A typical design of small dwelling unit for Seismic zone III, IV and V showing architectural and structural drawings for Brick wall

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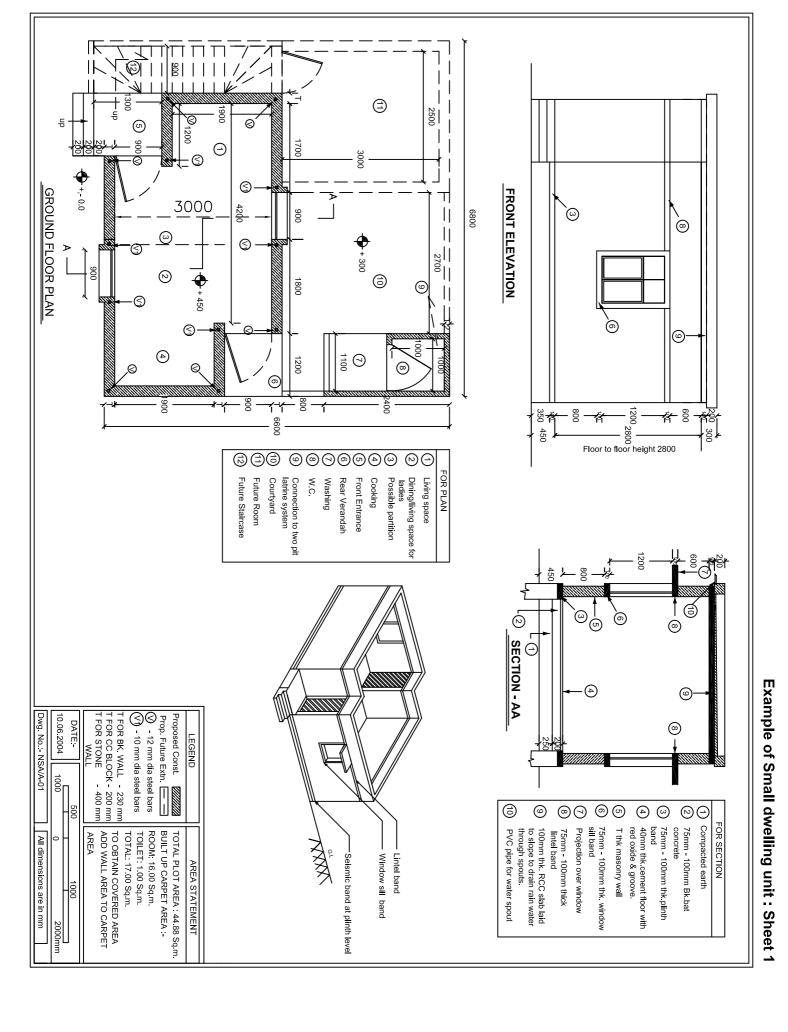
Stone Masonry wall

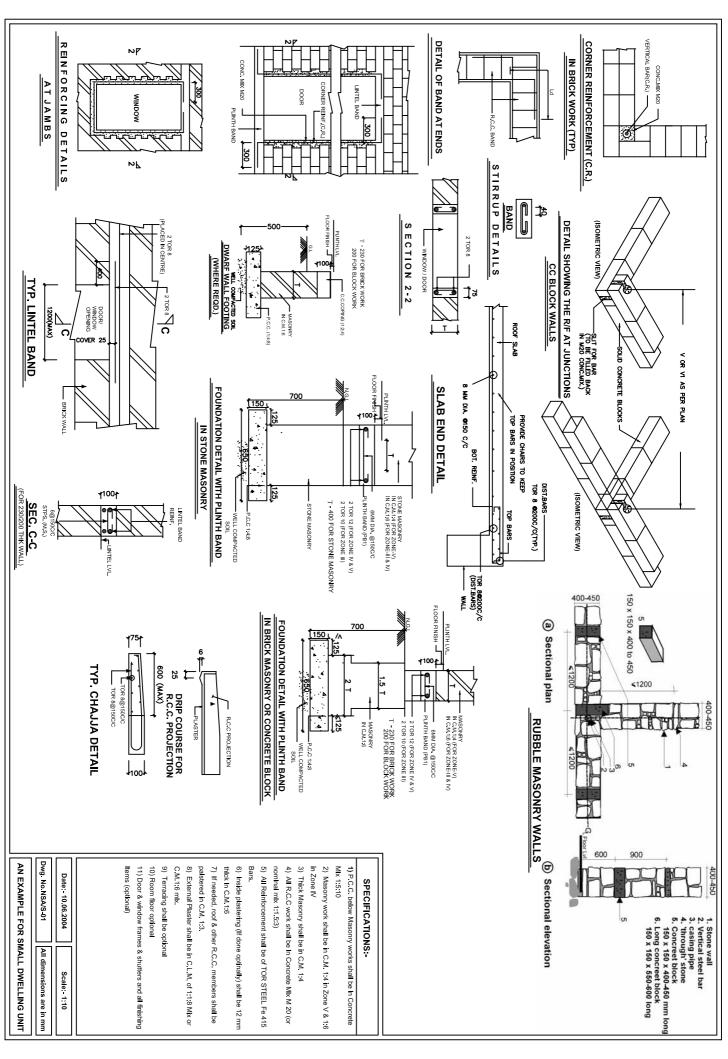
Prepared by

Prof A S Arya National Seismic Advisor



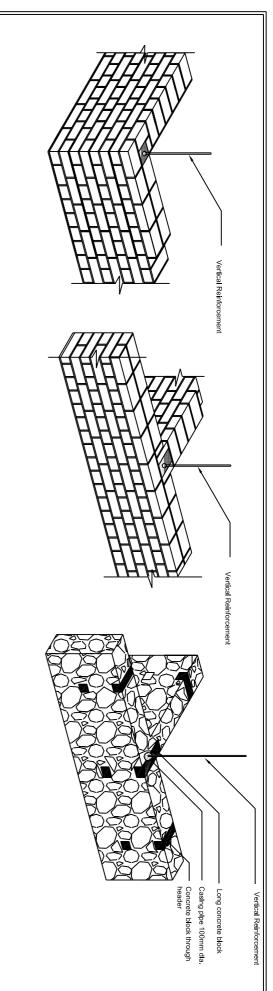
Government of India Ministry of Home Affairs National Disaster Management Division





Example of Small dwelling unit: Sheet 3

Example of Small dwelling unit: Sheet 4



Vertical steel bars at corners and T-junction in brick masonry

(Create pockets of 114*114 mm (1/2*1/2 brick) in brick work and fill with

(Create pockets of 114*114 mm (1/2*1/2 brick) in brick work and fill with M20 micro concrete after every 2 courses)

Details of providing vertical steel bars at T-junction in Rubble masonry wall

- 1. Build stone masonry around casing pipe
- 2. Rotate casing pipe to loosen and raise above masonry
- 3. Fill the hallow pocket with M20 micro concrete

Vertical Reinforcement at jambs of door opening

Corner vertical Reinforcement

Details of providing vertical steel bars at corners, T-junctions of walls and jambs of openings

AN EXAMPLE FOR SMALL DWELLING UNIT

Dwg No NSA/S-04

All dimensions are in mm

Details of providing vertical steel bars in brick masonry

