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Ontario
Building Materials Evaluation Commission
Commission d'évaluation des matériaux de construction

BMEC AUTHORIZATION: 01-05-257
Horizontal Cavity Shaftwall System

Date of Authorization: **May 24, 2001**
Date of Expiry[1]: **April 28, 2021**
Date of Amendment: **January 31, 2013** – contact information update
Date of Amendment: **April 28, 2016** - policy update

1. Applicant

Georgia Pacific Canada Inc.
350 Argyle Street North
Caledonia, Ontario, N3W 1M2

Tel: 905 813 8555
Fax: 905 813 7601

2. Manufacturing Facility

Georgia Pacific Canada Inc.
350 Argyle Street North
Caledonia, Ontario, N3W 1M2

122 Old Dover Road
Newington, New Hampshire
03801 USA

3. Authorization

The Georgia Pacific Canada Inc. Horizontal Cavity Shaft Wall System is a system comprised of gypsum board with steel framing components that form an assembly having a 2 hour fire-resistance rating for a horizontal metal duct enclosure or ceiling membrane.

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.

Reports and assessments provided by the Applicant demonstrate that if the Horizontal Cavity Shaftwall System is manufactured, designed, constructed, and installed in accordance with the manufacturer's instructions and limitations, and the specific terms and conditions stated in this authorization, the use of Georgia Pacific Canada Inc. Horizontal Cavity Shaftwall System shall be deemed to not be a contravention of Sentence 3.1.7.1.(1) of Division B of the Building Code.

All other requirements pertaining to the manufacture, design, construction and installation are subject to the requirements of the Building Code, and subject to the following terms and conditions contained below.

4. Specific Terms and Conditions

1. This Authorization is valid only for the use of Georgia Pacific Canada Inc.'s Horizontal Cavity Shaft Wall System;

2. The Horizontal Cavity Shaftwall System consists of 25.4 mm thick FireGuard™ Shaft Liner, which includes ToughRock® Shaftliner panels and 12.7 mm ToughRock® Fireguard C® panels;

3. The design shall be carried out by a Professional Engineer, as defined in the *Professional Engineers Act, 1990, (Ontario),* and who is experienced in the specific method applied;

4. The Horizontal Cavity Shaftwall System shall be constructed as a non-load bearing assembly;

5. The maximum span for the Horizontal Cavity Shaftwall System shall not exceed 2.18 m;

6. The Horizontal Cavity Shaftwall System may be used in assemblies that have a fire-resistance rating of up to 2 hours; and

7. The Horizontal Cavity Shaftwall System shall be supported by an assembly having the same fire-resistance rating.

5. General Conditions

1. The use of the Georgia Pacific Canada Inc.'s Horizontal Cavity Shaftwall 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 2.,
        (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.

On behalf of the Building Materials Evaluation Commission

Edward Link, P. Eng
Chair, Building Materials Evaluation Report

Attached – “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. Test Report WH1-495-PSH-0196 & 0197
2. Installation Instructions
3. ICBO ES ER No. 2541
4. ULC Label Program
5. ITS/WHI Label Program
6. Report, RBS Consulting Engineering group Inc., “Sustaining of BMEC Authorization 02-05-257: Horizontal Cavity Shaft wall System”, dated September 10, 2015