MANUEL D'AUTO-CONSTRUCTION DU POÊLE DE MASSE :

B14 V4 SEMI-MASSE DU 28 JUILLET 2018

LICENCE : CC-BY-SA 4.0

INFORMATIONS COMPLÉMENTAIRES :

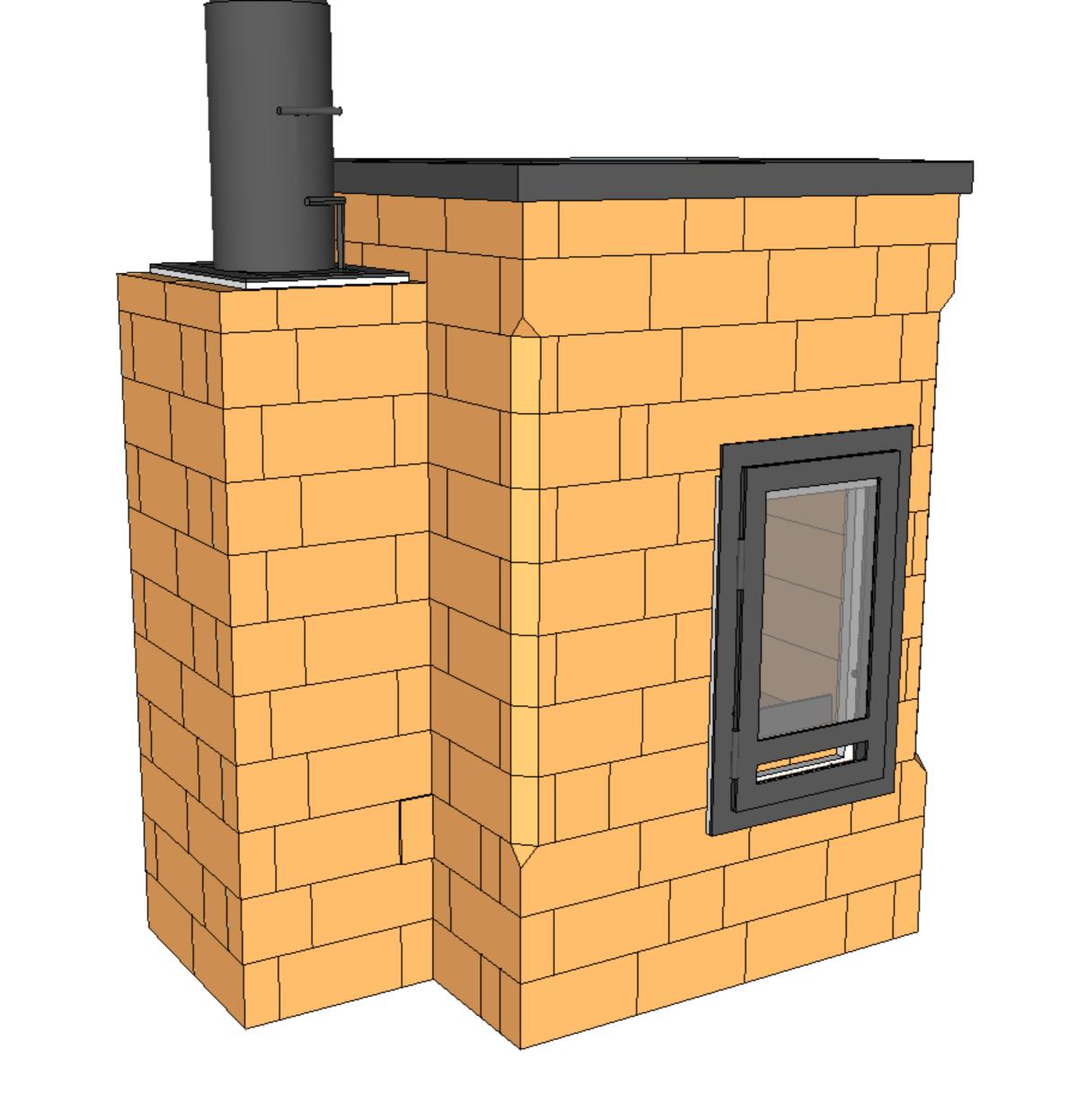
UZUME-ASSO.ORG

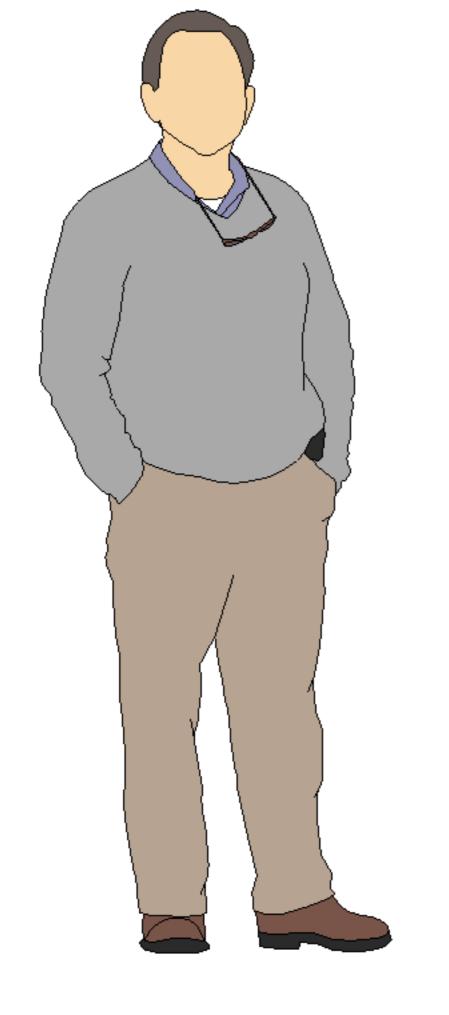
COMMENTAIRES : CONTACT@UZUME.FR

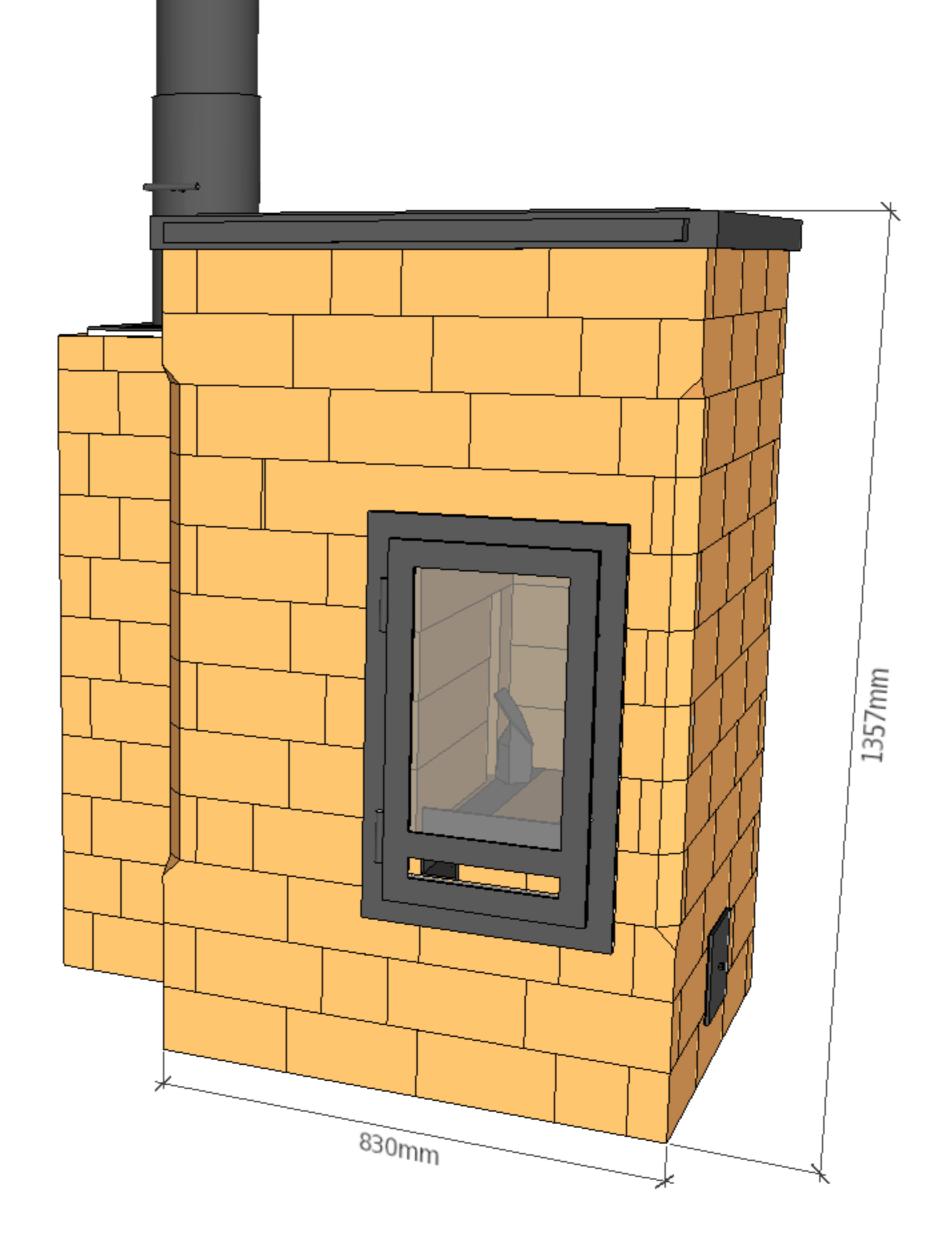
PRODUIRE SANS SAPPROPRIER, AGIR SANS RIEN ATTENDRE, GUIDER SANS CONTRAINDRE. VOILÀ LA VERTU PRIMORDIALE.

