

HEALTH/LIFE SAFETY TRAINING FOR ROE INSPECTORS

Building Codes
HLS Checklist
Explanation and Examples







History

Health/Life Safety requirements became a part of the school code in 1875 after the Great Chicago Fire.

Our Lady of Angels Fire (Chicago) in 1958 was another tragic fire that triggered life safety provisions for schools not only in Illinois but nationwide.



- ▣ **Lakeview Grammar School – 3/4/1908**
Collinwood, OH – 175 dead
- ▣ **Consolidated School – 3/18/1937**
New London, TX – 294 dead
- ▣ **Our Lady of the Angels School – 12/1/1958**
Chicago, IL – 95 dead



Violence

- ▣ On May 18, 1927, Andrew Kehoe blew up the Bath Consolidated School in Bath Township, Mich., with hundreds of pounds of dynamite. Forty-five people died, including 38 children and Kehoe himself.



Homicides at Illinois Public Schools 2002-2025

Full Date	School Name	City	Density	Enrollment	Short Summary
12/16/2002	Englewood High School	Chicago	Urban	781	Shooting outside school following prior altercation
08/30/2004	Proviso East High School	Maywood	Suburban	1,835	Argument in parking lot while victim was waiting to pick up brother, shot in chest
01/23/2009	Cahokia High School	Cahokia	Rural	841	Gang related shooting outside of school
03/01/2012	Infinity Math Science & Technology High School	Chicago	Urban	20	There was an altercation on the front steps of the school. The offender stabbed two students, one of them fatally.
10/19/2012	Banner Academy South	Chicago	Urban	241	Victim shot during robbery
06/16/2016	McNair Elementary School	Chicago	Urban	322	School employee shot in the head outside of the school - Unknown shooter
01/27/2017	Thomas G Scullen Middle School	Naperville	Suburban	1014	Adult male fatally shot in the parking lot while picking up child
12/28/2019	Mason-Clark Middle School	East St. Louis	Suburban	663	13YOM shot in the street and found dead in school parking lot the next morning
02/19/2021	Lincoln Middle School	Rockford	Suburban	683	Man who was fatally shot found inside vehicle on the front yard of the school
11/17/2021	Lanphier High School	Springfield	Suburban	1,199	Student stabbed one victim in the chest who did not survive his injuries and the other victim had non life threatening injuries.
10/22/2022	Chalmers Elementary School	Chicago	Urban	218	16-year-old boy killed and 13-year-old girl wounded on playground, unsolved case
12/16/2022	Berito Juarez High School	Chicago	Urban	1654	4 students shot at dismissal, gang related
03/01/2023	Sawyer Elementary School	Chicago	Urban	1021	Police officer killed next to school playground while kids were playing
09/15/2023	Hillcrest High School	Country Club Hills	Suburban	1314	Student killed while leaving football game
01/22/2024	CICS Loomis-Longwood High School	Chicago	Urban	1249	Student fatally shot 15 times in drive-by shooting in school parking lot.
01/26/2024	Innovations High School	Chicago	Urban	484	Two students were shot leaving their school.
11/09/2024	Hillcrest High School	Country Club Hills	Suburban	1191	Victim shot in vehicle in parking lot
09/16/2025	Lincoln Middle School	Berwyn	Urban	791	Lee killed his wife and her mother in a murder-suicide outside of the school that his wife worked at.



<https://www.theviolenceproject.org>



School Code History



- ▣ Part 185 – Prior to July 1,1965 *
- ▣ Part 175 – July 1965-1995 *
- ▣ 1993 BOCA – March 95 to July 98
- ▣ 1996 BOCA – July 98 to October 05
- ▣ 2003 IBC – October 05 to September 07
- ▣ 2006 IBC – September 07 to January 10
- ▣ 2009 IBC – January 10 to July 16
- ▣ 2015 IBC – July 2016 to Dec 24
- ▣ 2024 IBC – January 2025 to present

* Repealed and fall under 1993 BOCA



What Code Do We Use?



Part 185 *



1957
Original

1998
Addition

2016
Addition

2007
Temp



1993 BOCA
(permit issued before
July 5 code change)

Part 185 *



1998
Addition

1957
Original

2016
Addition

2007
Temp



1993 BOCA
(permit issued before
July 5 code change)

Part 185 *

2003 IBC
(permit issued before
Sept 24 code change)



1993 BOCA
(permit issued before
July 5 code change)

Part 185 *

2003 IBC
(permit issued before
Sept 24 code change)

2009 IBC



1993 BOCA
(permit issued before
July 5 code change)

Part 185 *

2003 IBC
(permit issued before
Sept 24 code change)

2009 IBC



1998
Addition

1957
Original

2016
Addition

2007
Temp



Bathroom Fire 2018



Administrative and General Building Requirements

Safety Reference Plans (1)

- ▣ **Based on 23 Illinois Administrative Code 180 Section 180.120 Safety Reference Plans shall include:**
 - A site plan
 - Schematic floor plan
 - An attic plan
 - Such additional drawings as needed to adequately explain operational characteristics of the facility.



