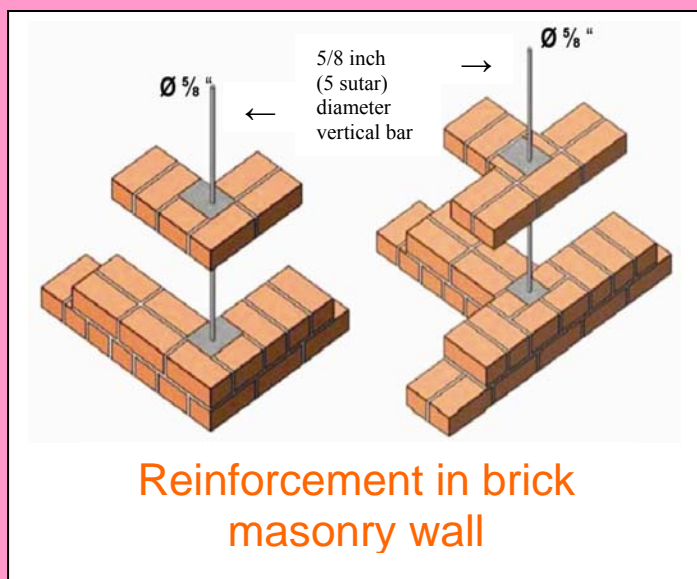




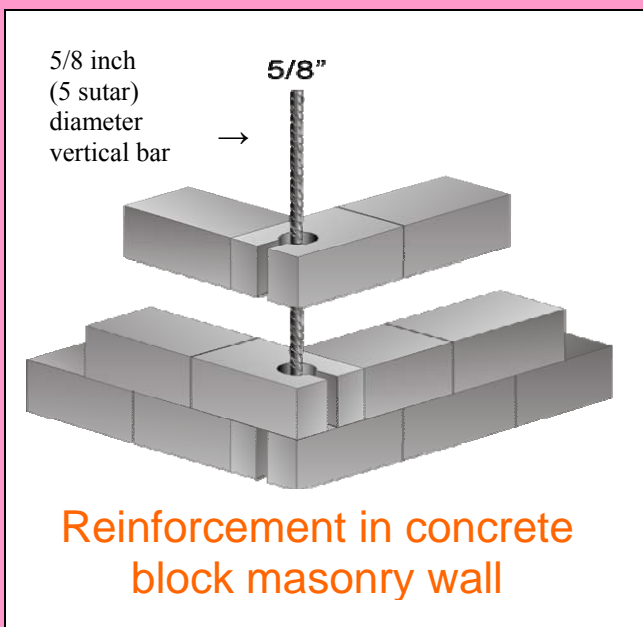
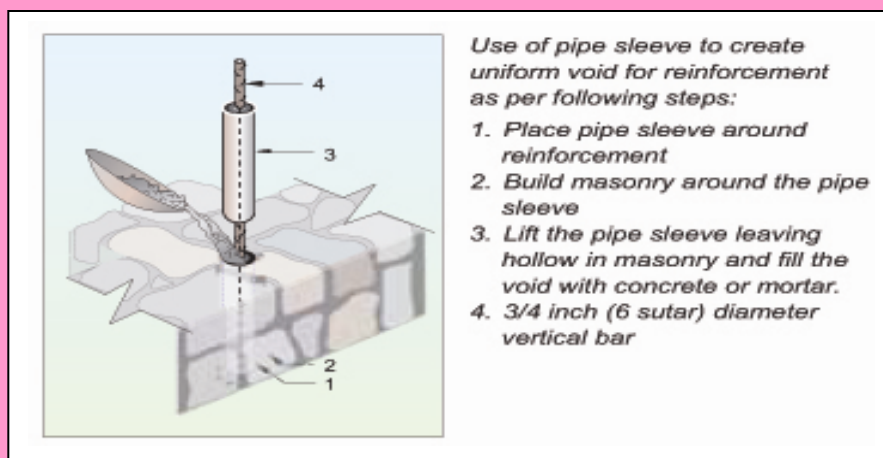
You can make your **NEW HOUSE** safe against **EARTHQUAKE!** FOLLOW 10 RECOMMENDATIONS

