

Date of Authorization

September 30, 2004

BMEC Authorization

# 04-08-300

BMEC Application

A2004-09

**AUTHORIZATION REPORT - Bradyglo™ High Performance Photoluminescent Exit Signs****1. Applicant**

Brady Canada Inc.  
56 Leek Crescent  
Richmond Hill, Ontario  
L4B 1H1

Tel: (800) 263-6179  
Fax: (800) 387-4935  
Web: [www.bradyid.com](http://www.bradyid.com)

**2. Manufacturing Facilities**

Jessup Manufacturing Company  
2815 West Route 120  
McHenry, Illinois 60050  
United States

**3. Description**

Brady B-355 BRADYGLO™ High Performance Photoluminescent Exit Signs (“Brady Signs”) are directional exit signs, and they are available framed or frameless. The Brady Signs have a photoluminescent panel consisting of a rigid PVC sheet blended with strontium oxide photoluminescent pigment that emits light continuous through the absorption of at least 54 lux (5 foot-candles) of ambient illumination.

The framed Brady Sign consist of a photoluminescent placard inside a frame, which is provided with knockouts spelling the words “EXIT” or “SORTIE and optional directional indicator knockouts. The framed Brady Sign is available in single and double sided, with a mounting bracket or wall mounted. The frame for the Brady Sign is powder coated steel.

The frameless placard consists of a photoluminescent background and opaque letters spelling the word “EXIT” or “SORTIE”. Opaque directional indicators are optional and are included at one or both sides of the “EXIT” and “SORTIE” legend. The substrate material is semi-rigid PVC, it is provided with holes for mechanical mounting to the surface.

**4. Authorization Requested**

The Applicant sought a Building Materials Evaluation Commission (“BMEC”) authorization for the Brady Signs as a means of egress identification under Subsections 3.4.5. “Exit Signs” or 9.9.10. “Signage” with conditions and limitations, equivalent to the requirements of Building Code, as amended and remade from time to time.

## 5. Assessment

Reports and assessments provided by the applicant show that if the Brady Signs are designed, performance tested and installed in accordance with the manufacturer's instructions and limitations, all other requirements of the Building Code, and the specific terms and conditions stated in this authorization, that the level of performance required by the Building Code will be provided.

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

1. Report from Sarah Maman P. Eng "Fire, Life Safety and Security Institute", dated June 24, 2004.
2. Brady B-355 BRADYGLO™ High Performance Photoluminescent Exit Sign Installation Instructions.
3. Brady B-355 BRADYGLO™ High Performance Photoluminescent , Technical Data Sheets TDS No. B-355.
4. ICC ES Legacy Report (ER-6153) Brady B-355 BRADYGLO™ High Performance Photoluminescent
5. Brady B-355 BRADYGLO™ High Performance Photoluminescent, UL and ULC certificates.
6. Jessup Manufacturing Company ISO 9002 Certificate.
7. Brady B-355 BRADYGLO™ High Performance Photoluminescent, Manufacture Information.
8. Brady B-355 BRADYGLO™ High Performance Photoluminescent, Product Information.
9. CAN/CSA-C860-96 "Performance of Internally Lighted Exit Signs" Performance of Electrical Products.
10. ULC/ORD-C924-02 "Photoluminescent And Self-Luminous Exit Signs".
11. UL 924 "Emergency Lighting and Power Equipment".
12. ULC letter September 7, 2004, re: Brady Photoluminescent Exit Sign.

