proximity card.
- d) Exterior doors should be constructed of steel, aluminum alloy, or solid-core hardwood.
- e) Exterior door frames should be installed without excess flexibility to deter vandals from prying them open.
- f) Exterior glass doors should be fully framed and equipped with breakage-resistant tempered glass.
- g) Exterior door locks used as the primary means of security should be mounted flush to the surface of the door.
- h) Exterior doors should not rely on key-in-knob or other protruding locking devices.
- i) Exterior swinging doors should have a minimum 1-inch deadbolt lock with a 1-inch throw bolt and hardened steel insert, a free-turning brass or steel tapered guard, and, if glass is located within 40 inches of the locking mechanism, double cylinder locks.
- j) Panic bar latches on exterior doors should be protected by pick plates to prevent tools and plastic cards from releasing the bolt.
- k) Exterior doors with panic push-bars should be equipped with tamper-proof deadbolt locks to prevent easy exit after school hours by criminals or vandals. They should also be equipped with an astragal (metal plate) covering the gap between the doors.
- I) The armored strike plate on exterior doors should be securely fastened to the door frame in direct alignment to receive the latch easily.
- m) Key-controlled exterior doors can be equipped with contacts so they can be tied into a central monitoring and control system.
- n) Exterior double doors should be equipped with heavy-duty, multiple-point, long flush bolts.
- o) Doors that are vulnerable to unauthorized use, when students open them from inside the building, can be made more secure by installing door alarms, delayed opening devices, or sensors or cameras monitoring doors from the central office.

_Yes _No _Not Applicable _Further Study Notes:

3.4 d Exterior doors are sized and arranged to reduce congestion and avoid crowding

Multiple single doors reduce congestion and are recommended over double doors. Wider-than-normal (oversize) doors accommodate movement of equipment and supplies and are recommended for accessible entries and for music, vocational technology, kitchen, and receiving areas.

_Yes _No _Not Applicable _Further Study Notes:

3.4 e Exterior doors have narrow windows, sidelights, fish-eye viewers, or cameras to permit seeing who is on the exterior side. Windows and sidelites are sized and located so that if they are broken, vandals cannot reach through and open the door from the inside.

_Yes _No _Not Applicable _Further Study Notes:

3.4 f Air-tight exterior doors improve energy efficiency and retard interior contamination during a hazardous chemical or other harmful outdoor release.

_Yes	_No	_Not Applicable	e _Further Study	Notes:	
3.4 g	Exteri	or doors are des	signed and certified t	to resist thrown or wind-blown objects.	
_Yes	_No	_Not Applicable	e _Further Study	Notes:	
3.5. <u>W</u>	indow	<u>'S</u>			
hardw weakr	are ar	nd frames are in are either perm	good condition, and	vs have lift and slide protection. In existing buildings, window transom windows or other designs that have clear security vided they are not to be used as a means of emergency egress) ty devices.	
			sliding and casement v have crank and worm	vindows, which are associated with security problems, and says that -gear openers.	
_Yes	_No	_Not Applicable	e _Further Study	Notes:	
the ef	fects c	of explosive blas	ndows and their fram sts, gunfire, and force are either minimized	ing and anchoring systems are designed and located to resist ed entry. Windows overlooking or directly exposed to public or protected.	
The			nts from an explosive	blast originating near the school or even blocks away is injury from	
Win	dow op	enings should be	e small and located aw d or protected with an	vay from interior occupied areas as much as possible.	
Glas	ss-clad	polycarbonate a	nd laminated polycarb	onate are two types of acceptable glazing material.	
Sec	urity gl	azing should mee	uld meet the requirements of the requirements of ng forced-entry-resista	ASTM F1233 or UL 972. nt glazing should meet the requirements of ASTM F588.	
_Yes	_No	_Not Applicable	e _Further Study	Notes:	
3.5 c suffic	Windo ient st	ows are located and-off distance	strategically, providi and other security f	ng natural light and natural surveillance, while providing eatures to deter vandalism.	
Con windo	sider ir ws (wir	ncorporating skylindows located high	ights (but only if roofs	ance cost for some schools. are fully protected from climbers), solar light tubes, or clerestory ad light shelves in lieu of normal-height windows in exposed or	
Cler	estory		or ventilation, light, and	d privacy while minimizing wall penetrations, but do not provide for	
Cali	fornia s	illance. suggests that gro inst the need for	und floor windows be natural light and ventil	eliminated where possible on the building perimeter, but this must be ation in occupied areas and the loss of visual surveillance of school	
ground	ds.		· ·	hey are considered impossible to protect from climbers.	
_Yes	_No	_Not Applicable	E _Further Study	Notes:	
	3.5 d Windows are used to enhance natural surveillance of courtyards and school grounds, especially from classrooms and administration areas.				
		administrative are ds around it.	eas are particularly imp	portant for helping staff monitor the main entrance area and the	
_Yes	_No	_Not Applicable	e _Further Study	Notes:	
3.5 e	Secon	d-floor windows	s are inaccessible or	protected against burglary.	

_Yes _N	No _	Not Applicable	_Further Study	Notes:
3.5 f Win louvers, a	ndows awnir	s intended to sen ngs, or other dev	rve as a secondary vices and are readily	means of escape are not blocked by screens, security grills, y openable from the inside.
In Florida	, secu	irity grills or louve	ers may be used if the	ey open in one operation with the secondary means of egress.
_Yes _N	No _	Not Applicable	_Further Study	Notes:
3.5 g Bas	seme	nt windows are	protected from una	uthorized entry by security grills or window well covers.
_Yes _N	No _	Not Applicable	_Further Study	Notes:
3.5 h Ter when use	mpere ed in	ed and wired gla doors, sidelites,	ass meet building co , locations near the	ode and Consumer Product Safety Commission requirements floor, and other 'hazardous' locations specified by the code.
resistance	e requ		facilities and it may r	g Code has dropped an exemption for wired glass from high-impact no longer be used in new construction. Newer fire-rated glass
_Yes _N	No _	_Not Applicable	_Further Study	Notes:
3.6. <u>Roof</u>	<u>s</u>			
3.6 a Bui	ilt-in ı	roof access is fr	om inside the buildi	ing only. The access point is locked and inside a secure room.
architectu In existi	ıral ele ing bu	ements that allow	opery finishes or coat	ior roof access ladders or exterior building materials and of access. ings to exterior pipes and columns and otherwise block
_Yes _N	No _	Not Applicable	_Further Study	Notes:
3.6 b Me vandalisr	chani m.	ical equipment e	enclosures on the ro	oof are secured and protected from unauthorized access or
_Yes _N	No _	Not Applicable	_Further Study	Notes:
3.6 c Acc	cess	into the school t	through skylights is	blocked by security grilles or other devices.
_Yes _N	No _	Not Applicable	_Further Study	Notes:
3.6 d Ro	of pa	rapets are low e	nough to allow visu	al surveillance of the roof from the ground.
_Yes _N	No _	Not Applicable	_Further Study	Notes:
3.6 e Hea		oofing materials	such as tile and sla	te are securely attached to the structure, especially over point
Falling roo	of tiles	s are a safety haz	zard.	
_Yes _N	No _	_Not Applicable	_Further Study	Notes:
3.7. Cano	opies.	Awnings, Breez	zewavs. and Covere	d Walkways

3.7 a Covered walkways and adjoining posts, structures, walls, planters, etc., do not serve to provide climbing

acces	ss to ad	joining windows	, roofs, or other upp	er-level areas.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.7 b	Covere	ed walkways and	their surroundings	are adequately lit to promote visual surveillance while in use.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.7 c	Windo	ws in occupied a	reas of the building	overlook walkways for natural surveillance.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.7 d	Exterio	or entrance canop	pies and walkways a	re engineered to withstand high winds and seismic activity.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.8. <u>C</u>	ourtyaı	<u>rds</u>		
3.8 a	Lines o	of sight across co	ourtyards are unobs	tructed so one person can supervise the entire area.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.8 b	Entries	s into courtyards	from the exterior of	the school are controlled and lockable.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.8 c	Courty	ard entries are no	ext to administratior	n or staff spaces, with windows permitting visual surveillance.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.8 d	Courty	ards are configu	red to eliminate una	uthorized after-hours access.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.8 e	Windo	ws in occupied a	reas of the building	overlook courtyards.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.8 f	Courty	ard entry doors a	re wide enough to p	revent congestion.
		winging doors that cially in middle scl		y students. Mishaps at swinging doors are a common cause of
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.8 g enou	Outer o	courtyard walls a courtyard enclo	re not climbable and sures to eliminate cl	d outside seating, planters, and landscaping features are far limbing opportunities.
_Yes	_No	_Not Applicable	_Further Study	Notes:

 $\textbf{3.9.} \ \underline{\textbf{Portable}, \, \textbf{Modular}, \, \textbf{or} \, \textbf{Temporary} \, \textbf{Classrooms}}$

3.9 a Portable classrooms are not used.

