

# LIFTING PLATFORM MAISON TRACTION - MRL

## Installation manual

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# 1 ABOUT THIS DOCUMENT

## 1.1 Document information

Modification no	1	2	3	4	5	6	7
Modification date							
Modified by							
Legal owner	KLEEMANN HELLAS ABEE						
Title	Installation manual maison Traction						
Date of issue : 10/02/2014	Language : ENG						

Chapter

Created:

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Translated:

1-3

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## 1.2 Safety warning definition

**Danger:** Draws attention to a high risk of serious injury or death of persons.

**Warning:** Draws attention to risk of serious injury or death of persons or extensive damage to property.

**Caution:** Draws attention to information containing important instructions. Failure to observe the instructions can lead to damage and faults.

**Important note:** Useful information that must be read

## 1.3 Scope of supply

The lifting platform maison Traction complies with 2006/42/ EC.

The lifting platform has a specific range of application regarding travel, speed, load, etc. All the features of fully recorded in the EC type certificate.

## 1.4 Information concerning the product

### 1.4.1 Scope of current document

**Important note:** The current document consists part of the documentation of complete lifting systems and it concerns lifts type maison traction.

In special cases that decline from the basic version, special procedures need to be followed. If customers are not able to carry out the task, the aid of the manufacturer should be asked.

## 1.4.2 Validity, date and terms considering the specific document

The current document is valid until the issue of the next version. The version number is depicted on paragraph 1.1.

## 1.4.3 Manufacturer

The product is manufactured by:

KLEEMANN HELLAS SA

Located in

KILKIS INDUSTRIAL AREA

P.O. BOX 25 Postal Code 61100 KILKIS, GREECE

## 1.4.4 Definition, type and capacity

Definition: Lifting platform

Type: maison Traction

Capacity: 180 – 450 Kg

Drawings of each order shall be provided from KLEEMANN's Technical Department.

## 1.5 Quality assurance

The quality assurance system employed ensures the high level of quality of all KLEEMANN's complete lift systems. The ISO 9001:2000 quality assurance system employed by KLEEMANN incorporates all the detailed systematic activities required for the compliance of the specific product with all the relevant safety regulations.

The measures of quality assurance, extensions of them, test methods, documentation and important points that should be checked are set by the installer to its own structural features.

**Important note :** All necessary documents regarding safety instructions, use and maintenance of lift components, are contained within the user's manual, supplied along with every complete KLEEMANN lift and should always be at the disposal of persons involved in the installation and maintenance of the lift.

## 1.6 Instructions for installation of controller and pre-wiring

Installation instructions for all electrical components are inside the pre-wiring package.

## 1.7 Transportation & temporary storage

### 1.7.1 Unpacking of components

Thoroughly check the consignment for any possible damages or missing parts right after reception. Notify the manufacturer immediately in written for any problems regarding the consignment. Complaints that are notified to the manufacturer long after the reception of the consignment will not be accepted. Remove all packing material prior to installation.

## 1.7.2 Temporary storage

Temporary storage should not take place in high humidity environments. Check all packed components regularly, for the possible existence of condensed water which could cause wear.

## 1.7.3 Material protection

**Caution:** The state of the supplied components should be checked at regular intervals, if the storage is to exceed the suggested period. KLEEMANN will not be responsible for any failure by other parties to comply with the suggested storage guidelines.

## 1.7.4 Protection from environmental conditions

The storage area should be dry and free of dust. Protection against time can only be achieved through proper packaging and storage.

## 2 GENERAL DESCRIPTION MAISON TRACTION

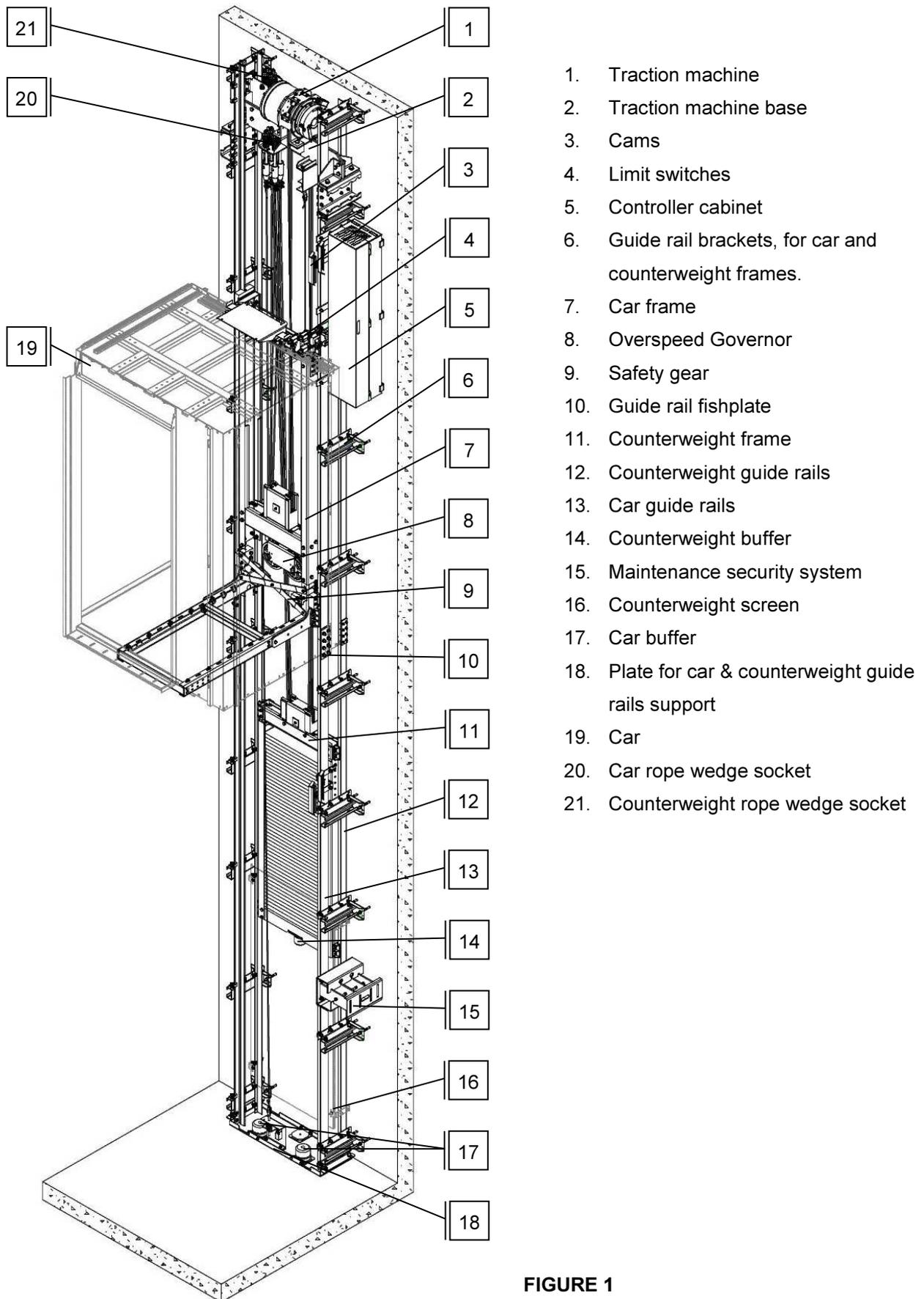


FIGURE 1

### 3 INSTALLATION INSTRUCTIONS

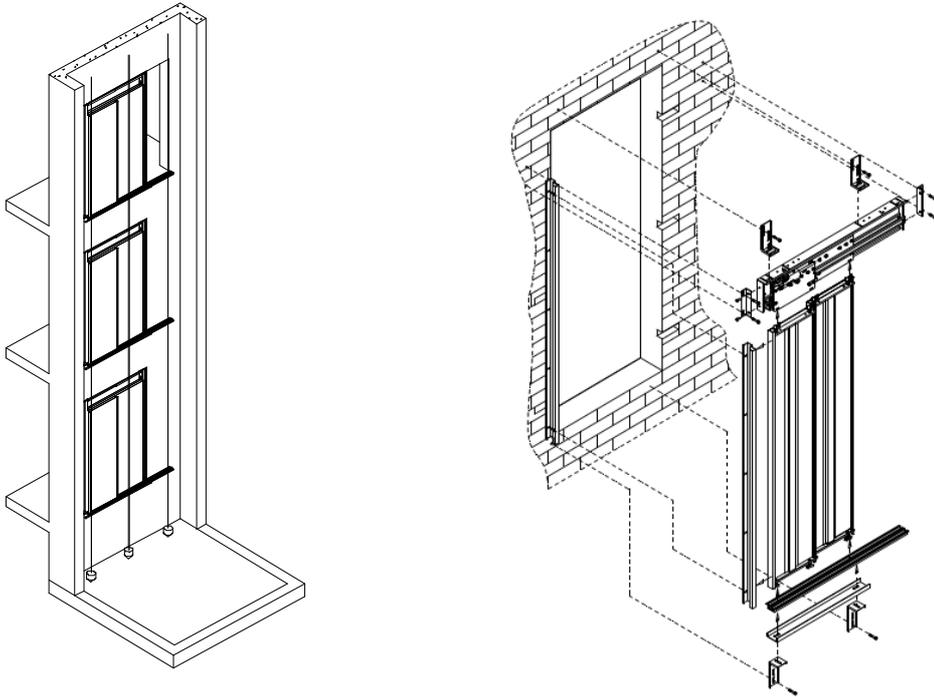


FIGURE 2

#### 3.1 Installation of landing doors in the shaft

The exact position of the doors is determined by the plan view supplied by the manufacturer. Suspend a plump line from the shaft ceiling until the pit, secure the plump line and install all the landing doors. (FIGURE 2)

