caesarstone® | **PORCELAIN**

Vein & Pattern *Guide*

Introduction

We have created this guide to assist you in creating optimal pattern continuity in the design and fabrication of countertops, backsplashes and drop-down ends. Here you will see full slab layout images of each model with our suggested pattern continuity visual.

Caesarstone slabs are available in large sizes. This means that in the vast majority of designed applications no horizontal surface-to-surface butt joins are required.

Where continuity is required, we invite you to use these design layout images as a guide to optimal pattern continuity.

Please note that the instructions in the Caesarstone Fabrication & Installation Guides should be followed at all stages.

Porcelain Fabrication & Installation Guide

The information and recommendations set forth herein are based on our professional knowledge, experience, and the most common cases recorded while working with Porcelain slabs, and are intended for inspiration and use by persons with expertise, professional experience and technical skills, at their own discretion, and subject to their personal and exclusive responsibility. No guarantee or warranty of any kind, express or implied, is made of merchantability, fitness for a particular purpose, or otherwise.

Design considerations

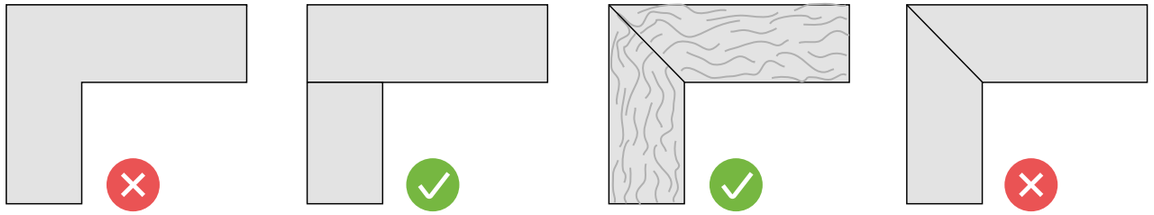
Every designed application with Caesarstone slabs has a unique combination of layout, kitchen size and aesthetic considerations. Note that the pattern continuity visuals suggested in this guide are conceptual and not according to dimension.

We recommend that planning pattern continuity for each project be based on but not limited to the following:

- Overall project size
- Consider countertop, backsplash and drop-down end requirements
- Maximise slab usage and minimise offcuts
- The relative strength or subtlety of a vein or pattern structure in the selected Caesarstone colour
- Consider how to best utilise the slab size during design, taking into account any desired pattern direction alignment
- Prior to cutting any slabs ensure that all components reflect the design layout
- Consider the colour and tonality of the slab design to ensure the best final appearance when joins are required
- For applications requiring joins and pattern continuity, we recommend purchasing all slabs at the same time for matching as it may not be possible to batch match slabs bought separately

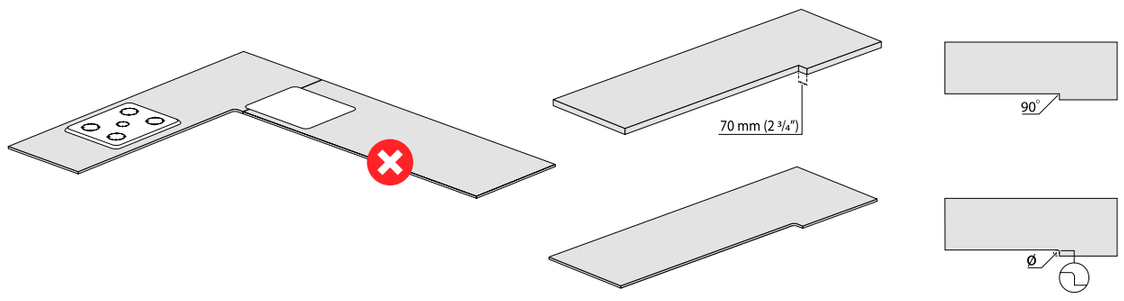
Planning Joins in Porcelain Countertops

As a general rule, when there is a change of direction in the slab make only straight joins, not diagonal or rounded joins. Use diagonal joins only when necessary for continuation of veins or a pattern in the slab.



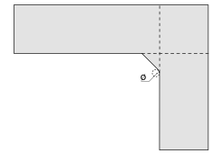
A rounded corner may be fabricated in a single thickness slab where there is a corner/niche no greater than 70mm, **and it is not connected to another slab**.

A 90° corner may be created if the slab has a mitre edge profile.

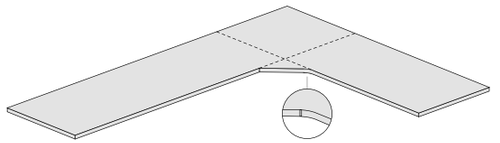


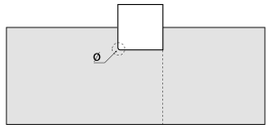
Source: Caesarstone Porcelain Fabrication and Installation Guide

In diagonal corner countertops a join must be created in one of the corners. If the countertop is single thickness, create a radius of at least 35mm in the other corner.

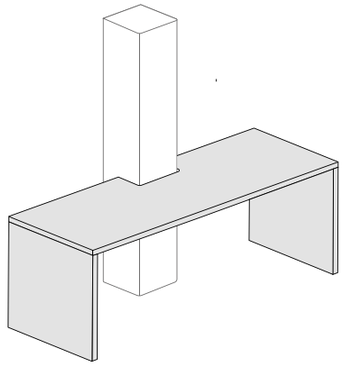


For indents from the edge of a slab, for example around a pillar: for slab lengths up to 1600mm, drill holes in the 2 corners; for slab lengths over 1600mm, drill a hole in one corner and create a straight join from the other.



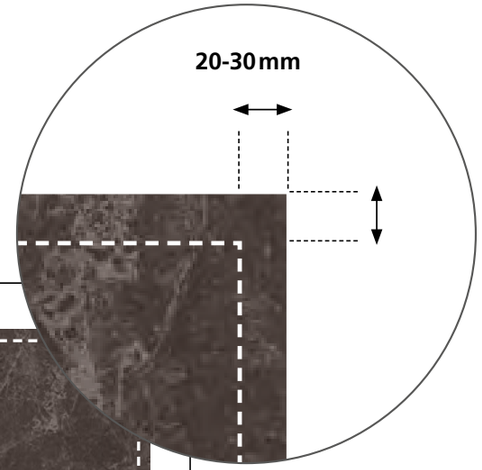


- When installing the countertop, fill the seams between the slabs with adhesive specifically for Porcelain that matches the countertop in colour, with properties suitable for the installation environment (indoors and outdoors).
- If the slabs are inconsistent in appearance, check the pieces to be joined in advance to achieve the best possible match.
- Clean each slab piece with clean water at the end of each fabrication stage before it dries.



514 Emprada | Releasing slab tension

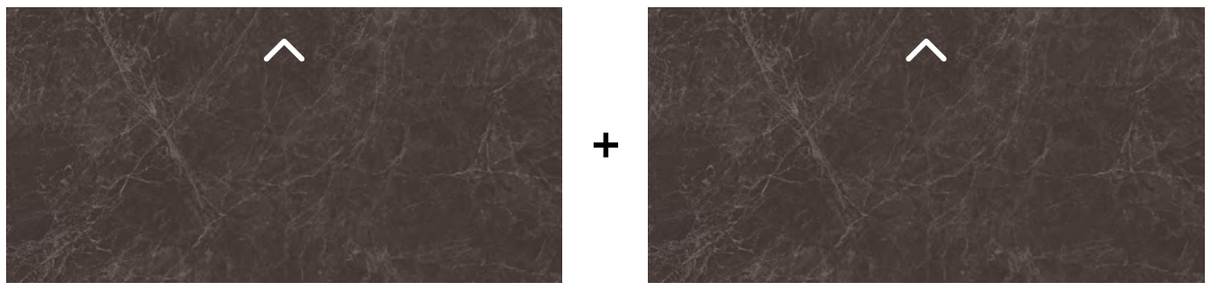
Full Slab



Reduce the 4 sides of the perimeter at a distance of 20-30 mm from the edges to release tension.

The useable slab size after releasing tension is 3160/3140 mm X 1560/1540 mm.

1.



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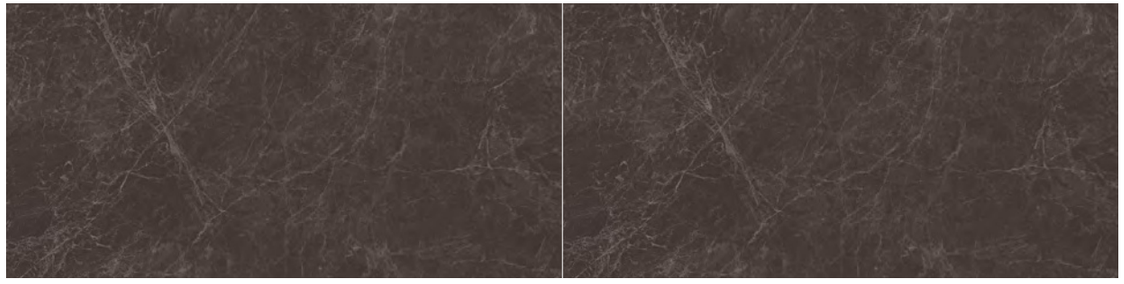
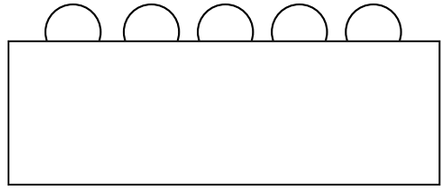
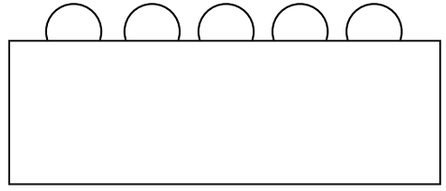
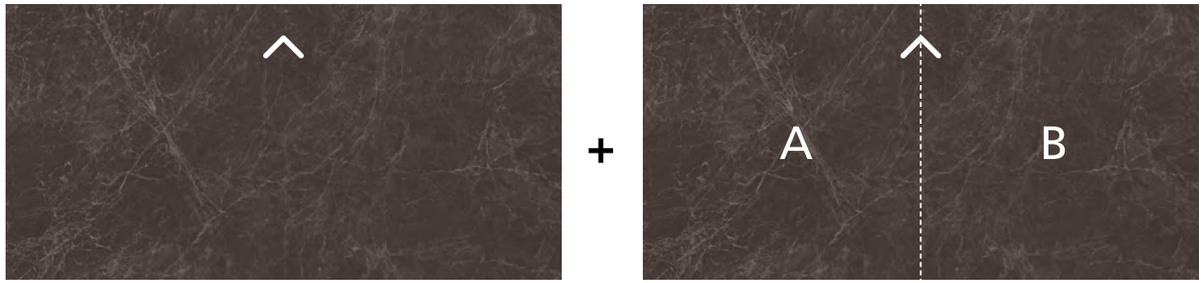


End result





1.