	This is preferable from a safety viewpoint but unrealistic for many schools.					
_Yes	_No	_Not Applicable	_Further Study	Notes:		
3.9 b	The lo	cation of portable	es has been carefull	ly thought out to optimize security.		
b) Port one ar c) Port d) Port e) Eva f) Pow g) Ran h) Pos i) Walk	ables a ables a ables a cuation er and nps me itioning	are placed togethe and from permane are gathered within are reasonably clon paths are pre-decomputer cabling set ADA requirements, lighting and screaso portables are directed.	er as much as possiblent structures to meet a security fencing, but se to the main schootermined to avoid unrare run in a manner tents, running 1 foot intening decisions maxima.	col's portable classrooms and the pedestrian paths to them. e to prevent avoidable sprawl, but are sufficiently separated from fire code requirements. t have direct access to the main school. I so students aren't forced to walk long distances between buildings. reasonable time or distance requirements. that makes them resistant to vandalism, such as underground. length for every inch of rise. imize natural surveillance between and under portables. indicated with signs or markings. s.		
_Yes	_No	_Not Applicable	_Further Study	Notes:		
3.9 c	Portab	les have adequa	te internal security f	features.		
b) Con c) Clas	nmunic sroom	cation devices, incl s can be locked a	uding the PA system	the classroom to see people outside the classroom. , allow teachers and the office to reach each other. ide the classroom by the teacher. inst burglars.		
_Yes	_No	_Not Applicable	_Further Study	Notes:		
3.9 d Portables are clearly and consistently identified with numbers, words, icons, or colors, without contradictory markings.						
Contra			iu concicioniny ruch	timed with numbers, words, rooms, or colors, without		
	dictor	y markings.	_Further Study			
_Yes	dictor _No Portab	y markings. _Not Applicable les are adequate	_Further Study			
_Yes 3.9 e	_No _No Portab tions.	y markingsNot Applicable les are adequate	_Further Study	Notes: stent with local wind resistance requirements and building		
_Yes 3.9 e regula _Yes	_No _No Portab tionsNo	y markings. _Not Applicable les are adequate _Not Applicable	_Further Study ly tied down, consis _Further Study	Notes: stent with local wind resistance requirements and building		
_Yes 3.9 e regula _Yes 3.9 f 1	_No Portab tionsNo Trailer	y markings. _Not Applicable les are adequate _Not Applicable	_Further Study ly tied down, consis _Further Study ues have been remo	Notes: Stent with local wind resistance requirements and building Notes:		
_Yes 3.9 e regula _Yes 3.9 f Tes 3.9 g	_No Portab tionsNo railer _No Acces	y markings. _Not Applicable les are adequate _Not Applicable hitches and tong _Not Applicable s beneath portab	_Further Study ly tied down, consis _Further Study ues have been remo _Further Study les is restricted with	Notes: Stent with local wind resistance requirements and building Notes: Oved to prevent injuries.		
_Yes 3.9 e regula _Yes 3.9 f T _Yes 3.9 g suitab	_No PortabtionsNo railer _No Acces	y markings. _Not Applicable les are adequate _Not Applicable hitches and tong _Not Applicable s beneath portabhiding people, co	_Further Study ly tied down, consis _Further Study ues have been remo _Further Study les is restricted with outraband, weapons	Notes: Stent with local wind resistance requirements and building Notes: Oved to prevent injuries. Notes: In grates, fencing, siding, or other material. There are no spaces		
_Yes 3.9 e regula _Yes 3.9 f T _Yes 3.9 g suitab	_No PortabtionsNo railer _No Acces le for I	y markings. _Not Applicable les are adequate _Not Applicable hitches and tong _Not Applicable s beneath portabhiding people, co	_Further Study ly tied down, consis _Further Study ues have been remo _Further Study les is restricted with outraband, weapons gh fencing may be be	Notes: Stent with local wind resistance requirements and building Notes: Oved to prevent injuries. Notes: In grates, fencing, siding, or other material. There are no spaces, or incendiary or explosive devices.		
_Yes 3.9 e regula _Yes 3.9 f T _Yes 3.9 g suitab	_No Portab tionsNo railer _No Acces le for l risk lo _No	y markings. _Not Applicable les are adequate _Not Applicable hitches and tong _Not Applicable s beneath portabhiding people, concations, see-throut _Not Applicable	_Further Study ly tied down, consis _Further Study ues have been remo _Further Study les is restricted with outraband, weapons gh fencing may be be	Notes: Stent with local wind resistance requirements and building Notes: Oved to prevent injuries. Notes: In grates, fencing, siding, or other material. There are no spaces, or incendiary or explosive devices. Sest because nothing can be hidden behind it.		
_Yes 3.9 e regula _Yes 3.9 f T _Yes 3.9 g suitab In high _Yes 3.10. E	_No PortabilitionsNo Trailer _No Acces le for I risk lo _No	y markings. _Not Applicable les are adequate _Not Applicable hitches and tong _Not Applicable s beneath portabhiding people, co cations, see-throu _Not Applicable	_Further Study ly tied down, consis _Further Study ues have been remo _Further Study les is restricted with intraband, weapons gh fencing may be be _Further Study	Notes: Stent with local wind resistance requirements and building Notes: Oved to prevent injuries. Notes: In grates, fencing, siding, or other material. There are no spaces, or incendiary or explosive devices. Sest because nothing can be hidden behind it.		

3.10 b	3.10 b The main point of entry is at the front of the school and is readily identifiable.						
_Yes	_No	_Not Applicable	_Further Study	Notes:			
		nain entry, or a su oaching after par		d, designated secondary entry, is the closest entry option for			
_Yes	_No	_Not Applicable	_Further Study	Notes:			
3.10 d and sp	3.10 d The areas directly outside and inside at the main point of entry are well-lit, sheltered from the elements, and spacious enough to avoid becoming overcrowded.						
_Yes	_No	_Not Applicable	_Further Study	Notes:			
		access is adequa	ately controlled by a	a combination of direct supervision, limited points of entry, and			
_Yes	_No	_Not Applicable	_Further Study	Notes:			
3.10 f studen	Entrie ts asi	s have adequate de for more thoro	space for security sough investigation.	creening, including space for queuing, equipment, and pulling			
If built-i	n meta	al detectors are go	ing to be used, contact	ct manufacturers to determine space needs.			
_Yes	_No	_Not Applicable	_Further Study	Notes:			
3.10 g	Entry	walkways and er	ntry doors are wide	enough to avoid overcrowding at peak times.			
_Yes	_No	_Not Applicable	_Further Study	Notes:			
3.10 h	Seco	ndary entries are	protected from the	weather but do not provide places for people to hide.			
Alcoves	s that s s is enf	shield doors and st nanced by the use	tairs from weather car of chamfered (angled	n serve as concealed areas for unwanted activity. Visibility into d) wall corners and adequate glazing and lighting.			
_Yes	_No	_Not Applicable	_Further Study	Notes:			
3.10 i	Signs	spell out behavio	oral expectations, ac	ccess-restrictions, and applicable local and state regulations.			
_Yes	_No	_Not Applicable	_Further Study	Notes:			
3.10 j l	lf there	e is covered seat	ing at the main entry	y or bus loading area, it doesn't obstruct circulation pathways.			
_Yes	_No	_Not Applicable	_Further Study	Notes:			
doors a	3.10 k In high risk areas, entries are designed to mitigate explosive blast hazards. Interior and exterior foyer doors are offset from each other. Doors and walls along the line of security screening meet requirements of UL 752, "Standard for Safety: Bullet-Resisting Equipment."						
Entry a	reas s	hould avoid desigr	elements that could	entrap an explosion, thus amplifying the impact.			
_Yes	_No	_Not Applicable	_Further Study	Notes:			

3.11. Main Office, Lobby, and Reception Area

3.11 a	The r	main office, lobby	, and reception area	s are located at the main entry.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.11 b into th	The r	receptionist can s ding, beyond the	ee visitors before the lobby, or beyond the	ey gain entry, and can electronically lock doors to block entry e reception desk.
_Yes	_No	_Not Applicable	_Further Study	Notes:
			loors are unlocked, beyond the foyer.	securable internal foyer doors can oblige visitors to confer with
_Yes	_No	_Not Applicable	_Further Study	Notes:
				eception area, providing an unimpeded view of adjoining halls, le main entry, and drop-off and visitor parking areas.
_Yes	_No	_Not Applicable	_Further Study	Notes:
protect and a	tive s rear e	hield, a panic or d	luress button to call	tective features, including a counter or desk to serve as a for help, a telephone, a radio base station if radios are used, retreat. In unsafe areas, the reception counter area is protected
		n is a windowless ro ephone for calling f		easily locked from the inside without requiring a key, and in which
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.11 f	Seati	ng areas for visito	ors do not impede fo	ot traffic.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.12. <u>/</u>	Admin	istrative Areas an	d Staff Offices	
3.12 a contai		idential records a	re separated from th	ne reception area, in locked, vandal- and fire-resistant
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.12 b	The r	main office has tw	o-way communicati	on capability with all classrooms.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.12 c emerg			windowless space o	r "safe room" with a lockable door and a telephone for
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.12 d	The	principal's office h	nas a window or doc	or that can serve as a secondary emergency exit.
_Yes	_No	_Not Applicable	_Further Study	Notes:

