

## Cladding Works

In giving this approval of plans, I hereby impose the following conditions under item 6 in section 17(1) of the Buildings Ordinance:

- (a) Where stone cladding is to be used, flexural strength test of dimension stone and strength test of individual stone anchorage should be carried out in accordance with Practice Note for Authorized Persons, Registered Structural Engineers and Registered Geotechnical Engineers (PNAP) APP-16. Test results should be submitted prior to the application of occupation permit or the submission of Form BA14 as appropriate and certified by an independent testing agency which has carried out or supervised those tests and endorsed by the Registered Structural Engineer to confirm that the test results have achieved the required characteristic strengths adopted in the design.
- (b) Where limestone is to be used as exterior cladding material, in addition to paragraph 1(b) above, aged strength testing should be carried out for limestone cladding in accordance with the PNAP APP-16. Test results should be submitted prior to the application of occupation permit or the submission of Form BA14 as appropriate and certified by an independent testing agency which has carried out or supervised those tests and endorsed by the Registered Structural Engineer to confirm that the acceptance criteria for aged strength testing set out in the PNAP APP-16 have been complied with.
- (c) Where aluminium/ stainless steel/ steel or the like extruded section is to be used and the method of connection of the extruded section to its supporting structure relies solely on interlocking without mechanical fixing, such as bolting or welding, performance test shall be carried out to demonstrate its integrity. Testing proposal shall be submitted by the Registered Structural Engineer prior to the consent application of the works. The testing proposal should be prepared by making reference to the PNAP APP-37. The test should be carried out by an independent laboratory\* accredited by the Hong Kong Laboratory Accreditation Scheme (HOKLAS) or by other laboratory accreditation bodies which have reached mutual recognition agreements/arrangements with HOKLAS. The test results<sup>@</sup> should be submitted prior to the application of occupation permit or the submission of Form BA14 as appropriate and appended with a statement signed by the Registered Structural Engineer to confirm that the acceptance criteria appropriate to the test have been complied with.

2. The following conditions in respect of qualified supervision of works are imposed under item 6 in section 17(1) of the Buildings Ordinance:

- (a) Qualified site supervision of the cladding works, including fabrication, erection and examination of the structural elements/fixings, by experienced and competent persons as defined in (b) and (c), should be provided to ensure that the works are carried out in accordance with the plans approved and that the required standards are complied with.
- (b) The Registered Structural Engineer should assign a quality control supervisor to supervise the works, determine the necessary frequency of inspection by the

quality control supervisor which should not be less than once a week, and devise inspection check lists. The minimum qualifications and experience of the quality control supervisor is to be the same as the Technically Competent Person of grade T3 under the Registered Structural Engineer's stream, as stipulated in the Code of Practice for Site Supervision 2009.

- (c) The Registered General Building Contractor should assign a quality control co-ordinator to provide full time on site supervision of the works and devise inspection check lists. The minimum qualifications and experience of the quality control co-ordinator is to be the same as the Technically Competent Person of grade T1 under the Registered General Building Contractor's/Registered Specialist Contractor's stream, as stipulated in the Code of Practice for Site Supervision 2009.
- (d) The names and qualifications of the supervisory personnel representing the Registered Structural Engineer and the Registered General Building Contractor respectively should be recorded in an inspection log book. The date, time, items inspected and inspection results should be clearly recorded in the log book. The log book should be kept on site for inspection by representatives of the Buildings Department.

\* A Directory of Accredited Laboratories in Hong Kong is obtainable from the Hong Kong Accreditation Service (HKAS) Executive, Innovation and Technology Commission.

A laboratory's accreditation for an individual test or calibration may be granted, modified or withdrawn at any time. Up-to-date information on accredited laboratories and their scopes of accreditation are available on the internet at the HKAS website at <http://www.itc.gov.hk/hkas/>.

@ The test carried out by an accredited laboratory should be within its scope of accreditation. To ensure this, test results should be reported on a HOKLAS Endorsed Certificate or equivalent Certificate/Report issued from other laboratory accreditation bodies which have reached mutual recognition agreements/arrangements with the HOKLAS.