- ❑ For more details please refer to door's installation manual.
- ❑ Doors can be center or side opening, automatic or semi-automatic

## 3.2 Installation of guide rails and support plates

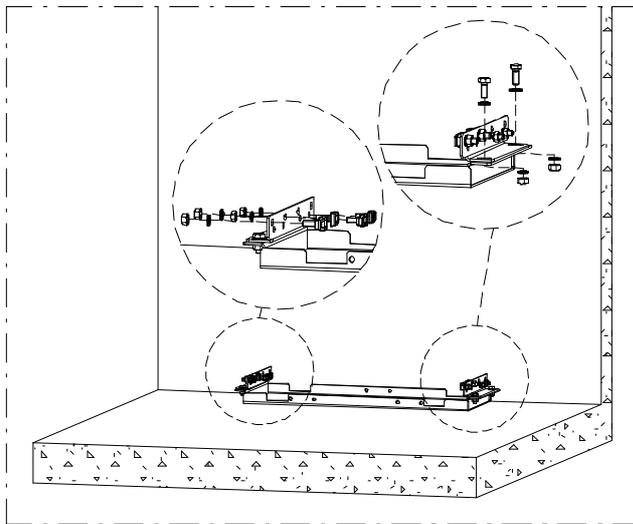


FIGURE 3

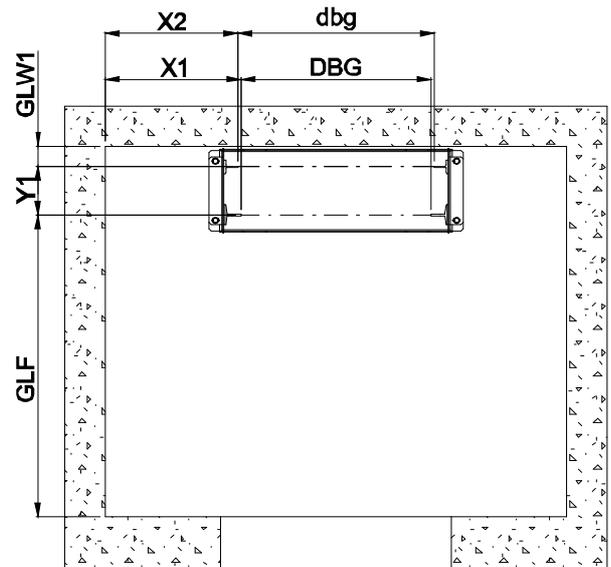


FIGURE 4

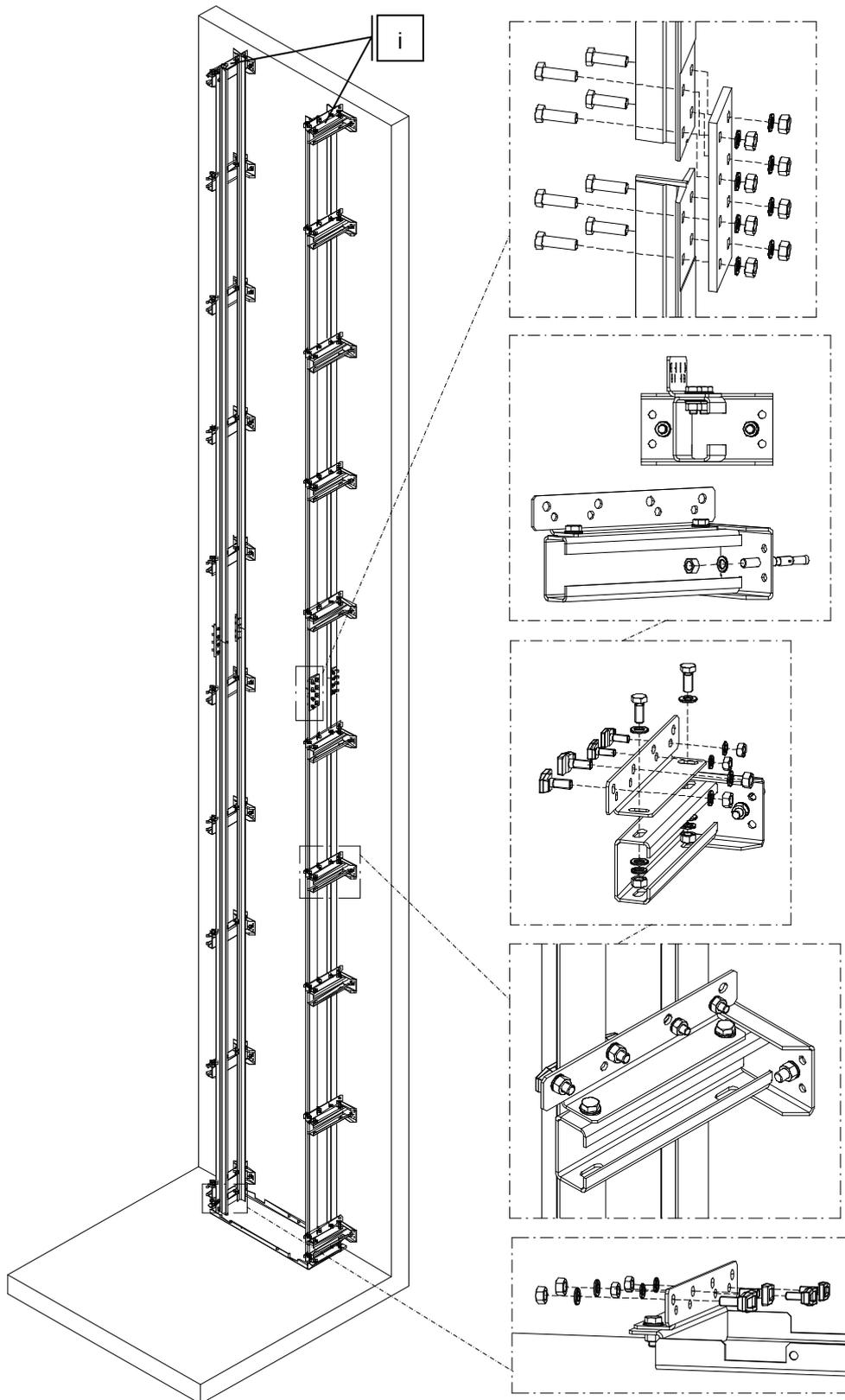
Firstly, locate the two plates for the main and auxiliary guide rails to the pit floor as shown in FIGURE 3. Their exact location according to shaft walls is determined after the guide rails are placed as shown in FIGURE 4.

The distances GLF, GLW1, GLG2, DBG, dbg, X1, X2 and Y2 are given in the shafts plan view.

The support plate must osculate at the pit along its length, so it can support the buffers. The plate has bases on which the cabins and counterweights bases will be mounted.

The distance between guide rail brackets is given in the accompanying drawings of the lifting platform.

**Warning:** Correct fixing of the guide rails and of the support plate is crucial because it affects the positioning of the rest components and thus the lifting platform's smooth running.



**FIGURE 5**

- i. The upper top brackets must be installed, after the adjustment of machine base.

### 3.3 Installation of machine's support bases

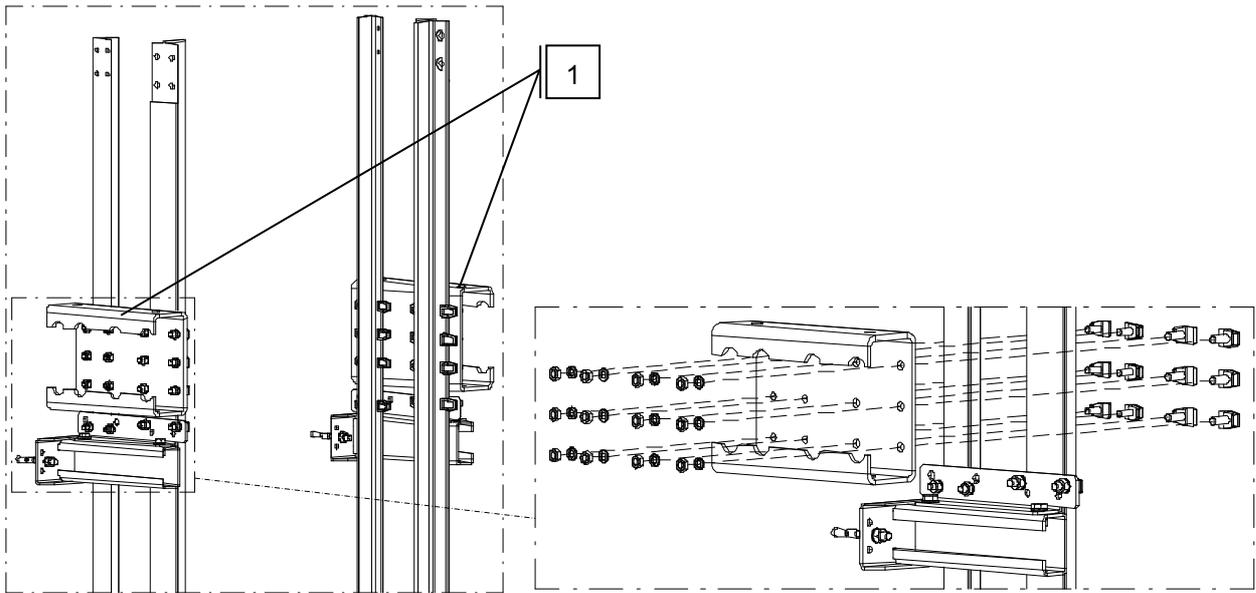


FIGURE 6

Install the machine's support bases (1) – on the guide rails with forged clips (FIGURE 6). On FIGURE (7) IS given the exact position of both bases. The distances a, MLB, b, are given in the accompanying drawings of the lifting platform.

