Claims

1. A method for creating an elevator shaft of an elevator system,
wherein the elevator shaft (12) is mainly vertically aligned and forms a travelway (23) for a car (22) of the elevator system (10, 310, 410, 510), which car (22) is moved at a nominal speed within the travelway (23) in normal operation of the elevator system (10, 310, 410, 510), and the method has the following method steps:

- placing multiple base modules (14, 16, 18, 518) on each other, and
- closing the elevator shaft (12) upwards by mounting a top module (21, 521),

characterized by
the further method steps of:

- providing an intermediate element (19, 119, 219, 319, 419, 519) with an intermediate element height (h1, h3, h4, h5) dependent on the mentioned nominal speed of the car (22), and
- arranging the selected intermediate element (19, 119, 219, 319, 419, 519) between an uppermost base module (18, 518) and the top module (21, 521).

2. The method according to claim 1,
characterized in that
the intermediate element height (h1, h3, h4, h5) of the intermediate element (19, 119, 219, 319, 419, 519) becomes greater with increasing nominal speed of the car (22).

3. The method according to claim 2,
characterized in that
the intermediate element height (h1, h3, h4, h5) of the intermediate element (19, 119, 219, 319, 419, 519) is dependent on the square of the nominal speed of the car (22).

4. The method according to claim 1, 2 or 3,
characterized in that
the intermediate element (19, 319, 419, 519) consists only of mainly vertically oriented intermediate element supports (27).

5. The method according to claim 1, 2 or 3,
characterized in that

the intermediate element (119, 219) has vertically oriented intermediate element supports (127, 227) and a horizontally oriented intermediate element cross member (129, 229a, 229b).

6. The method according to claim 4 or 5,
characterized in that
the intermediate element supports (27, 127, 227) and/or the intermediate element cross member (129, 229a, 229b) are made of metal profiles.

7. The method according to any of claims 1 to 6,
characterized in that
each base module (14, 16, 18, 518) has a door opening (35) for arranging a shaft door (37).

8. The method according to any of claims 1 to 7,
characterized in that
the elevator system (10) has

- a counterweight (30),
- a suspension means (24) connecting the car (22) and the counterweight (30), and
- a counterweight buffer (31)

wherein the counterweight buffer (31) is designed and arranged such that it limits a downward displacement of the counterweight (30) and can be maximally compressed by the counterweight (30) by a buffer stroke (s), and the intermediate element height (h1, h3, h4, h5) of the intermediate element (19, 119, 219, 319, 419, 519) is dependent on said buffer stroke (p) of the counterweight buffer (31).

9. The method according to any of claims 1 to 8,
characterized in that
the intermediate element height (h1, h3, h4, h5) of the intermediate element (19, 119, 219, 319, 419, 519) is dependent on the presence of a limiting device (533), wherein the limiting device (533) is designed such that, in a maintenance mode of the elevator system (10, 310, 410, 510), it limits the movement of the car (22) toward the top module (521).