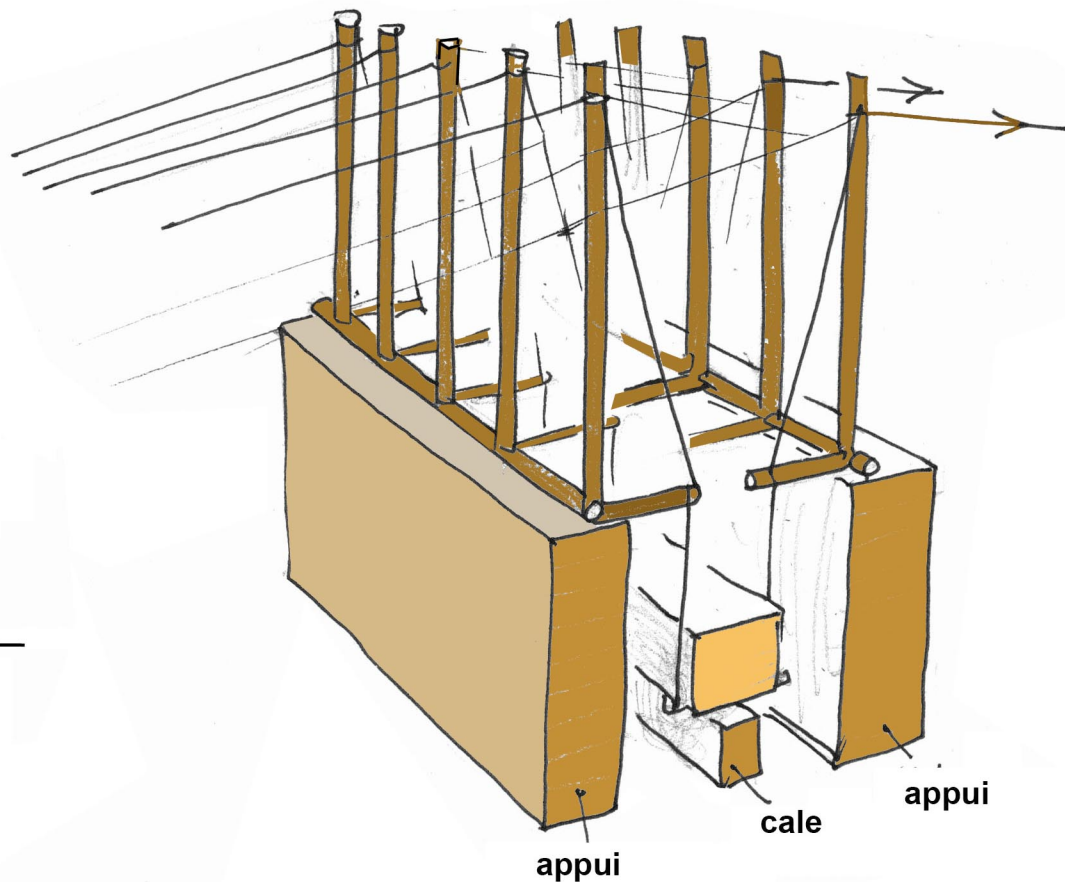
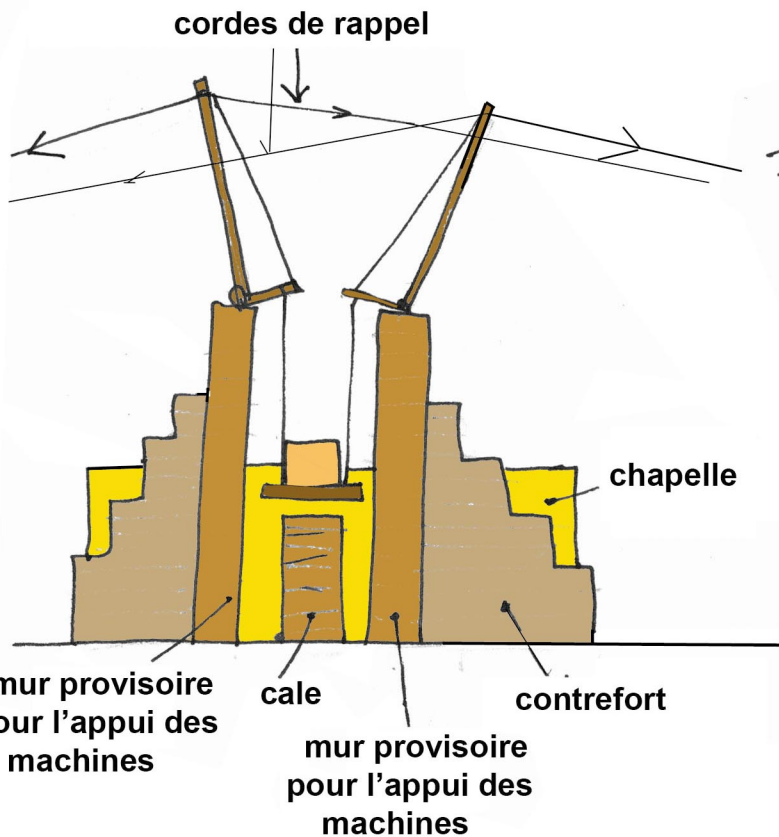
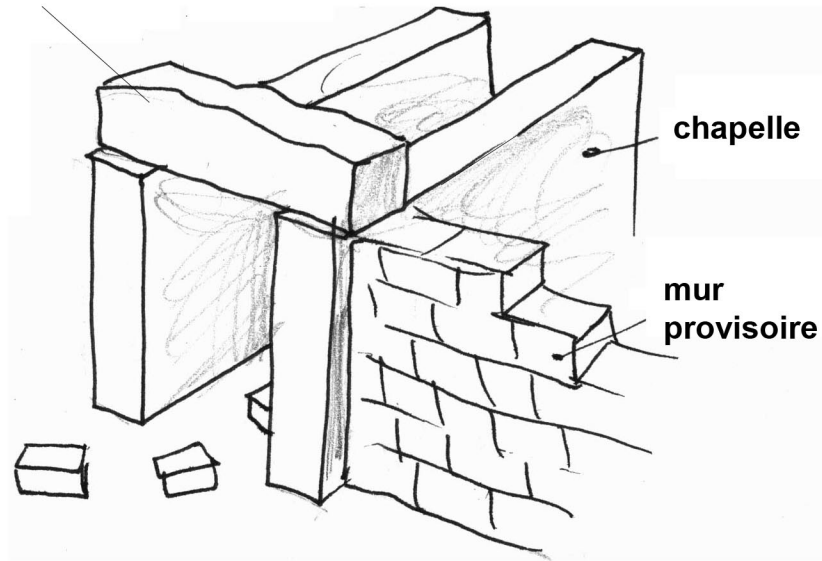
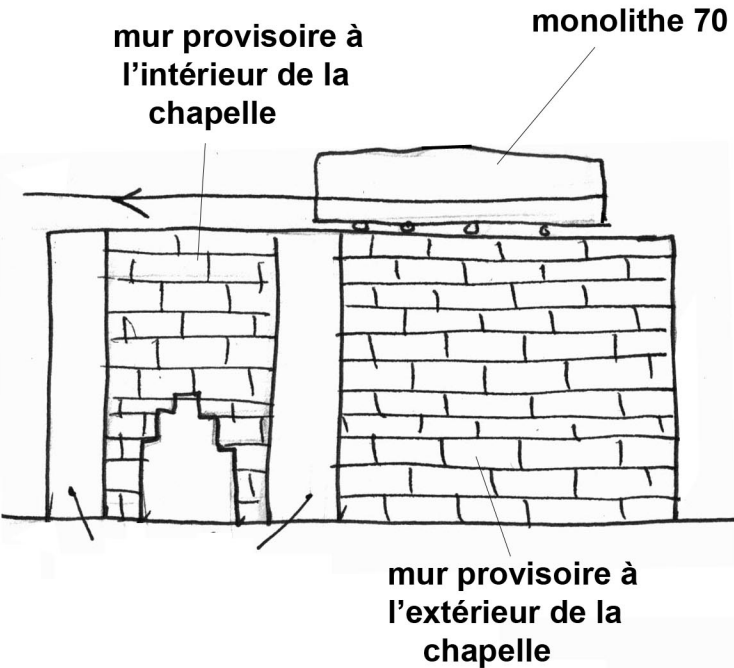
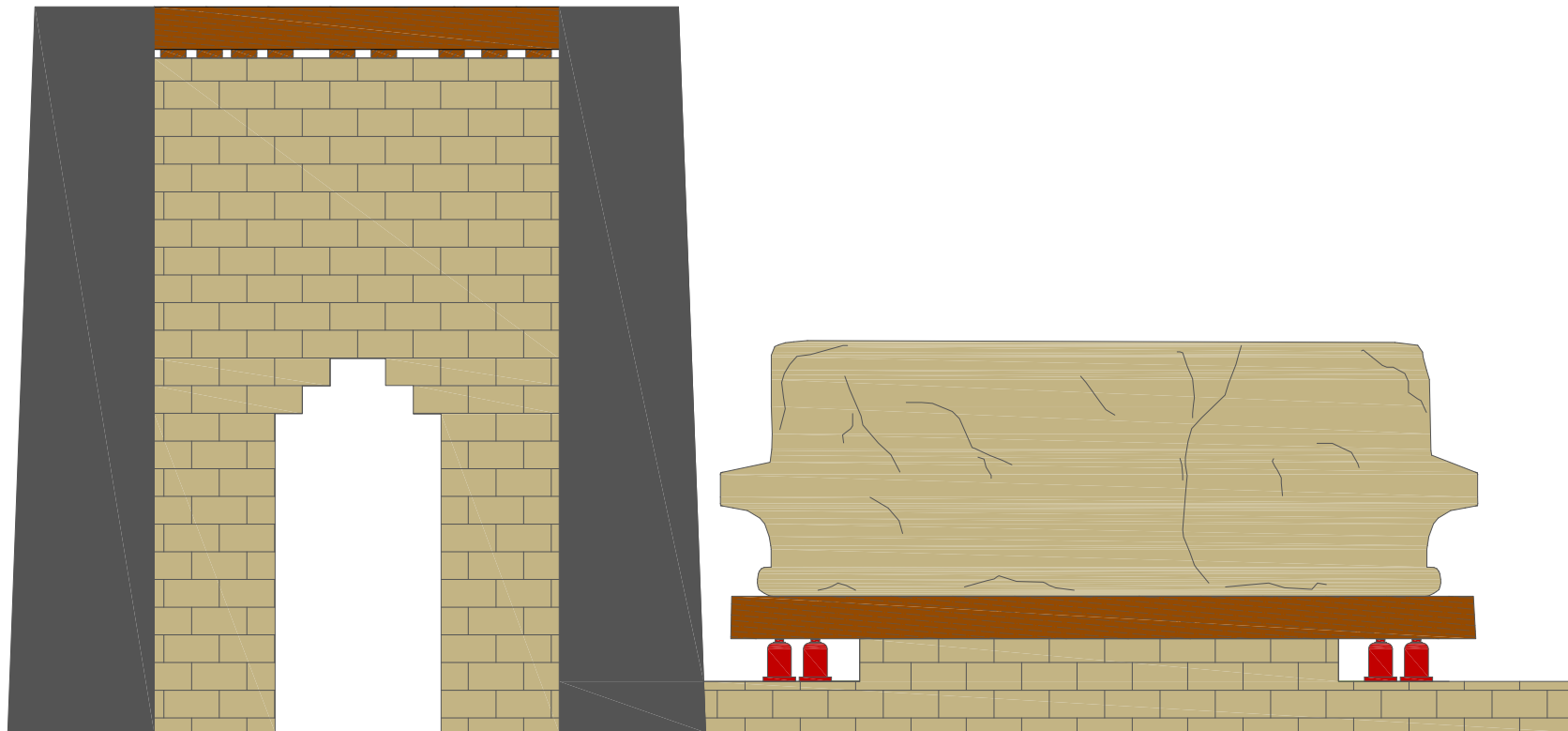


Tout commence par la suggestion d'utiliser ce système de levage pour amener un linteau de 75 tonnes à cinq mètres de hauteur, pour le faire se déplacer ensuite latéralement sur des rouleaux, afin de se faire s'appuyer sur les deux murs d'une «chapelle». A l'époque moderne, Antoine opte pour l'utilisation équivalente des vérins hydrauliques.



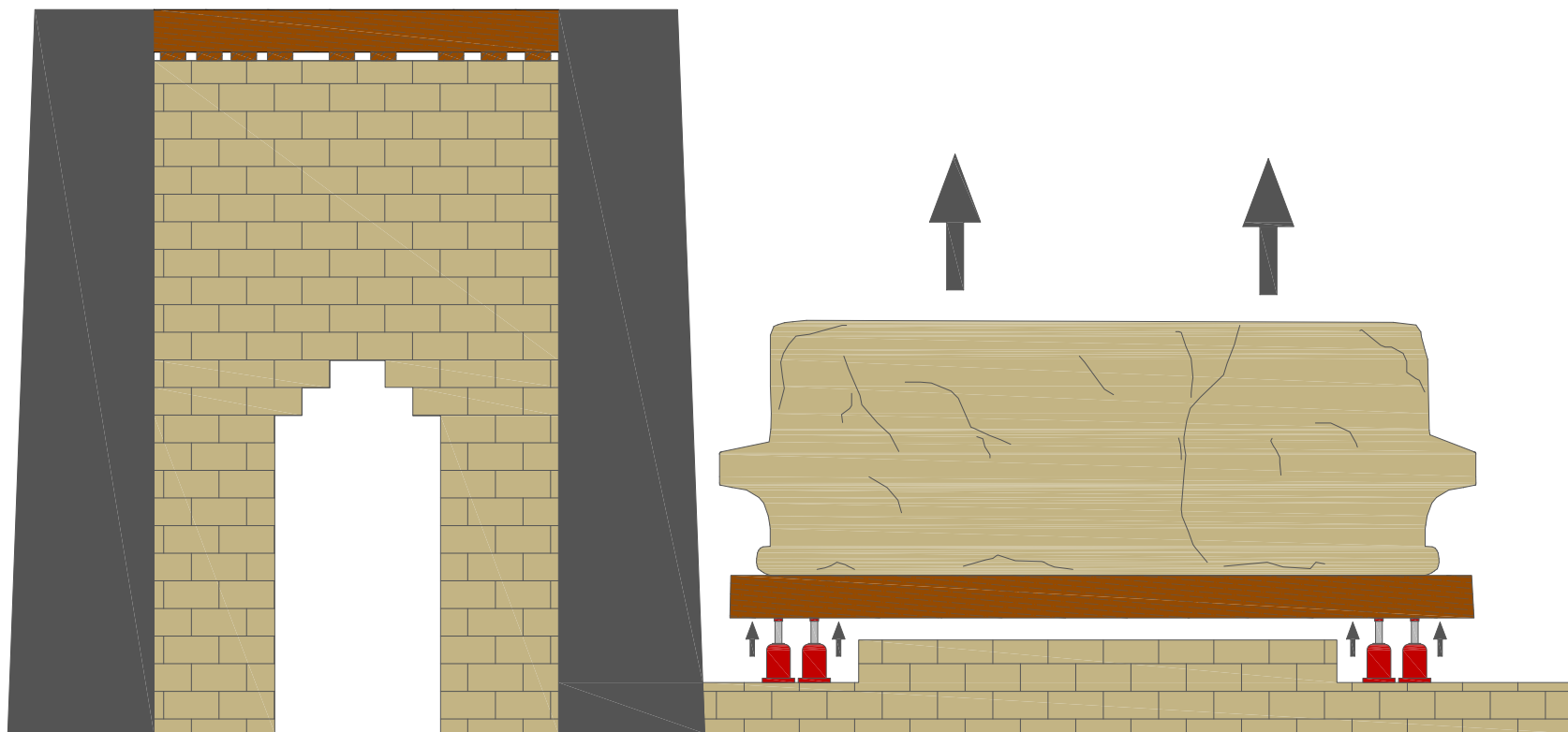


Anastylose de la Chapelle de Thoutmosis III
Musée de Plein Air
Protocole de levage de la dalle de couverture (75t)



