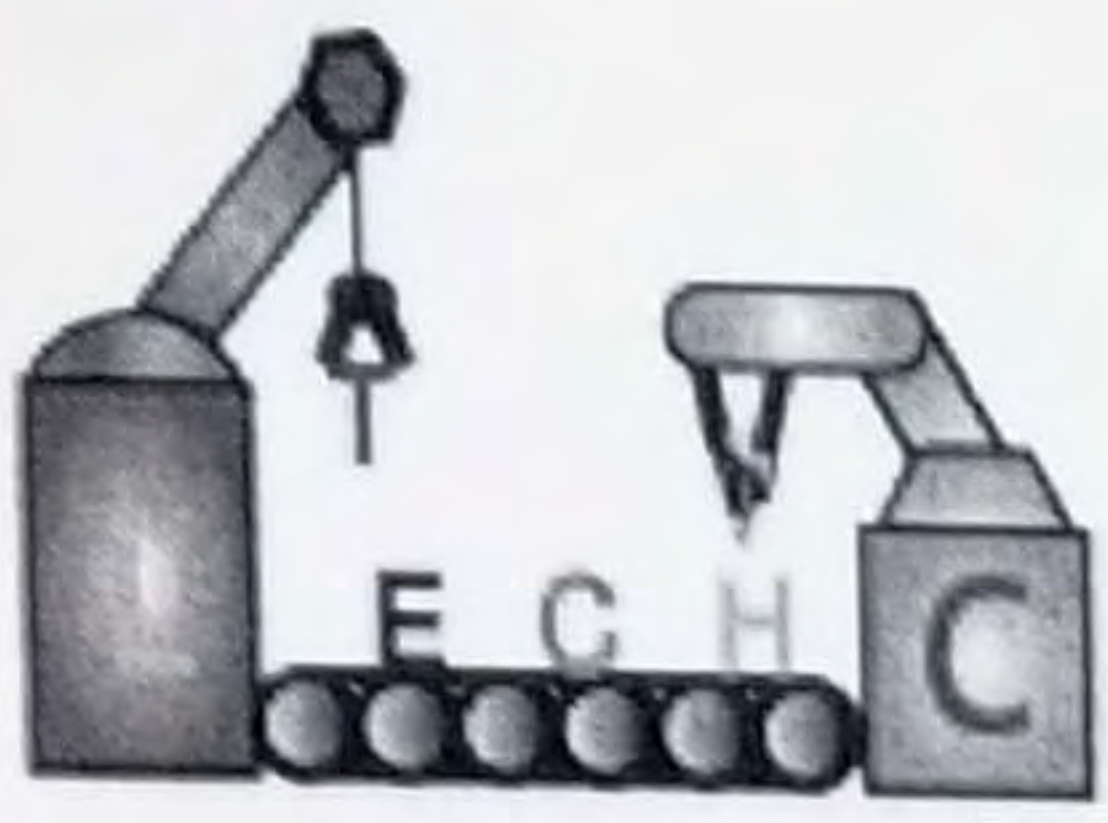
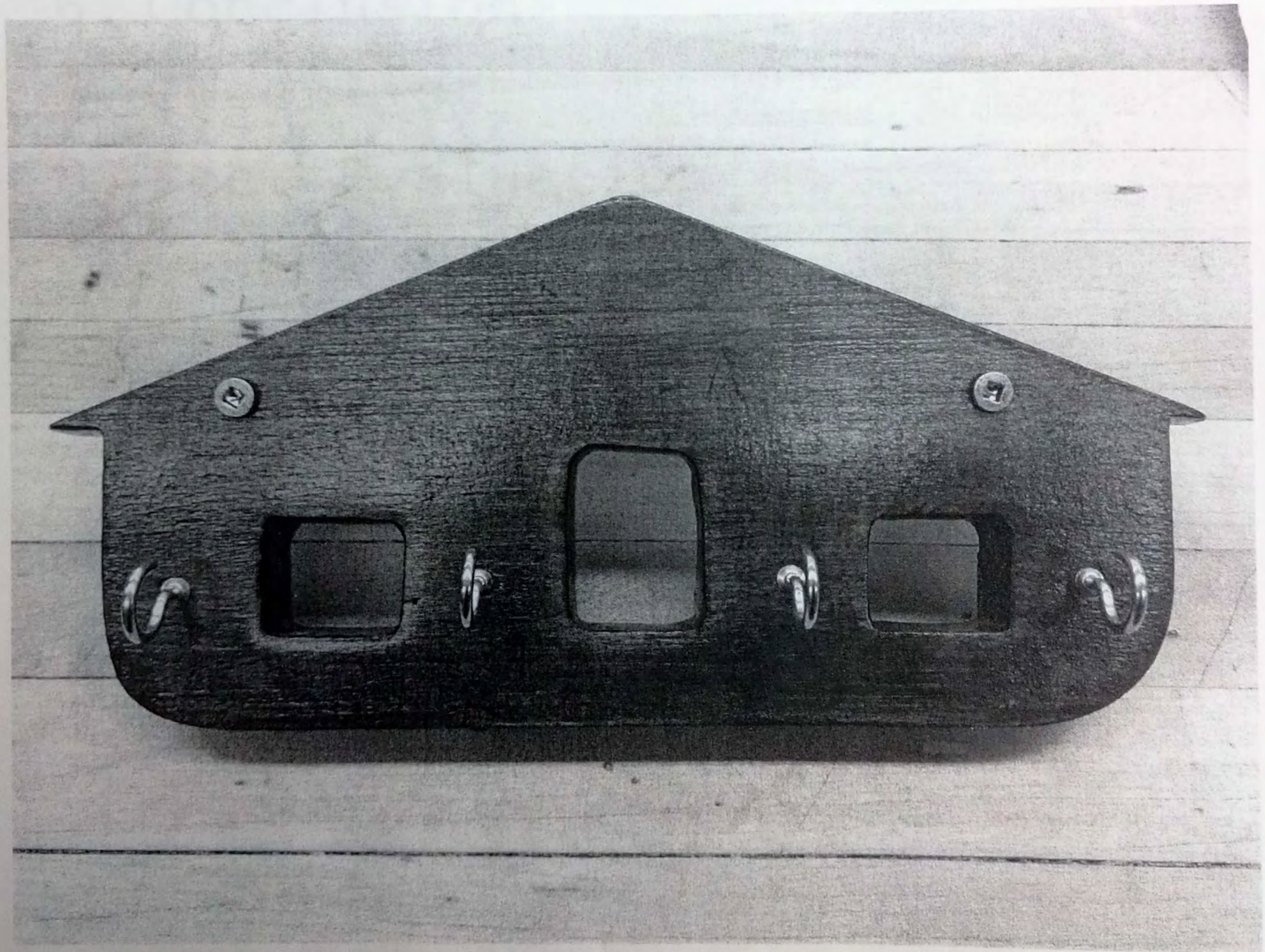
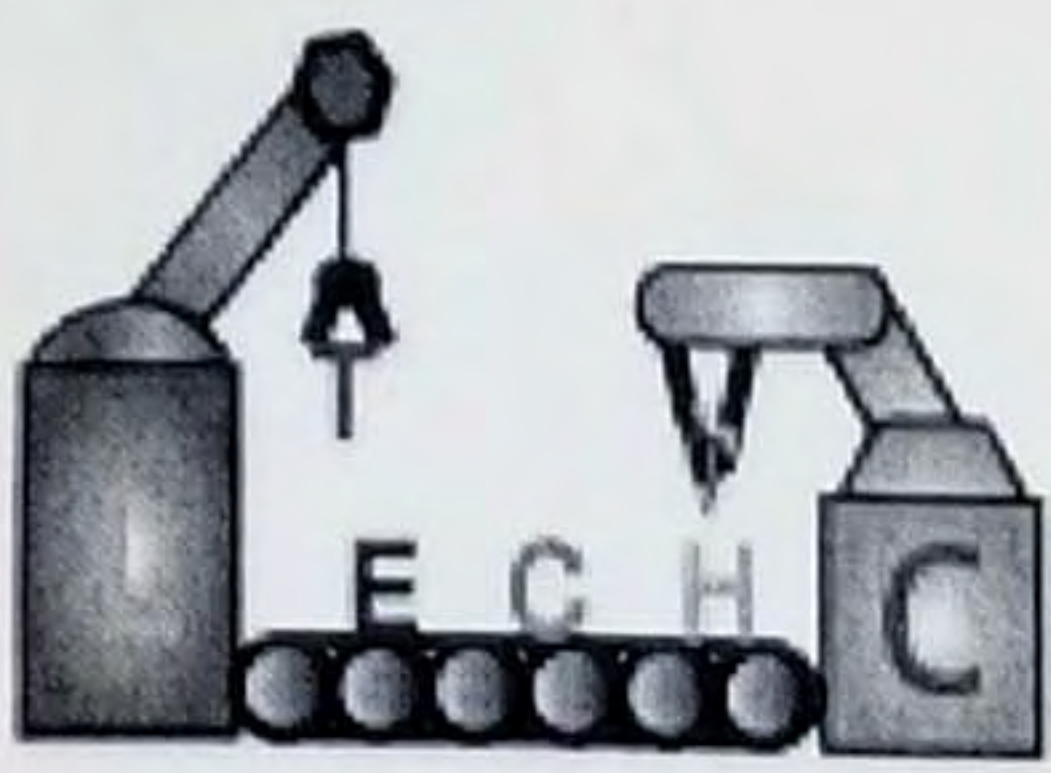




