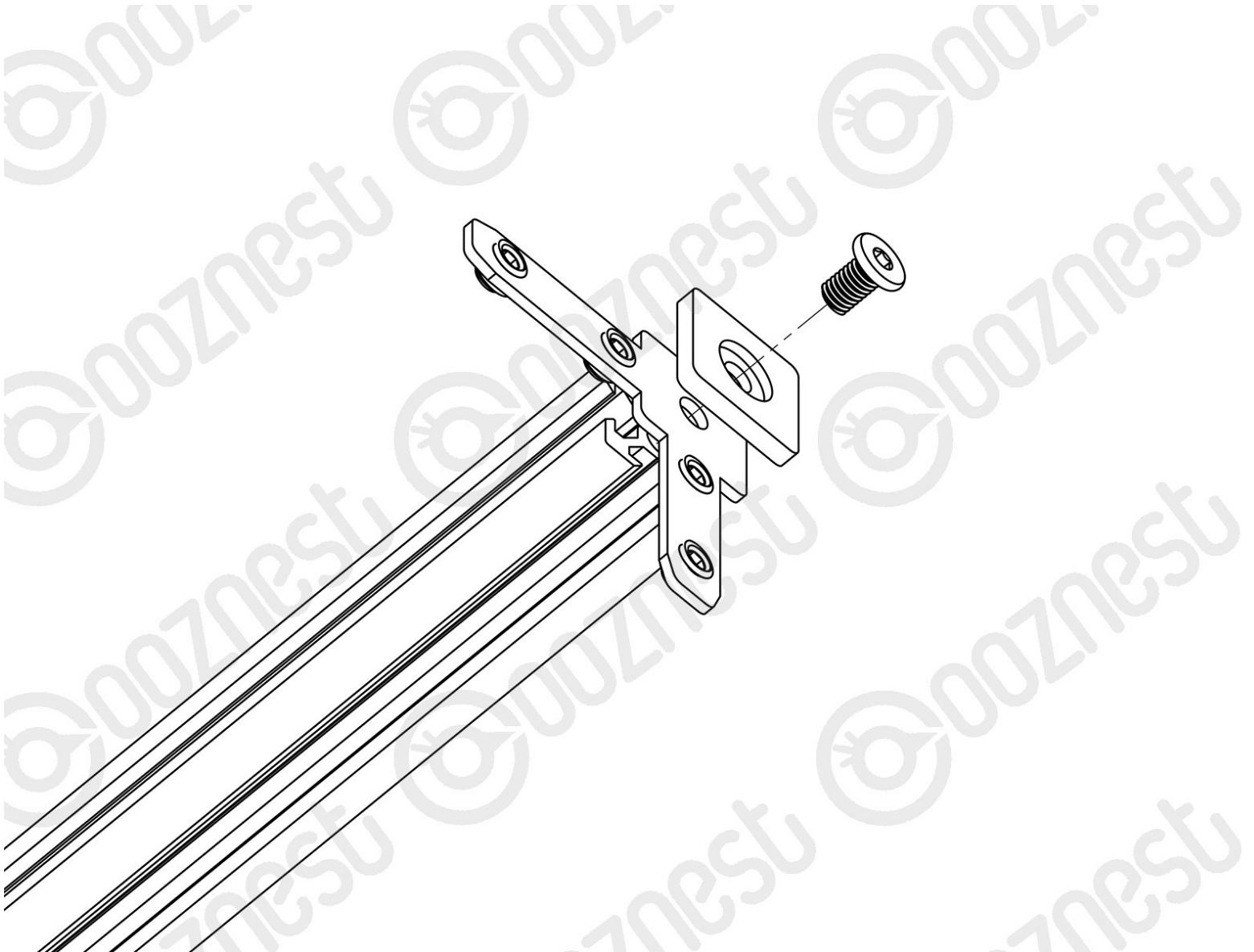


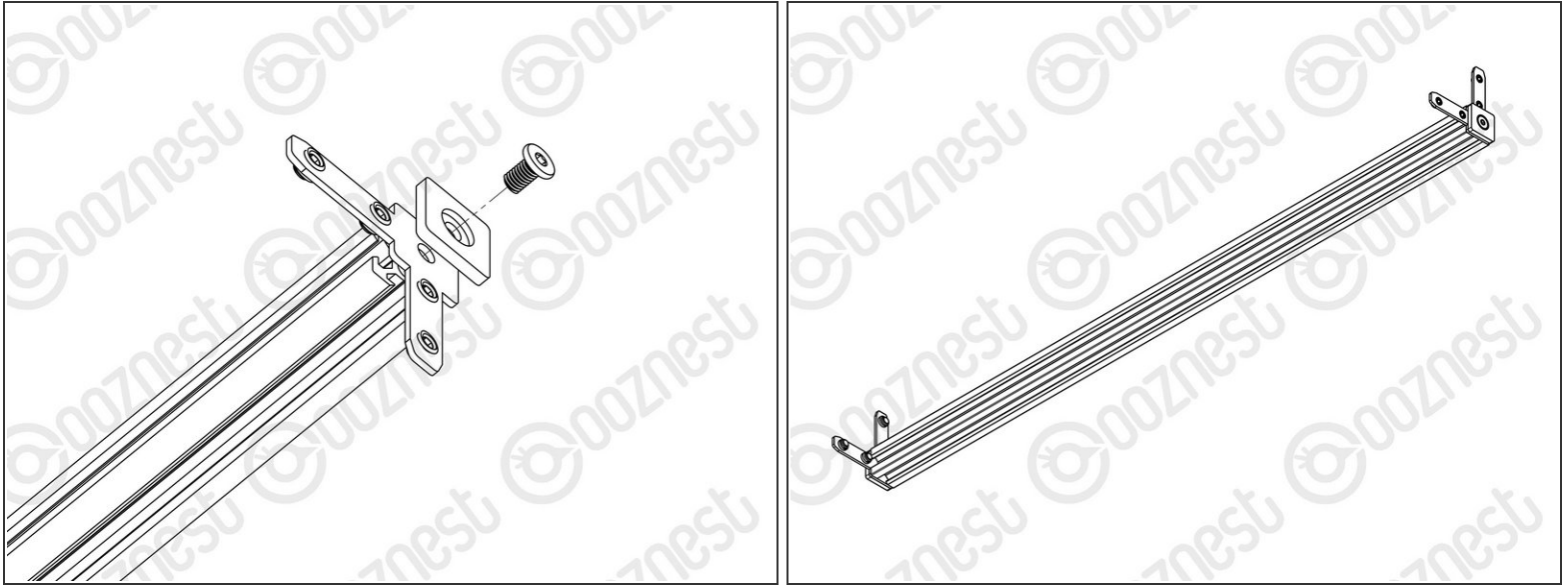


3. Assembling The Main Frame

Written By: Ryan Christy

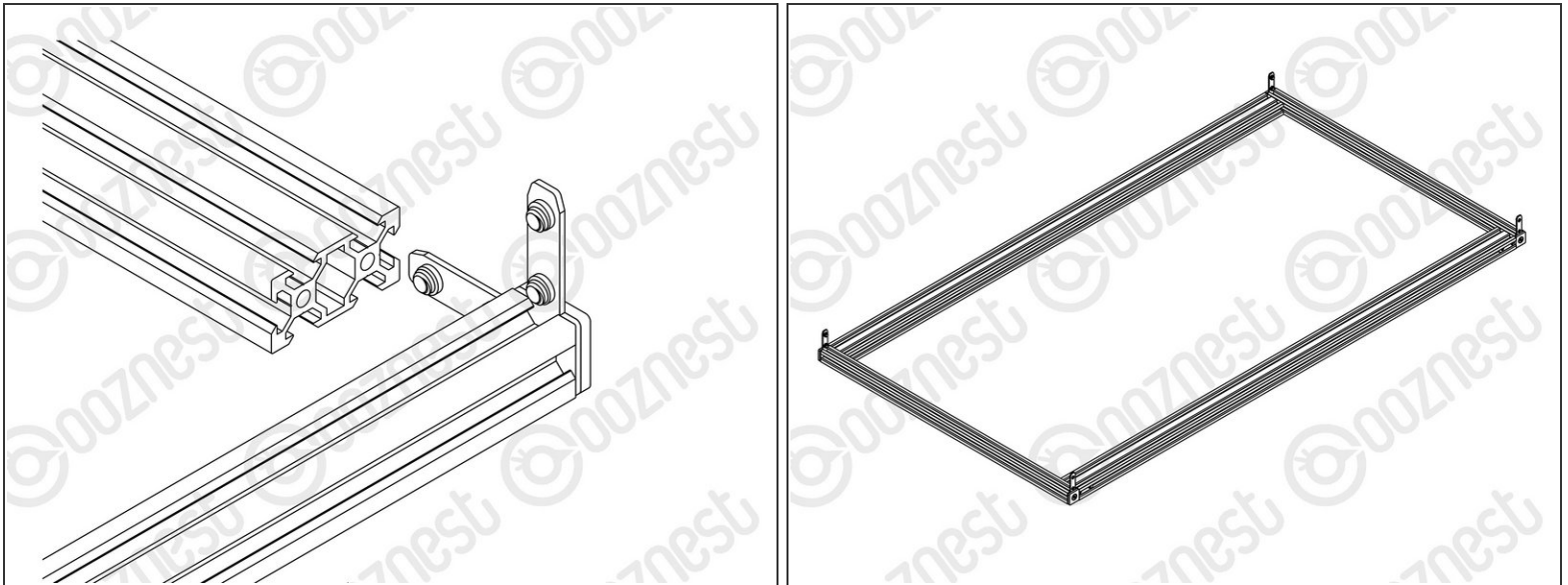


Step 1 — Maker-Links



- Fix a Maker-Link onto both ends of the V-Slot-2020-620mm-T