

PUZZLE FORTRESS

fabricating
form &
following
fiction



Andreas
Andreas, Colarusso, Taylor & Co., Books
Interdisciplinary Technology Lab, IIT
Pi-Fab, Pratt Institute SOA
Quinten Oxander, StudioX

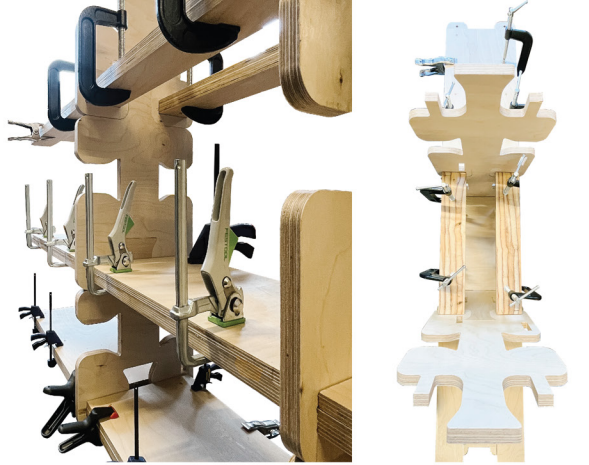


Digital Lab Technicians at Pratt Institute's
Interdisciplinary Technology Lab (ITL) extracting
Puzzle Fortress pieces after a 2002 digital CNC
cutter operation.



Puzzle Fortress was crafted using a combination of digital and analog techniques. The Zund & Shaper cut precisely mapped geometries out of the material, while a Festool tracksaw ripped through long, straight cuts; helping reduce production time.

The modules were pre-assembled off-site with clamps and a guided peg connection system, allowing for easy transport and on-site assembly. This approach minimized disruptions within the establishment during installation.



To ensure ease of maintenance in a high-traffic area and durability for children's use, Quinten Oxander from StudioX shared his expertise in sewing custom vinyl cushions with military-grade khaki thread and a French seam finish.

