



METALTECH-OMEGA INC.
1735 St-Elzear Blvd. West, Laval
(Quebec) Canada H7L 3N6

January 19th, 2023

CERTIFICATION OF COMPLIANCE

To whom it may concern,

We hereby certify that SmartStairs™ staircases by Metaltech® meet or exceed OSHA^{1,2} and COSHR³ requirements for temporary stairs.

Our 16-steps [AL-SSEH16] and 21-steps [AL-SSEH21] telescopic aluminum stairs were analysed and certified by an external firm with the help of calculation by finished elements. Considering that the other models offered are simply shorter variations (without change to tubing sizes or location), they also conform with the requirements stipulated above.

Our most common SmartStairs™ staircases configurations were also certified:

- 2-story high staircase with 180° turn double landing [AL-SSTD1616];
- 2-story high staircase with 90° turn single landing [AL-SSTS1616];
- 2-story high continuous staircase with single landing [AL-SSTS1616L];
- 1-story high crossover staircase with single landing [AL-SSCO1616];
- 1-story high freestanding crossover staircase with single landing [AL-SSCO16A];
- 1-story high container staircase (Low-Cube or High-Cube) [AL-SSTC] &
- 2-story high container staircase (Low-Cube or High-Cube) [AL-SST2C].

The SmartStairs™ system also respects provincial OHS acts and regulations for temporary stairs on construction sites, such as Quebec⁴ and Ontario Regulations⁵.

These staircases have been manufactured in accordance with the requirements of NBCC⁶ live load requirement of 100 lb/ft², with additional wind, snow, and seismic loads. Steps were certified to support a static load of 500 lb (2224N) and further tested at 1100lb (4893N) without failure. Guardrails can support without failure a load over 225 lb (1000N).

Hoping everything is to your satisfaction.

Prepared by:

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Approved by:

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Director of Engineering

¹ OSHA (Occupational Safety and Health Administration). 1926.1052 – Stairways.

<https://www.osha.gov/laws-regs/regulations/standardnumber/1926/1926.1052>

² OSHA (Occupational Safety and Health Administration). 1910.25 – Stairways.

<https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.25>

³ Government of Canada. COHSR - Temporary Structures and Excavations.

<https://laws-lois.justice.gc.ca/eng/regulations/sOr-86-304/page-3.html#h-893400>

⁴ Government of Quebec. S-2.1, r.4 - Safety Code for the construction industry

<https://www.legisquebec.gouv.qc.ca/en/document/cr/S-2.1,%20r.%204>

⁵ Government of Ontario. Regulations 213/91: Construction Projects

<https://www.ontario.ca/laws/regulation/910213>

⁶ National Building Code of Canada