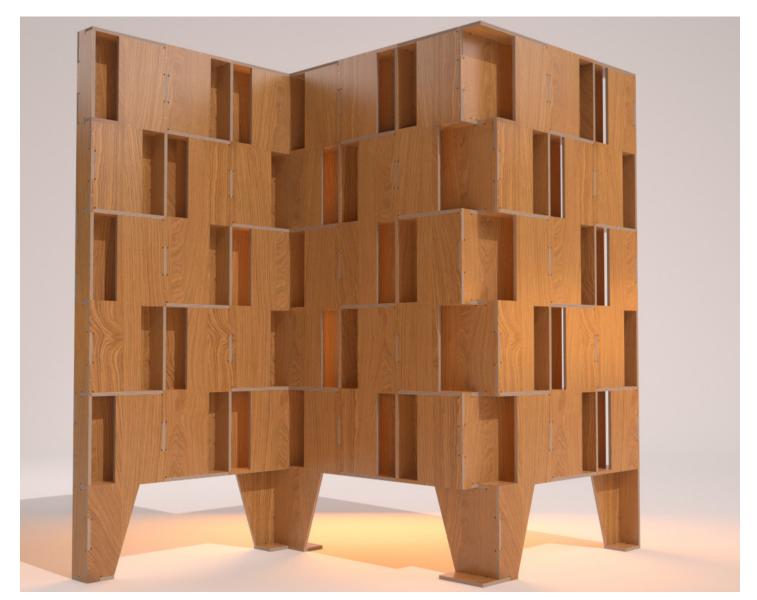
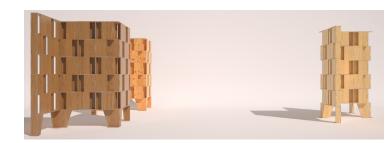
BETA INSTRUCTIONS 06.12.2014 BETA INSTRUCTIONS 06.12.2014

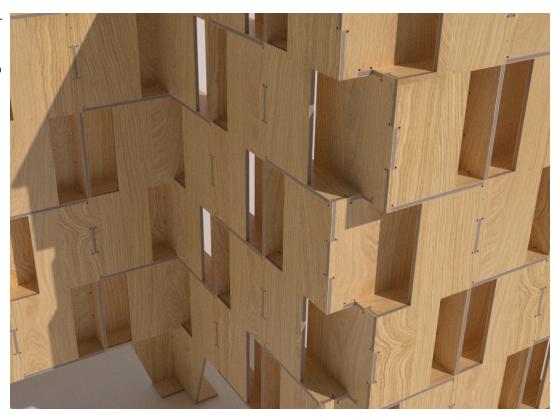


# **MATERIALS & FINISHES**

AtFAB pieces can be made out of any sheet material that your CNC machine can cut. Materials can be prefinished, so finished pieces come directly off the machine ready for assembly.

Materials can also be kept raw until after cutting, so you can finish parts individually or wait until the entire furniture object is assembled to finish it. See atfab.co for examples.





# A1FAB Cellular Screen Beta\*

\*The Cellular Screen is in beta testing. This version was successfully prototyped at full scale multiple times, and functions as intended. We are seeking feedback specifically on assembly methods. We'd like to hear about your techniques and how we may best communicate putting the screen together. We welcome your insights and questions as you make your version, and thank you for participating in our R&D process.

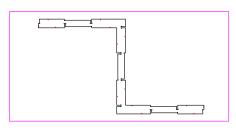
The Cellular Screen is a double layered structure that both reflects light and provides visual privacy. The pasic, compact version shown here is well suited as a privacy screen or room partition for your office,

with its ability to extend in all directions and transform within its cells, the Cellular Screen is a widely adaptable partition system with almost limitless possibilities to enclose and shape spaces of all kinds

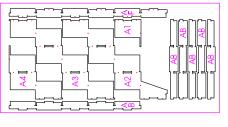
# CELLULAR SCREEN DIMENSIONS

total height 1750 69	total length	1820	
total depth 1060 42	total height		
	total depth		

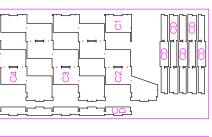
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KEY	
Black	Inside/Outside Cuts
Magenta	Plywood Edge Part Numbers
Red	Holes (Optional)



