

Draft Regulations

Draft Regulation

An Act respecting occupational health and safety
(chapter S-2.1)

Safety Code for the construction industry — Amendment

Notice is hereby given, in accordance with sections 10 and 11 of the Regulations Act (chapter R-18.1), that the Regulation to amend the Safety Code for the construction industry, appearing below, may be made by the Commission des normes, de l'équité, de la santé et de la sécurité du travail and submitted to the Government for approval, in accordance with section 224 of the Act respecting occupational health and safety (chapter S-2.1), on the expiry of 45 days following this publication.

The draft Regulation is intended to ensure the health, safety and physical integrity of workers on construction sites. It makes amendments to the general course on occupational health and safety, lighting and mooring scaffolding in construction sites.

To date, study of the matter reveals no impact on enterprises, in particular small and medium-sized businesses.

Further information may be obtained by contacting Pierre Bouchard, Service Head for Construction, Commission de la santé et de la sécurité du travail, 524, rue Bourdages, Québec (Québec) G1K 7E2; telephone: 418 266-4699, extension 2014; email: pierre.bouchard@cnesst.gouv.qc.ca.

Any person wishing to comment on the matter is requested to submit written comments within the 45-day period to Claude Sicard, Vice-President for partnership and expert counselling, Commission des normes, de l'équité, de la santé et de la sécurité du travail, 1199, rue de Bleury, 14^e étage, Montréal (Québec) H3B 3J1.

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Executive Officer of the Commission des normes,
de l'équité, de la santé et de la sécurité du travail*

Regulation to amend the Safety Code for the construction industry

An Act respecting occupational health and safety
(chapter S-2.1, s. 223, 1st par., subpars. 7, 19, 42,
and 3rd par.)

1. The Safety Code for the construction industry (chapter S-2.1, r. 4) is amended in paragraph *i* of section 2.4.2

(1) by replacing “have taken a safety course and hold a certificate issued by the Commission or by an organization it recognizes” in the first paragraph by “who, on (insert the date of coming into force of this Regulation), are not holders of a certificate issued by the Commission or by a body recognized by the Commission and have successfully completed the course on health and general safety on construction sites”;

(2) by replacing “from taking such safety course” in the second paragraph by “from successfully completing the course on health and general safety on construction sites”.

2. Section 3.2.4 is amended by replacing paragraph *f* by the following:

“(f) be illuminated by natural or artificial lighting so as to provide the following lighting levels:

- i. 50 lux on traffic lanes and passages used by workers;
- ii. 250 lux for rough work, such as casing, concrete pouring or carpentry;
- iii. 550 lux for finishing work using a machine or tool, such as a circular saw, a nailing gun or a welding machine;
- iv. 800 lux for precision mechanical work.”

3. Section 3.9.7 is amended by adding the following paragraph at the end:

“(c) be attached to the main structure by one end if they have a single row of uprights. They shall be embedded at least 100 mm in the masonry.”

4. Section 3.9.10 is replaced by the following:

“3.9.10. Mooring:

(1) Scaffoldings whose height is greater than 3 times the shortest side dimension of their base shall be firmly anchored to a building or structure by means of anchors, or to the ground by means of guys.

(2) The building or structure to which the scaffolding is anchored shall resist to the load induced by scaffolding and anchors.

The anchors shall

(a) resist to traction and compression side loads applied to the scaffolding. The loads must be equal to 225 N/m of platform length without being less than 1,0000 N;

(b) be installed

i. in accordance with the recommendations of the scaffolding’s manufacturer; or

ii. on the vertical, at intervals not exceeding 3 times the smallest side dimension of the scaffolding and, on the horizontal, at least every 2 uprights;

(c) be uniformly distributed in a staggered arrangement if possible.

In addition to those requirements, when a safety tarpaulin or net is installed on a scaffolding, the number and type of anchors shall comply with an engineer’s plan or with the manufacturer’s recommendations or, in the case of scaffoldings less than 18 metres in height, shall comply with those provided for in tables 1 and 2 of Schedule 0.2, depending on whether it is a tarpaulin or net and on the region where the scaffolding is installed.

(3) Scaffolding anchored to the ground by means of guys shall be installed in accordance with the recommendations of the scaffolding’s manufacturer or with the plans for the installation of the scaffolding.

(4) This section does not apply to a suspended scaffolding, a boatswain’s chair, a ladder jack scaffolding, a suspended scaffolding used by bricklayers or a mast-climbing work platform referred to in sections 3.9.22 to 3.9.25.”