For Single Storey Masonry Houses in Cement Sand Mortar

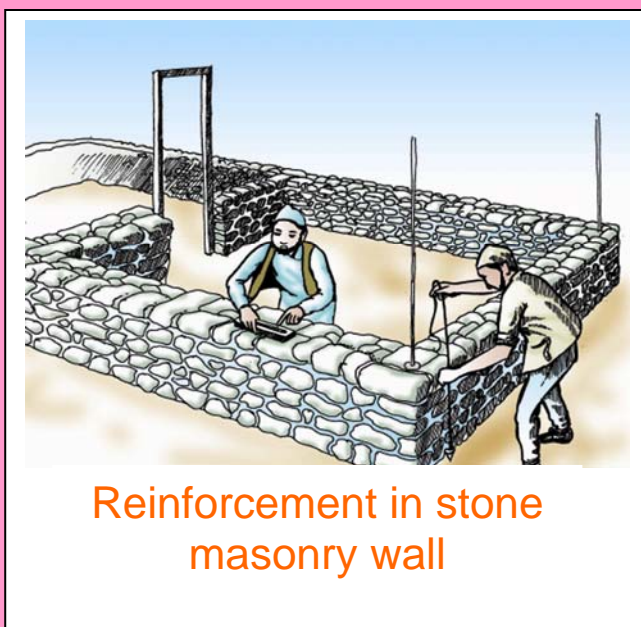
7. Vertical Reinforcement in Walls



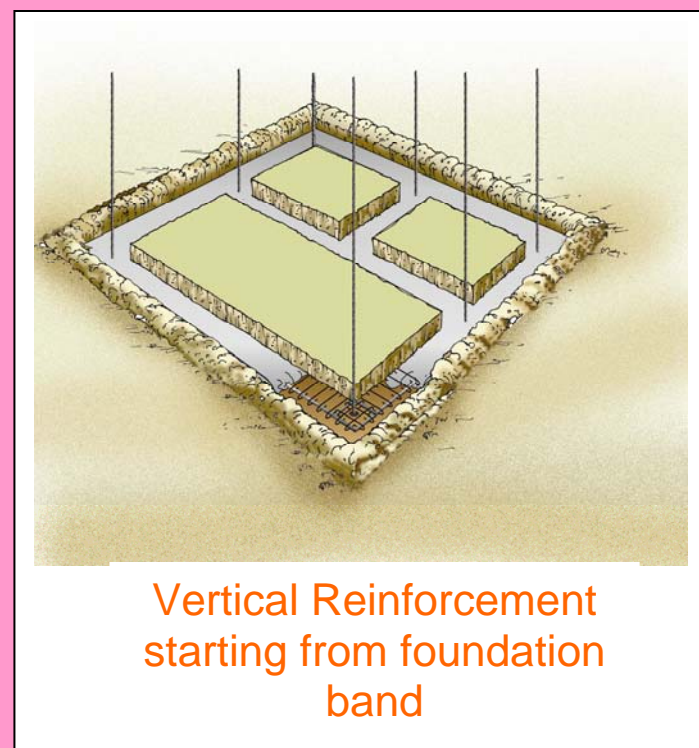
Reinforcement in brick masonry wall



Reinforcement in concrete block masonry wall



Reinforcement in stone masonry wall



Vertical Reinforcement starting from foundation band

- Place vertical steel bars in foundations and walls, at all corners and junctions of walls and adjacent to all doors and windows. The maximum spacing between two adjacent vertical bars should not be more than 4 ft.;
- Anchor all vertical steel bars in the foundation and roof band with standard hooks as shown in POINT 10;
- Use 5/8 inch diameter (5 sutar) steel bars in case of brick and concrete block masonry. Provide 3/4 inch diameter (6 sutar) steel bars for coursed stone masonry;
- Fill the pocket around steel bars with 1:2:4 concrete for brick and concrete block masonry. Cement sand mortar 1:3 may also be used for concrete block masonry;
- For stone masonry place 2 inches diameter PVC pipe around the steel bars, and build masonry around it. Extract the pipe and fill the hole with 1:3 Cement sand mortar or 1:2:4 concrete.
- Overlap vertical bars at splice per Table 1 in POINT 10.



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