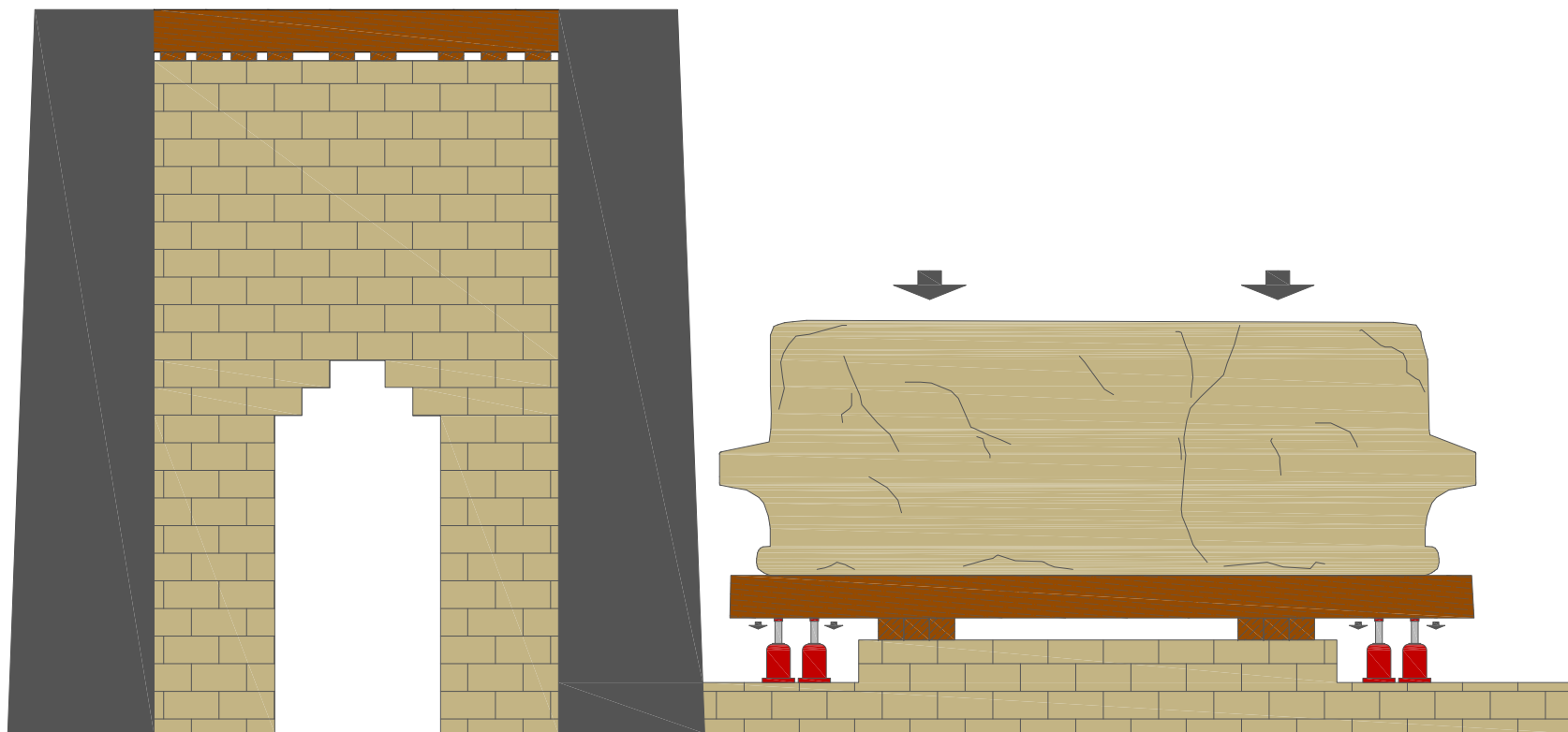
0 10 50 100cm

Phase 1
1.1. Installation des vérins.



