

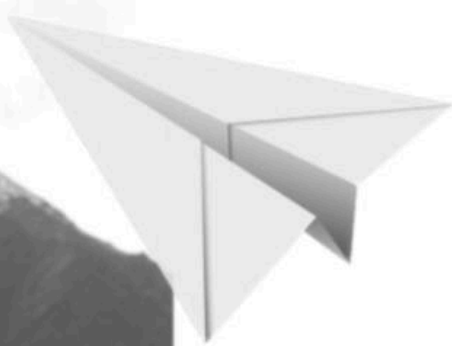


Flying

London College of Fashion
BA Fashion Pattern Cutting Year 3

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I tried paragliding by chance, and as the speed soared and the moment I rushed to the clouds, the fear of the unknown disappeared in an instant, and it was replaced by unprecedented relaxation and freedom. As I slowly glided and looked into the sky, I realised the size of the world. This made me interested in flying and curious about flying objects.

Collection Abstract

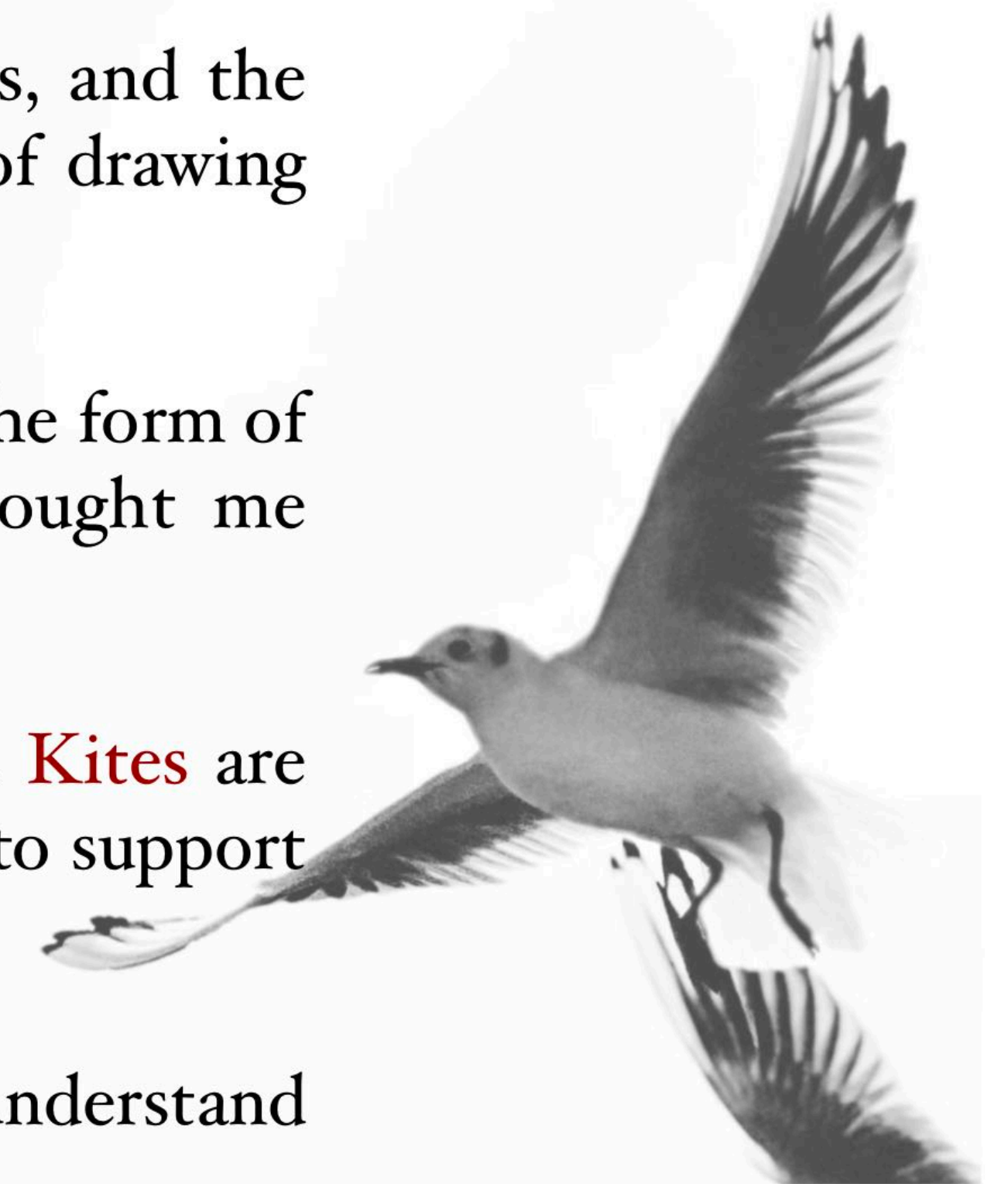
The inspiration for the entire project comes from flying in the air. The experience of weightlessness, acceleration and soaring into the clouds in paragliding has enabled human flight experience to break the control over the geographical environment and inner self from ancient times to the present. The human group's yearning for a free sense of body is an inescapable self-destiny. In conclusion, this topic aims to take different perspectives of flight in the air as entry points, and use paragliding, birds, paper planes and kites as scattered research points to consider the characteristics of flying "creatures" and "objects", and explore the possibility and innovation of the combination of their structures and clothing.

First, I investigated the **paraglider**. Its overall retractable structure is composed of many ropes, and the pilot needs to control the flight direction by pulling the ropes. For this, I used the element of drawing ropes in the clothing to simulate the process of controlling the flight direction.

Secondly, when humans study flight, they often draw on biological forms for simulation, such as the form of **birds**. So I investigated the flight patterns and movement trajectories of birds, which brought me inspiration in terms of silhouettes and expanded my thinking.

Thirdly, kites have a history of over 2,000 years and are the earliest flying devices of mankind. **Kites** are supported by skeletons of different sizes. In the clothing, fish bones are used as filling materials to support the silhouette.

The last point is that through the **folding principle** and model of the origami airplane, one can understand the principle of flight more intuitively. The structural design takes this as the starting point.

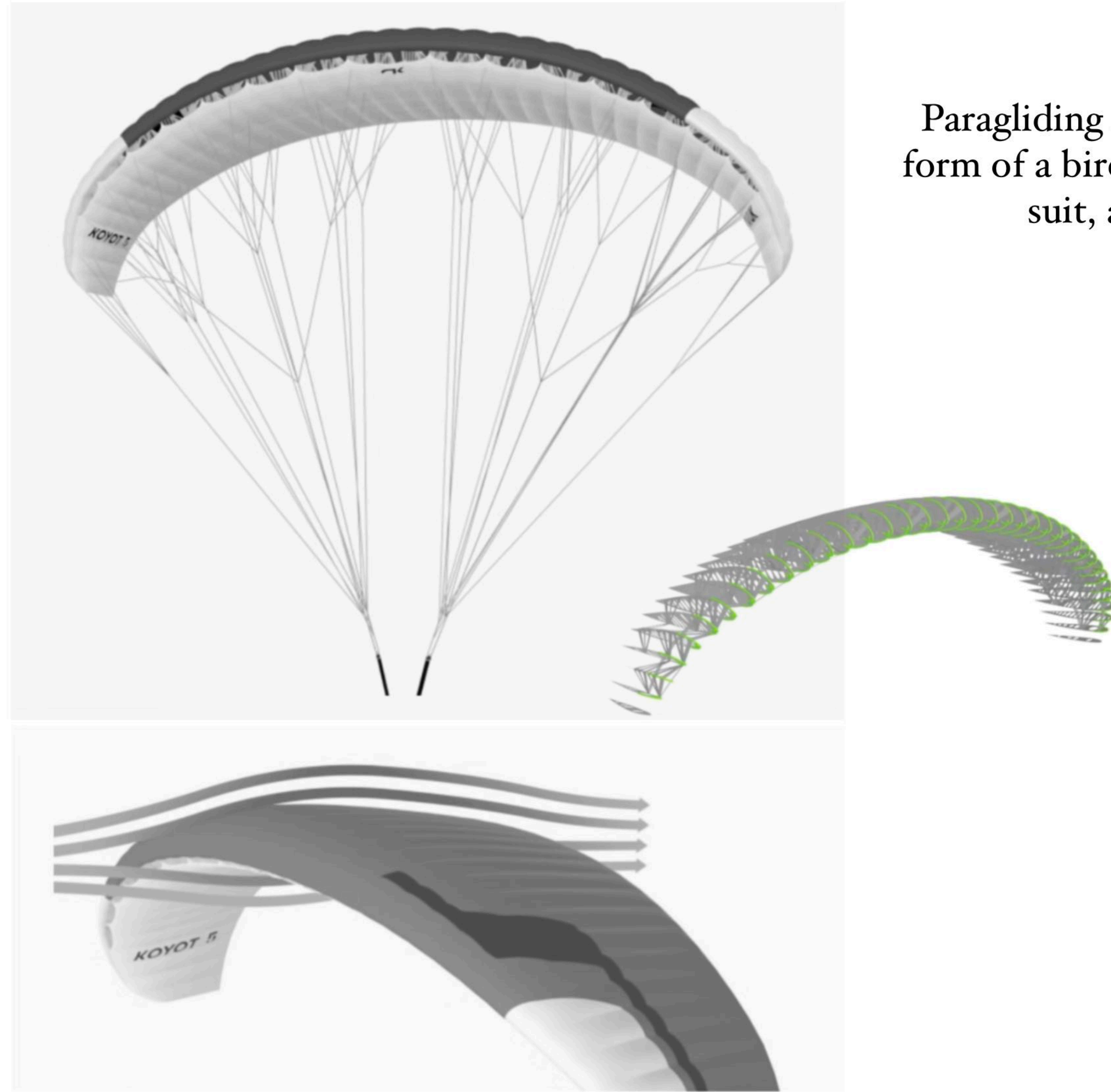




Paragliding is an air sport that uses air lift to fly. Its design draws on the form of a bird and consists of four main components: a winged parachute suit, a parachute cord, a harness system and manoeuvring.



Aircraft Research



Paragliding is an air sport that uses air lift to fly. Its design draws on the form of a bird and consists of four main components: a winged parachute suit, a parachute cord, a harness system and manoeuvring.



Research: Composition structure

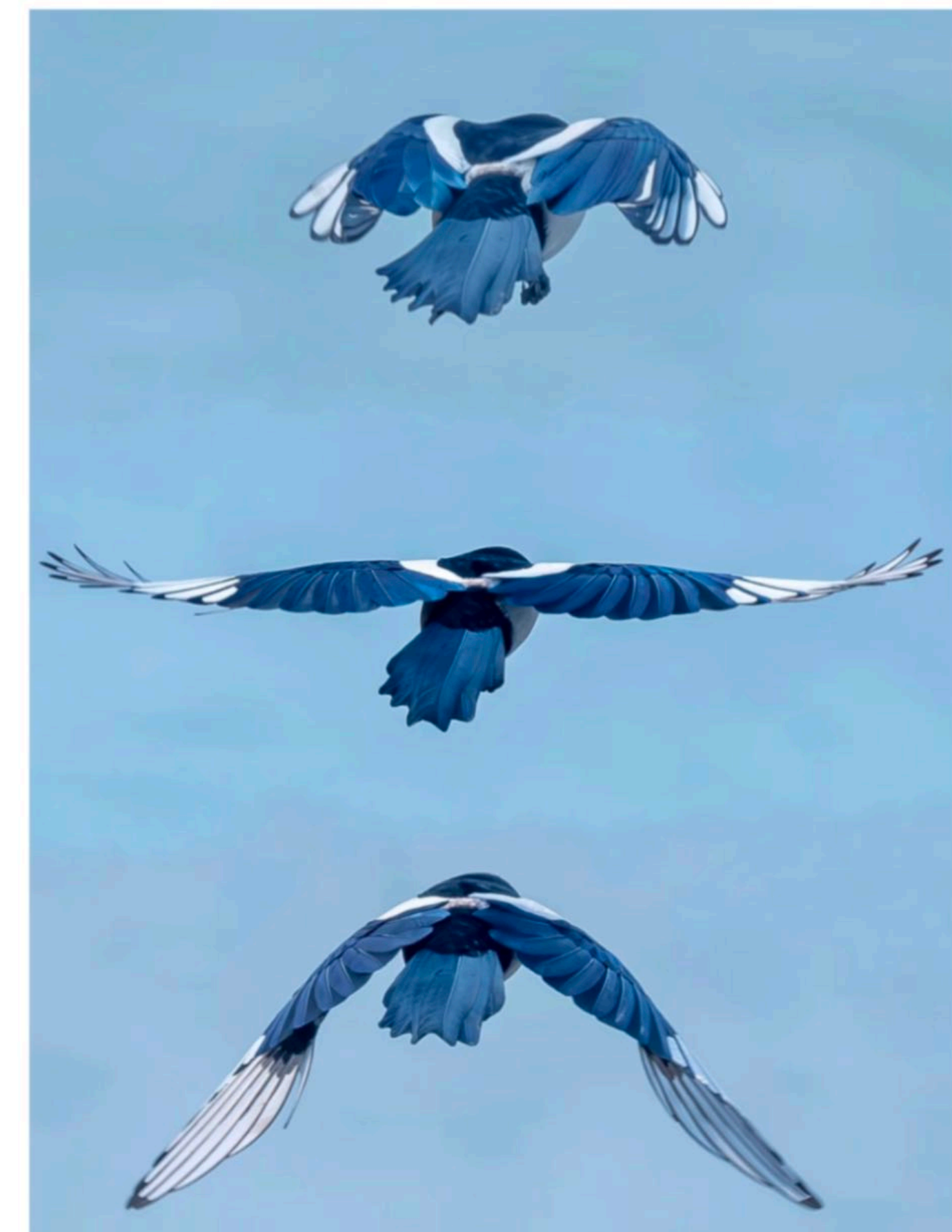


Research

The pilot controls lift and steering by pulling the ropes on the left and right sides of the paraglider to change the shape of the wing.



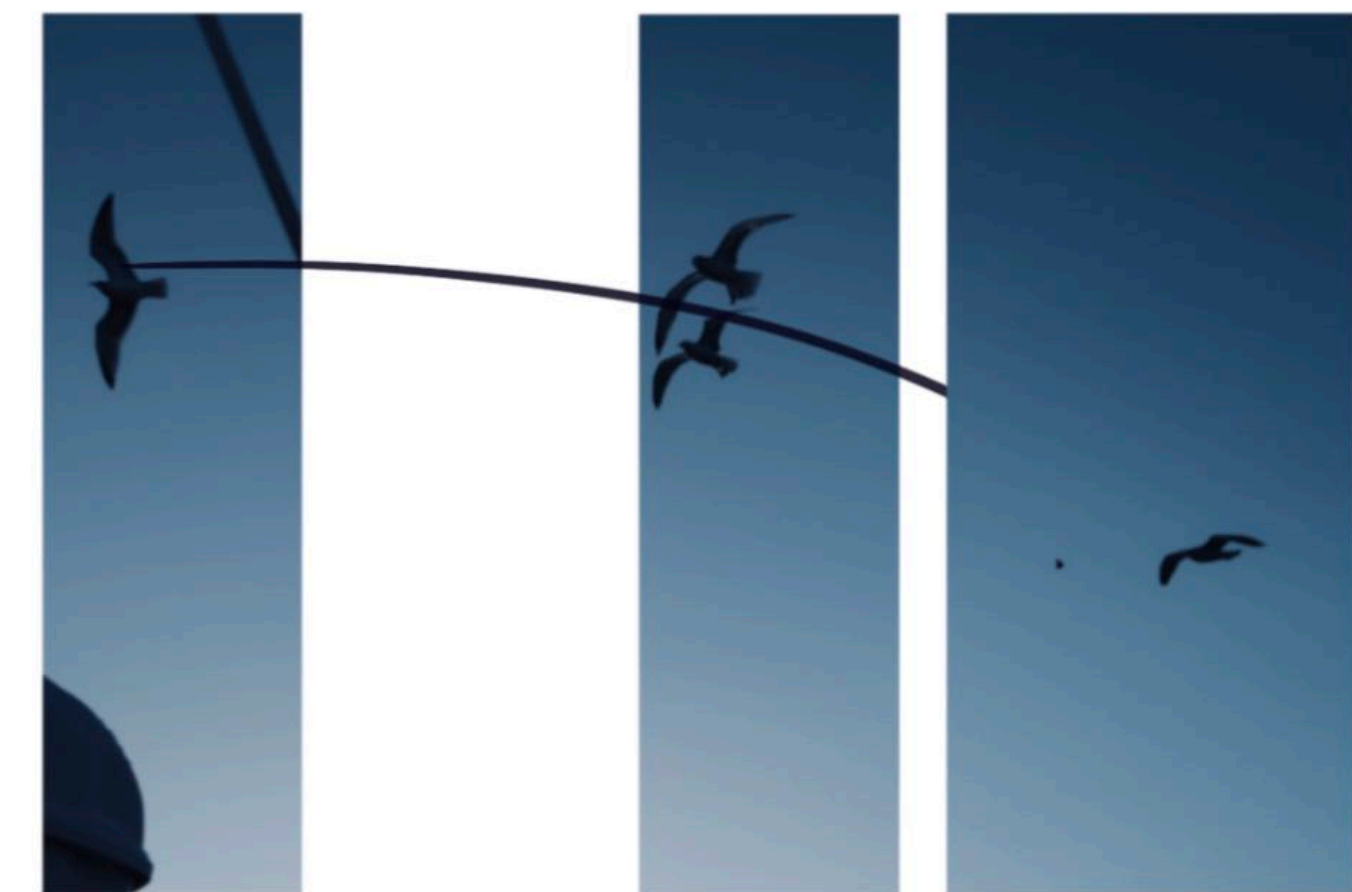
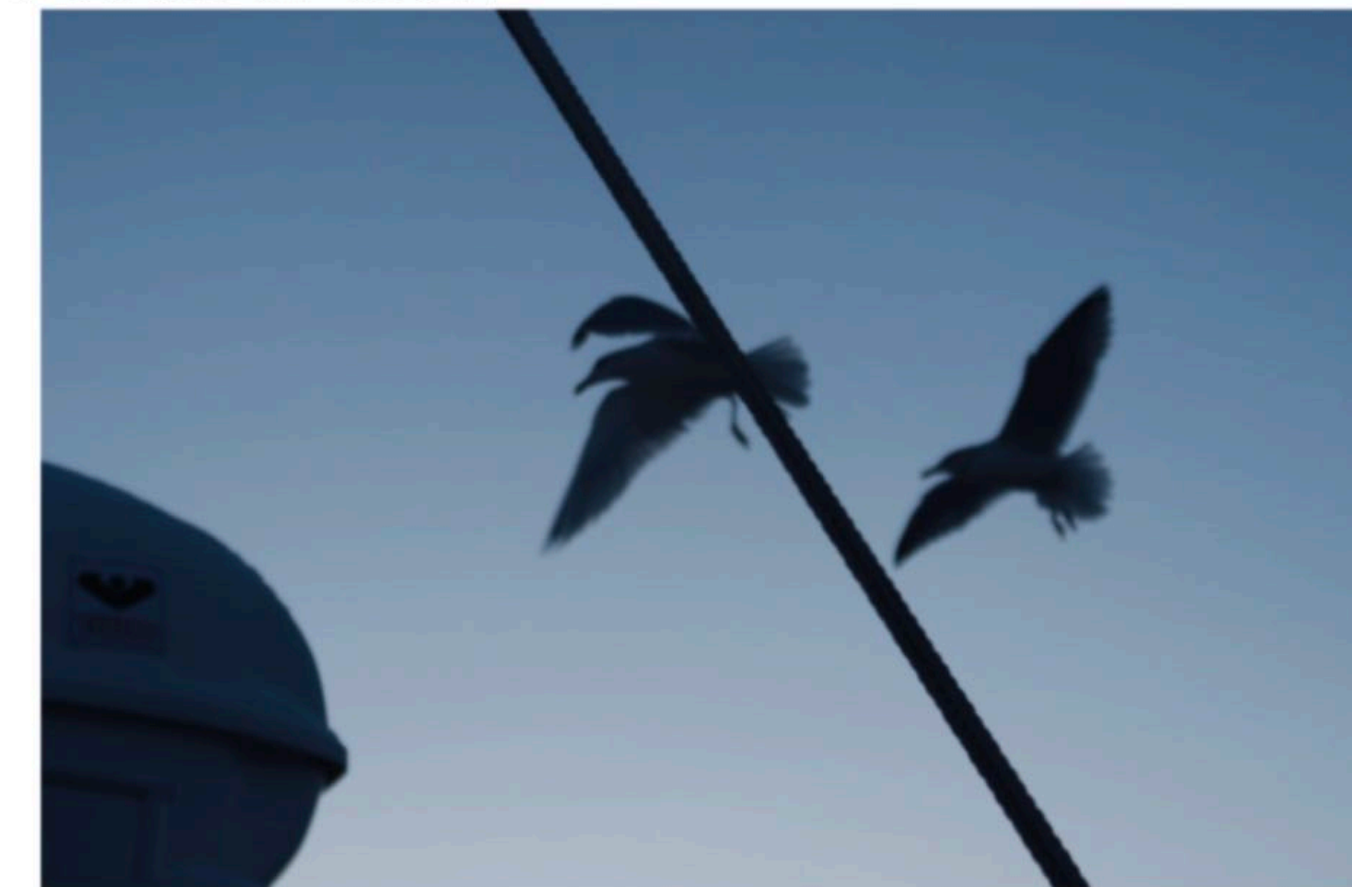
The flight trajectories of birds were investigated. During the investigation, it was found that the birds changed their shapes by flapping their wings. Besides, the size of the birds affected the width of their flight trajectories.



Research: The flight trajectory of birds



When I was traveling in Norway, I found that when a group of birds were flying together, they would change their formation. After conducting research, I discovered that birds would change their formation to block the air current. Investigate the flight trajectories of a group of birds and extract shapes such as arcs.

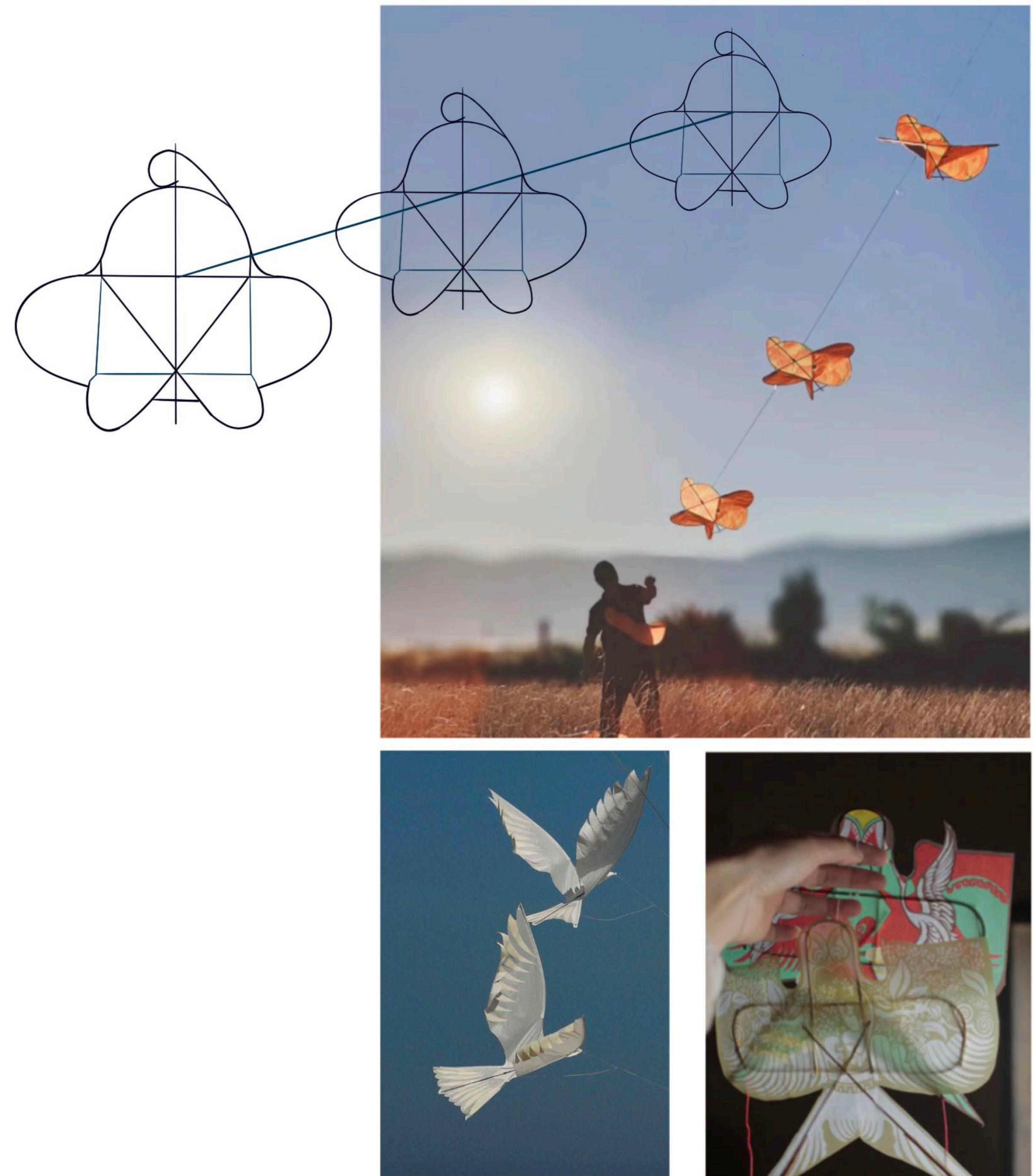


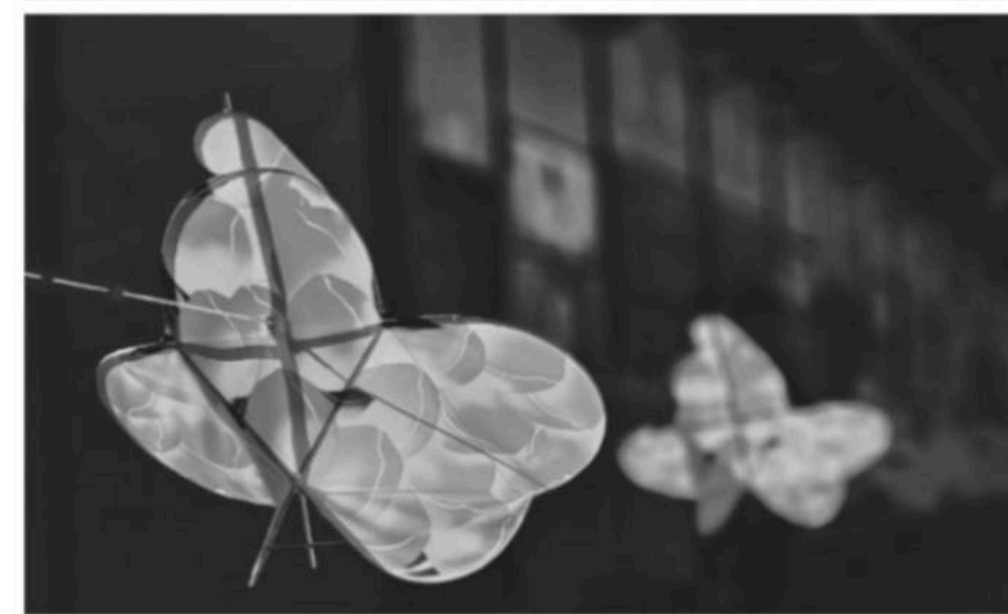
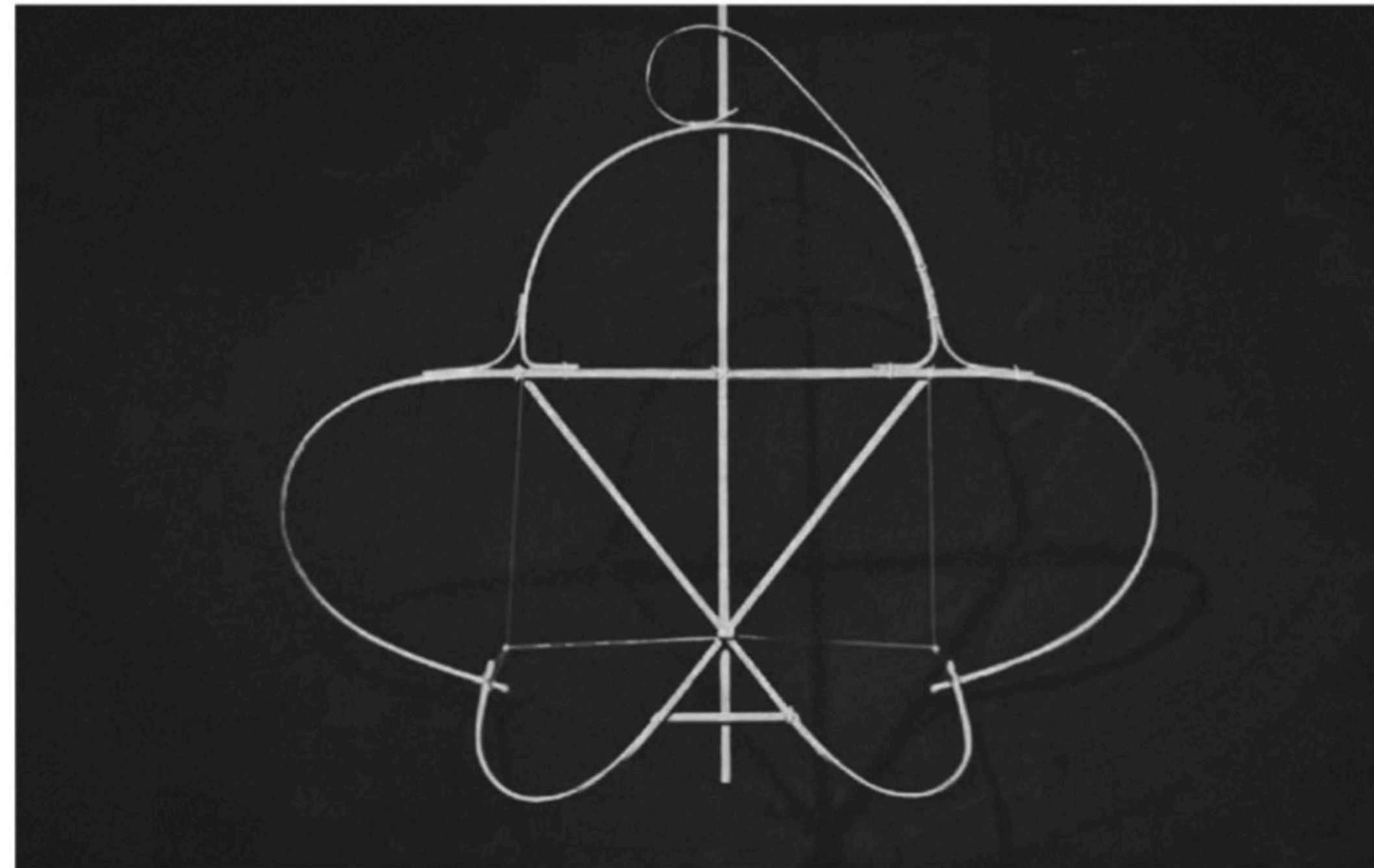
Research

Research: Kite

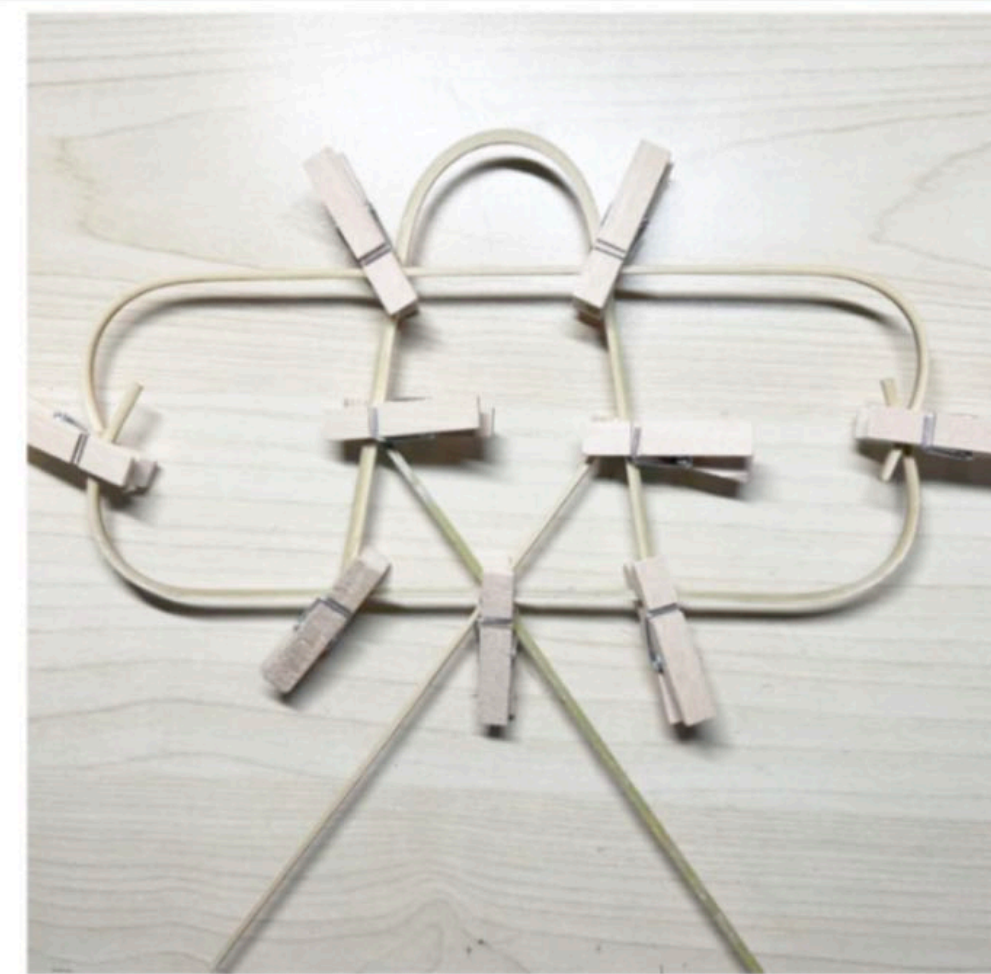


Investigate the basic structure of the kite.

