Pop-Up Card Book

pdf version

Pattern Sheets of Origamic Architecture

Carousel Pop-up Card

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Carousel Pop-up Card

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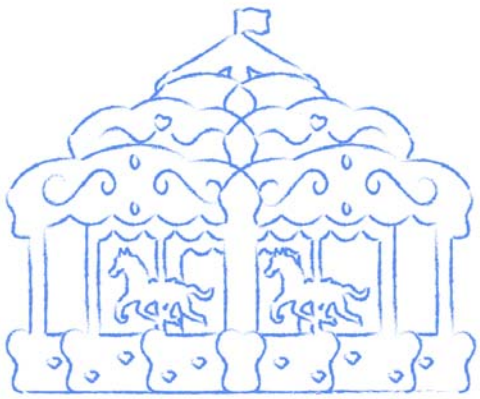
Carousel Pop-up Card



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INSTRUCTIONS

1. PREPARATION

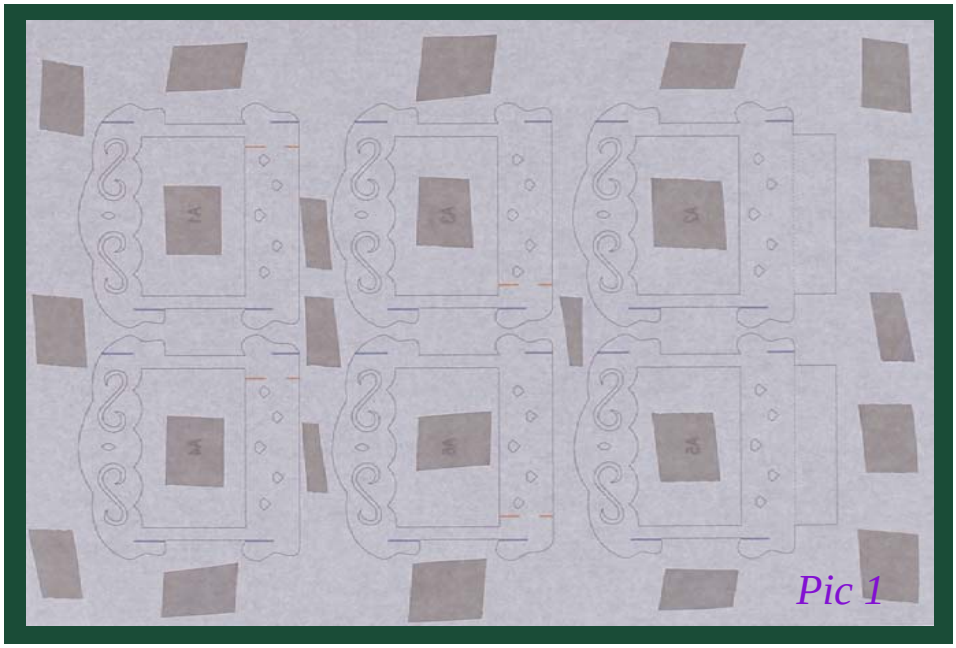
✧ Print p1 - p4 and p6(optional) on plain paper.

(Remarks: You can use either Part A2 & A5 on p1 or the same parts on p6.)

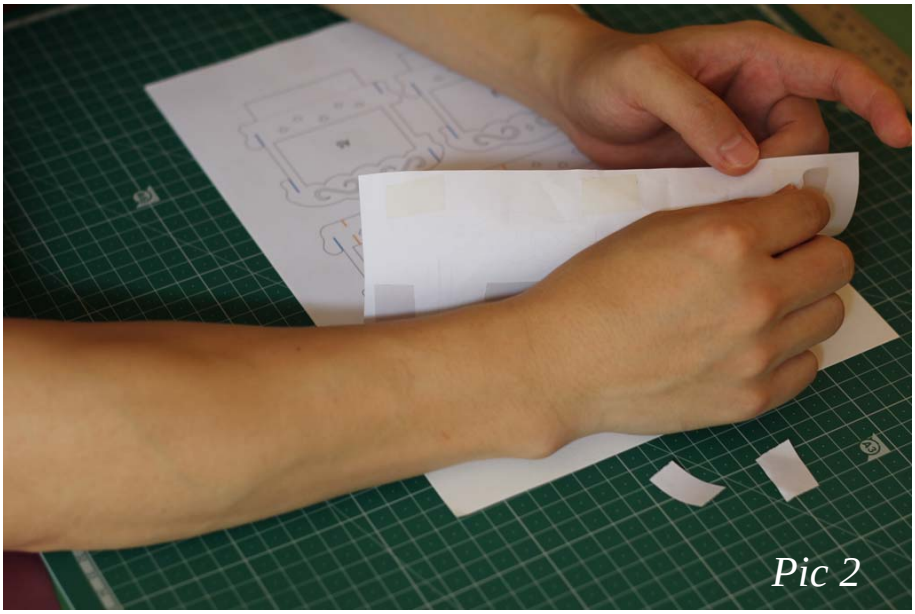
✧ Apply some double-sided tapes onto the blank areas on the back of the printout. (*See Pic 1*)

✧ Fix the printout on a card (130-180grams). (*See Pic 2 - 7*)

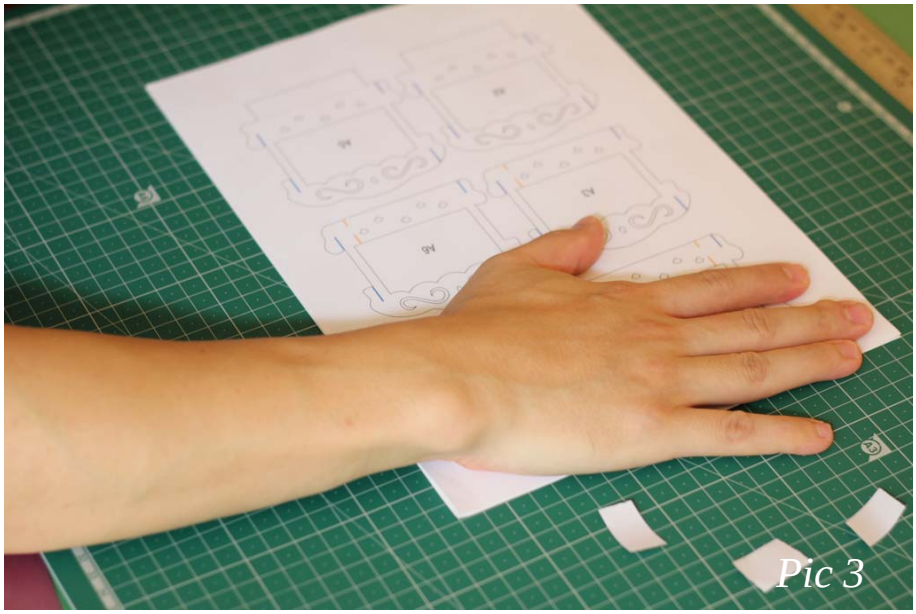
(Tip: The thinner the card, the easier will be the cutting.)



✧ Attached one side to the card first.

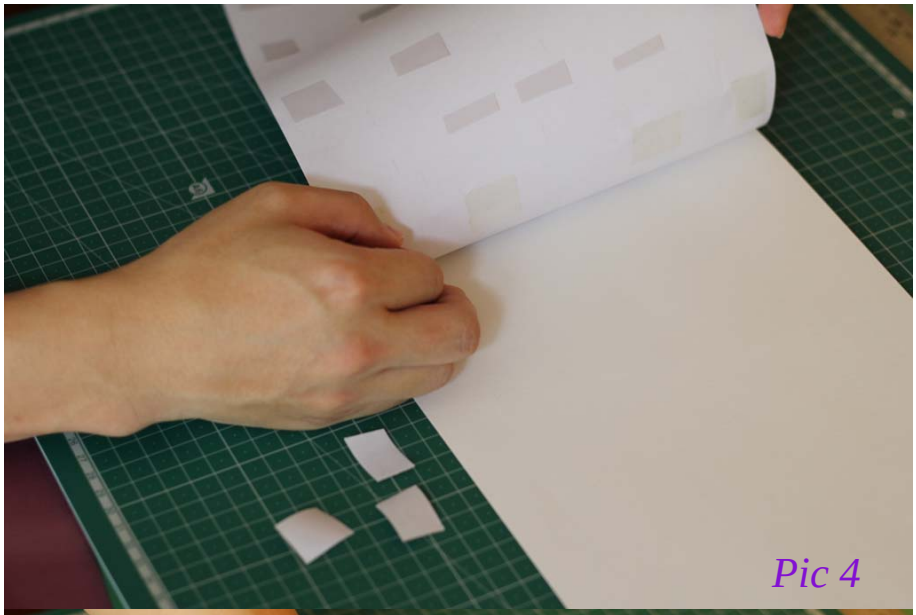


✧ Press to adhere it firm.

