

1 RCNY §3310-01

CHAPTER 3300

Safeguards during Construction or Demolition

§3310-01 Site safety.

(a) Site safety inspections. It is the responsibility of the site safety manager or coordinator to perform the site safety inspections detailed in Tables 1 through 9 below at the intervals prescribed in the tables.

TABLE 1
General inspections

	Requirement	Minimum schedule of inspections
(1)	When a building is being constructed or demolished at a height greater than 75 feet (22.86 m), verify that at least one elevator or personal hoist in a state of readiness is available for FDNY access.	As appropriate
(2)	When a personnel hoist requires a jump, verify that all necessary permits are obtained and testing performed.	As appropriate
(3)	When a building is being constructed or demolished at a height greater than 75 feet (22.86 m), verify that a standpipe system is available and in readiness at all times for use by the Fire Department.	Daily
	(i) Verify the standpipe is in place at each story below the construction or demolition floor. For the purposes of this section, the construction floor shall be the stripping operation floor, except for steel construction, in which case it shall be the uppermost finished and walkable concrete floor; for demolition the demolition floor shall be the floor being demolished.	Daily
	(ii) Verify that valves are in place at each story below the construction or demolition floor.	Daily
	(iii) Verify that the standpipe is capped.	Daily
	(iv) Verify that standpipes are connected to a water source, as applicable and a siamese connection.	Daily
	(v) Verify that siamese hose connections are not obstructed.	Daily
	(vi) Verify siamese hose connections are marked by a red light and a sign reading, "Standpipe Siamese Connection."	Daily
	(vii) Verify that no breach exists by visually tracing standpipe risers, cross connections and siamese connections.	Weekly
(4)	If a construction shed is located within 30 feet (9.144 m) of the building, verify that it meets the requirements of section 3303.1.3 of the building code.	Once per shed
(5)	Verify that interior and exterior guardrails and toeboards are provided and properly installed as required by the building code.	Daily
(6)	Verify that all openings and/or holes in the floor are covered at all times.	Daily
(7)	Verify that all stairwells have standard handrails.	Daily
(8)	Verify that all signs required by section 3301.9 of the building code are installed and contain the required information.	Once per sign

TABLE 2
Safety netting inspections

	Requirement	Minimum schedule of inspections
(1)	Verify that horizontal safety netting is maintained not more than two stories below the stripping operation floor on concrete structures or the uppermost finished and walkable concrete floor on steel frame structures, provided that such floor is more than six stories or 75 feet (22.86 m) in height above the adjoining ground or adjoining roof level, whichever is applicable.	Daily
(2)	Verify that horizontal safety netting projects outward horizontally from the edge of the floor a minimum of 10 feet (3.048 m).	Daily
(3)	Verify that omitted horizontal safety netting in designated crane and derrick lifting areas is indicated and approved on the crane application and the site safety plan.	Weekly
(4)	For steel frame construction, where the steel frame extends more than eight stories above the walkable concrete floor, verify that the vertical safety netting is provided on the floors at and below the topmost working metal deck where this deck is substantially completed and that the required guardrails and toeboards are in place.	Daily
(5)	Verify that vertical safety netting is provided on all floors below the floor on which horizontal netting is required.	Daily
(6)	Verify that vertical safety netting is secured and kept closed at all times, except during actual loading operations or perimeter construction operations.	Daily

TABLE 3
Maintenance of site and adjacent area inspections

	Requirement	Minimum schedule of inspections
(1)	Verify that all areas used by the public are maintained free from ice, snow, grease, debris, equipment, materials, projections, tools, or other items, substance, or conditions that may constitute a slipping, tripping or other hazard.	Throughout the day
(2)	Verify that guards, shields or barricades surround all exposed, electrically charged, moving or otherwise dangerous parts of machines and construction equipment so as to prevent contact with the public.	Daily
(3)	Verify that there are no exposed hose lines, wire, rope, or other items that may constitute a tripping hazard to the public.	Throughout the day
(4)	Verify that adjoining property is protected when the height of the building exceeds that of the adjoining property.	Daily
(5)	When the building is extended, enlarged or increased in height so that any portion of such building, except chimneys or vents, extends higher than the top of any previously constructed chimneys within 100 feet (30.48 m), verify that the chimneys conform to section 801 of the New York City mechanical code.	As appropriate