3.13. Corridors, Circulation, and Lockers

3.13 a Corridor sigh	nt lines are maximized.	
		osed with windows, convex mirrors, chamfered (angled) corners, or oth to not serve as hiding areas, or are sealed off against illicit use.
_Yes _No _Not Ap	pplicable _Further Study	Notes:
		ash containers, fire extinguishers, display cases, cabinets, and flush with walls to avoid injury and keep a clear view.
_Yes _No _Not Ap	pplicable _Further Study	Notes:
3.13 c Freestanding secured.	ι objects that could be toppl	led intentionally or fall during earthquakes are adequately
_Yes _No _Not Ap	pplicable _Further Study	Notes:
		Ils receive visual surveillance through the placement of es occupied by adults or through the use of video surveillance
_Yes _No _Not Ap	pplicable _Further Study	Notes:
3.13 e Corridors are	well lit with artificial or nat	ural lighting, having no dark or shadowed recesses.
_Yes _No _Not Ap	pplicable _Further Study	Notes:
3.13 f If hallways do shutters.	ouble as lockdown or emerg	ency shelter locations, windows can be readily blocked with
_Yes _No _Not Ap	pplicable _Further Study	Notes:
3.13 g Wall space is materials that make ownership, and con	it easy to display student a	zing to improve surveillance. Walls are covered with or made of rtwork and posters as a means of promoting territoriality,
	7.3.3 of NFPA 101, Life Safety 0 percent of the wall area.	y Code, 2003, prohibits teaching materials and childrens' artwork fror
_Yes _No _Not Ap	pplicable _Further Study	Notes:
3.13 h Corridor light	ting controls are protected	from unauthorized use.
_Yes _No _Not Ap	pplicable _Further Study	Notes:

3.13 i Corridors are wide enough to prevent crowding and provide adequate room for maneuvering wheelchairs.

- -- Corridors are usually cited as the second most common indoor location for school fights (cafeterias are first), primarily because of crowding. Wide corridors prevent crowding and jostling.
 -- During class changes, corridors also serve as commons areas, and spacious corridors help reduce undesirable
- behavior.
- -- North Carolina recommends the following corridor widths:
- a) Corridors serving classroom feeder corridors and large-group spaces such as cafeterias, media centers, gyms and auditoriums: elementary and middle schools, 10 feet; high schools, 12 feet.
 b) Classroom corridors serving more than 2 classrooms, 8 feet.
- c) Classroom corridors serving more than 8 classrooms, 9 feet.
- d) Corridors with lockers along one wall, add 2 feet; with lockers along both walls, add 3 feet.

_Yes _No _Not Applicable _Further Study Notes:
3.13 j Locker locations and designs do not cause crowding or security problems.
Options to consider: a) Lockers are easiest to supervise if they are in controlled classrooms, such as homerooms. b) Lockers in hallways should be mounted flush to the wall so that they don't narrow the hallway. c) Single lockers lead to less conflict than over and under designs. d) Spreading lockers out can help avoid congestion and conflict. e) Unused lockers should be locked. f) If the supply of lockers is excessive, locking every other locker can help avoid congestion. g) Locker bays should not block natural surveillance into or around the bays, or the bays should be electronically monitored. h) Metal mesh doors allow natural surveillance into the lockers. i) Locker bays should be well lit and allow ample room for circulation. j) Lockers should be bolted in place. k) Assign locker privileges selectively and revoke them for related abuse, such as for storing contraband. l) If nothing else works, consider removing or locking all lockers against any use, even temporarily.
_Yes _No _Not Applicable _Further Study Notes:
3.13 k Exit signs are well maintained, easily seen, and pointing in the right direction.
 The maintenance program for corridor, stairwell, and exit sign lighting should ensure functioning under normal and emergency power conditions. Expect state or local building codes to be updated to require floor proximity signs, which are needed when heat and smoke drive occupants to crawl along the floor to get out of a building; signs and lights mounted high on the wall or on the ceiling may be of little or no benefit in such situations. Consider glow-in-the-dark technology. Good quality, consistent exit lighting is cost-effective in the long term and worthwhile from a maintenance perspective. Using different exit lighting at different doors makes it harder to efficiently stock, keep track of, and replace parts. See also Means of Egress in Existing Buildings section, below.
_Yes _No _Not Applicable _Further Study Notes:
3.13 I Clear and precise emergency evacuation maps are posted at critical locations. They are customized or posted to match their positions in the building and are protected from vandalism or removal.
_Yes _No _Not Applicable _Further Study Notes:
3.13 m Lockers are locked with school-owned padlocks. The school retains ownership and access to the locks and lockers.
_Yes _No _Not Applicable _Further Study Notes:
3.14. Stairs and Stairwells
3.14 a Stairs are adequately located and designed to avoid congestion and accidents.
For efficiently moving large numbers of students, additional sets of stairs may function more safely and effectively than very wide stairs.
North Carolina requires single stair runs not to exceed 8 feet without a landing and a minimum stair width of 6 feet for grades 6 through 12.
_Yes _No _Not Applicable _Further Study Notes:
3.14 b Stairwells are adequately lit, including exit signs.
_Yes _No _Not Applicable _Further Study Notes:

3.14 c	Stair	handrails and gua	ardrails allow visual	surveillance from either side of the stairs.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.14 d	Stair	handrail designs	discourage sliding,	climbing, or skateboarding.
_Yes	_No	_Not Applicable	_Further Study	Notes:
			ed to prevent persor e completely blocke	ns under the stairs from grabbing the ankles of others using the d off.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.14 f	Wind	ows or openings p	provide natural surv	eillance into stairwells located on outer walls.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.14 g	When	e natural surveilla	ance is inadequate,	enclosed stairwells are electronically monitored.
_Yes	_No	_Not Applicable	_Further Study	Notes:
adequ	ate to			quakes or high winds, stairwell materials and designs are extent of falling debris that would impede safe passage and
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.15. <u>C</u>	Classro	ooms		
3.15 a unobs			oke or heat detector	rs, the detectors are working, paint-free, un-obscured, and
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.15 b	Class	srooms are well li	t, with as much natu	ral light as possible.
Well lit	classr	ooms are safer cla	ssrooms, and natural	light does not depend on a power source.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.15 c the cla			om are visible from	the classroom door. There are no hidden areas anywhere in
This ai	ds nat	ural surveillance ar	nd reduces opportunit	ies for misbehavior.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.15 d	All cl	assrooms are on	the public address	system.
_Yes	_No	_Not Applicable	_Further Study	Notes:

3.15 e Intercoms, phones, or radios allow for two-way verbal communication between all classrooms and the

SCHOOL	s adm	imistrative or sec	curity offices.					
_Yes	_No	_Not Applicable	_Further Study	Notes:				
	3.15 f Interior windows between classrooms and corridors are unobstructed by posters, pictures, or other posted materials.							
_Yes	_No	_Not Applicable	_Further Study	Notes:				
3.15 g	3.15 g Interior windows between classrooms and hallways promote visual surveillance in both directions.							
_Yes	_No	_Not Applicable	_Further Study	Notes:				
3.15 h Door ar	Class nd wir	rooms can be loo ndow security ha	cked down quickly b rdware allows egres	by faculty from inside the classroom without entering the hall.				
_Yes	_No	_Not Applicable	_Further Study	Notes:				
3.15 i C	Classr	oom doors are m	nade of metal or soli	d wood, with heavy duty, vandal-resistant locks.				
_Yes	_No	_Not Applicable	_Further Study	Notes:				
3.15 j li shatterj			ows in classrooms	facing locations that may be subject to blasts or attack are				
See the	Wind	ows section, abov	e.					
_Yes	_No	_Not Applicable	_Further Study	Notes:				
3.15 k	Class	room windows e	nhance visual surve	illance of the school grounds.				
_Yes	_No	_Not Applicable	_Further Study	Notes:				
		ooms for mobilit	y-impaired students	are on the first floor, or are otherwise easy to evacuate without				
_Yes	_No	_Not Applicable	_Further Study	Notes:				
3.15 m All classrooms have secondary escape routes where required by code. Windows designated for escape are readily operable and are not blocked by grills or screens. The room layout helps teachers maintain surveillance and control over these routes.								
_Yes	_No	_Not Applicable	_Further Study	Notes:				
3.15 n	Retra	ctable classroom	partitions fully rece	ess into permanent, lockable niches to eliminate hiding places.				
_Yes	_No	_Not Applicable	_Further Study	Notes:				
3.15 o	Retra	ctable partitions	contain windows or	otherwise provide visual access into adjoining spaces.				
_Yes	_No	_Not Applicable	_Further Study	Notes:				
3.15 p	Heat-	producing applia	nces are properly g	uarded.				