5. This Code is amended by inserting the following after Schedule 0.1:

“SCHEDULE 0.2

(s. 3.9.10)

**ANCHORS OF A SCAFFOLDING LESS THAN 18 METRES WHEN
A TARPAULIN OR NET IS USED**Table 1 - Types of anchors necessary for holding a scaffolding covered with a tarpaulin¹ according to its dimensions and the region

Region	Surface 3m x 3m	Surface 3m x 6m
Gaspésie / Côte-Nord / Nunavik	Tube ²	n.a.
Bas Saint-Laurent	Pin #9 ³	n.a.
Chaudière / Estrie / Laurentides / Laval / Mauricie / Montérégie / Montréal / Outaouais / Québec / St-Jean / Valleyfield / Yamaska	Pin #9 ³	Tube ²
Abitibi / Lanaudière / Saguenay	Pin #9 ³	Tube ²

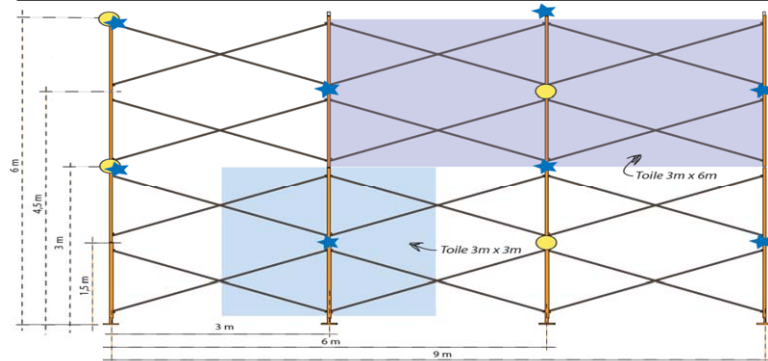


Figure 1 – Position of anchorage points with a tarpaulin of:



-  - 3m x 3m
-  - 3m x 6m

Table 2 - Types of anchors necessary for holding a scaffolding covered with a net according to its dimensions and the region

Region	Surface 3 m x 6 m	Surface 3 m x 9 m
Gaspésie / Côte-Nord / Nunavik	Tube ²	n.a.
Bas Saint-Laurent	Pin #9 ³	Tube ²
Chaudière / Estrie / Laurentides / Laval / Mauricie / Montérégie / Montréal / Outaouais / Québec / St-Jean / Valleyfield / Yamaska	Pin #9 ³	Tube ²
Abitibi / Lanaudière / Saguenay	Pin #9 ³	Tube ²

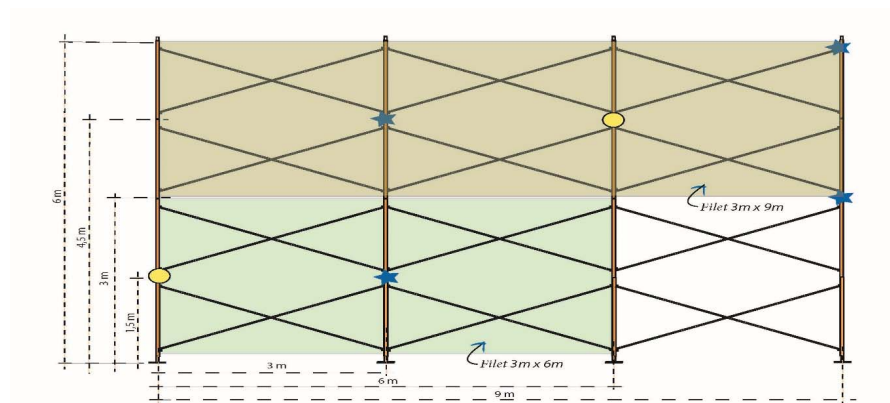




Figure 2 – Position of anchorage points with a net of:

- 3 m X 6 M 
- 3 m X 9 m 

NOTES:

- (1) The tarpaulin or net shall be able to resist the loads and wind gusts to which it is exposed.
- (2) Tube: metal tube with a welded bracket, and a hole at one of its ends. The tube is linked to the front by a concrete mechanical anchor or the equivalent, and to the scaffolding by a metal fastener. The minimum capacity of the mechanical anchor shall be 9.0 kN with a safety factor of 2.
- (3) Pin #9: metal wire caliber #9 with a double loop, having a diameter of 3.8 mm, used as tie rod, fastened to the scaffolding at one end and at the other end to a mechanical anchor (expansion shield, eye bolt, etc.), in accordance with CSA standards S269.2-M87 and Z797-09. The minimum capacity of the anchor shall be 5.4 kN with a safety factor of 2.

6. This Regulation comes into force on the fifteenth day following the date of its publication in the *Gazette officielle du Québec*.