TAO TE CHING

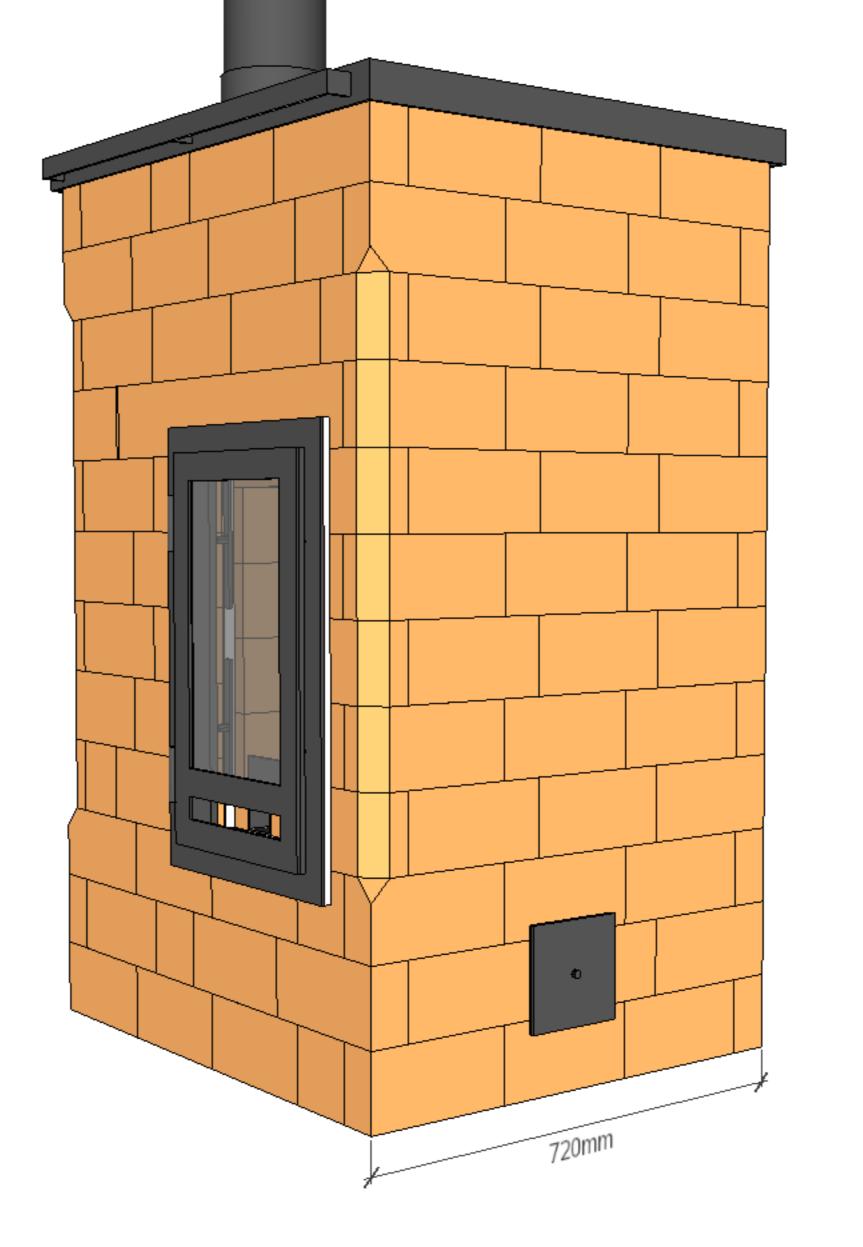
VUES GÉNÉRALES

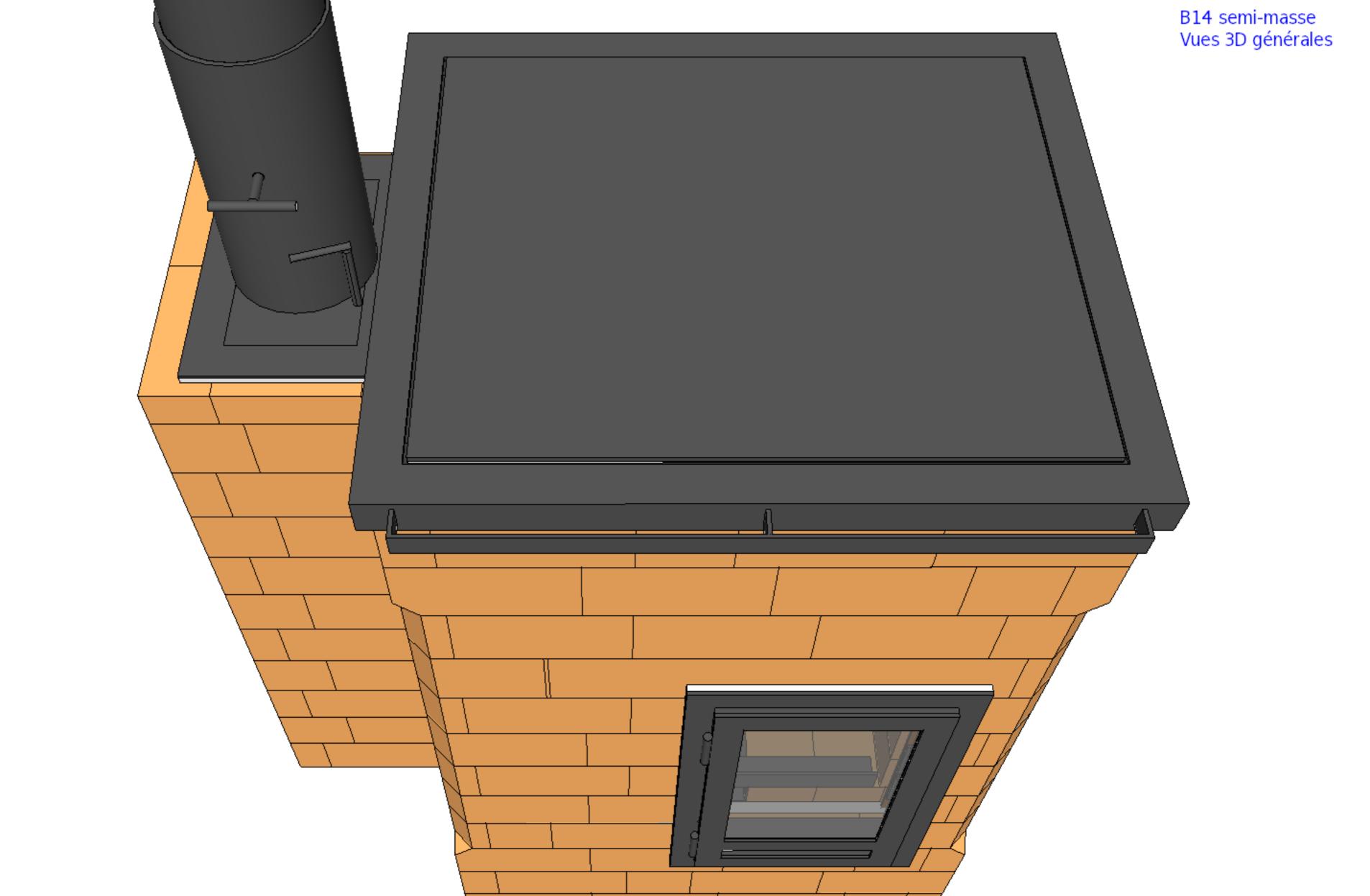


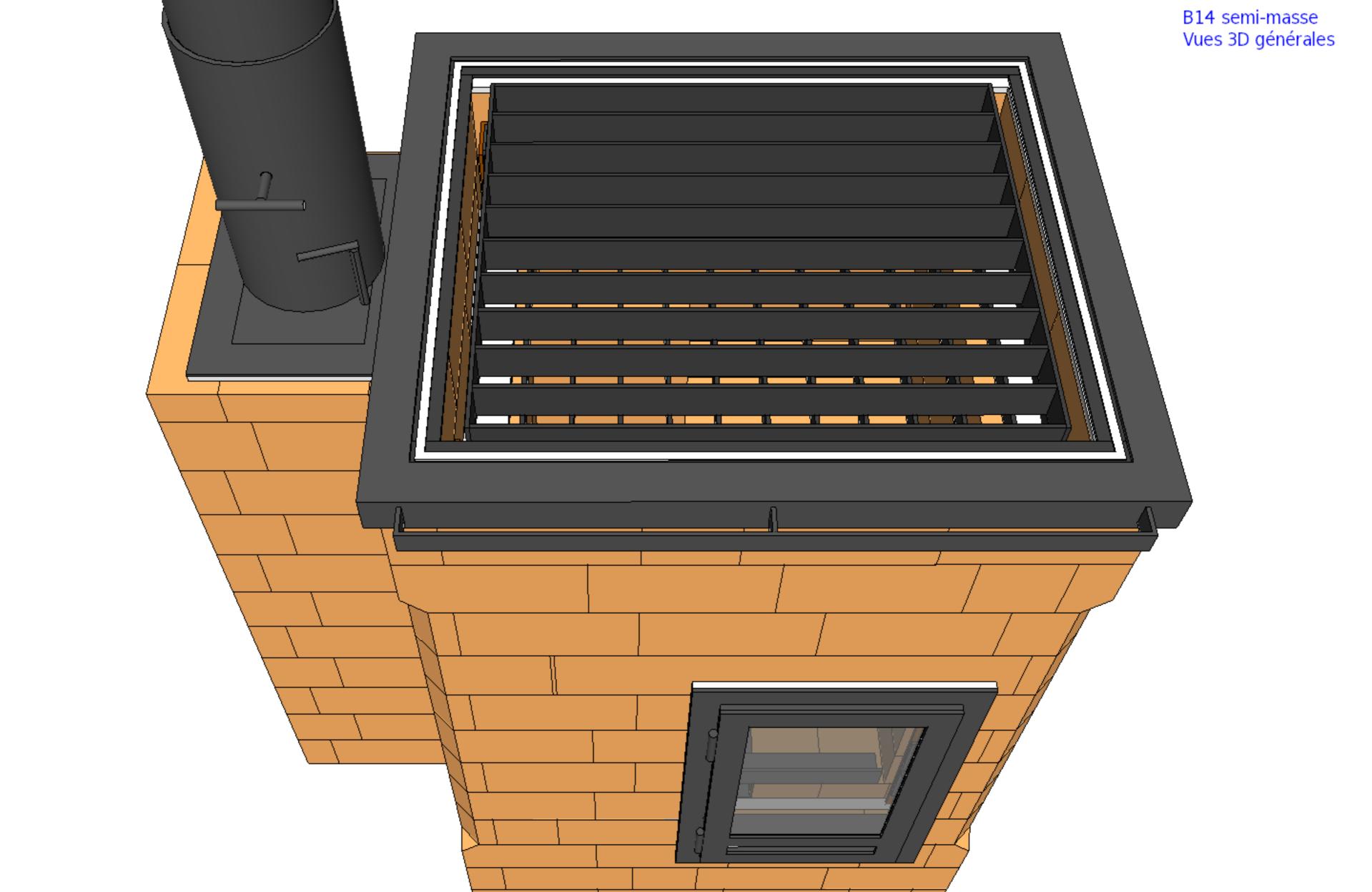


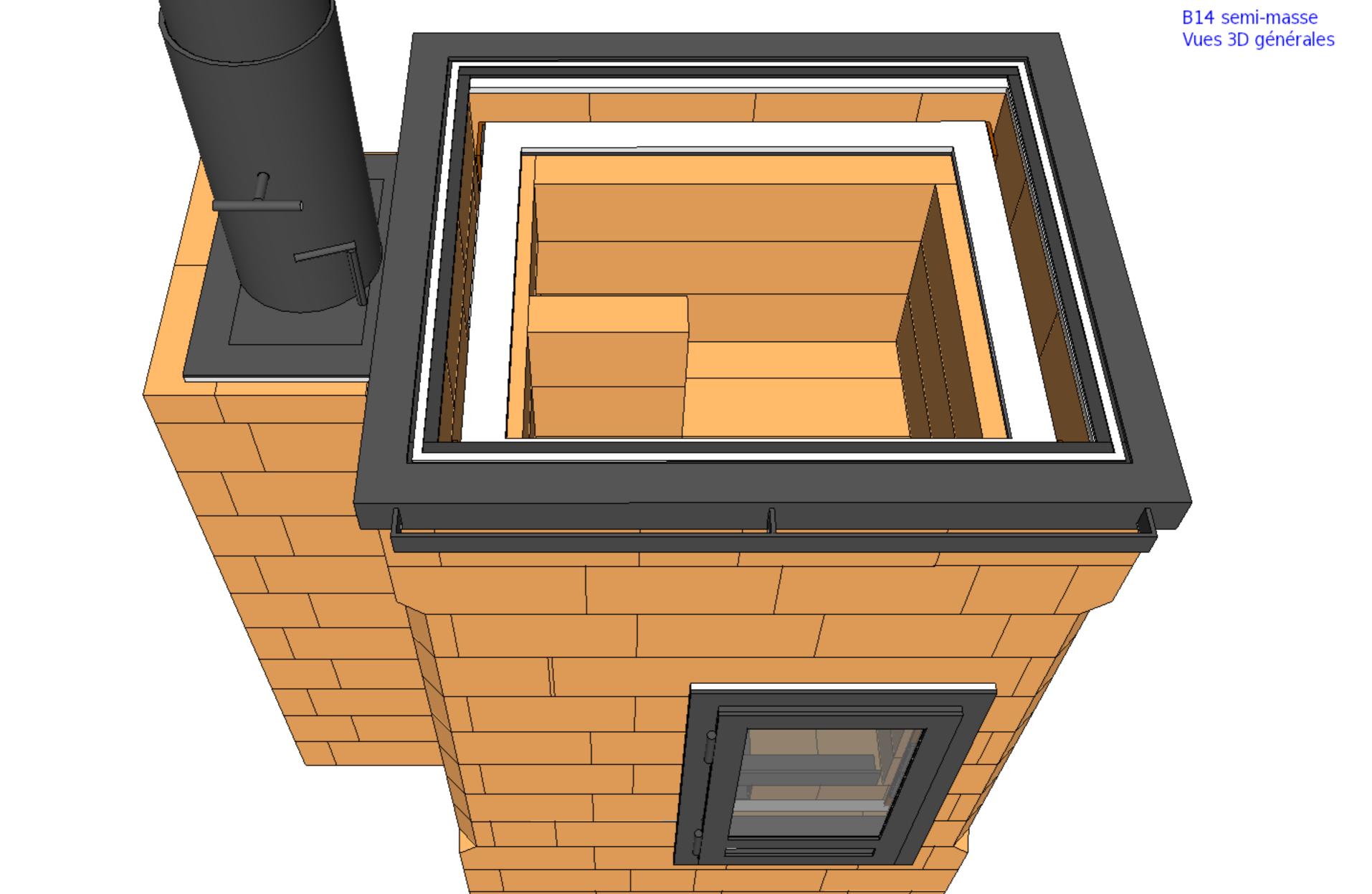


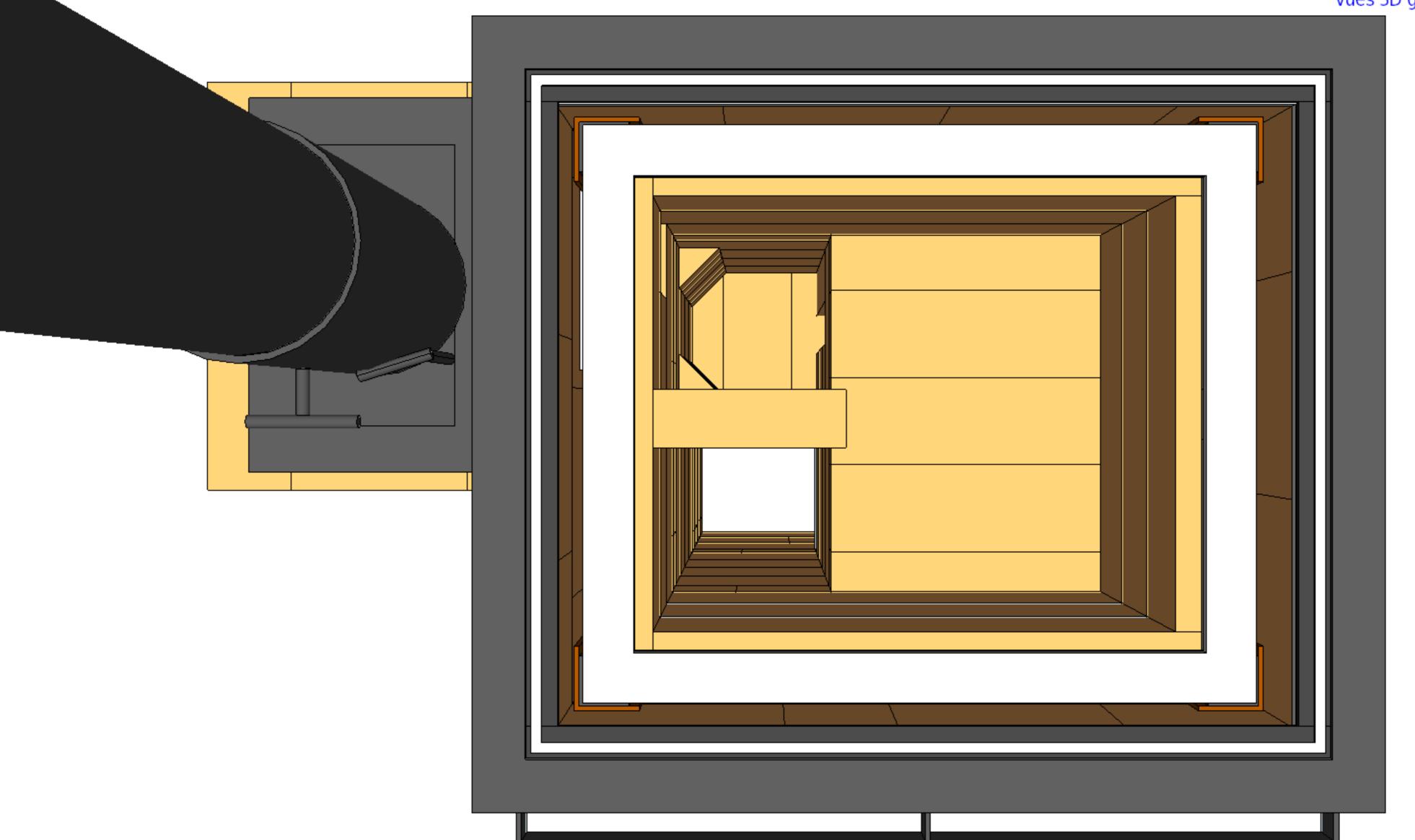
B14 semi-masse Vues 3D générales

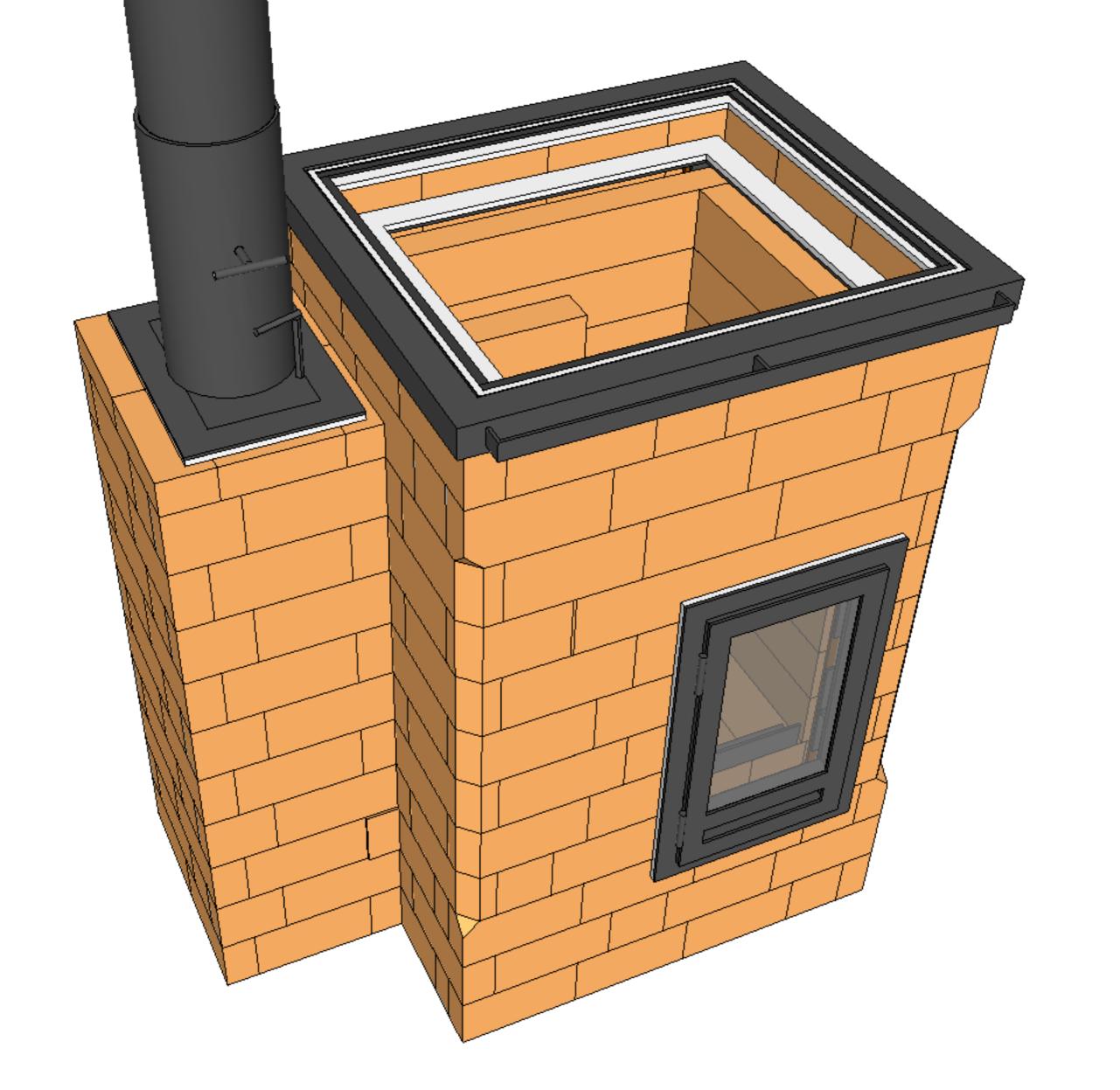


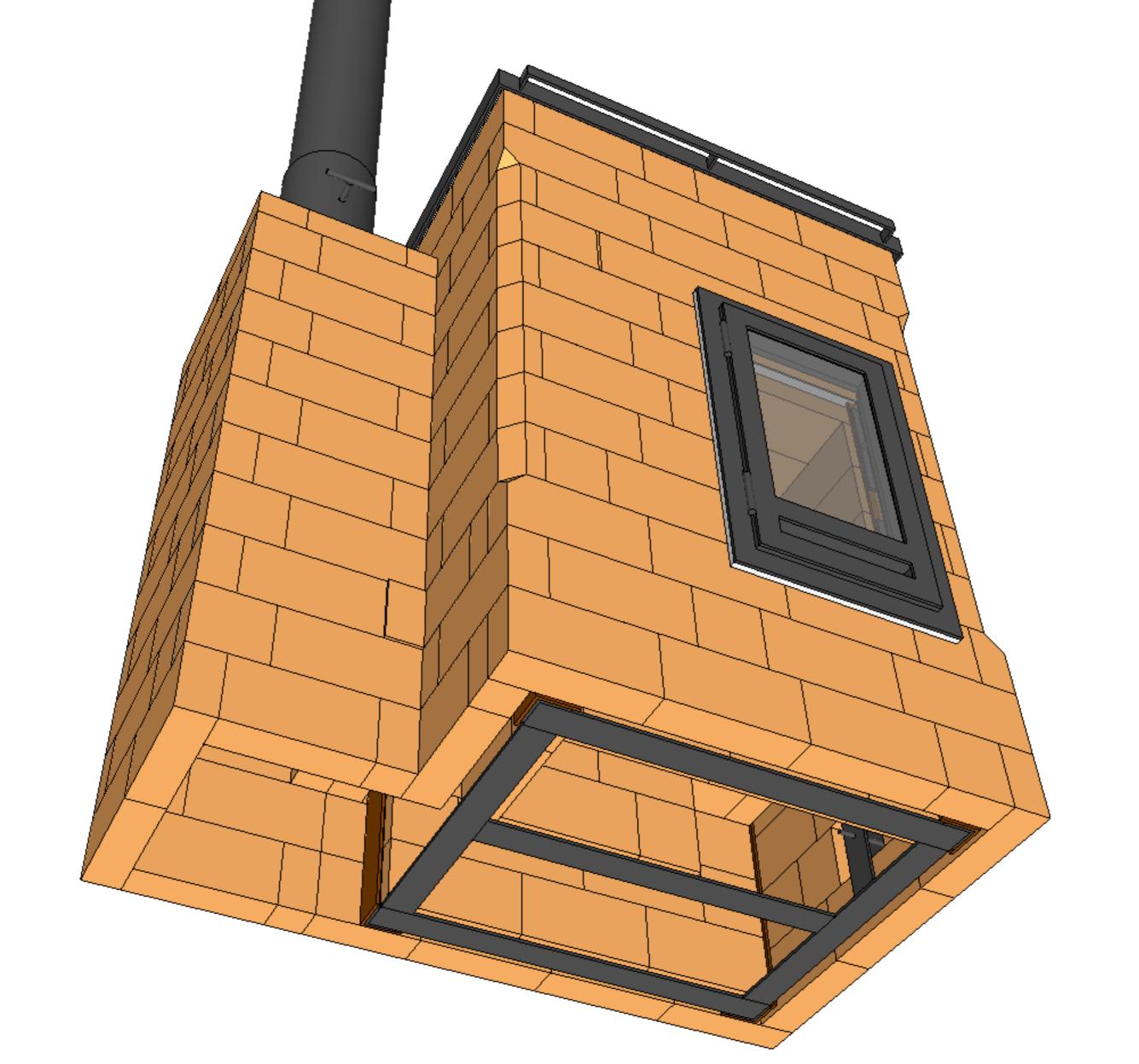


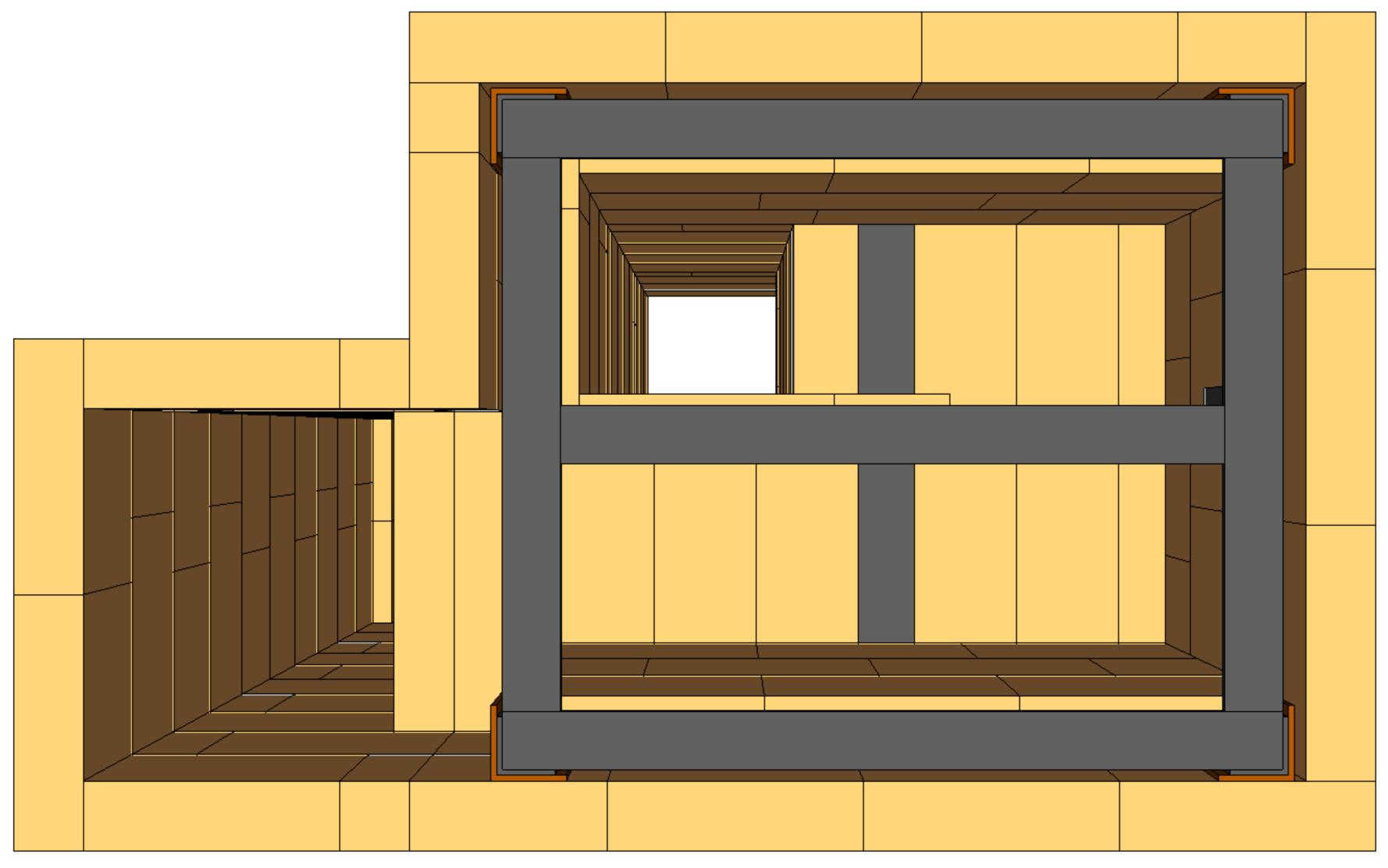


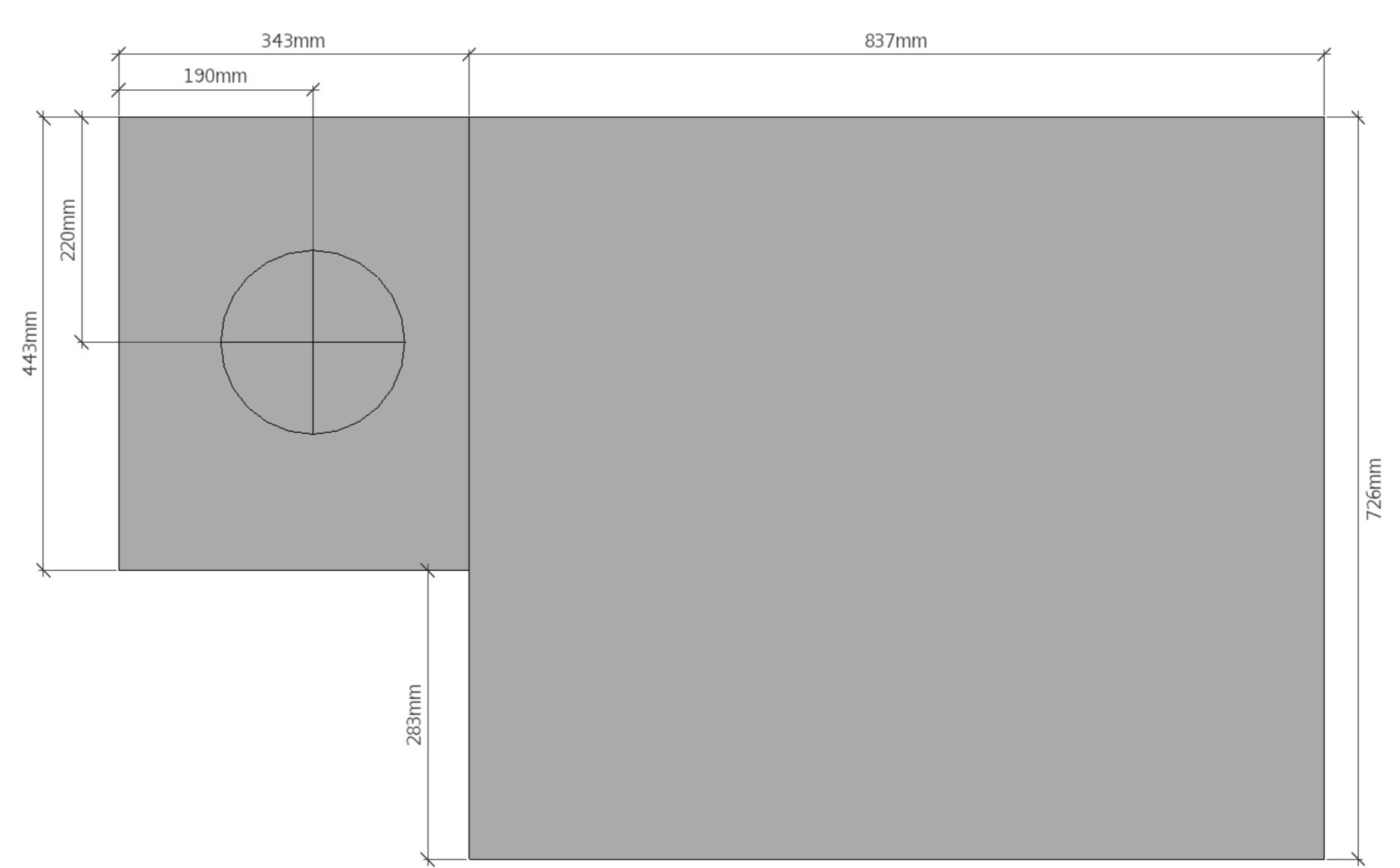




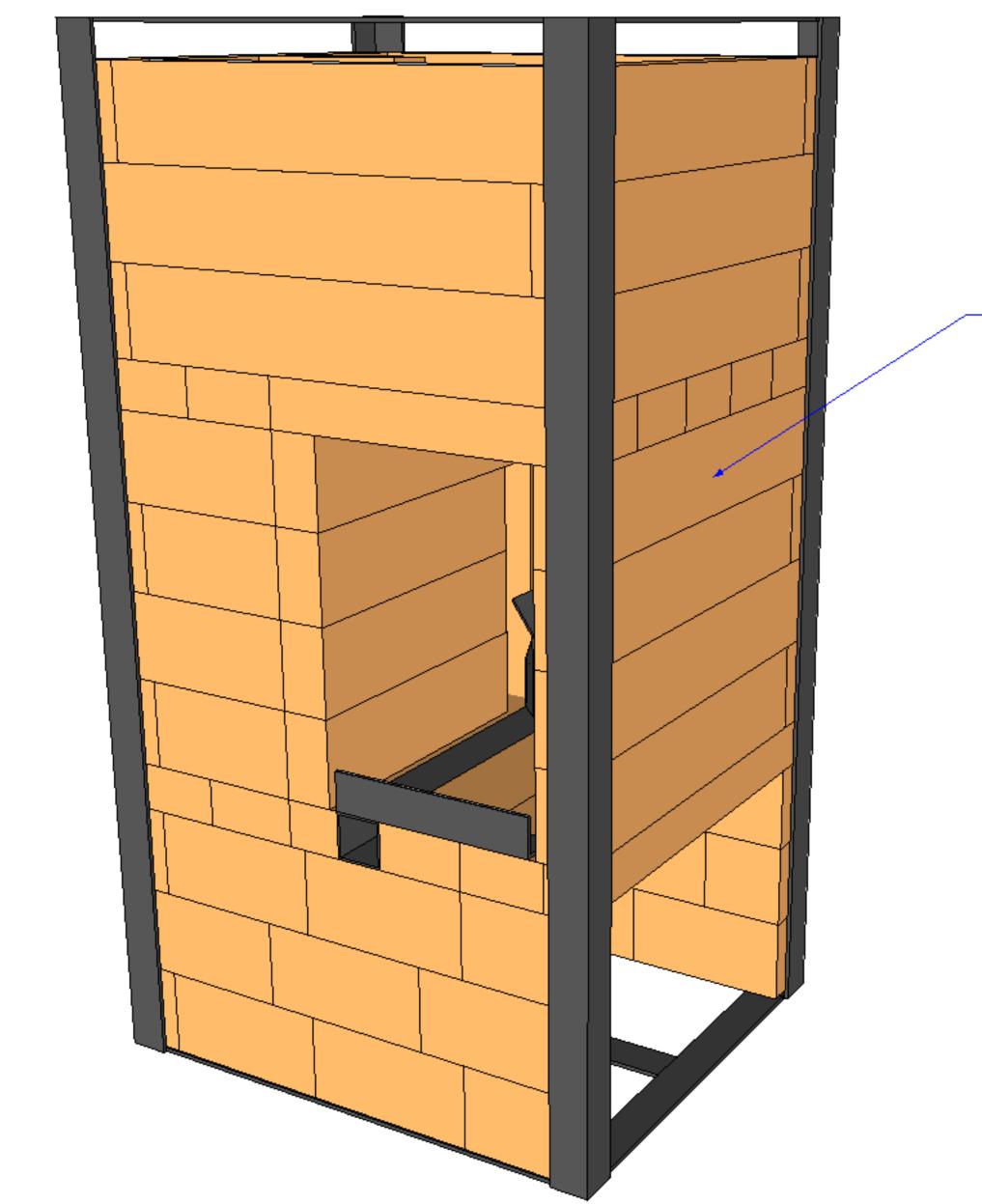








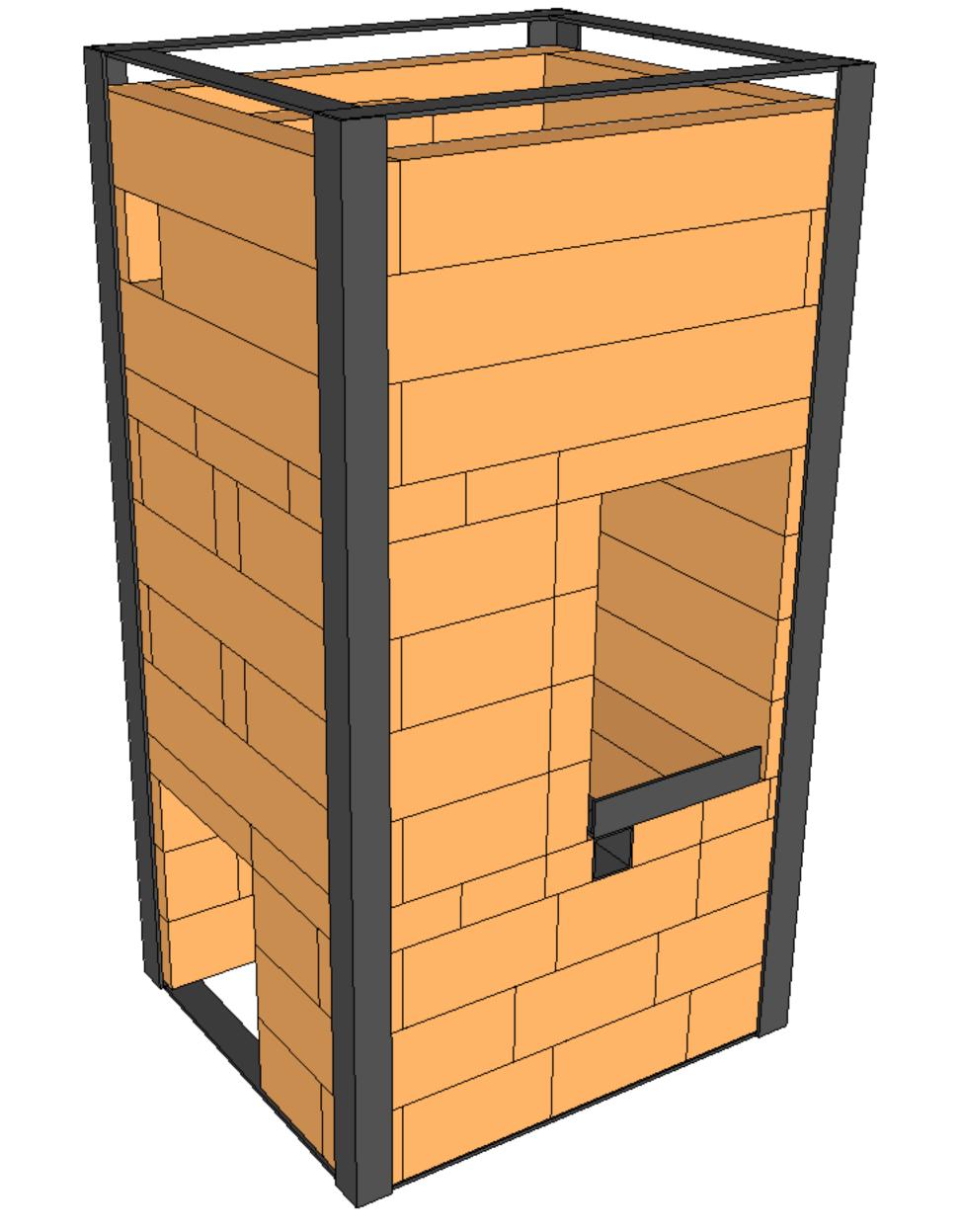
CŒUR DE CHAUFFE



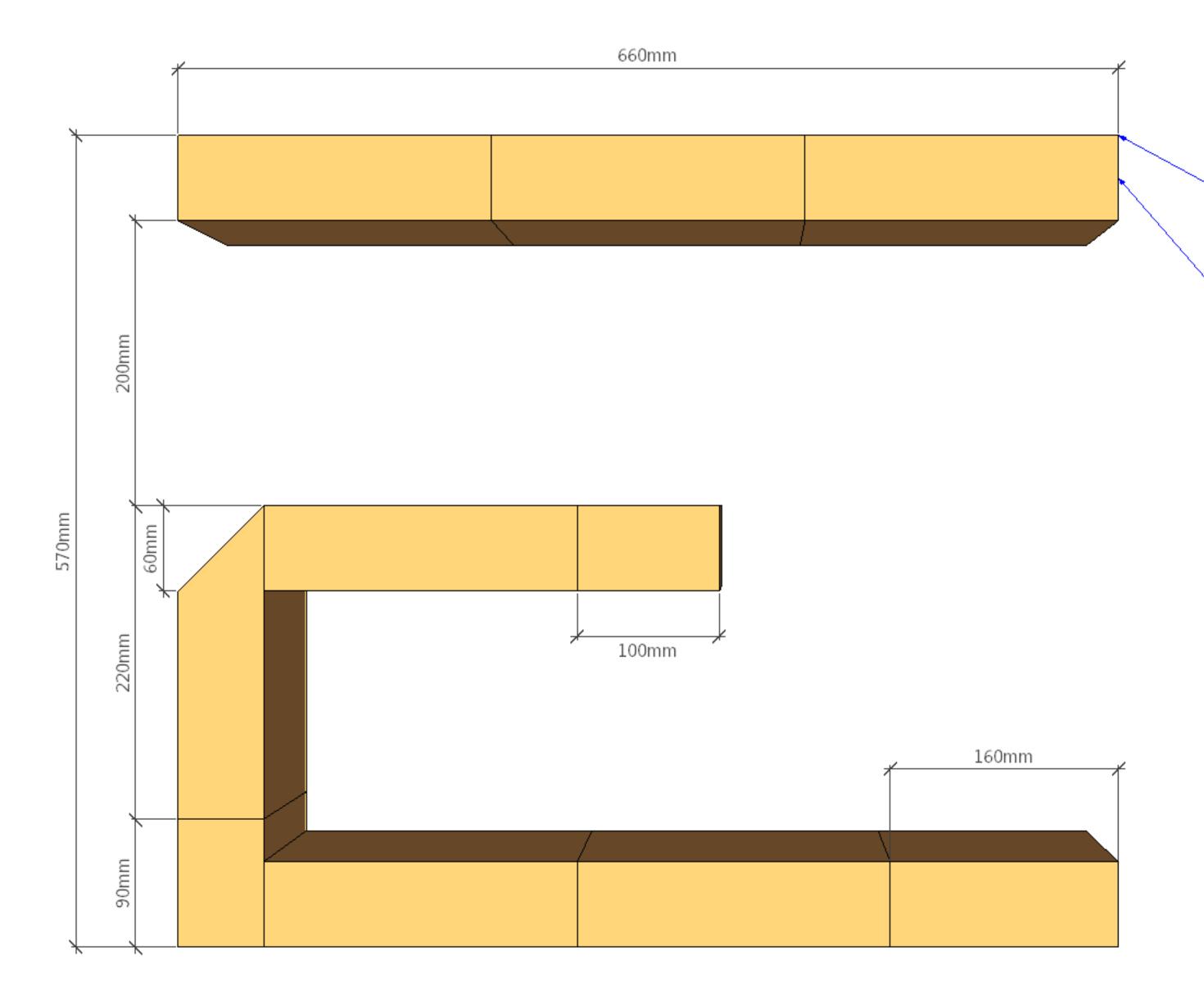
B14 Coeur Cadre_coeur Cobra Vue de face/droite

Il est très important de comprendre qu'une circulation secondaire de gaz aura lieu sur les côtés droit et gauche du coeur de chauffe :

entre le coeur de chauffe et l'habillage il y a un espace libre dans lequel les gaz vont circuler et échanger leur chaleur.



B14 Coeur Cadre_coeur Cobra Vue de face/gauche



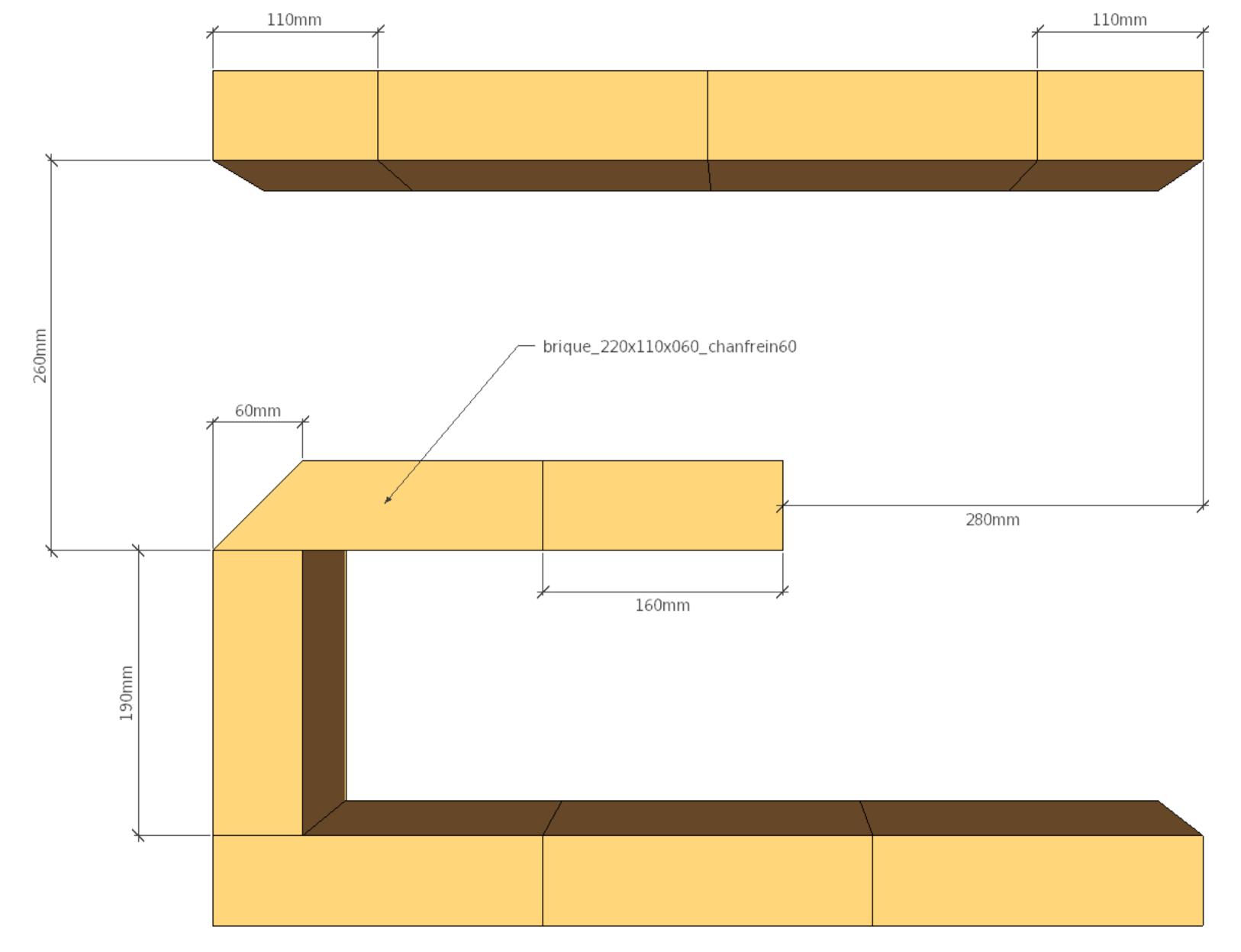
B14 Coeur01 Briques sur champ

- il faut casser les angles pour que les briques s'inserent parfaitement dans le cadre métallique

l doit y avoir du mortier entre le cadre métallique et les briques : Le coeur doit être compressé à froid !

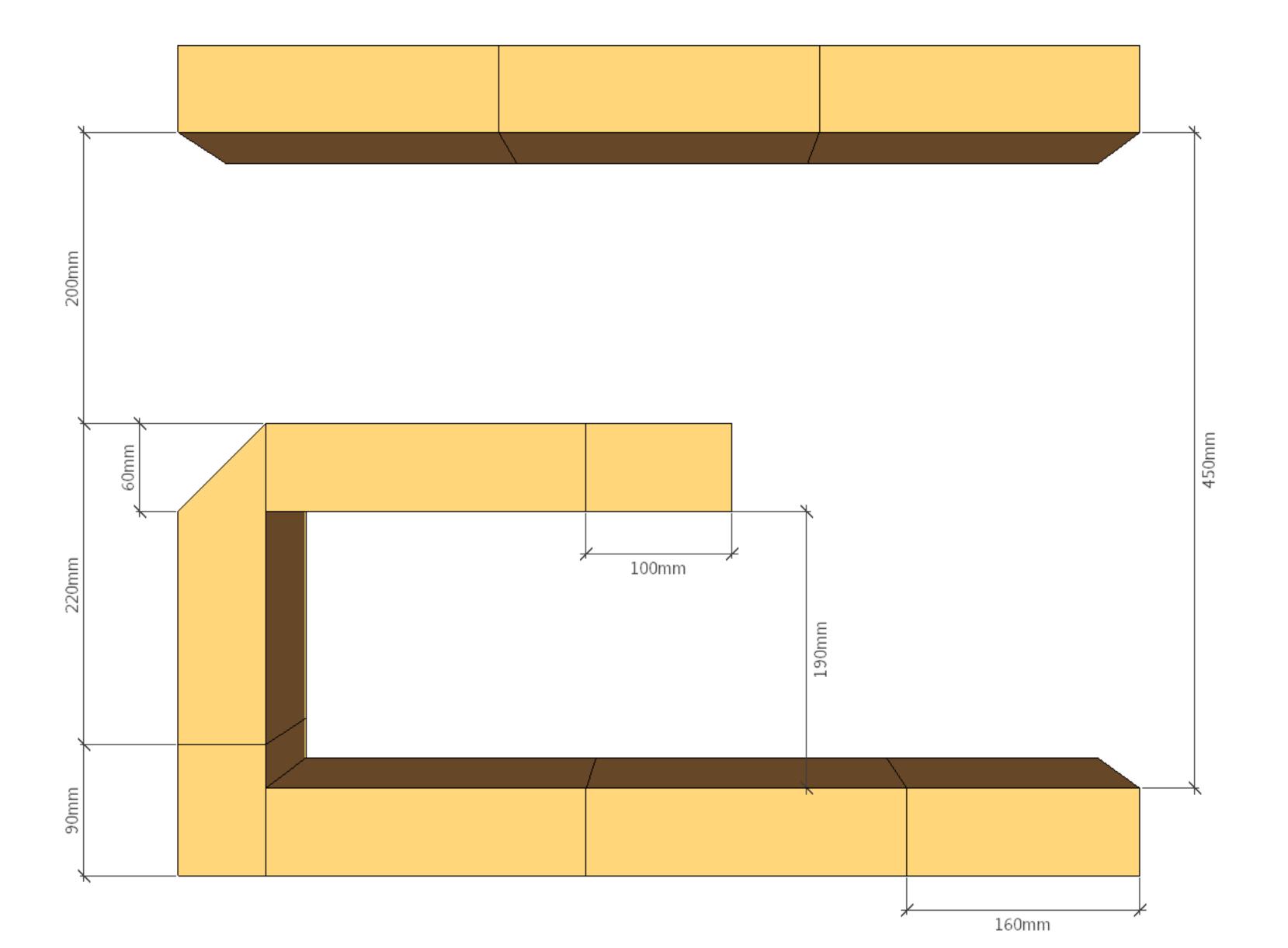
Les briques pleines (220x110x60 mm) ne sont pas annotées.