As a fire safety measure, "kill switch" with pilot light	heat-producing appliances in middle and high schools	s should be avoided in elementary classrooms and controlled via a s.
_Yes _No _Not Applic	cable _Further Study	Notes:
3.15 q Teaching materia	als and children's artwor	k do not cover more than 20 percent of the wall area.
See Section 14.7.3.3 of N	IFPA 101, Life Safety Code	e, 2003.
_Yes _No _Not Applic	cable _Further Study	Notes:
3.16. Media Center		
		chool and the community, has separate and secure access for access to other areas of the school.
_Yes _No _Not Applic	cable _Further Study	Notes:
3.16 b The media cente	r is well lit, with no dark	or shadowy areas.
_Yes _No _Not Applic	cable _Further Study	Notes:
3.16 c The media cente control traffic in and ou		rculation desk are near the main entrance and are positioned to
_Yes _No _Not Applic	cable _Further Study	Notes:
3.16 d The media cente entire area and are able		rculation desk positions have unobstructed surveillance of the
Low stacks (max. 4 feet h	nigh) parallel to the librariar	n's line of sight help to accomplish this. Shelves along walls can be
_Yes _No _Not Applic	cable _Further Study	Notes:
3.16 e There are separa	ite, lockable areas for sto	oring media equipment, or other security measures are in place.
_Yes _No _Not Applic	cable _Further Study	Notes:
3.16 f Adequate theft de	eterrents are used, such	as magnetic strips in books, door readers, and alarmed exits.
_Yes _No _Not Applic	cable _Further Study	Notes:
3.16 g Storytelling area injuries or hidden activi		evel or, if recessed or elevated, are designed to prevent fall
_Yes _No _Not Applic	cable _Further Study	Notes:
3.17. Health Clinic/Nurs	e's Office	
3.17 a Clinic equipment	t and supplies can be loc	ked in an observable area of the nurse's office.
_Yes _No _Not Applic	cable _Further Study	Notes:

3.17 b A vision panel with blinds pro	vides natural surv	eillance into the area as needed.			
_Yes _No _Not Applicable _Further	r Study Note	3:			
3.17 c Toilet room doors in health roo incapacitated.	oms swing outwa	d to prevent students from being trapped if			
A fallen student or overturned wheelcha	r could otherwise b	lock the door.			
_Yes _No _Not Applicable _Further	r Study Note	s:			
3.18. Guidance Office and Conference	Rooms				
3.18 a Vision panels with blinds are in adult/child conferencing is conducted		ce offices and all other areas where one-on-one			
_Yes _No _Not Applicable _Further	r Study Note	3:			
3.19. Restrooms					
3.19 a Restrooms are bright, well lit,	and easy to super	viso			
•					
		s, primarily because are difficult to supervise. orderly conduct, and alcohol and drug use.			
_Yes _No _Not Applicable _Further	r Study Note	S:			
3.19 b Lighting fixtures have protecti	ve, vandalproof c	overs.			
_Yes _No _Not Applicable _Further	r Study Note	S:			
3.19 c Group restrooms have visually from adjacent areas.	screened, door-	ess ("maze") entryways that allow acoustic surveillance			
_Yes _No _Not Applicable _Further	r Study Note	S:			
3.19 d Entry/exit doors on group rest blocked from the inside.	rooms are lockab	le only from the outside and cannot be locked or readily			
_Yes _No _Not Applicable _Further	r Study Note	3:			
3.19 e Stall doors and partitions don't exceed 5'-6" in height and have a 1' clearance above the floor for surveillance. Partitions are bolted to the floor, wall, and ceiling. Doors have operable latches.					
_Yes _No _Not Applicable _Further	r Study Note	S:			
3.19 f Sinks and hand dryers are loca encourage hand washing.	ted in publicly ex	posed or semi-exposed areas to deter vandalism and to			
_Yes _No _Not Applicable _Further	r Study Note	S:			
3.19 g Access to and natural surveilla controlled, requiring keys, passes, or		ser bathrooms with locking doors is adequately			
_Yes _No _Not Applicable _Further	r Study Note	3:			

3.19 h	Restr	oom smoke detec	ctors have vandal-re	sistant features, such as protective cages or tamper alarms.		
_Yes	_No	_Not Applicable	_Further Study	Notes:		
3.19 i	Restro	ooms are located	to maximize visual s	surveillance, such as near administrative areas.		
_Yes	_No	_Not Applicable	_Further Study	Notes:		
3.19 j be use	Restro	ooms intended for lout providing acc	r use by people eng cess to the rest of th	aged in after-school activities are conveniently located and can e school.		
_Yes	_No	_Not Applicable	_Further Study	Notes:		
3.19 k	Restr	oom fixtures and	their hardware are r	made of vandal-resistant, readily cleanable materials.		
_Yes	_No	_Not Applicable	_Further Study	Notes:		
3.19 I	Expos	sed hot water pipe	es are insulated and	protected with a cover, as required by the accessibility code.		
Particu	ılarly n	ote under-sink pipe	es that might come int	o contact with wheelchair users' legs.		
_Yes	_No	_Not Applicable	_Further Study	Notes:		
3.19 m	Rest	rooms have hard	ceilings that preven	t hiding contraband in above-ceiling spaces.		
_Yes	_No	_Not Applicable	_Further Study	Notes:		
3.19 n	Restr	ooms have good	mechanical ventilat	ion.		
		vises against using ople, or contraband		on in bathrooms because windows can serve as passageways for		
_Yes	_No	_Not Applicable	_Further Study	Notes:		
schoo	3.19 o Large-event restrooms have two means of entry/egress and can be locked or restricted during normal school operations. Door hardware permits the doors to be locked in the open position during designated events unless the door is in a fire-rated wall.					
_Yes	_No	_Not Applicable	_Further Study	Notes:		
3.19 p Acces	Hand s to tra	dryers, vending of ash containers is	equipment, and tras lockable.	h containers are heavy duty, recessed, and fire-resistant.		
_Yes	_No	_Not Applicable	_Further Study	Notes:		
3.19 q	Elect	rical outlets are p	rotected by ground	fault circuit interrupters (GFCIs).		
_Yes	_No	_Not Applicable	_Further Study	Notes:		
			intained and do not lirrors are intact and	have an offensive smell. No graffit is present and latches for I unbroken.		

legitim	ate us	ers, boosting safet	mote orderly behavior y through their preser ereby reducing super	by demonstrating respect for and ownership of property. They drawnce in larger numbers. Poorly maintained restrooms repel legitimate vision.
_Yes	_No	_Not Applicable	_Further Study	Notes:
as hic	ling pla	r towel, liquid so aces for contraba easons.	ap, and toilet tissue nd. Holders that hav	holders are of a see-through design, making it hard to use them we been retired from use have all been removed from the walls
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.20.	Labs, S	Shops, and Comp	uter Rooms	
dange		ourposes, have a		hemicals, tools, or other items that could be used for ors. Hazard placards on the door conform to the requirements
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.20 b	Staff	have direct surve	eillance over work a	nd entry areas, with no visual obstructions.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.20 c	Labs	, shops, and com	puter room entries h	nave alarm systems to deter breaking and entering.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.20 d alarm		ows in rooms wit	th costly equipment	or hazardous materials are highly burglar resistant, or are
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.20 e	Fire	extinguishers are	located in all labora	atory areas.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.20 f	Circu	its for hazardous	machines are contro	olled via "kill switches."
_Yes	_No	_Not Applicable	_Further Study	Notes:
		ratories and voca	ational shops are eq	uipped with eyewash stations. In existing buildings, they are in
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.20 h	In ch	emistry labs, logs	s are maintained for	all chemicals and dangerous substances.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.20 i good	In voo workir	cational shops, th ng order.	ere is adequate dus	t removal equipment. In existing buildings, the equipment is in
Yes	No	Not Applicable	Further Study	Notes:

