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4.510 Digital Design Fabrication Fall 2008

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Design Summary - We investigated using a two prong clip joint for both the warm-up exercise and the panel construction design. After a series of mock ups, we made several design changes before constructing our final prototype. Initially, our joint was about half the length and used a different assembly procedure, but we learned that a longer profile was more flexible and a larger hole would be required to rotate the pieces within each other.



Warmup - Snap-fit Joint

Two prong snap ensured a snug fit.

**Cut Sheets:** 



Scale 1:2A



Wall Joint Conditions:



## **Design based on Assembly Requirements:**







Thin enclosure for bending

Enclsoure tabs to hold in place

Gap to fit snap-fit heads

Narrow neck for rotation

Final Wall Construction:





Final Design



Joint Detail