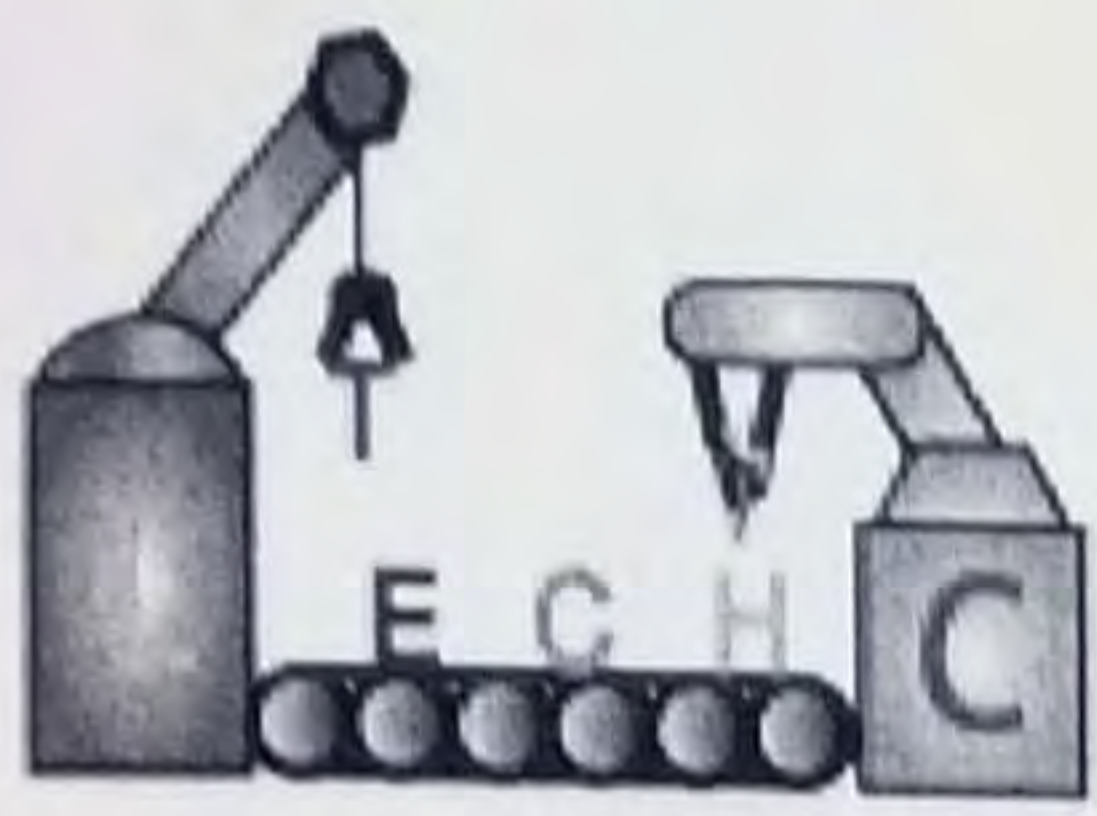
Key Holder Project

By: *[Name]*





1. SPICE
2. Five Thumbnails
3. Keyholder Orthographic
4. Keyholder Oblique
5. Keyholder Oblique 2.0
6. Conclusion
7. Checklist
8. Peer Evaluation



Process or Steps (SPICE):

Situation: Every day you come home and your keys get misplaced.
(Keys go missing- Unorganized)

Problem/Challenge: You have to make a key holder with at least minimum of at least 5 wide round cut corners, minimum of at least 5 sharp inside or outside corners at any angle, at least one big non-circular hole, hint you will need to drill two holes close a length of 20 to 26 cm, a minimum thickness of 9mm and minimum width of 2 cm width everywhere (keep in mind placement of hole and shape features), installed 4-6 key holder hooks with some method of mounting to wall, a smooth finish with no real sharp edges and corners, finished and coated by brush to seal and protect the wood on front and sides, your name permanently on the back of key holder, 20mm Gothic font style.

Investigation/Ideas: Some ideas I had were a key, a house, and a car. I chose these designs because they were all "key" related items, and they were fairly easy to cut and design.

