



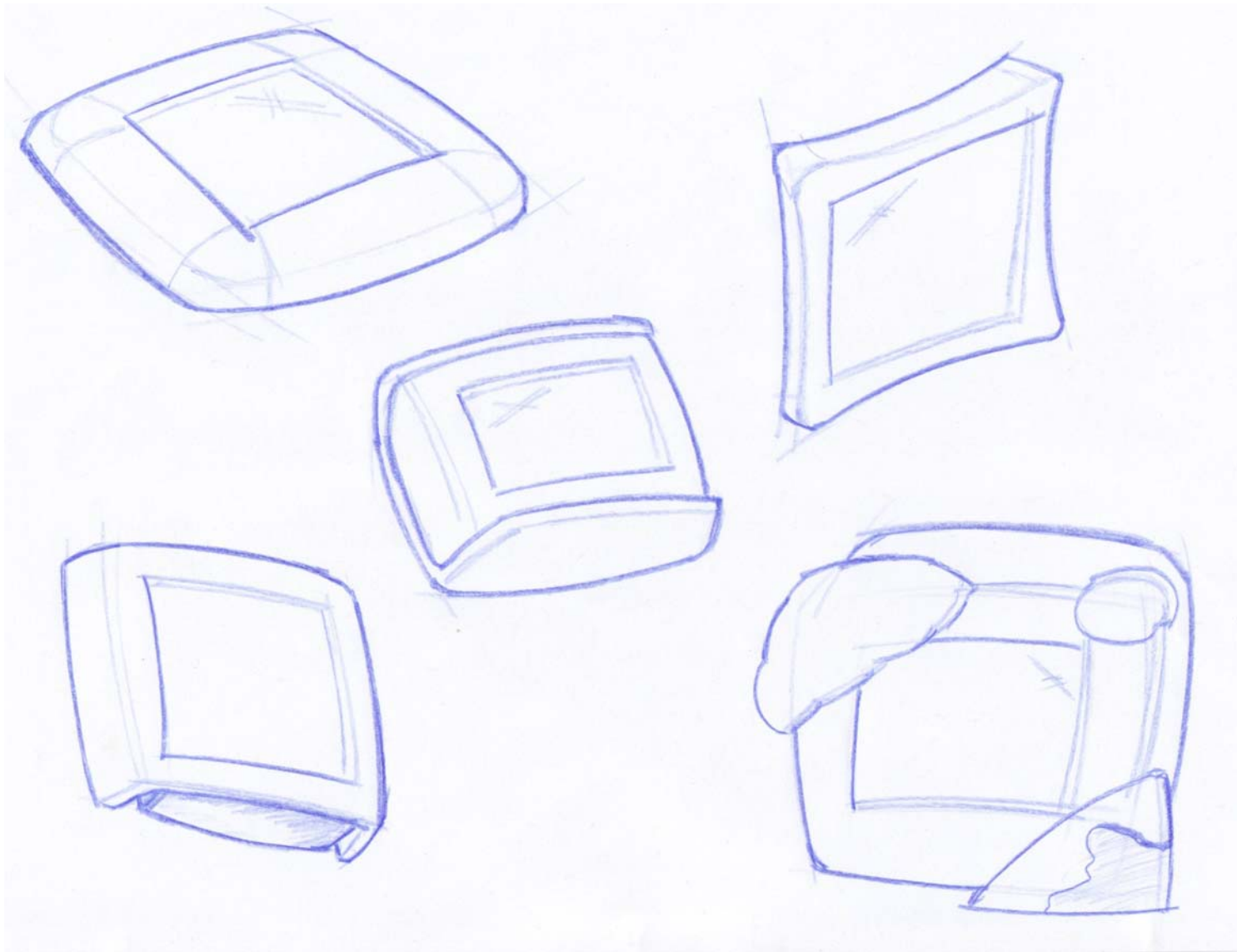
Concept Generation #2

Casing & CAD Concepts

ARC Communication Board Group
Assistive Technology Track

Form Explorations

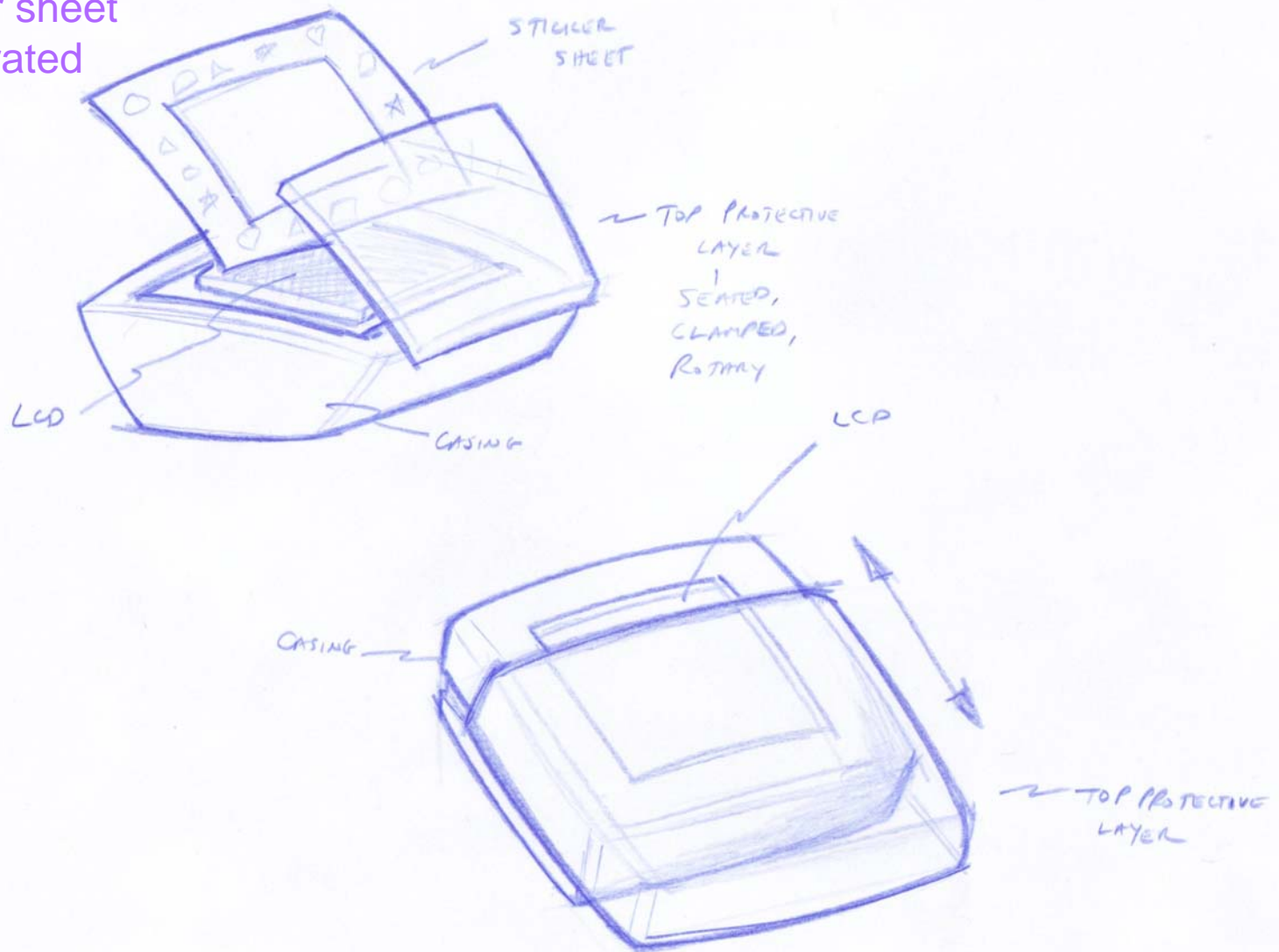
Searching for a “fun” shape that appeals to the customer & yet integrates easily with the current design



Cover Concepts

Different methods for inserting a sticker sheet that can be decorated by the customer:

- seated
- clamped
- rotary
- sliding

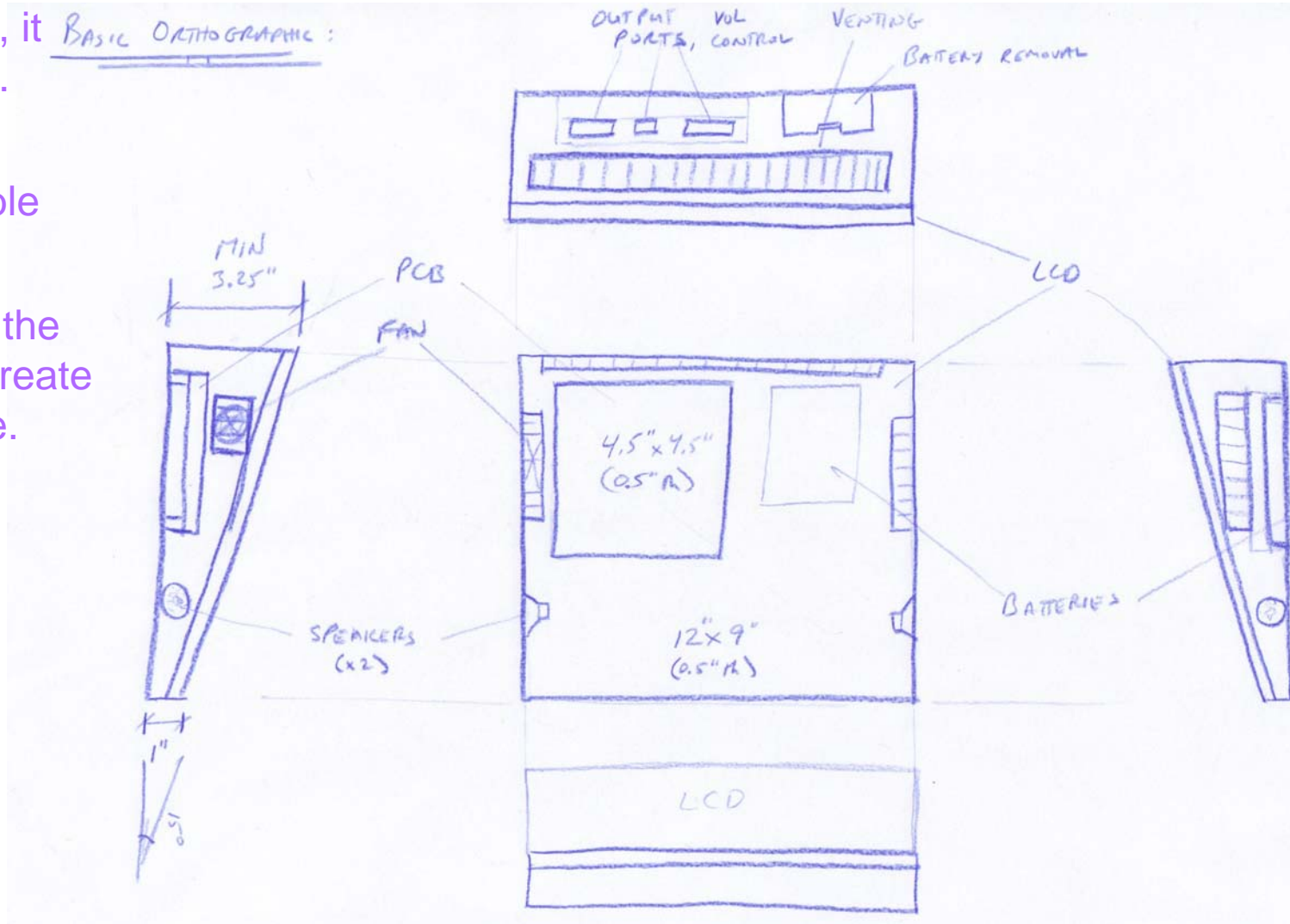


Basic Layout

Designed at a small angle so when it sits on a flat surface, it decreases glare.

Battery, volume, & ports accessible from rear panel.

Vents set up off the bottom to help create water-resistance.