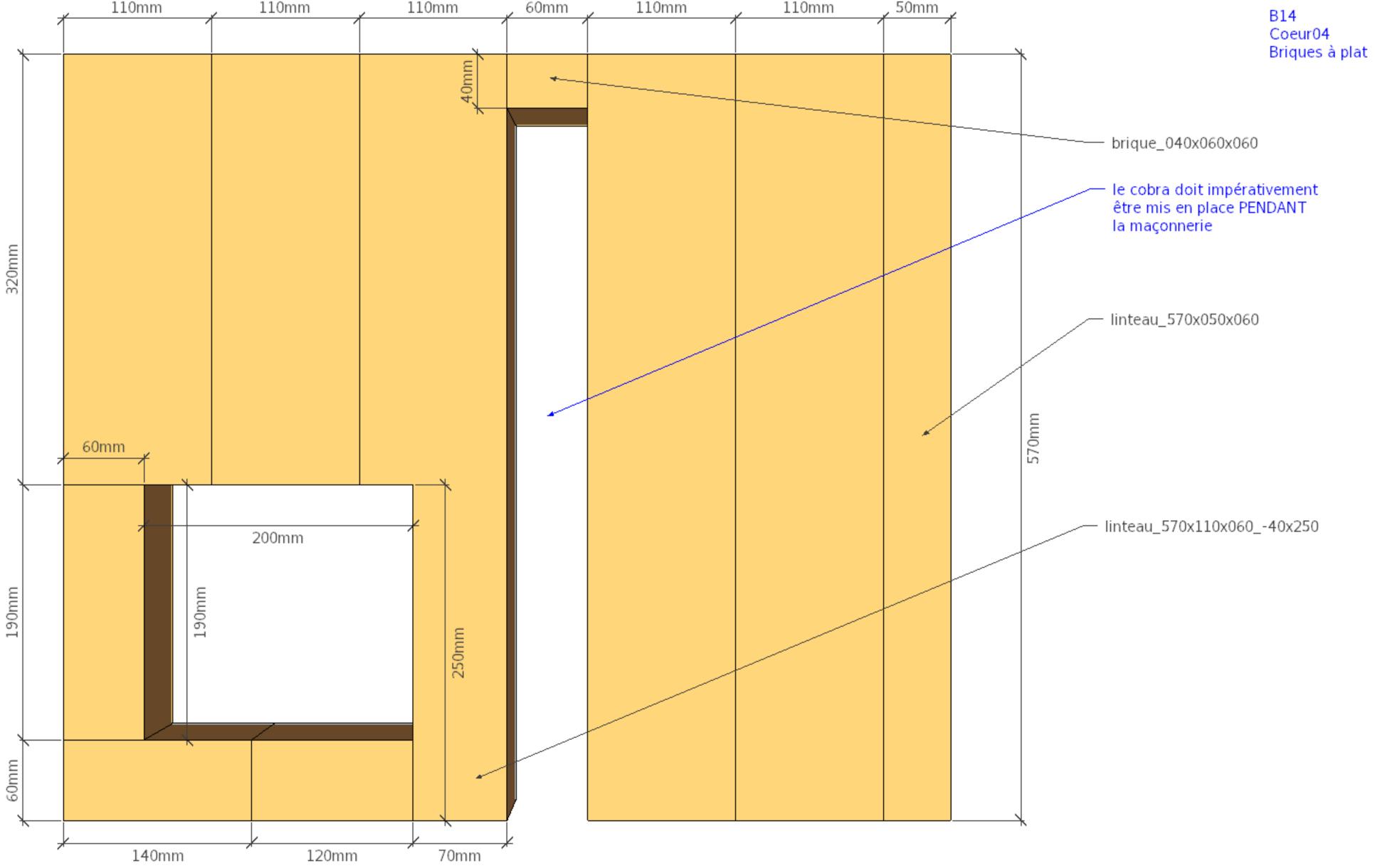
Les côtes sont NOMINALES (ie. sans l'épaisseur des joints)