TABLE 4
Housekeeping inspections

	Requirement	Minimum Schedule of Inspections
(1)	Verify that floors and stairs are clean from excess debris.	Throughout the day
(2)	Verify that tools and equipment not in use are kept away from edges or openings.	Throughout the day
(3)	Verify that the roof of the sidewalk shed and the street are free of debris.	Daily
(4)	Verify that sufficient containers for the storage of garbage and debris are provided.	Daily
(5)	Verify that containers are covered and secured when full.	Daily

TABLE 5
Removal and storage of material inspections

	Requirement	Minimum Schedule of Inspections
(1)	Verify that combustible waste material and combustible debris have been removed from the site.	Daily
(2)	Verify that chutes used for the removal of debris are installed and maintained in accordance with section 3303.5.5 of the building code.	Weekly
(3)	Verify that material stored on floors of a building is secured when not being used.	Daily
(4)	When exterior walls are not in place, verify that stored material is kept at least 10 feet (3.048 m) back from the perimeter of the building, or at least 5 feet (1524 mm) back from the perimeter of the building if the floor area is less than 1,000 square feet (304.8 m), or at least 2 feet (609.6 mm) back from the perimeter of the building on upper working floors located not more than two stories below the stripping operation on concrete structures or the uppermost concrete floor on steel structures.	Daily
(5)	Verify that no material hangs over the edge of a building unless banded and braced for relocation by the end of the workday, except on the floor of the stripping operation and on floors designated as the lumber or steel mill.	Daily
	(i) On the floor of the stripping operation, verify that material that overhangs the floor is banded and braced, overhangs by not more than one-third of its length, and is relocated by the next workday for concrete operations.	Daily
	(ii) Where the steel mill and lumber mill are located, verify that any material that overhangs is relocated by the next workday.	Daily

TABLE 6
Protection of sidewalks inspections

	Requirement	Minimum Schedule of Inspections
(1)	Verify that valid permits for sidewalk sheds have been obtained, have not expired, and are posted in a central, visible area.	Periodic
(2)	Verify that approved drawings of the sidewalk shed are at the construction site.	Periodic
(3)	Verify that the designer and/or supplier of the sidewalk shed has certified that such shed has been erected in accordance with the approved plans and that the proper forms have been filed with the department.	Once
(4)	Verify that sidewalk sheds extend the entire perimeter of the building.	Once
(5)	Verify that when the building exceeds 100 feet (30.48 m) in height, the sidewalk sheds extend 20 feet (6.096 m) beyond the property line.	Once
(6)	Verify that required sidewalk sheds remain in place until the structure is enclosed, all exterior work completed, the sash is gazed above the second story, the exterior façade is cleaned down, all outside handling of material equipment and machinery is completed, and dismantling of a hoist, crane, or the use of a derrick in their removal above the second story has been completed.	Weekly
(7)	Verify that all openings in sidewalk sheds, fences and railings for loading purposes are kept closed, barricaded, protected, or guarded at all times.	Throughout the day
(8)	Verify that sidewalk sheds are illuminated at night by the equivalent of 100-watt bulbs spaced 15 feet (4.572 m) apart at a minimum height of 8 feet (2.44 m) above the sidewalk.	Daily
(9)	Verify that temporary footbridges and walkways for the public are at least 5 feet (1.524 m) in width.	Daily as appropriate

TABLE 7
Warning signs and lights inspections

	Requirement	Minimum Schedule of Inspections
(1)	Verify that all areas that are dangerous or hazardous to the public or areas where work is performed near vehicular traffic are appropriately marked with warning signs and lights.	Daily
(2)	Verify that steps necessary to protect the public are taken, including provisions for flagmen/flagwomen whenever intermittent operations are conducted on or across areas open to the public or when dangerous operations, such as blasting, may affect such areas.	Throughout the day, as appropriate

TABLE 8
Scaffolds, structural ramps, runways and platform inspections

	Requirement	Minimum Schedule of Inspections
(1)	Verify that where they pose a risk to the public that all structural ramps, scaffolds, runways and platforms are provided with guardrails, toeboards, screening, or nets, unless otherwise specified by the building code.	Daily

