

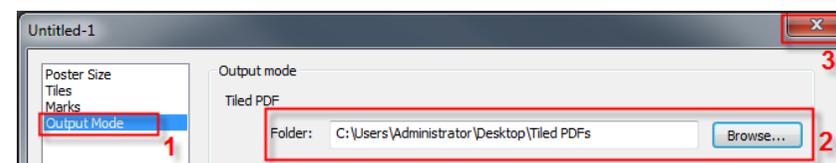
This tutorial demonstrates how to use tiling with Asanti. Tiling can only be executed on a system where Acrobat Pro X or later is installed, and the Apogee Tiling plug-in is available.

Sample Files: Download the Asanti Sample Files via the Asanti Client (Help > Asanti Online > Download Sample Files).

## 1. Setup Output mode

Before starting with an Asanti job, we have to setup an output folder where the tiled PDFs will be exported to.

1. Create a new folder on your desktop "Tiled PDFs".
2. Open Adobe Acrobat and choose "Tiling > Tiling setup..."
3. Select "Output Mode" in the left pane (1).
4. Browse to the folder "Tiled PDFs" on the desktop (2).
5. Close the tiling window by clicking the "x" button (3).

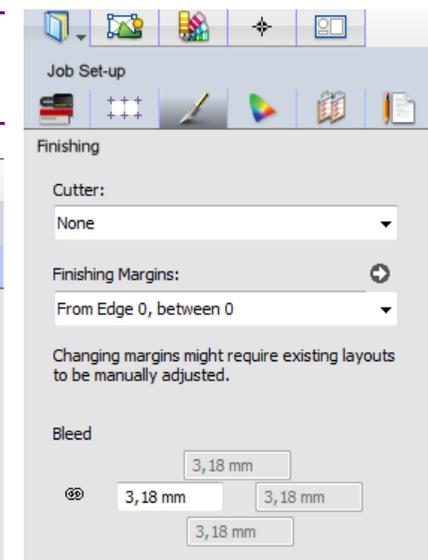
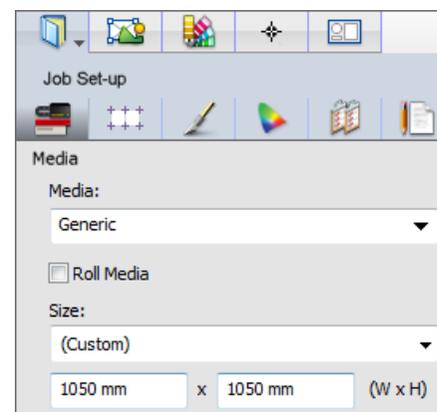


## 2. Using a Fixed tile size

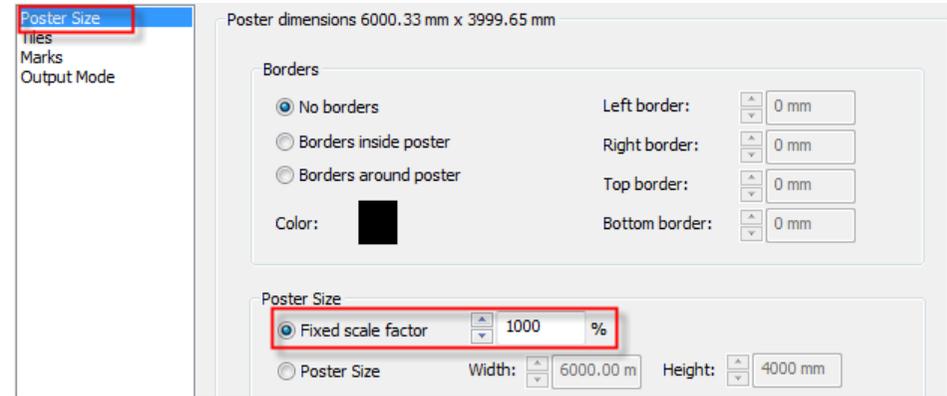
We will create a poster of 6 x 4 m, composed of tiles with a fixed size of 1 x 1 m.

*Note: It is possible that the outer most right and the outer most bottom tiles are smaller because the remainder of the file is smaller. (See [p.4](#))*

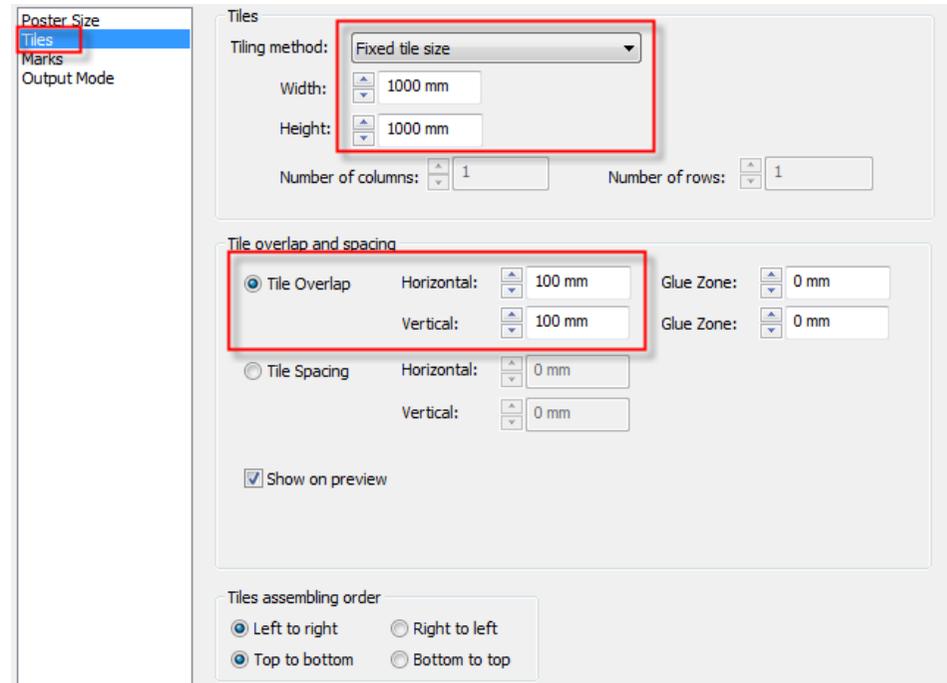
1. Open the Asanti client.
2. Start a new layout job and set the media size in the Inspector panel to 1050 x 1050 mm.
3. Select the Finishing options and set Cutter to 'None' and the finishing margins to 'From Edge 0, between 0'. Set the bleed value to 3,18 mm.
4. Add Disco\_ball\_600x400.jpg to the image panel.
5. Right-click on the image and choose "Edit Externally > Normalized PDF".
6. The PDF is opened in Adobe Acrobat.



- 7. Choose the "Tiling > Tiling setup..."
- 8. Select "Poster Size" in the left pane.
- 9. Set the fixed scale factor to 1000%.



- 10. Select "Tiles" in the left pane.
- 11. Set the tiling method to "Fixed tile size".
- 12. Enter the value 1000 mm for width and height.
- 13. Enter the value 100 mm for horizontal and vertical tile overlap.
- 14. Leave the tile assembling order as is.



15. Select “Marks” in the left pane.
16. Enable the “Crop marks”.
17. Set the length of the crop marks to 5 mm. The generated tiles will be 1010 x 1010 mm, but after cutting you have finished tiles of 1000 x 1000 mm.
18. Enable the “Tile dotted overlap marks”. A black&white dotted line will be printed on the tiles so the person that assembles the poster knows where to start with the next tile.
19. Enable the “Logical part ID’s” and select “Place in center of overlap zone”. The tile number and tile row & column, will be printed on the tile. To view this mark easily on the preview in Acrobat enable “Show enlarged Logical part ID’s on Preview”, set the font size to 64 points and change the color to Red. (Click the color patch and set the CMYK values to 0-100-100-0.)