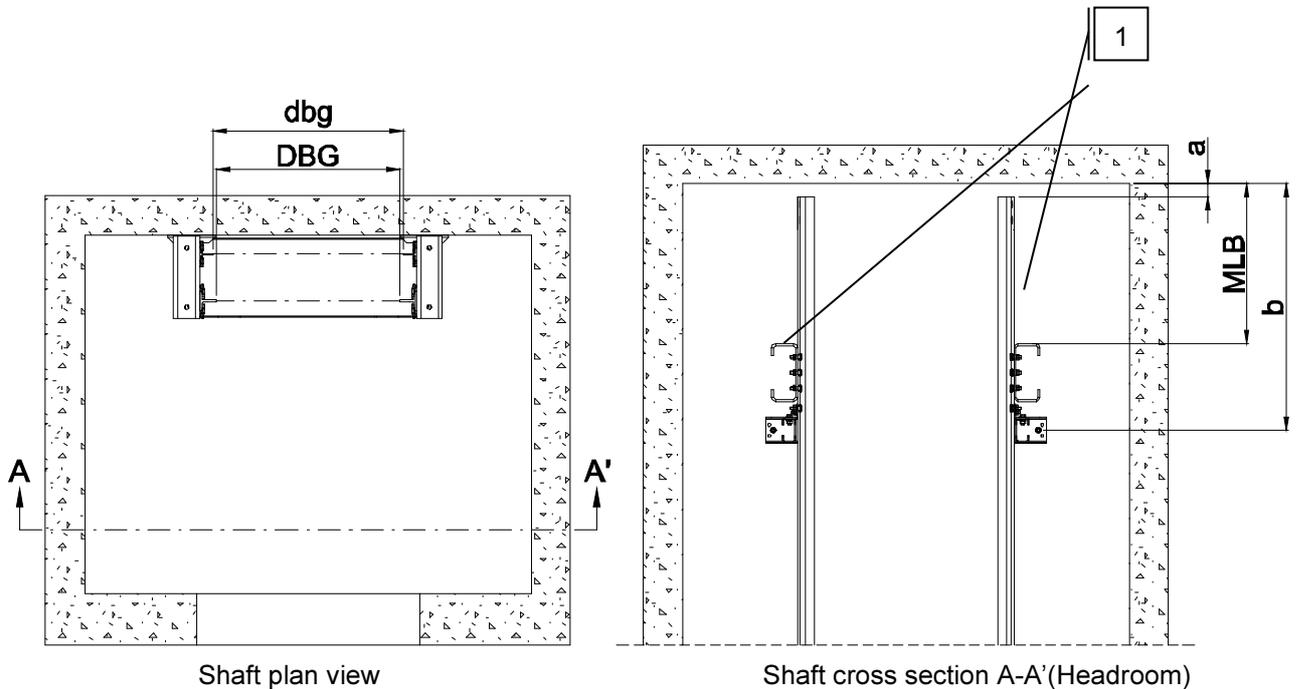


FIGURE 7

**Warning:**

- ❑ The bases (1) must be horizontal and leveled between them.

3.4 Machine base installation

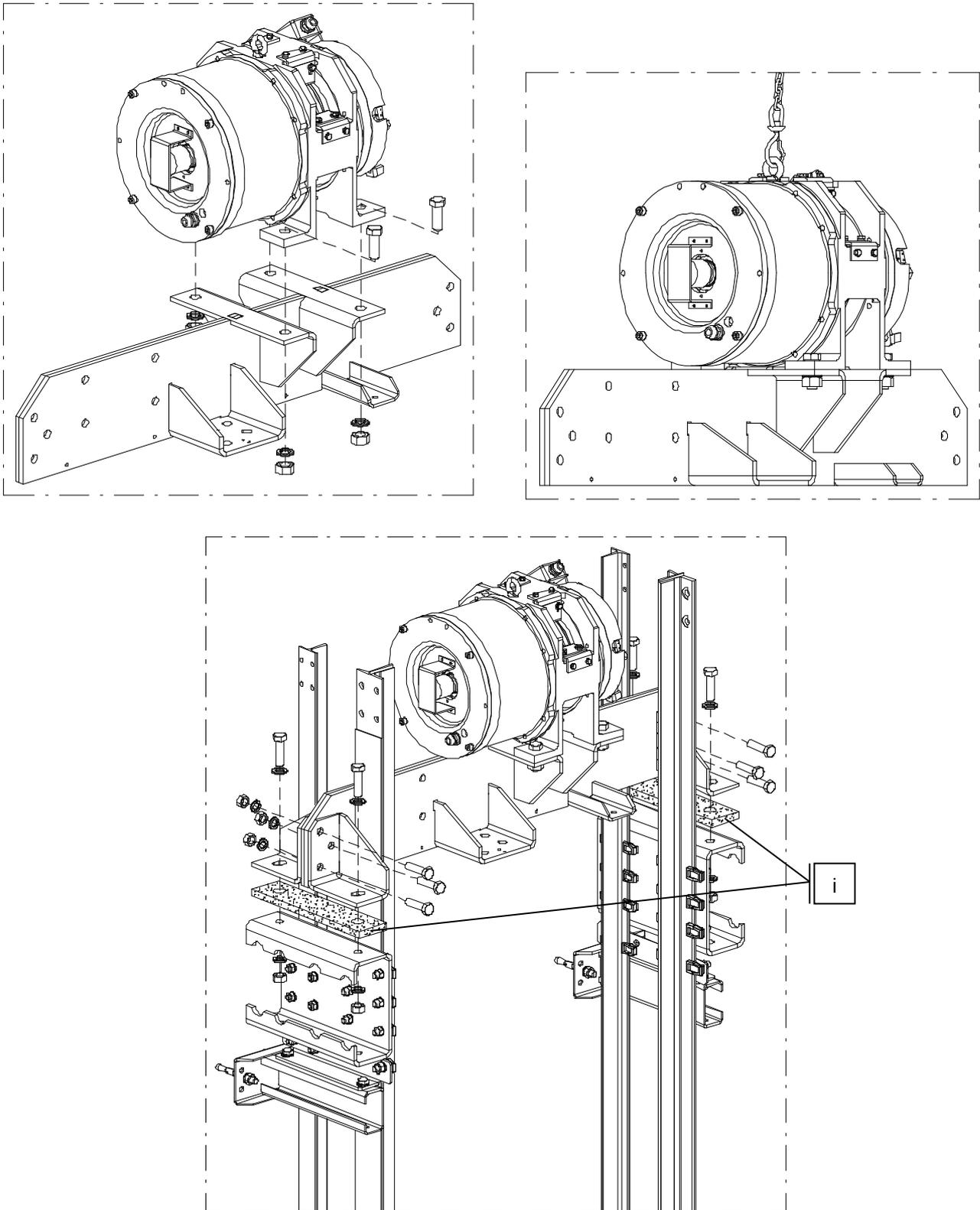
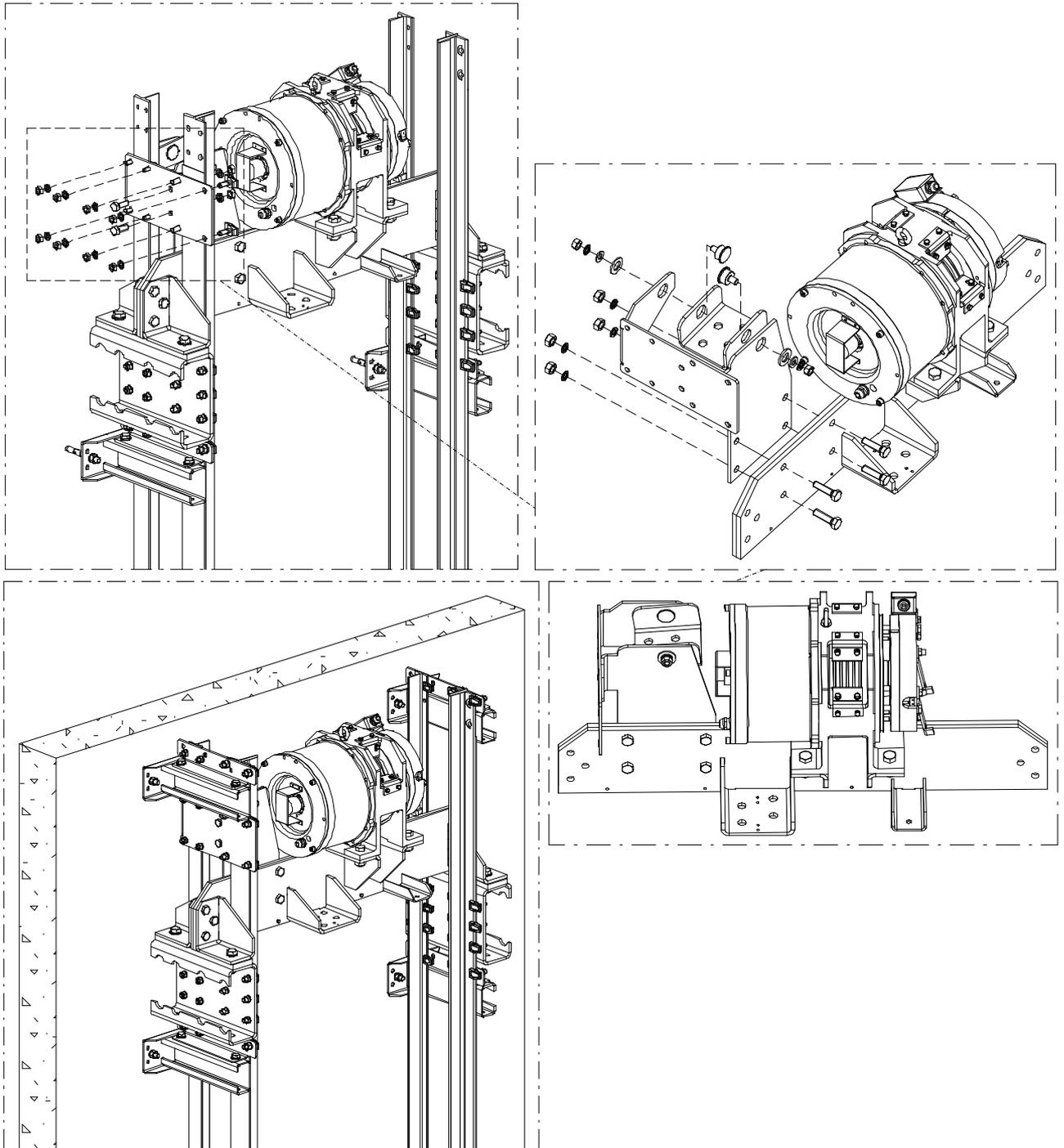