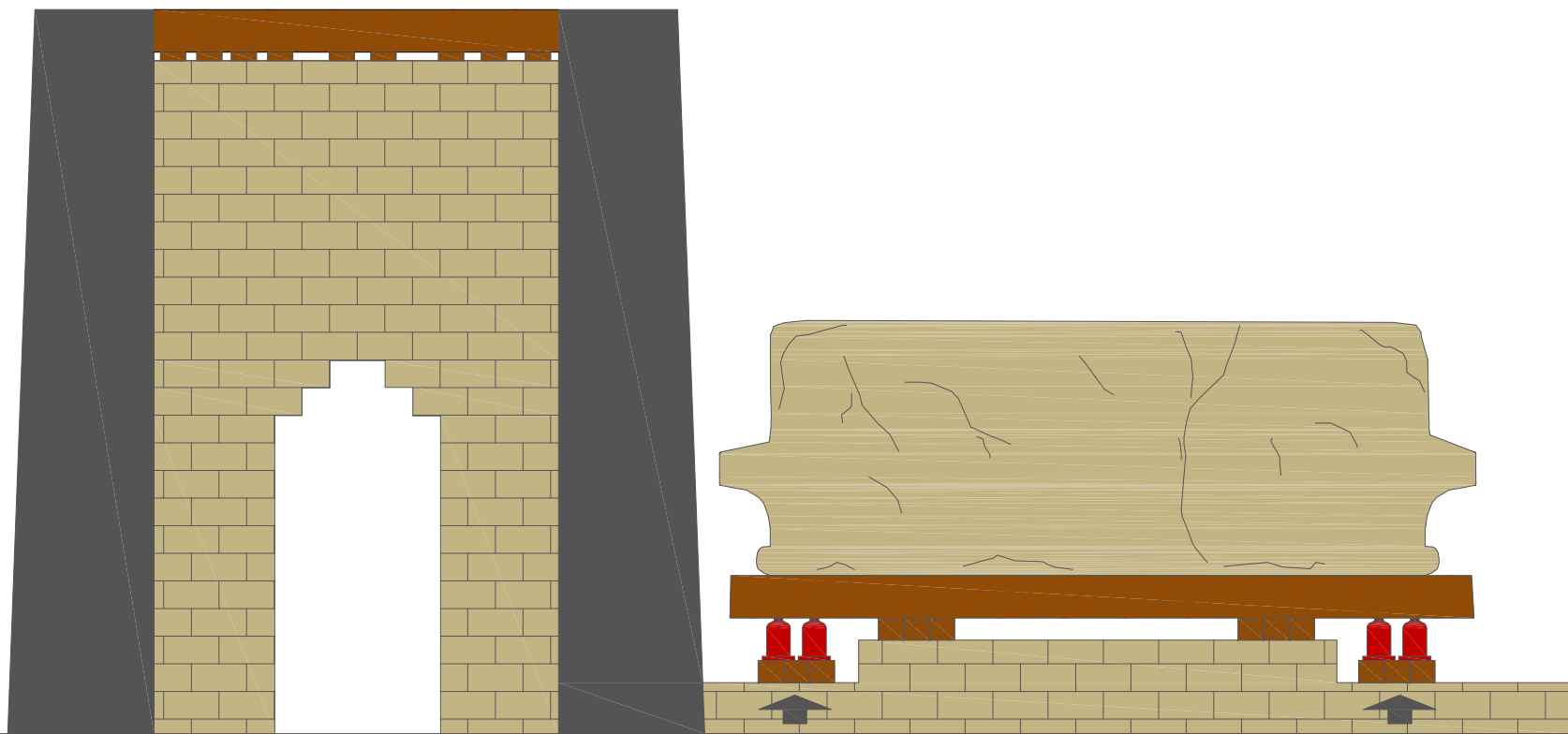
0 10 50 100cm

1.2. Levage



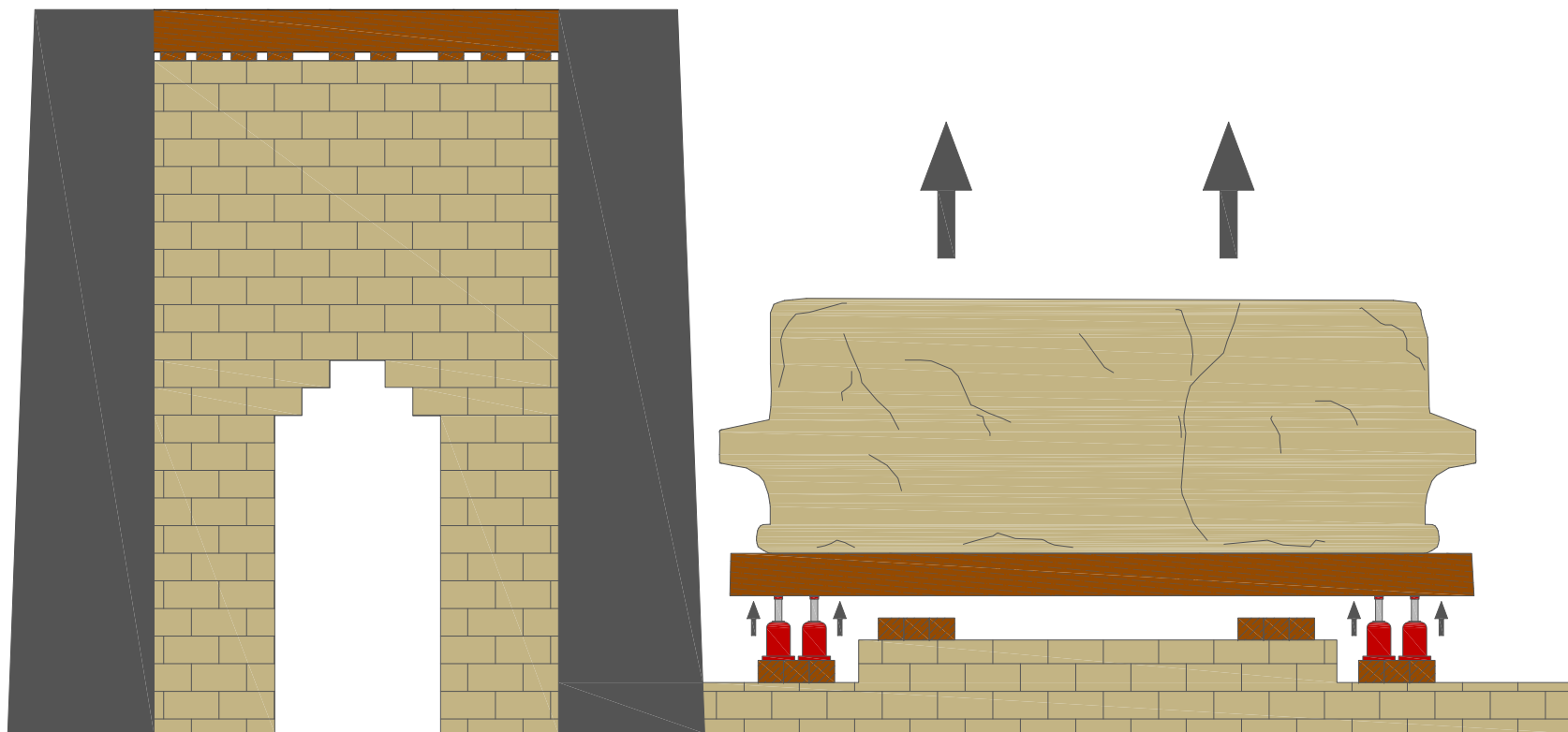
0 10 50 100cm

1.3. Pose sur premières cales centrales.



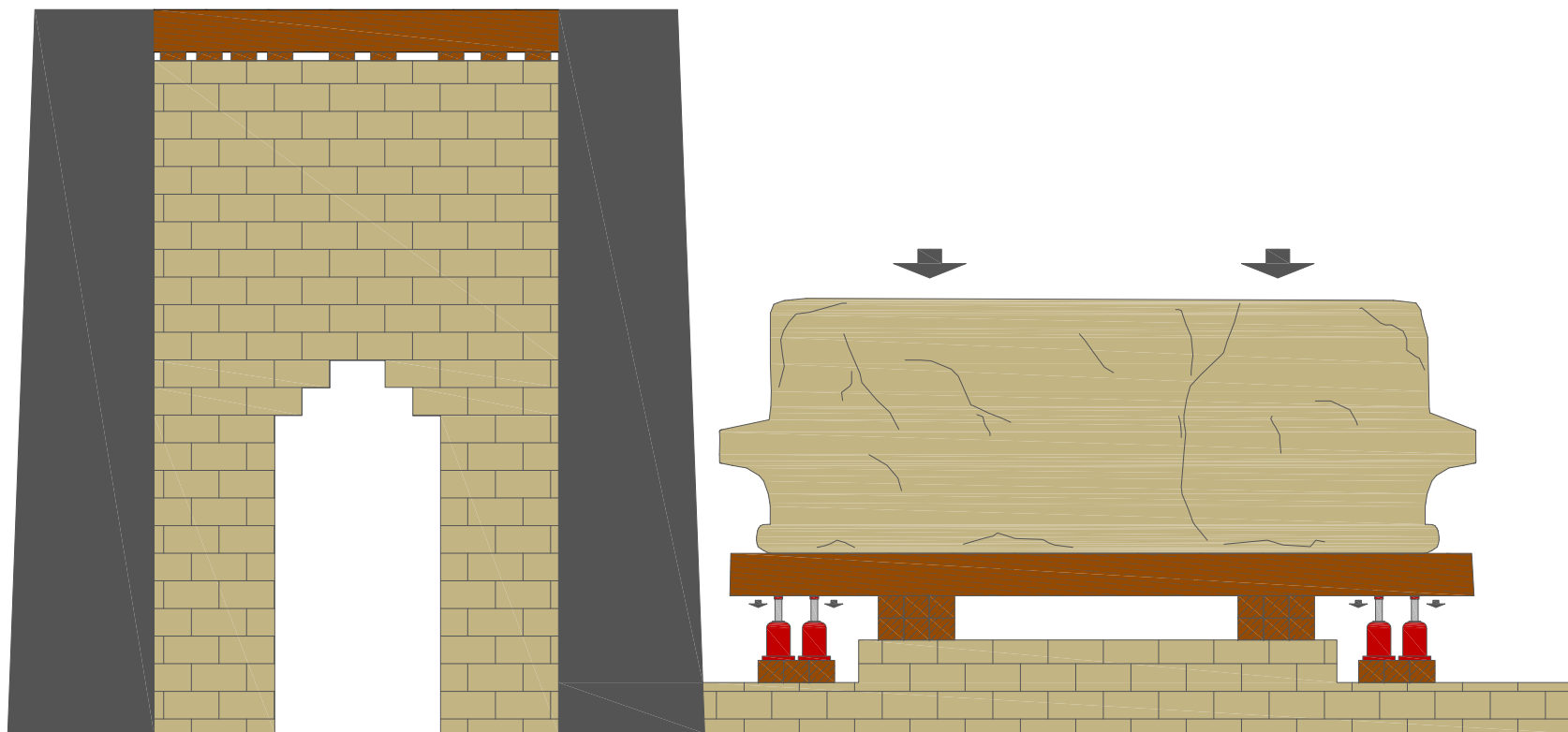
0 10 50 100cm

1.4. Rehaussement des vérins à l'aide de cales.



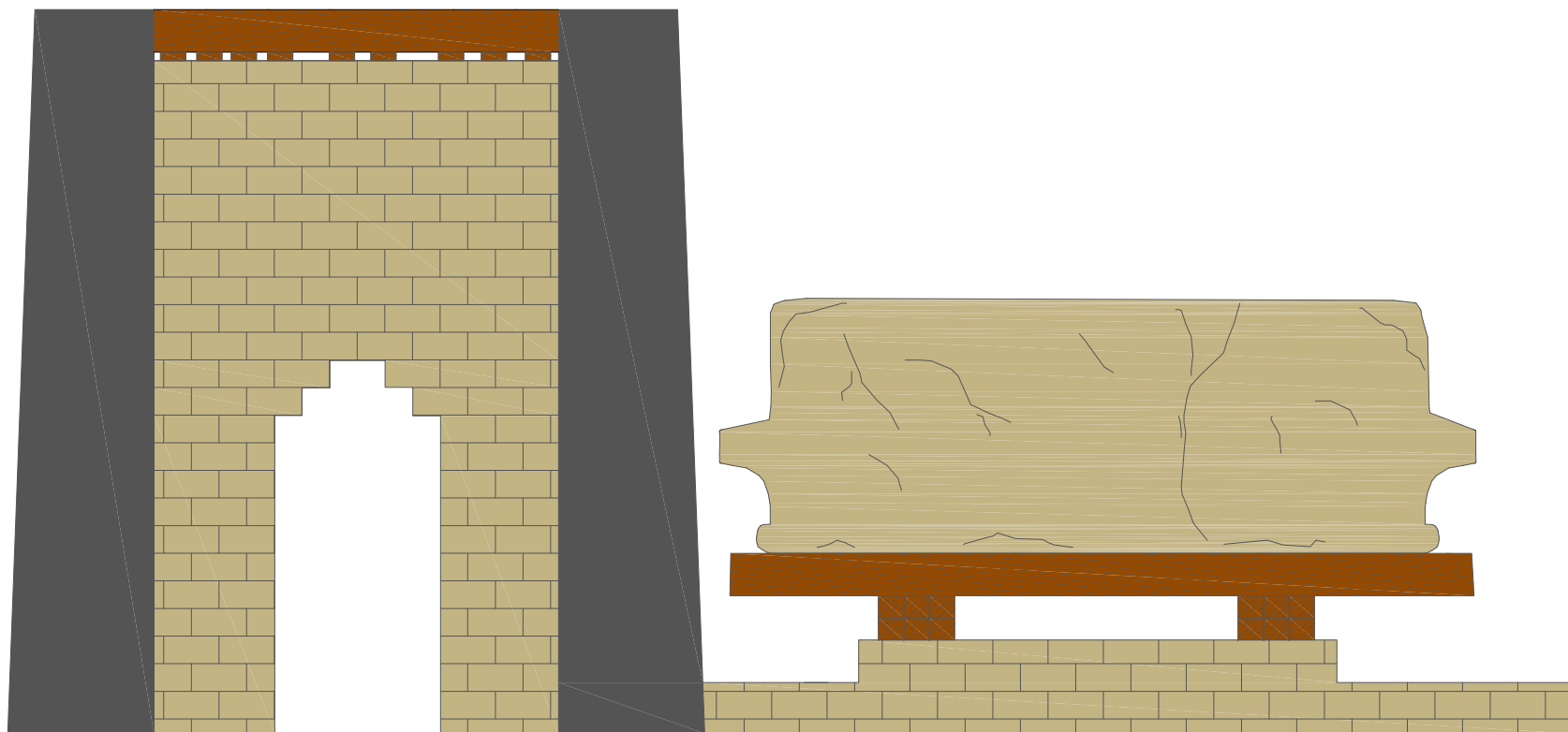
1.5. Levage

0 10 50 100cm



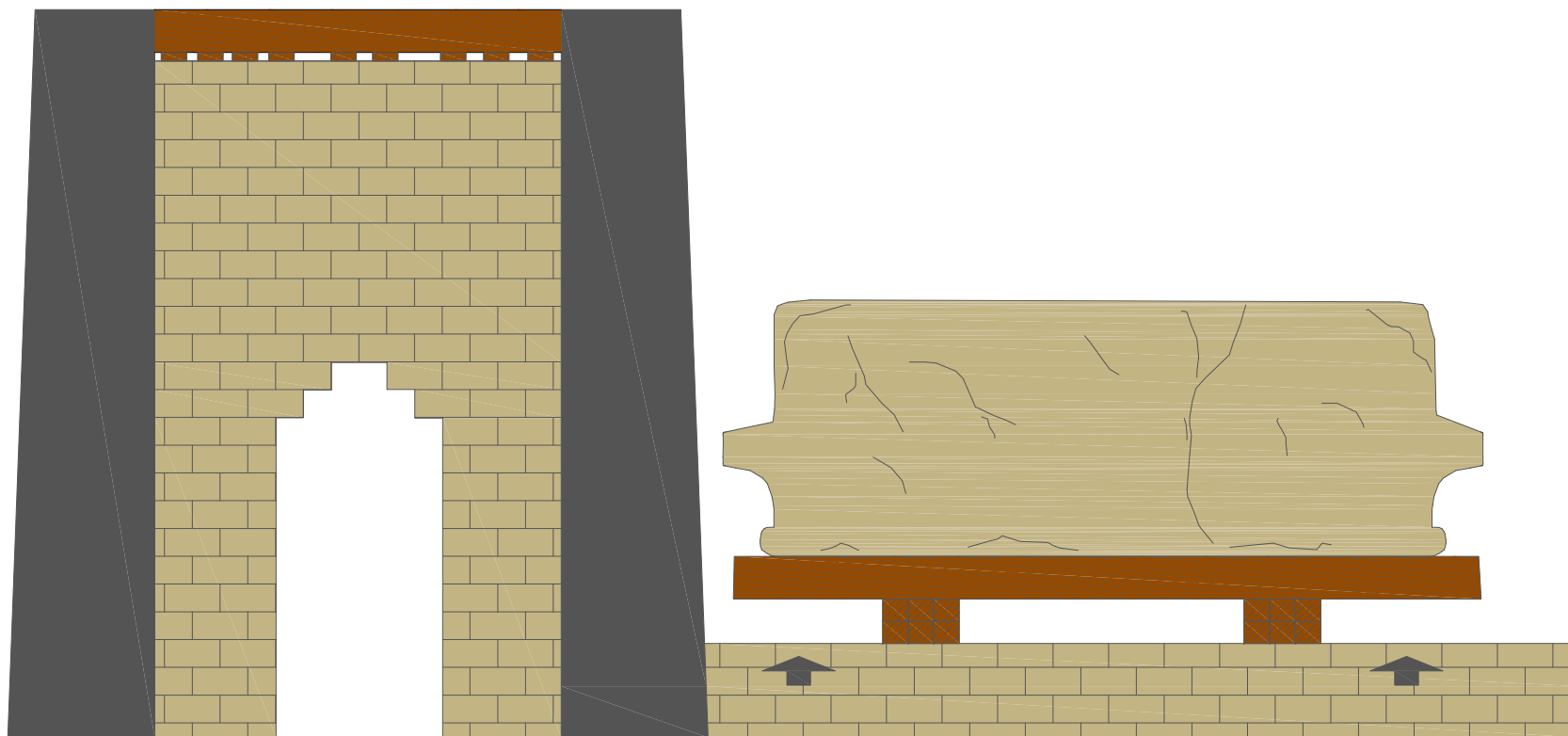
1.6.. Pose sur les deuxièmes cales centrales.

0 10 50 100cm



0 10 50 100cm

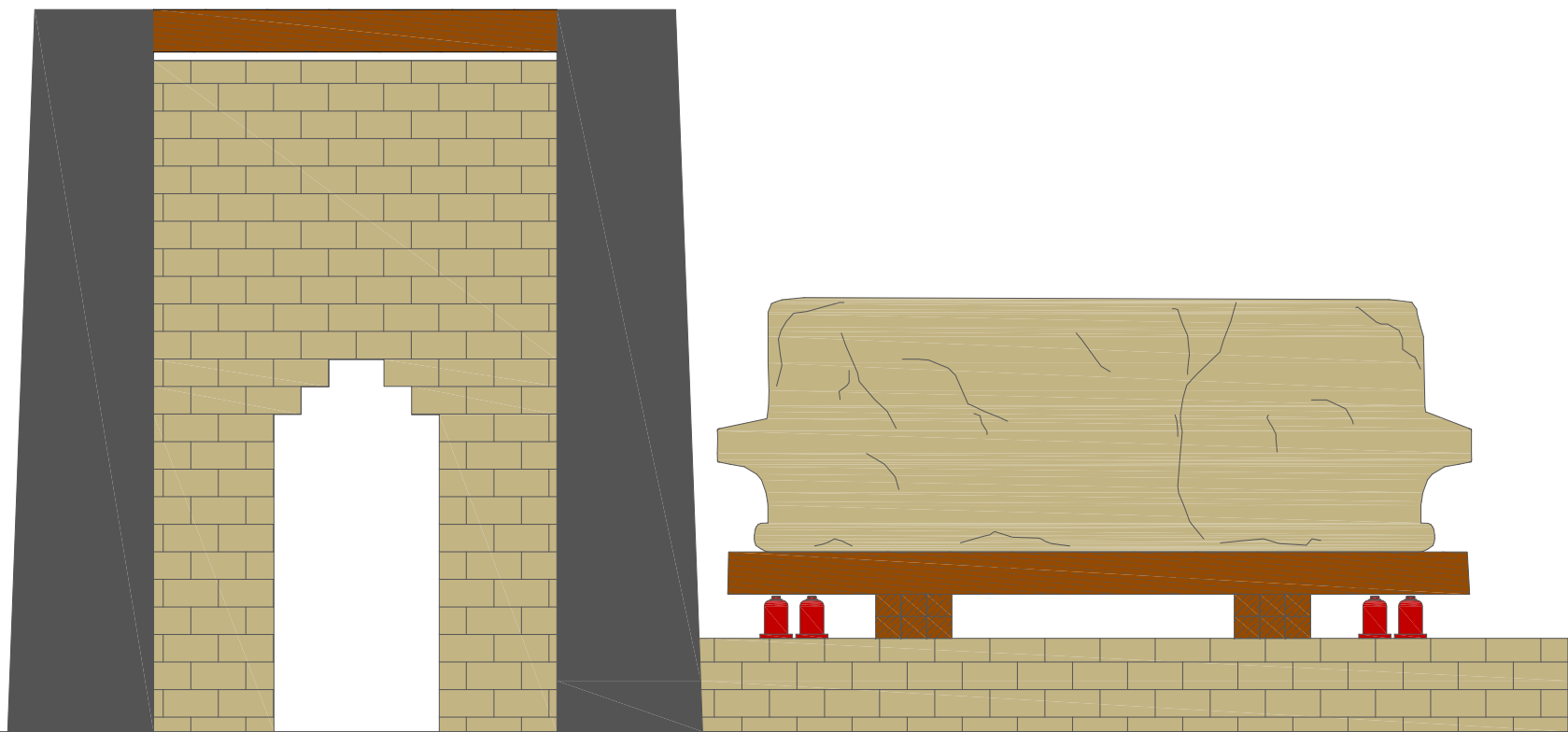
1.7. Retrait des vérins



Phase 2

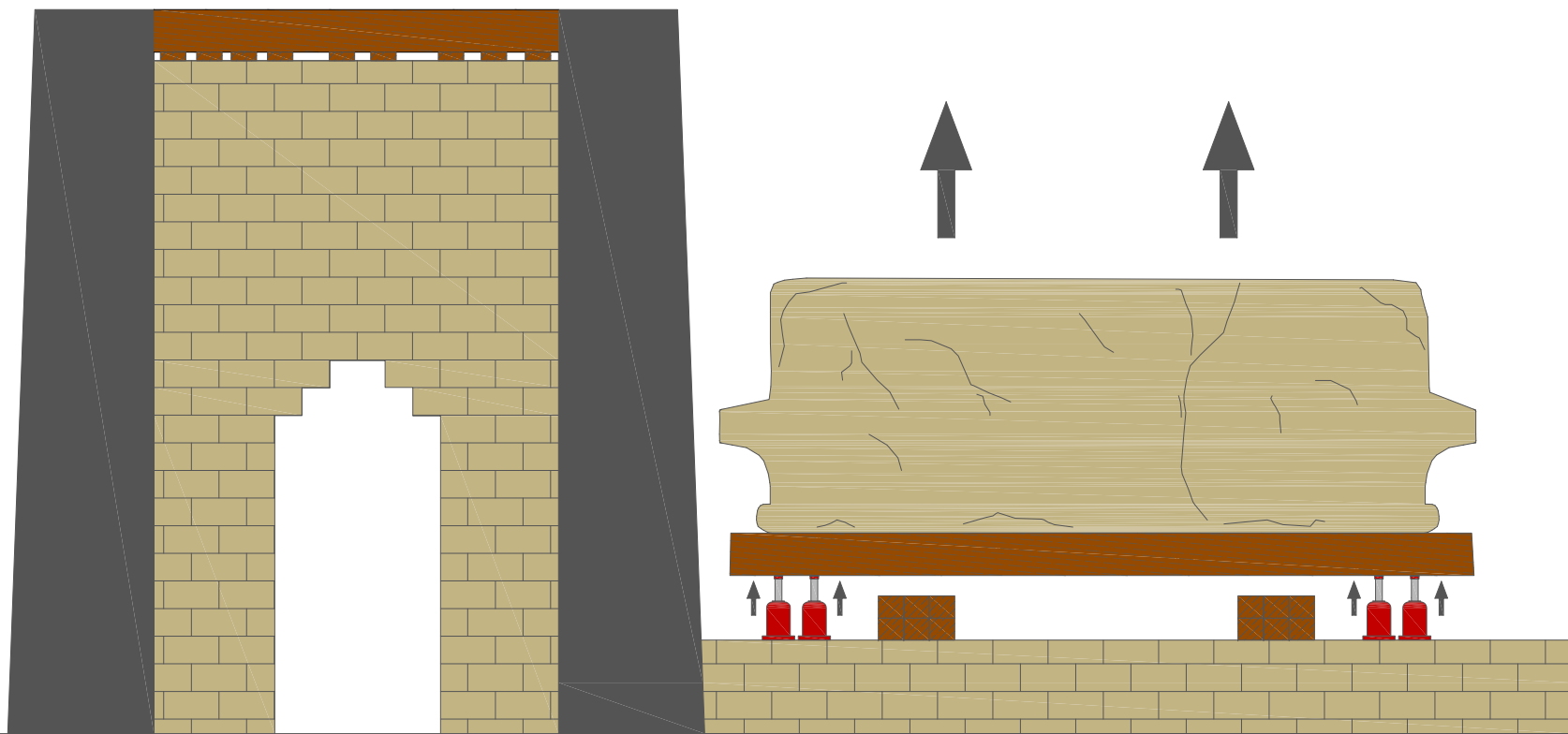
2.1. Rehaussement de la maçonnerie sur sa partie basse