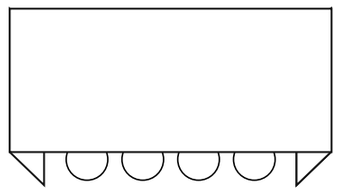
Cut the slab widthwise

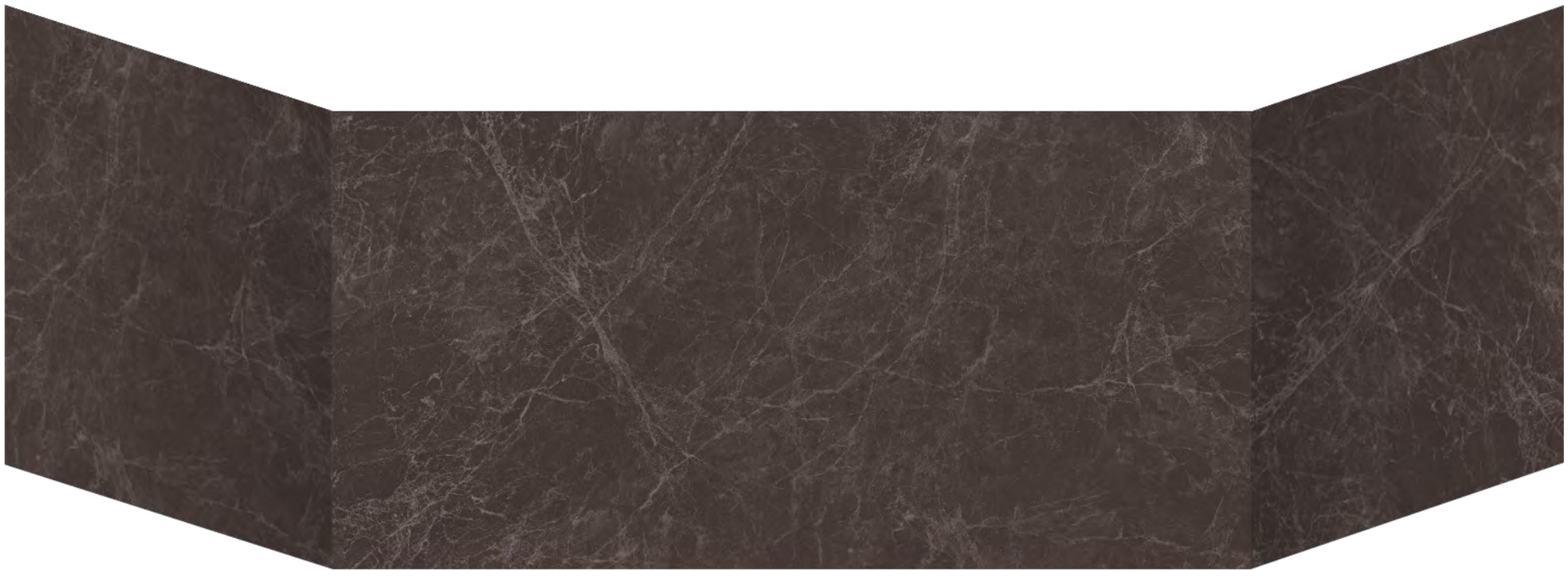
2.

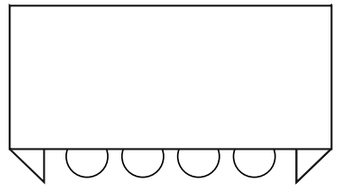
Rotate part A 90° and join parts A & B to the full slab

3.

End result

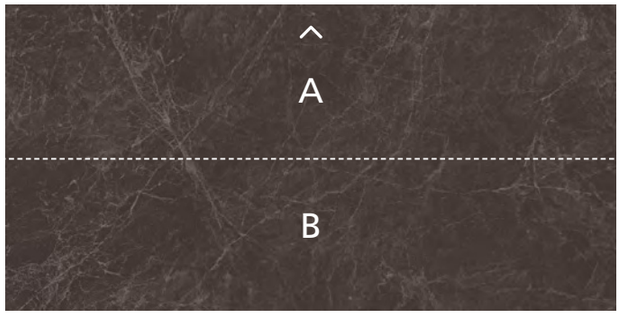






514 Emprada | Pattern continuity plan

1.



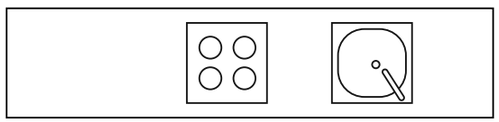
Cut the slab lengthwise

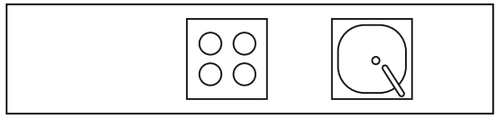
2.

Rotate part A 180°. Plan to join parts A & B for continuation of the main veins and remove the surplus.

3.

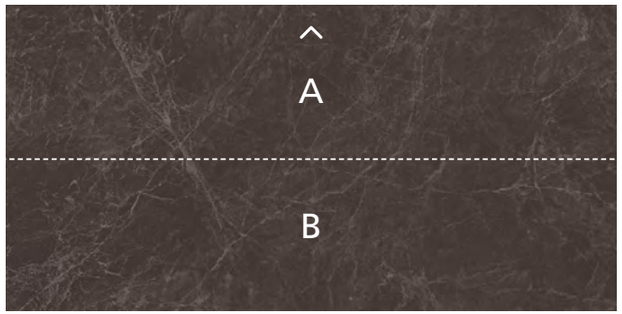
End result





514 Emprada | Pattern continuity L-shape

1.

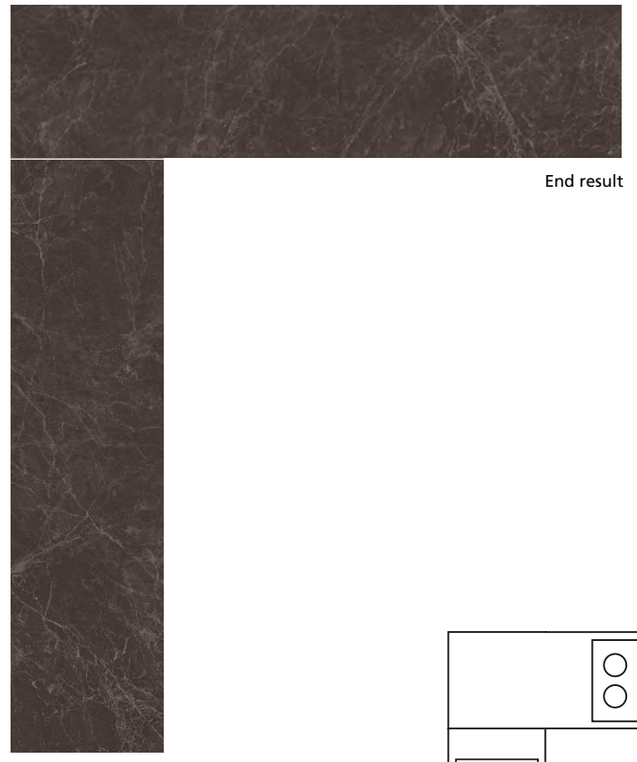


Cut the slab lengthwise

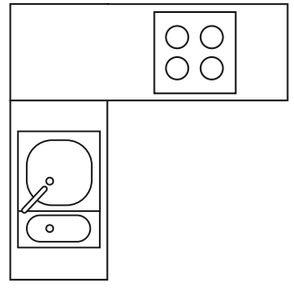
2.

Rotate part B (90°. Rotate part A 180°. Plan to join parts A & B for continuation of the main veins and remove the surplus.

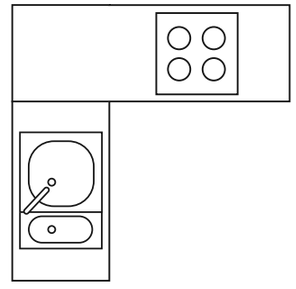
3.



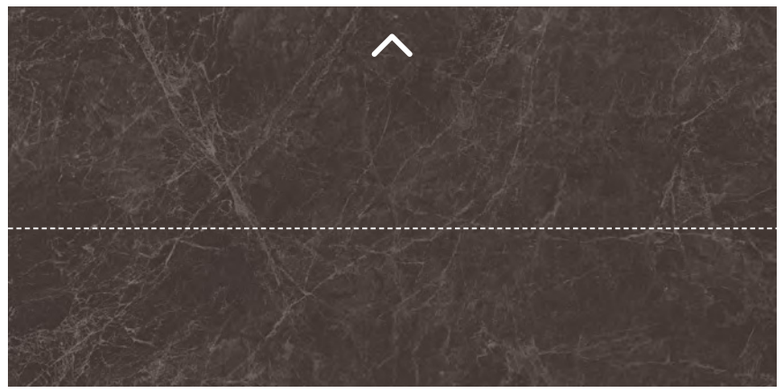
End result



514 Emprada | End result

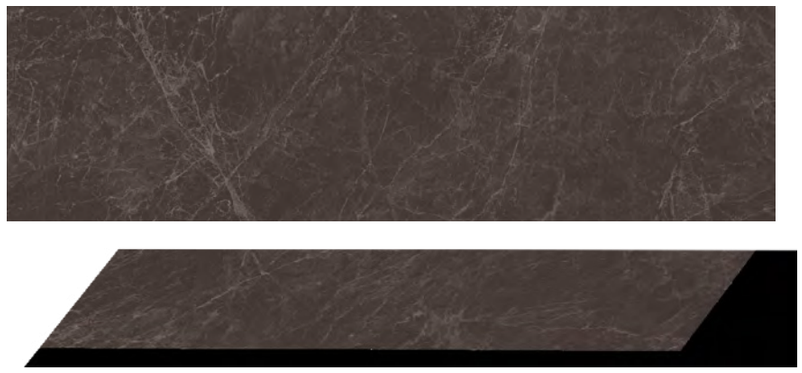


1.



Cut the slab lengthwise

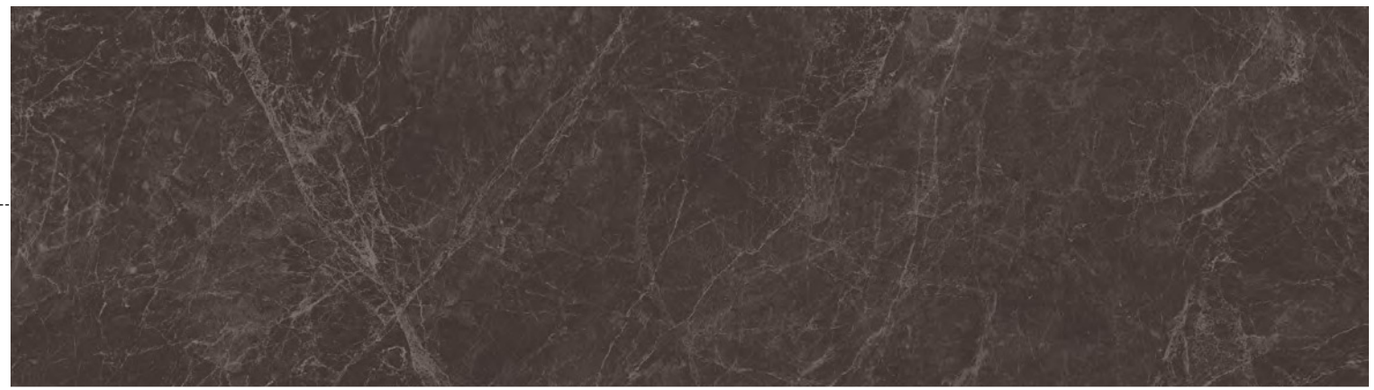
2.