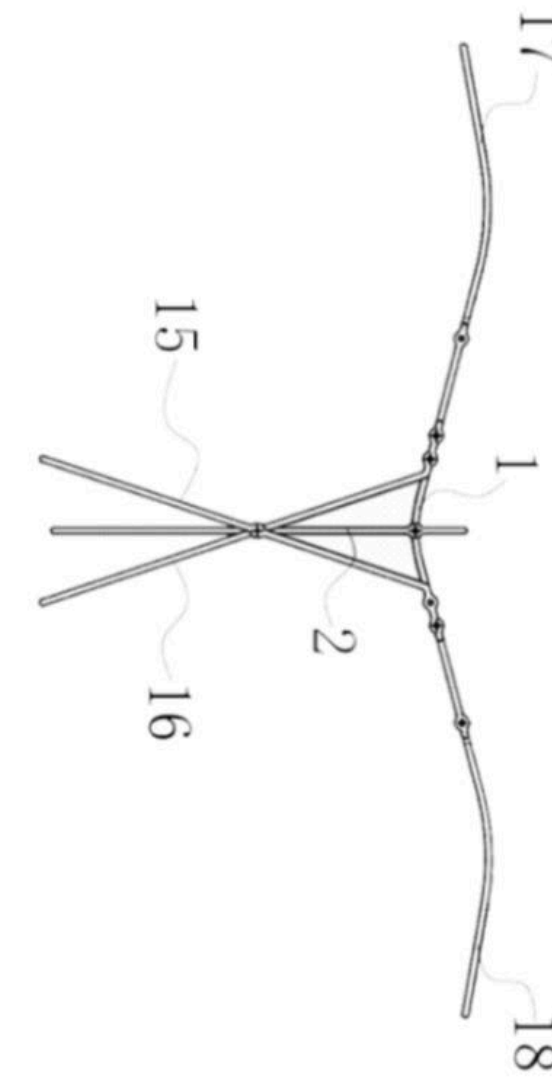




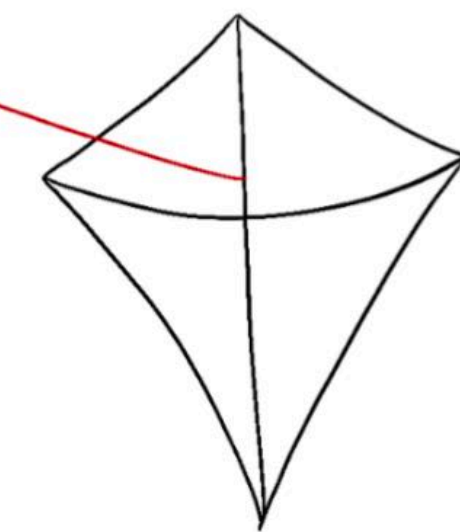
China Kites



The skeleton of a kite is the main element of its flight
Extract the elements of boning



Kites were often used in military and scientific fields in addition to being used as toys. Kites are supported by bones of different sizes.



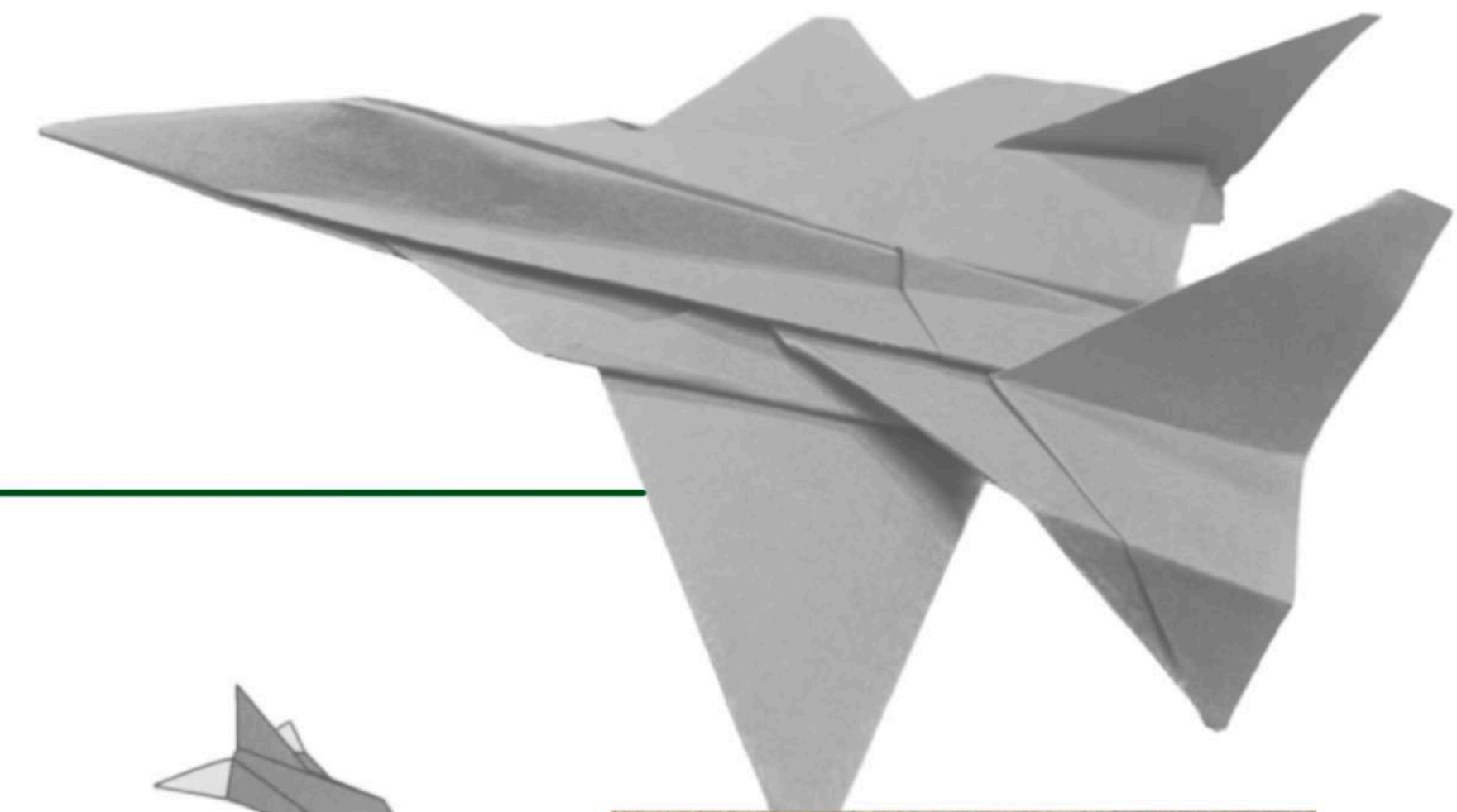
Western Kites



Research



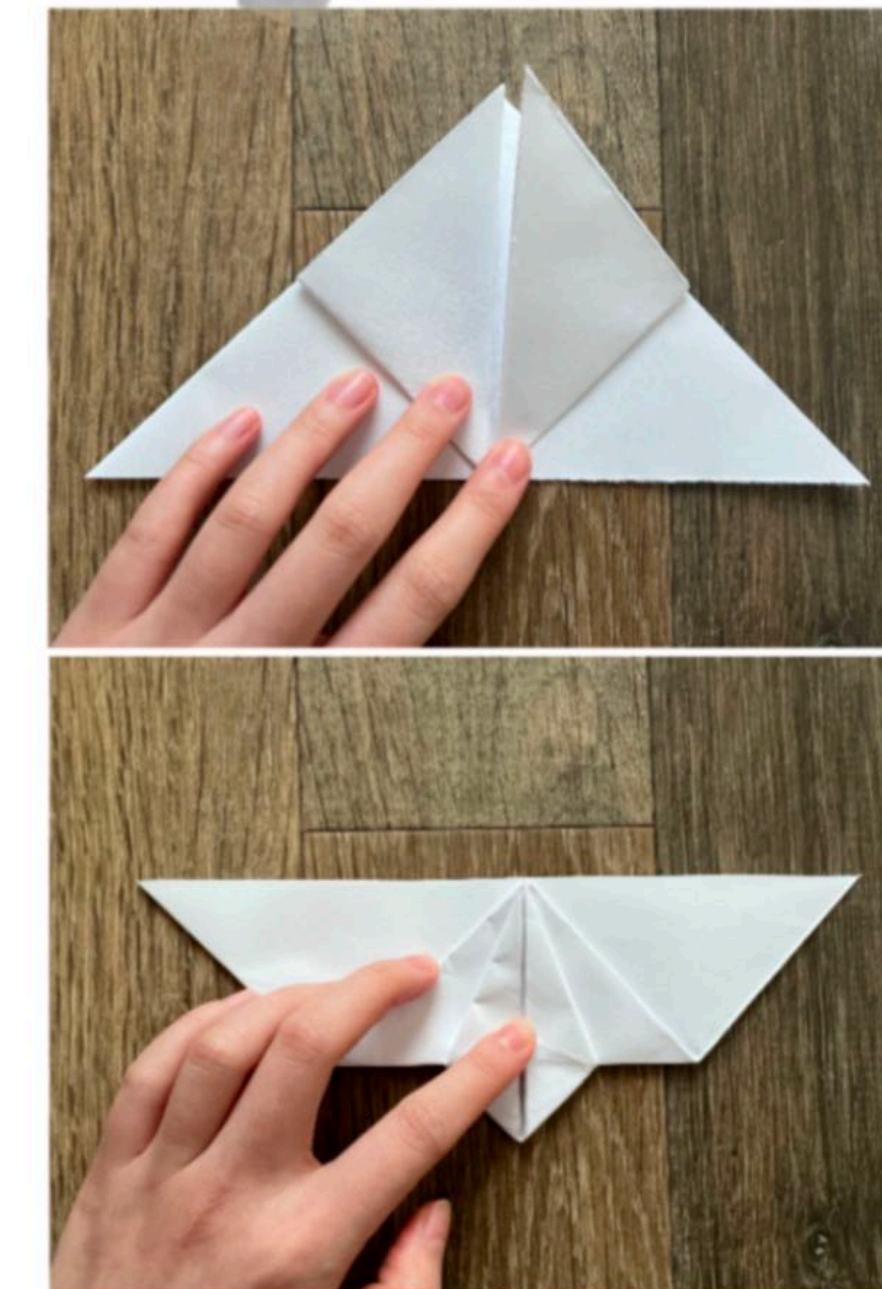
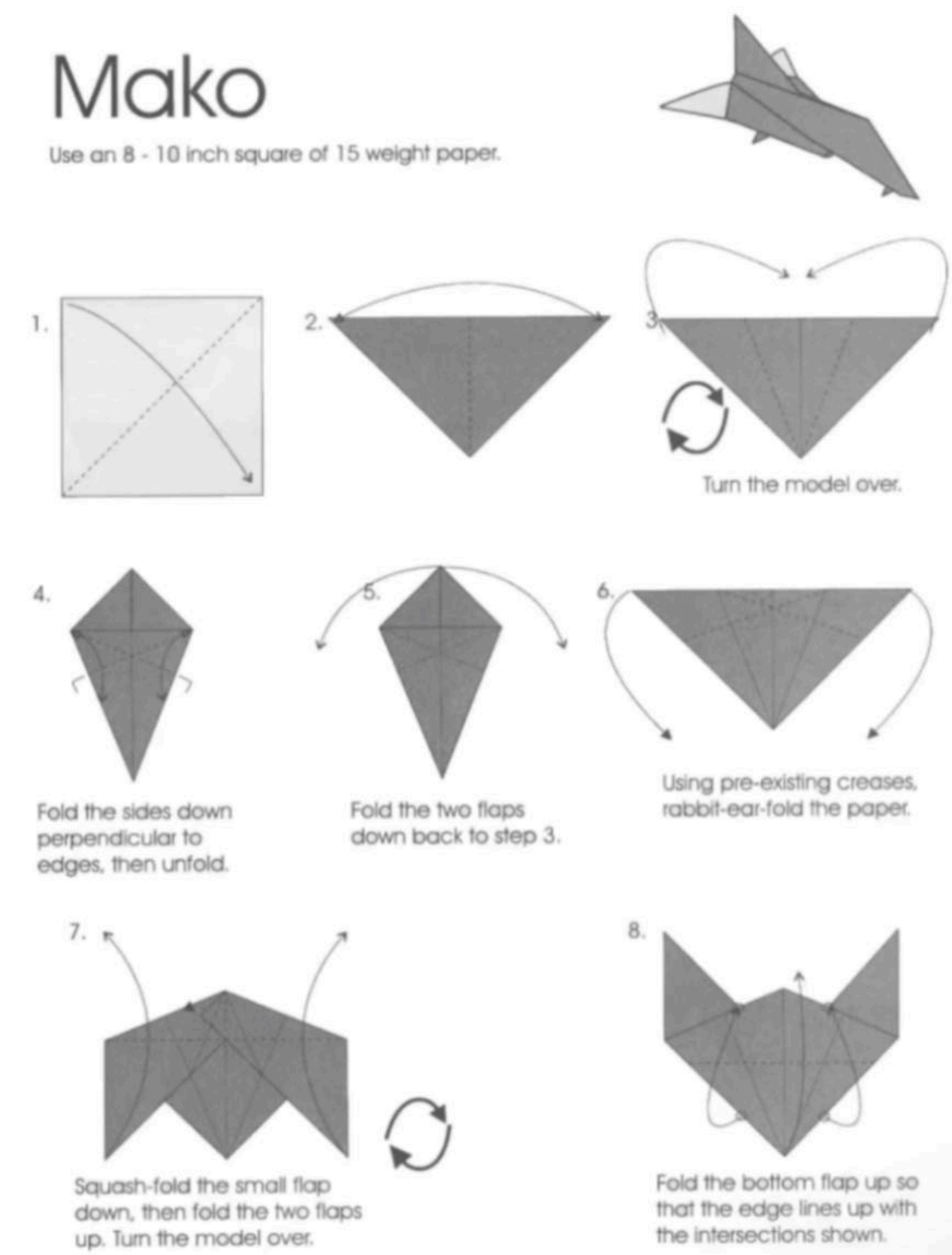
Research

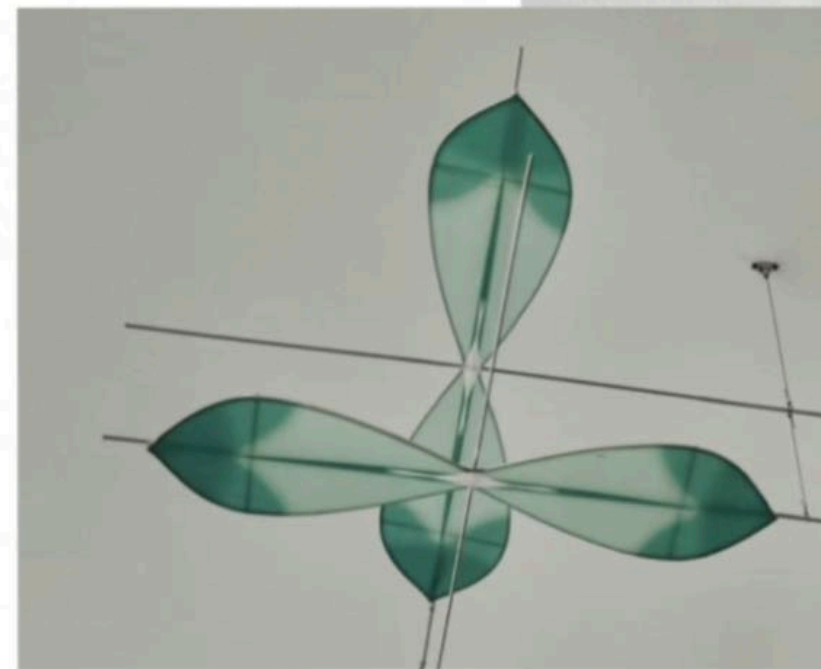


Investigate the operating principle and folding principle of the origami airplane.

Mako

Use an 8 - 10 inch square of 15 weight paper.





COLOUR BOARD

The color version of this series reflects fresh and natural tones. It is characterized by dark green, denim blue, light gray, cyan and off-white.



345645



455469



8D9393



EBE7DF

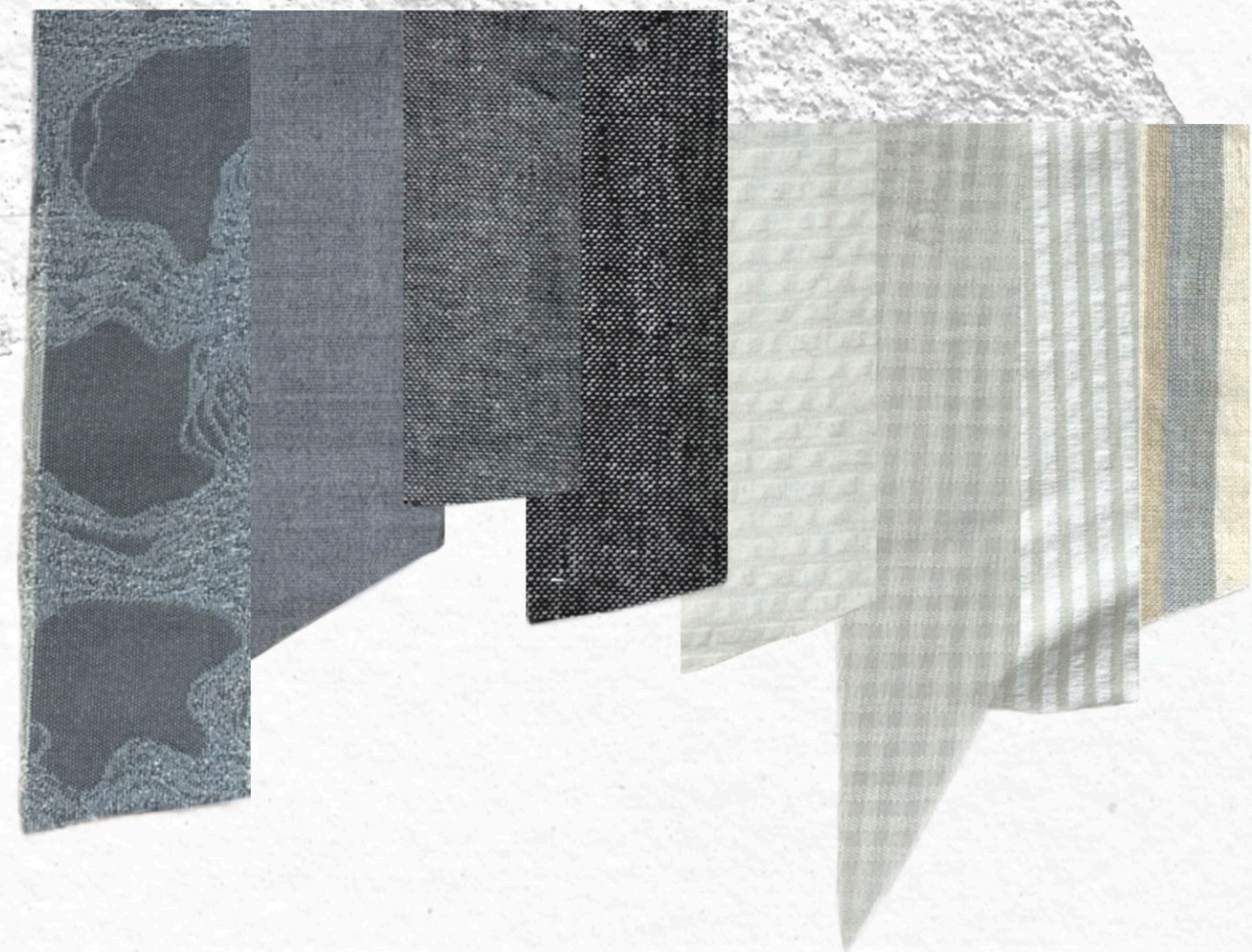


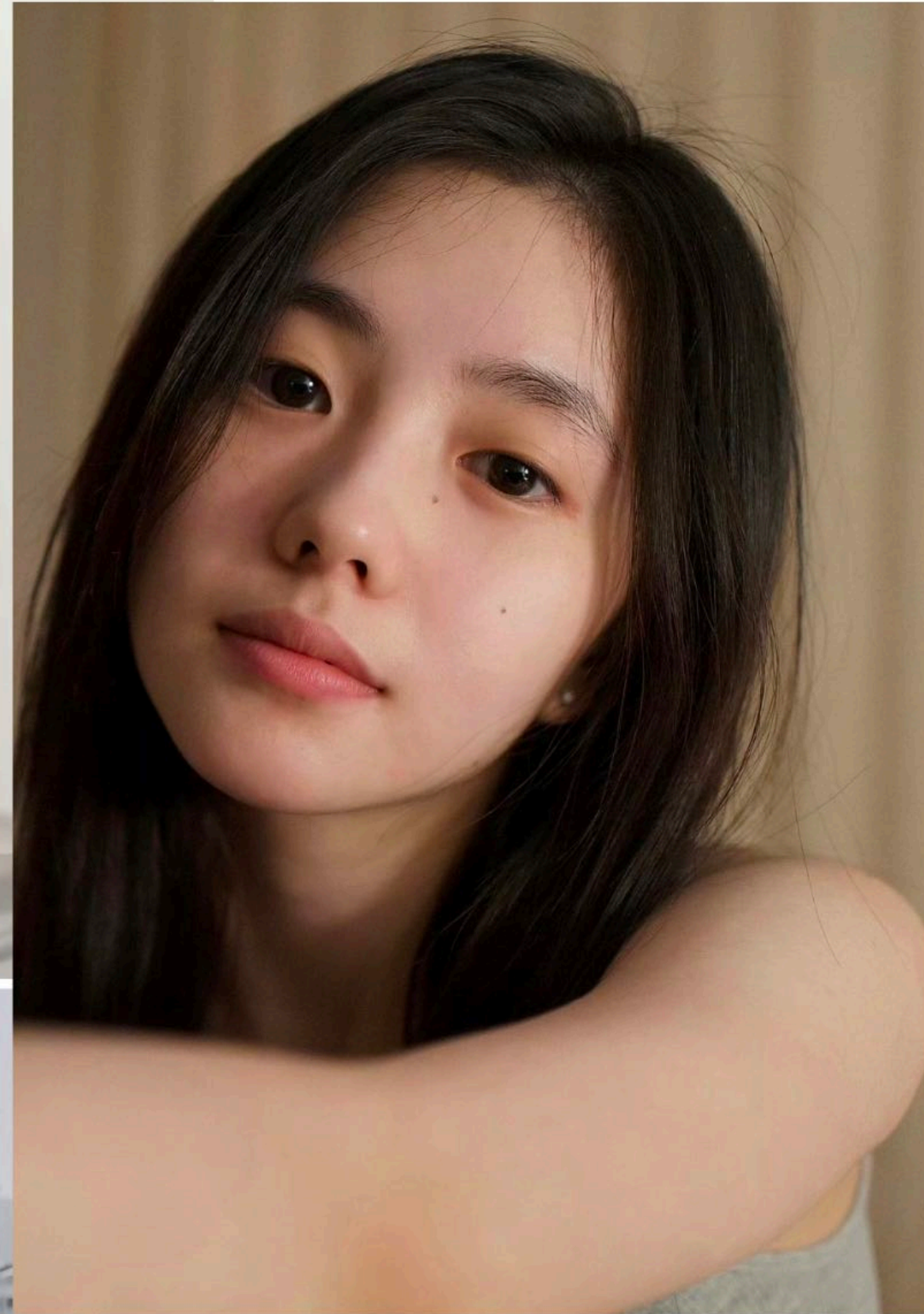
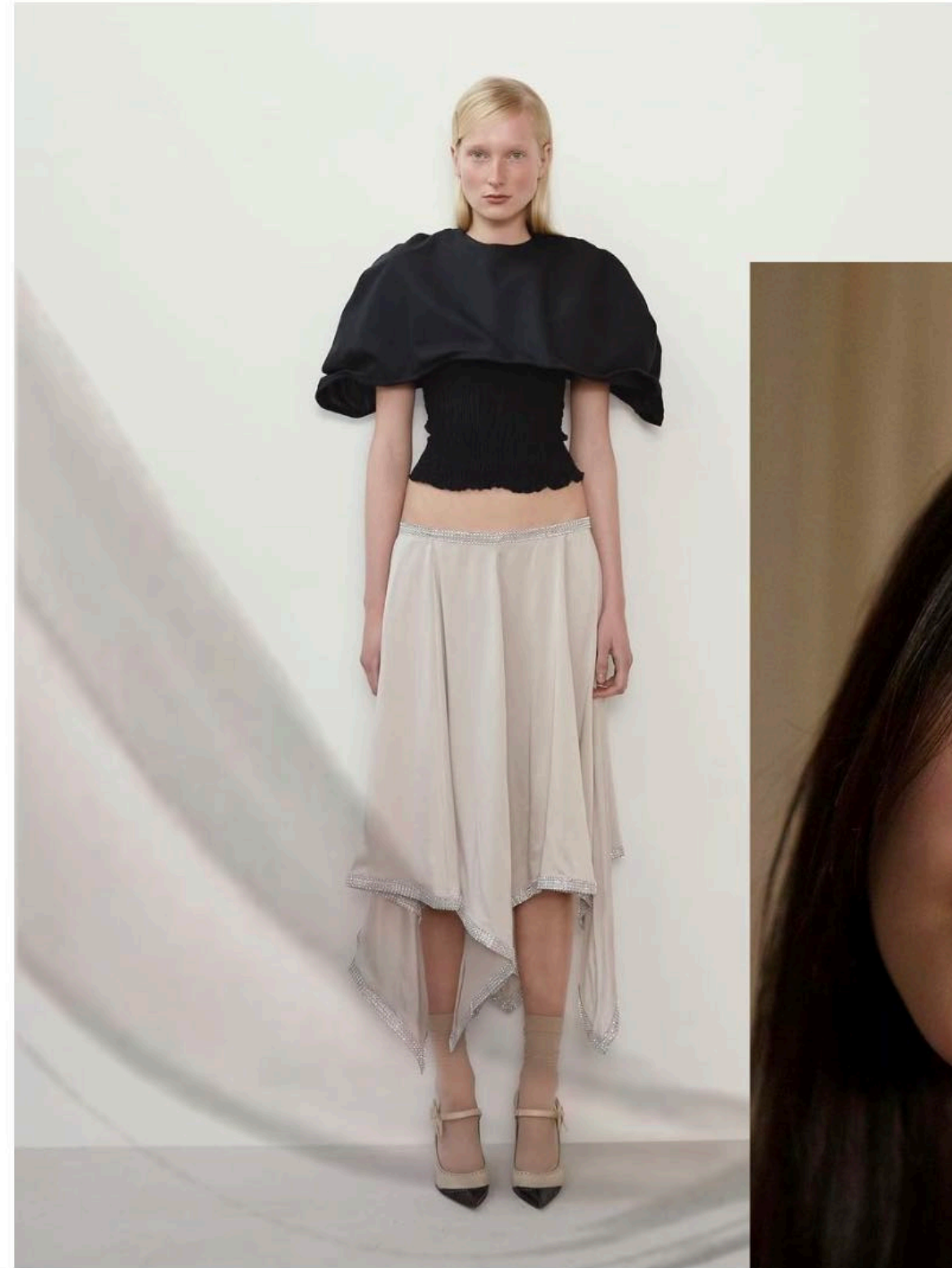
98BCAE



FABRIC BOARD

Comfortable fabrics such as cotton, denim and silk were chosen. And the textured fabric brings a better effect.





Customer Profile:

Age: 18-30

Annual Income: £26,000+

Hobbies: Travel, confident about their own figures, they are keen to share their lives on social media

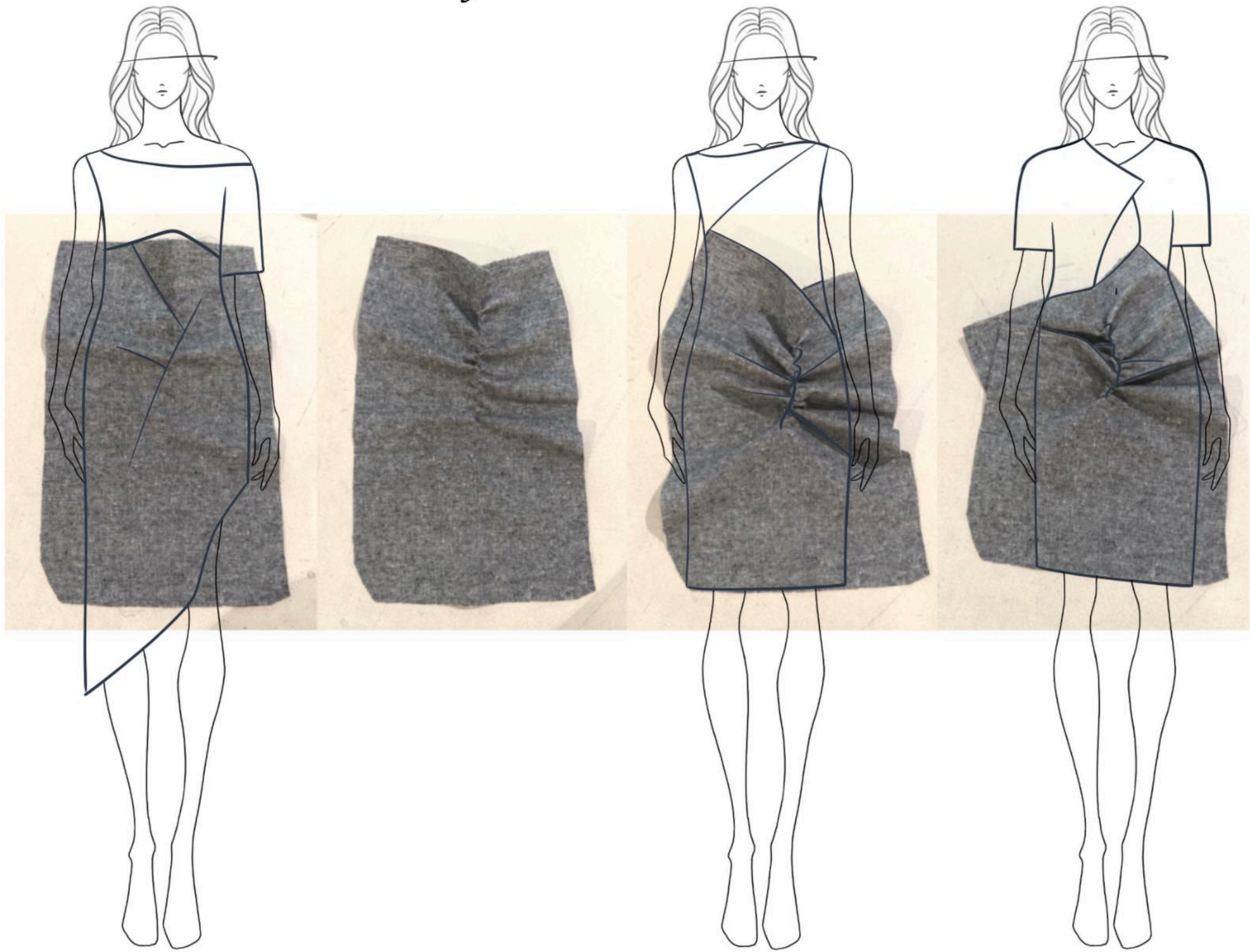
Favorite Brands: jacquemus, gimagwas

Fashion trends they follow: Pursue and accept fashionable, beautiful and clean products. And pursue cost effective products

DESIGN DEVELOPMENT



10% — 30% — 60% — 100%



Conduct experiments based on the drawstring of a paraglider.