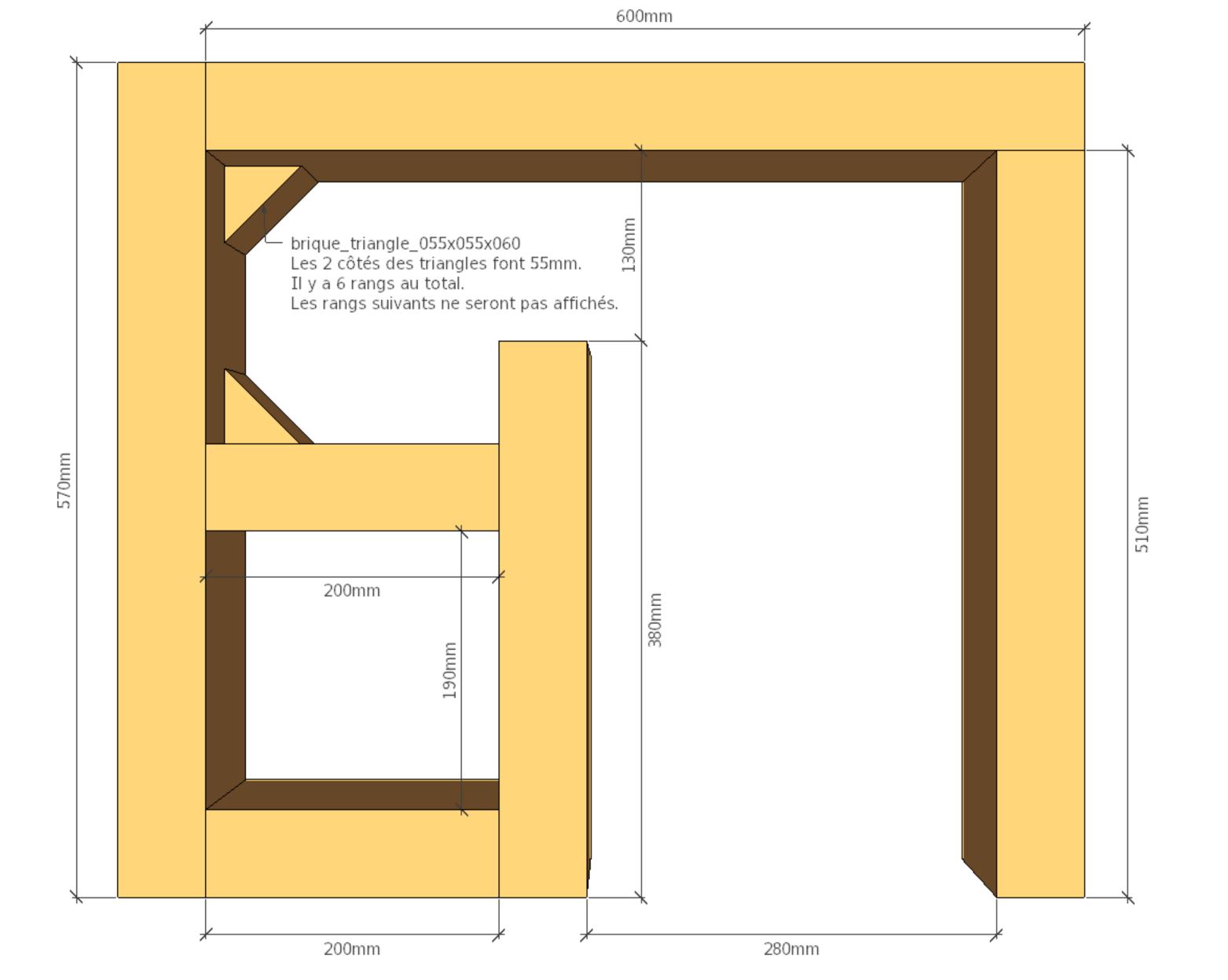


B14 Coeur02 Briques sur champ

B14 Coeur03 Briques sur champ



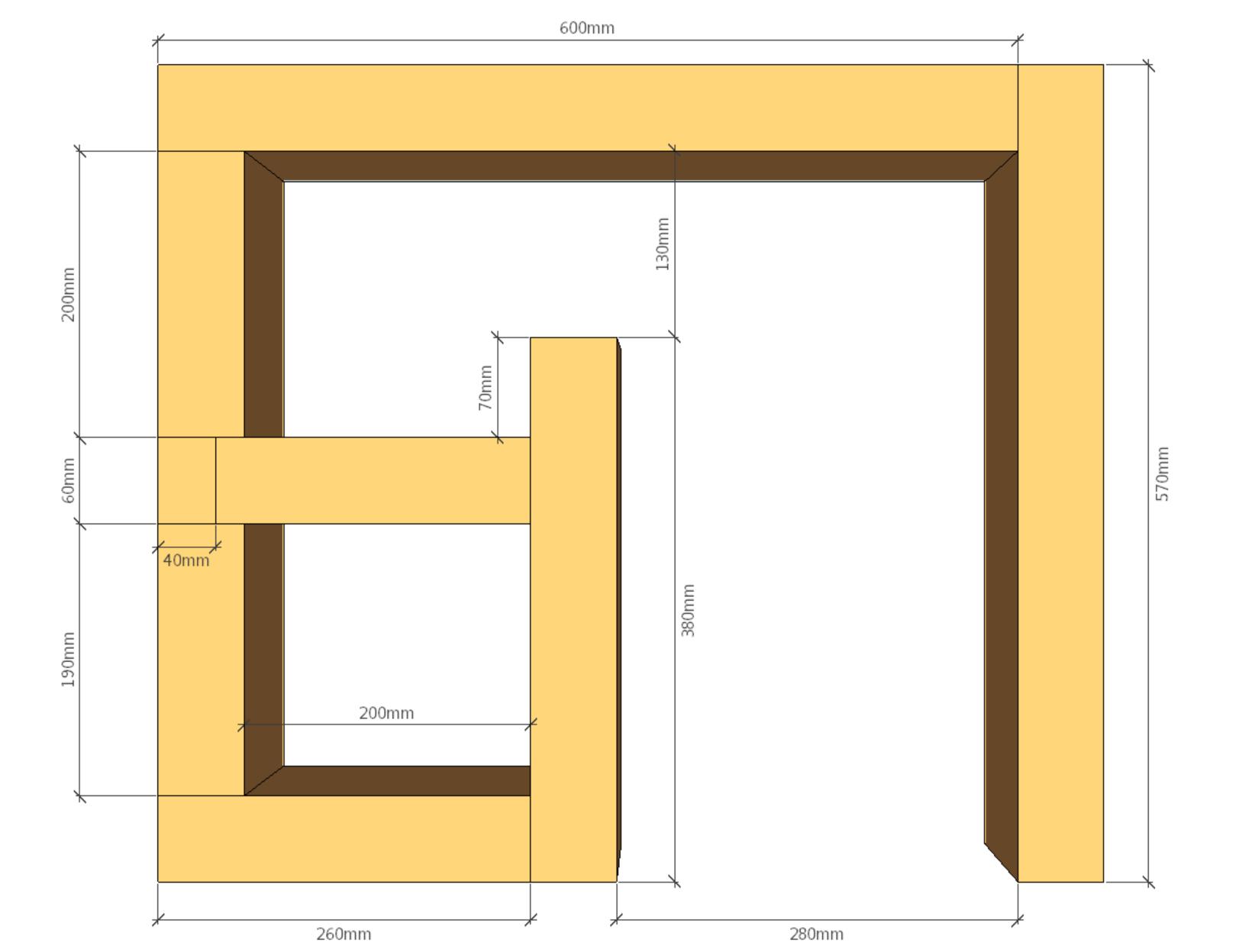




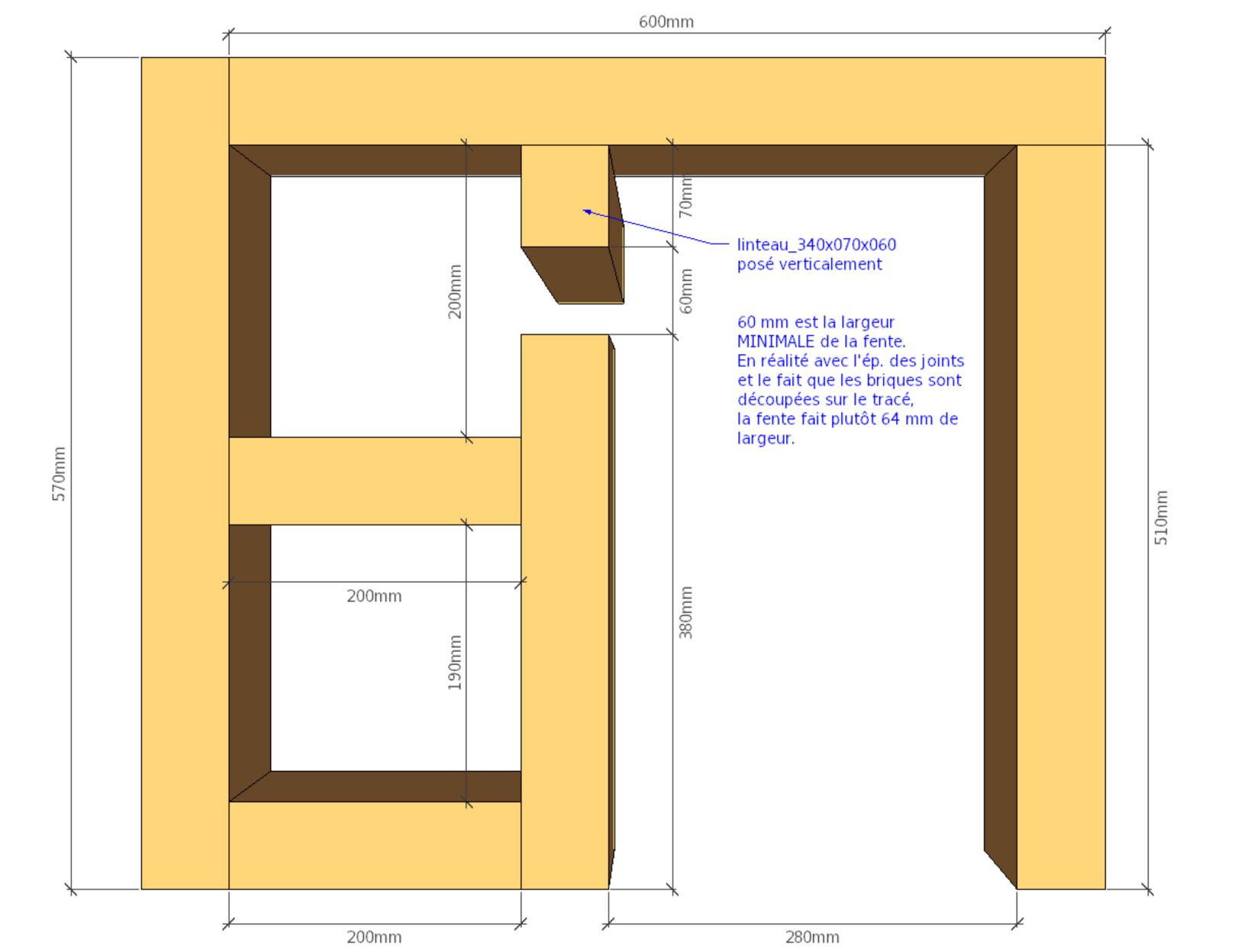
B14

Coeur05

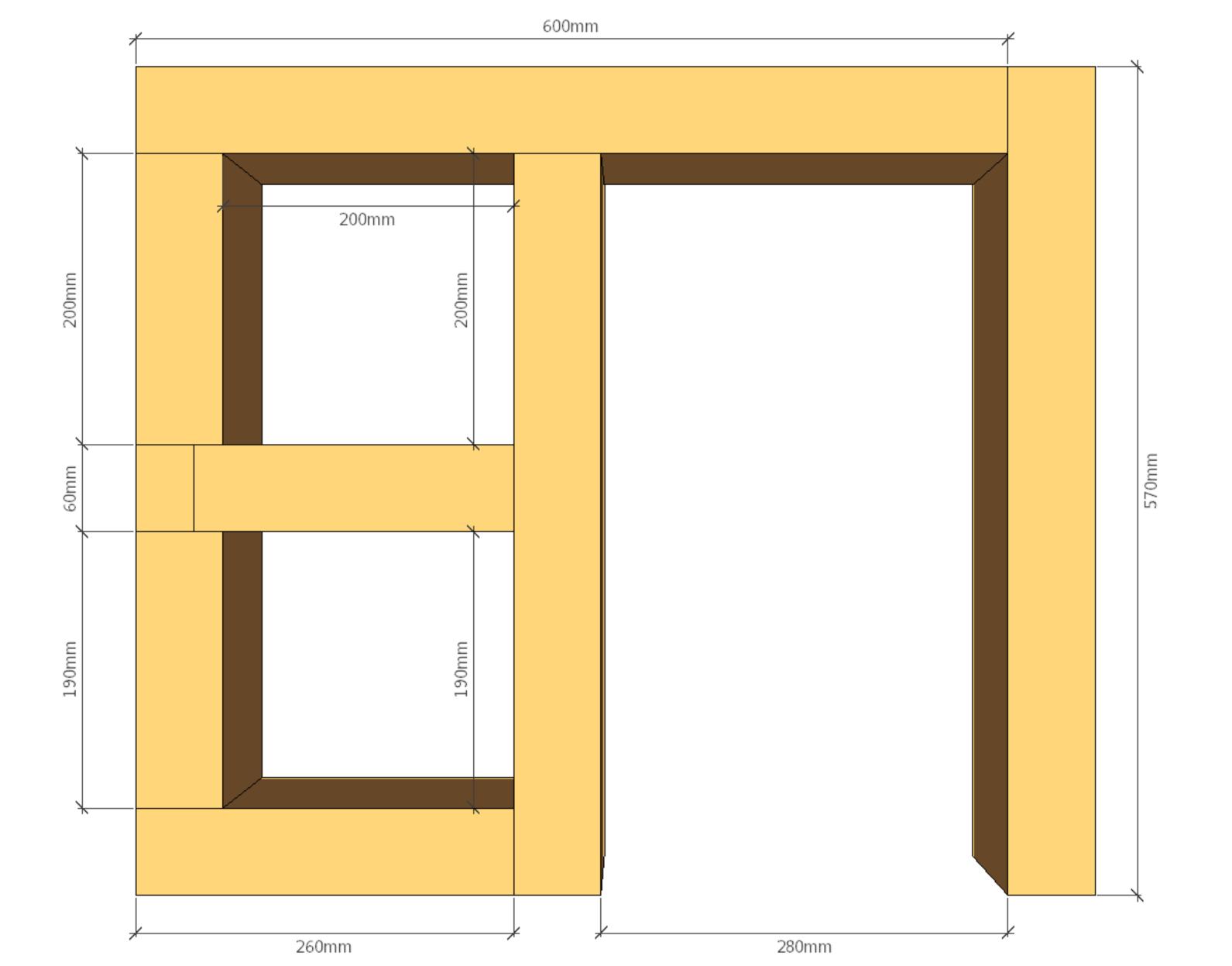
Briques sur champ



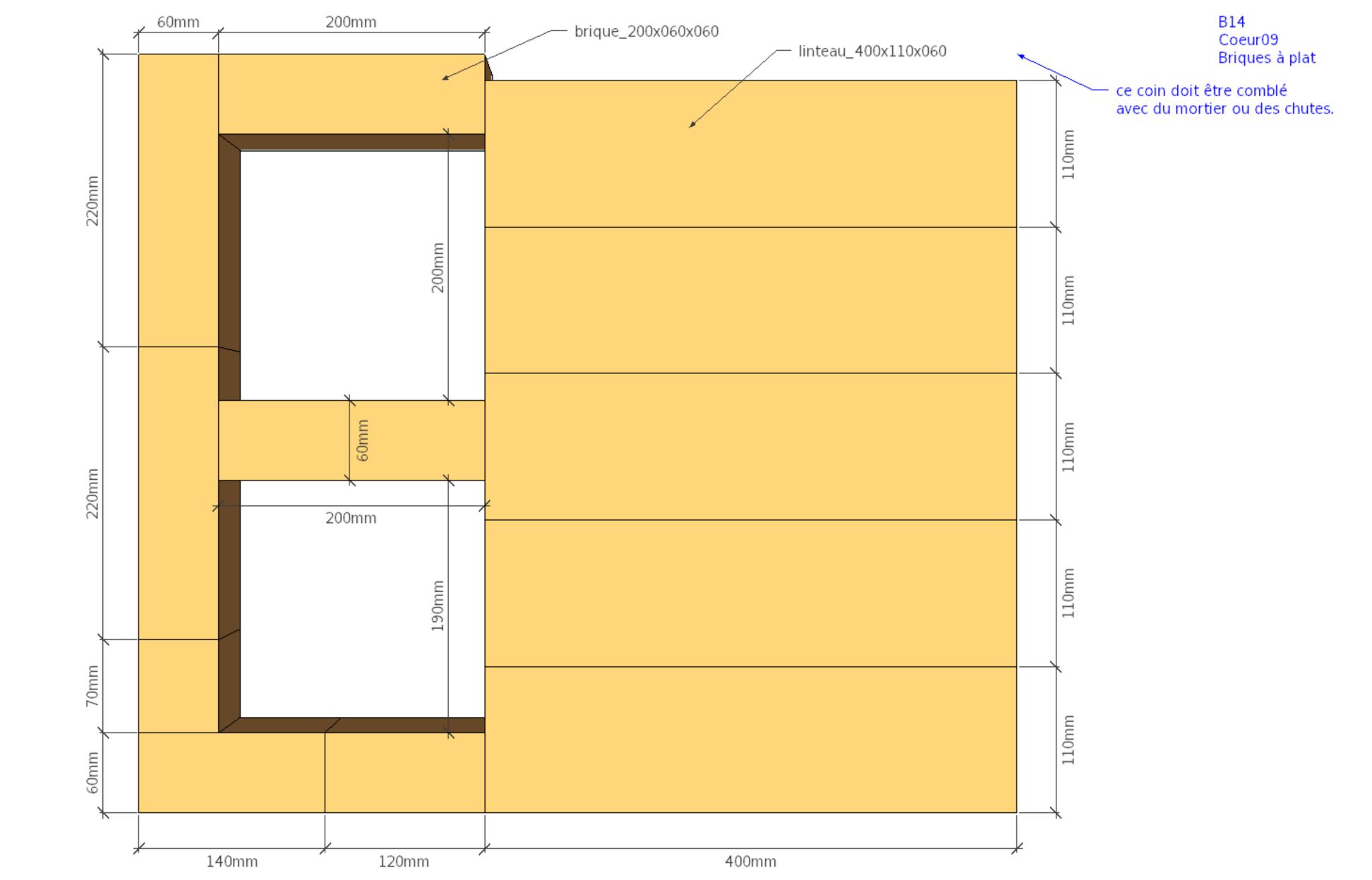
B14 Coeur06 Briques sur champ

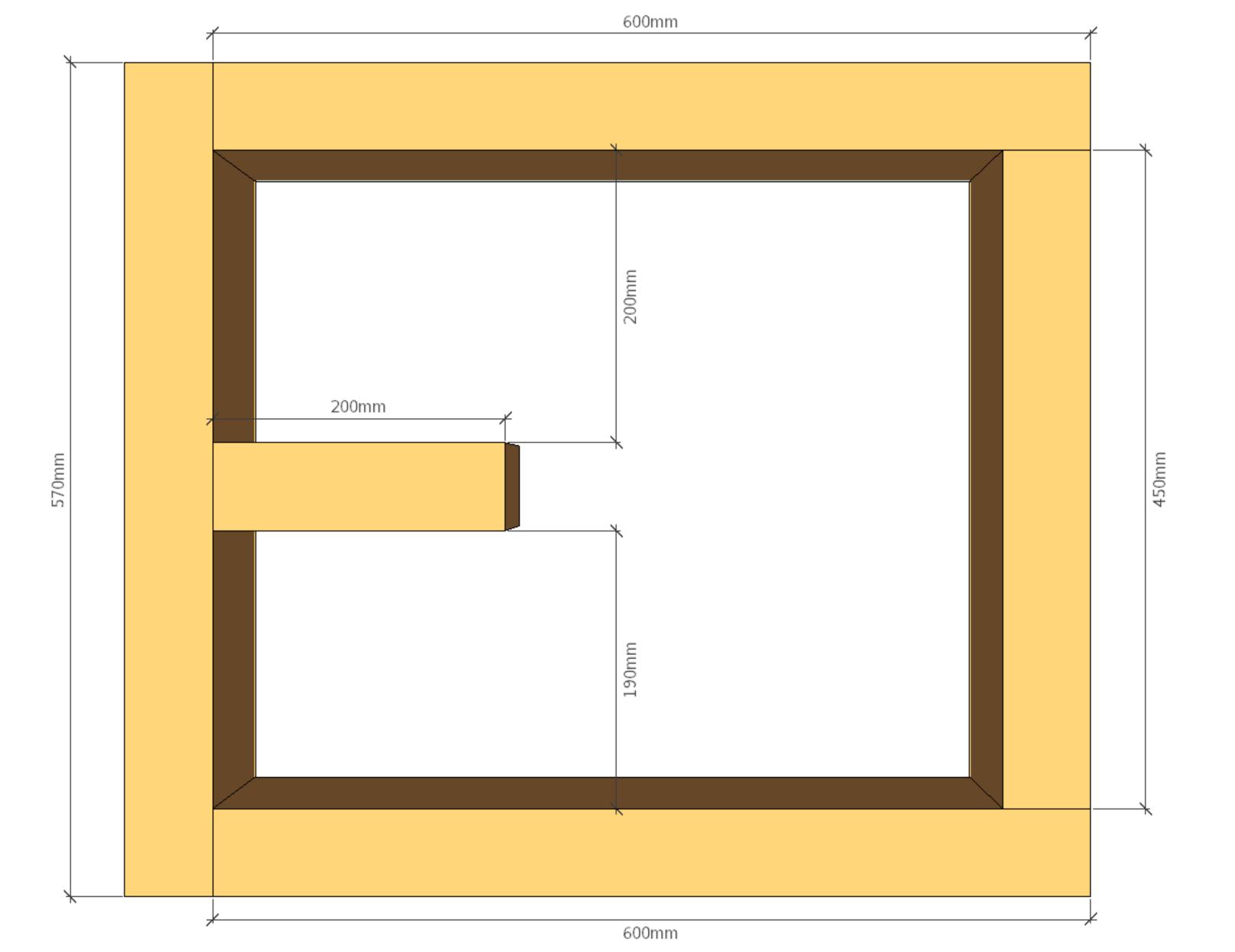


B14 Coeur07 Briques sur champ

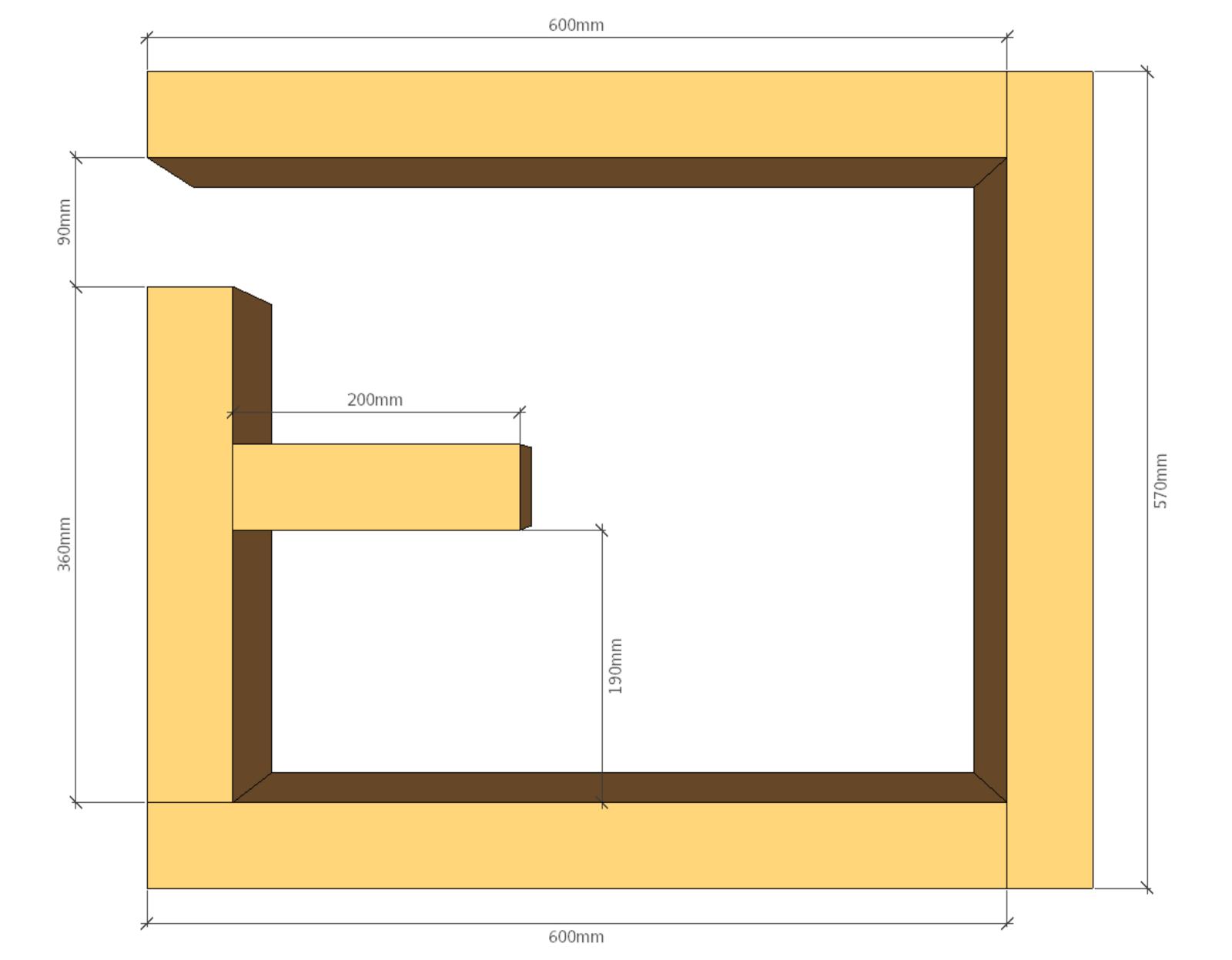


B14 Coeur08 Briques sur champ

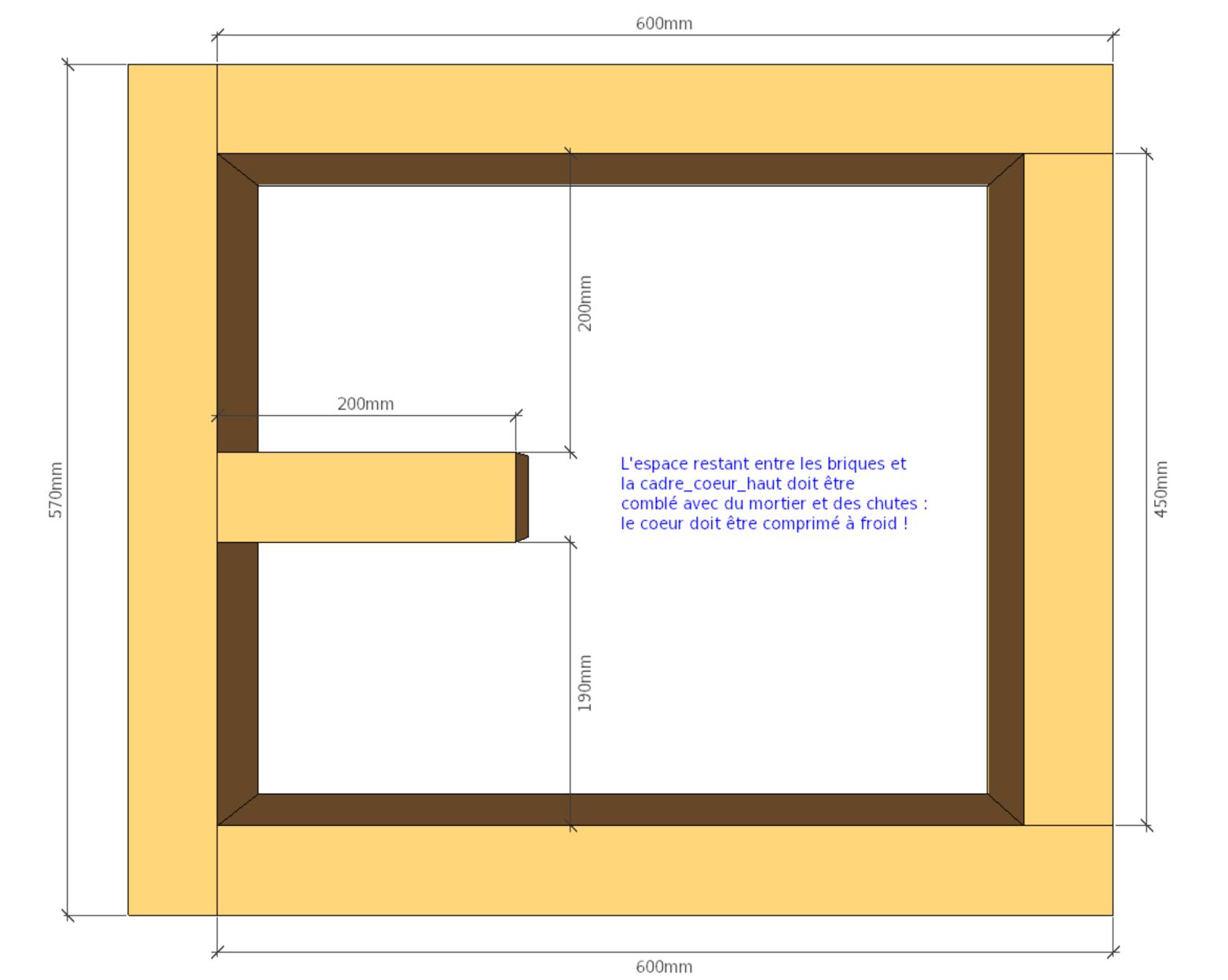




B14 Coeur10 Briques sur champ



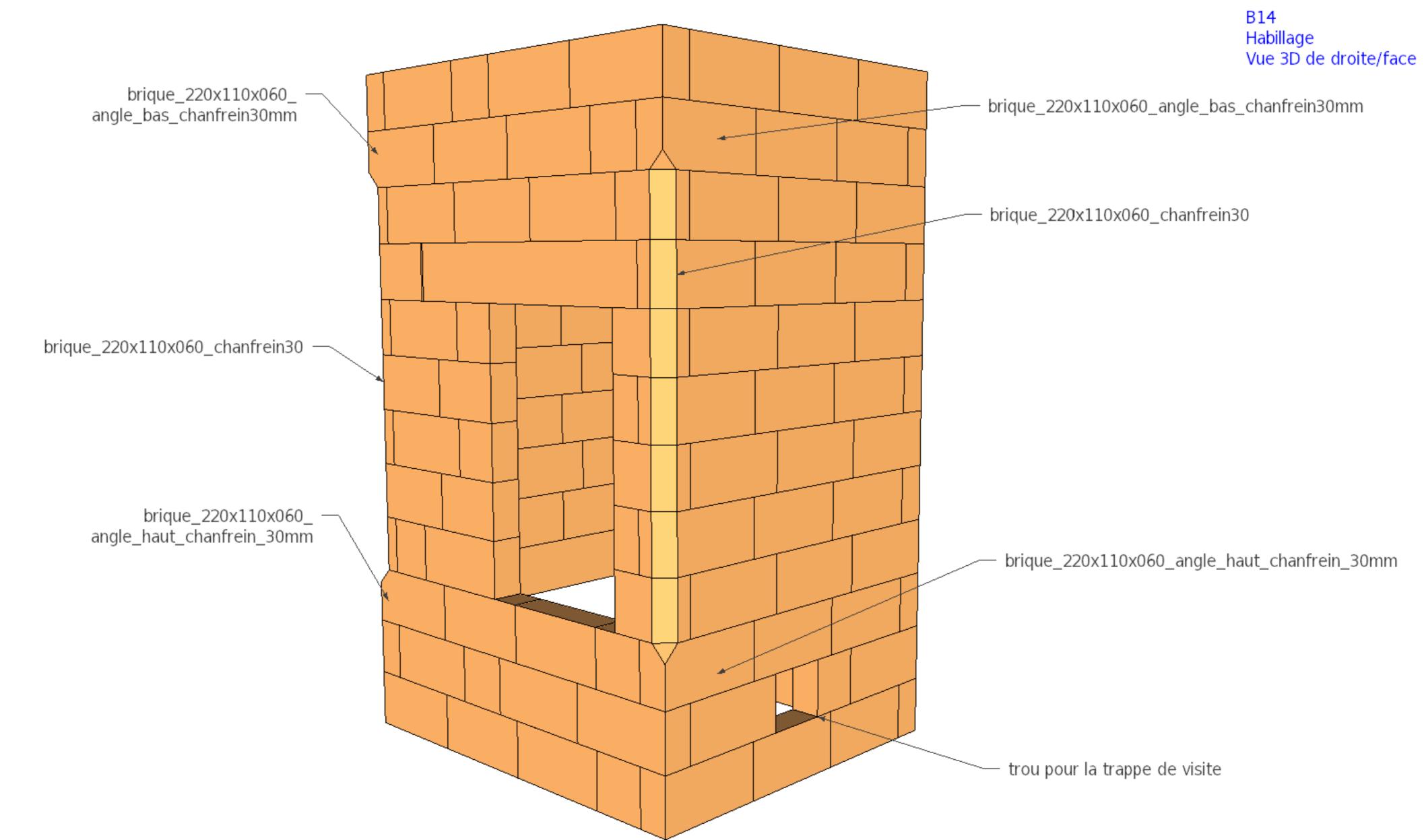
B14 Coeur11 Briques sur champ

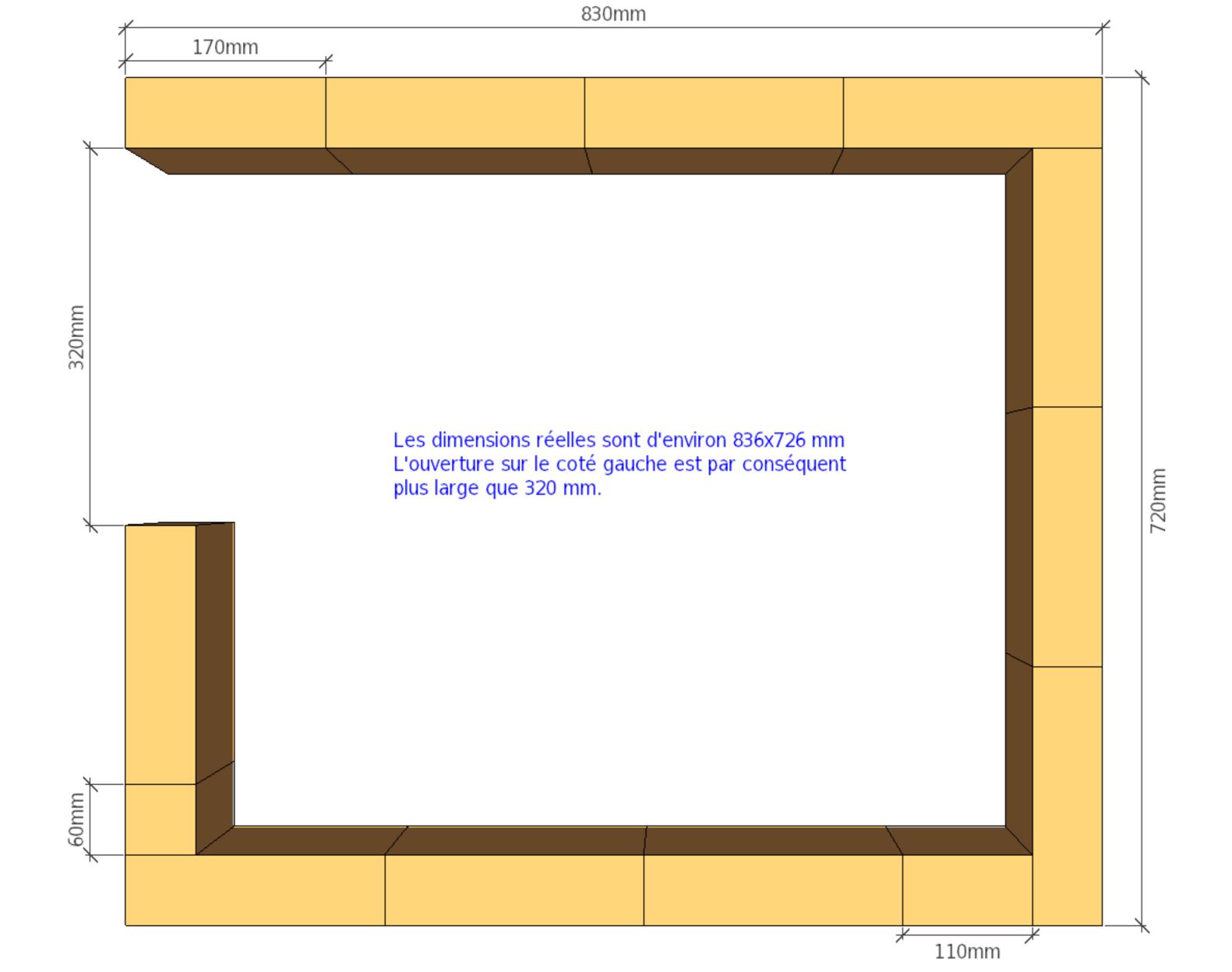


B14 Coeur12 Briques sur champ

HABILLAGE

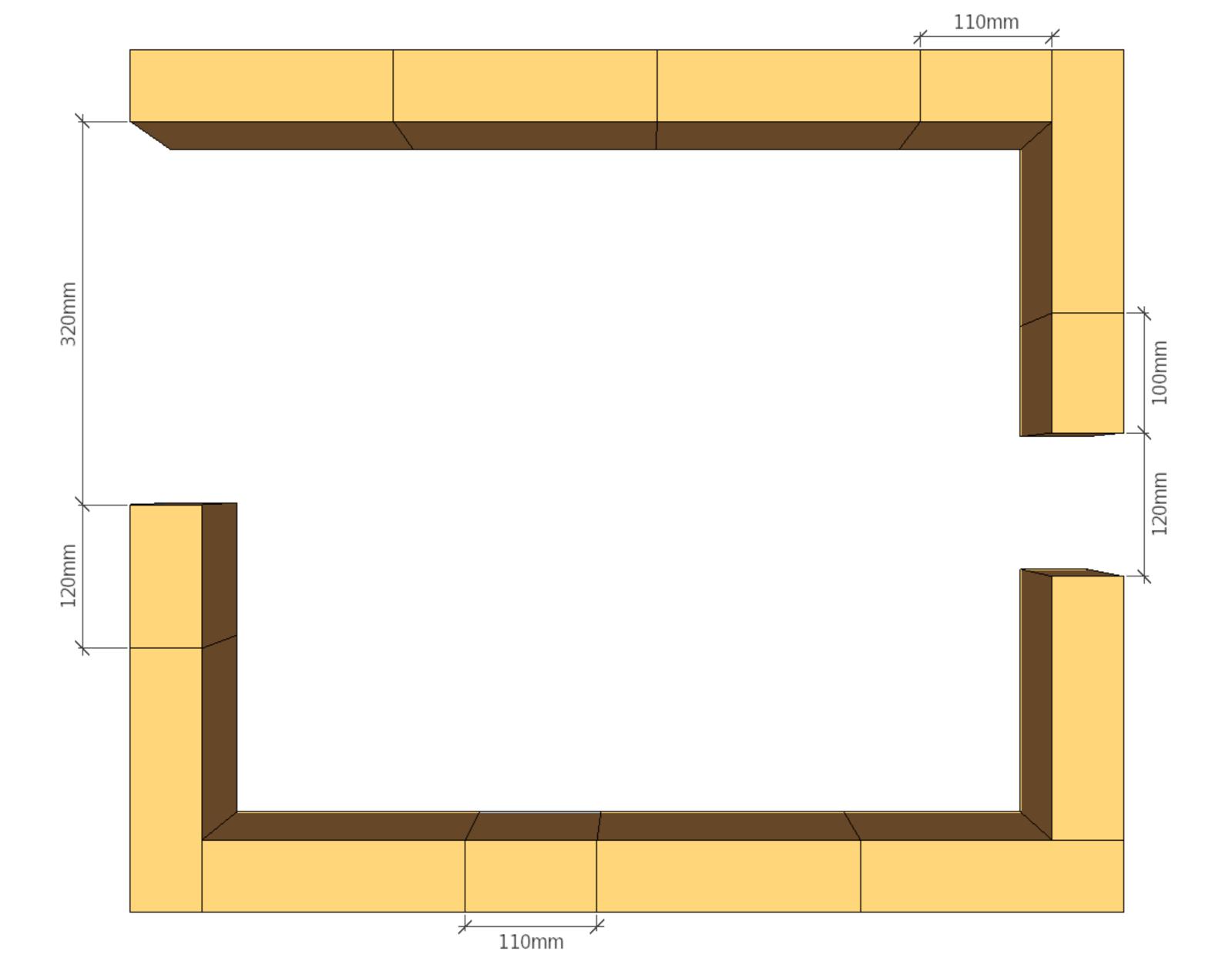
B14 semi masse Coeur01, Habillage01 Cadre_coeur



