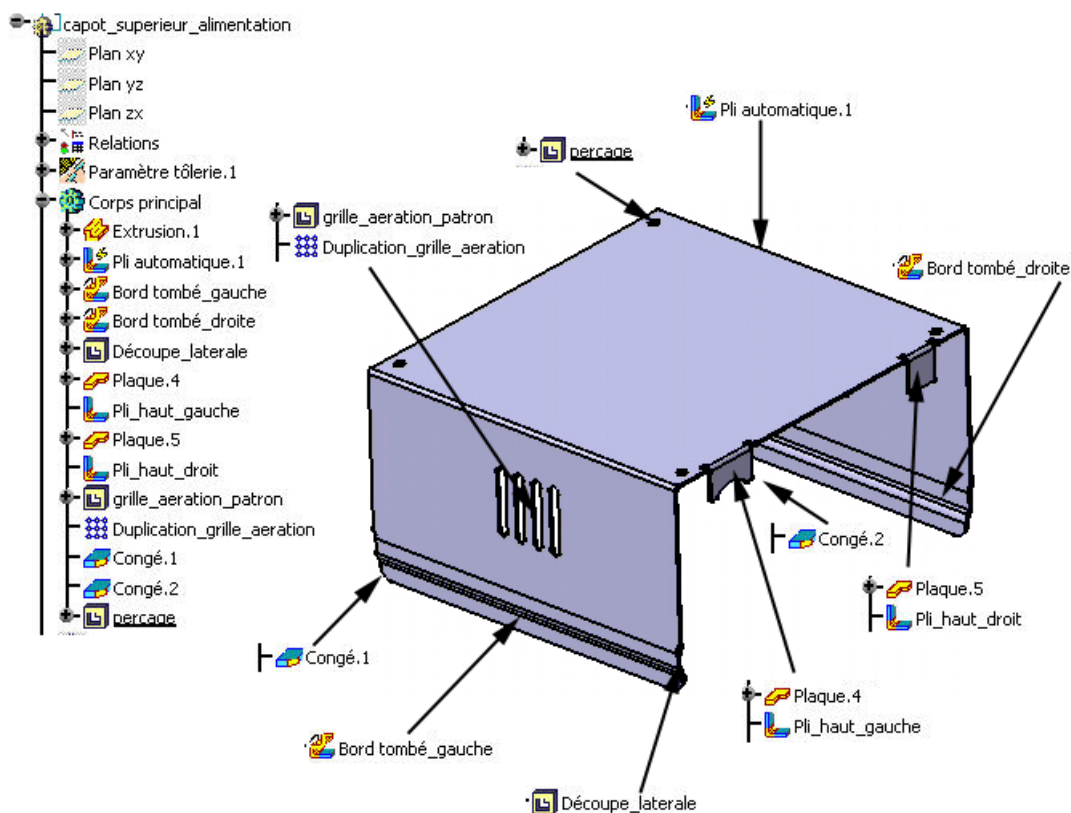


TP5 COMPUTER CASE UPPER COVER POWER SUPPLY UNIT



Open a new assembly Name the "220V_supply_box" Check that the following options are checked.