End result

514 Emprada | End result

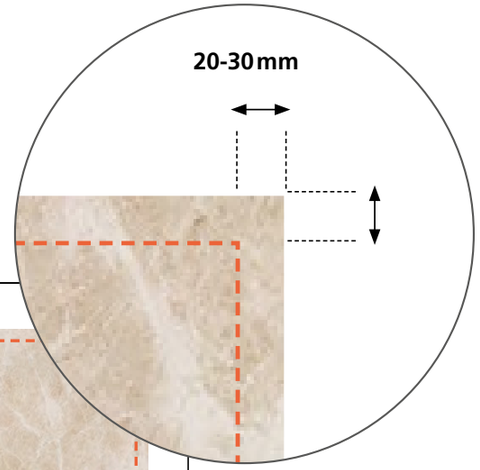
backsplash



countertop

580 Fume | Releasing slab tension

Full Slab



Reduce the 4 sides of the perimeter at a distance of 20-30 mm from the edges to release tension.

The useable slab size after releasing tension is 3160/3140 mm X 1560/1540 mm.

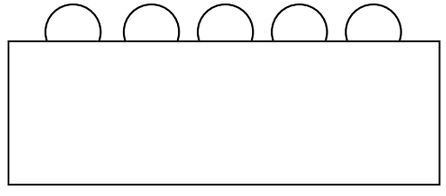
580 Fume | Pattern continuity plan

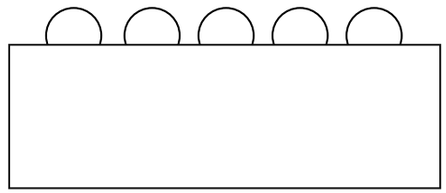
1.

Rotate one slab 180°

2.

End result





1.

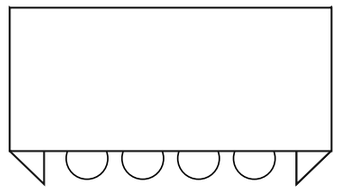
Cut one slab widthwise

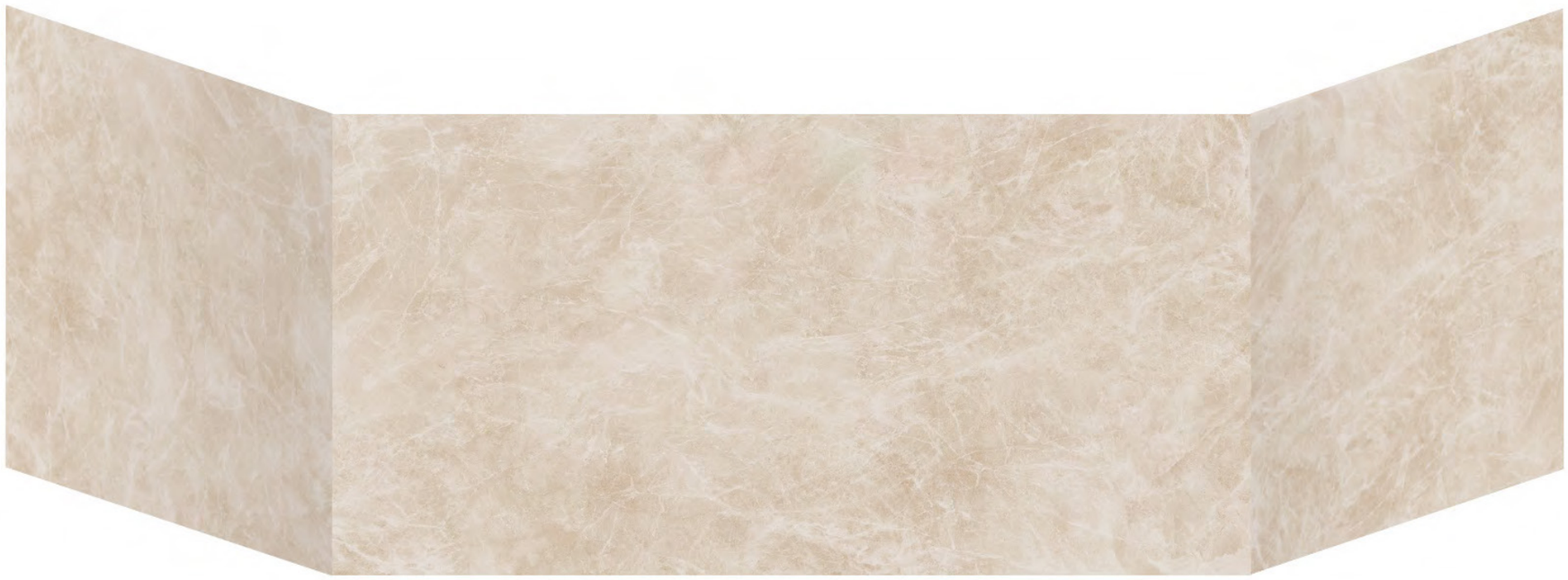
2.

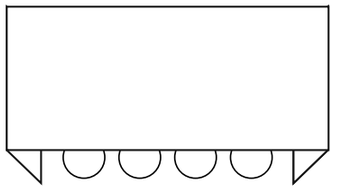
Rotate part A 90° and rotate part B 180°. Join parts A & B to the full slab.

3.

End result







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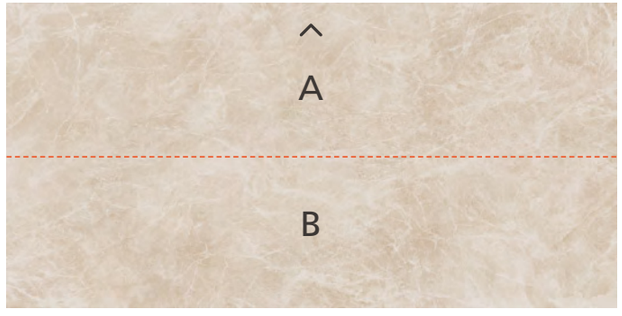
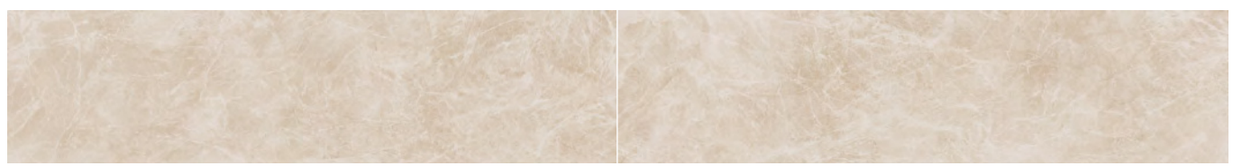


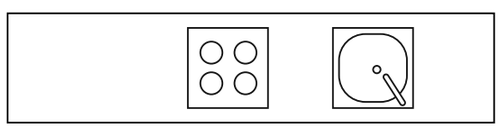
Cut the slab lengthwise

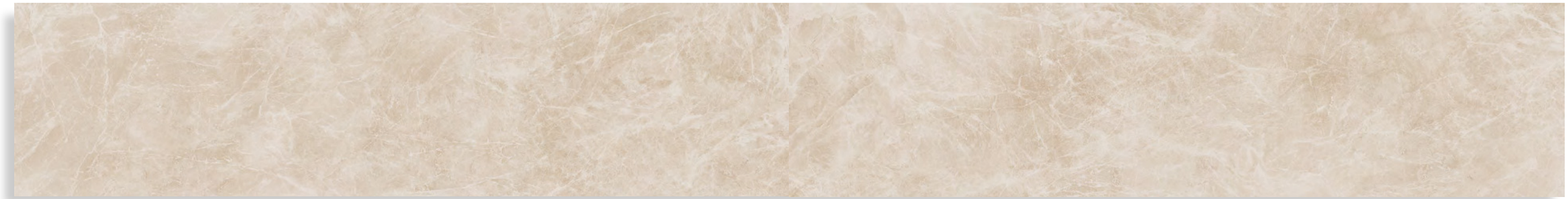
2.

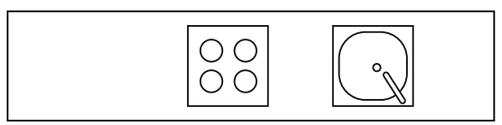
Rotate part B 180° and join parts A & B

3.

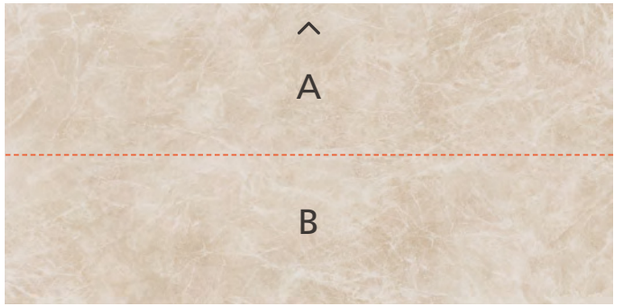






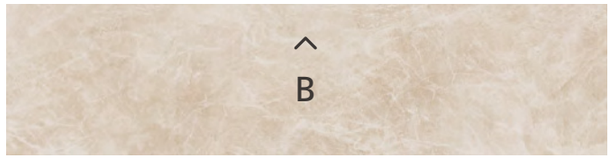


1.



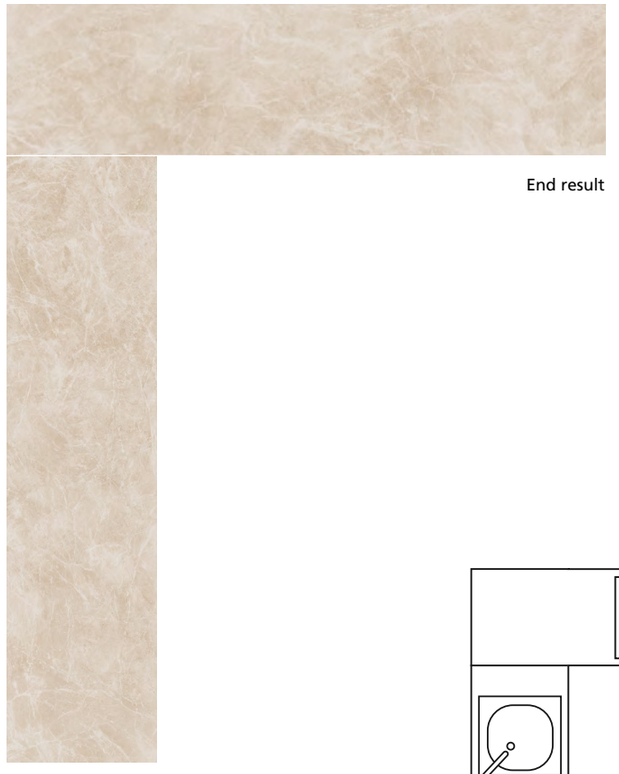
Cut the slab lengthwise

2.

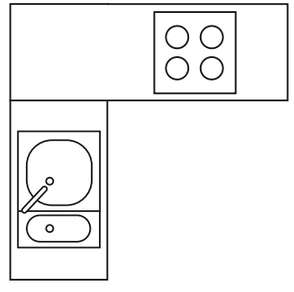


Rotate part A 90° and join parts A & B

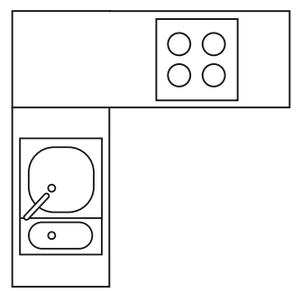
3.