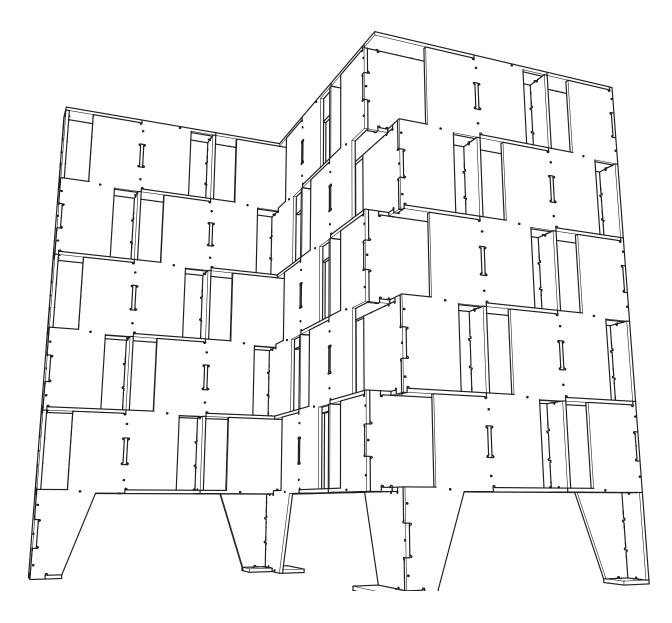












# **CUT FILES**

One cut file is provided to cut all required Cellular Screen parts.

The Cellular Screen file has through cuts and drilled holes. You will find these separated by layers in the DXF file, and noted above.

We also provide part numbers on a separate layer.
These numbers will simplify the screen assembly process, and should be transferred onto labels (or etched directly onto the parts, as welike to do). CNC cutting on

the appropriate side of the line is critical to ensuring that tabs and slots fit together.

Use the approximate linear inches to assist in cost estimating the scope of CNC services.

# MATERIALS

Cut files provided are scaled for 12mm (1/2") Plywood.

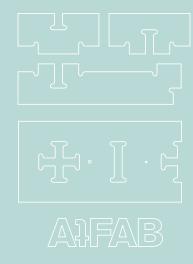
Consult sheet material supplier and manufacturer instructions for finishing materi al faces and edges. If sealing oiling and waxing, or painting your Screen, also consult manufacturer instructions.

CNC machines require the own supplies, consult your fabricator to find out recommended bit sizes for CNC routers, masking to protect your materials, and anything else the machines need.

We recommend purchasin a 20% material surplus to use for testing and calibration, which is required for ensuring a good fit between the Table parts.

## **WAKING CHEST SUPPLIES**

fasteners 210



# THE TEST PIECE

parts is essential for a sturdy, functioning Cellular Screen.
Since nominal material thicknesses can vary from product to product, some advanced preparation is necessary.

FAB\_test.dxf) provided in the download enables you to calibrate your machine settings exactly to your material thickness, prior to cutting ou an entire furniture object.

The Test Piece has exambles of all joint conditions

at you'll encounter in every tFAB furniture object.

Cut as many iterations of the Test Piece until all of its parts can be put together easily but still fit snugly enough to stay together.

Multiple settings can be e uated by "bracketing" too path offsets, cutting spee bit sizes, and any other features that have an impa on how much material is r moved as the CNC tool of

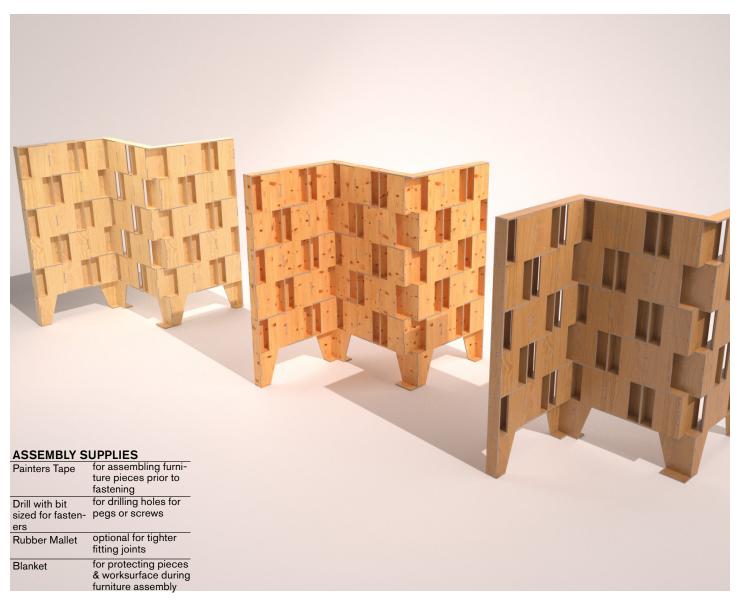
minor adjustments within the CAD file, if overall furniture