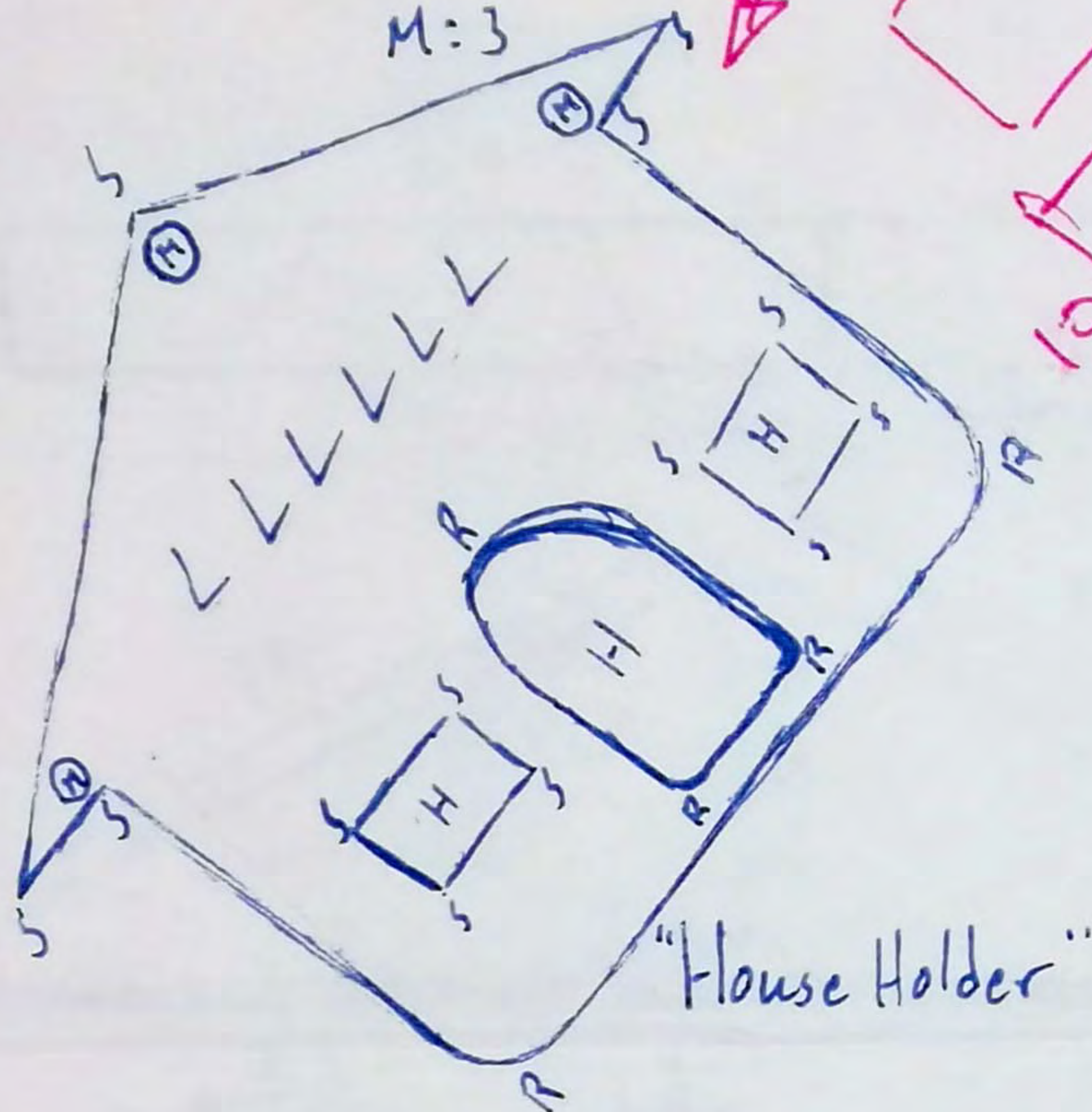
Create/Construct: First I designed 5 thumbnail designs for the key holder. Next I picked one of the designs and made an isometric sketch of it, and then I made an oblique version at full size with colour. Then I used carbon paper to transfer my design to the wood. After that I cut it out then sanded down the edges as well as drill mounting holes. And lastly I put a stain coat on the wood, and then I sanded that lightly in order to put a second coat of stain and three more coats of varathane. After words I drilled holes in the wood for hooks to hang the keys.

Evaluation: In the end my key holder met all the requirements fairly well I had five round corners, five sharp, and a noncircular hole, but I may have sanded it too much, so it was smaller than the original design.

Great!

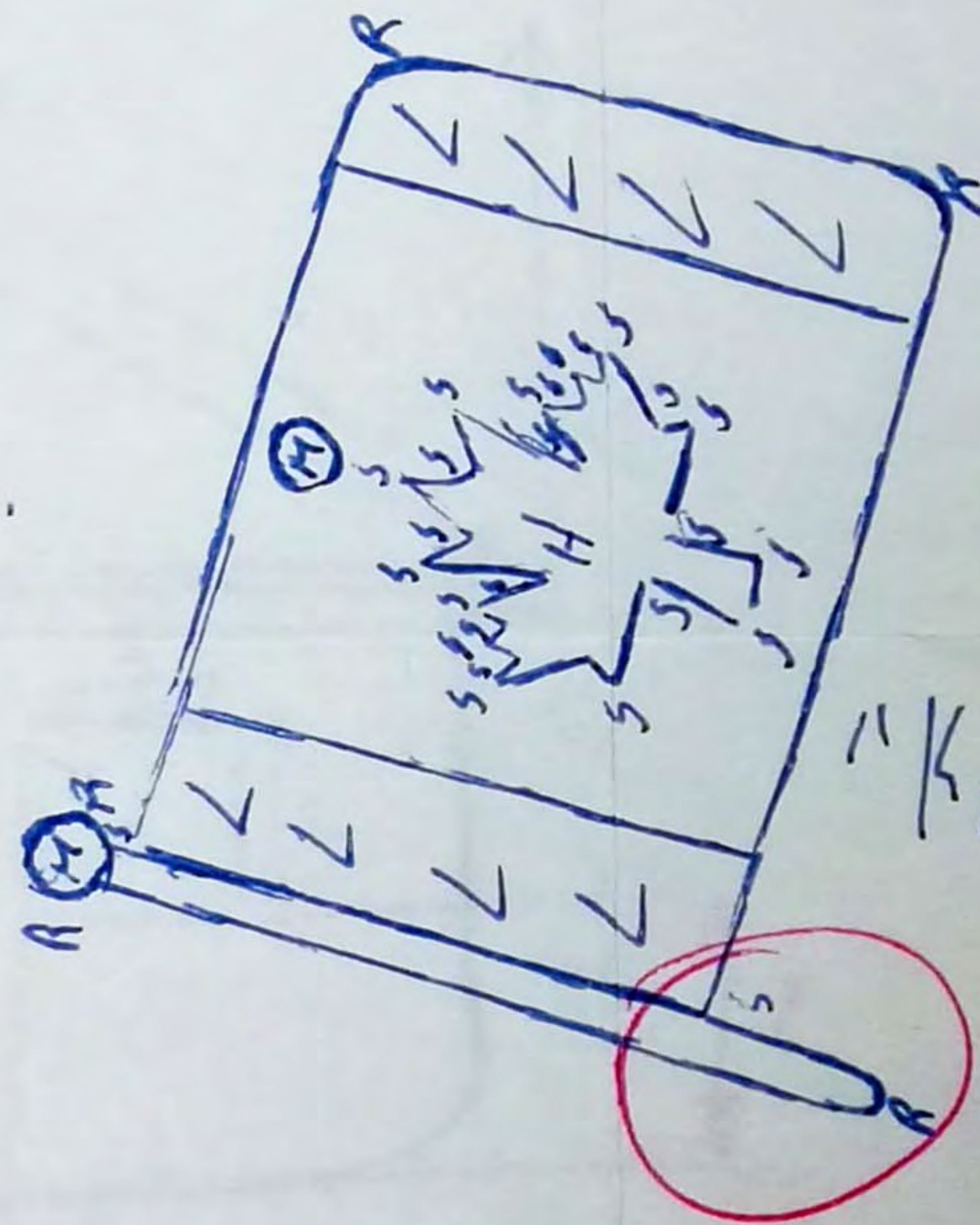
Key Holder Designs

S: 13
R: 5
H: 3
L: 6
M: 3



"House Holder"

