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Ontario

**Building Materials Evaluation
Commission**

**Commission d'évaluation des
matériaux de construction**

BMEC AUTHORIZATION: 06-05-325 Camino Modular Floor System: SC Series

Date of Authorization: June 29, 2006
Date of Amendment: January 26, 2017 *contact information update*
Date of Amendment: November 30, 2017 *policy update*
Date of Expiry¹: November 30, 2022

1. Applicant

Camino Modular Systems Inc.
3175 Airway Drive
Mississauga, Ontario
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Web: www.caminomodular.com

2. Manufacturing Facility

3175 Airway Drive
Mississauga, Ontario
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3. Authorization

The Camino Modular Floor System SC Series (the "Camino SC System") used in office type occupancies consist of a 600 mm x 600 mm panel (610 mm x 610 mm), which are made up of a nominal 25 mm thick high density composite core, encased with galvanized steel sheets that are structurally bonded with a thermosetting adhesive to both faces.

The panels are supported by adjustable steel pedestals. Each panel is bolted to the pedestals by means of a screw type fastener, or alternatively, for a computer room application, the panels are supported on four sides by a bolted stringer system.

A 0.607 mm thick gauge galvanized steel channel, nominally 15 mm x 12.7 mm x 600 mm, is attached in the field to any edge that is cut, ensuring that the Camino SC System core is not exposed

¹ This Authorization expires on the date shown. It is the responsibility of Authorization holders to make a complete application considering the time for review and complexity of the new application.

Additional descriptive information is provided in documents supplied by the Applicant listed in Appendix A.

Reports and assessment provided by the Applicant demonstrate that if the Camino SC System is manufactured, designed, constructed, installed and maintained in accordance with the manufacturer's instructions and limitations, and the specific terms and conditions stated in this authorization the use of the Camino SC System shall be deemed to not be a contravention of Sentence 3.1.5.1.(1) of Division B of the Building Code.

All other requirements pertaining to the manufacturing, design, construction, installation and maintenance are subject to the requirements of the Building Code, and subject to the following terms and conditions contained in 4 and 5 below:

Note: If a conflict arises between the provisions of this authorization, or the manufacturer's installation instruction, then the most restrictive provision shall apply.

4. Specific Terms and Conditions

1. This authorization is valid only for the Camino Modular Systems, Inc.
2. This authorization is valid only for Camino SC System model numbers SC 1000, SC 1250, SC 1300, SC 1500, and SC 2000.
3. The space under the Camino SC System shall not be used for storage.
4. The Camino SC System shall not be designed to carry a uniform live load greater than 16 kPa.
5. The subfloor, in which the Camino SC System will be installed, shall be sufficiently constructed or deemed sufficient to carry the load of the Camino SC System.
6. The Camino SC System shall be installed as per "Camino Modular Systems Quality Assurance, SC Series with High Density Composite Core, Section 10270".
7. The Camino SC System shall be installed on a noncombustible, floor slab or subfloor.
8. Fibre optic cables and electrical wires located in the space under the Camino SC System shall not be considered as being protected against exposure to fire.
9. Where the Camino SC System is cut during field installations the exposed edge shall be:
 - a) substantially covered by an electrical device box protruding through the floor panel,
 - b) positioned to abut interior construction surfaces and separated from the underfloor space by a continuous steel support channel, and
 - c) covered by an overlapping channel, having a nominal 25 gauge cold rolled G40 steel with a galvanized coating, which substantially covers the cut edge of the panel.

10. If the space below the Camino SC Floor System is used as a plenum, then:
- a) except for optical fibre cables, electrical wires, and cables, then all materials within that space shall have a flame-spread rating of not more than 25 and a smoke developed classification of not more than 50,
 - b) optical fibre cables, electrical wires, and cables shall exhibit a flame spread not more than 1.5 m, a smoke density not more than 0.5 at peak optical density and a smoke density not more than 0.15 at average optical density when tested in conformance with the Flame and Smoke Test in the Appendix to CAN/CSA C22.2 No. 0.3, "Test Methods for Electrical Wires and Cables" (i.e., FT6 Rating), and
 - c) in addition to being noncombustible, all metal supports shall have a melting point not below 760°C.