extrusion using a M5-Button-Head-Bolt-8mm adding an End-Cap on top to secure it in place.
- Repeat this step for all the V-Slot-2020-620mm-T Extrusions.

Step 2 — Front & Back frames

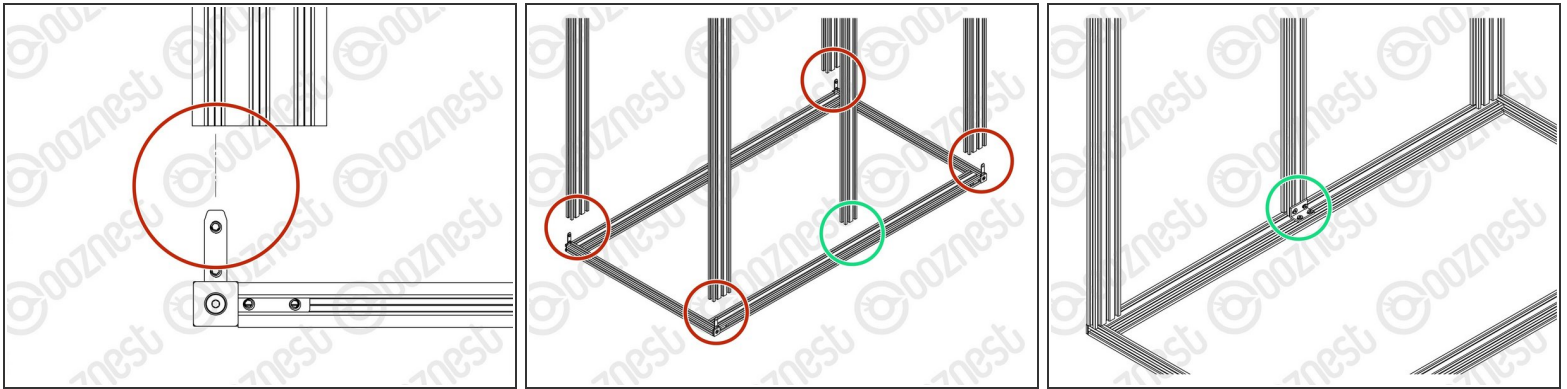


- There should be 4 x V-Slot-2040 of the same length. Lay one of them on a flat surface and connect it to the Maker-Link on one end of the V-Slot-2020-620mm-T extrusion and tighten the grub screws.
- Add another 20x40 extrusion to the opposite end of the V-Slot-2020-620mm-T extrusion.