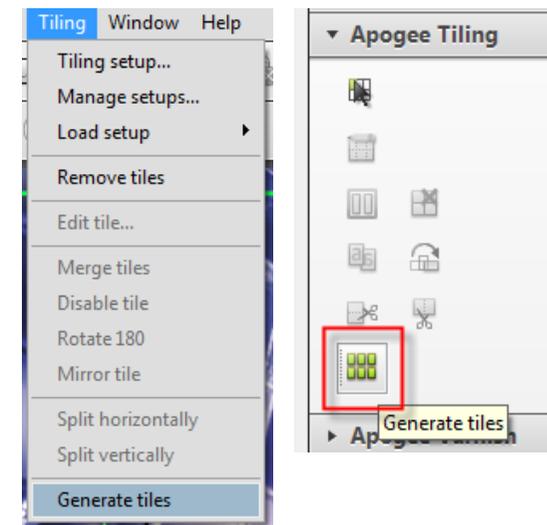
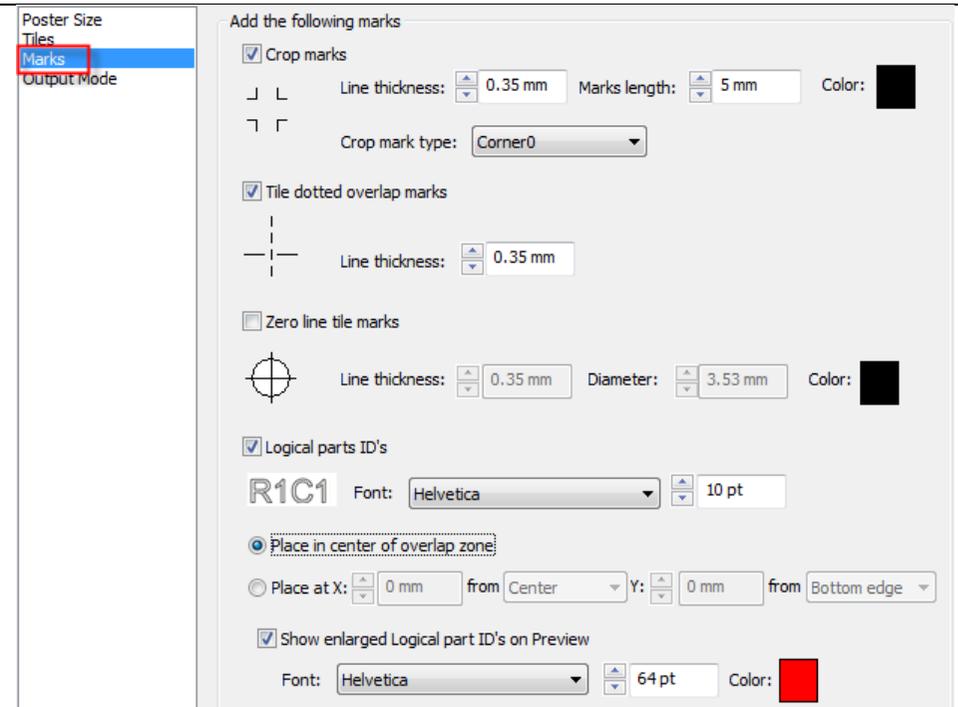
20. Close the tiling window by clicking the “x” button.

21. Now you can generate the tiles in Acrobat: choose “Tiling > Generate tiles” or by clicking the “Generate tiles” icon in “Apogee Tiling” tool.

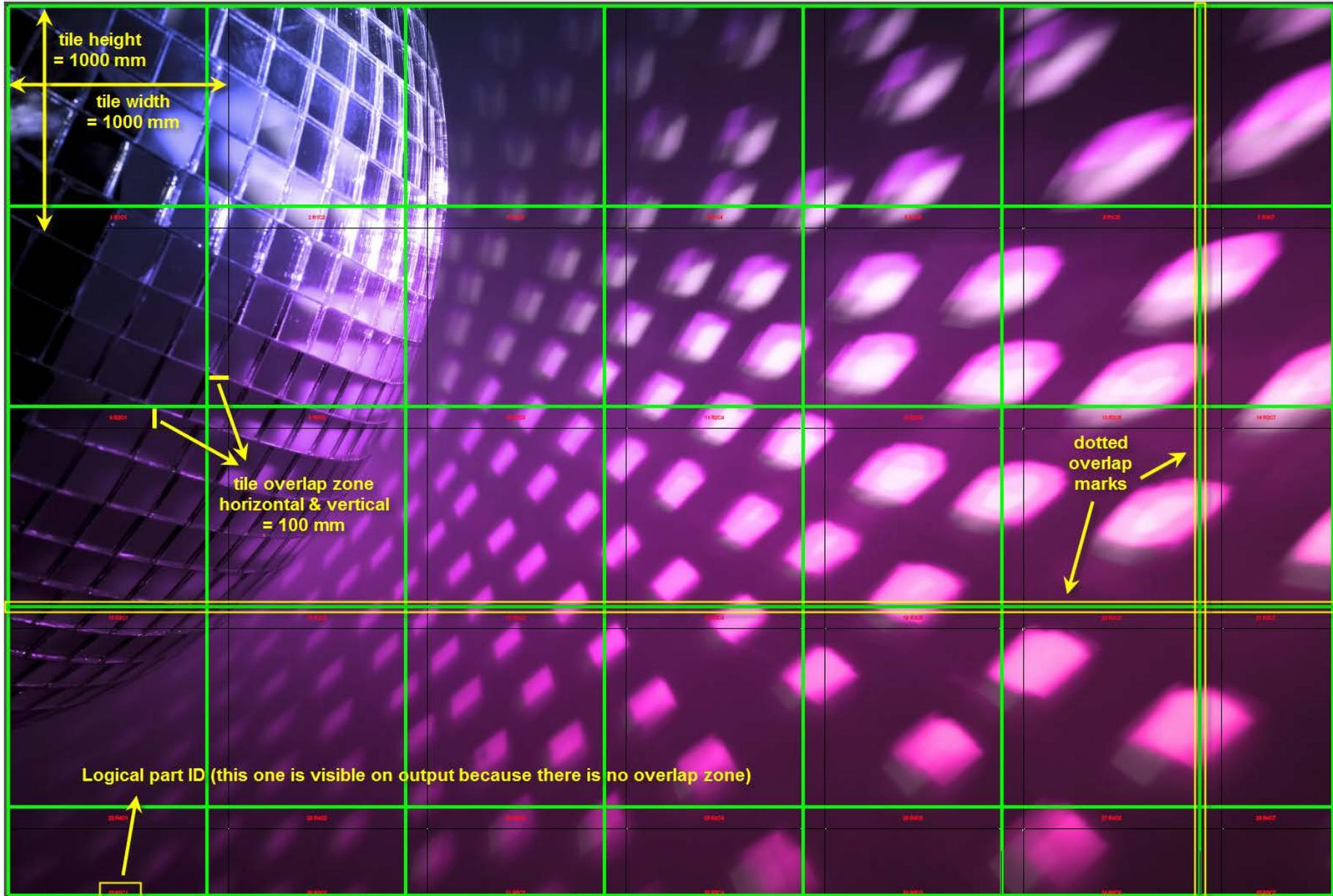
22. Drag the generated file “Discoball\_600x400\_Tiled.pdf” to the images panel of the Layout Editor. The individual tiles/images can now be placed on the Sheet either by manual dragging or via Auto-Layout. For now we will only place the first page of the tiled pdf on the Sheet.

