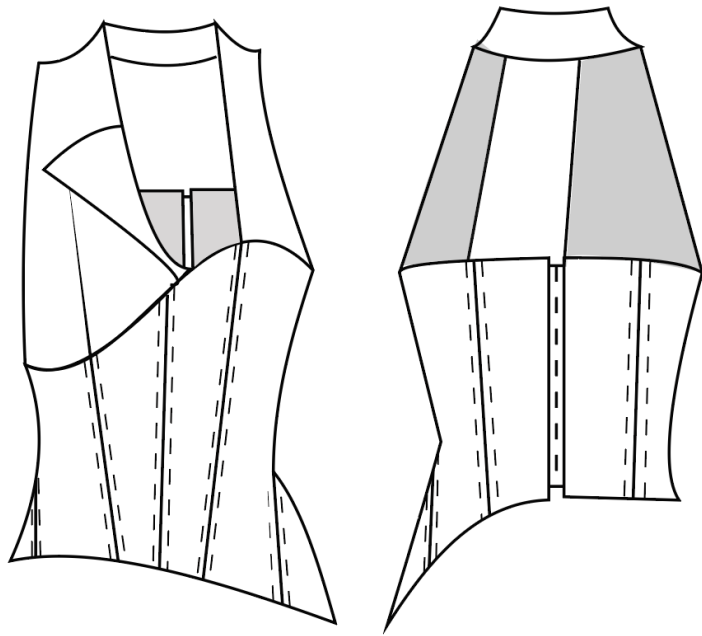
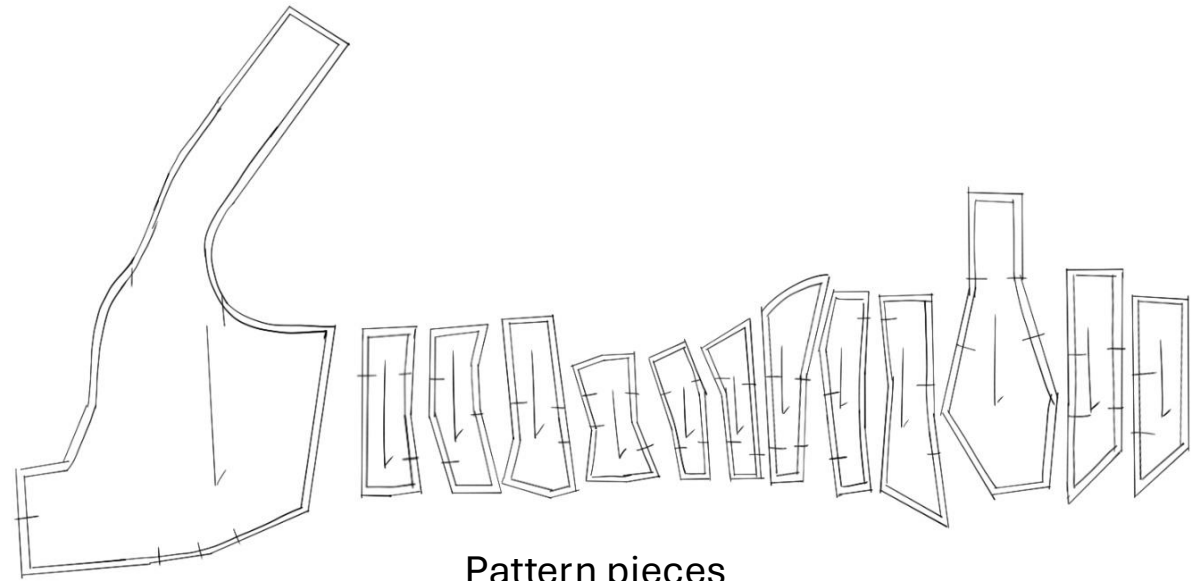


Corset with lapel in Lectra:



Technical drawing

Toile

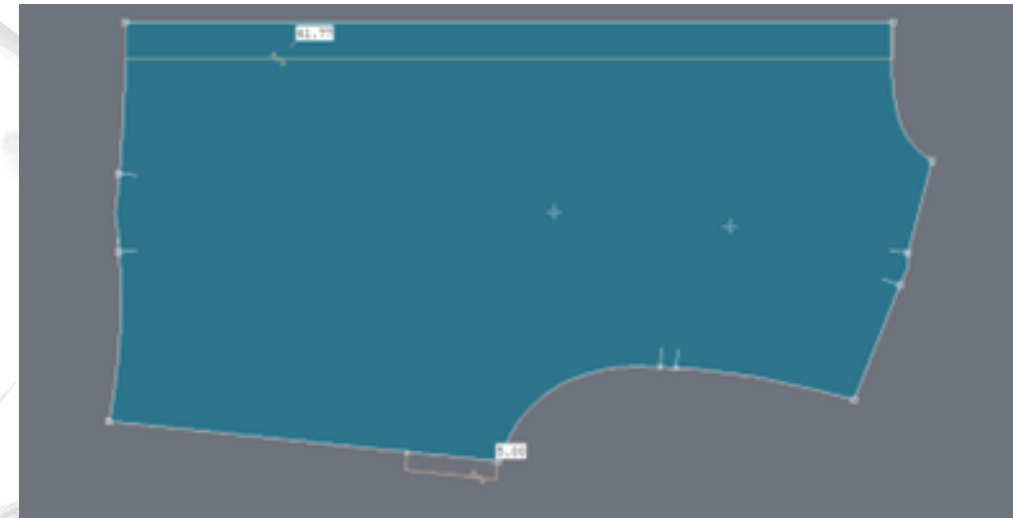
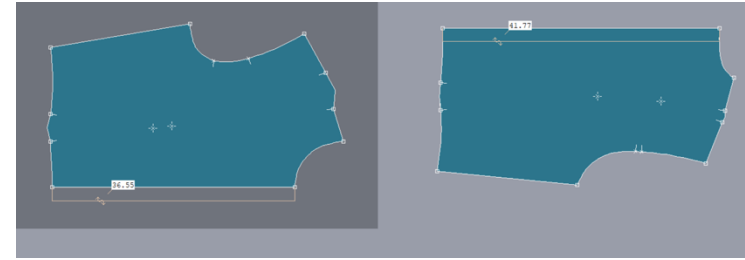
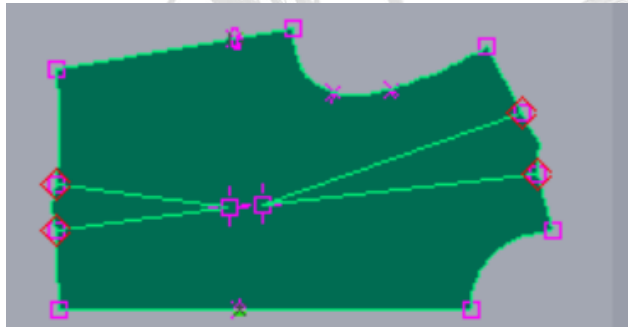


Pattern pieces

I opened the basic bodice block on Lectra and deleted the sleeve sheet as my design doesn't require it. Then I mirrored the front piece as there is no seam that goes down the middle of the front.

To start off my corset, the first thing I did was measure the back and front as I need to remove the necklines.

- To do this, I went to F8, then LENGTH MEASUREMENT.



Then I pressed from one corner to another, pressing the spacebar if my measurement wasn't going the correct way

I then wanted to mirror the corset,

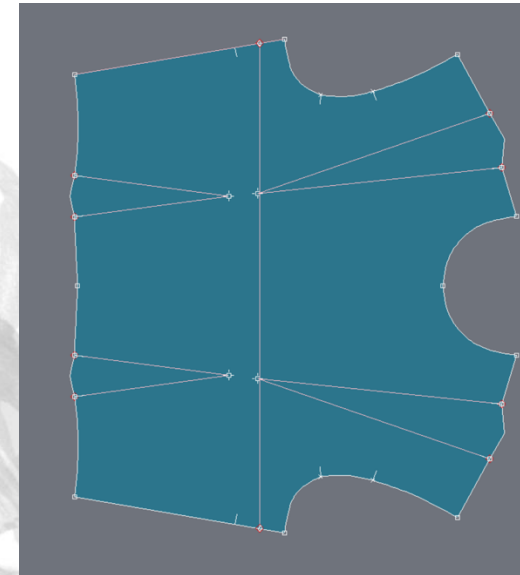
To do this:

First select your piece using right click, this will assure that your darts copy as well.

click F5, then SYM 2 PTS, and press the *turn back corner*. – when the box comes up untick the mirror piece tab which means the piece will be different.

Hold shift and then left click, right click and the image will mirror.

I used the drill hole on the top dart to roughly mark where the bust point is, and I went F1, STRAIGHT to create a line marking the bust point so that it's easier to see.

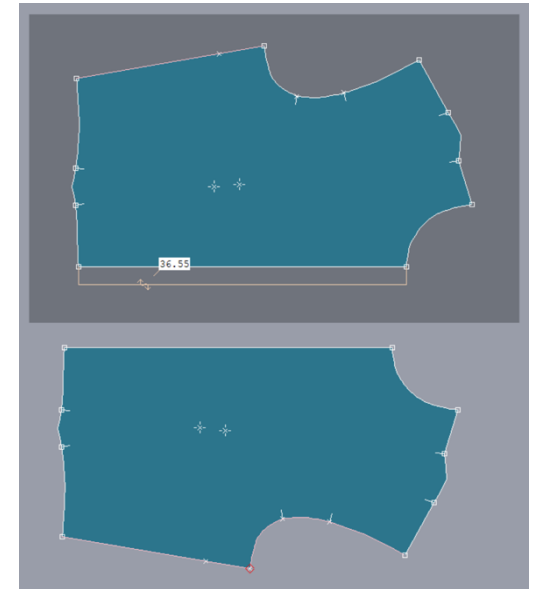


Next step:

I decided to mark the points on the front as I did on the back as to not lose the original spot of what I'm considering my top hem.

I want to remove the red points so to do this I went, **F3, MERGE** and then I tried removing any other pins. This created a normal point.

I copied the point onto the other side, and notched these into place to mark the same point on both the front left and the front right.



Front left:

The first thing I wanted to achieve was the slanted piece that goes under the bustpoint.

To do this:

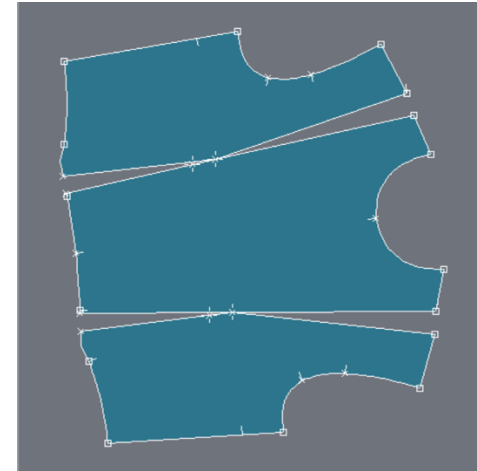
I used the first marked point as the guide for where I wanted the curved line to go. The original mark 5cm down from the armhole, is where I want my hem to reach, so I'm using both the centre front, the bust point and the seam to achieve this.

The first thing I did was make sure all my notches were in place and when I was sure of this, I then went ahead and closed my bottom dart but opened the top dart.

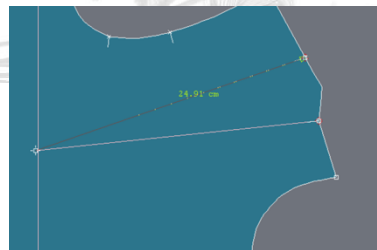
To open my dart

I went, **F5, ROTATING DART** then click every point within the dart and then where you want to rotate the dart.