⚠ Before proceeding this would be the time to add the panel material.

- Close off the frame with a final V-Slot-2020-620mm-T extrusion on the opposite side.
 - This is the Back-Frame.
- Repeat this step for a second frame assembly. Do not add panel material to this frame, as the doors will go inside this frame.
 - This is the Front-Frame.

Step 3 — Side Extrusions

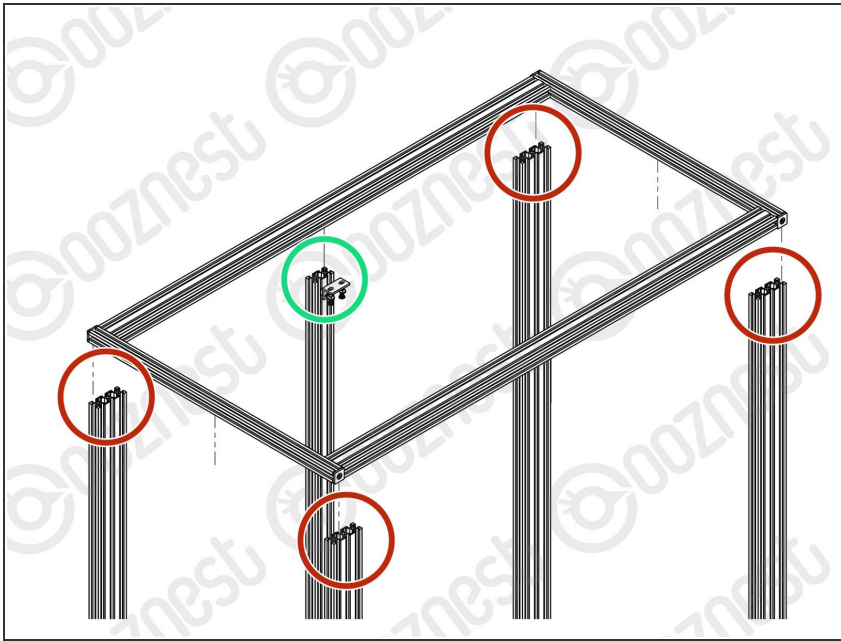


- With the Front-Frame on a flat surface slide the V-Slot-2060 Extrusion onto the 4 x Maker-Links on the Front-Frame.
- Tighten the Maker-Link grub screws until they lock the Extrusion in place.
- Secure the remaining V-Slot-2040 Extrusion centrally to one of V-Slot-2040 Extrusions on the Front-Frame using a Universal-L-Bracket.

⚠ The side with the central V-Slot-2040 Extrusion is the top of the enclosure.