## 6. Authorization

The Brady Signs are authorized for use as a means of egress identification under Subsections 3.4.5. "Exit Signs" or 9.9.10. "Signage", all other requirements pertaining to the installation are subject to the requirements of the Building Code, and subject to the following terms and conditions:

### A. Specific Terms & Conditions

1. This Authorization is valid only for the Brady Signs model numbers described in Table 6.A.1. "Exit Signs",

Table 6.A.1.  
Exit Signs

Model Number	Frame Colour	Single / Double Sided
90885	Red	Single Sided Wallmount
90839	Red	Single Sided with Bracket
90840	Red	Double Sided with Bracket
87807	Frameless Red Letters	Single Sided Wallmount
98452	Frameless Red Reflective Letter	Single Sided Wallmount
Column 1	Column 2	Column 3

2. The SORTIE Sign, model number 98451, shall only be installed adjacent to an approved Brady Sign, as it is described in Table 6.A.1. "Exit Signs" of this Authorization.
3. Except as permitted by Specific Term and Condition 6.A.4., the Brady Signs are not required to be provided with an emergency power supply as described in Sentence 3.2.7.4.(1) of the Building Code.
4. Approved models of the Brady Signs may be installed in a building under the scope of Subsection 3.2.6. "Additional Requirements for High Buildings" of the Building Code if they are illuminated directly by a lighting fixture providing 54 lux (5 ft candles) of unfiltered fluorescent illumination and having a power source conforming to Subclause 3.2.7.4.(1)(b)(i) of the Building Code.
5. Except as provided by Specific Term and Condition 6.A.4., approved models of the Brady Signs may be substituted for exits signs as described in Subsections 3.4.5. "Exit Signs" or 9.9.10. "Signage" of the Building Code.

6. The Brady Signs require a minimum of 54 lux (5 ft candles) of constant and continuous external unfiltered fluorescent, lighting to illuminate the face(s) of the signs at all times.
7. The Brady Signs shall be located so that the listed legible viewing distance of model numbers 90885, 90839, 90840, 87807, 98452, and 98451 is not greater than 15.2 m (50 ft).
8. The Brady Signs shall have the following markings:
  - a. Brady Canada Inc.
  - b. a UL/ULC listing label,
  - c. Model number,
  - d. Legible viewing distance, and
  - e. "CAUTION: a minimum 5 foot-candle external un-filtered fluorescent illumination must be present on the sign face at all times of building's occupancy."
9. The Brady Signs shall be installed as per the manufacturer's instructions.
10. The Brady Signs are authorized for indoor applications only.
11. The Brady Signs shall not be exposed to direct sunlight.
12. The Brady Signs shall not be exposed to temperatures outside the range of 10<sup>0</sup> to 40<sup>0</sup> C (50<sup>0</sup> to 104<sup>0</sup> F).
13. The Brady Signs shall be cleaned with a damp cloth or as otherwise recommended by the manufacturer.

**B. General Conditions**

1. The use of the Brady Signs as described in Specific Terms and Conditions 1. must comply with the *Building Code Act, 1992* as amended or re-enacted from time to time (BCA) and except as specifically authorized herein, with the Building Code.
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 named in Part 1 hereof shall promptly notify the BMEC of:

- (a) the failure of the Applicant, or of the material, system or building design that is the subject matter of this Authorization, to comply with any of the terms and conditions set out in A. above; or
  - (b) the occurrence of any of the events described in Conditions B. 4. (a) and (b) (ii) below.
4. The BMEC may amend or revoke this Authorization where it determines that:
- (a) any change has been made to:
    - i. the material, system or building design that is the subject matter of this Authorization;
    - ii. the address of the applicant specified in Part 1 of this Authorization; or,
    - iii. the ownership of the applicant specified in Part 1 of this Authorization.
  - (b) the use of the material, system or building design authorized herein;
    - i. does not comply with the BCA or any relevant legislation as they may be amended or re-enacted from time to time; or
    - ii. provides an unsatisfactory level of performance, in situ.
  - (c) the Applicant, or the material, system or building design that is the subject matter of this Authorization, has failed to comply with any of the terms and conditions set out in this Authorization; or
  - (d) any Building Code provision relevant to this authorization has been amended or remade.
5. Where the BMEC receives additional information concerning the material, system or building design authorized herein, the BMEC may review this Authorization and the BMEC may after the review amend or revoke this Authorization as in the opinion of the BMEC may be necessary.

Dated at Toronto this 30th day of September 2004.

**BUILDING MATERIALS EVALUATION COMMISSION**

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Rashmi Nathwani, Chair