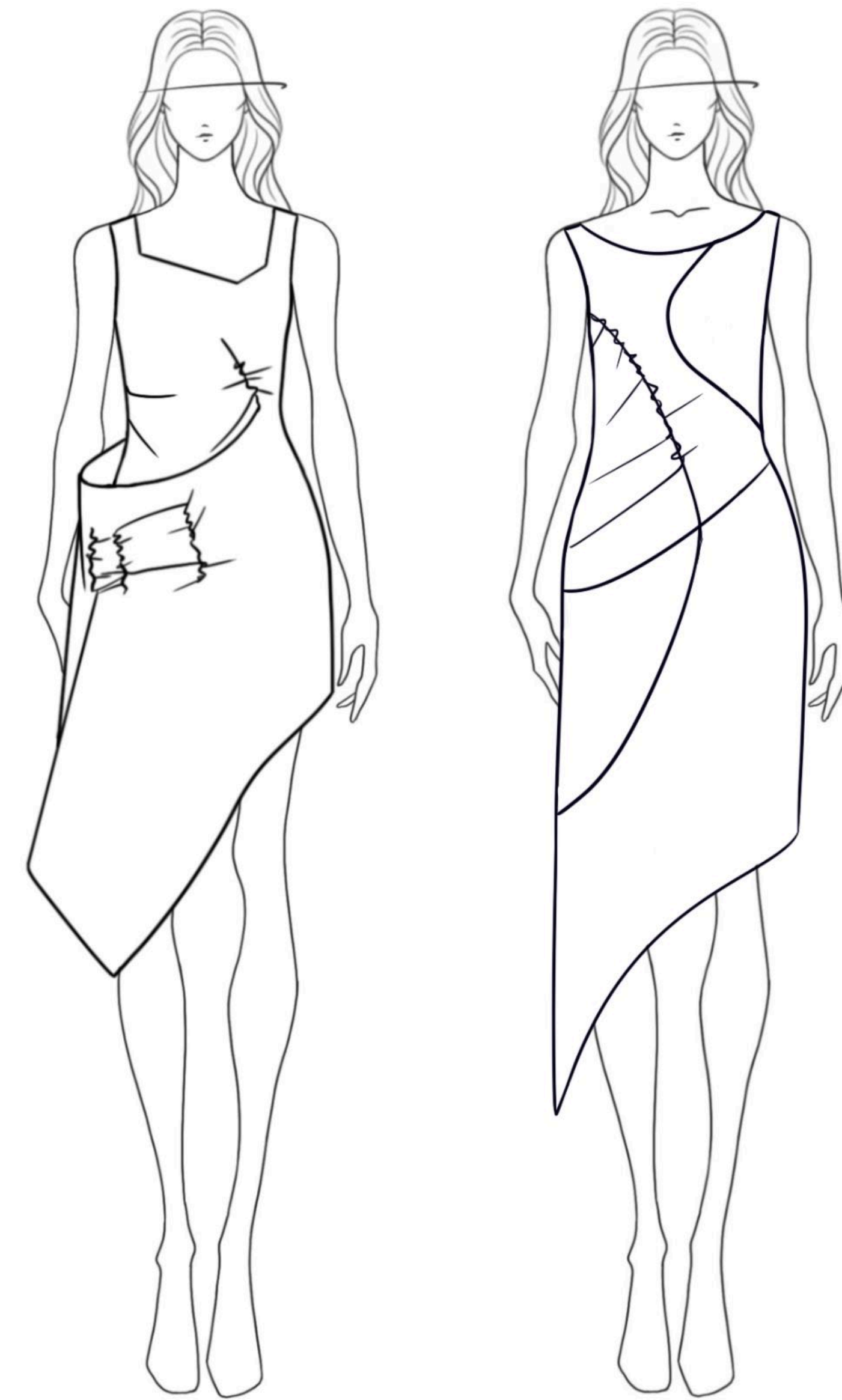
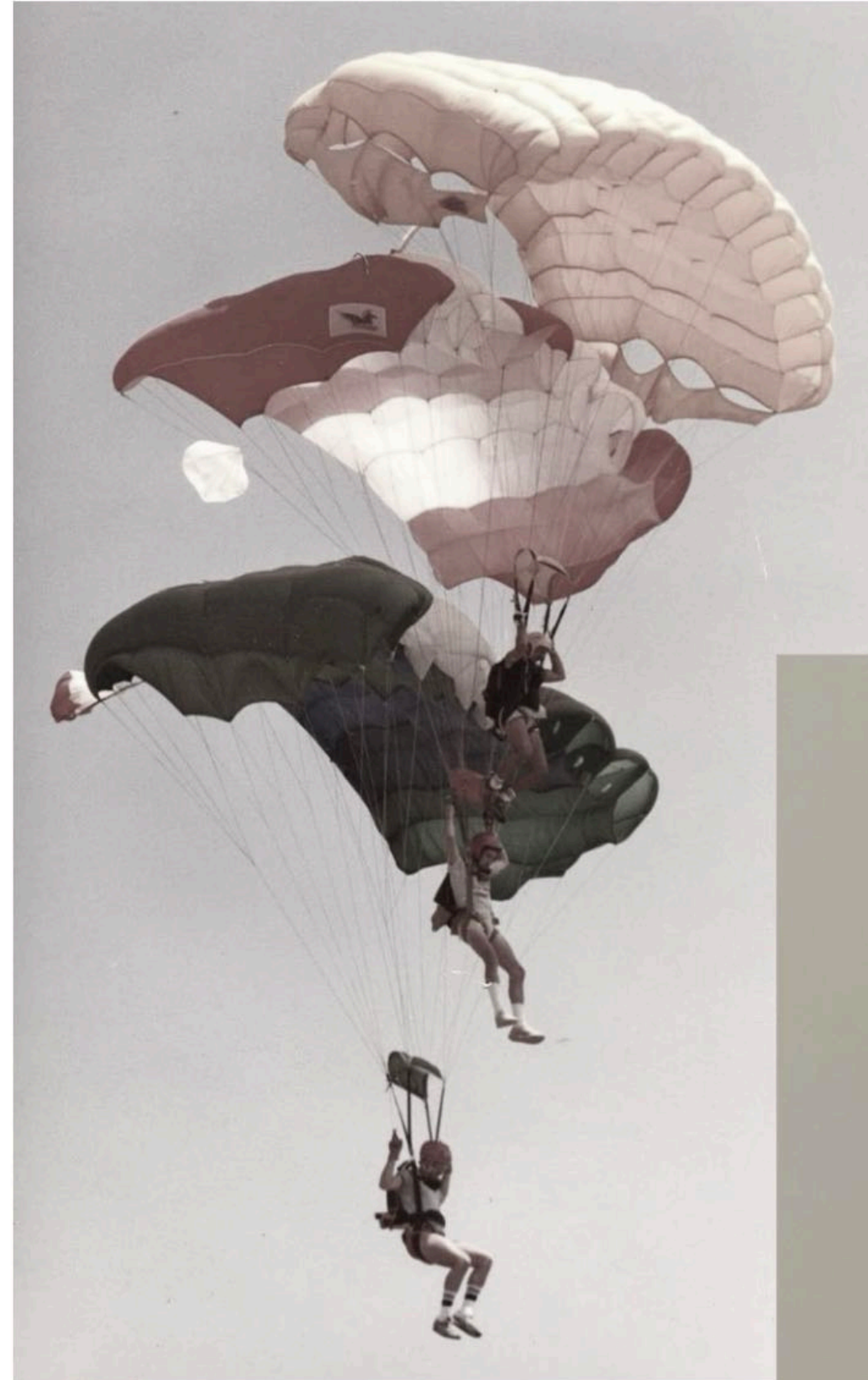


Apply pleat and gather to the design of clothing.



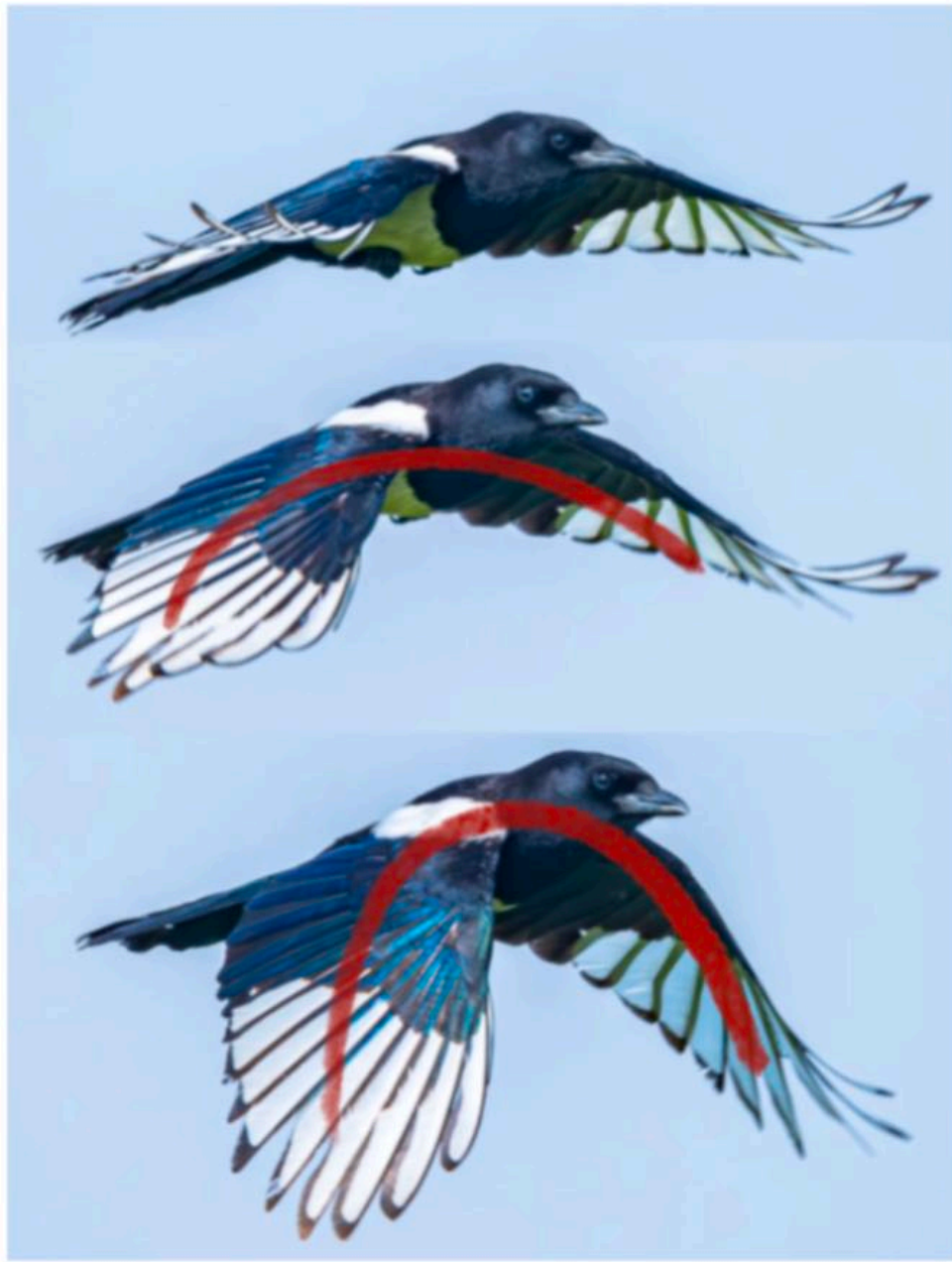
DESIGN DEVELOPMENT

DESIGN DEVELOPMENT



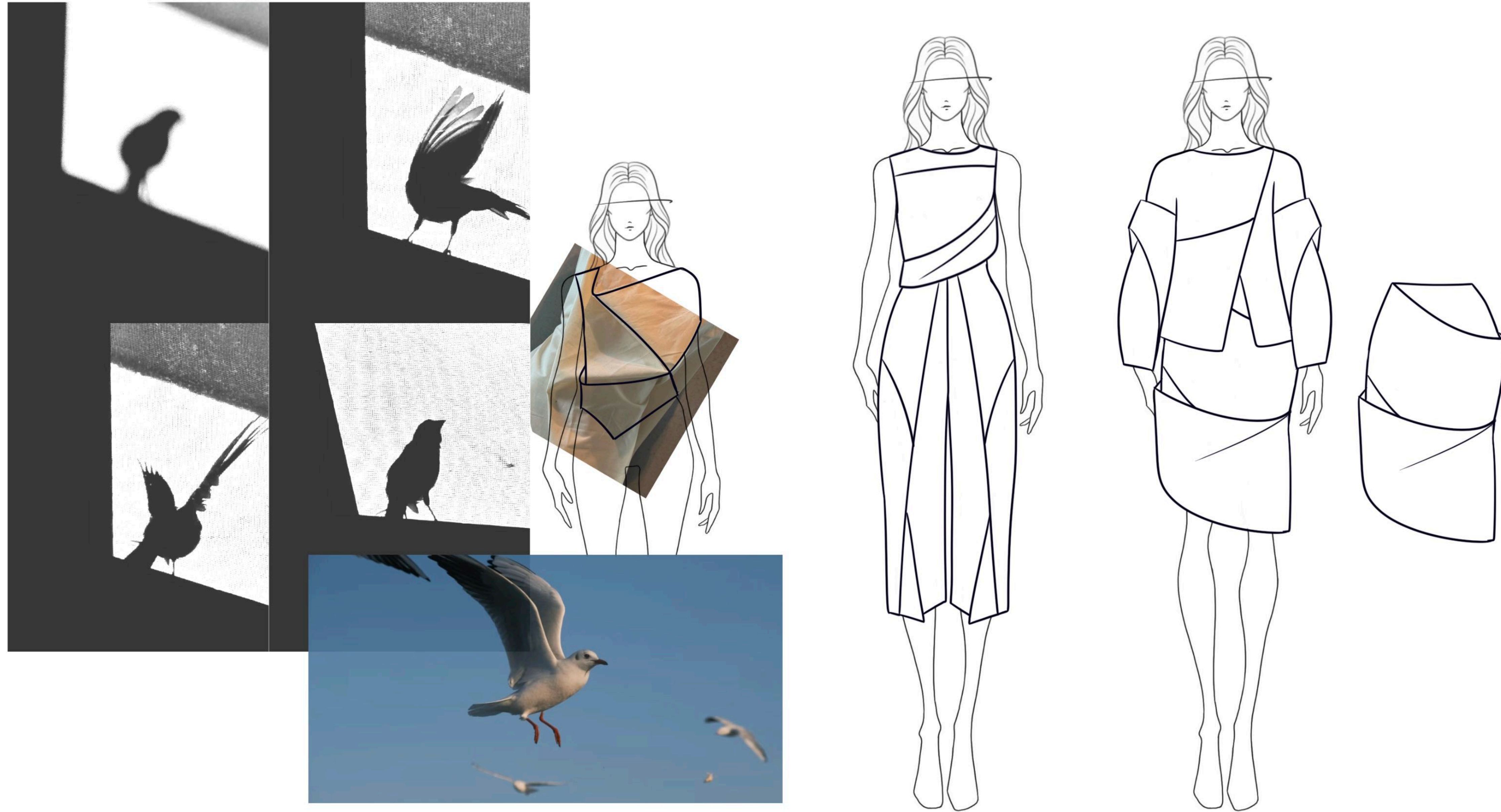
Apply gather to the design of clothing.

DESIGN DEVELOPMENT



The design is based on the shape produced when a bird flaps its wings during flight.

DESIGN DEVELOPMENT

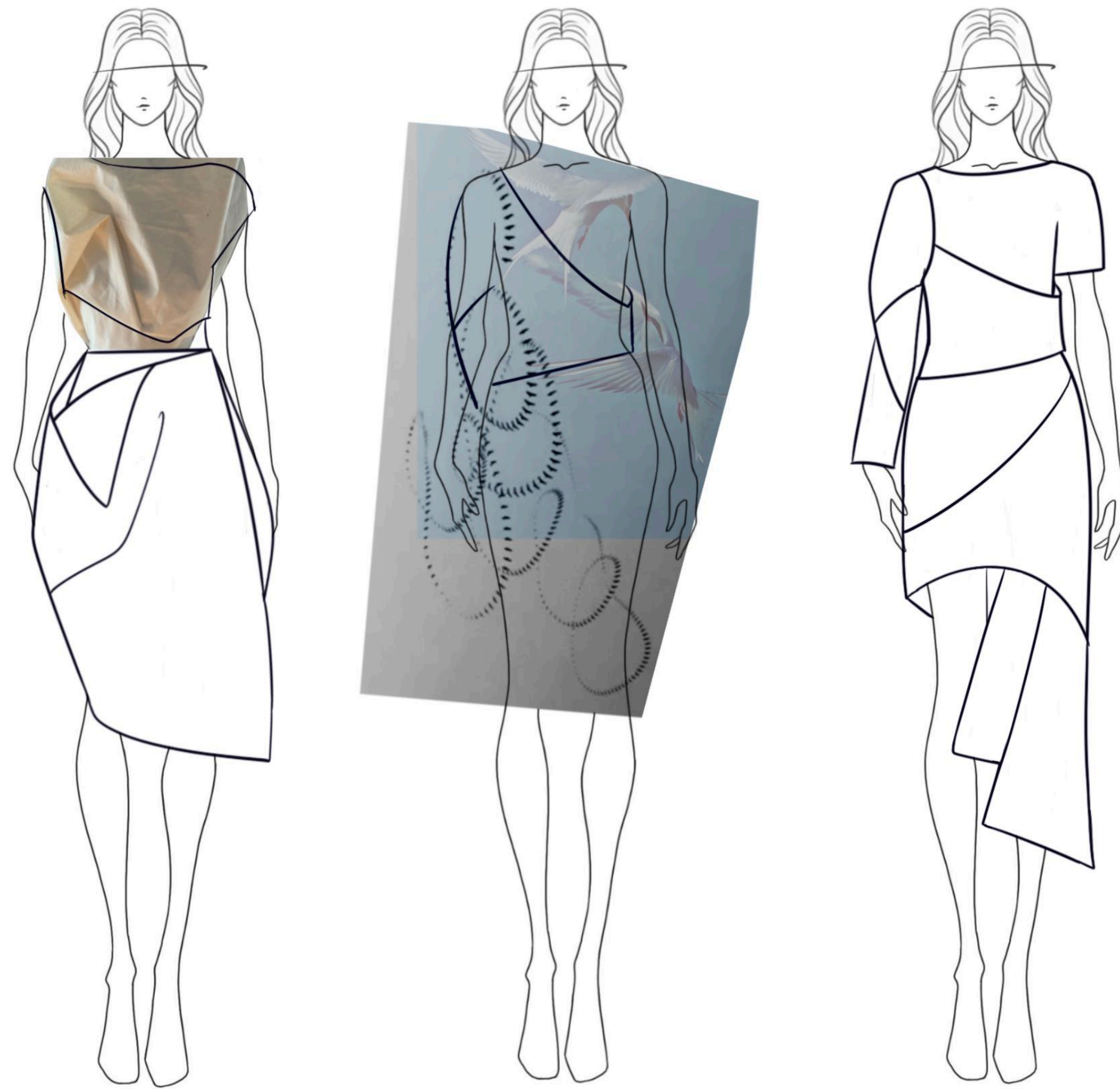


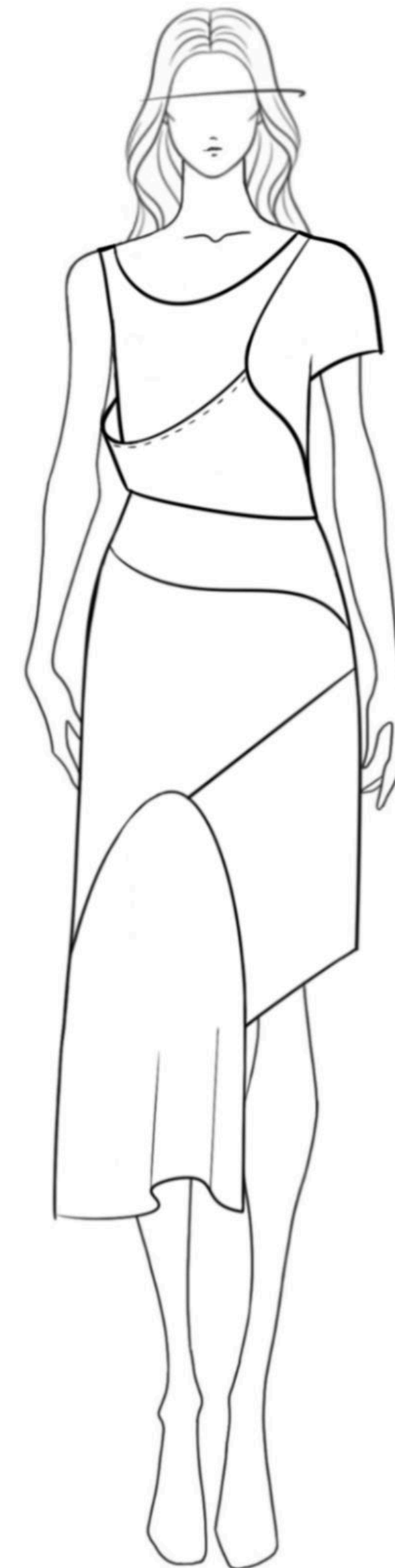
Continue to design based on the shape of a bird.



Draw inspiration from the flight trajectories of birds

DESIGN DEVELOPMENT





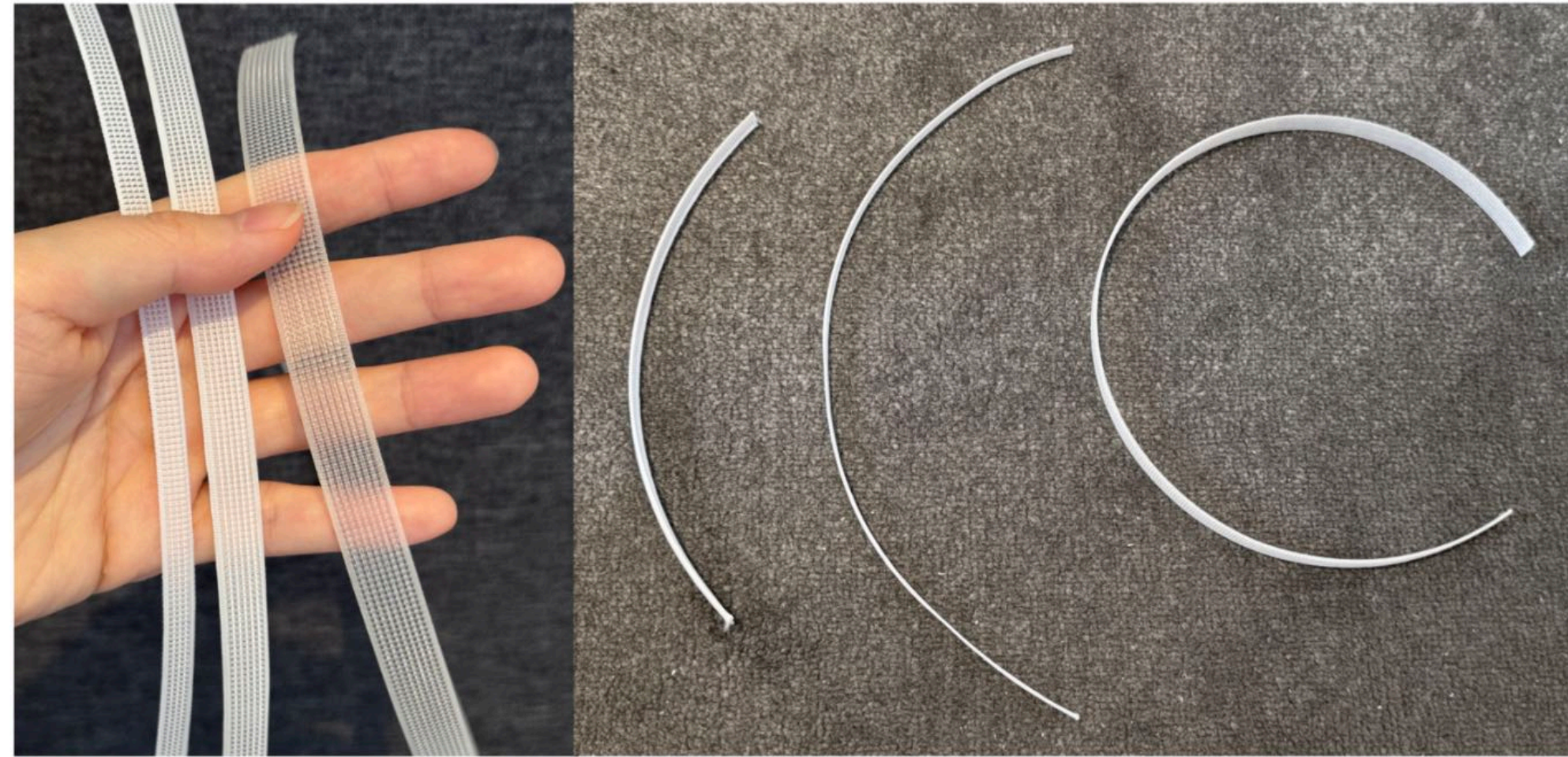
DESIGN DEVELOPMENT



Design based on the changing formations of birds



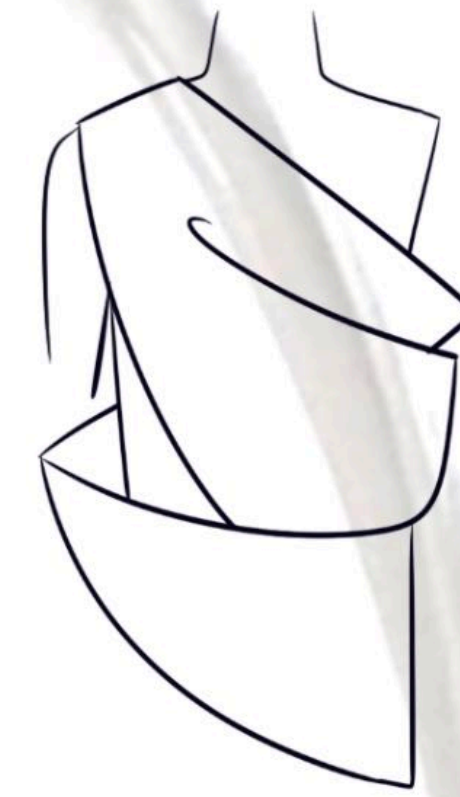
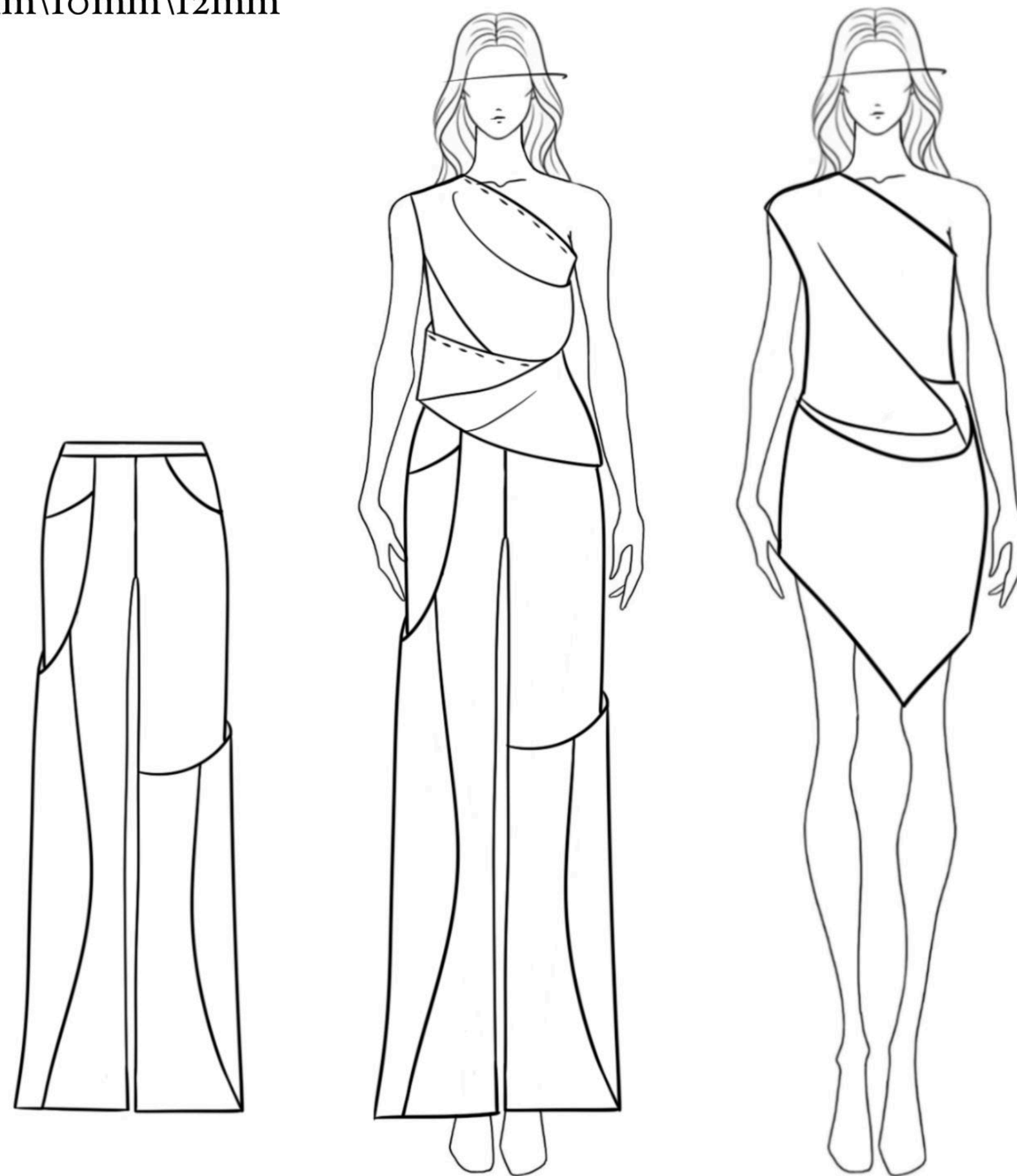
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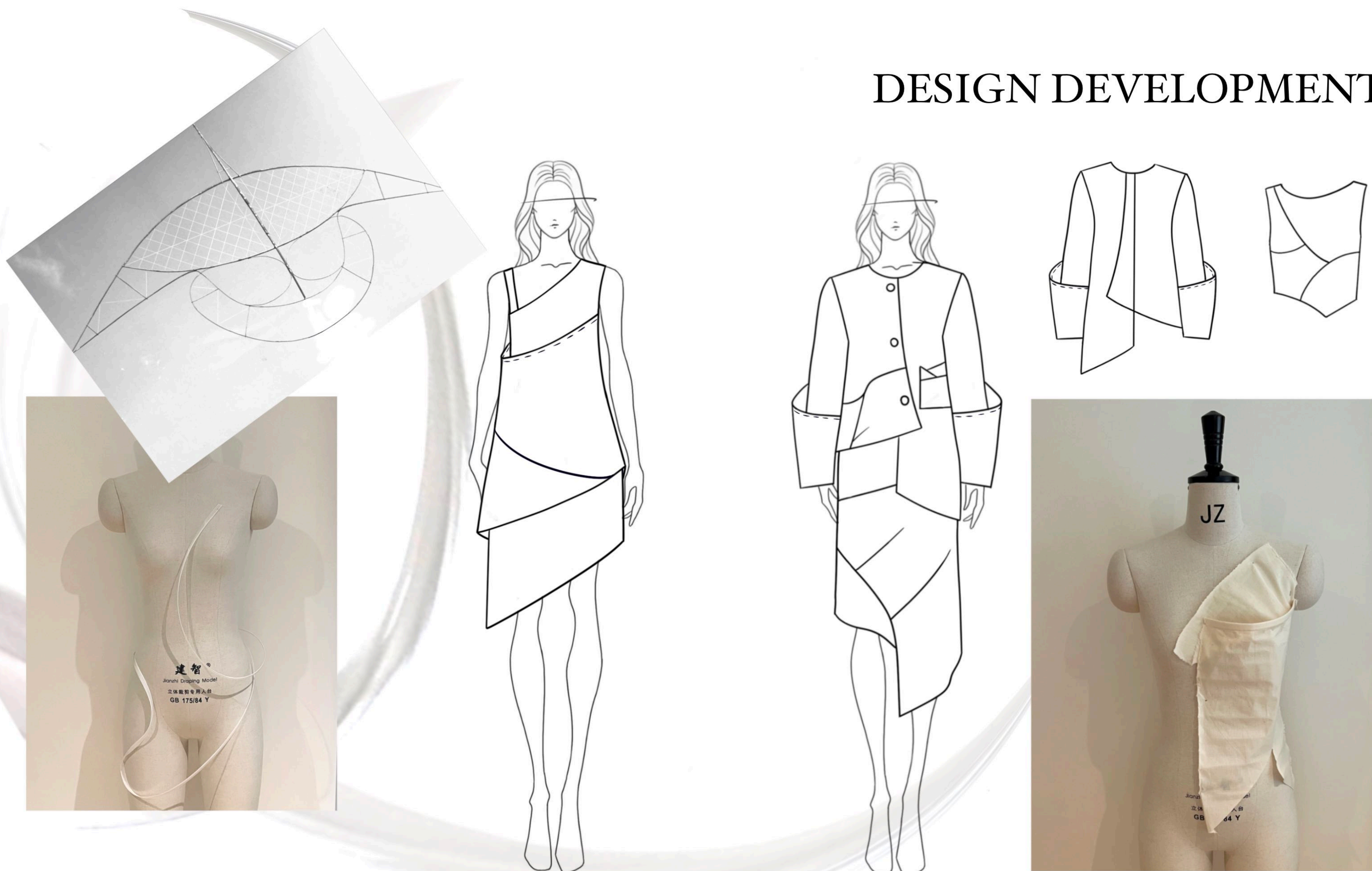
8mm\10mm\12mm

DESIGN DEVELOPMENT

Test the effects of boning of different sizes in clothes.