3.20 j Paint booths, auto shops, welding boot exterior.	ths, and fume hoods are well ventilated and exhaust directly to the				
_Yes _No _Not Applicable _Further Study	Notes:				
3.20 k Sawdust, used oil, and other debris are stored in fire- and vandal-proof containers.					
_Yes _No _Not Applicable _Further Study	Notes:				
3.20 I An electric solenoid key-operated shut-off switch is installed on each gas line in instructional areas.					
_Yes _No _Not Applicable _Further Study	Notes:				
3.20 m Electrical outlets are protected by ground fault circuit interrupters (GFCIs).					
_Yes _No _Not Applicable _Further Study	Notes:				
3.20 n Battery-powered emergency lights are installed in chemical storerooms that do not have windows.					
_Yes _No _Not Applicable _Further Study	Notes:				
3.21. Art Rooms					
3.21 a Kilns are located in separate rooms with	th adequate exhaust fans or ducts that vent directly to the outside				
_Yes _No _Not Applicable _Further Study	Notes:				
3.21 b Kiln rooms contain no stored goods other than clay products.					
_Yes _No _Not Applicable _Further Study	Notes:				
3.21 c Electrical outlets are protected by ground fault circuit interrupters (GFCIs).					
_Yes _No _Not Applicable _Further Study	Notes:				
3.22. Music Rooms					
3.22 a Faculty have a clear view of the entire music room area, including practice and storage room entries.					
_Yes _No _Not Applicable _Further Study	Notes:				
3.22 b There are lockable rooms for storing equipment and instruments.					
_Yes _No _Not Applicable _Further Study	Notes:				
3.22 c The music room has an alarm system to deter breaking and entering.					
_Yes _No _Not Applicable _Further Study	Notes:				
3.22 d Windows in music and practice rooms	are burglar resistant or alarmed.				
_Yes _No _Not Applicable _Further Study	Notes:				

3.23. <u>L</u>	ance	Ciassiooilis			
3.23 a injurie		e classrooms hav	ve suspended wood	floors or resilient floor covering systems that reduce impact	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.23 b Mirrors in dance classrooms are shatterproof.					
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.24. Cafeterias and Student Commons					
		erias and commo d fighting.	n areas have separa	te entrances and exits into adjacent corridors to reduce	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.24 b	Cafet	erias and commo	on areas are well lit a	and have no shadowy or dark areas.	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.24 c	Cafet	eria and common	s area acoustics are	e designed to keep noise levels low.	
Low noise levels reduce occupant stress and the incidence of misbehavior.					
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.24 d There is a clear view of the entire dining area and serving line from a controlled entry point.					
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.24 e There is sufficient circulation space between and around table areas and serving lines.					
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.24 f The kitchen and serving areas can be secured during and after school hours.					
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.24 g buildir		erias or common	s used after school	are designed to prevent unauthorized access further into the	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.24 h Walk-in coolers, if accessible to students, may be secured when not directly supervised. There is a door release inside the cooler and a distress button that allows an occupant to call for help. In existing buildings, the door release is fully operational.					
_Yes	_No	_Not Applicable	_Further Study	Notes:	

3.24 i Fixed kitchen equipment does not block emergency exit paths.

_Yes	_No	_Not Applicable	_Further Study	Notes:
		en and cafeteria e shing instruction		posted and readily visible, as are "Helping a Choking Victim"
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.25. <u>A</u>	Audito	iums and Theate	<u>rs</u>	
3.25 a Attend	There	are separate, see not have uncon	cure, controllable er trolled access to the	ntrances to the auditorium or theater for after-hours activities.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.25 b	Clear	sight lines allow	for visual surveillan	ce.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.25 c	Seati	ng and circulatior	n layouts reduce or	eliminate traffic flow conflicts.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.25 d	There	e is a secure area	for stage equipmen	t, props, and tools.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.25 e	Acces	ss to catwalks, so	affolding, and uppe	r level platforms is limited and controlled.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.25 f	Stage	lighting and elec	trical equipment co	ntrols are located in locked panels.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.25 g	The a	uditorium or thea	ter layout avoids fe	atures that could contribute to accidental falls.
An alte	rnative	e to an orchestra pi	t is to provide severa	rows of removable seats at the front of the auditorium.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.25 h	Stage	draperies are no	n-flammable or fire-	retardant.
_Yes	_No	_Not Applicable	_Further Study	Notes:
3.26. <u>C</u>	Symna	siums		
3.26 a uncon	The g	ym has separate, access to the re	secure entrances for stool stool secure entrances for the school.	or school use and after-hours activities. Gym users do not have
_Yes	_No	_Not Applicable	_Further Study	Notes:

3.26 b There is a secure area for gym equipment, with an entry visible to gym users and staff.

	_Not Applicable	_Further Study	Notes:
3.26 c Wall	s and entryways a	re free of hiding pla	ces, such as deep niches or recesses.
_Yes _No	_Not Applicable	_Further Study	Notes:
3.26 d Retr	actable partitions	can be fully recesse	ed into walls and locked in place.
_Yes _No	_Not Applicable	_Further Study	Notes:
3.26 e Bask wide on the		provided with safety	borders that are at least 6 feet wide on the sides and 8 feet
Walls or prot	rusions at the ends	s of courts may require	e padding where safety borders are too narrow.
_Yes _No	_Not Applicable	_Further Study	Notes:
guardrails, they are equ	handrails, and fall uipped with safety	-through protection features that preve	andition, free of sharp edges and splinters. They have as appropriate. If the bleachers are electronically controlled, nt entrapment of people as they close. Control buttons are a clear view around, under, and behind the bleachers.
_Yes _No	_Not Applicable	_Further Study	Notes:
3.27. <u>Locke</u>	r Rooms		
3.27 a Coad	ches offices are lo	cated at locker roon	n entries, providing unobstructed views of the locker rooms.
_Yes _No	_Not Applicable	_Further Study	Notes:
3.27 b Lock	er rooms are des	igned to maintain na vercrowding, or, if f	Notes: atural surveillance, with lockers recessed in perimeter walls and reestanding, limited in height to 4 feet or placed in rows
3.27 b Lock adequately perpendicu	ter rooms are des	igned to maintain na vercrowding, or, if f w walls.	atural surveillance, with lockers recessed in perimeter walls and
3.27 b Lock adequately perpendicu _Yes _No	ser rooms are des spaced to avoid o lar to office windo _Not Applicable	igned to maintain na vercrowding, or, if f w walls. _Further Study	atural surveillance, with lockers recessed in perimeter walls and reestanding, limited in height to 4 feet or placed in rows
3.27 b Lock adequately perpendicu _Yes _No 3.27 c The	ser rooms are des spaced to avoid o lar to office windo _Not Applicable	igned to maintain na vercrowding, or, if f w wallsFurther Study	atural surveillance, with lockers recessed in perimeter walls and reestanding, limited in height to 4 feet or placed in rows Notes:
3.27 b Lock adequately perpendicu _Yes _No 3.27 c The _Yes _No	ter rooms are des spaced to avoid of ar to office windo _Not Applicable locker room has a _Not Applicable	igned to maintain navercrowding, or, if fow walls. _Further Study solid ceiling so cor _Further Study	ntural surveillance, with lockers recessed in perimeter walls and reestanding, limited in height to 4 feet or placed in rows Notes: htraband cannot be hidden in above-ceiling spaces.
3.27 b Lock adequately perpendicul. _Yes _No 3.27 c The _Yes _No 3.27 d Lock shatterproof	ter rooms are des spaced to avoid of ar to office windo _Not Applicable locker room has a _Not Applicable	igned to maintain navercrowding, or, if fow walls. _Further Study solid ceiling so cor _Further Study fixtures, and hardy	Atural surveillance, with lockers recessed in perimeter walls and reestanding, limited in height to 4 feet or placed in rows Notes: Attraband cannot be hidden in above-ceiling spaces. Notes:
3.27 b Lock adequately perpendicu _Yes _No 3.27 c TheYes _No 3.27 d Lock shatterproo	der rooms are des spaced to avoid o lar to office windo _Not Applicable locker room has a _Not Applicable der room windows f. _Not Applicable	igned to maintain nativercrowding, or, if fow walls. _Further Study solid ceiling so cort _Further Study fixtures, and hardy _Further Study	Notes: Notes: Notes: Notes: Notes:
3.27 b Lock adequately perpendicu _Yes _No 3.27 c The _Yes _No 3.27 d Lock shatterproo	der rooms are des spaced to avoid o lar to office windo _Not Applicable locker room has a _Not Applicable der room windows f. _Not Applicable	igned to maintain nativercrowding, or, if fow walls. _Further Study solid ceiling so cort _Further Study fixtures, and hardy _Further Study en mesh type, makin	Notes: Notes: Notes: Notes: Notes: Notes: Notes:
3.27 b Lock adequately perpendicul. _Yes _No 3.27 c TheYes _No 3.27 d Lock shatterprood _Yes _No 3.27 e LockYes _No	cer rooms are desspaced to avoid of lar to office windo _Not Applicable coker room has a _Not Applicable cer room windows f. _Not Applicable cers are of the ope _Not Applicable	igned to maintain navercrowding, or, if fow walls. _Further Study solid ceiling so cor _Further Study fixtures, and hardy _Further Study en mesh type, makin _Further Study	Attural surveillance, with lockers recessed in perimeter walls and reestanding, limited in height to 4 feet or placed in rows Notes: Notes: Vare are vandal and impact resistant, and mirrors are Notes: g concealment of prohibited items more difficult.