End result



580 Fume | End result



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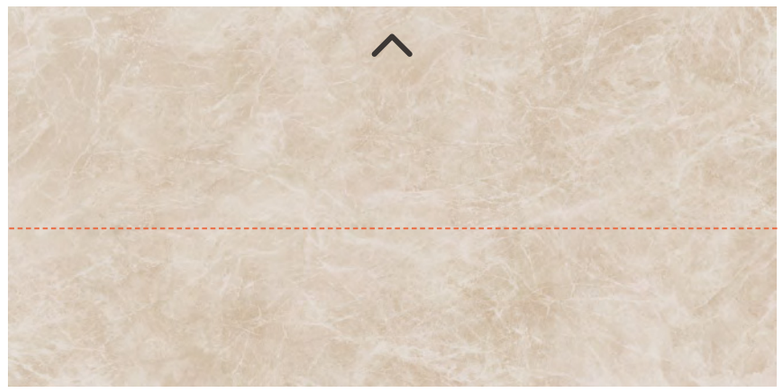


Cut the slab lengthwise

2.

End result

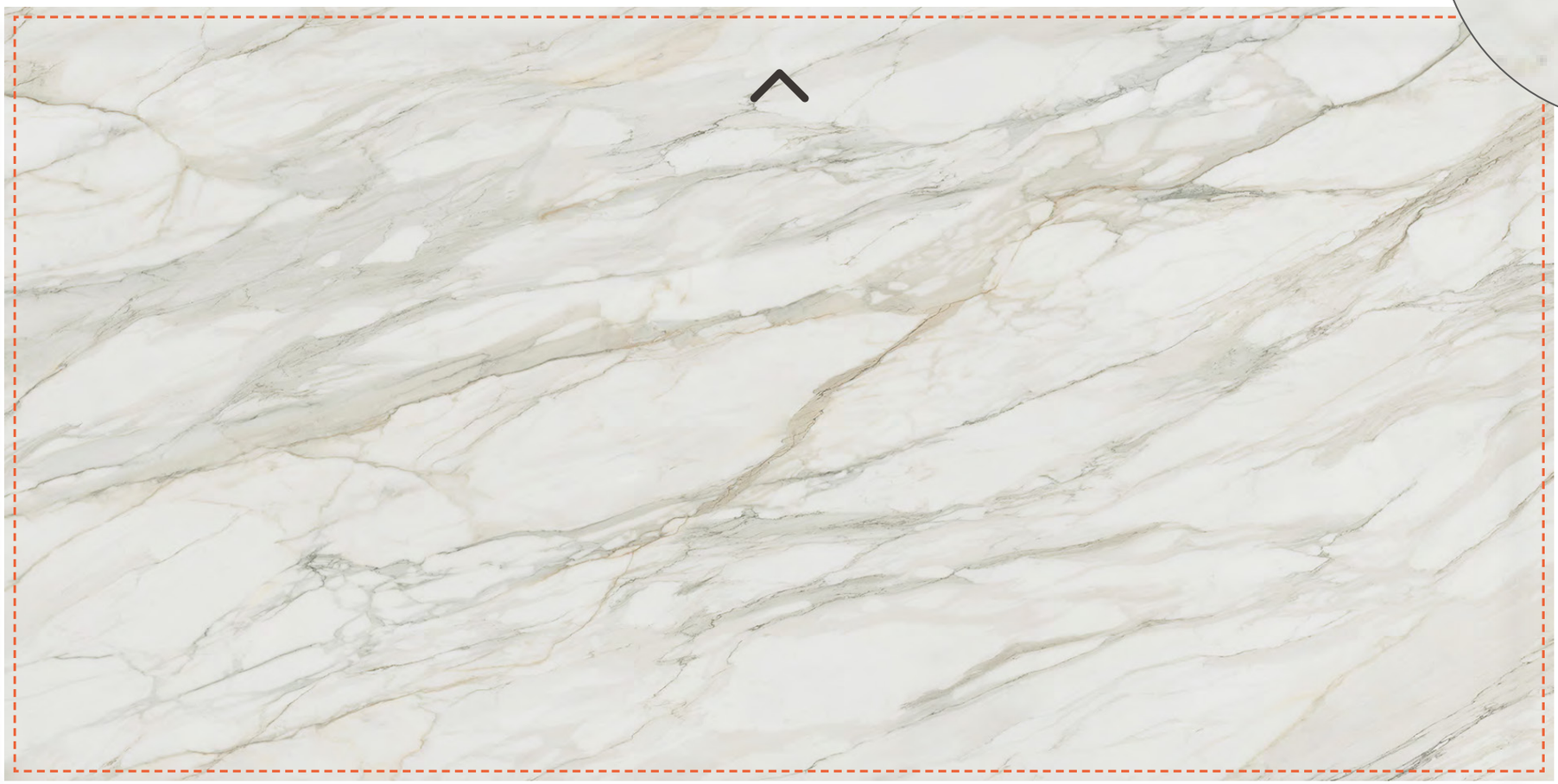
580 Fume | End result

backsplash

countertop

506 Mirabel | Releasing slab tension

Full Slab



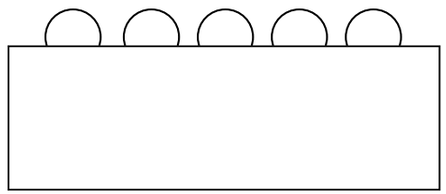
1.

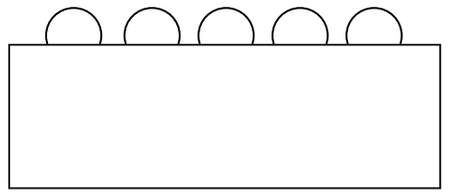
2.

Plan to join the two slabs for continuation of the main veins and remove the surplus

3.

End result





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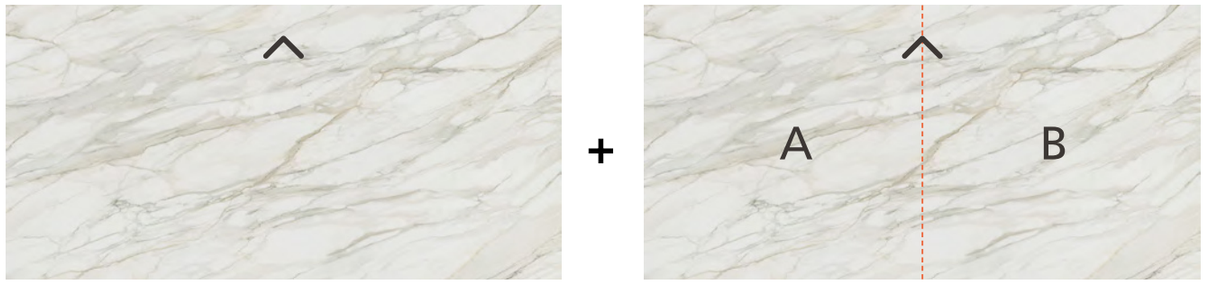


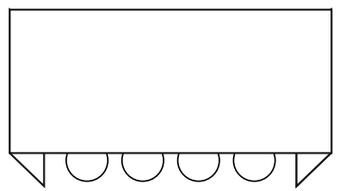
Cut one slab widthwise

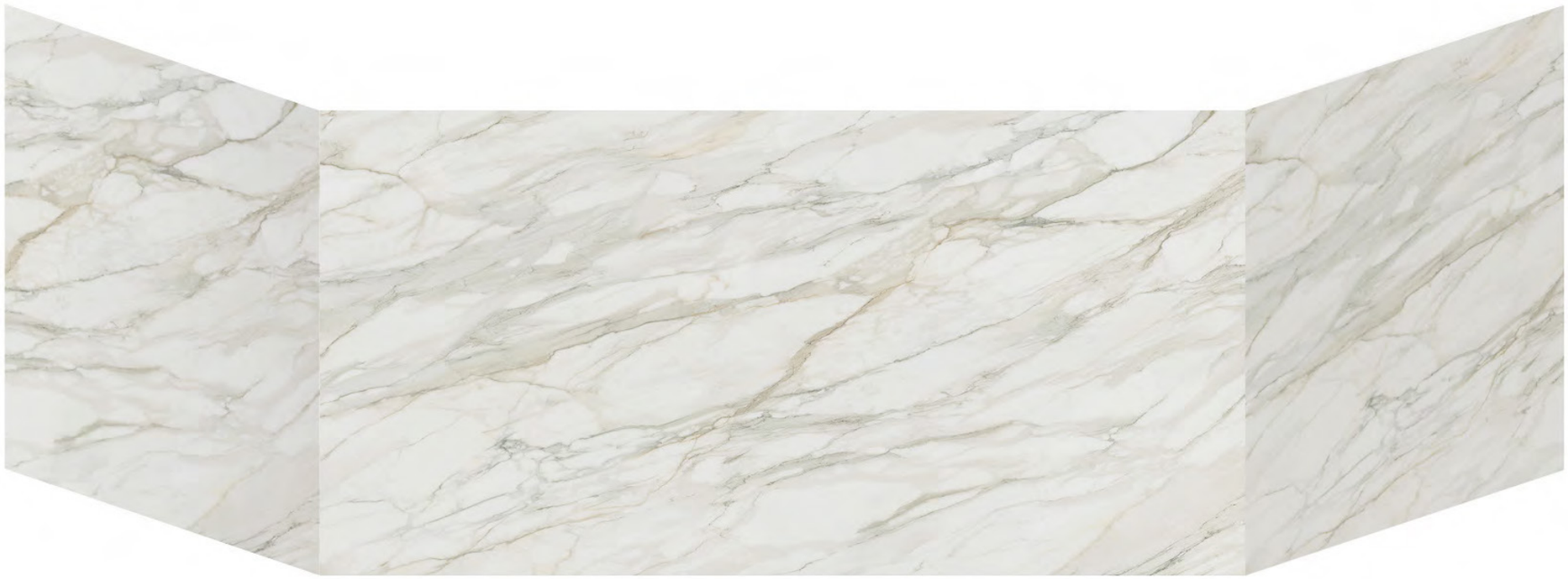
2.

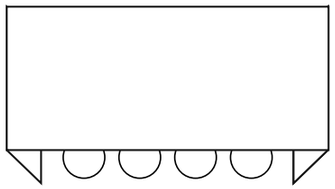
Join parts A & B to the full slab

3.

End result

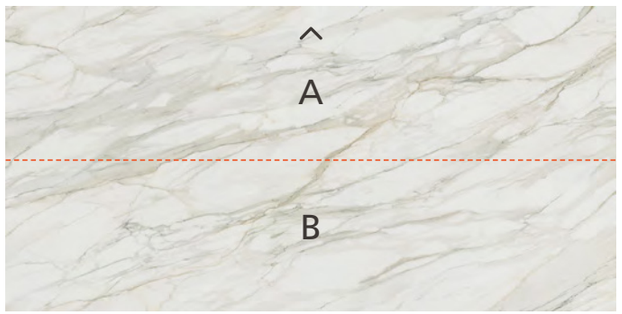






506 Mirabel | Pattern continuity plan

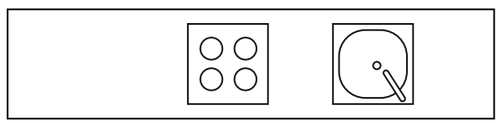
1.