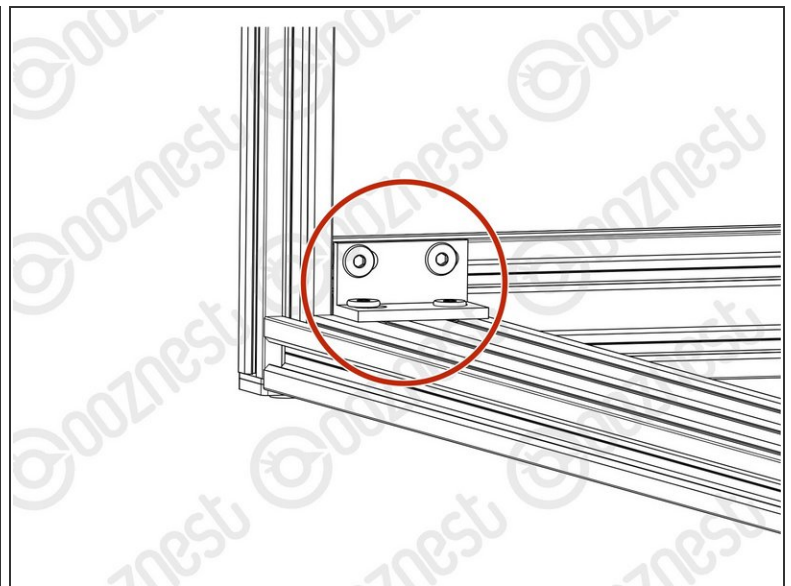
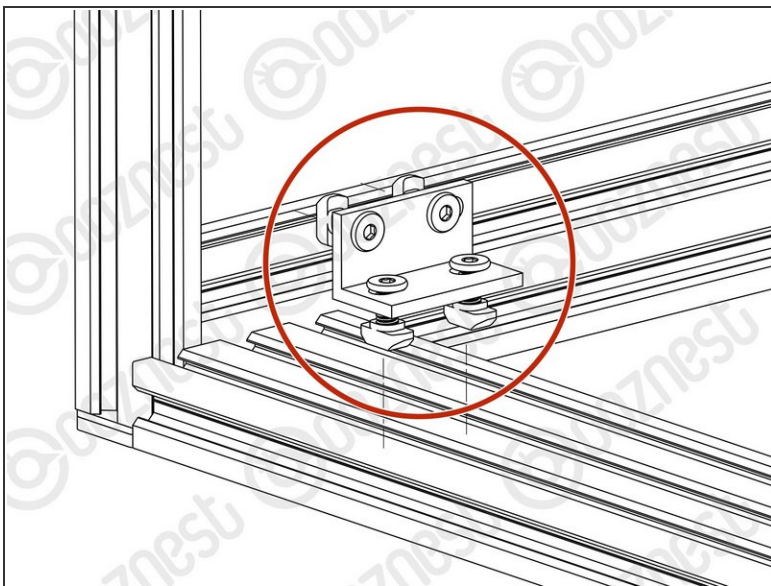
⚠ Before proceeding this would be the time to add the panel material either side of this V-Slot-2040.

Step 4 — Adding the Back-Frame



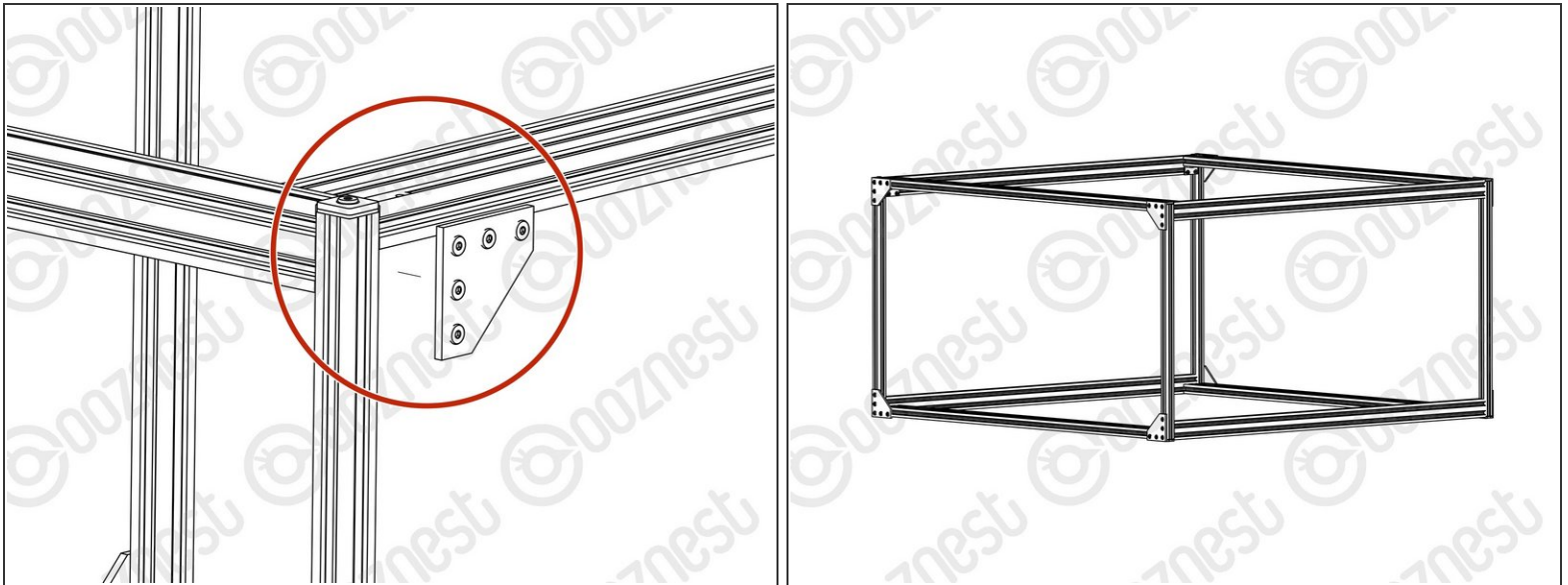
- Add the Back-Frame onto the V-Slot-2060 extrusions. Tighten the Maker-Link grub screws securely.
- Secure the central V-Slot-2040 extrusion to the Back-Frame using a Universal-L-Bracket.