FIGURE 8

- i. Vibration dampers



**FIGURE 9**

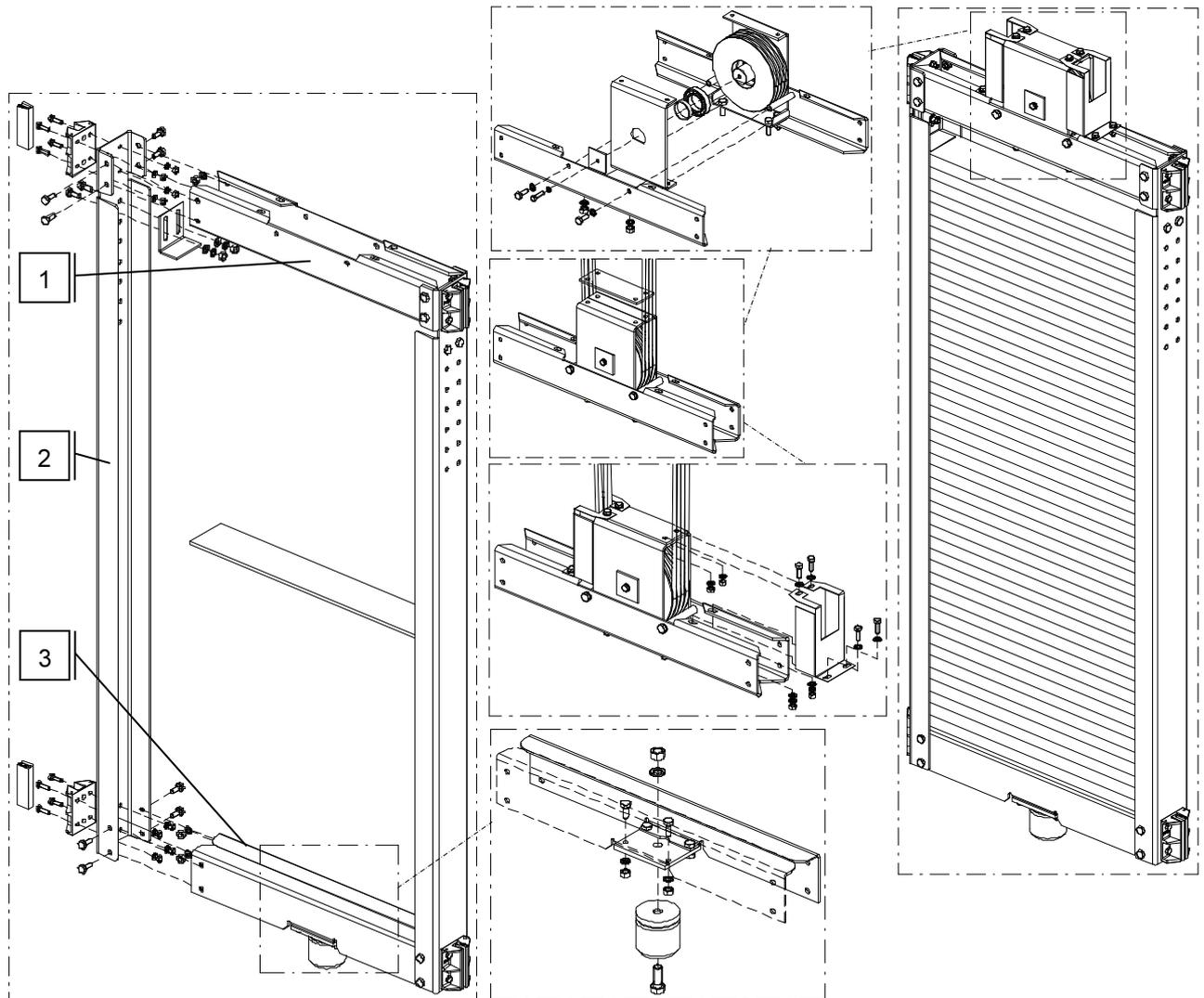
With the machine is delivered a set of:

- 2 plates of elastic rubber 15 mm (i)

The elastic rubbers provide isolation against vibrations. Install them according to FIGURE 8 between the machine bases and the support bases on the guide rails.

**Danger:** Tightening of the screws must be stopped when the 15mm thick rubber becomes 10mm thick.

### 3.5 Assembly and installation of counterweight frame



**FIGURE 10**

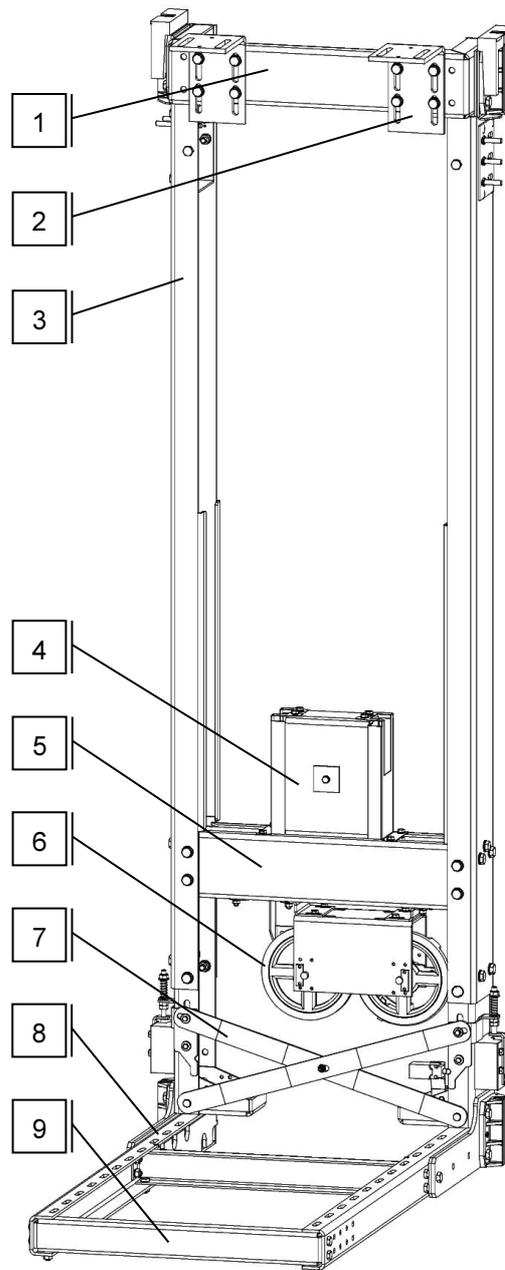
The counterweight frame is consisted of three main parts:

1. Upper cross beam : In the upper cross beam there is the counterweight frame's diverting pulley
2. Counterweight side beams: connecting the upper with the lower cross beam and above them are placed the sliding shoes.