Lockers" and are not adjace	nt to those of home t	team locker rooms.		
Separation and clear labeling h	nelp avoid confusion a	and conflict.		
_Yes _No _Not Applicable	_Further Study	Notes:		
3.27 h Lockers are locked w and lockers.	ith school-owned pa	dlocks. The school retains ownership and access to the locks		
_Yes _No _Not Applicable	_Further Study	Notes:		
3.28. Interior Doors				
3.28 a Door hardware allows	s staff to quickly lock	crooms from the inside without having to step into the hallway.		
See also Classrooms, above.				
_Yes _No _Not Applicable	_Further Study	Notes:		
3.28 b Door access devices where students have secure		s or proximity cards allow staff to gain quick entry to any room		
_Yes _No _Not Applicable	_Further Study	Notes:		
3.28 c Hardware does not pe security officers in pursuit.	ermit criminals or va	ndals to lock hall doors as a way of significantly slowing down		
_Yes _No _Not Applicable	_Further Study	Notes:		
3.28 d Classroom doors can	always be opened f	rom the inside for emergency egress purposes.		
_Yes _No _Not Applicable	_Further Study	Notes:		
3.28 e Recessed door entrie	s are angled or chan	nfered.		
Chamfered door entry recesse minimize pedestrian collisions	s are inset at 45 rathe and conflicts.	er than 90 degrees to reduce opportunities for concealment and to		
_Yes _No _Not Applicable	_Further Study	Notes:		
3.28 f Interior doors are sized and arranged to reduce congestion and avoid crowding.				
Wider-than-normal (oversize	 doors accommodate development spaces 	ecommended over double doors. e movement of large items and are recommended for accessible s, kitchens, and receiving areas. section, above.		
_Yes _No _Not Applicable	_Further Study	Notes:		
3.28 g Recessed doors do n	ot project more than	7 inches into the corridor.		
		de does not permit a fully opened door to project into a corridor (a		
path of egress travel) by more	than seven inches.			

Notes:

_Yes _No _Not Applicable _Further Study

	3.29.	Interior	Lighting	and	Ceilings
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3.29 a In areas	s subject to eart	hquakes, suspend	led lighting fixtures	s, suspended ce	iling systems, and other
overhead com	ponents and ob	jects an are brace	d and provided with	h safety wires.	

-- An earthquake can subject structural and non-structural building components and their connections to loads for which they were not designed, resulting in injury or death from falling debris. -- Lighting fixtures, ceiling systems, and other overhead components or objects should be mounted to minimize the likelihood that they will fall and injure building occupants. -- Equipment mountings should resist forces of 0.5 times the component's weight in any direction and 1.5 times its weight in the downward direction. This does not preclude the need to design equipment mountings for forces required by other seismic standards. -- Lay-in fluorescent lights must be supported independent of the ceiling grid. Spot lights and track lights must be securely attached to the structure. _Yes _No _Not Applicable _Further Study Notes: 3.29 b Lighting is designed to be easy to clean, and bulbs and tubes are easy to replace. In existing buildings, the lighting is well maintained. _Yes _No _Not Applicable _Further Study Notes: 3.29 c Light levels are appropriate and uniform, creating minimal glare or pockets of shadow. _Yes _No _Not Applicable _Further Study Notes: 3.29 d Daylighting or emergency lighting is provided in areas containing hazardous equipment to enhance safe movement during power interruptions. _Yes _No _Not Applicable _Further Study Notes: 3.29 e Daylighting is provided extensively throughout the school as a means of enhancing safety, especially in classrooms, with the exception of mass shelter areas. See similar criterion under Classrooms. _Yes _No _Not Applicable _Further Study Notes: 3.29 f Light switches for restrooms and corridors are designed so that students cannot operate them, or the switches are located in lockable panels, are centrally controlled by school staff, or are movement-activated. Yes No Not Applicable Further Study Notes: 3.29 g Fluorescent lighting fixtures manufactured before 1979 contain both mercury and PCBs. These have been replaced with PCB-free models and have been disposed of as required by law. Most types of high-intensity discharge (HID) lamps (mercury vapor, metal halide, and high-pressure sodium) also contain mercury. For more information, see http://www.epa.gov/Region9/cross_pr/p2/projects/pcbs.html

3.30. Elevators

_Yes _No _Not Applicable _Further Study

3.30 a Elevators have adequate security measures in place to address local conditions. Elevator cabs and landing areas are well lit.

Notes:

Options include: a) Limiting use and access to authorized individuals. b) Installing elevators in the main lobby or other areas with good visual surveillance. c) Including a 5-foot-deep landing area in front of the elevator, out of hallway traffic, to minimize traffic conflicts. d) Installing video cameras in front of and within elevator cabs. e) Providing elevator recall and emergency message capability.				
_Yes _N	o _Not Applicable	_Further Study	Notes:	
3.31. Wate	r Fountains			
3.31 a Wa	ter fountains are w	heelchair accessible).	
The spot beneath th	e apron of the founta	36 inches off the floor in.	r, with at least 27 inches of clearance for wheelchair users'legs	
_Yes _N	o _Not Applicable	_Further Study	Notes:	
3.31 b Wa	ter fountains do no	t impede traffic flow	or lead to overcrowding or conflicts.	
Options inc 1) Fountair 2) Fountair	ns are placed in gath	ering areas that are ty eas that can be close	pically monitored, or in an area of natural surveillance. d off by a roll-down security grill.	
_Yes _N	Not Applicable	_Further Study	Notes:	
3.31 c Wa Spash gua	ter fountains are va ards are made of so	andal resistant in ma ft, bendable materia	aterials and placement, solidly mounted, and well secured. Il.	
_Yes _N	Not Applicable	_Further Study	Notes:	
3.32. <u>Vend</u>	ing Machines and I	Public Telephones		
3.32 a Vei isolated a		d public telephones	are located in well-monitored activity areas rather than in	
_Yes _N	Not Applicable	_Further Study	Notes:	
3.32 b Ve	nding machines are	recessed flush in a	lcoves that do not provide hiding places.	
_Yes _N	o _Not Applicable	_Further Study	Notes:	
3.32 c Outdoor vending machines are adequately secured for local conditions.				
 If subject to vandalism, vending machines can be enclosed in a recessed area that can be closed off by a roll-down security grill or in wire cages with hand openings for operating the machines. Wire cages can look menacing, however, and should be used as a last resort. It's preferable to temporarily remove or relocate machines to a location easier to control. Many health experts advocate doing away with vending machines. 				
_Yes _N	o _Not Applicable	_Further Study	Notes:	
3.32 d Ve	nding machines and	d public telephones	don't impede natural surveillance or cause foot traffic conflicts.	
_Yes _N	Not Applicable	_Further Study	Notes:	

3.32 e A pay phone, emergency call station, or similar device is available external to emergencies.	the building for after-hours			
_Yes _No _Not Applicable _Further Study Notes:				
3.33. Fire Alarm and Control Systems				
3.33 a All fire alarms and control systems meet local code requirements, are maintai and are in good working order.	ned by qualified personnel,			
_Yes _No _Not Applicable _Further Study Notes:				
3.33 b Fire extinguishers, pull stations, and standpipe cabinets are located where the	ey can be easily monitored.			
Pull stations chronically used for false alarms can be put under electronic surveillance.				
_Yes _No _Not Applicable _Further Study Notes:				
3.33 c Alarms can be perceived and recognized as evacuation signals above ambien everyone in the area.	t noise or light levels by			
_Yes _No _Not Applicable _Further Study Notes:				
3.33 d Fire alarm panels are not accessible to unauthorized personnel.				
_Yes _No _Not Applicable _Further Study Notes:				
3.33 e There is redundant off-premises fire alarm reporting, such as to a fire station	or a monitoring center.			
_Yes _No _Not Applicable _Further Study Notes:				
3.33 f Fire-detection equipment is reasonably protected from incapacitating mechan	ical or physical impact.			
_Yes _No _Not Applicable _Further Study Notes:				
3.33 g Outdoor fire detection and response systems are protected against vandalism, corrosion, and the elements.				
_Yes _No _Not Applicable _Further Study Notes:				
3.33 h An alarm system backup battery or emergency generator can operate the system for 24 hours.				
This protects occupants if the power goes out or the school is used as a temporary shelter.				
_Yes _No _Not Applicable _Further Study Notes:				
3.34. Means of Egress in Existing Buildings				
3.34 a Every passageway from corridors and stairs to the street is clear of obstruction	ons or impediments.			
Examples of violations are empty boxes, boxes of used fluorescent light tubes, carts, lawnracks, and stored equipment, and tripping hazards such as electric cords, tools, lumber, an	nowers, steel racks, ball d hoses.			
_Yes _No _Not Applicable _Further Study Notes:				

