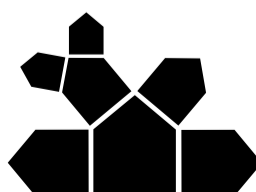


WREN ASSEMBLY TEST

CNC Manufacturing Sample
2017

Estimated assembly time 0.2 Hours
Difficulty level 1



Wren Assembly Test
UK

v1.0

10/2017

WikiHouse Foundation



IMPORTANT

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You are responsible for using the information in a safe way

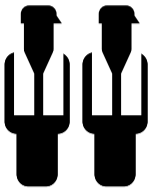
Users are responsible for ensuring that information they use or cause to be used is used in a way which is safe, and is not likely to cause harm during or after manufacturing, construction, use or disassembly.

Personal protective equipment (PPE)



All construction is dangerous. Always wear hard hats, eye protection, ear protection (malleting gets very loud), gloves, high visibility outfits and steel-capped boots. Where working at height is required, use a harness. Establish a 'safety first' culture on site, and encourage the continuous identification of hazards.

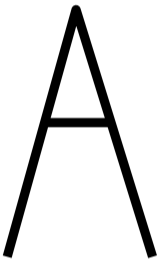
Difficulty level 2



Most of this assembly can be safely performed by a small team of any able-bodied people without formal construction skills.

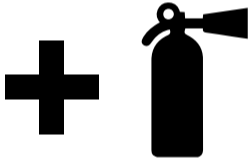
Other services, such as electrical installations and structural / building regulations certification can only be done or approved by a certified professional. Consult a professional if you are unsure.

Working at height



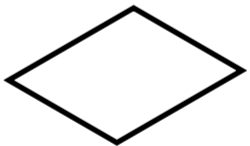
This assembly requires a limited amount of working at height to complete the roof. Do a risk assessment, and use appropriate stepladder and / or scaffolding as well as Step Ups to minimise the risk of falling. If in doubt, refer to www.hse.gov.uk

First Aid



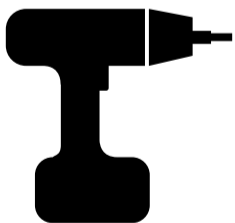
Before commencing, check there is a First Aid kit and appropriate Fire Extinguisher on site, and if possible, identify a qualified first-aider. Make sure you record important contact and medical information from everyone on site.

Site preparation



Make sure passers-by can't wander onto your site. It's also a good idea to warn neighbours in advance that there'll be some noise, especially from malleting.

