

Supplies

Our sectional warping setup consists of purchased and hand-made components.

3d printable files!



Creel

- Leclerc bobbin and spool rack
- Leclerc spools or **custom 3D printed spools**
- electric bobbin winder

Tension Box

- Leclerc tension box
- Leclerc yardage counter

- From Box to Beam
- extra Leclerc comb
- slot-and-hole paddle (we used a rigid heddle from a different loom)

Beam

- original TC2 Beam modified with Leclerc sectional warp beam with 1" sections
- collapsible sawhorses
- pairs of casters screwed to a wooden plank (to aid rolling)
- winding assembly that attaches to the sides of the beam. One side has a centered shaft, the other has a handle. We made sure our design mounts to the same hardware that already exists on the loom.
- **warp guides**

Accessories

- scissors
- painter's tape
- scrap yarn
- irwin clamps

when considering how much to warp, don't forget to consider how much the beam will weigh after beaming! 15 yards is liftable, 60 yards was hard to manage.



rolling handle

used to turn the beam. Ours screws onto the existing beam hardware.

"frankenbeam"

the original TC2 beam with sectional warp guides cut to size and slotted into existing grooves in the beam via screws

clamps

clamps hold the casters on the sawhorse and hold the beam in place when we are not actively winding.

sawhorses

collapsible sawhorses support the beam and winding assembly.



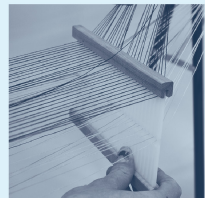
yardage counter

used to measure the amount of yarn added to spools, and then the amount of yards wound into each section



tension box

used to draw in yarns from the creel, hold the cross, and maintain even tension across the section



slot-and-hole paddle

used to recreate the cross before cutting off the sections. We used a rigid heddle sourced from a loom

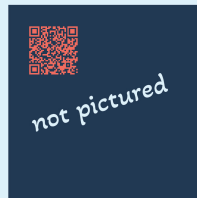


It looks like this!



comb/reed

used to make sections conform to 1" during winding



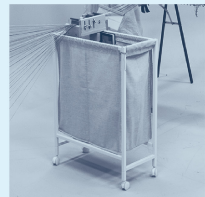
warp guides

these attach onto the metal separators between the sections and help the warp stay within the section during winding. We didn't use them, but it's probably easier if you do. We made a **3D printable warp guide** if you need!



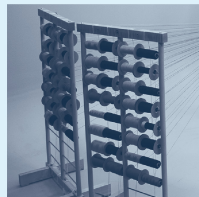
casters for rolling

these casters allow the beam to rotate. They are screwed to a wooden base and clamped to the top of the sawhorse



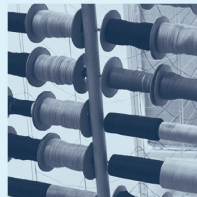
rolling cart

this Ikea laundry cart became a convenient way to place the tension box between the beam and creel.



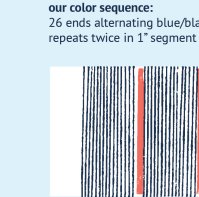
creel

used to house spools of yarn that will be wound off into sections. It should contain one spool for each warp end in your section (for us, that was 60 ends)



spools

spools hold the yarn for winding. We have cardboard spools and were also able to place smaller sized full cones on our creel. We made a **3D printable spool** if you need!



our color sequence: 26 ends alternating blue/black + 4 ends red, repeats twice in 1" segment



About this Poster

This poster is inspired by a larger inquiry into how we document and share the lesser acknowledged elements of a weaving practice, like warping. In its design, look the content we developed with Peggy Dethlefsen and the amazing books written by Peggy Dethlefsen. Additionally, we owe a debt of gratitude to the book we used for inventing the loom, *Warping Yarn* by Susan Branson. We also owe a debt of gratitude to the book we used for inventing the loom, *Warping Yarn* by Susan Branson. We also owe a debt of gratitude to the book we used for inventing the loom, *Warping Yarn* by Susan Branson.