Insert the "power box base" into the assembly

Insert a new part

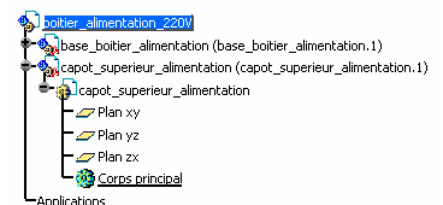
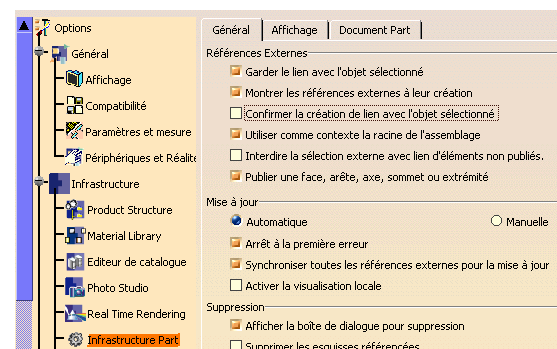
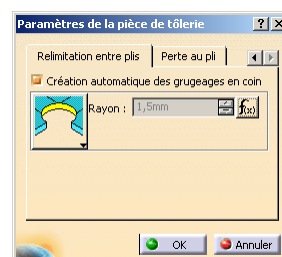
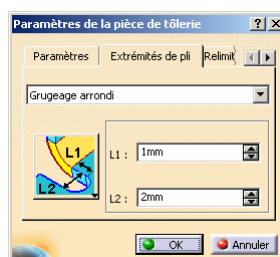
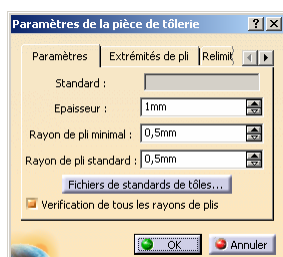
Name the "power_supply_top_cover" Click on Non to take the same origin as the assembly

Expand the construction tree

Double click on Corps principal of the "top_supply_cover"

Open sheet metal shop, Sheet Metal Design if the latter is not already open.

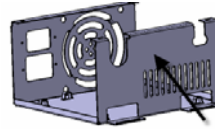
Click on the settings icon  and fill in the following fields:



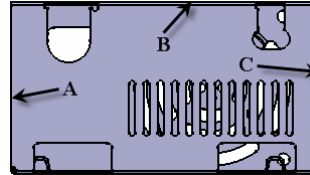
Realization of the support extrusion

Open a sketch on the face marked with the arrow

Hide them  Références externes



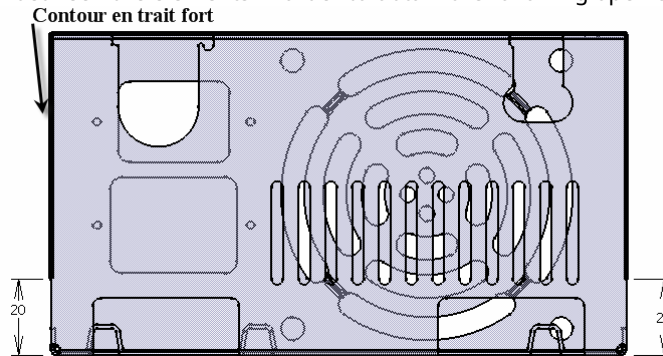
Make a 3D projection  edges A, B and C




Do a relimitation

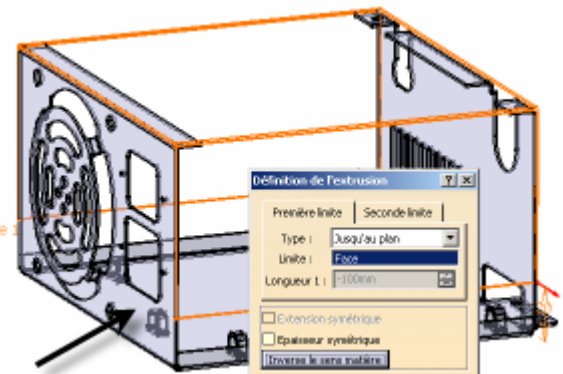


between the elements in order to obtain the following open contour:



Exit the sketch and click on the extrusion icon  Fill in an extrusion of the type up to the plane then click on the face marked by the arrow.

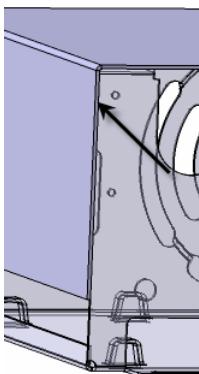
The direction of the material must be directed outward.