Administrative and General Building Requirements

School Safety Drills (2)

SCHOOL DRILL DOCUMENTATION														
DISTRICT NAME AND NUMBER					SCHOOL NAME					PRINCIPAL IN CHARGE				
DRILL TYPE		INCIDENT TYPE		SIMULATED CONDITION		DATE		TIME						
EVACUATION 1		FIRE												
Initials of Key School Participants and Backups					Evaluation of Drill Objectives (Check "S" for satisfactory or "I" for improvement(s) needed.)									
Director	Admin	Security	Spokesperson	Enforcer	Hazardous Materials	Student Response Evaluation	Observed in Drill Case	First Response Communication	Accounted for	Completed				
					S	I	S	I	S	I				
Local Fire Official Present? ☐ Yes ☐ No. Local Fire Official's Initials to certify that a school evacuation drill was conducted while present: _____														
DRILL TYPE		INCIDENT TYPE		SIMULATED CONDITION		DATE		TIME						
EVACUATION 2		FIRE												
Initials of Key School Participants and Backups					Evaluation of Drill Objectives (Check "S" for satisfactory or "I" for improvement(s) needed.)									
Director	Admin	Security	Spokesperson	Enforcer	Hazardous Materials	Student Response Evaluation	Observed in Drill Case	First Response Communication	Accounted for	Completed				
					S	I	S	I	S	I				
Local Fire Official Present? ☐ Yes ☐ No. Local Fire Official's Initials to certify that a school evacuation drill was conducted while present: _____														
DRILL TYPE		INCIDENT TYPE		SIMULATED CONDITION		DATE		TIME						
EVACUATION 3		FIRE												
Initials of Key School Participants and Backups					Evaluation of Drill Objectives (Check "S" for satisfactory or "I" for improvement(s) needed.)									
Director	Admin	Security	Spokesperson	Enforcer	Hazardous Materials	Student Response Evaluation	Observed in Drill Case	First Response Communication	Accounted for	Completed				
					S	I	S	I	S	I				
Local Fire Official Present? ☐ Yes ☐ No. Local Fire Official's Initials to certify that a school evacuation drill was conducted while present: _____														
DRILL TYPE		INCIDENT TYPE		SIMULATED CONDITION		DATE		TIME						
BUS EVACUATION 1														
Initials of Key School Participants and Backups					Evaluation of Drill Objectives (Check "S" for satisfactory or "I" for improvement(s) needed.)									
Director	Admin	Security	Spokesperson	Enforcer	Hazardous Materials	Student Response Evaluation	Observed in Drill Case	First Response Communication	Accounted for	Completed				
					S	I	S	I	S	I				
Drill supported for in Curriculum? ☐ Yes ☐ No. Curriculum includes instruction safe bus riding practices for all students? ☐ Yes ☐ No														
DRILL TYPE		INCIDENT TYPE		SIMULATED CONDITION		DATE		TIME						
SHELTER IN PLACE 1		TORNADO												
Initials of Key School Participants and Backups					Evaluation of Drill Objectives (Check "S" for satisfactory or "I" for improvement(s) needed.)									
Director	Admin	Security	Spokesperson	Enforcer	Hazardous Materials	Student Response Evaluation	Observed in Drill Case	First Response Communication	Accounted for	Completed				
					S	I	S	I	S	I				
Local First Responder Present? ☐ Yes ☐ No. Local First Responder's Initials to certify that a shelter-in-place drill was conducted while present: _____														
DRILL TYPE		INCIDENT TYPE		SIMULATED CONDITION		DATE		TIME						
LAW ENFORCEMENT 1		SHOOTING												
Initials of Key School Participants and Backups					Evaluation of Drill Objectives (Check "S" for satisfactory or "I" for improvement(s) needed.)									
Director	Admin	Security	Spokesperson	Enforcer	Hazardous Materials	Student Response Evaluation	Observed in Drill Case	First Response Communication	Accounted for	Completed				
					S	I	S	I	S	I				
Local Law Enforcement Present? ☐ Yes ☐ No. Local Law Enforcement's Initials to certify that a school lockdown drill was conducted while present: _____														

CC: Appropriate Regional Superintendent or OSPM if non-public school

Print _____ Board Print _____

ISS 9142 (7/13) ISS/OSPM Guide - For Public Schools Using Documenting the Completion of Minimum OSR Requirements B-D