0 10 50 100cm



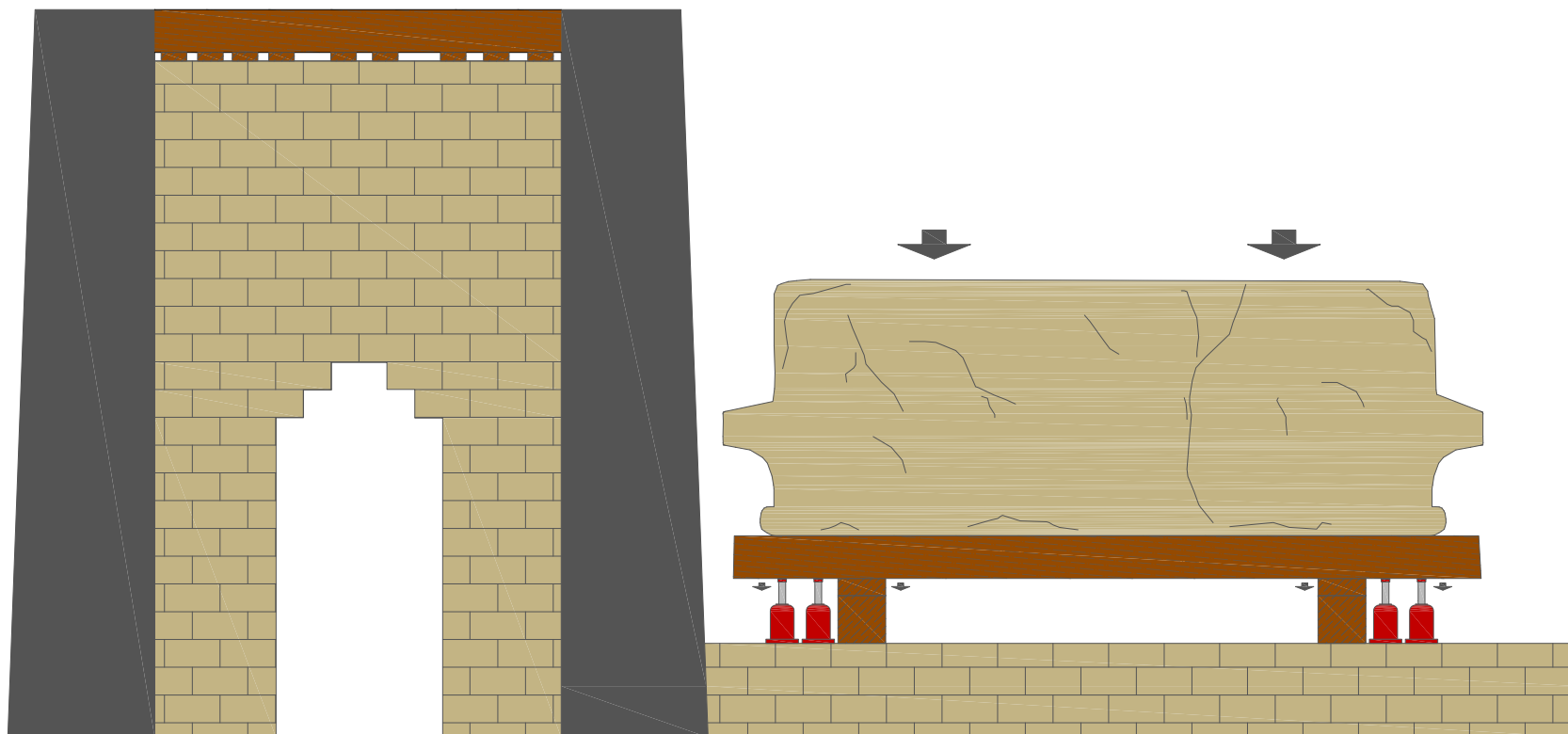
2.2. Installation des vérins.

0 10 50 100cm

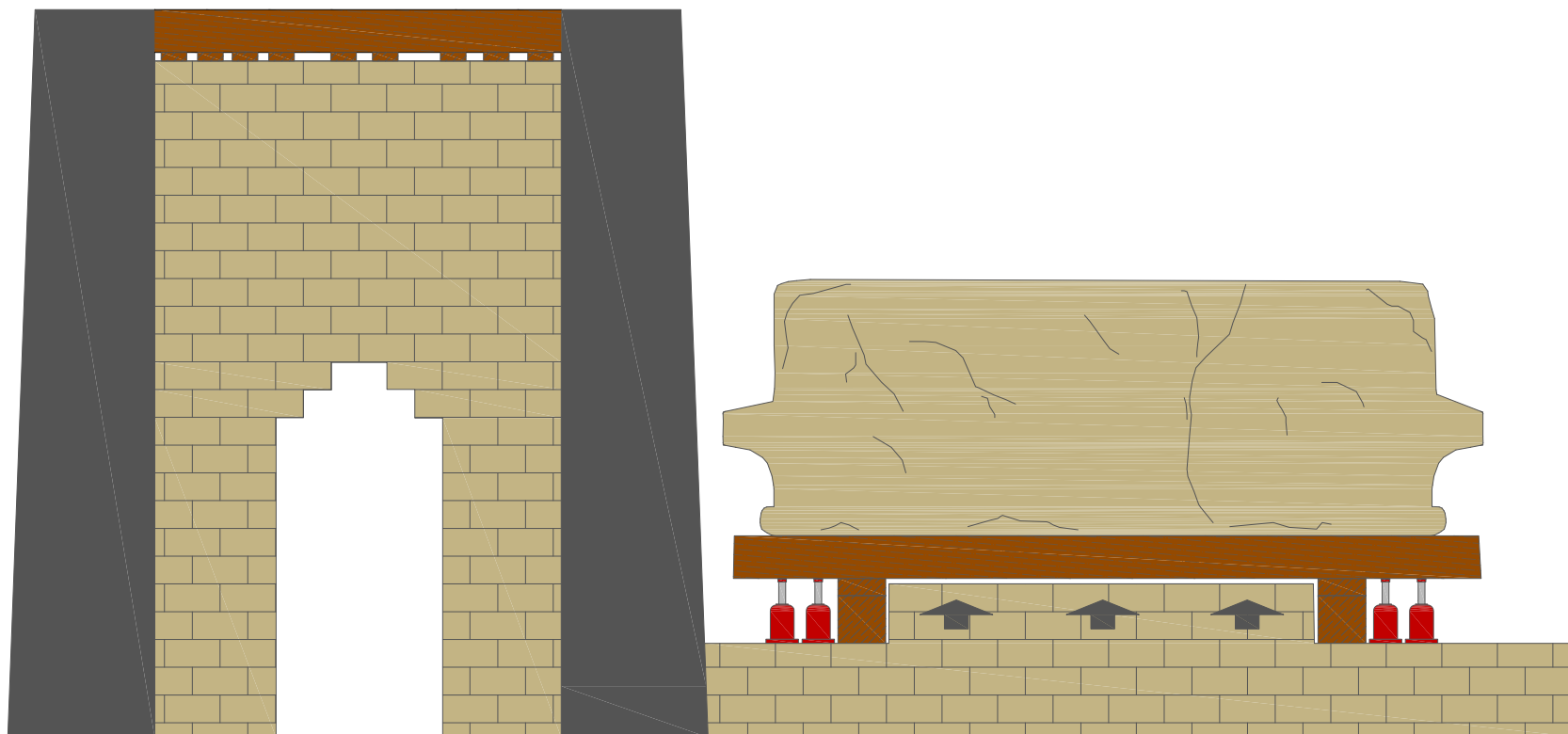


0 10 50 100cm

2.3. Levage

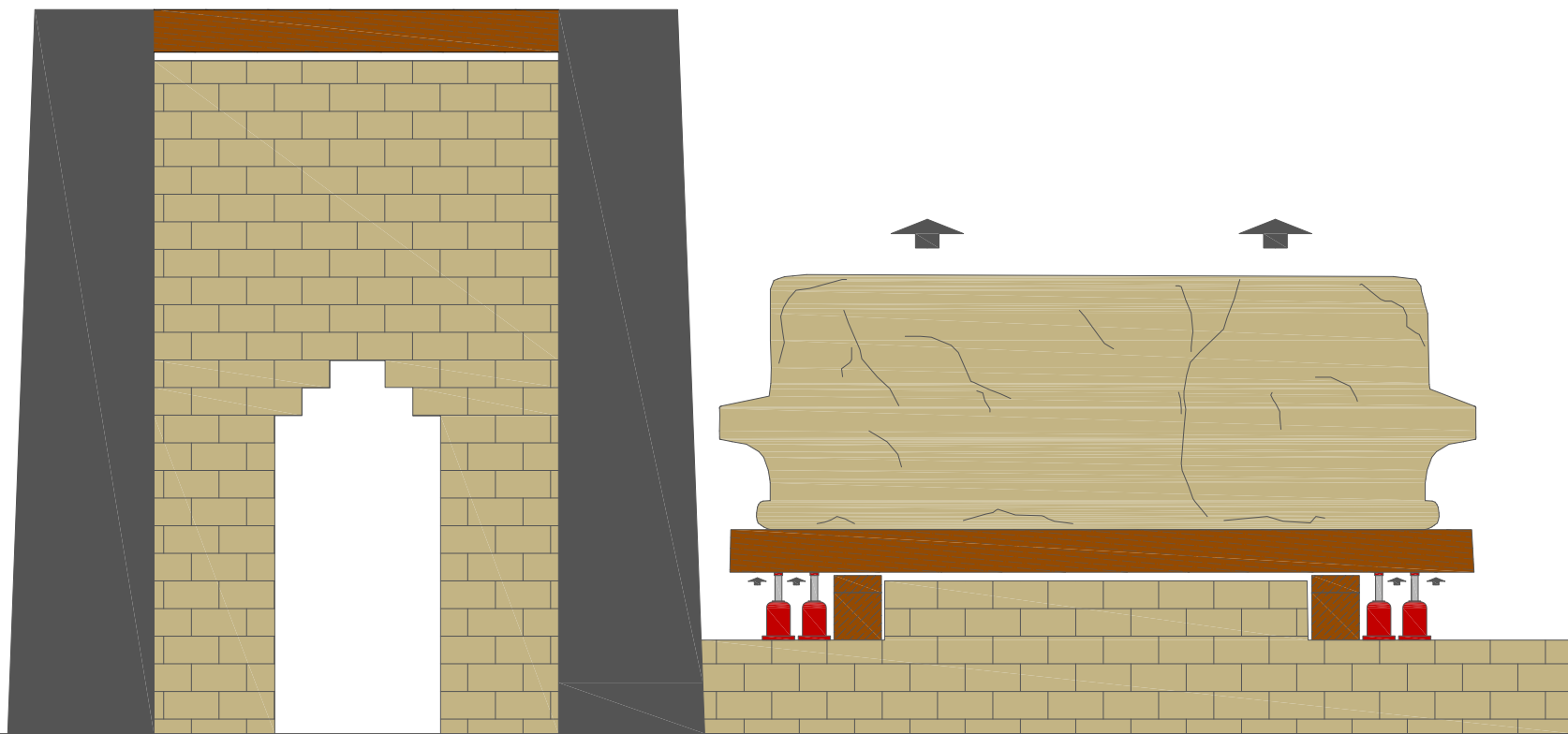


2.4. Retrait des cales centrales et pose sur cales étroites contre les vérins



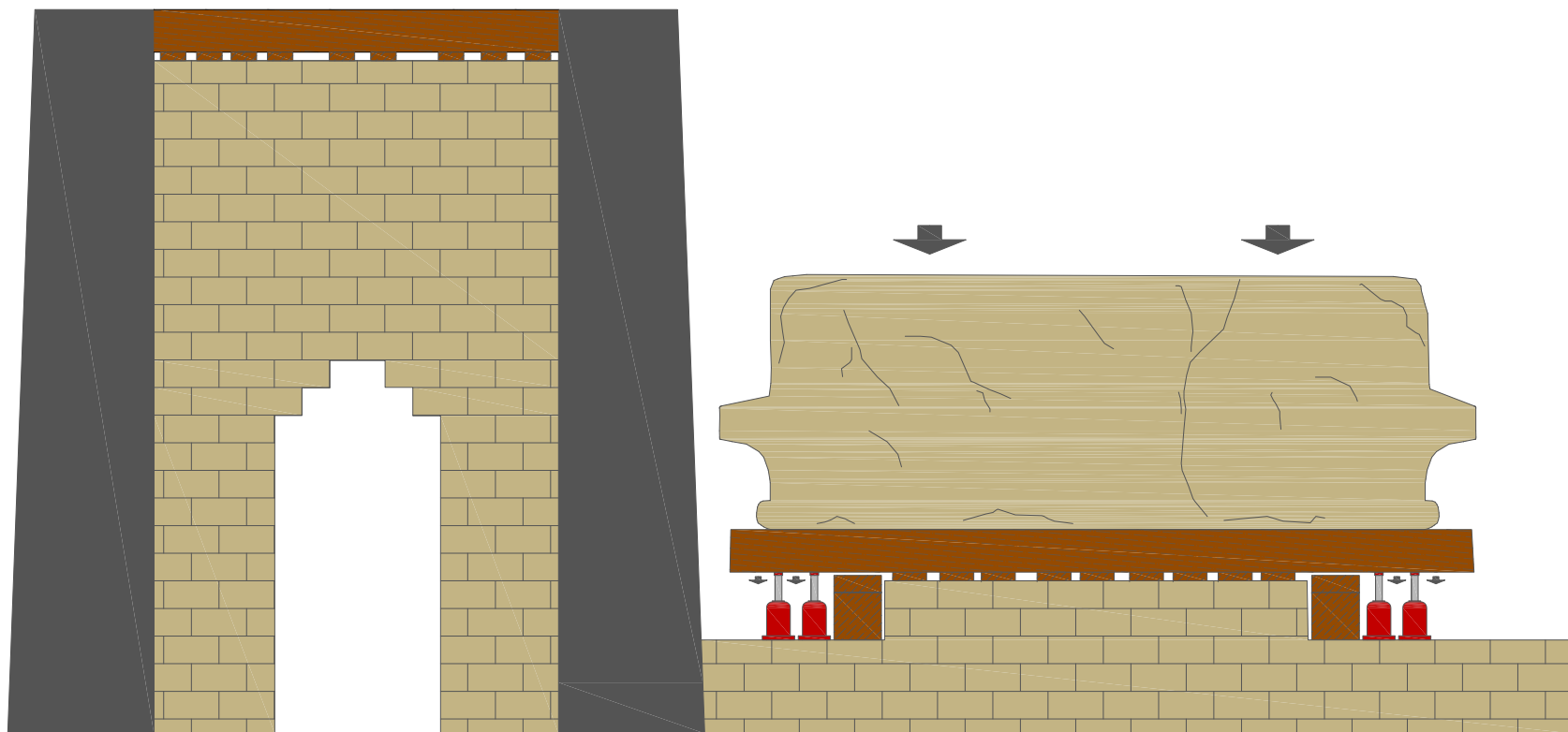
Phase 3
3.1. Rehaussement de la maçonnerie centrale