The counterweight fillers are placed between the side beams and are secured with the use of two brackets.

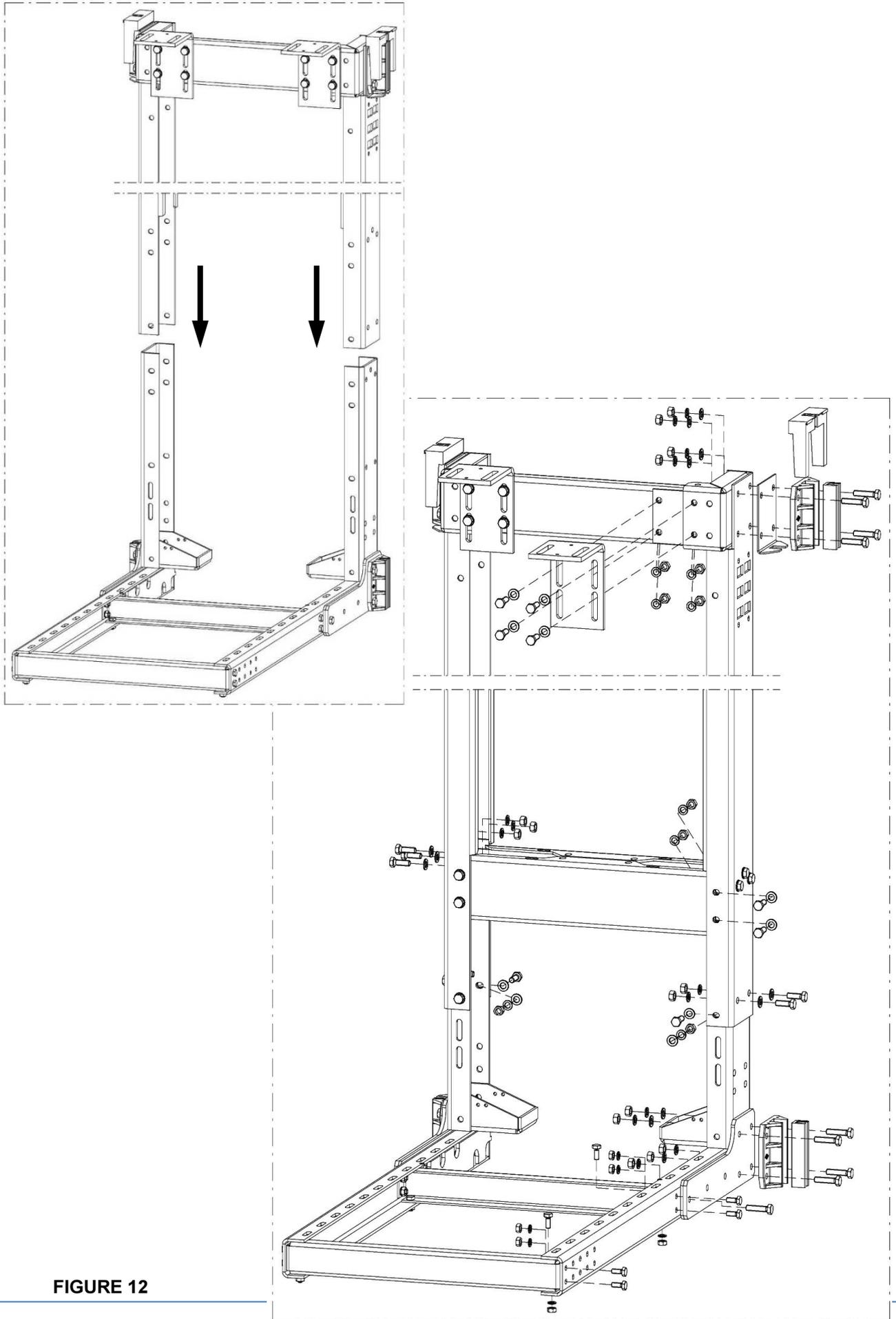
3. Lower cross beam : consists of two parts
- Assembly of the counterweight frame must be done within the counterweight guide rails.
  - Install with the following order: first the lower cross beam, secondly the two side beams and lastly the upper cross beam.

### 3.6 Assembly of car frame



**FIGURE 11**

1. Upper cross beam
2. Car-Car frame fixing brackets (upper beam)
3. Side beam
4. Diverting pulley
5. Central suspension beam
6. Overspeed governor
7. Safety gear activation system
8. Rucksack
9. Front side beam



**FIGURE 12**

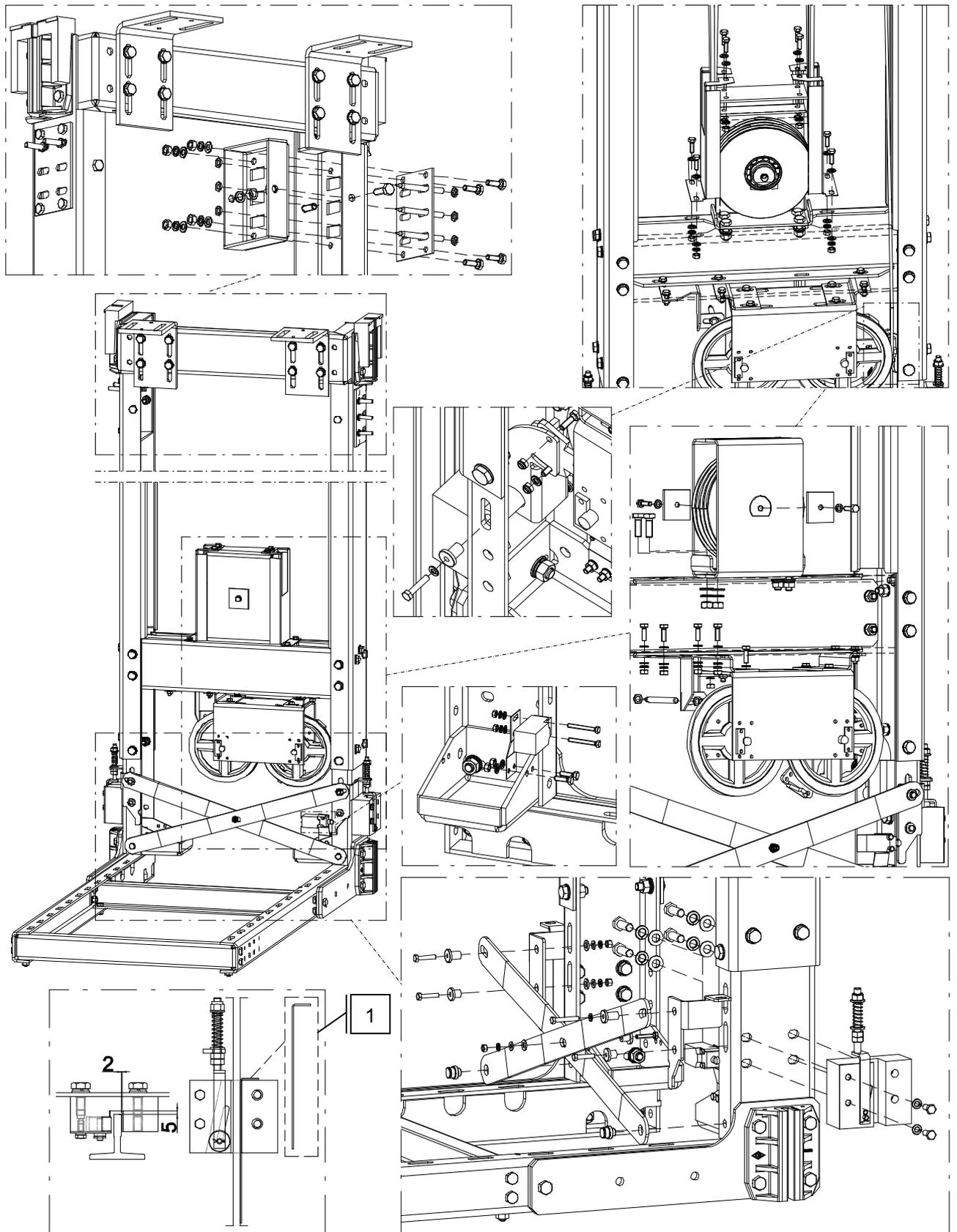
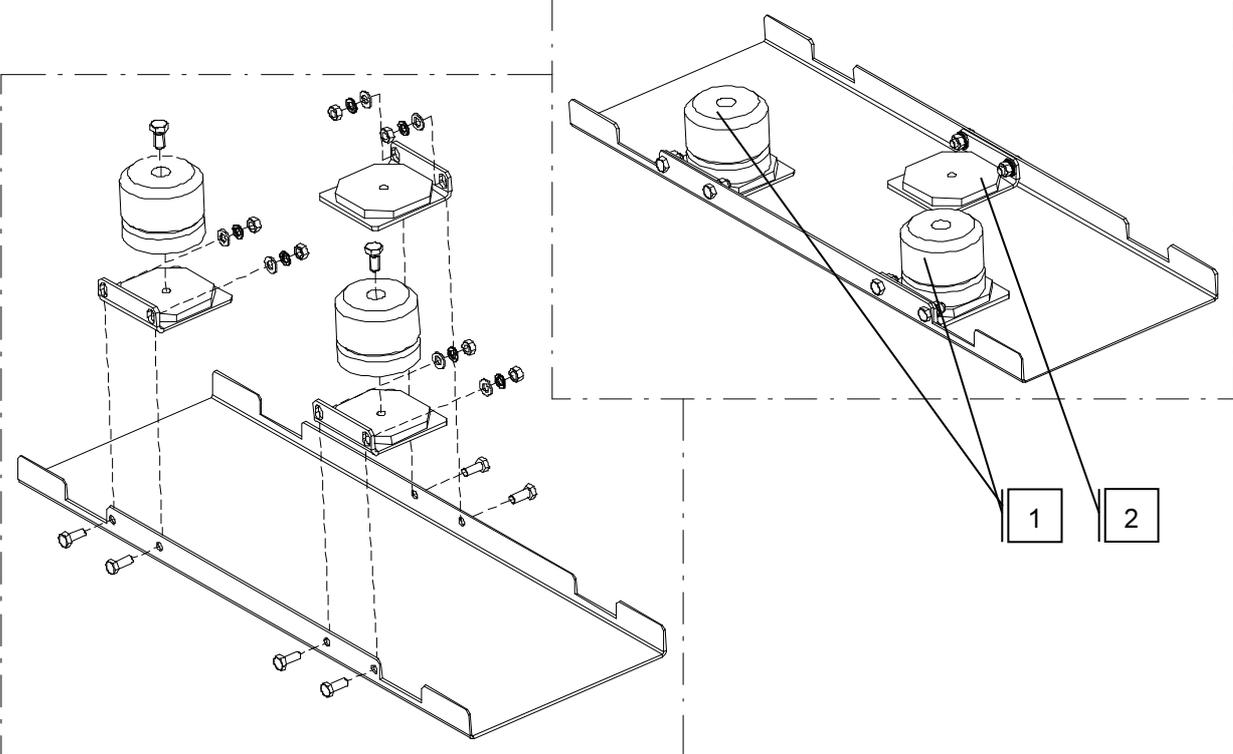