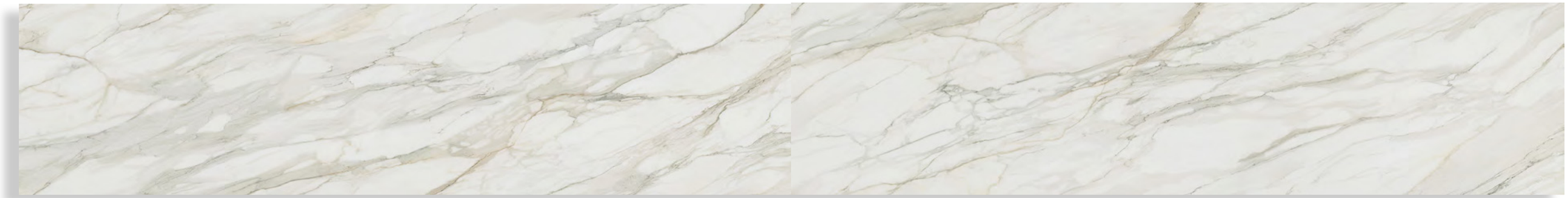


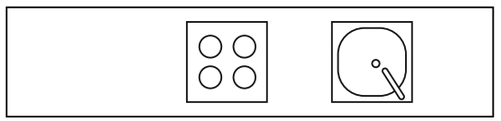
Cut the slab lengthwise

2.

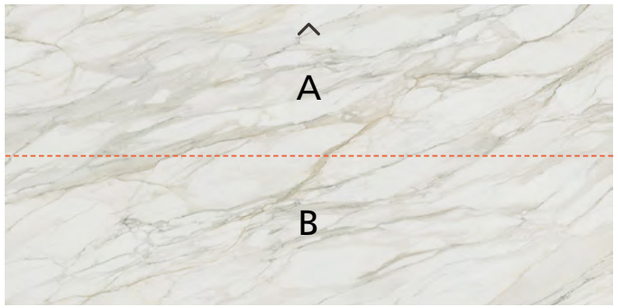
End result







1.

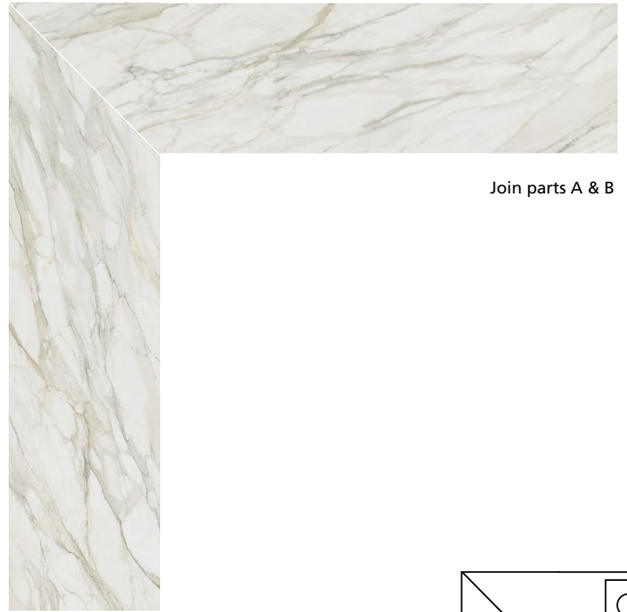


Cut the slab lengthwise

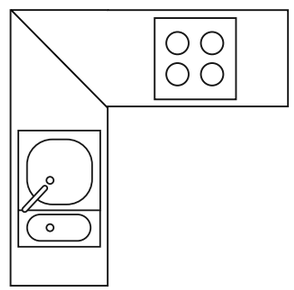
2.

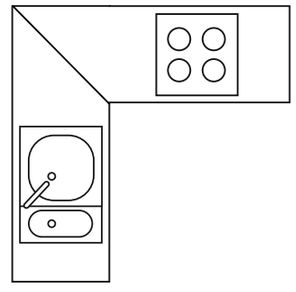
Rotate part A 90°. Plan to join parts A & B for pattern continuity and remove the surplus.

3.



Join parts A & B

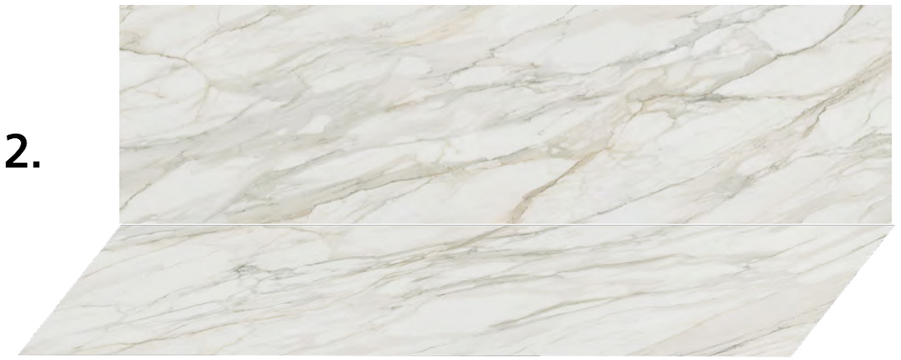




1.

Cut the slab lengthwise

2.



End result

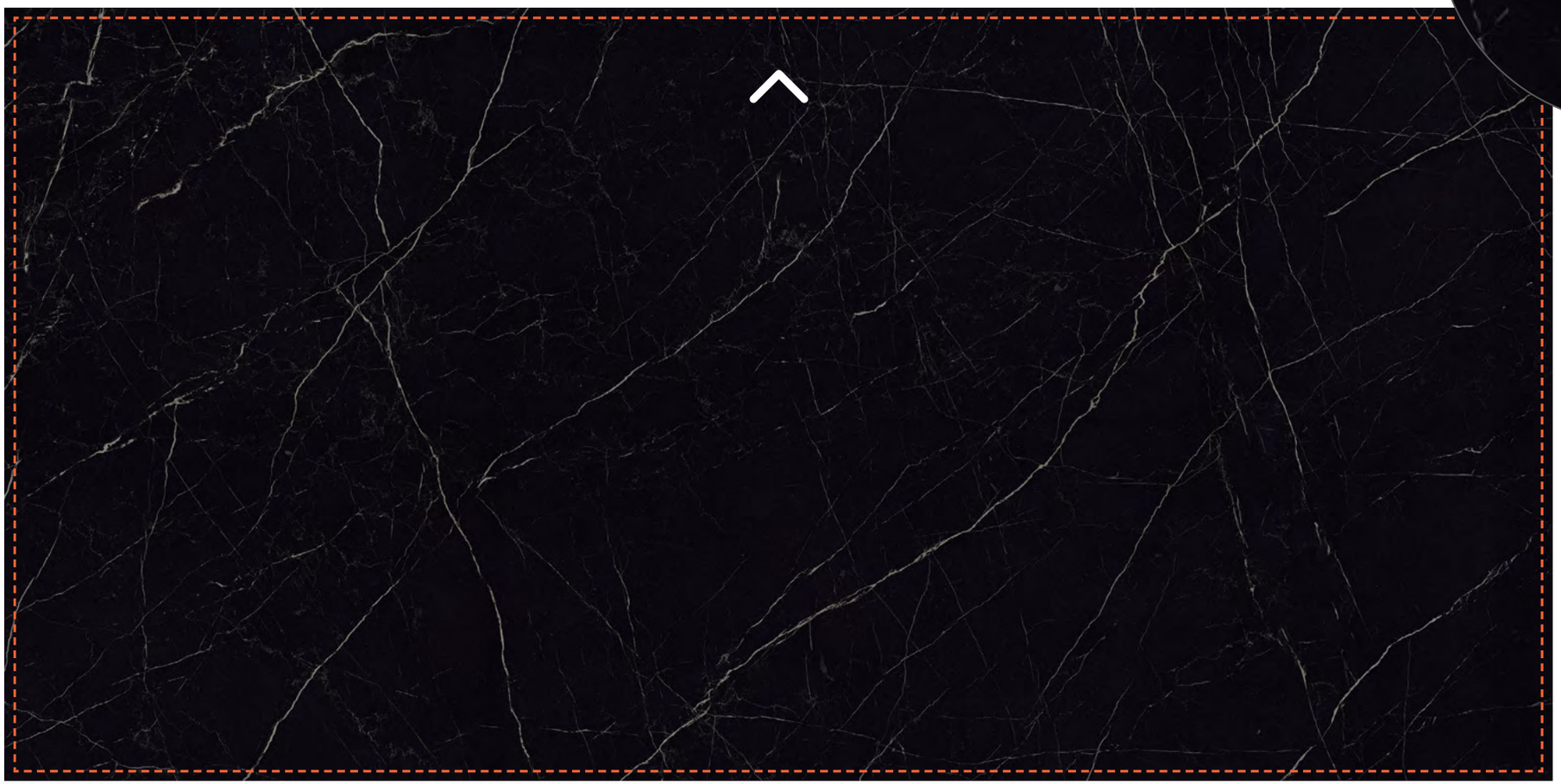
506 Mirabel | End result

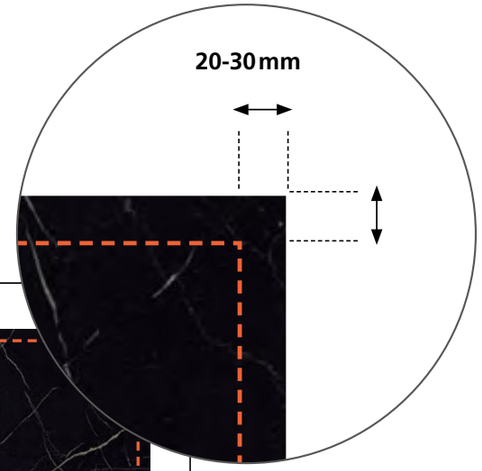
backsplash

countertop

511 Smokestone | Releasing slab tension

Full Slab





Reduce the 4 sides of the perimeter at a distance of 20-30 mm from the edges to release tension.

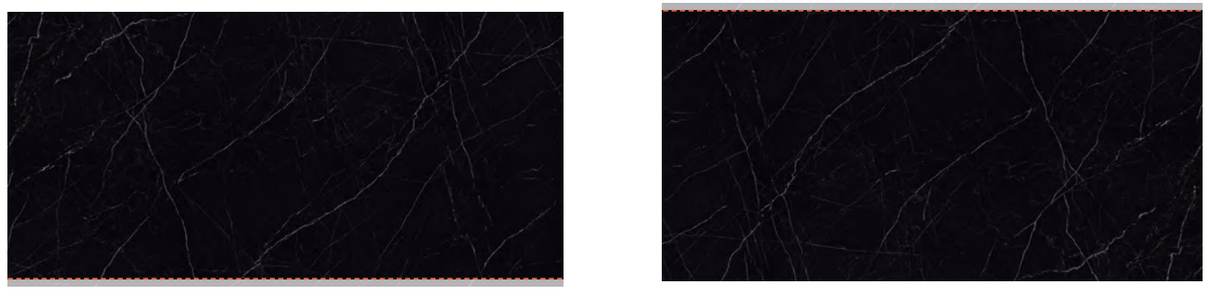
The useable slab size after releasing tension is 3160/3140 mm X 1560/1540 mm.

511 Smokestone | Pattern continuity plan

1.

Rotate one slab 180°

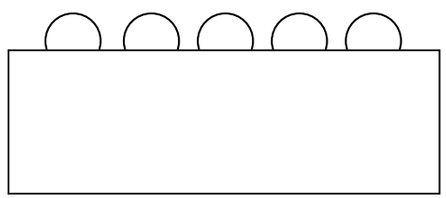
2.

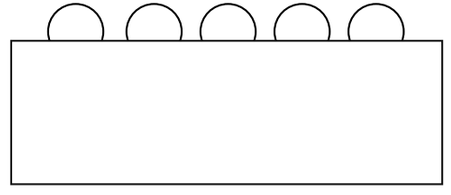


Plan to join parts A & B to the full slab for continuation of the main vein and remove the surplus

3.

End result





511 Smokestone | Pattern continuity plan

1.

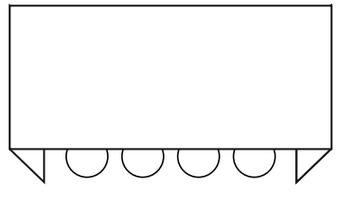
Cut the slab widthwise

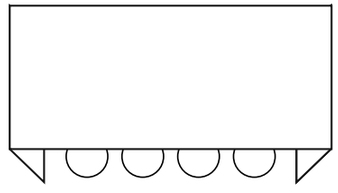
2.

Join parts A & B to the full slab

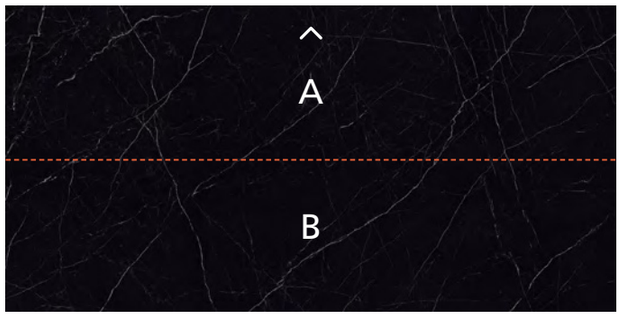
3.

End result





1.



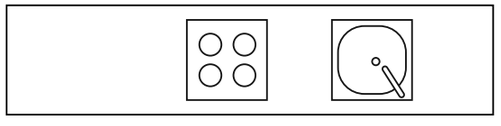
Cut the slab lengthwise

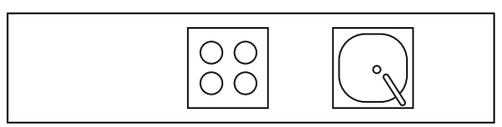
2.

Join parts A & B

3.

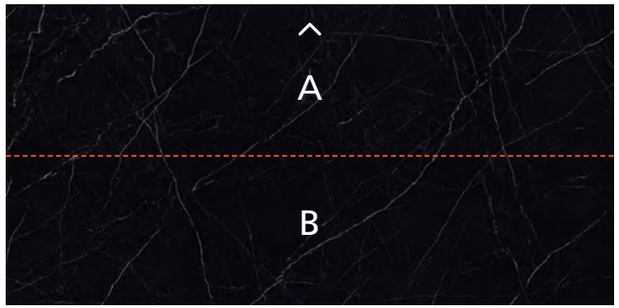
End result





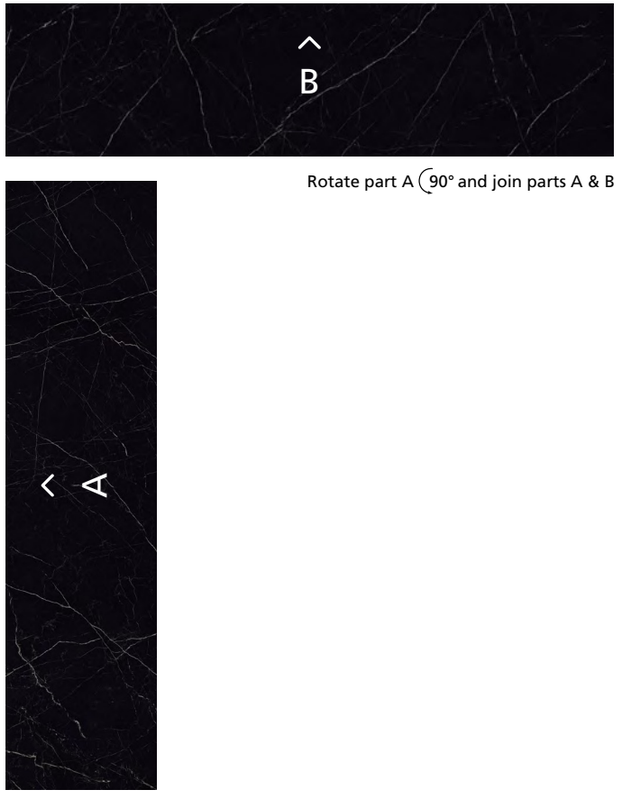
511 Smokestone | Pattern continuity L-shape

1.



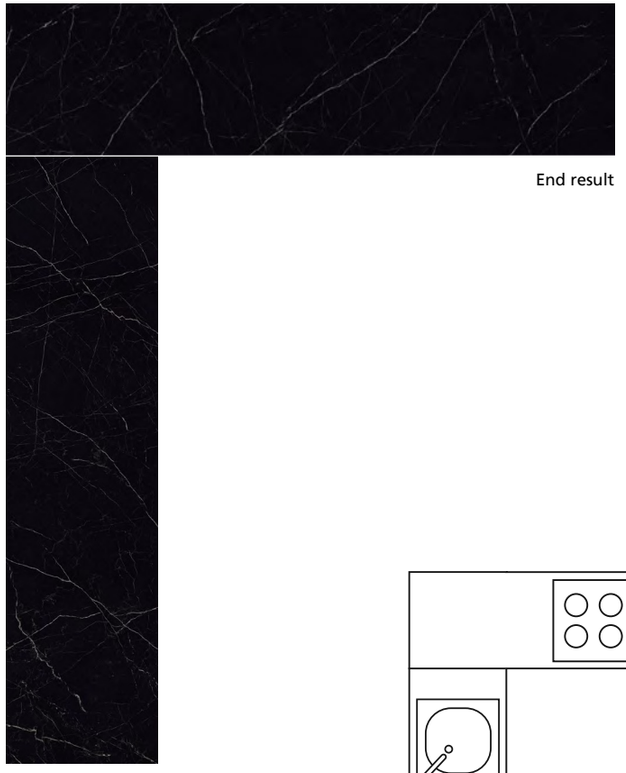
Cut the slab lengthwise

2.

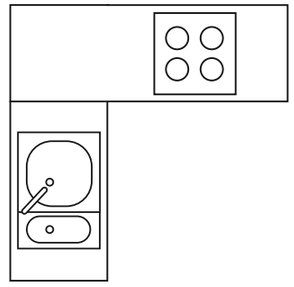


Rotate part A 90° and join parts A & B

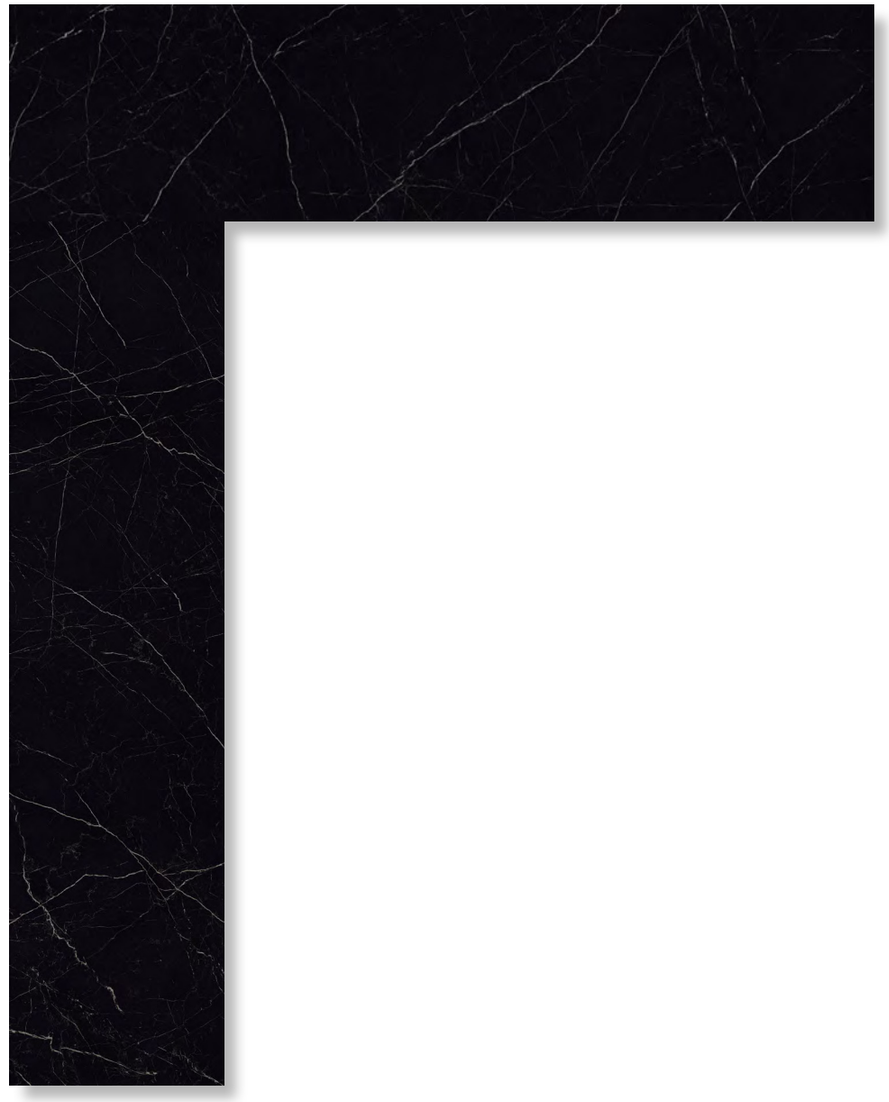
3.

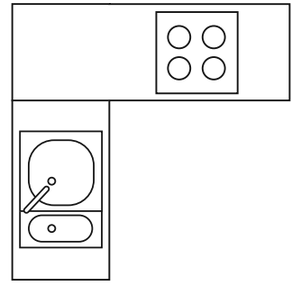


End result

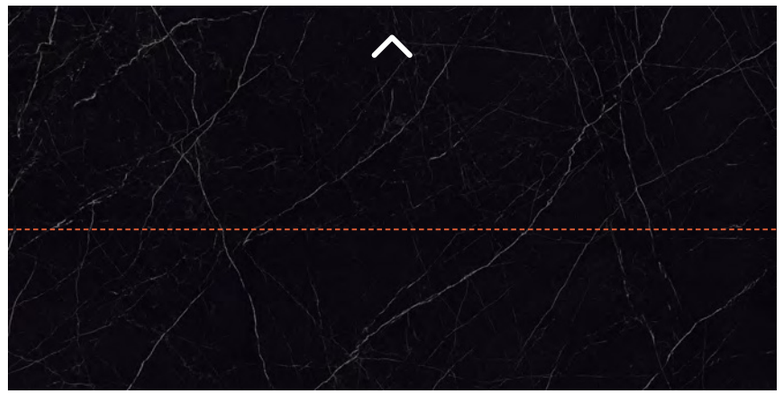


511 Smokestone | End result





1.



Cut the slab lengthwise

2.

End result

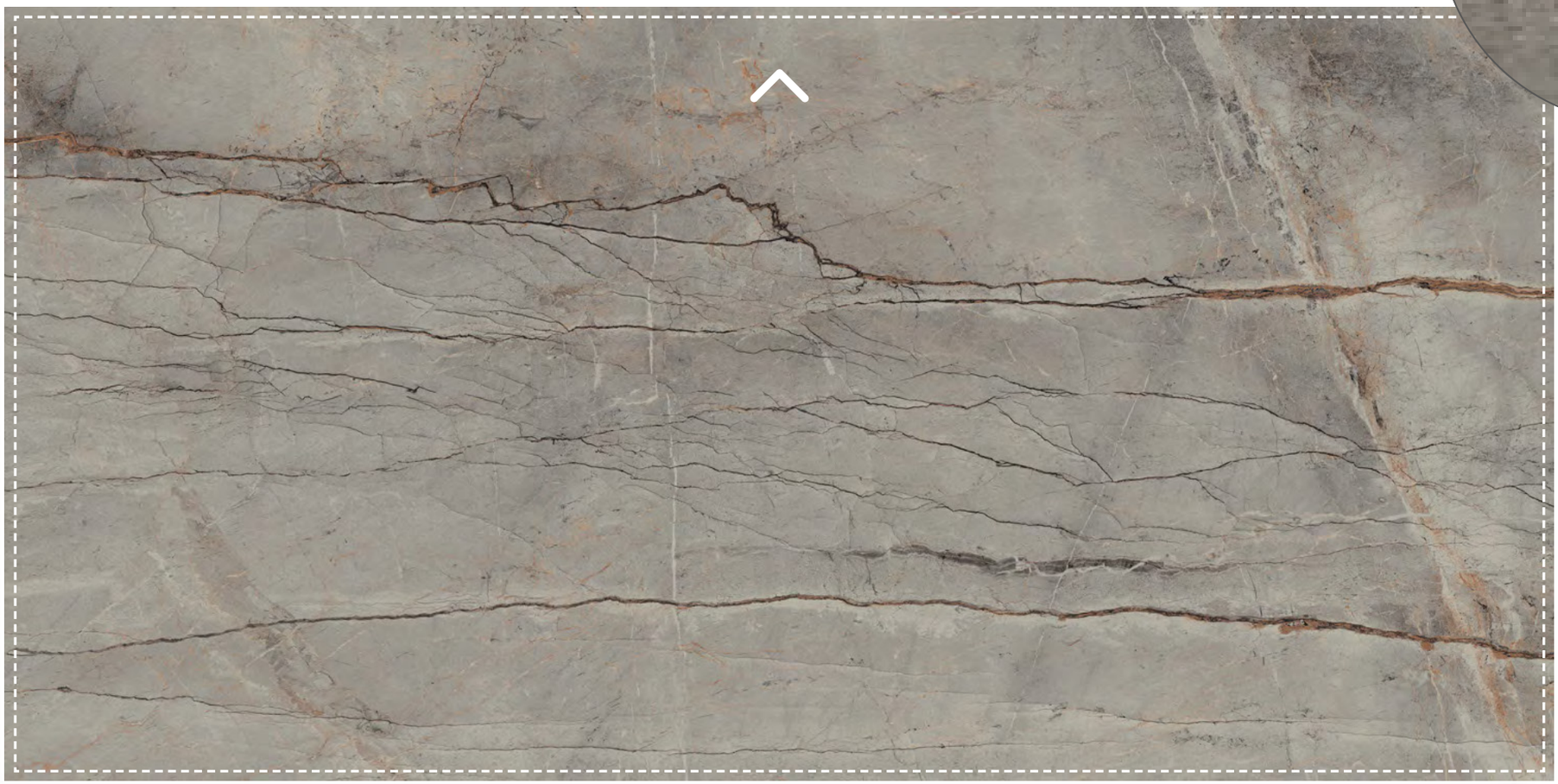
511 Smokestone | End result

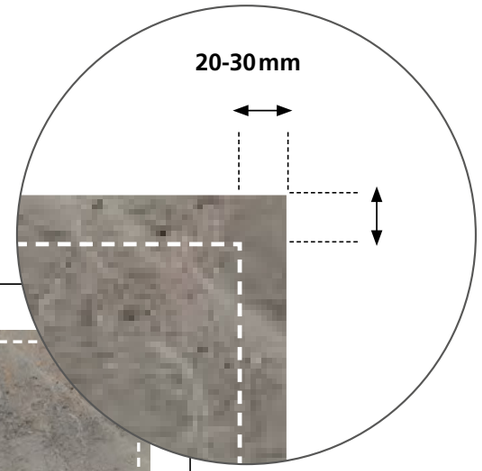
backsplash

countertop

513 Striata | Releasing slab tension

Full Slab

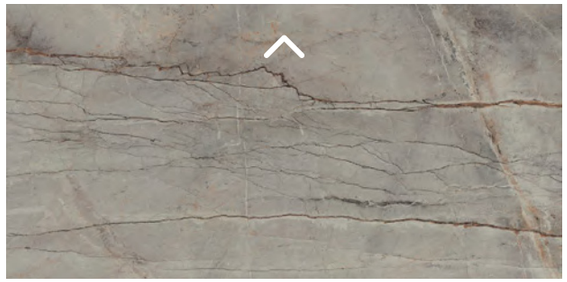




Reduce the 4 sides of the perimeter at a distance of 20-30 mm from the edges to release tension.

The useable slab size after releasing tension is 3160/3140 mm X 1560/1540 mm.

1.



+

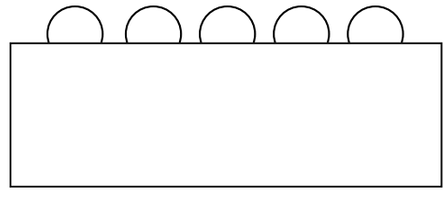
Rotate one slab 180°

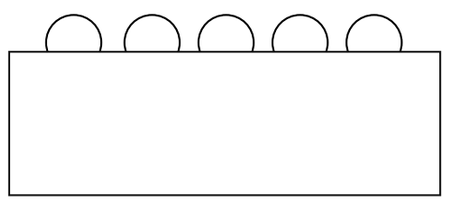
2.

Plan to join the two slabs for continuation of the main veins and remove the surplus

3.

End result





513 Striata | Pattern continuity plan

1.

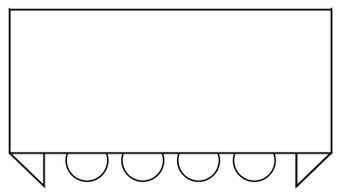
Rotate one slab 180°

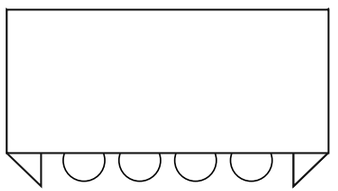
2.

Rotate part A 180°. Plan to join parts A & B to the full slab for continuation of the main veins and remove the surplus.

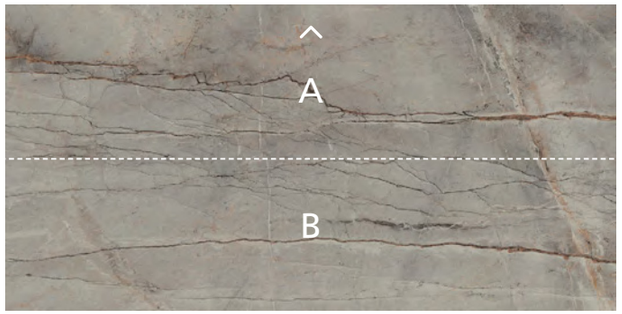
3.

End result



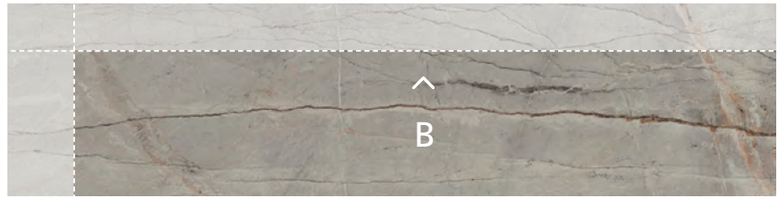


1.



Cut the slab lengthwise

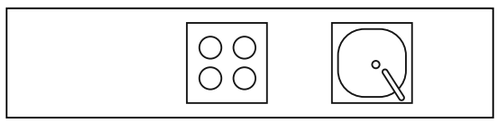
2.

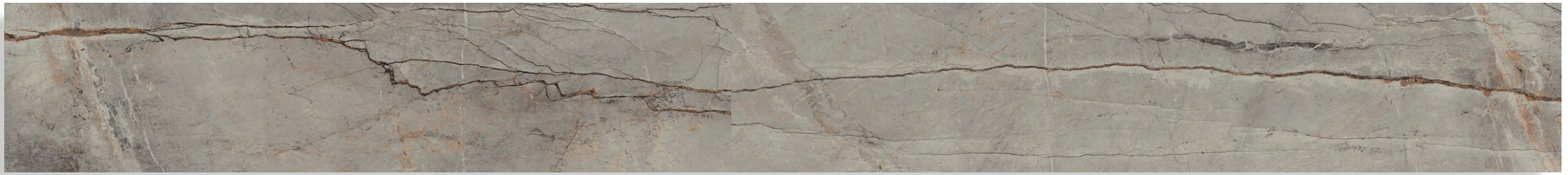


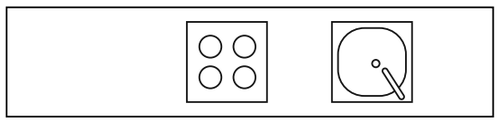
Rotate part A 180°. Plan to join parts A & B for continuation of the main vein and remove the surplus.

3.

End result

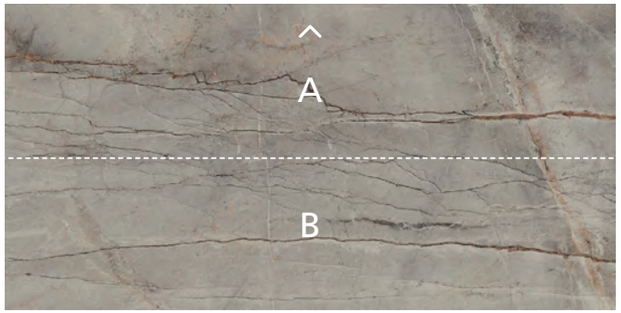






513 Striata | Pattern continuity L-shape

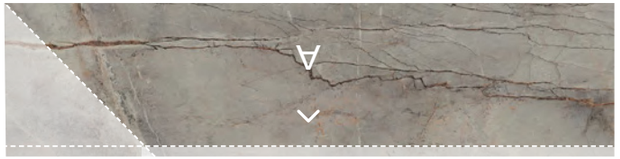
1.

