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Testing Report

Report Number：NCREE-LT-TQM-D-T1601

2012013

Report Date：June 20, 2012

Test Name: **Optimus Type Busway**

Tested Item: **Optimus Type Busway**

Brand：Optimus, Model：Copper / Aluminium Busway,

60Hz 3P4W+1/2E, 200A~6300A, PN：N/A）

Test Applicant: **Mega Technology (Zhenjiang) Co., Ltd.**

The above item(s) was/were tested at the laboratory of NCREE, and its test results are provided in the report. This report contains 17 pages (this cover page excluded). This test report is valid only when it is referred to as a complete document at all times.

國家地震工程研究中心 地震模擬實驗室 National Center for Research on Earthquake Engineering

張國鎮

Director of NCREE

Applicant：No.97 Wu Feng Shan Road, Zhenjiang New Area, Jiangsu Province, China.
Tel : +86-511-88136688

Date of Test(s)：June 5, 2012

Item Tested　：Optimus Type Busway
Brand：Optimus、Model：Copper / Aluminium Busway，60Hz 3P4W+1/2E，200A~6300A、PN：N/A）

Equipment Used：5m×5m Tria-axial Earthquake Simulator

Preparation for the Test：

1. The NCREE laboratory provided a full-scale three-story steel frame (4.5m in width, 3m in depth, 9m in total height, 3m for each story). The busway system and its anchorage were provided by the Test Applicant (Mega Technology (Zhenjiang) Co., Ltd.) and the installation strictly followed its SOP routines to realistically reproduce the as-built condition.
2. The busway system started from the ceiling of the first story and extended to the exterior of the frame, and run upwards from the exterior of the first story until passing the ceiling of the second story and its other end was anchored at the slab of the third story as shown in Figure 1.
3. Accelerometers were provided by NCREE and installed at the shaking table platform and the busway system. Locations of accelerometers are shown in Figure 2.
4. The three-story steel frame was bolt-mounted onto the shaking table platform. Figure 3 shows the photographical view of the three-story steel frame with busway system mounted. Figures 4-6 show close-up photographical views on the important parts of the busway system.

Figure 4: Close-up view of the busway system.

Figure 5: Close-up view of the busway system.

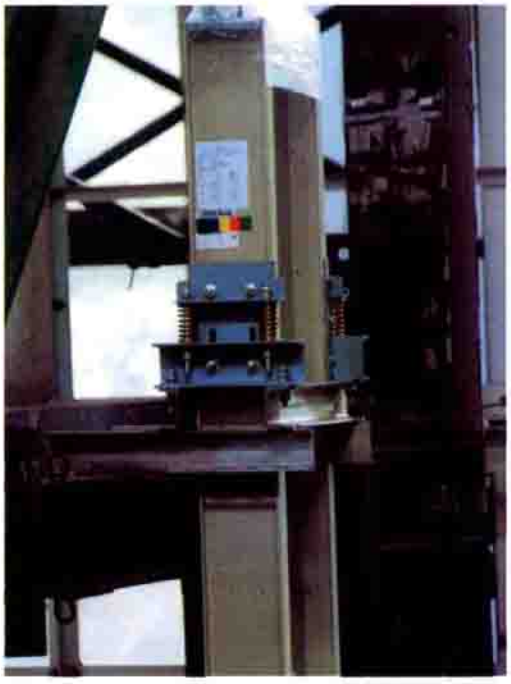

Figure 6: Close-up view of the busway system.