3.34 b	Exit	doors have no loc	ks, chains, or faster	nings to prevent escape from inside the building.	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.34 c	Areas	s required by the	building or fire code	to have two exits have, in fact, two functioning exits.	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.34 d people		doors open in the	direction of egress	travel from areas designed to be occupied by more than 50	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.34 e	All eg	ress paths are 28	inches or more in v	vidth.	
Examp betwee	oles of en row	violations include a s of desks or tables	a space of only 17 inc	hes between a desk and wall in an egress path or only 14 inches	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
signs disting	in app ctive ir	ropriate language n color and easily	es, so everyone read distinguished from	visible, conspicuously indicated and reliably illuminated, with lily knows the direction of escape from any point. Exit signs are decorations, finishes, and other signs. "EXIT" lettering is at than 3/4-inch wide.	
Decora	ations (or other materials o	cannot obstruct the vie	ew of, or access through, any element of a means of egress.	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.34 g	Exits	do not rely on pa	ssage through roon	ns or spaces subject to locking.	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.34 h Storage or use of flammable or combustible materials in exit ways is explicitly prohibited and school staff, contractors, and others using the school understand this.					
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.34 i Doors, passageways, or stairways that are neither exits nor leading to exits, but that can be mistaken for exits, are marked with a "NOT AN EXIT" sign or similar designation.					
Other	approp	riate marking woul	d be "To Basement,"	"To Store Room," "To Mechanical Room," etc.	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.35. <u>C</u>	3.35. General Fire Requirements for Existing Buildings				
3.35 a	All fir	e doors are tight	fitting and in good o	pperational condition.	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.35 b spread	3.35 b There are no openings in walls, floors, ceilings, or above-ceiling spaces that would contribute to the spread of fire or smoke from one room to another.				

_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.35 c	Vertic	cal clearance betw	veen sprinklers and	objects below them is at least 18 inches.	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.35 d	There	e is adequate clea	rance between store	ed materials and light fixtures or heaters.	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.35 e	Deco	rative materials, o	curtains, draperies, s	streamers, and fabrics are flame resistant.	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.35 f	Teach	ing materials and	d children's artwork	cover 20 percent or less of the wall area.	
See Se	ection '	14.7.3.3 of NFPA 1	01, Life Safety Code	, 2003.	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.36. <u>S</u>	Storage	and Equipment	Rooms		
equipr	nent a	oms containing n re identified by n al equipment is lo	umber or simply as	al, communications, water, fire, security, and other critical "Equipment Room" to help prevent intruders from knowing	
Check	with lo	cal emergency ser	rvices to ensure they	are comfortable with this kind of unspecific designation.	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
			are made of metal o ırity strike plates.	r solid wood, with concealed hinges, pick plates, high quality	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.36 c	Chem	nical storage area	s are labeled with a	ppropriate NFPA hazard diagrams.	
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.36 d Custodial closets containing cleaning solvents or other potentially toxic materials, potentially hazardous tools, or master keys, are kept securely locked.					
_Yes	_No	_Not Applicable	_Further Study	Notes:	
3.37. <u>N</u>	3.37. Non-Structural Building Hazards				
			e-prone, or wind ha juately secured agai	zard areas, roof tiles, parapets, cornices, balconies, signs, nst falling.	
_Yes	_No	_Not Applicable	_Further Study	Notes:	

3.37 b In high risk or earthquake-prone areas, free-standing appliances, office equipment, sculpture, TVs, hanging plants, file cabinets, lockers, bookshelves, aquariums, and other unsecured heavy objects, along with

ductwork, water heaters a	nd other tanks, are add	equately secured against falling.
_Yes _No _Not Applicat	ole _Further Study	Notes:
3.37 c In high risk or earth equipment and gauges are		eavy mechanical equipment is adequately secured. Sensitive oration damage.
For instance, spring isolated	d equipment is restrained	d from jumping off isolators.
_Yes _No _Not Applicat	ole _Further Study	Notes:
3.37 d In high risk or earth the structure above.	hquake-prone areas, p	artitions that terminate at hung ceilings are properly braced to
		g earthquake or explosive forces because of their stiffness and mass, gerous around stairs and exit ways.
_Yes _No _Not Applicat	ole _Further Study	Notes:
3.37 e In high risk or earth braced or supported.	nquake-prone areas, co	eilingsparticularly heavy lath or plaster ceilingsare adequately
Suspended ceilings require structural framing.	diagonal bracing. Plaste	er and gypsum board ceilings and soffits should be secured to
_Yes _No _Not Applicat	ole _Further Study	Notes:
3.38. Emergency Shelters		
	re identified, with spec	used for refuge, such as school gymnasiums, hallways, or ial consideration given to egress, lockdown ability, and
_Yes _No _Not Applicab	ole _Further Study	Notes:
3.38 b In wind hazard area	as, large shelter space	s such as gyms have adequately reinforced roofs.
Long-span-construction is n	ormally inadequate.	
_Yes _No _Not Applicat	ole _Further Study	Notes:
		areas either have no windows or have readily available shutters block projectiles or flying glass.
_Yes _No _Not Applicat	ole _Further Study	Notes:
4. COMMUNICATIONS SYS	STEMS	
4.1. Building Notification S	Systems	
	system reaches all bui	ilding occupants (public address, pager, cell phone, computer ower.
, ,	۶ ، ن ن ن	

Depending on building size, the mass notification system will provide warning and alert information, along with actions to take before and after an incident.

Notes:

_Yes _No _Not Applicable _Further Study

4.1 b An uninterruptible power supply (UPS) provides emergency backup power.
A UPS should be located at all computerized points, from the main distribution facility to individual data closets and at critical personal computers/terminals Critical LAN sections should also have uninterruptible power.
_Yes _No _Not Applicable _Further Study Notes:
4.1 c In high risk, earthquake-prone, and wind hazard areas, exterior communication system components are adequately braced and supported. In high risk and earthquake-prone areas, interior communication system components are adequately braced and supported.
Post- event communications are vital for issuing instructions to school administrators, students, faculty, and staff. Some components, such as satellite disc antennas, are easily damaged if not adequately supported.
_Yes _No _Not Applicable _Further Study Notes:
4.2. Radio/Wireless Communication Systems
4.2 a The facility has the necessary transmitters, receivers, and repeaters to ensure radio communication by EMS personnel everywhere in the building.
Radio frequency communication may not be possible within parts of larger schools, particularly if their construction incorporates many steel components, such as structural steel framing, steel bar joists, steel studs, and metal roof and floor decking.
_Yes _No _Not Applicable _Further Study Notes:
4.2 b A sufficient number of hand-held two-way radios or cellular phones are available to staff.
The principal, vice principal, front office staff, playground supervisors, bus drivers, custodians, lunch duty staff, crossing guards, and school resource officers should have these devices.
_Yes _No _Not Applicable _Further Study Notes:
4.3. Telephone Systems
4.3 a The main telephone distribution room is secure.
_Yes _No _Not Applicable _Further Study Notes:
4.3 b The telephone system has an uninterruptible power supply (UPS).
Many telephone systems are computerized and need a UPS to ensure reliability during power fluctuations The UPS is also needed while waiting for emergency power to come on line or to allow an orderly shutdown.
_Yes _No _Not Applicable _Further Study Notes:
4.4. Communications Wiring
4.4 a In high risk areas, communications system wiring is distributed in secure chases and risers, or otherwise secure areas, to prevent tampering.
_Yes _No _Not Applicable _Further Study Notes:

4.4 b Panic or duress alarm buttons are installed at the reception desk.