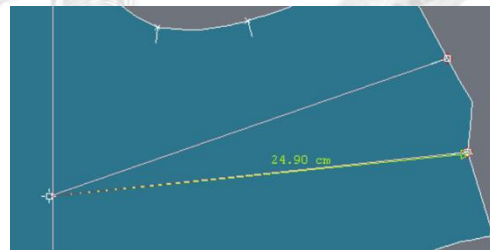
Click the percentage based on how much you want to rotate. 50%, 100% etc.



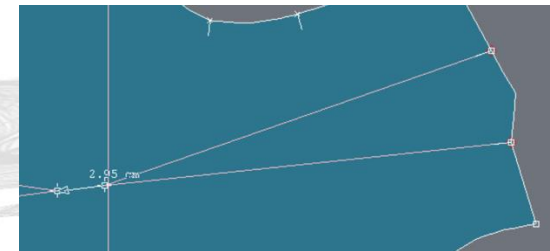
First pin



Second pin



Third pin



Fourth pin

I rotated my dart by 50% opening it on both sides

After opening my dart's, I then seamed off all three pieces to have three different pieces of the front without the darts.



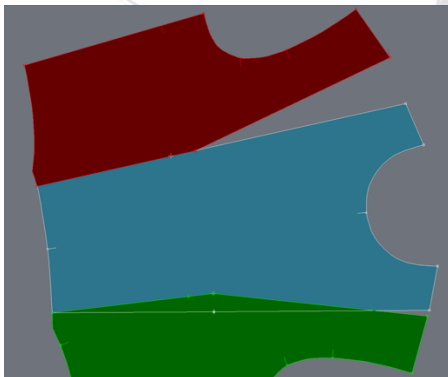
I changed the corner point from a **X** point to a **square** point by going **F3, SECTION** and then clicking the point.



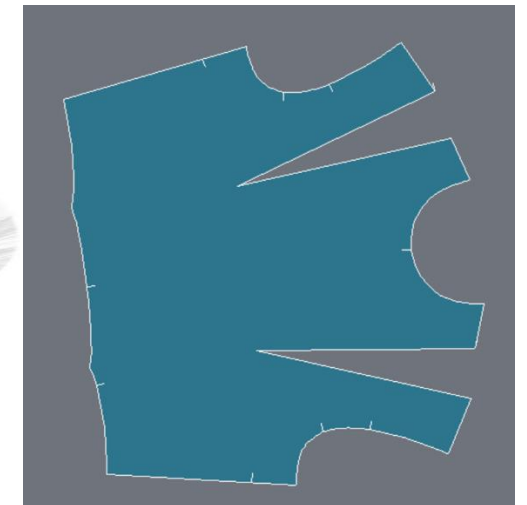
Then I went to **F8, MARRY** to make sure my lines connected properly.



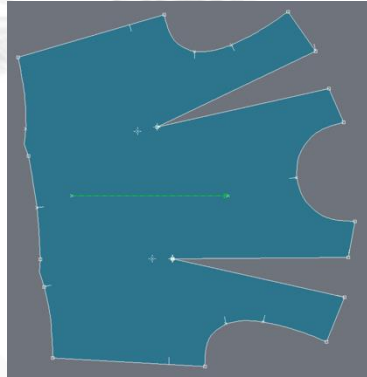
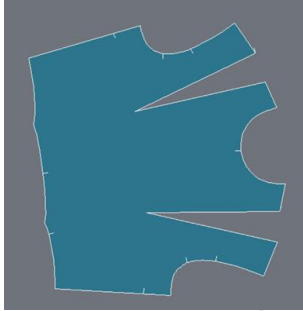
F8, WALKING PCS, to check the fit of the lines.



Seam this piece off completely.



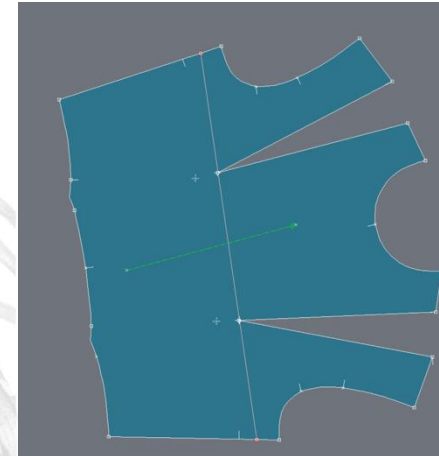
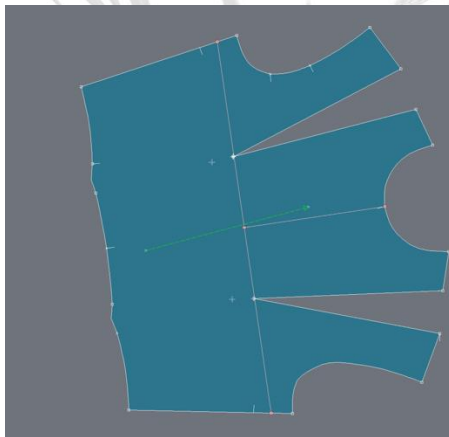
New piece.



From this piece, I remarked my bust point.

- First, I added a **grainline** by going F4, AXIS but clicking the **turnback corner** and then clicking **GRAINLINE AXIS**, then I added the bust point using F1, STRAIGHT

On the bust point line, I added a notch so that I know where the Centre front is.



This is how I decided to mark my front because the right front has a lapel, but I need to remove the front.

The next thing I did was create a **Bezier line** using **F1, BEZIER** because I want to edit the lines.

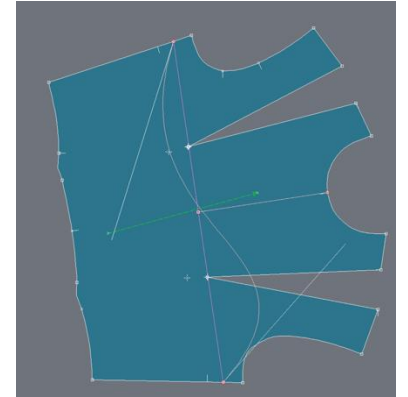
The line edit:

On the right, I want to curve the point under the bust point by roughly **4cm**, and on the right I want to raise the bustpoint by **4cm**.

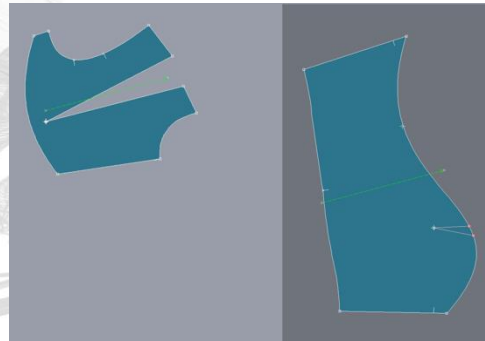
To do this:

I went **F1, BEZIER**, then I clicked on imprint at the bottom of the page, then **DISPLAY** and **HANDLES** then **F3, RESHAPE**.

Using the reshape tool, I moved the handles to create that curved bust point shape.



I seamed this shape using **F4, SEAM**.



For the top/lapel/collar panel:

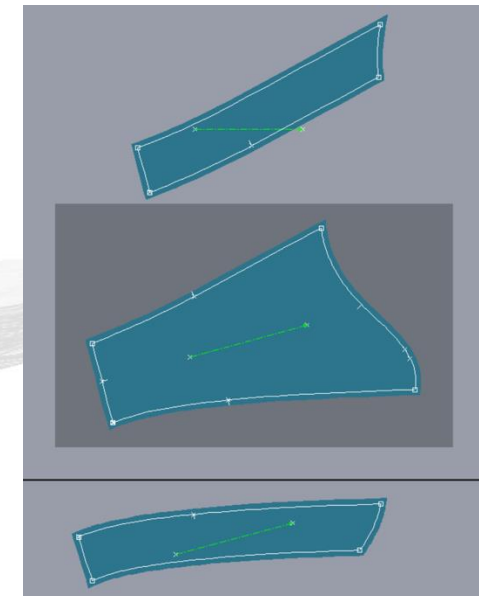
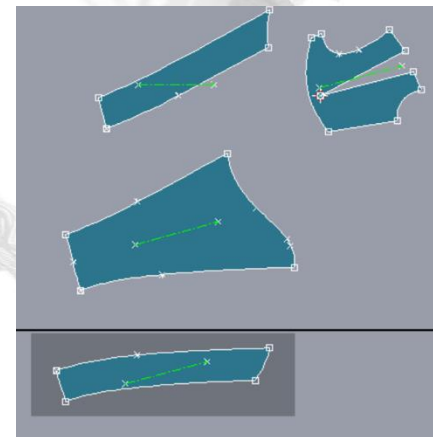
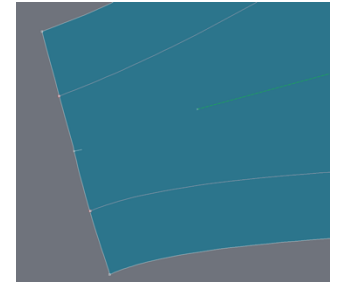
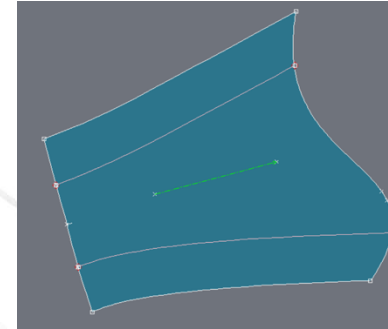
I want to rotate the dart so that I can open it as a pleat. To do this I first added a point opposite to the dart drill hole then I went, **F5, ROTATING DART** then click every point within the dart and then where you want to rotate the dart.

Inside boning lines:

The first thing I did was measure the number between the CF and the side panel and I added a point to this. The number was 7.65

I then went F1, PARALLEL and retraced the lines to match the new points.
- Add notches then SEAM the pieces off

Add seam allowance by selecting the whole piece, then going F4, LINE SEAM

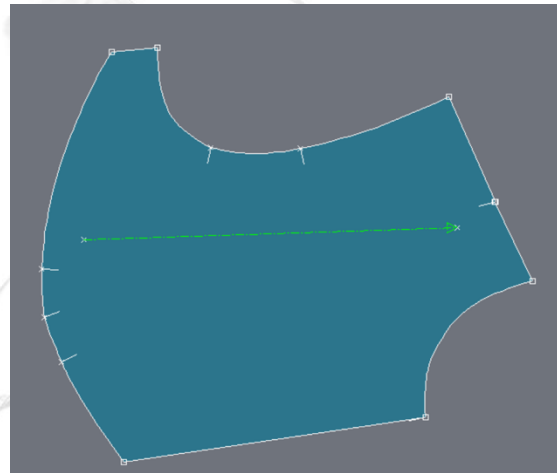


For the collar panel I want to open the dart towards the bottom because I want to open it like a pleat.

To do this the first thing I did was open the dart:

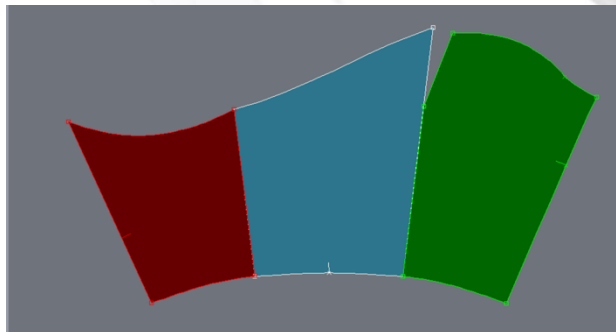
Before opening the dart, I added a point opposite the drill hole that will be my rotating point.

To open my dart I went, F5, ROTATING DART then click every point within the dart and then where you want to rotate the dart.

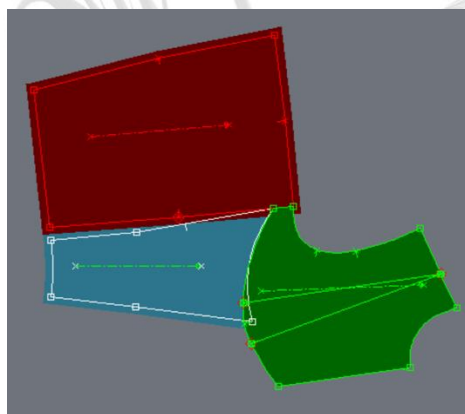
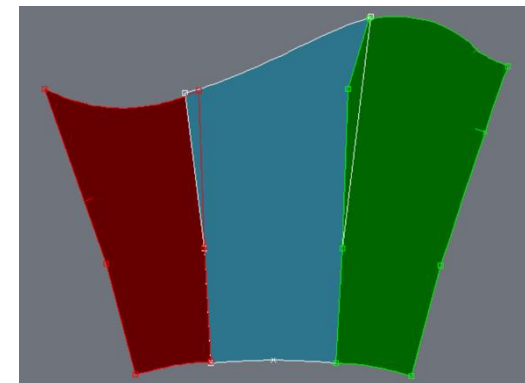
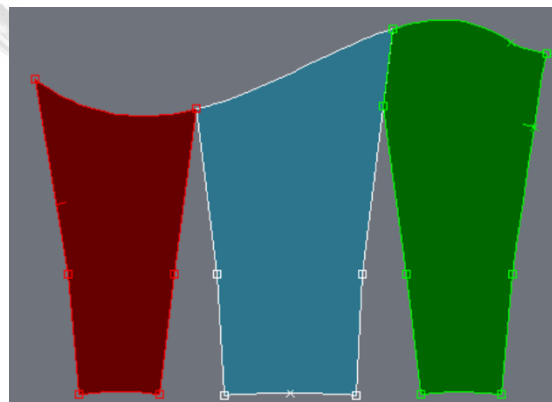


I added my notches where my dart would have been using F2, NOTCH

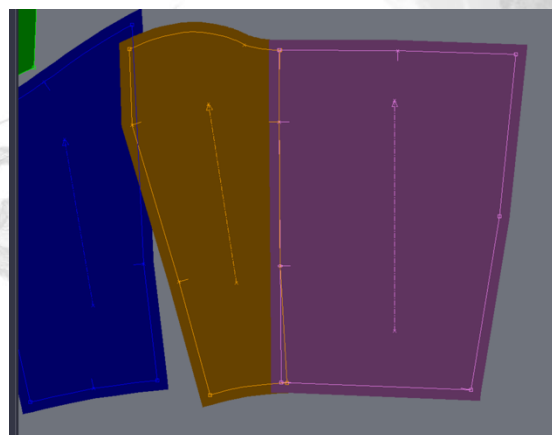
Shaping the pieces. Using F8, MARRY to see he fitting



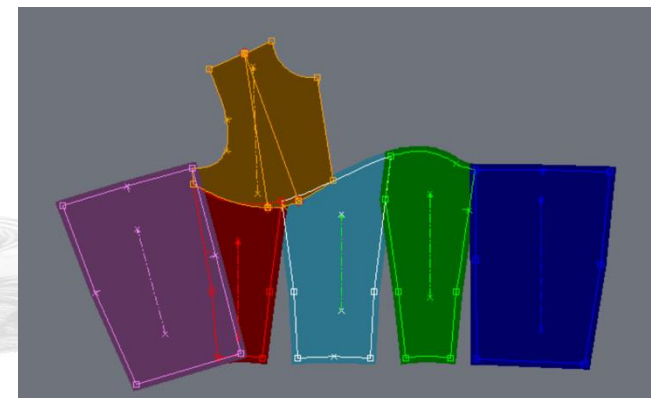
Front



Front + lapel



Back



Full piece

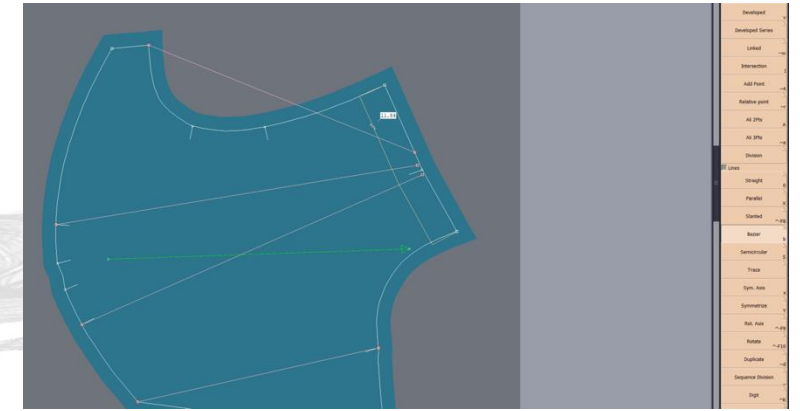
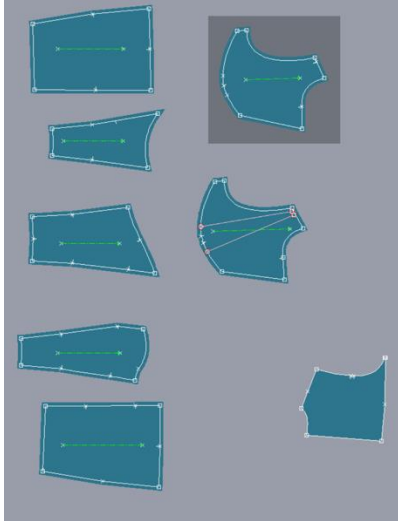
Reshaping the armhole:

To do this:

The first thing I did was add a Bezier line using F1, BEZIER, from the armhole to the top where the centre back is.

Then I went F1, BEZIER, then I clicked on imprint at the bottom of the page, then DISPLAY and HANDLES then F3, RESHAPE.

Using the reshape tool, I moved the handles to create that curved bust point shape.



Pleat:

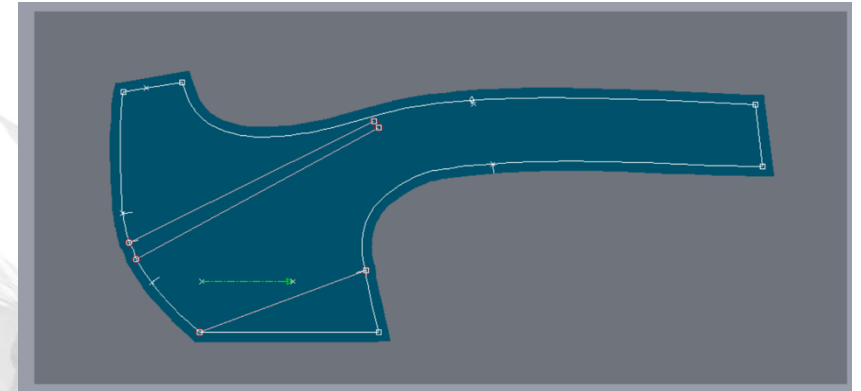
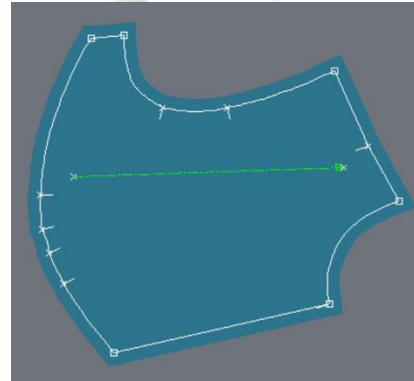
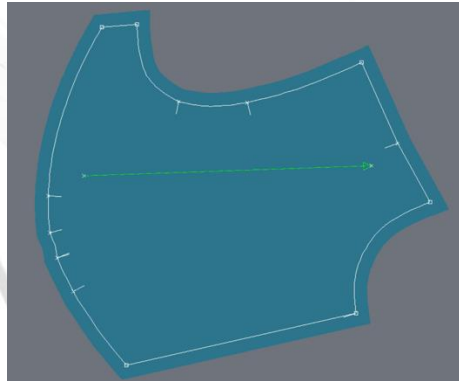
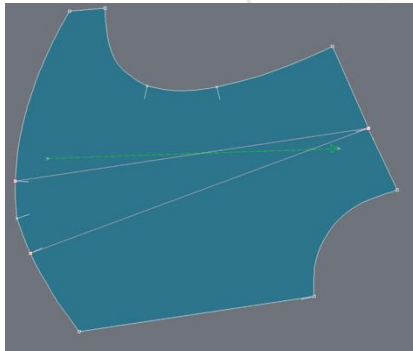
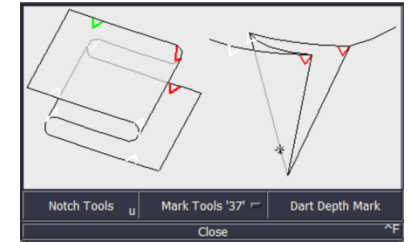
For the pleat, the first thing I did was change the *regular point* in the middle to a *slider point*.

This is because that will be my fold point, so the slider point helps acknowledge that.

Next, I went F5, EFFECTIVE POINT and I pressed the *turnback corner* to make sure the correct functions were selected.

Click on FOLD NOTCHES and the *pop up with diagrams will appear*.

Click on the correct notches you want which will turn red.



Start adding the notch by going F5, EFFECTIVE PLEAT.

Start with the notch closest to the centre front as this is the notch that will fold over,

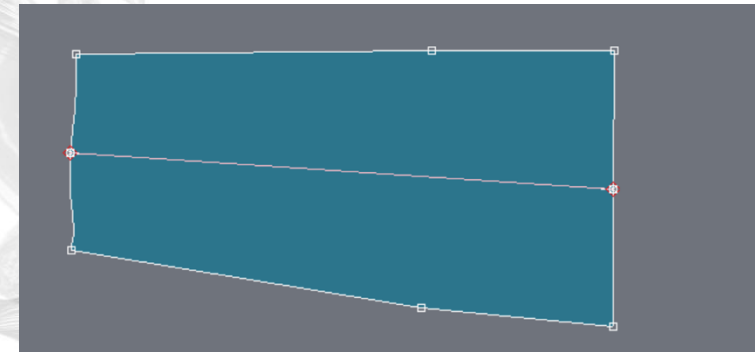
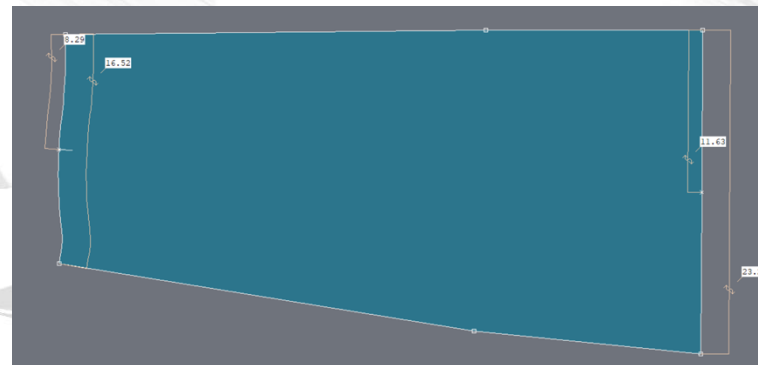
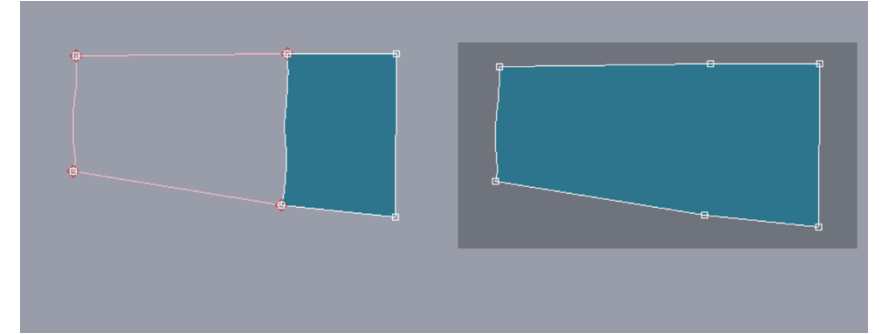
- Left click on the point to add the pleat making sure the pleat is facing the correct direction you want it to go. – click spacebar to change this,
- The notches I marked are 3.8cm apart so when you add your first pleat a box should come up. Add 2.8cm in the depth from edge box and 0 in the depth from edge end.
- This means that the pleat will have a 2.8cm fold on the seam.
- Left click them hem roughly as it doesn't matter where the pleat will end from here.

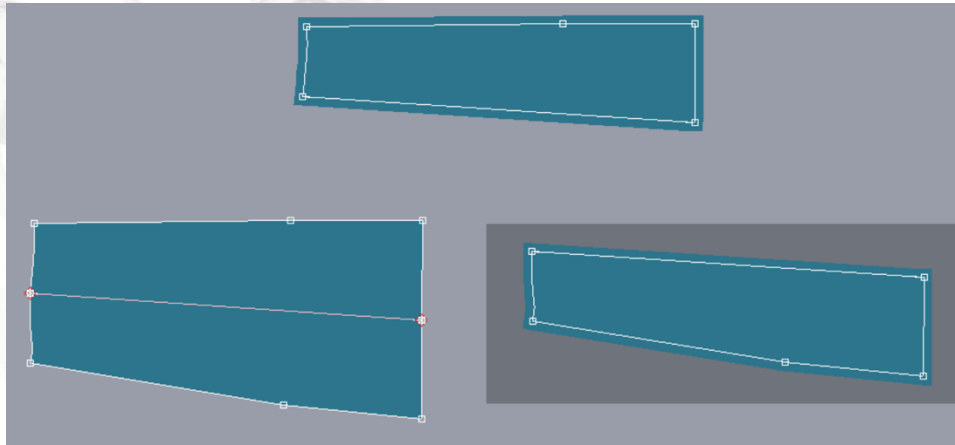
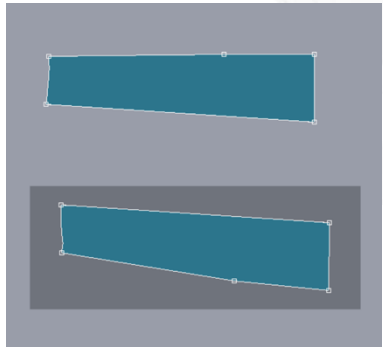
For the back, I extended the hem by 30cm to match the front.

How to do this:

I want to triple the size of this to 30cm

I went to F1, PARALLEL then added the amount.



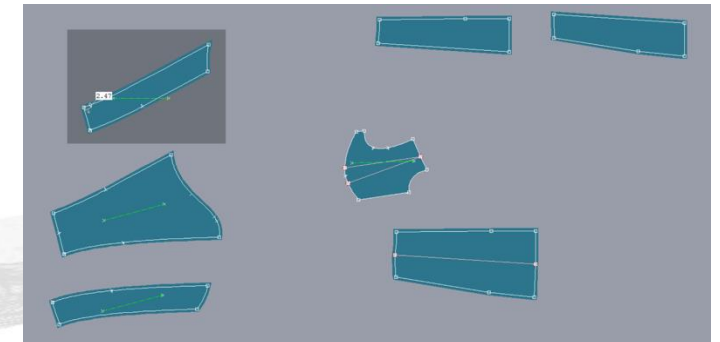
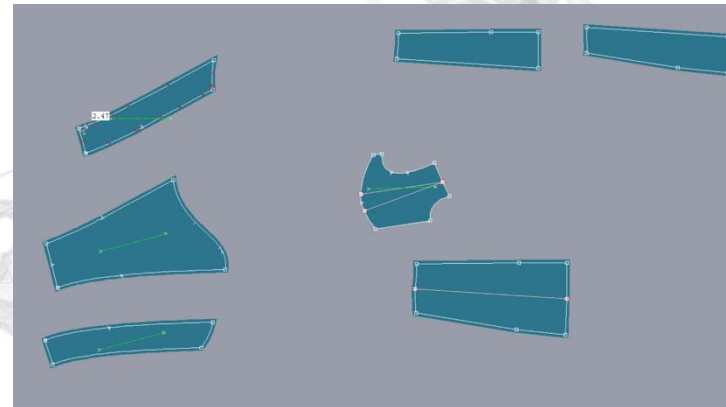


Realising that the top is a corset, I split each sections in half. For example, the back I split it down the middle as that is where a boning piece will go

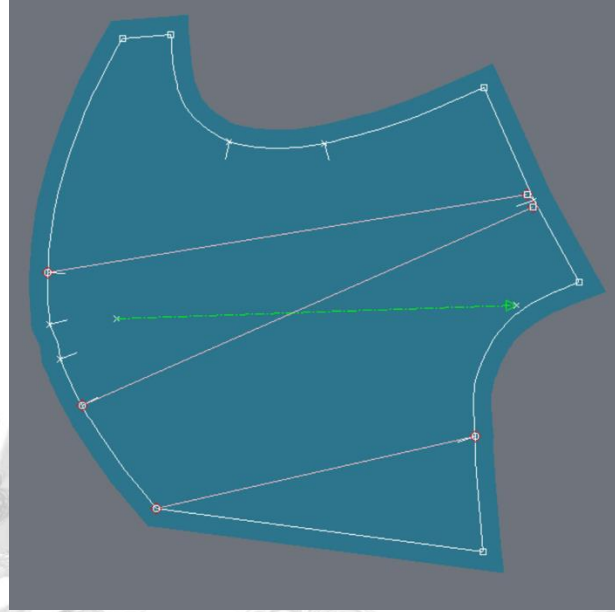
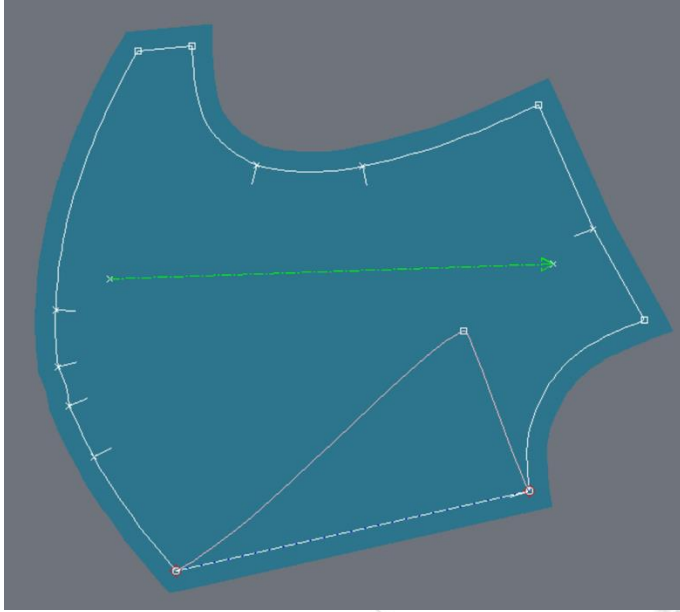
To do this:

The first thing I did was measure the mid point between the two seams and then I created a line in the middle using F1, STRAIGHT.

After this I seamed of the pieces to make sure they were separate.

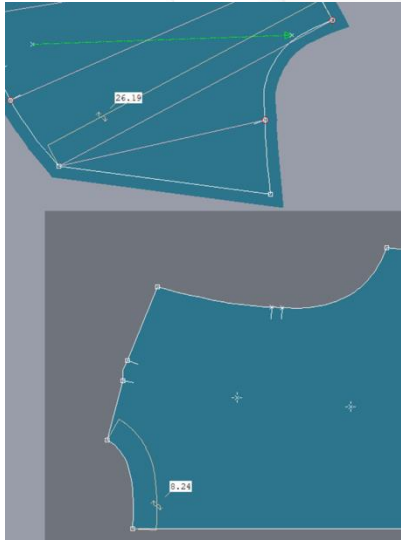


Lapel



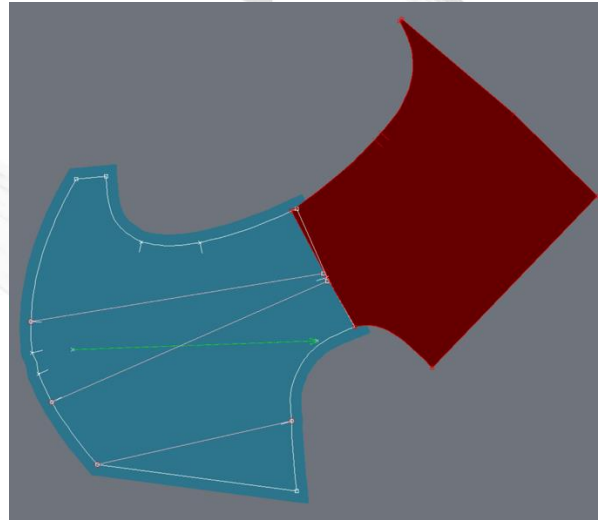
Redraw the pleat lines using F1, STRAIGHT

Strap:



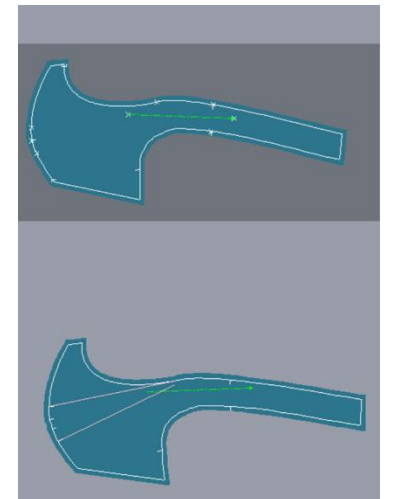
Measurement is 34.43

length wise=



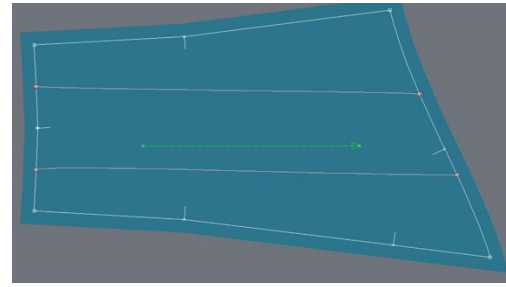
To make the strap, I measured the line around the neckline which amounted to 34.43cm

After removing the dart, the shoulders add up perfectly..



For the strap, the first thing I did was use my back piece. I rotated this piece so that the shoulders face each other. Then I realised that there is a dart at the shoulder that I need to get rid of. To get rid of the dart I decided to just open it at the waist because it wasn't necessary anyway.

Boning placements:



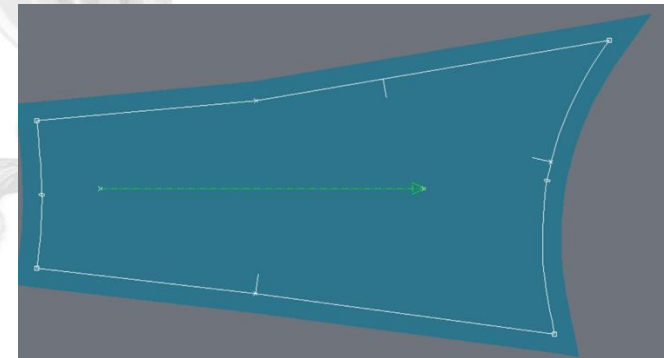
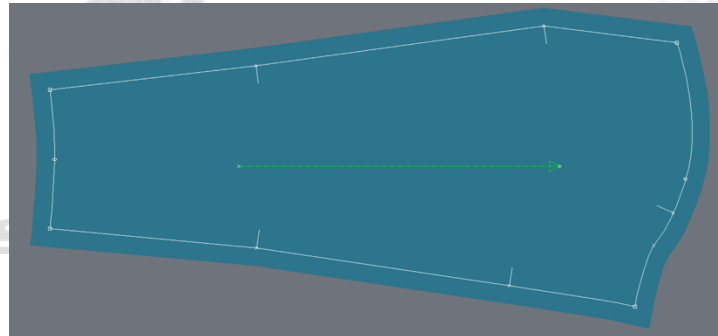
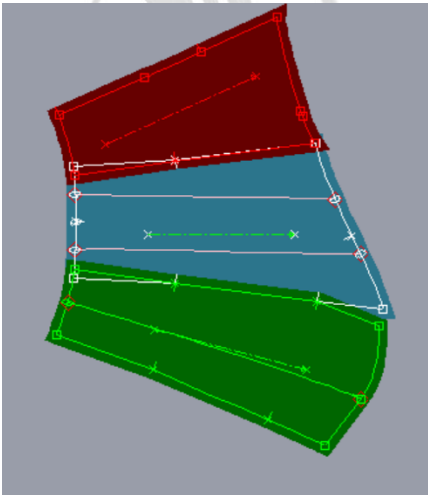
For the front panel I went F1, SEQUENCE DIVISION and added the measurements 4 at the bottom and 3 at the top.

I then added a line using Bezier, then I went to display, handles and recreated my lines.

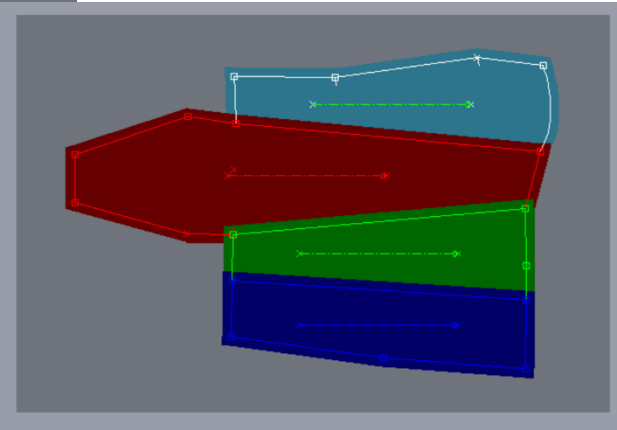
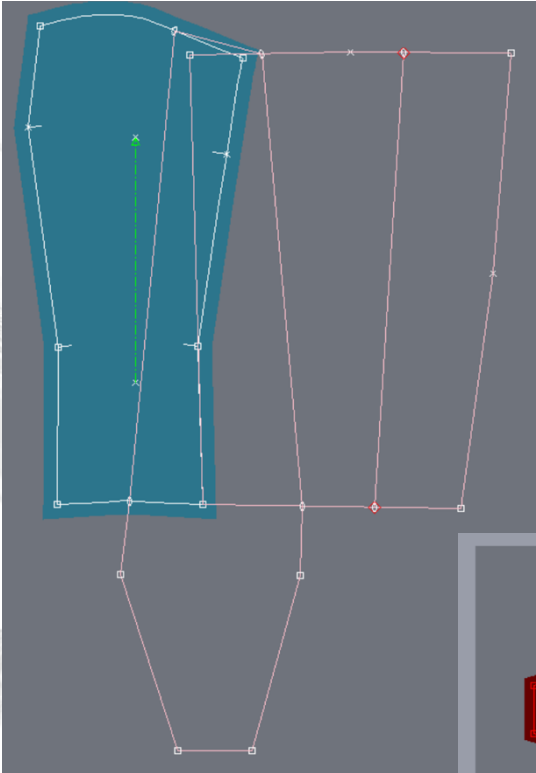
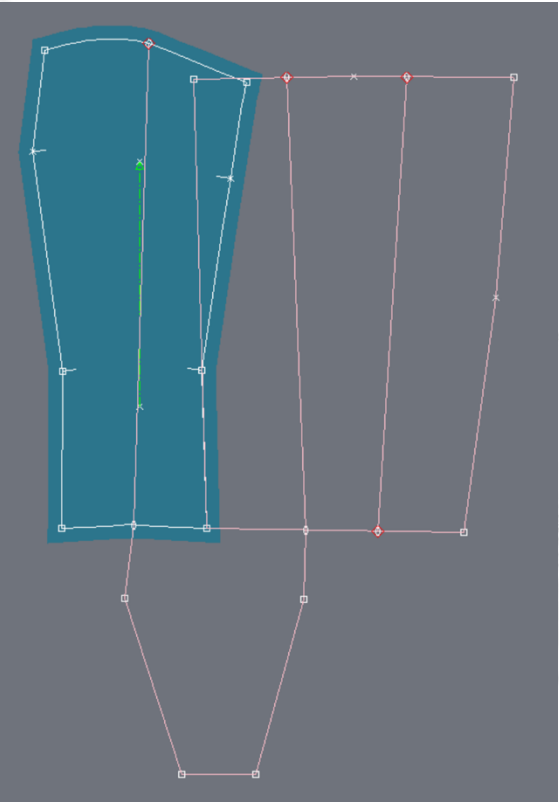
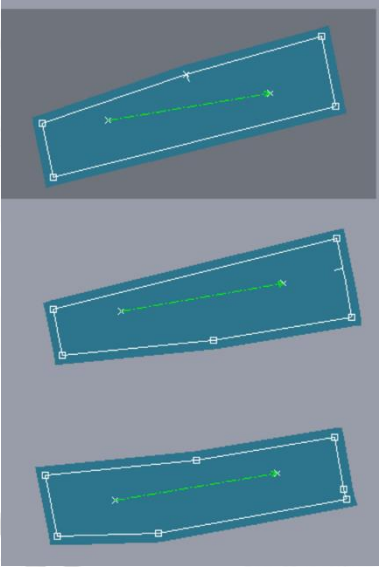
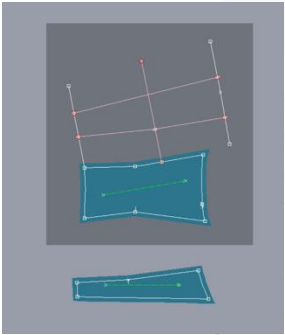
I repeated this for all the panels.

For the back I divided the top and bottom by 2.

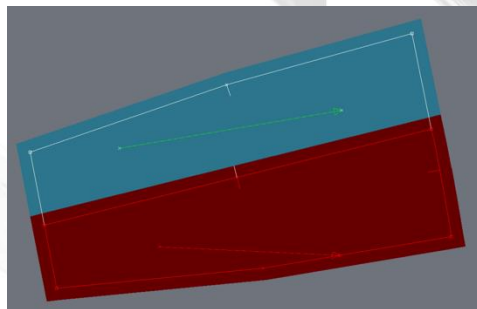
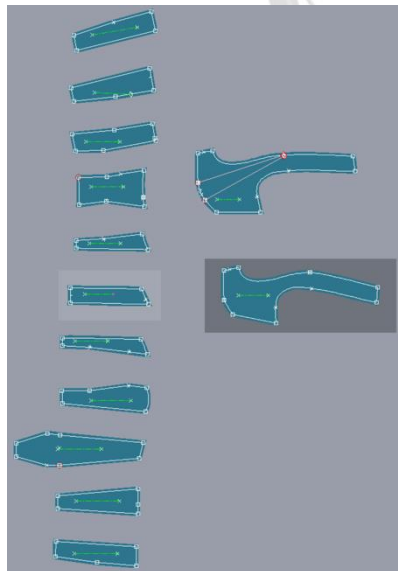
And for the left and right I divided the top and bottom by 2 but for the top I shifted the midpoint by 1cm to have the internal line be more diagonal.



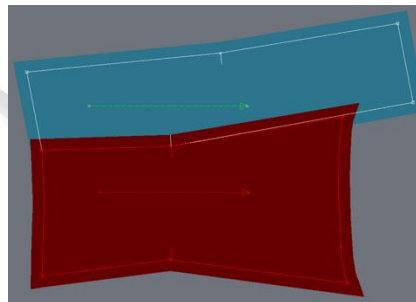
Back side pieces:



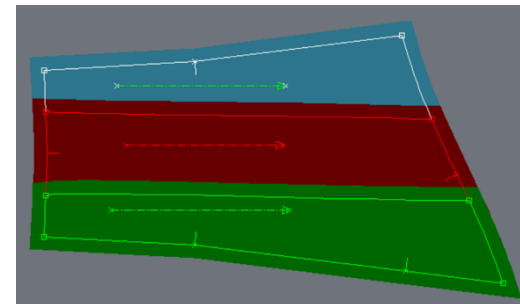
Pieces + notches. Double checking it's all correct.



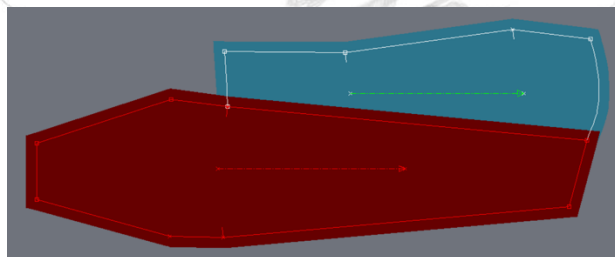
Right Back



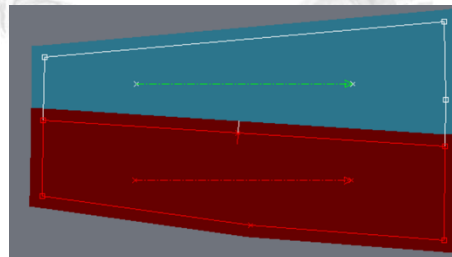
Right side



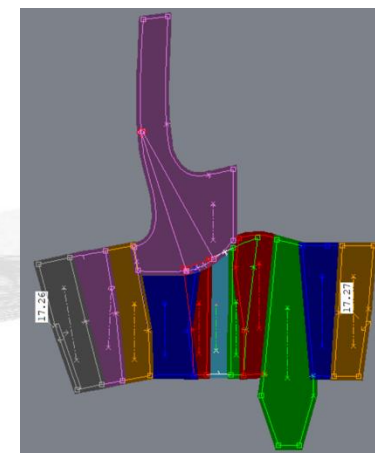
front



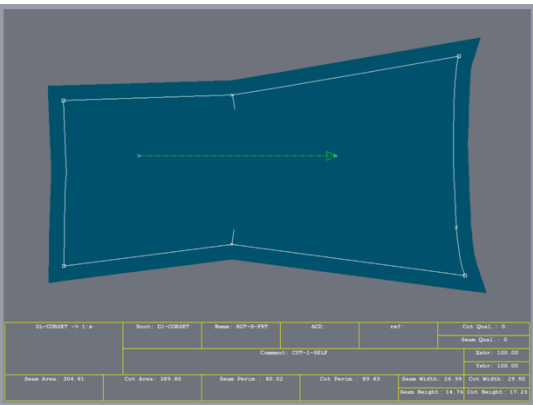
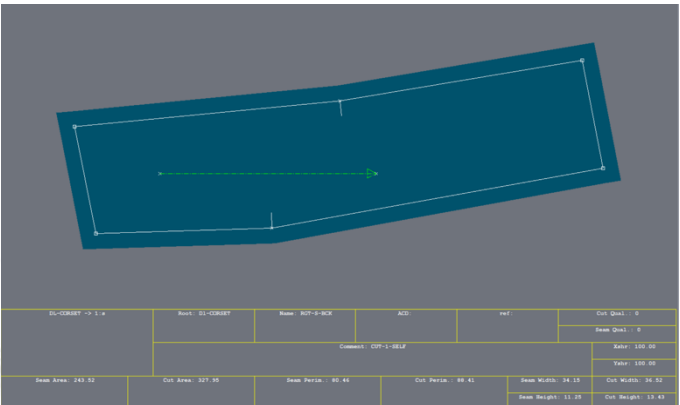
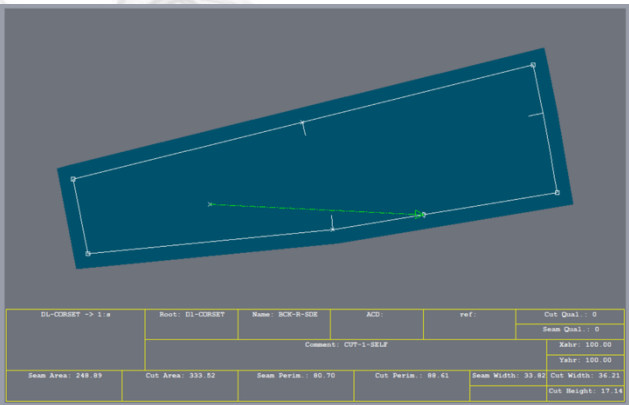
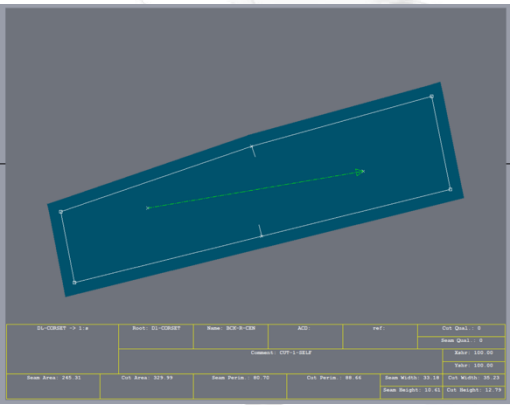
Left side



Left back



Title block

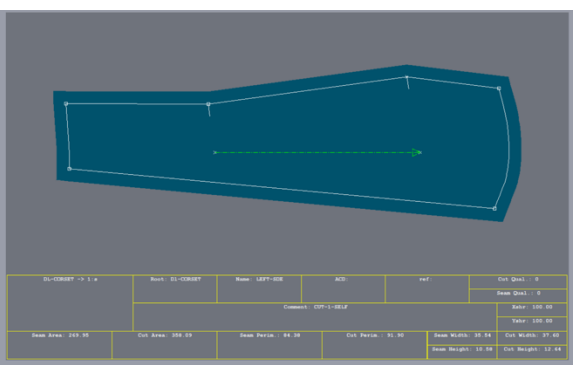
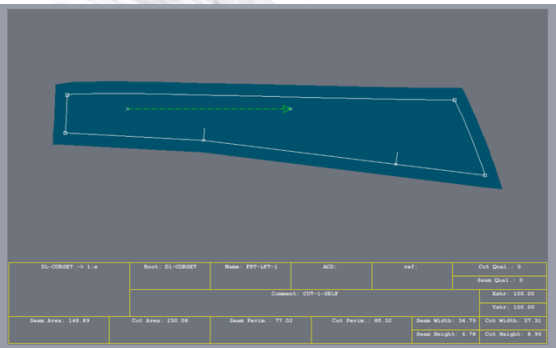
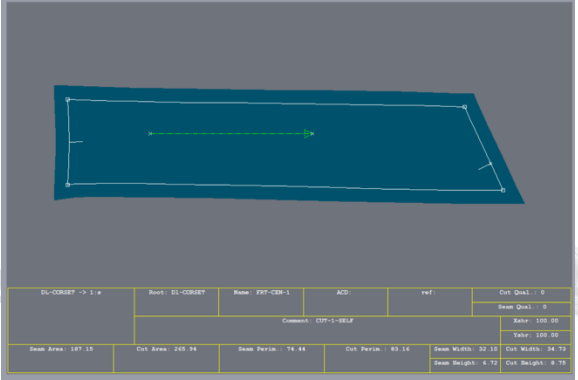
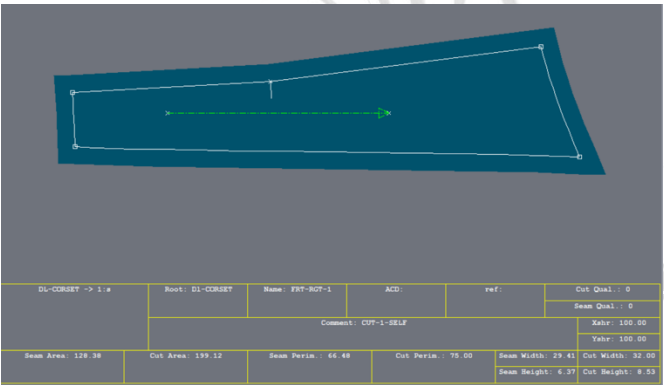


BACK-RIGHT-CENTRE

BACK-RIGHT-SIDE

RIGHT-SIDE-BACK

RIGHT-SIDE-FRONT



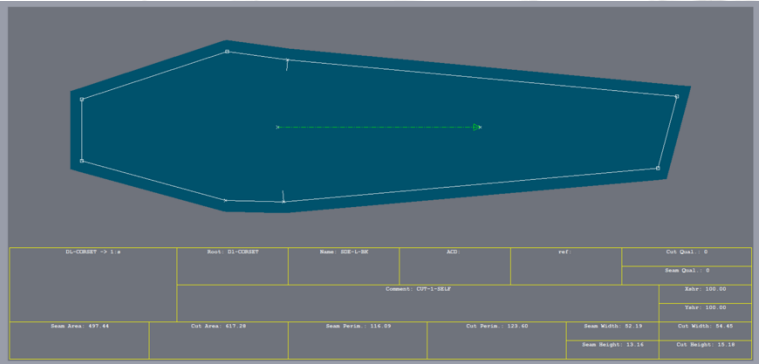
FRONT-RIGHT-1

FRONT-CENTRE-1

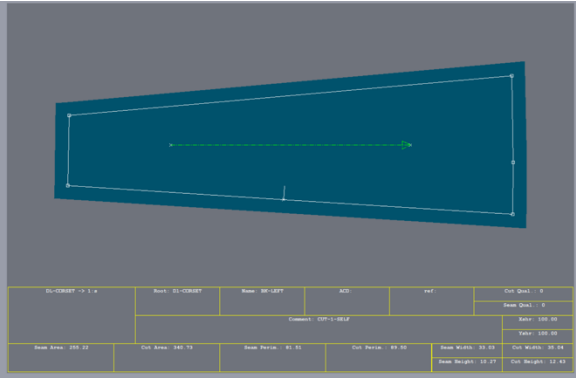
FRONT-LEFT-1

LEFT-SIDE

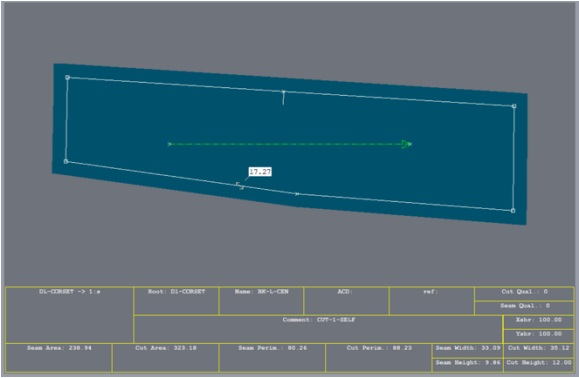
TITLE BLOCK:



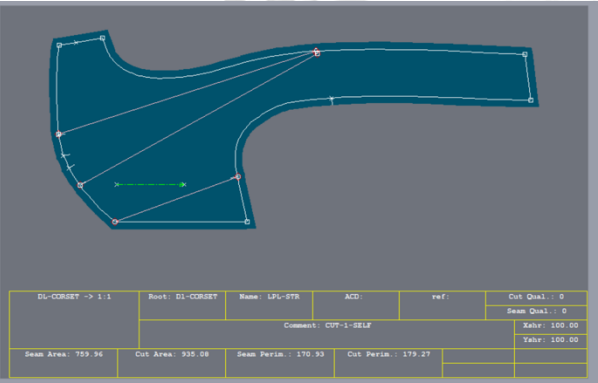
SIDE-LEFT-BACK



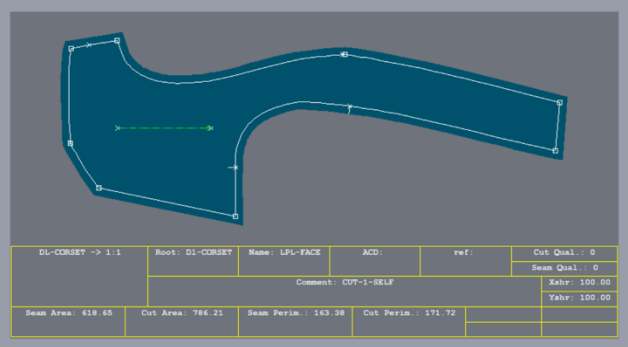
BACK LEFT



BACK LEFT CENTRE



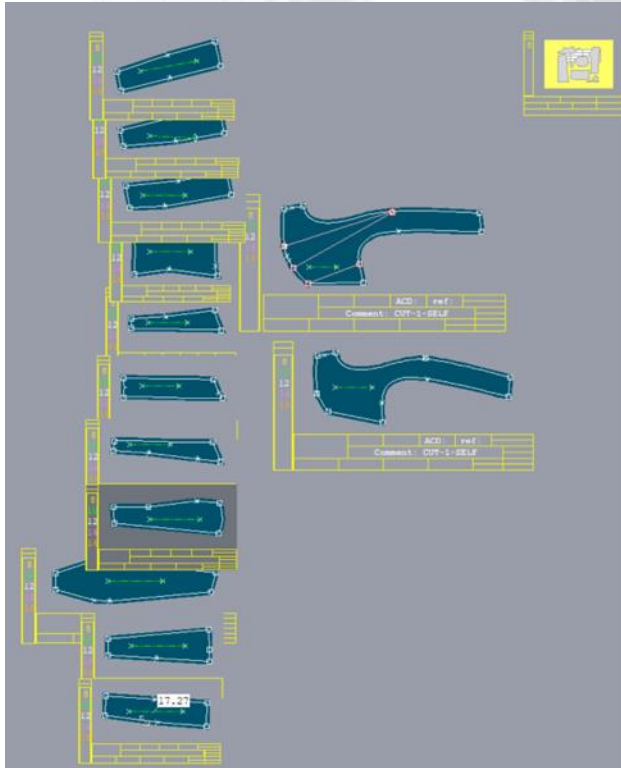
LAPEL/STRAP



LAPEL-FACING

I added a title block by going display and then title block.
- Then I changed the name and the comments in the block by first pressing edit, then edit again

To add the sizing:



To add sizing, the first thing I did was close my title block. Then in F7, I went IMP EVT and clicked my first sheet with the people. At the bottom of the page, I changed the model to all then I clicked rule tables. After I pressed size 12 and enter which added my size 12 to the model.

Variant:



DL-CORSET

Variant : DL-CORSET - 13/13 Articles - Total Nb Piece : 13

Sprd/Graphics Variant Piece Article Export/Print Matching Links Visualization Cloud Application ?

	Art.	Piece Name	Min. S.	Max. S.	S	DH	DV	Tot. Nb. Pcs	Fabric	Material	Message	ACD	Comment	Sym.	Rotat.	Xchng
1	1	BCK-R-CEN			1	0	0	1	#	1			CUT-1-SELF	0	0.00°	100.0
2	2	BCK-R-SDE			1	0	0	1	#	1			CUT-1-SELF	0	0.00°	100.0
3	3	RG7-S-BCK			1	0	0	1	#	1			CUT-1-SELF	0	0.00°	100.0
4	4	RG7-S-FRT			1	0	0	1	#	1			CUT-1-SELF	0	0.00°	100.0
5	5	FRT-RGT-1			1	0	0	1	#	1			CUT-1-SELF	0	0.00°	100.0
6	6	FRT-CEN-1			1	0	0	1	#	1			CUT-1-SELF	0	0.00°	100.0
7	7	FRT-LFT-1			1	0	0	1	#	1			CUT-1-SELF	0	0.00°	100.0
8	8	LEFT-SDE			1	0	0	1	#	1			CUT-1-SELF	0	0.00°	100.0
9	9	SDE-L-BK			1	0	0	1	#	1			CUT-1-SELF	0	0.00°	100.0
10	10	BK-LEFT			1	0	0	1	#	1			CUT-1-SELF	0	0.00°	100.0
11	11	BK-L-CEN			1	0	0	1	#	1			CUT-1-SELF	0	0.00°	100.0
12	12	LPL-STR			1	0	0	1	#	1			CUT-1-SELF	0	0.00°	100.0
13	13	LPL-FACE			1	0	0	1	#	1			CUT-1-SELF	0	0.00°	100.0

Close

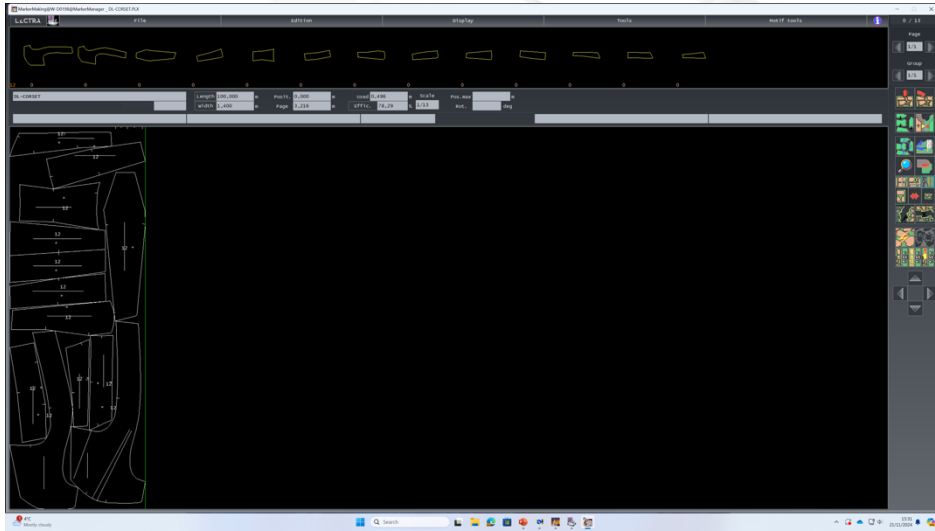
in variant:

S=single/cut 1

DH=double horizontal/one pair

- To do this I went F8, VARIANT, I named my variant the same name as my original piece.
- then I went F9, CREATE PCE ARTICLE and clicked on every piece I wanted to include in my variant.
- For the fabric I placed an S in every box,
- For DH I placed 1 in all the boxes and removed the 1 in S leaving it as 0.

Marker PDF:



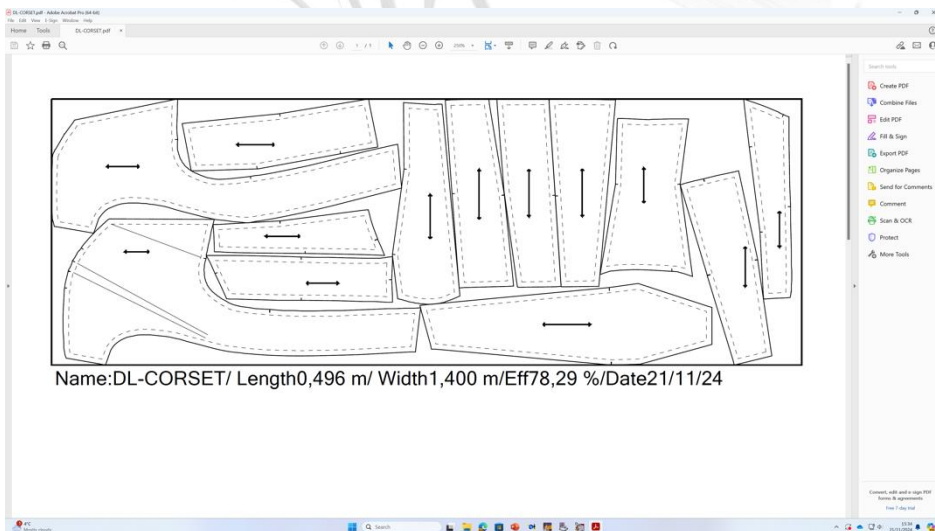
Marker Manager:

- Click on tab that says marker,
- Go on the blue t-shirt and click your file name as well as making the measurement in the width box at 140cm.
- Then go on the blue icon at the right of the screen and then go the lightning which compresses your piece.

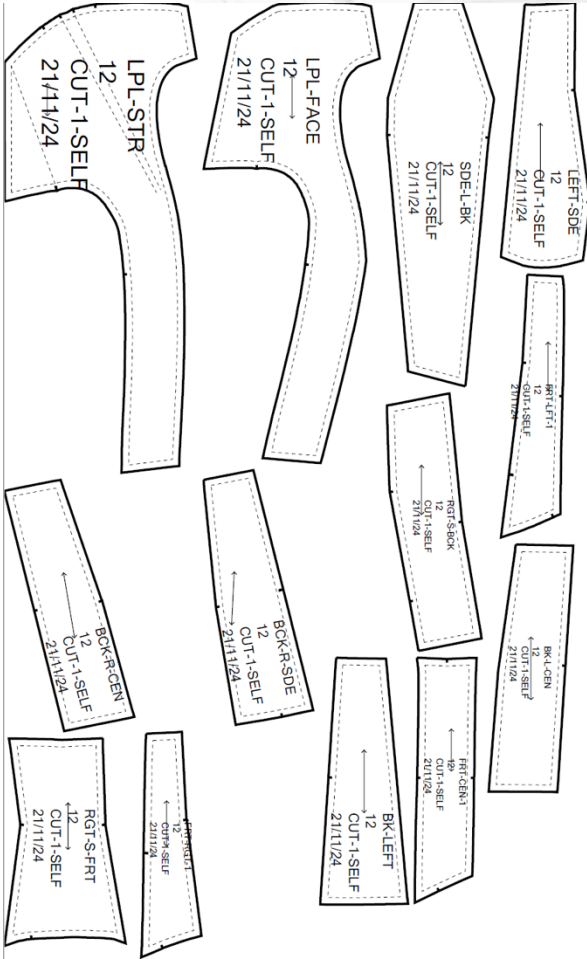
For a marker PDF:

First go onto the marker manager you just created and then go edition, and then plot on a plotter.

- Then go configure and click on pieces PDF. Then press ok and save your piece.



Pieces PDF



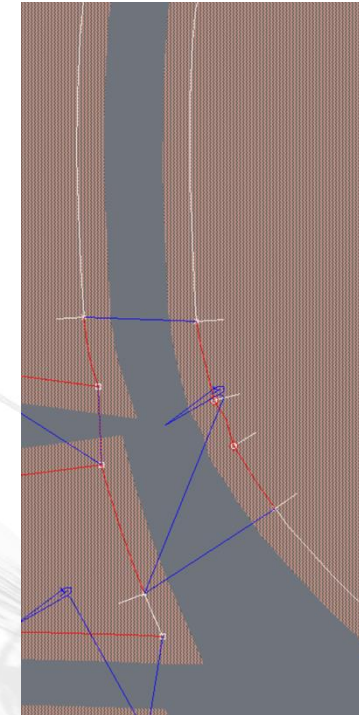
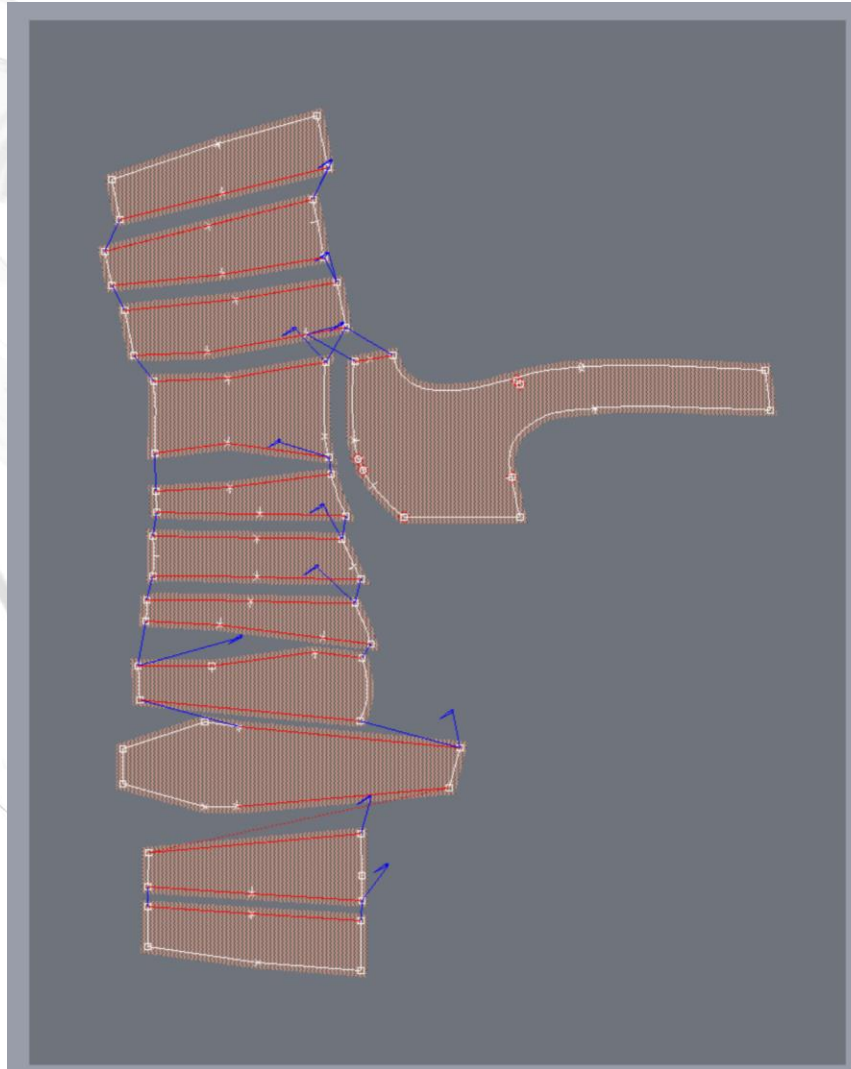
To make a pieces PDF, first select acrobat.
Then go back to lectra and click on **SHEET** and then **SHEET SELECT**.
This will then give you a pointy finger.
Then click on all the patterns and then right click onto the screen.
Click file and click **SELECTION DRAWING**
This will open in acrobat with your pieces PDF.

Desk of stitches:

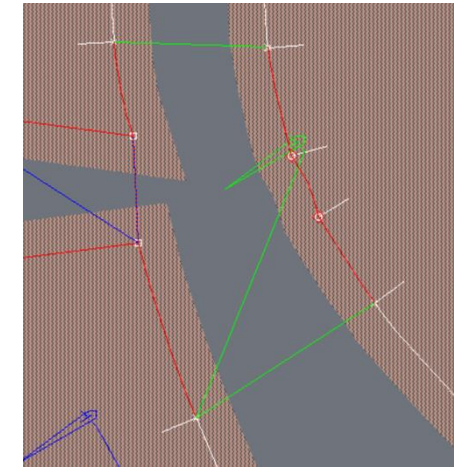
✓ Add Stitch	x
Add Support	p
Associat. Stitch and Supports	C
Define Points Facing Each Other	v
Reverse Support	n
Reverse Horizontally	
Reverse Vertically	
Add Slip on Point	e
Copy Assembly	^C
Paste Assembly	^V
Split Phase	^X

Stitch pieces
together by going
EDIT, ADD STITCH,

To add stitch:
Left click to the
points then right
click in the grey
area to activate
the stitch lines



Pleat stitching



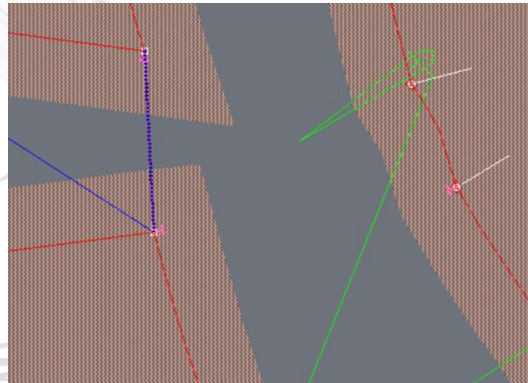
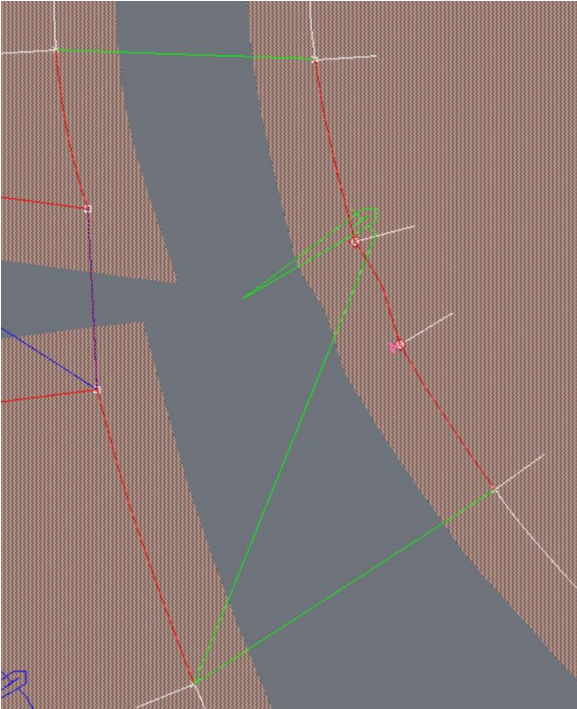
Rejoined stitch:

First go to **EDIT, EDIT** then click on the needle of the pleat stitch.

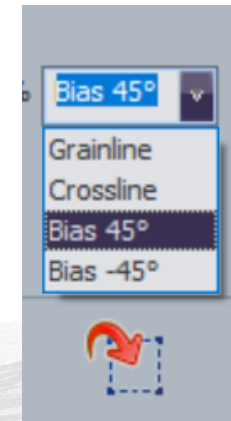
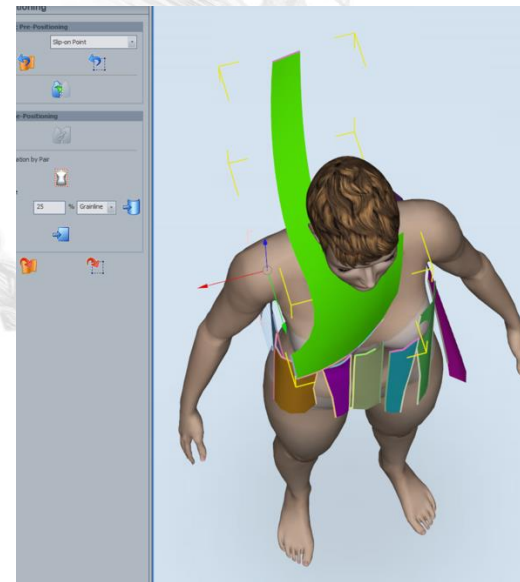
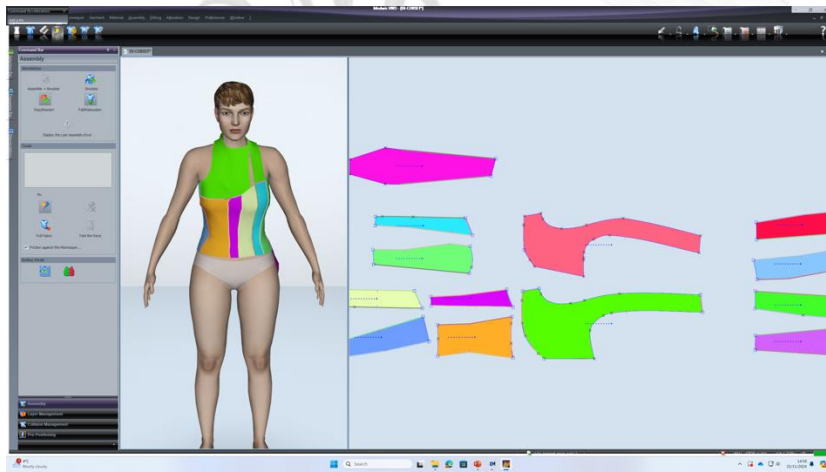
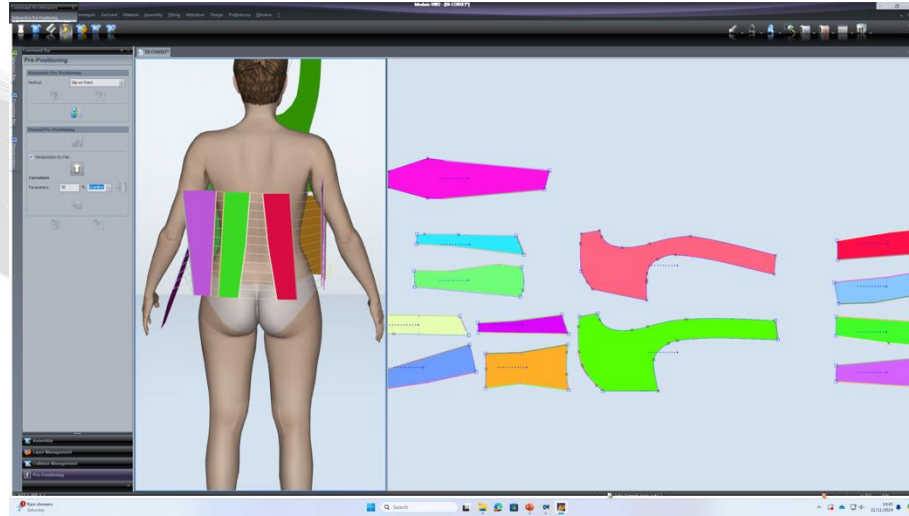
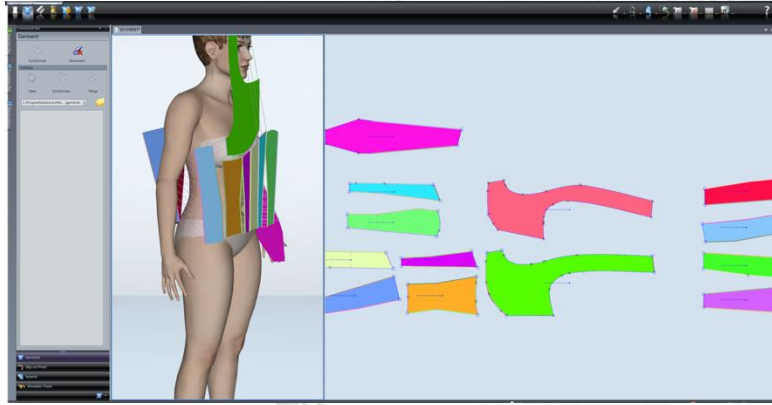
It will pop up with a tab that will say 'Simple', use the down arrow to activate the box and in the <Type> space it will say simple. Here you want to delete this then press tab key. Select rejoined and enter which will turn your stitch green indicating that it's a pleated stitch.

Sewing rejoined stitch:

Go stitch, then define points facing each other. You then want to select the lines that fold, clicking left then right, to indicate where the pleat will fold once its sewn.



3D Fitting

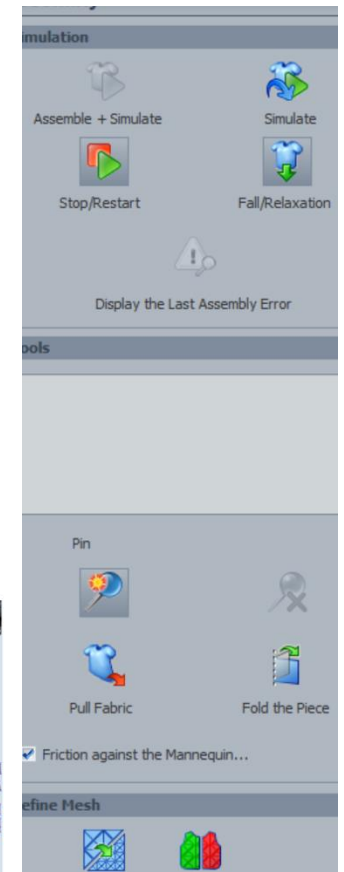
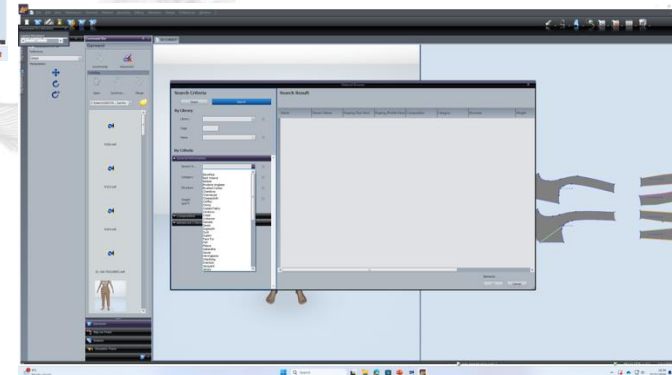
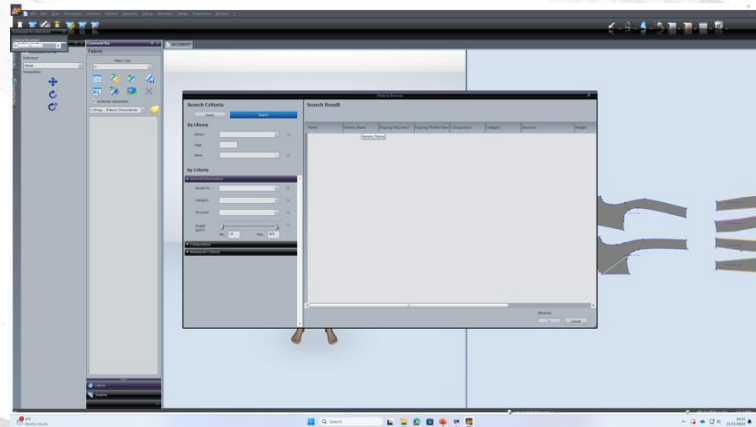
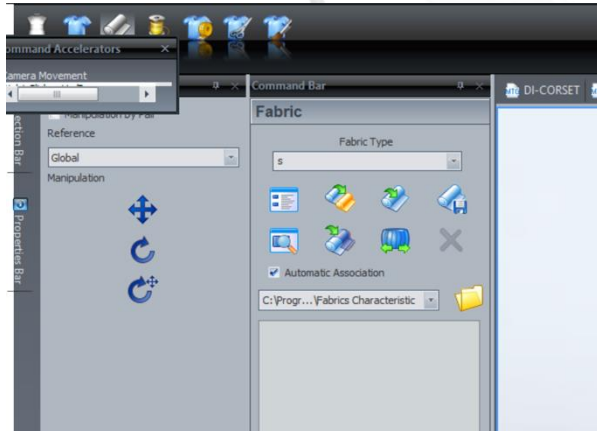


To get the strap to fit properly around the body, instead of having it drape at a grainline, change it to bias 45 degrees which bends the piece slightly.

Lapel:

Go to your lectra and then you click your lapel line. In **F8, SET AS 3D**, and click on your line.

- A pop up should come where you want to press tool bar. Then select right side to right side iron fold and then this will make your line appear in **3D**. After this you don't need to sew but in 3D fitting you click on your line using the grey arrow at the top and then in assembly, you press fold the piece. A circle will come up to which you just rotate the lapel in the direction you want it to fold.



Fabric