23. Click ‘Submit job’ and select ‘Make and hold’ (to render the first tile).

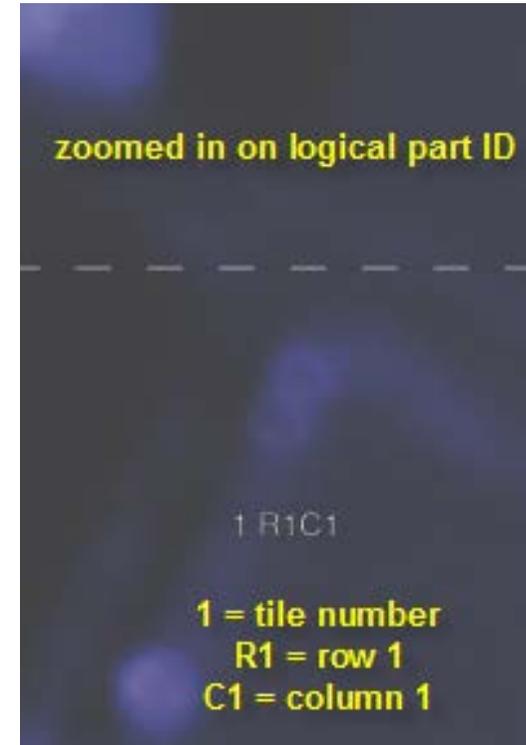
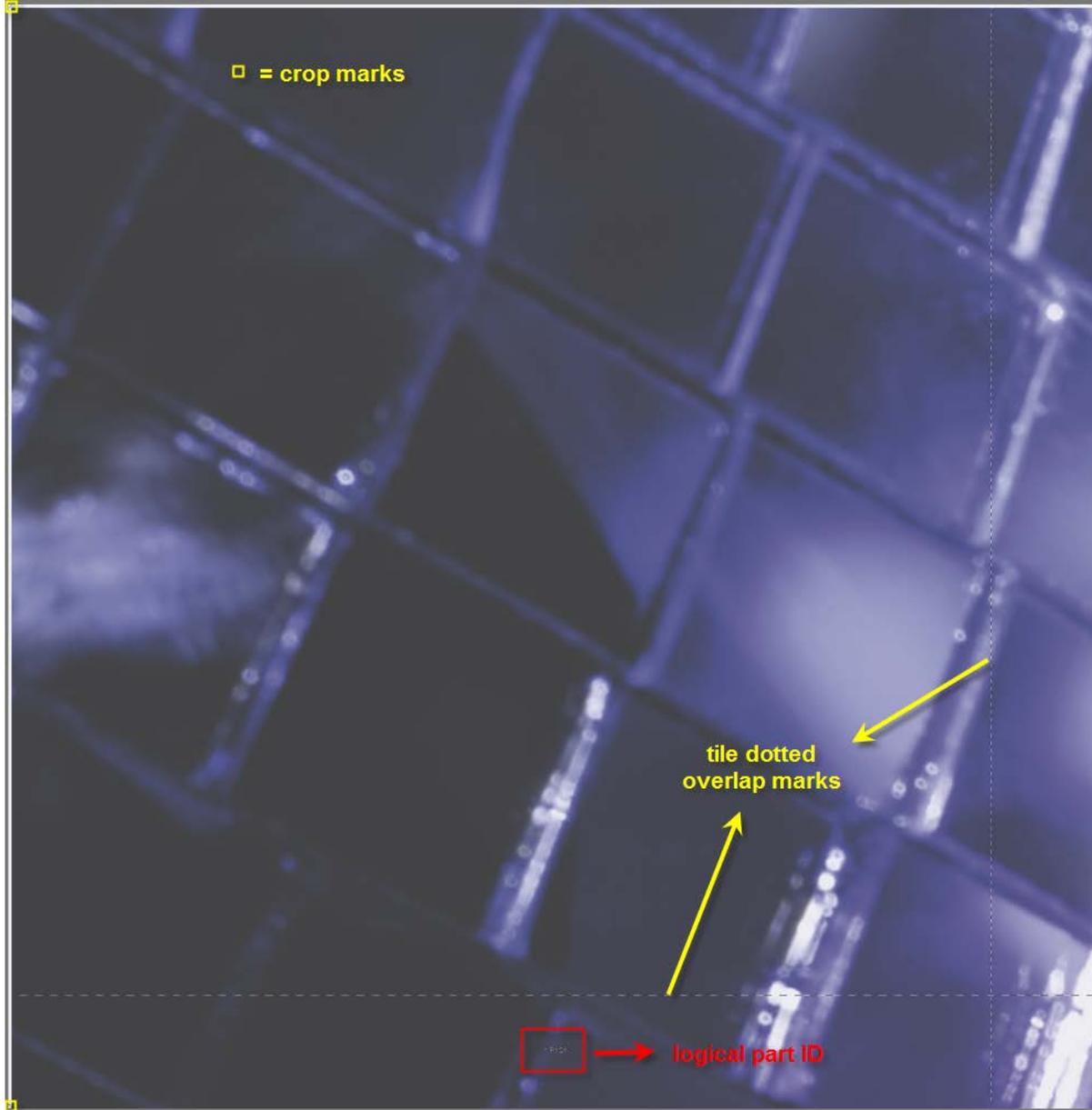
24. Click ‘Submit’.



Preview in Acrobat

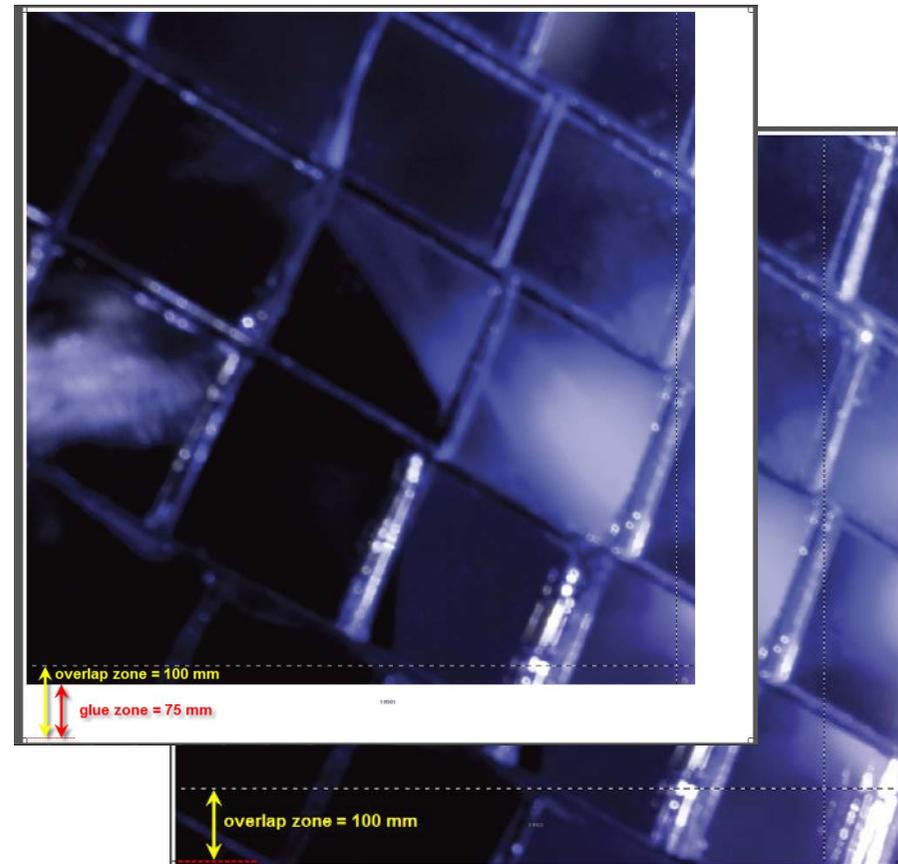
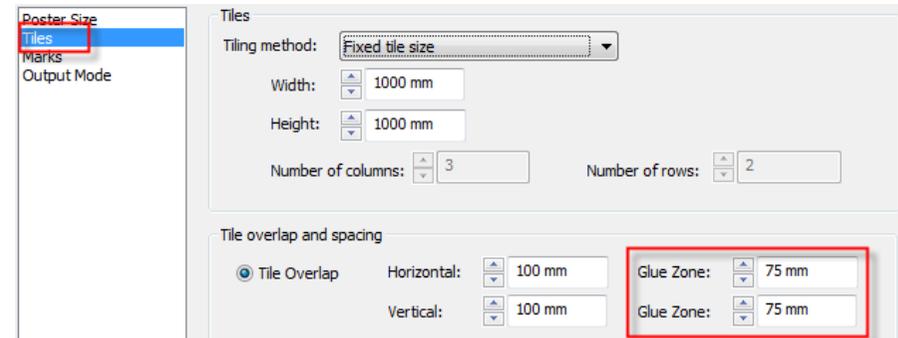


*Raster Preview of Layout 1 in Asanti*



### 3. Fixed tiles with glue area overlaps

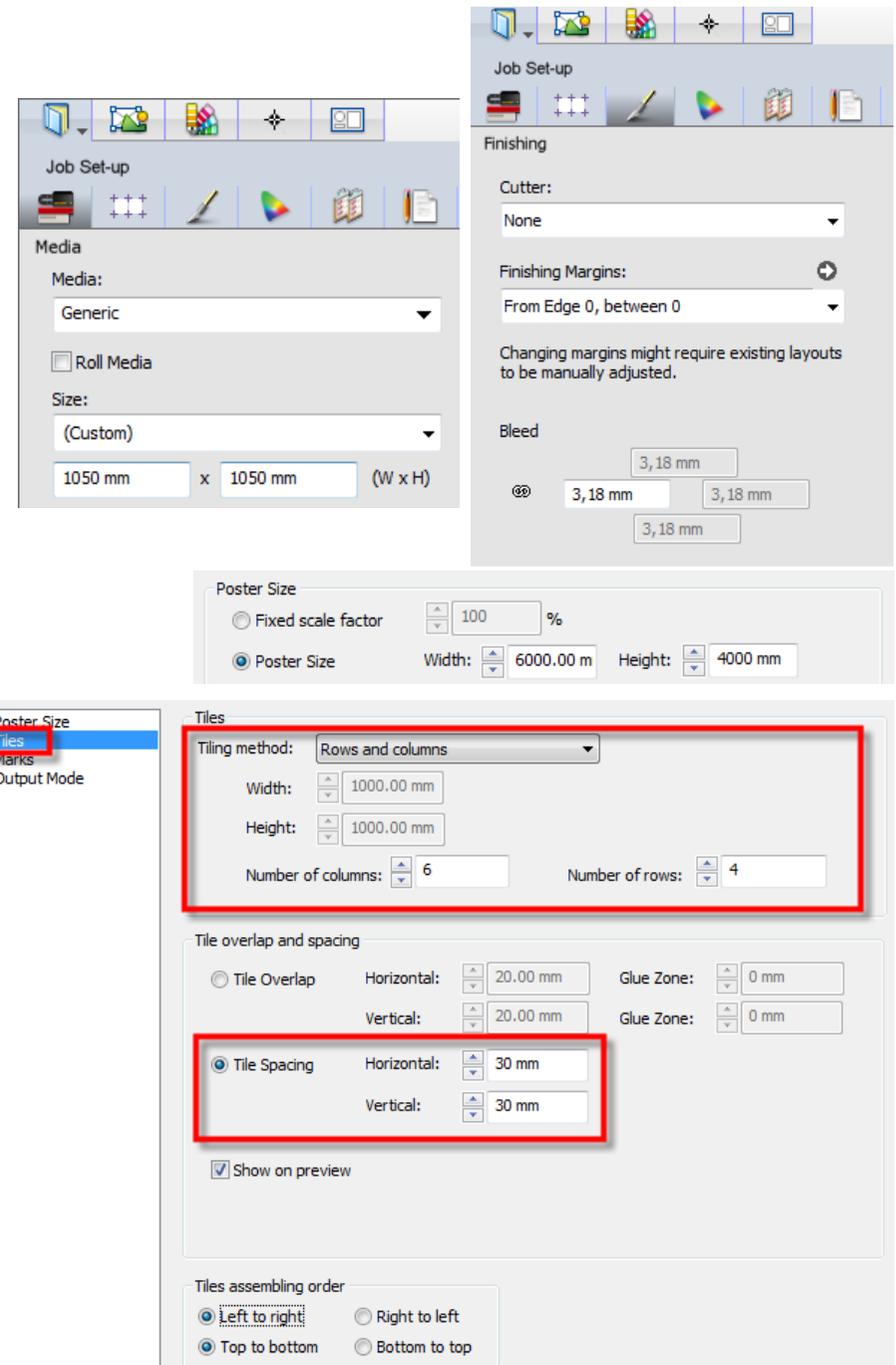
1. Go back to Acrobat and choose the “Tiling > Tiling setup...”
2. Select “Tiles” in the left pane.
3. Enter the value 75 mm for horizontal and vertical glue zone.
4. Close the tiling window by clicking the “x” button.
5. Now you can generate the tiles in Acrobat: choose “Tiling > Generate tiles” or by clicking the “Generate tiles” icon in “Apogee Tiling” tool.
6. Browse to the “Tiled PDFs” folder and open the generated PDF file. Preview the individual tiles. Compare the file with the file of the previous exercise to see the difference between the file without glue zone and the file with glue zone. (The glue zone does not contain image)
7. Close Acrobat.



#### 4. Using a fixed amount of tiles (Rows and columns)

We will create a poster of 6 x 4 m, composed of a fixed number of tiles.

1. Open the Asanti client.
2. Start a new layout job and set the media size in the Inspector panel to 1050 x 1050 mm.
3. Select the Finishing options and set Cutter to 'None' and the finishing margins to 'From Edge 0, between 0'. Set the bleed value to 3,18 mm.
4. Add Disco\_ball\_600x400.jpg to the image panel.
5. Context-click the image and select "Edit Externally > Normalized PDF".
6. The PDF is opened in Adobe Acrobat.
7. Choose the "Tiling > Tiling setup..."
8. Select "Poster Size" in the left pane.
9. Select "Poster Size" in the right pane and enter the value 6000 mm for width and 4000 mm for height.
10. Select "Tiles" in the left pane.
11. Set tiling method to "Rows and columns".
12. Set the number of columns to 6 and the number of rows to 4.
13. Select the "Tile Spacing" radio button.
14. Set the values for horizontal and vertical spacing to 30 mm.
15. Leave the tiles assembling order as is.



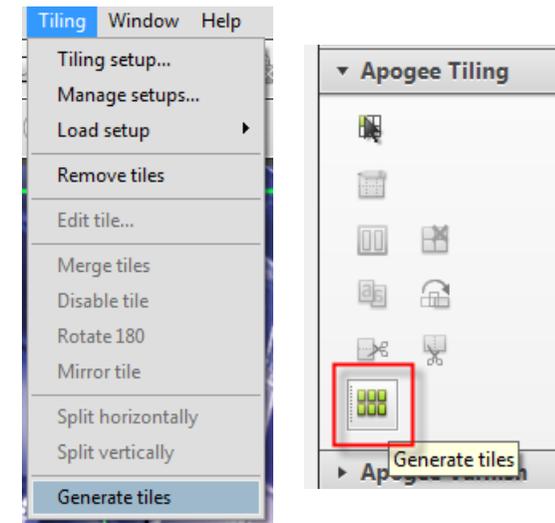
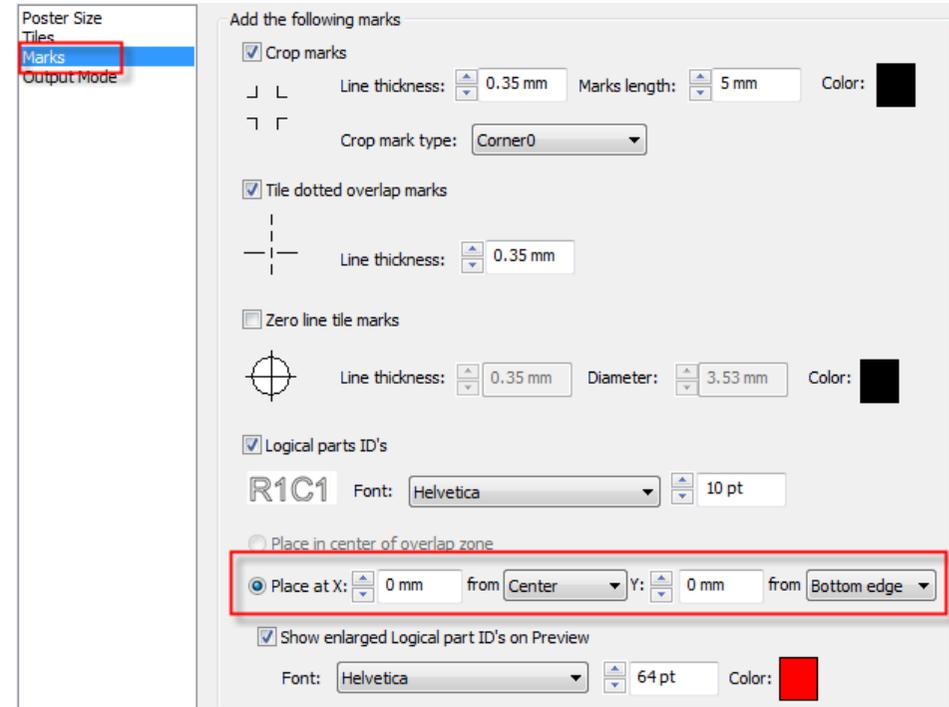
16. Select “Marks” in the left pane.
17. Keep the “Crop marks” enabled and the length set to 5mm.
18. The tile dotted overlap marks will not be created since there is no overlap defined.
19. The logical part ID’s cannot be placed in the center of the overlap zone. Therefore we need to specify where the mark will be placed. Set the value X to 0 mm from Center and the value for Y to 0 mm from Bottom edge.

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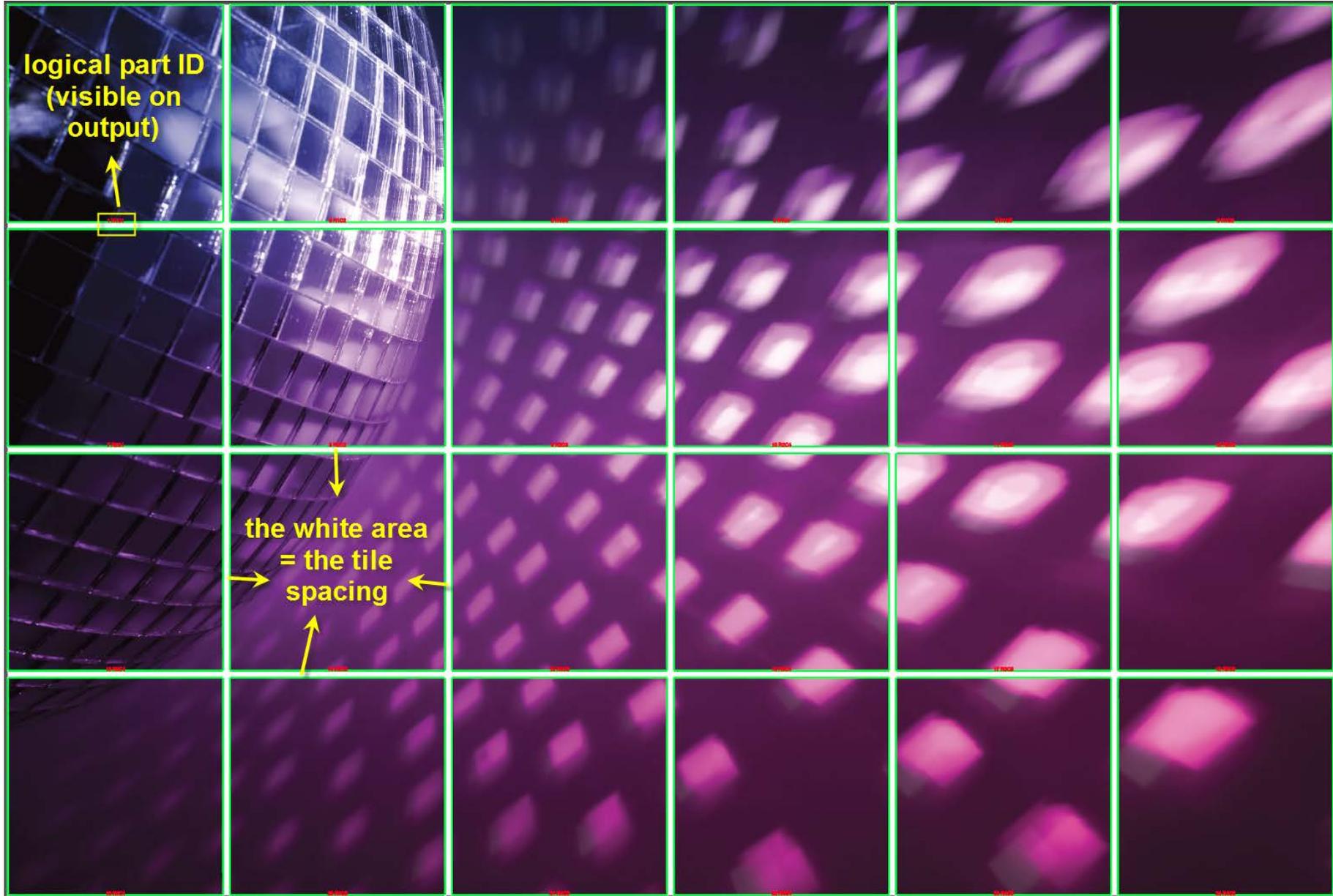
*Note: The logical part ID’s marks will be printed in the image and will be visible.*

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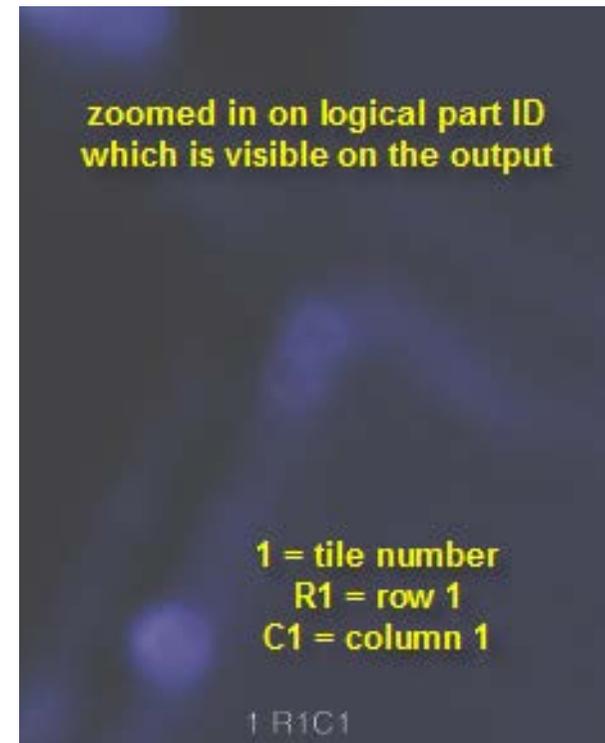
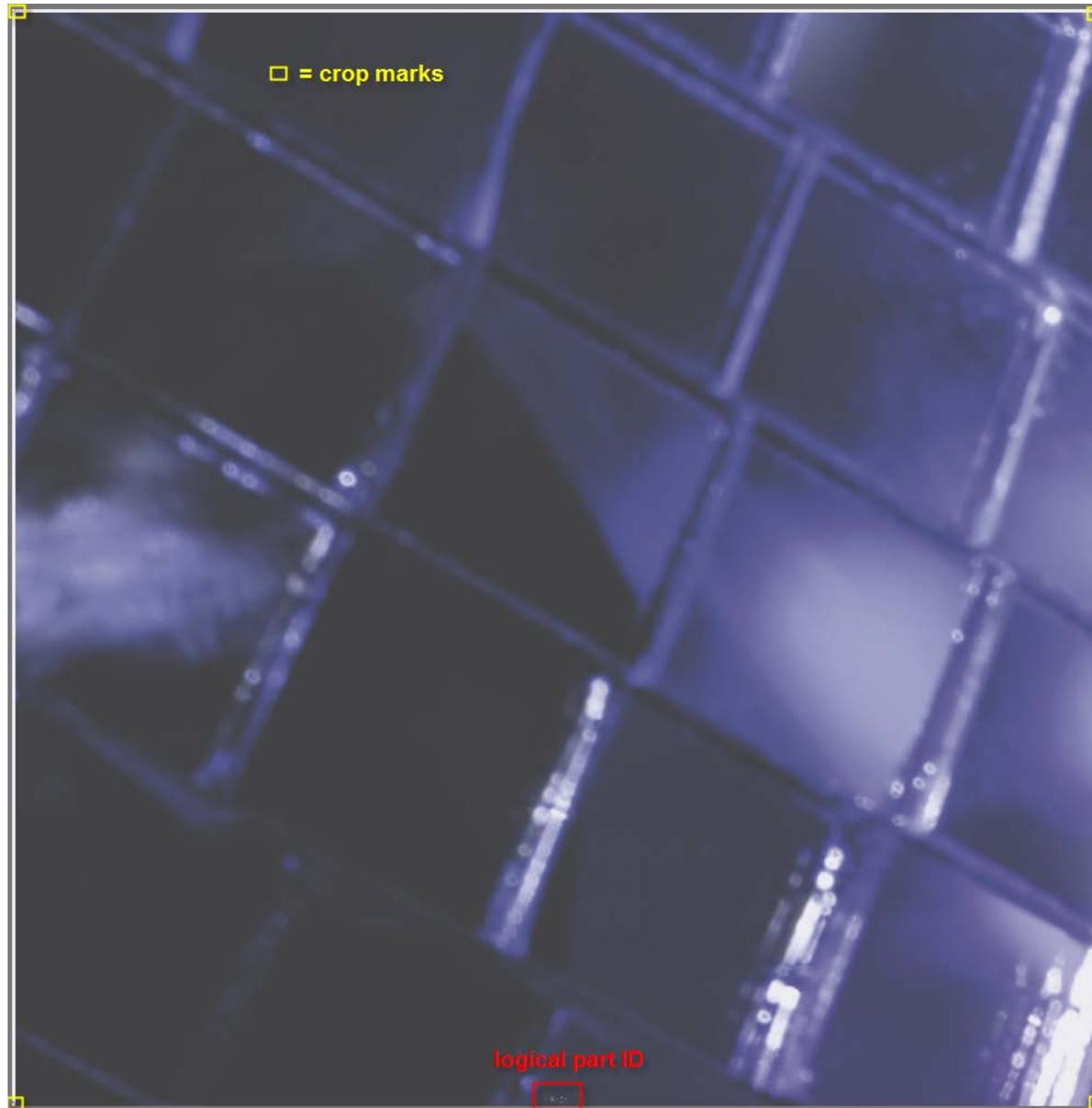
20. Close the tiling window by clicking the “x” button.
21. Now you can generate the tiles in Acrobat: choose “Tiling > Generate tiles” or by clicking the “Generate tiles” icon in “Apogee Tiling” Tool.
22. Browse to the “Tiled PDFs” folder and open the generated PDF file. Preview the individual tiles.
23. Close Acrobat.
24. Drag the tiled PDF to the images panel of the Layout Editor. The individual tiles/images can now be placed on the Sheet either by manual dragging or via Auto-Layout. For now we will only place the first page of the tiled pdf on the Sheet.
25. Click ‘Submit job’ and select ‘Make and hold’.
26. Click ‘Submit’.



Preview in Acrobat



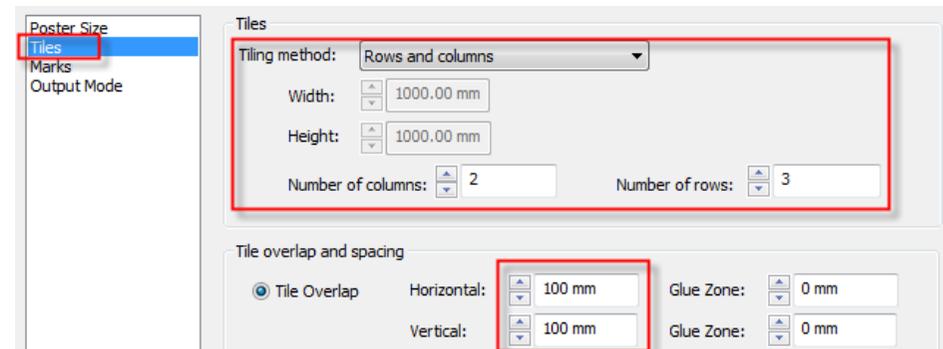
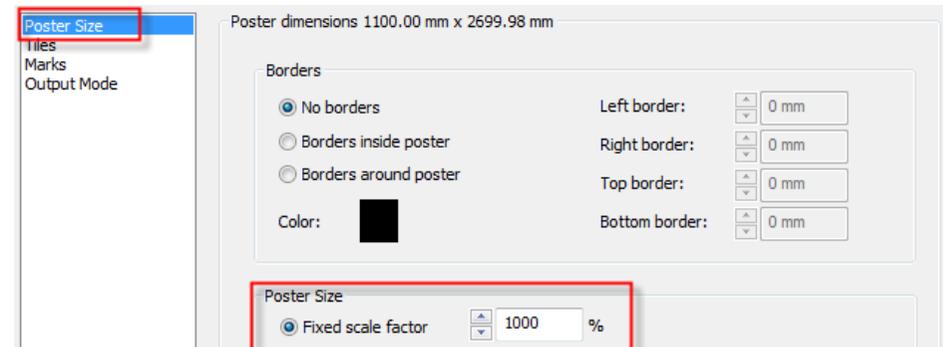
*Raster Preview of layout 1 in Asanti*



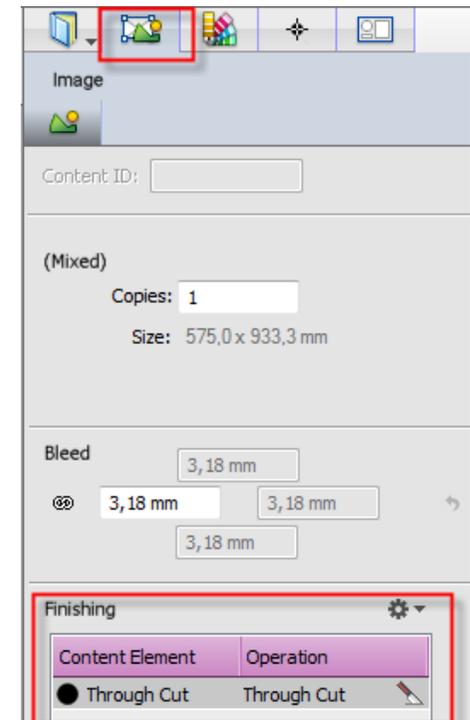
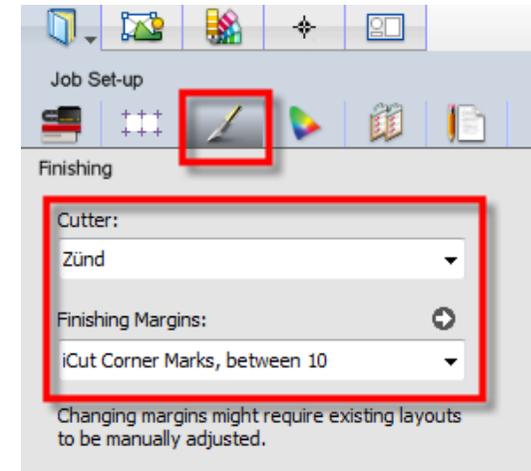
## 5. Tiling files with cut paths.

We will create a poster, composed of a fix number of tiles.

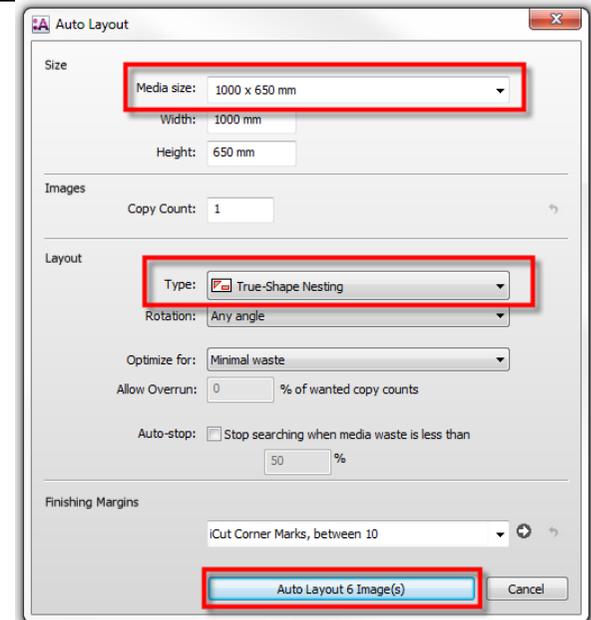
1. Open the Asanti client.
2. Start a new layout job.
3. Add Do Not Disturb.pdf to the image panel.
4. Context-click the image and select “Edit Externally > Normalized PDF”.
5. The PDF is opened in Adobe Acrobat.
  
6. Choose the “Tiling > Tiling setup...”
7. Select “Poster Size” in the left pane.
8. Set the fixed scale factor to 1000%.
  
9. Select “Tiles” in the left pane.
10. Set tiling method to “Rows and columns”.
11. Set the number of columns to 2 and the number of rows to 3.
12. Enter the value 100 mm for horizontal and vertical tile overlap.
13. Leave the tile assembling order as is.
  
14. Close the tiling window by clicking the “x” button.
  
15. Now you can generate the tiles in Acrobat: choose “Tiling > Generate tiles” or by clicking the “Generate tiles” icon in “Apogee Tiling” Tool.



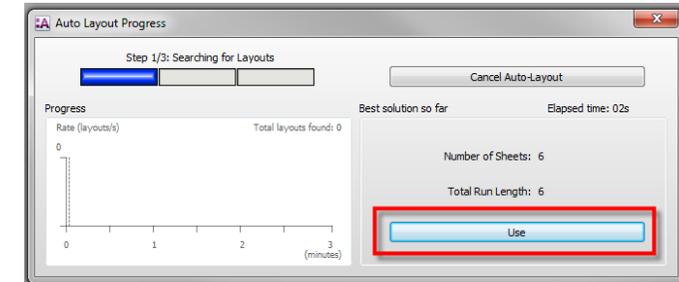
16. Browse to the “Tiled PDFs” folder and open the generated PDF file. Preview the individual tiles.
17. Close Acrobat.
  
18. Drag the tiled PDF to the images panel of the Layout Editor.
  
19. Select the Finishing options in the job set-up, and select the Zünd cutter and set the finishing margins to ‘iCut Corner Marks, between 10’.
  
20. Select all images. Select an image and click (Ctrl + A).
21. Select the Image Inspector and check that the content element ‘Through Cut’ is set to the Finishing Operation ‘Through Cut’.



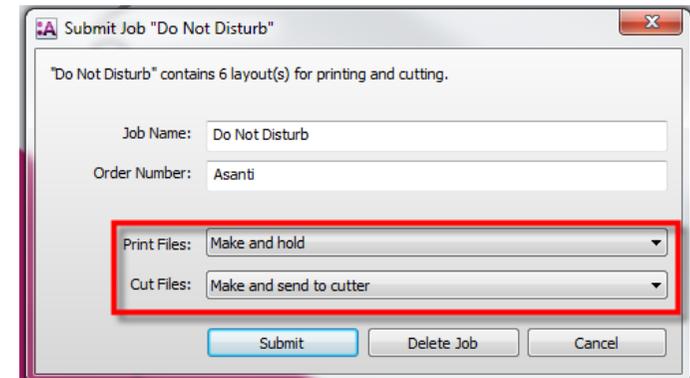
- 22. Select all images and Ctrl + click the original image to deselect it.
- 23. Click Ctrl + N to place the tiles via Auto Layout.
- 24. Set the media size to 1000 x 650 mm, set the type to True-Shape Nesting and click Auto Layout 6 Image(s).



- 25. Click 'Use' in the Auto Layout Progress.
- 26. The files are placed on the sheets.

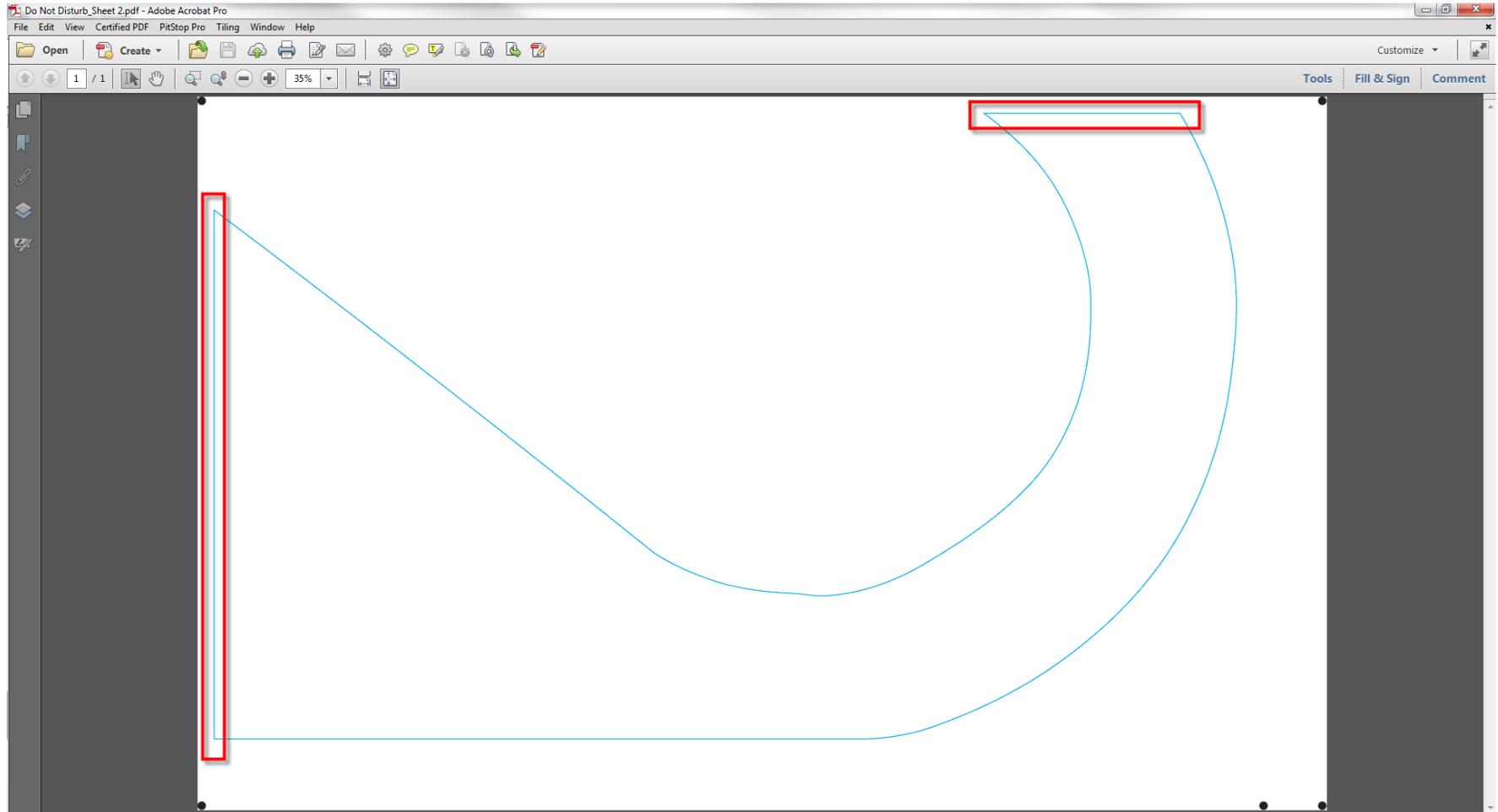


- 27. Click 'Submit job'. Select 'Make and hold' for Print Files and select 'Make and send to cutter' for Cut Files.
- 28. Click 'Submit'.



29. Open the exported cut files in Acrobat. By default these files are written to \\Asanti Server\FinishingRoot\Zünd\.

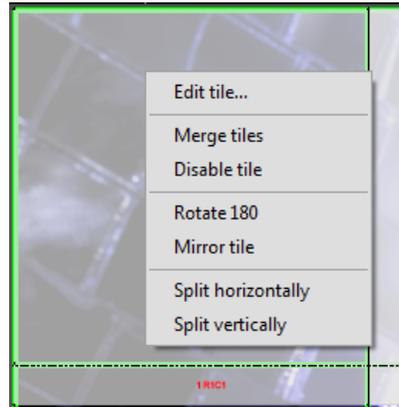
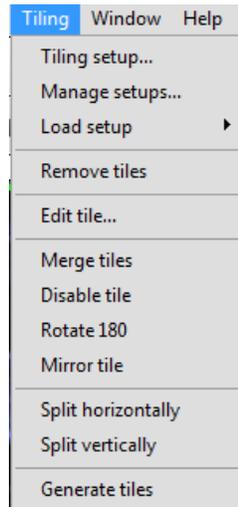
30. Check that the cut paths are closed at the sides of the tile.



## 6. Interactive editing

Besides the 'Fixed tile size' and 'Rows and columns' tiling methods, we also have the 'Interactive editing' method. This option can be selected by selecting the 'Interactive editing' tiling method in the Tiling Setup>Tiles dialog, or by clicking the 'Interactive Editing Tool' under Tools > Apogee Tiling.

When you are working in 'Interactive editing' mode, you can select one or more tiles and make specific changes to the tile(s). This can be done via the Tiling menu, the Apogee Tiling tools or by context-click on the tile(s).



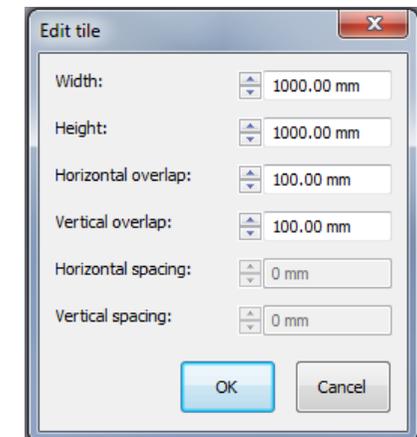
### 1. Edit tile

You can enter the width and height and it is possible to specify the overlap or spacing.

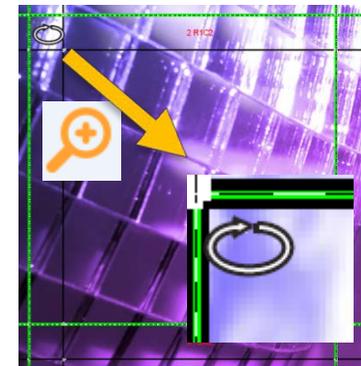
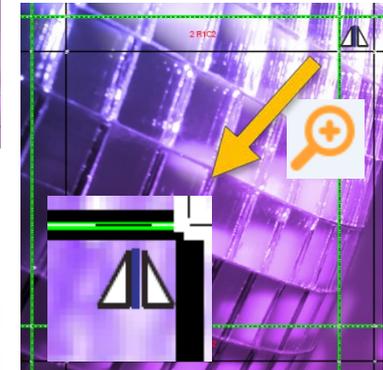
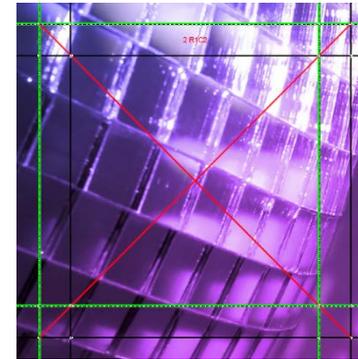
### 2. Merge tiles

This option can only be selected when 2 or more adjacent tiles (either horizontal or vertical) are selected (CTRL + click to select multiple tiles).

You can merge the tiles together if they form a single rectangular region.



3. Disable tile  
When a part of the poster does not need to be printed, you can disable the tile. A red cross is shown on the Preview in Acrobat and the tile will not be included in the generated PDF.
4. Mirror tile  
You can mirror a tile. You will not see this on the Preview in Acrobat, but an icon will be displayed in the upper right corner of the tile. Mirroring is useful when a tile has to be glued on the inside of a window for example, while the other tiles can be attached to an outside wall.
5. Rotate 180  
You can rotate a tile 180 degrees. This will not be shown on the Preview in Acrobat but a rotation icon will be displayed in the upper left corner of the tile. Rotating can be useful when the joining colors need to match exactly and the printer does not print uniform colors across its page.
6. Split tile horizontally  
With this option you can split a tile horizontally in 2 equal parts. The new tiles each use the same amount of overlap or spacing as the original tile. If the tile you are starting from is smaller than 2 overlap or spacing areas, the split cannot be executed and you will not have the possibility to split the tile.
7. Split tile vertically  
With this option you can split a tile vertically in 2 equal parts. The new tiles each use the same amount of overlap or spacing as the original tile. If the tile you are starting from is smaller than 2 overlap or spacing areas, the split cannot be executed and you will not have the possibility to split the tile.



## 7. Known issues

- The tiling plug-in is only available for Acrobat X & XI Professional on Windows.
- When you enable the 'ap\_Cleanup not used objects' action list in the Preflight inspector, the job might render faster. Do not leave this action list on for other jobs.
- When generating tiles from a PDF file that contains multiple layers, of which some layers are disabled, the tiling plug-in enables the layers again. This gives an incorrectly tiled PDF. (APR-69033).
- It is not possible to create overlap on both sides of a tile (APR-67520).