0 10 50 100cm



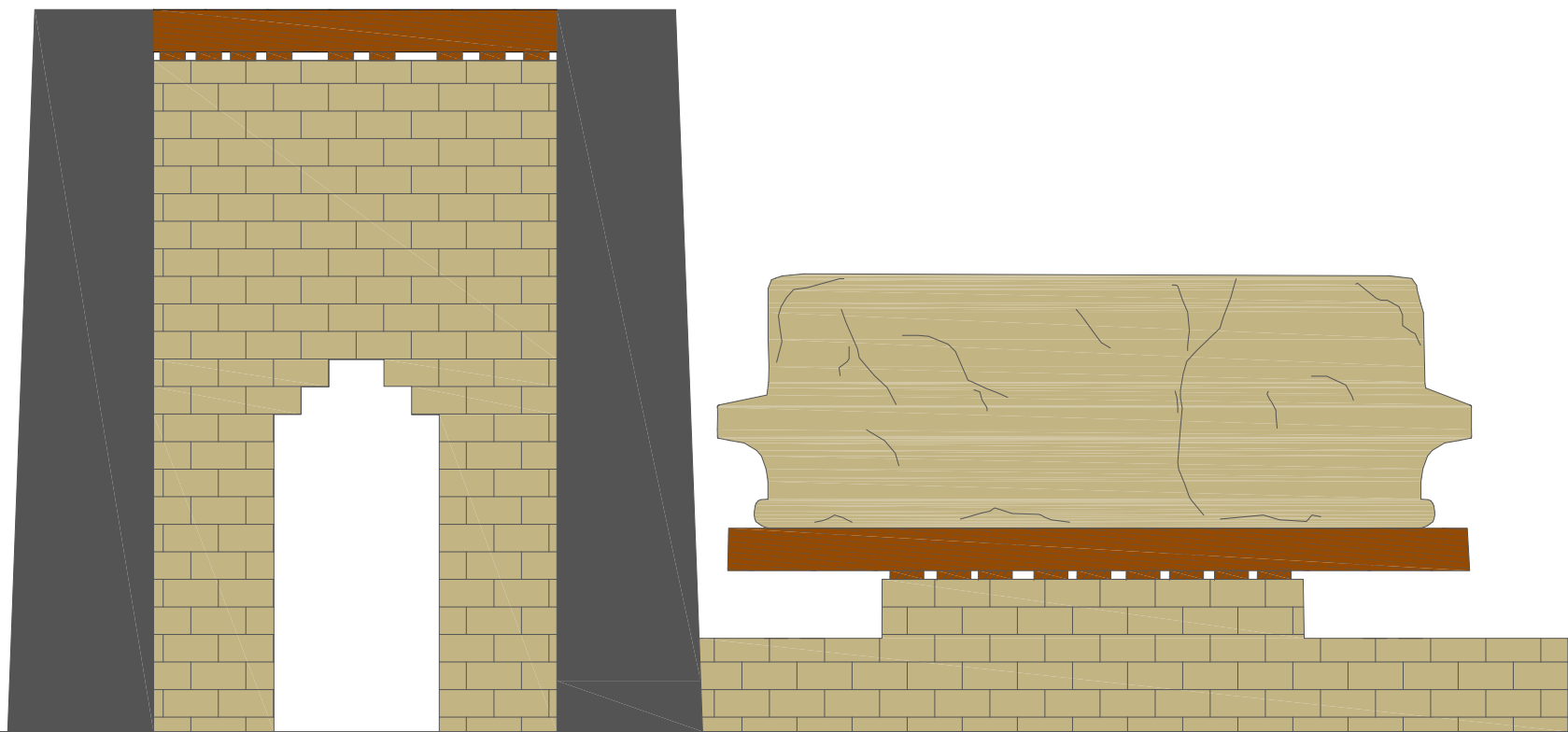
0 10 50 100cm

3.2. Levage de 2cm pour retrait des cales



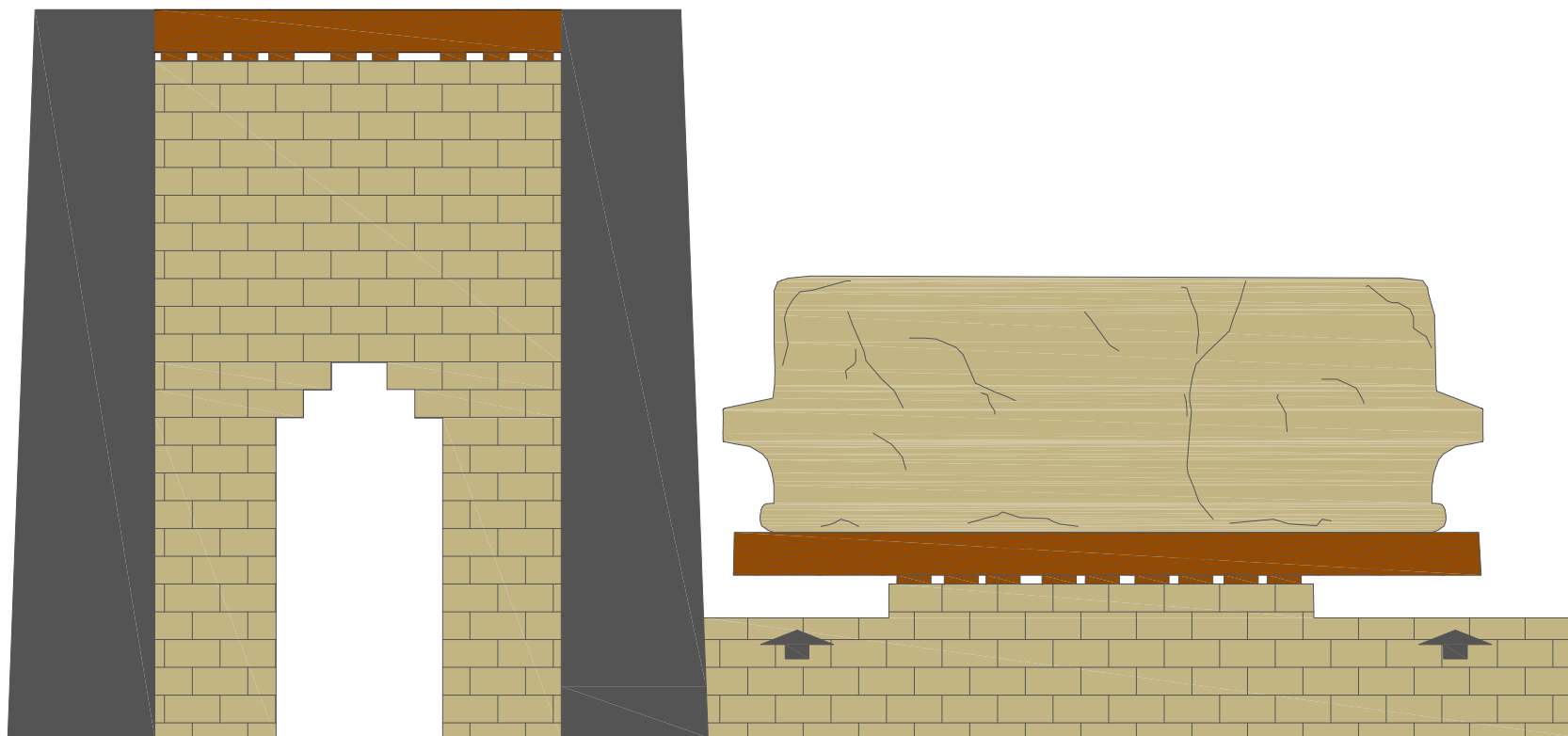
3.3. Pose sur cales centrales

0 10 50 100cm



3.4. Retraits des cales et des vérins

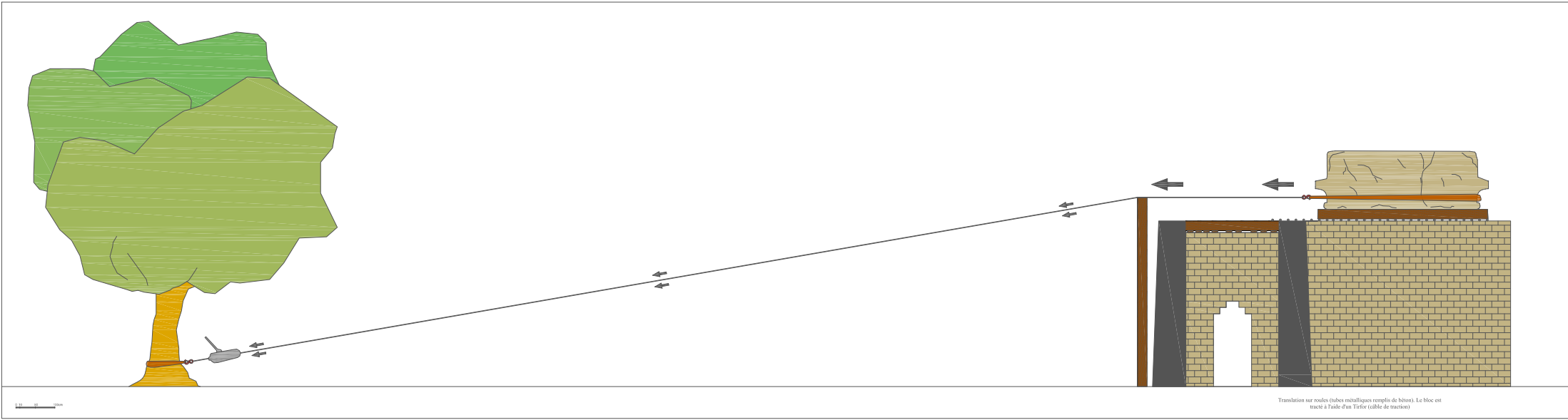
0 10 50 100cm



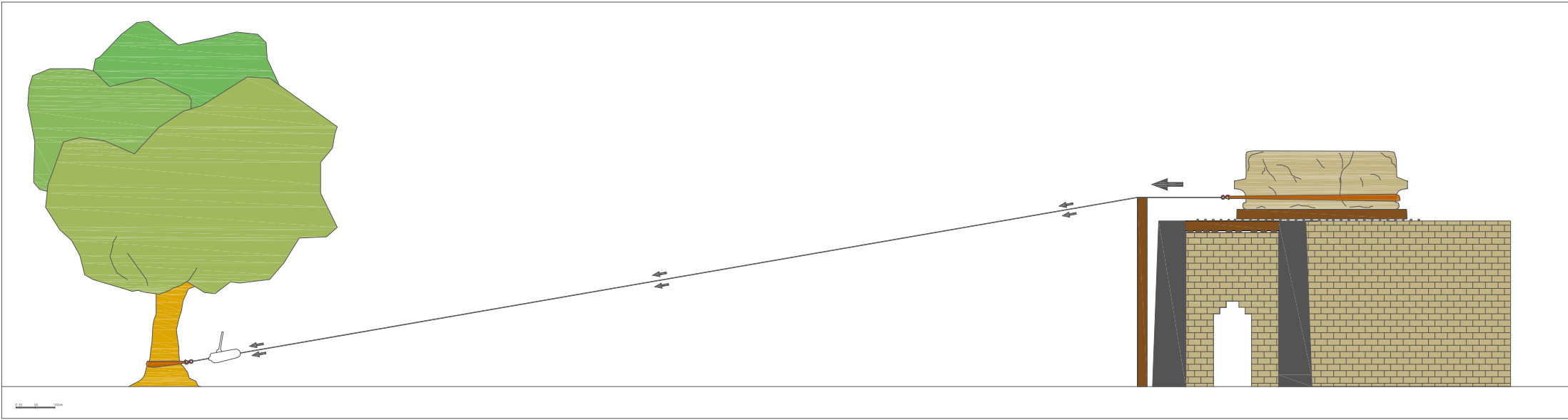
Phase 4

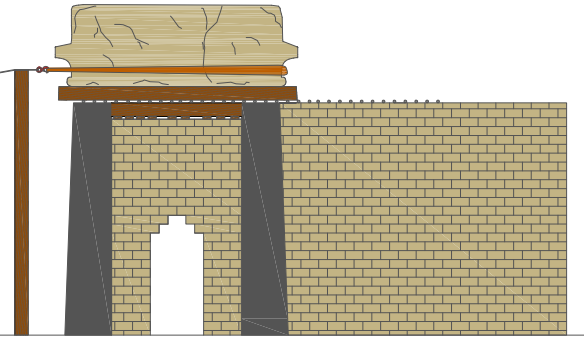
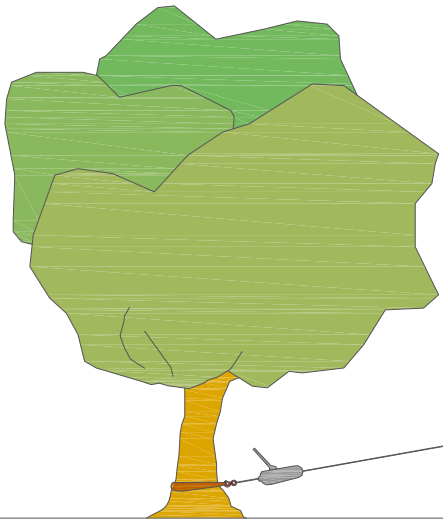
Rehaussement de la maçonnerie basse pour réinstallation des vérins.
= retour Phase 1 jusqu'au sommet de la chapelle.

0 10 50 100cm



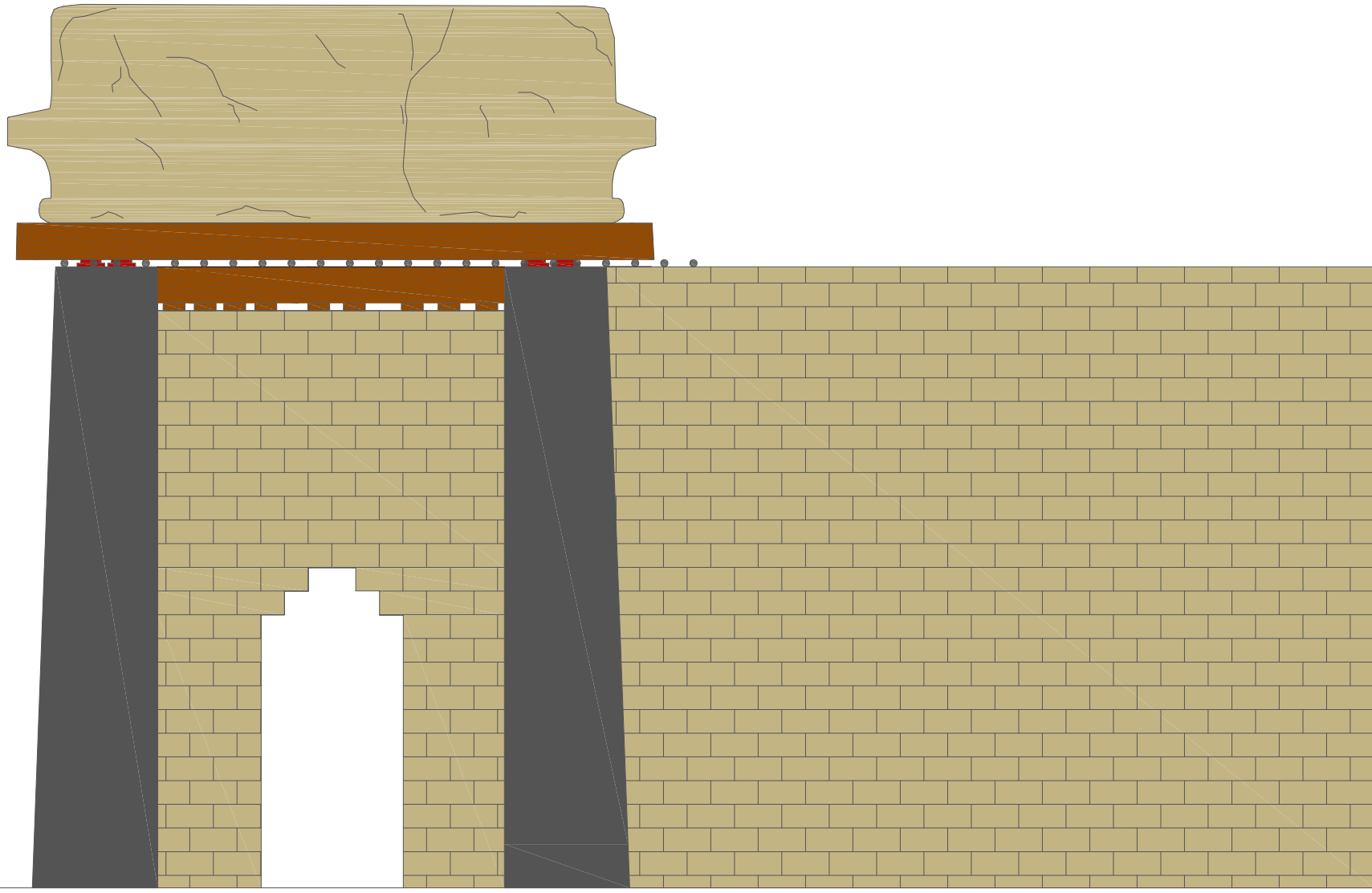
Translation sur roues (tubes métalliques remplis de béton). Le Moe est tracté à l'aide d'un Tirfor (câble de traction)