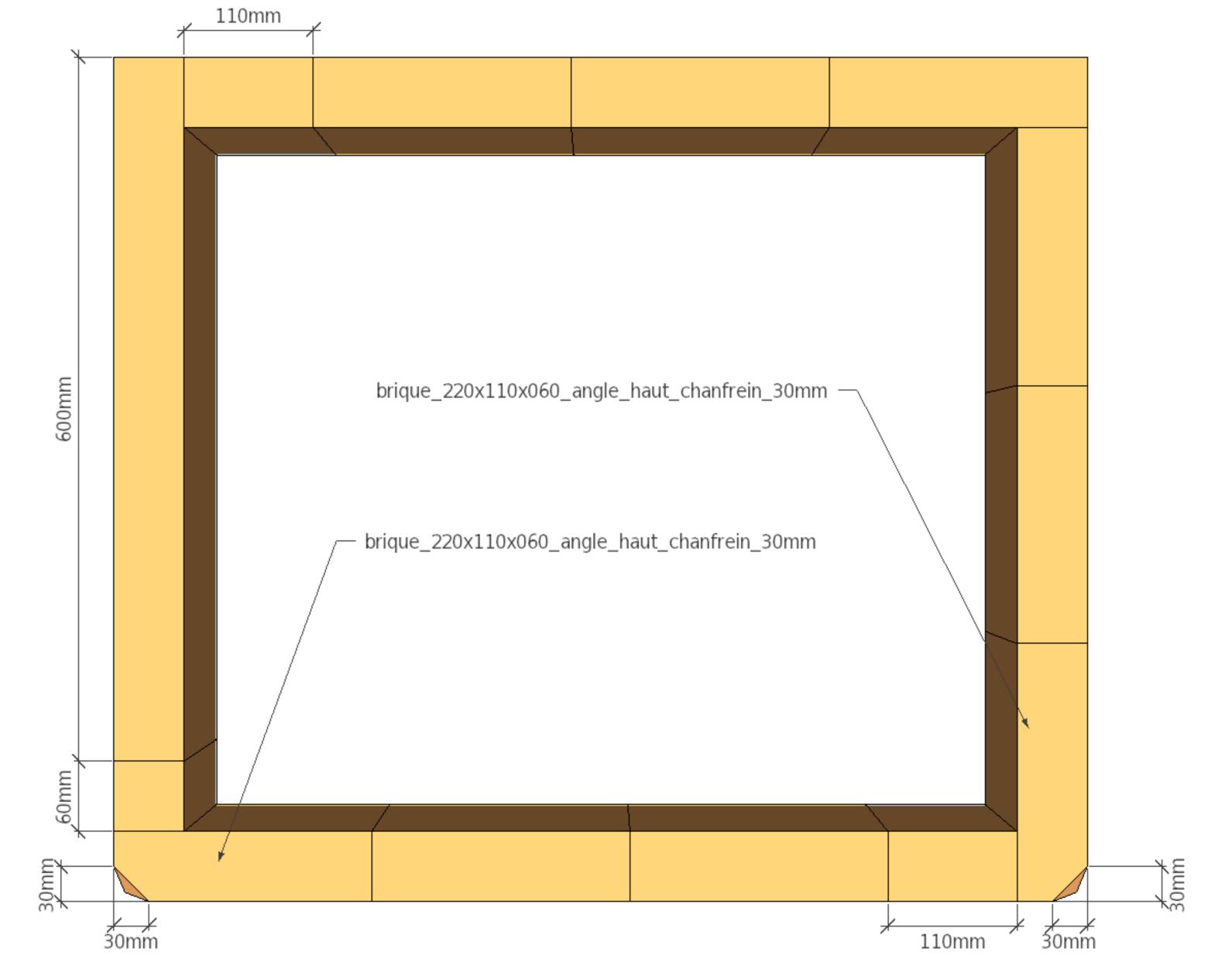


B14

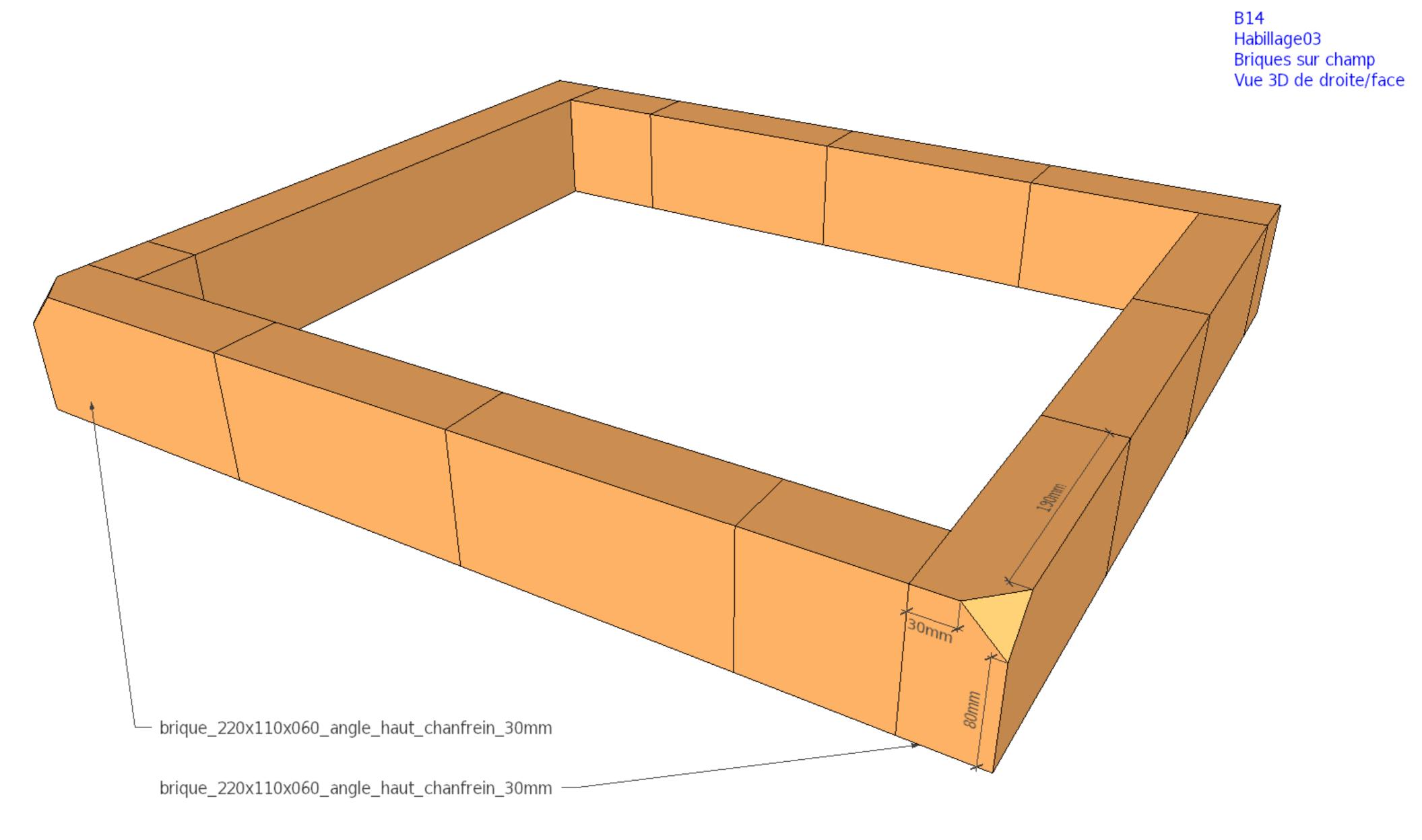
Habillage01 Briques sur champ



B14 Habillage02 Briques sur champ



B14 Habillage03 Briques sur champ

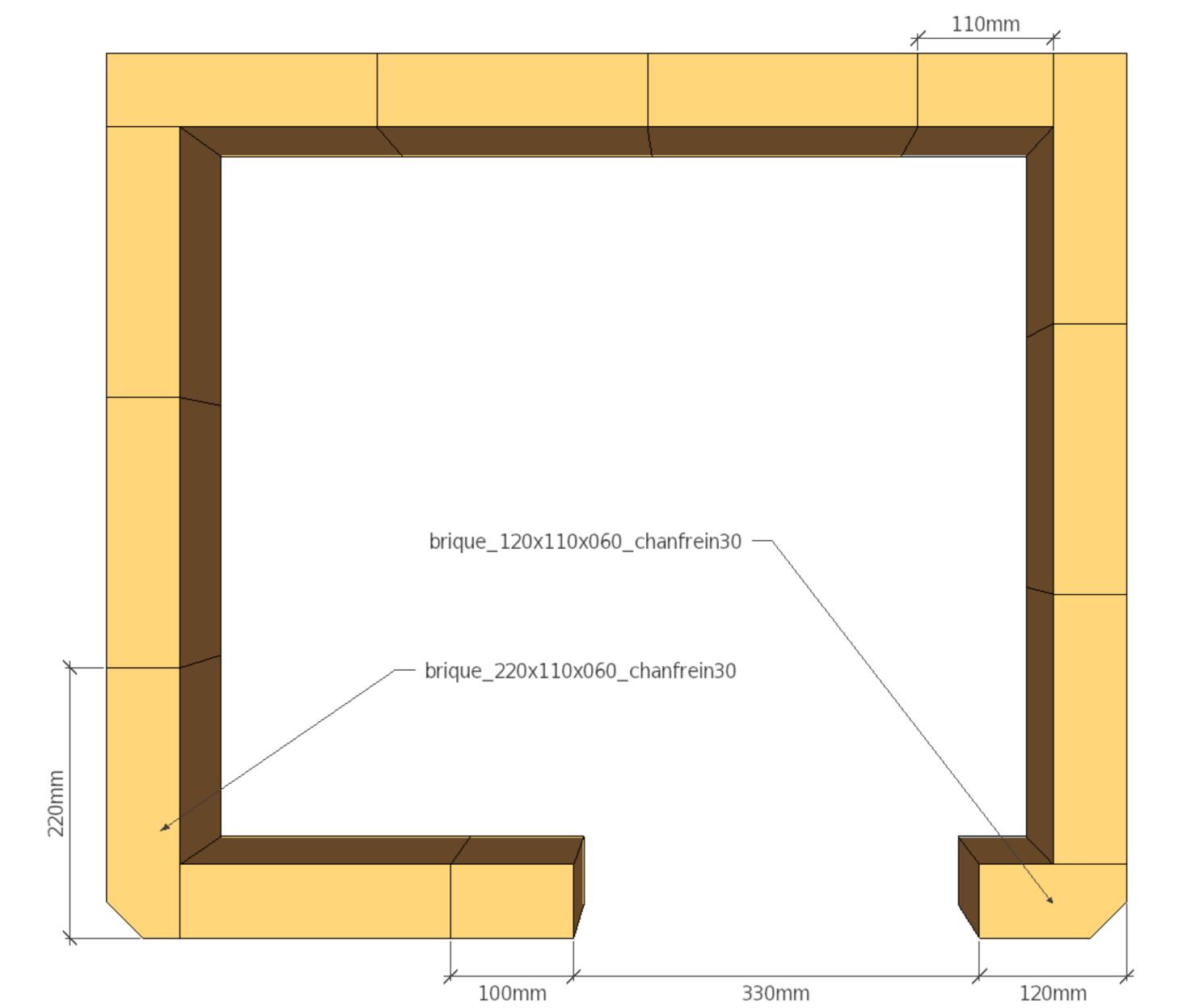


Dessus

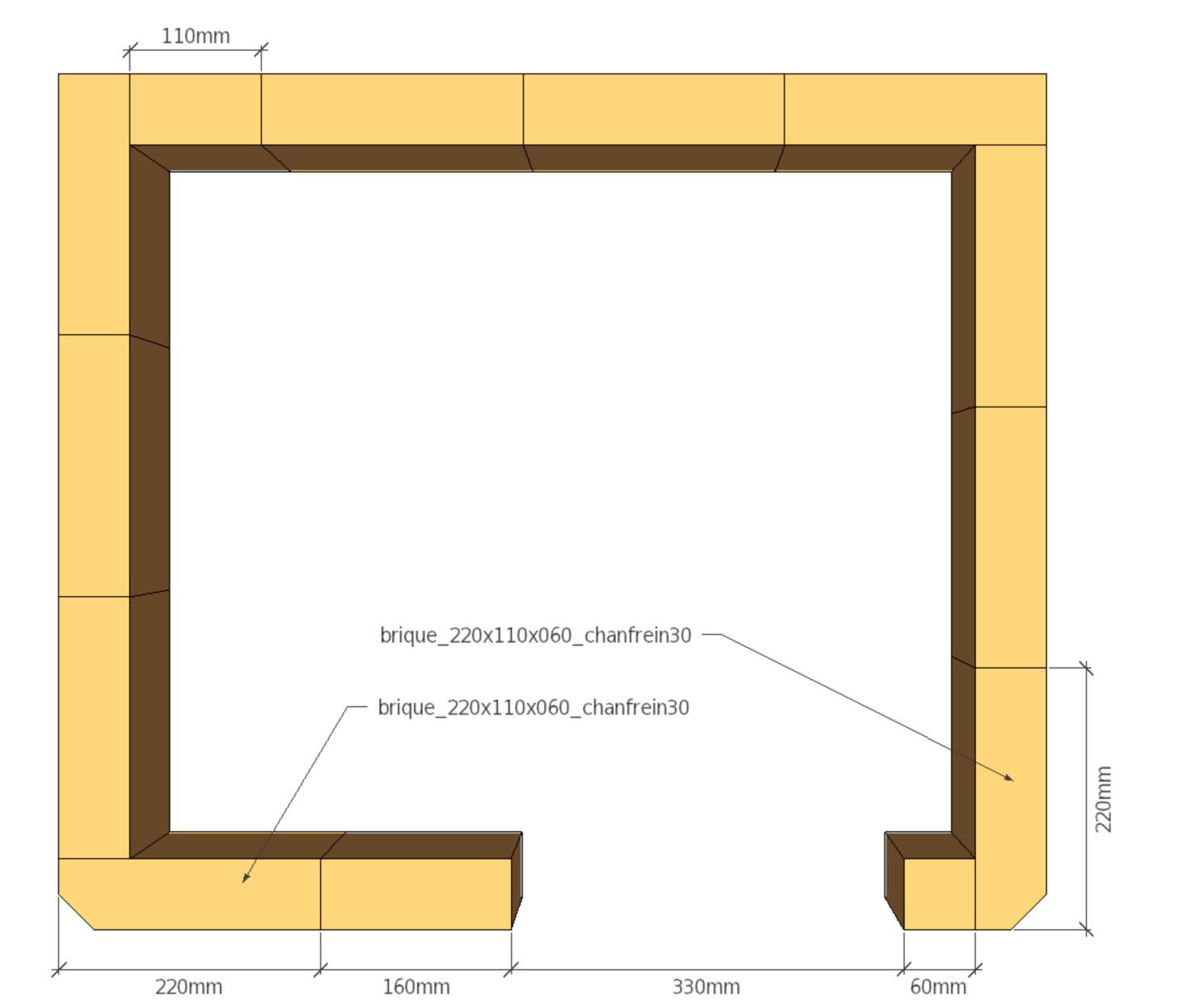
B14 Habillage04 Briques sur champ

Dessus

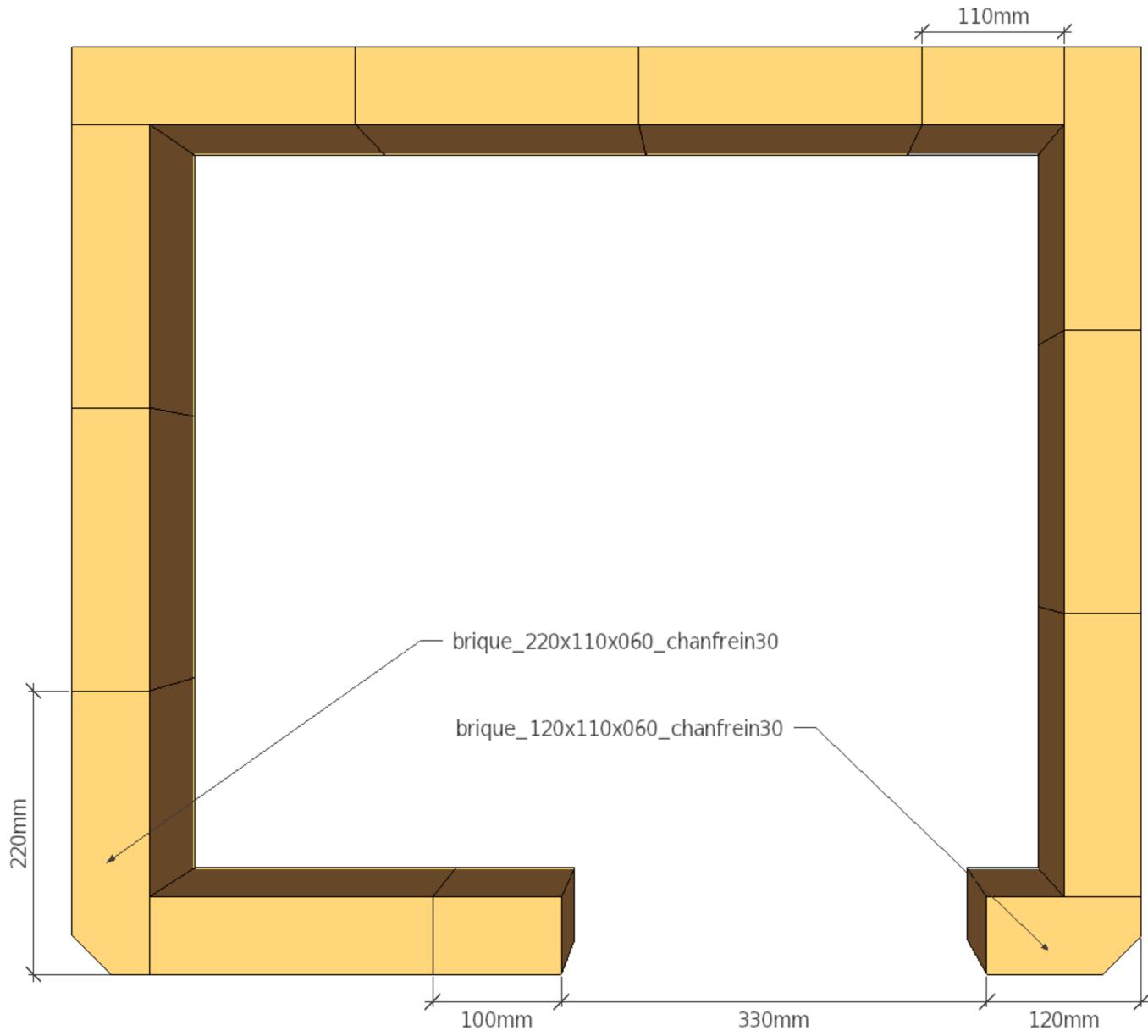
B14 Habillage05 Briques sur champ



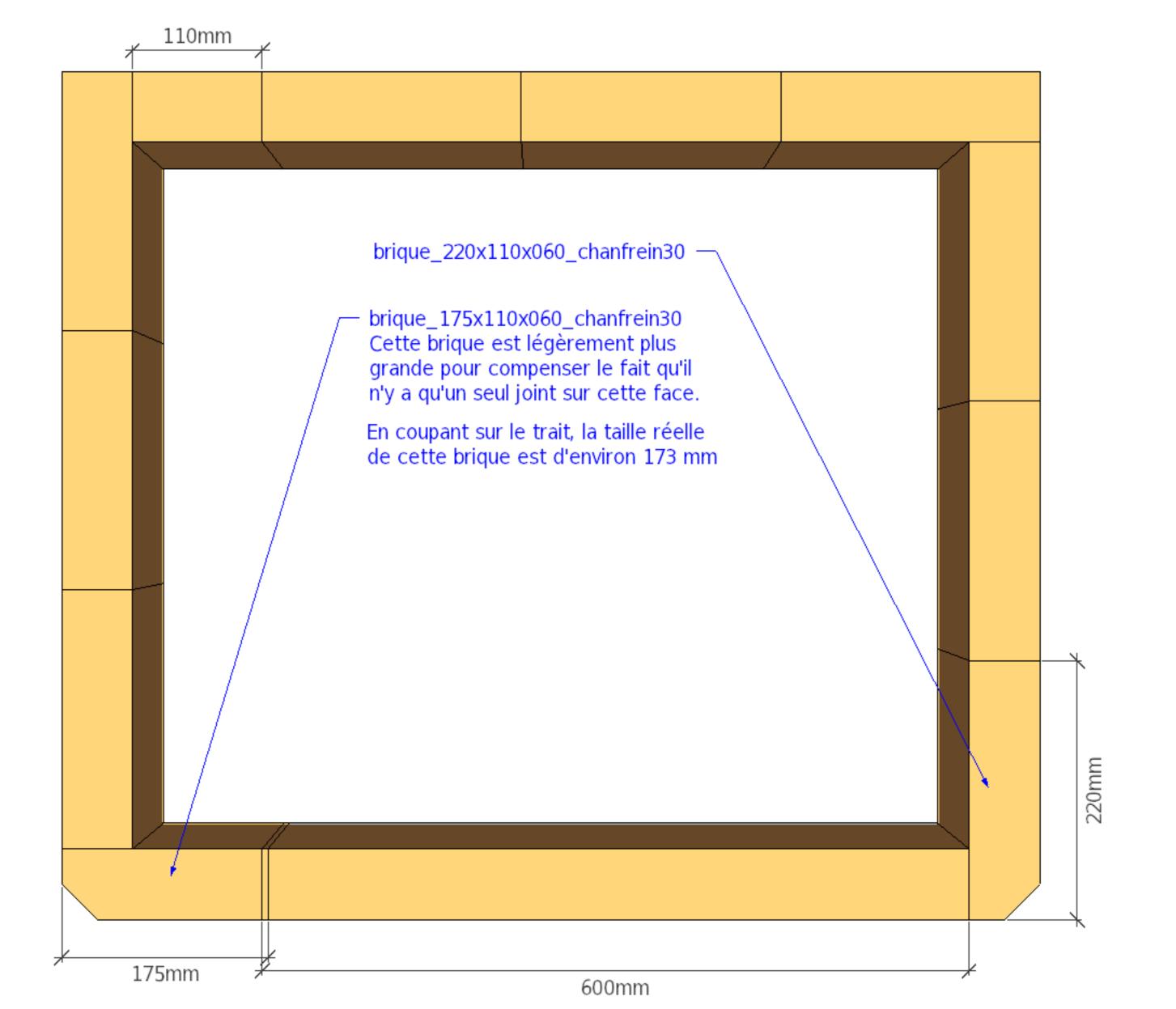
B14 Habillage06 Briques sur champ



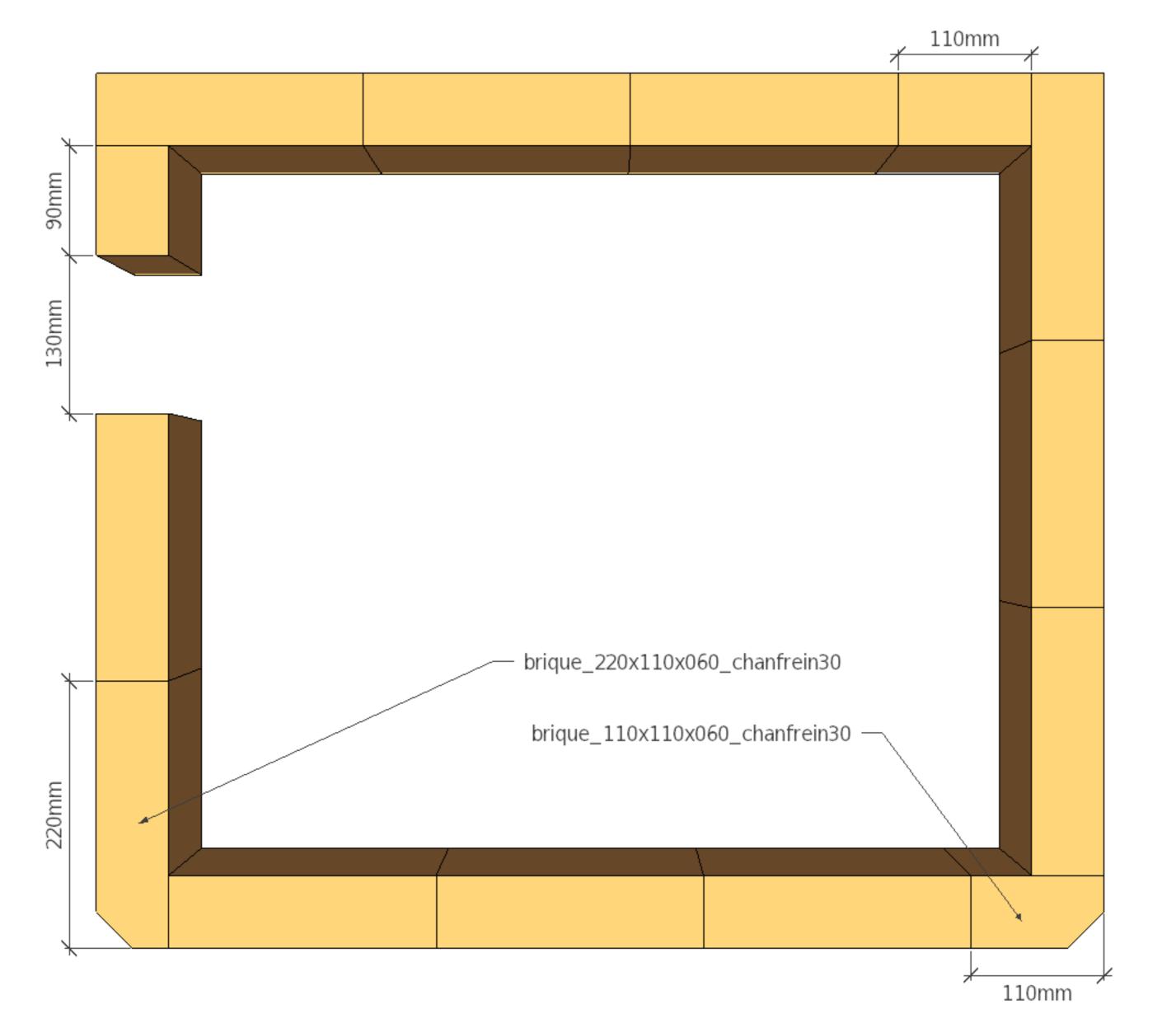
B14 Habillage07 Briques sur champ



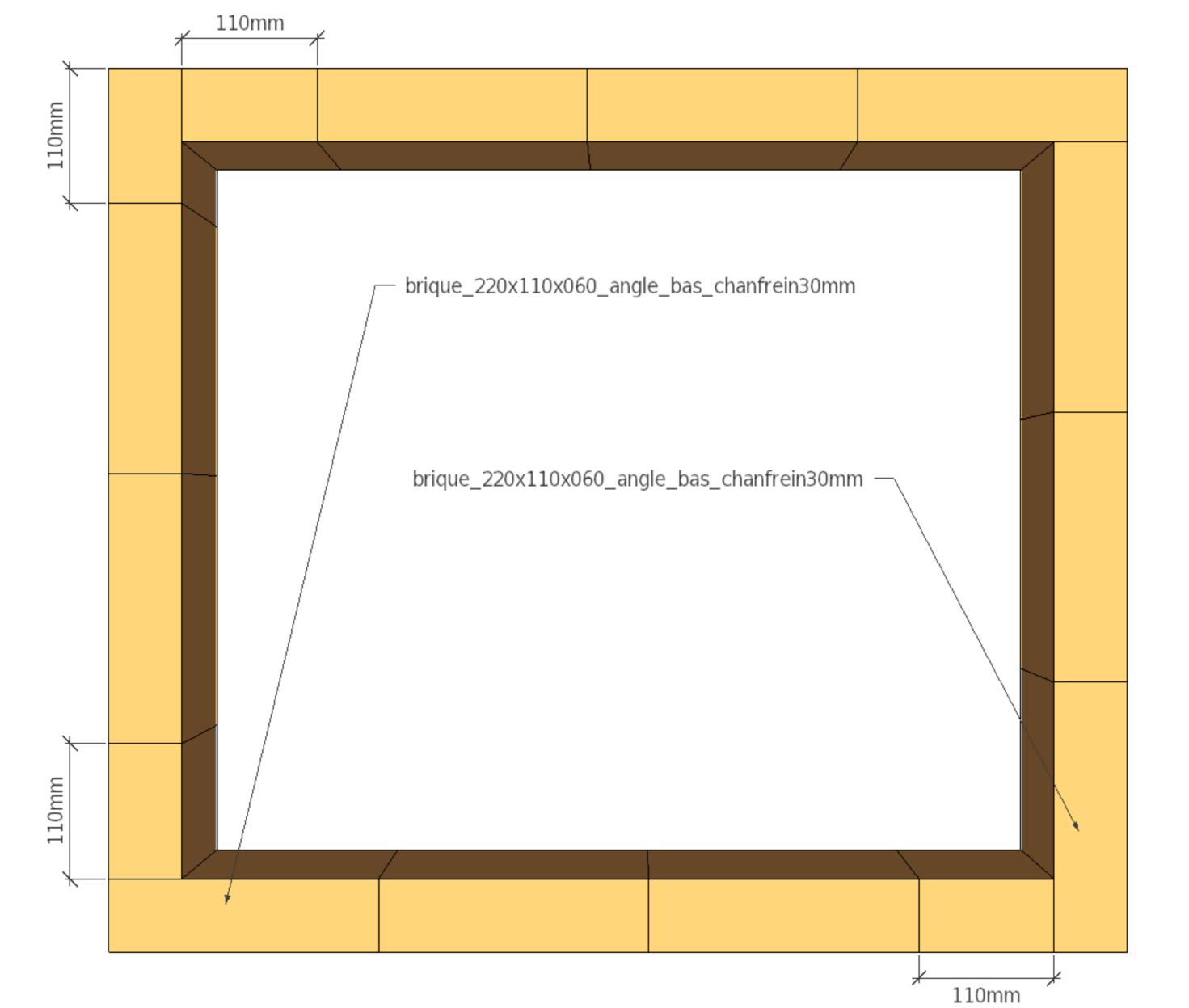
B14 Habillage08 Briques sur champ



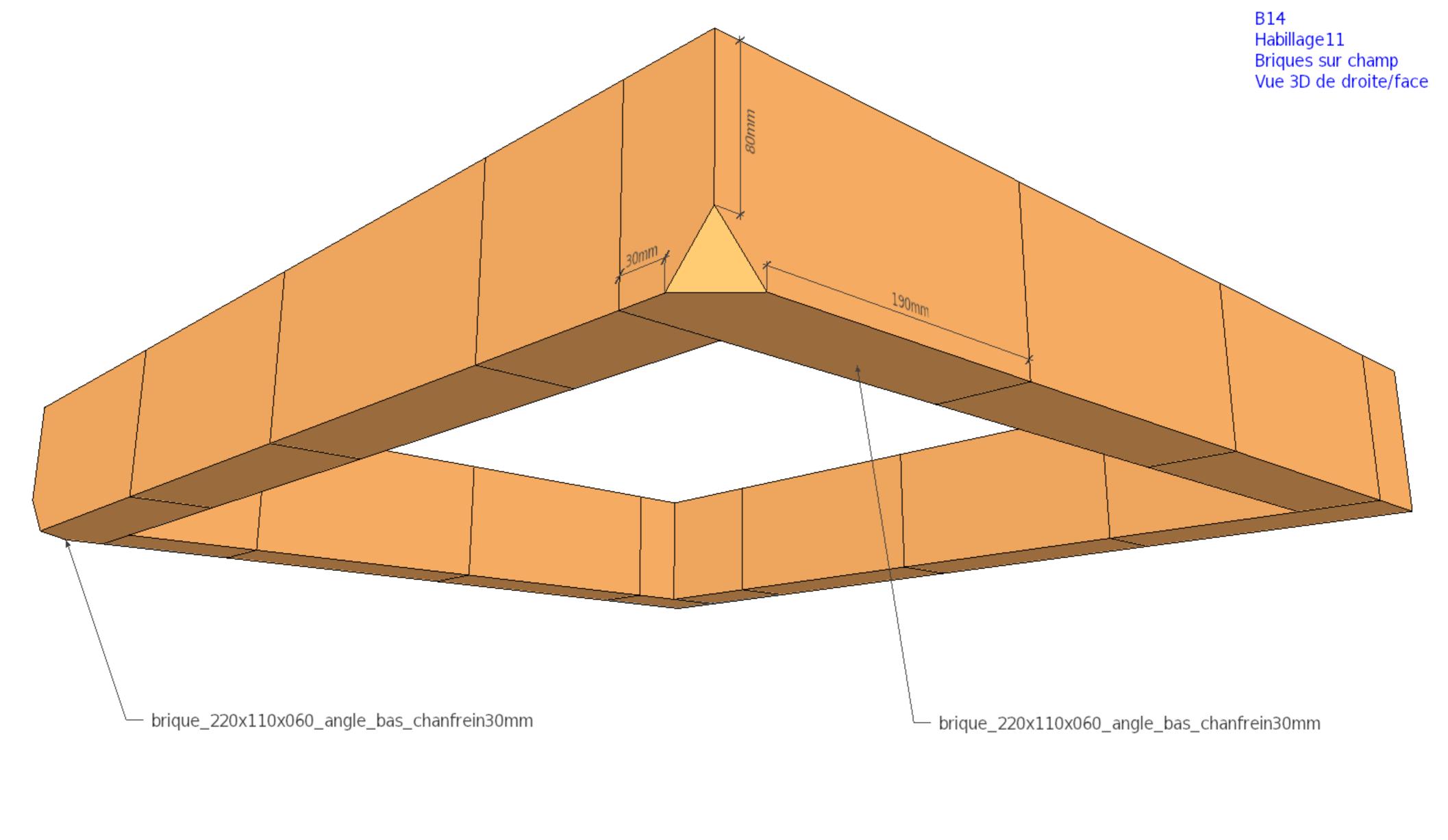
B14 Habillage09 Briques sur champ

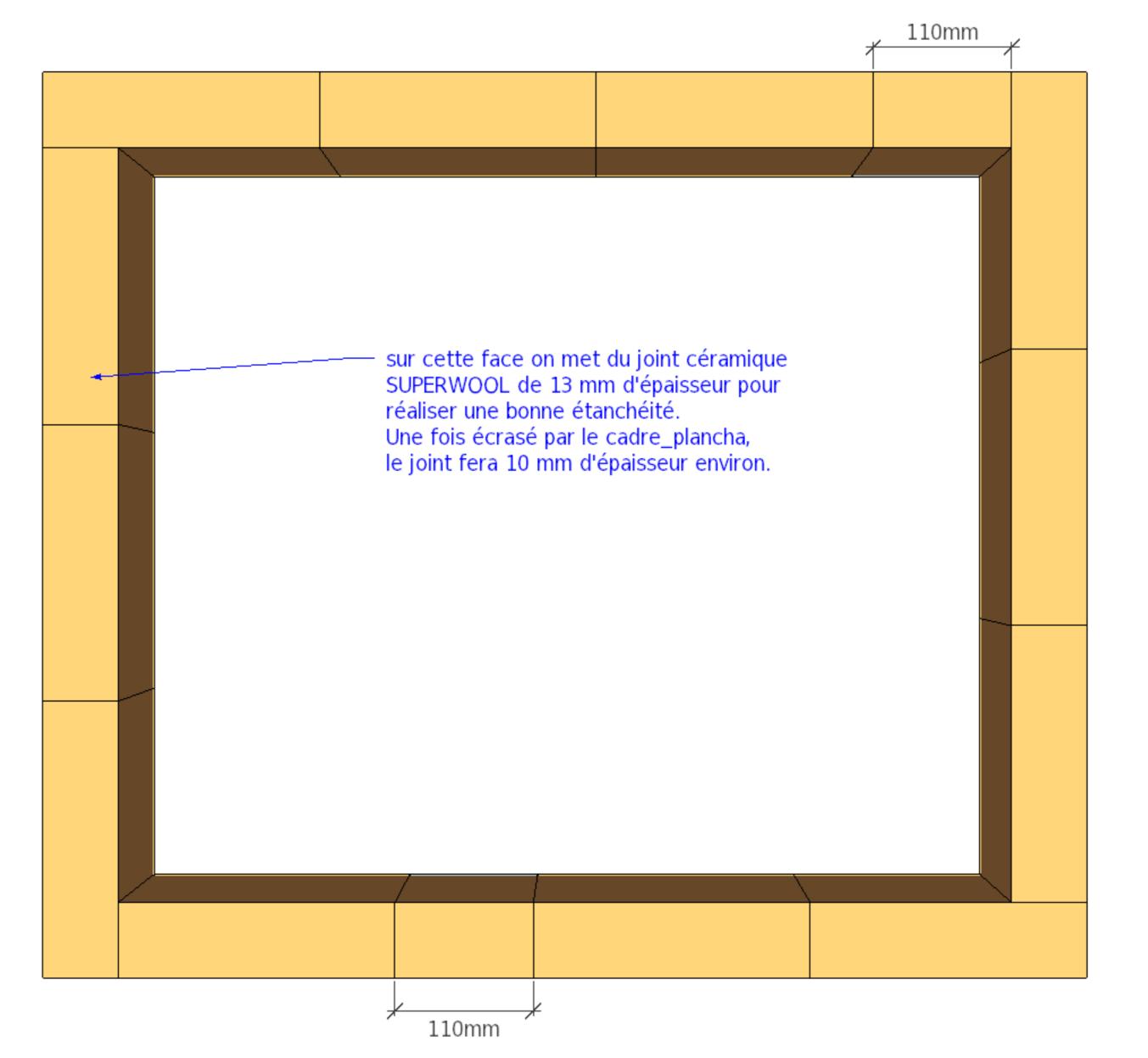


B14 Habillage10 Briques sur champ



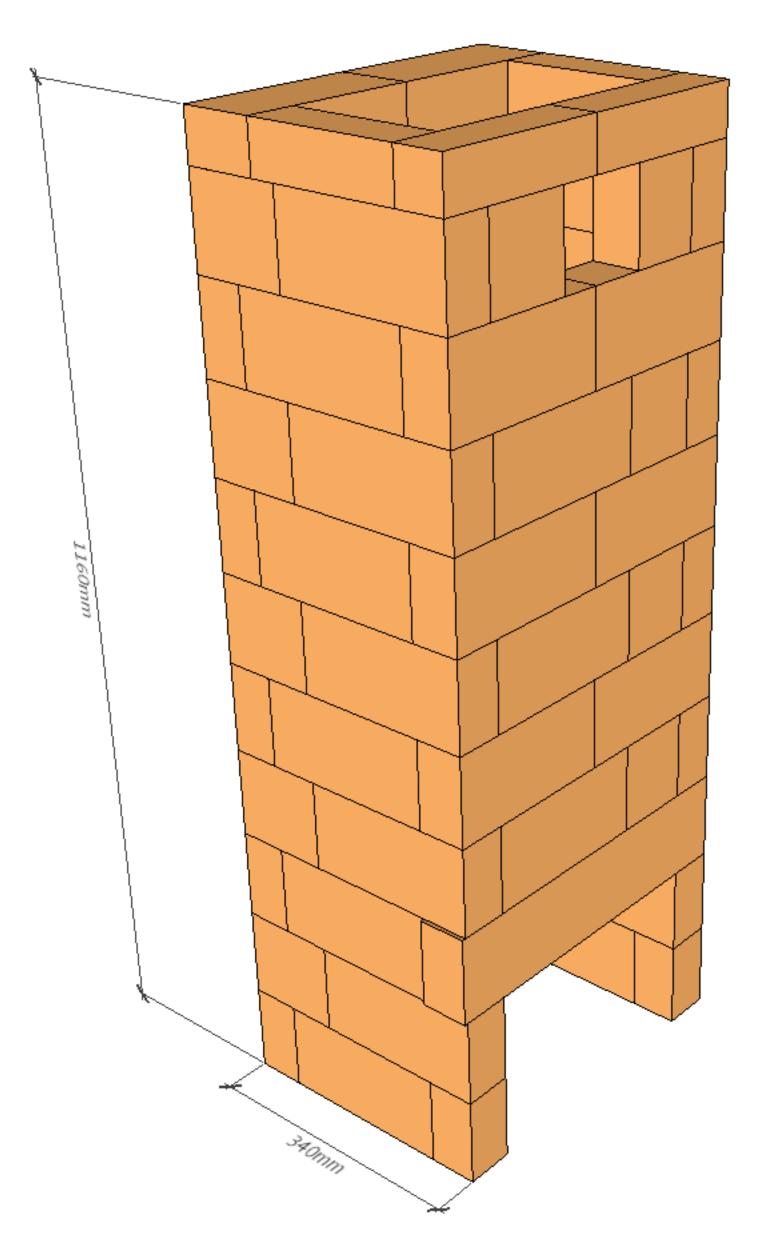
B14 Habillage11 Briques sur champ



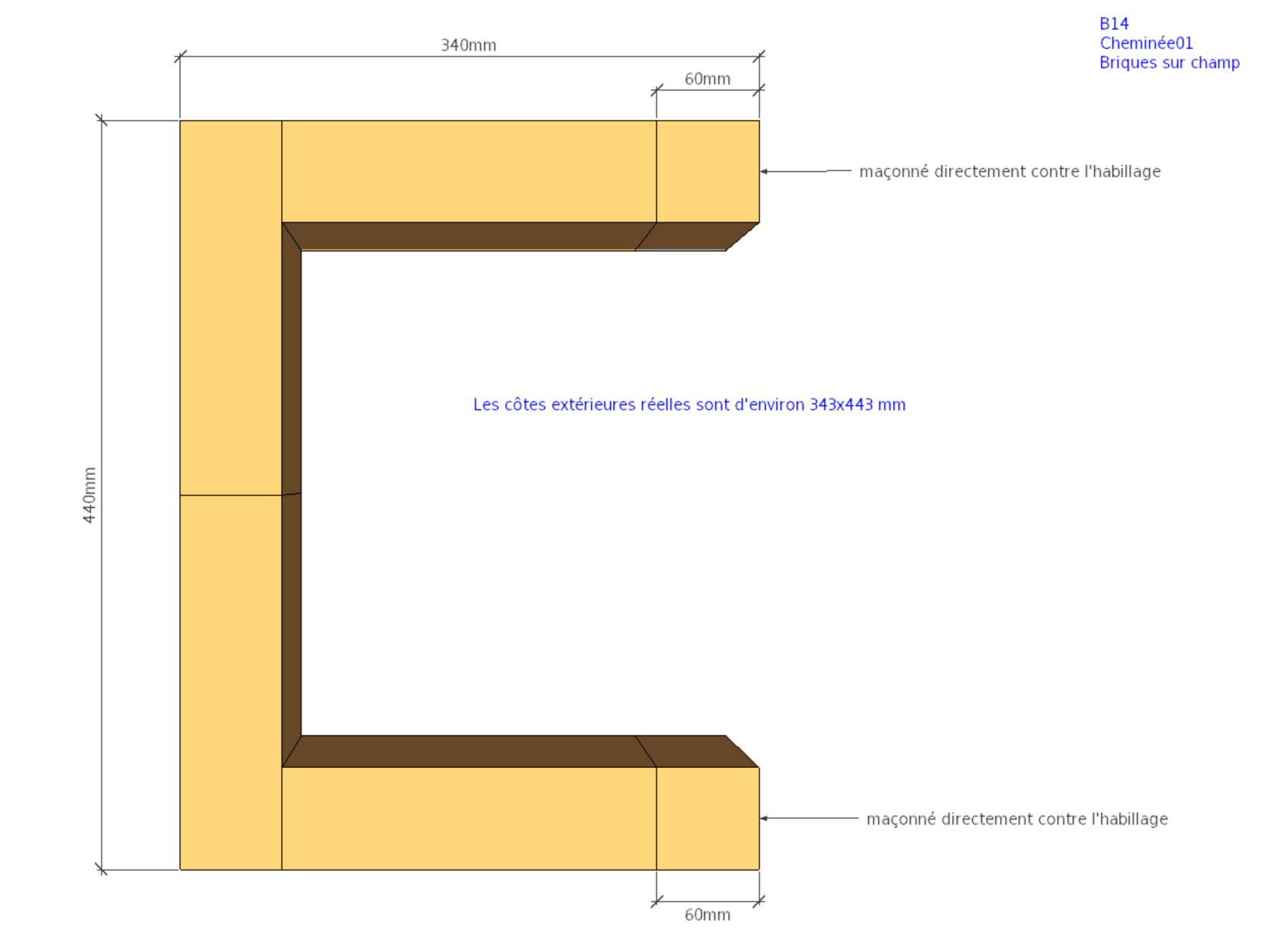


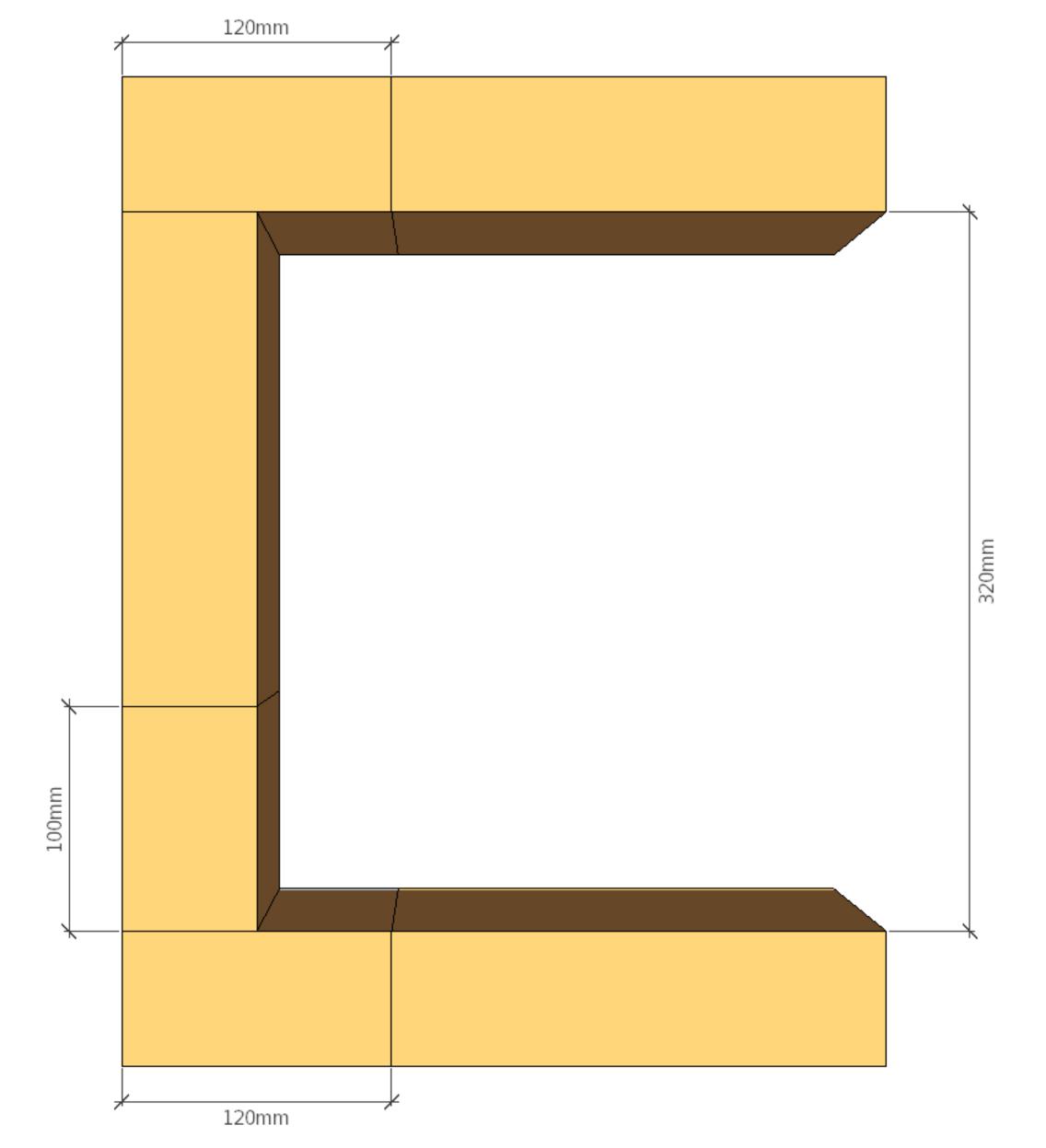
B14 Habillage12 Briques sur champ

CHEMINÉE D'ÉVACUATION

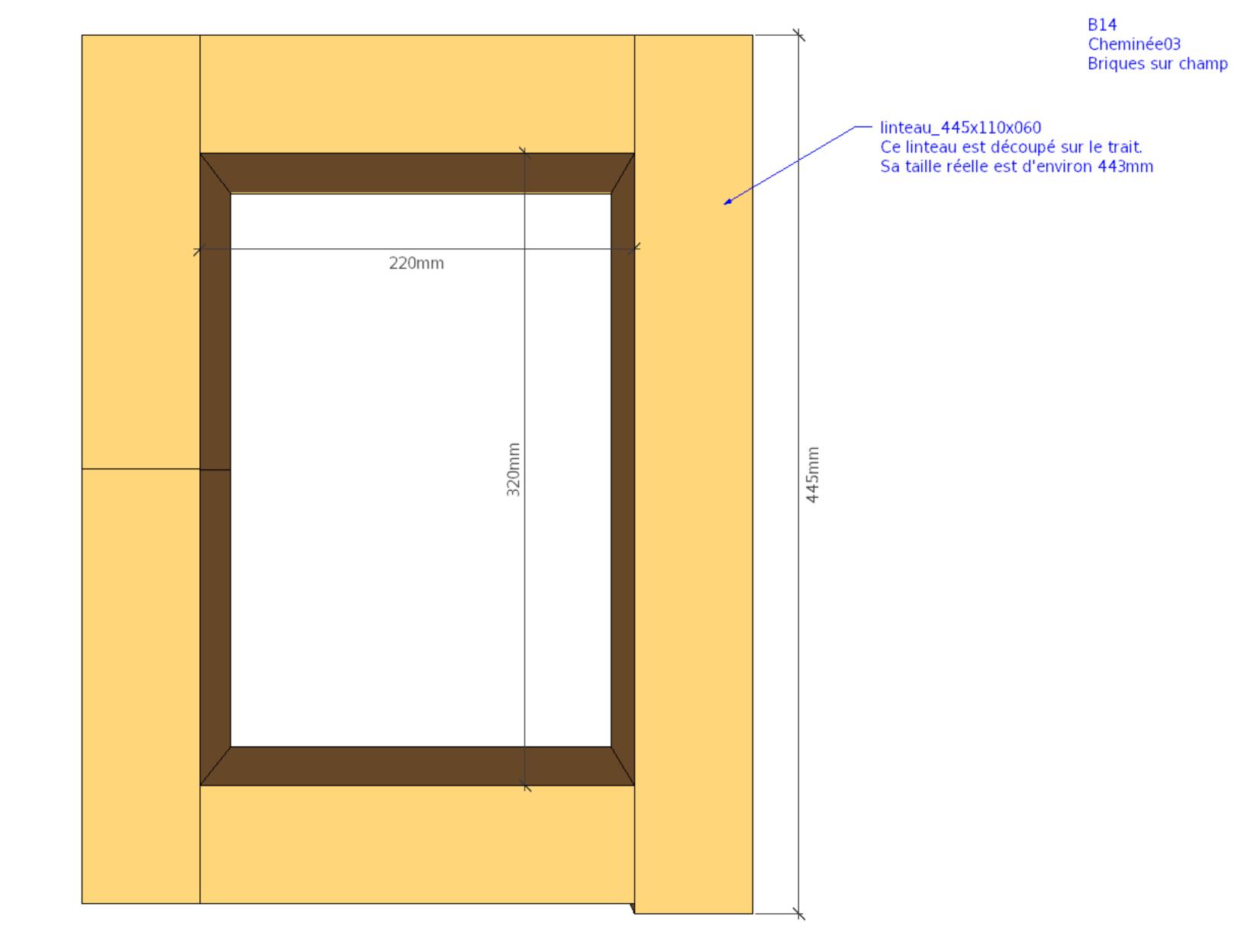


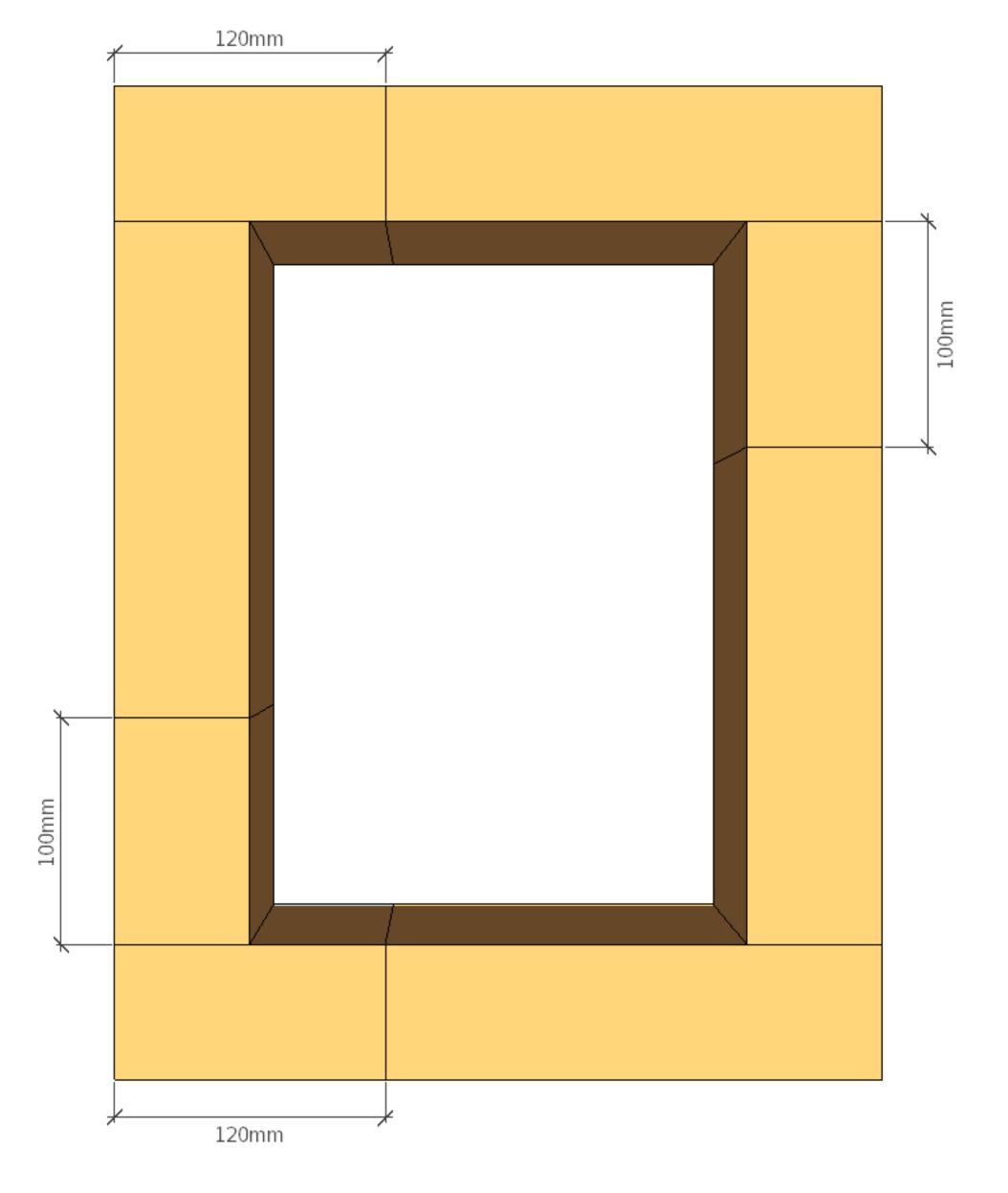
La hauteur réelle de la cheminée est d'environ 1172 mm. Les joints font en moyenne 2 mm.