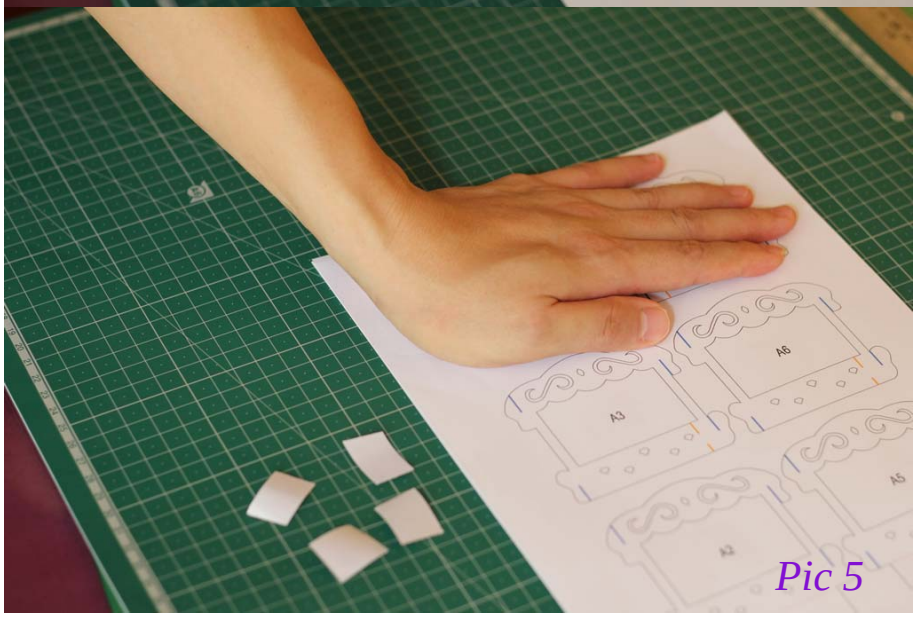


Pic 3

✧ Rotate the card paper by 180^{o}, then fix the rest of the areas gradually.



Pic 4



Pic 5

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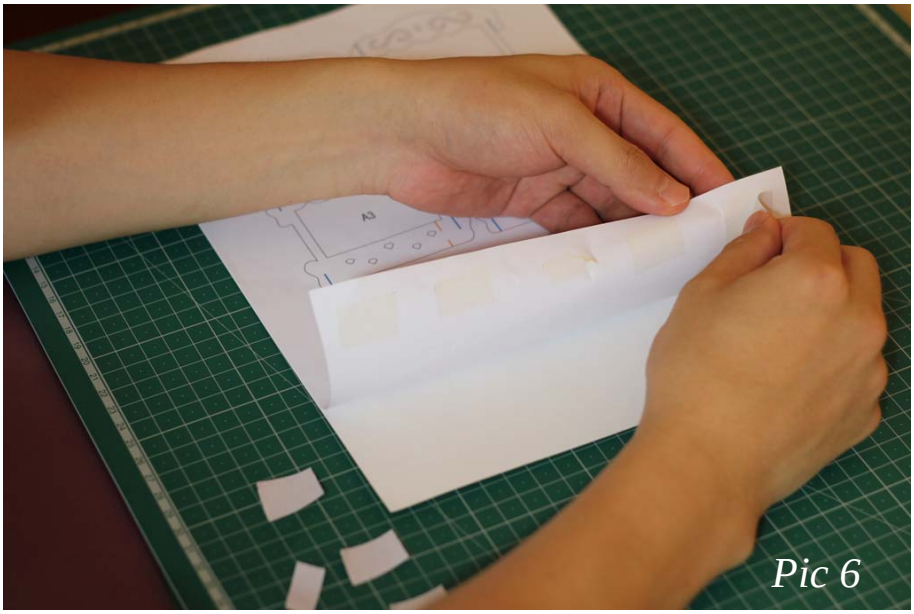
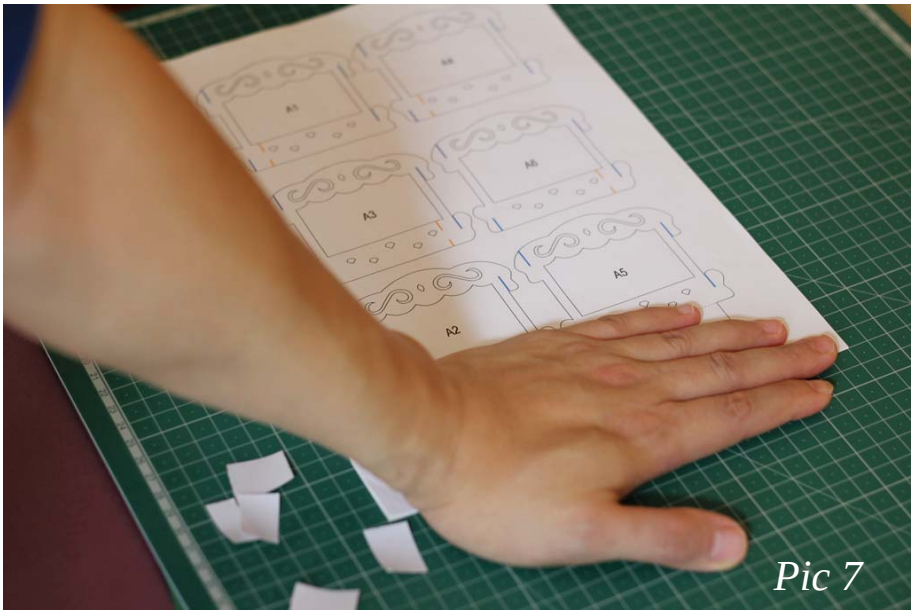


Pic 6



Pic 7

2. CUTTING

Legends

Black cut-line

Mountain flow-line

Valley flow-line

Main flow-line

✧ Except for the main flow-line and valley flow-lines, cuts must be applied on the front sides.

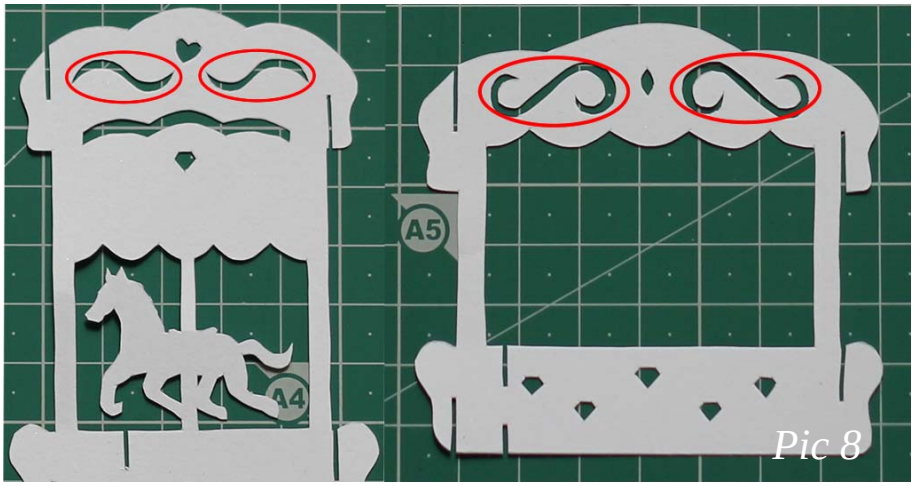
✧ First, handle the color cutouts, then handle the rest of the cutouts.
(Hints: You can skip several cutouts when you find the cutting work difficult.) (*See Pic 8*)

✧ **Half-cut** the mountain flow-lines of Part A2 & A5 on the front side of the p1 paper printout.

OR

Half-cut the main flow-line and valley flow-lines of Part A2 & A5 on the back side of the p6 card.

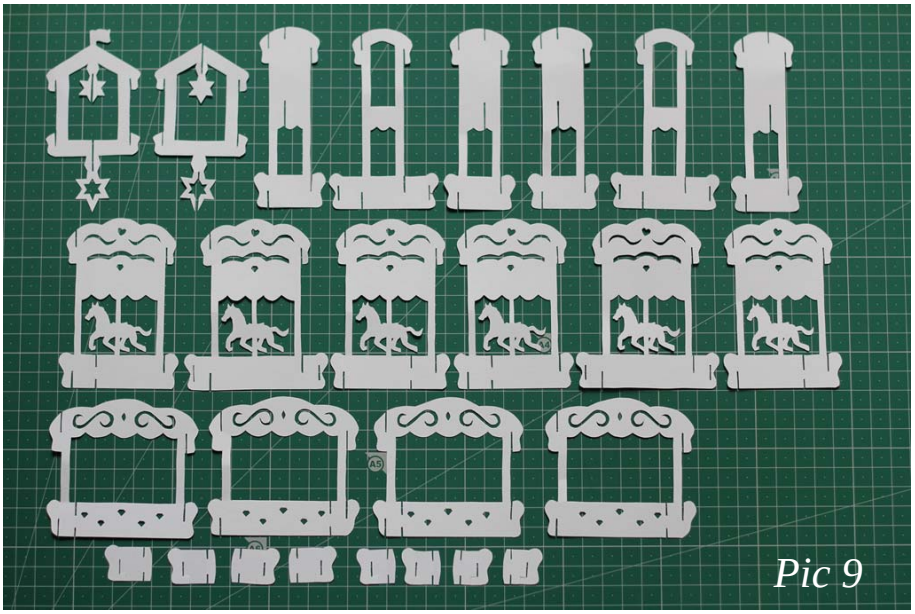
✧ Finally finish the black cut-lines.



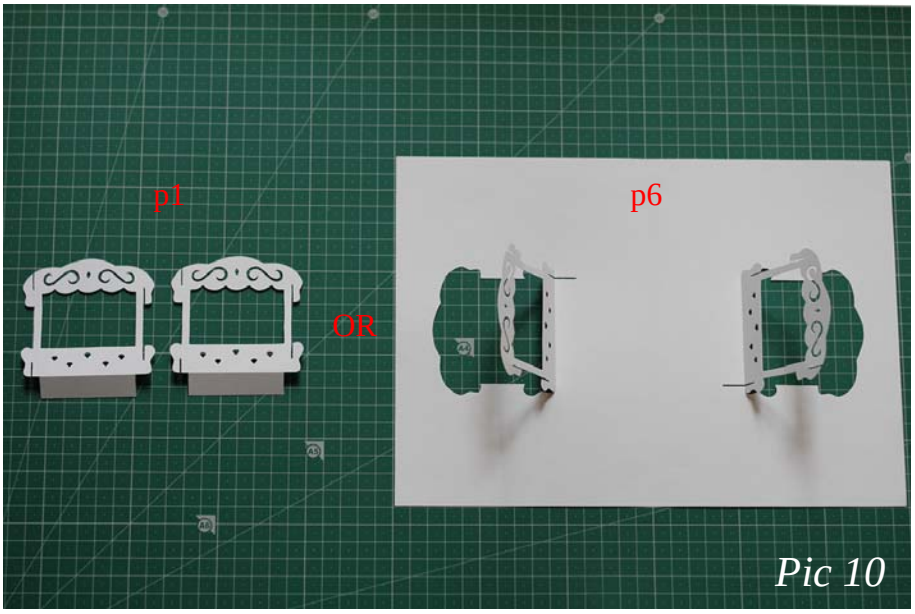
Pic 8

PARTS:

A(1 – 6), B(1 – 6), C(1 -6), D1, D2, E × 4, F × 4



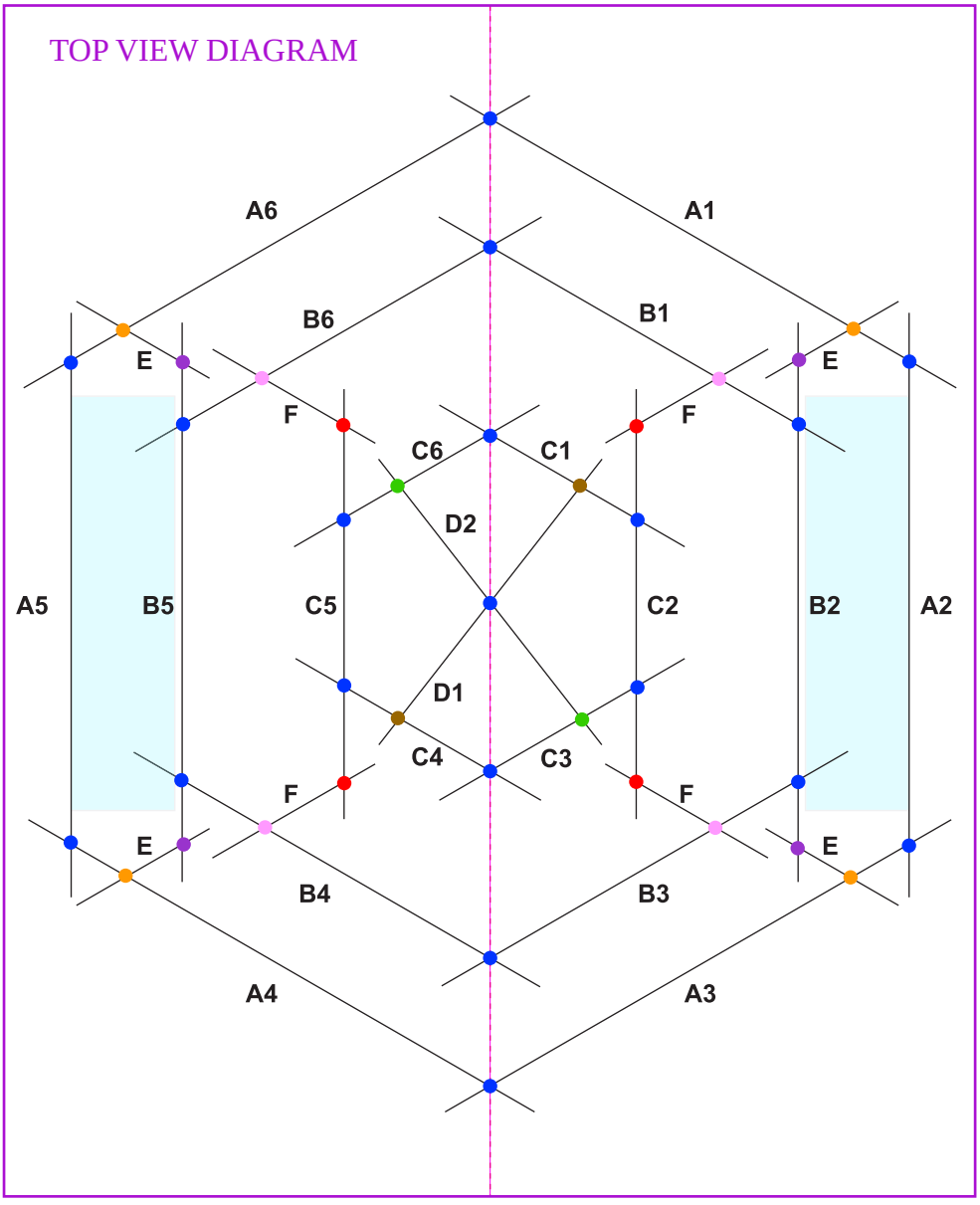
Pic 9



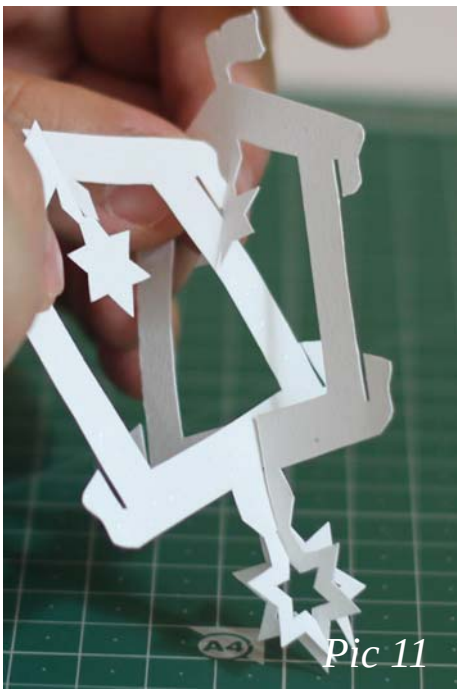
Pic 10

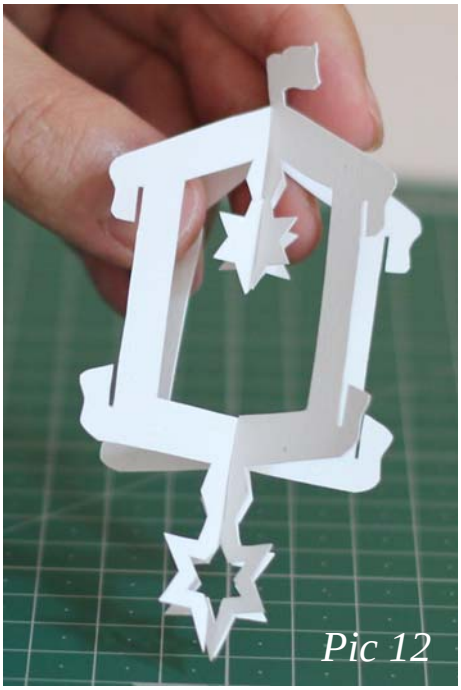
3. CONSTRUCTION

✧ For all of the steps for interlocking, please refer to “TOP VIEW DIAGRAM”.

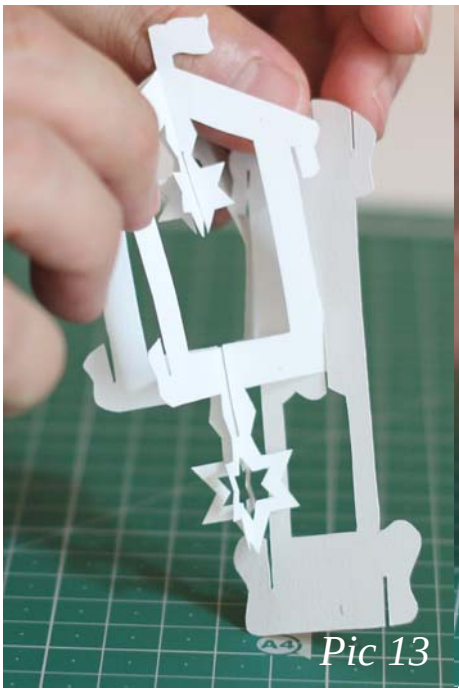


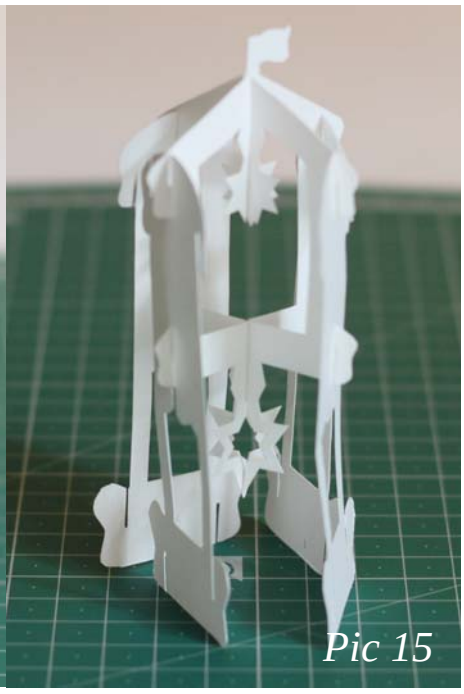
Step 1: Order of interlocking: D1 - D2 (*See Pic 11 - 12*)





Step 2: Order of interlocking: D1 - C1, D1 - C4, D2 - C3, D2 - D6 (*See Pic 13 - 15*)





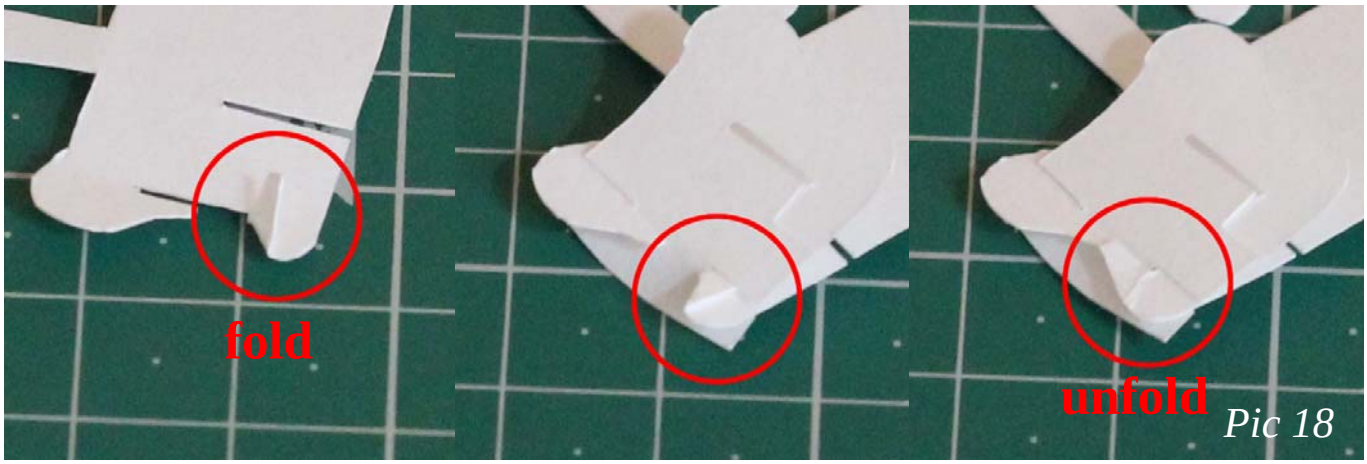
Step 3: Order of interlocking: C1 - C2, C2 - C3, C4 - C5, C5 - C6, C1 - C6, C3 - C4 (*See Pic 16 - 17*)

Pic 16

Pic 17

Step 4: Order of interlocking: C2 - F, C2 - F, C5 - F, C5 - F (*See Pic 18 - 19*)

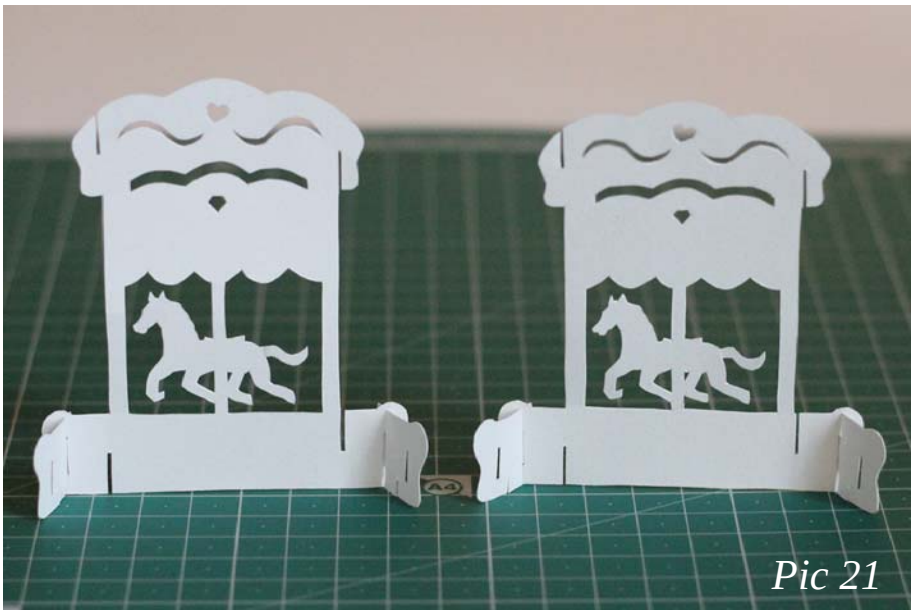
(Remarks: Joining part C with Part F or Part B with Part E could be very difficult. You are advised to fold Part C and Part B beforehand and unfold them afterward. *See Pic 18*)



Pic 18

Step 5: Order of interlocking: B1 - F, B3 - F, B4 - F, B6 - F (*See Pic 20*)

Step 6: Order of interlocking: B2 - E, B2 - E, B5 - E, B5 - E (*See Pic 18 & Pic 21*)


Pic 21

Step 7: Order of interlocking: B1 - B2, B2 - B3, B4 - B5, B5 - B6, B1 - B6, B3 - B4 (*See Pic 22*)

Pic 22

Step 8: Order of interlocking: A1 - E, A3 - E, A4 - E, A6 - E, A1 - A6, A3 - A4 (*See Pic 23*)

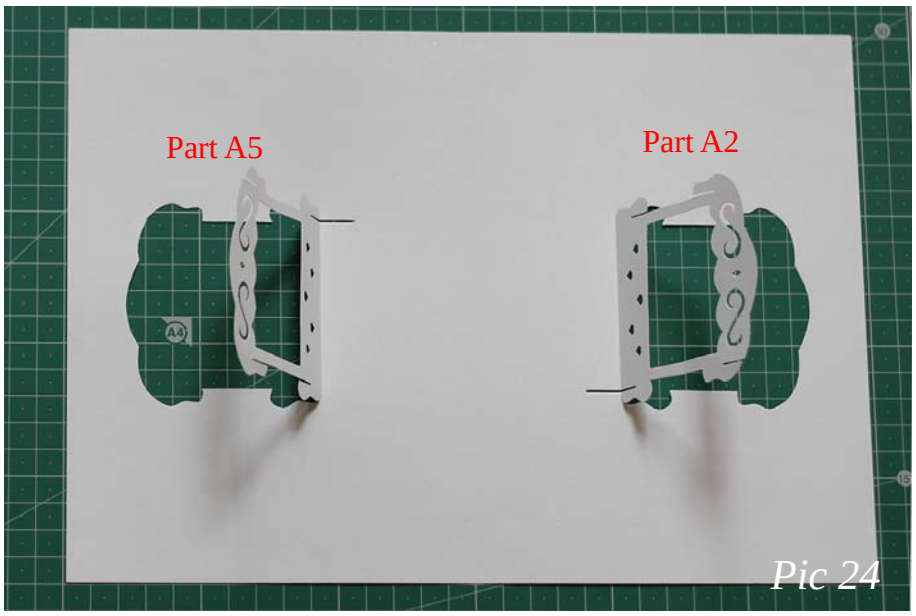
Pic 23

Go to Step 9 or Step 10

Step 9: (Version without glue and tapes)

✧ Use Part A2 and Part A5 in p6.

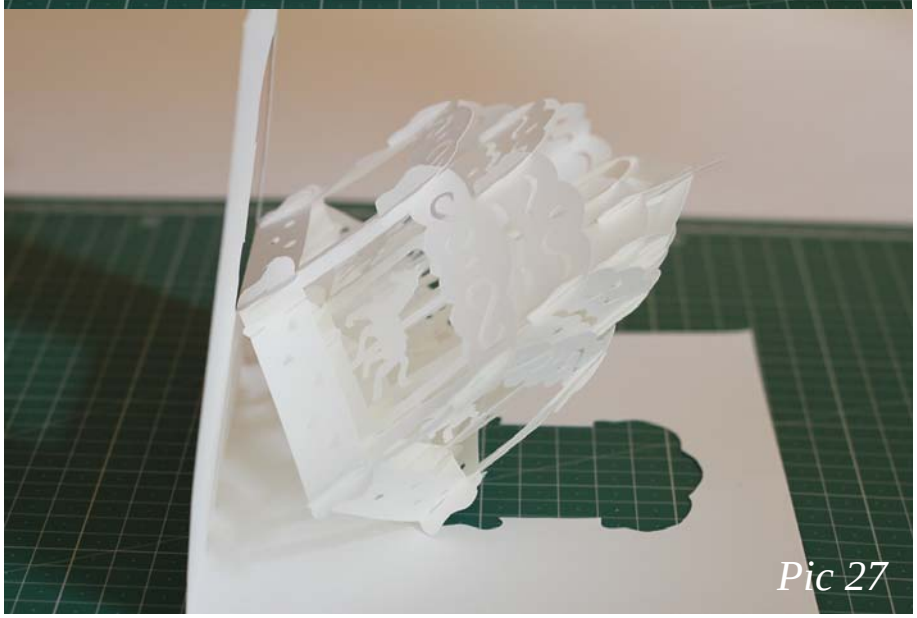
Order of interlocking: A2 - A3, A5 - A6, A1 - A2, A4 - A5 (*See Pic 24 - 30*)



Pic 24

Pic 25

Pic 26



Pic 27

Pic 28

Pic 29

Pic 30

End

Step 10:

✧ Use Part A2 and Part A5 in p1.

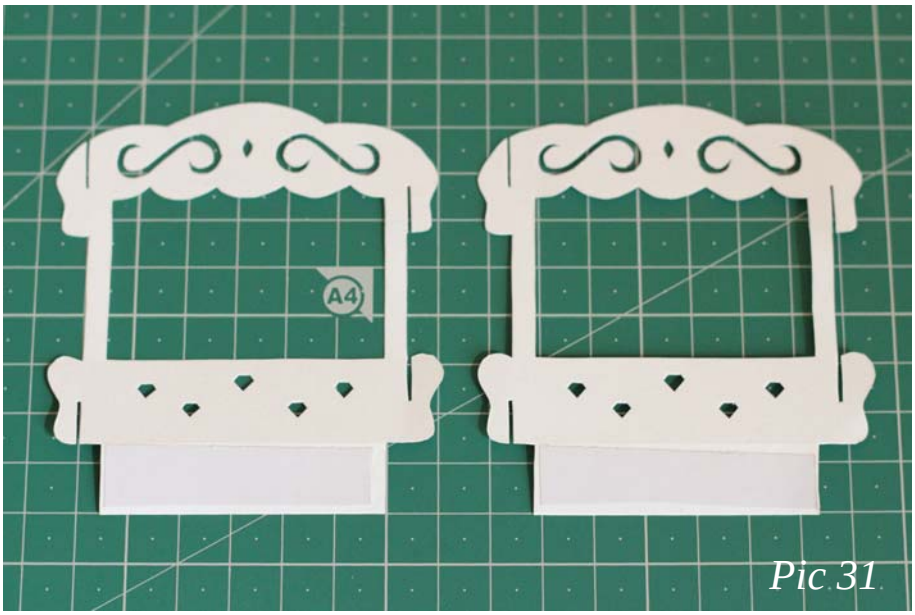
✧ Prepare a paper base.

✧ Create a valley fold by half-cutting on the back side of the paper base.

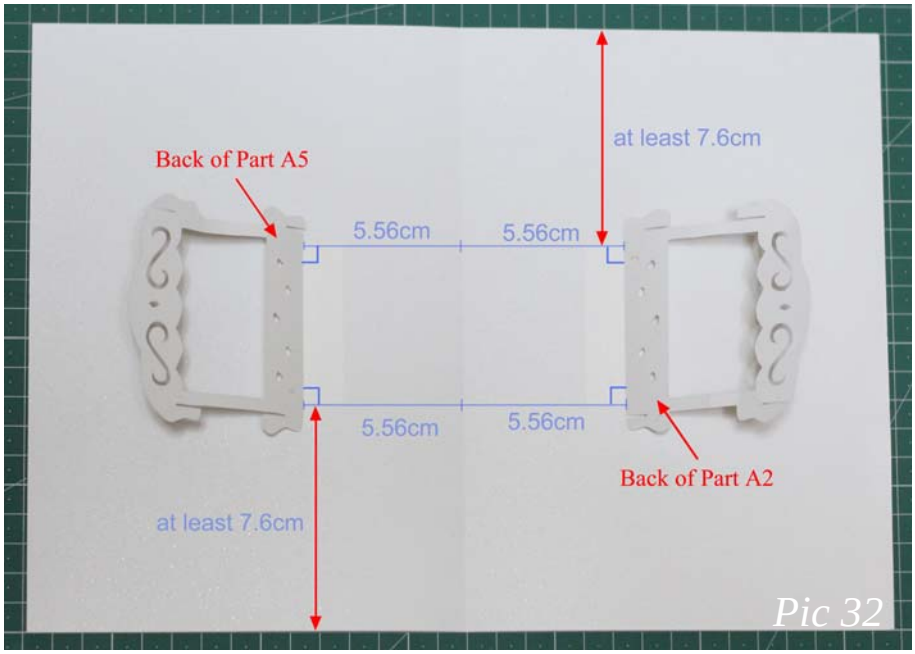
✧ Apply some double-sided tapes or glue to attach Part A2 and Part A5 onto the paper base. (*See Pic 31 - 35*)

(Remarks: See p5 for reference.)

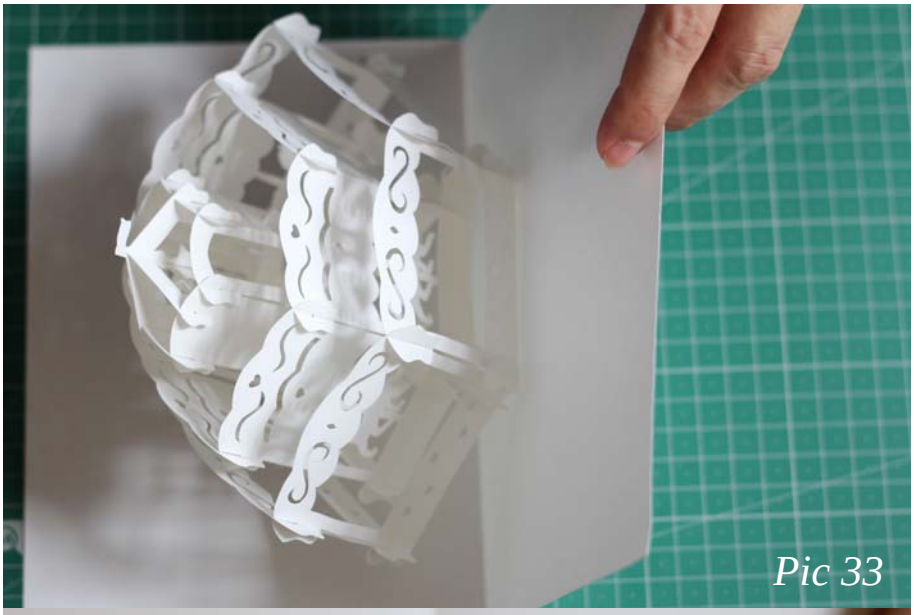
Order of interlocking: A2 - A3, A5 - A6, A1 - A2, A4 - A5



Pic 31



Pic 32

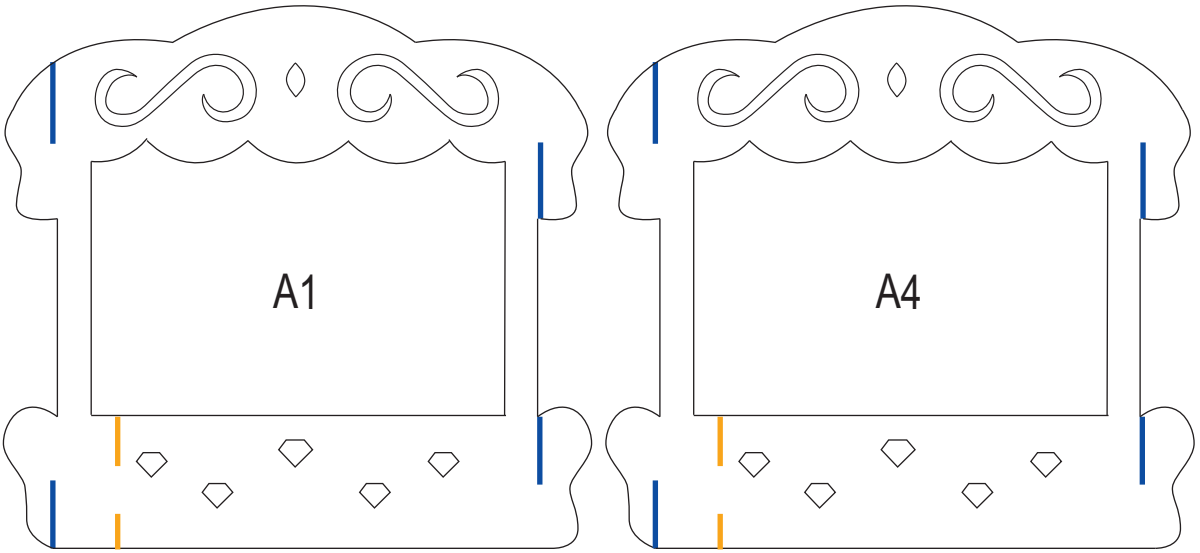


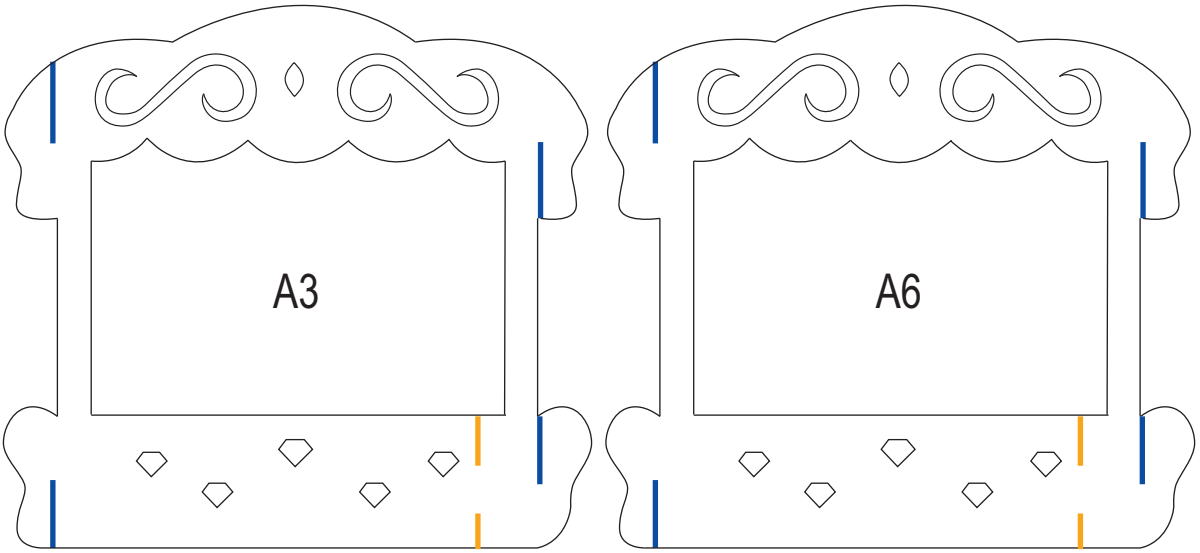
Pic 33

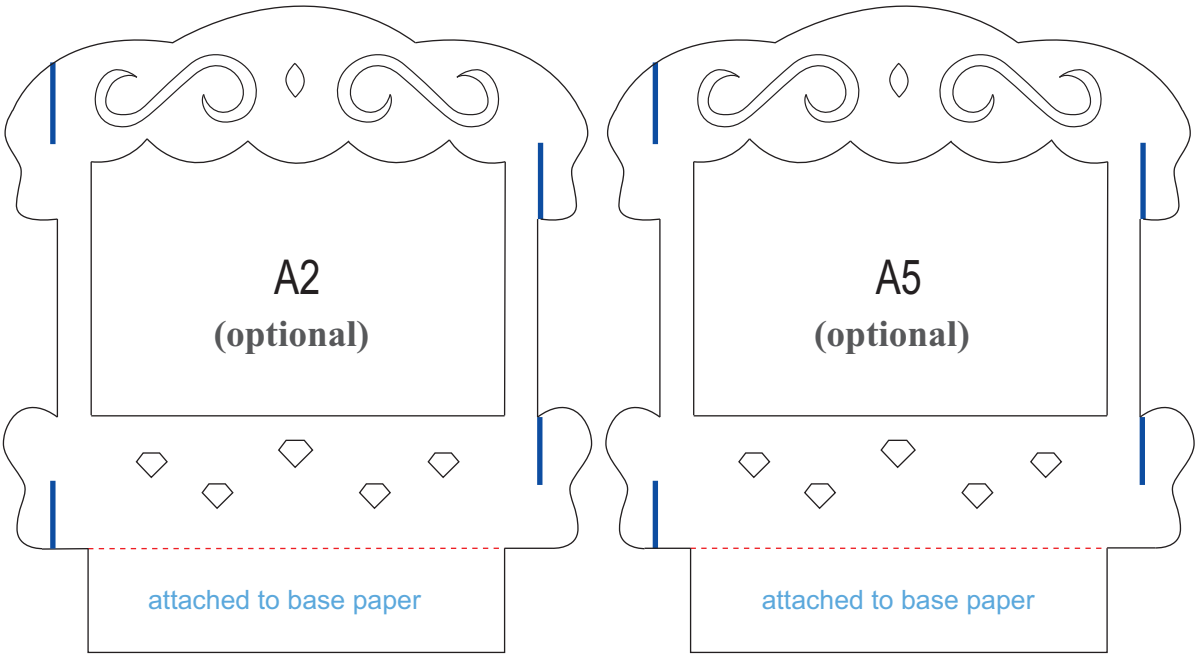
Pic 34

Pic 35

End







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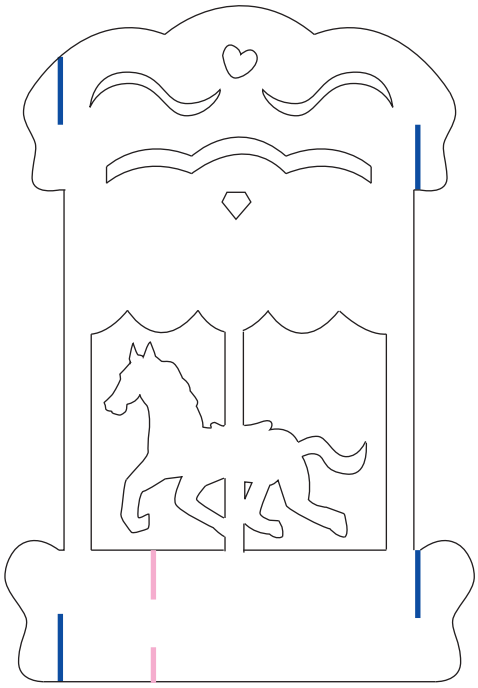
B1



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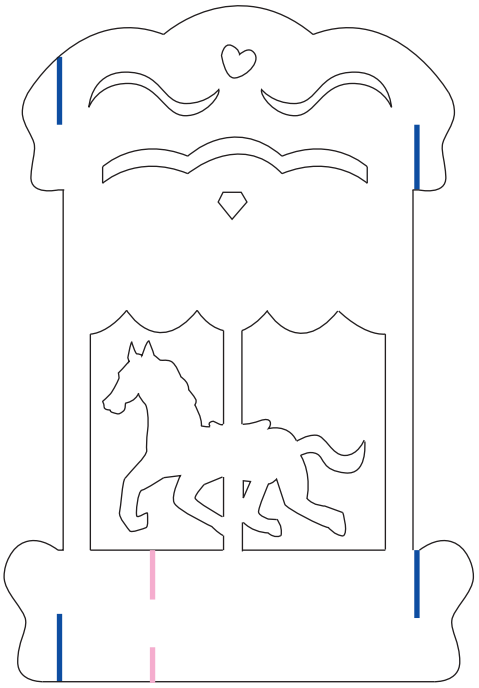

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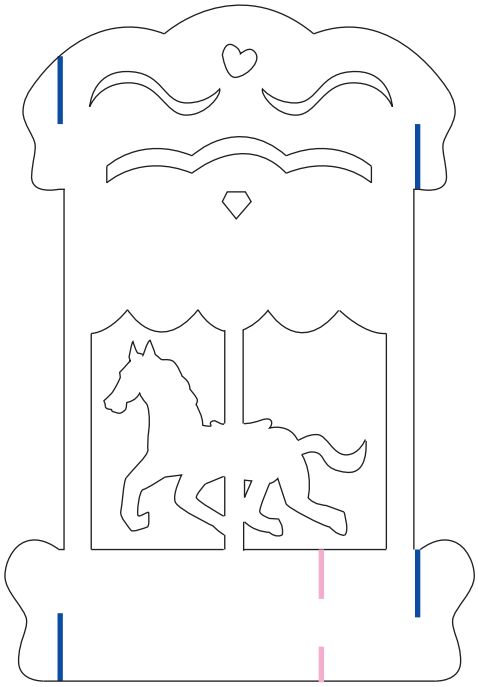

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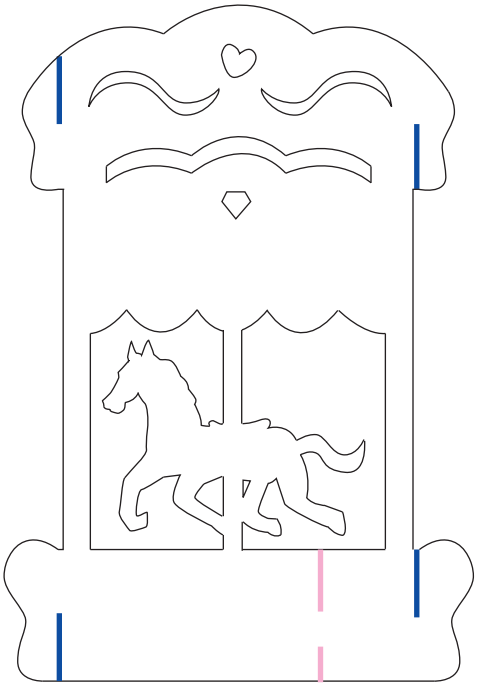

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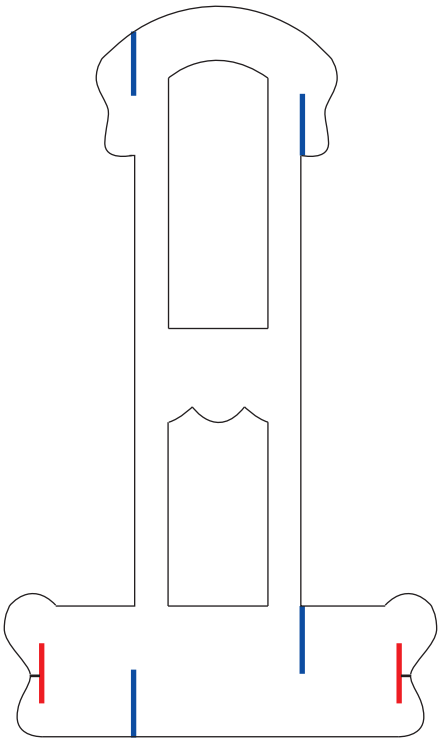
C2



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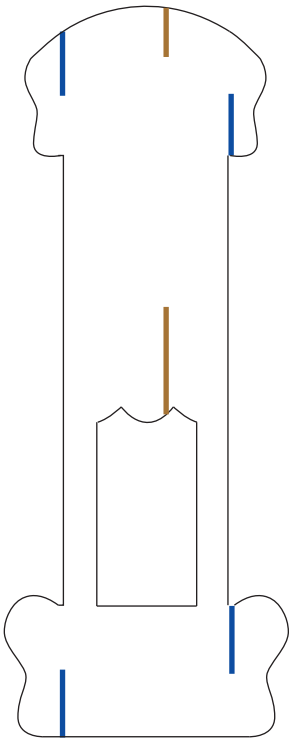

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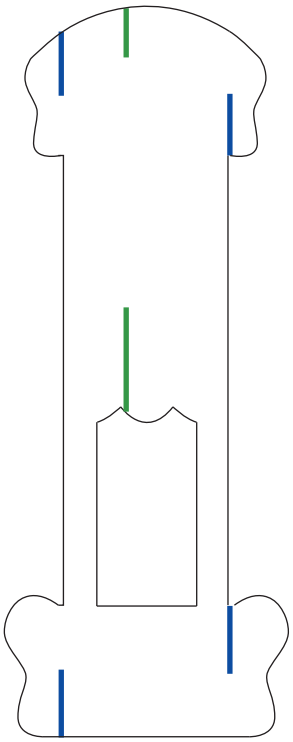

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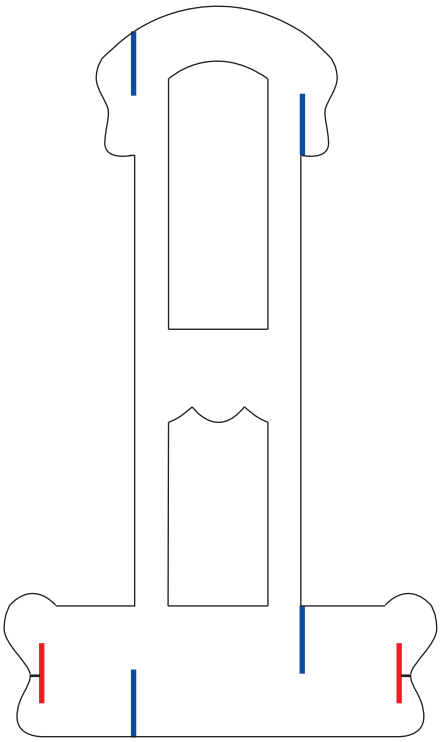
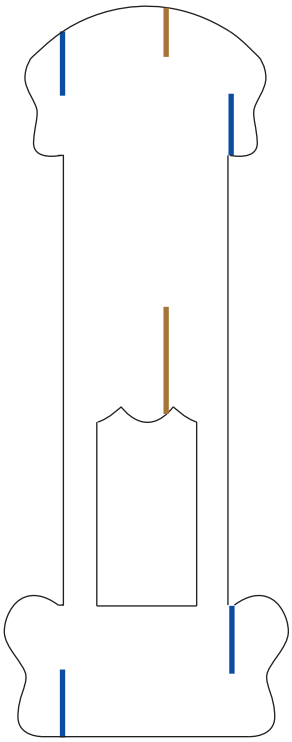


C6



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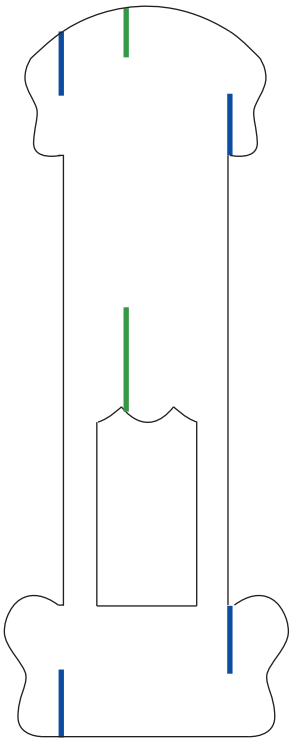

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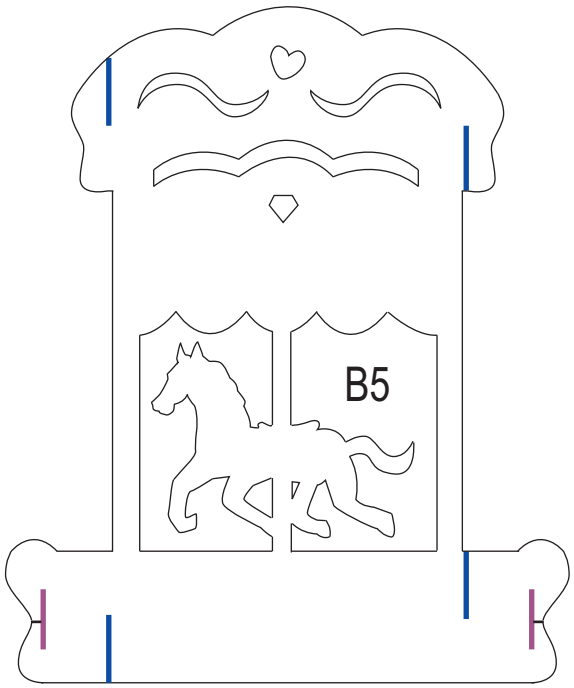

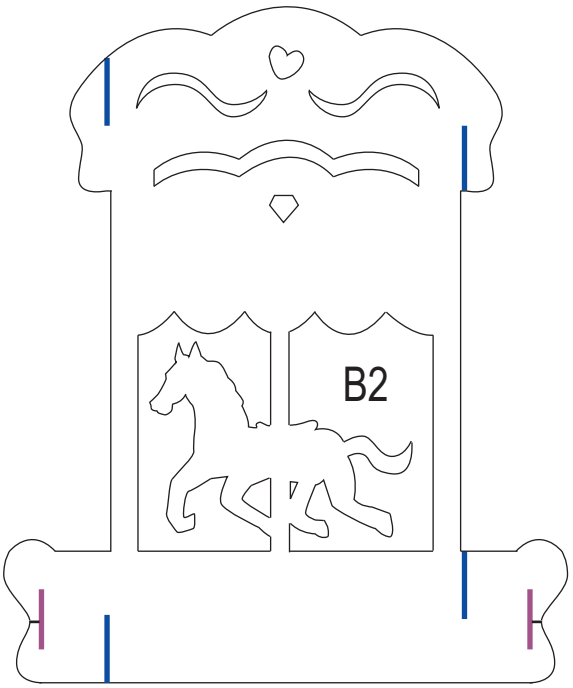

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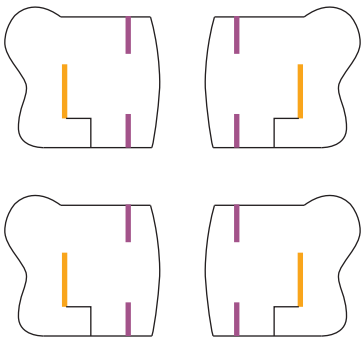

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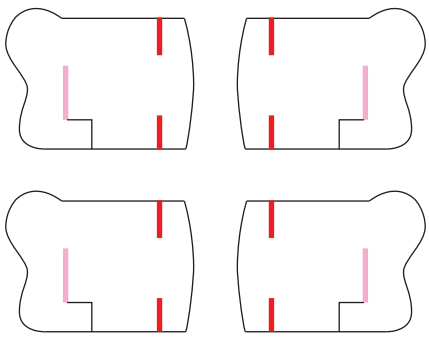

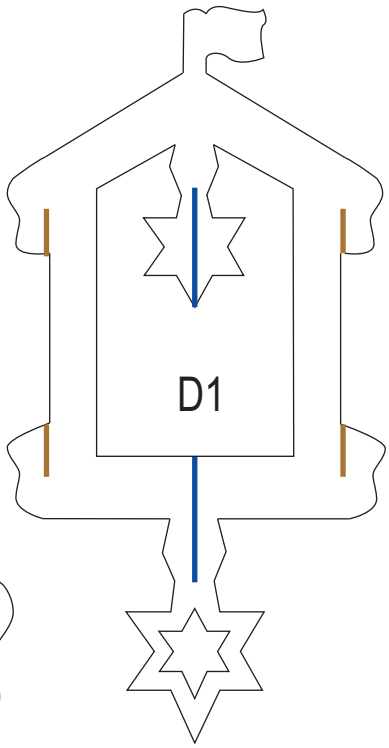

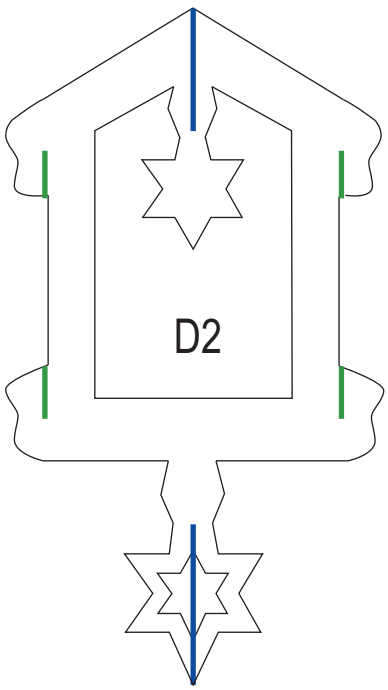

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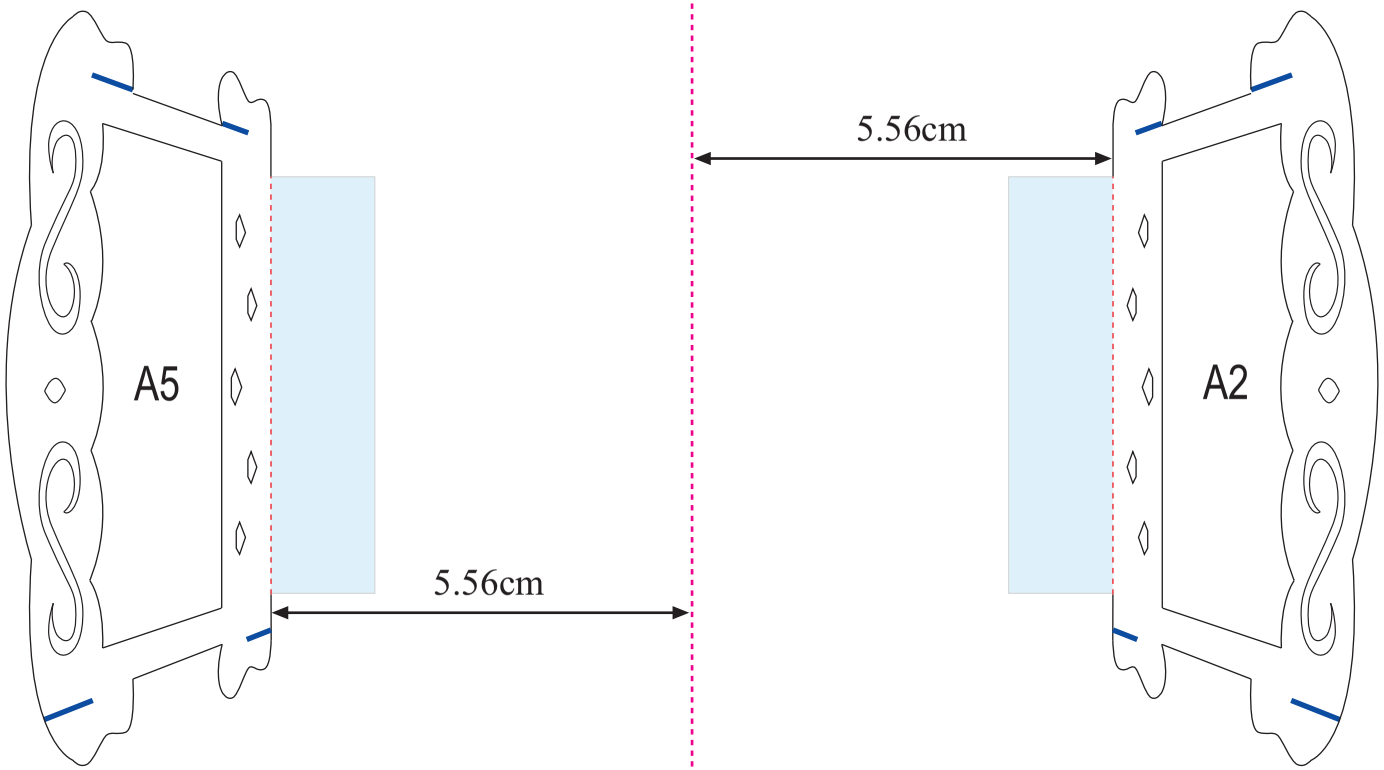

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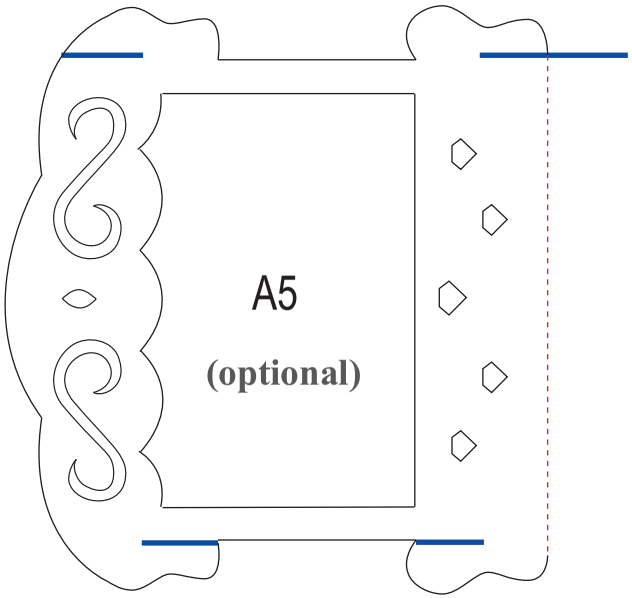

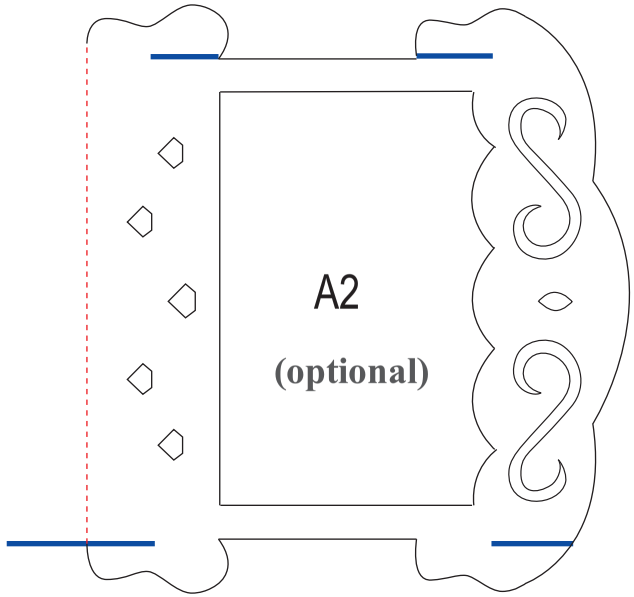

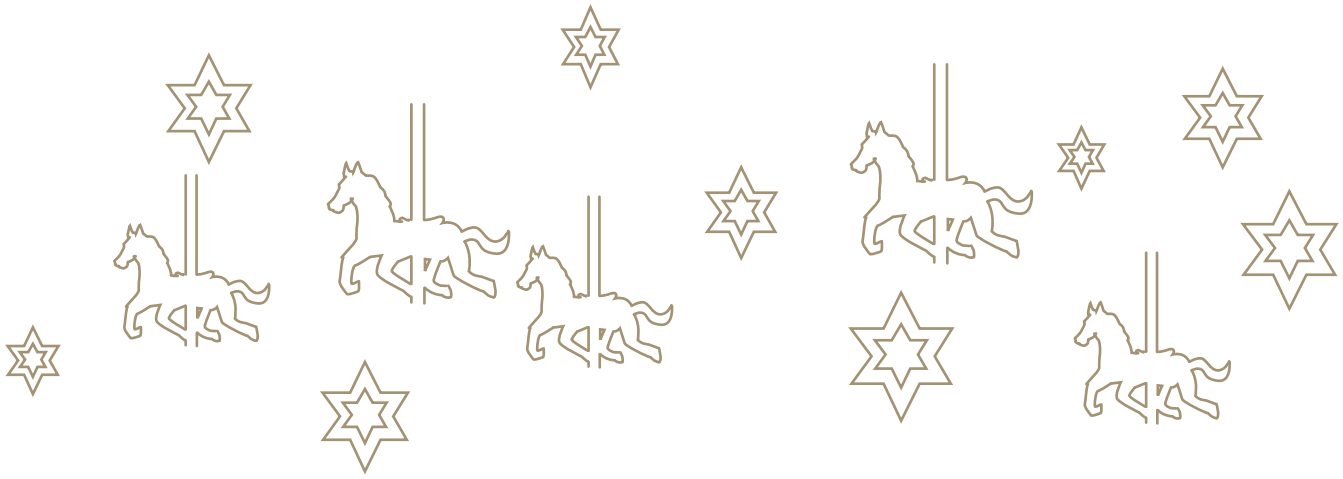

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