

CESI

Vs. rif.

Ns. rif. SRN-A6014841

Data Seriate, 30-mag-2006

Spettabile
TECNAIR S.r.l.
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OBJECT: Seismic tests on a TECNAIR Air Ceiling

In days November, 21th - 25th 2005 seismic tests on a TECNAIR Air Ceiling Unit have been performed in LPS laboratory of CESI – Seriate (BG).

Target of the test was to verify the dynamic behaviour of the unit during a possible earthquake assessing a reasonable experimental safety margin. Tests were made with reference to EN 1998-1 “Eurocode 8 - Design of structures for earthquake resistance”, december 2004 and to IEC Publication 60068-2-57, 1995 “Environmental Testing. Part 2 : Tests method. Test Ff: Vibration - Time-history method“.

The experimental activity includes:

- dynamic tests for *critical frequencies evaluation*;
- triaxial multifrequencial seismic tests
- static tests for *stiffness evaluation and deformation capability*

During the tests no evident mechanical failure was detected on the unit; final and functional tests are of competence of TECNAIR.

Best regards

GP/nl

CESI

Centro Elettrotecnico Sperimentale Italiano
Giacinto Motta SpA
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Il Responsabile: Gualtiero Baldi

