

Local Estimation - Masonry Building



Grade 1 : Substantial damage

(Moderate structural damage, heavy non-structural damage)

Cracks in many walls.

Fall of fairly large pieces of plaster.

Partial collapse of chimneys.



Grade 2 : Very heavy damage

(Heavy structural damage, very heavy non-structural damage)

Serious failure of walls, partial structural failure of roofs and floors.

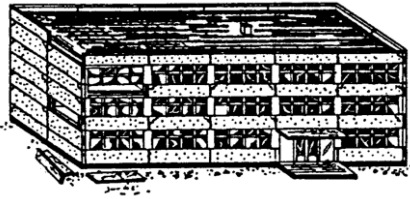


Grade 3 : Complete destruction

(Very heavy structural damage)

Total or near total collapse.

Local Estimation - Reinforced Concrete Building



infill panels.

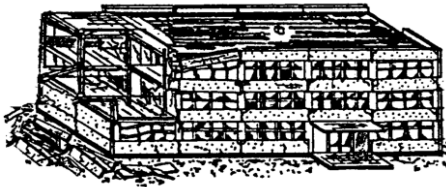
Grade 1 : Substantial damage

(Moderate structural damage, heavy non-structural damage)

Cracks in columns and beam column joints of frames at the base and at joints of coupled walls.

Spalling of concrete cover, buckling of reinforced rods.

Large cracks in partition and infill walls, failure of individual



Collapse of a few columns or of a single upper floor.

Grade 2 : Very heavy damage

(Heavy structural damage, very heavy non-structural damage)

Large cracks in structural elements with compression failure of concrete and fracture of rebars; bond failure of beam reinforced bars; tilting of columns.



Grade 3 : Complete destruction

(Very heavy structural damage)

Collapse of ground floor or parts (e. g. wings) of buildings.

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