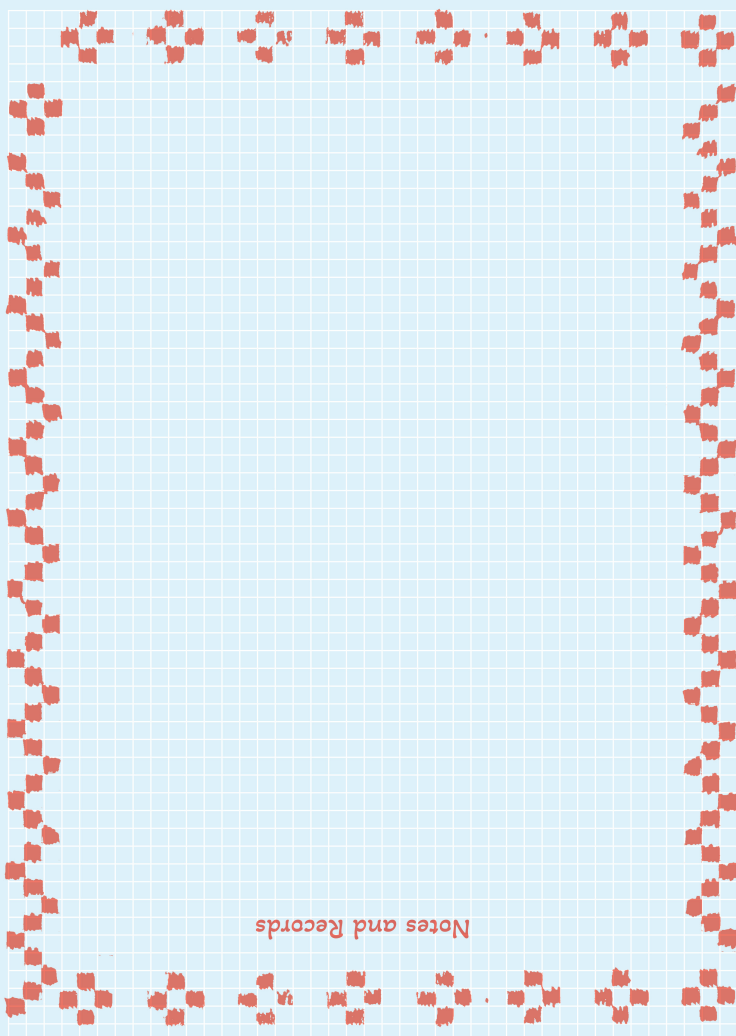
I have always appreciated the generosity of the weaving community and the countless books and blogs that illustrate how we do what we do, possible without the support of Cathy Amick, Christy Heston, and the amazing books written by Peggy Dethlefsen. Additionally, we owe a debt of gratitude to the book we used for inventing the loom, *Warping Yarn* by Susan Branson. We also owe a debt of gratitude to the book we used for inventing the loom, *Warping Yarn* by Susan Branson.

While our experience has led us to the resources and techniques described here, there are many other resources available. I found 'Sectional Weaving' by Eddy. As a used bookstore and it has been a great resource for us. We also used the book *Warping Yarn* by Susan Branson for the TC2 specifically and *Warping Yarn* by Susan Branson specifically and *Warping Yarn* by Susan Branson.

-Laura Dethlefsen

About the Resistance Project

Resistance is the second segment of digital weaving. Weaving to Save the World, an ongoing project that explores the intersection of digital weaving and the arts. Resistance is a collaboration between artist and designer. Resistance is a collaboration between artist and designer. Resistance is a collaboration between artist and designer.



Notes and Records

this guy!



This poster is based on the content from the 4.0n sectional weaving & beaming the TC2 loom.



all of the content has been adapted for an online format, available at resistance.unstable.design