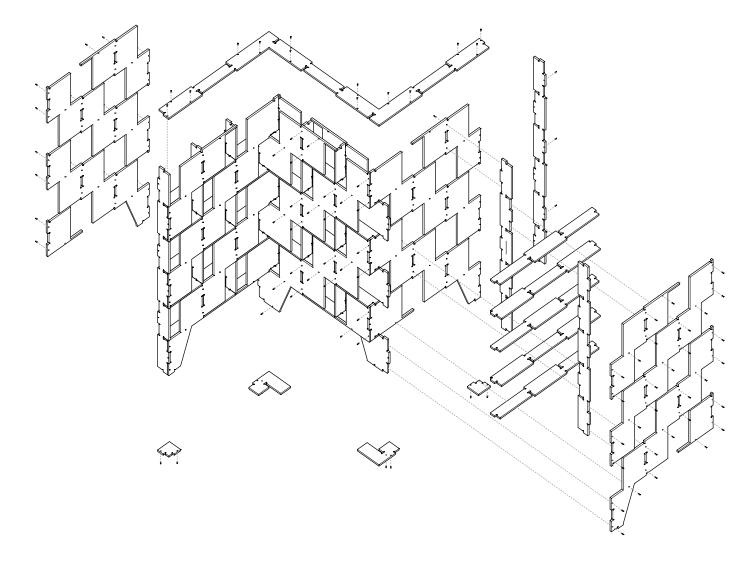
This is best achieved by scaling the entire file by 1-3%, so that slots are closer to

If you're planning to finish your Screen after cutting, it's important to finish the Test Piece as you would your Screen to ensure the joints fit after sanding and coating.

the fit, save your CNC settings and start cutting your Cellular Screen!

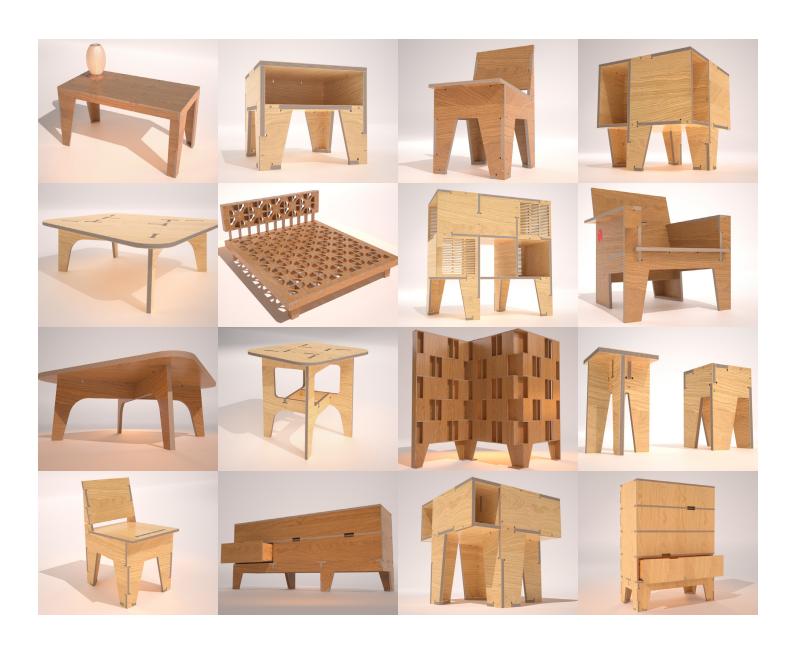
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ASSEMBLE

Do you have a better way of assembling the Screen? We are seeking detailed methods and sequence for assembling the parts. Do you have any tips to ease the process? Have you identified a particularly challenging step? We welcome your feedback and insights on assembling the Screen, which we can share with other makers.



# A1FAB BETA

# **ABOUT BETA TESTING**

We are offering beta files that have had limited full scale testing, and/or limited instructions for assembly. We have made 1:6 scale prototypes from the cut files, and have built full scale versions of very similar designs. Due to the size of the task, however, we have yet to prototype these particular designs at full scale, which is why we are leaning on our community to help us.

In general, we feel confident in the quality of these cut files and the performance of the designs. We've had a smooth process of translating our other published AtFAB designs from scale models into full scale prototypes, and anticipate the same for these larger designs. While we've done all we can to ensure a successful result, there remains a chance for defects somewhere in the process. We kindly request that you only proceed with making these files if you understand these limits of our research, review these terms & conditions, and acknowledge that use of these files is entirely at your own risk.

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# CONTACT

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