M: 2
L: 8
R: 5
L: 8
H: 1
S: 28



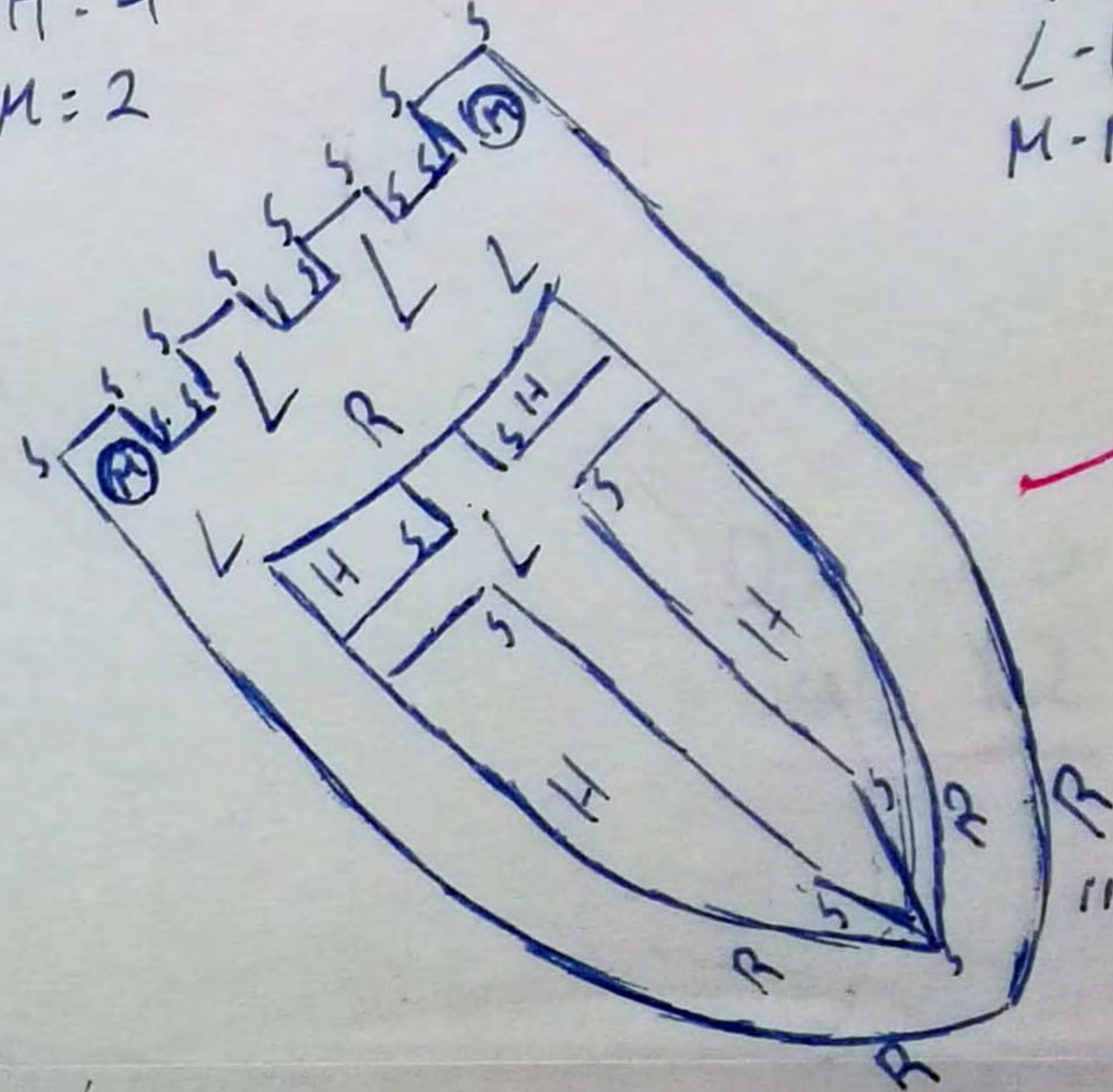
"Key-nadian"

S: 21
R: 5
L: 5
H: 4
M: 2

Pencil!