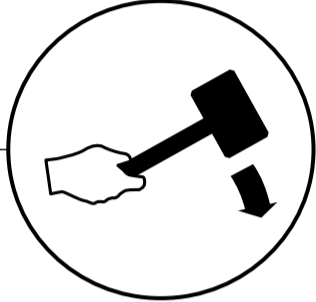
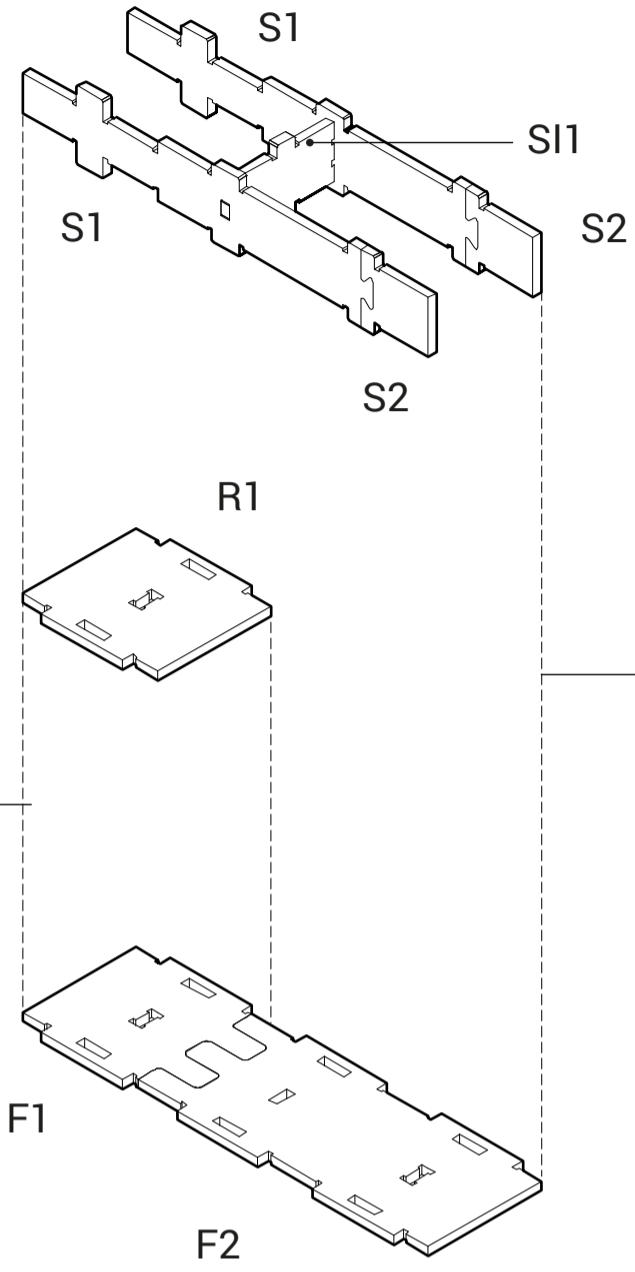
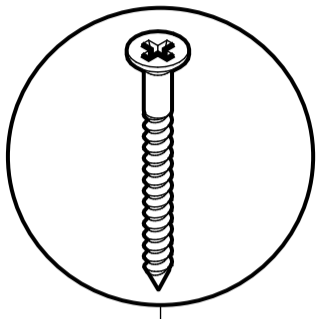
Tools



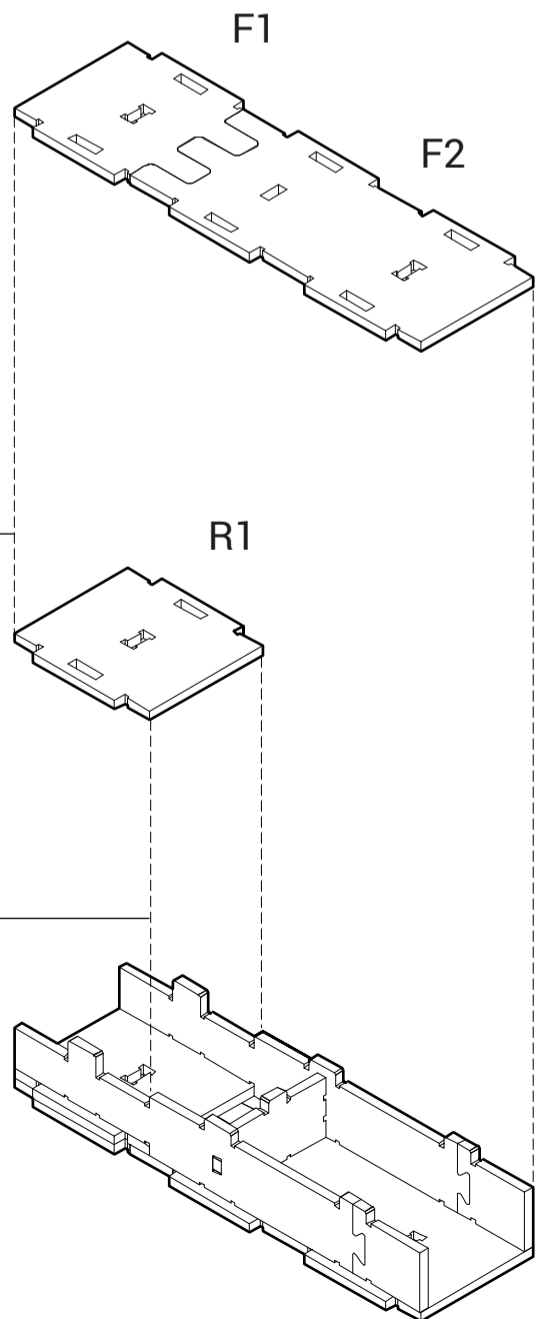
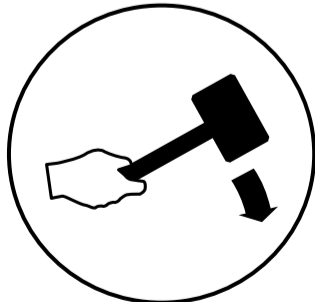
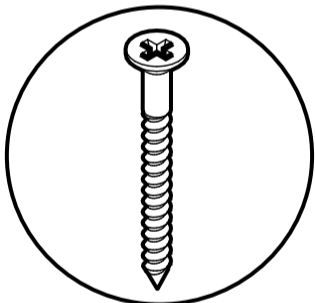
For this assembly you will need:

- 1+ Mallets
- 1+ Electric screwdrivers with as many spare batteries as possible
- 1x Electric drill
- 1x Vernier Callipers
- 1x hand screw driver (to use as a lever)
- 2 x Large clamps

1



2

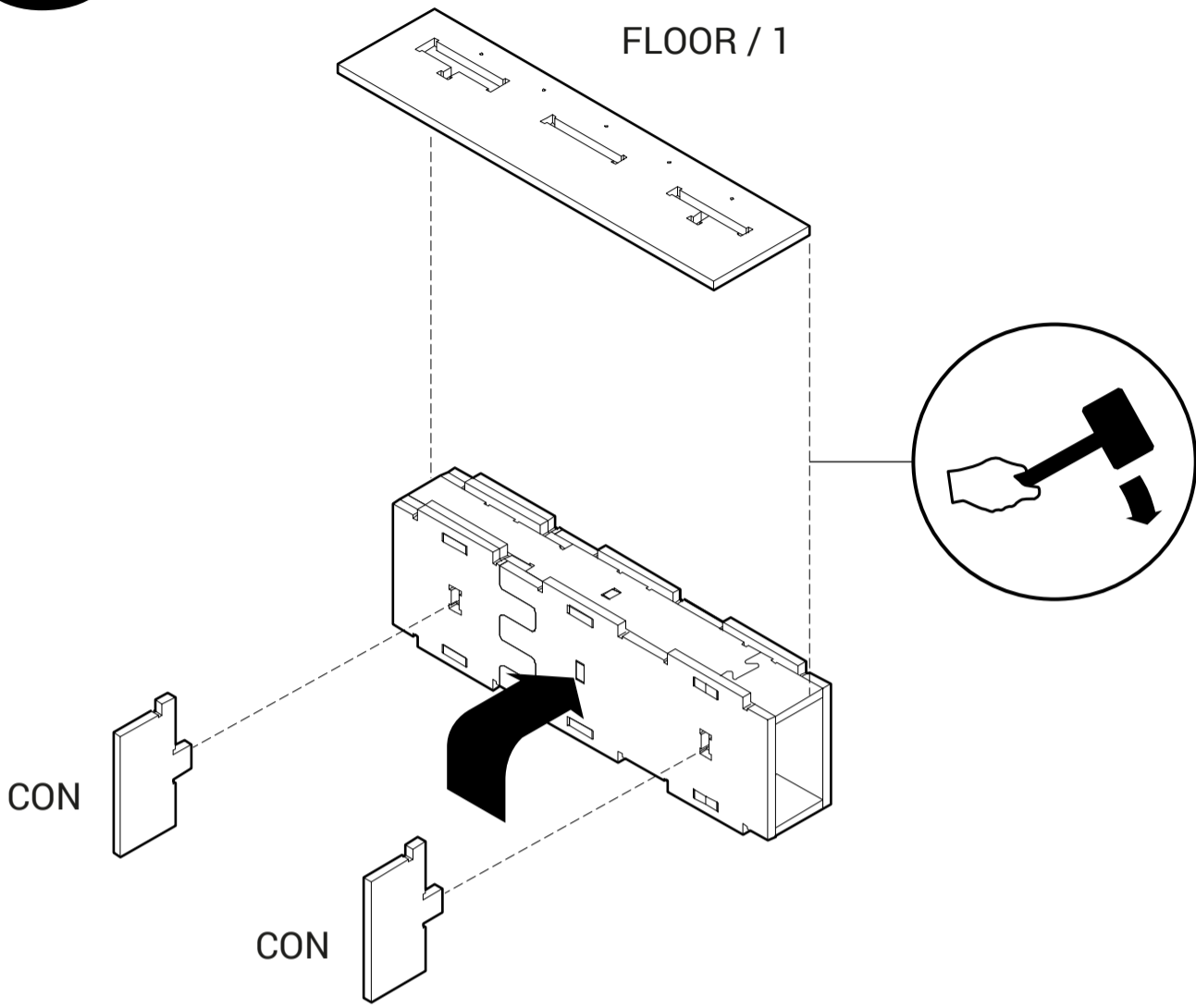


Please scan all your site notes from the process and compile them into a single document. Please upload them to your project folder or email them to

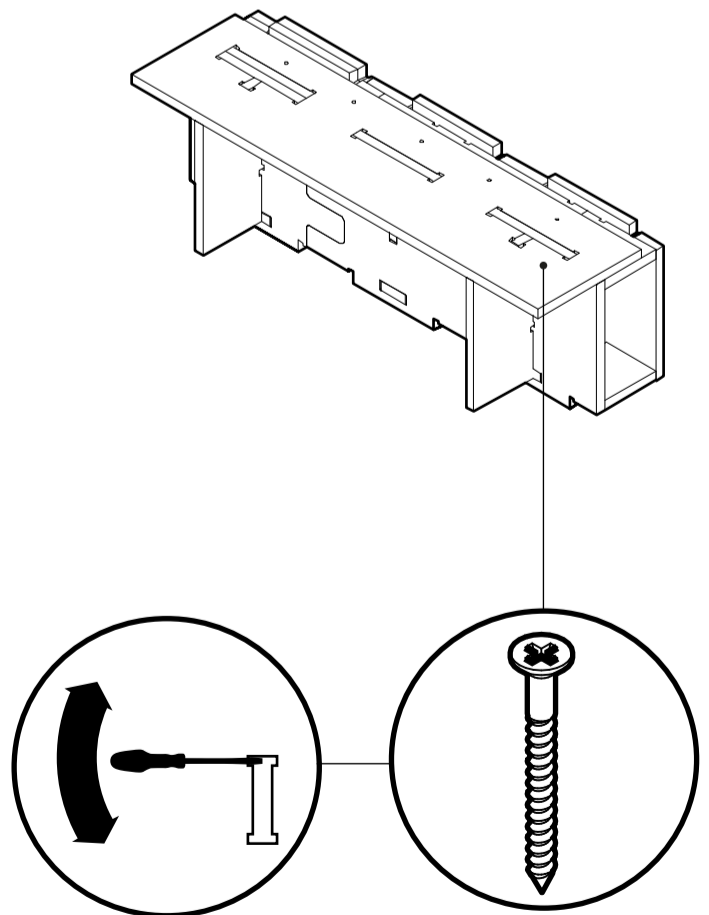
clayton@wikihouse.cc

WREN Assembly Test		1
CNC Manufacturing Sample		
v1.0	Date	Your name

3



4



Please scan all your site notes from the process and compile them into a single document. Please upload them to your project folder or email them to