_Yes _No	_Not Applicable	_Further Study	Notes:
4.4 c In high isolated are carry penda	as, or along the b	c button or intercom uilding perimeter as	call boxes are used in parking areas, at entry points, in needed. Where permanent buttons are impractical, individuals
_Yes _No	_Not Applicable	_Further Study	Notes:
5. BUILDING	ACCESS CONTR	ROL AND SURVEILL	ANCE
5.1. Building	Access Control		
	aining high-value		hroughout hallways, administrative offices, exit doors, and omputers, shop equipment, laboratory supplies, and musical
secondary en perimeter, ro as chemistry	ntry points, stairwe oms containing val labs and maintena	lls, courtyards, unsup luable equipment or s	ion detection, and electronic surveillance systems at primary and ervised or hidden areas inside the building and along the building tudent records, and in rooms containing dangerous chemicals such systems.
_Yes _No	_Not Applicable	_Further Study	Notes:
5.1 b Card a	access systems a	re installed through	out the campus for use by students and staff.
Card access keying.	systems greatly si	mplify access control	and eliminate problems associated with lost keys and massive re-
_Yes _No	_Not Applicable	_Further Study	Notes:
5.1 c Where	keyed locks are	used, a master key o	control system is in place to monitor keys and duplicates.
_Yes _No	_Not Applicable	_Further Study	Notes:
5.1 d Device	es used for physi	cal security are integ	grated with computer security systems.
For example	, they are used in p	place of or in combina	tion with user ID and system passwords.
_Yes _No	_Not Applicable	_Further Study	Notes:
	n risk areas, magı ed effectively.	netometers (metal de	etectors) and x-ray equipment are installed. Where installed,
_Yes _No	_Not Applicable	_Further Study	Notes:
5.1 f Acces specification	s to information ones is controlled a	n building operation nd available only to	ns, schematics, procedures, detailed drawings, and authorized personnel.
_Yes _No	_Not Applicable	_Further Study	Notes:
5.2. CCTV S	urveillance Syste	ms	

5.2 a CCTV camera systems cover appropriate areas of the school and record to digital or tape devices, which are set up to send images to printers or be downloaded onto disks. The pictures printed from this equipment

provide clear enough images to identify suspects in a court of law.								
_Yes	_No	_Not Applicable	_Further Study	Notes:				
5.2 b CCTV cameras use lenses that capture useful images under existing lighting conditions. Infrared is used if needed for dark areas or at night.								
_Yes	_No	_Not Applicable	_Further Study	Notes:				
5.2 c Cameras are triggered by motion or intrusion.								
_Yes	_No	_Not Applicable	_Further Study	Notes:				
5.2 d Camera housings are designed to protect against tampering, vandalism, and exposure to extreme temperature or moisture.								
_Yes	_No	_Not Applicable	_Further Study	Notes:				
5.2 e Cameras have an uninterruptible power supply and are connected to the building's emergency power supply.								
_Yes	_No	_Not Applicable	_Further Study	Notes:				
6. UTILITY SYSTEMS								
C 4 C:	4- 4: :	L!						
6.1. <u>Si</u>								
6.1 a vanda	Utility I	ifelines (water, p	ower, voice, data an ers, preferably by co aced as needed.	nd internet communications, etc.) are adequately protected from oncealing, burying, or encasing. They are protected at points of				
6.1 a vanda entry i	Utility I lism ar nto the	ifelines (water, p	ers, preferably by co raced as needed.	nd internet communications, etc.) are adequately protected from oncealing, burying, or encasing. They are protected at points of Notes:				
6.1 a vanda entry i _Yes	Utility I lism ar nto the _No Critica	ifelines (water, p nd natural disaste building, and br _Not Applicable	ers, preferably by coraced as needed. _Further Study nain telephone switch	oncealing, burying, or encasing. They are protected at points of				
6.1 a vanda entry i _Yes 6.1 b humid	Utility I lism an nto the _No _Critica ity exc	ifelines (water, p nd natural disaste building, and bu _Not Applicable	ers, preferably by coraced as needed. _Further Study nain telephone switch peration limits.	oncealing, burying, or encasing. They are protected at points of Notes:				
6.1 a vanda entry i _Yes 6.1 b humid _Yes 6.1 c	Utility I lism ar nto the _No Critica ity exc _No	ifelines (water, p nd natural disaste e building, and br _Not Applicable I systems (e.g., n eeding normal o	ers, preferably by coraced as needed. _Further Study nain telephone switch peration limits. _Further Study are multiple, redunce	Notes: ch room) are protected against extreme temperature and				
6.1 a vanda entry i _Yes 6.1 b humid _Yes 6.1 c enterii	Utility I lism ar nto the _No Critica ity exc _No in high	ifelines (water, p nd natural disaste e building, and br _Not Applicable I systems (e.g., n eeding normal o _Not Applicable risk areas, there	ers, preferably by coraced as needed. _Further Study nain telephone switch peration limits. _Further Study are multiple, redunction building.	Notes: Notes: Notes: Notes:				
6.1 a vanda entry i _Yes 6.1 b humid _Yes 6.1 c enterii _Yes	Utility I lism ar nto the _No Critica ity exc _No n high ng the	ifelines (water, p nd natural disaste e building, and br _Not Applicable I systems (e.g., n eeding normal o _Not Applicable risk areas, there site and serving	ers, preferably by coraced as needed. _Further Study nain telephone switch peration limits. _Further Study are multiple, redunct the building. _Further Study	Notes: Notes: Notes: Ch room) are protected against extreme temperature and Notes: dant locations for the telephone and communications service				
6.1 a vanda entry i Yes 6.1 b humid Yes 6.1 c lenterii Yes 6.2. W	Utility I lism ar nto the _No Critica ity exc _No _No _No	ifelines (water, p nd natural disaste building, and br _Not Applicable I systems (e.g., n eeding normal o _Not Applicable risk areas, there site and serving _Not Applicable	ers, preferably by coraced as needed. _Further Study nain telephone switch peration limits. _Further Study are multiple, redunct the building. _Further Study	Notes: Notes: Notes: Ch room) are protected against extreme temperature and Notes: dant locations for the telephone and communications service				
6.1 a vanda entry i _Yes 6.1 b humid _Yes 6.1 c lenterii _Yes 6.2 w Although	Utility I lism ar nto the _No Critica ity exc _No _No ater Su In high gh bottleeds, s	ifelines (water, p nd natural disaste e building, and br _Not Applicable I systems (e.g., n eeding normal o _Not Applicable risk areas, there site and serving _Not Applicable upply and Storage risk, wind hazare led water can satis such as flushing to	ers, preferably by coraced as needed. _Further Study nain telephone switch peration limits. _Further Study are multiple, redunction the building. _Further Study ed, and flood prone and sty requirements for desired.	Notes: Ch room) are protected against extreme temperature and Notes: dant locations for the telephone and communications service Notes:				

6.2 b Only authorized personnel have access to the water supply and its components.

_Yes	_No	_Not Applicable	_Further Study	Notes:				
7. EME	ERGEN	ICY POWER						
7.1. General								
7.1 a	Provis	ions for emergen	cy power throughou	t the building, and especially for critical areas, are in place.				
_Yes	_No	_Not Applicable	_Further Study	Notes:				
7.1 b There is an exterior connection for emergency power from sources such as portable generators.								
_Yes	_No	_Not Applicable	_Further Study	Notes:				
7.1 c In high hazard areas, no single critical node allows both the normal electrical service and the emergency backup power to be affected by a single incident. Emergency and normal electrical equipment are installed at different locations as far apart as possible.								
_Yes	_No	_Not Applicable	_Further Study	Notes:				
8. ME	CHANI	CAL SYSTEMS						
8.1. <u>Fr</u>	esh Ai	r Intakes						
8.1 a Fresh air intakes are located on roofs or placed high on exterior walls, at least 12 feet off the ground (or the fourth floor or higher in tall buildings), and away from vehicle exhaust-laden areas Fresh air intakes are installed at less than 12 feet off the ground, they are within secure fenced areas, cages or enclosures, and are protected by metal mesh sloped at least 45 degrees to reduce the threat of objects being tossed onto them.								
			nwind from air intak	kes and separated by the maximum distance possible.				
Roof-mounted air intake locations are vulnerable to flying debris in high winds, so wall-mounting is preferable Wall intake heights should be increased where existing platforms or building features (i.e., loading docks, retaining walls) might provide access to them.								
_Yes	_No	_Not Applicable	_Further Study	Notes:				
8.2. Air Handling and Filtration								
8.2 a There is a master ventilation system shut-off in the principal's office or other designated area, making it possible to help control the spread of airborne contaminants through the ventilation system from any source, from chemical spills to volcanic ash fall to chemical-biological-radiological (CBR) attack.								
_Yes	_No	_Not Applicable	_Further Study	Notes:				
8.2 b Critical air systems have been balanced after initial construction or rebalanced after later renovation.								
_Yes	_No	_Not Applicable	_Further Study	Notes:				
8.2 c Functional, tight-sealing fire dampers are installed and operational at all fire barriers, as required by building and fire codes.								
_Yes	_No	_Not Applicable	_Further Study	Notes:				
8.2 d	ln high	ı risk areas, a smo	oke evacuation syst	em with adequate purge capacity is operational, installed				

facing away from high-risk buildings, with controls and wires protected against damage, and connected to emergency power.								
_Yes _No _Not Applicable _Further Study	Notes:							
8.3. Equipment Inspection, Maintenance, Recommissioning, and Testing								
8.3 a There are well-maintained records of fire inspections by fire officials, elevator inspections by building officials, and maintenance logs for all mechanical equipment.								
_Yes _No _Not Applicable _Further Study	Notes:							
8.3 b Major mechanical, electrical, plumbing, security, communications, and other systems are maintained, recommissioned, and tested on a preventive maintenance schedule, by trained workers in cooperation with security staff.								
_Yes _No _Not Applicable _Further Study	Notes:							