

# Pop-Up Cards Book *pdf version*

## Pattern Sheets of Origamic Architecture

### Volume 1

### World Famous Bulidings



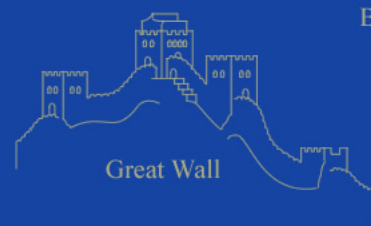
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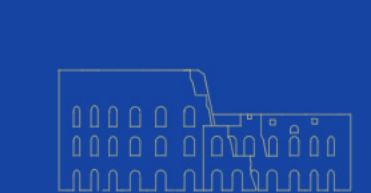
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12 patterns and 3 refined patterns



Burj Al Arab Hotel



Eiffel Tower

Great Wall

Windmill



Colosseum

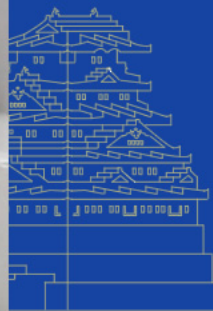
Opera House

White House

Taj Mahal



Saint Basil's Cathedral



Neuschwanstein Castle

Osaka Castle



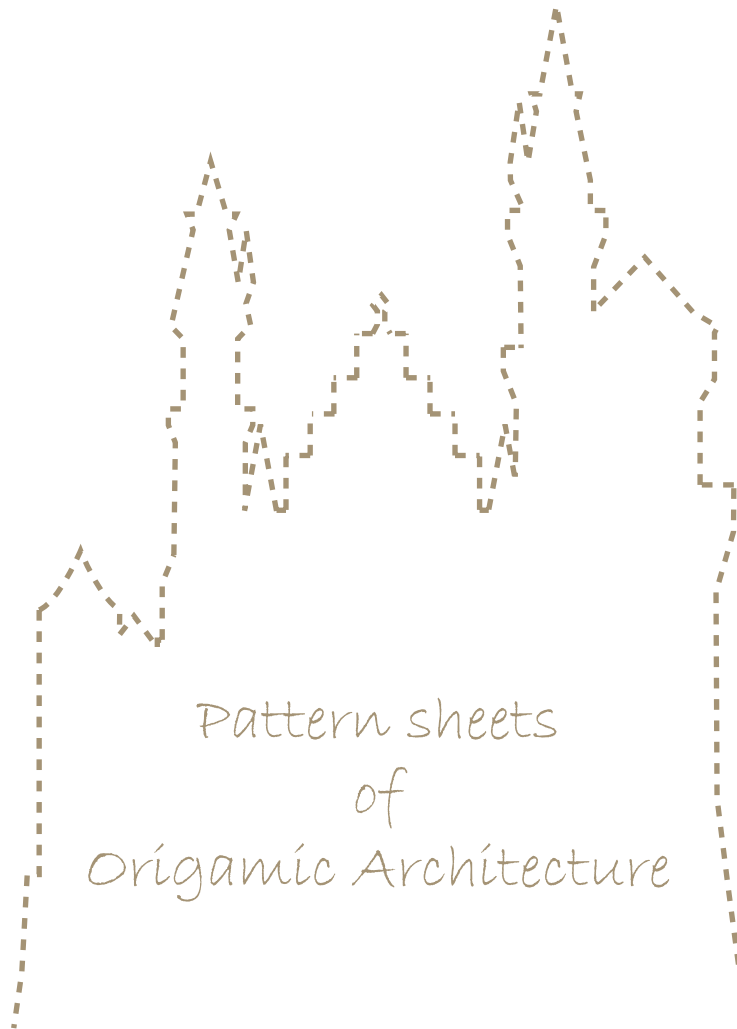
Coast of Oia, Santorini  
Greece

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Pop-up Cards Book (pdf version)

## Volume 1

# World Famous Buildings



Pattern sheets  
of  
Origamic Architecture

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Welcome to the Wonderful World  
of  
Origami Architecture!

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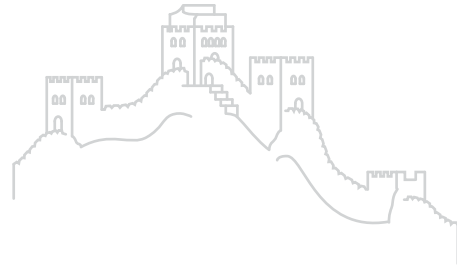
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## I. Instructions

Apart from this pop-up cards ebook, please have the following materials prepared beforehand to proceed the handcrafting:




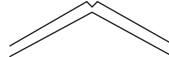

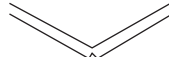

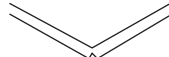



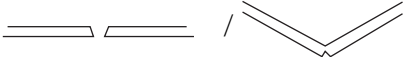
- ✧ Card paper (A4 or Letter-size, weighted around 160 – 200 grams)
- ✧ Plain paper (A4 or Letter-size for printing out pattern sheets)
- ✧ A printer

Please also be recommended to use the hand tools below:

- ✧ a very sharp knife (Xacto knife)
- ✧ a steel ruler
- ✧ a cutting mat (preferably with grid-lines)
- ✧ a pair of tweezers
- ✧ glue, tapes or double sided tapes

### Legends

Note that there are 6 types of lines printed on the “Pattern Sheet” distinguishable of their respective functions:

Black cut-line		
Mountain fold-line		
Valley fold-line		
Main fold-line		
Green cut-line(borderline)		
Cut-line/Main fold-line		

### Step 1. Prepare the “Pattern Sheet”

✧ Select a card pattern and print it on a piece of plain paper as the “Pattern Sheet”.

Tips: (i) If you are new to this, please choose a simple pattern to start with first;

### Step 2. Attach the “Pattern Sheet” to the card paper

✧ Place the “Pattern Sheet” on the card paper;

✧ Use tapes or double sided tapes to fix the “Pattern Sheet”. Note that the tape should be applied to the area outside the **green cut-line** which delineates the “**borderline**”.



### Step 3. Handle the black cut-lines

✧ First, handle the cutouts;



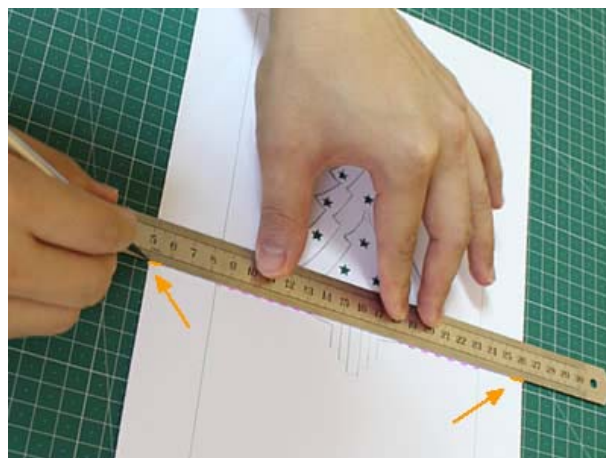
✧ Then cut all other **black cut-lines** along.

- Tips:
- (ii) Always use a new sharp blade;
  - (iii) Carefully and slowly follow the cut-lines to perform the cutting;
  - (iv) In some cases, several cuts are required for a curved line.

### Step 4. Positioning and marking the main fold-lines

✧ Align the **main fold-lines** with a steel ruler;

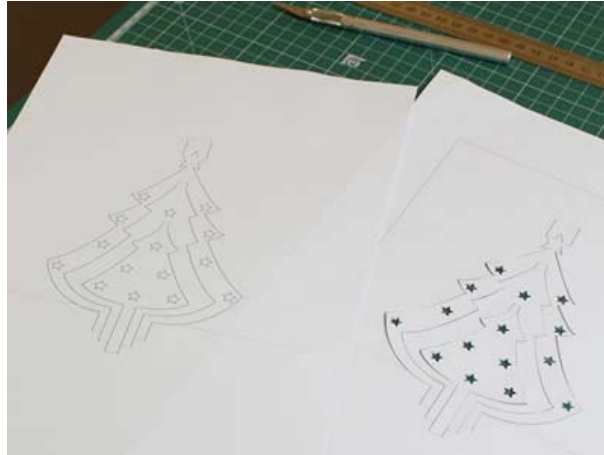
✧ Cut a depth of **1mm – 2mm** from both of the paper edges by the steel ruler in alignment with the **main fold-lines** as illustrated in the picture below.





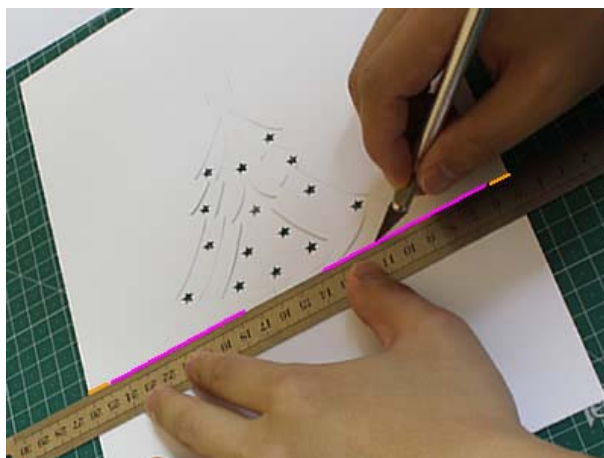
### Step 5. Prepare the “Valley Flow-lines Pattern Sheet”

- ✧ Print the corresponding “Valley Flow-lines Pattern Sheet” on a piece of plain paper.



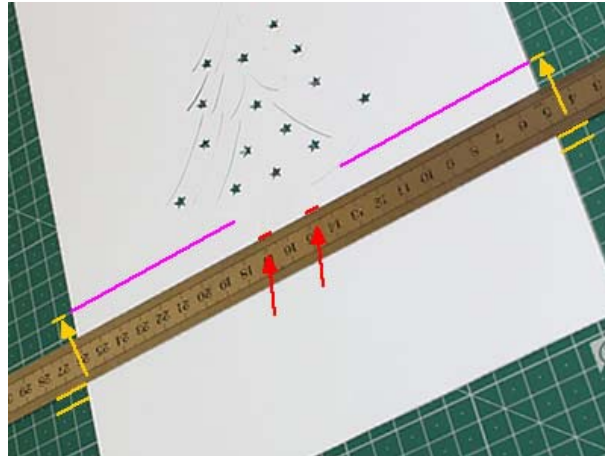
### Step 6. Handle the valley fold-lines

- ✧ By tracing the cutting track you have already created, and comparing it with the “Valley Flow-lines Pattern Sheet” printed in Step 5, you should be able to identify the position of the main fold-lines and those of the valley flow-lines on the back of the card paper;
- ✧ Remember that all valley fold-line cuts must be applied on the back of the card paper;
- ✧ Along the markings created in Step 4, half-cut the main fold-lines on the back of the card paper;

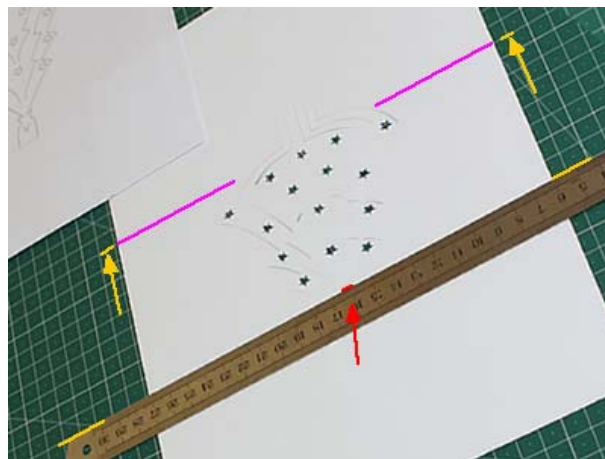




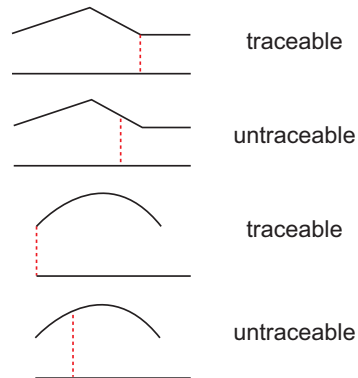
- ✧ If the cutting mat offers a grid, align the **main fold-lines** with a grid-line;
- ✧ **Half-cut** all other **valley flow-lines** in such a way that they all are **parallel** to the **main fold-lines** / grid-line.



- Tips:
- (v) A slightly sharp blade is preferred;
  - (vi) Some **valley flow-lines** can only be cut accurately by rotating the paper by 180°.

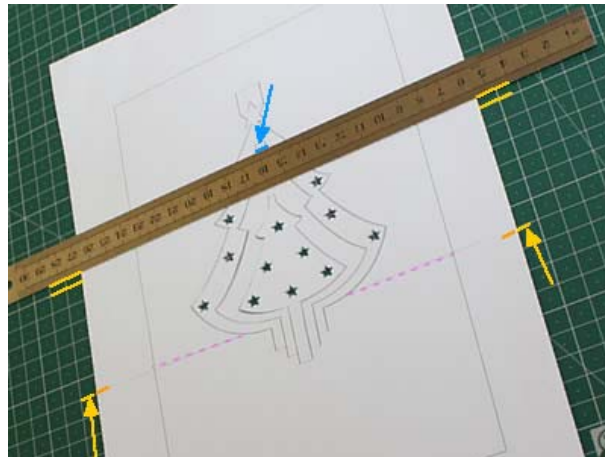


Tip: (vii) In case some **valley fold-lines** that cannot be identified precisely by tracing the cutting track, please apply the method of handling the **main fold-lines**.



#### Step7. Handle the **mountain fold-lines**

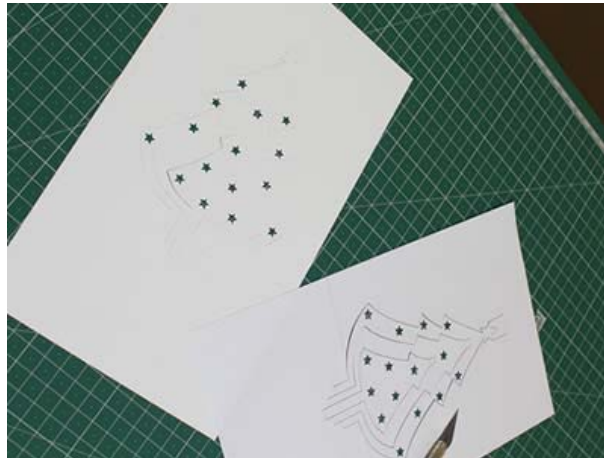
- ✧ If grid-lines are available on the cutting mat, align the **main fold-lines** with a grid-line;
- ✧ Remember that all **mountain fold-line cuts** must be applied on the **front** side of the “**Pattern Sheet**”;
- ✧ **Half-cut** all the **mountain flow-lines** parallel to the **main fold-lines**/ grid-line.



Tip: (viii) A slightly sharp blade is preferred.

**Step 8. Cut the green cut-line (“borderline”)**

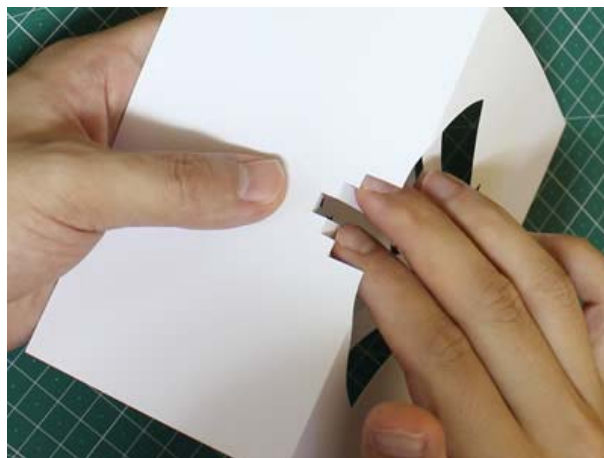
✧ Cut along the **green cut-line** or cut according to your preferred size.

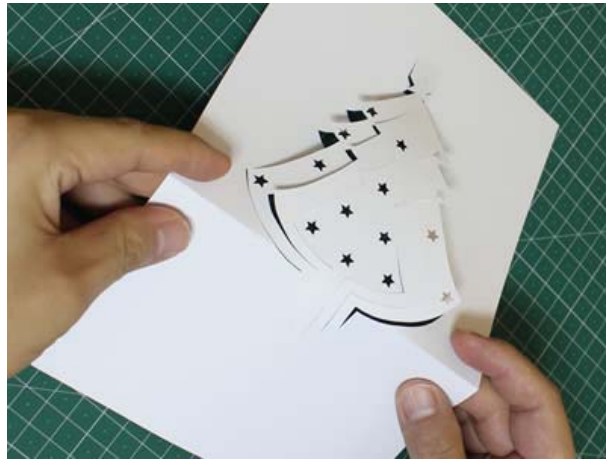


**Step 9. Fold the card model**

✧ Before starting to fold, make sure that all cuts are well finished and all fold-lines are ready;

✧ As a preliminary step, try to slightly fold the left(top)-most **valley fold-line(s)**, the right(bottom)-most **valley fold-line(s)** and the **main fold-lines**;





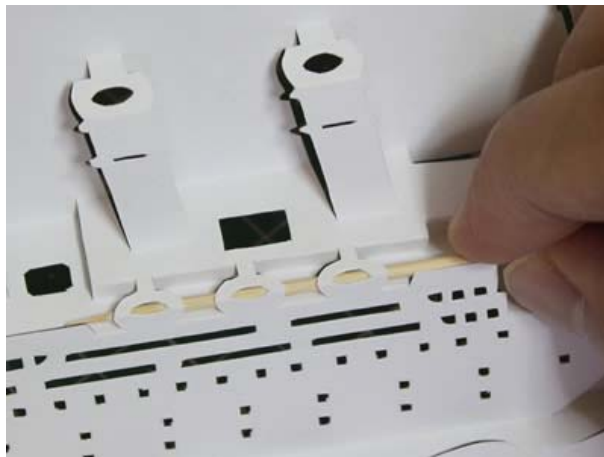
✧ **Patiently** and **gradually** fold all other fold-lines in their respective directions until the card model comes into shape.



Tip: (ix) Use a pair of tweezers to help folding.



Tip: (x) When two adjacent flow-lines are very close to each other, use a tiny rod to help stabilize the folding direction as shown in the picture below.



Tip: (xi) For some difficult card models, it is necessary to spend one hour or more to fold them in right form.

**Step 10. Add a piece of “Color Base Paper”**



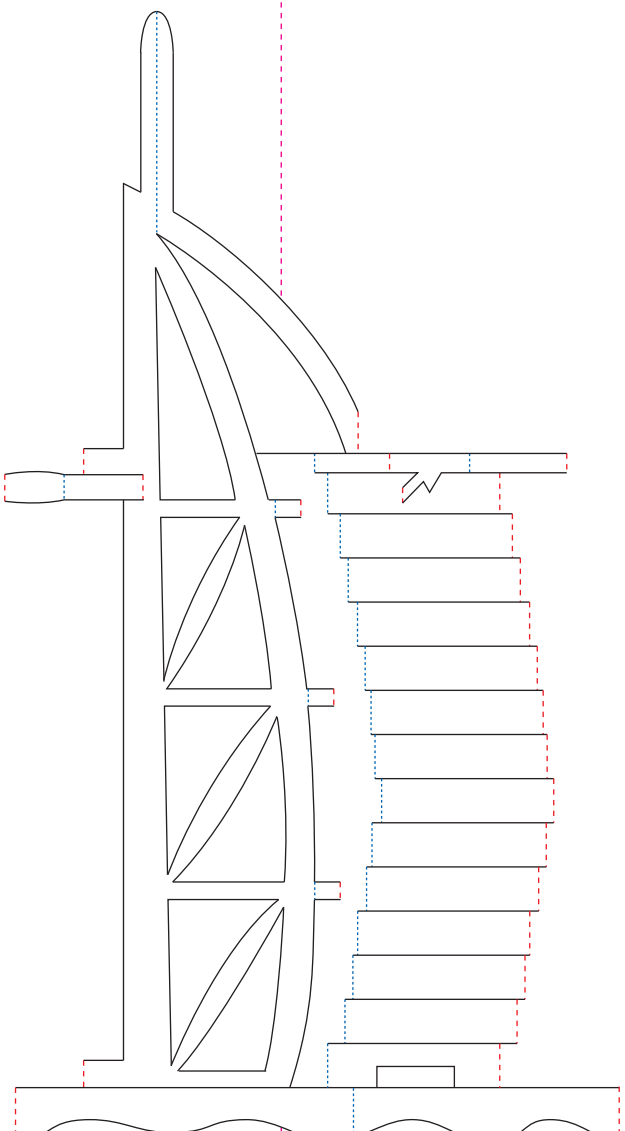
- ✧ This is to hold firm the card model and also to add contrast to make the artwork more dimensionally appealing.

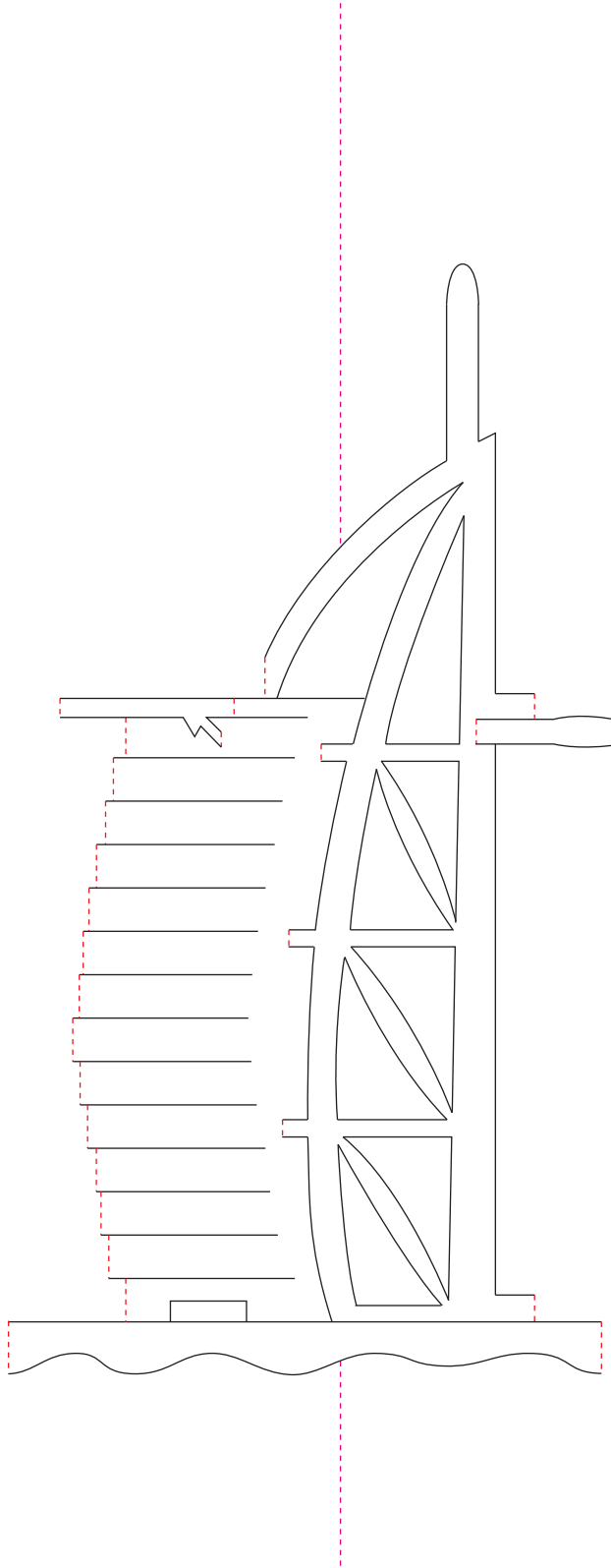
Pattern Sheets  
of  
Origami Architecture



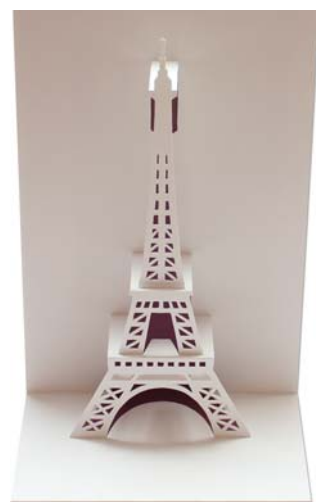
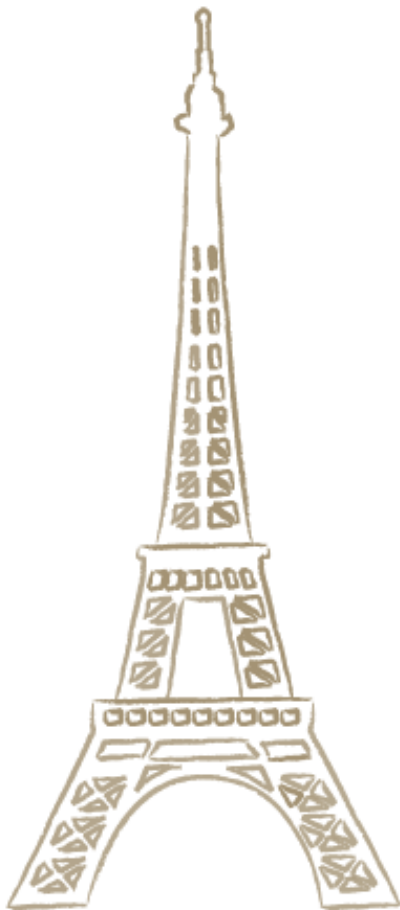
## 1. Burj Al Arab Hotel

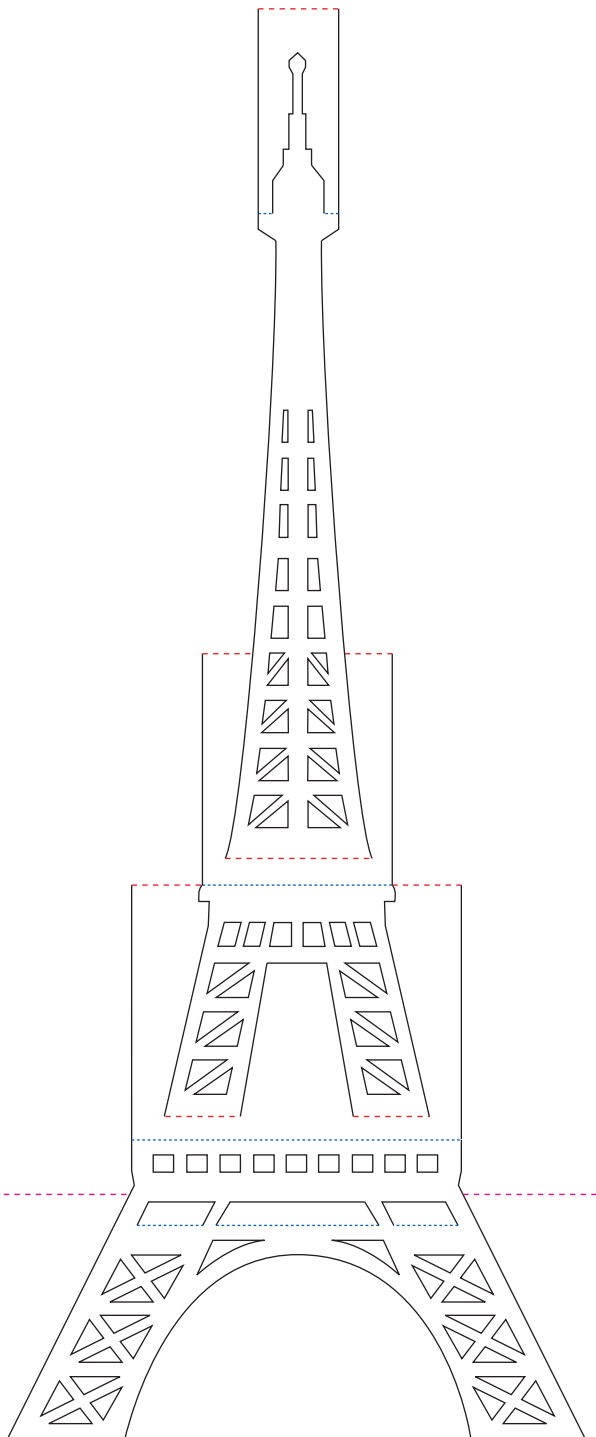






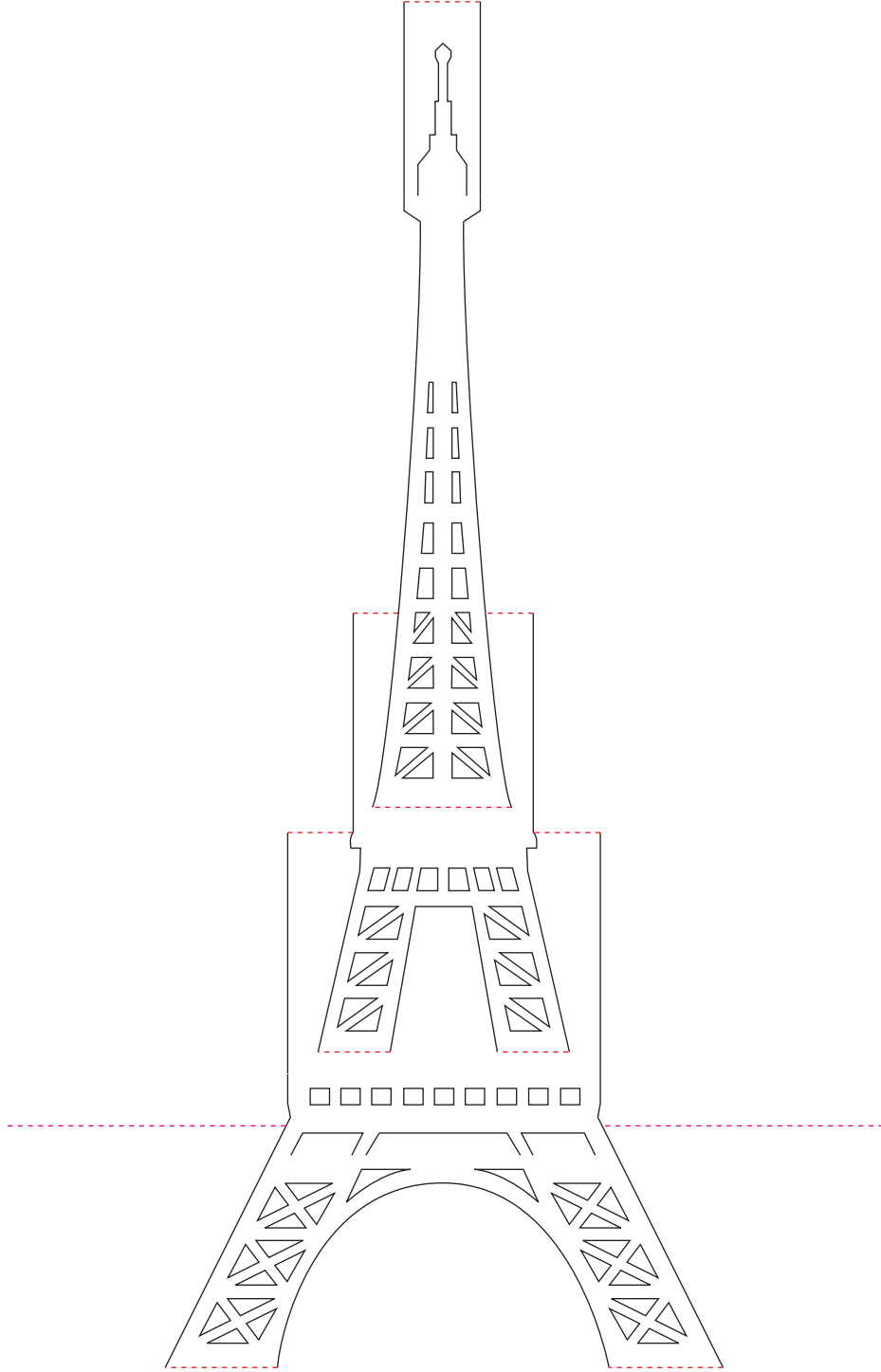
## 2. Eiffel Tower



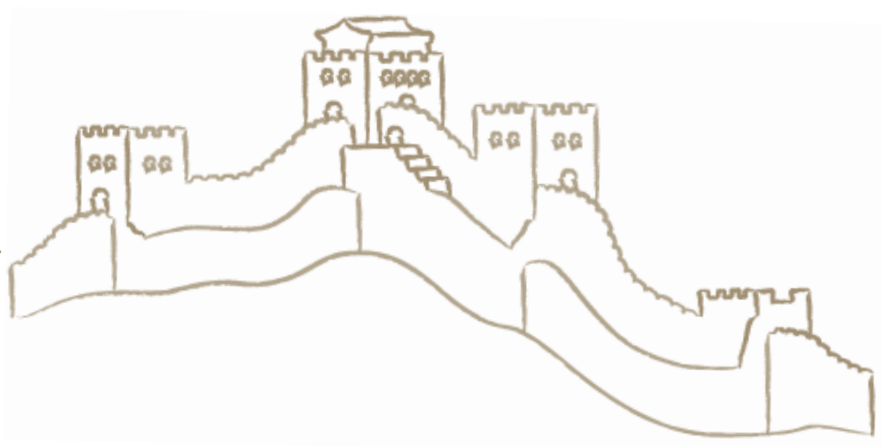
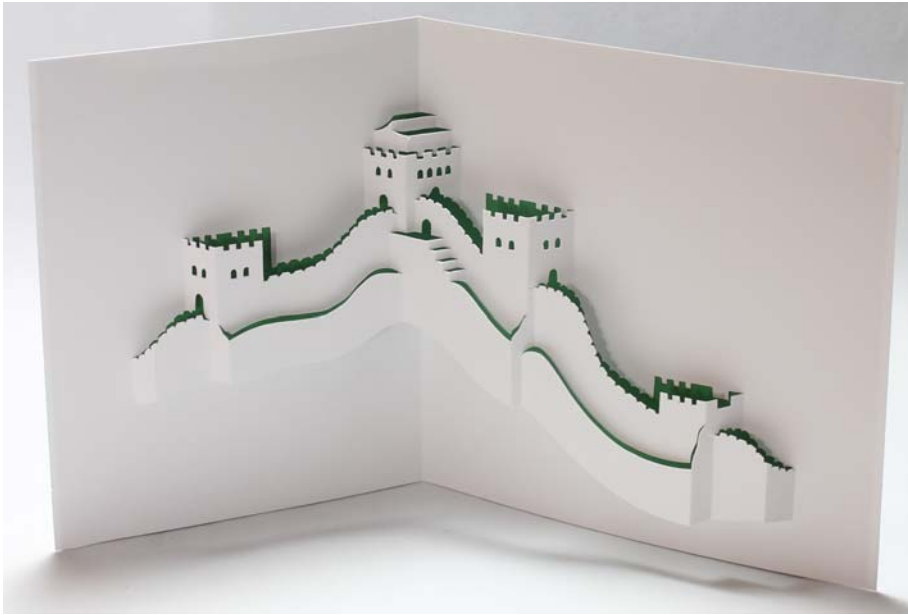


20.5 cm

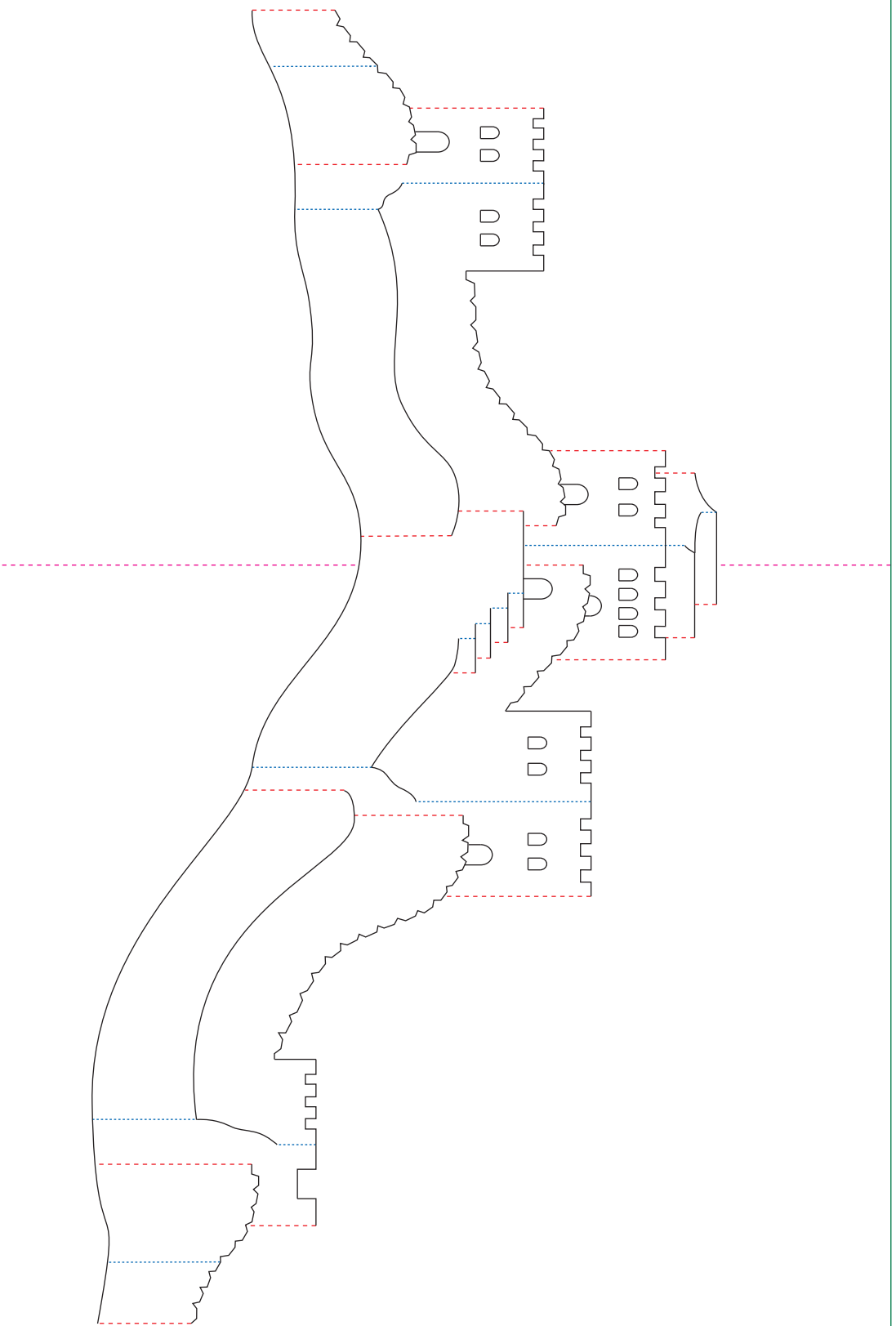
7.5 cm



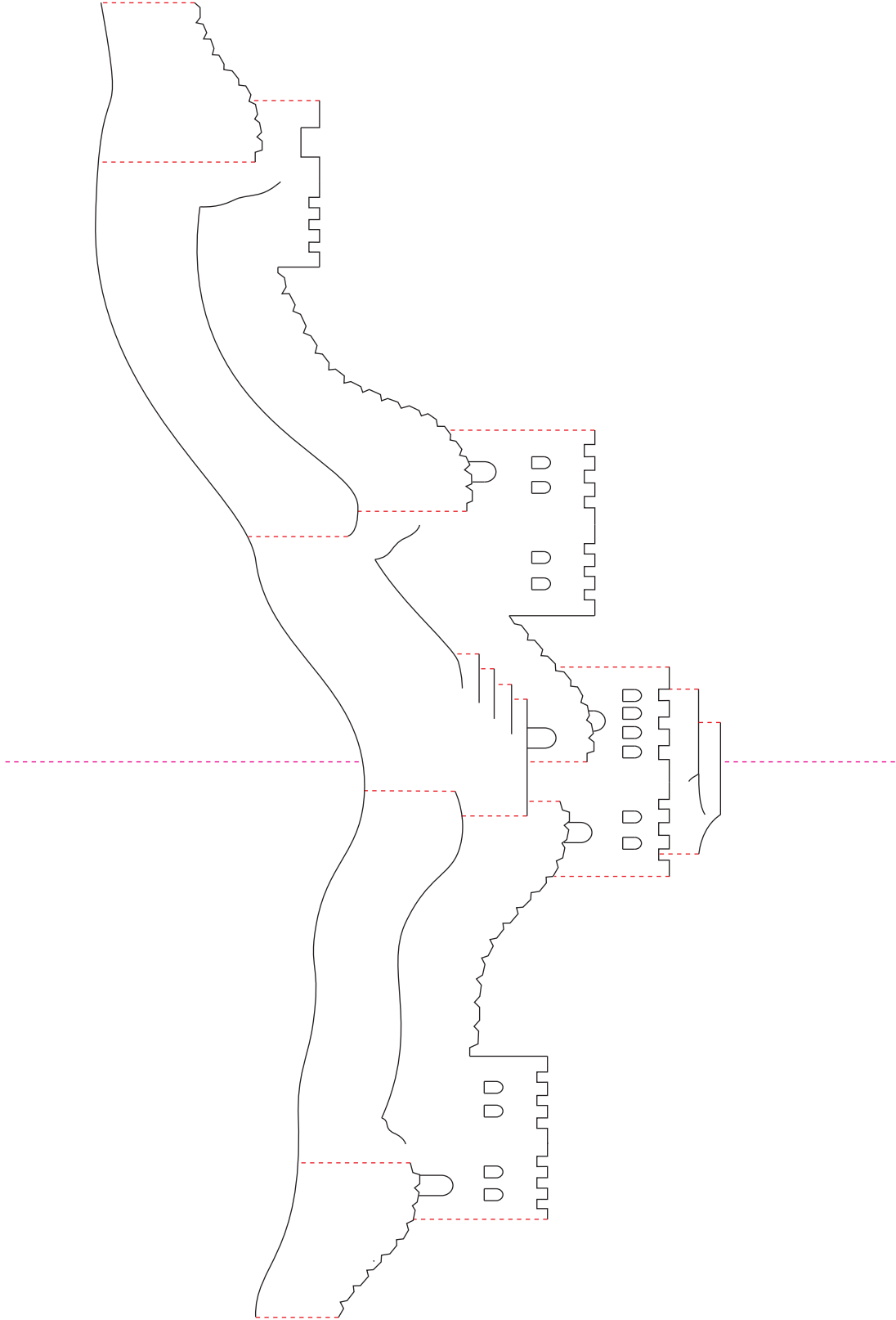
### 3. Great Wall





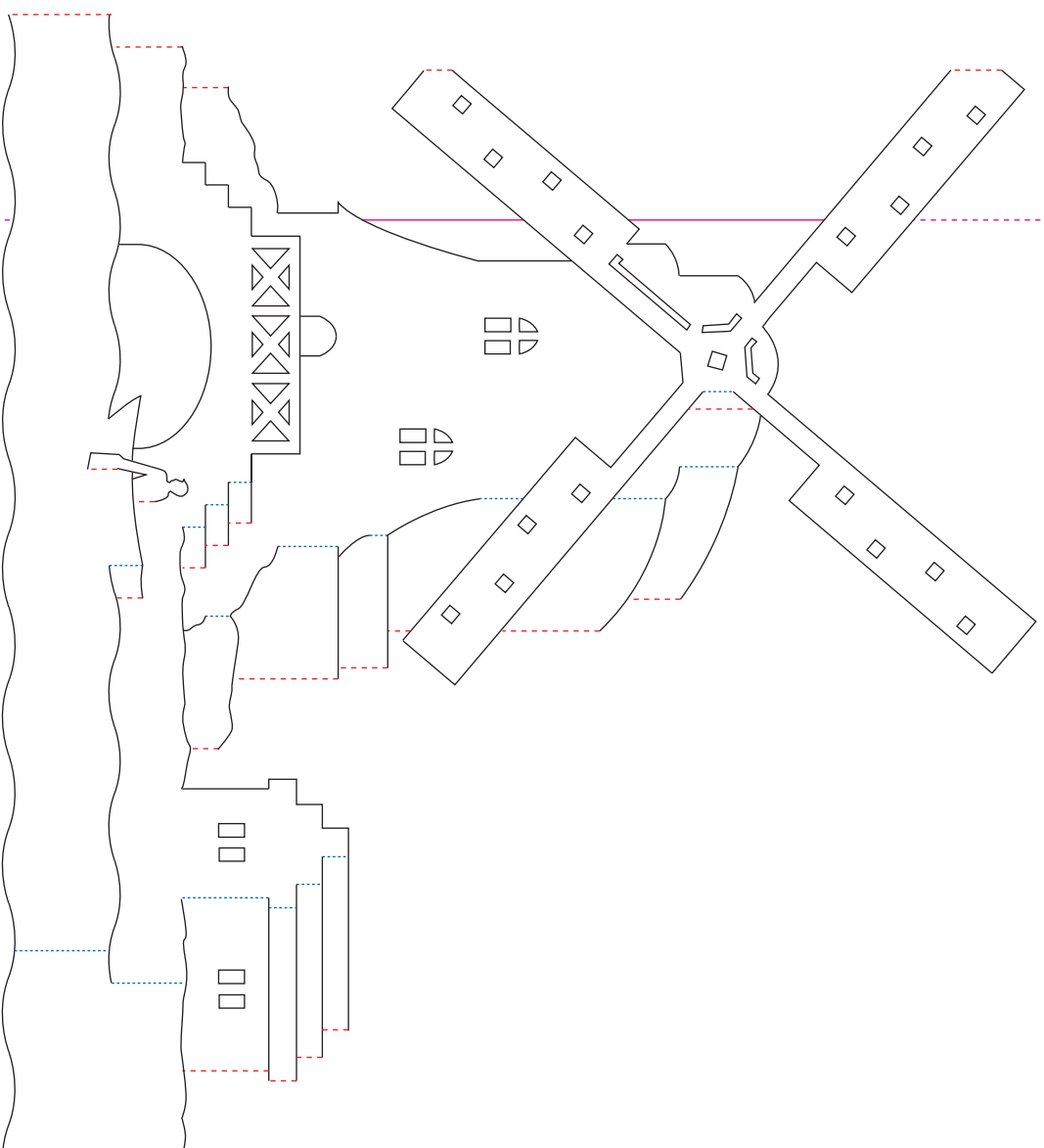


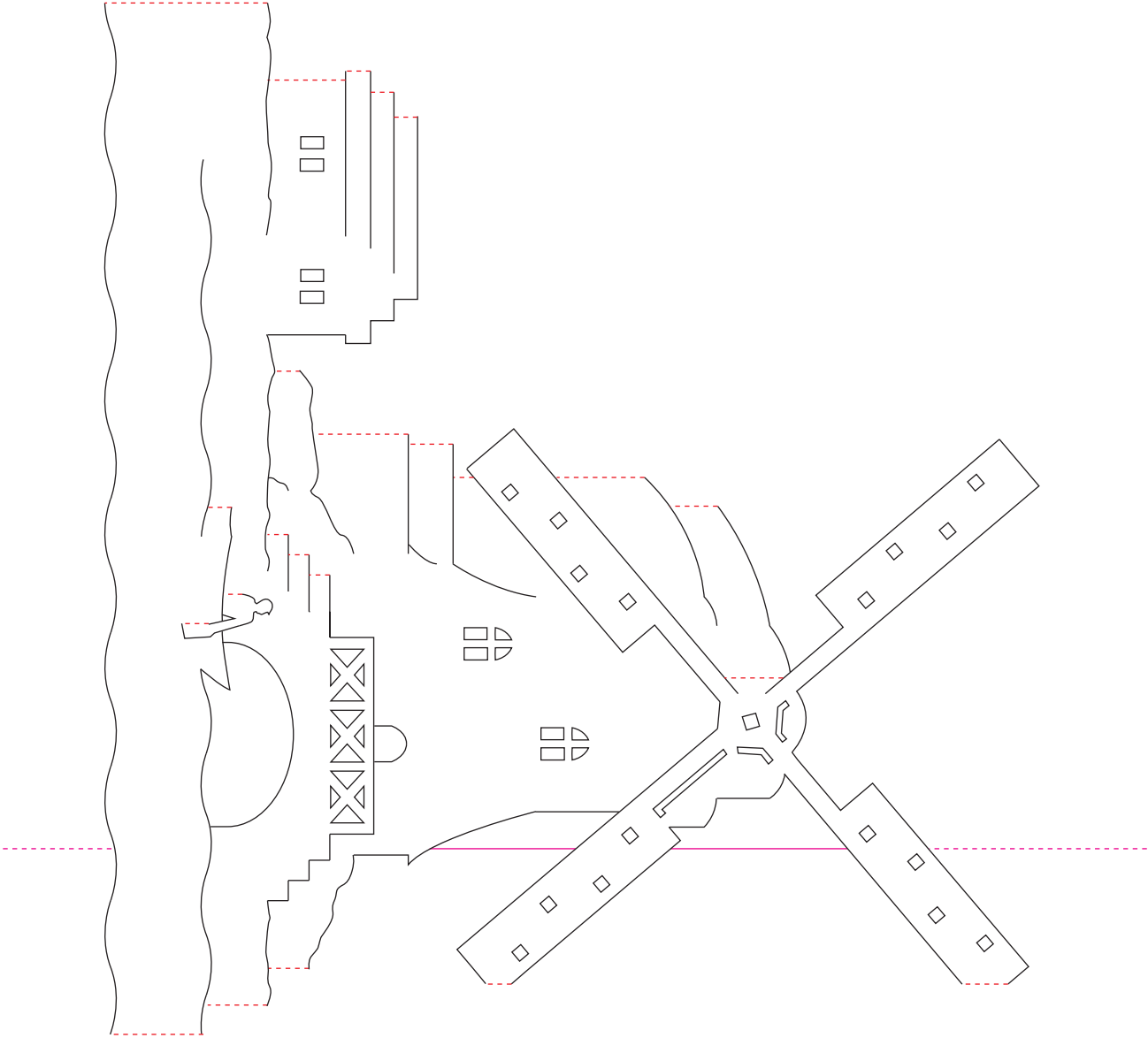
26.1 cm



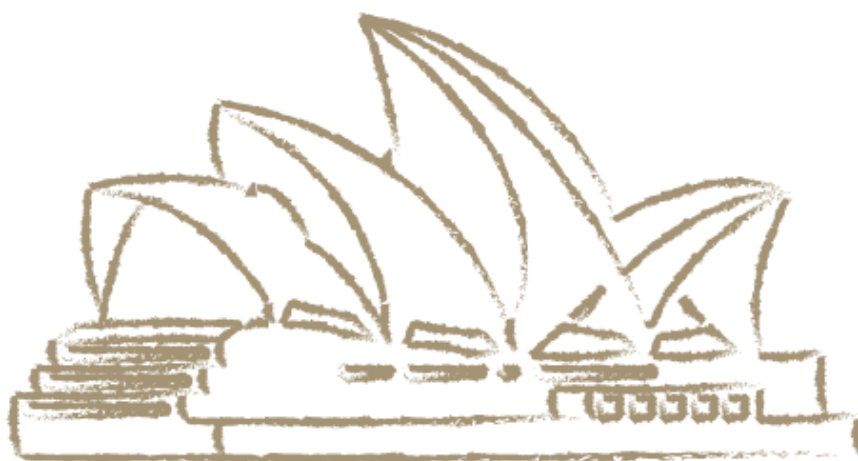
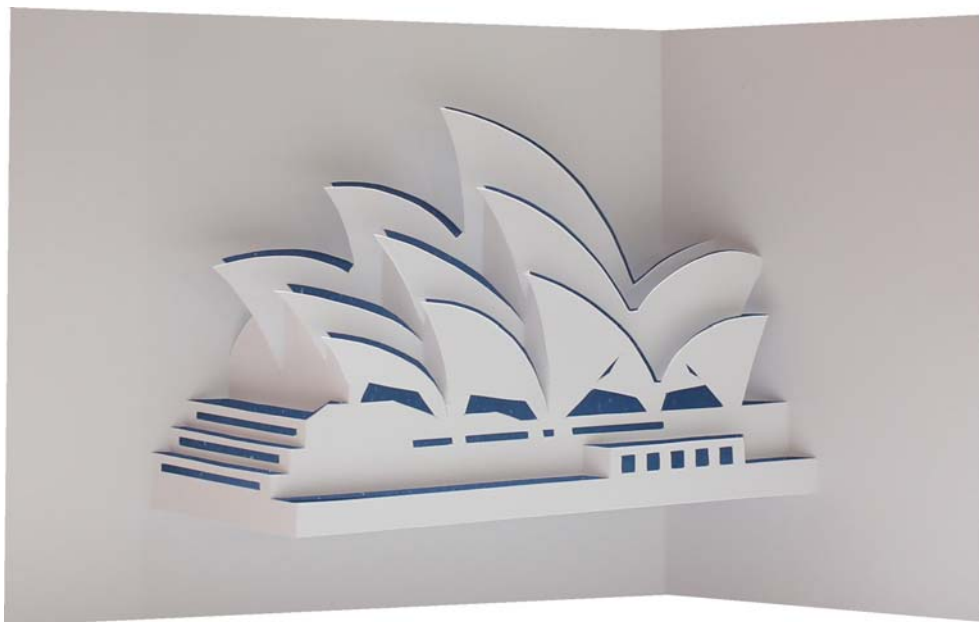
## 4. Windmill

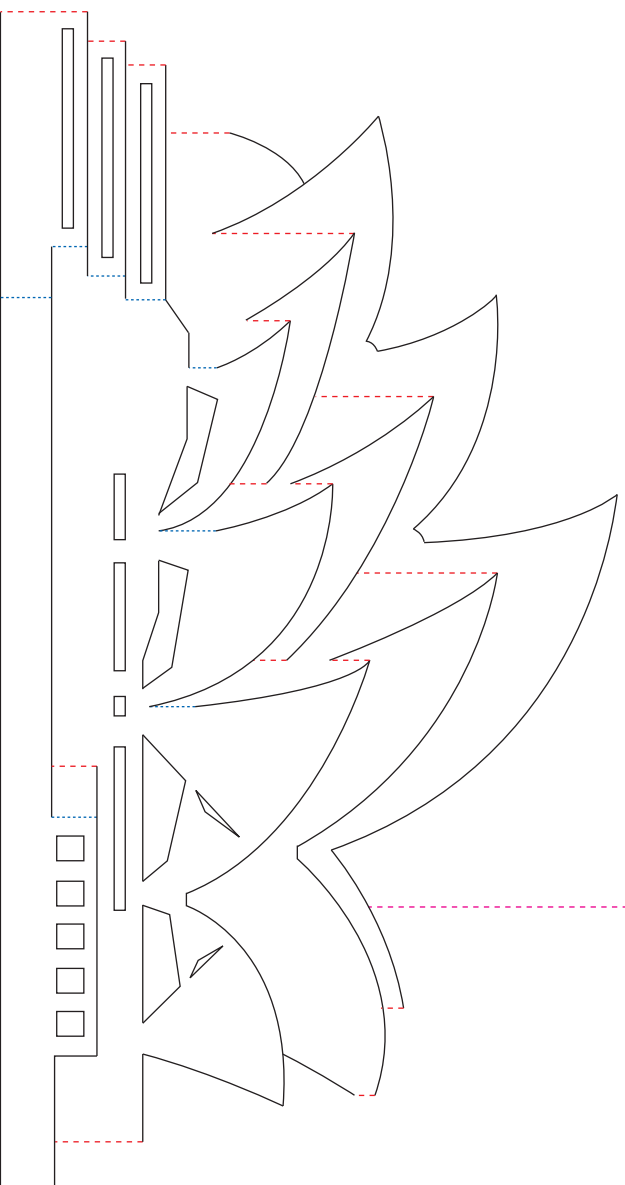






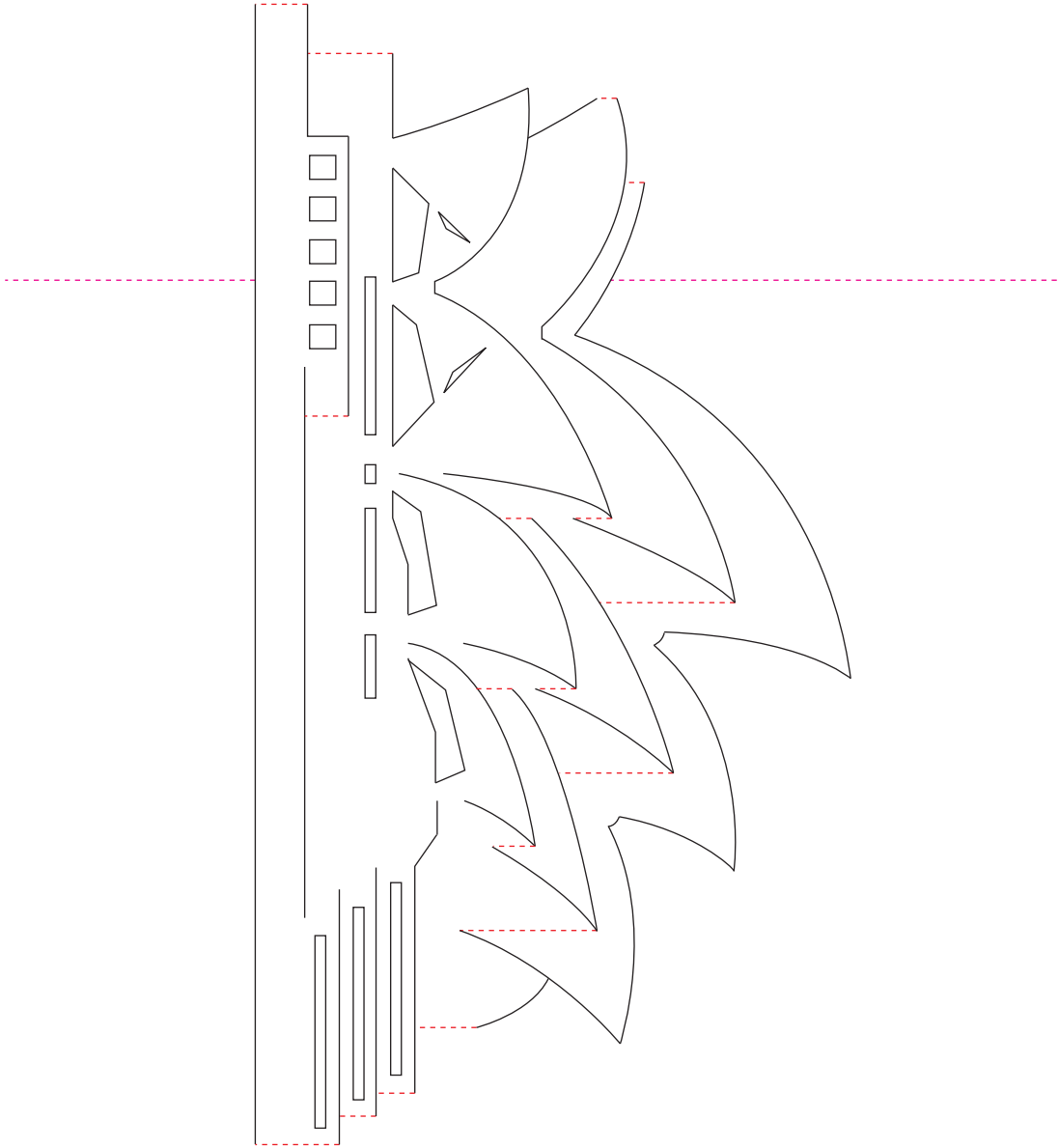
## 5. Opera House





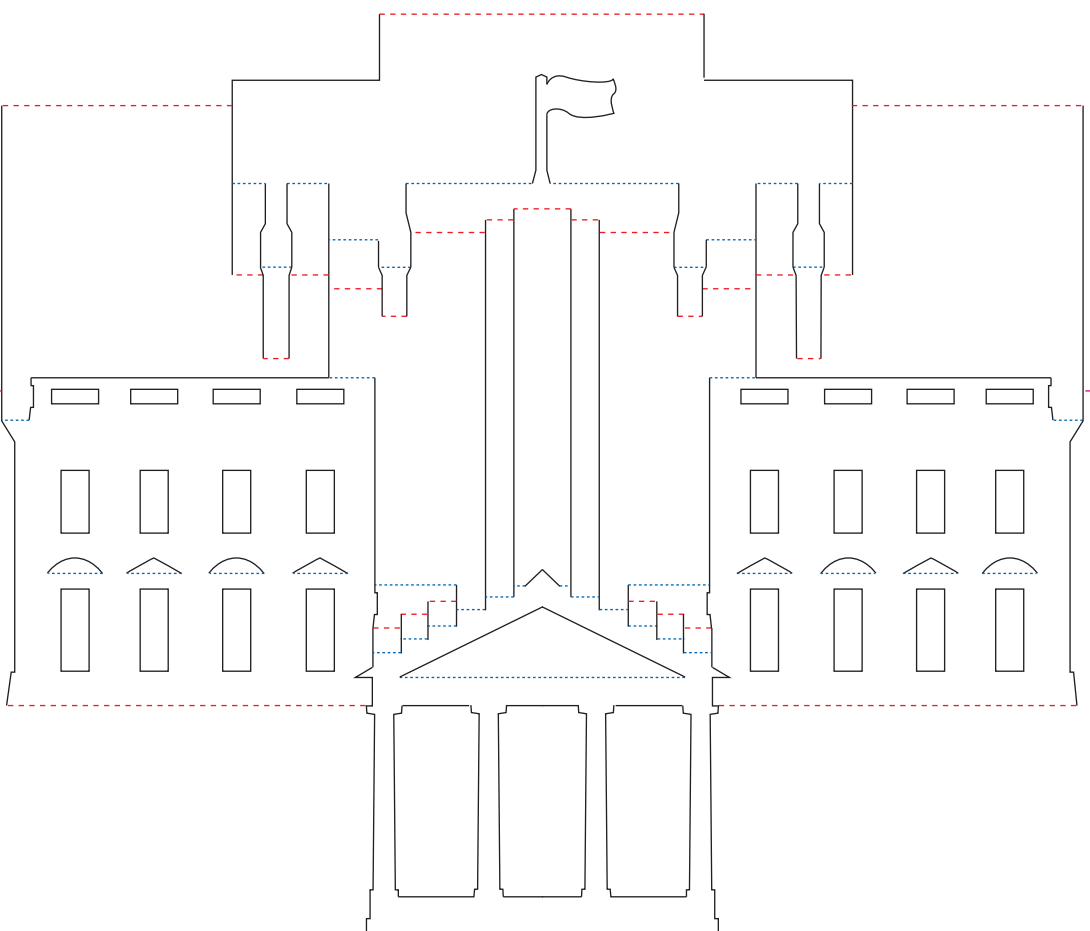
25.5 cm



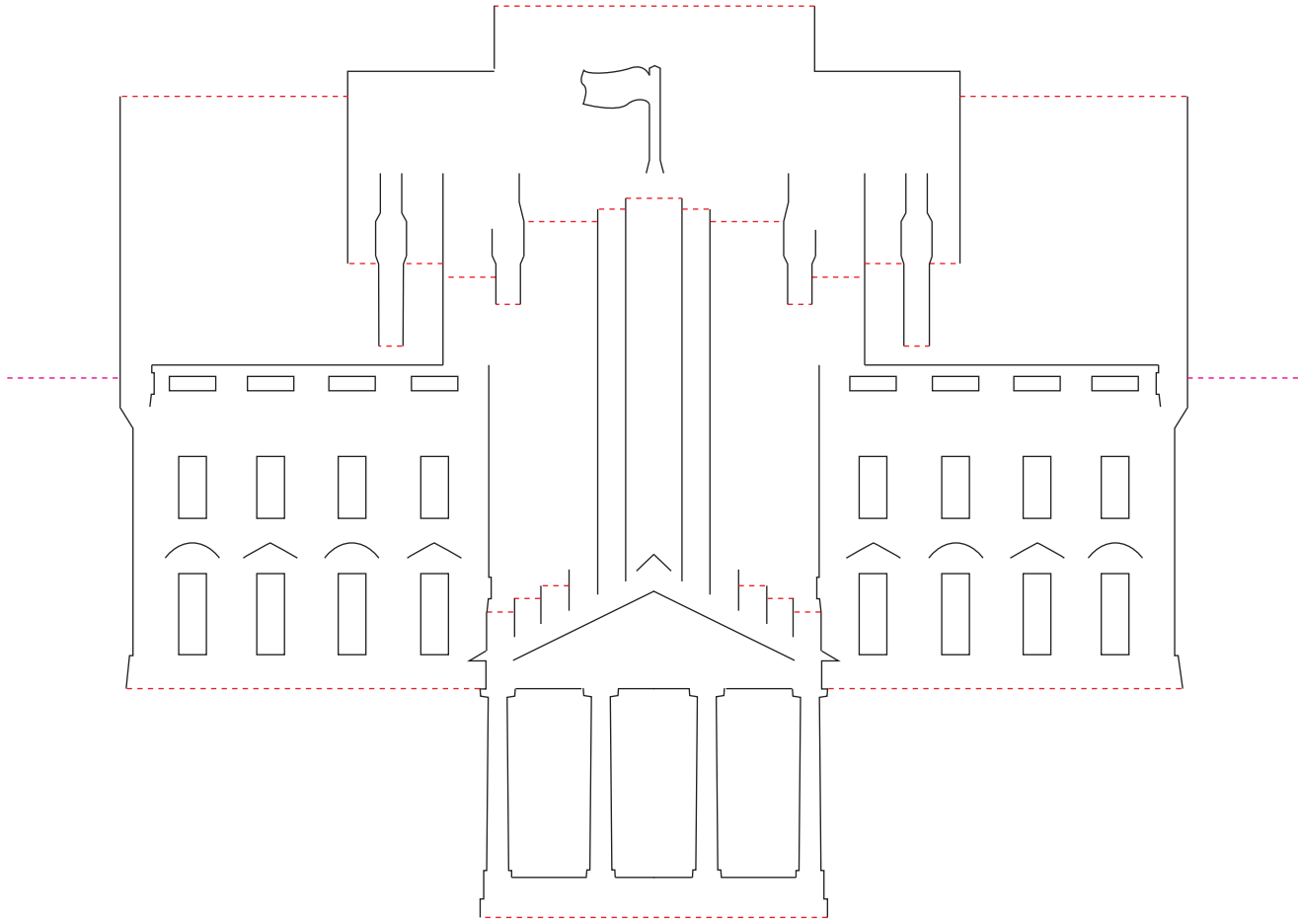


## 6. White House



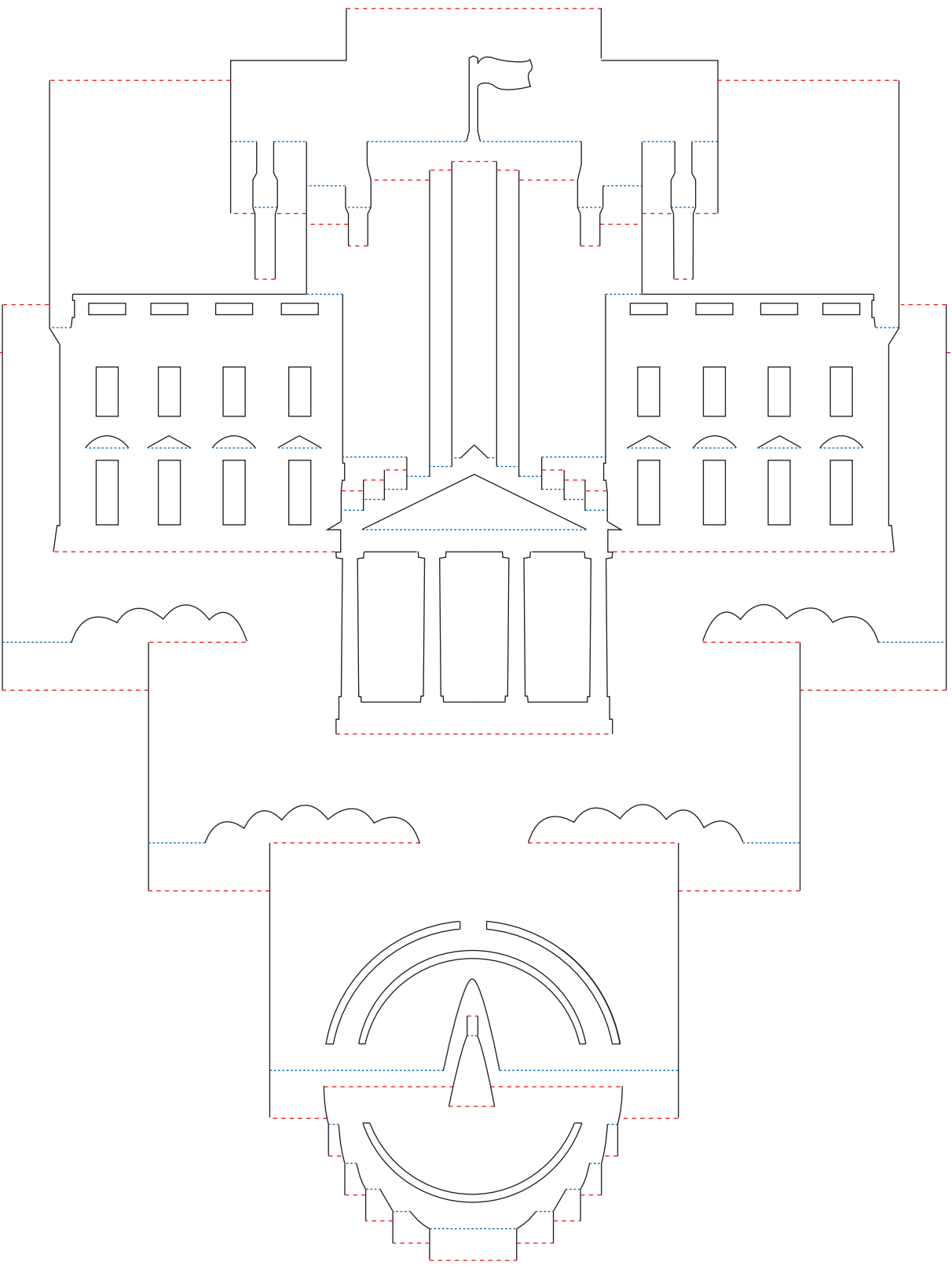


25.1 cm



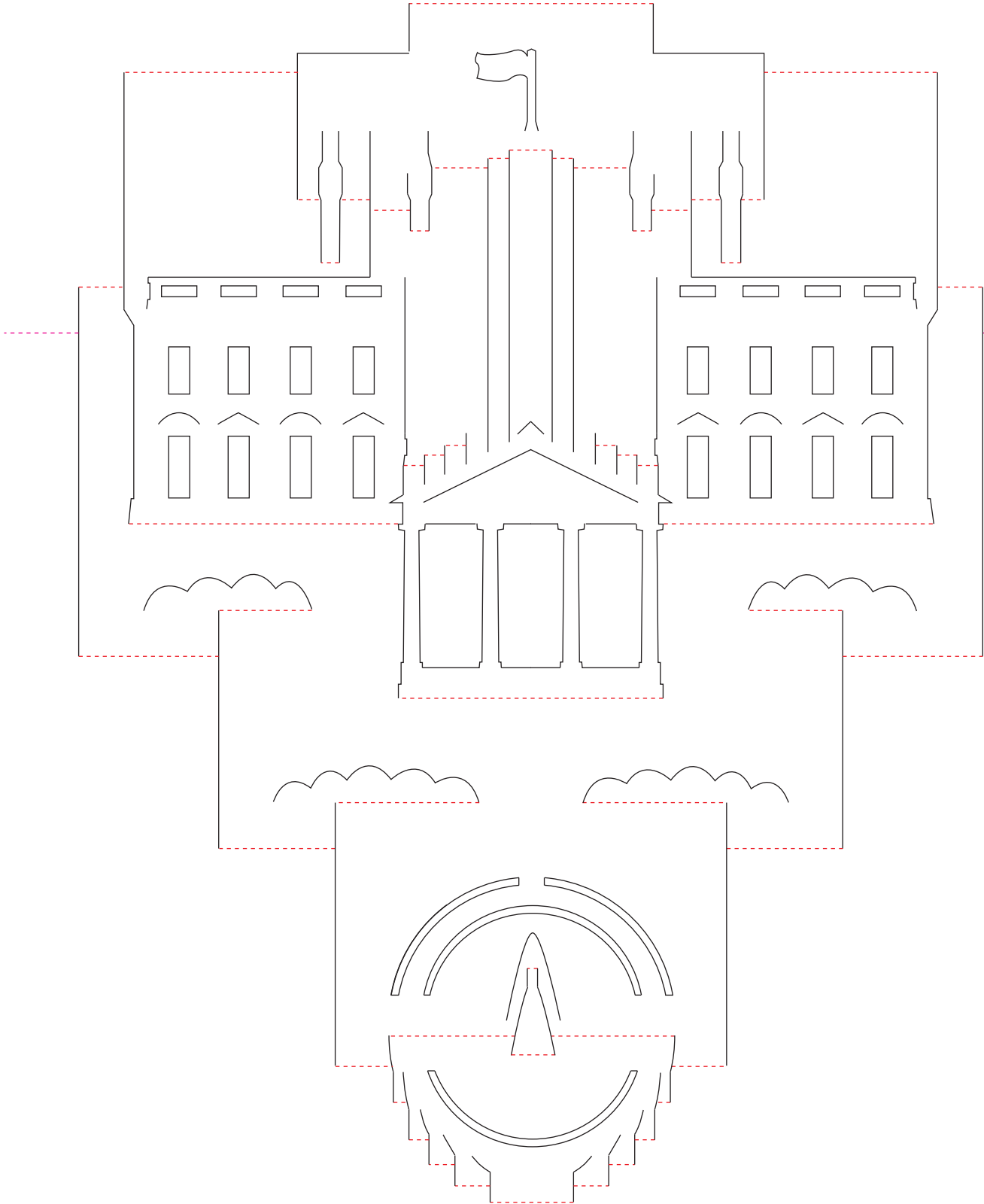
## 7. White House(refined)





11 cm

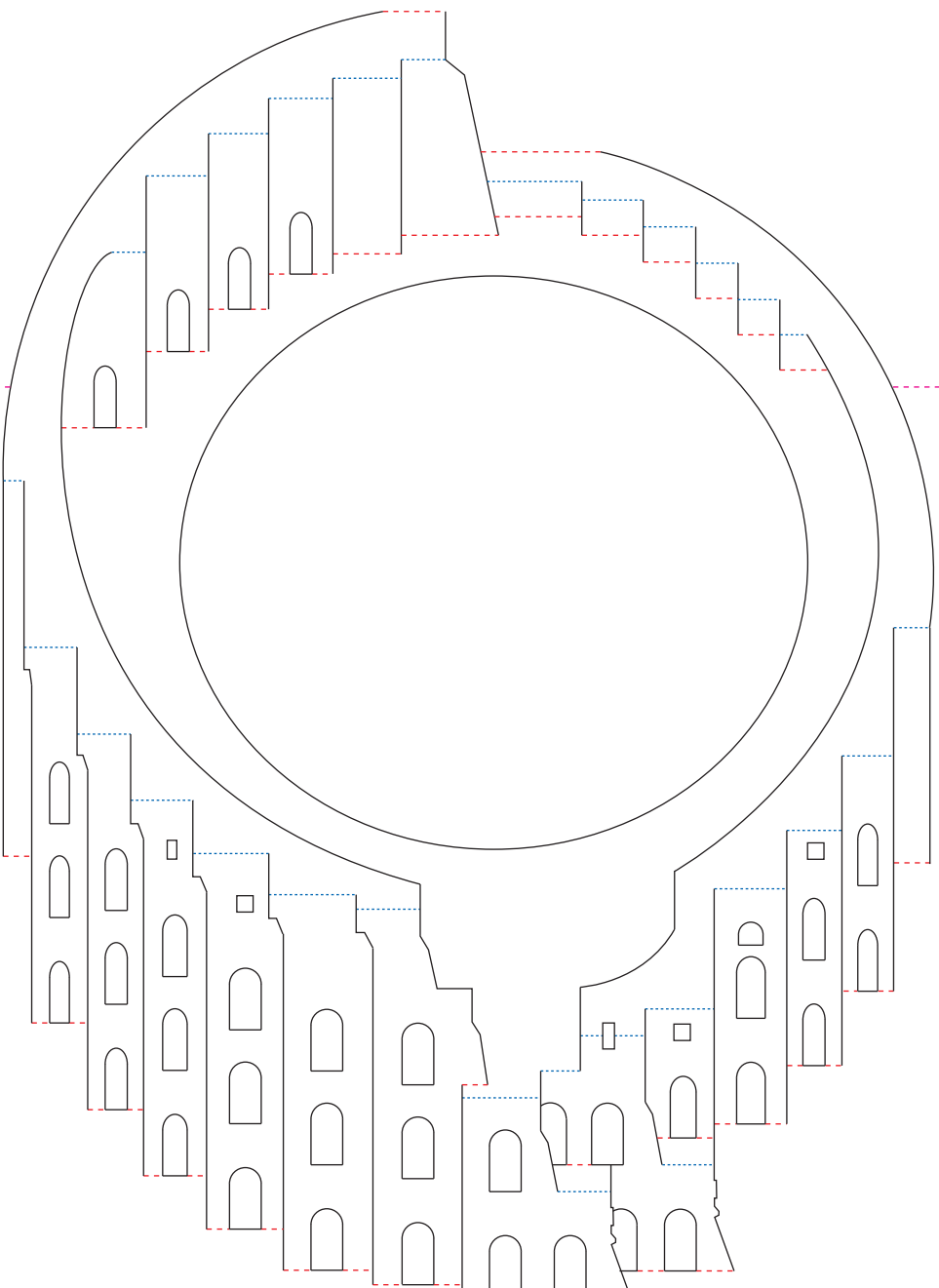
16.2 cm





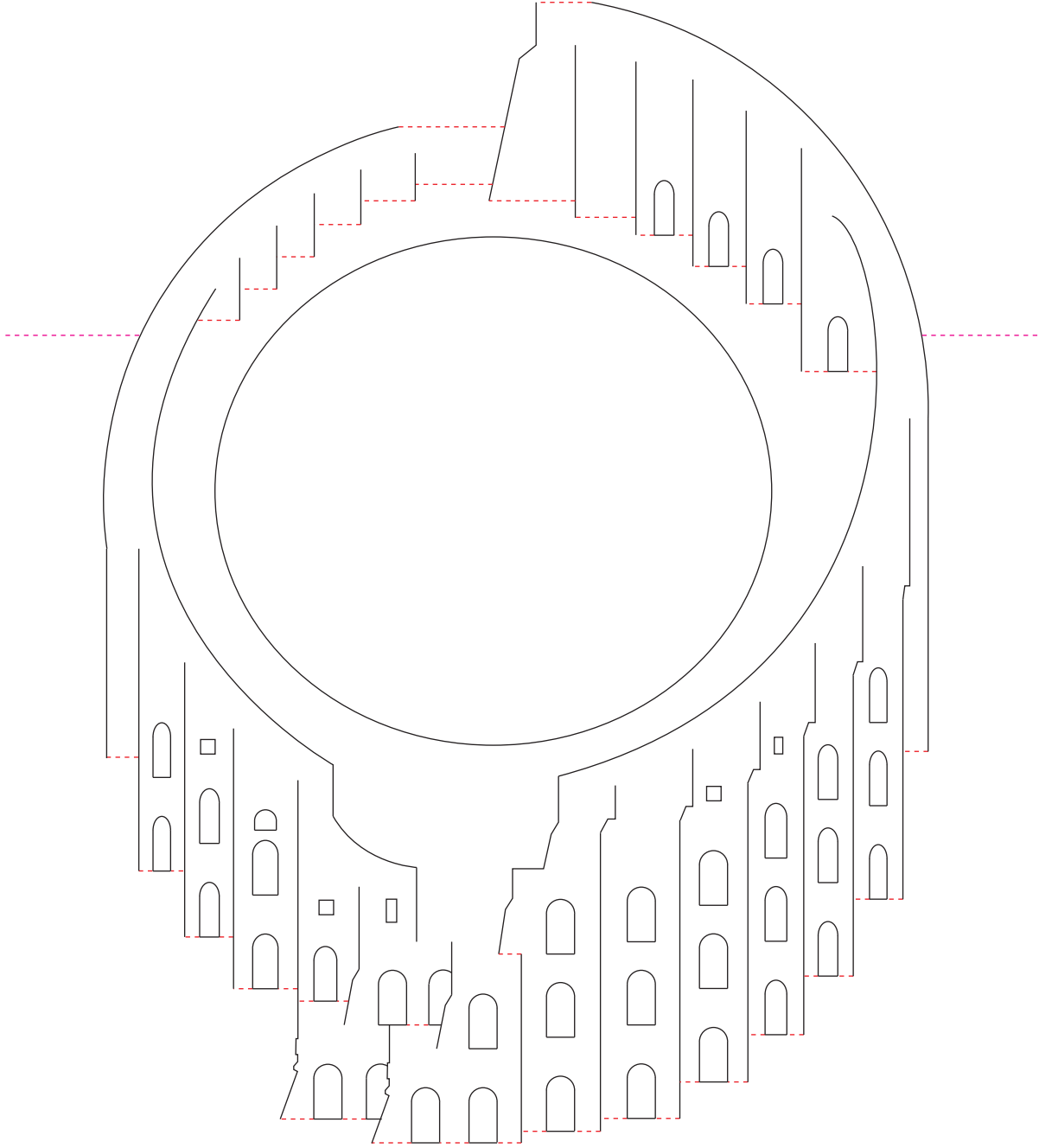
## 8. Colosseum





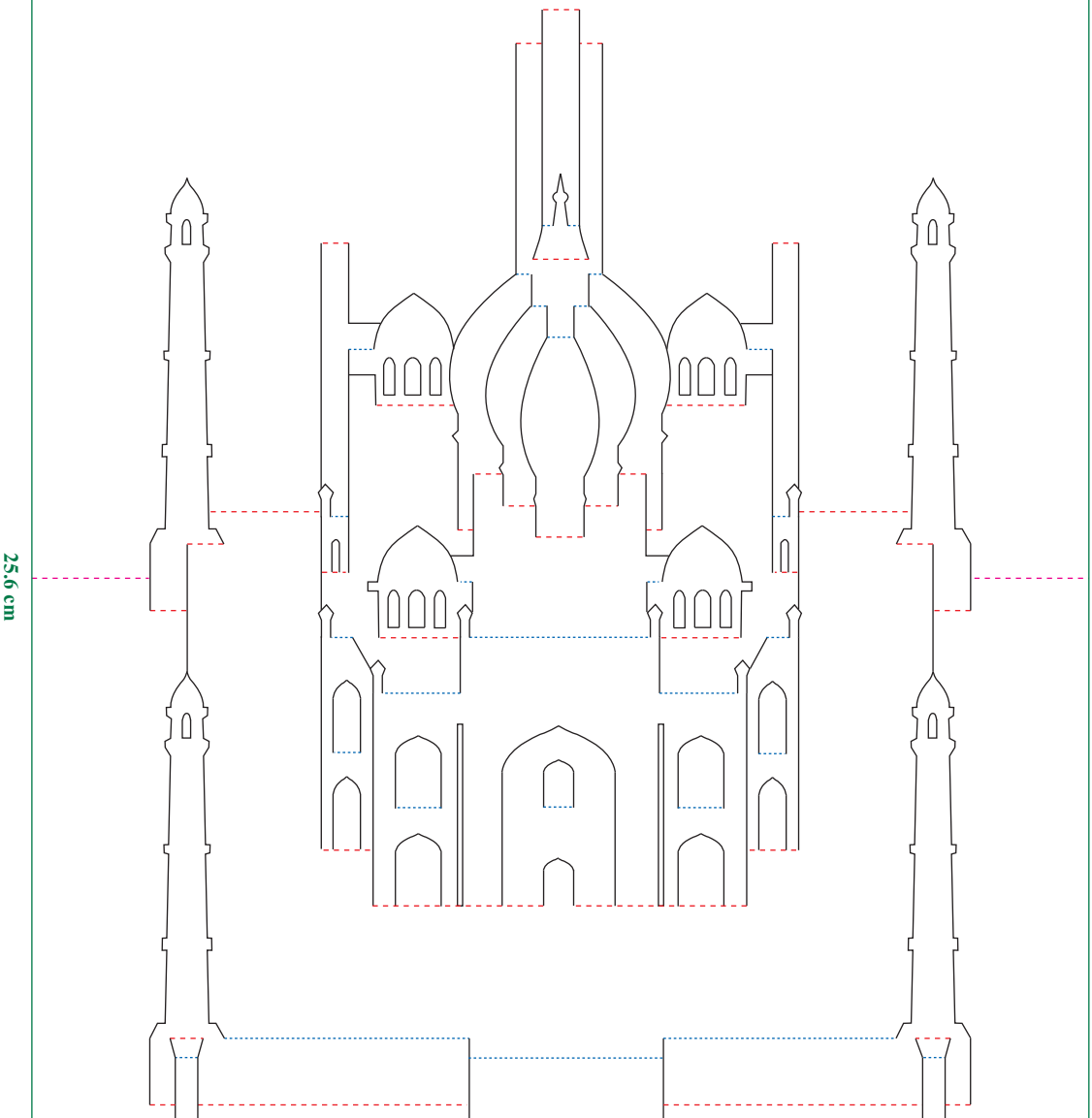
10.2 cm

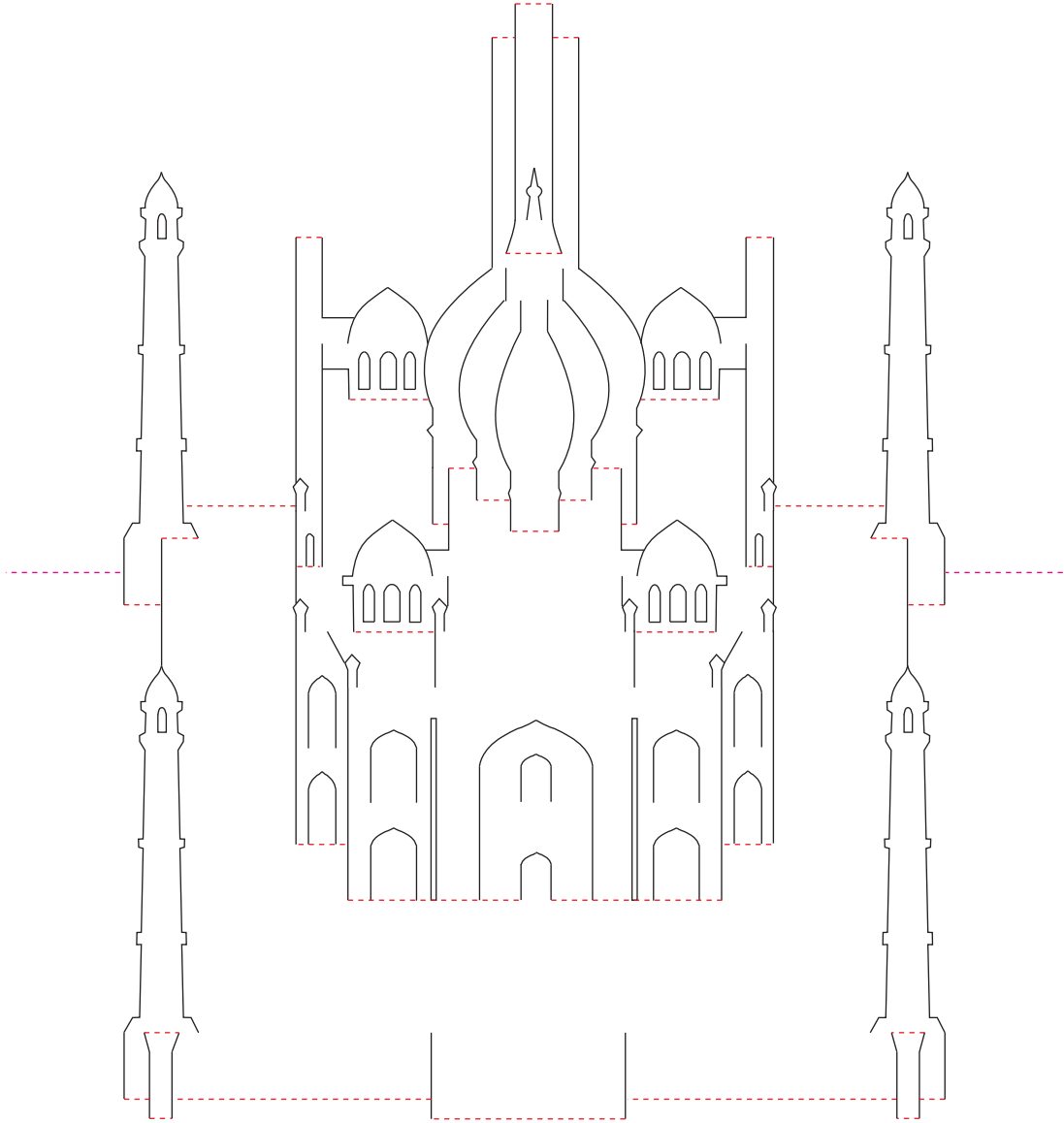
17.4 cm



## 9. Taj Mahal

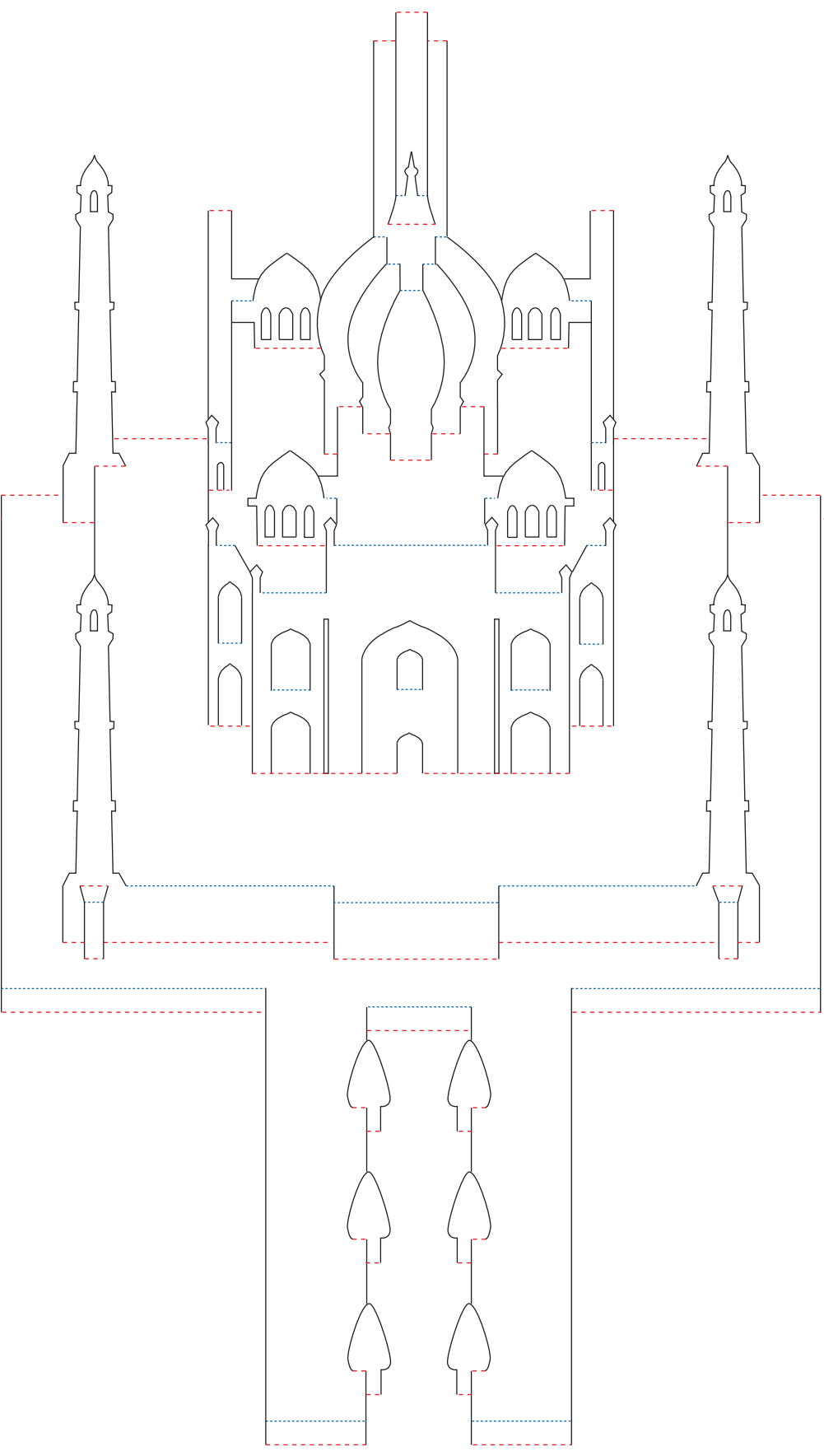






## 10. Taj Mahal(refined)

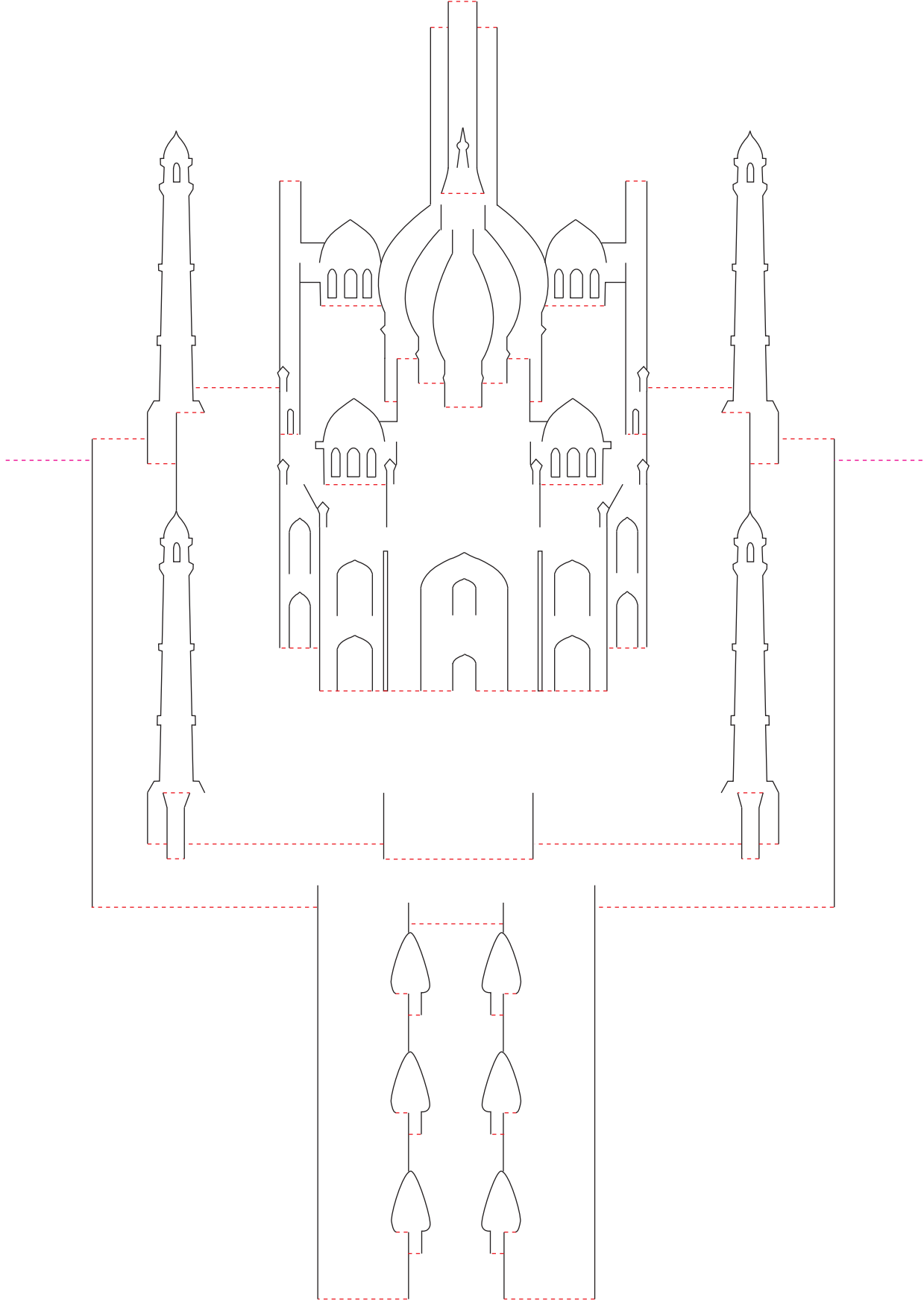




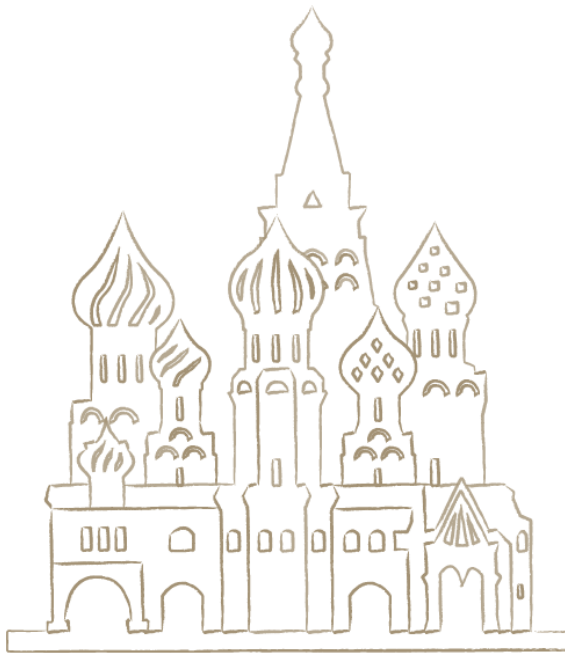
11.57 cm

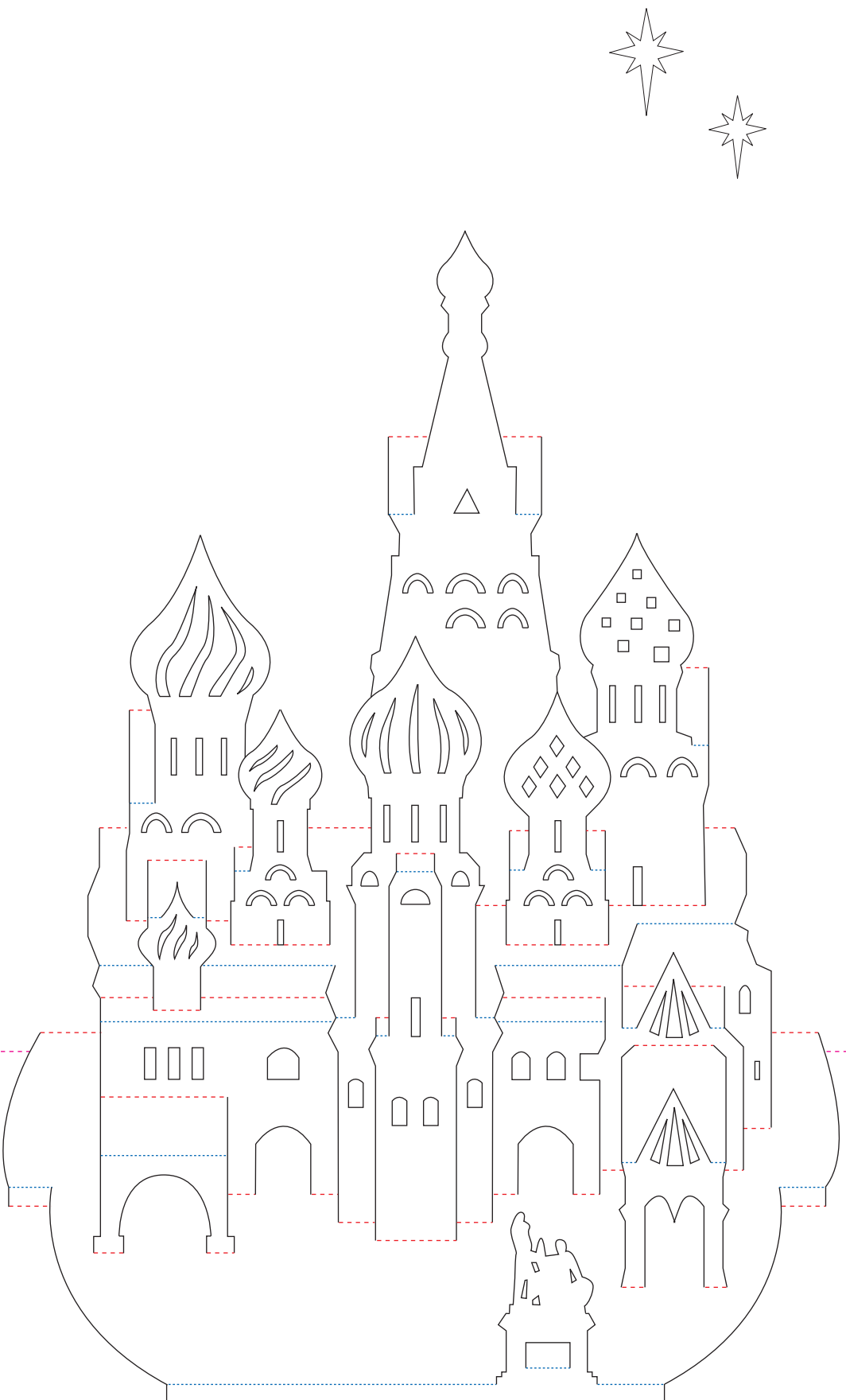
16.3 cm





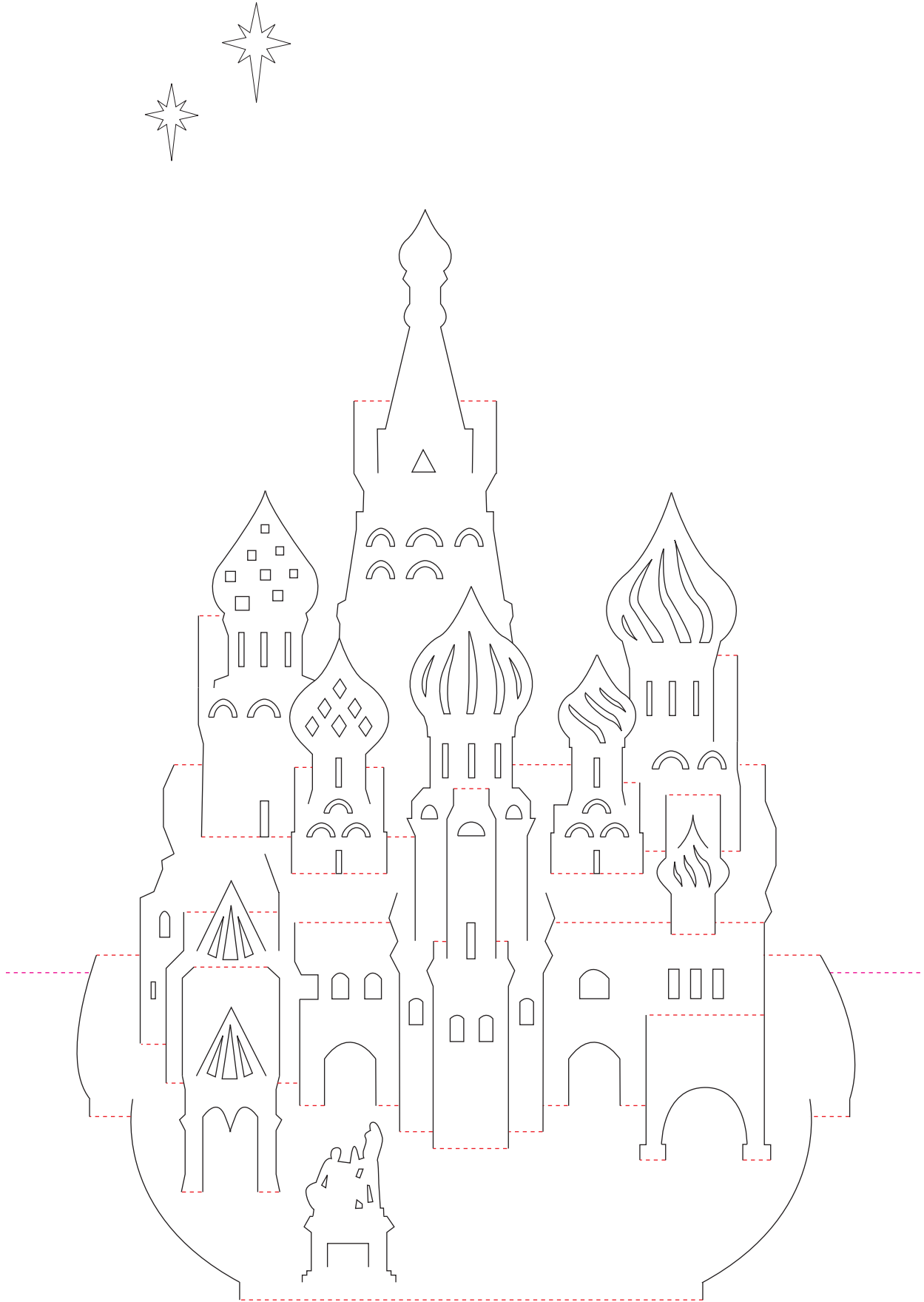
## 11. Saint Basil's Cathedral



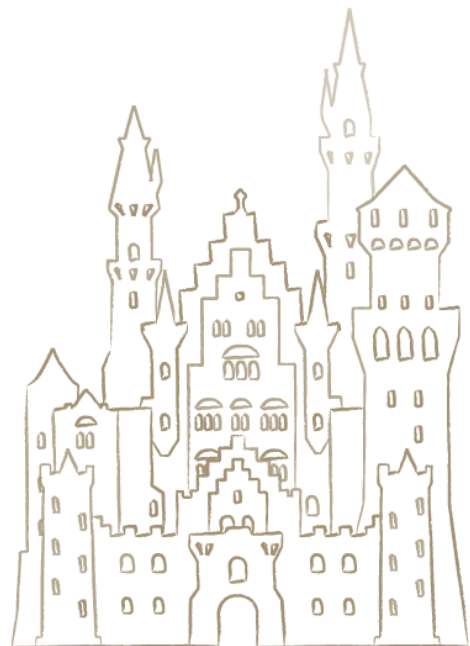


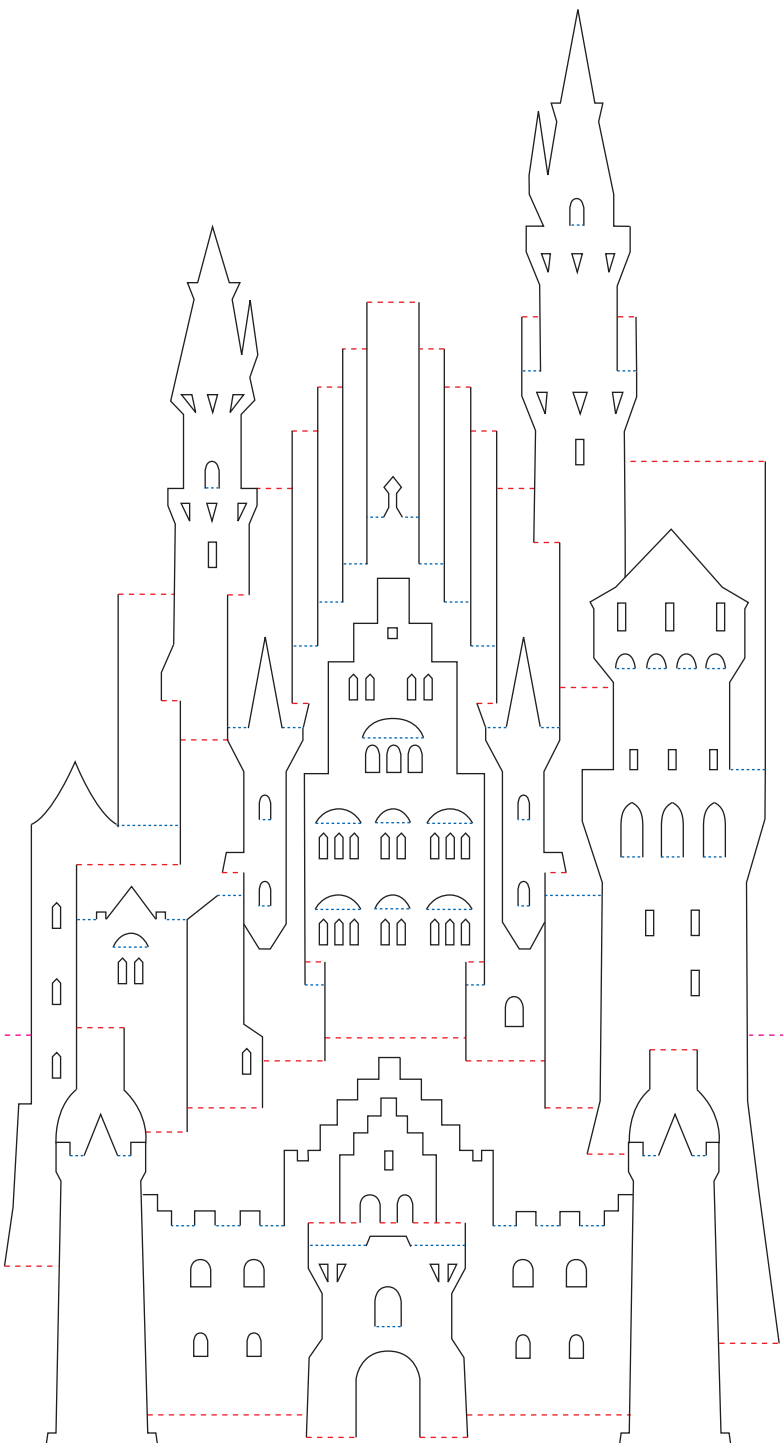
18.2 cm

9.1 cm



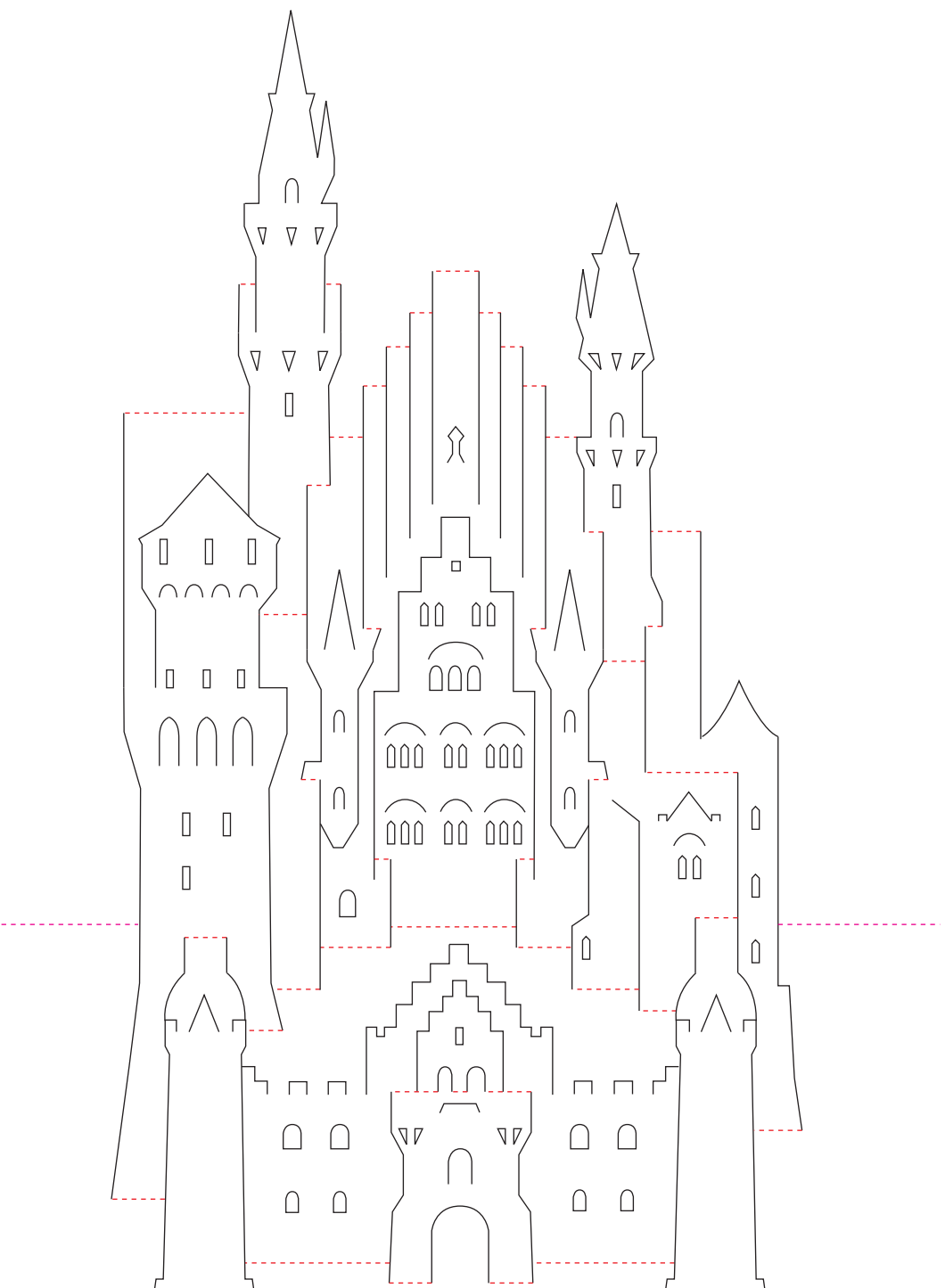
## 12. Neuschwanstein Castle





17.3 cm

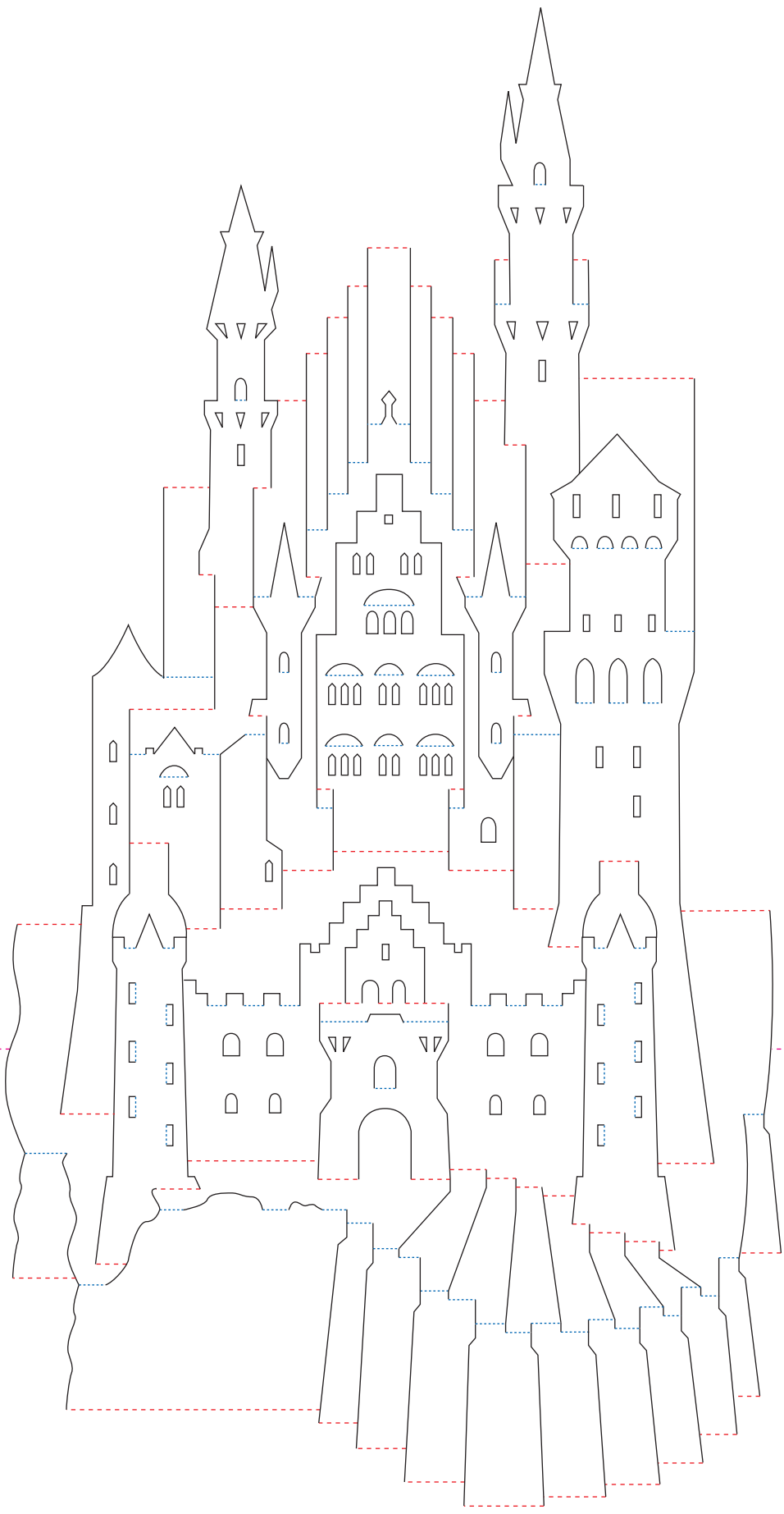
10.4 cm



### 13. Neuschwanstein Castle(refined)

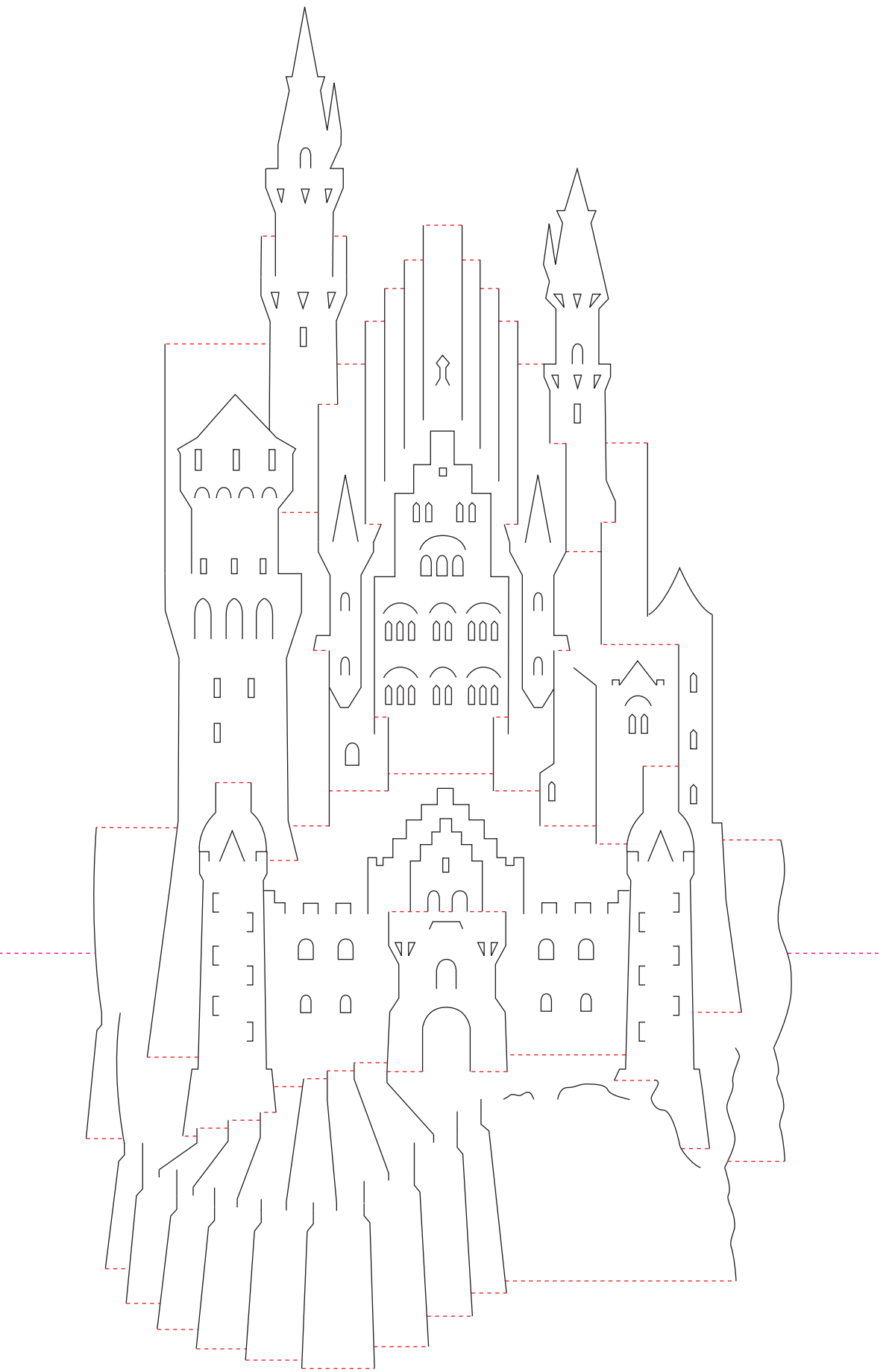




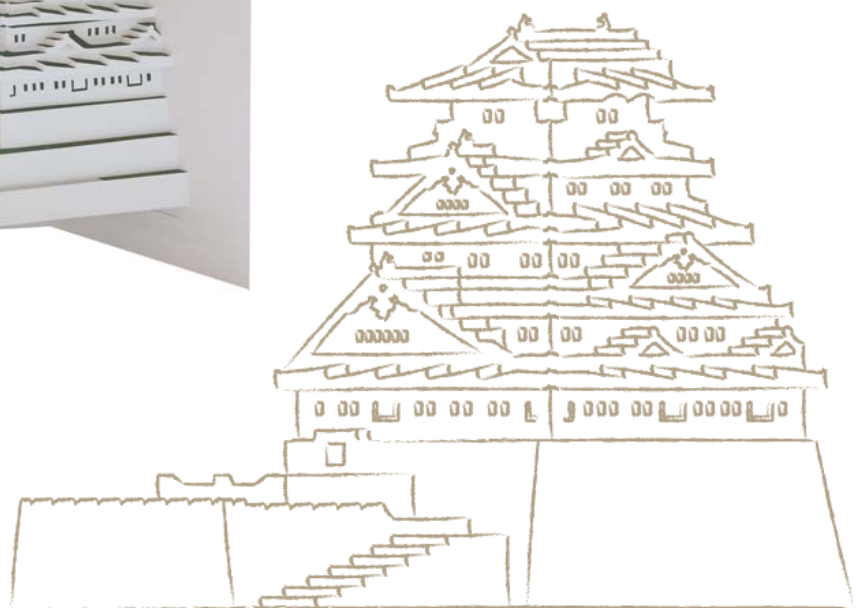


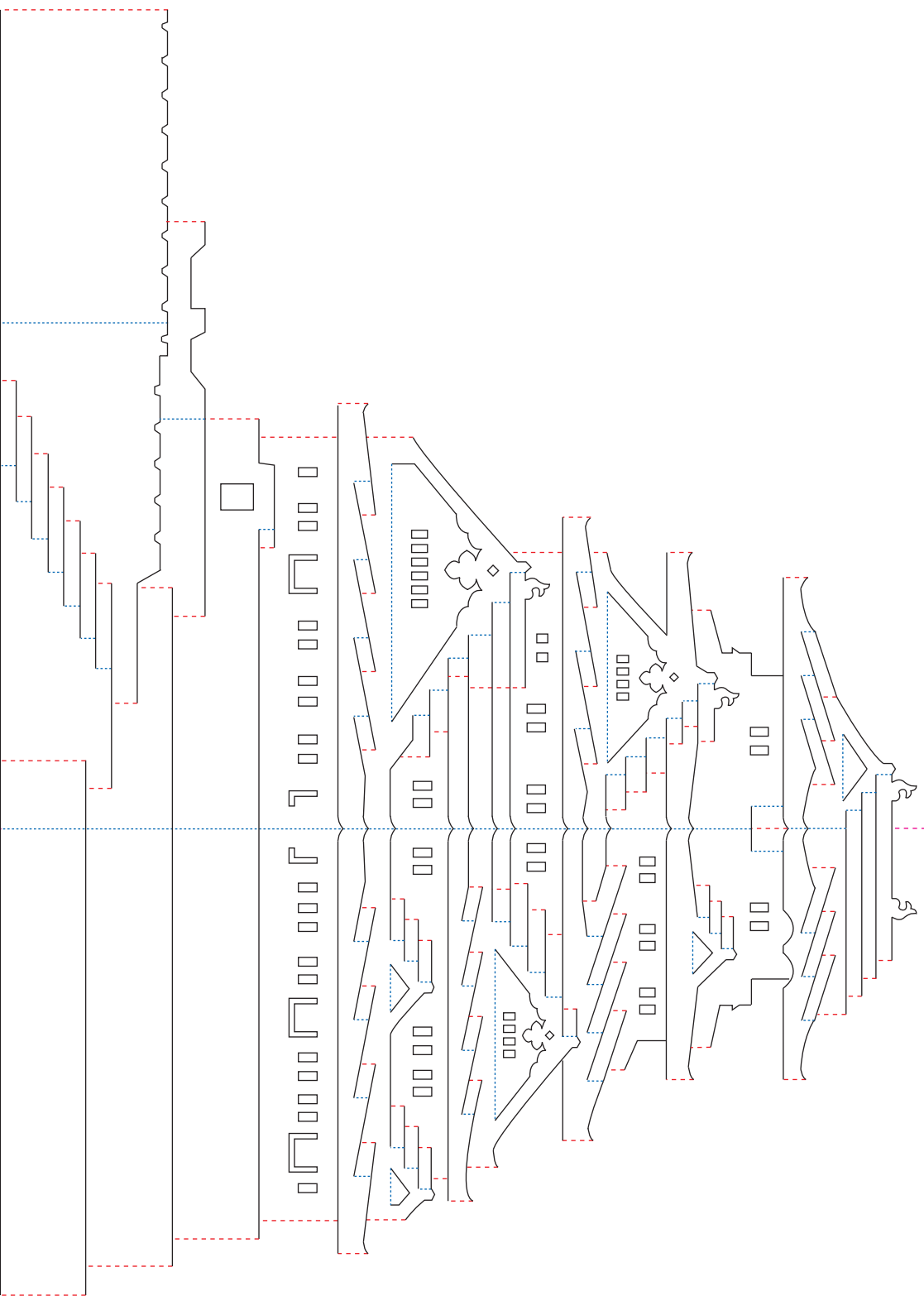
18.3 cm

10.3 cm



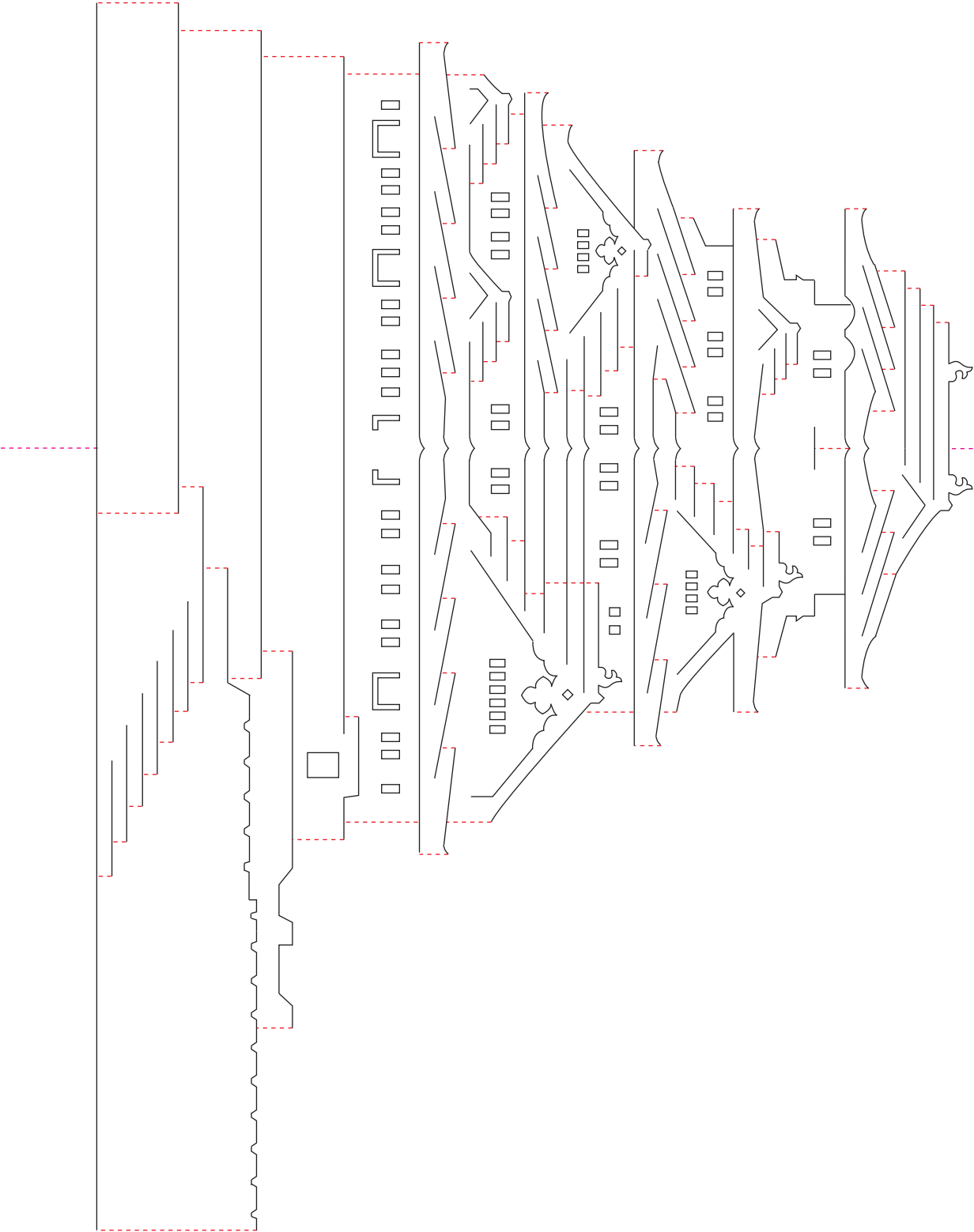
## 14. Osaka Castle



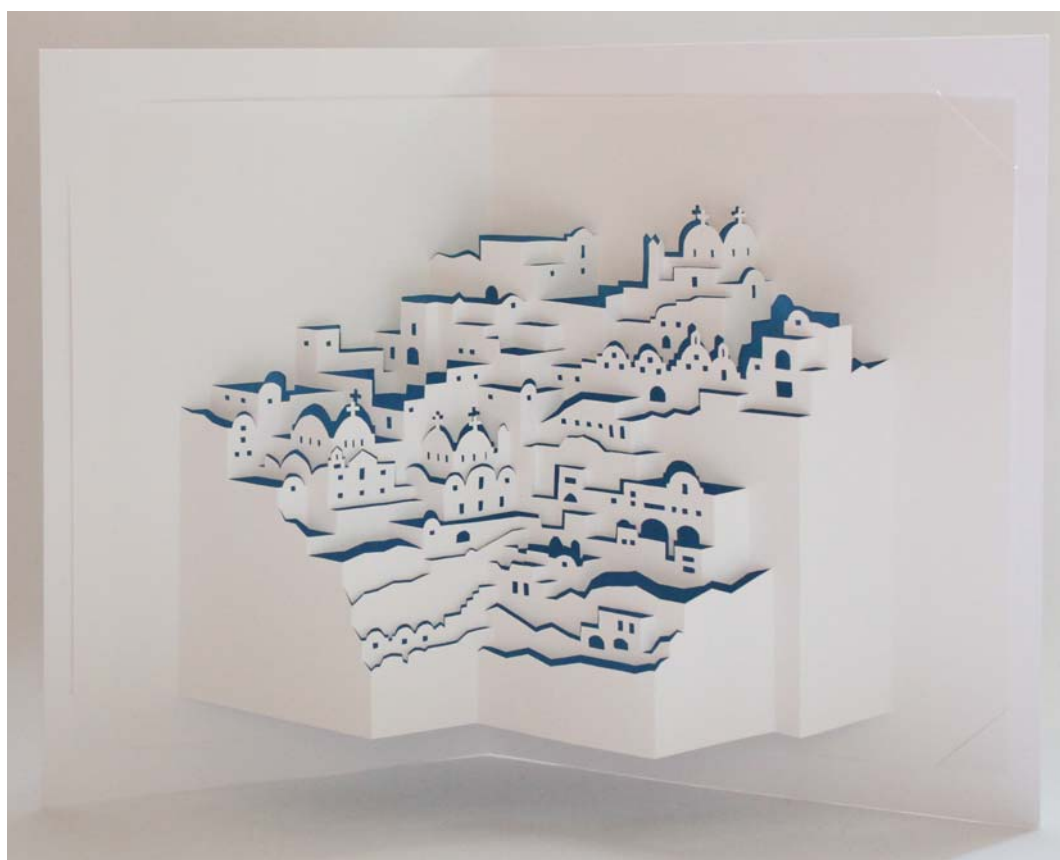


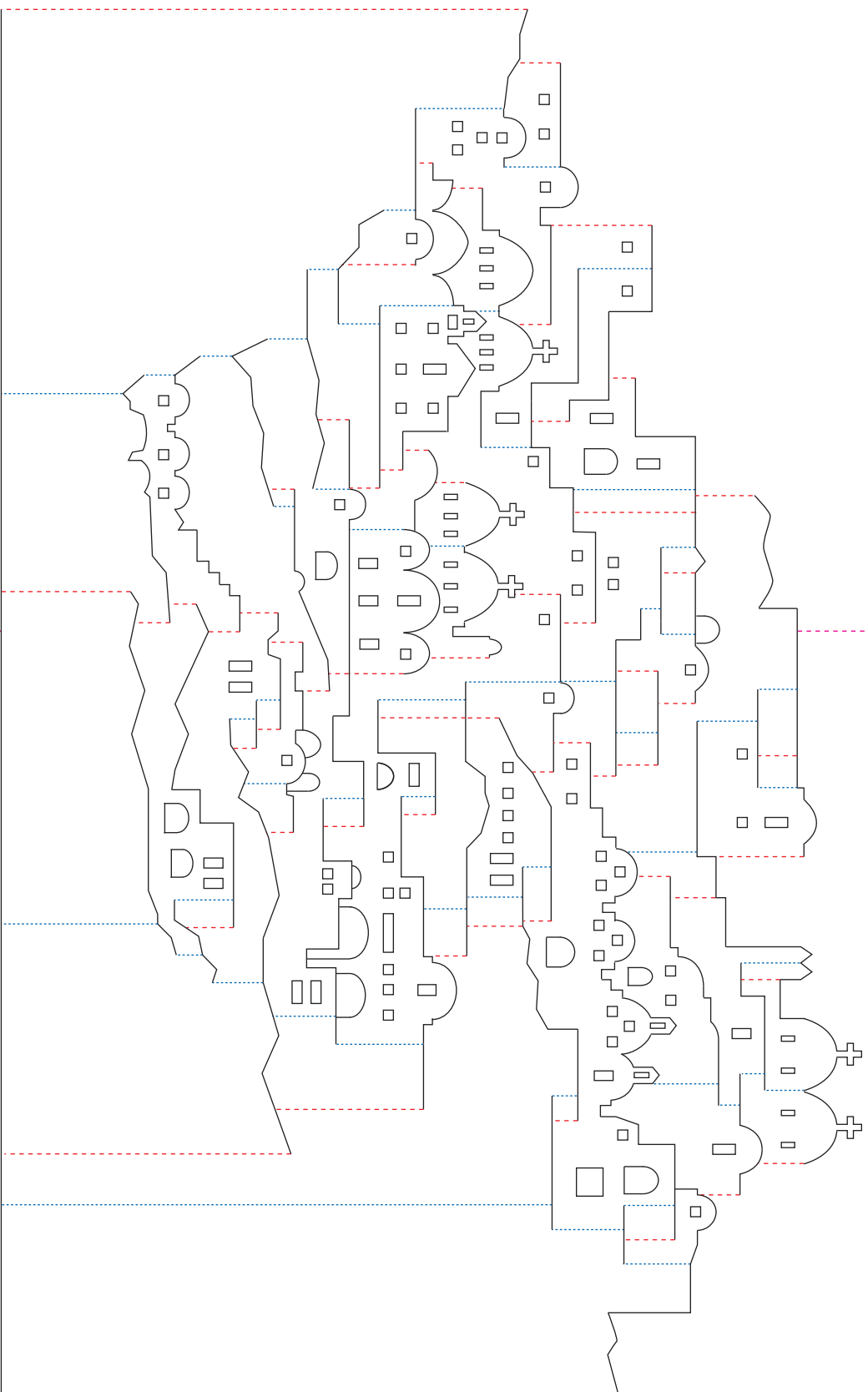
18.5 cm

10.6 cm



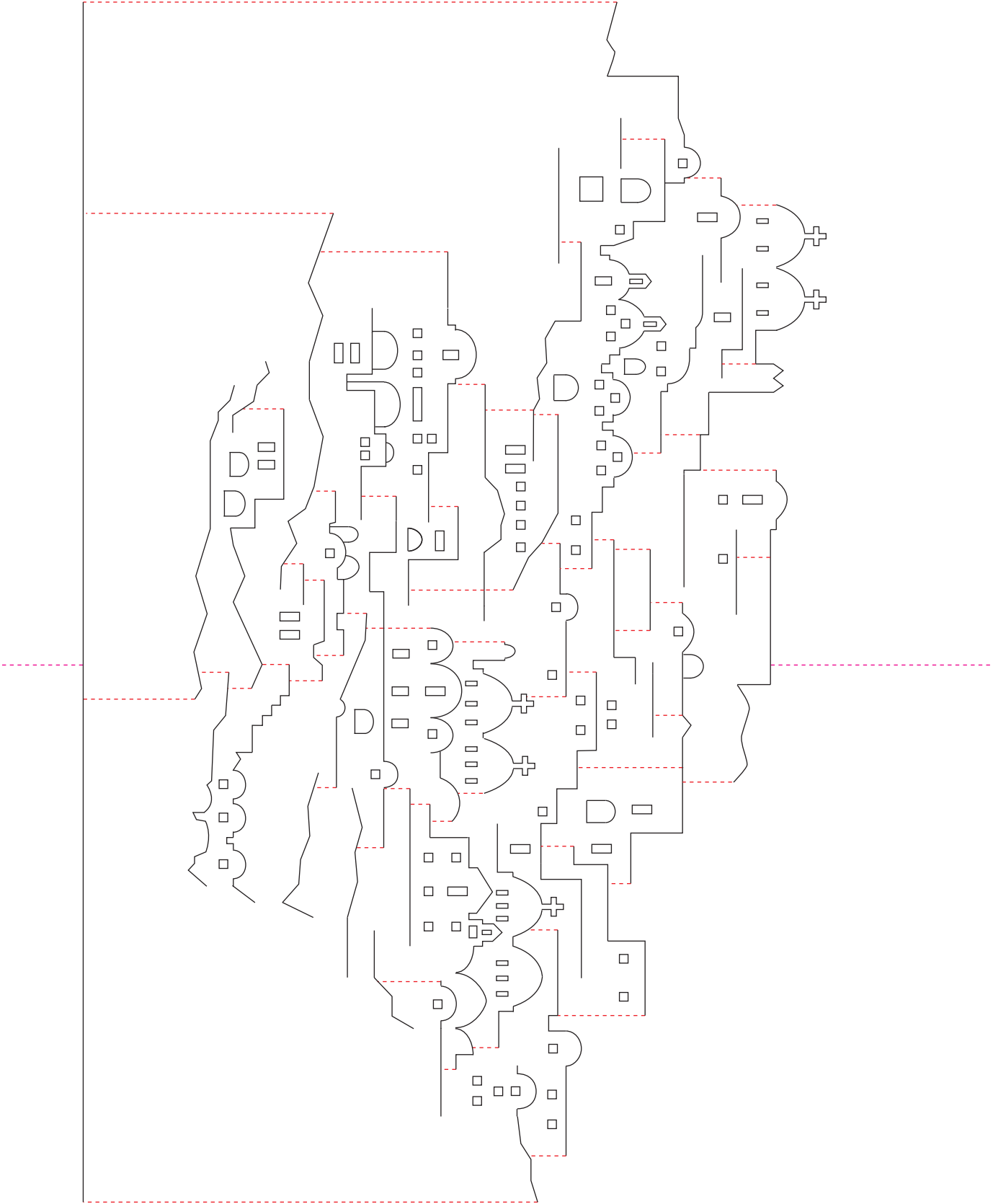
## 15. Coast of Oia, Santorini Greece





12.8 cm

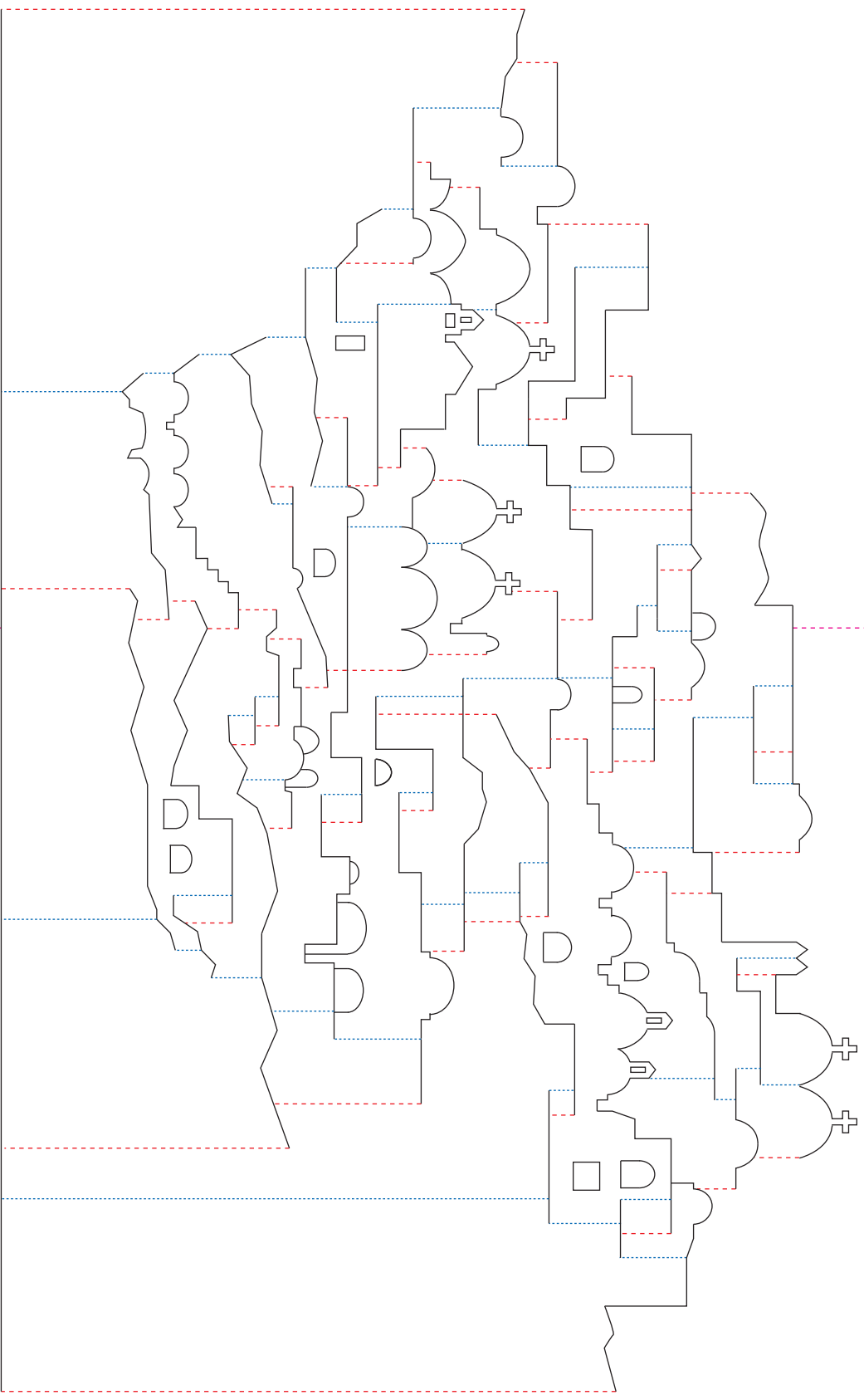
15.2 cm





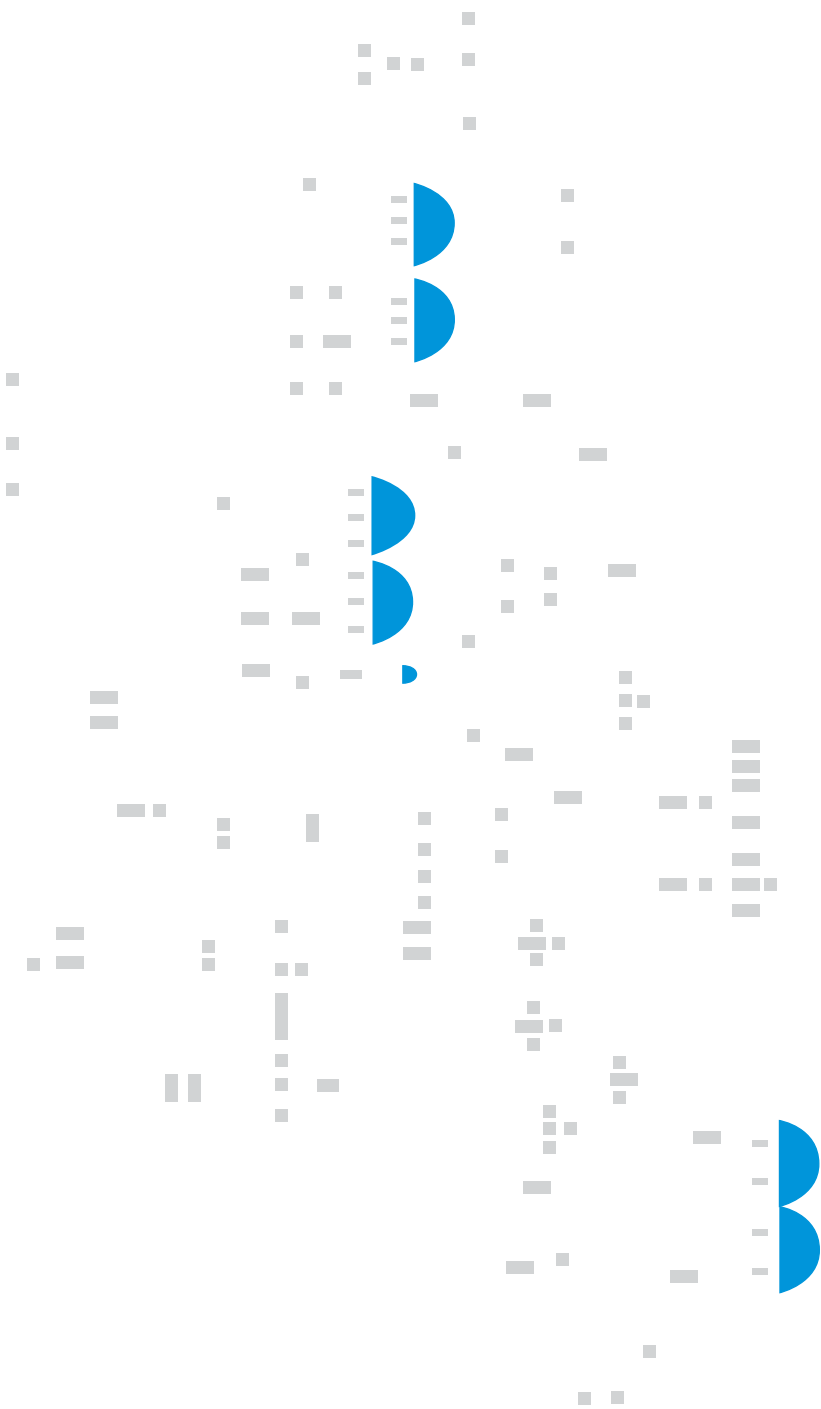
## 16. Coast of Oia, Santorini Greece(color)

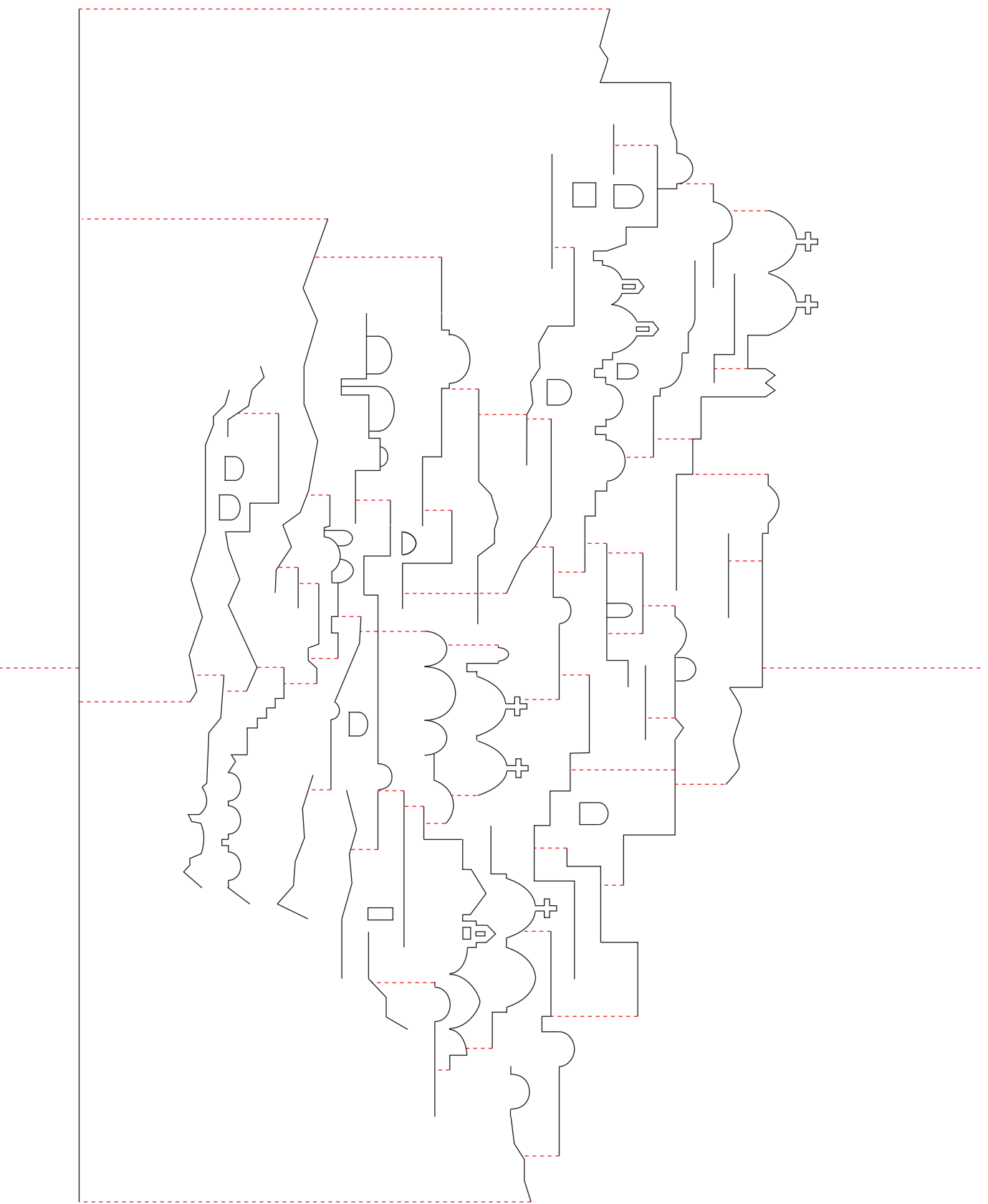




12.8 cm

15.2 cm



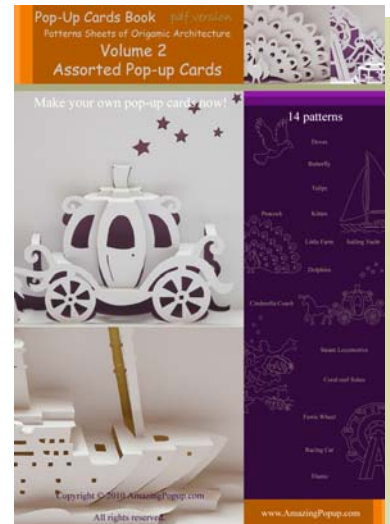


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# The End

## Volume 2 Assorted Pop-up Cards

- |                |                      |
|----------------|----------------------|
| 1. Doves       | 8. Coral Reef Fishes |
| 2. Butterfly   | 9. Sailing Yacht     |
| 3. Tulips      | 10. Cinderella Coach |
| 4. Kitten      | 11. Ferris Wheel     |
| 5. Dolphins    | 12. Steam Locomotive |
| 6. Peacock     | 13. Racing Car       |
| 7. Little Farm | 14. Titanic          |



## Volume 3 Special Occasions

- |                   |                          |
|-------------------|--------------------------|
| 1. Moon Night     | 9. Birthday Cake         |
| 2. Heart          | 10. Birthday Cake(color) |
| 3. Lovely Bear    | 11. 90° Christmas Tree   |
| 4. Two Swans      | 12. Santa Mouse          |
| 5. Wedding Cake   | 13. Snowflake            |
| 6. Lovely House   | 14. Santa & Reindeer     |
| 7. Little Church  | 15. 180° Christmas Tree  |
| 8. Flower Bouquet |                          |



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