



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE SECRETARY
Manila

097.13 DPW

7-30-90

18 July 1990

DEPARTMENT ORDER

NO. **153**

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SUBJECT: PROCEDURES IN THE INVESTIGATION OF THE CAUSE(S) OF FAILURE OF A BUILDING OR A RELATED STRUCTURE.

The provisions of Ministry Order #76 series Of 1983 on the above-mentioned subject is hereby updated.

All Building Officials and other officials concerned, this Department, shall adopt the following procedures in the investigation of the cause(s) of partial or total failure of a building or a related structure arising from the effects of earthquakes or typhoons:

- 1.0 Where rescue work will not be hampered, the structure shall be immediately cordoned partially or totally, as the case may be, and shall be secured with the assistance of the Philippine Constabulary/Integrated National Police so as to prevent untoward destruction of property and/or injury including loss of life, looting, salvaging of materials and other acts which may adversely affect securing of test samples of materials.
- 2.0 Submit a preliminary report on the damage to life and property to the Secretary of Public Works and Highways (DPWH) within three (3) days after the incident.
- 3.0 Provide assistance and facilities for inspection to the investigating team as may be designated by the Secretary, DPWH and furnishing the team the following:
 - 3.1 Copy of the approved plans, specifications, design analysis and computations;
 - 3.2 True copy of the Log Book including true copies of the results of tests of materials during construction;
 - 3.3 Xerox copy of the Building Permit and Certificate of Occupancy;
 - 3.4 Names and postal addresses of the owner, contractors, designers (architect or engineer), structural engineer, project engineer or in-charge of construction and project inspector/s of the Office of the Building Official.
 - 3.5 Other relevant information.

- 4.0 Witness the securing of test samples; the subsequent testing thereof shall preferably be witnessed also by the Building Officials, owner, contractor, designer and structural engineer or their authorized representatives.
- 4.1 At least three (3) test samples as representative for each of the structural components of the structure, such as slabs, beams, columns, bearing/shear walls, etc., shall be secured at random; the sampling and testing thereof shall be in accordance with the requirements of the American Society for Testing and Materials (ASTM), latest edition.
- 4.2 The test samples shall be identified and attested (carded) by the sampler, and shall be properly handled, stored and transported to the designated/accredited testing laboratory.
- 5.0 A final report of the incident shall be submitted to the Secretary thru the Executive Director, Building Research and Development Staff within fifteen (15) days after the investigation work had been completed, and at which time the Demolition Order shall be issued in accordance with Rule VII and Rule XV of the Implementing Rules and Regulations of the National Building Code (P.D. 1096).

This Order takes effect immediately.



FIGORELLO R. ESTUAR
Secretary