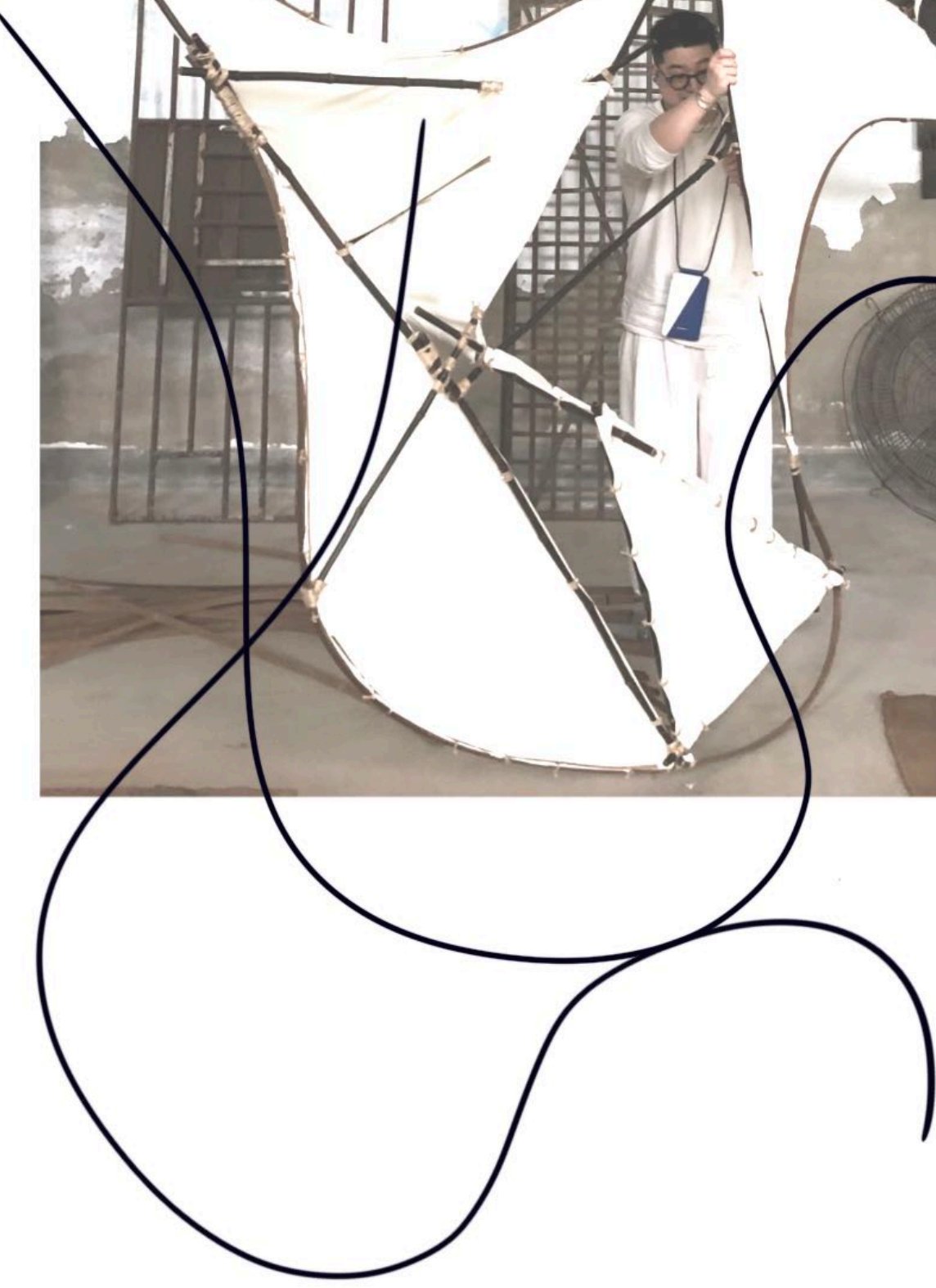
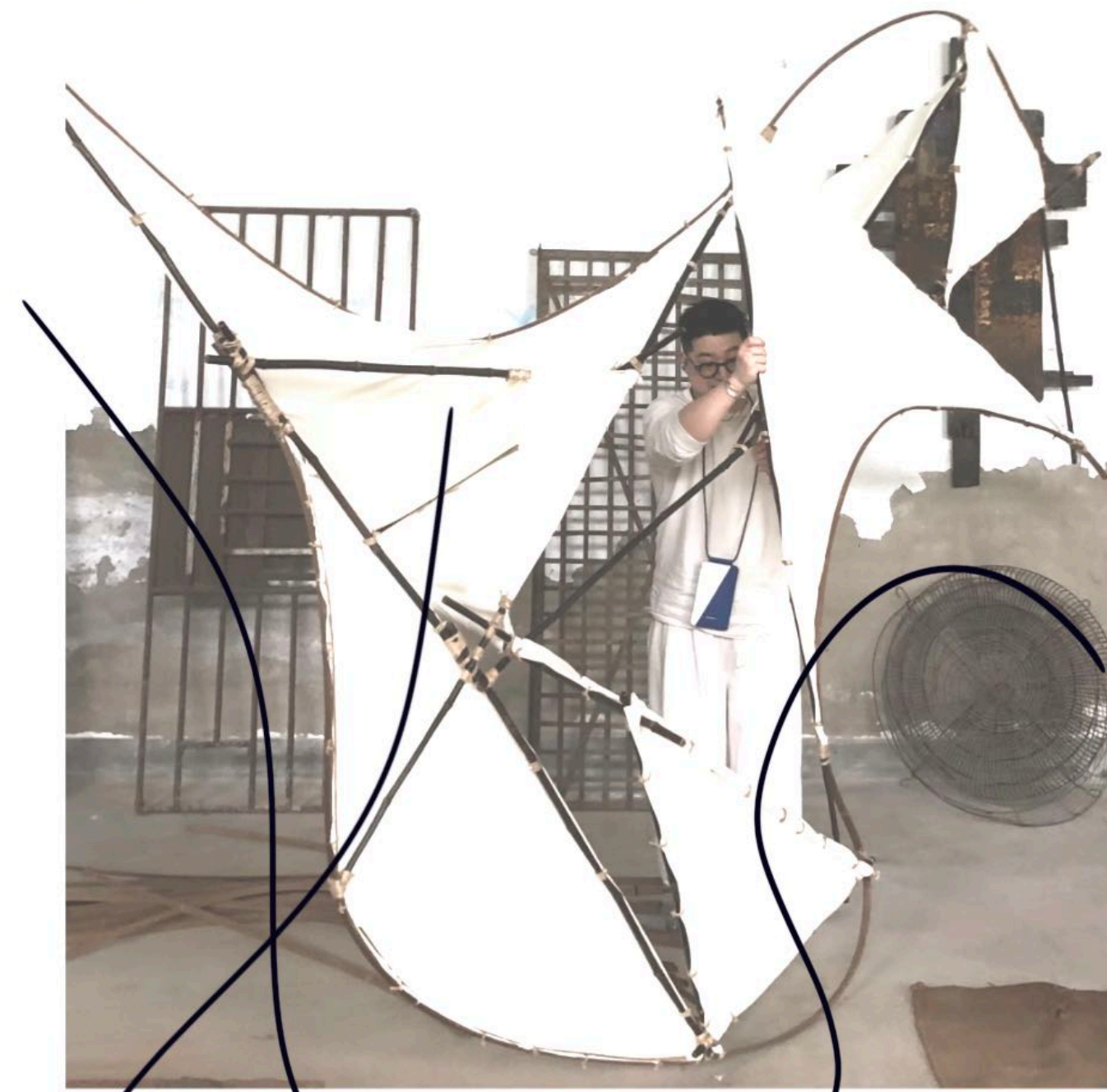


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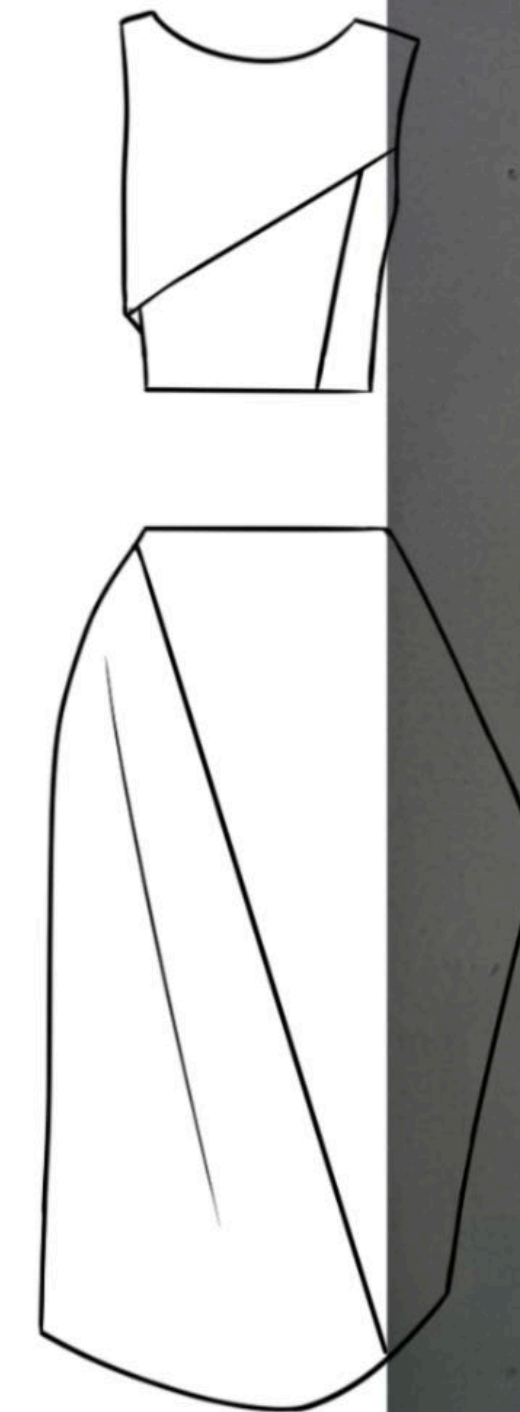


The profile is extracted by changing the shape of the boning.

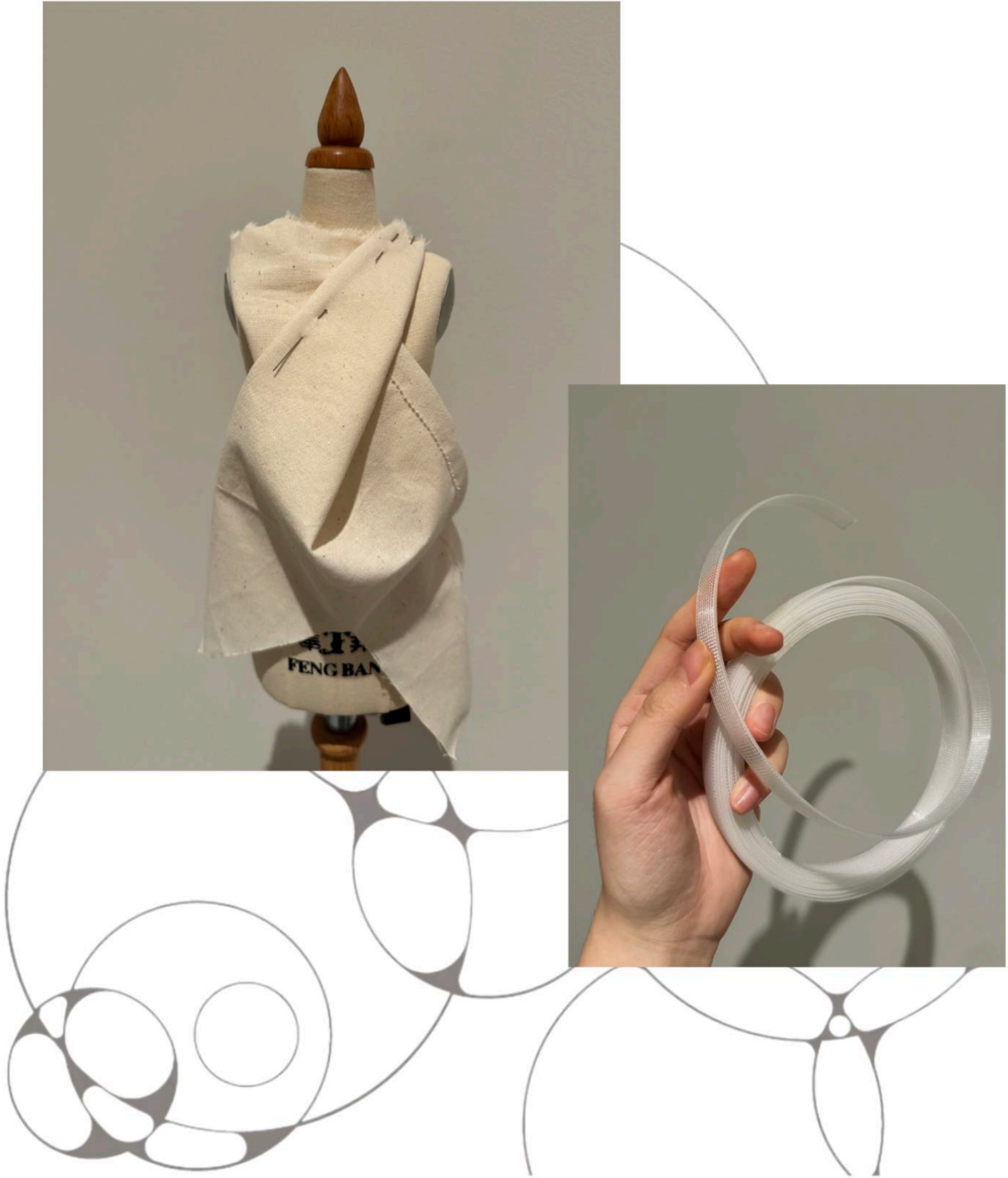
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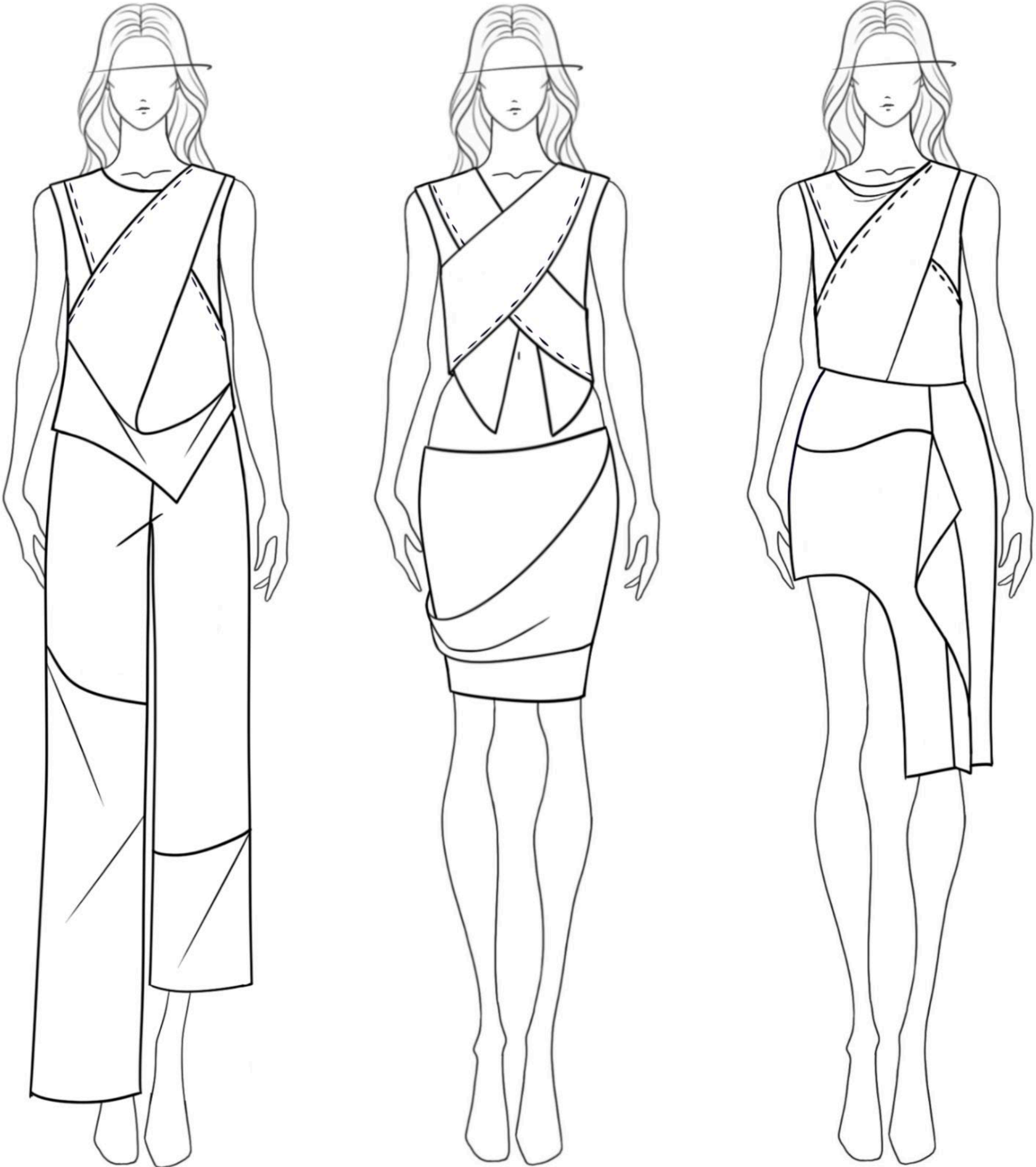
Draw the design drawing through the curves of the bones in the kite.



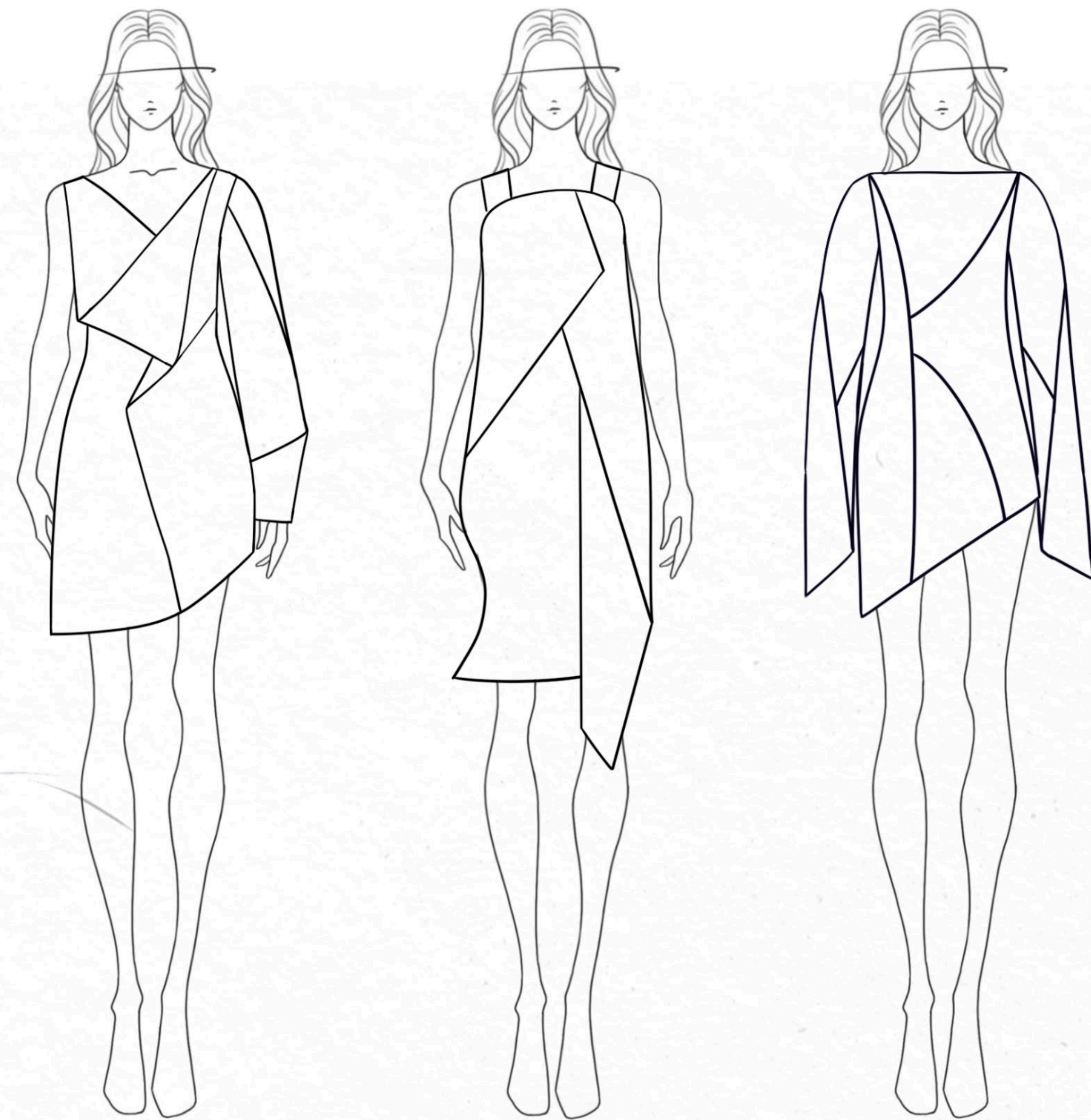
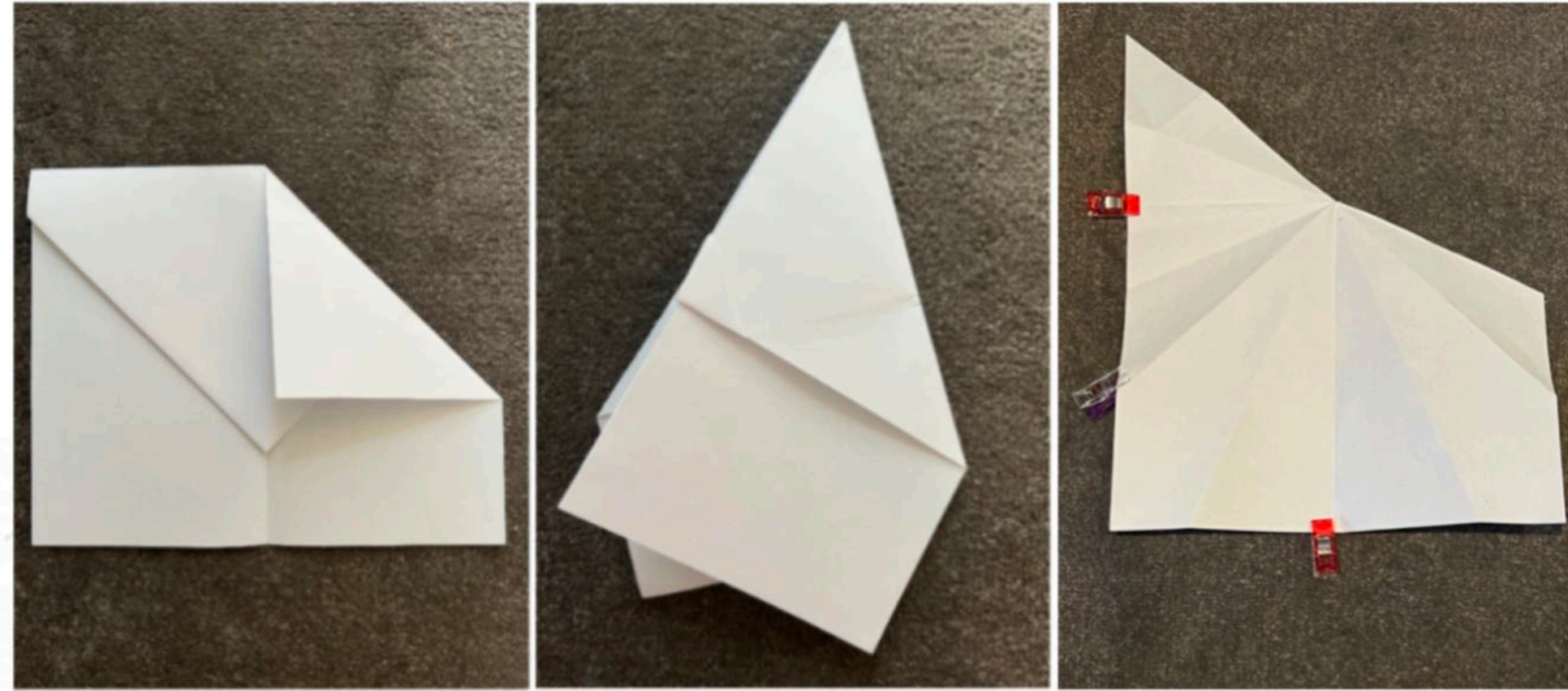
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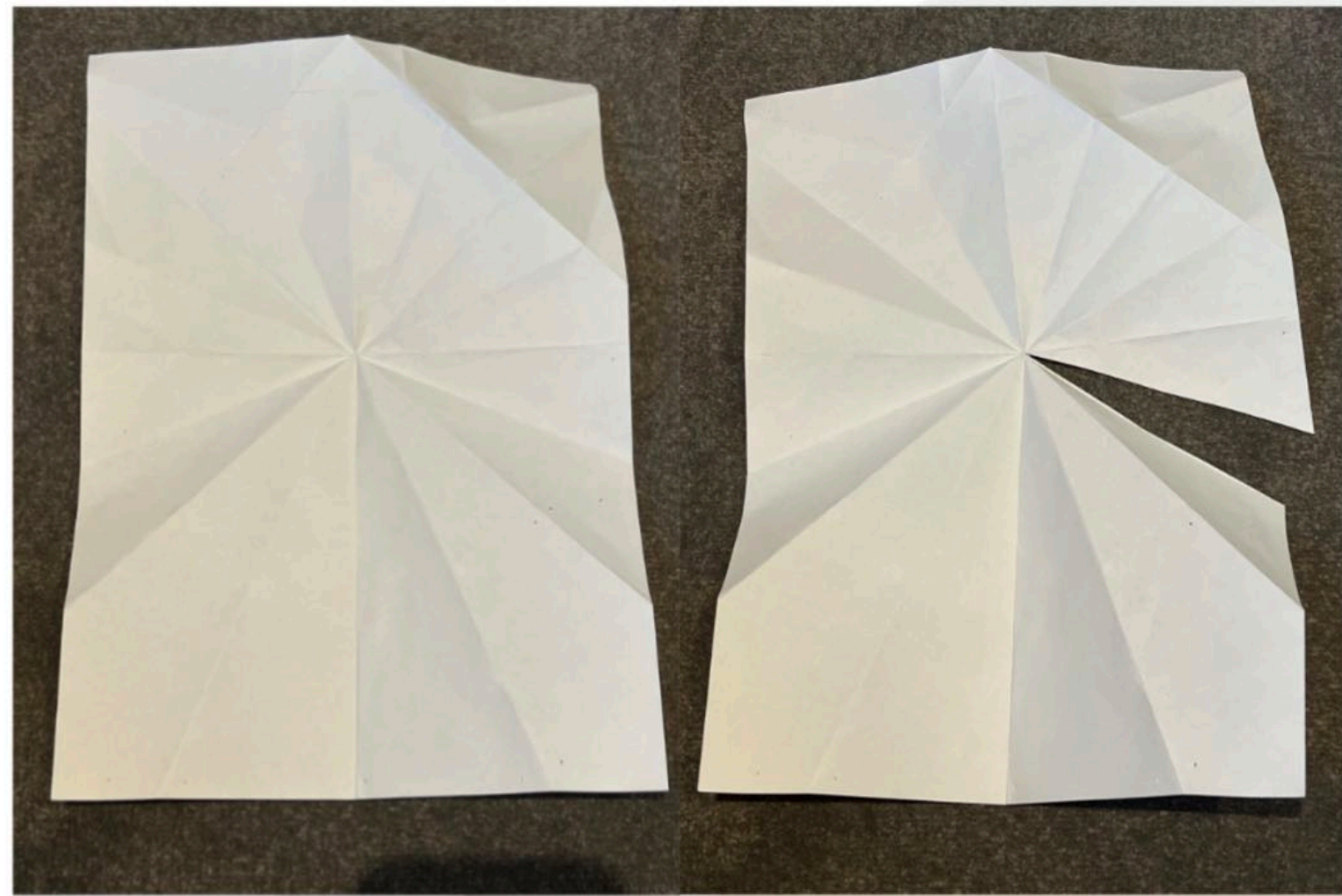
Interweave the boning in the calico to search for the silhouette



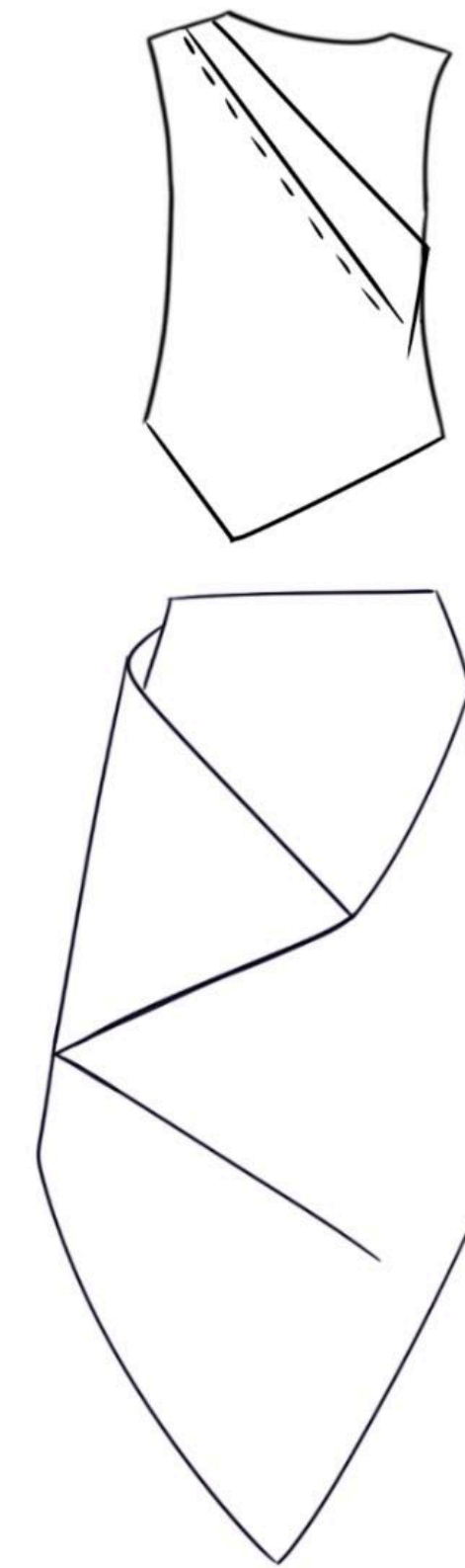
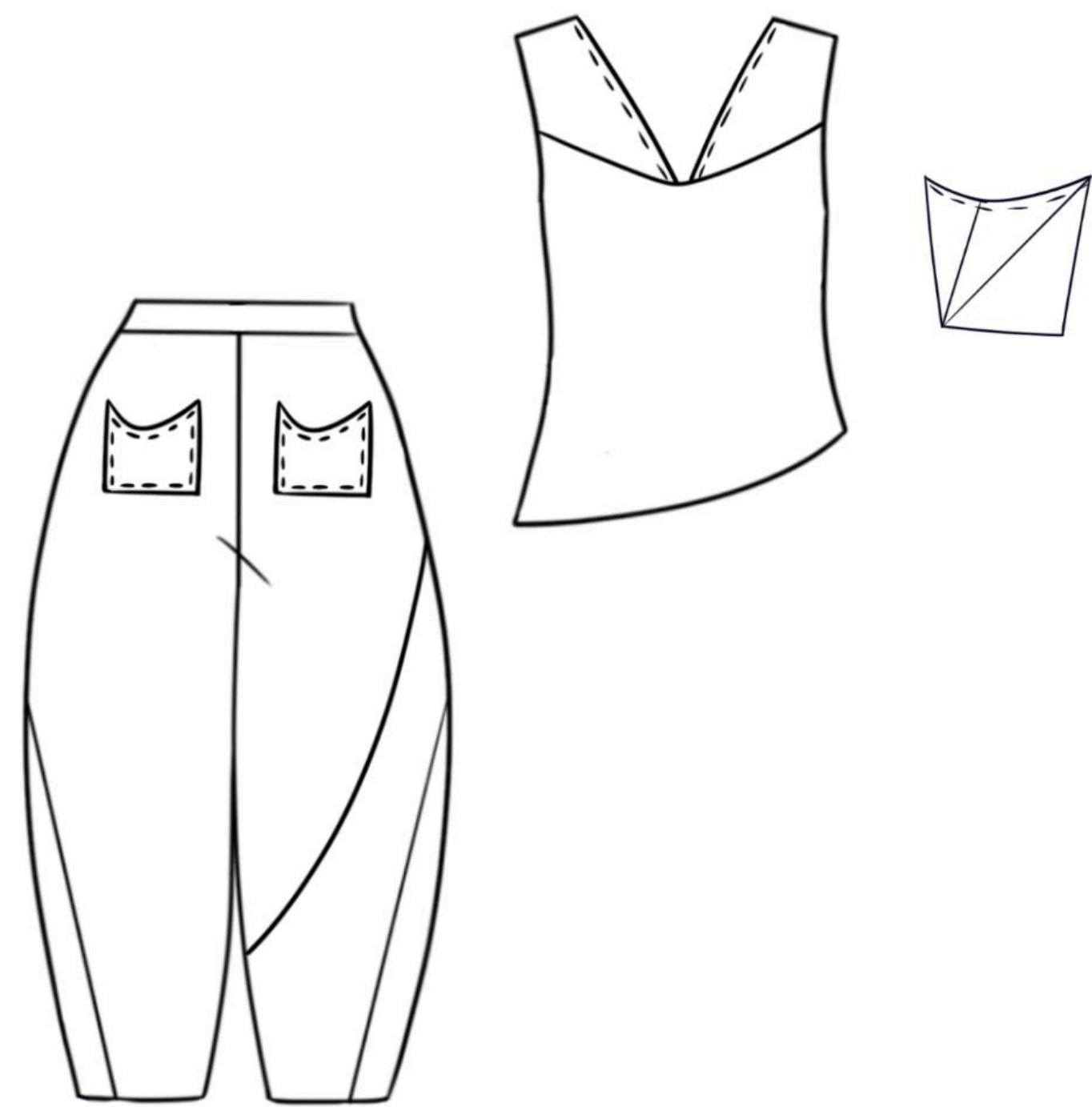
DESIGN DEVELOPMENT



After folding a paper airplane, open up the paper, look for creases and reason backwards to create a design.