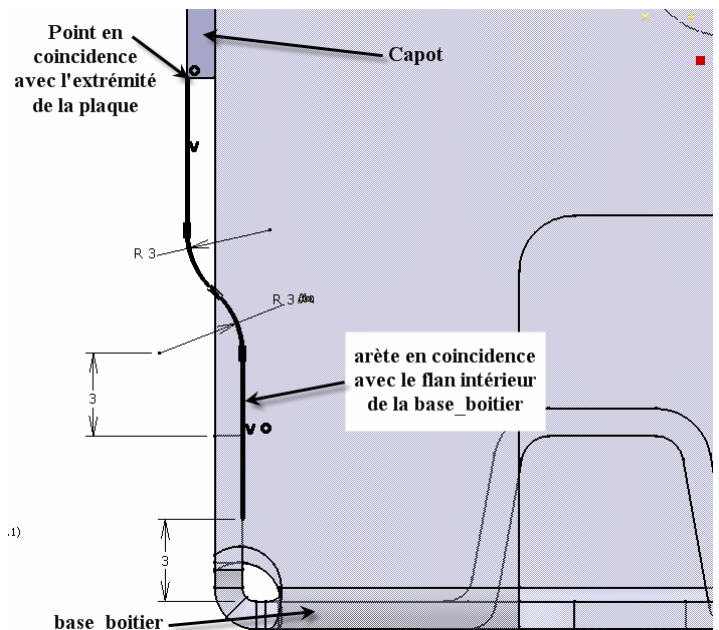
Automatically define folds 

Realization of the flanged edges

Open a sketch on the face marked with the arrow



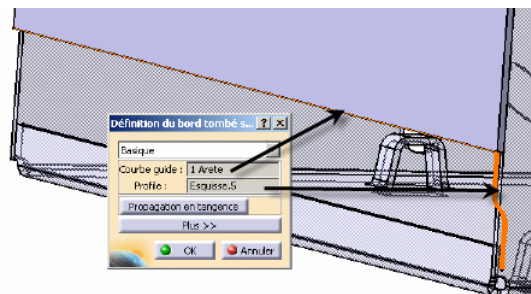
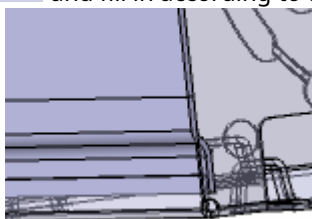
Make the following sketch which will serve as a profile:



Click the icon



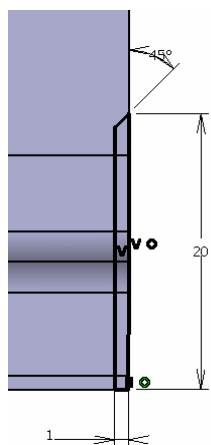
and fill in according to the drawing opposite



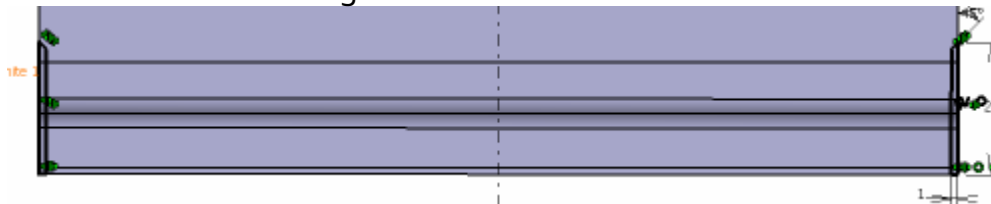
Name the fold "bord_tombe_gauche" Follow the same procedure for the other flange.

