Tutorial 2: Flat plate with ssDNA handles

Step 1: Define cross-section

Step 2: Extrude the scaffold

This tutorial is a DRAFT. A completed version will be available by the end of the workshop.
Step 3: Add an asymmetric domain

Step 4: Tweak the length to reach the desired scaffold length

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Step 5: Add “dummy” helices at desired ssDNA handle locations

Step 6: Place some dummy scaffold for handle routing
Step 7: Expand dummy scaffold lengths

Step 8: Click AutoStaple button

This tutorial is a DRAFT. A completed version will be available by the end of the workshop.
Step 9: Examine handle locations, adjust and/or remove extra ssDNA overhangs

Step 10: Use Paint Tool to color all staples gray (or any color)
Step 11: Use Paint Tool to color handles a unique color for easy visualization

Step 12: Repeat painting for each handle

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Step 13: Manually break handle so it has at least one 14-base segment

Step 14: Repeat for all handles
Step 15: Clean up short staples near edges

Step 16: Upload design to AMI and run AutoBreak
Step 17: Examine AutoBreak output for blue staples. Adjust design as needed.

Step 18: Run OrigamiSim.py to make structure prediction.

```
origamisim.py -i path/to/input/filename.json -vmd
```

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