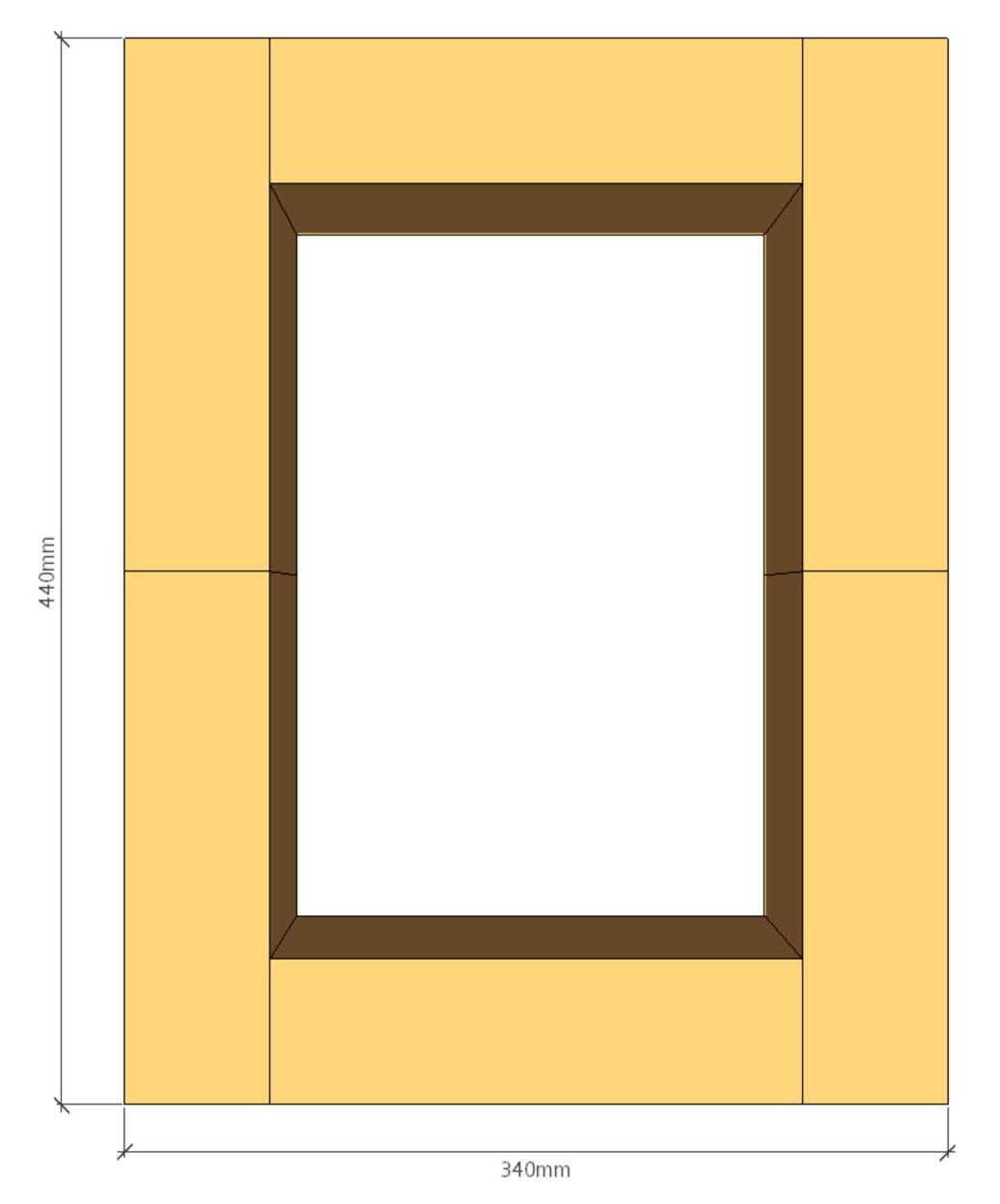


B14 Cheminée02 Briques sur champ

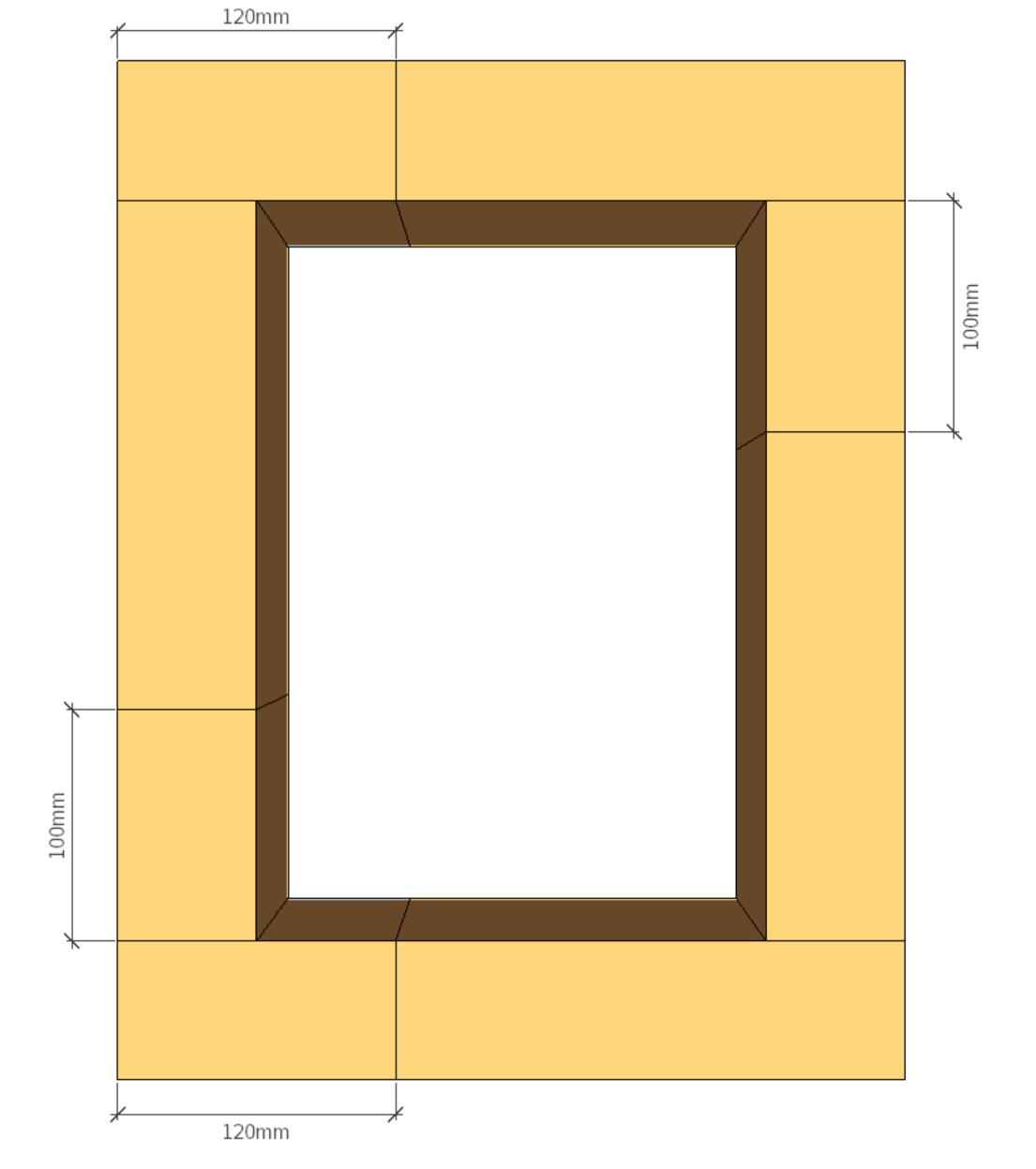




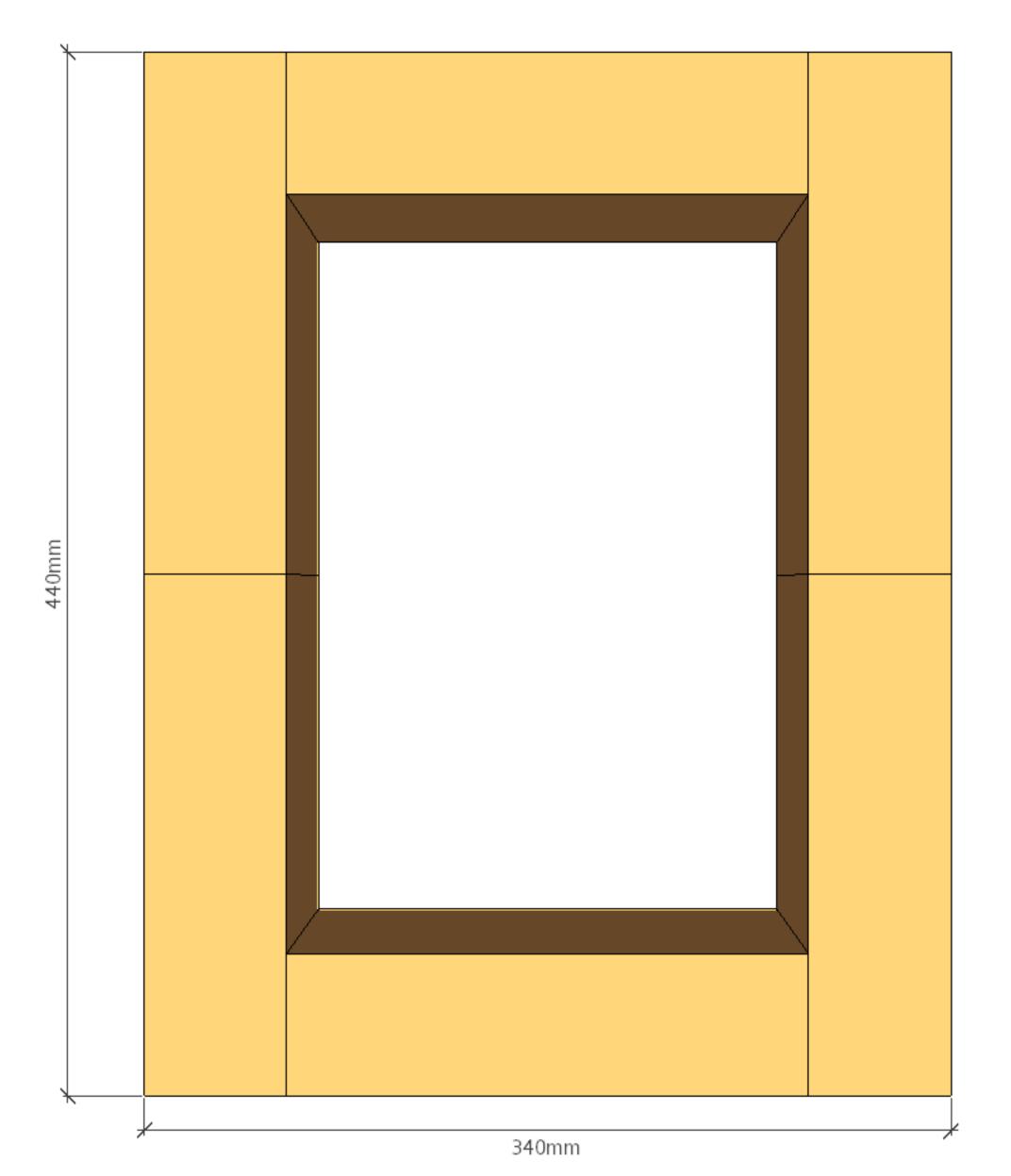
B14 Cheminée04 Briques sur champ

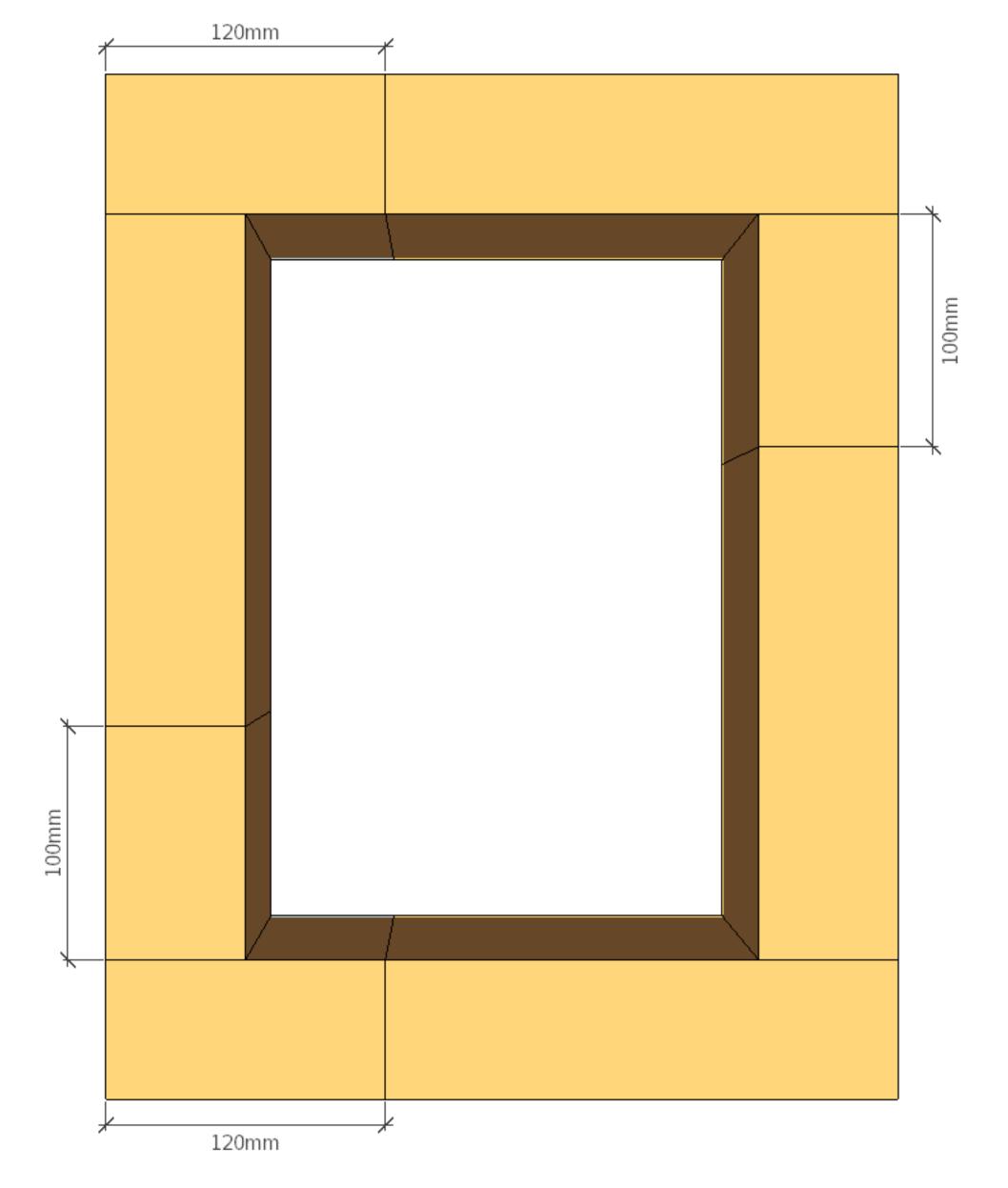


B14 Cheminée05 Briques sur champ



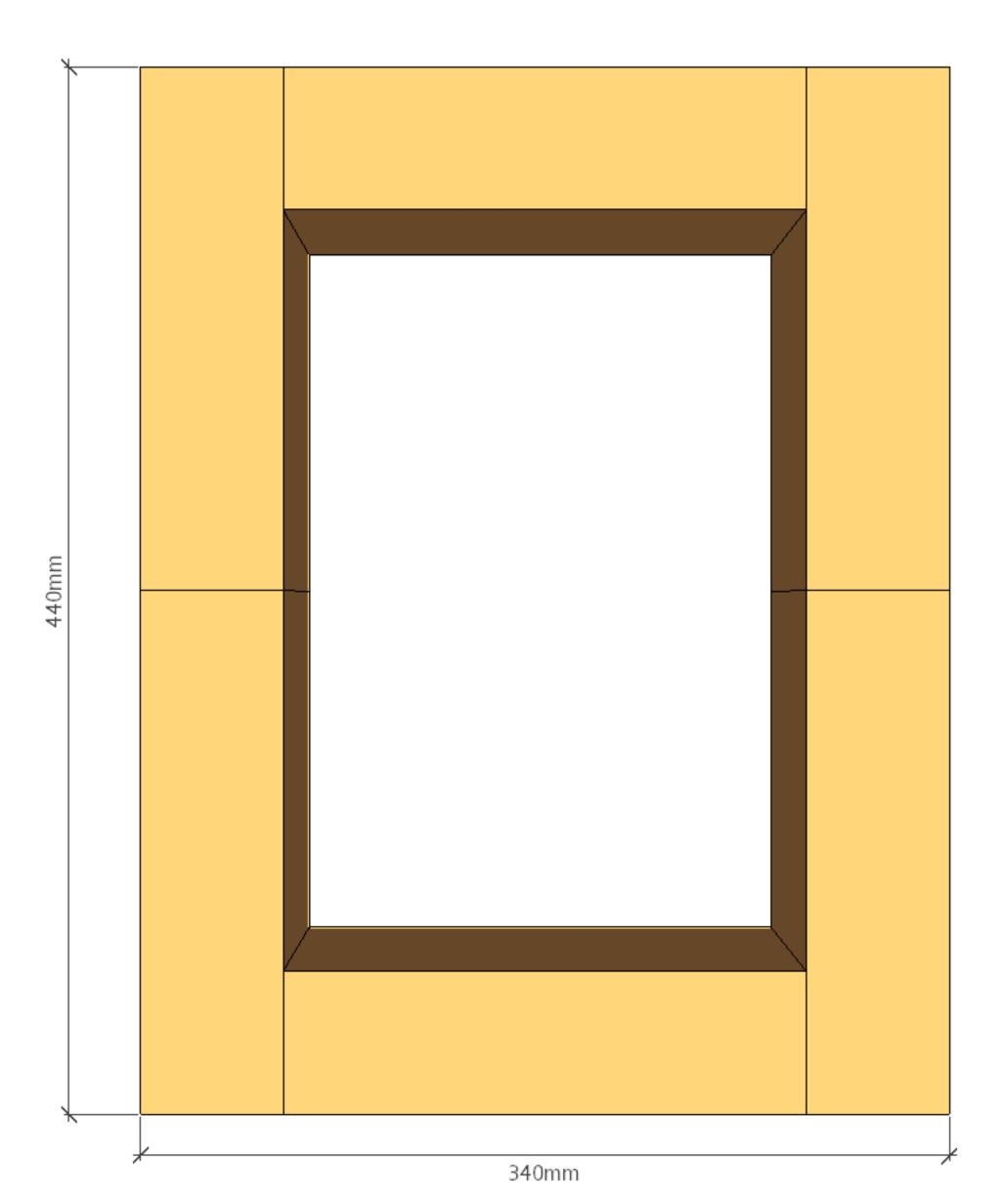
B14 Cheminée06 Briques sur champ



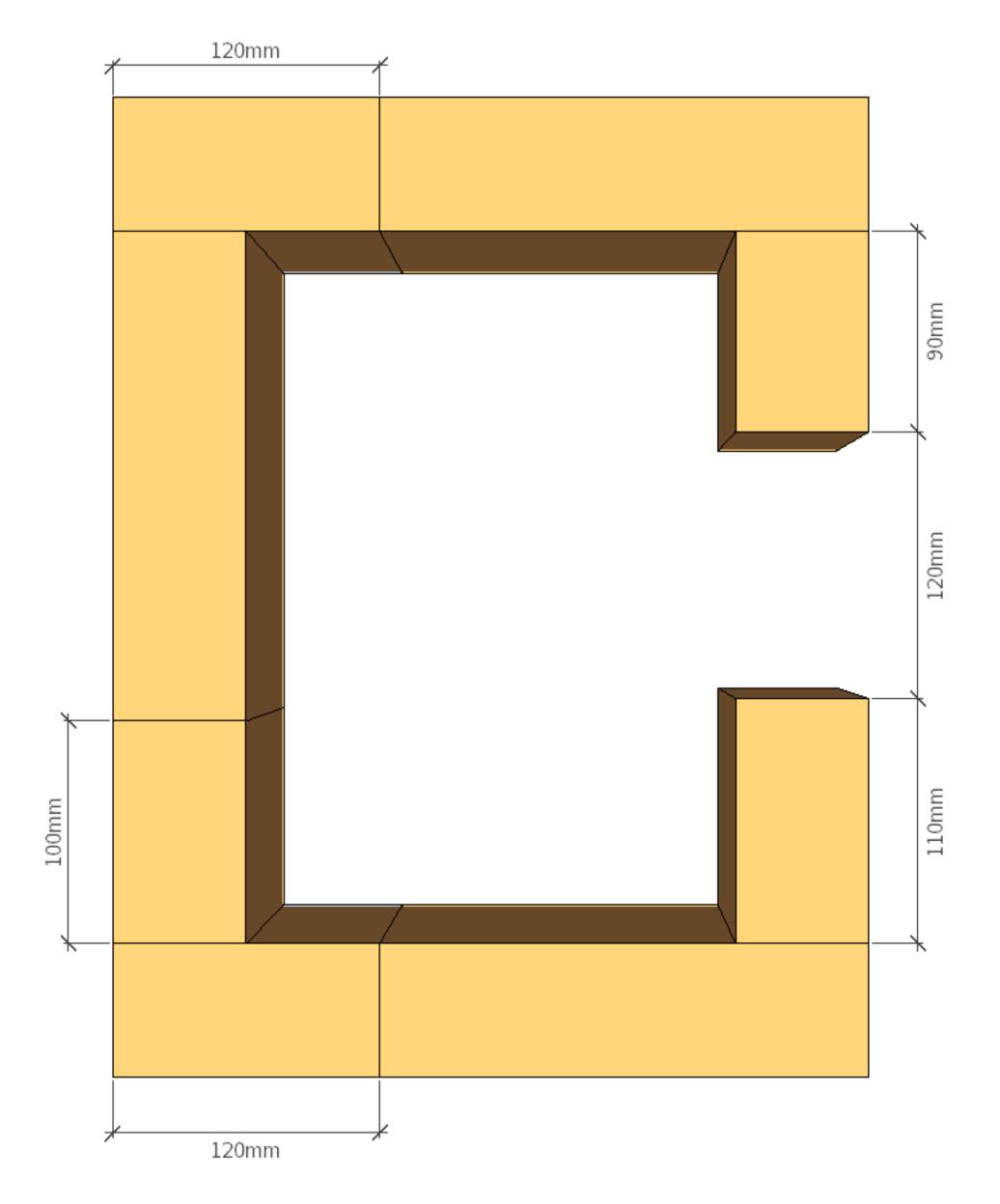


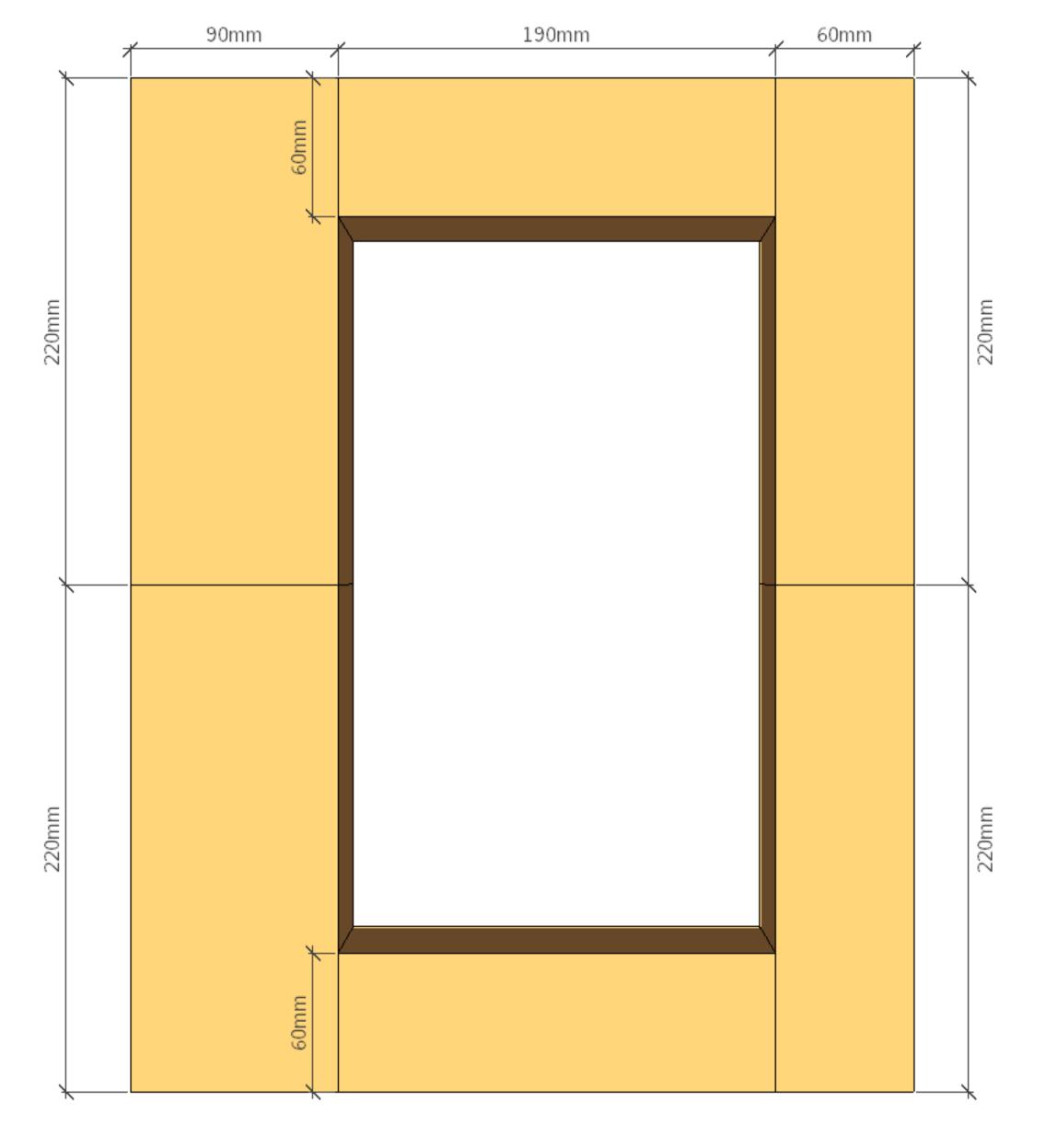
B14 Cheminée08 Briques sur champ

B14 Cheminée09 Briques sur champ



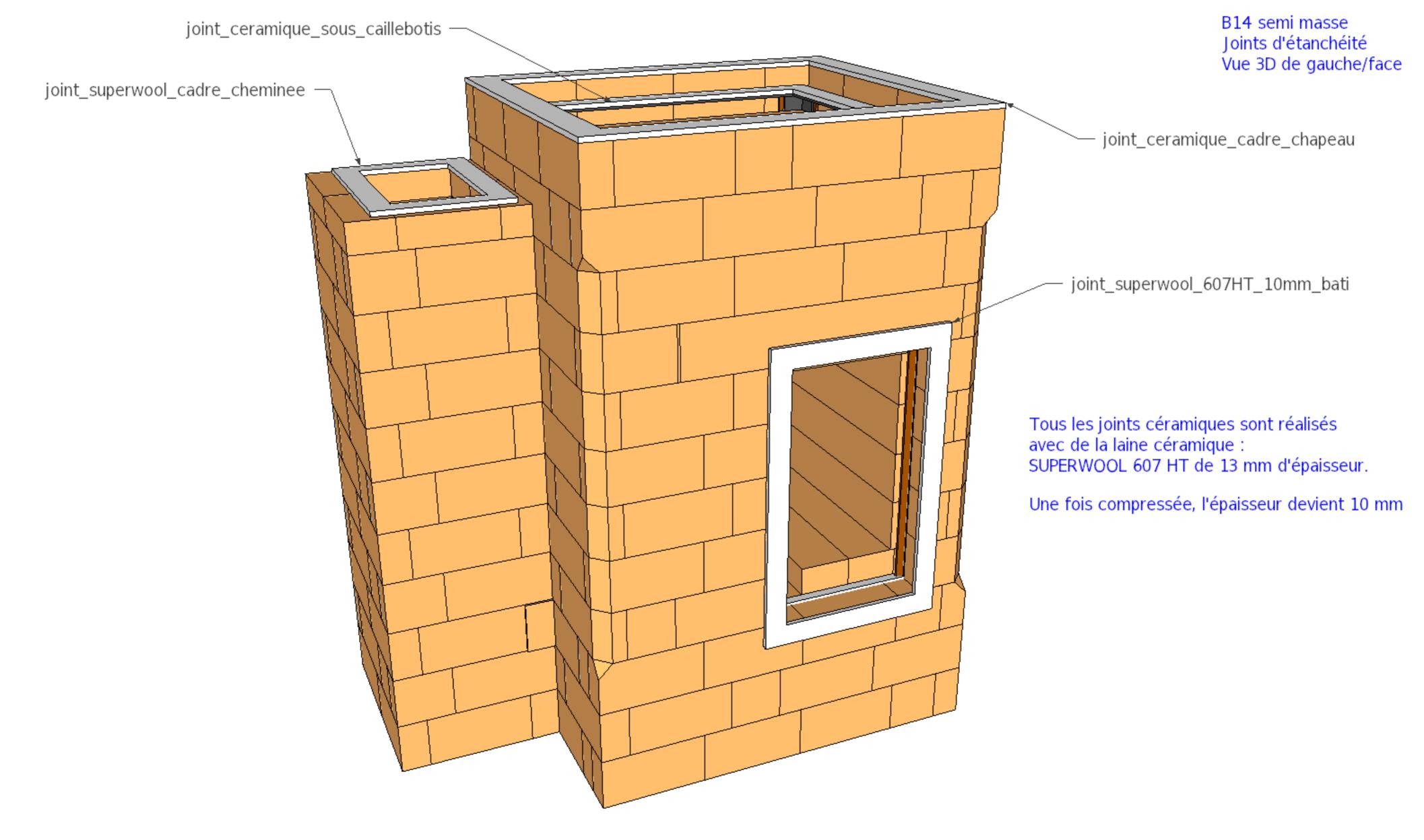
B14 Cheminée10 Briques sur champ

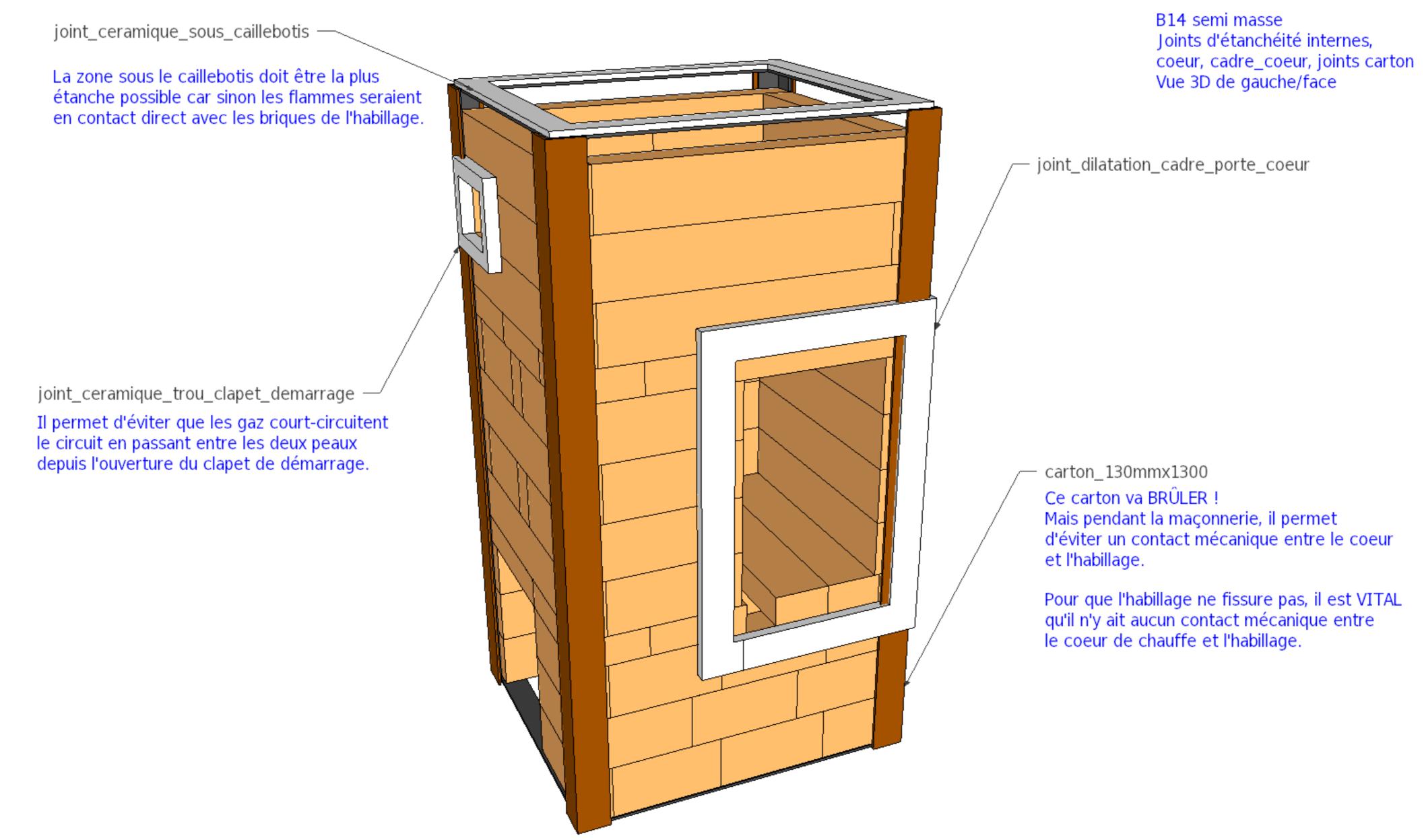




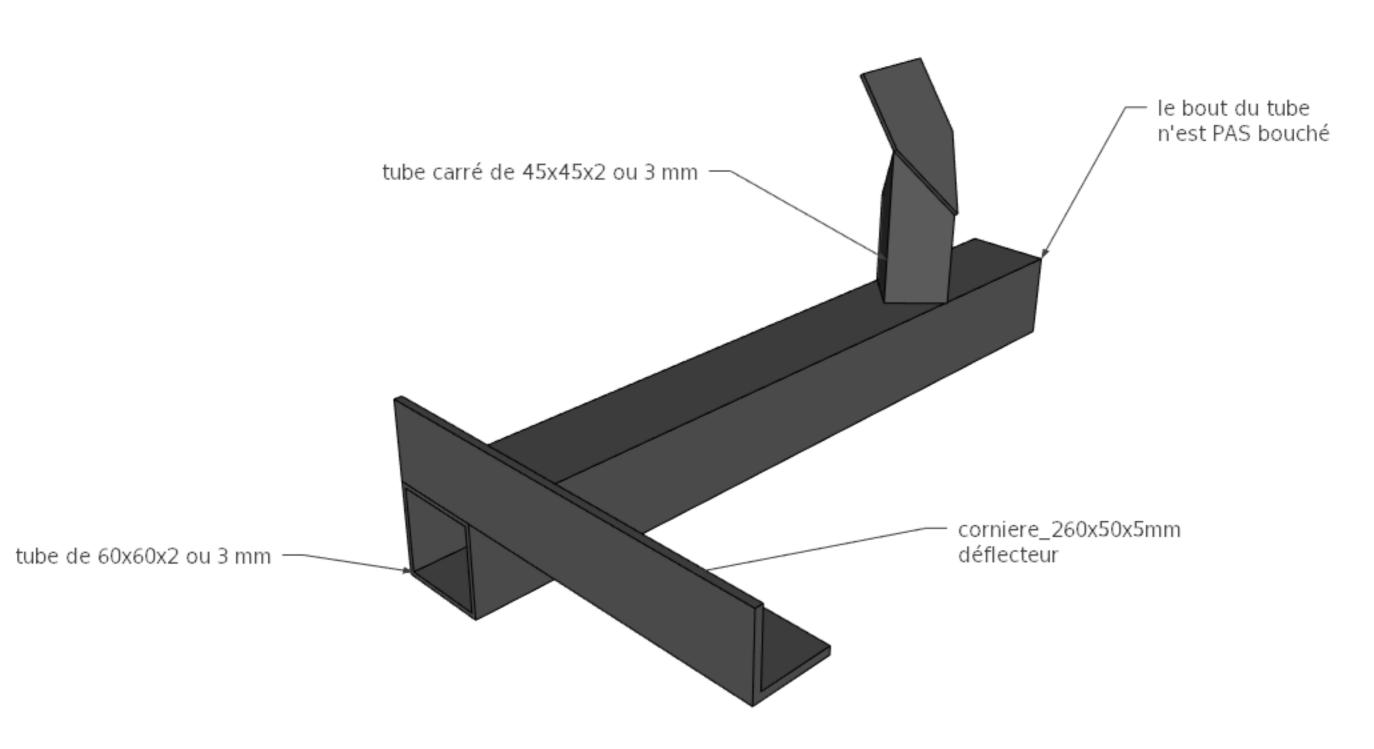
B14 Cheminée11 Briques à plat

JOINTS D'ÉTANCHÉITÉ ET DE DILATATION

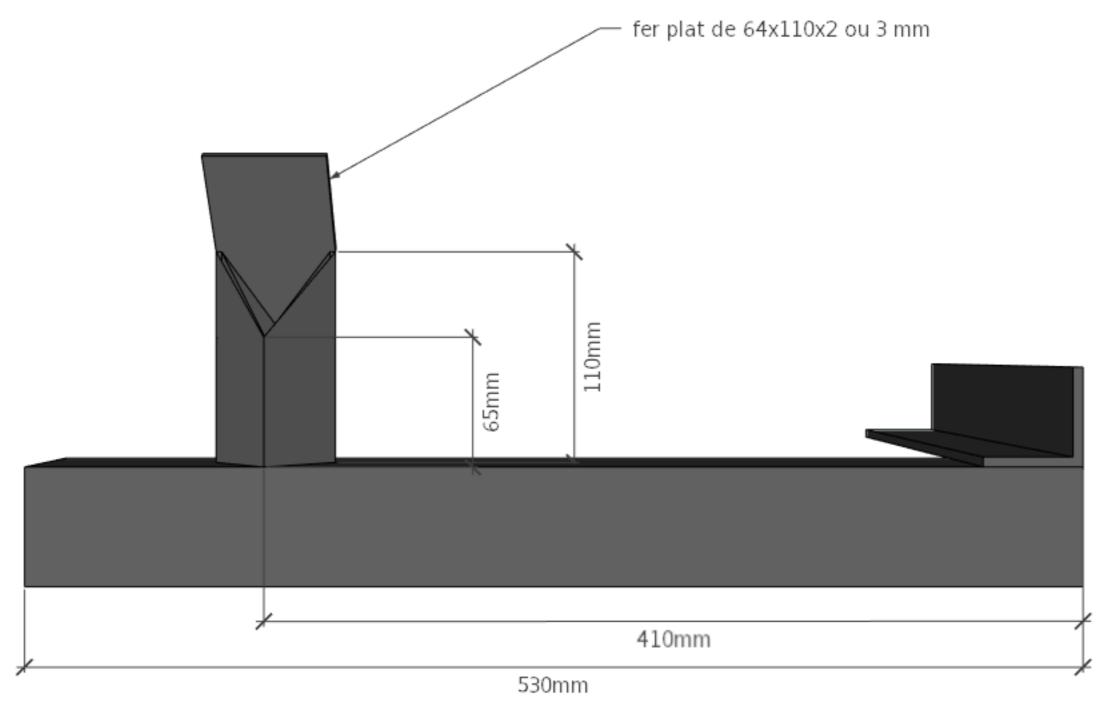


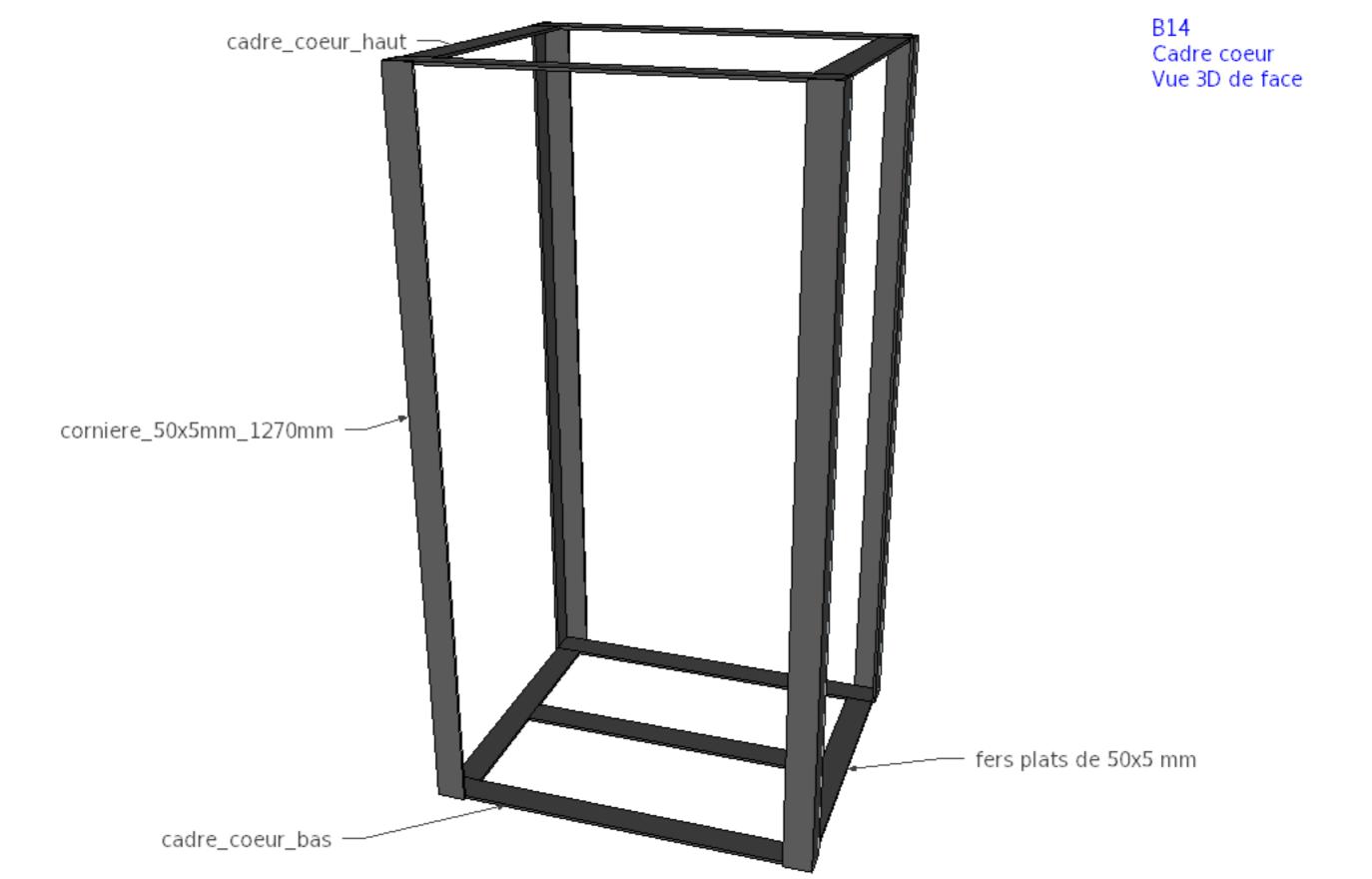


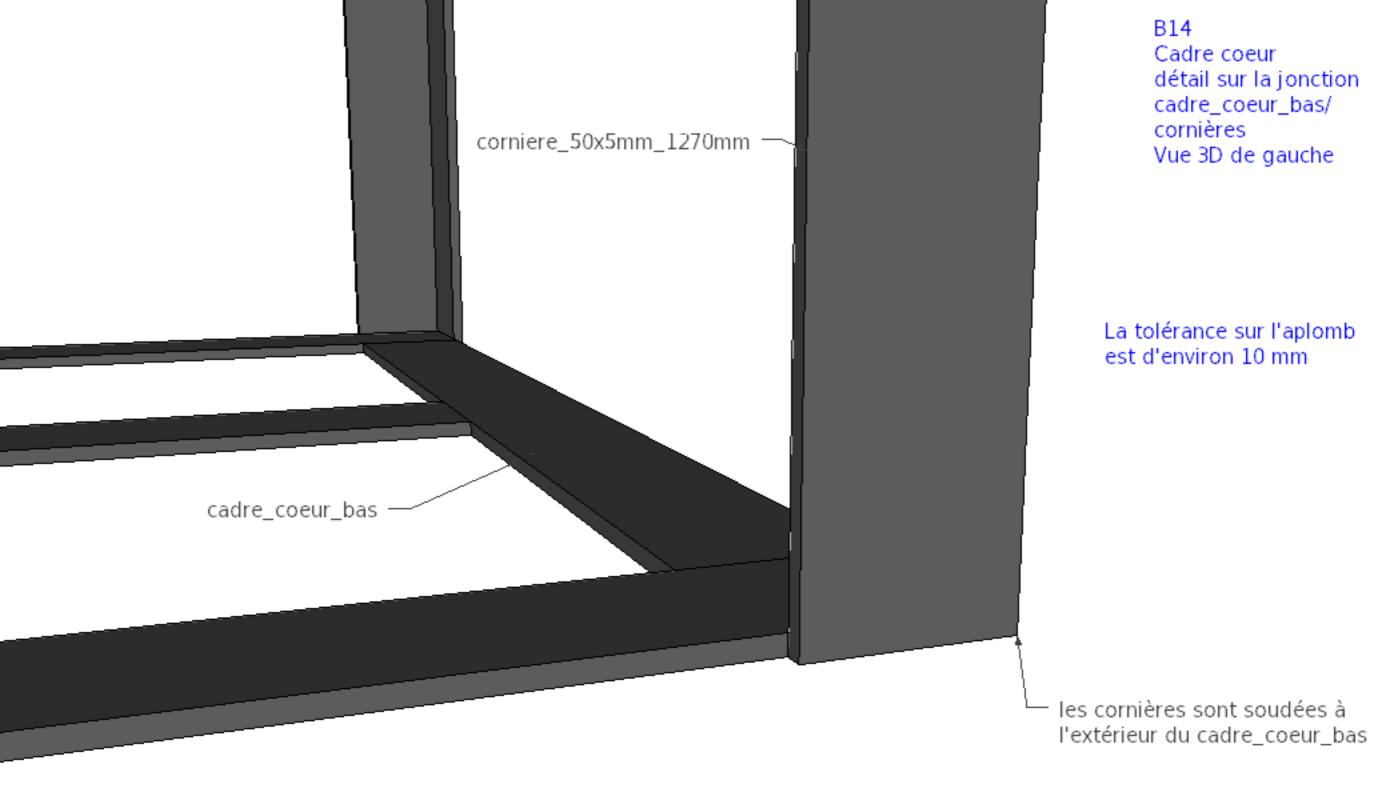
MÉTALLERIE



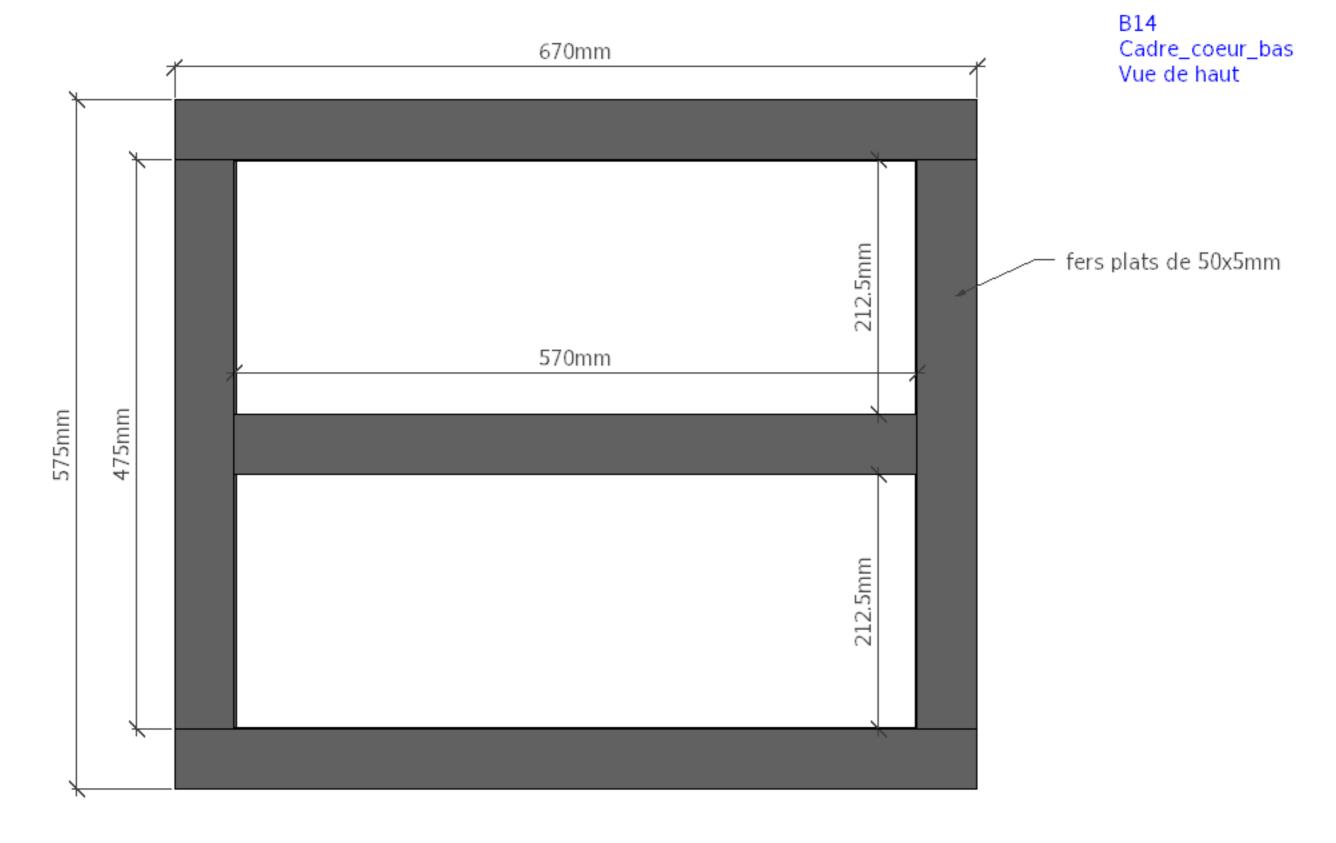
B14 Cobra Vue de gauche