Cut along the crease and design according to the cut shape.

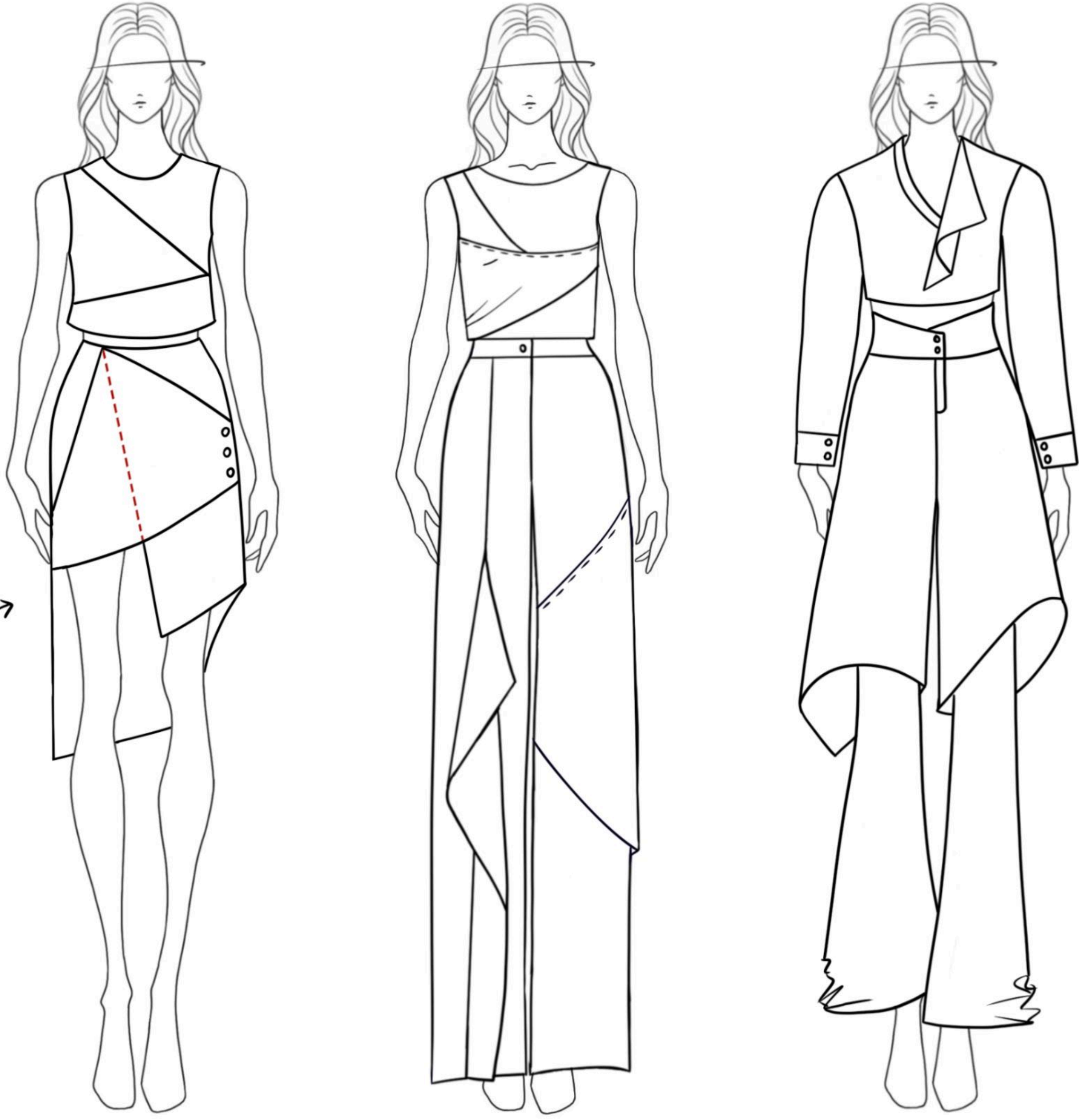


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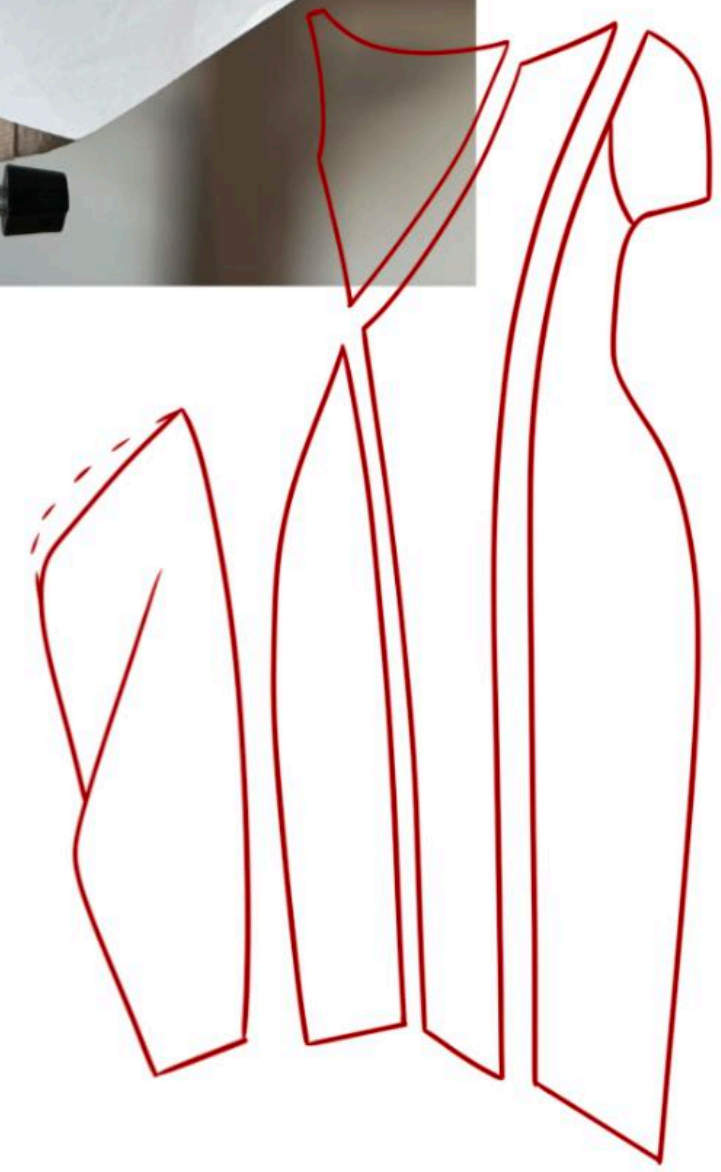
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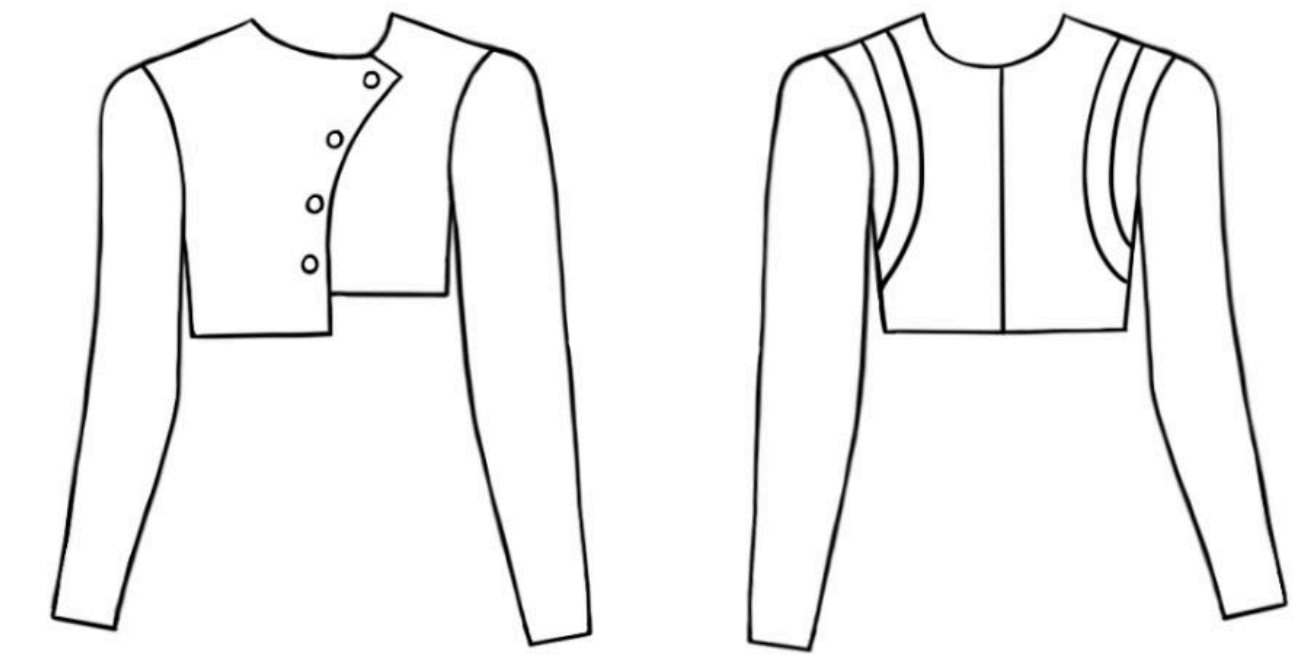
Foldable →



Designed to incorporate elements of folding, gathering and boning.



Arrange the cut paper in the mannequin and design by wrapping and folding it around.

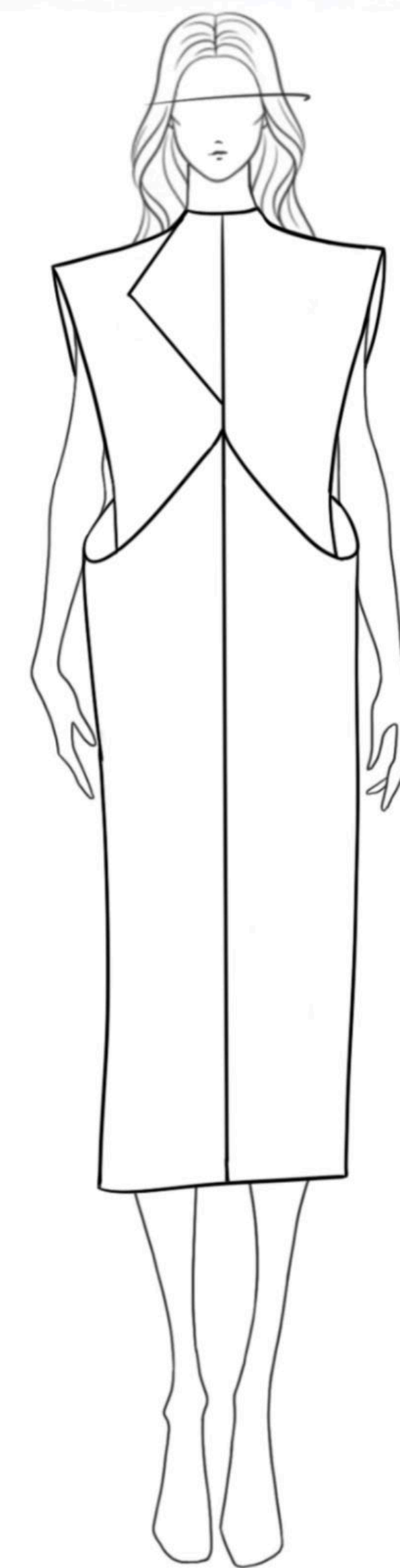


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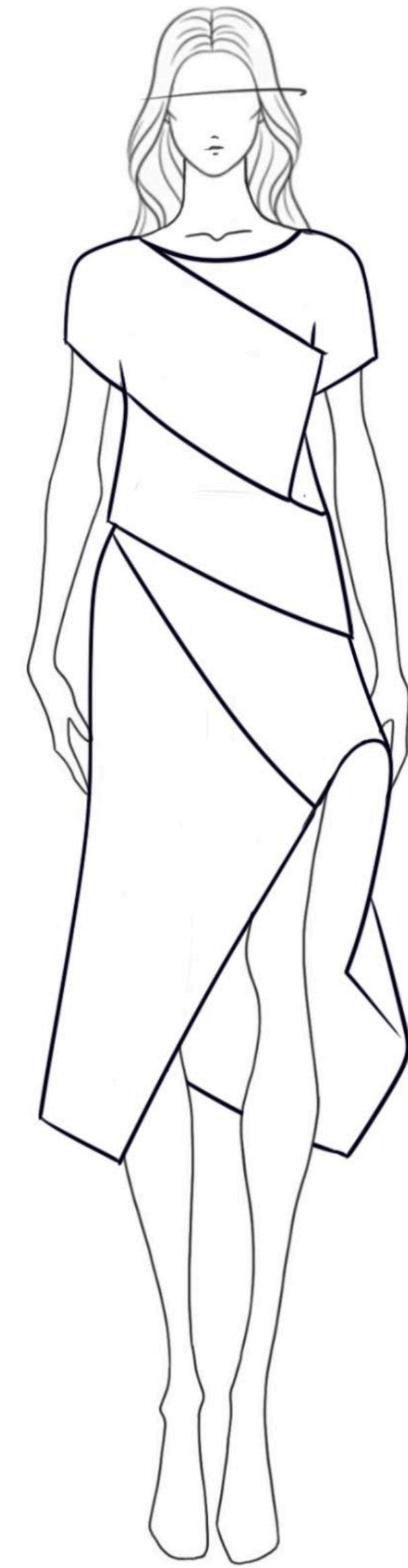
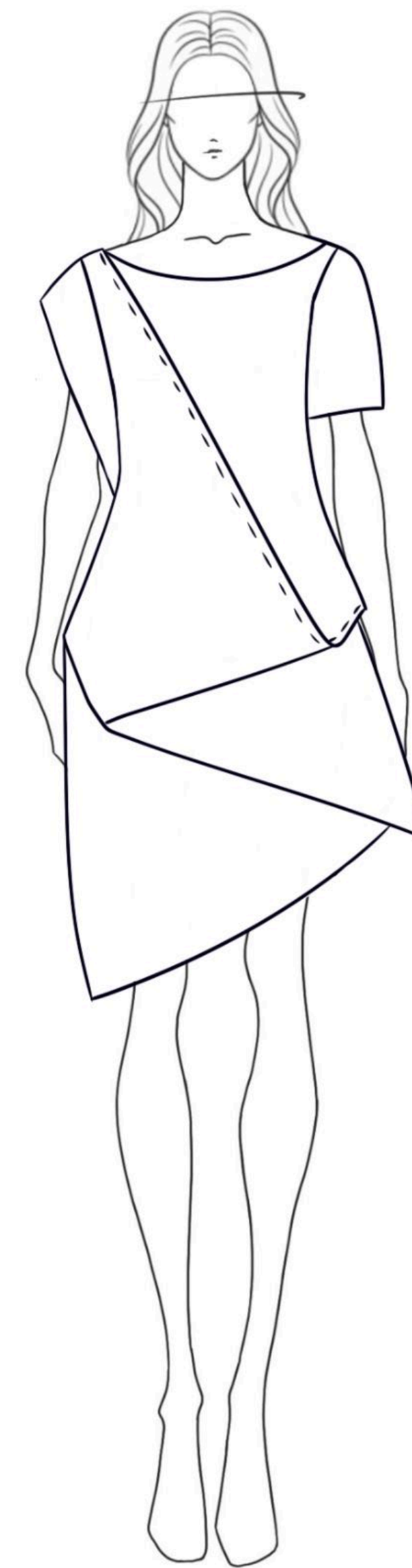
DESIGN DEVELOPMENT



Try to create a three-dimensional folding effect.

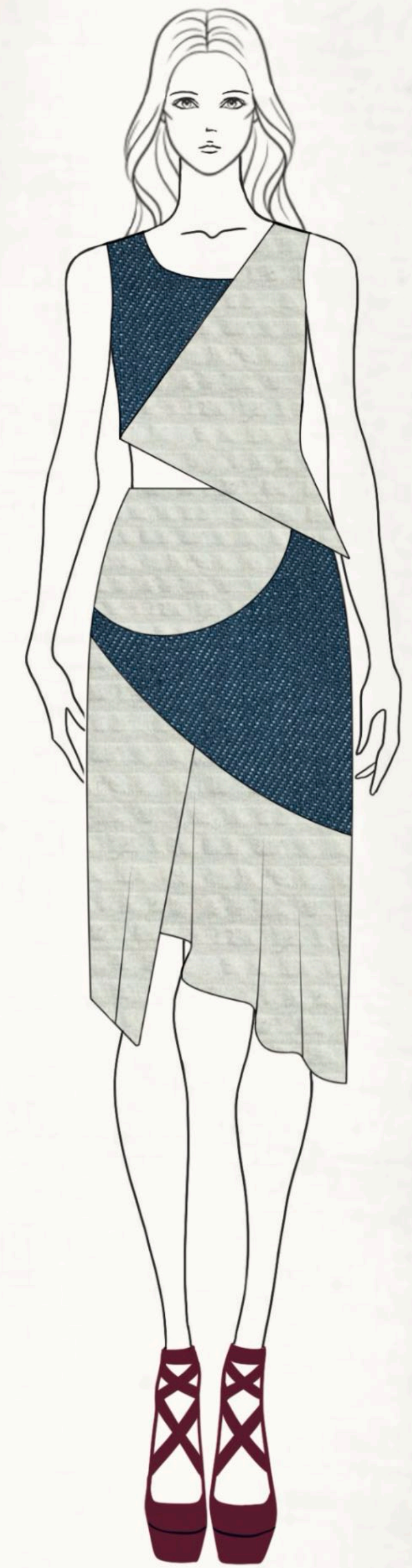
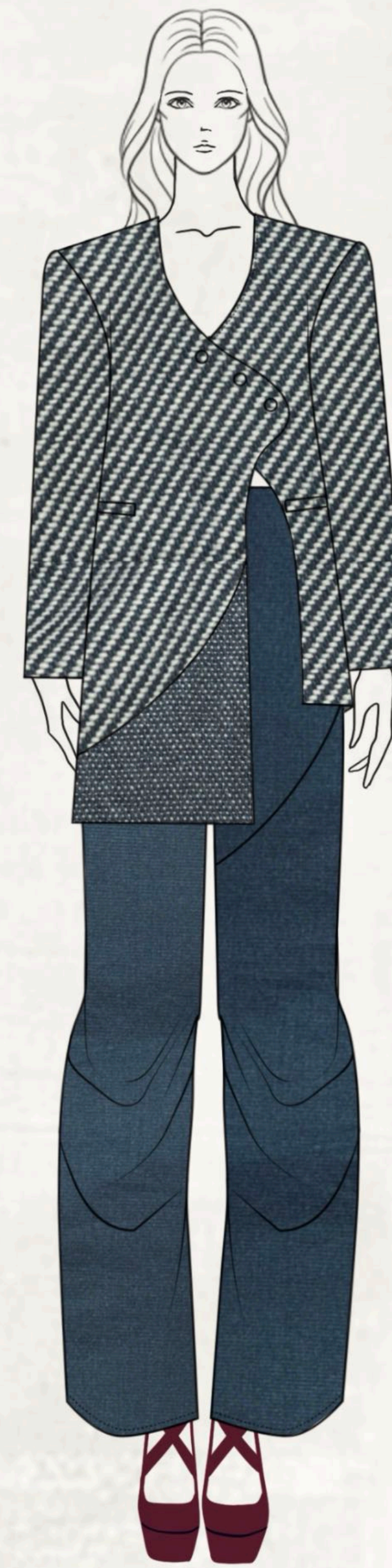
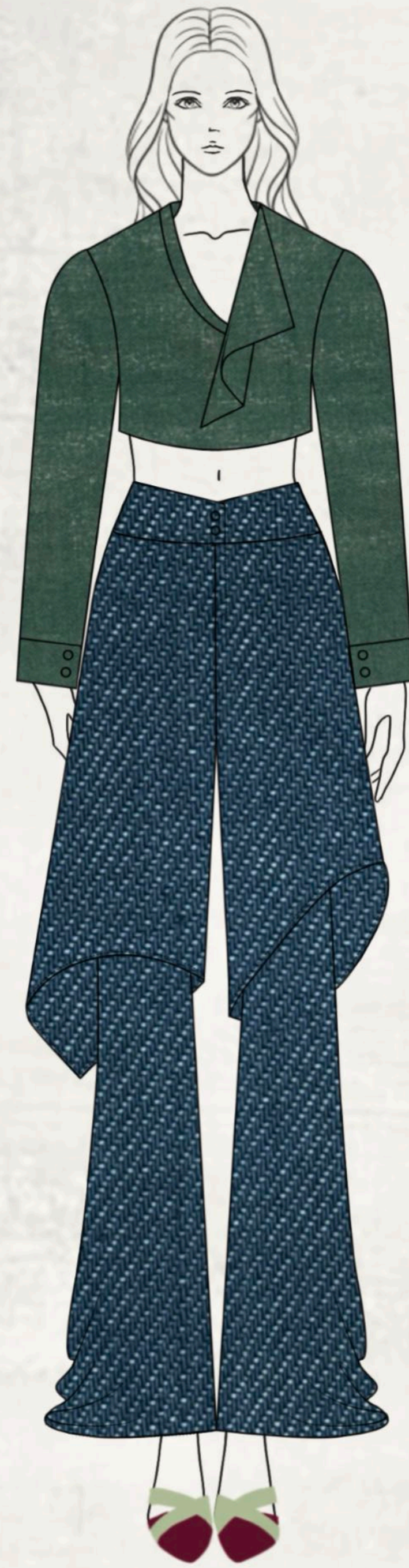
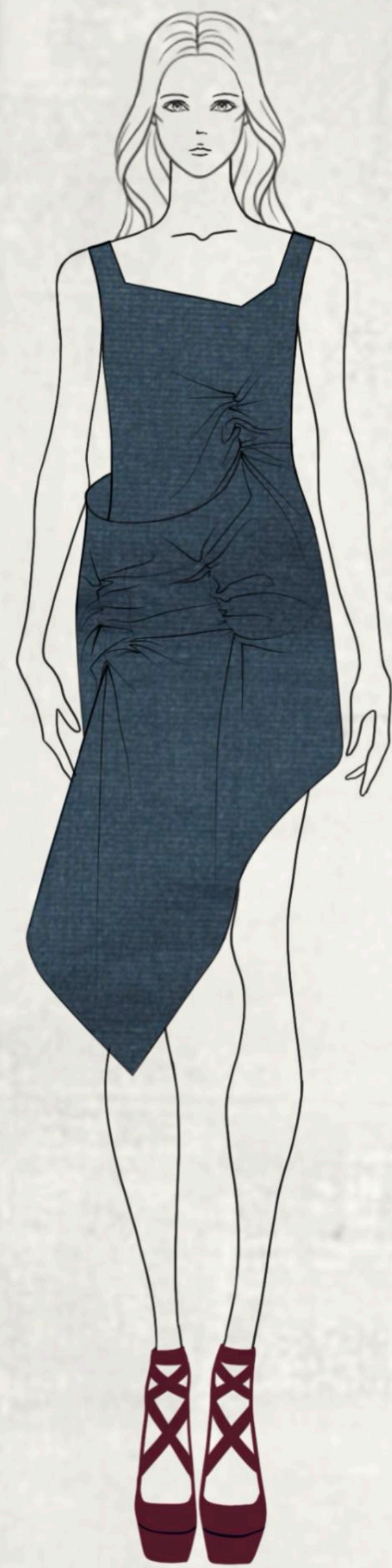


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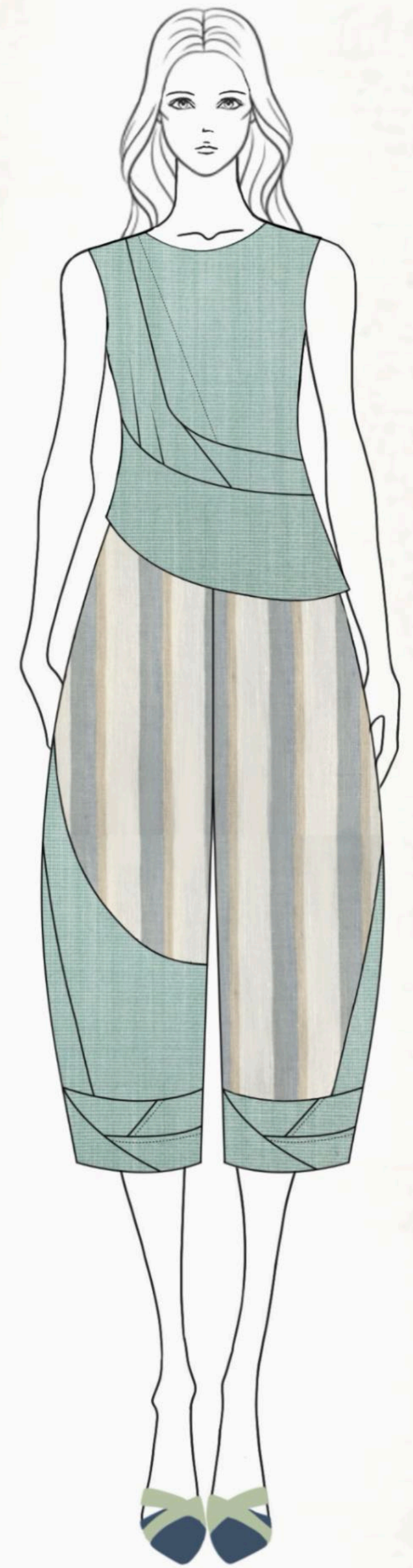
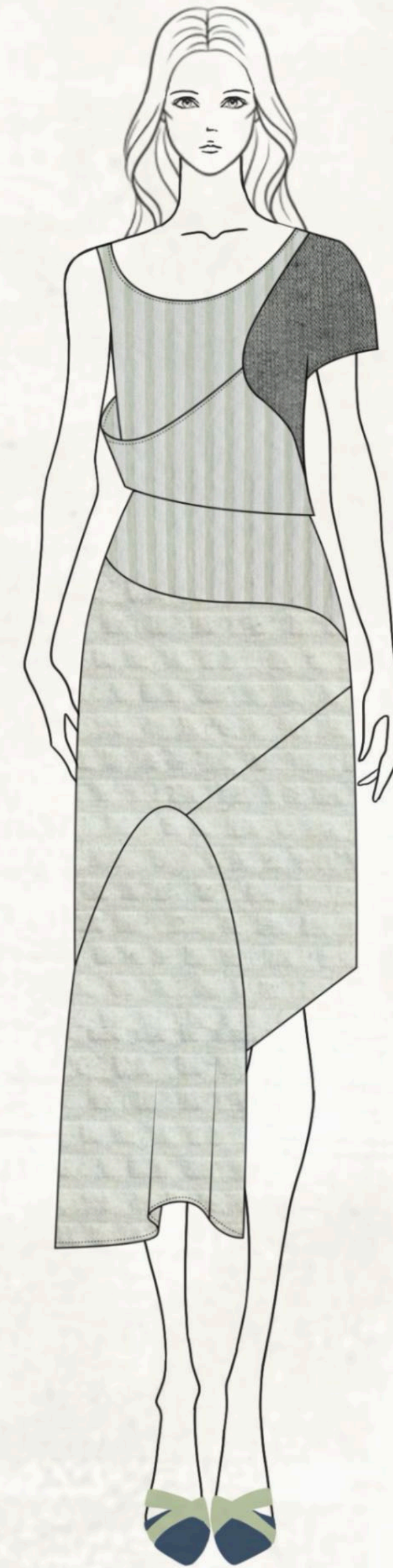
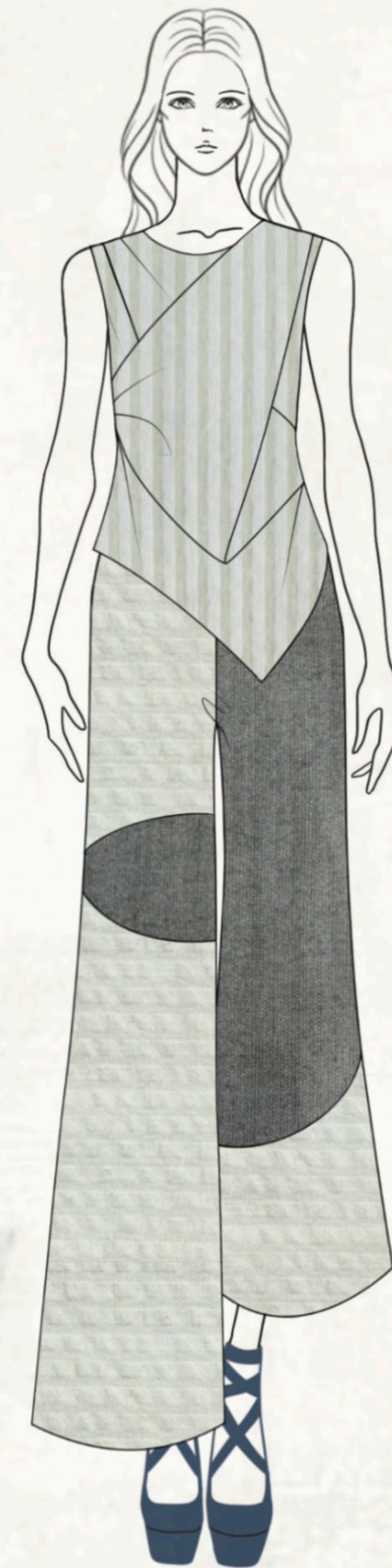
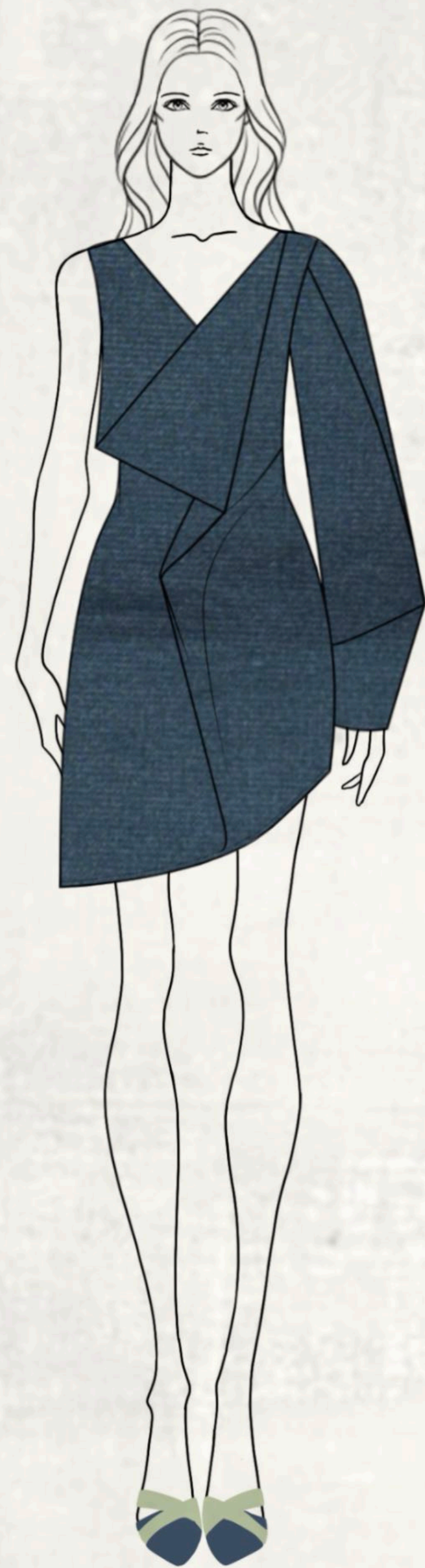


