DIVISION 07—THERMAL AND MOISTURE PROTECTION
Section 07460—Siding

MITTEN INC.

1.0 SUBJECT

Mitten Vinyl Siding

2.0 PROPERTY FOR WHICH EVALUATION IS SOUGHT

2.1 Exterior Wall Covering
2.2 Wind Resistance

3.0 DESCRIPTION

The exterior wall siding is extruded from polyvinyl chloride resins and has nominal thicknesses of 0.040 inch (1.07 mm). The siding has a wood-gain texture and is available in several colors. Lengths range from 12 feet 1 inch (3683 mm) to 12 feet 4 inches (3759 mm). Panels are formed with an upper edge having nail slots and a lower edge that hooks into the upper edge of the lower course. Accessory items of the same material are furnished. The siding is produced in five profiles: Oregon Pride Double-4.5 Cove, Oregon Pride Double-4.5 Horizontal, Cambridge Double-4.5 Cove, Cambridge Double-4.5 Horizontal, and Southern Beaded 6.5. The Oregon Pride and Cambridge profiles are similar except the wood grain is different. See Figures 1, 2, and 3 for siding profiles. The products are assigned a CCI classification. (Classification is C1 in areas using the BOCA National Building Code.)

4.0 INSTALLATION

Installation shall be in conformance with ASTM D 4756-94, this report and the manufacturer's published installation instructions "How to Install Solid Vinyl Siding." A copy of these instructions shall be available on the jobsite at all times during installation. Siding shall be installed horizontally over solid sheathing attached to framing spaced a maximum 16 inches (406 mm) on center and covered with a weather-resistance membrane barrier as required by the applicable model code. Fasteners shall be corrosion-resistant nails with a 3/8-inch-diameter (9.5 mm) head and 1/8-inch-diameter (3.2 mm) smooth shank, and shall be long enough to penetrate the framing a minimum of 1 inch (12.7 mm). Nails shall be installed through the center of the nailing slots, a maximum of 16 inches (406 mm) on center, and shall be driven only far enough to hold the elements in place, leaving a minimum 1/16 inch (0.8 mm) space between the fastener head and the face of the vinyl nailing rail, so as not to restrict movement due to expansion and contraction.

5.0 IDENTIFICATION

5.1 Each carton of Mitten Inc. siding and accessories shall be identified with the manufacturer's name, product name production code, the statement "Conforms to ASTM Specification D 3679," the statement "Conforms to UBC Standard 14-2" and the ICC-ES legacy report number.

5.2 The report holder's contact information is the following:

MITTEN INC.
70 CURTIS AVENUE, NORTH
POST OFFICE BOX 2005
PARIS, ONTARIO N3L 3T2
CANADA

6.0 EVIDENCE SUBMITTED

6.1 Report of vinyl siding performance tests conducted in accordance with ASTM D 3679 [dimensional properties, heat shrinkage, impact resistance, coefficient of linear expansion, surface distortion, tensile strength, modules of elasticity in tension, impact strength (AGHAST) and deflection temperature under load], ASTM D 2843 (smoke density), ASTM D 1929 (ignition properties), ASTM D 635 (rate of burning), ASTM D 5206 (negative wind load) and temperature cycling, prepared by RADCO, Report No. RAD-1832, dated March 1997.

6.2 Reports of weatherability tests conducted in accordance with ASTM D 3679, prepared by RADCO, Reports RAD-1827, dated March 1997, signed by R.F. Tucker, P.E.

6.3 Mitten Inc. installation instructions entitled "How to Install Solid Vinyl Siding."
7.0 CONDITIONS OF USE

The ICC-ES Subcommittee for the National Evaluation Service finds that the Mitten Inc. sidings described in this report comply with the 2000 *International Building Code®,* the *BOCA® National Building Code/1999,* the 1999 *Standard Building Code®,* the 1997 *Uniform Building Code™* and the 2000 *International Residential Code®* subject to the following conditions:

7.1 Mitten Inc. vinyl siding shall be installed in accordance with this report, ASTM D 4756-94 and the manufacturer's installation instructions, described in Section 6.3 of this report.

7.2 In jurisdictions enforcing the BOCA National Building Code, siding shall be limited to installation on buildings of Type V construction, where the design wind pressure on the siding will not exceed 50 psf (2.39 kPa), negative. Additionally, the siding is limited to installation on walls that do not exceed 40 feet (12 192 mm) in height. The area covered by the siding material shall not exceed 10 percent of the exterior wall surface, where the fire separation distance is 5 feet (1524 mm) or less.

7.3 In jurisdictions enforcing the Standard Building Code, siding shall be limited to installation on buildings of Type VI construction, where the design wind pressure on the siding will not exceed 50 psf (2.39 kPa), negative.

7.4 In jurisdictions enforcing the Uniform Building Code, siding shall be limited to buildings of Type V construction in areas subject to a maximum basic wind speed of 80 miles per hour (129 km/h) in Exposure C zones on structures a maximum of 30 feet (9144 mm) in height.

7.5 In jurisdictions using the International Building Code or the International Residential Code, siding shall be limited to installation on buildings of Type V construction where the design wind pressure on the siding will not exceed 50 psf (2.39 kPa) negative.

7.6 Siding shall be limited to exterior vertical walls with solid sheathing covered with a weather-resistant barrier, as required by the applicable code.

7.7 All walls to which the siding is applied shall be braced or sheathed with approved materials as set forth in the applicable code.

7.8 This report is subject to periodic re-examination. For information on the current status of this report, contact the ICC-ES.