Administrative and General Building Requirements

Annual Review of Crisis Plans (3)

Minimum Component Checklist

District: _____ School: _____ District Review Officer: _____
 Reviewed Date: _____ Prepared by: _____
 (To indicate review frequency, circle "Y" when completed, "M" when Missing, or "N" when Not reviewed)

I. Concept of Operations:			
A. Description of the school's overall approach to emergency operations:	Y	M	N
B. Location of the school and when emergency plans will be implemented:	Y	M	N
C. Identify who will coordinate with first responder agencies and how the coordination will take place:	Y	M	N
D. Identify who will be responsible for making revisions to the Master School Emergency and Crisis Response Plan and for communicating to all agencies (i.e. principals, first responders, etc.):	Y	M	N
II. Detection and Control:			
A. School Emergency Management Organization (Incident Command System):	Y	M	N
B. Definition, Assignment of Roles, and Responsibilities with designated backup for each role:	Y	M	N
1. Responsibilities of individuals who respond to emergency at crisis:	Y	M	N
2. Responsibilities of teacher assistants and other members of the emergency team:	Y	M	N
3. Responsibilities of personnel who will ensure the proper execution of the planned response:	Y	M	N
4. Responsibilities for communicating with first responders, including emergency facilities, representatives of the media, and other members of the community:	Y	M	N
5. Responsibilities for maintaining emergency-related records:	Y	M	N
C. Description of the Emergency plan(s) (i.e. what disaster happens, when, and at where disaster) to address various emergency scenarios that are known to occur at or affect schools, including at least:	Y	M	N
1. Severe weather:	Y	M	N
2. Fire:	Y	M	N
3. Bomb threat or the discovery of suspicious items:	Y	M	N
4. Suspicious package:	Y	M	N
5. The failure of utilities or loss of water, electricity:	Y	M	N
6. Gun incidents:	Y	M	N
7. The release of hazardous materials, both indoors and outdoors:	Y	M	N
8. The occurrence of an epidemic, use of a weapon, or taking of a hostage:	Y	M	N
9. Public health or medical emergencies:	Y	M	N
10. Earthquake:	Y	M	N
11. Nuclear power plant accidents (if located within 10 miles of each school):	Y	M	N
D. Summary of measures that are available when responding to emergencies including:	Y	M	N
1. Emergency routes for evacuating persons, by site and agency, who will be contacted in an emergency:	Y	M	N
2. Methods for accounting for the whereabouts and status of all children and the personnel authorized for releasing children, use the care of their parents and others:	Y	M	N
3. Emergency guidance material and the method of providing it to students, staff, and other support personnel such as bus drivers, secretaries, custodians, and visitors:	Y	M	N
4. Emergency supplies and equipment (such as first aid kits, food, water, emergency lighting, dual two-way and battery operated radios, etc.) maintained for students and staff to use during emergencies at crisis:	Y	M	N
III. Training and Preparedness:			
A. The description of activities (such as the training provided and the materials used) to ensure that all administrators, staff and students understand the warning signals and know what to do in an emergency, including but not limited to the objectives and types of school drills conducted in accordance with Sections 11 and 20 of the Act:	Y	M	N
B. Information that exists about the school, such as hazard surveys, most maps, new plans, safety reference plans (see 11 B, Act, Code 121.121), community agreements, etc:	Y	M	N
C. Record and records of the required school safety drills and any special drills conducted:	Y	M	N

3.0



Administrative and General Building Requirements

Shower/Eye Wash Stations (19)



YES



NO



Administrative and General Building Requirements

Unobstructed Exits (6)



Administrative and General Building Requirements

Testing Emergency Lights and Exit Signs (8)

- ▣ Exit signs are to be lit while building is occupied.
- ▣ Press switch on sign to ensure battery back-up is functional.
- ▣ Test emergency lights to ensure all are in working order.



Administrative and General Building Requirements

Flam/Comb Liquids and Chemicals (9)

- ▣ Properly labeled
- ▣ In proper container
- ▣ In approved cabinet
- ▣ Should have SDS for each product



Administrative and General Building Requirements

Fire Alarm System (10)

ITM of Fire Alarm Systems (13)

- ▣ Needs to be in a system normal condition.
- ▣ Inspected yearly by alarm company.
- ▣ Demand immediate repair if in “trouble”.



Administrative and General Building Requirements

Unobstructed Manual Fire Alarm Pull Stations (12)



Administrative and General Building Requirements

Functional Sprinkler System (14)

Functional Standpipe System (16)

- Sprinkler and Standpipe systems shall be inspected annually.
- Shall be in operating condition.



Administrative and General Building Requirements

Functional Sprinkler System (14)

Functional Standpipe System (16)

- ▣ In standpipe systems with hose cabinets, hoses need to be inspected annually and tested every 5 years after date of manufacture and every 3 years after that.



Administrative and General Building Requirements

Clearance Above Storage (15)

Storage 18" below
sprinkler heads

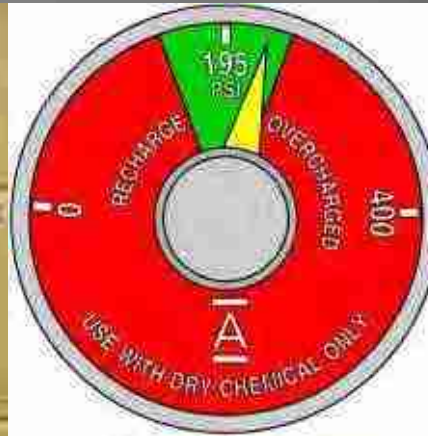


Storage 24" below ceiling in
non-sprinkled buildings



Administrative and General Building Requirements

Fire Extinguishers (17)



75' Travel Distance



Administrative and General Building Requirements

Shower/Eye Wash Stations (19)

- ▣ Must be 15 minute constant flow
- ▣ Make sure flow is adequate – hard water is a issue



Administrative and General Building Requirements

Decorative Vegetation (21)

- ▣ The IFC prohibits natural cut trees in areas that are not protected with sprinklers.
- ▣ If sprinklers are installed, then certain minimum requirements apply for the display of natural cut trees.



Administrative and General Building Requirements

Curtain, draperies and Decorations (23)

- ❑ Must not promote spread of fire
- ❑ Must allow for orderly evacuation
- ❑ Must not block safety features of building



Administrative and General Building Requirements

Extension Cords and Multiple Plug Adaptors (25)

- ▣ Extension are for temporary use only
- ▣ Use fused power strip for multiple outlets
- ▣ Do not piggyback power strips



Administrative and General Building Requirements

Electrical Systems (26)

- ▣ All identified electrical hazards shall be abated.

- ▣ Examples
 - Unsecured electrical panels accessible to students
 - Electrical panels not properly labeled
 - Open spots in the circuit panel
 - Broken outlets
 - Missing switch/outlet covers



Administrative and General Building Requirements

Carbon Monoxide Detection (27)



Carbon monoxide detection is required in any place a gas consuming appliance is utilized.

Existing buildings can utilize plug in detectors.

In new construction detectors shall be tied into the fire alarm system.



Administrative and General Building Requirements

Security Locking (28)



For any hardware assemblies installed or physically replaced *on or after July 1, 2019*, unlatching must be completed within **one single egress motion.**



Arts and Craft Rooms

- ▣ Non toxic art supplies applies to grade school level (k-6)
- ▣ Kiln fuel switch applies to fuel fed kilns
- ▣ Explosion proof fixtures apply to areas where flammable/combustible materials are used



Arts and Craft Rooms

Spray Finishing (81)

- ▣ Area or room must be protected with sprinklers
- ▣ Sprinklers in spray area/exhaust
- ▣ Cover sprinkler heads with thin plastic bags
- ▣ Mechanical exhaust directly to outside
- ▣ No welding or other spark producing operations



Arts and Craft Rooms

Safety Glasses (86)

- Protective eye glasses shall be provided to and worn by all students, teachers, and visitors when participating in or observing dangerous vocational arts and chemical-physical courses of laboratories as specified in 105 ILCS 115/1. Eye protection shall comply with ANSI Z87.1.
- Glasses can be issued or kept in room.



Auditoriums

Specific Requirements

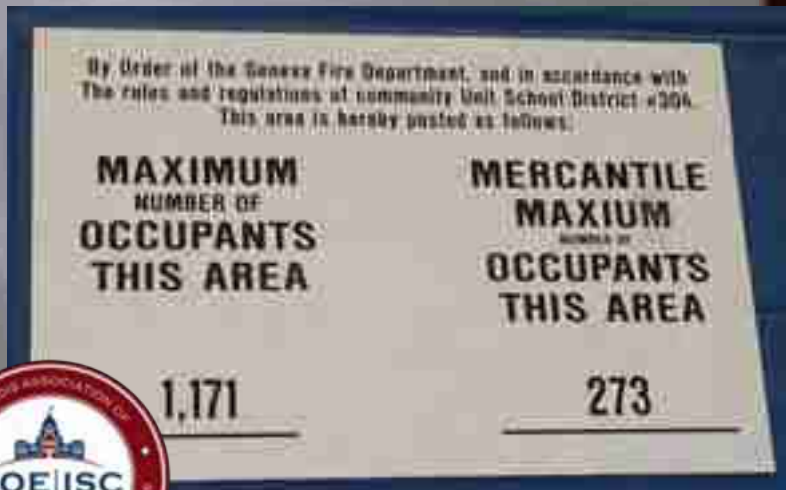
- ▣ Must post occupancy loads (111)
- ▣ Must have proper number of exits (112)
- ▣ Means of egress arrange (113)
- ▣ Illuminated exit signs (114)
- ▣ Emergency Lighting (115)
- ▣ Fire Rated Construction (116)
- ▣ Fire Detection (117)



Auditoriums

Posted Occupancy Loads

Occupant loads must be posted in a place conspicuous to the general public.



Automotive Shops

Specific Requirements

- ▣ Emergency lighting (141)
- ▣ Fire-rated construction (142)
- ▣ Fire detectors (143)
- ▣ Spray finishing (144)
- ▣ Limited spray spaces (145)
- ▣ Electrical wiring/Equip (146)
- ▣ Welding booth exhaust (147)
- ▣ Eye glasses (148)



Automotive Shops

Specific Requirements



Automotive Shops

Limited Spray Surfaces (145)



Automotive Shops

Welding Booth Exhaust (147)



Bleachers and Grandstands

- ❑ No storage underneath unless designed for with sprinkler or fire alarm system
- ❑ Must be maintained and safe for occupancy.



Boiler Room

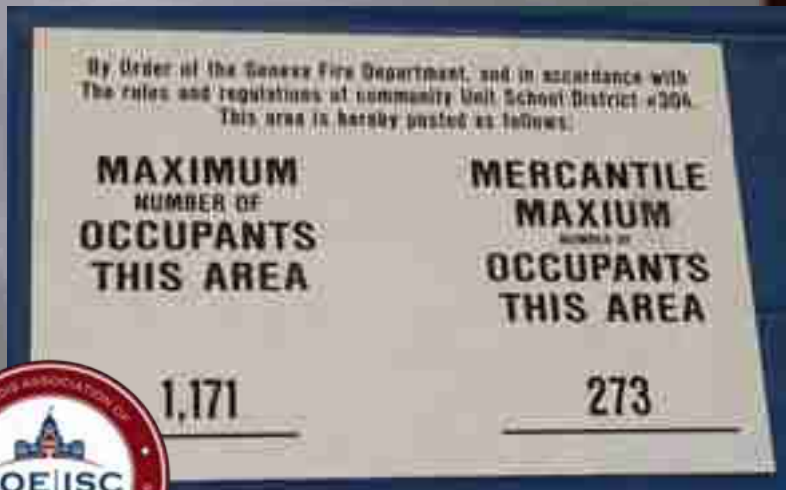
- ❑ Emergency fuel switch must be clearly labeled
- ❑ Must have OSFM certificate posted (Date Current)
- ❑ Must have a fire detector
(on buildings with fire or sprinkler systems)
- ❑ Not be used for storage
(may need to make judgment calls on older building where huge boilers have been replaced with small units)



Cafeteria

Posted Occupancy Loads

Occupant loads must be posted in a place conspicuous to the general public.



Classrooms

Doors Unlocked (261)

Door Glass Vision Panel(263)

- ▣ Classroom doors
 - No requirement to be locked
 - Student must be able to exit classroom without having to unlock door or having special knowledge
- ▣ Vision Panels
 - Must remain clear (100 square inches)
 - Must be safety glass
 - If fire rated corridor, panel must match rating



Classrooms

- ▣ Outlets in K-2 must have covers/plugs when not in use



Window shades cords in K-2 must be arranged to avoid entanglement or strangulation



Corridors

- ❑ Storage in corridors is not allowed
- ❑ Artwork should not cover more than 20% of wall space
- ❑ Hanging artwork can not obstruct the proper function of sprinkler system, obstruct the ability to see exit signs, or block illumination of corridor by emergency lighting.
- ❑ Pay attention to doors in corridors designed to control smoke and occupant travel that have been removed or blocked open.



Courtyards

Means of Egress (322)

- ❑ Direct paths of escape exiting from inside public school buildings are strictly prohibited from discharging into an enclosed
- ❑ "Not an Exit" signs are visibly displayed on the interior egress side of any doors leading directly into courtyards



Elevator and Conveying Systems

Does not obstruct egress (347)

Certificate of Inspection (348)

- ▣ Must have certificate of inspection
- ▣ Includes elevators, chair lifts, escalators or similar devices for the movement of passengers from one level to another
- ▣ Elevator rooms are for the sole use of housing elevator equipment and no other storage is allowed.
- ▣ Areas outside of elevator must remain clear



Exterior Items



Greenhouses

Fire alarm Systems (430)

Fire Detectors (431)

- ▣ If used for educational purposes, required to have fire alarm or sprinkler system depending on when greenhouse was built.
- ▣ If used for operations other than education and no students occupy the greenhouse, sprinklers and fire alarms are not required.



Gym and Multipurpose Rooms

- ▣ Posted Occupant Loads (456)
- ▣ Number of Exits (457)
- ▣ Means of Egress Arrangement (458)
- ▣ Illuminated Exit Signs (459)
- ▣ Emergency Lighting (460)
- ▣ Fire Rated Construction (461)



Home Economics and Family Service Rooms

- ▣ Exhaust fan (488)
 - The purpose of exhaust fans is to remove odors and smoke from cooking out of the room. This can be achieved with a whole room vent that vents to the outside or individual hoods over the cooking areas that vent outside.
 - Self contained hoods that vent into the room or HVAC systems that serve the whole building do not meet intent of the code.
 - If there is a question of the appropriateness of the venting, have the District architect verify.



Industrial Technology Labs

- ▣ Emergency Lighting
- ▣ Fire Rated Construction (513)
- ▣ Fire Alarm Audibility
- ▣ Fire Detectors (514)
- ▣ Welding Booth Exhaust (515)
- ▣ Eye Glasses (516)



Kitchens

Fire Extinguishers (543)

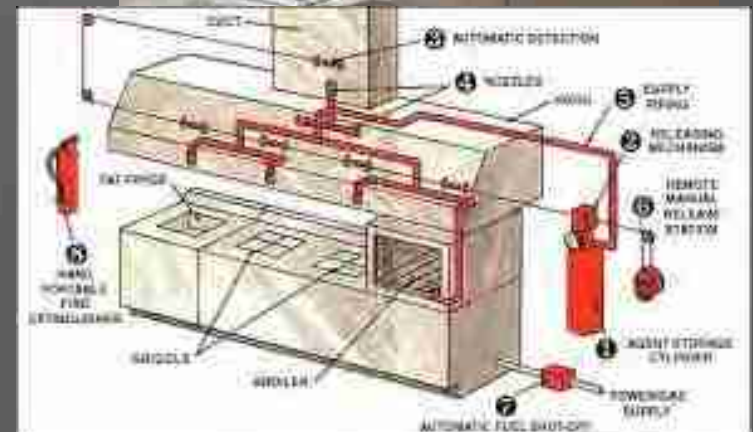
- ▣ This refers to commercial preparation of food, not used by students.
- ▣ These fire extinguishers are required to be compatible with the fire suppression agent used in the cooking hood.
- ▣ Cooking equipment involving vegetable or animal oil shall be protected using a Class K extinguisher.



Kitchens

Cooking Hood Exhaust (544)

- ❑ Extinguishing system must be inspected and tagged every 6 months
- ❑ Extinguishing heads must align over cooking surfaces
- ❑ Hood cleaning is to be completed on regular basis, no specific time periods
- ❑ Can require more frequent cleaning if build up of grease is observed



Library/Media Center

- ▣ Posted Occupant Loads (572)
- ▣ Number of Exits (573)
- ▣ Means of Egress Arrangement (574)
- ▣ Illuminated Exit Signs (575)
- ▣ Emergency Lighting (576)
- ▣ Fire-Rated Construction (577)
- ▣ Fire Detectors (578)



Lithium-Ion Technology

- ▣ - Reserved section for future
- ▣ - Common scene approaches

Take CHARGE of Battery Safety

Choose certified products

Handle lithium-ion devices with care

Always stay alert for warning signs

Recycle devices and batteries properly

Get out quickly if there's a fire

Educate others on safe practices



Mechanical Rooms

- ▣ Fire-rated construction (628)
- ▣ Fire Detectors (629)
- ▣ Storage of Combustibles (630)



Music Practice Rooms

- ❑ Music practice rooms usually need to have a audio/visual device in the room.
- ❑ Covering on walls for sound proofing must be designed for application.



Photo Developing Labs

- ▣ Decreasing as digital media takes over
- ▣ If still in use, must have vent that goes to outside
- ▣ Chemicals need to be properly labeled
- ▣ Watch for excessive quantities of chemicals
- ▣ Look for labs that have been repurposed.



Science Laboratories

Fume Hood Exhaust (711)

- ▣ A fume hood exhaust needs to be provided when the mixing of chemicals occurs. This must exhaust directly to the outside.
- ▣ These booths should not be used for storage, which is a commonly found violation.



Science Laboratories

Chemical Storage (713)

- ▣ All chemicals need to be labeled
- ▣ All chemicals need to be properly stored
- ▣ There shall be a log of all chemicals stored in the science lab
- ▣ Excessive or used chemicals need to be disposed of in approved manner.



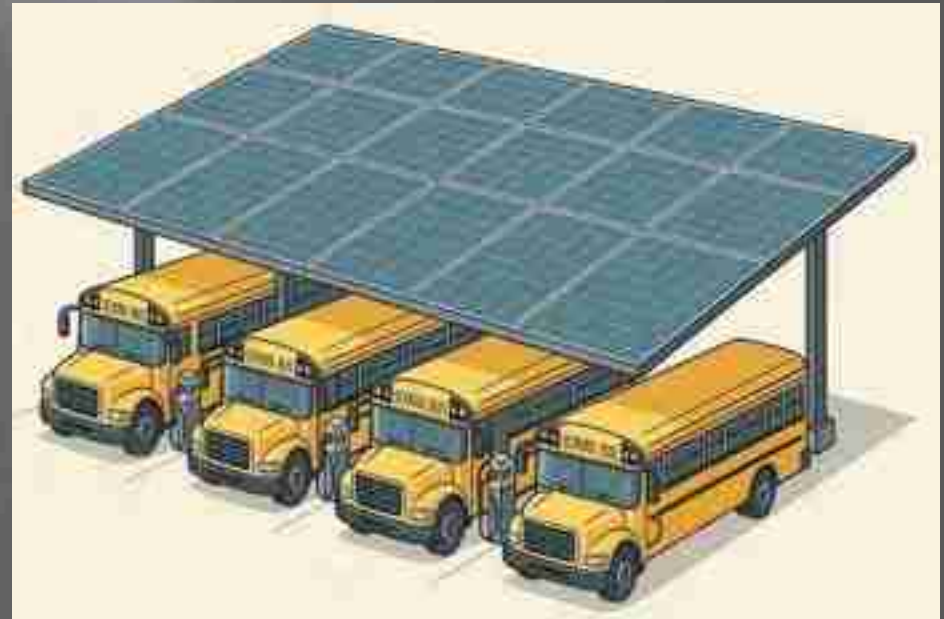
Shower and Locker Rooms

- ▣ Number of Exits (739)
 - Number of exits need to be maintained as designed
 - Seeing exits locked due to security issues
 - Exit paths can not be used for storage of sporting equipment
- ▣ Exhaust Fans/Ventilation (742)
 - Ventilation of some type is needed.
 - ▣ Type is determined by what code school falls under.
 - ▣ If it stinks when you inspect it, there may be a ventilation problem.



Solar Photovoltaic

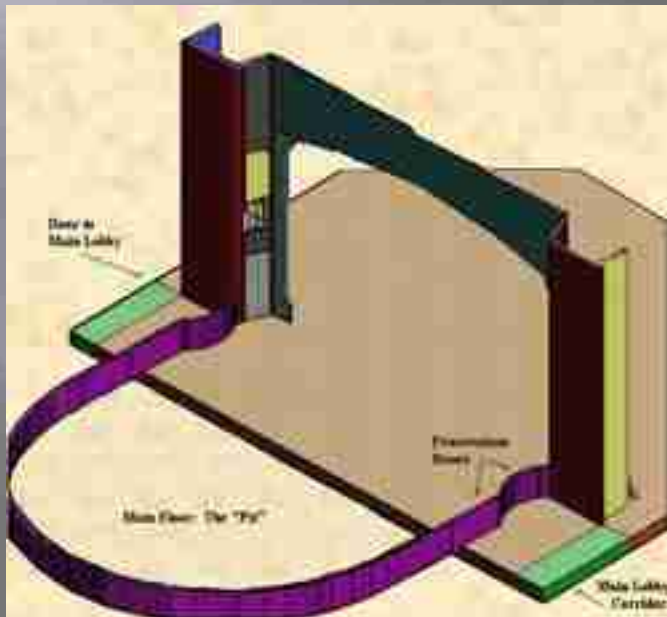
- ▣ Ground
 - Clearance from Vegetation (768)
 - Shutdown and Marking (769)
- ▣ Roof
 - Roof Access (794)
 - Rapid Shutdown (795)
 - Marking (796)



Stages (Large)+Accessory Rooms

Proscenium Wall Opening Protection (824)

- ▣ The proscenium curtain is part of the proscenium wall protection system. And for these stages, must be installed, maintained, and tested in accordance with NFPA 101 – *Life Safety Code* – 1967 edition.
- ▣ (See Appendix E for recommended practice for proscenium curtains)



Stages (Large)+Accessory Rooms

Curtains and Scenery (825)

- ▣ Stage curtains must be flameproof or flame retardant. All other decorative materials shall be of noncombustible material or flame retardant.
 - Props build of wood should be painted on back side or other retardant applied to provide protection
 - Stage should not be used for storage of construction materials for props