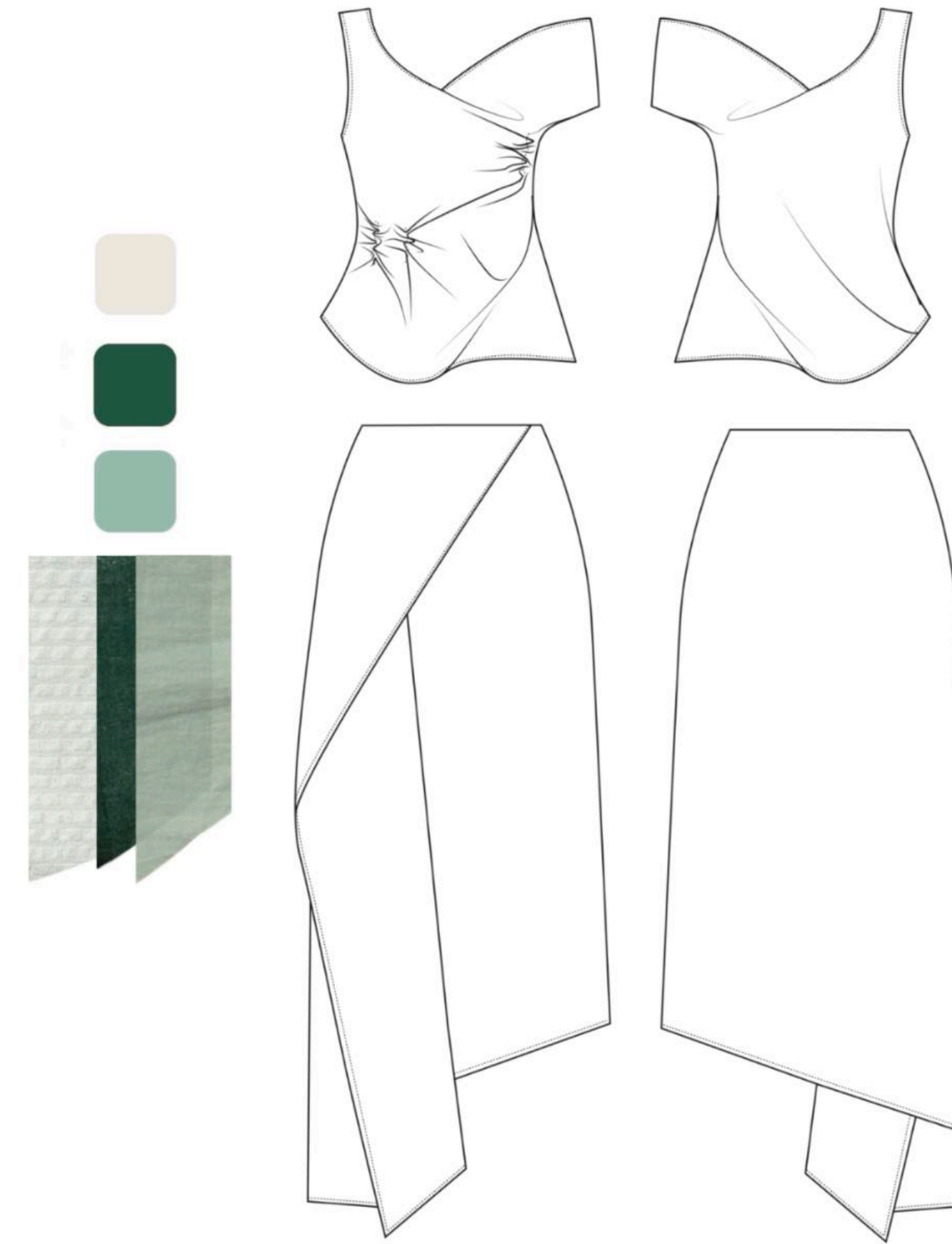
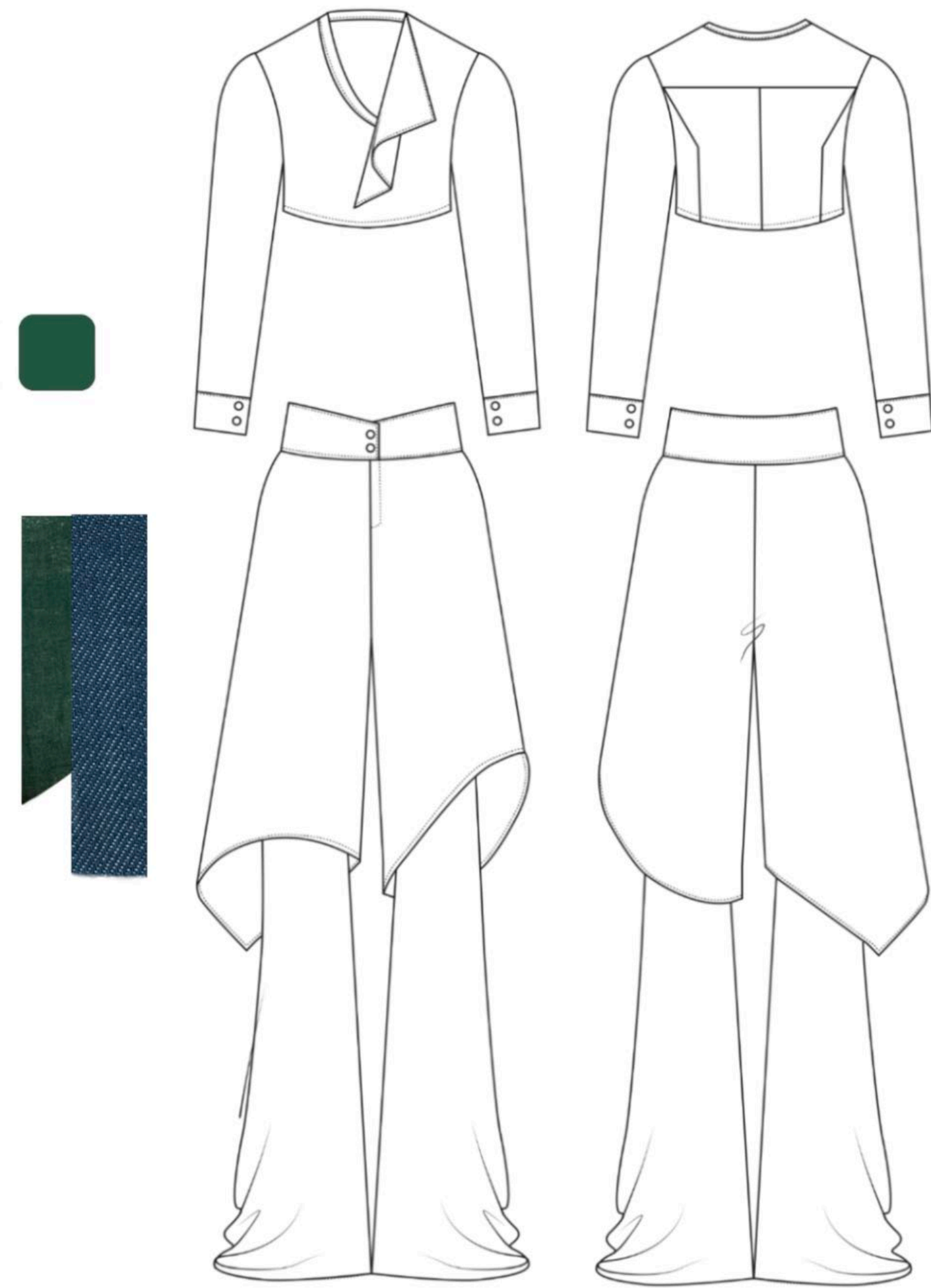
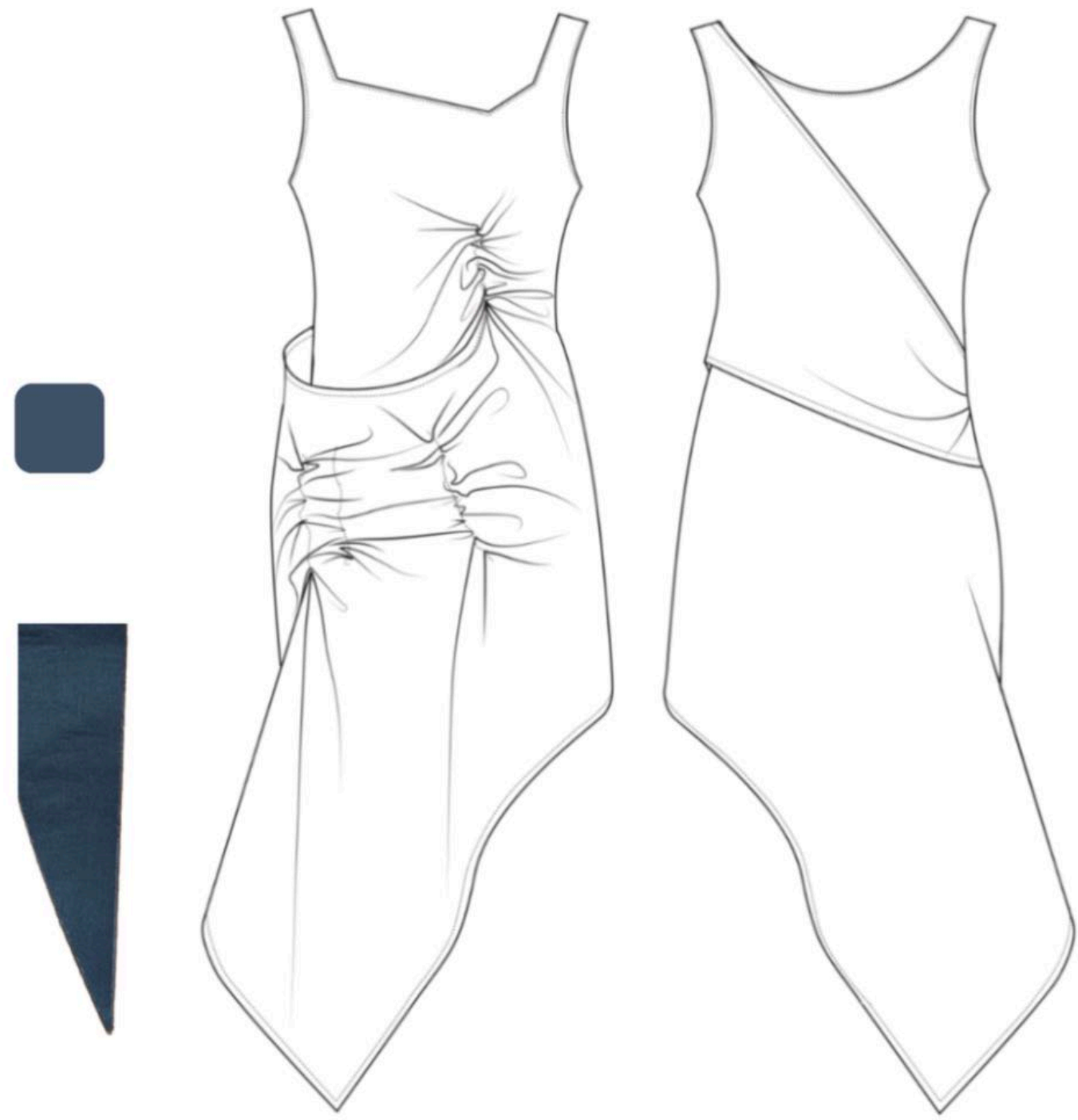
Search for new silhouettes by constantly folding calico.

LINE UP

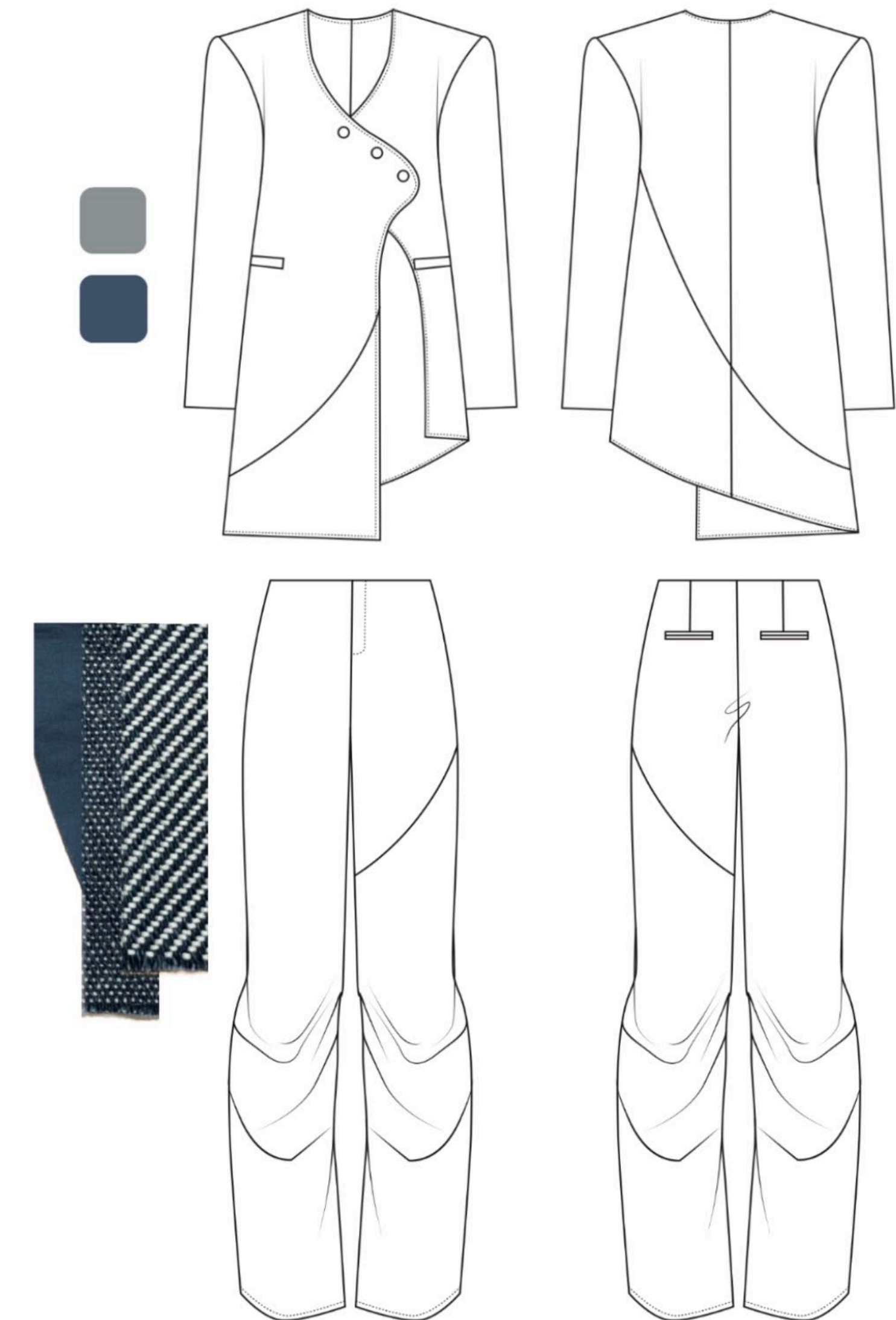
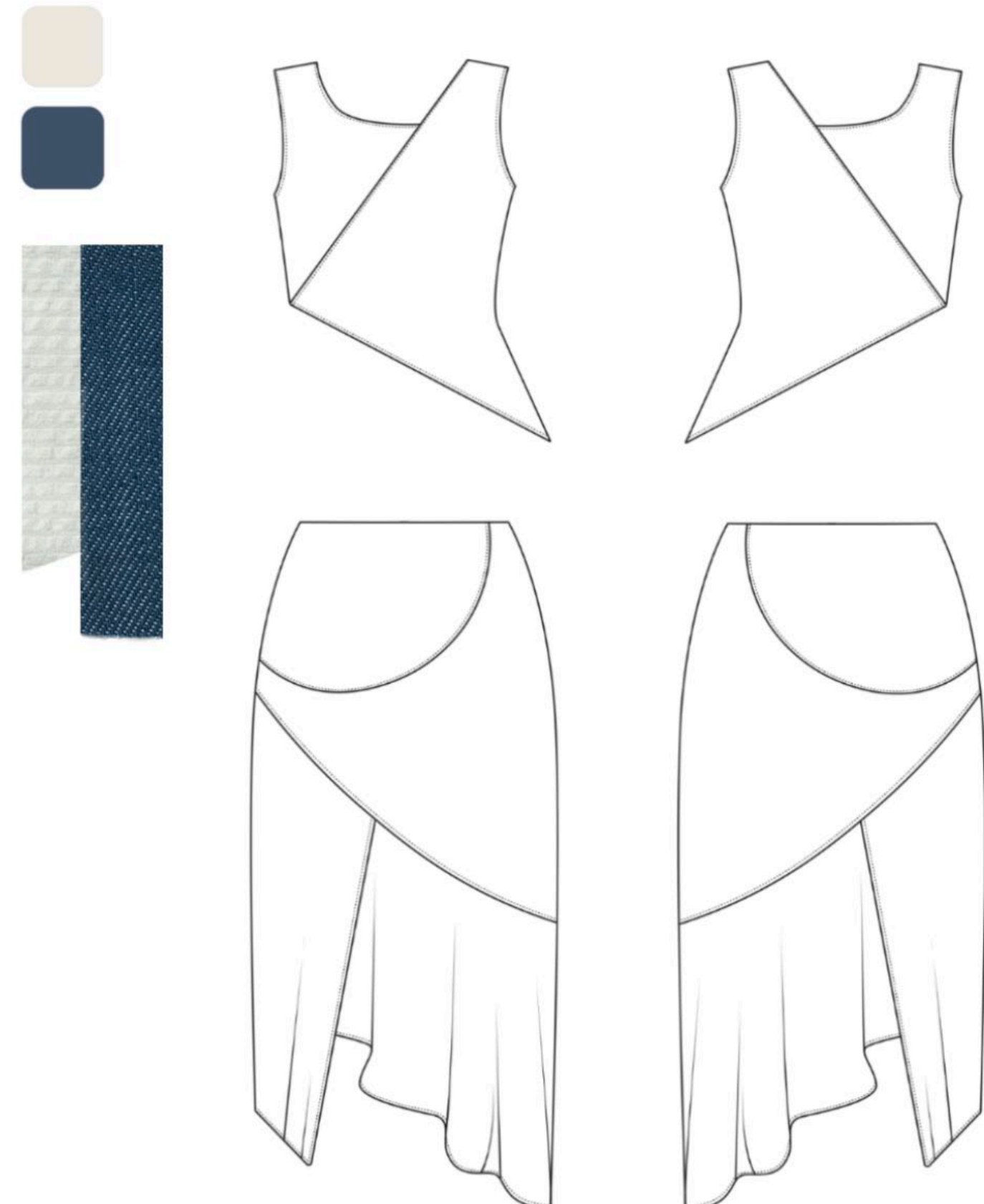
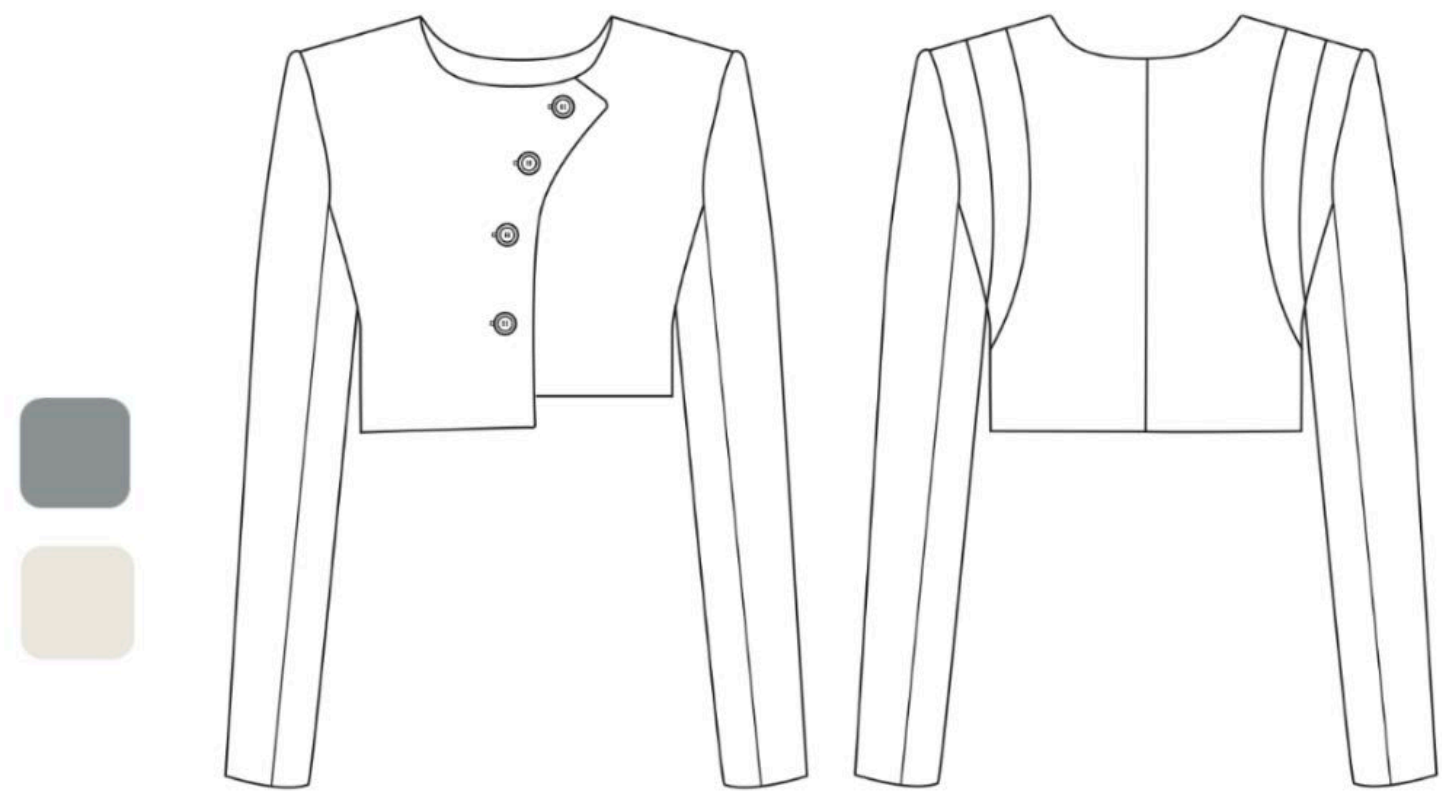