Making side cutouts

Based on the following sketch make a cutout on one of the side faces.



mirror 2D before exiting the sketch

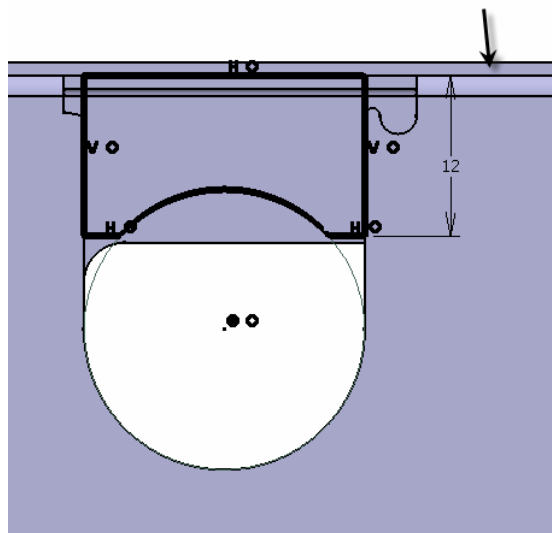


Fill in a cut of the type **until the last one**

Name the "side_cutout"

Making the legs.

Open a sketch on the face marked with an arrow.

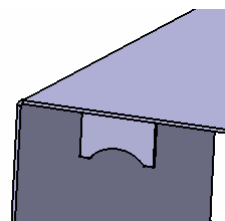


all the edges must be in coincidence with the base_box or with the cover, only the dimensional constraint of 12 must be used.

Turn this sketch into a plate



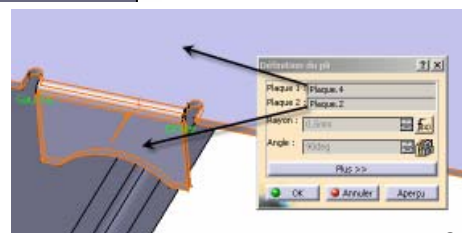
Attention, in the direction of the material (towards the inside of the cover)



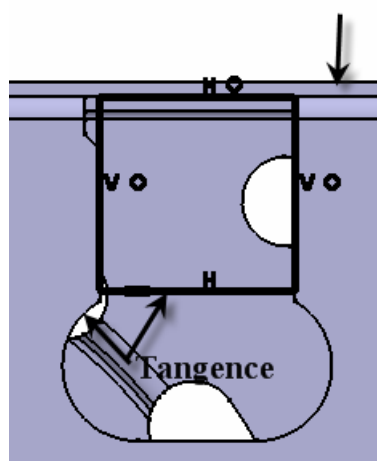
Create a fold



, name the "top_left_fold"



Open a sketch on the face marked with an arrow.

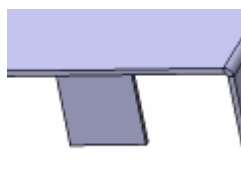


all the edges must be in coincidence with the base_box or with the cover.

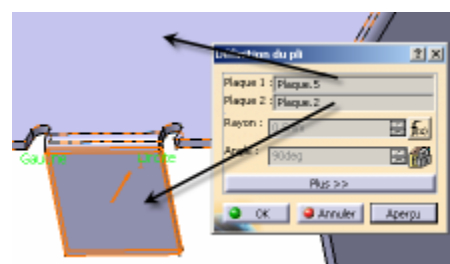
Turn this sketch into a plate



Attention, in the direction of the material (towards the inside of the cover)



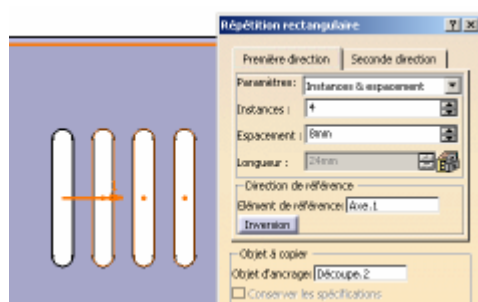
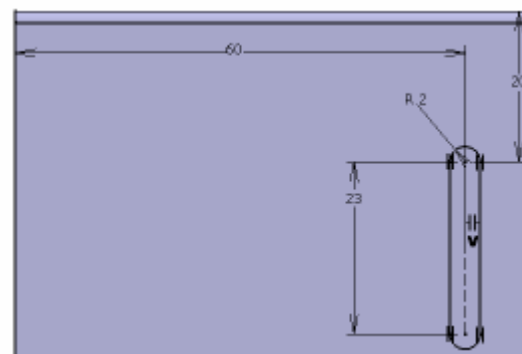
Create a fold , name the "top_right_fold"



Construction of the ventilation grille

Create a boss oblong on one of the side plates. It will be called "Grille_aeration_patron".