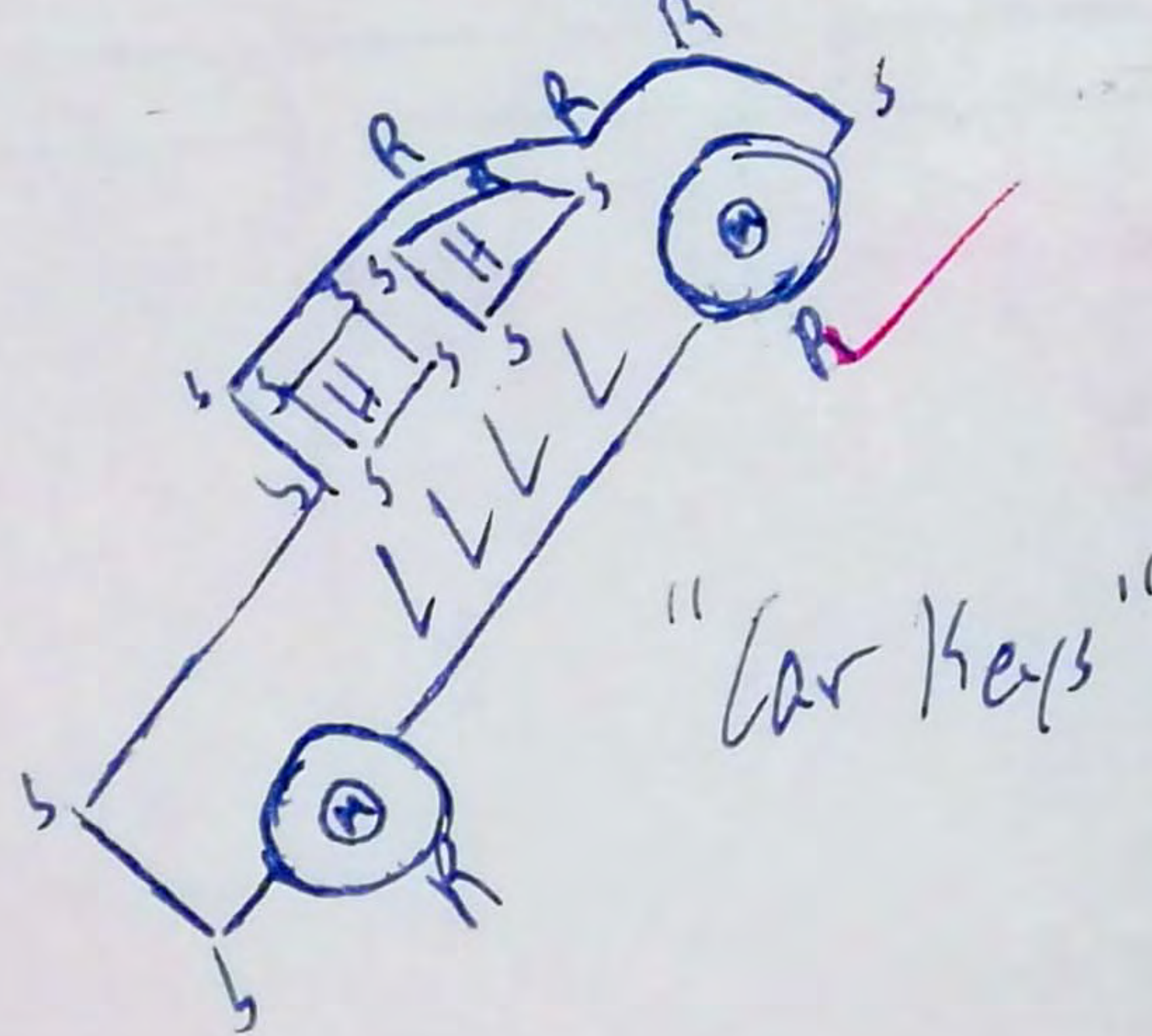
8/10

H - Hole
S - Sharp
R - Round
L - Hook
M - Mount



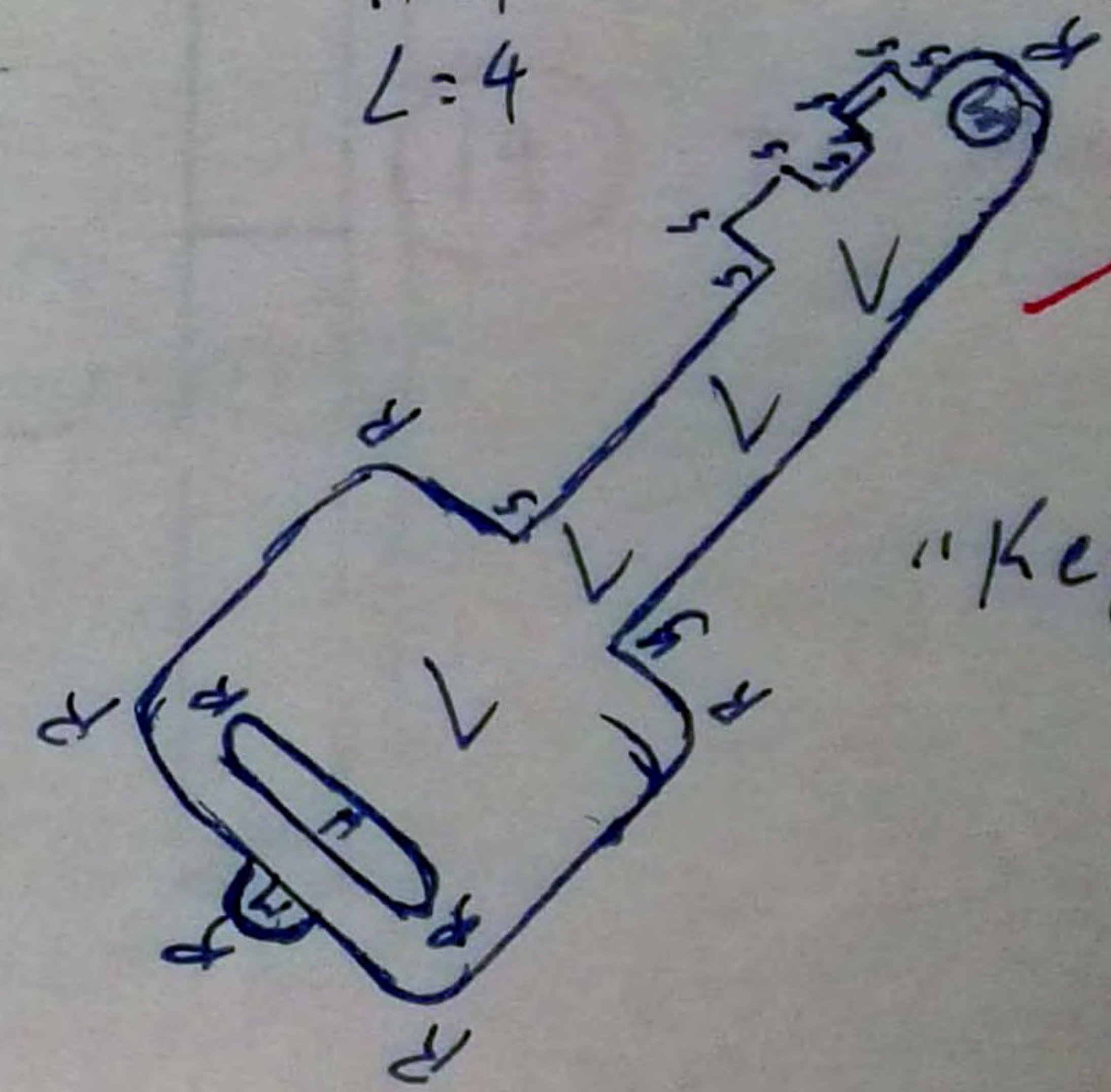
"Key Protector"

S: 12
H: 2
R: 6
L: 4
M: 2



"Car Keys"

S: 10
R: 8
M: 2
H: 1
L: 4



"Key'ception"

WHICH ONE?