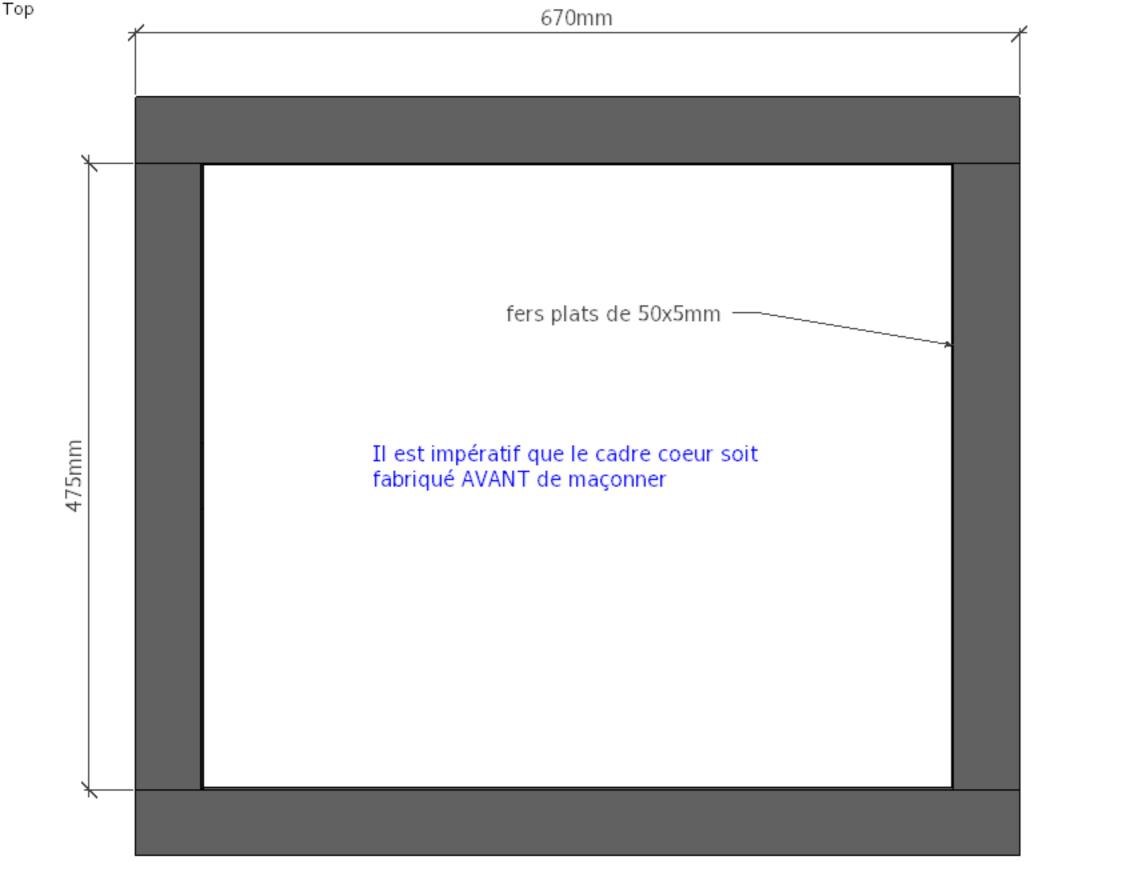






Faire d'abord les cadre_coeur_bas et cadre_coeur_haut et ensuite assembler le tout Les équerres magnétiques sont très utiles ici



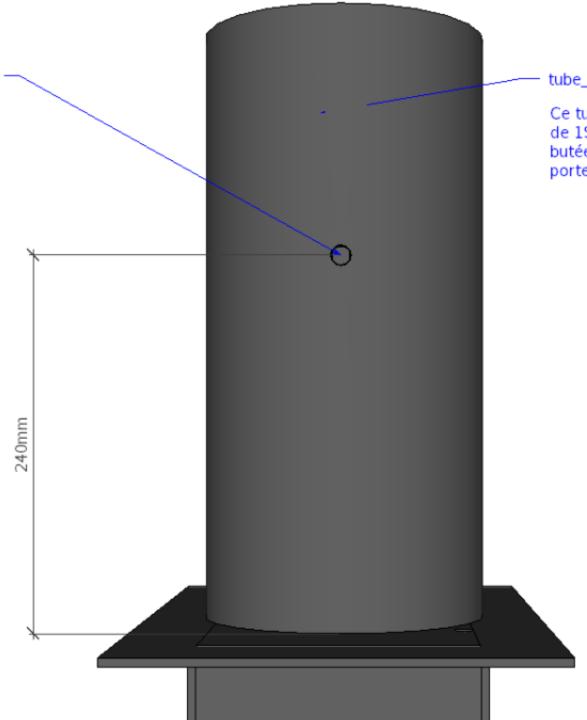


B14 Cadre_coeur_haut Vue de haut

trou de 12 mm agrandi à la lime -

Il n'y a qu'un seul trou pour le clapet d'obstruction

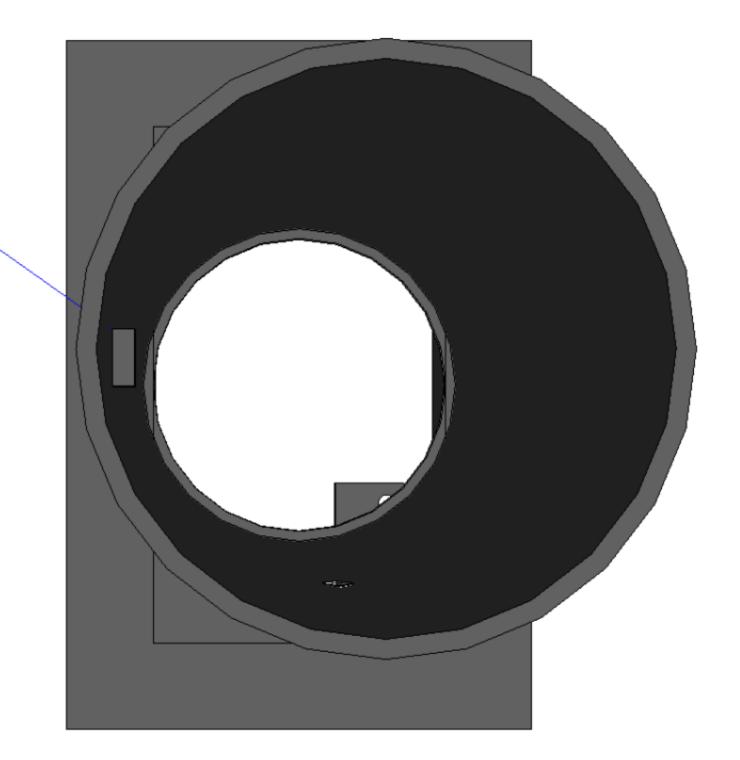
Le trou doit être percé le long de la ligne de soudure du tube

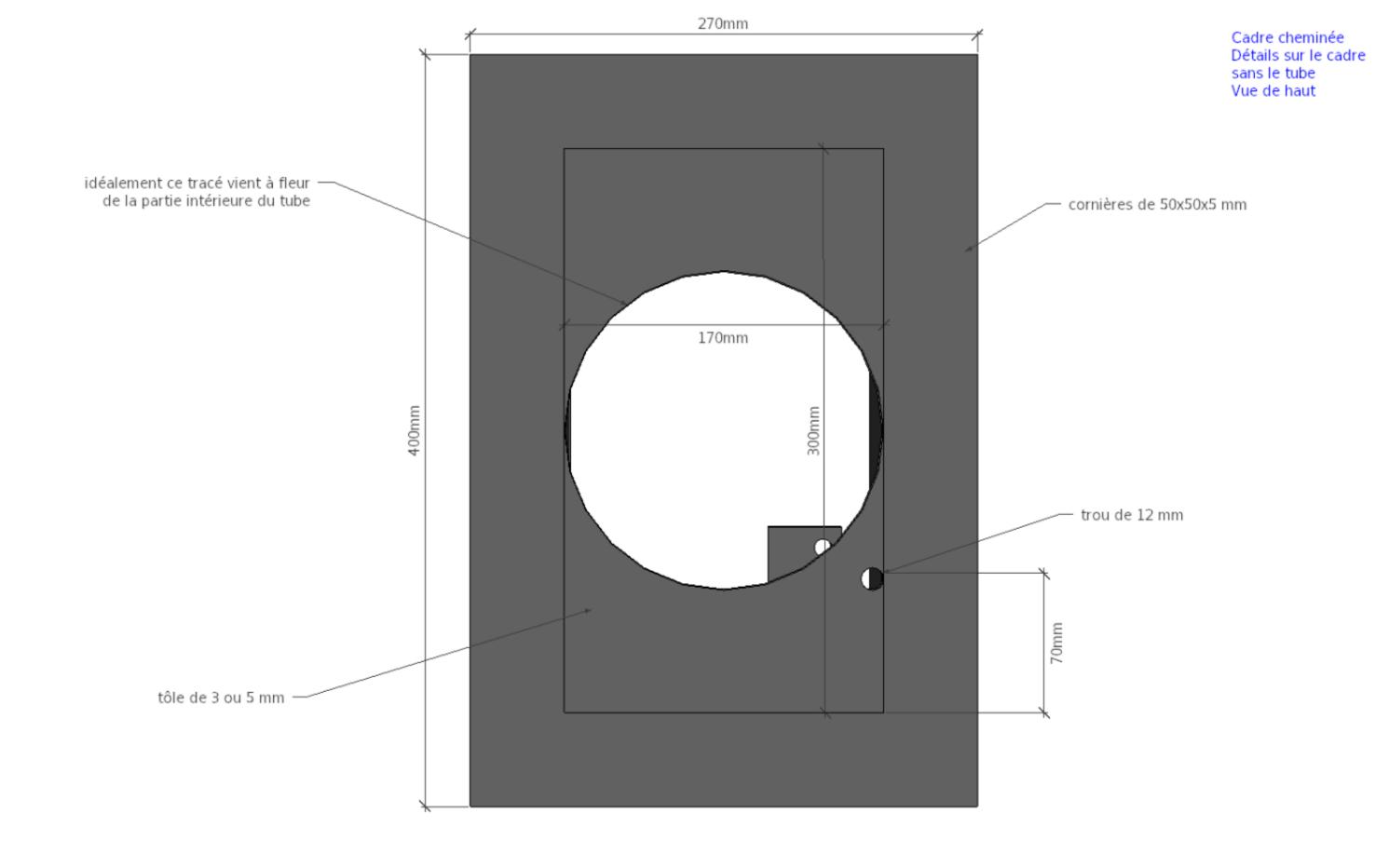


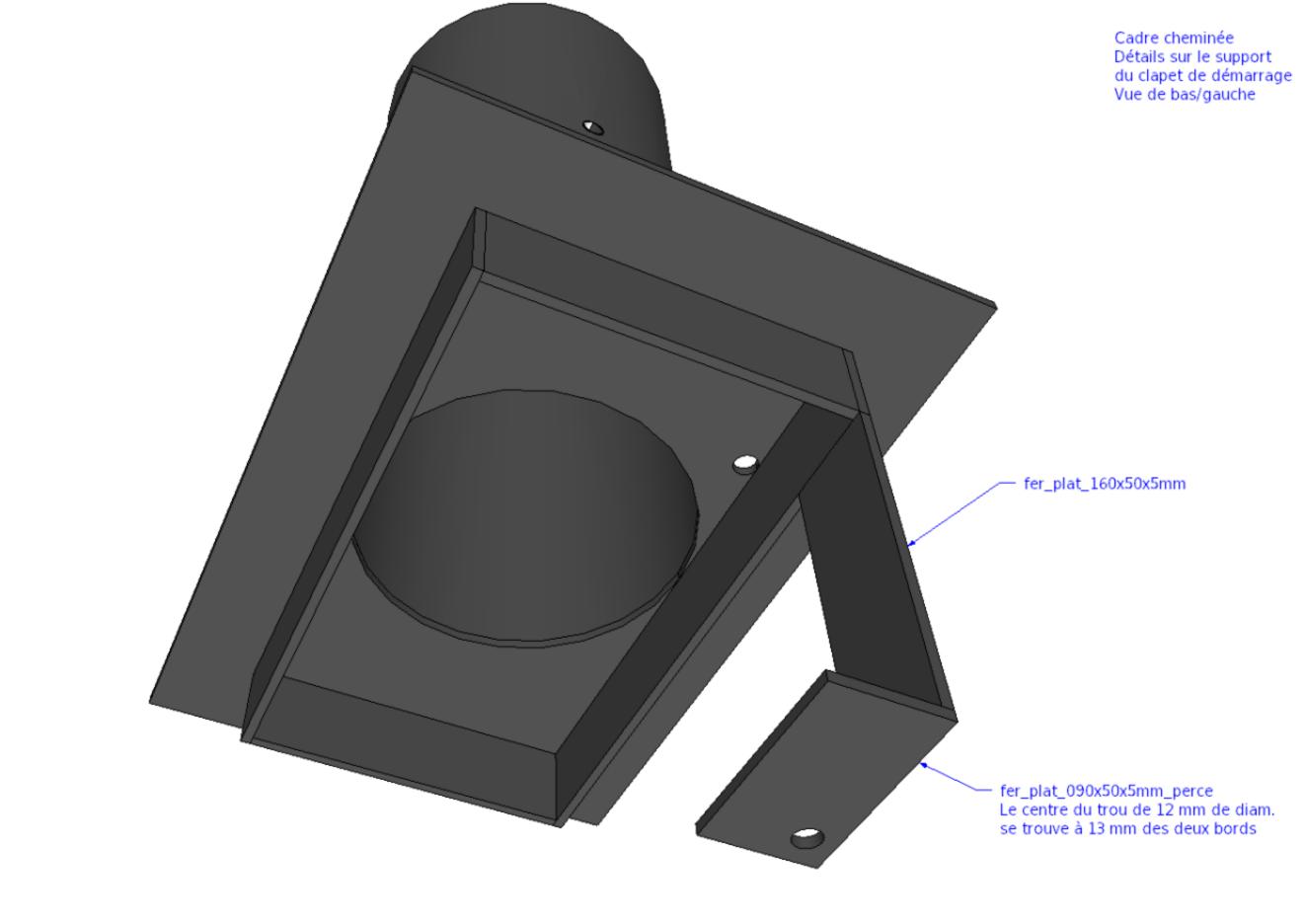
tube_193.7x6.3x400mm (181.1 int)

Ce tube est difficile à trouver. On trouve généralement du tube de 193.7x4 mm (185.7 mm int.) et dans ce cas il faut souder une butée à l'intérieur du tube et faire l'étanchéité avec du joint de porte plat de 10x2 mm Butée fer_carre_8mmx20mm Soudée à 60 mm du bord haut du tube

La butée n'est nécessaire que pour le tube de 193.7x4 mm. Pour le tube de 193,7x6.3 mm, l'emboitement est parfait.