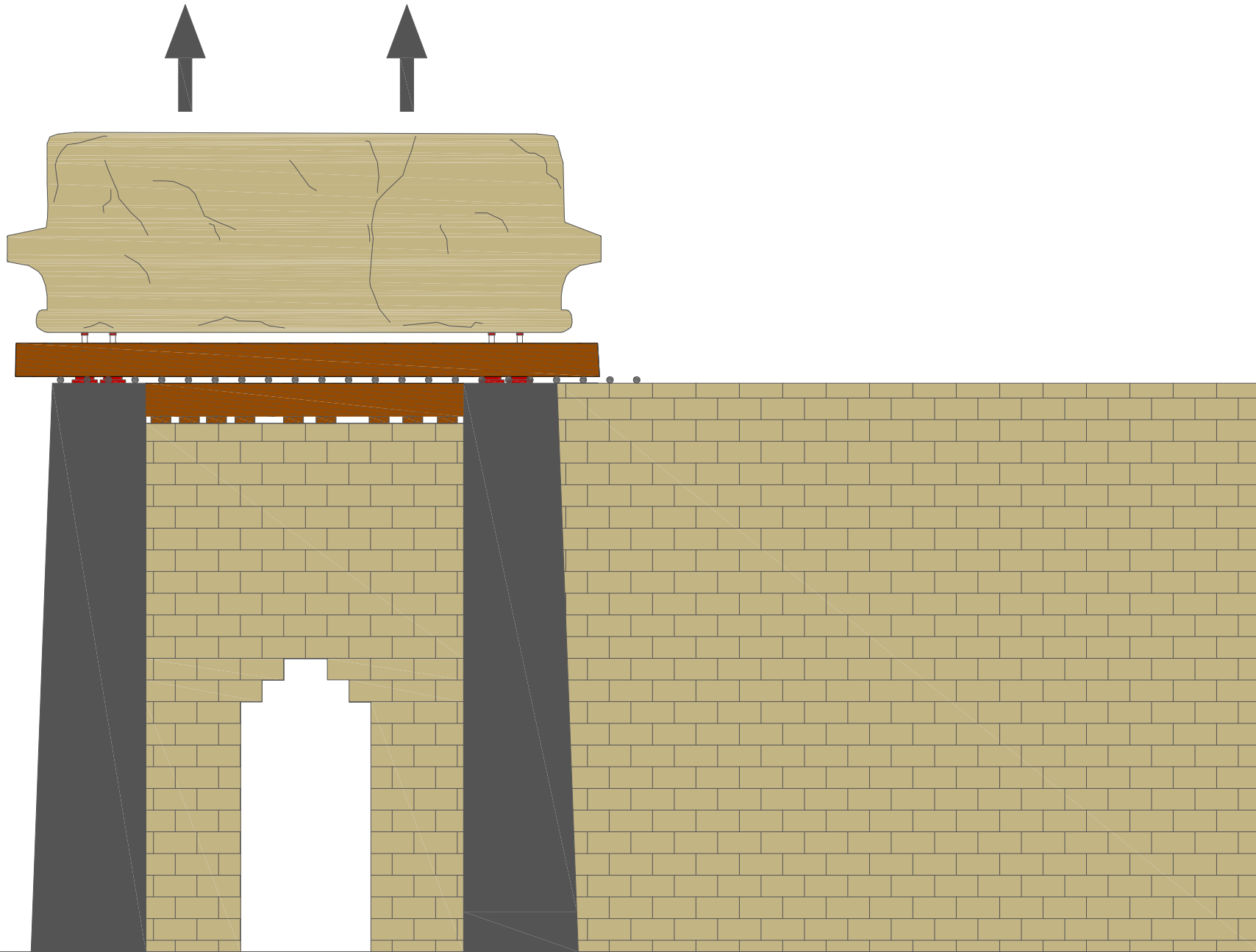
0 10 20m

La dalle de couverture est à l'aplomb de sa position définitive.



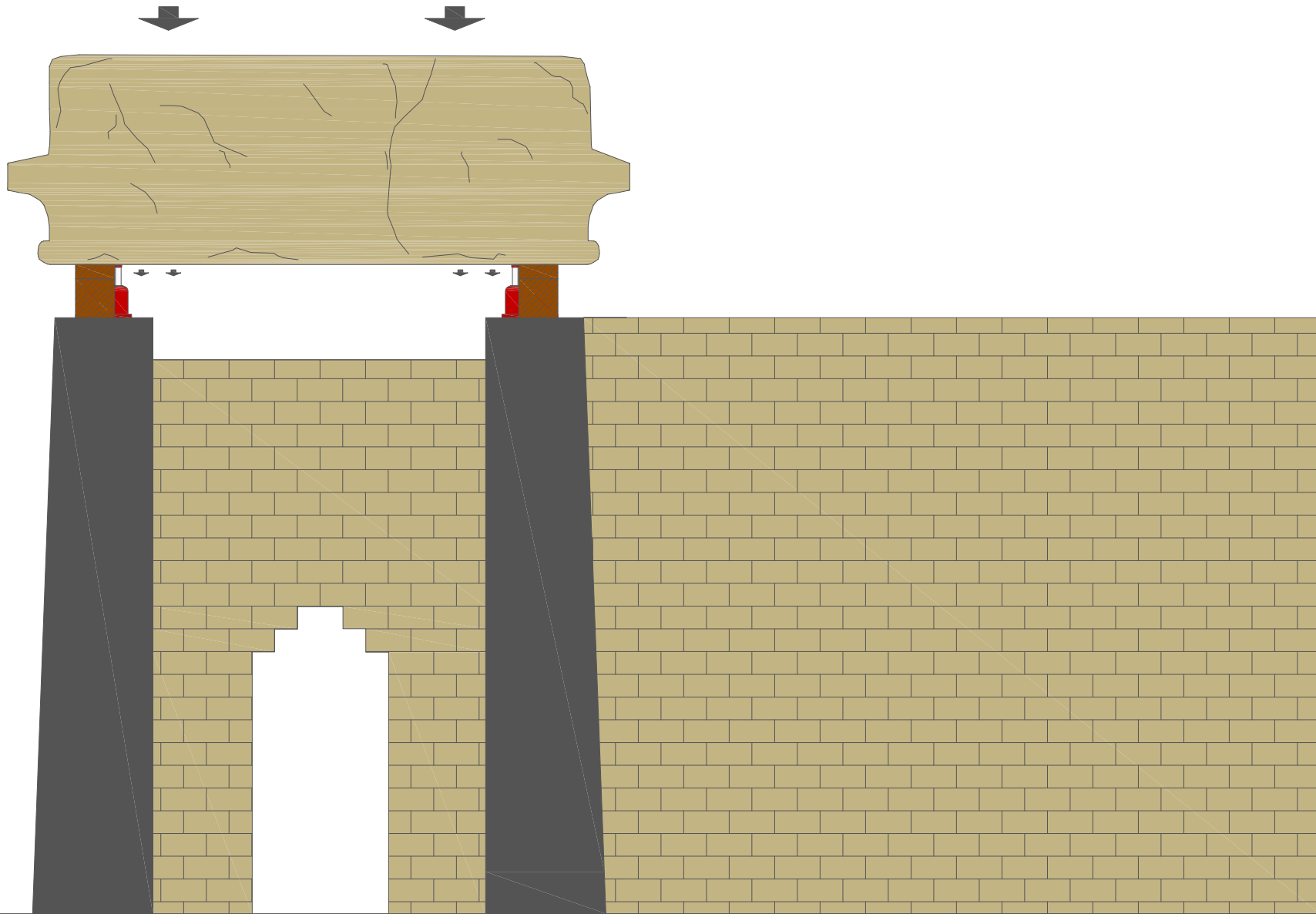
Après réglage de la position exacte de la dalle, les vérins sont installés en arrière des poutres.

0 10 50 100cm



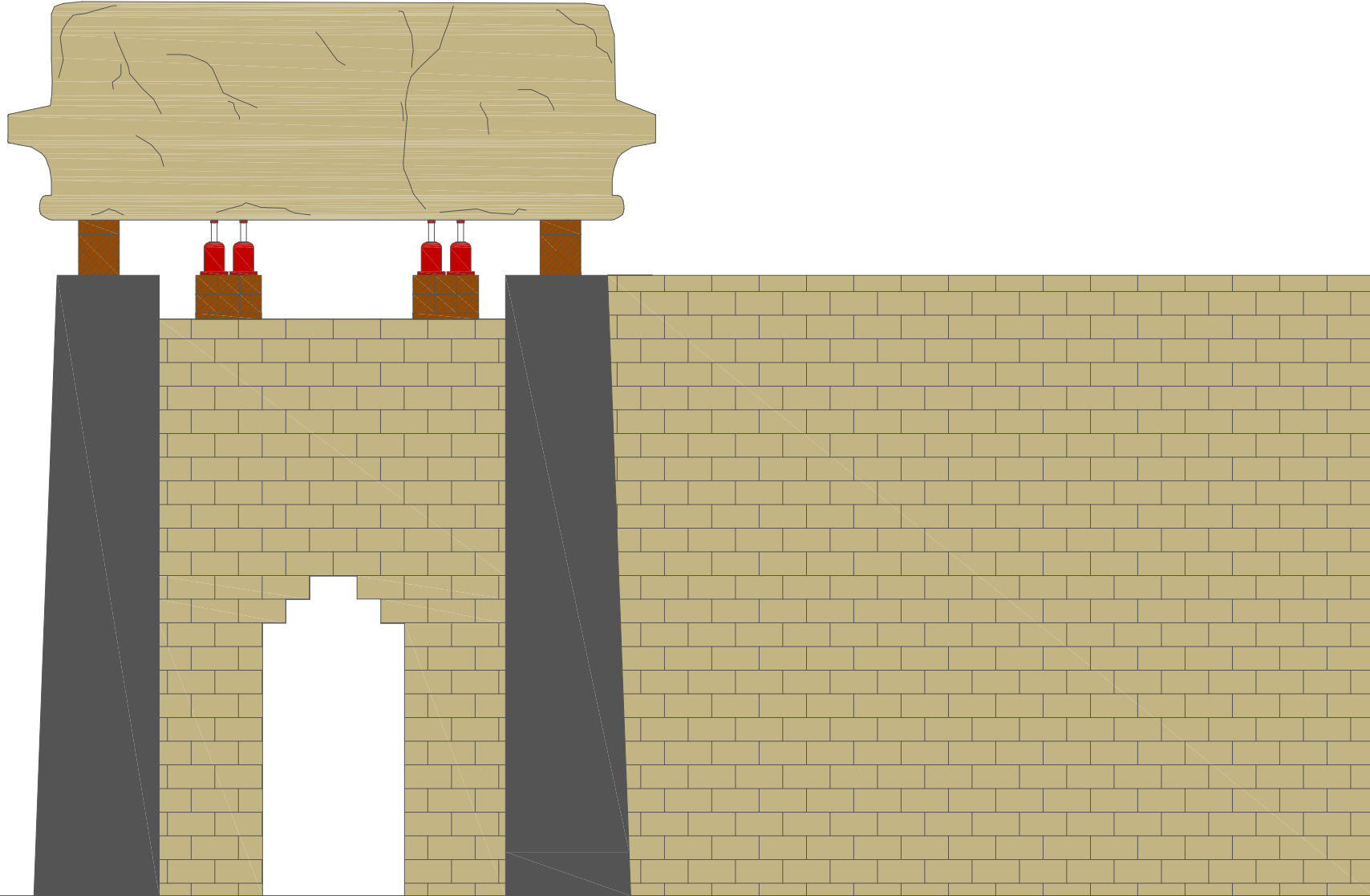
Levage.

0 10 50 100cm



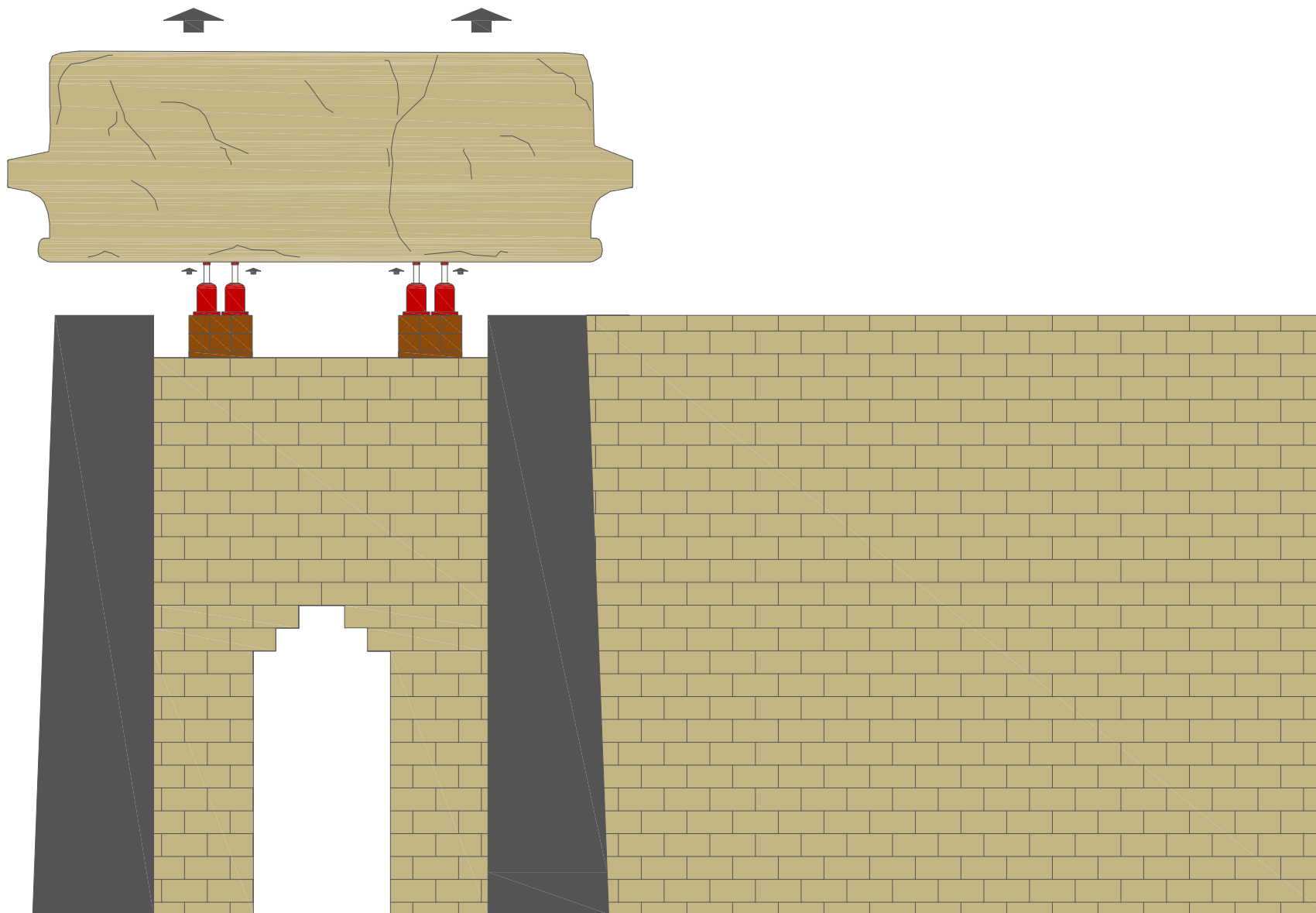
Pose sur cales au sommet des parois.