Step 5 — Universal-L-Brackets



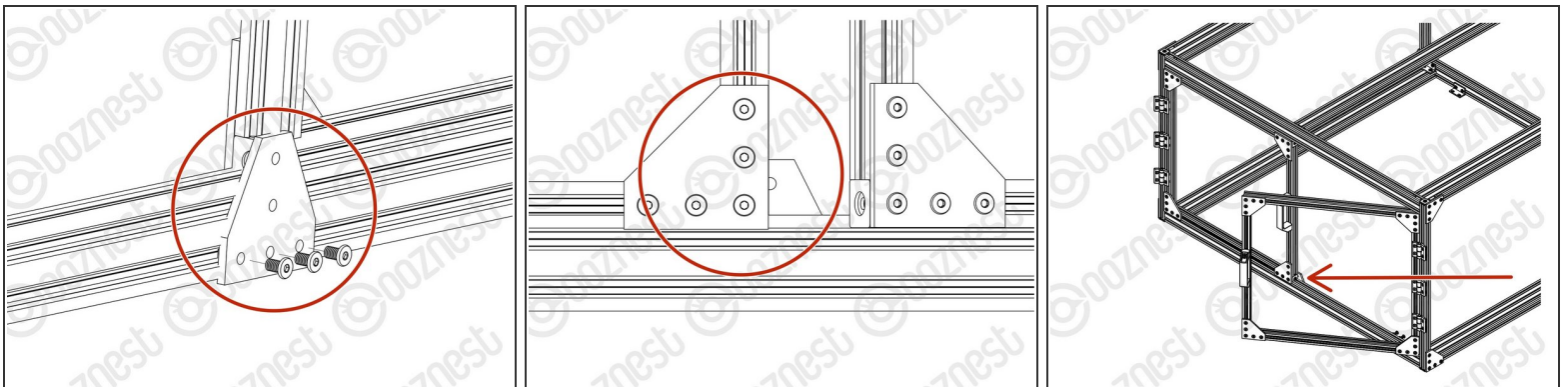
- At each corner fix a Universal-L-Bracket between the V-Slot-2040 and V-Slot-2060 Extrusions and tighten the M5-Button-Head-Bolt-8mm.