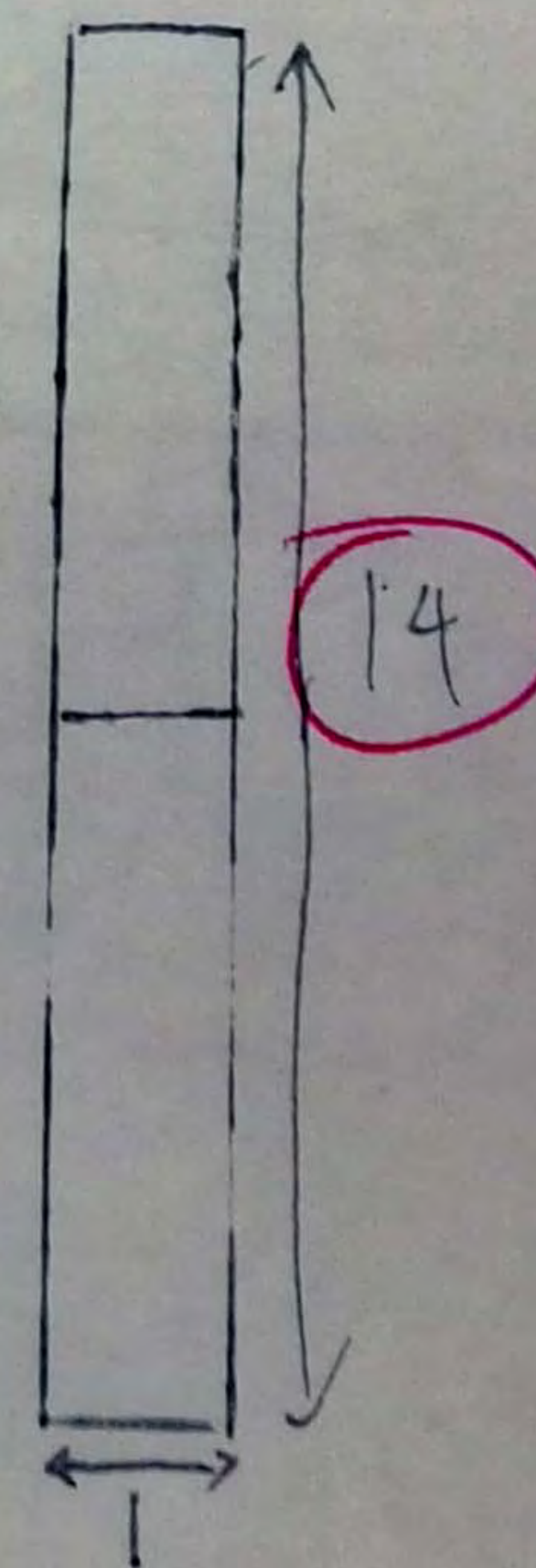
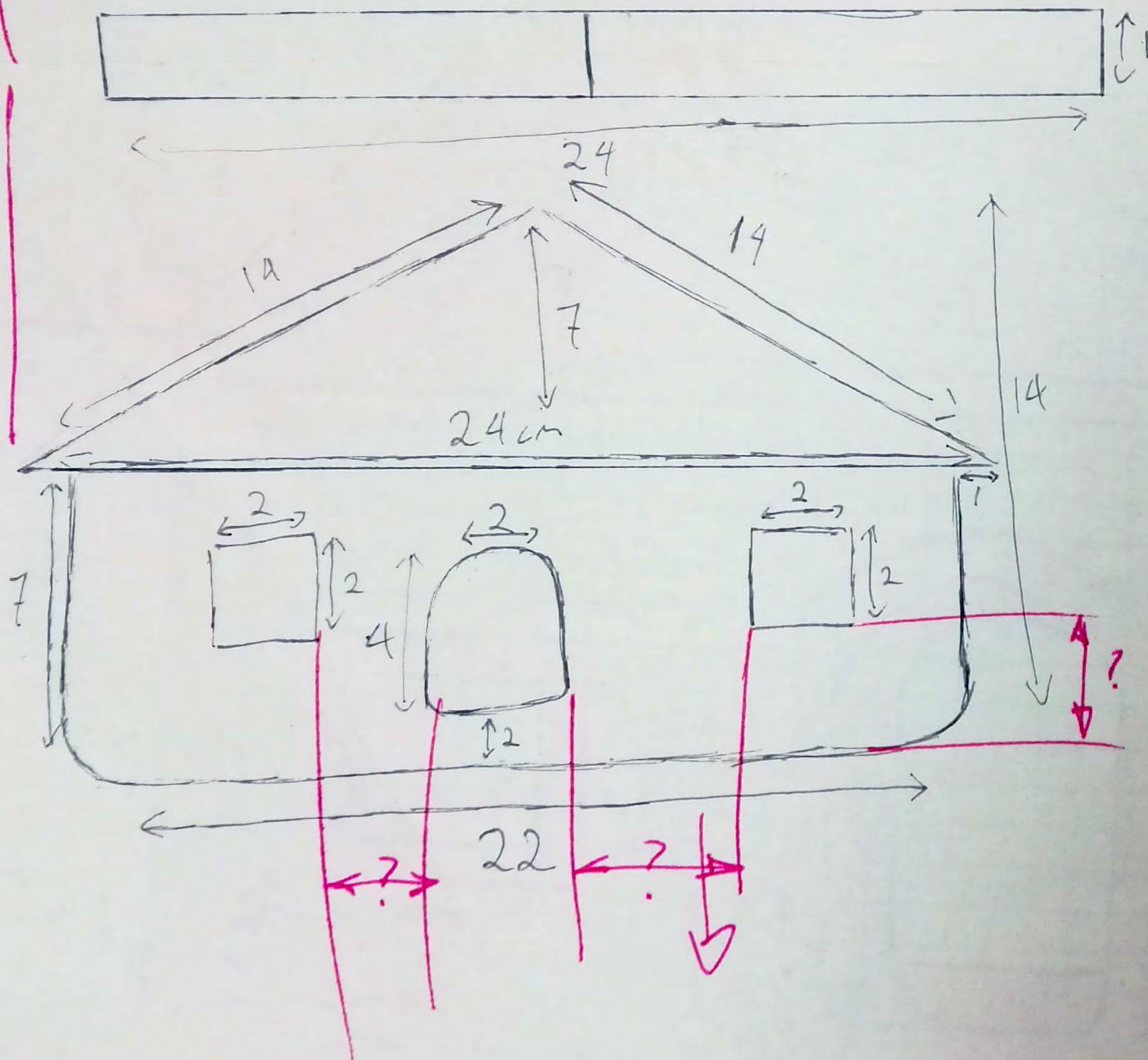
Key Holder
Ortho

Not Allowed!

- ORTHO SPACING
- EXTENSION LINES

$\frac{7}{10}$

Dim. in cm
Scale 1:2



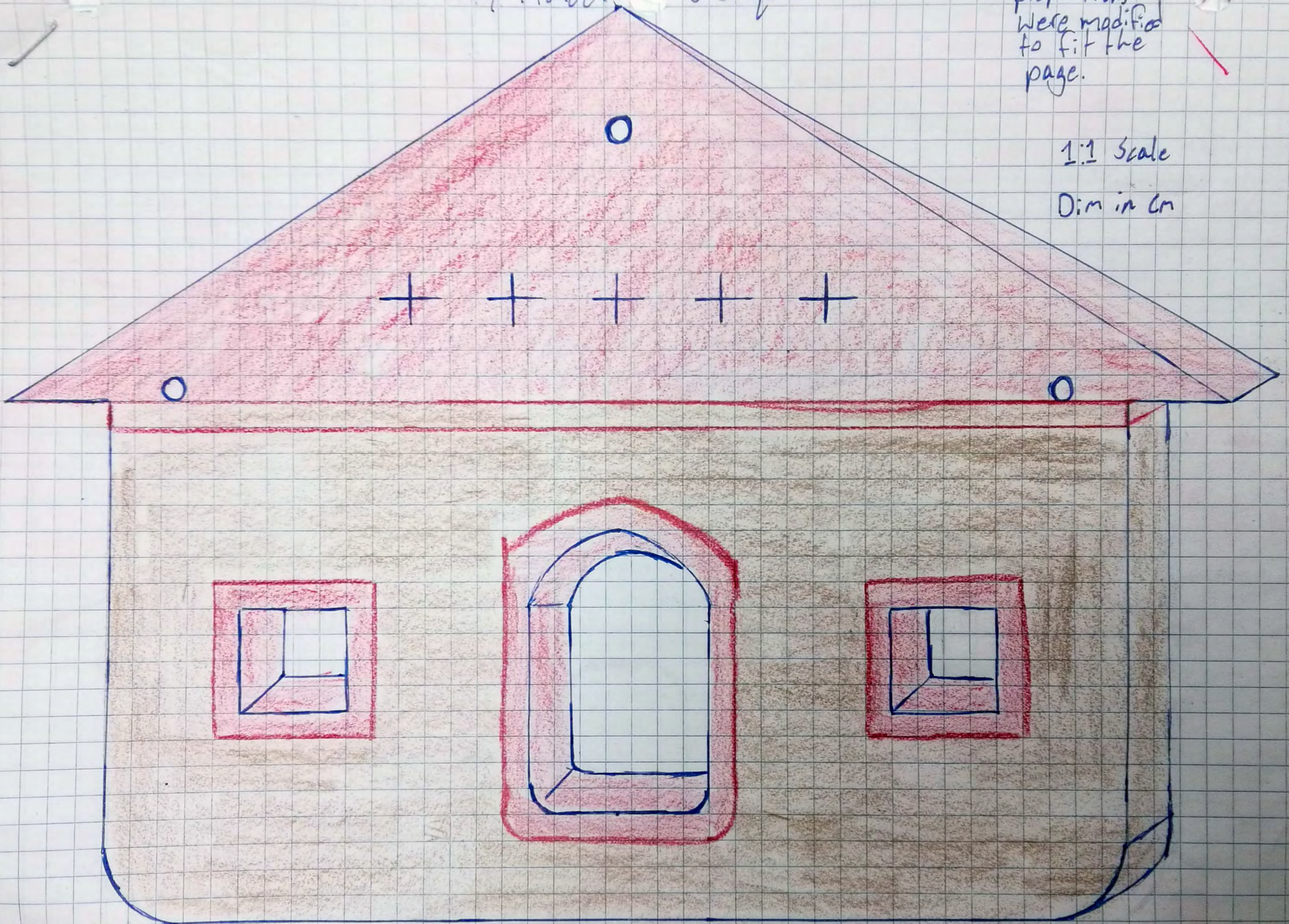
TOO HIGH.

