Assignment 2a
Sept 16, 2003

Developable Boxes

This assignment is due in class Monday, October 20th

Design Challenge
The challenge is to build two sets of models of paper and of clear acetate all of non planar developable surfaces. The first model must be a minimum of six sides, it can be a six sided box each side constructed of a non planar surface (curved). In other words each side must have at least one curve – no flat sides. The second model must be constructed of two boxes also created of developable surfaces. The second box can be smaller or larger than the first, it can also be at an angle to the first box or orthogonal. Each box should be approximately 5” in maximum length or square. I would encourage you to make more than two boxes but two is the minimum.

Models
Cut the models in paper first as a test, then in clear acetate. Glue pieces with a hot glue gun, neatness counts!

fig. 1 Finished models constructed of colored acetate

Bring models to class.
Point of Purchase for supplies
Paper & Acetate – Bob Slate Stationary Harvard Square
1288 Massachusetts Ave. In Harvard Square

fig 2. Developable model

Final Model
a. One 6 sided (or more) model of with no planar sides (this is called a "Developable Box")
b. One model build of two developable boxes (both boxes of 6 sides or more)

Supplies
24lb Paper (Maximum is 24 lbs – No bristol board, No Cardboard, No metals)
Acetate Sheets
Hot Glue Gun