Stages (Large)+Accessory Rooms

Sprinkler System and Ventilators (826)

Standpipe for Stages (827)

- ▣ Stages which are equipped with fly galleries, gridirons, and rigging for movable theater-type scenery shall be protected with sprinklers, even in existing stages.
- ▣ Stages and enclosed platforms $> 500 \text{ ft}^2$ are required to have a ventilator(s) that is:
 - Manually operated from the stage floor, and
 - Automatically operated by fusible links or approved heat actuating devices
 - Ventilator opening must be $\geq 5\%$ of the stage floor area



Stages (Large)+Accessory Rooms

Standpipe for Stages (827)

- ▣ Stages that are greater than 1,000 ft² are required to have a standpipe.
 - Size requirements on standpipe differ dependent on which code school was built under.
 - Hose may be required depending on code. Check with local FD as some jurisdictions do not want hose attached as they want occupants to evacuate, not fight the fire.



Stages (Small)

Curtains and Scenery (854)

A photograph of a fire retardant certificate from Fire Retardants, Inc. The certificate is framed by a decorative border. It contains a form for application with fields for Name, Address, Phone, and other information. The text on the certificate includes "FIRE RETARDANTS, INC.", "800-844-7471", "27084, MN", and "APPLICATION CERTIFICATE FOR FIRE RETARDANT COATING".

Stages with Storage Underneath

Fire Rated Construction (880)

Non-Combustible Storage (881)

Fire Detectors (882)

Sprinklers (883)

- ▣ In general, the space below stages need to be protected with sprinklers or fire detectors if no sprinkler system is available.
- ▣ Noncombustible materials are the only things that should be stored below the stage unless it is sprinkled.



Stairwells

Properly Maintained (908)



Stairwells

No Storage (912)



Storage/Supply/Closets

- ▣ Fire Rated Construction (938)
- ▣ Fire Detector (939)
- ▣ Classroom/Janitor's Closets (940)



Swimming Pools

If it is a assembly use

- Posted Occupant Loads (965)

- Number of Exits (966)

- Means of Egress Arrangement (967)

- Illuminated Exit Signs (968)

- Emergency Lighting (969)



Swimming Pools

IDPH equipment (973)

- ▣ U.S. Coast Guard approved ring bouy
- ▣ Life hook at least 12' in length
- ▣ First Aid Kit
- ▣ Emergency Telephone and Contact List
- ▣ Lifeguard Station

Source:

TITLE 77: PUBLIC HEALTH
CHAPTER I: DEPARTMENT OF PUBLIC HEALTH
SUBCHAPTER n: RECREATIONAL FACILITIES
PART 820 SWIMMING FACILITY CODE
SECTION 820.310 SAFETY EQUIPMENT



Teacher Workrooms and Lounges

- ▣ Fire –rated construction (1000)
- ▣ Fire detector (1001)
- ▣ Exhaust fan (1002)

The above points apply if the area contains cooking and heating appliances or where objectionable odors are created.



Time-Out Rooms

Ceiling Height (1027)

- ▣ Time-out rooms ceiling height shall be the same as surrounding rooms
- ▣ Room shall be large enough to accommodate student and another person required to accompany student



Time-Out Rooms

Safe Construction (1028)

- ▣ Constructed using materials that won't harm student
- ▣ Student can't climb wall
- ▣ Viewing panels shall be fire rated and glazed
- ▣ Padding shall meet fire-resistance requirements or interior finish requirements



Time-Out Rooms

Monitoring (1030)

If a locking mechanism is used on the enclosure, the mechanism shall be constructed so that it will engage only when a key, handle, knob, or other similar device is being held in position by a person, unless the mechanism is an electrically or electronically controlled one that is automatically released when the building's fire alarm system is triggered. Upon release of the locking mechanism by the supervising adult, the door must be able to be opened readily.



Time-Out Rooms

Monitoring (1030)

- Any enclosure for isolated time out shall be designed to permit continuous visual monitoring of and communication with the student.



Toilets

- ▣ Fixtures need to operate as intended
 - Faucets have hot and cold water
 - If a fixture is gone, it needs to be replaced
- ▣ The exhaust fan needs to be functional



Woodworking Shops

Specific Requirements

- ▣ - Emergency lighting
- ▣ - Fire rated construction (1080)
- ▣ - Fire detection (1081)
- ▣ - Fire extinguisher (1082)
- ▣ - Saw dust collection system (1083)
- ▣ - Safety glasses for students (1084)
- ▣ - Housekeeping (1085)



Woodworking Shops

Housekeeping



Woodworking Shops

Sawdust Collectors

Ensure that sawdust collection systems are emptied on regular basis.

Full systems will not collect sawdust and create a dust/fire hazard.



Questions

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