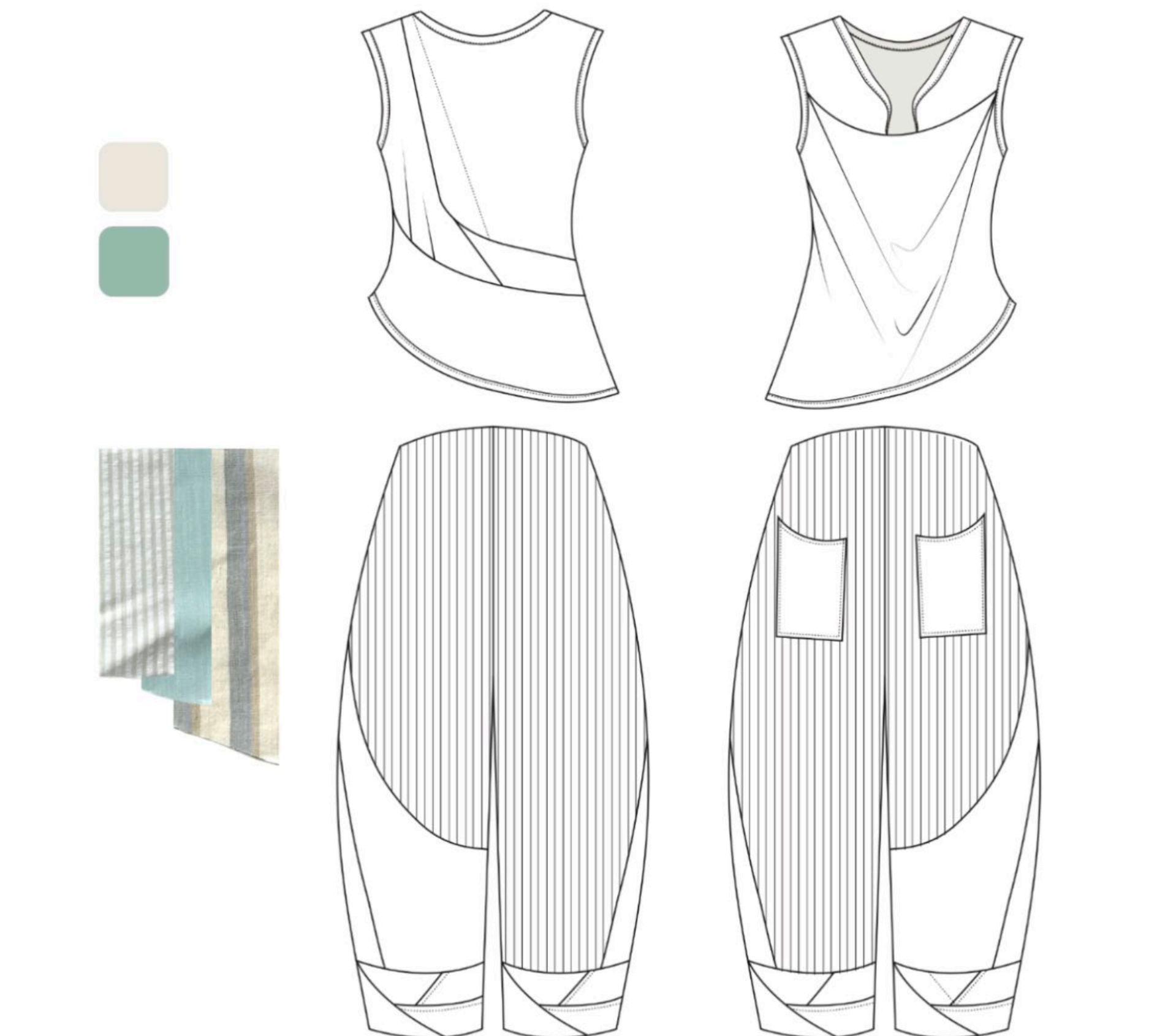
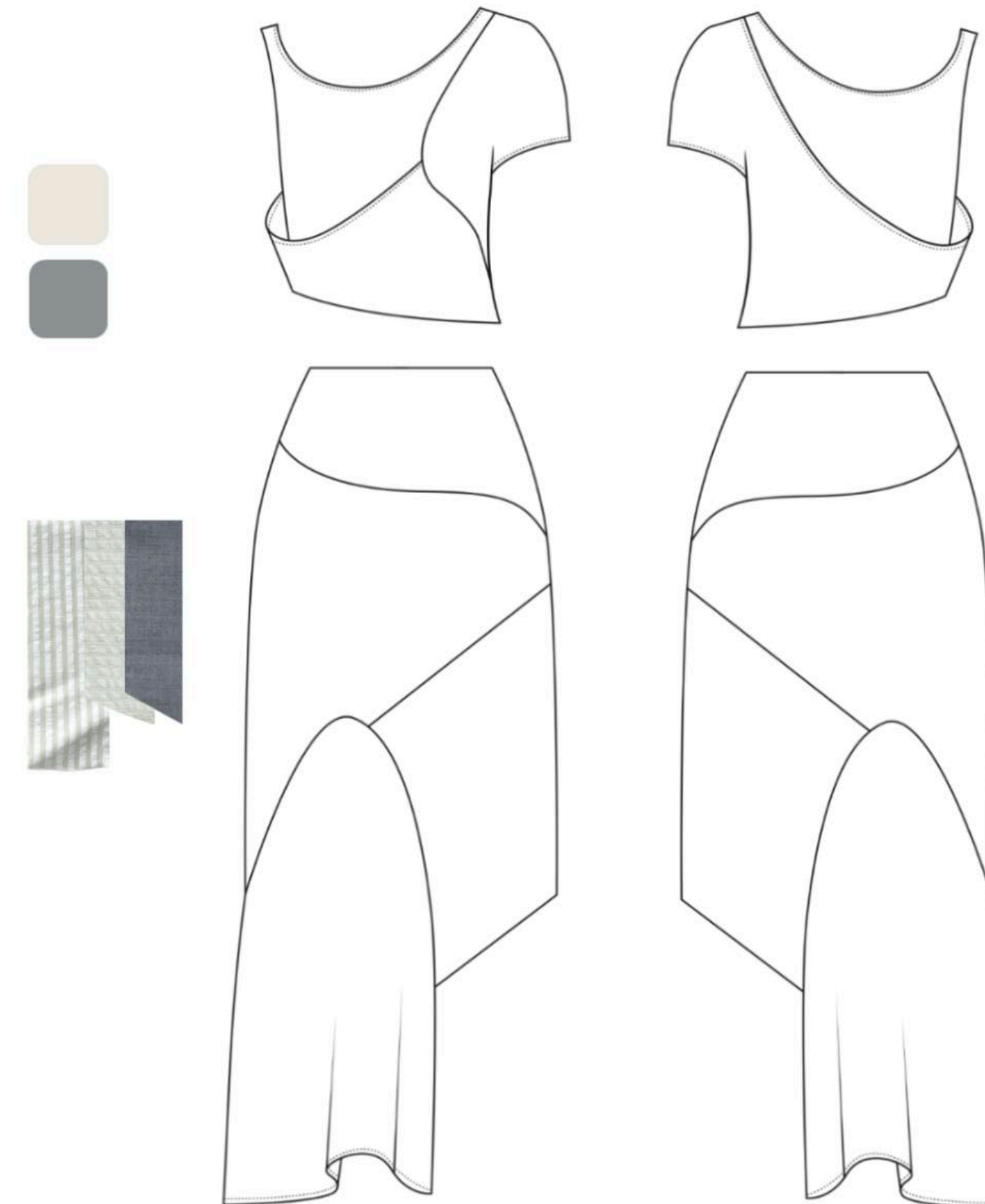
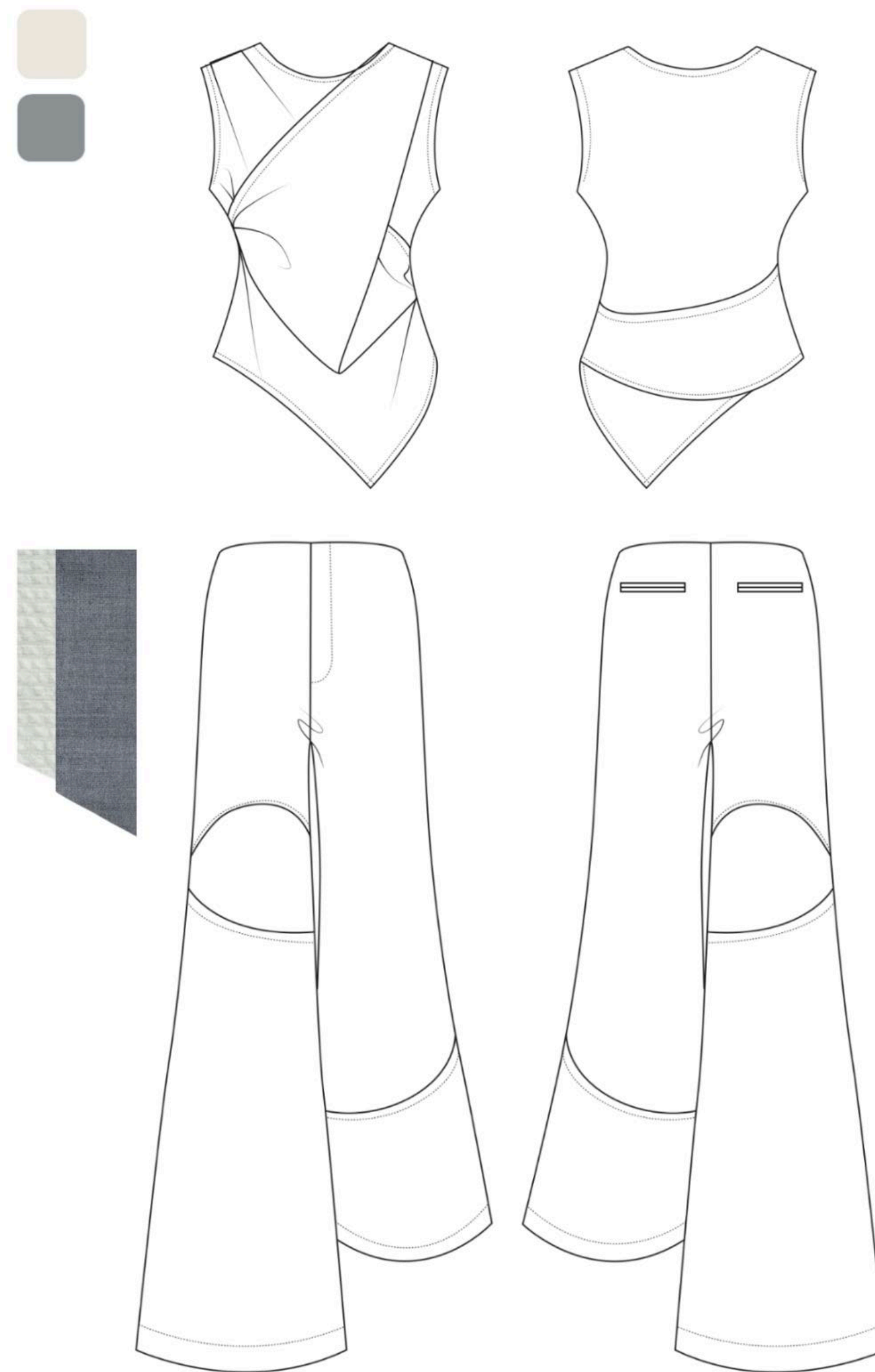
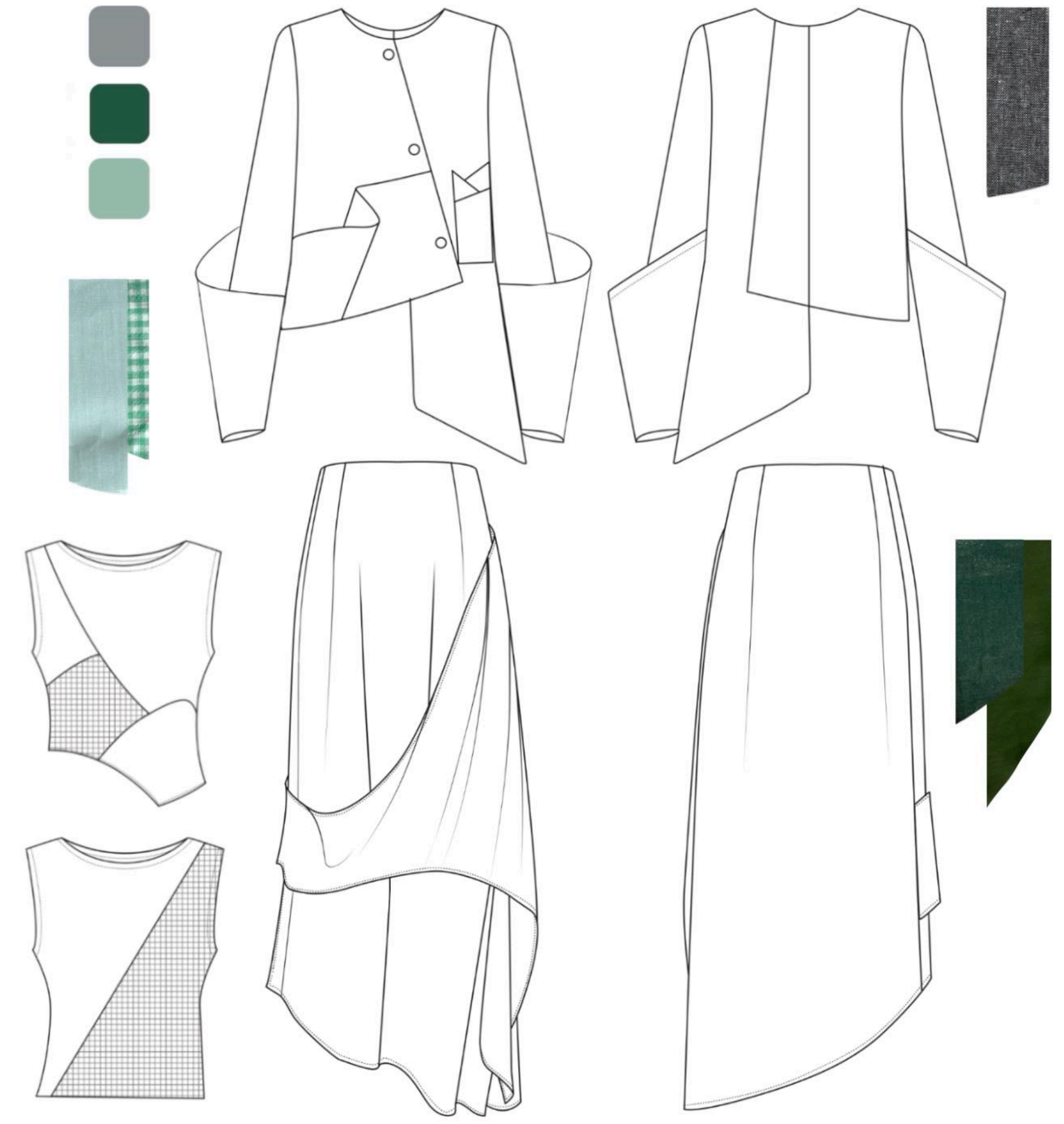
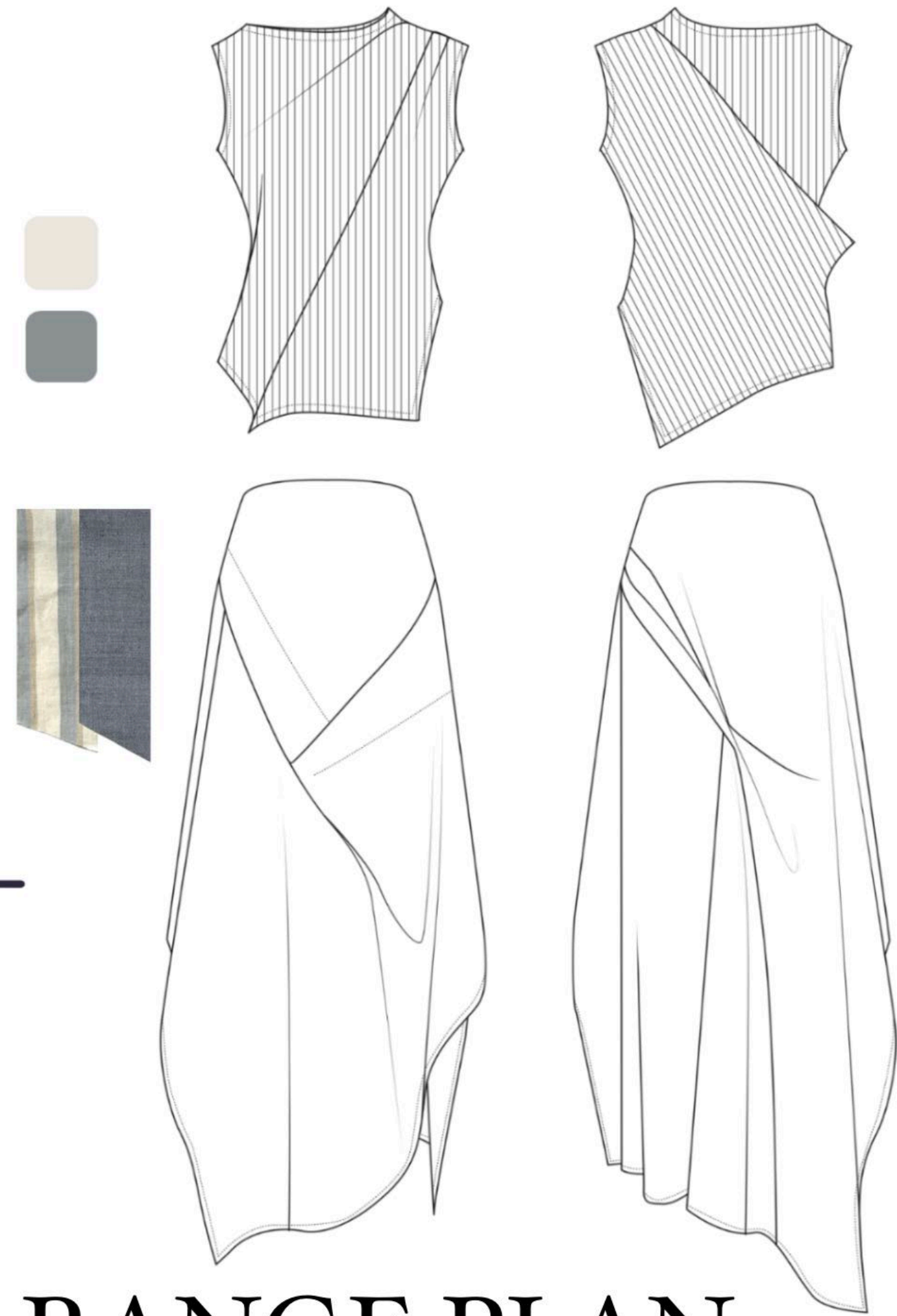
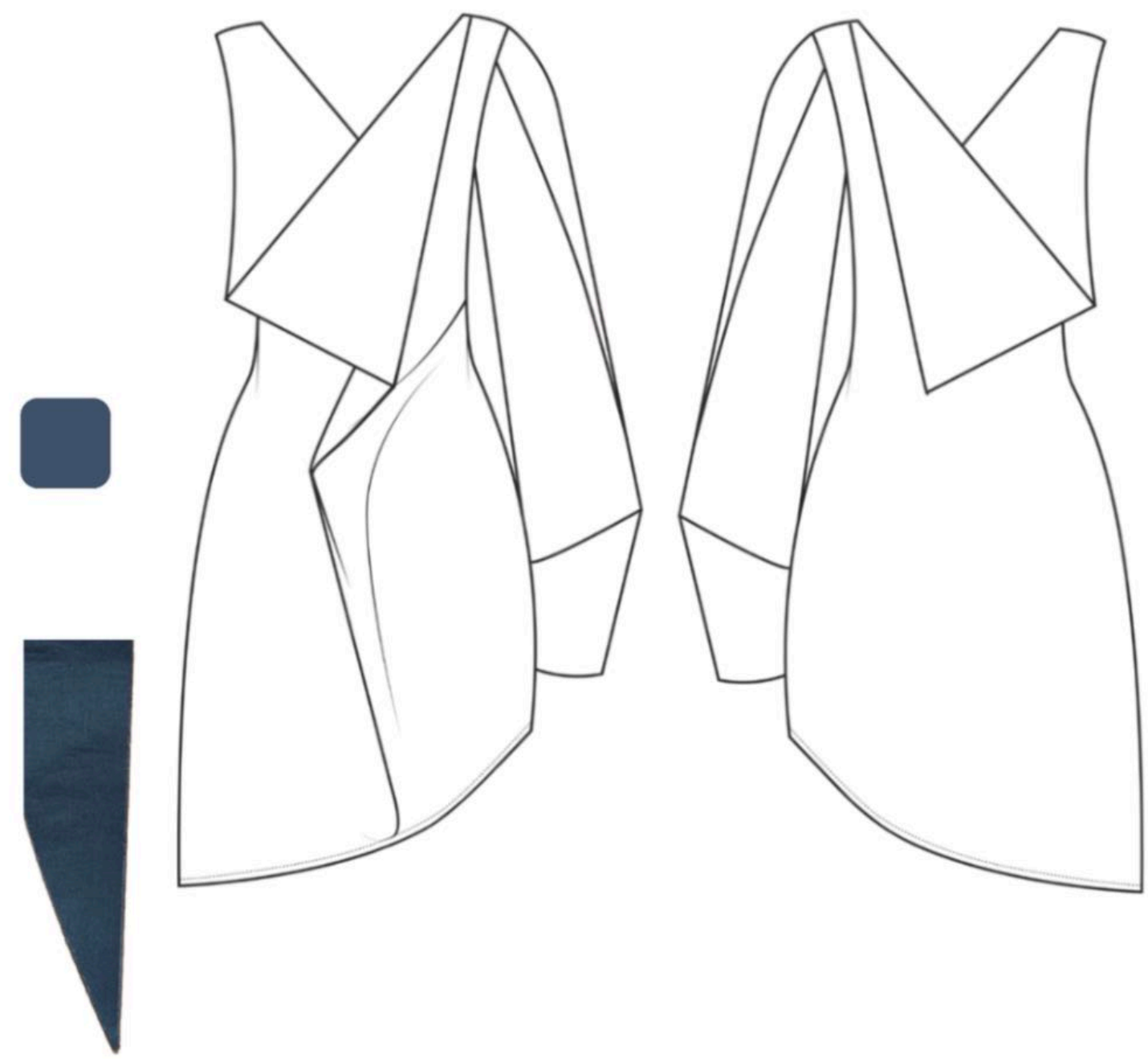
LINE UP





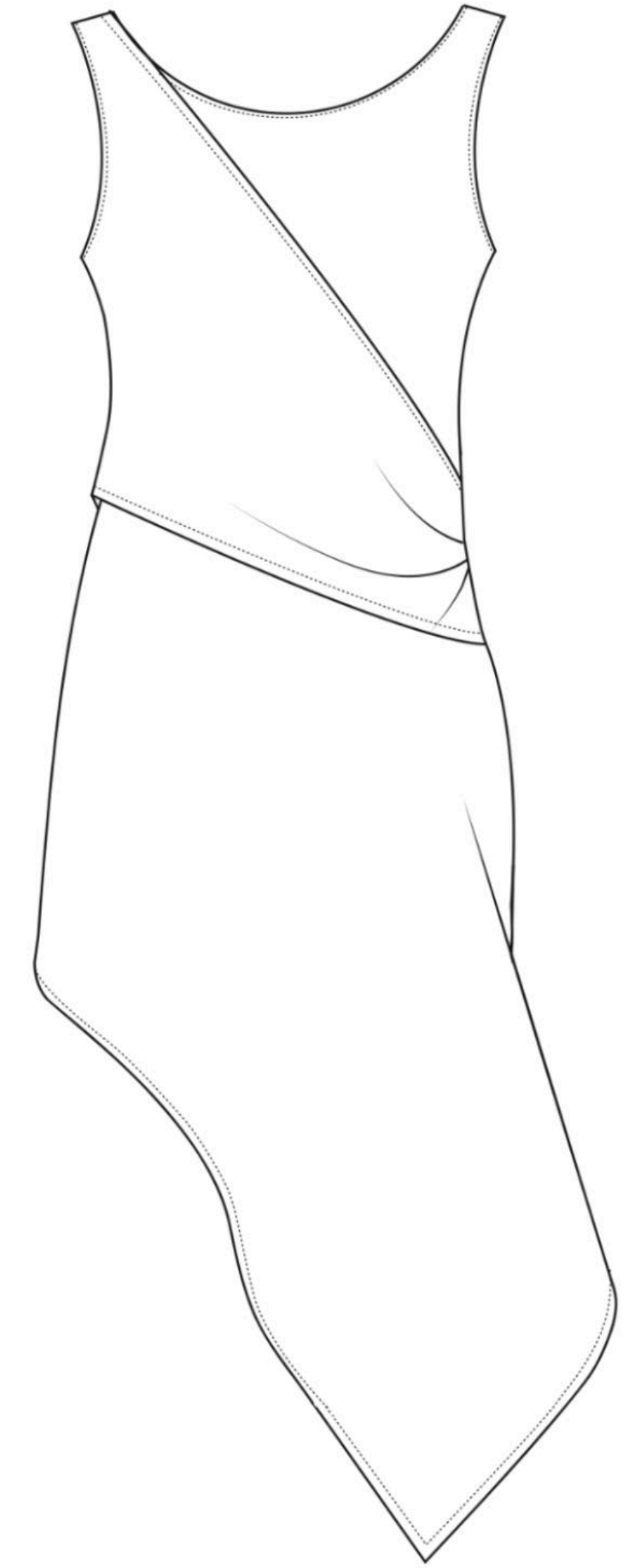
RANGE PLAN



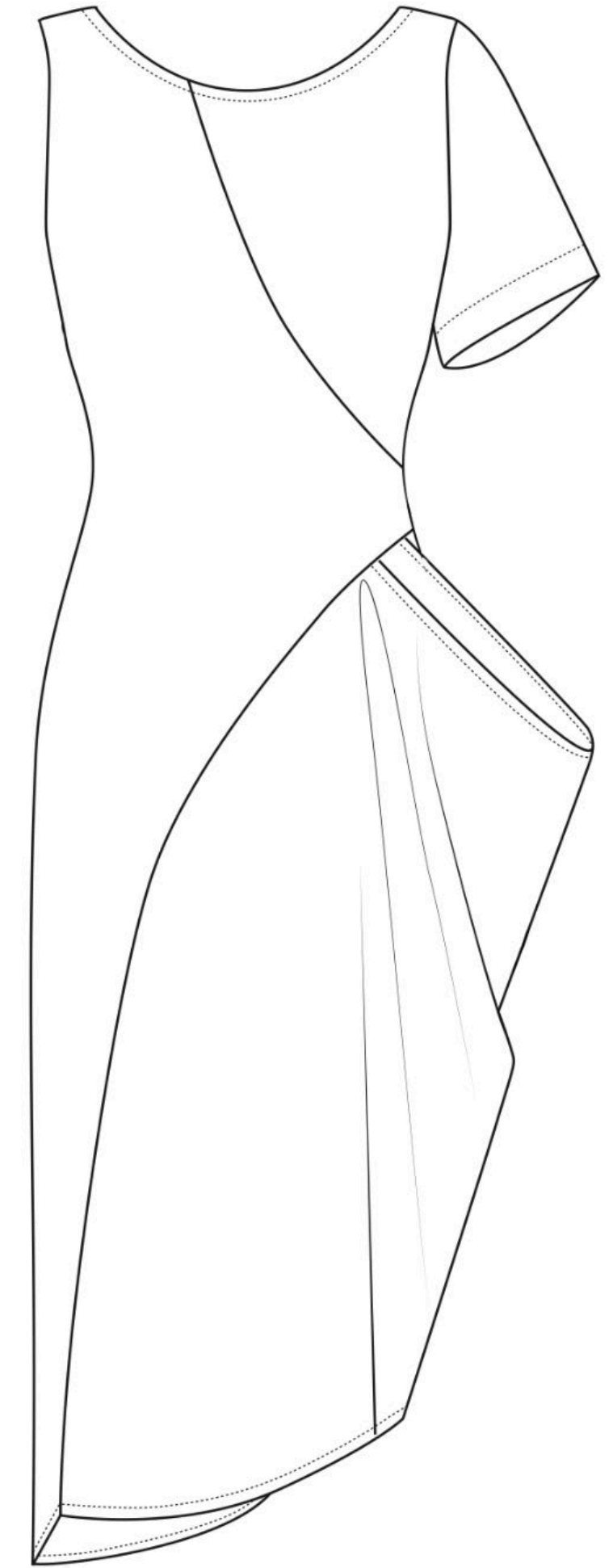
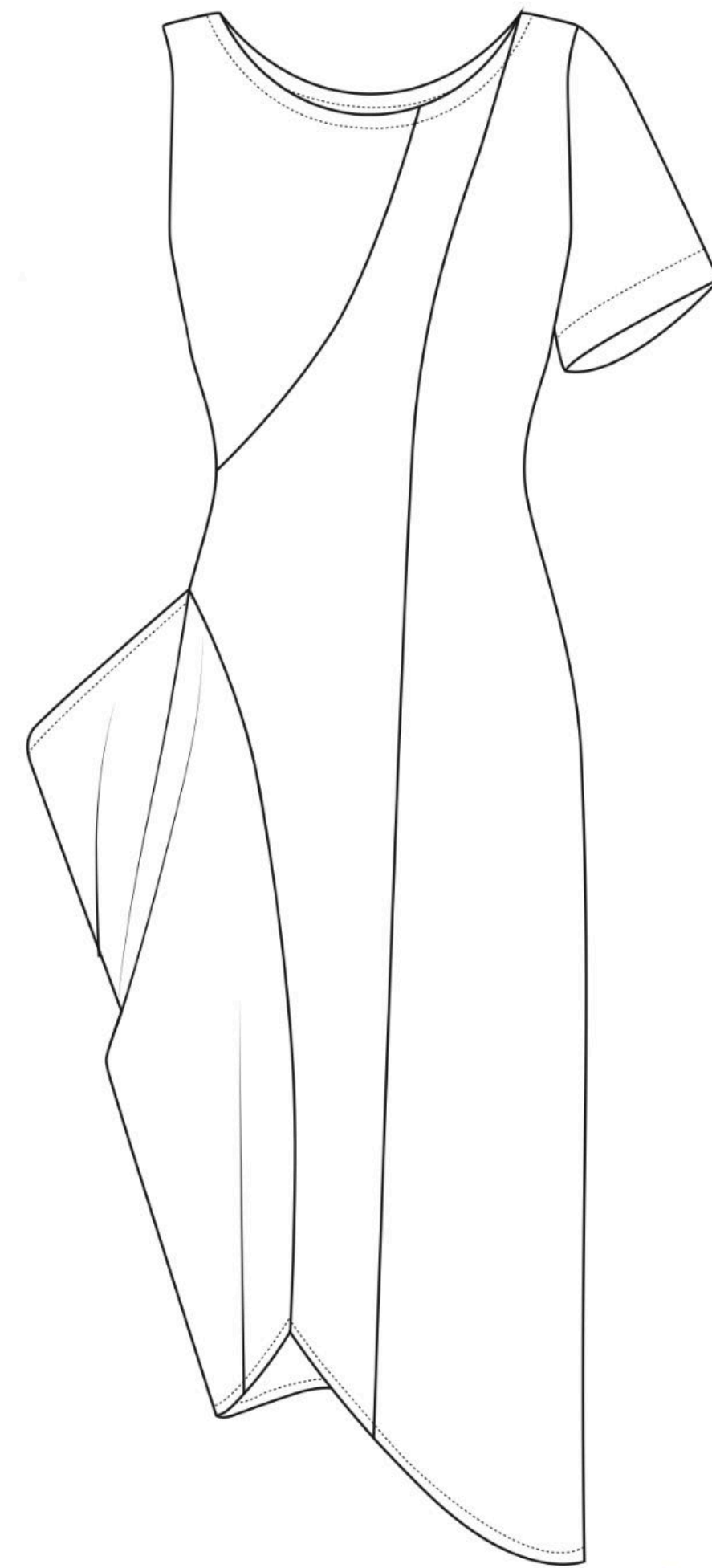
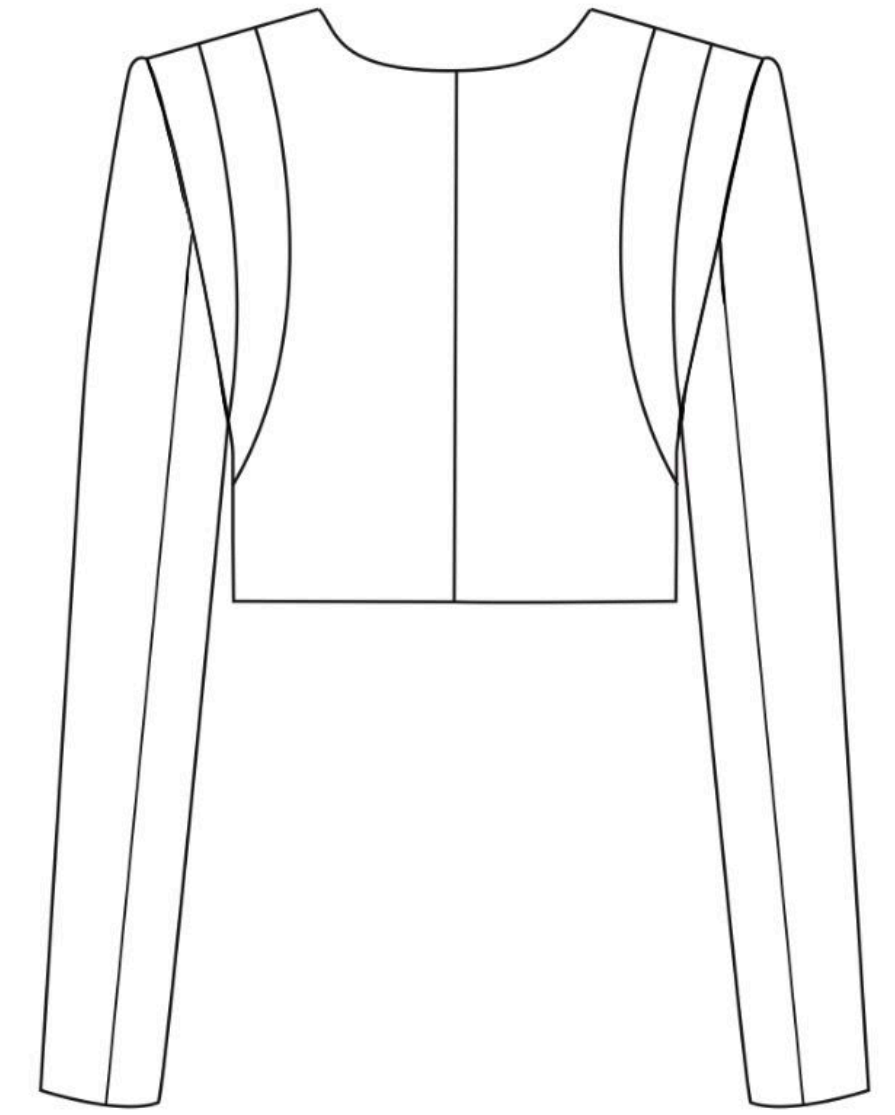
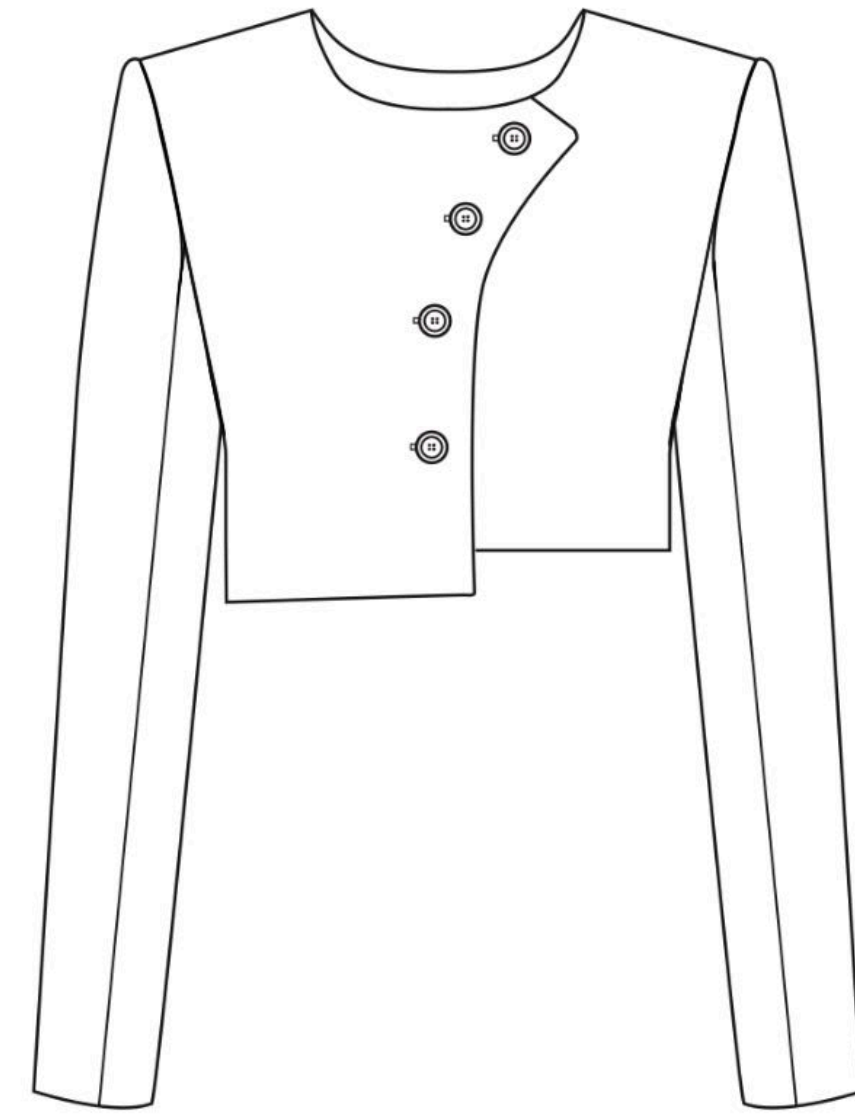
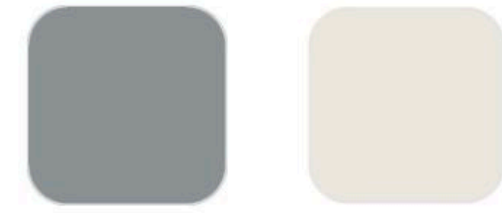
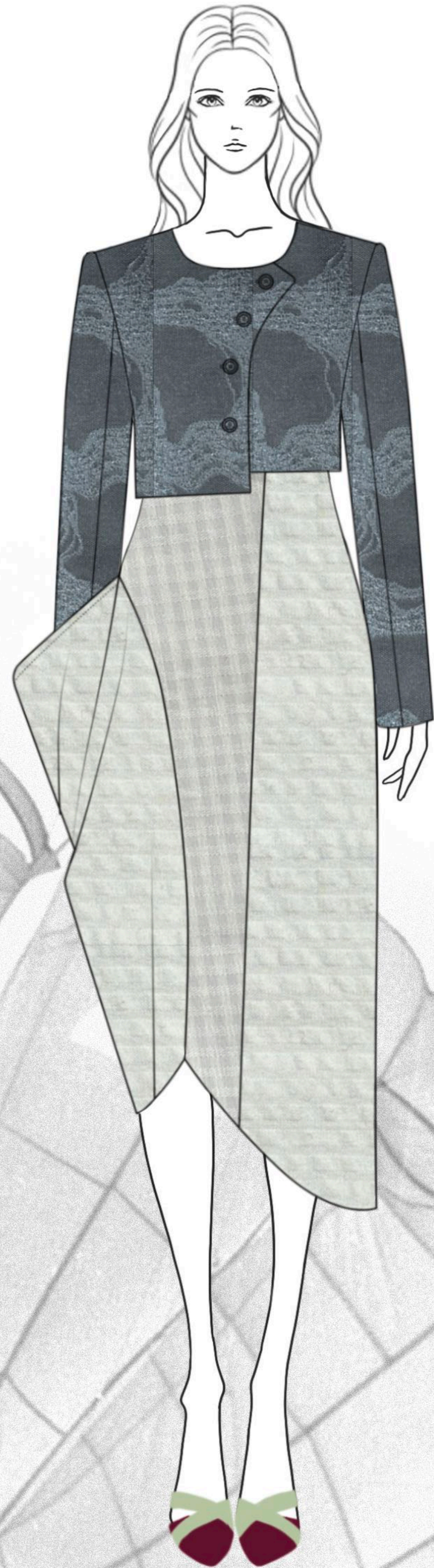


