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Client: Seo Kyung TSC Co.  
 Project No.: 049594

Purchase Order No.: N/A  
 Date of Service: 11/30/2004  
 Report No.: 901737

Project: **AXB 242 Cast Aluminum Panel (3,000 lb. Design Load)**  
 Identification: Rolling Load Test of Access Flooring Systems  
 Test Method: CISCA Recommended Test Procedures, Section III

**General**

The Rolling Load Test was performed utilizing a test machine of Rone Engineers, Ltd. design to meet the requirements of CISCA Recommended Test Procedures, Section III.

**Rolling Load Test**

An imposed load of 2143 lbs. (assumed dynamic load of 3,000 lbs.) was run over the panels a total of 10,000 passes utilizing a 6" x 2" Polyurethane wheel. A mockup of the panel system was assembled with three (3) panels end to end with the center panel being the test panel. The test was performed with the panel system set at 12 inches F.F.H. The caster path was located at the panel center. Results are given below.

| LOCALIZED DEFORMATION: 6" STRAIGHTEDGE MEASUREMENT |                                |       |        |
|--|--------------------------------|-------|--------|
| Location   | No. Passes / Deformation (in.) |       |        |
|  | 500                            | 5,000 | 10,000 |
| Point 1: 1/2" From Edge 1-2                        | 0.000                          | 0.000 | 0.000  |
| Point 2: 4" From Edge 1-2                          | 0.000                          | 0.000 | 0.000  |
| Point 3: 8" From Edge 1-2                          | 0.001                          | 0.000 | 0.000  |
| Point 4: 12" From Edge 3-4                         | 0.000                          | 0.000 | 0.000  |
| Point 5: 6" From Edge 3-4                          | 0.000                          | 0.000 | 0.000  |
| Point 6: 1/2" From Edge 3-4                        | 0.000                          | 0.000 | 0.000  |

| BEAM DEFORMATION: 32" STRAIGHTEDGE MEASUREMENT |                                |       |        |
|--|--------------------------------|-------|--------|
| Location                                       | No. Passes / Deformation (in.) |       |        |
|  | 500                            | 5,000 | 10,000 |
| Edge 1-2, Perpendicular to Caster Path         | 0.000                          | 0.000 | 0.000  |
| Edge 3-4, Perpendicular to Caster Path         | 0.000                          | 0.000 | 0.001  |
| Edge 2-3, Parallel to Caster Path              | 0.001                          | 0.000 | 0.000  |
| Edge 4-1, Parallel to Caster Path              | 0.000                          | 0.000 | 0.001  |
| Diagonal 1-3                                   | 0.000                          | 0.001 | 0.002  |
| Diagonal 2-4                                   | 0.001                          | 0.001 | 0.003  |

LIMITATIONS: The test results presented herein were prepared based upon the specific samples provided for testing. We assume no responsibility for variation in quality (composition, appearance, performance, etc.) or any other feature of similar subject matter provided by persons or conditions over which we have no control. Our letters and reports are for the exclusive use of the clients to whom they are addressed and shall not be reproduced except in full without the written approval of Rone Engineers, Ltd.