Key Holder Oblique

Note: Sizing/
proportions
were modified
to fit the
page.

1:1 Scale

Dim in cm

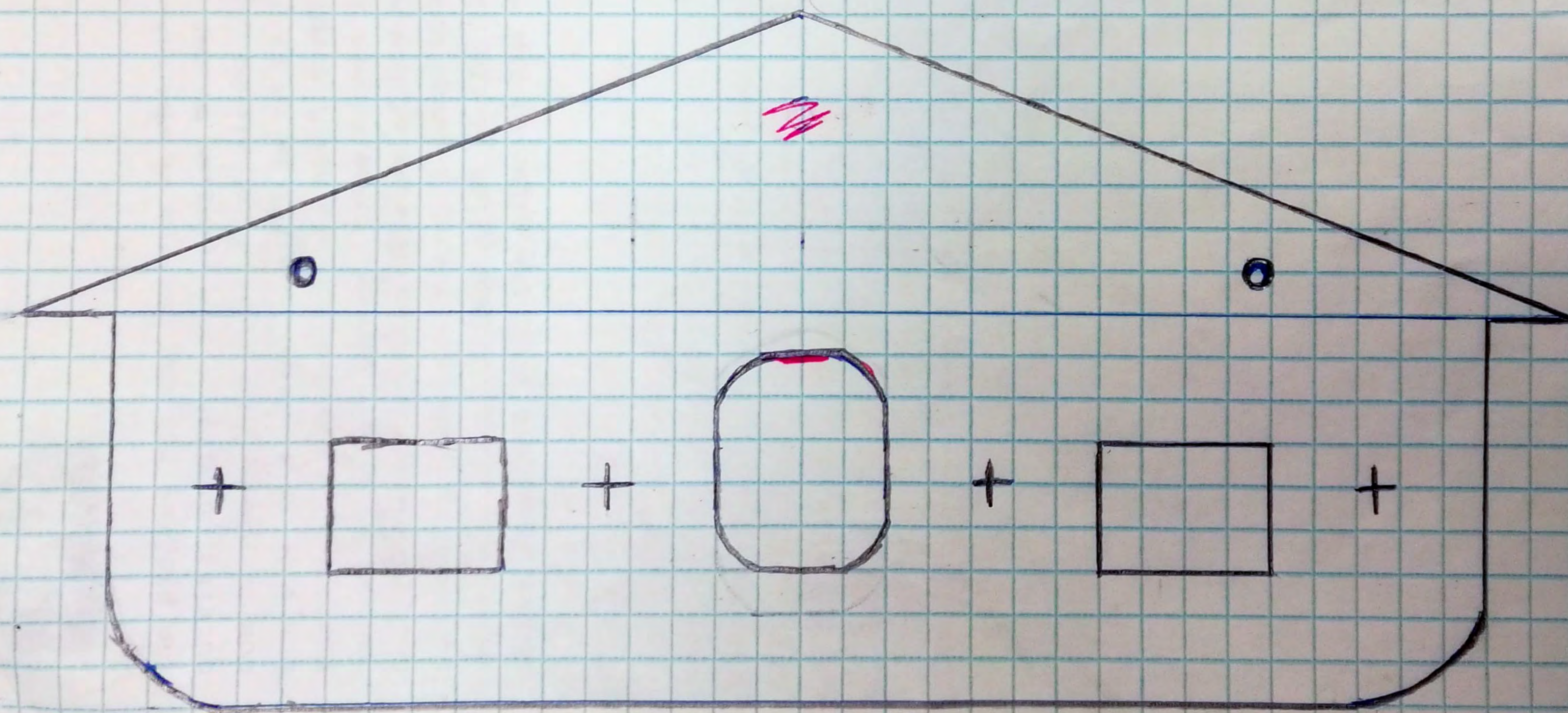


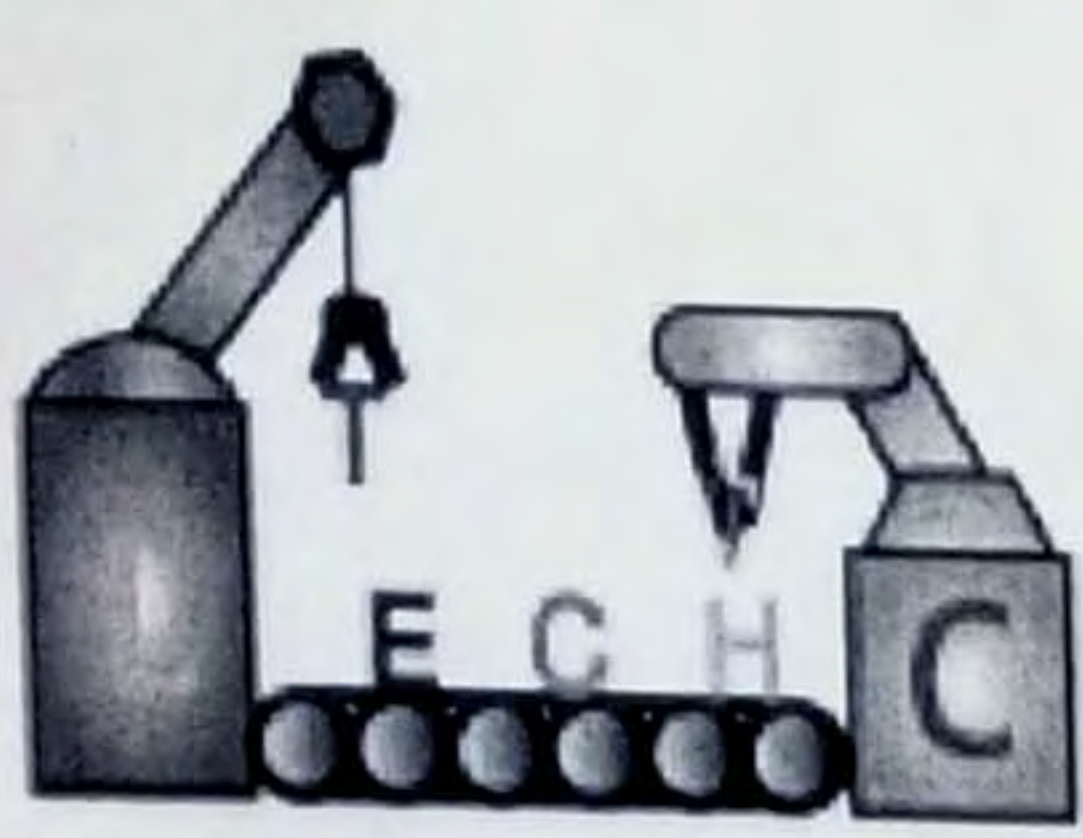
TITLE

2nd $\frac{8}{10}$

NAME
DATE:

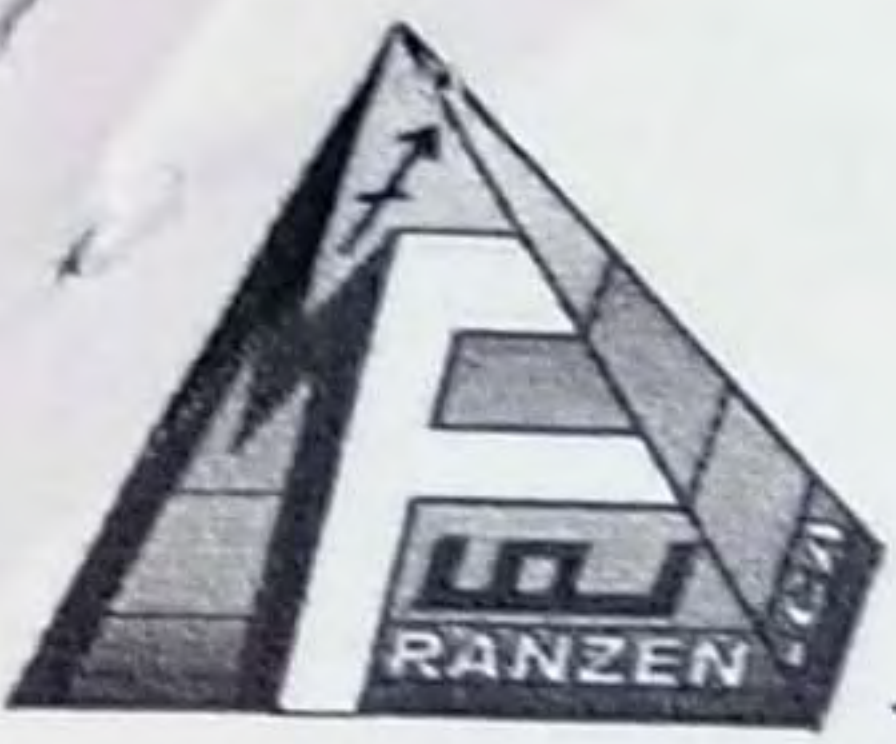
Ans. OK.





Titli?

The project was fun because it was really hands on. I liked cutting, drilling, and painting my design. I learned as a skill; how to use relief cuts to cut around tight corners, as well as how each machine may benefit me on my project. But what I liked most about this project was how I surprised myself with the end result of my key holder. To be honest I thought that my keyholder would turn out rubbish because of how bad the holes were. But it was pretty good in the end, i loved how the stain looked on the wood, how the varathane gives it the glossy look, and how the key hooks stood out from the brown of the wood stain. ✓



Index of Key Terms and Phrases:

Find ten new key terms or phrases and include the page number in the table below:

#	New Key Term or Phrase	Page #
1	Orthographic	5
2	Oblique	5
3	Primer	17
4	Stain	17
5	Clear Coat	17
6	Secondary colour match	18
7	tint	18
8	CYMK system	18
9	Primary Colour Match	18
10	Rasp	6



Check List for Project Module

All work where possible must have a complete header, computer generated using previous made related templates with your logo. When handing in everything, double check prior to handing in by checking off the following items in chronological order.

Process Report in order:

- ☒ Duo-tang or report cover including:
- ☒ Title page
- ☒ Table of contents
- ☒ SPICE, steps you took, separate 1/2 a page typed
- ☒ *Five detailed thumbnail ideas, labels, full page, with symbol legend
- ☒ *Orthographic of key holder, 1:2 reduced scale – computer or hand
- ☒ *Oblique 1:1 full scale - computer or hand
- ☒ Conclusion reflection, separate 1/2 a page typed
- ☒ This check list- with items handed in, checked off
- ☒ Final self and peer evaluation paper

Finished Keyring Holder:

- ☒ Finished keyholder in project box along with above process report

*All due date components handed in will have already been checked with mark feedback and can be updated or redone and added to report for an improved mark.

You will be responsible for handing in a full report with a finished key holder in your project box