5. General Conditions

1. The use of the Camino SC System as described in Section 3. and the Specific Terms and Conditions set out in Section 4 must comply with:
 - (a) the *Building Code Act, 1992*, (the "Act") as amended or re-enacted,
 - (b) except as specifically authorized herein, the Building Code as amended or remade, and
 - (c) all other applicable legislation.
2. A copy of this Authorization shall accompany each application for a building permit and shall be maintained on the site of the construction with the building permit.
3. The Applicant specified in Section 1. shall promptly notify the BMEC of:
 - (a) the failure of the Applicant to comply with any of the Specific Terms and Conditions set out in Section 4,
 - (b) the failure of the material, system or building design that is the subject matter of this Authorization to
 - (i) comply with any of the Specific Terms and Conditions set out in Section 4, or
 - (ii) provide a satisfactory level of performance in situ, or
 - (c) the occurrence of any of the events described in General Conditions 5.4.(a), (b), (e) or (f).
4. The BMEC may amend or revoke this Authorization at any time on its own initiative, or at the request of the Applicant specified in Section 1. Without restricting the foregoing, the BMEC may amend or revoke this Authorization where it determines that:
 - (a) any change has been made to:
 - (i) the name of the Applicant specified in Section 1,
 - (ii) the address or other contact name information of the Applicant specified in Section 1,
 - (iii) the ownership of the Applicant specified in Section 1,

- (iv) the manufacturing facilities specified in Section 2,
- (v) the material, system, or building design that is the subject matter of this Authorization, or
- (vi) a test method relevant to this Authorization,
- (b) the Applicant has failed to comply with any of the terms and conditions set out in this Authorization,
- (c) in the opinion of the BMEC, the use of the material, system or building design authorized herein provides an unsatisfactory level of performance in situ,
- (d) in the opinion of the BMEC, amendment or revocation of the Authorization is appropriate on the basis of potential danger to public health and safety,
- (e) the *Act* or Building Code has been amended, re-enacted or remade in a manner relevant to this Authorization,
- (f) this Authorization was issued on mistaken, false or incorrect information, or
- (g) a revision of an editorial nature is appropriate.

Dated at Toronto this 30th day of November 2017

BUILDING MATERIALS EVALUATION COMMISSION

Leo Grellette
Chair, Building Materials Evaluation Commission

ENCLOSURES: APPENDIX A - SUPPORTING INFORMATION

Appendix A – Supporting Information

The following is a list of the documents that were submitted and reviewed, but were not limited to:

1. Bodycoat Materials Testing Canada Inc. “CAN/ULC-S102.2 Surface Burning Characteristics of Access Flooring System”, report number 05-02-988, December 22, 2005.
2. Camino Modular Systems Quality Assurance, Section 10270.
3. Underwriters’ Laboratories of Canada, File R16957, “Report on the Floor Panels under the Listing Program”, dated September 7, 2005.
4. BMEC Authorization File #90-17-145.
5. Camino Modular Systems, Manufacturer’s Specifications:
 - (a) Bolted Stringer System for Steel Clad Access Floor Panel,
 - (b) Heavy Duty Bolted Stringer Systems for Steel Clad Access Floor Panel
 - (c) Low Profile Pedestal
 - (d) Cornerlock System for Steel Clad Access Floor Panel
 - (e) Snap on Stringer System for Steel Clad Access Floor Panel
6. Camino Modular Systems, Manufacturer’s Drawings:
 - (a) Bridging Detail
 - (b) Plenum Divider
 - (c) Wall Mounted Handrail
 - (d) Floor Mounted Handrail
 - (e) Standard Ramp
7. Manufacturer’s Literature “SC Series”
8. Report prepared by Leber Rubes “Access Floor Panel: Camino Modular Systems, Inc. SC1000 / 1250 / 1300 / 1500 / 2000”, dated March 14, 2006.
9. Test Results, Bodycote Materials Testing Canada, Inc. “CAN/ULC–S102.2 Surface Burning Characteristic of “Assess Flooring System”, dated December 22, 2005.
10. Letter Report prepared by Leber Rubes, file number 2005-643, dated April 25, 2006.