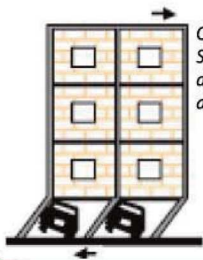


R.C. structure  
with Open Ground  
Storey



Open Ground  
Storey getting  
damaged during  
an earthquake

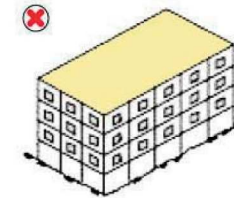
## OWNER'S GUIDE FOR EARTHQUAKE RESISTANT BUILDINGS



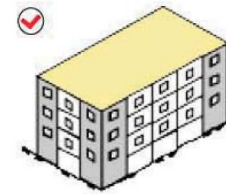
NATIONAL INSTITUTE OF DISASTER MANAGEMENT

(Ministry of Home Affairs, Govt. of India)  
IIPA Campus, 5 B IP Estate, Mahatma Gandhi Marg,  
New Delhi-110002 (India)  
Tel. 011-23702432, 23705583, 23766146  
Tele Fax: 011-23702442, 23702446  
Website: www.nidm.gov.in

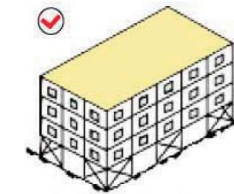
## MEASURES TO PREVENT OPEN GROUND STOREY FAILURE



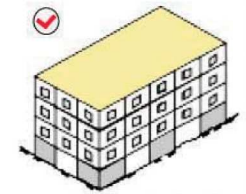
Building on stilts



Providing  
R.C. Shear Wall

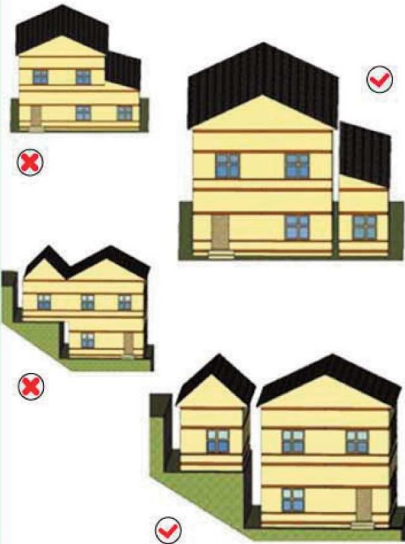


Bracings in the columns  
of open ground storey

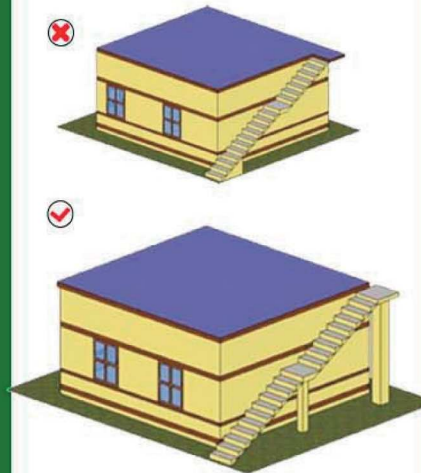


Providing Brick infills  
between columns

## VERTICAL IRREGULARITIES



## DETACHED STAIR CASE



Cement : Sand - 1 : 4  
Cement : Sand : Aggregates - 1 : 1.5 : 3

## OPENING DISTANCE FROM CORNER



EARTHQUAKE BELTS

## PLAN IRREGULARITIES

