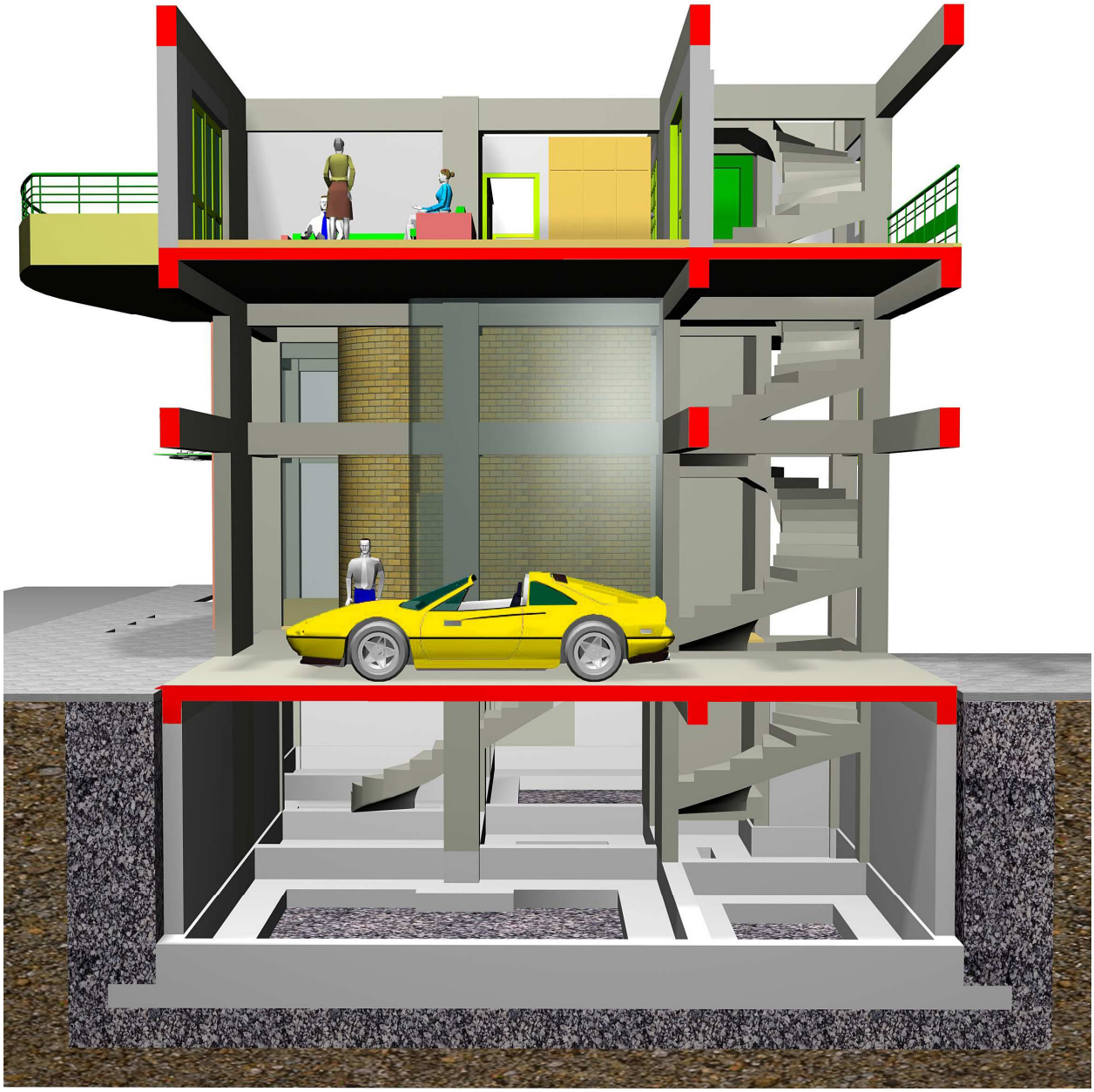
1.3 STRUCTURAL FRAME LOADING

The structural frame is designed to withstand, in a constant basis, the vertical gravitational loads (self weight, masonry walls, floor coverings, cars, furniture, people etc) and not in a continuous but in a periodical basis, the wind and snow actions. Moreover it must always bear the “self induced” loadings caused by temperature changes etc.



In every building like the one shown in the above figure, permanent (dead) and imposed (live) loads are applied. The latter are much lower than the former, for example 3 persons and the living-room furniture weight as much as a single m^2 of slab surface while a car weights as much as a sole beam.

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