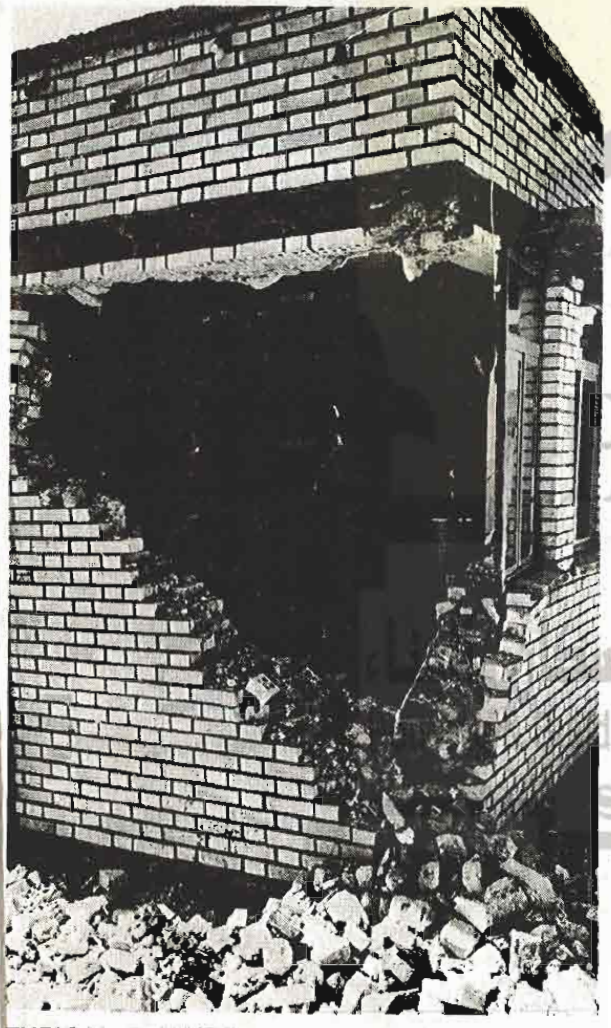
EDUCATIONAL BUILDING DIGEST 2

UNESCO REGIONAL OFFICE FOR EDUCATION IN ASIA, P.O.BOX 1425, BANGKOK

SMALL BUILDINGS IN EARTHQUAKE AREAS



TYPICAL FAILURE

LOAD BEARING WALL: LOW QUALITY BRICK IN LIME MORTAR

CLADDING: HIGH QUALITY BRICK IN CEMENT MORTAR

CORNER NOT REINFORCED

WINDOWS TOO CLOSE TO CORNER

INTRODUCTION

This publication is not written for the professionally qualified architect or engineer but for builders and others who actually construct small buildings in earthquake areas of not more than 120 sq.m. in area and not more than two storeys in height.

Larger buildings or small buildings of critical importance housing machinery for water or electrical supplies must be designed by a qualified engineer or architect.

Translation of this publication into the local language; its adaptation to local circumstances; its distribution to builders and others concerned with the construction of small buildings in earthquake areas, would greatly assist in the prevention of loss of life, injury to persons and damage to buildings.

Acknowledgements are made to the Director of the Building Research Establishment, United Kingdom, for his kind permission to produce this Digest which is based on a handbook on the design of small buildings in earthquake areas by A.F. Daldy.*

* Daldy, A.F. *Small buildings in earthquake areas.* Garston, Eng., Building Research Establishment, Department of the Environment, 1972, 41 p.