



NYC Department of Buildings  
280 Broadway, New York, NY 10007  
Patricia Lancaster, FAIA, Commissioner  
(212) 566-5000, TTY: (212) 566-4769

## Report of Materials and Equipment Acceptance Division

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

### MEA 354-07-M

**Manufacturer:** Super Stud Building Products  
8-01 26<sup>th</sup> Avenue  
Astoria, N.Y. 11102

**Trade Name(s):** DRAGONBOARD USA

**Product:** Fire-rated, non-load-bearing wall system, 3-hour,  
using DRAGONBOARD  
MEA Index #310 – Wall Assembly

**Pertinent Code Section(s):** 27-323

**Prescribed Test(s):** R 5-2 (ASTM E119)

**Laboratory:** Underwriters Laboratories, Inc.

**Test Report(s):** UL File R22189, Project 05CA07984 dated  
March 24, 2006 and UL Design.

**Description:** A non-load-bearing restrained wall system designed to resist exposure to fire conditions as specified by ASTM E119-00. As described in the attached, the wall system withstood the fire exposure and water hose tests as required for a 3-hour endurance rating under the conditions of ASTM E119-00. The wall system shall be installed in accordance with Underwriters Laboratories, Inc.'s requirements listed in UL Design No. U055 in achieving the 3-hour required fire-resistance ratings.



**3-Hr Rating** — A 3 inch wide strip of Type Dragonboard magnesium oxide panel is secured to the outer surface of steel studs (Item 2) prior to panel placement. Panels installed vertically with vertical joints centered over studs and staggered from vertical joints on opposite side of studs. Horizontal joints staggered from horizontal joints on opposite side of studs and backed by a minimum 18 MSG, nominal 4 inch wide steel nailer plate (not shown) centered behind the horizontal joint. Plate secured to steel studs prior to panel placement. Panel joints filled with a 3/16 inch bead of fill material (Item 6) and butted tight. Panels attached to studs and plates with 2 inch long bugle head screws spaced 6 inches OC maximum at the perimeter and in the field.

The minimum stud depth and thickness of insulation for the 3-hour rating is as follows:

<b>Rating Hr.</b>	<b>Minimum Stud Depth (Item 2)</b>	<b>Minimum Thickness of Insulation (Item 3)</b>	<b>Minimum Density of Insulation (Item 3)</b>
<b>3</b>	<b>4 inches</b>	<b>4 inches</b>	<b>6.1 pcf</b>

**DRAGONBOARD INC.** – Nominal 9/16 inch thick Type Dragonboard.

**Design No. U055**  
August 29, 2006

**Non-bearing Wall Ratings — 3-Hr (See Item 4)**

**Terms and Conditions:** The above-described fire-rated wall assembled designs are accepted as having the fire-resistance ratings as indicated when used where combustible or non-combustible construction are required in accordance with the New York City Building Code under the following conditions:

1. This acceptance does not include structural adequacy or wall design which must be checked by a professional engineer or registered architect for particular structure for compliance with Building Code.
2. Installation shall comply with New York City Building Code and UL fire-resistance rating as specified above.

3. All shipments and deliveries of such material shall be provided with a certificate or label certifying that the material shipped or delivered are equivalent to that tested and accepted for use, as provided for in Section 27-131 of the New York City Building Code.

NOTE: In accordance with Section 27-131(d), all materials tested and accepted for use shall be subject to periodic retesting as determined by the Commissioner; and any material which upon retesting is found not to comply with Code requirements or the requirements set forth in the approval of the Commissioner shall cease to be acceptable for the use intended. During the period for such retesting, the Commissioner may require the use of such material to be restricted or discontinued if necessary to secure safety.

Final Acceptance May 14, 2008

Examined By Siun Derphidan