FIGURE 13

1. Safety gear adjustment plate

3.7 Installation of car buffers and counterweight buffer base

FIGURE 14



- 1. Car buffers
- 2. Counterweight buffer base.

### 3.8 Rope attachment

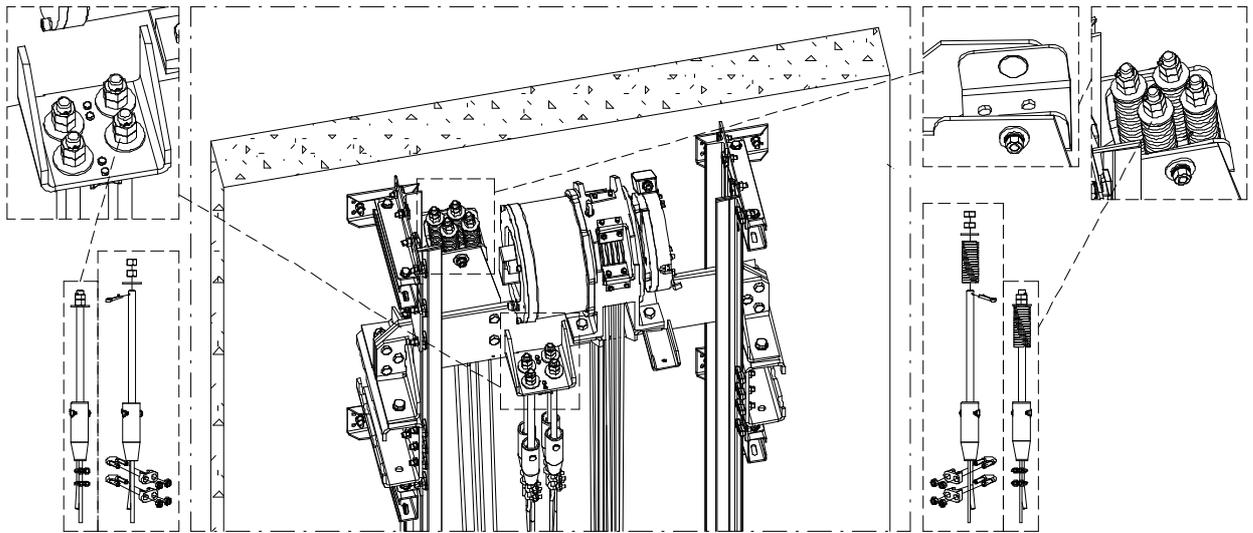


FIGURE 15

**Caution:** The spring on the wedge sockets are placed only at the side of the counterweight frame.

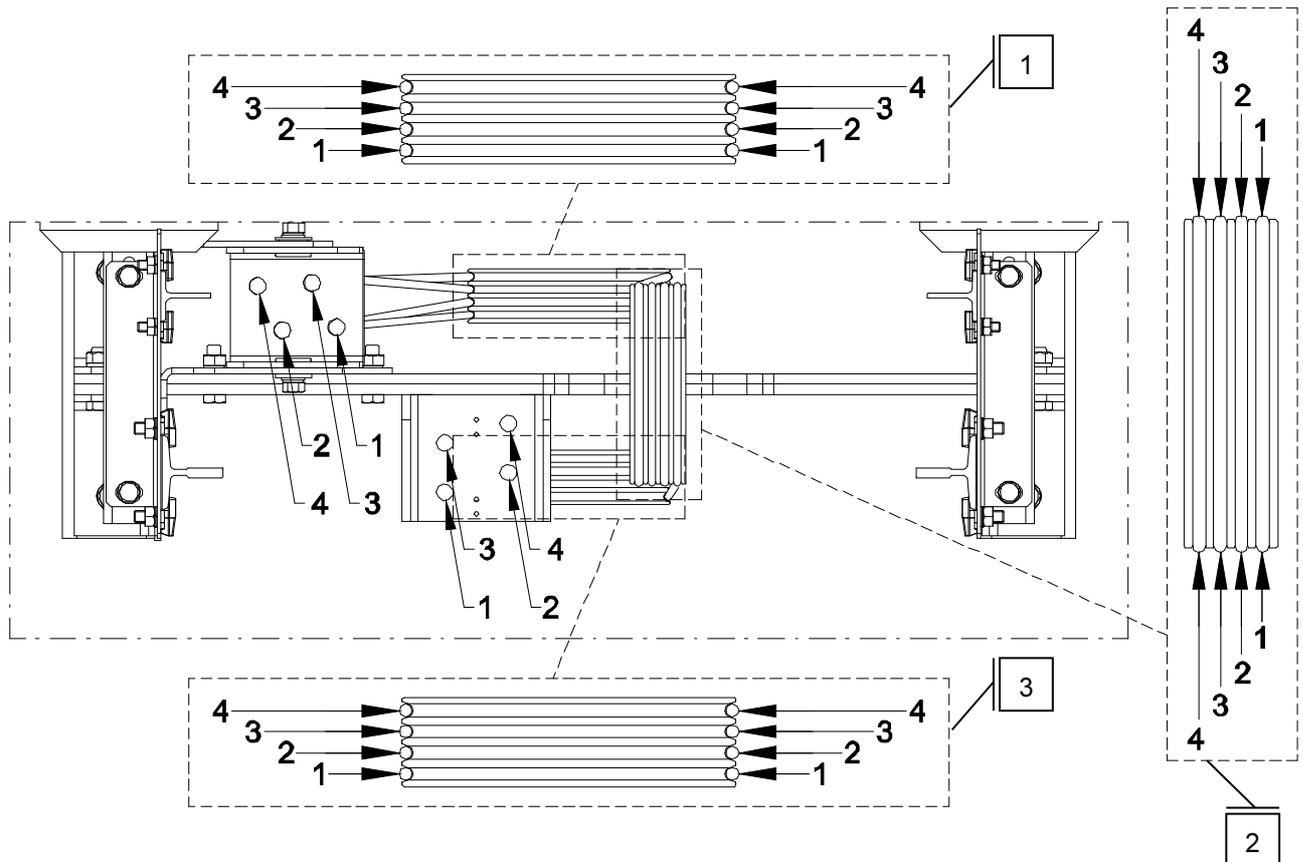