Duplicate 4 instances (parton included). We will name the entity "Duplication_grid_aeration".



Realization of leave

Define edge fillets

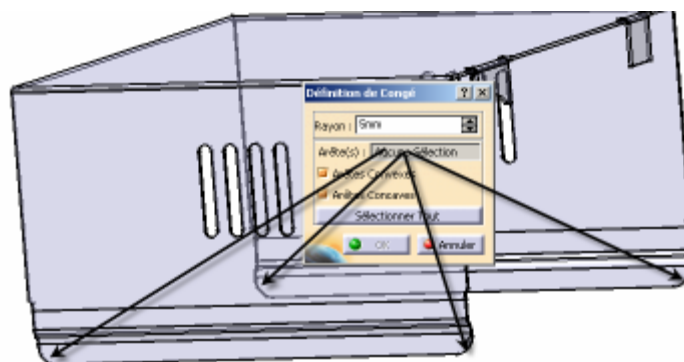


Define edge fillets



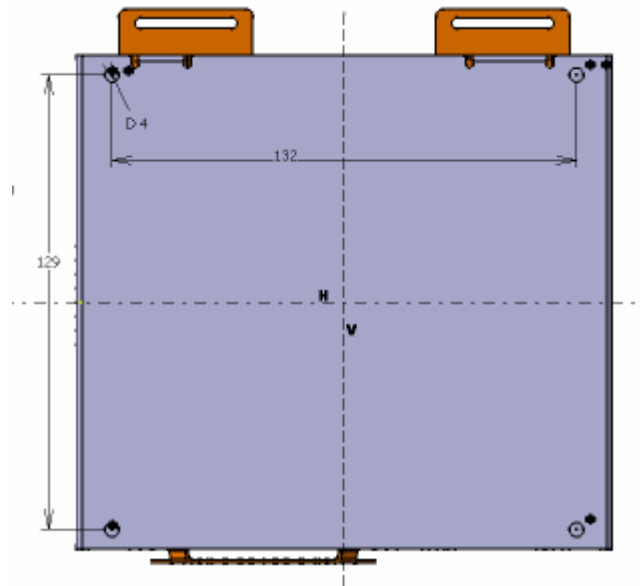
click on

Sélectionner Tout



Making the holes

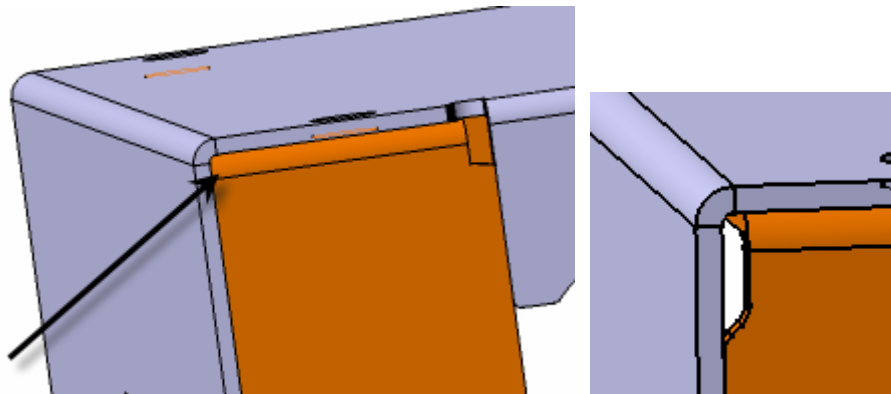
cut out the 4 holes using the following sketch:



Modification of the power supply base

Using the previous step, add: the 4 mounting holes

A cutout to avoid collision in the corner



Edge fillets to finish the part.