Exploring Technologies

Western Technical-Commercial School

Name:

Date:



The Key Holder is Made, Evaluation Sheet!

Peer Marker:

Activity Process and Product Steps

Problems identified and Requirements Met:

Was the problem identified and understood?

Does the key holder have 5 round corners, 5 sharp corners, one odd hole, 20 to 26 cm long, min 2 cm width, and a minimum of 9 mm thickness?

Does it have a smooth finish/coating, 4-6 hooks, and shows mounting method?

Finished with primer/paint or stain and/or clear coat properly?

Does the report have all requirements completed (check list)?

Total
Marks

Self
Mark

Peer
Mark

Earned
Marks

5

5

5

5

Research and Information:

What ideas were found and implemented into the design

Does the report show/document this research and investigation process well?

5

3

4

5

Rough Ideas, Designs and Possible Solutions:

Completed thumbnail sketches on a full page with legend and details?

Sketches show meaningful practical possibilities?

Do your sketched ideas, notes, support your final design?

10

8

8

10

Final Design showing Solution:

Did you use computer (preferred) or hand drawn final ideas?

Orthographic 1:2 reduced scale drawn?

Is your oblique view drawn well showing shape, size, and colour(s), full 1:1 scale, original wood size drawn?

20

19

20

20

Workmanship: Construction: Product:

Were the right tools used and shown in the workmanship?

Is the key holder accurate to original plan (lay over ISO to check)?

Is quality present, smoothness observed, and finish surface completed?

Is the report generally well put together and complete?

20

19

20

19

Finished Product: Solution:

Colour(s), look good, interesting, would I hang this on my wall?

Is the report done well, templates used, good reflection, and learning achieved?

If you could have done this project again what would you do differently or how would you improve the product or time taken to make the product?

I would have done less sanding, after all the sanding, it was smaller than intended ✓

40

38

38

38

Final mark:

Based on % finished and completion and fulfillment of requirements of the problem. Peer and Self evaluation marks must be added up in this row!

→

100

92

95

97

Teacher Comments: