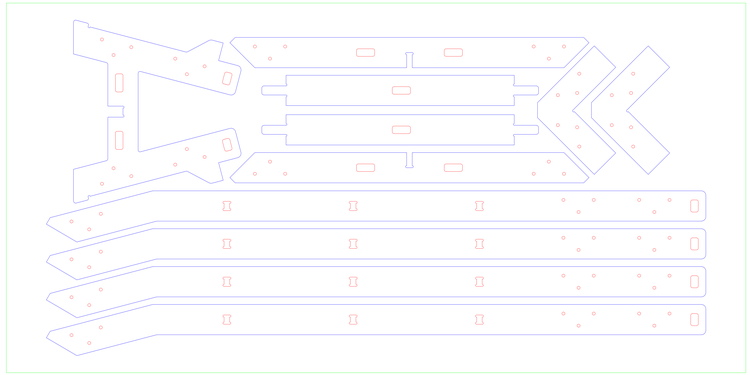
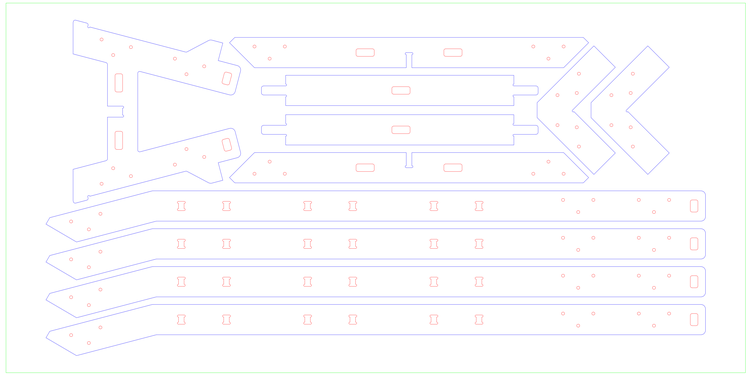
7750.00 mm

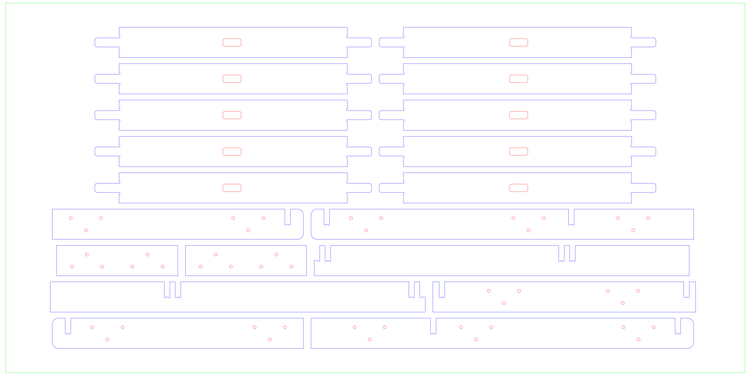
3250.00 mm



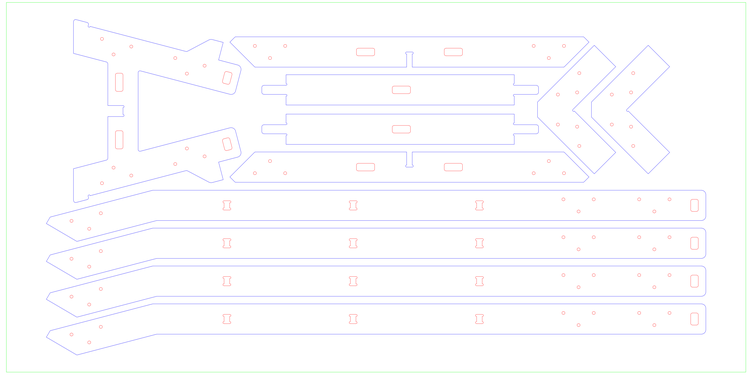
BOARD 1 - frame end



BOARD 3 - frame middle

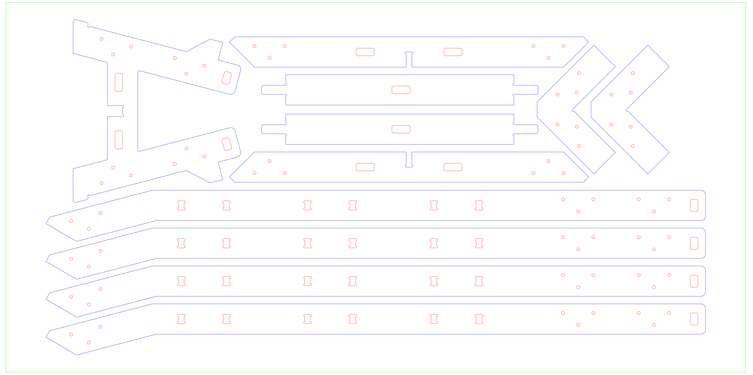


BOARD 5 - longitudinal connectors



BOARD 2 - frame end

(equals board 1)



BOARD 4 - frame middle

(equals board 3)

READ BEFORE USING THIS FILE!

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It is the responsibility of the end user to check the content of this file and to follow all security guidelines and the CNC-machine manufacturer´s guidelines while CNC-cutting. Especially when ConvivialCNC is moved in public traffic, e.g., on a trailer, it is the end user´s responsibility to follow local road traffic law.

By using this file you agree to the following:

You agree to hold harmless all Convivial CNC designers for any property damage, personal injury, death, or any other loss or damage arising out of the use of this file and its content. You agree that this file and its content is to be used on your own risk, without any guarantee of quality or warranty.

Fabrication Guidelines:

- You should always carry out your own full health and safety risk assessment, as a minimum operators should wear full Personal Protective Equipment (PPE), including eye protection, ear protection, dust masks and gloves.

- Layers with `NOPRINT` in its name should not be machined.

- If you use a MakerMade M2 for digital fabrication: The parts use nearly the whole 2440x1220 mm work area, so you might need some extra guides clamped to the site of the work area to prevent the sled from tilting.

- Slower speeds and multiple passes will lead to better accuracy and high-quality cuts. Keep in mind slower speeds may lead to higher bit temperature and thus to higher fire risk.

- A sharp drill bit should be used to get the best finish and reduce the risk of burn marks/ fire.

- A sufficient dust collection should be used to reduce the risk of fire and the amounts of inhaled substances.

- Test cuts should be made to ensure a well calibrated machine, a tight joint fit and consistent material thickness. The joints are designed to be 0.4mm bigger than the actual material thickness to ensure a smooth fit. Another offset might be needed depending on your machine and material thickness.

- It is highly recommended to use tabs for inner and outer cuts to prevent cut out pieces from moving or interfering with cutting.

- Inner cuts should be machined before outer cuts to avoid any slippage or misalignment in the material.

Happy cutting! Please contact me at make@convivialcnc.cc if you have questions, improved the design or want to share pictures of your builds!

CONVIVIAL CNC

VERSION: 1.0

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DESIGNER: Alexander Niehaves

PUBLISHED: 03/01/2022 (01.03.2022)

DESIGNED FOR CNC-MILLING:

Recommended drill bit:	6mm
Recommended sheet size:	2440mm x 1220mm
Recommended sheet thickness:	18mm nominal

For more information visit: www.convivialcnc.cc
Contact: make@convivialcnc.cc