Step 6 — Corner-Joining-Plates



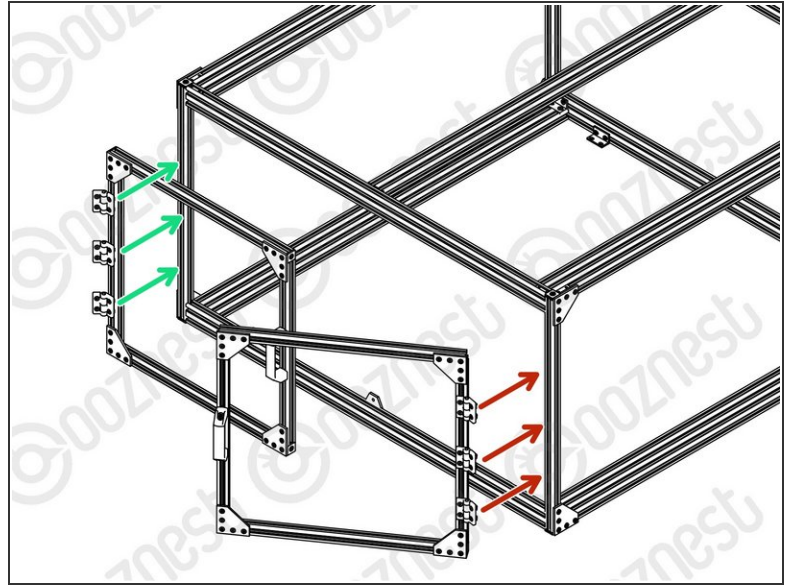
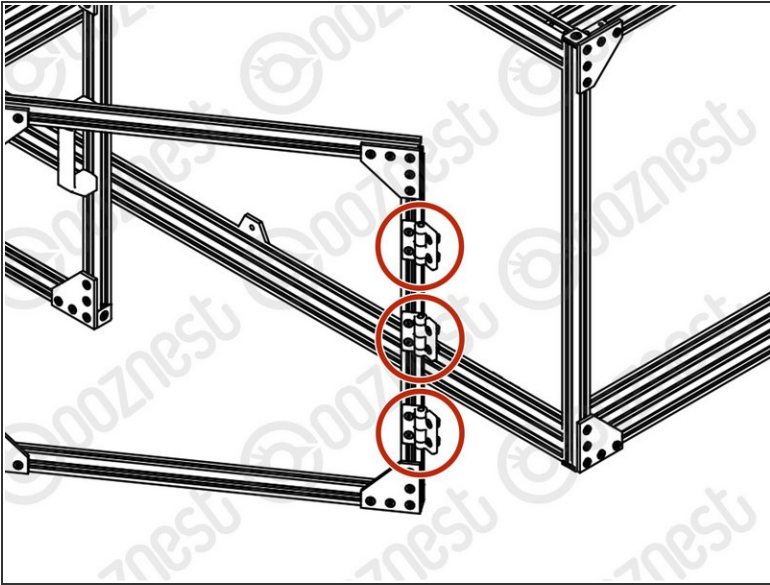
- Secure a Corner-Joining-Plate to the corners where the V-Slot-2020 and V-Slot-2020 extrusions meet.
- Repeat this for all 8 corners