RANGE PLAN

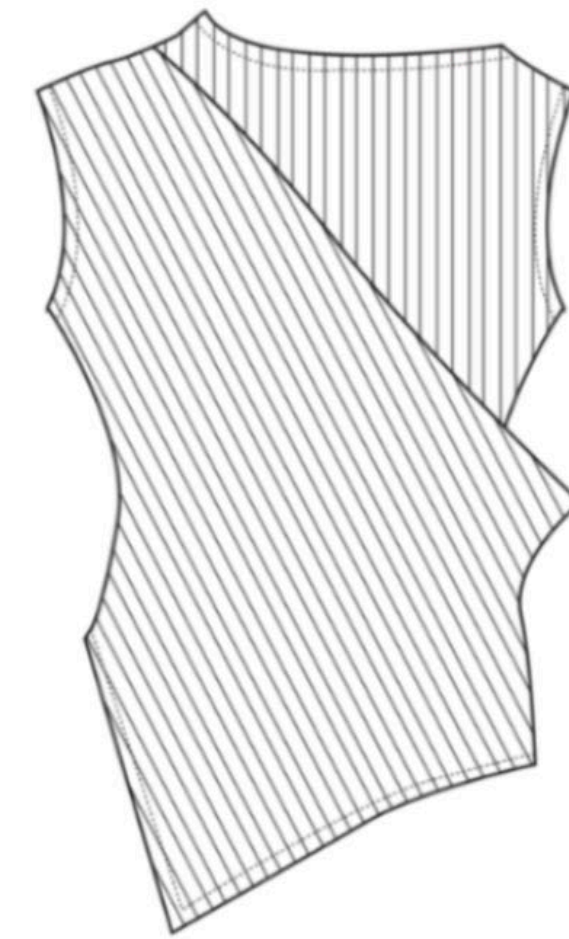
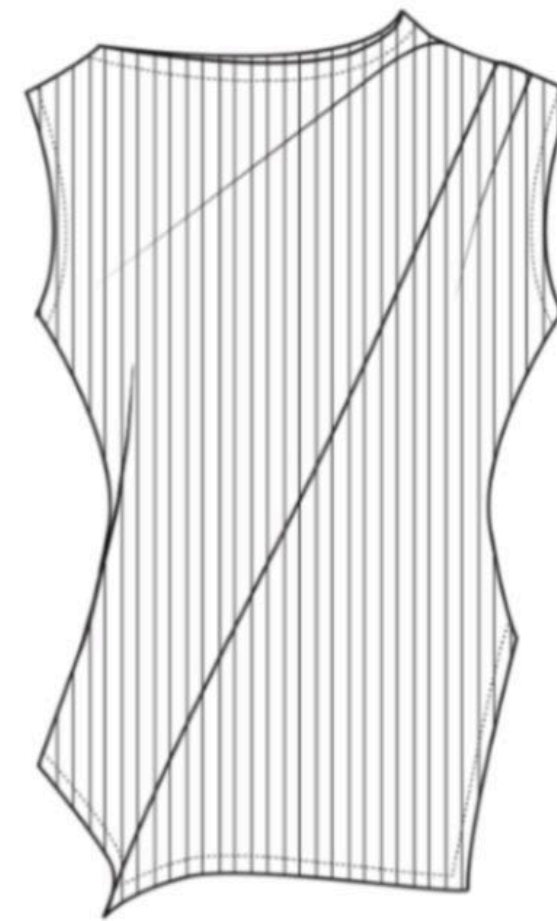
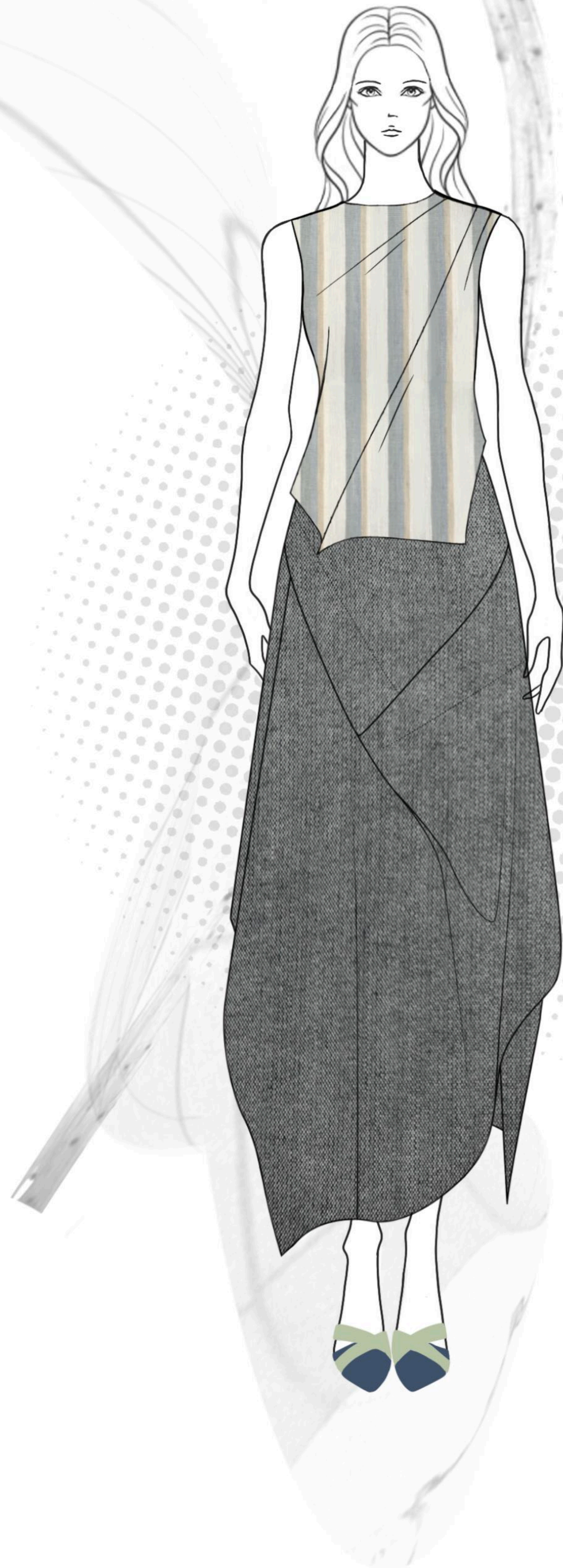
OUTFIT 1



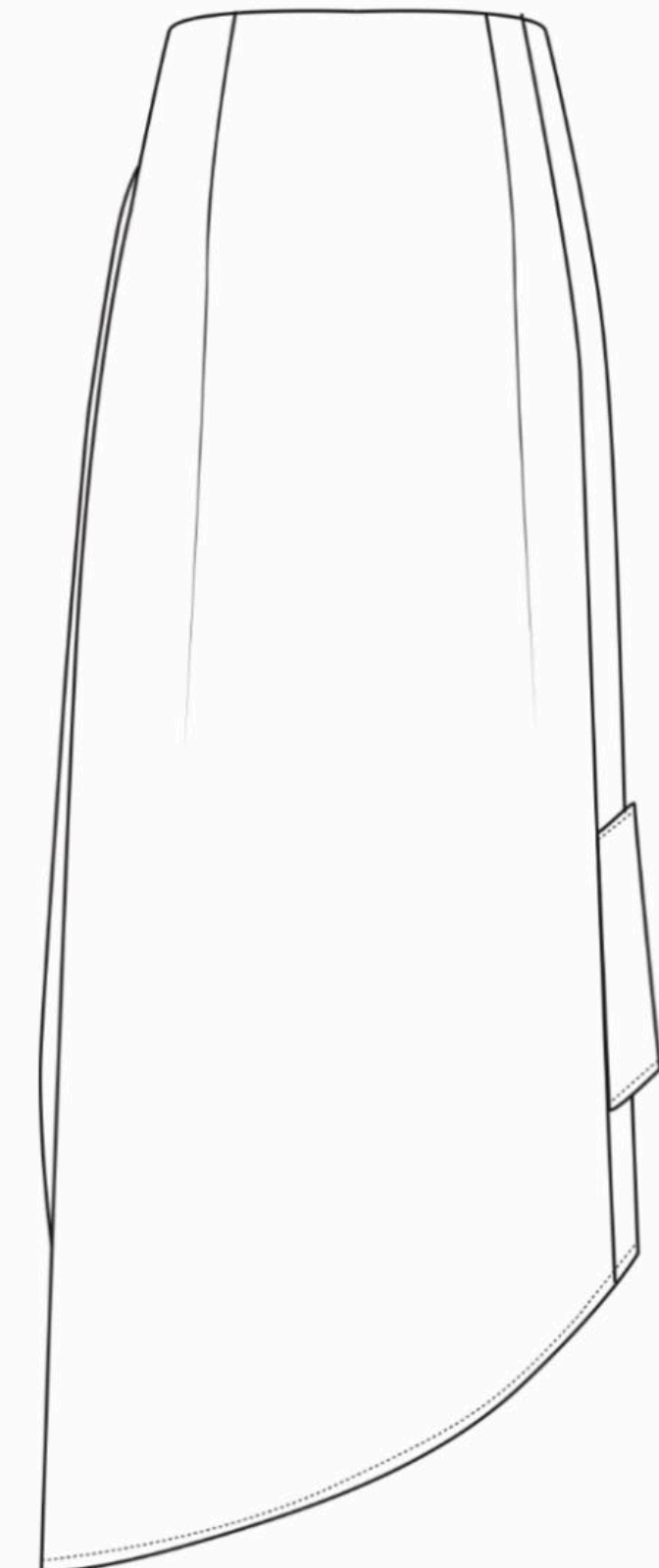
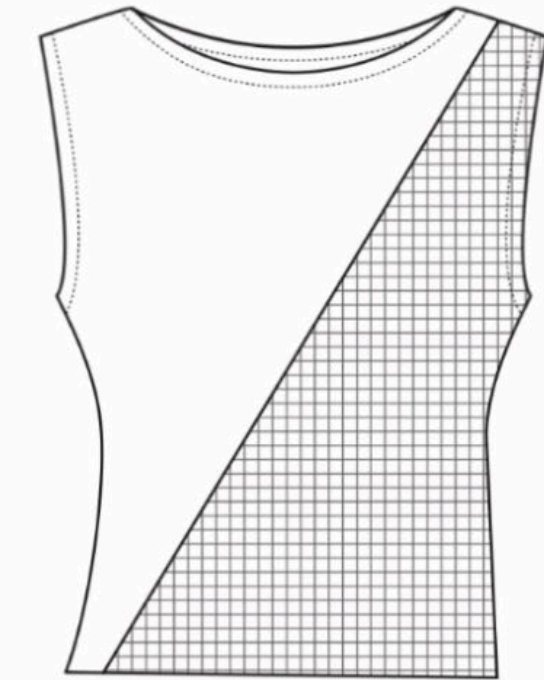
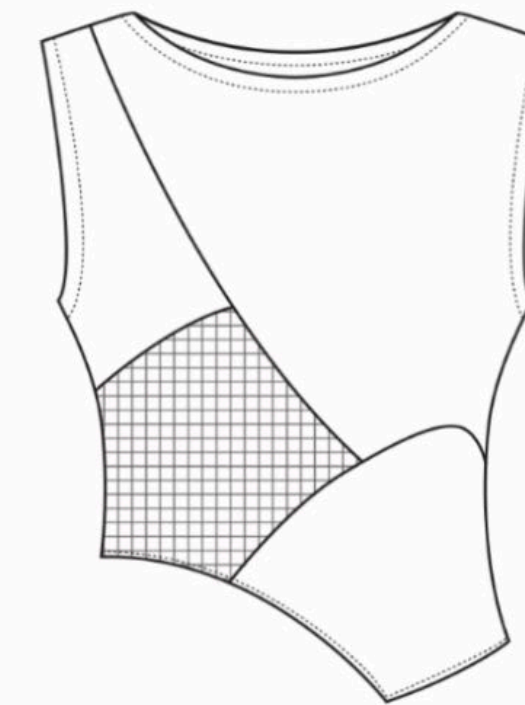
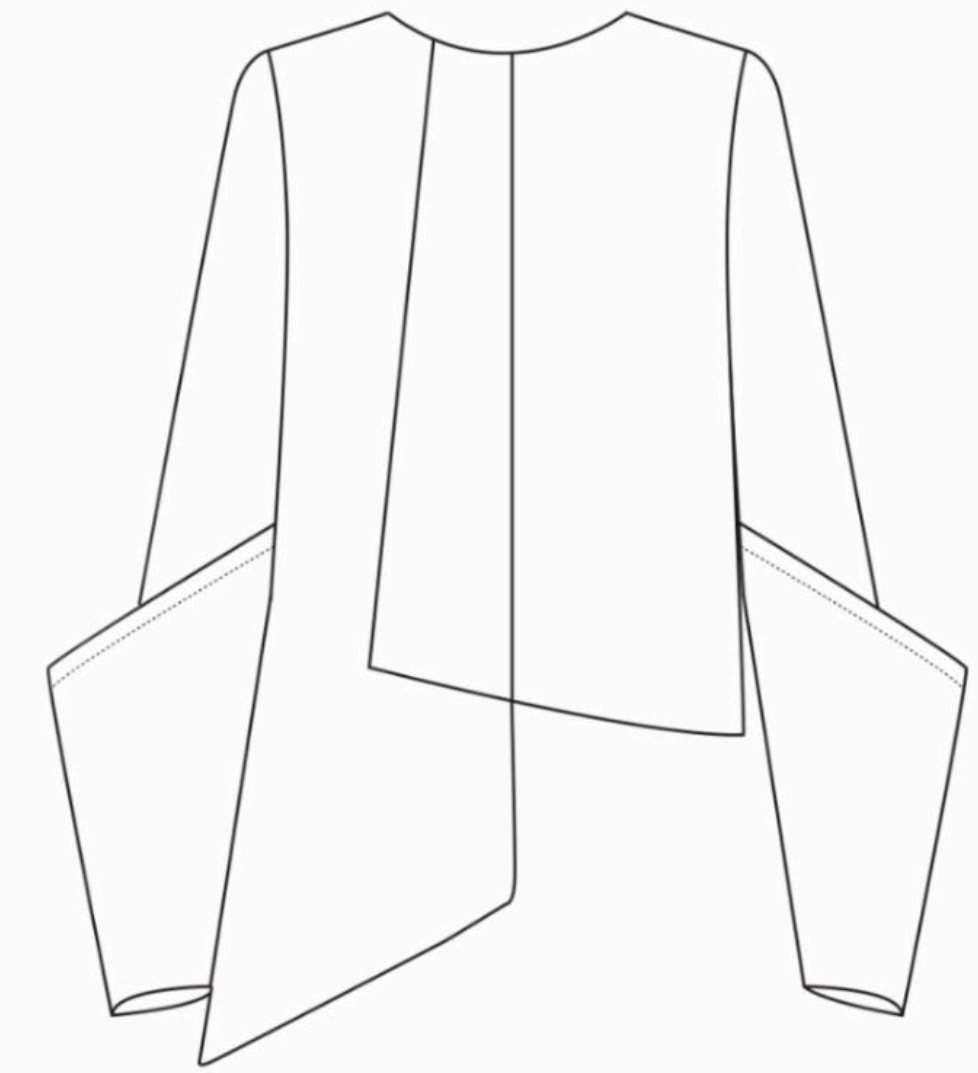
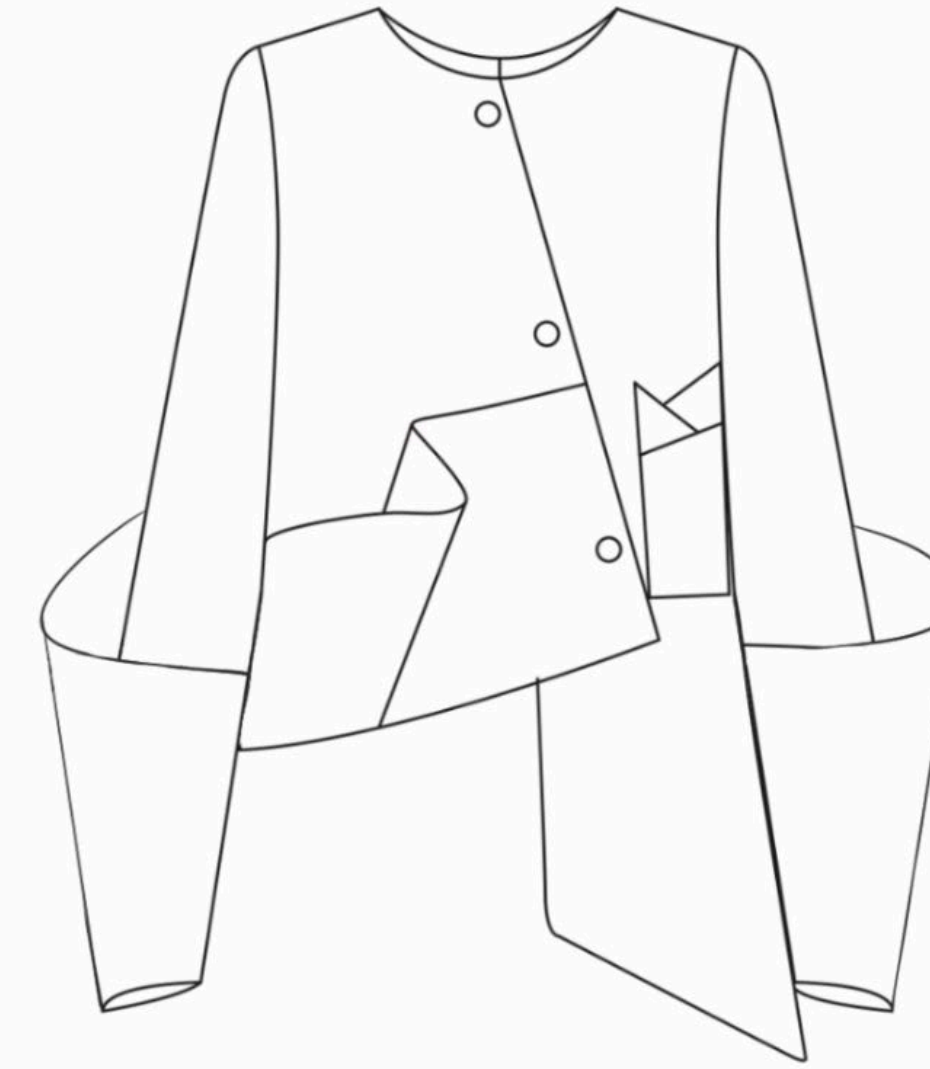
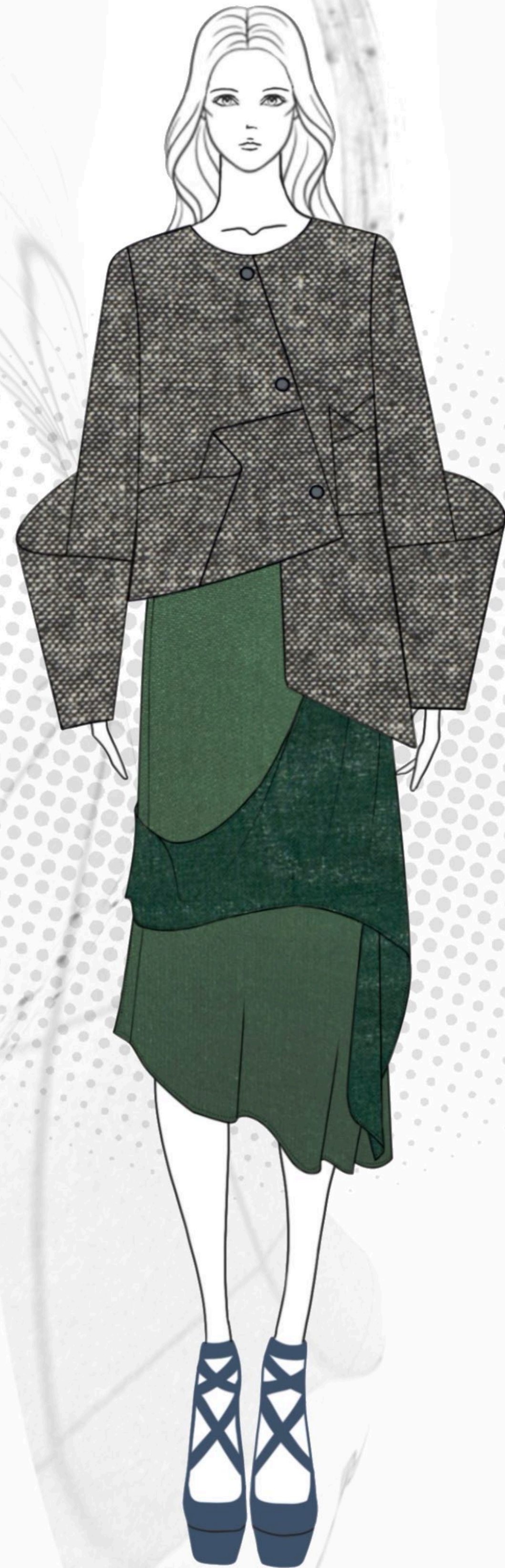
OUTFIT 2



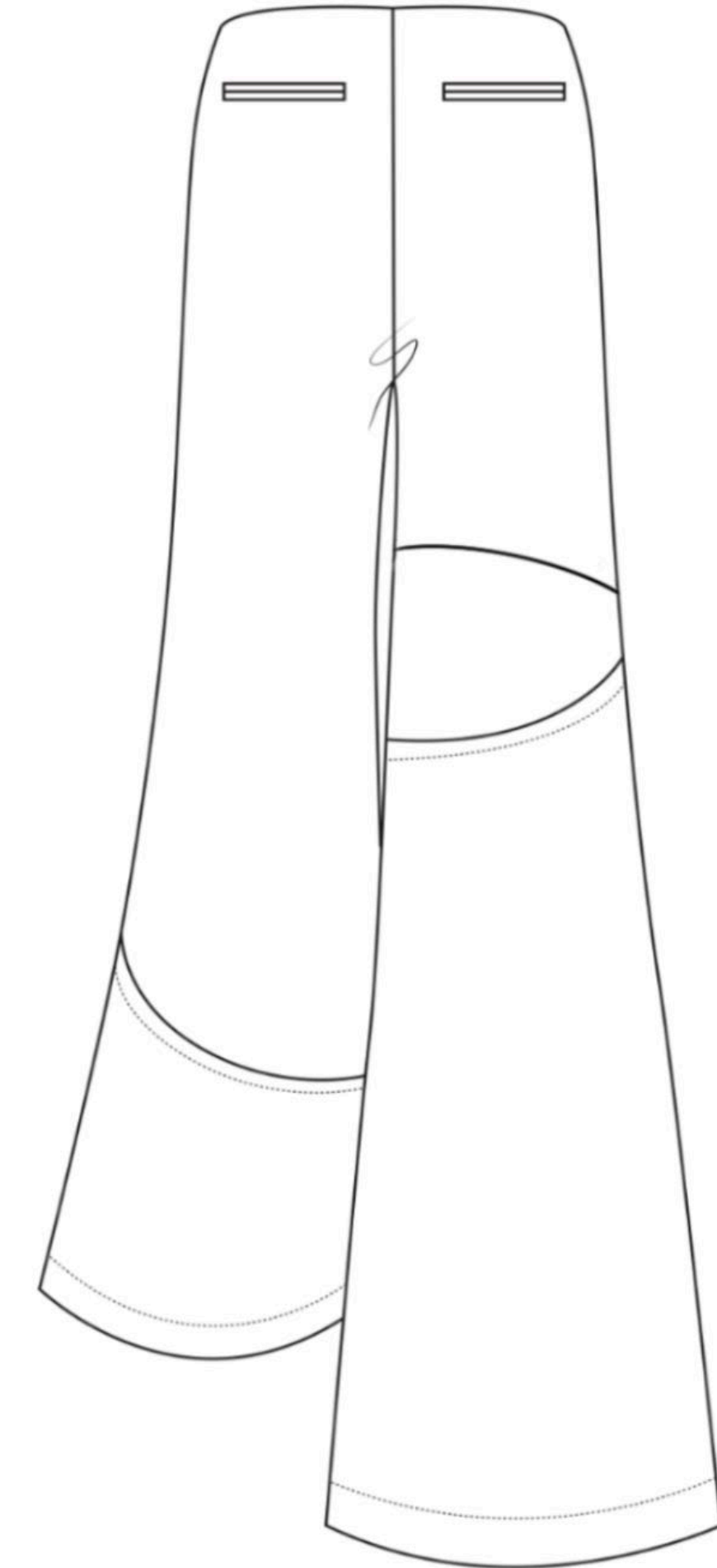
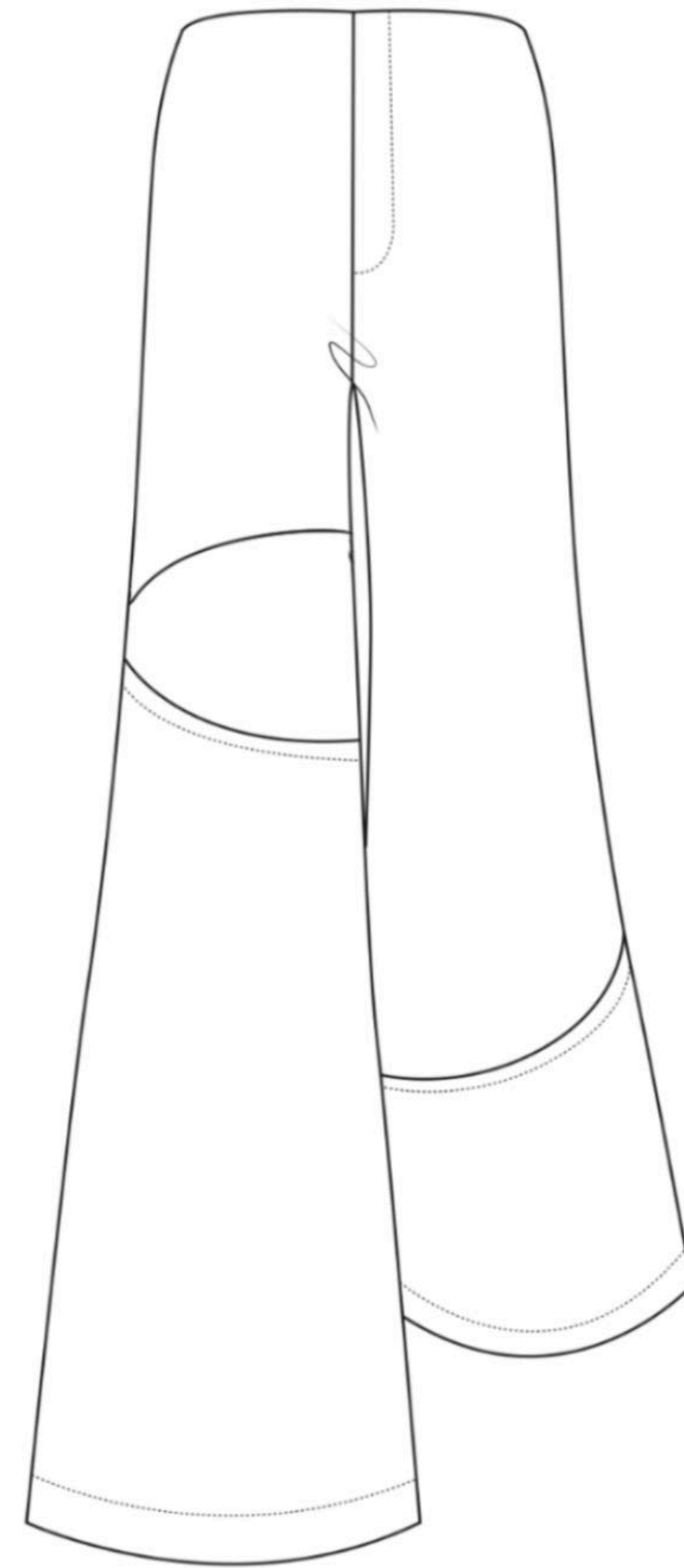
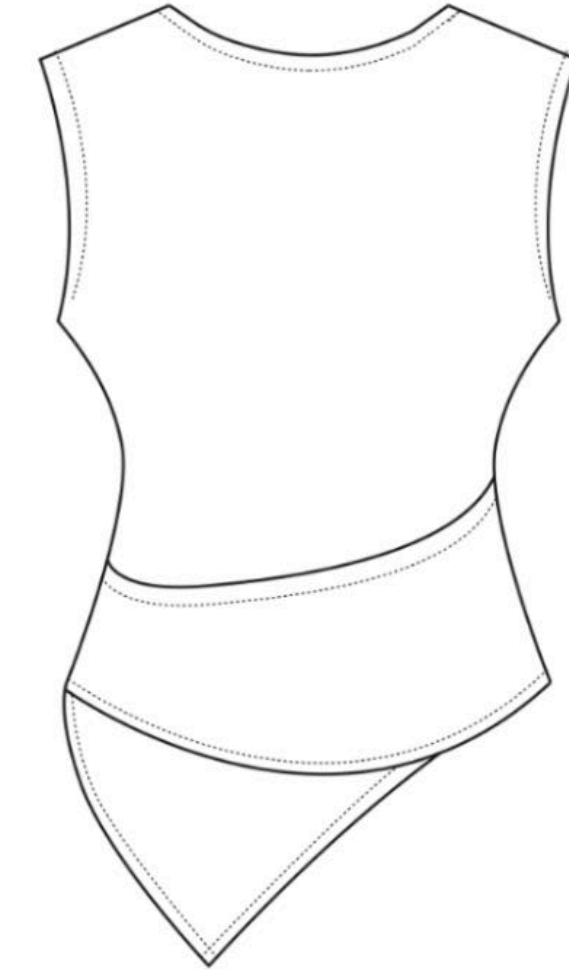
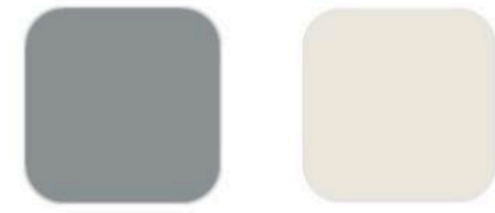
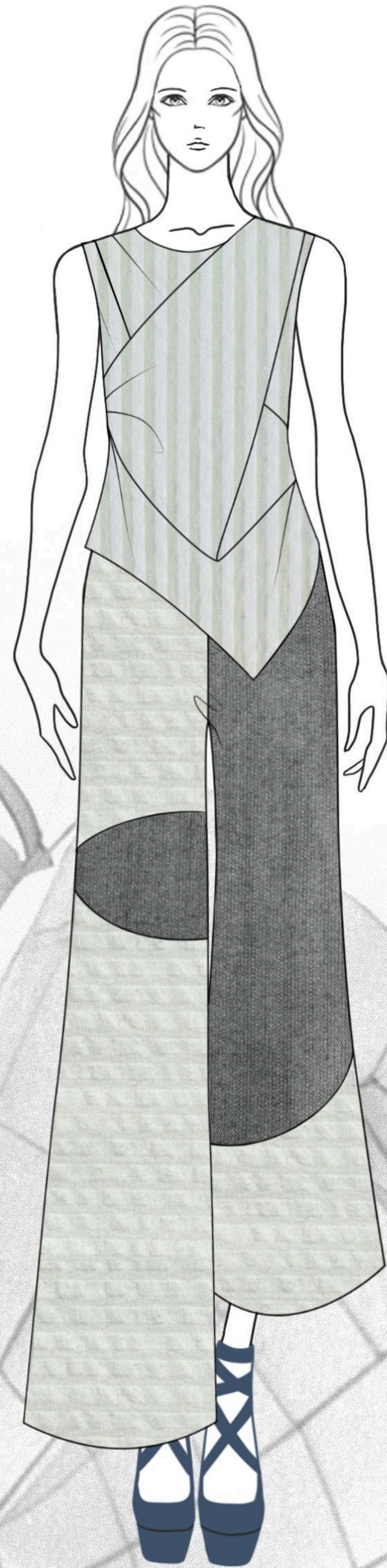
OUTFIT 3



OUTFIT 4



OUTFIT 5



OUTFIT 6