FIGURE 16

1. Counterweight frame diverting pulley.
2. Traction sheave.
3. Car frame diverting pulley.

### 3.9 Installation of overspeed governor

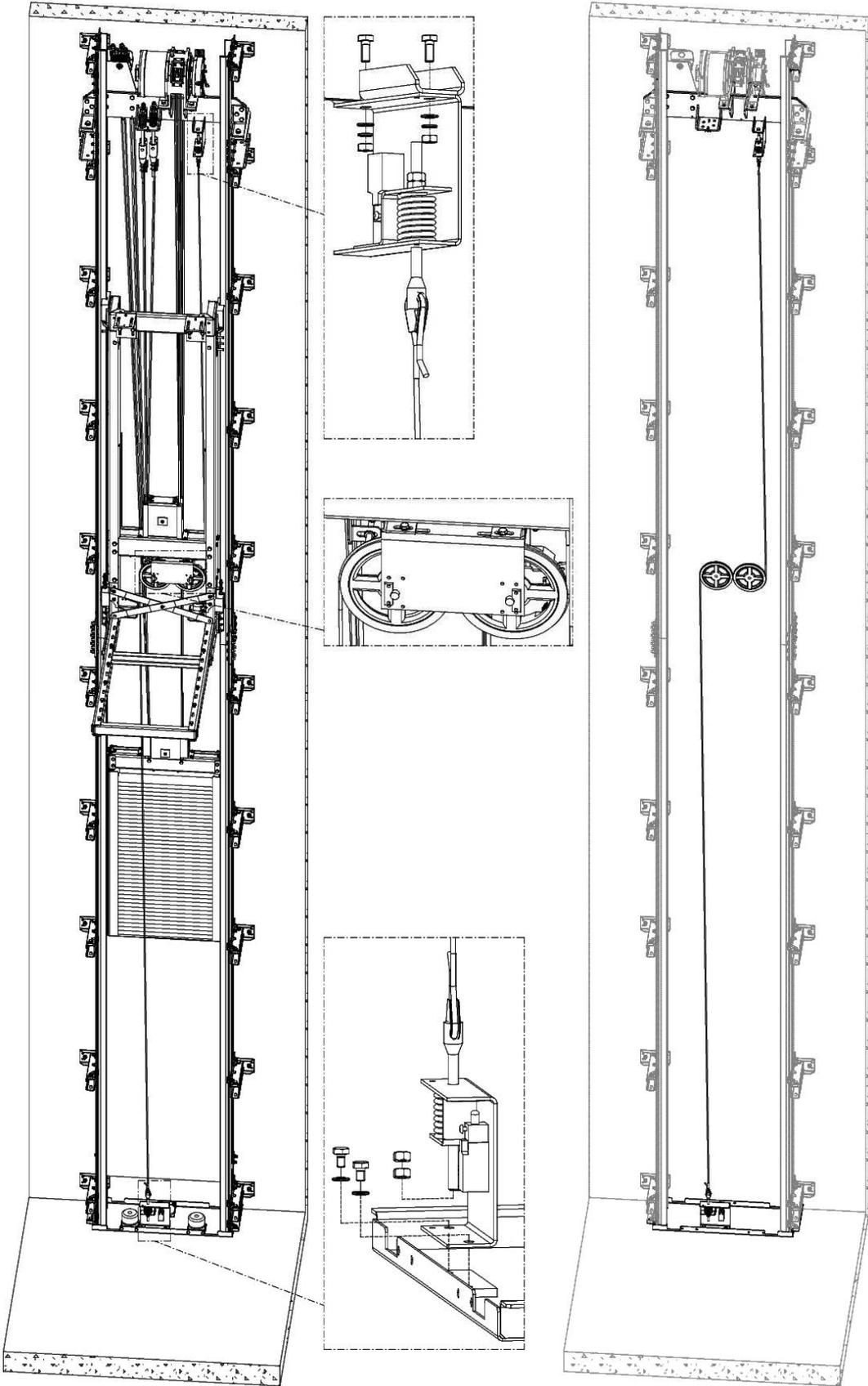


FIGURE 17

### 3.10 Installation of cams, limit switches, maintenance security system and car frame fixing

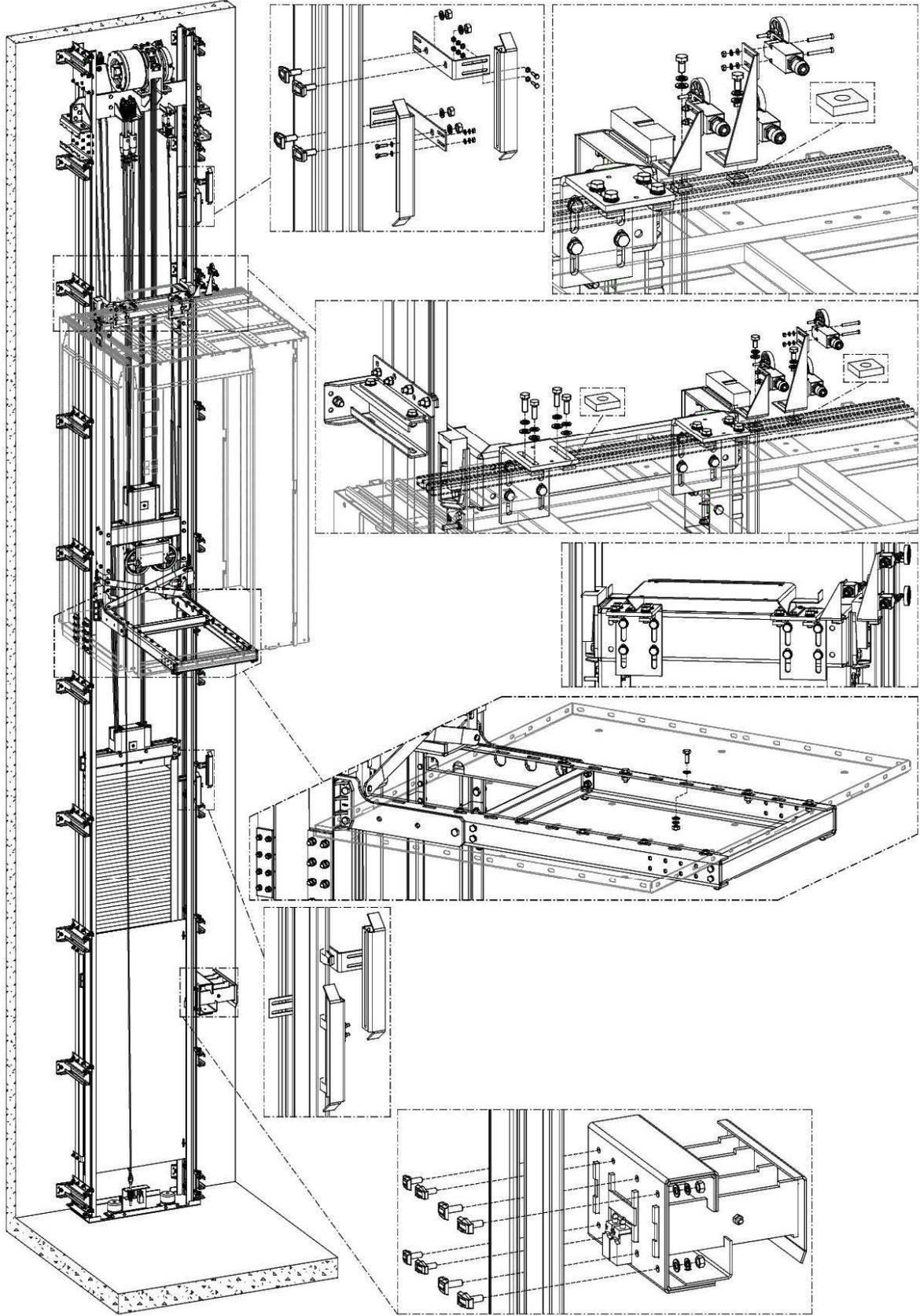