Step 7 — Door Stops



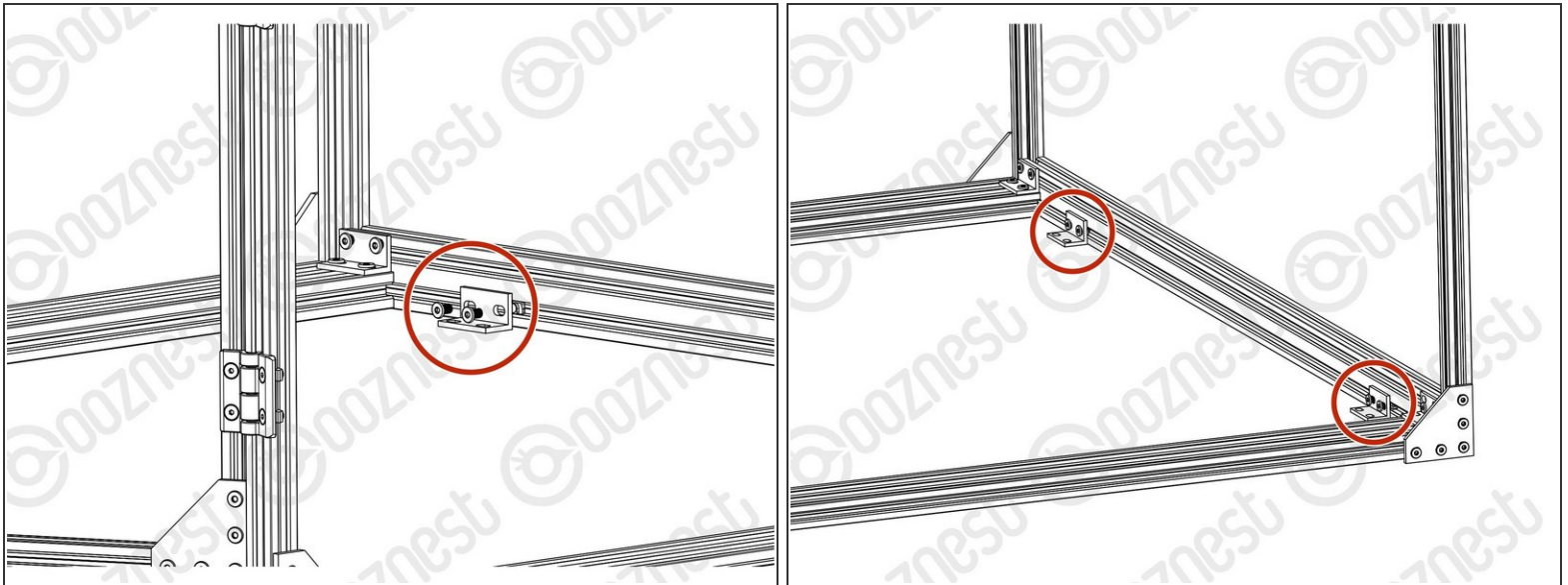
- Fix a T-Joining-Plate centrally to the bottom V-Slot-2040 Extrusion. This will function as a stop for the two doors.

Step 8 — Mounting the Doors



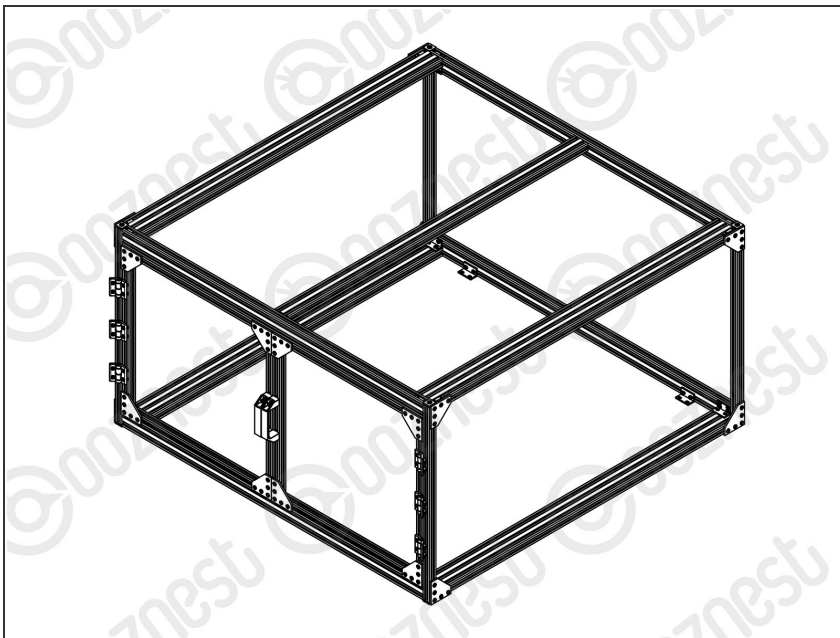
- Mount a door by attaching the Door-Hinges on the door frame to the V-Slot-2020-Black-620mm-T extrusion using M5-Button-Head-Bolt-8mm
- Take time centring the door so it does not catch on the frame extrusions.
- Repeat this step for the other door.

Step 9 — Securing The Enclosure



- Using the Fix Down Universal-L-Bracket, fix them into the V-Slot-2040 Extrusions front and back on the inside on the enclosure. These will allow you to secure the Enclosure to your work bench.

Step 10 — Guide Complete



- ① Congratulations you have finished building your Original WorkBee Enclosure.

Thanks for following the guide. Any issues, please contact us!

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