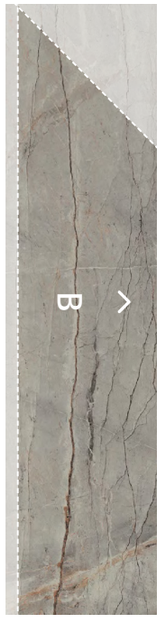


Cut the slab lengthwise

Cut the slab lengthwise

2.

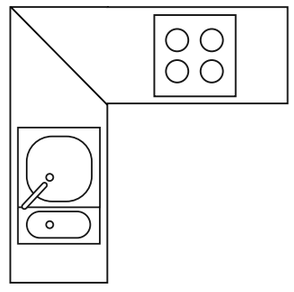




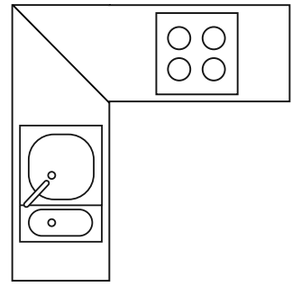
Rotate part A 180° and rotate part B 90°. Plan to join parts A & B for continuation of the main vein and remove the surplus.

3.

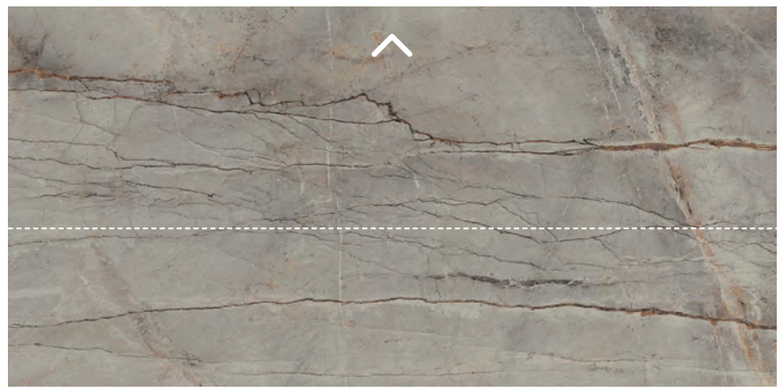
End result



513 Striata | End result

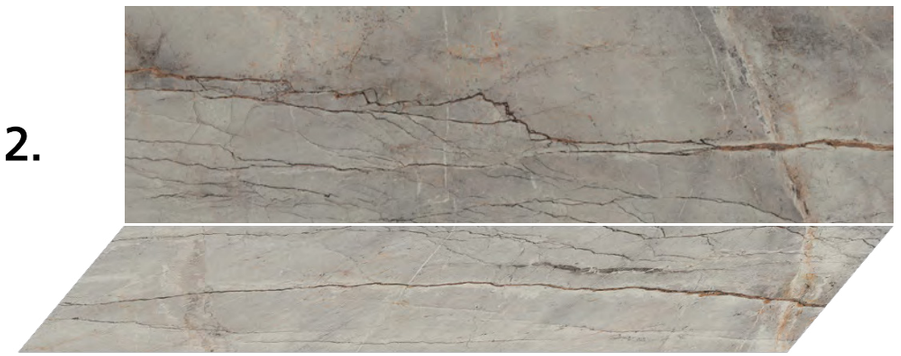


1.



Cut the slab lengthwise

2.



End result

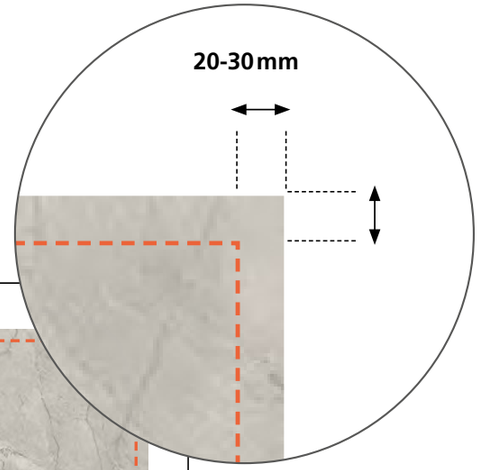
513 Striata | End result

backsplash

countertop

512 Transcenda | Releasing slab tension

Full Slab

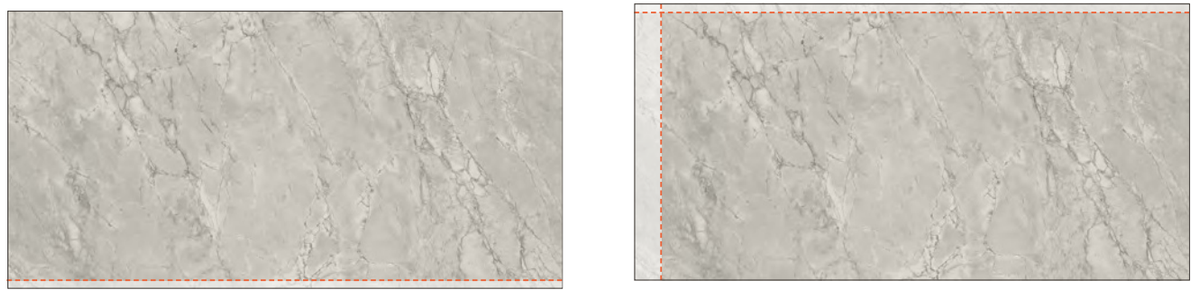


Reduce the 4 sides of the perimeter at a distance of 20-30 mm from the edges to release tension.

The useable slab size after releasing tension is 3160/3140 mm X 1560/1540 mm.

1.

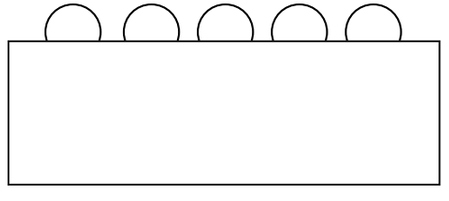
2.

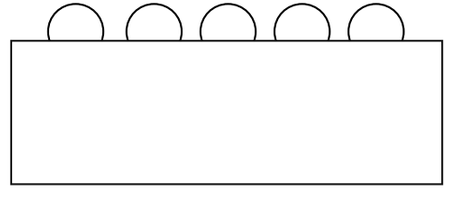


Plan to join the two slabs for pattern continuity and remove the surplus

3.

End result





512 Transcenda | Pattern continuity plan

1.

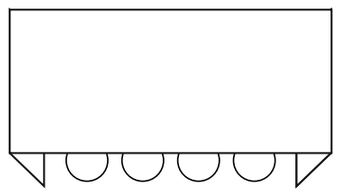
Cut the slab widthwise

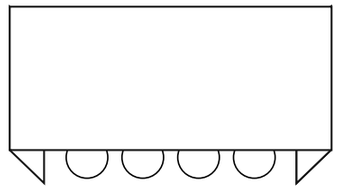
2.

Join parts A & B to the full slab

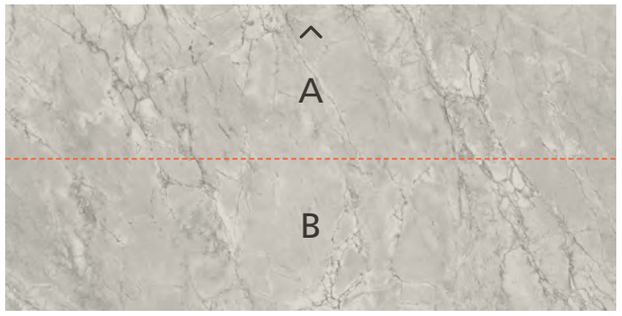
3.

End result





1.



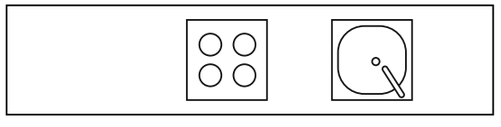
Cut the slab lengthwise

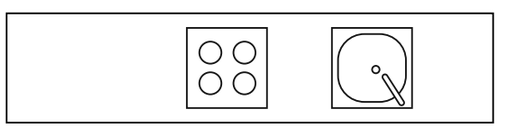
2.

Rotate part A 180° and join parts A & B

3.

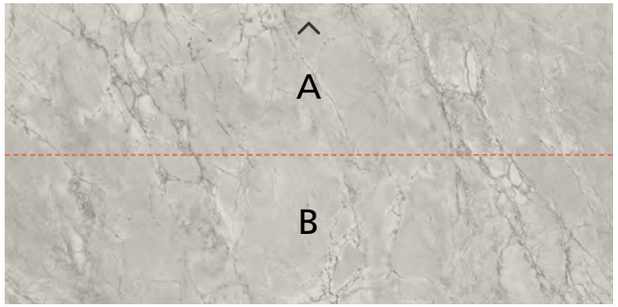
End result





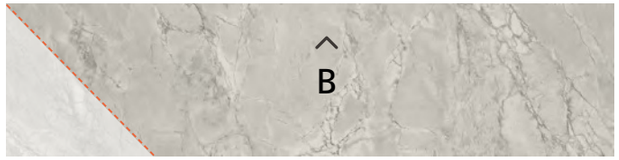
512 Transcenda | Pattern continuity L-shape

1.



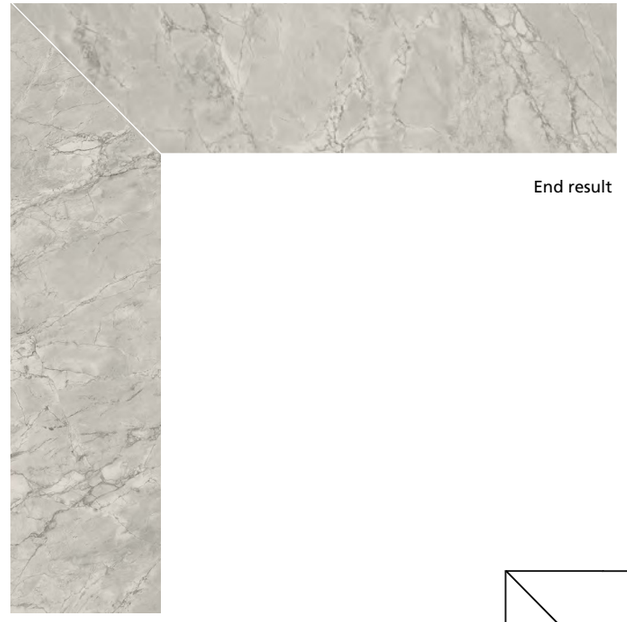
Cut the slab lengthwise

2.

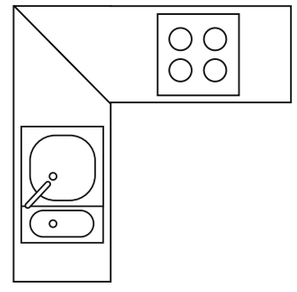


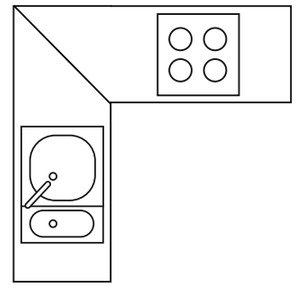
Rotate part A (90°. Plan to join parts A & B for pattern continuity and remove the surplus.

3.



End result





1.

Cut the slab lengthwise

2.

End result

backsplash

countertop