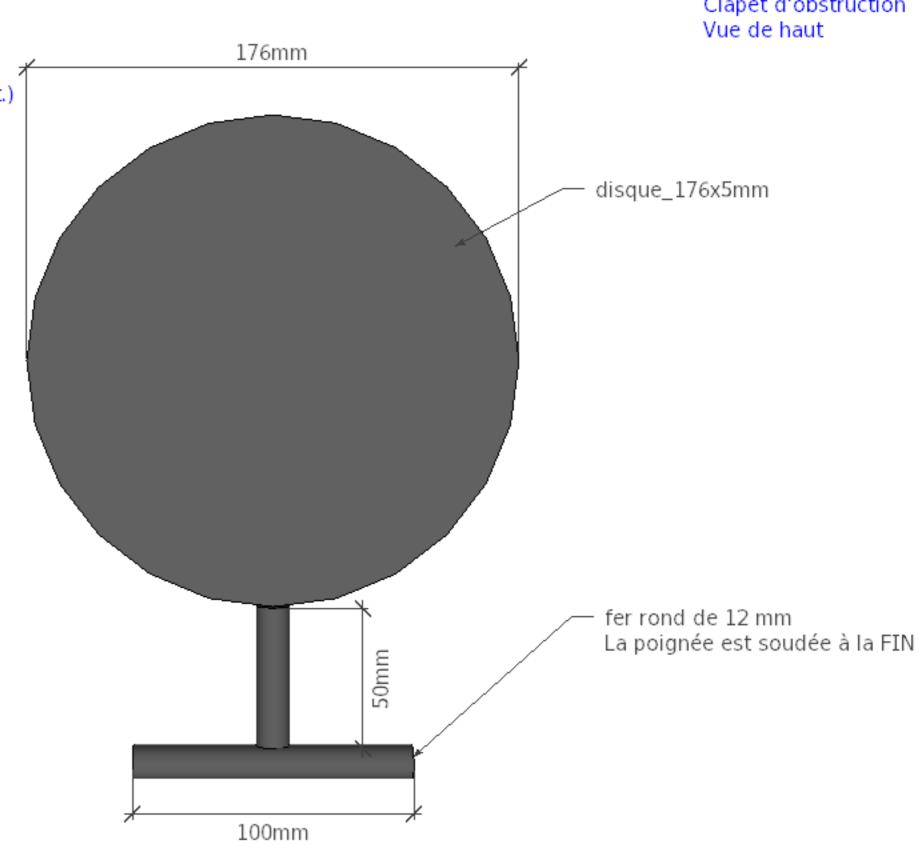


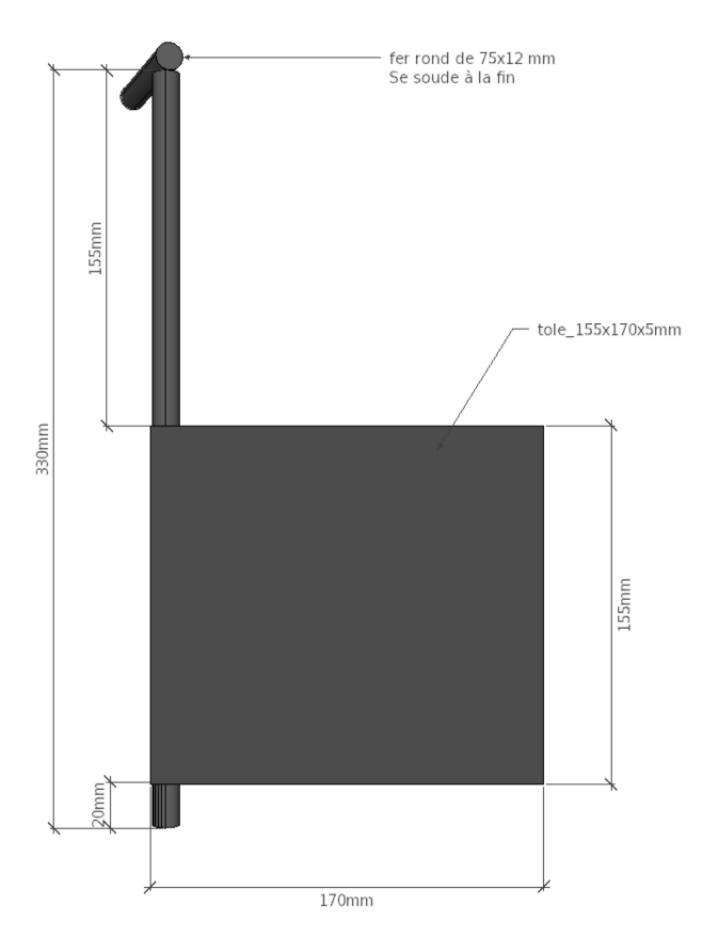


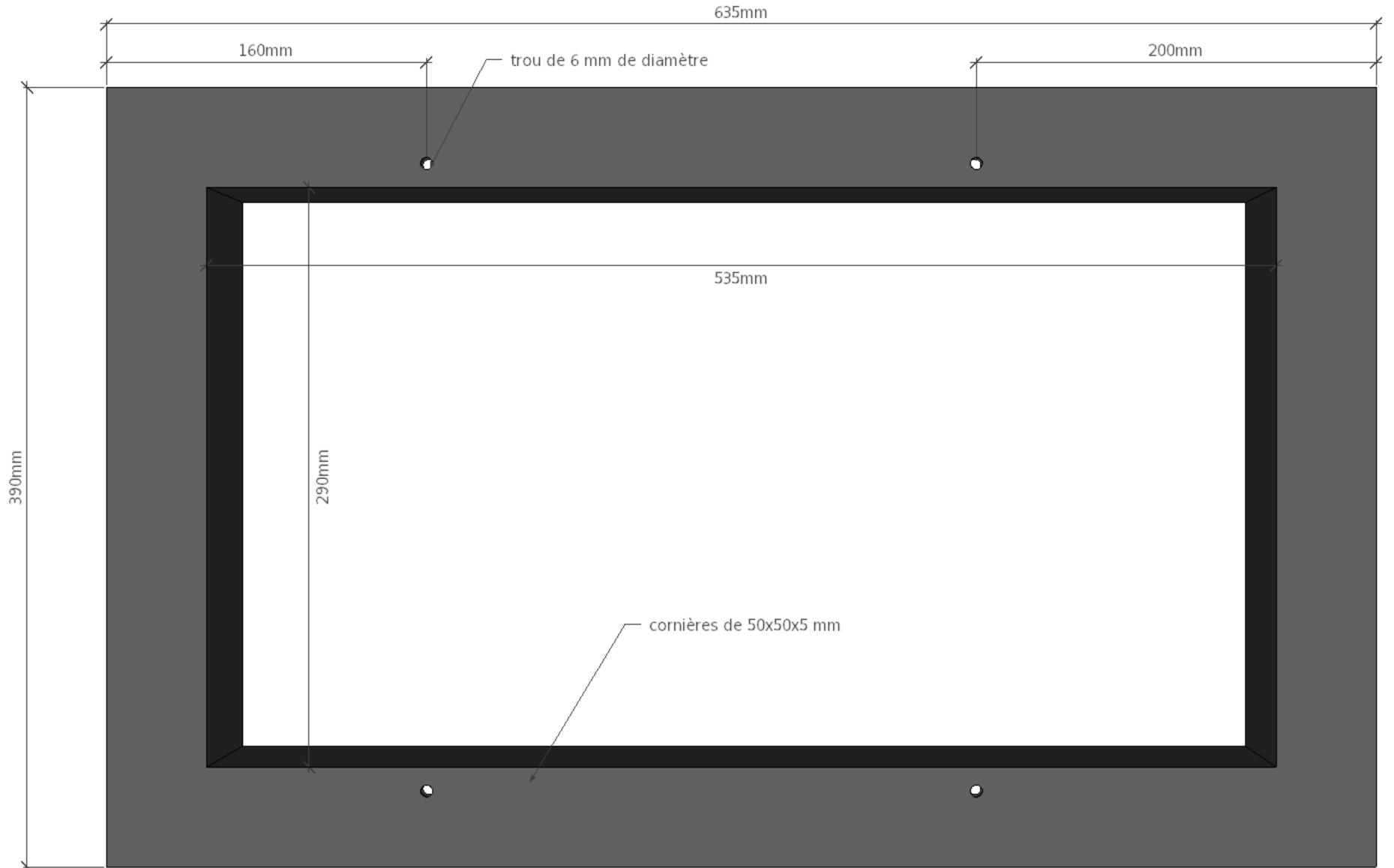


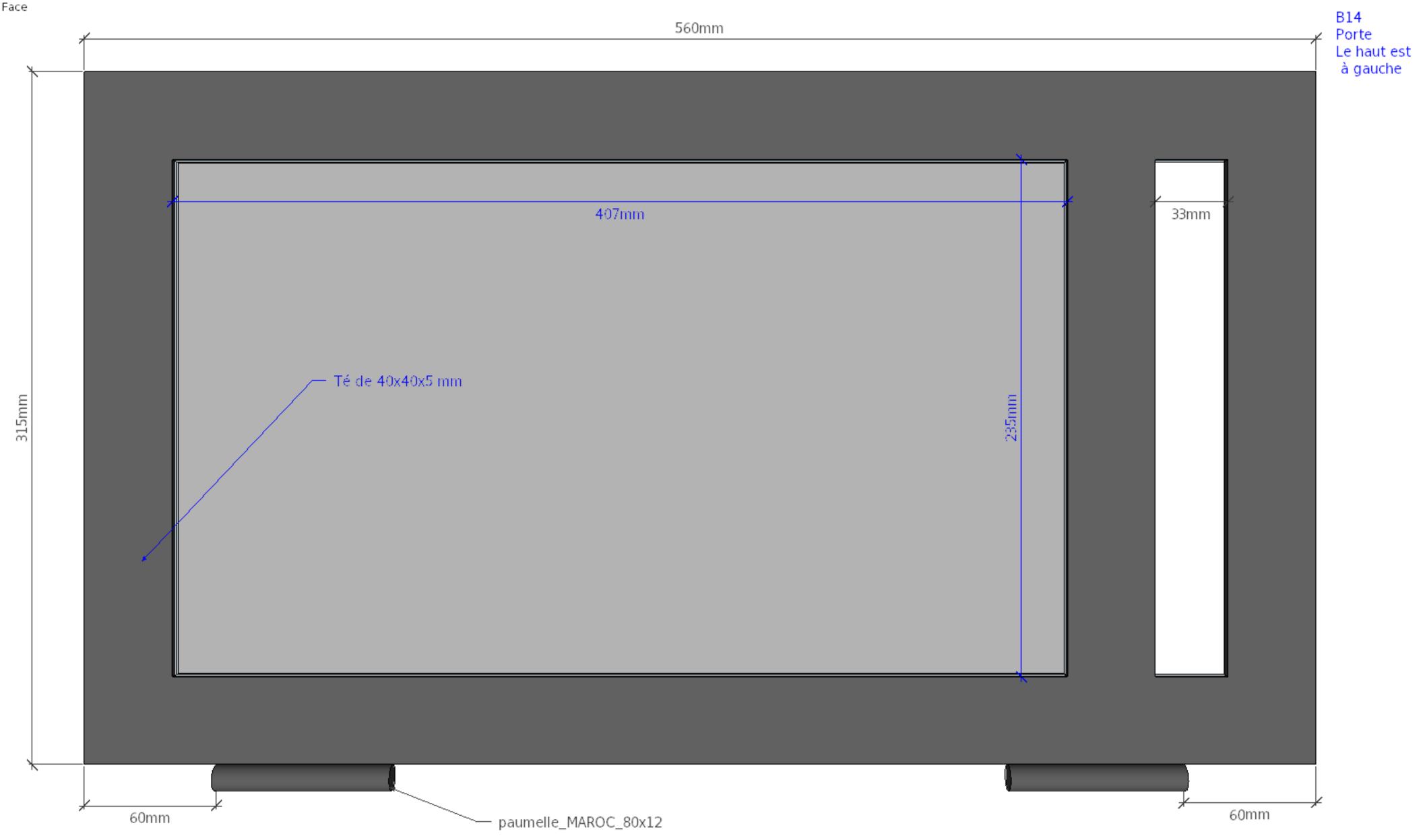
La surface de ce disque mesure 5% de moins que la section interne du tube de 193,7x6,3 mm (181,1 mm int.)

Pour un tube de 193,7x4 mm (185,7 mm int.), le diamètre idéal de ce disque serait de 180 mm

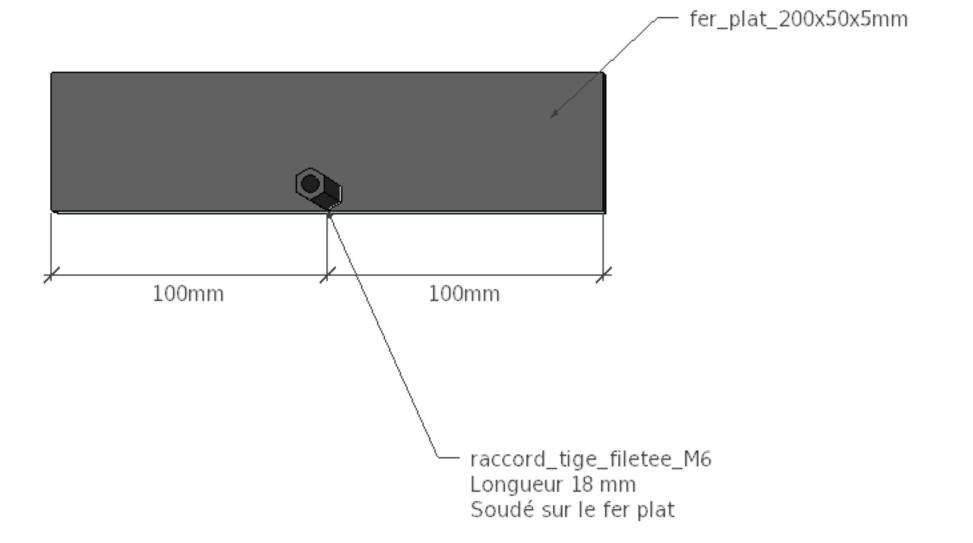


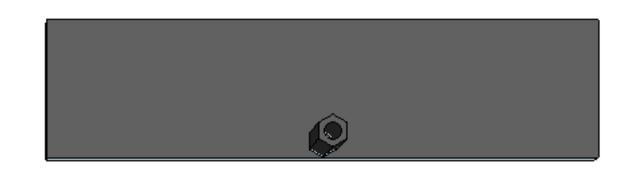




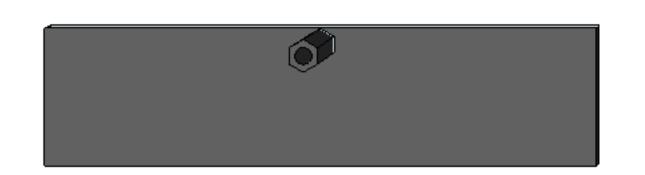


B14 Porte Le haut est à droite

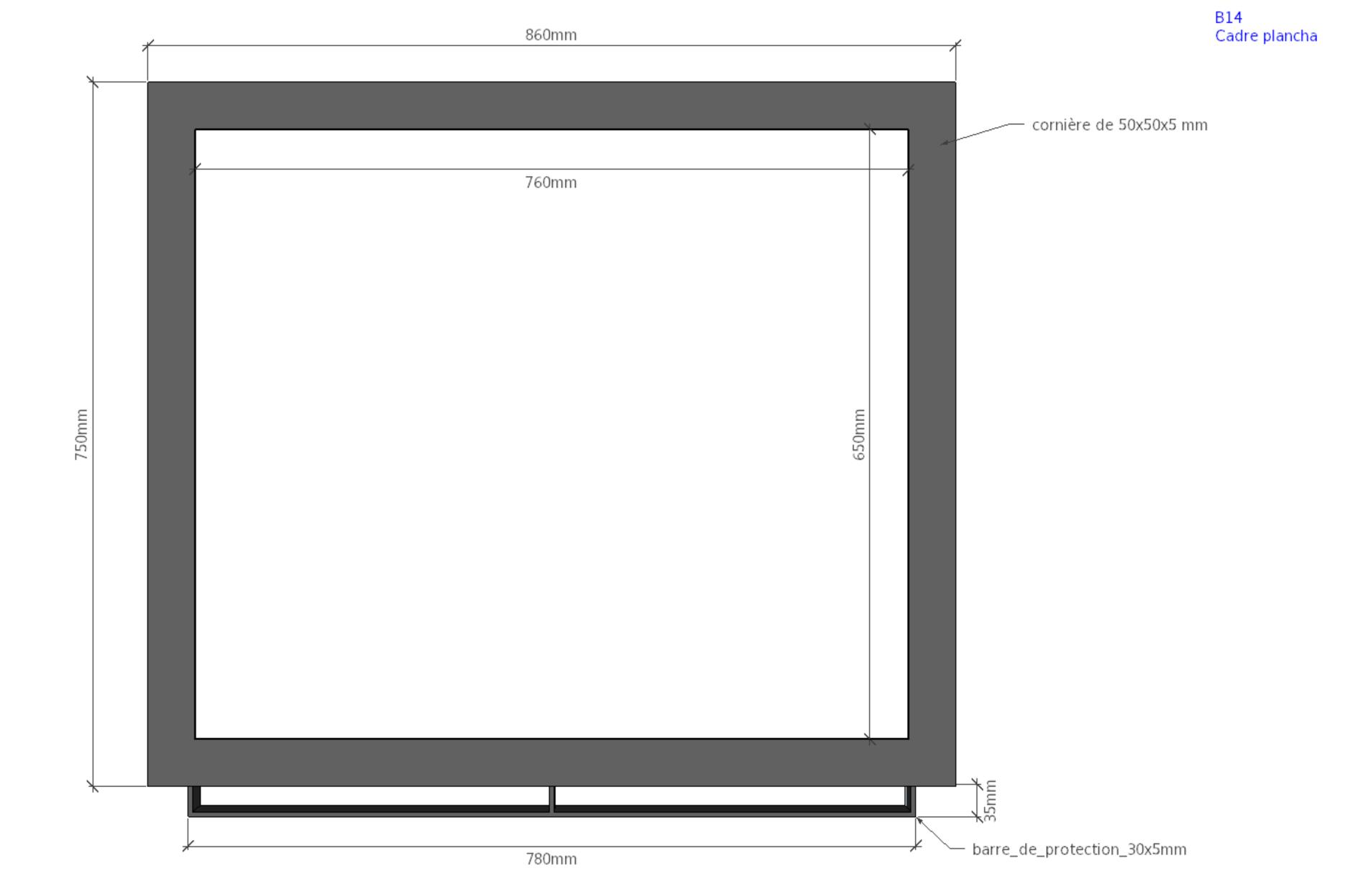




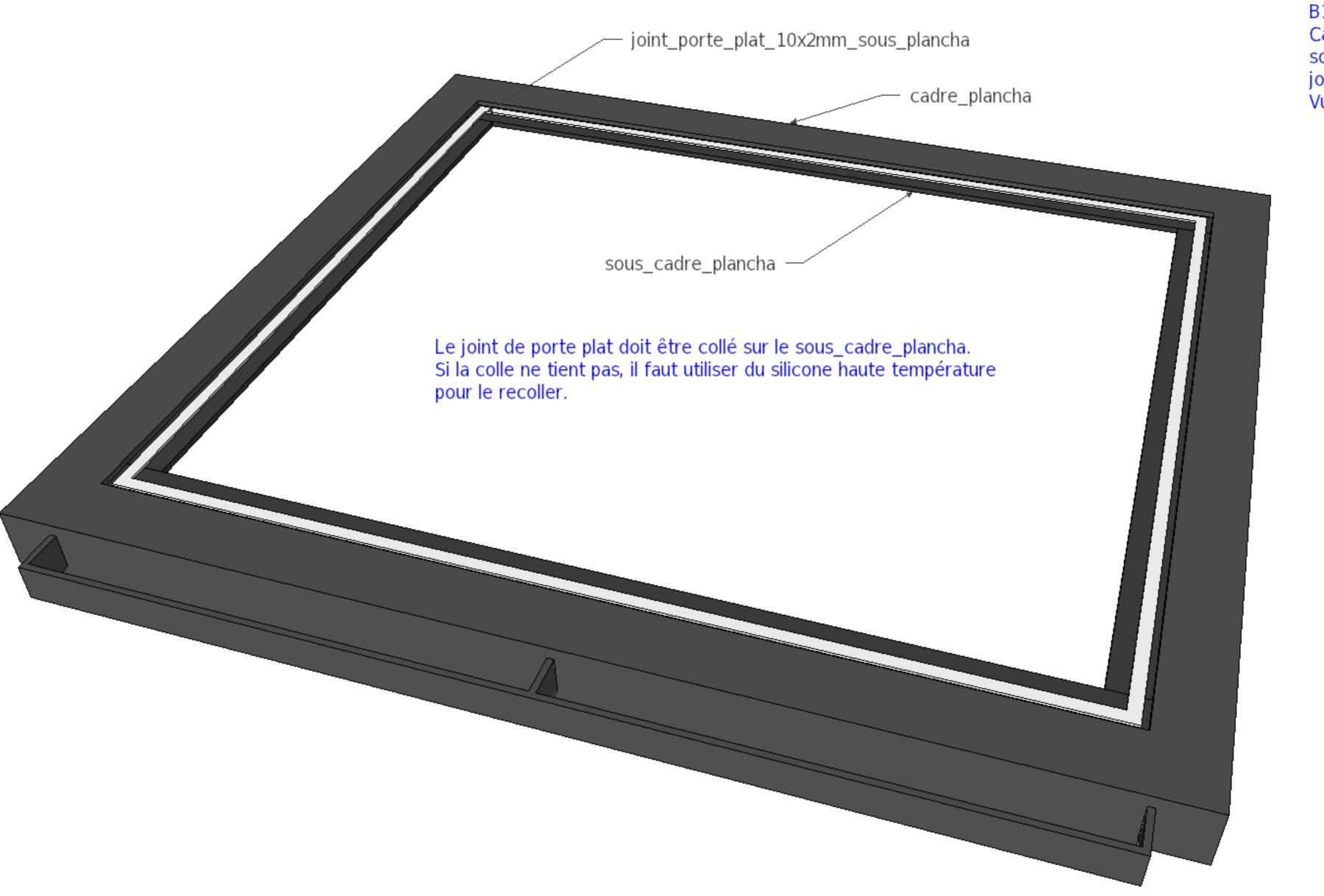
Les 4 fixations sont identiques. Le cadre est vissé avec des vis M6 à tête fraisée de 70 mm de long. Les fixations sont placées entre les deux peaux pour que le cadre soit maintenu par COMPRESSION.



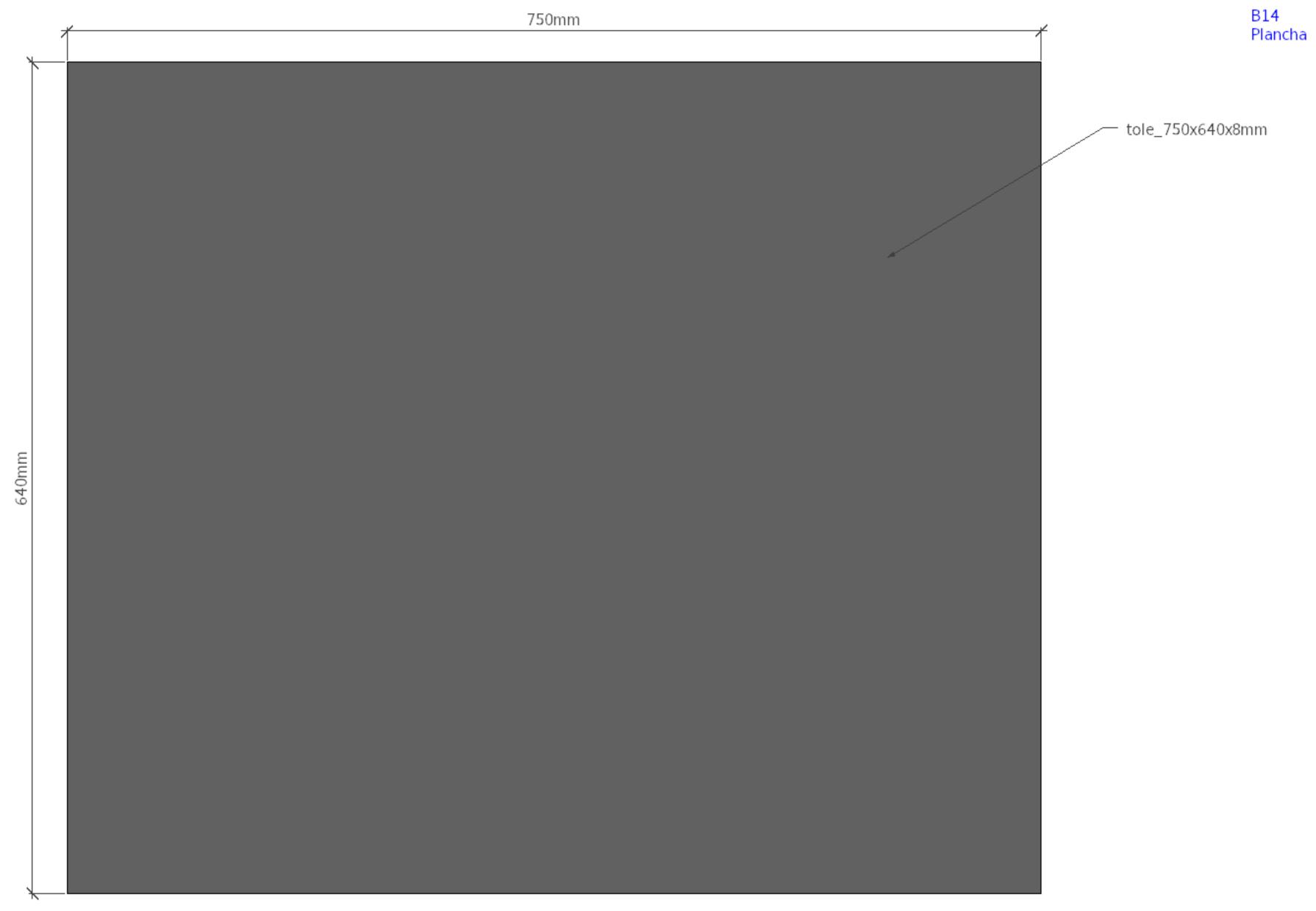




B14 Support plancha



B14
Cadre_plancha,
sous_cadre_plancha,
joint_sous_plancha
Vue 3D de droite/face



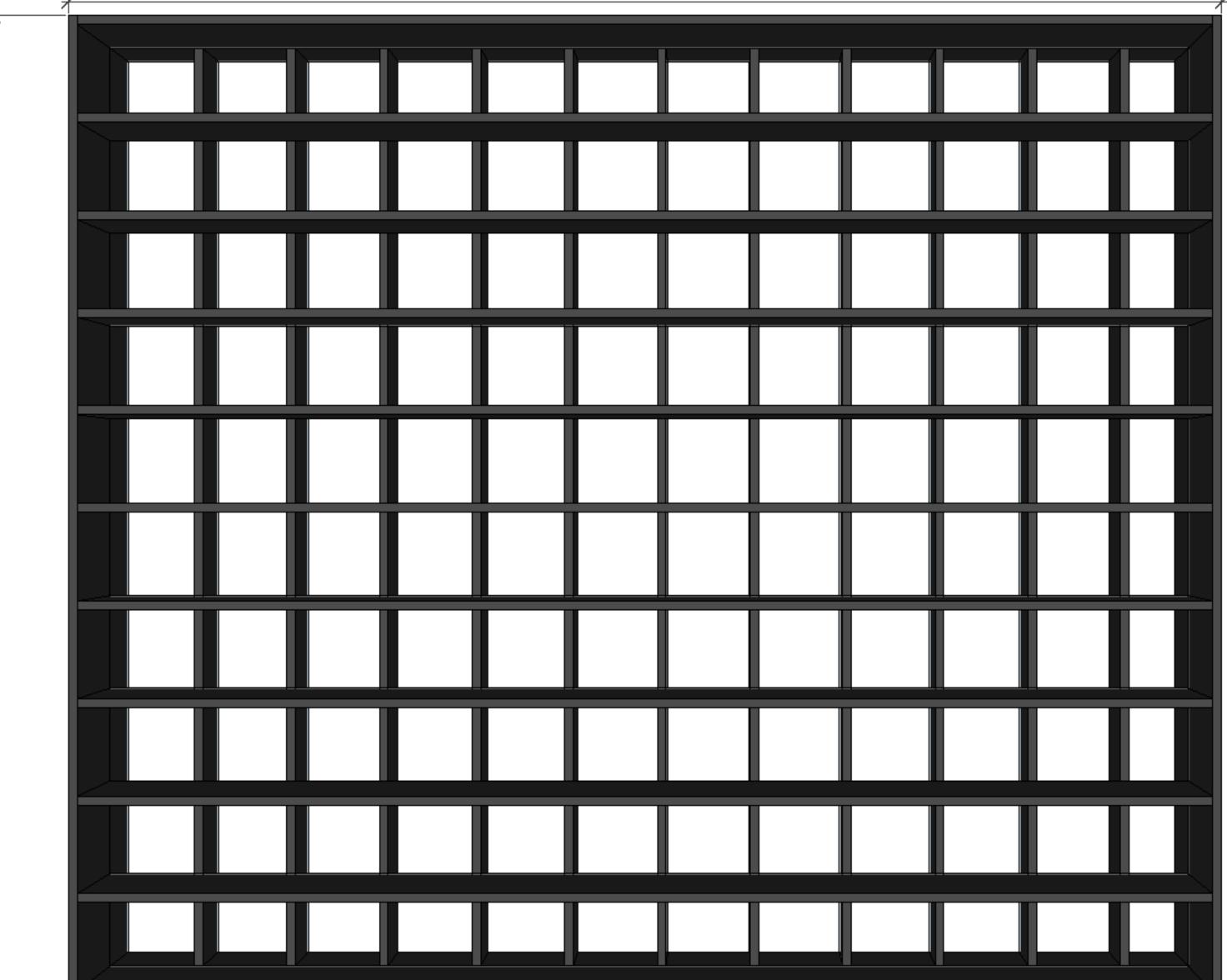
Dessus



555mm

650mm

B14 Caillebotis inférieur et supérieur



Les caillebotis sont soudés ensemble, puis sont soudés sur la plancha

B14 Caillebotis inférieur et supérieur Soudés sous la plancha