0 10 50 100cm



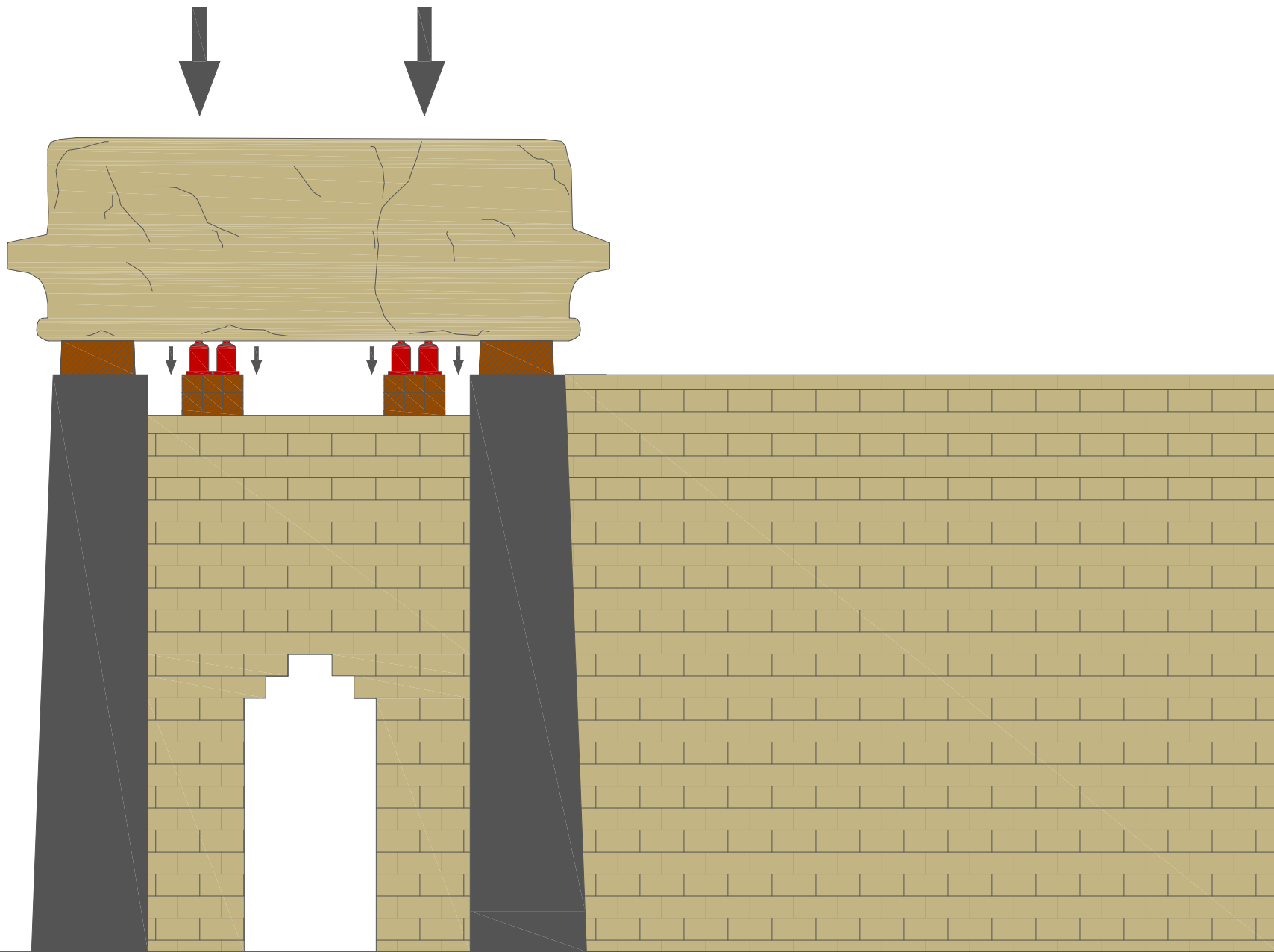
Installation des vérins en partie basse.

0 10 50 100cm



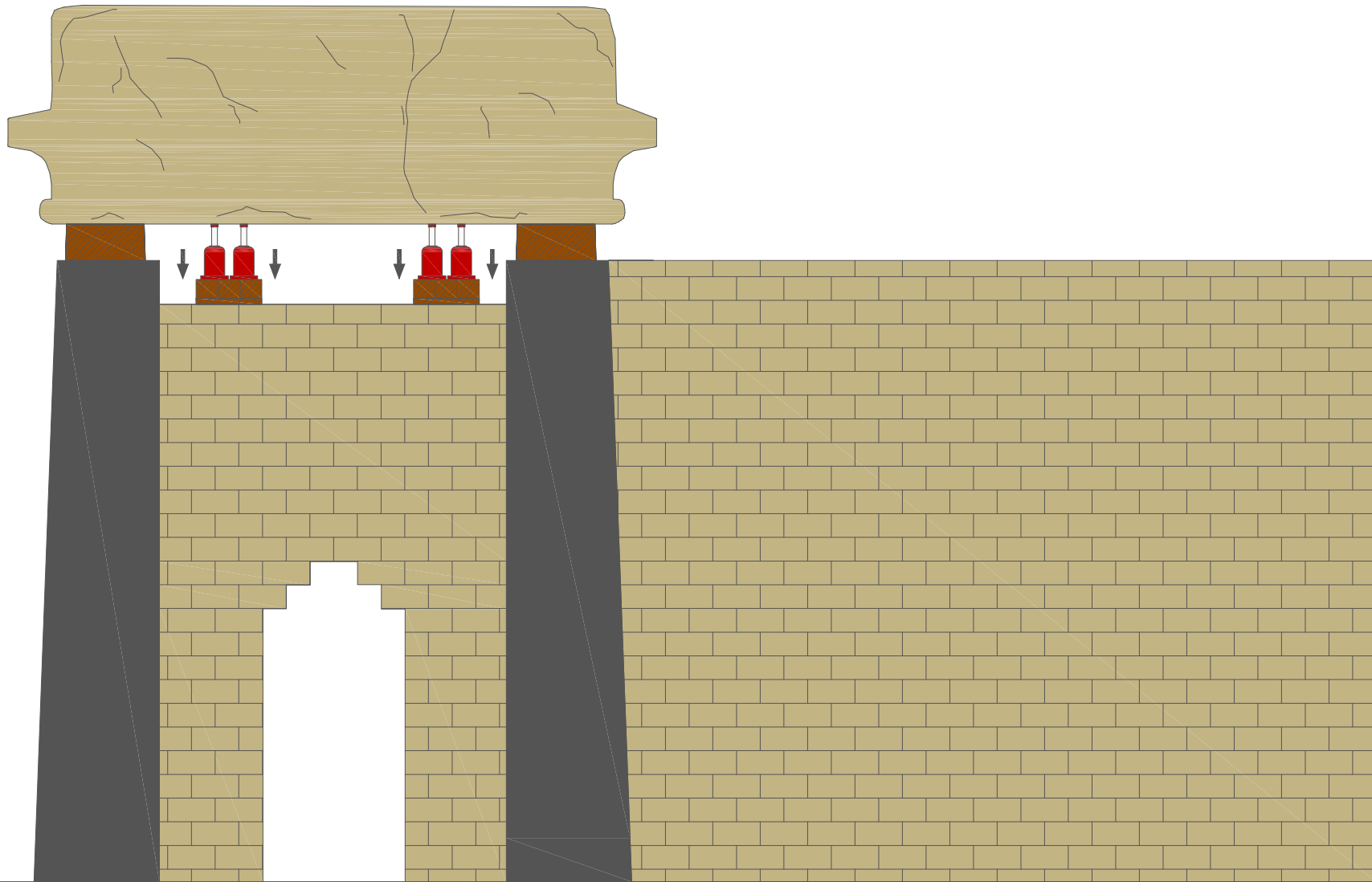
Levage (1cm) et retrait des cales.

0 10 50 100cm



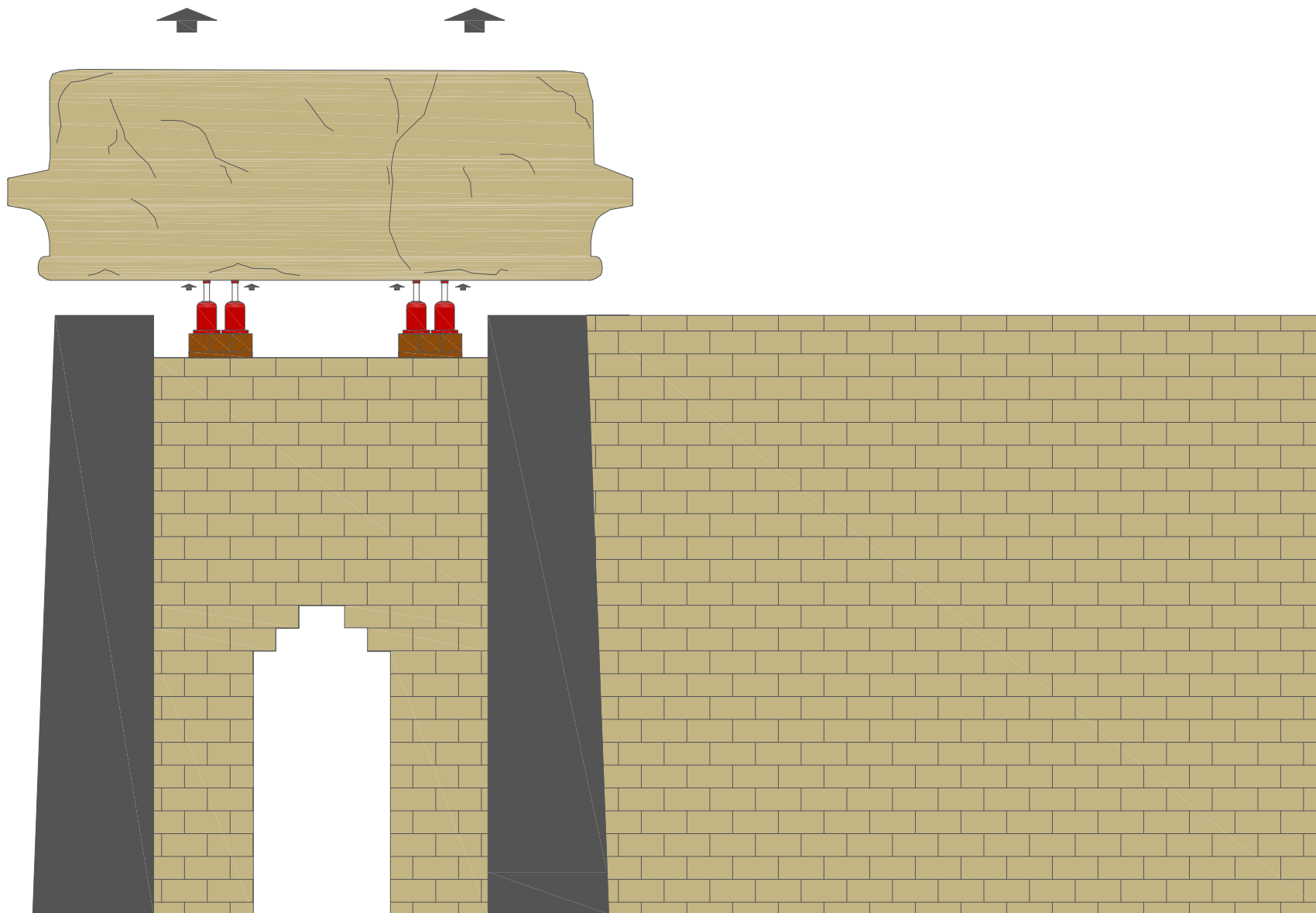
Descente du bloc sur des cales d'épaisseur inférieure.

0 10 50 100cm



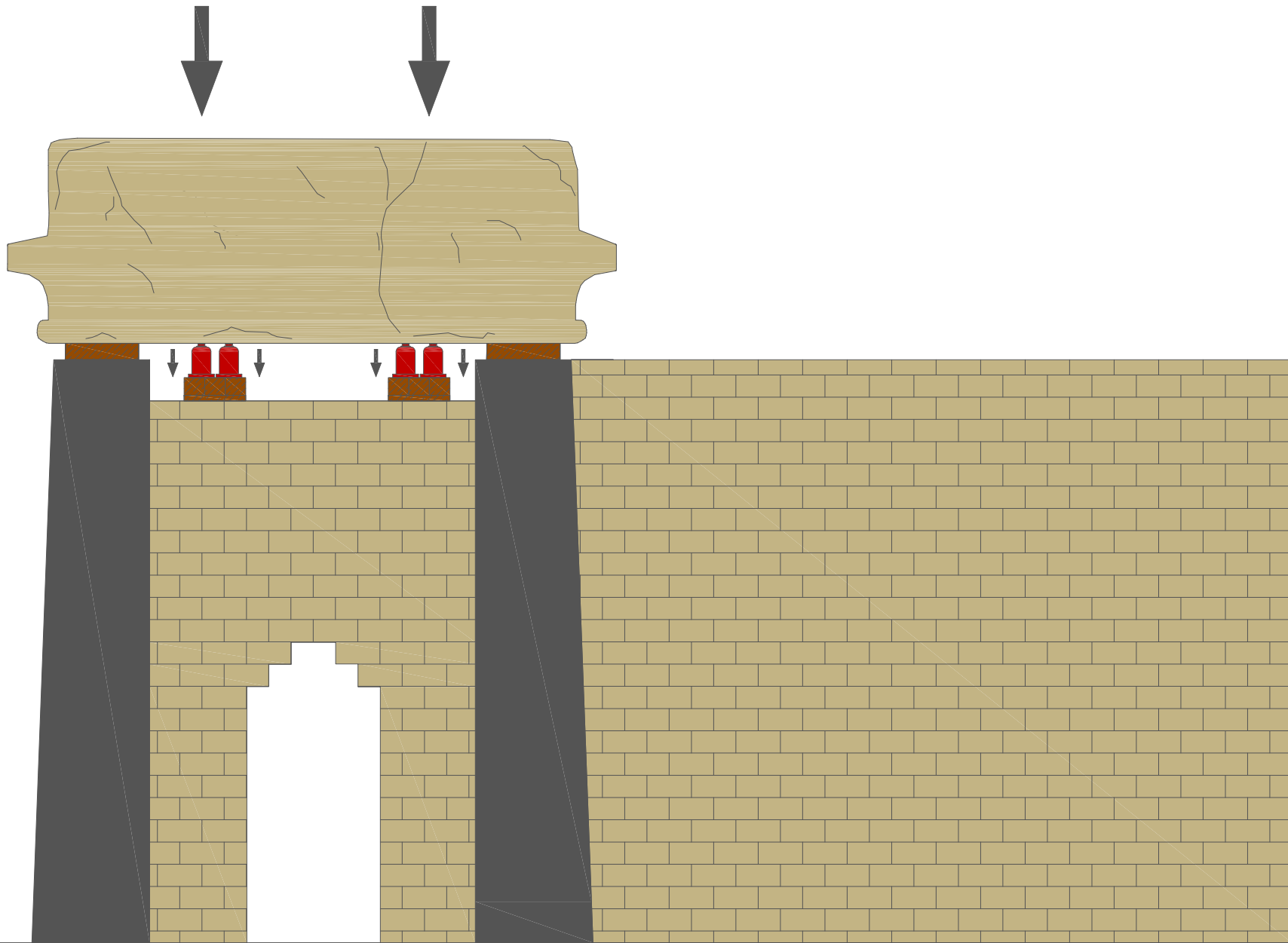
Installation des vérins à une altitude inférieure.

0 10 50 100cm



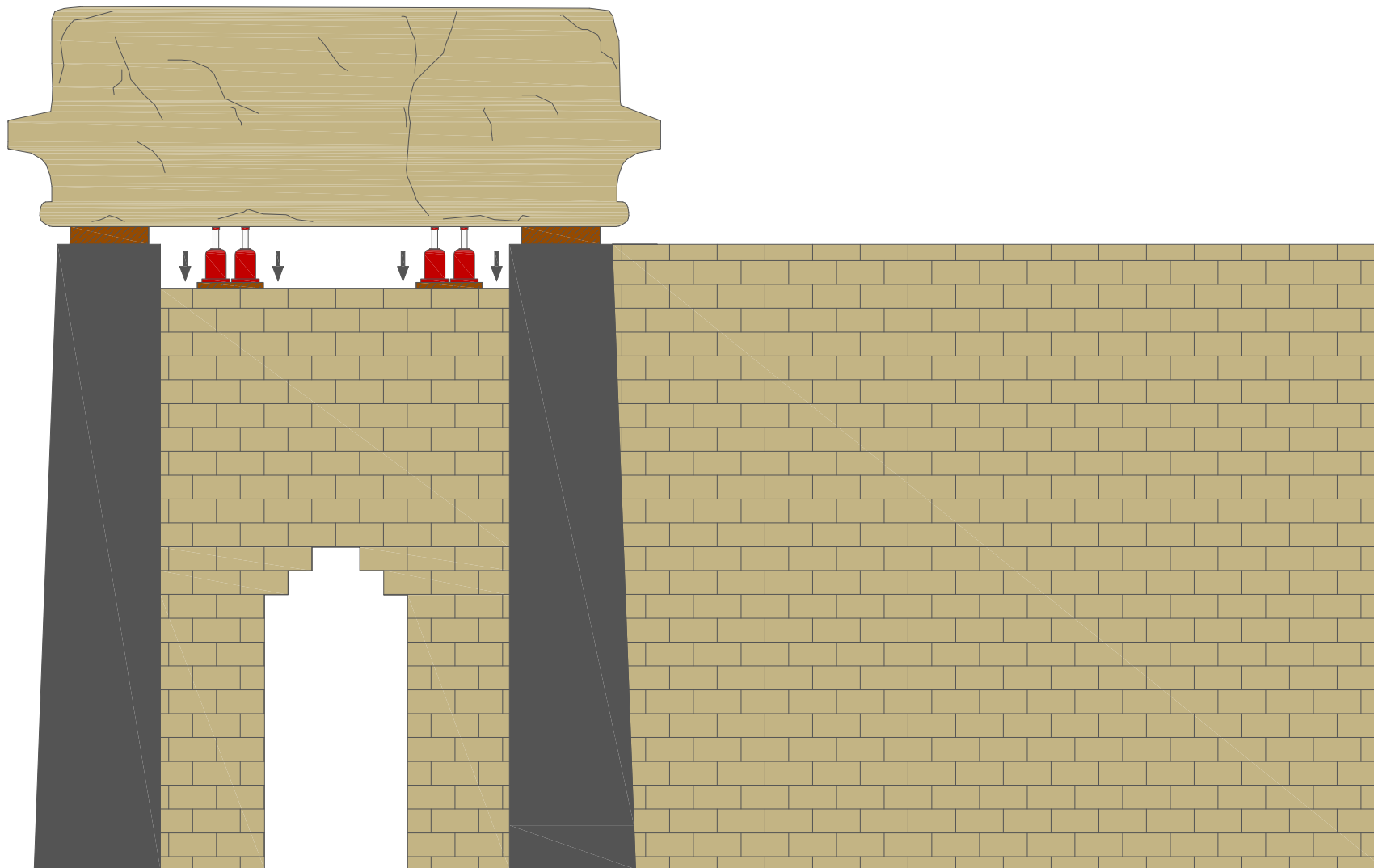
Levage (1cm) et retrait des cales.

0 10 50 100cm



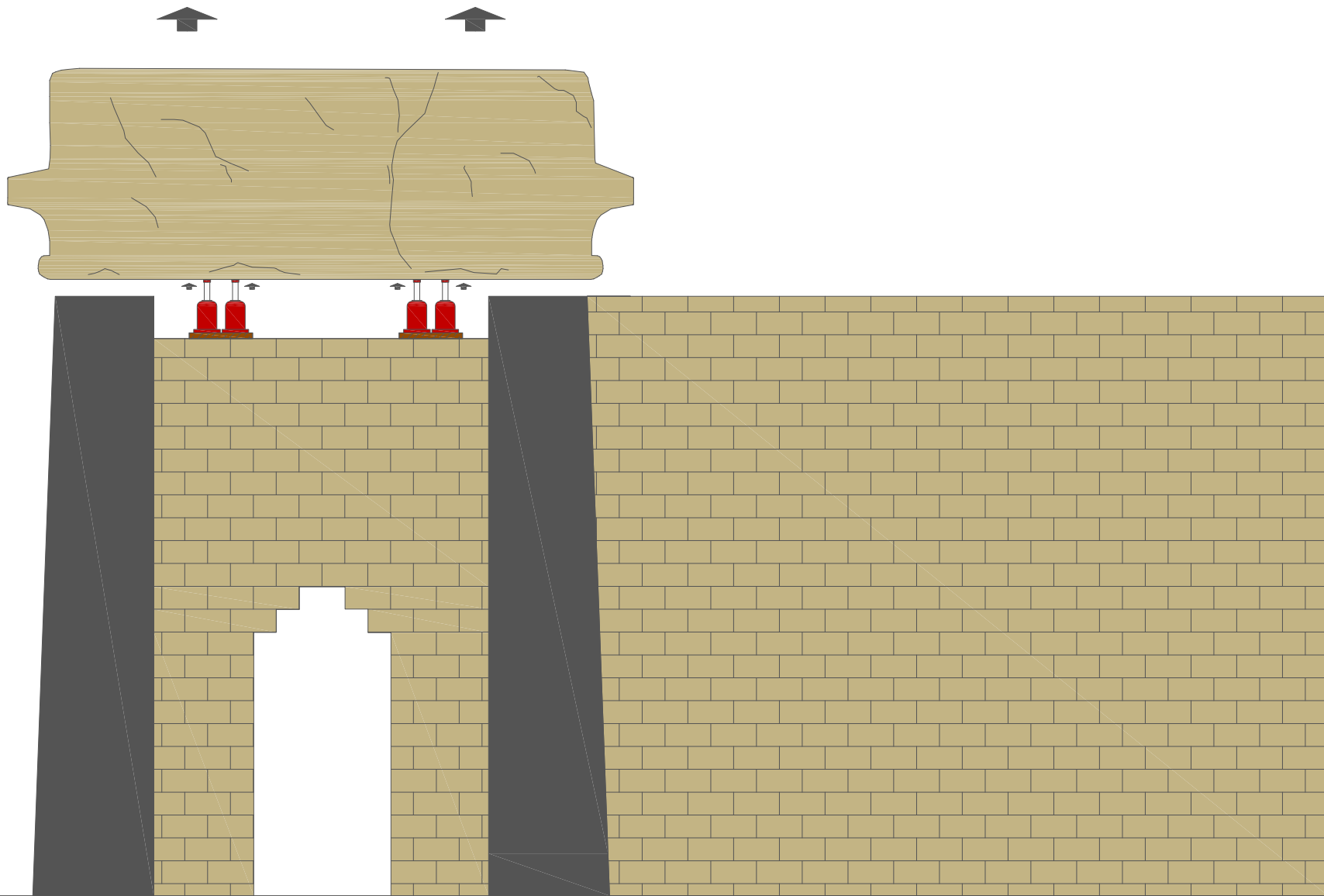
Descente du bloc sur cales d'épaisseur inférieure.

0 10 50 100cm



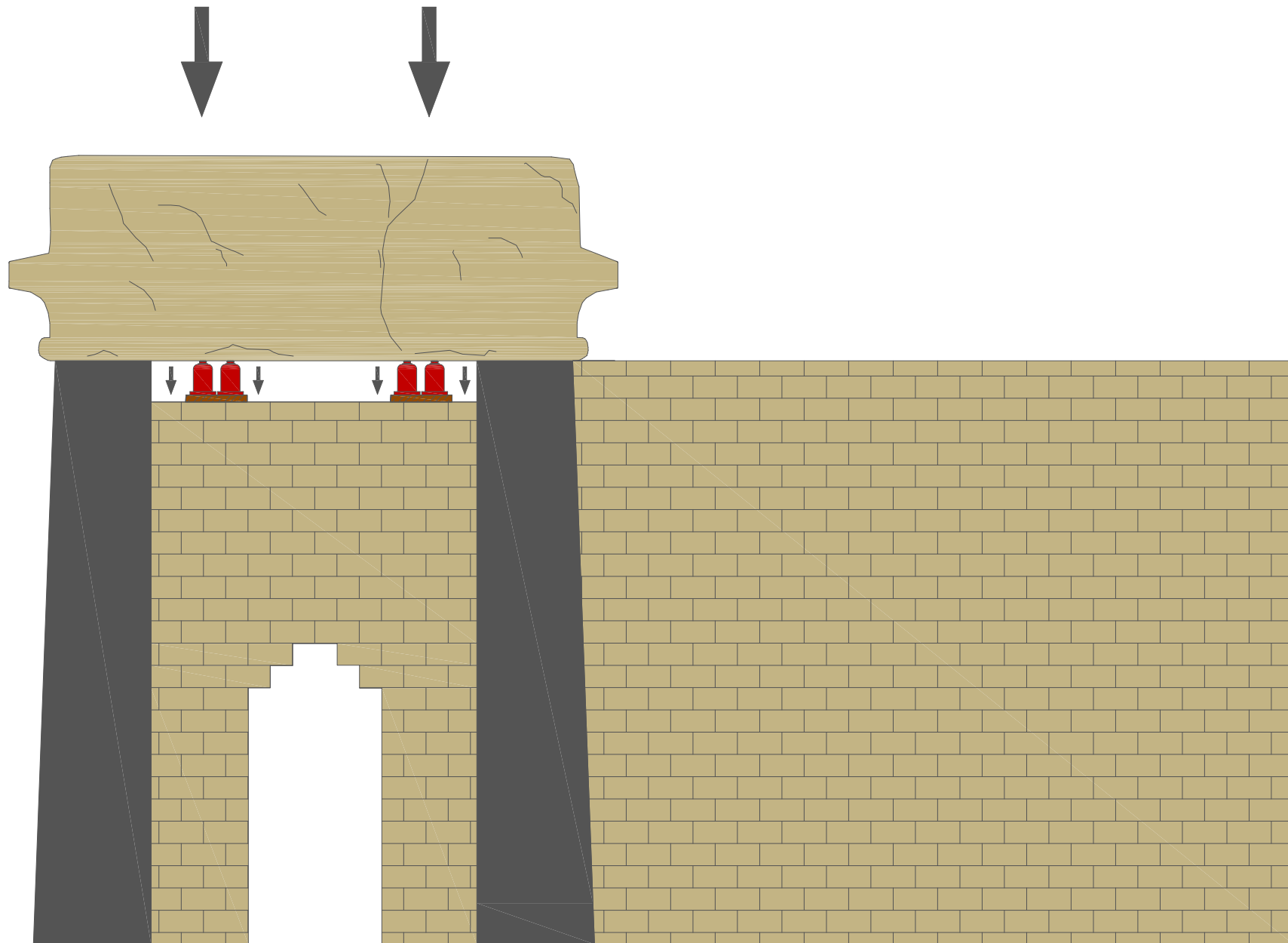
Installation des vérins à une altitude inférieure.

0 10 50 100cm



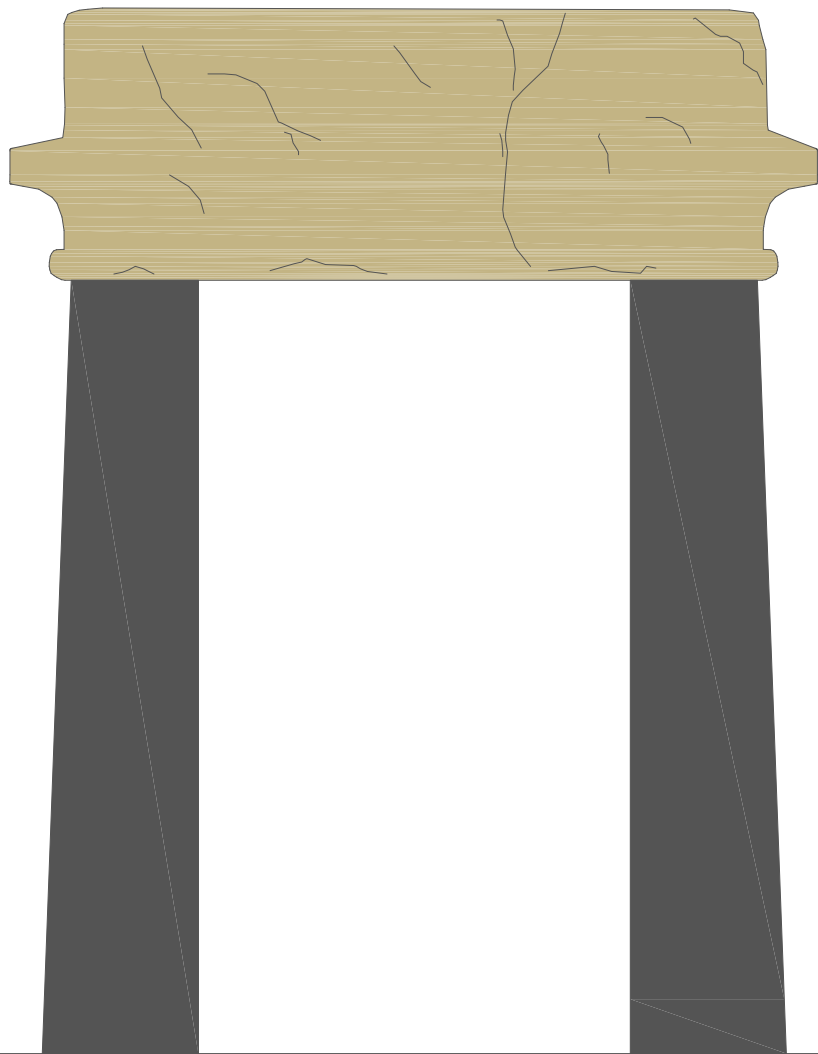
Levage (1cm) et retrait des cales.

0 10 50 100cm



Descente du bloc dans sa position finale.

0 10 50 100cm



Destruction des murs de levage.

0 10 50 100cm