



SECTION 1-1

The support of the staircase upon the shear wall can be achieved by various ways based on the designer's simulation and the dominate practices. Some of the support options are presented below:

(a) Simultaneous reinforcement implementation and concrete casting of both the staircase and the shear wall. Theoretically, this is the most effective solution however, it involves large constructional difficulties and therefore it is not usually chosen.

- (b) Positioning of starter bars (3) and (4) during the shear wall's construction. This practice is being followed in the above example. It is recommended to place the starter bars by the way explained in §3.2.7, in short height though.
- (c) Positioning of starter bars (3) and (4) during the shear wall's construction, without the formation of a 'nest'.
- (d) Positioning of starter bars (3) and (4) after the shear wall's construction, by drilling holes and resins usage.
- (e) Fitting of special supports upon the shear wall, for the formation of specific support conditions e.g. pin support.
- (f) Avoidance of anchorage into the shear wall by forming a reinforced zone parallel to it (this zone is, either way formed by the distribution reinforcement). Of course, in any case, the longitudinal reinforced zone RZ2 must be properly anchored upon the shear wall.