clayton@wikihouse.cc

WREN Assembly Test

CNC Manufacturing Sample

2

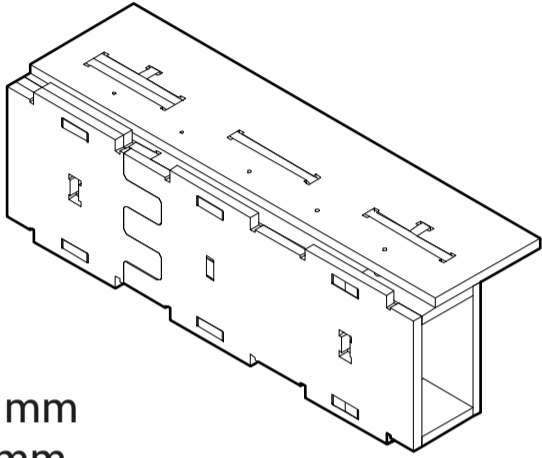
v1.0

Date

Your name

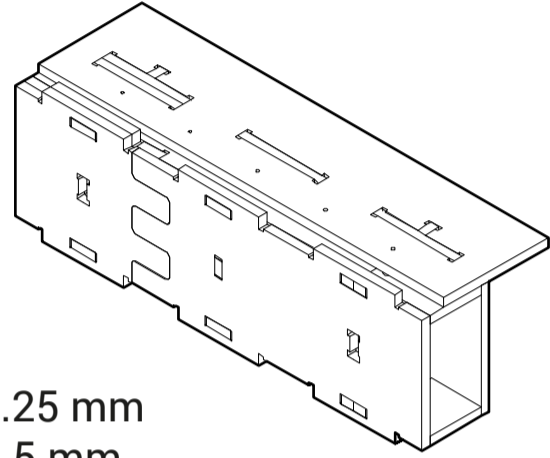
5

a



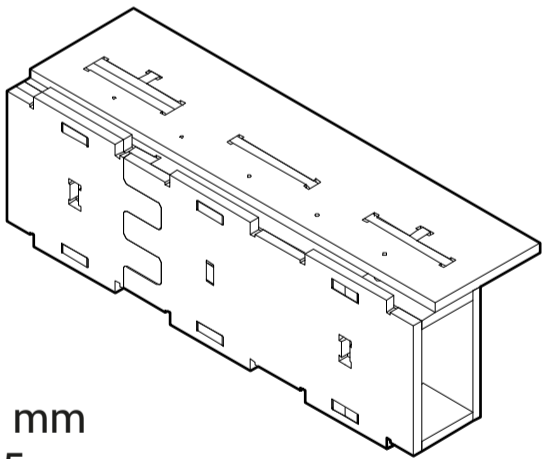
Off 0.0 mm
In 0.0 mm

b



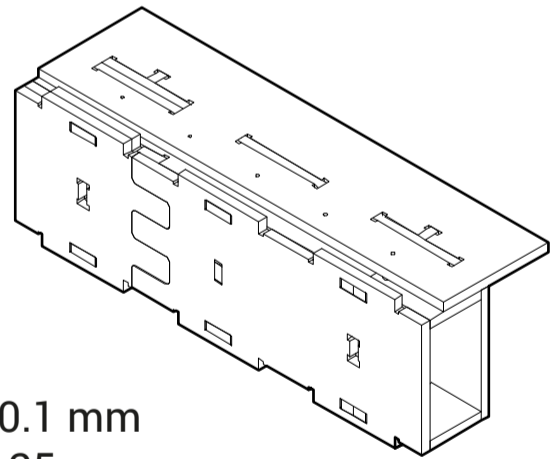
Off -0.25 mm
In +0.5 mm

c



Off 0.0 mm
In -0.25 mm

d



Off +0.1 mm
In -0.25 mm

x4

Repeat the previous to assemble
all four Wren test samples at
varying pre-set tolerances

Please scan all your site notes from the process and compile them into a single document. Please upload them to your project folder or email them to

clayton@wikihouse.cc

WREN Assembly Test

CNC Manufacturing Sample

3

v1.0

Date

Your name