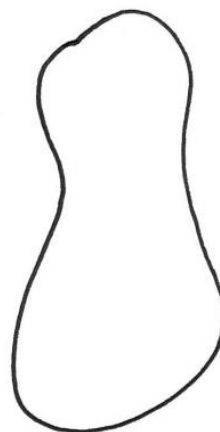


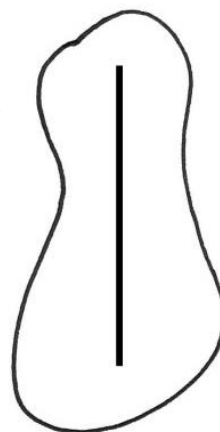
© Ergon

Structural Concept

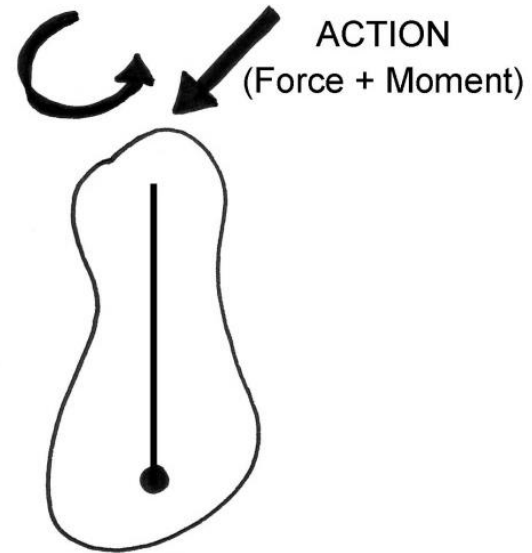
Structural language of symbols



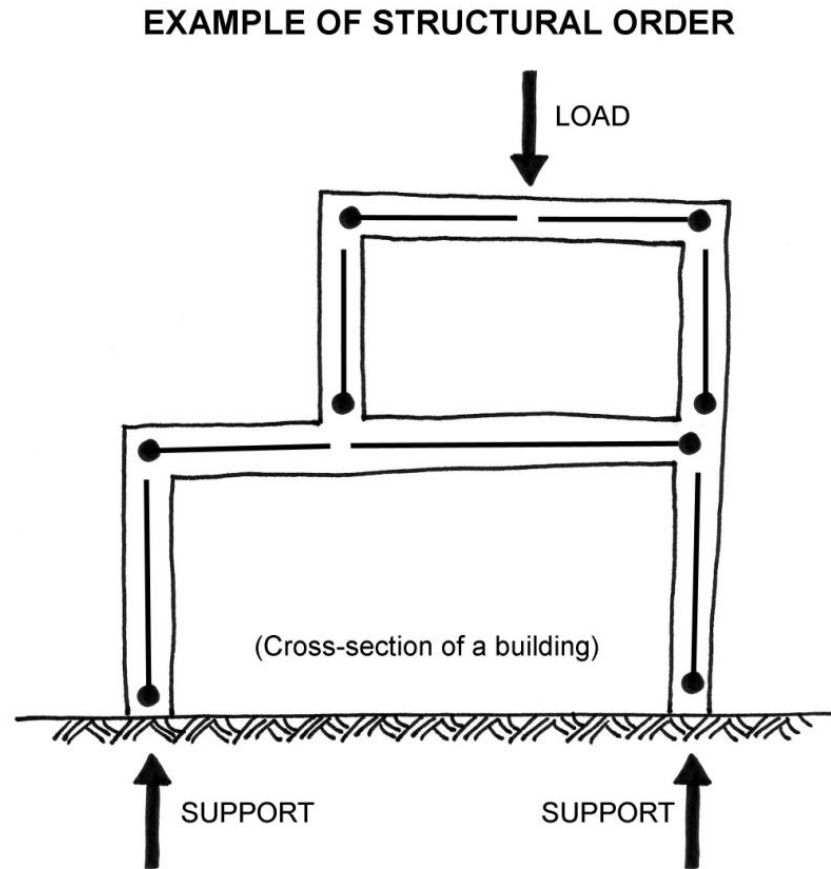
Structural language of symbols



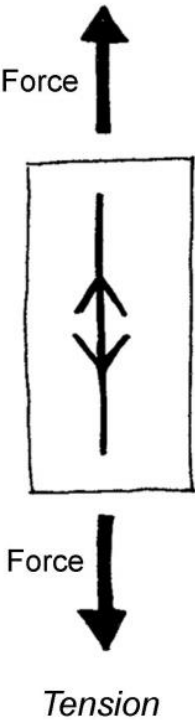
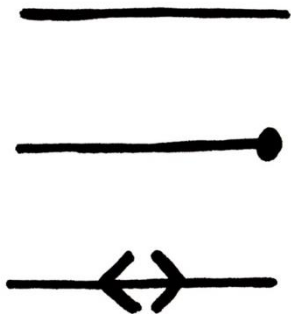
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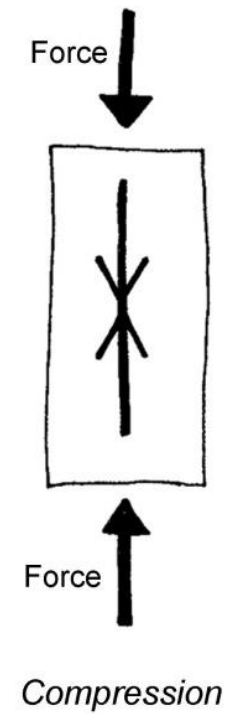
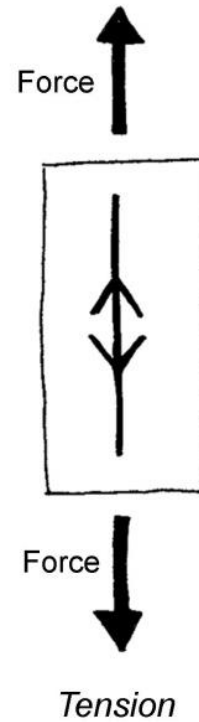
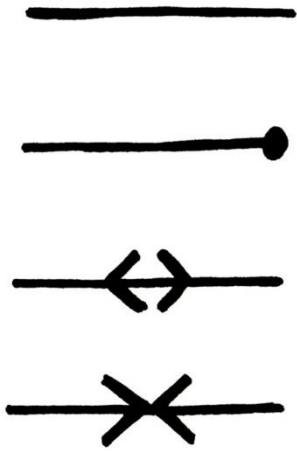
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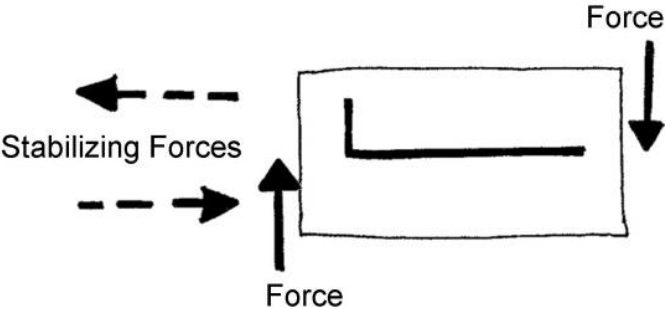
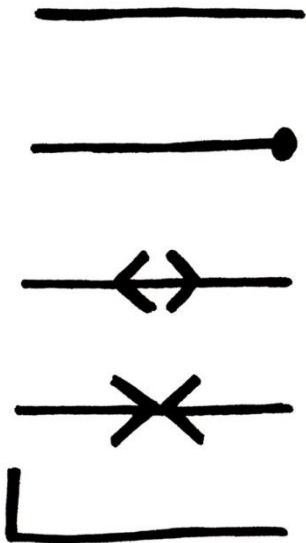
Structural language of symbols



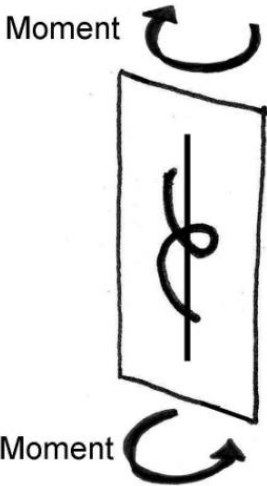
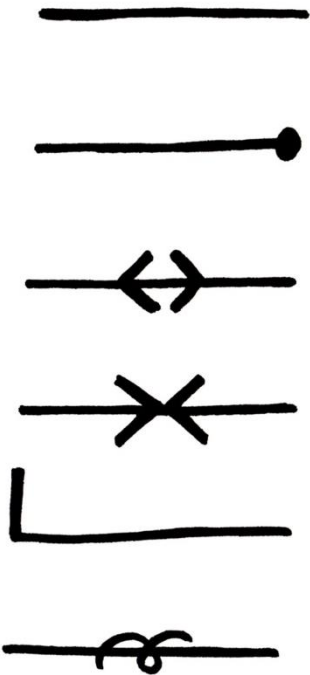
Structural language of symbols



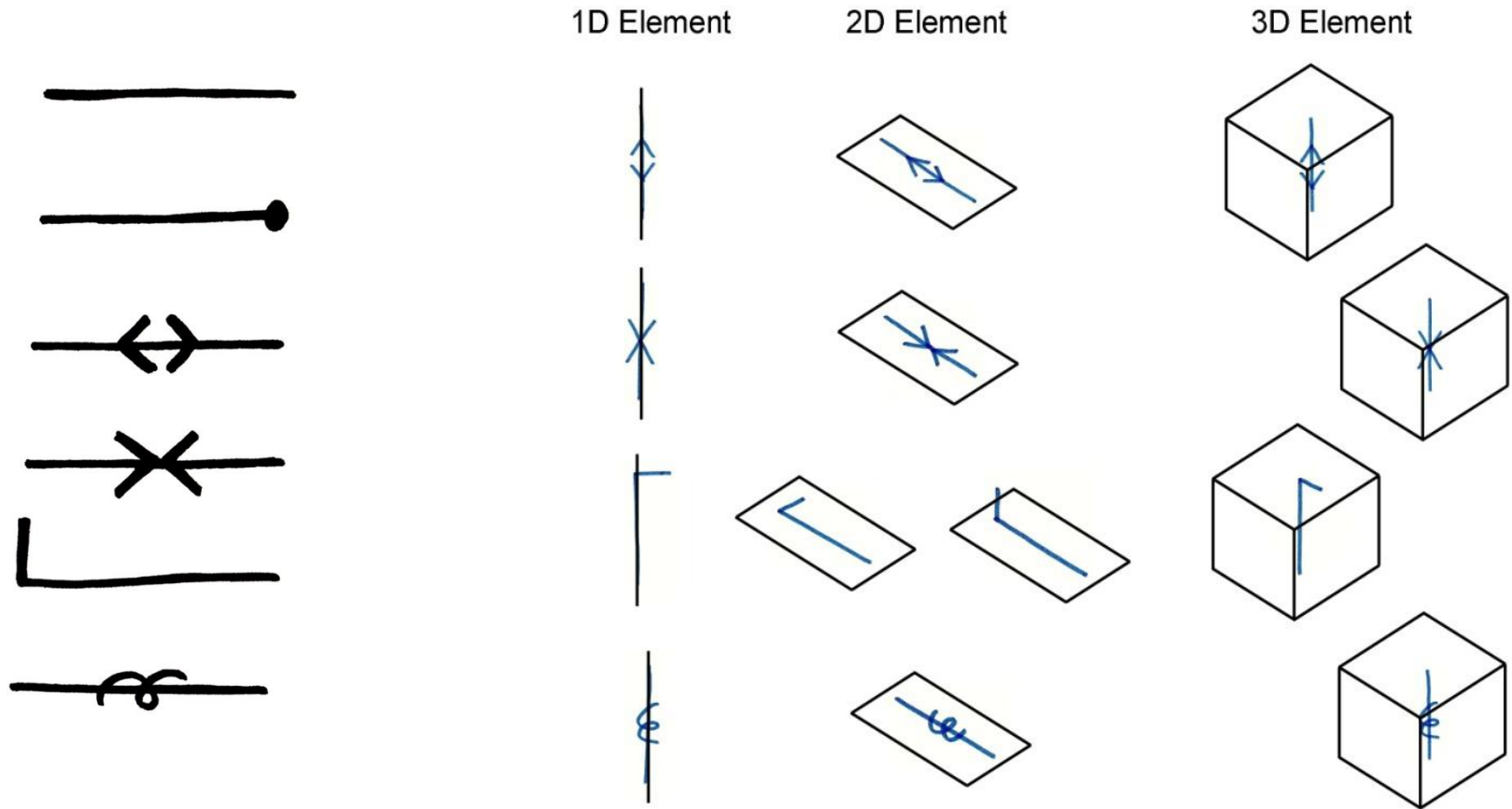
Structural language of symbols

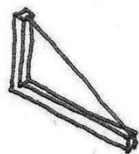


Structural language of symbols

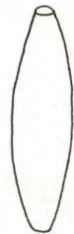


Structural language of symbols





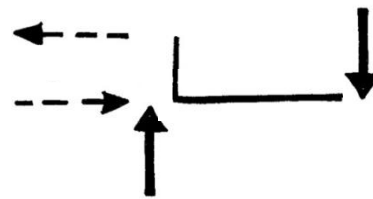
$N < 0$



$N > 0$



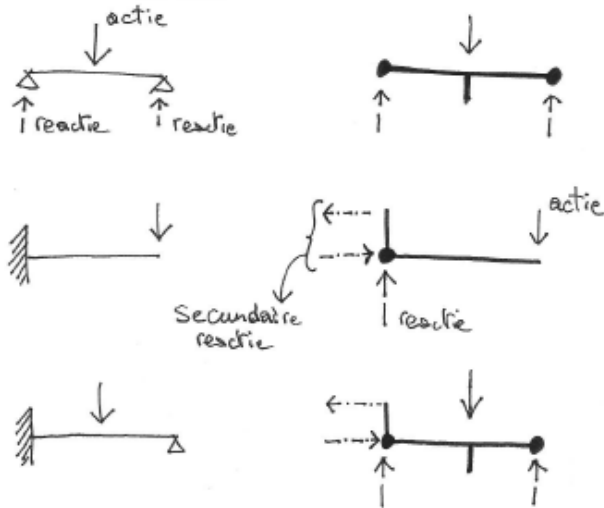
M



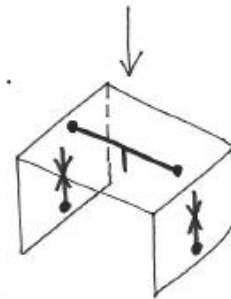
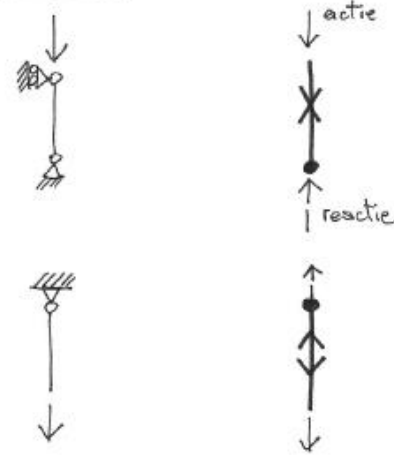
Symbolen nieuwe structuurtaal

- : geeft aan waar waar de (actie) last zich verplaatst.
- | : geeft aan waar het grootste buigmoment te verwachten valt. De | wordt uitgeret aan de kant waar de trekspanningen te verwachten zijn.
- X : geeft aan dat het structureel element samengetrokken wordt.
- ◇ : geeft aan dat het structureel element uitgetrokken wordt.
- m : geeft aan dat het structureel element getorst wordt.

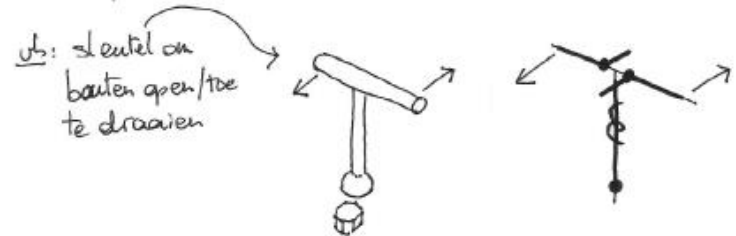
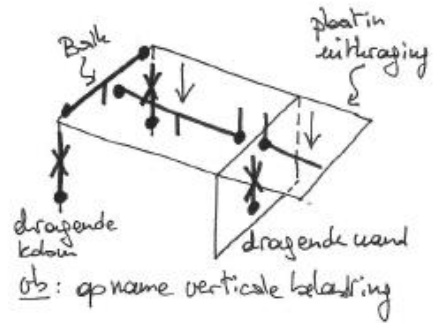
Voorbeelden I

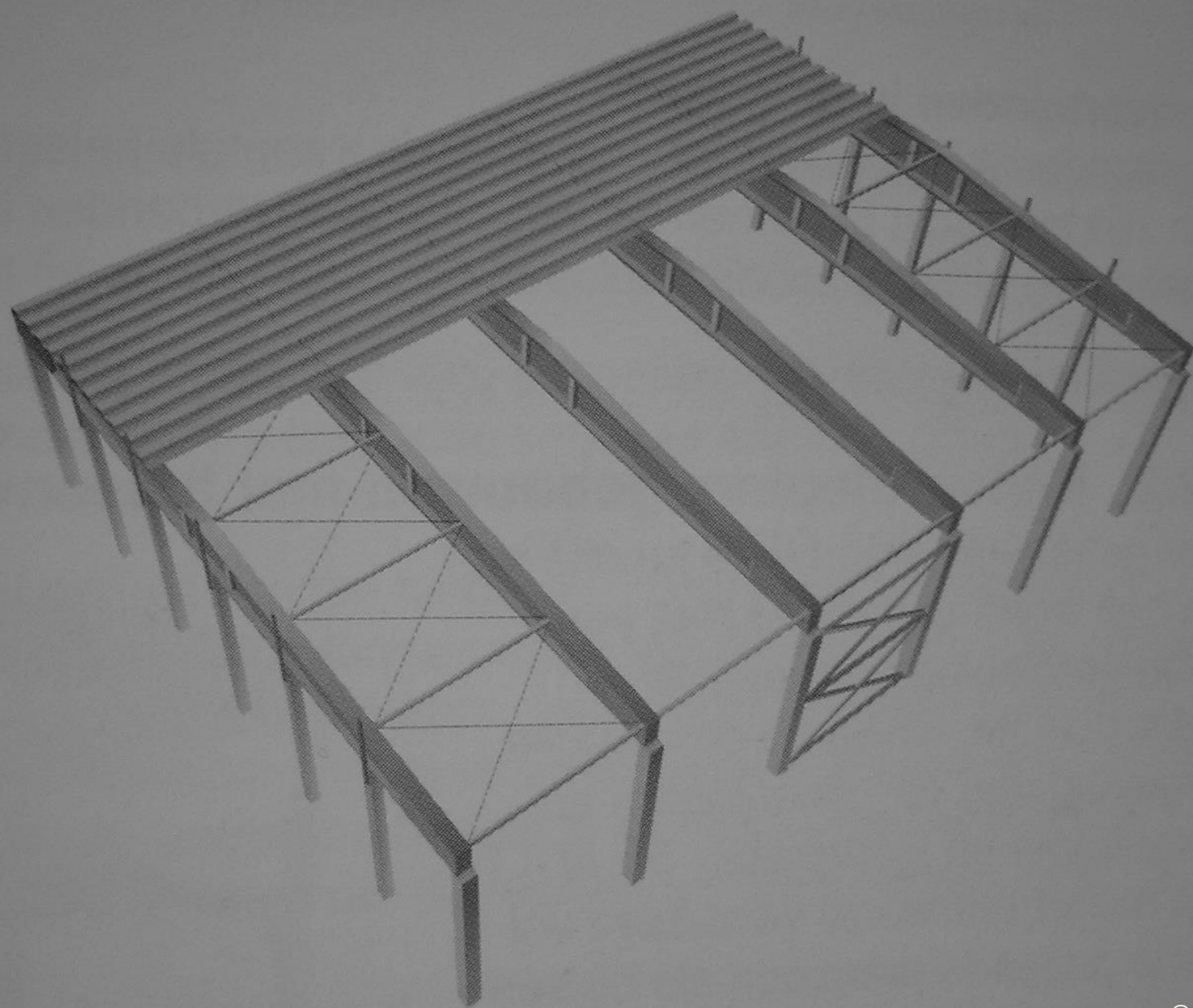


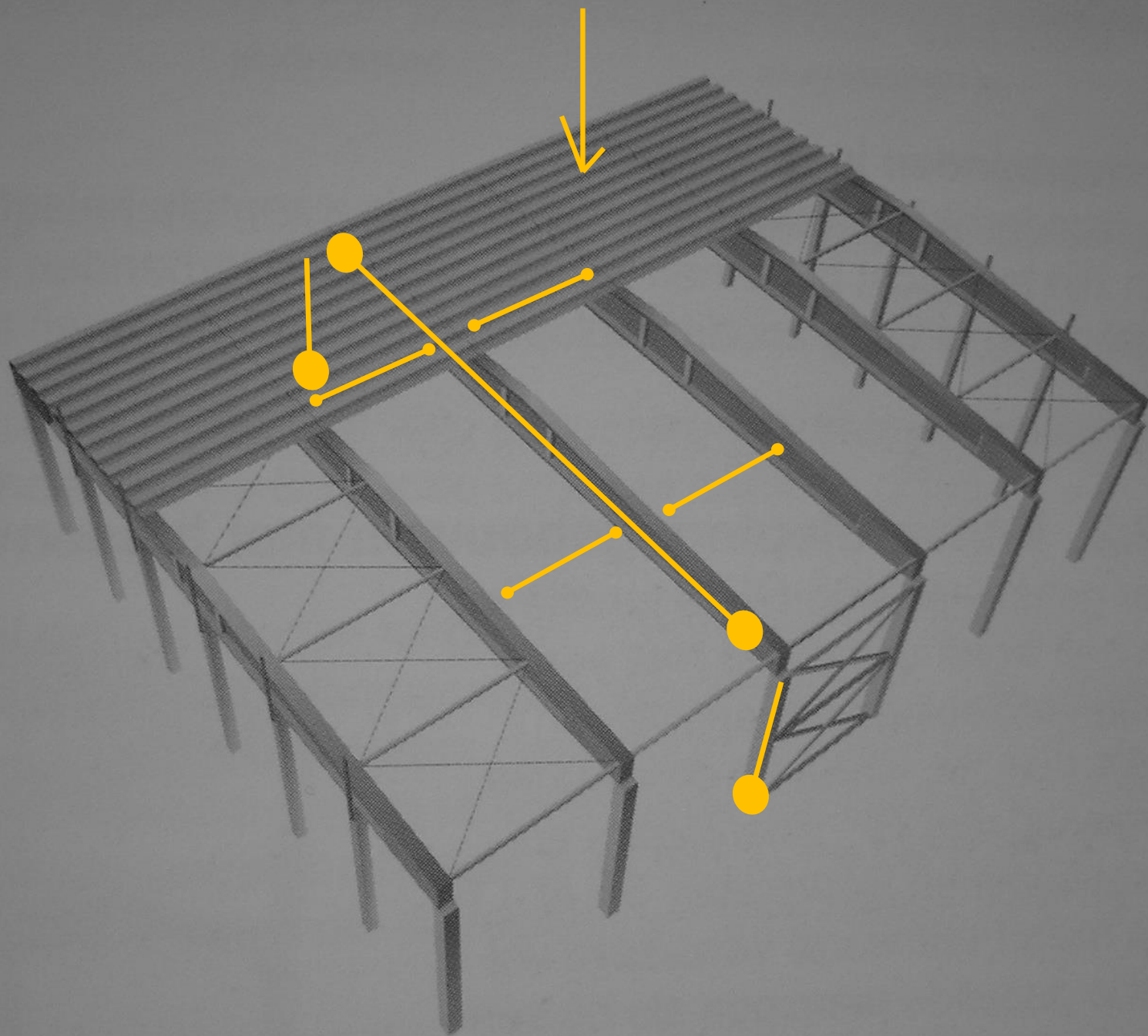
Voorbeeld II

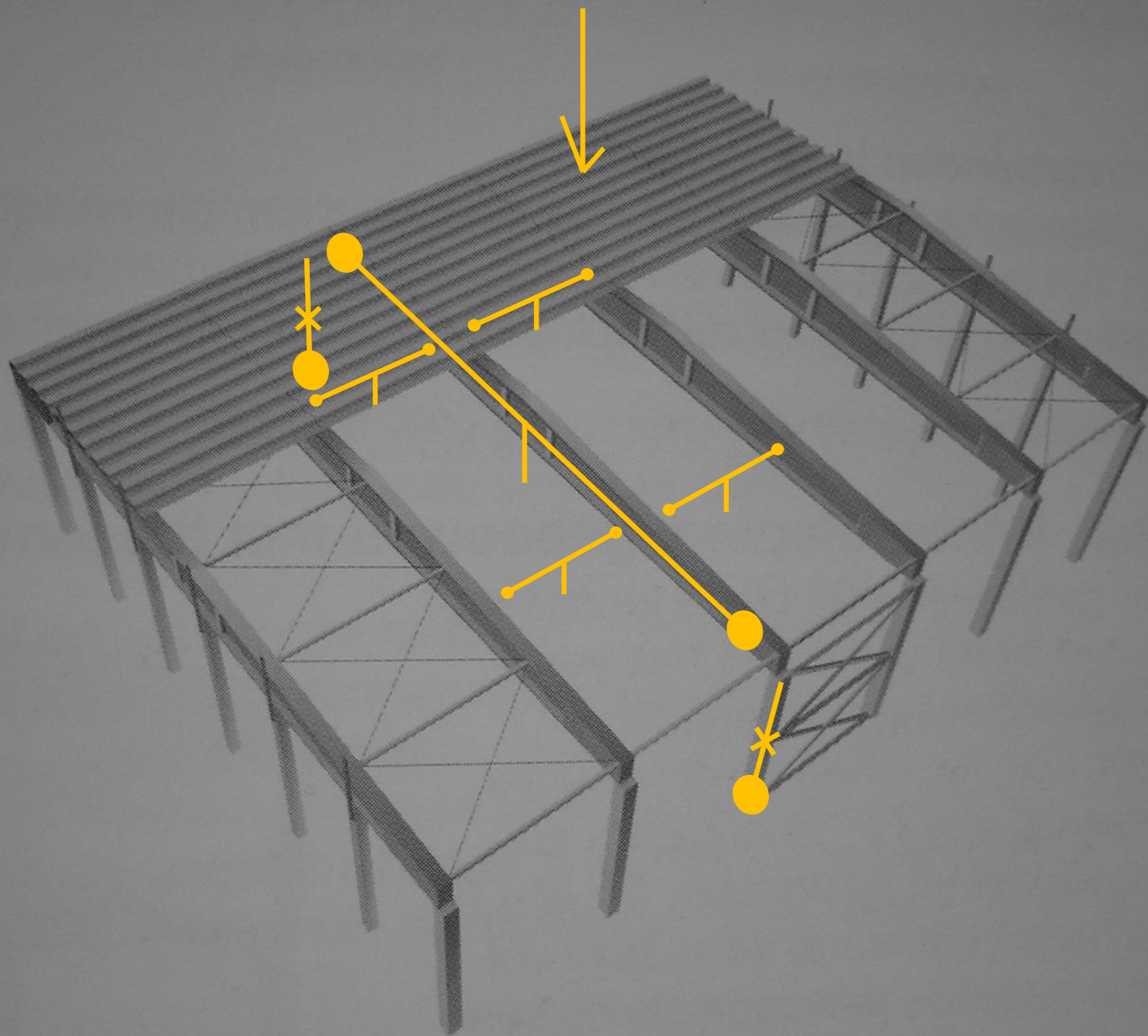


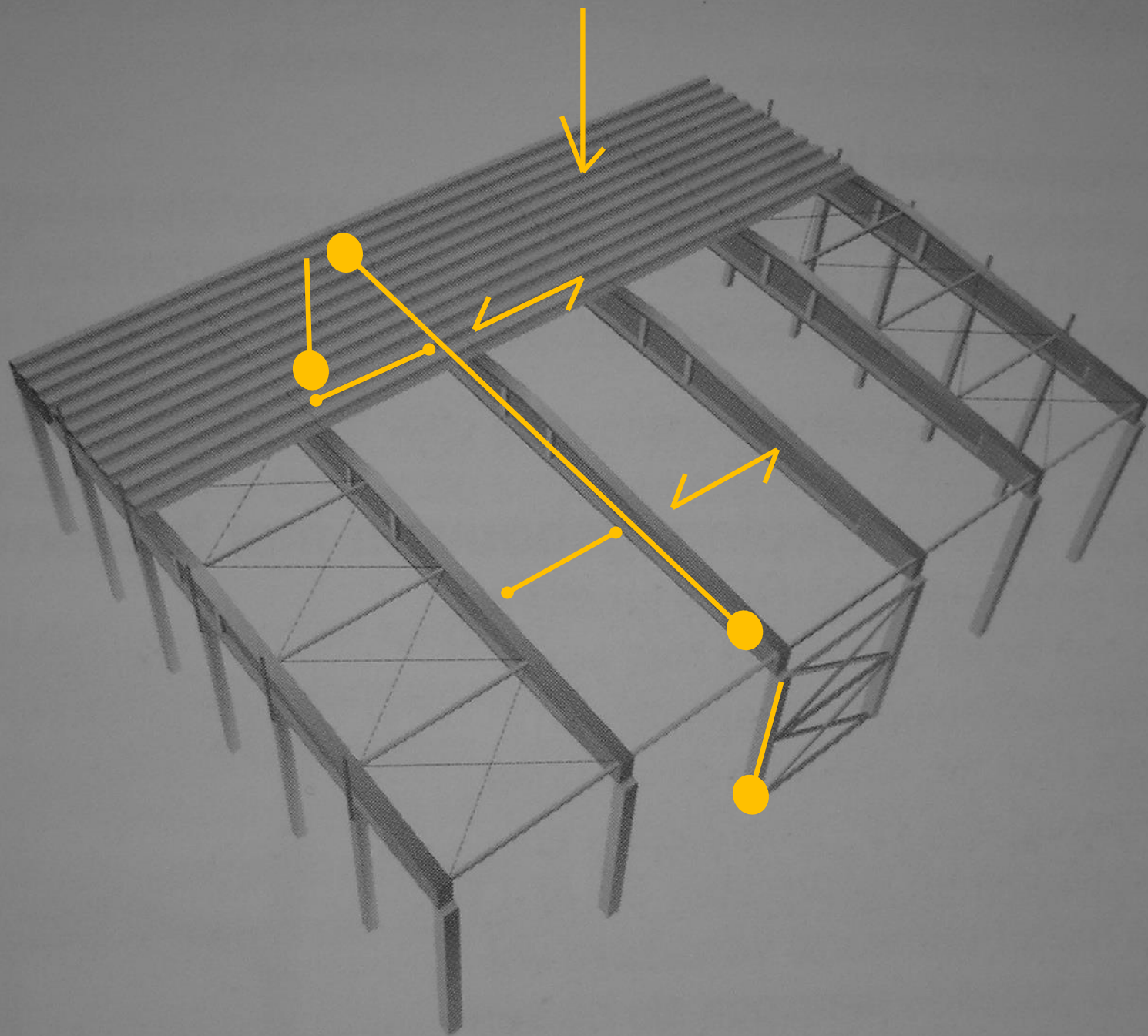
vb: vloerplaat steunend op 2 wanden

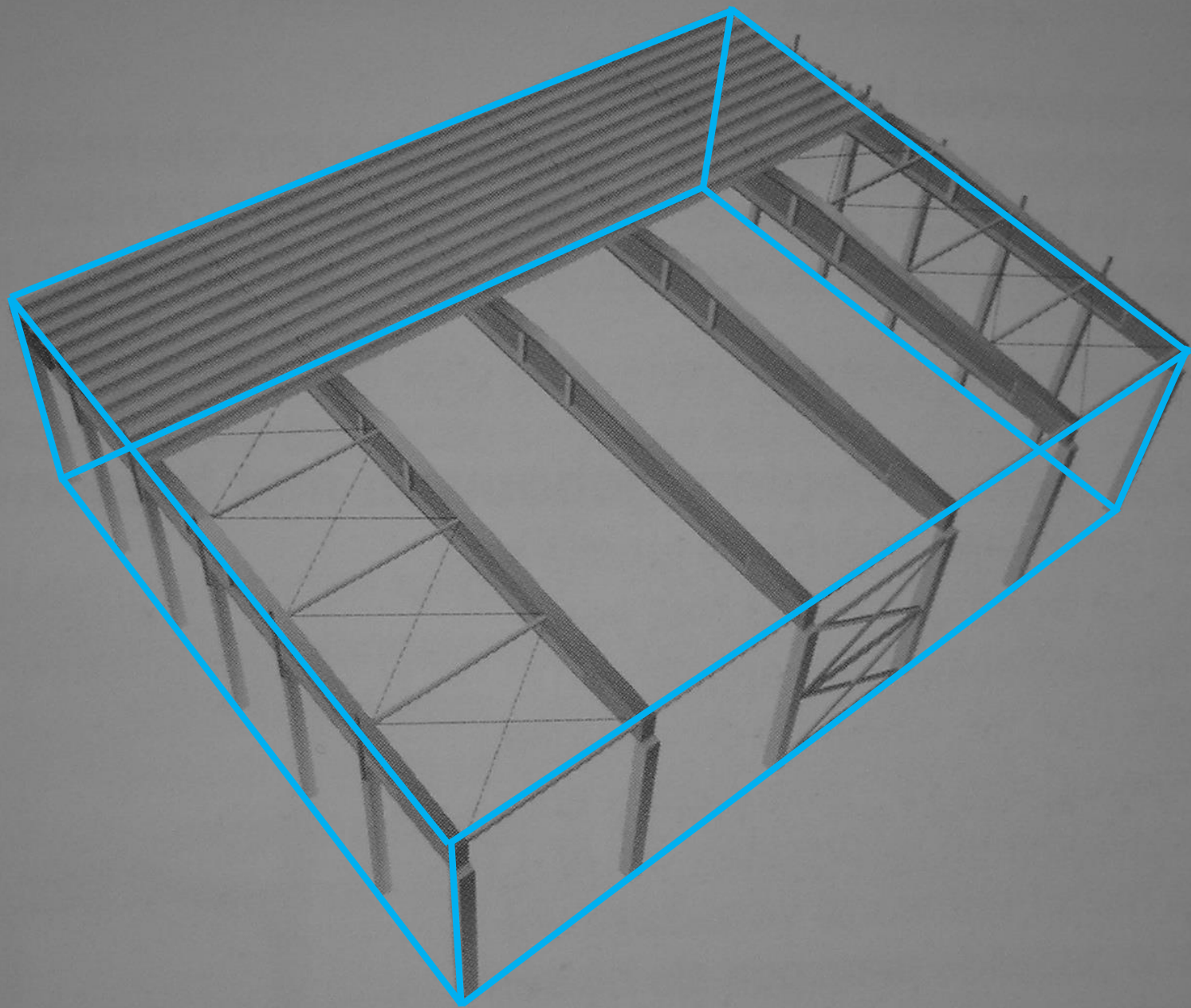


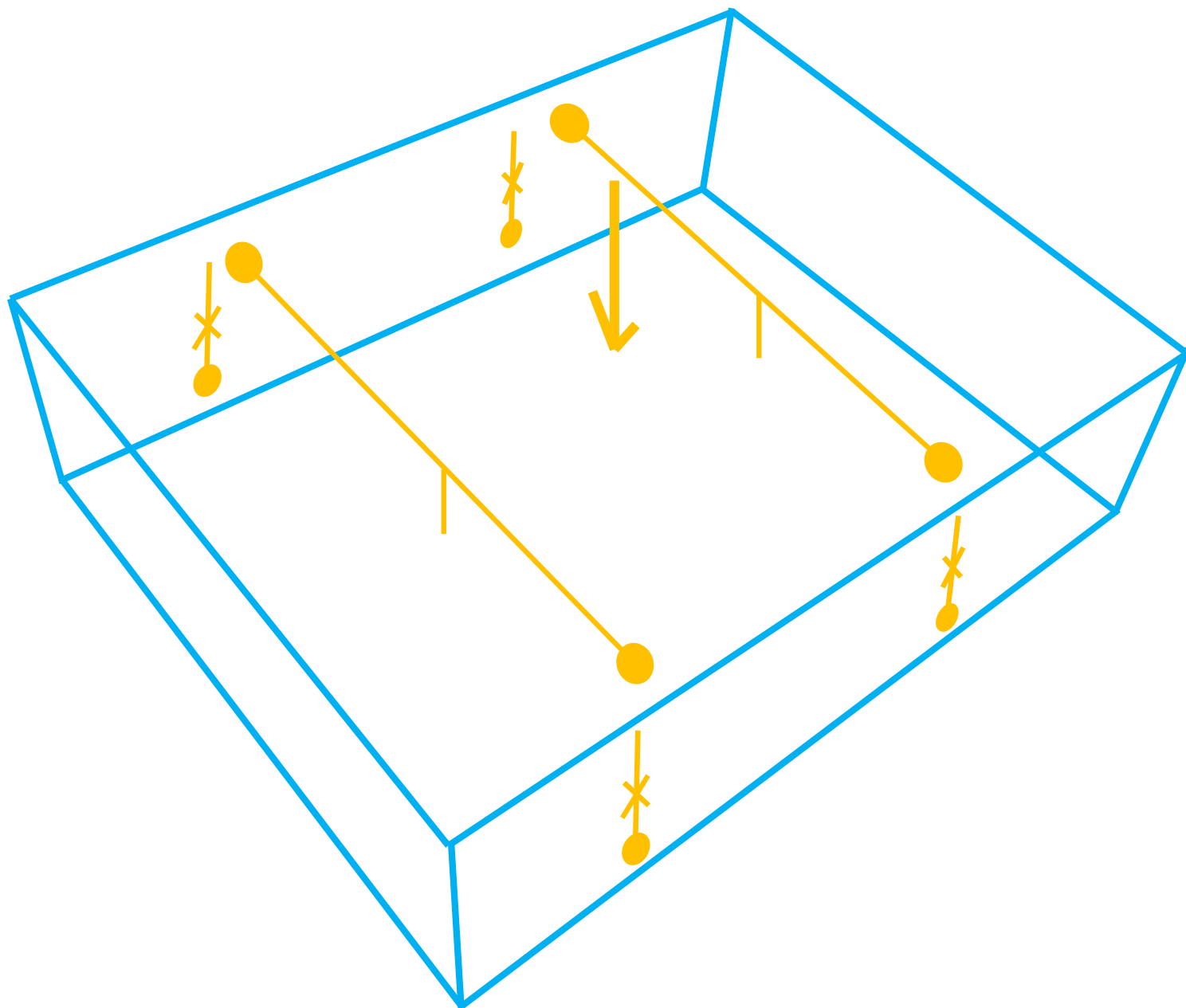


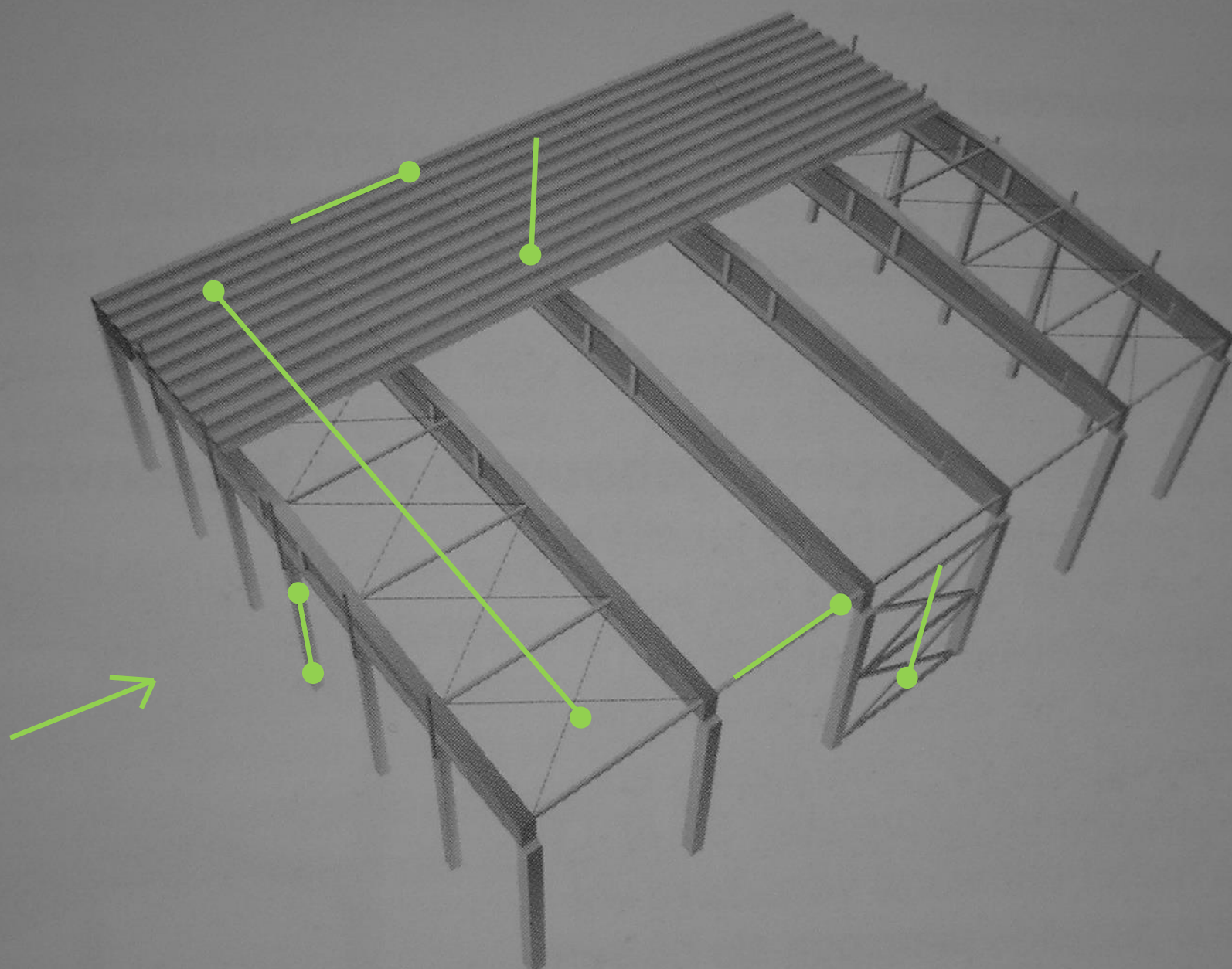


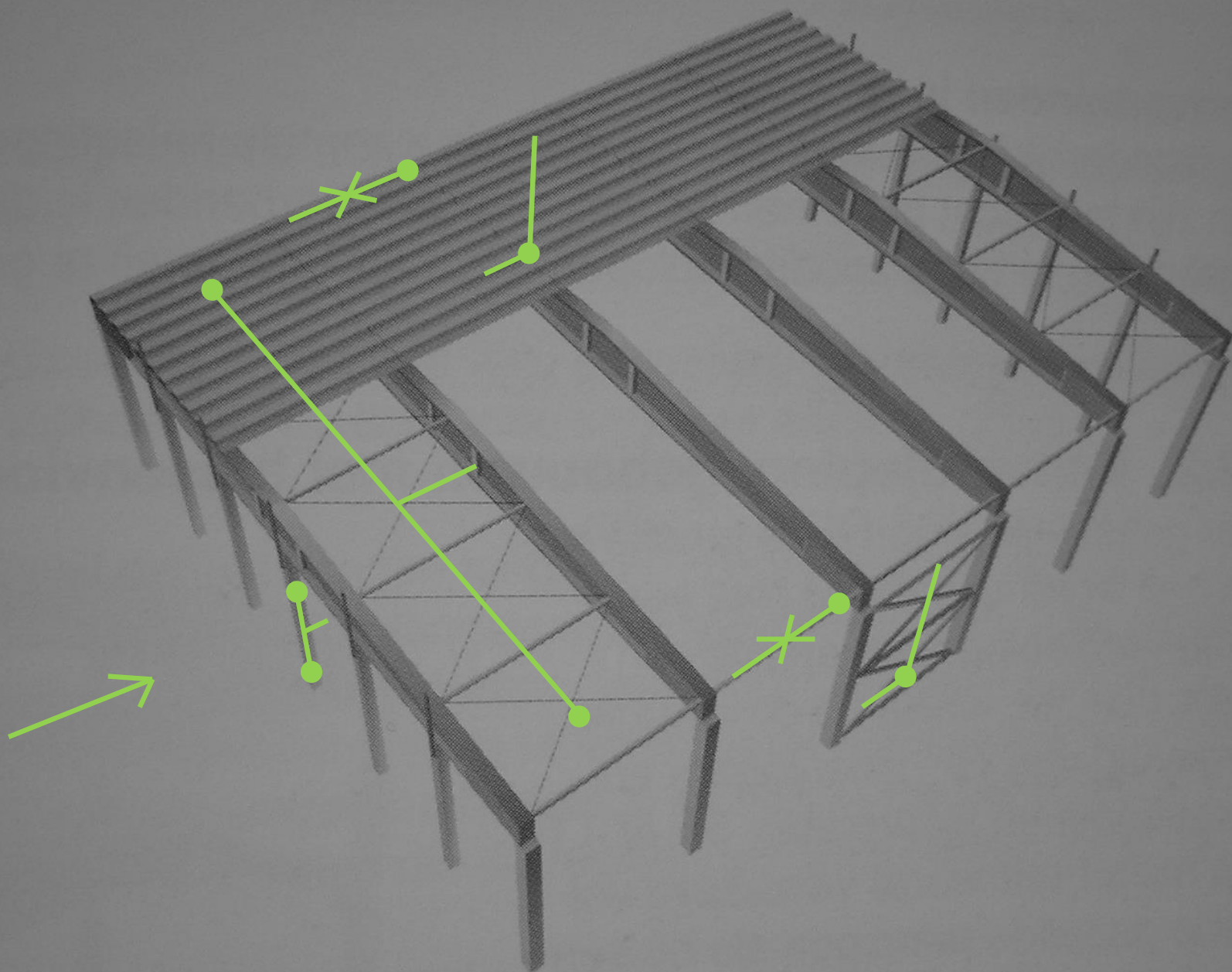


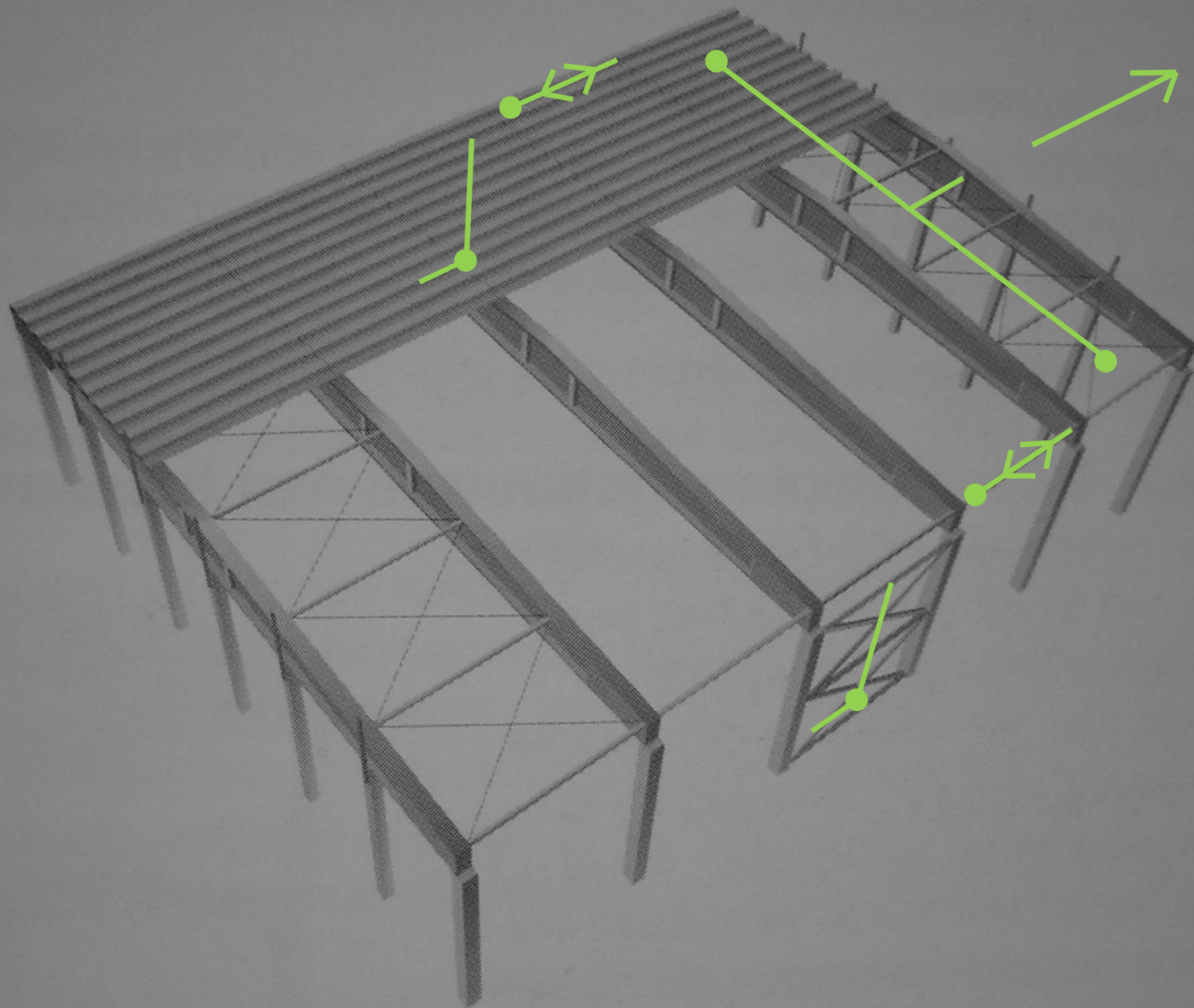


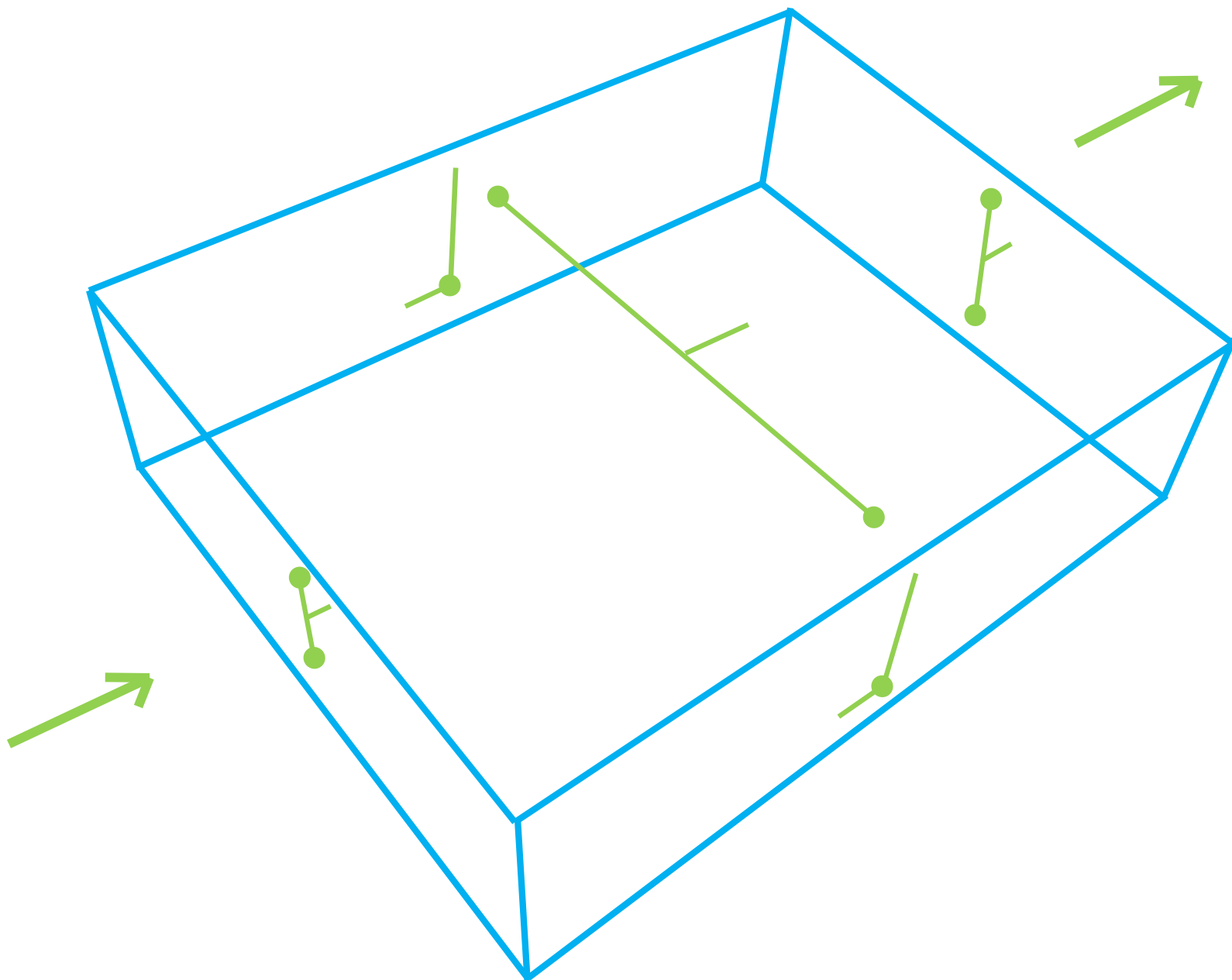


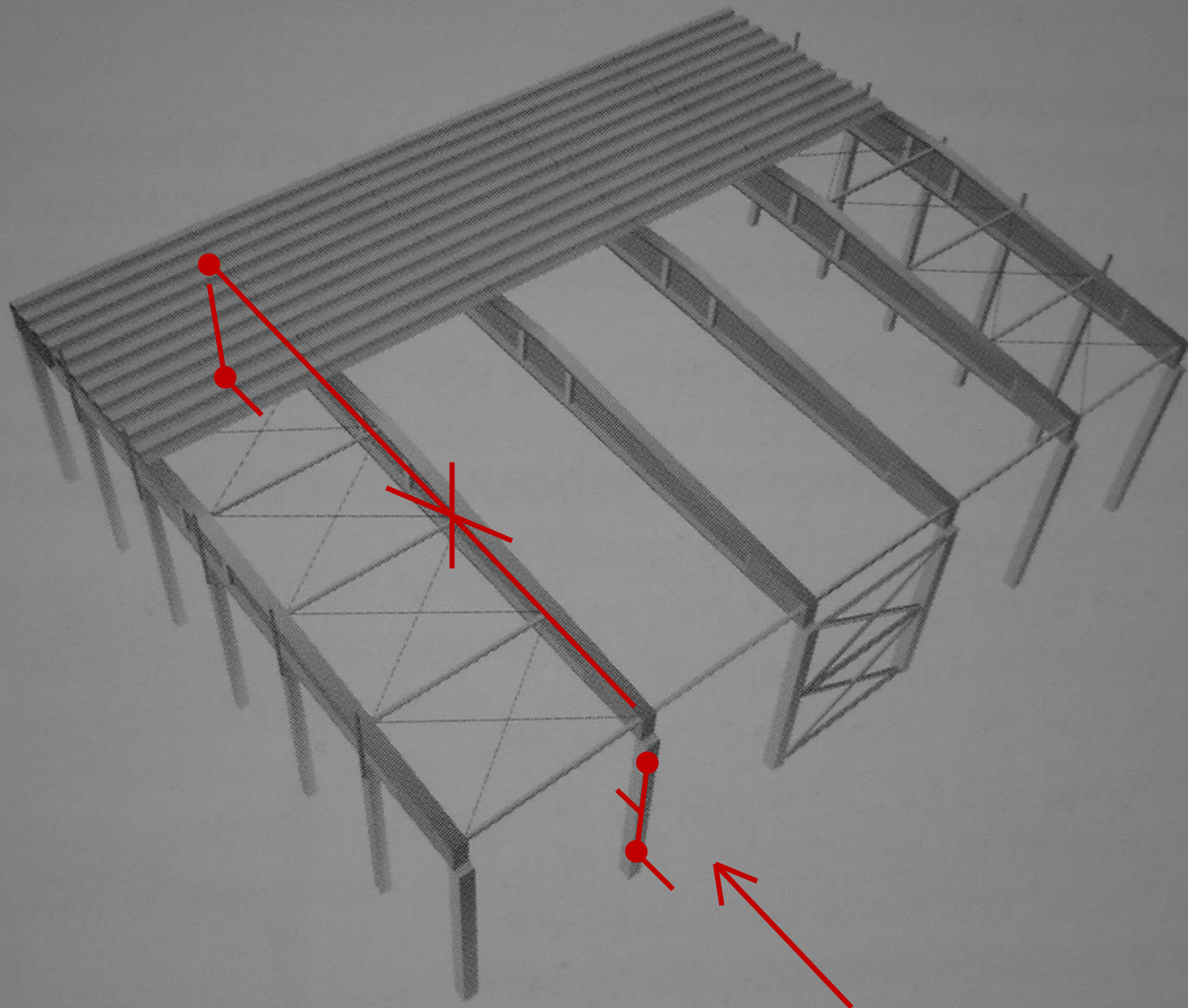


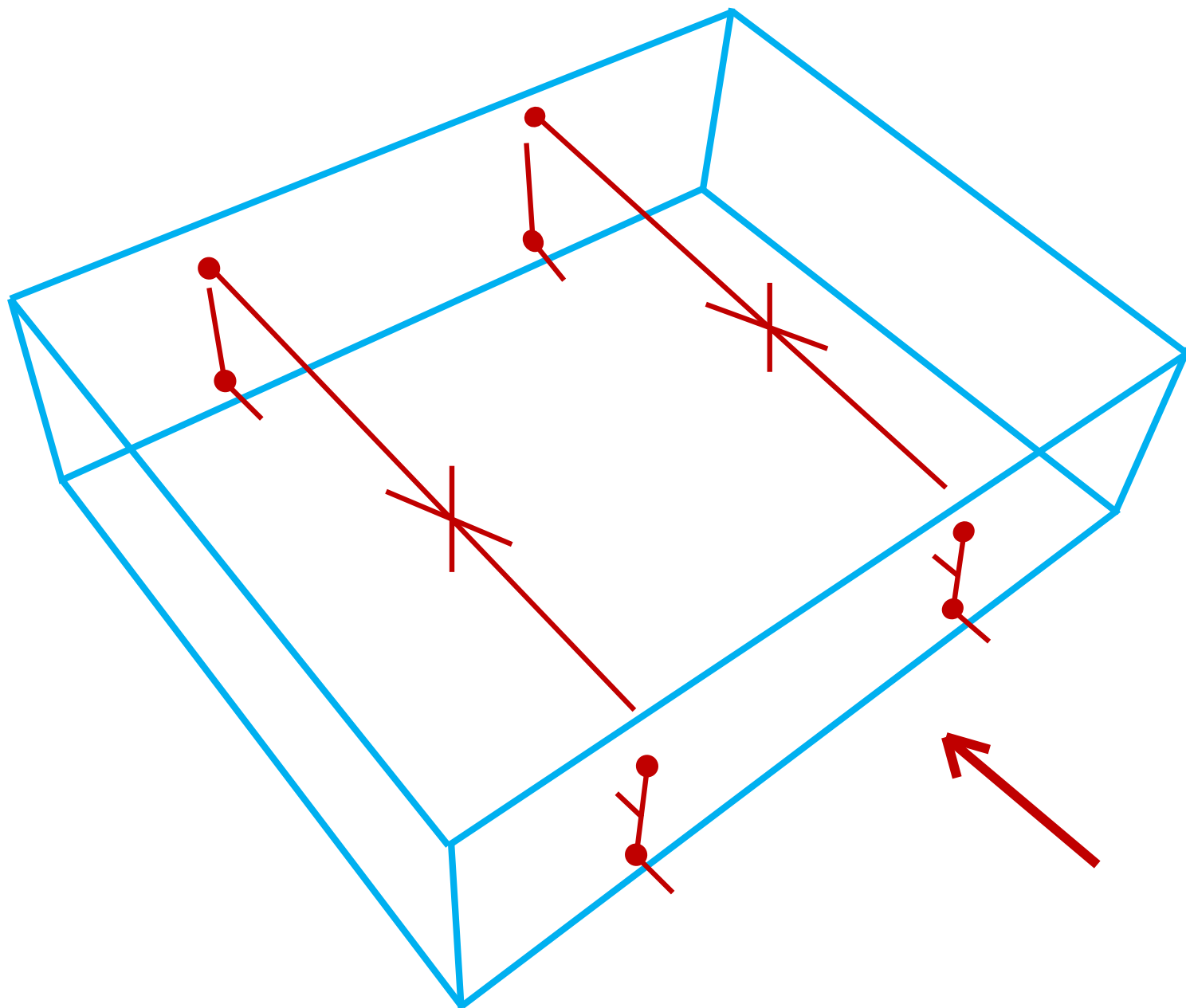


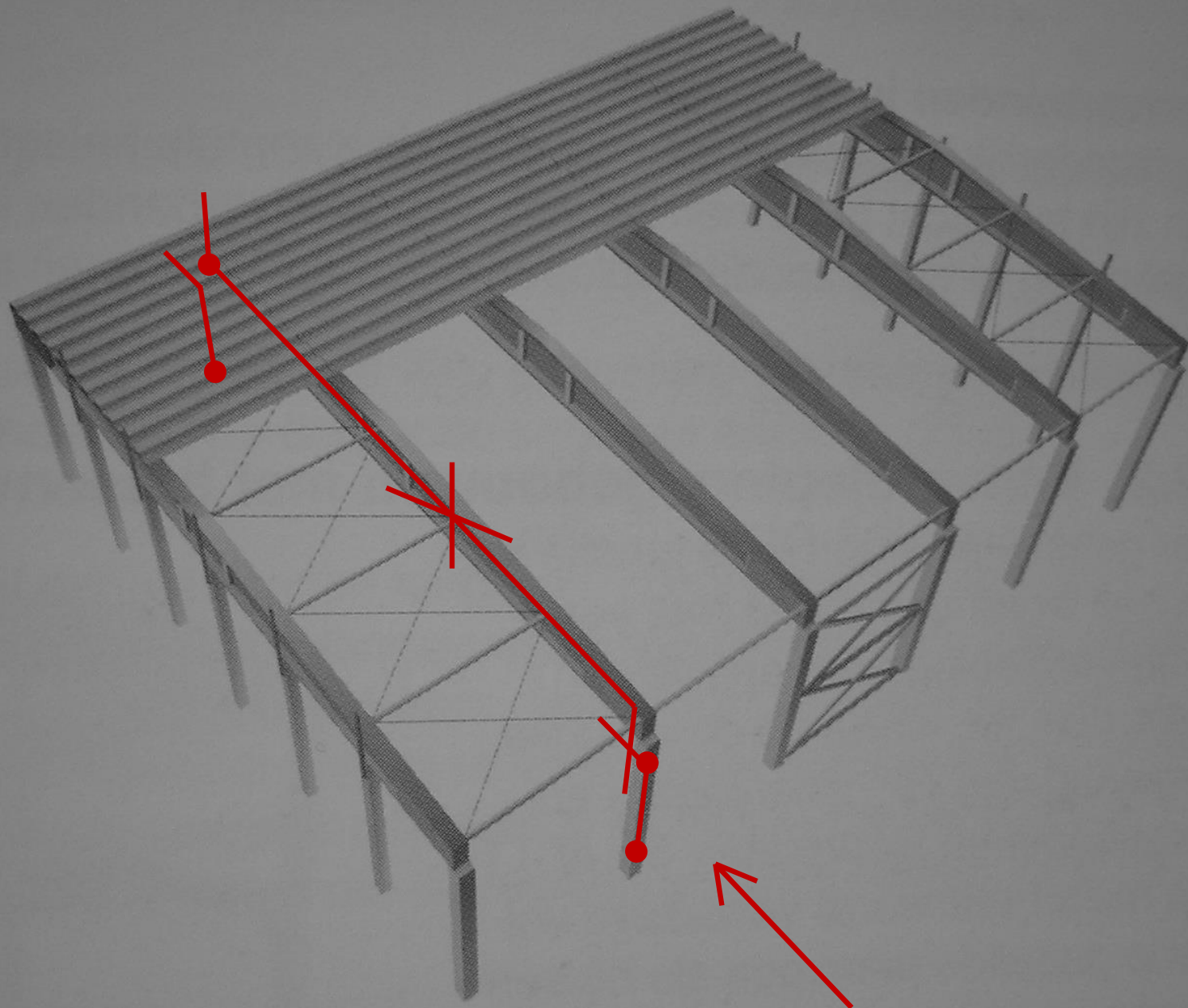


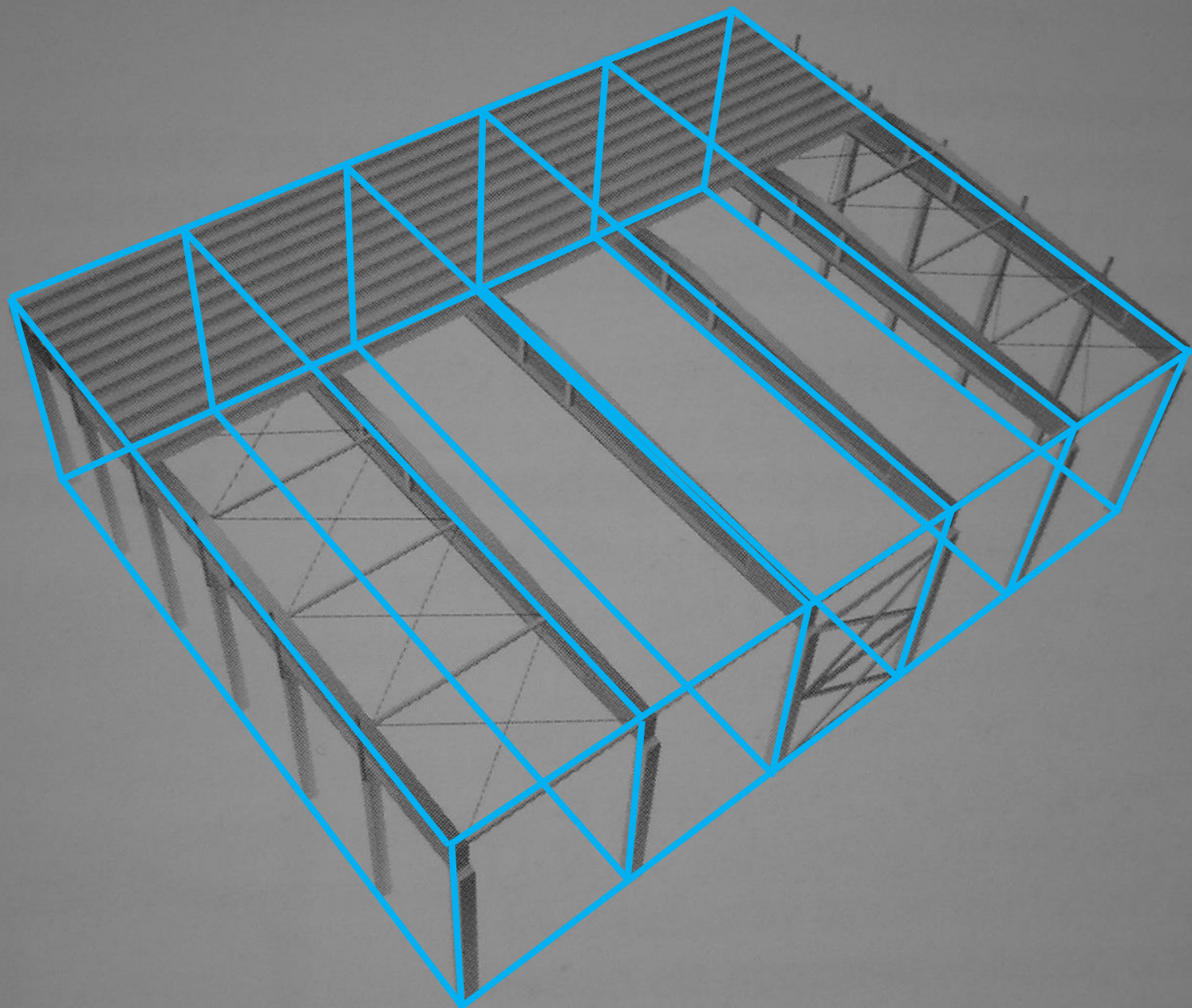


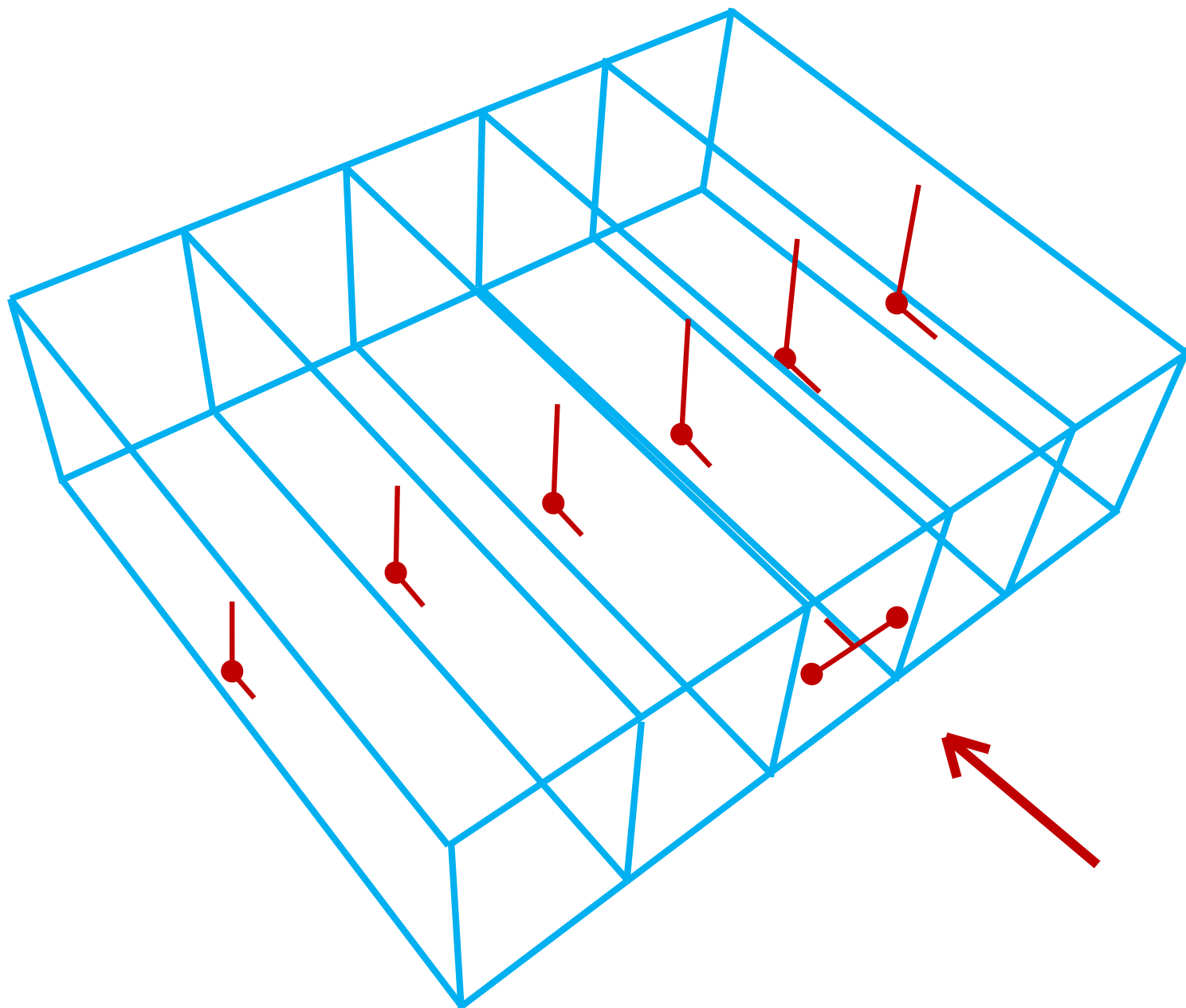


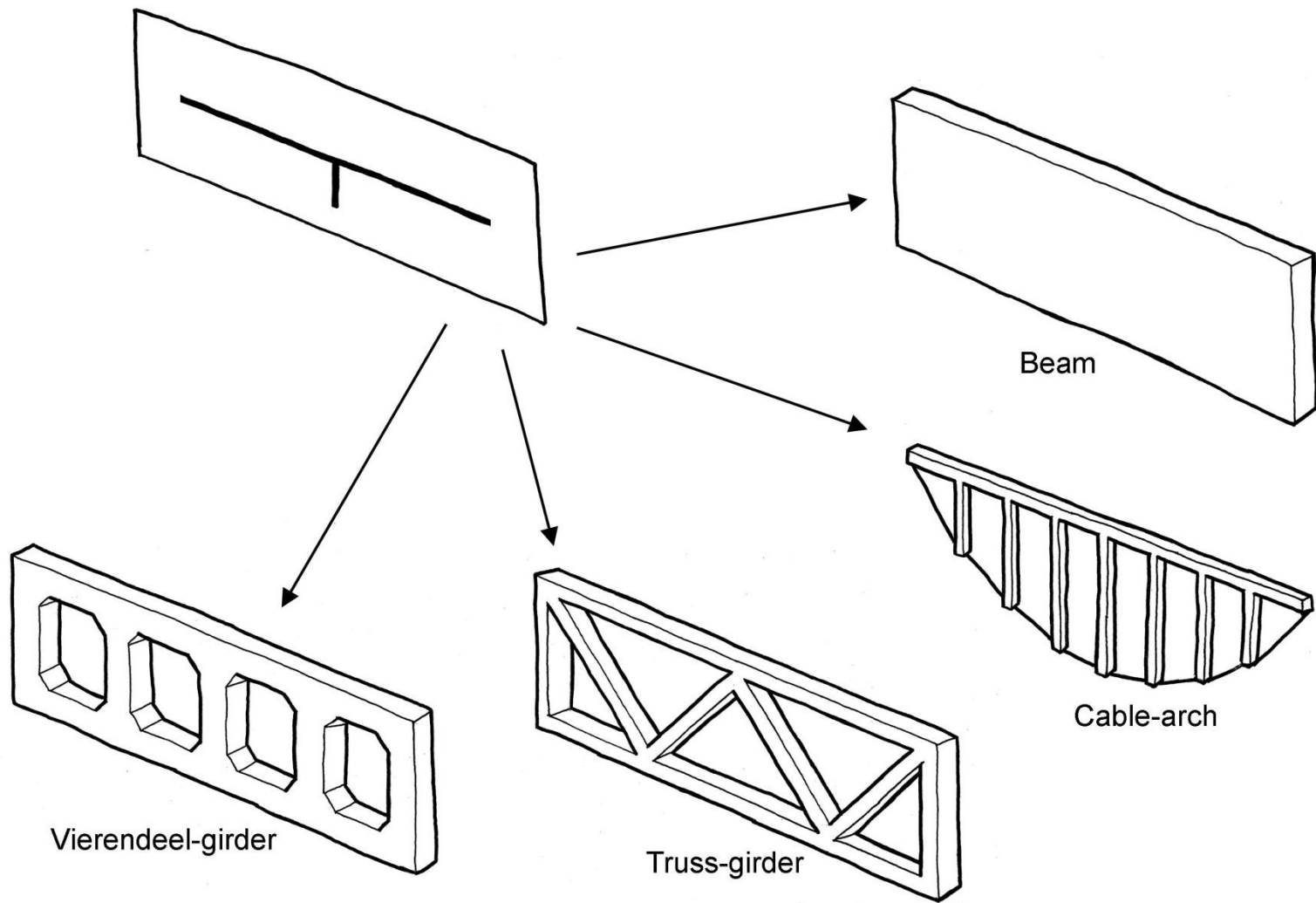






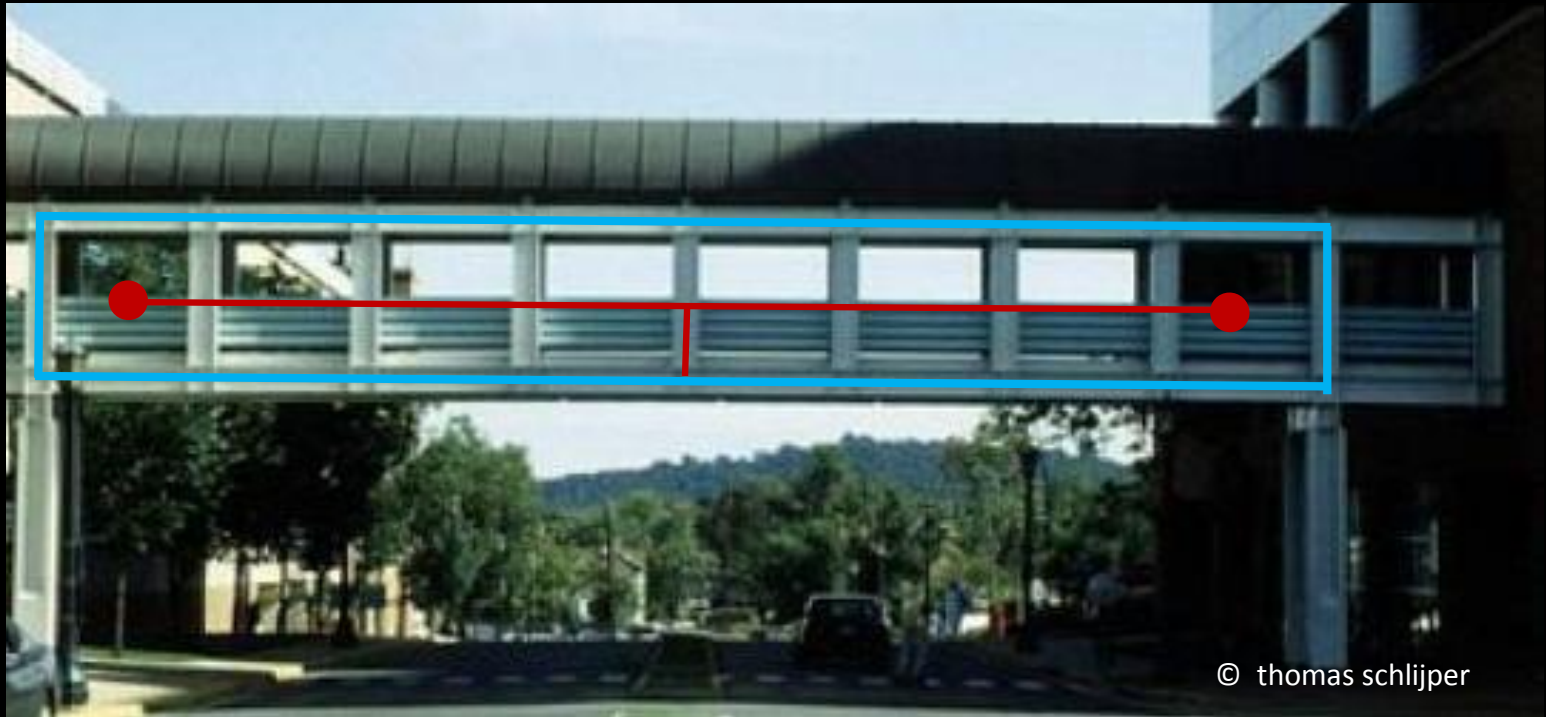








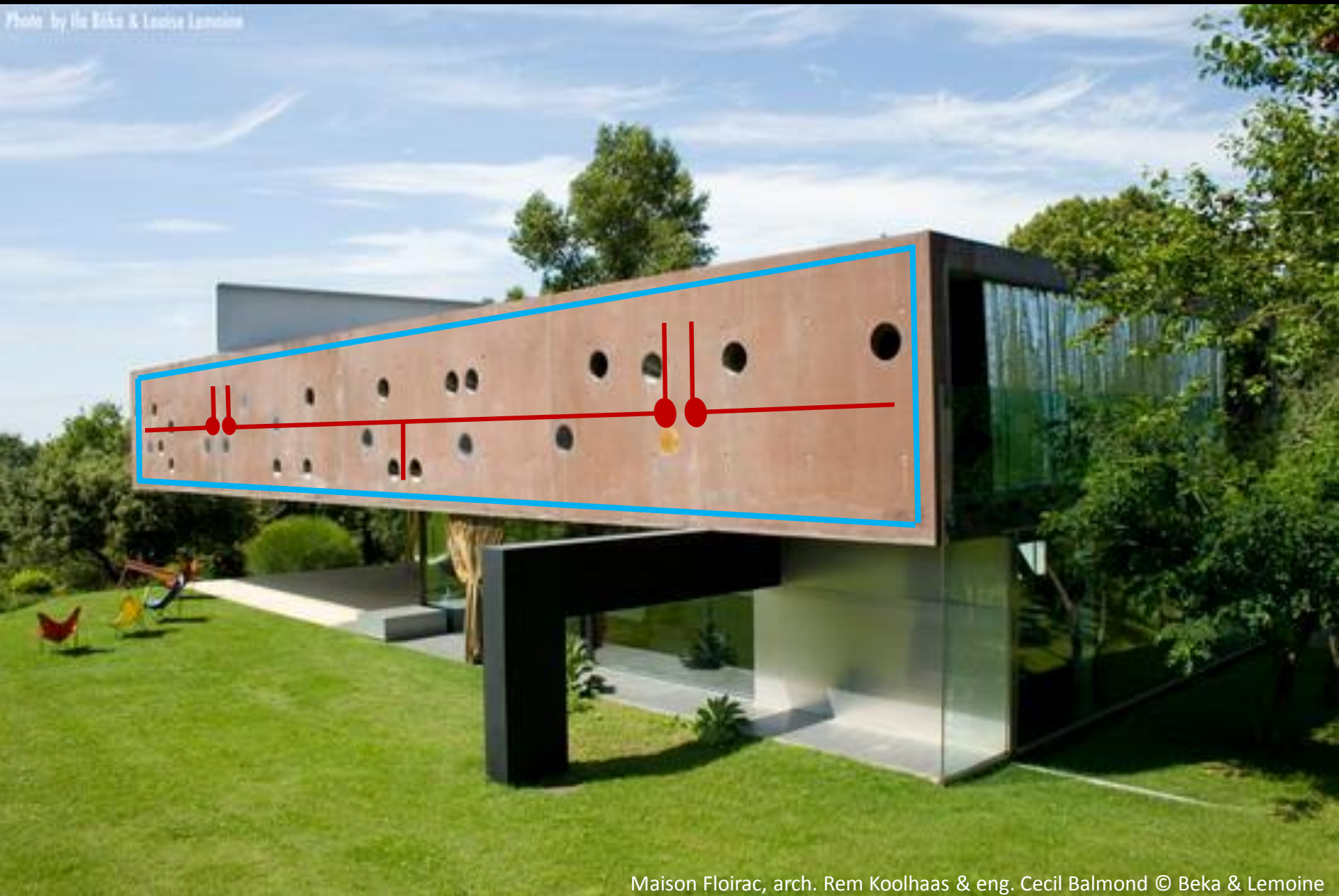
Porsche Museum, Stuttgart, Delugan Meissl Associated Architects © Porsche



© thomas schlijper



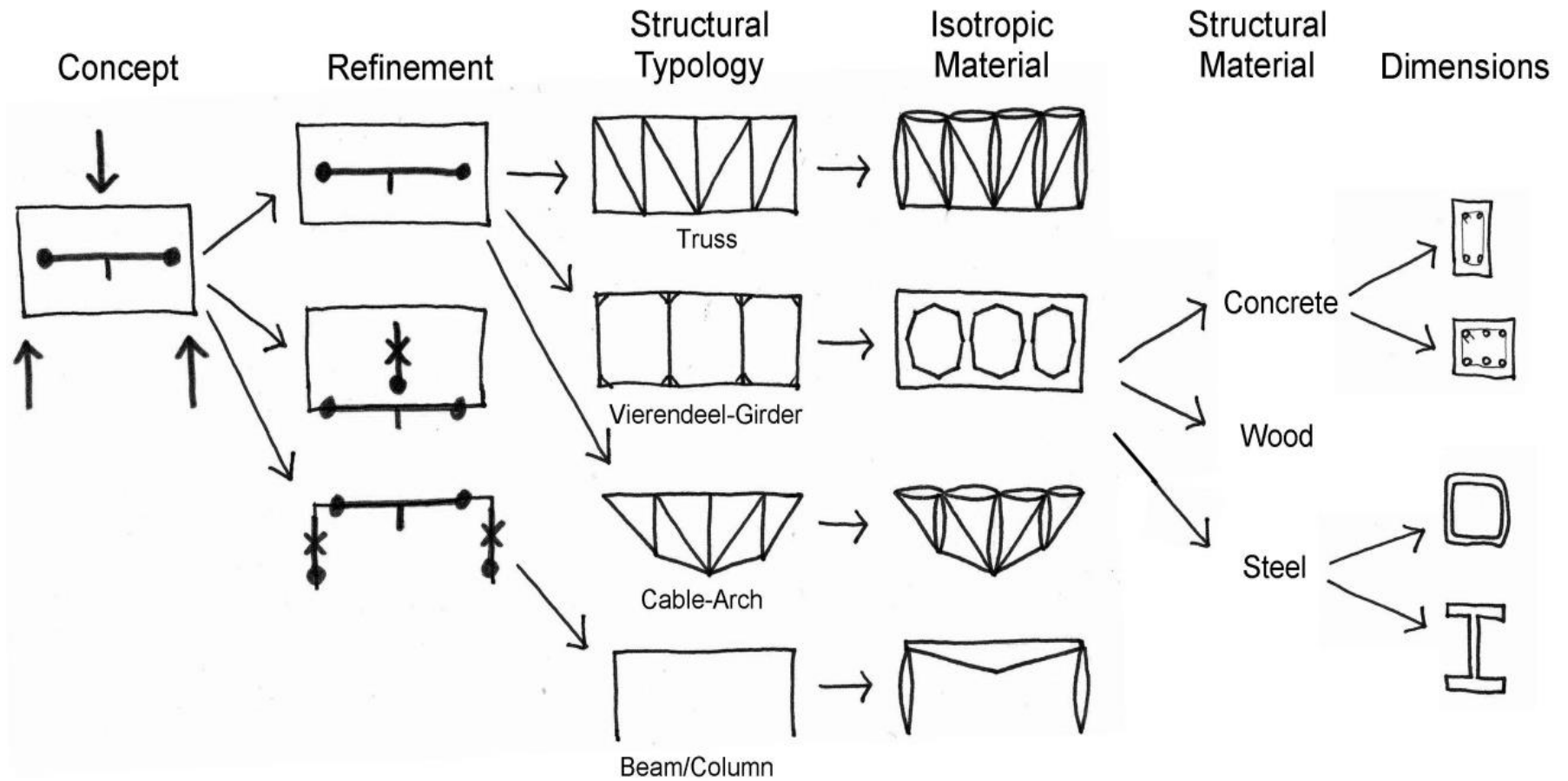
Photo by the Beka & Lemoine

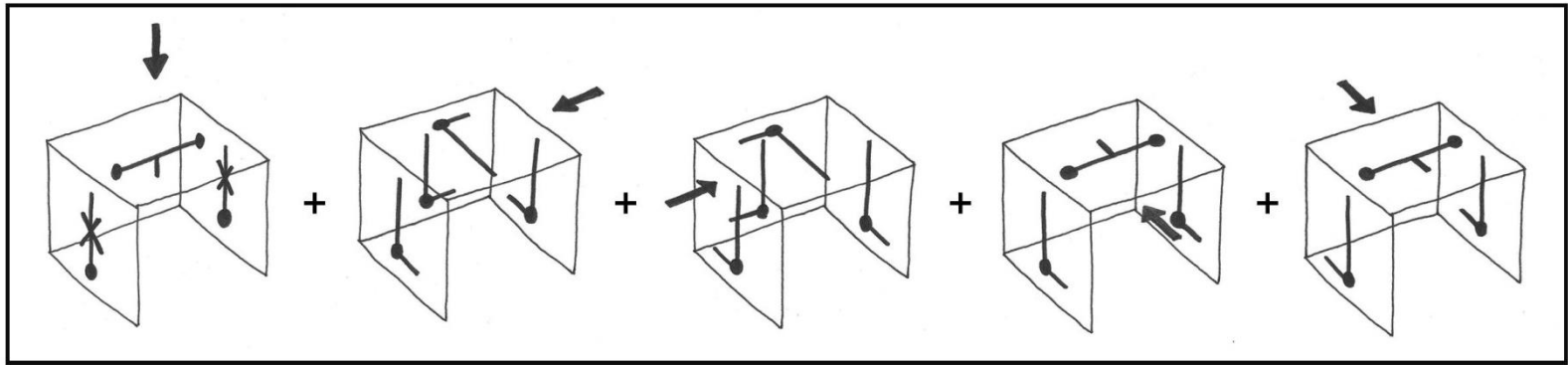


Maison Floirac, arch. Rem Koolhaas & eng. Cecil Balmond © Beka & Lemoine

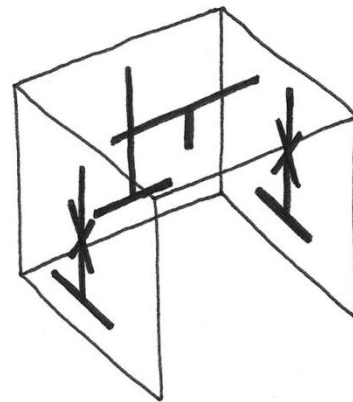
ABSTRACT

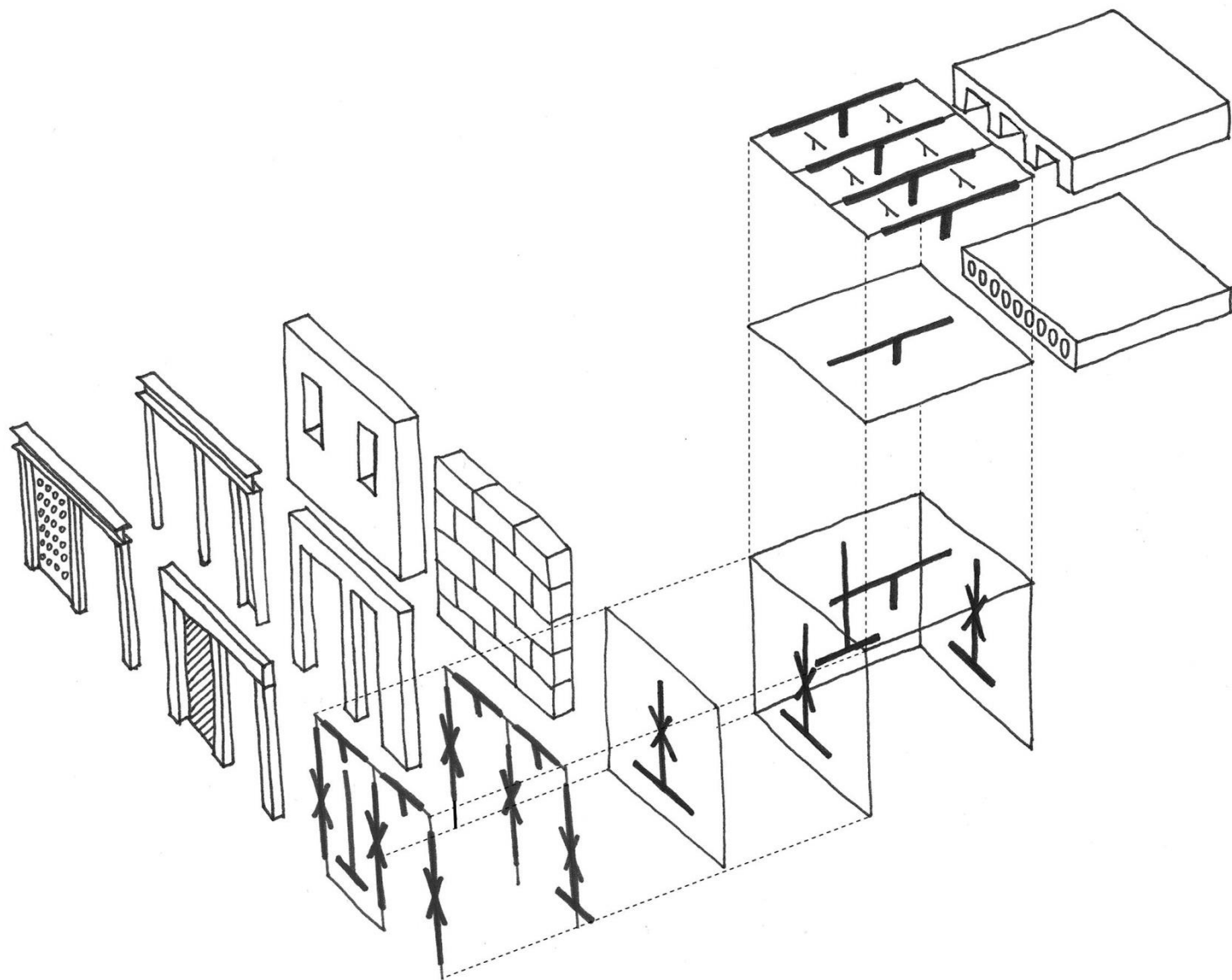
DETAIL

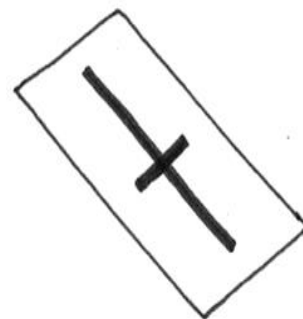
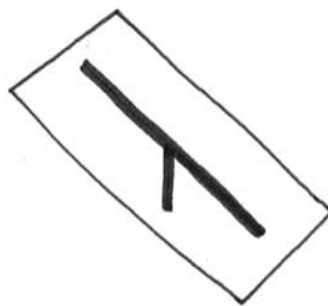
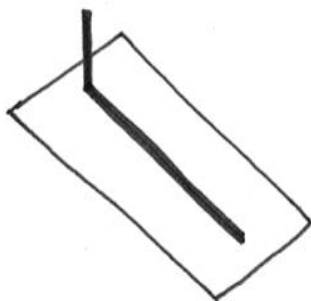
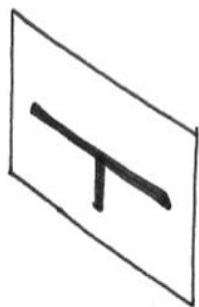
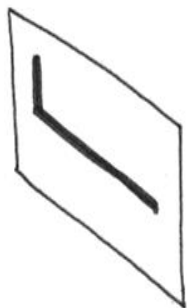


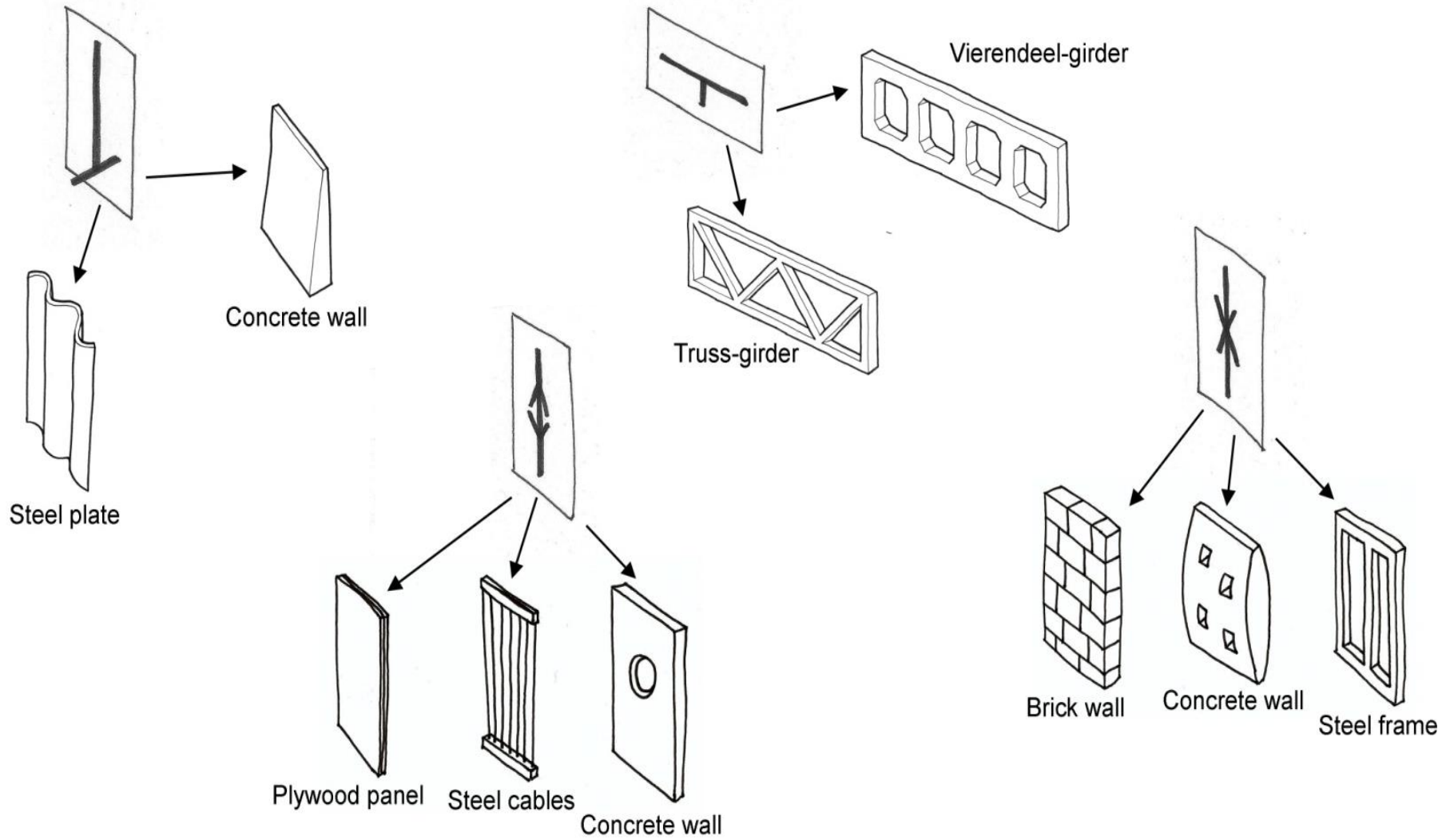


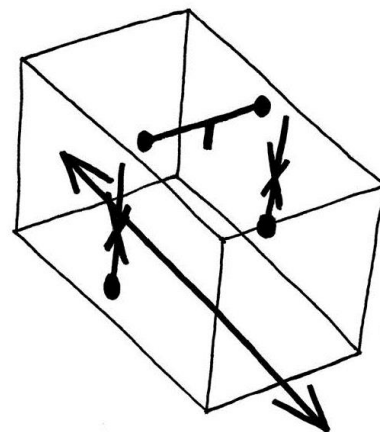
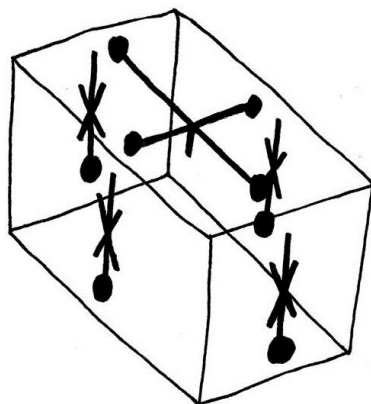
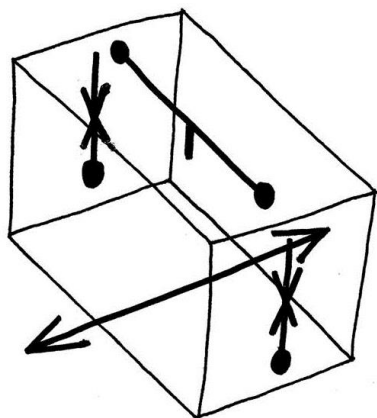
FILTER

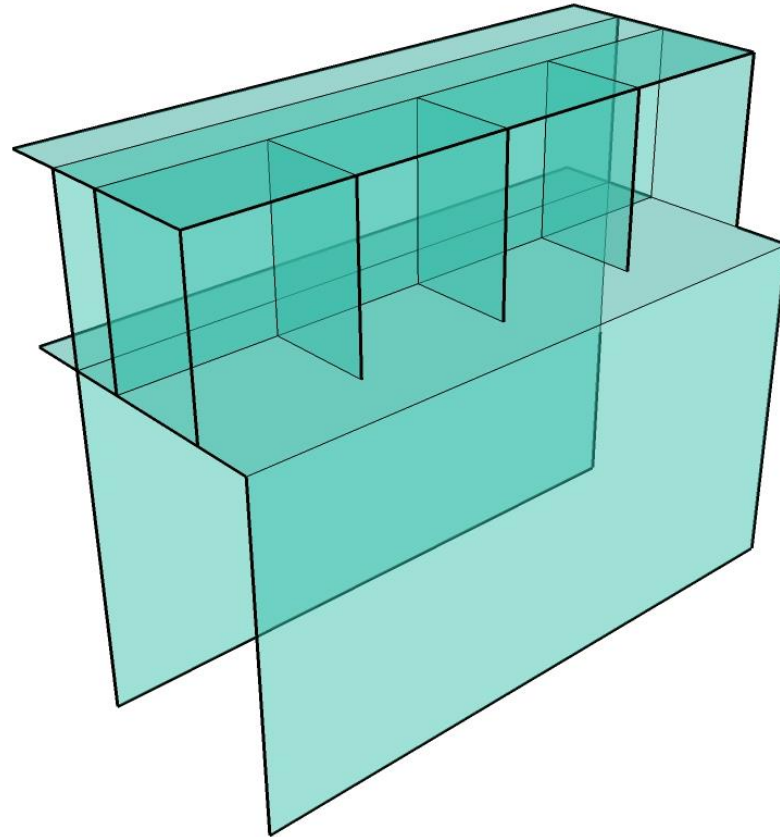


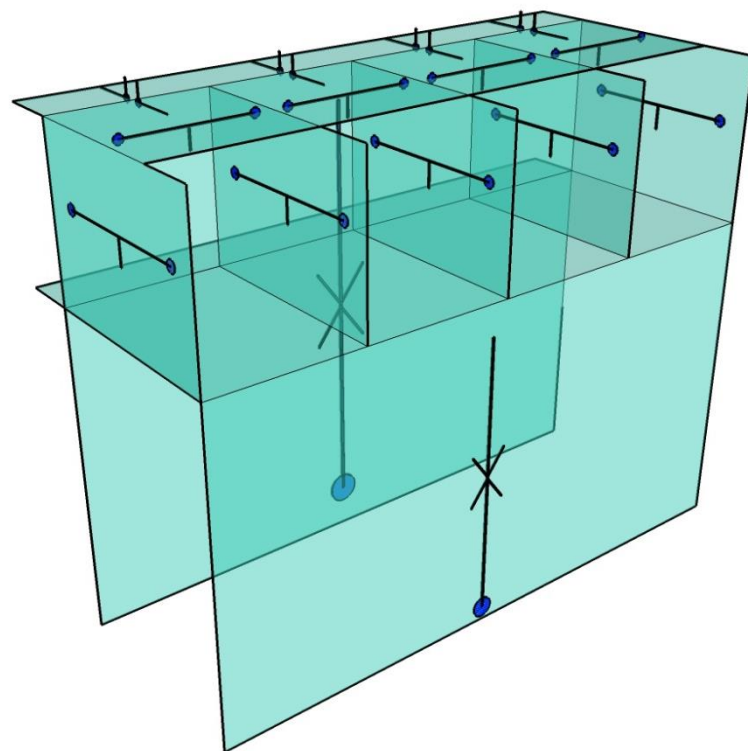
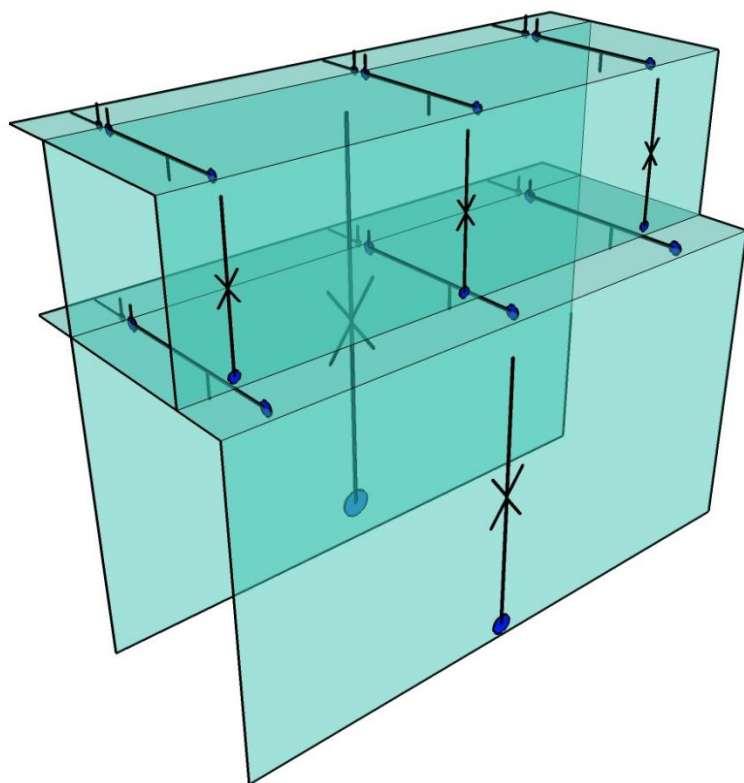


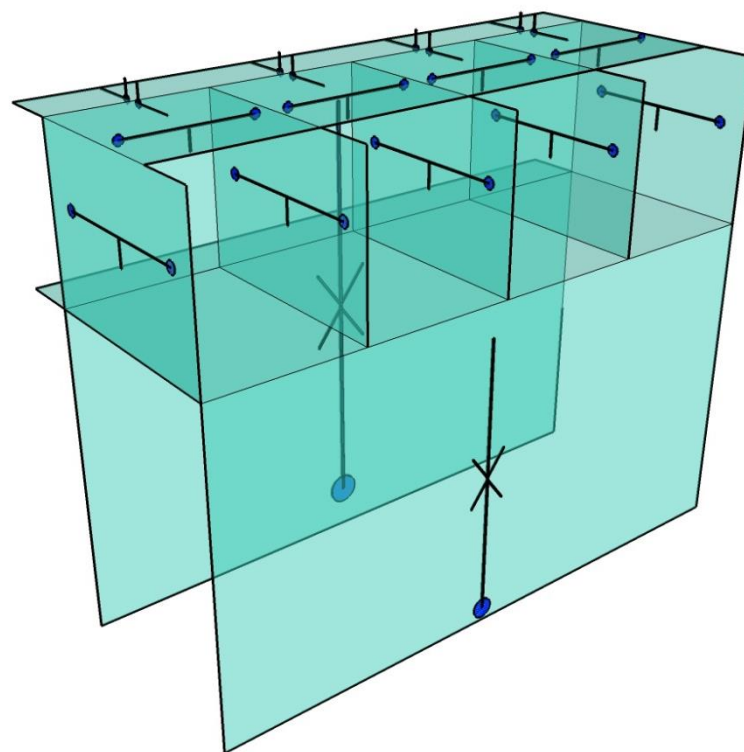
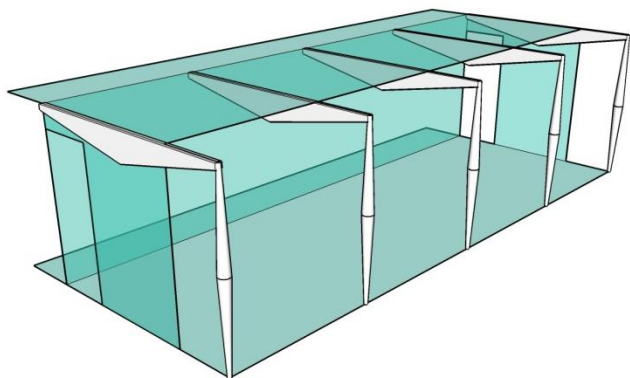
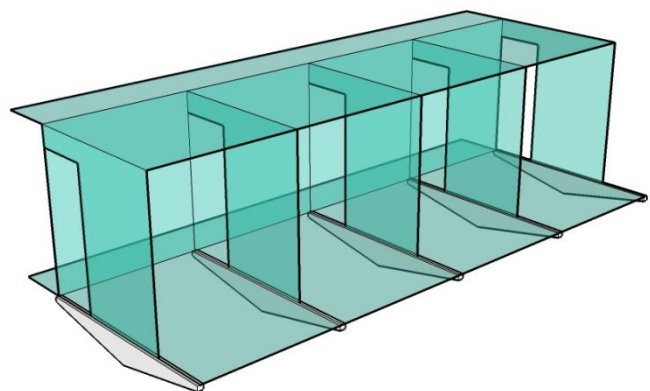








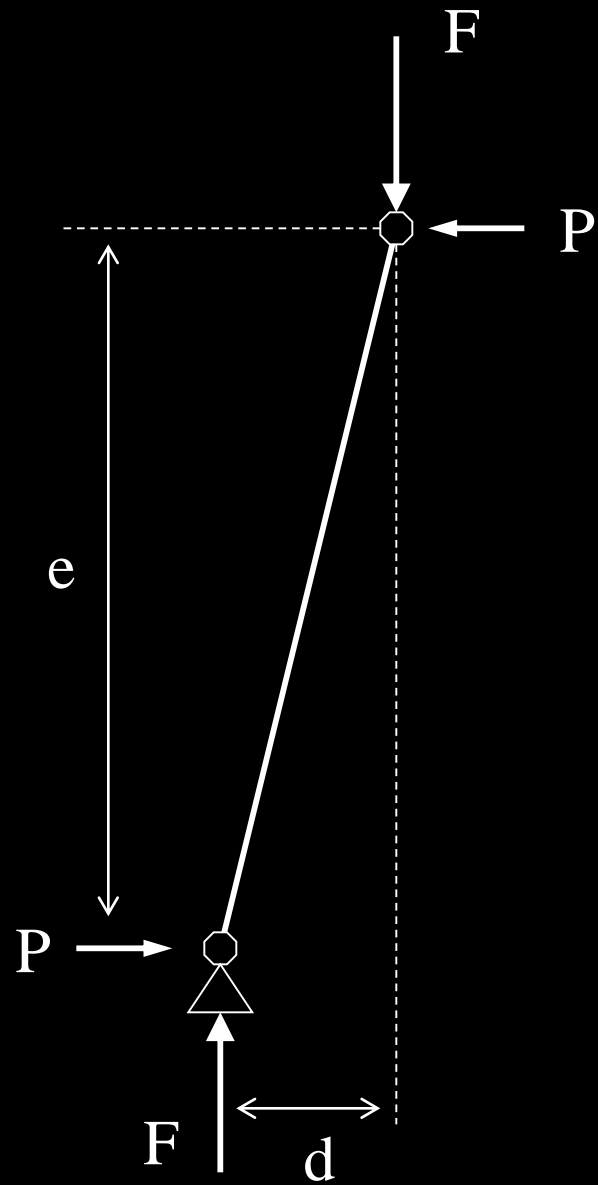




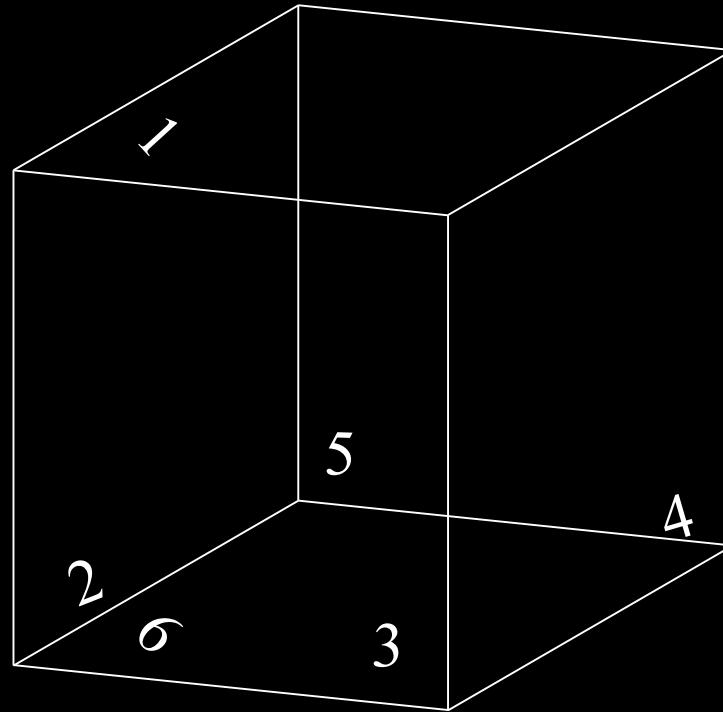
Horizontal Stability



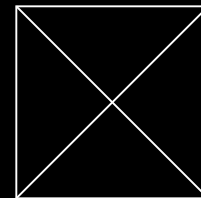
Gherkin, London, Norman Foster © Luyten



Out of axis:
 $F.d = P.e$



5 diaphragm surfaces = 1 stable cube





STRUTTED
=
VECTOR-ACTIVE



STRUTTED
=
VECTOR-ACTIVE





WOUTERS BOUWSERVICE
HEERENBOUW - VERBOUWINGEN
Polenboom 14
4101 TRIMBURG
Tel: 01615 08 19
Fax: 01615 7035

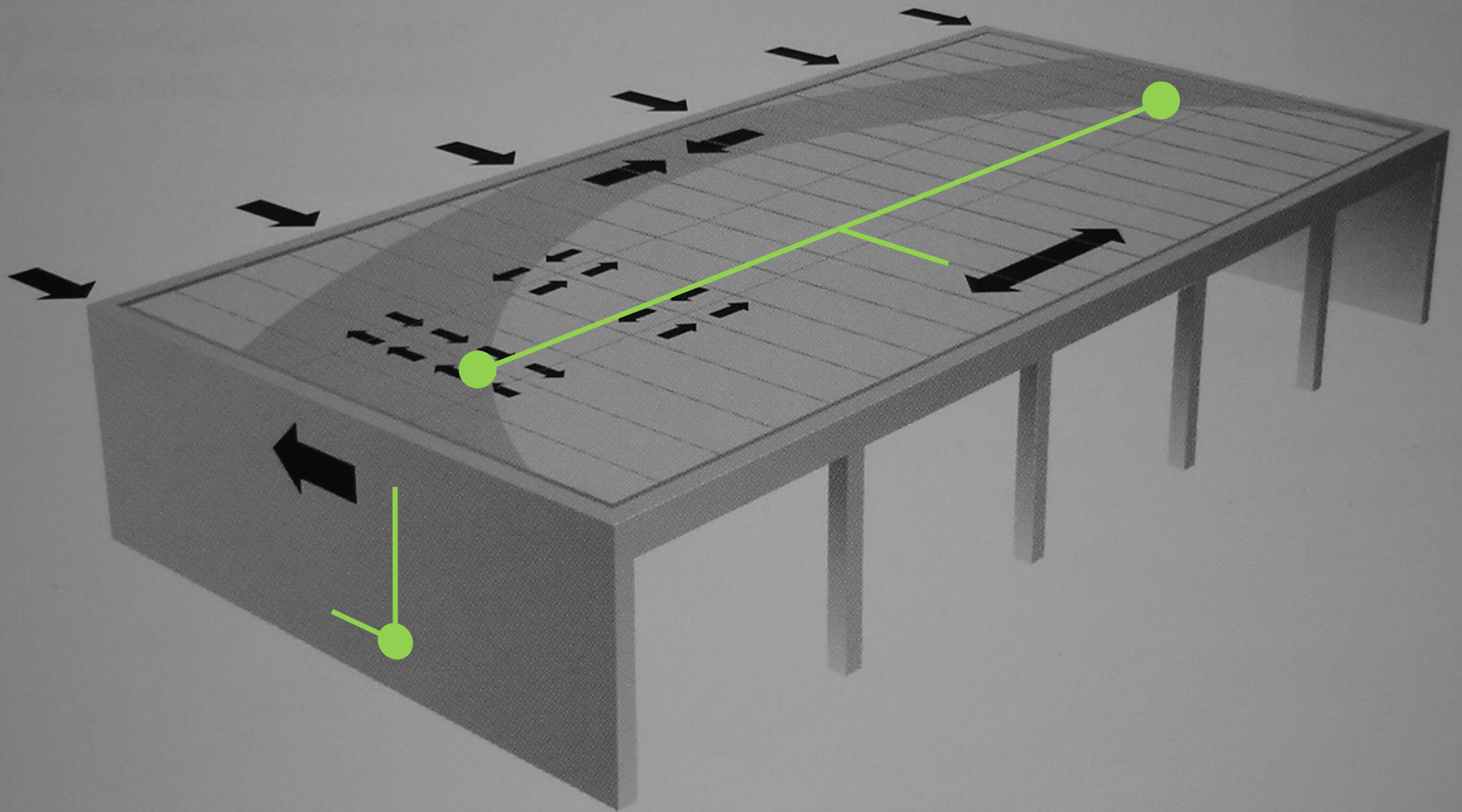
ANDRÉ GELIS
BOUW- en
RENOVATIE
Tel: 0161 238 545
Tel: 0161 238 545

Stekkerkabelwerken
KABELS
P. DECOSTER, Zn
Wijk 303 Wilhelmina
Wijk 303 Wilhelmina
Wijk 303 Wilhelmina

RECHTSHOOFD
RECHTSHOOFD
RECHTSHOOFD



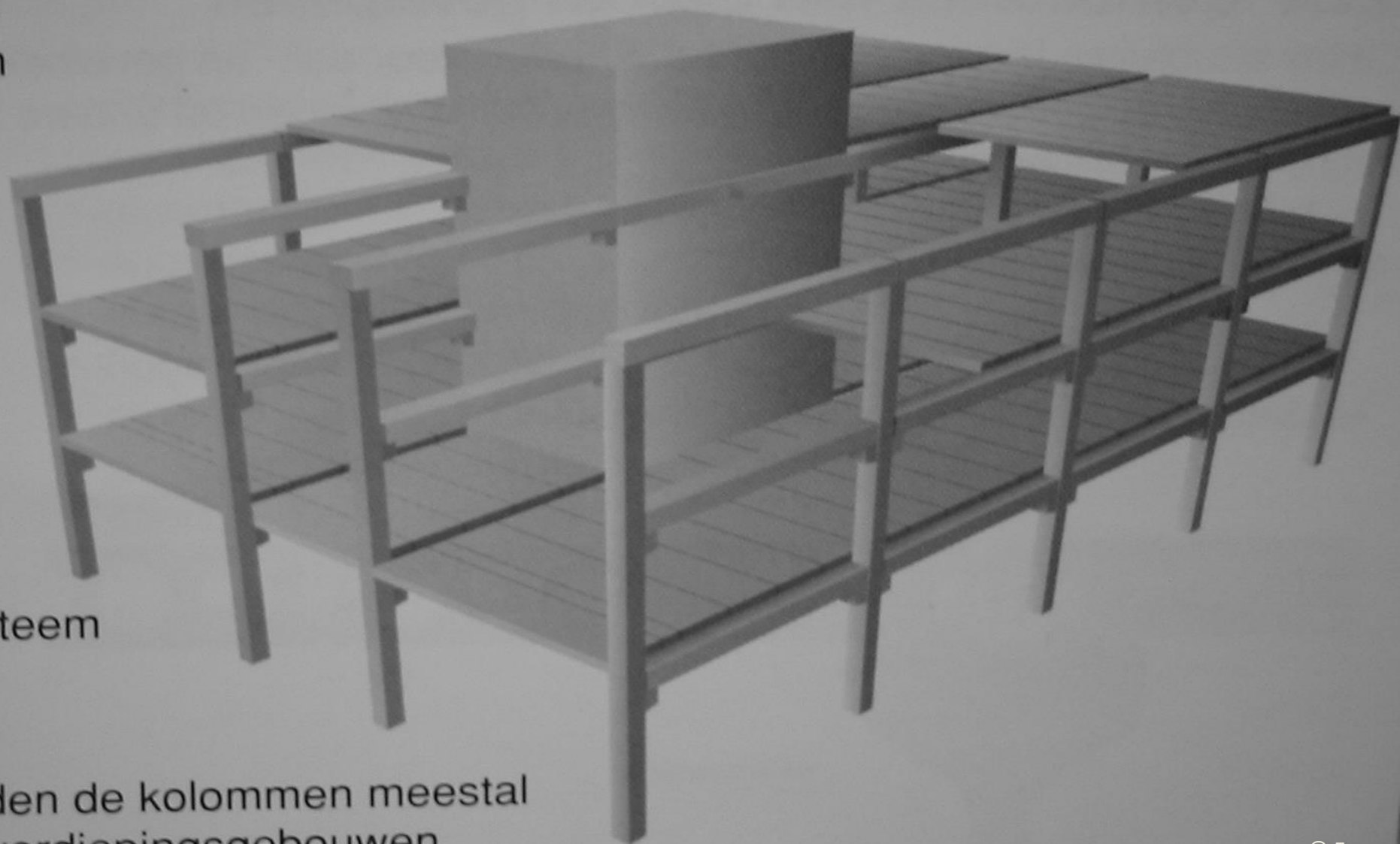
emen in de trekband die voortkomt uit de boogwerking in de vloer en uit de wigwerking
huifkrachten in de voegen ($\pm 15\%$ van de totale langsschuifkracht in de voeg). De horiz
vorden dan per verdieping afgeleid naar de stijve delen die de momenten overbrengen







n
n



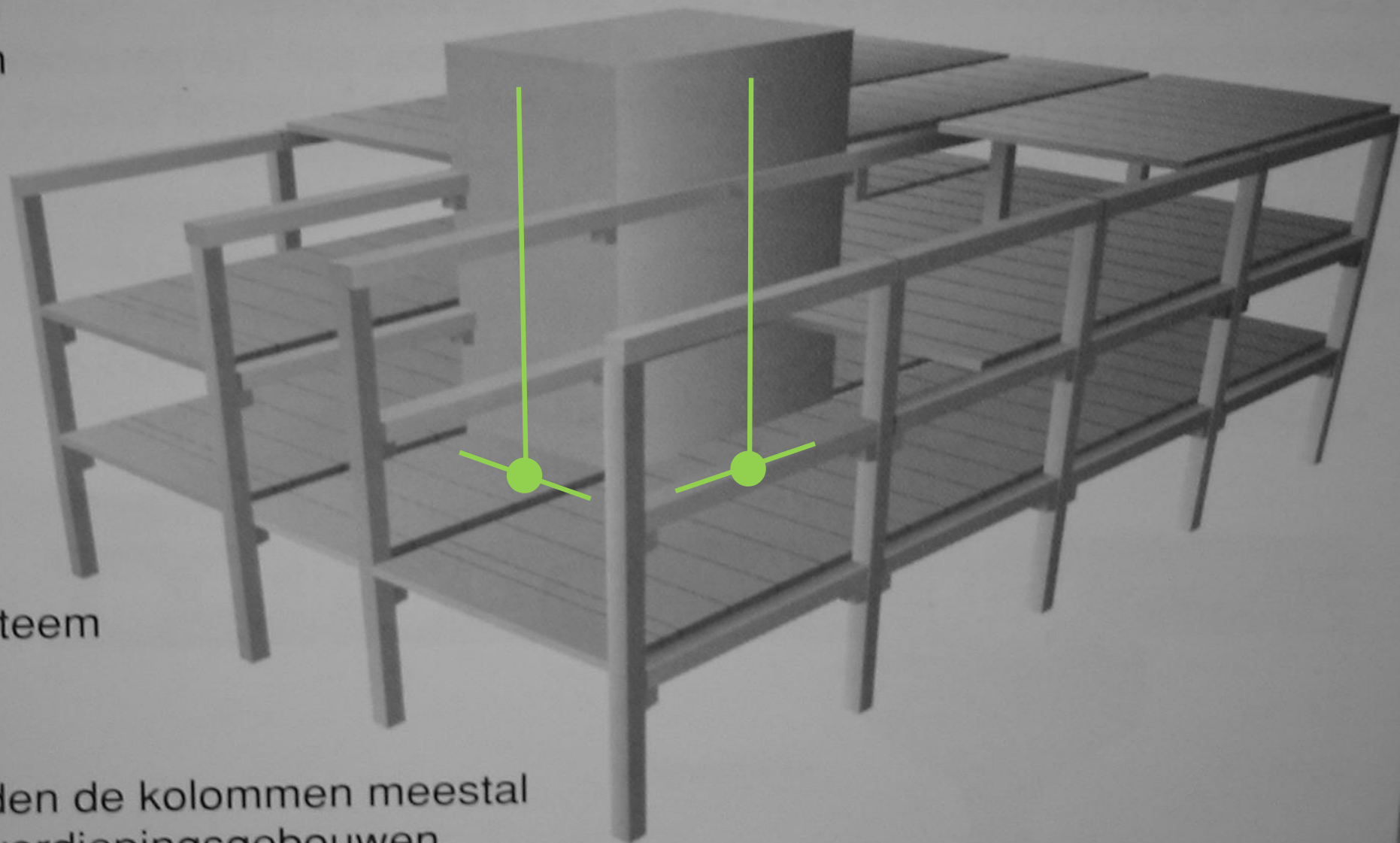
steem

den de kolommen meestal
verdiepingsgebouwen.

n
n

steem

den de kolommen meestal
verdiepingsgebouwen.



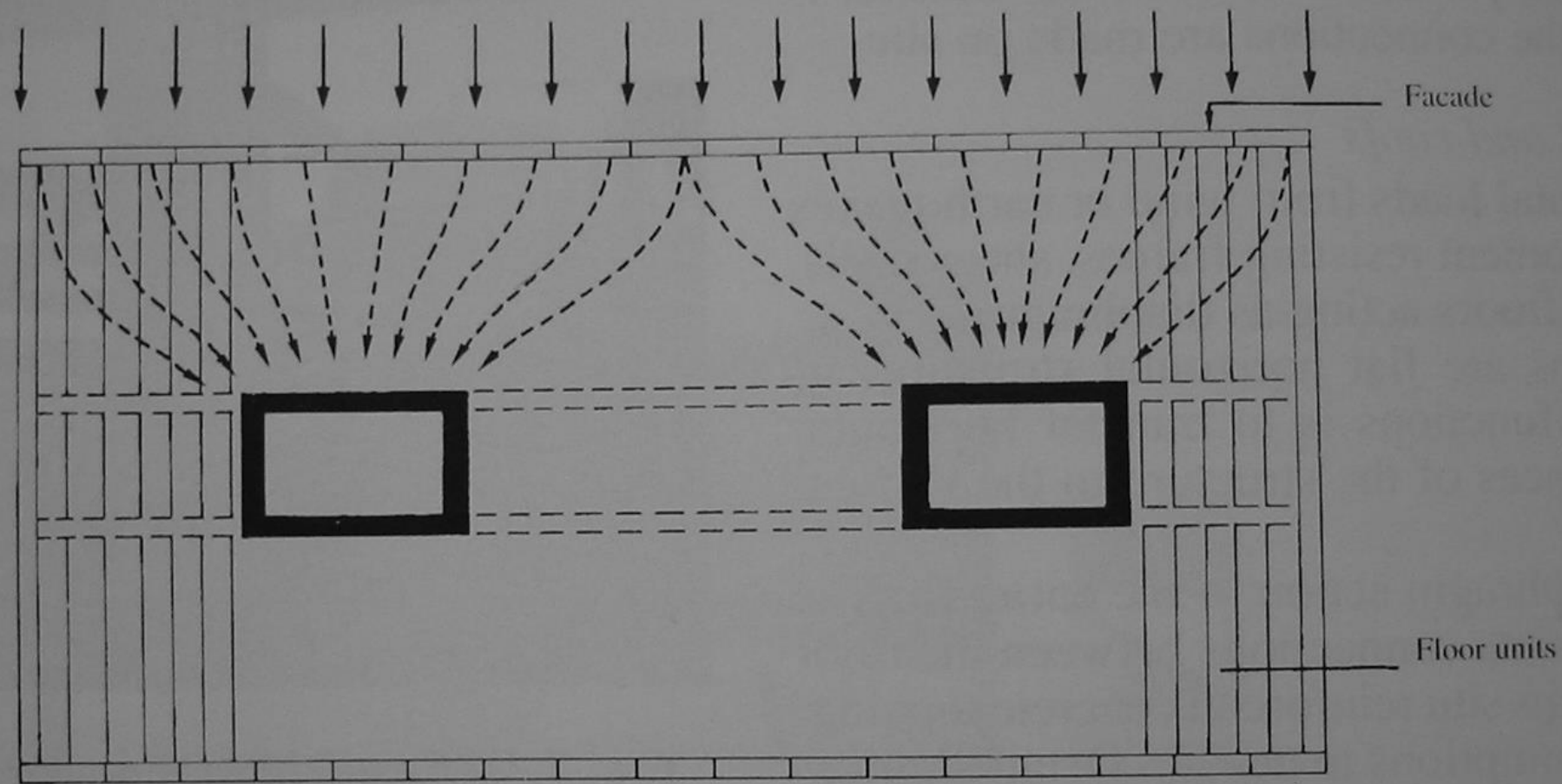
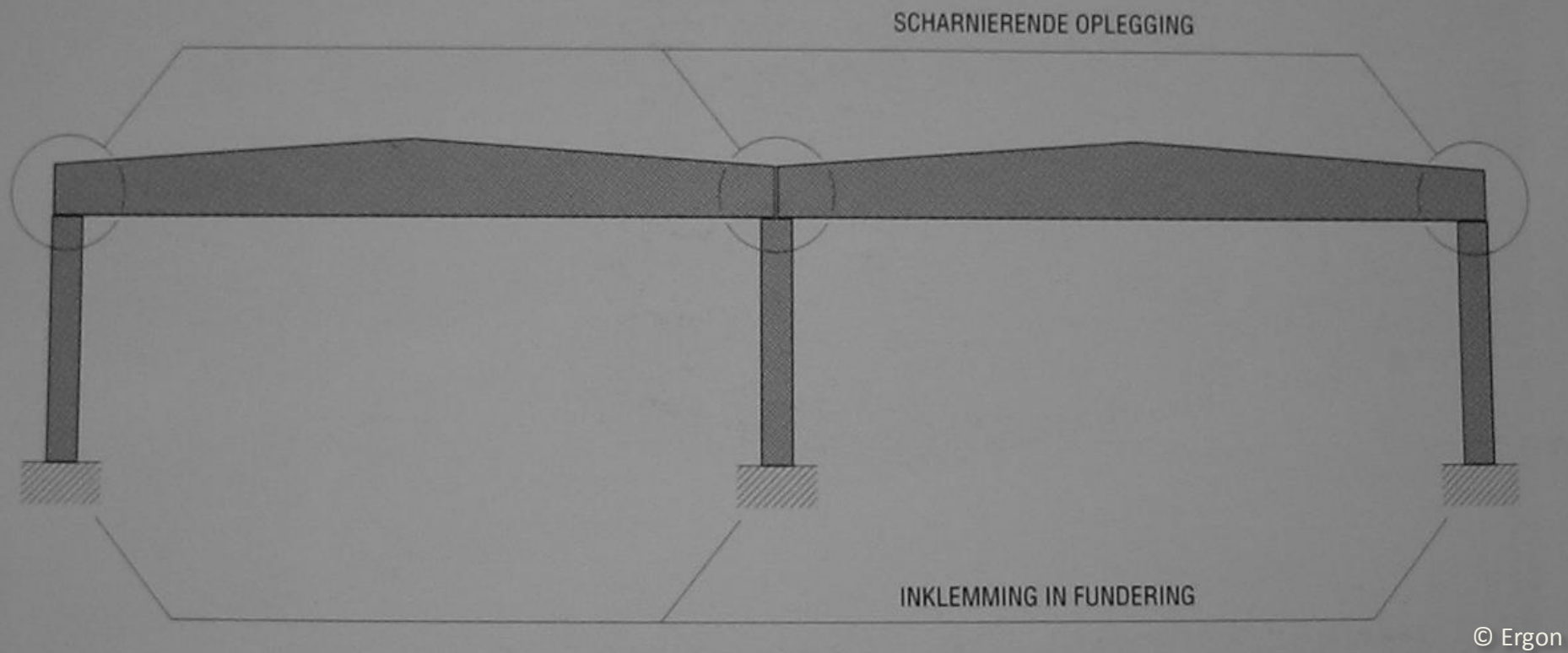
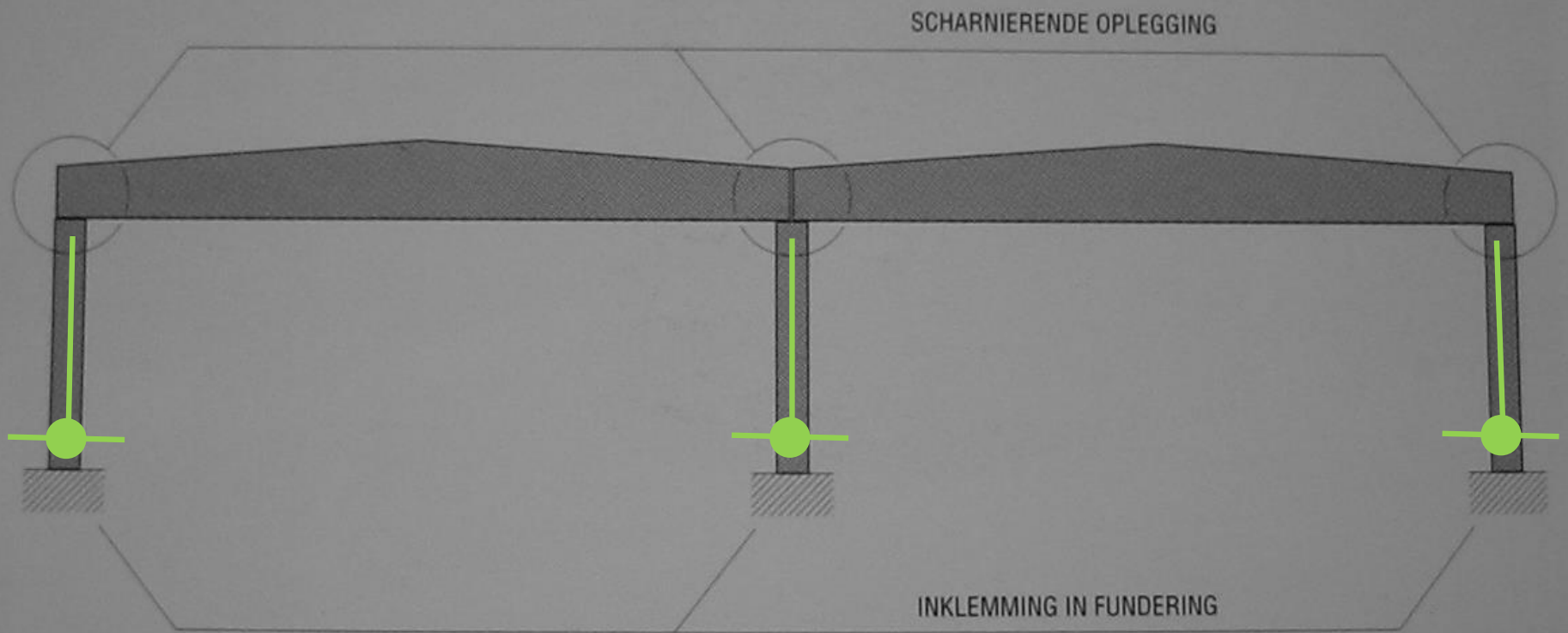


Fig. 4.14 Principle of diaphragm action in precast floors and roofs





NON STRUTTED = SECTION-ACTIVE



NON STRUTTED = SECTION-ACTIVE



Expo roof, Hannover, Herzog + Partner © Luyten

Portal Frame





Pavilion, Bruges, Toyo Ito© Luyten