Basic Assembly

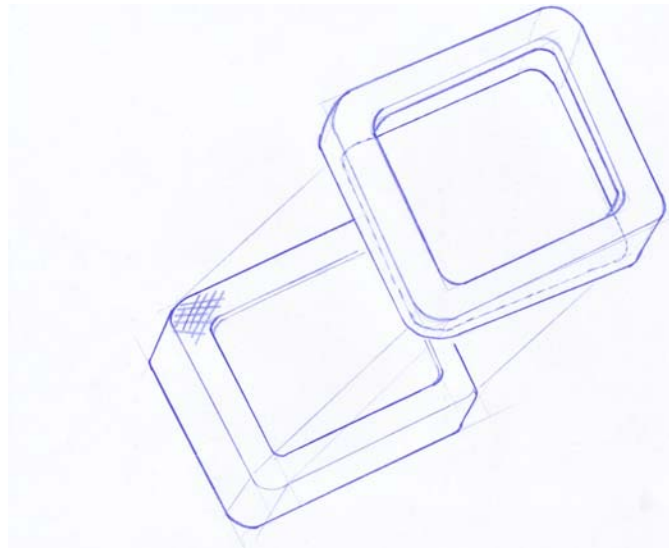
1) Box & Parts + LCD



2) LCD Box + Stickers

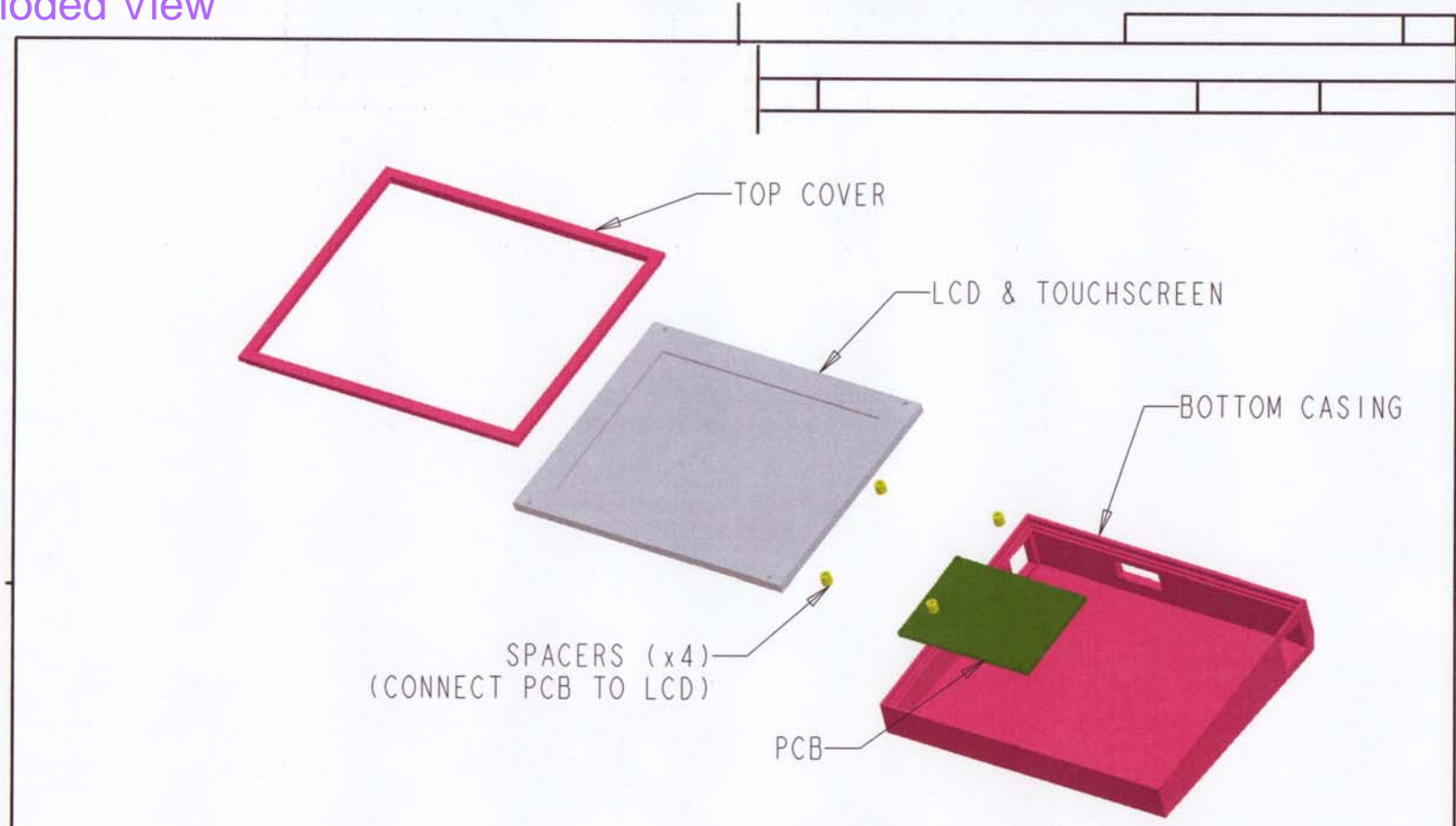



3) Sticker Box + Plastic Top



CAD Assembly Concept

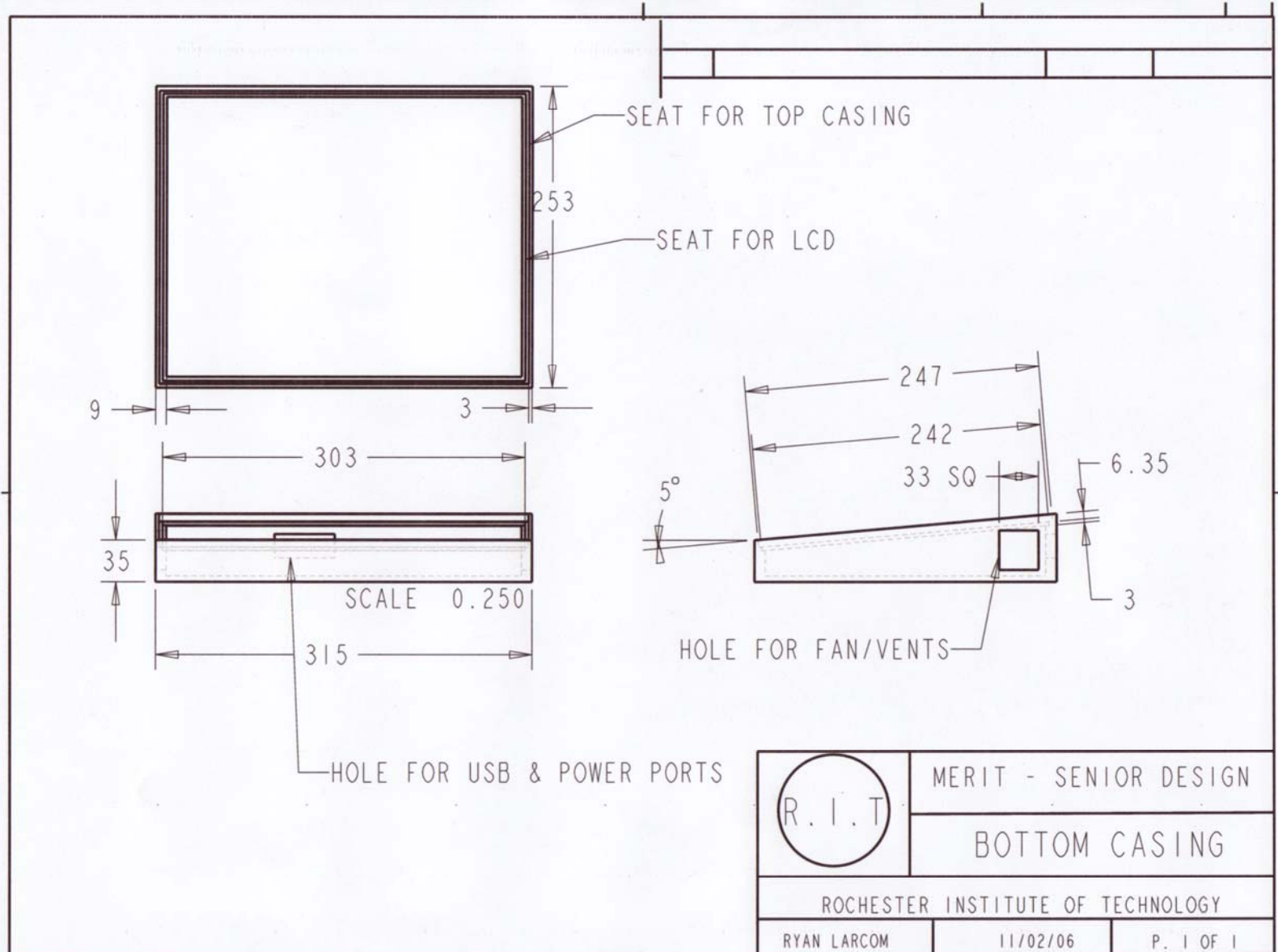
Exploded View



	MERIT - SENIOR DESIGN	
	EXPLODED VIEW	
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CAD Assembly Concept

Bottom Casing Design



Review & Summary

- **Form Studies:** need to decide on a direction & make a few foamcore mockups
- **Cover Concepts:** need to choose a design & create in CAD
- **Assembly:** drawn & created in CAD, now need to get accurate dimensions from ordered parts & integrate into design
- **Get customer feedback!**