TABLE 9
Material handling and hoisting equipment inspections

	Requirement	Minimum Schedule of Inspections
(1)	Verify that all certificates of approval, operation, and onsite inspection for all cranes, derricks, and/or cableways have been obtained and are available for inspection at the construction site.	As required
(2)	Verify that all permits for highway and street closings are available for inspection at the construction site.	As required
(3)	Verify that licenses of crane operators are available at the construction site.	Daily
(4)	When a crane is to be jumped, verify that it is in accordance with the schedule submitted by the professional engineer and approved by the department.	As appropriate
(5)	Verify that a means of communication exists between the responsible parties when the operator of hoisting machinery has no vision of the lift or loading areas.	Daily when operational
(6)	Verify that a program has been established and is operational for the control of pedestrian and/or vehicular traffic around the construction site during all lifting and hoisting operations.	Daily when operational
(7)	Verify that flagmen/women are present to stop pedestrian and/or vehicular traffic during the following intermittent operations: (i) During all lifting and hoisting operations; (ii) When trucks enter and exit the site; (iii) When materials are being lifted over the sidewalk shed; (iv) When dangerous operations, e.g., blasting, occur; (v) When the sidewalk and/or street is temporarily closed.	As appropriate

(b) Site safety log. A site safety log shall be maintained at the site by the site safety manager or coordinator and made available for inspection upon the request of the commissioner.

- (1) The site safety manager or coordinator shall ensure that all daily entries in the site safety log are completed. These entries must be recorded by 7:00 a.m. on the day following the activities.
- (2) The site safety manager or coordinator, or an alternate, shall sign the log at the beginning of each day, and must be present at the job at all times during ongoing construction or demolition. If at any point during the day the site safety manager or coordinator, or alternate, shall be relieved of his or her responsibilities at the site, or leave the site for any reason, he or she shall indicate this in the log and an alternate shall sign in.
- (3) Log contents. At a minimum, the site safety log shall contain the following:

- (i) Date and location of inspections performed in accordance with subdivision (a) of this rule;
- (ii) Date and names of individuals met with to satisfy the requirements of section 3310.8.1 of the building code;
- (iii) Any unsafe acts and/or conditions, and dates and locations of said unsafe acts and/or conditions;
- (iv) Companies and representatives notified of unsafe acts and/or conditions;
- (v) Dates of notification of unsafe acts and/or conditions;
- (vi) Dates of correction of unsafe acts and/or conditions;
- (vii) Any accident involving the public or damage to public or private property;
- (viii) Any violations, stop work orders or summonses issued by the department, including date issued and date lifted or dismissed;
- (ix) Dates and location where horizontal and vertical netting have been installed, replaced and/or repaired;
- (x) Date horizontal safety netting is removed; and
- (xi) Date when building reaches a height of 75 feet (22 860 mm).

(c) Permit log. Any equipment brought onto the job that requires permits, as well as a description of the equipment, where it is to be located, permit number, issue and expiration date of the permit, and certificate of inspection, if required, shall be entered on a separate permit log that shall be maintained at the site by the site safety manager or coordinator and made available for inspection upon the request of the commissioner.

(d) Notification. The site safety manager or coordinator shall immediately and directly notify the department in accordance with section 3310.8.2 of the building code if he or she discovers in the routine performance of the job any of the conditions listed in section 3310.8.2 or below:

- (i) Required standpipe is not in place at each story below the construction or demolition floor;
- (ii) Required standpipe valve(s) are not in place at each story below the construction or demolition floor;
- (iii) Required standpipe is not capped;
- (iv) Required standpipe is not connected to a water source or siamese connection;
- (v) Required standpipe siamese hose connection(s) is obstructed;
- (vi) Required standpipe siamese hose connections are not marked by a red light and a sign reading, "Standpipe Siamese Connection";
- (vii) A breach exists in the required standpipe risers, cross connections, or siamese connections;
- (viii) The standpipe alarm activates; or
- (ix) When a building over 75 feet (22.86 m) is being constructed or demolished and at least one elevator or hoist in a state of readiness is not available for FDNY access.