FIGURE 18

### 3.11 Installation of controller cabinet

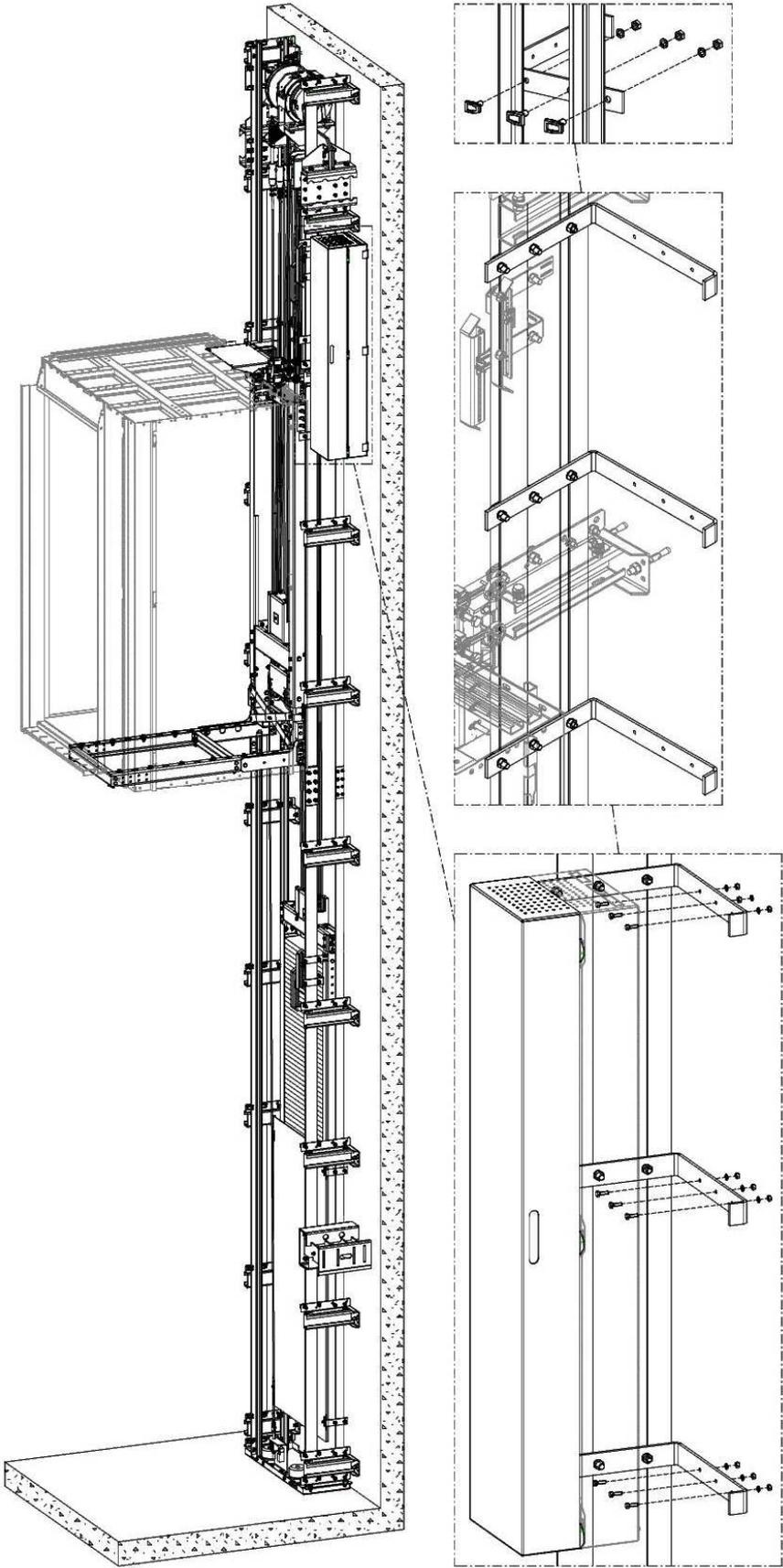


FIGURE 19

### 3.12 Installation of counterweight screen

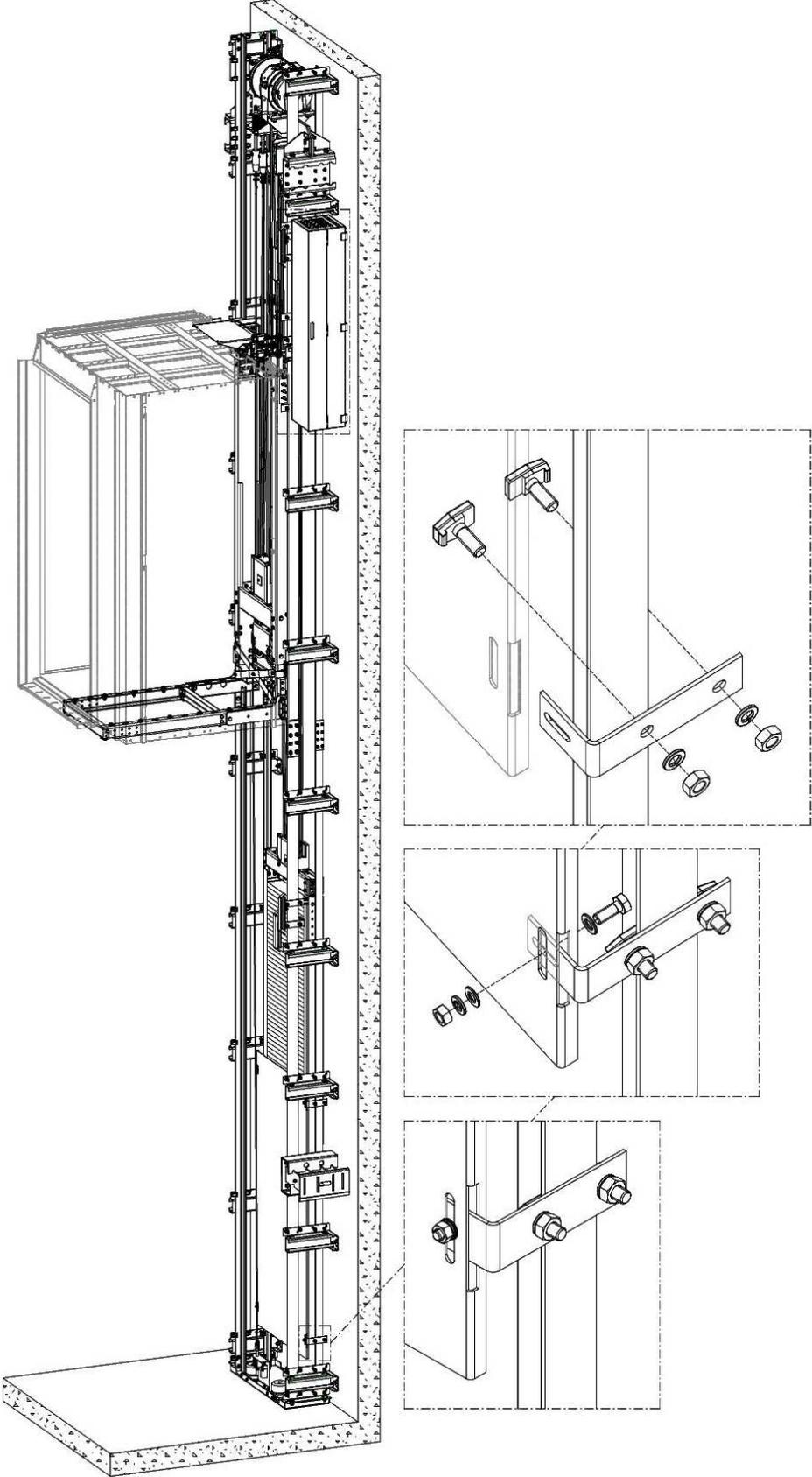


FIGURE 20

### 3.13 Installation of electronic overload device

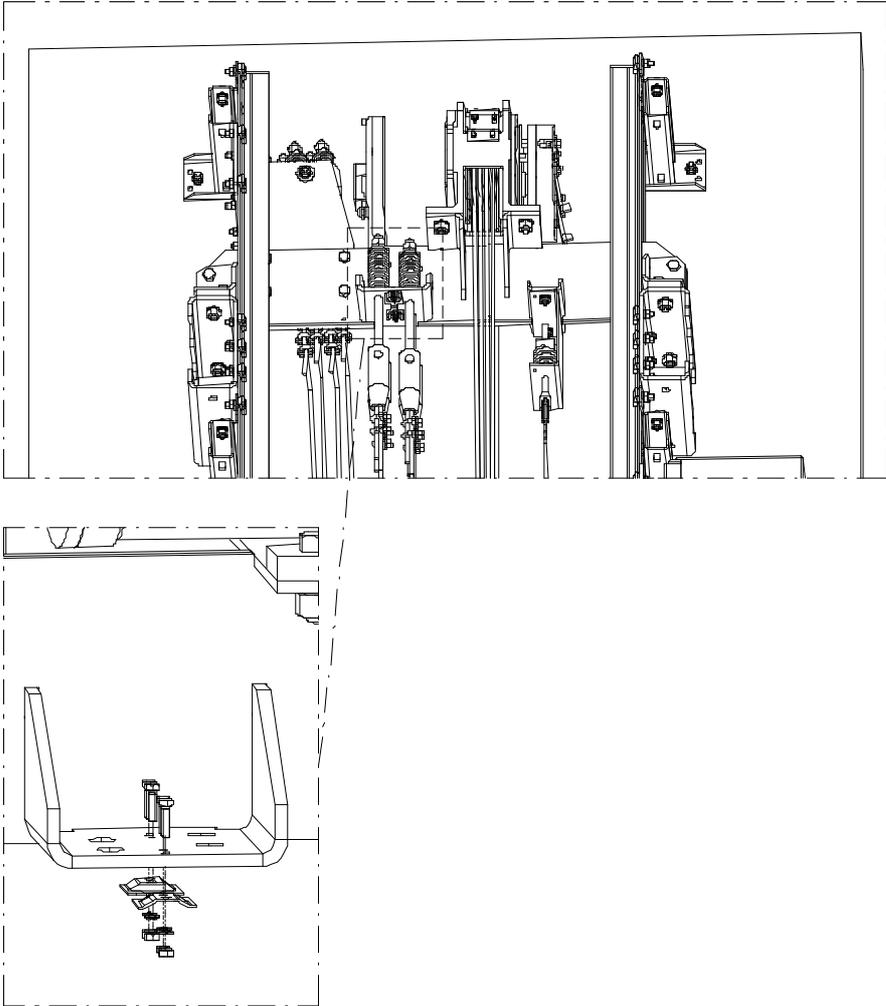


FIGURE 21