

BUILDING CONSTRUCTION SAFETY ORDINANCE

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF URBANA,
ILLINOIS:

Building construction and excavation in the City of
Urbana, Illinois, shall be regulated in accordance with the safety
requirements and measures as follows:

Section I- Drinking Water

A. Drinking water shall be supplied from sources approved
by Federal, State, or local health authorities and shall be dis-
pensed by means which prevent contamination between source and
the consumer.

Section II-First Aid Kits

- A. One first aid kit will be required on each project.
- B. One first aid kit for each additional 25 employees.
- C. The first aid kit shall contain the following items:
 - 1 package band-aids
 - 1 package adhesive tape
 - 1 package cotton
 - 1 package burn ointment
 - 1 package tourniquet
 - 1 package 2" gauze bandage
 - 1 package 4" gauze bandage
 - 1 bottle iodine or merthiolate
 - 1 package ammonia inhalant

D. The telephone number of the nearest ambulance service
shall be prominently displayed on the lid of the first aid kit,

Section III-Personal Protective Apparel, Clothing and
Safety Equipment

A. Safety goggles having safety type lenses and screens
for side protection (or face masks) and helmets shall be required
for all personnel performing operations subjecting the eyes or
head to dust and or flying particles.

B. Gas and electric welding and cutting shall require
face masks, shields, or helmets providing protection from all
angles of direct exposure, and lenses of appropriate shade.

C. "Hard Hats" shall be worn by all personnel working
in areas endangered by objects falling from above.

Section IV-Harmful Substances

A. All dusts, mists, fumes, gases or other atmospheric
impurities in areas where persons are employed, and in such
quantities as are determined to be harmful to the health of such
employees, shall be brought within safe limits by elimination,
ventilation, or filtration.

B. Heating devices or melting kettles shall be placed on
a level, firm foundation and protected against traffic and accident-
al tipping.

C. Burners or heaters using liquid fuel shall be shut down
while refueling.

Section V-Temporary Lighting and Electrical Wiring

A. Illumination of two (2) foot candles shall be
maintained during working hours in all work areas and passage
ways. Additional lighting shall be provided around machines
as necessary.

B. Temporary wiring for single phase service shall consist
of three (3) wires; a hot wire, a neutral wire, and a ground wire.

C. Single phase power tools shall be provided with three
wire cords with solid rubber cord.

D. Three phase power tools shall be provided with four
(4) wire cords with solid rubber cords.

E. Receptacle to which power tools are connected shall be a polarized twist lock type.

F. Temporary services shall be connected only by authorized and qualified personnel and shall be of adequate capacity.

G. Cutoff switches on temporary wiring shall be provided with locks to prevent switching on while repairs are being made.

H. No work shall be done around or near high voltage and or overhead lines until the local power company has been notified and approved adequate safety precautions.

Section VI-Materials Storage

A. All materials shall be stacked, blocked, interlocked, and limited in height so that it is stable and otherwise secured against sliding or collapse.

Section VII-Tools and Equipment

A. Hand tools and portable power tools shall be maintained in an adequate state of repair for safe use and shall be used only for the purpose designed.

B. Heavy equipment shall be maintained in an adequate safe operating condition.

C. All operators of heavy equipment shall have an annual physical examination to determine that they have no deficiencies of eyesight or hearing or that they are not subject to epilepsy, heart, or similar ailments which would be detrimental to safe operation of equipment. The operator shall carry a letter signed by the doctor performing the examination.

Section VIII-Runways, Ramps, Platforms, Scaffolds, and Ladders.

A. Scaffolds, platforms or temporary floors shall be provided for all work except that which can be done safely from the ground, ladders or other substantial footing.

B. Stairs, ladders, or other safe means of access shall be provided to all work areas.

C. All scaffolds or working platforms shall be securely fastened to the building or structure or braced and guyed to prevent sway.

D. Lumber used in the construction of ramps or scaffolds runways, platforms, and temporary floors shall be of good quality reasonable straight grained, free of shakes, checks, splits, cross grains, unsound knots, or knots in groups.

E. Planking used on runways, platforms, ramps or scaffolds shall be supported or braced to prevent excessive spring or deflection and secured to prevent loosening, tipping, or displacement.

F. Runways, ramps, platforms, and scaffolds more than six feet in height, shall be equipped with guard rails of 36 to 42 inches in height and toeboards of not less than six inches in height.

G. During construction all openings--floor, roof, stairwells, shaftways, and pits with an inclosure guard securely anchored in the opening.

H. All component parts of swinging scaffolds, platforms, boatswain's chairs and scaffold machines shall be inspected daily by the supervisor of the work and tested as frequently as necessary to ensure that minimum safety factors are maintained. (Test by raising working surface 1 foot above ground and load with two times maximum weight to be carried.)

I. All ladders shall be of sufficient length and shall be so placed that workmen can reach the uppermost point at which work is to be performed without stretching or assuming a hazardous position.

J. Broken or damaged ladders shall be removed from service immediately and repaired or destroyed.

K. Fixed ladders shall be secured by top, bottom, and sufficient intermediate fastenings to hold them rigidly in place.

L. Provisions for landings at the top of all fixed ladders shall be made by the extension of side rails, hand holds, or other suitable means to a minimum of 42 inches above the landing.

M. All scaffolds erected on fill or backfill shall be placed on mud sills adequate to prevent tipping in the event of earth movement.

Section IX-Excavations

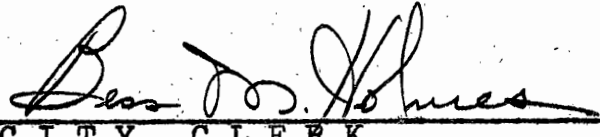
A. Excavations, if over 5 feet in depth, unless in solid rock, hard shale, hard pan, cemented sand and gravel, or other similar materials shall be either shored, sheeted and braced, or sloped to the angle of repose. All shoring and bracing shall be designed so that it is effective to the bottom of the excavation. Sheet piling, sheet piling, bracing, shoring, trench boxes, and other similar methods of protection shall be based on calculation of pressures exerted by and the condition and nature of the materials to be retained, including surcharge imparted to the sides of the trench by equipment and stored materials.

B. Excavated or other material shall not be stored nearer than 6 feet from the edge of any excavations and shall be so stored and retained as to prevent its falling or sliding back into the excavation and to prevent excessive pressure upon the sides of the excavation.

C. Temporary guardrails or barricades and red lights or torches maintained from sunset to sunup, shall be placed at all excavations which are exposed to paths, wallways, sidewalks, driveways and thoroughfares.

The provisions of this ordinance are severable and the invalidity of any provision shall not invalidate the other provisions herein. The penalty for each violation of any of the provisions of this ordinance shall be a fine not to exceed the sum of \$200.00.

Adopted by the City Council of the City of Urbana, Illinois, this 1st day of February, A.D. 1960.


CITY CLERK

Approved by the Mayor of the City of Urbana, Illinois, this 1st day of February, A.D. 1960.


MAYOR