MIT OpenCourseWare
http://ocw.mit.edu

4.500 Introduction to Design Computing
Fall 2008

CAD/CAM in the Design Process

4.500

Presentation #2

3D Modeling

Model displays the dominance of the southern windows

Addition of chimney anchors design, draws the eye

3D Modeling

Roof Surface, certain walls too thin, led to breaks

In order to reinforce walls, needed to simplify balloon framing details and window/door frames

Laser Cut Model

Construction model translated to laser cut model almost exactly
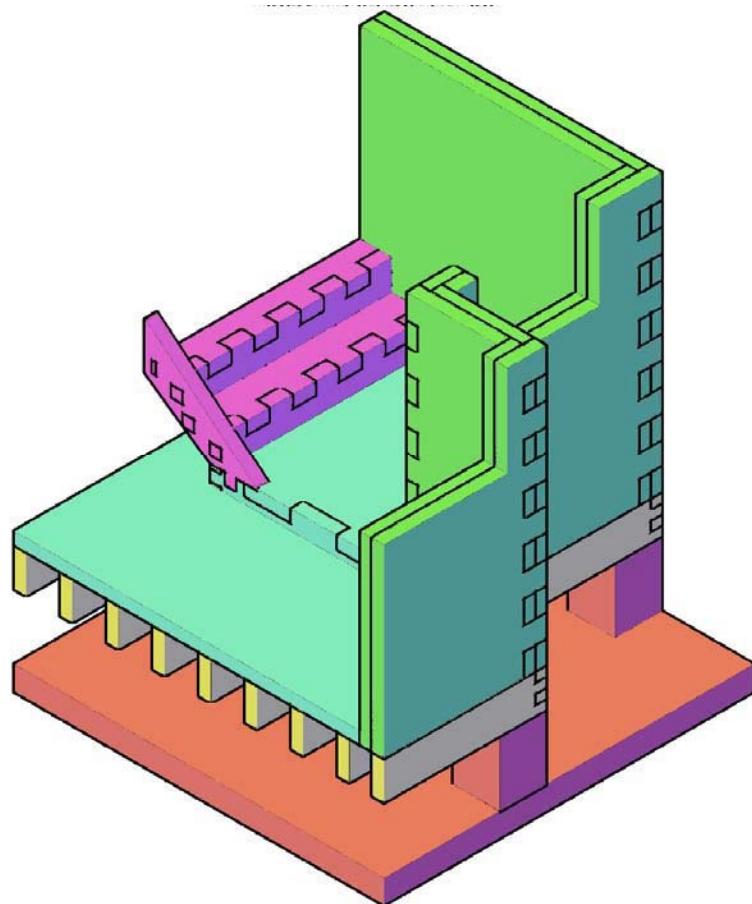
Chose this section to show a corner with windows, the landing and stairs, and floor structure
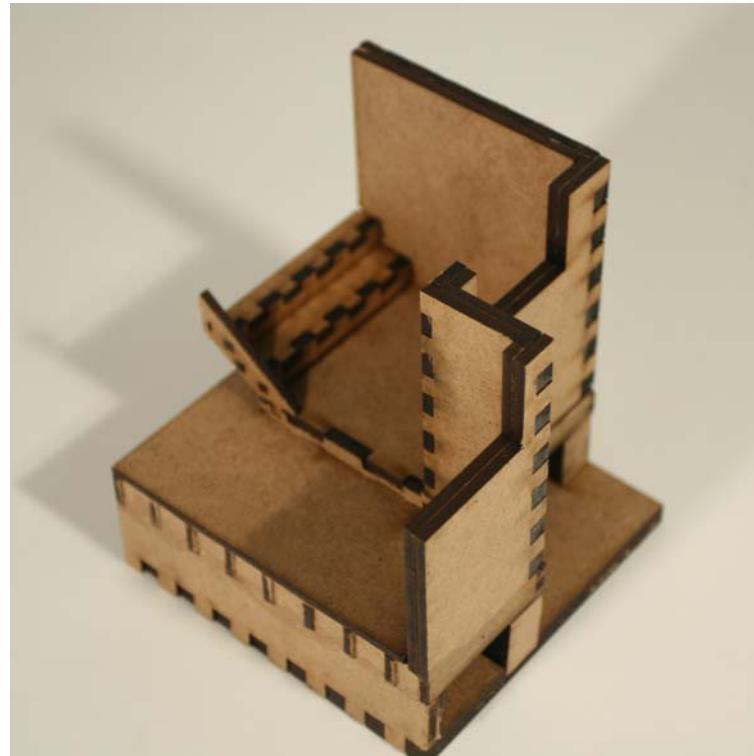
Laser Cut Model
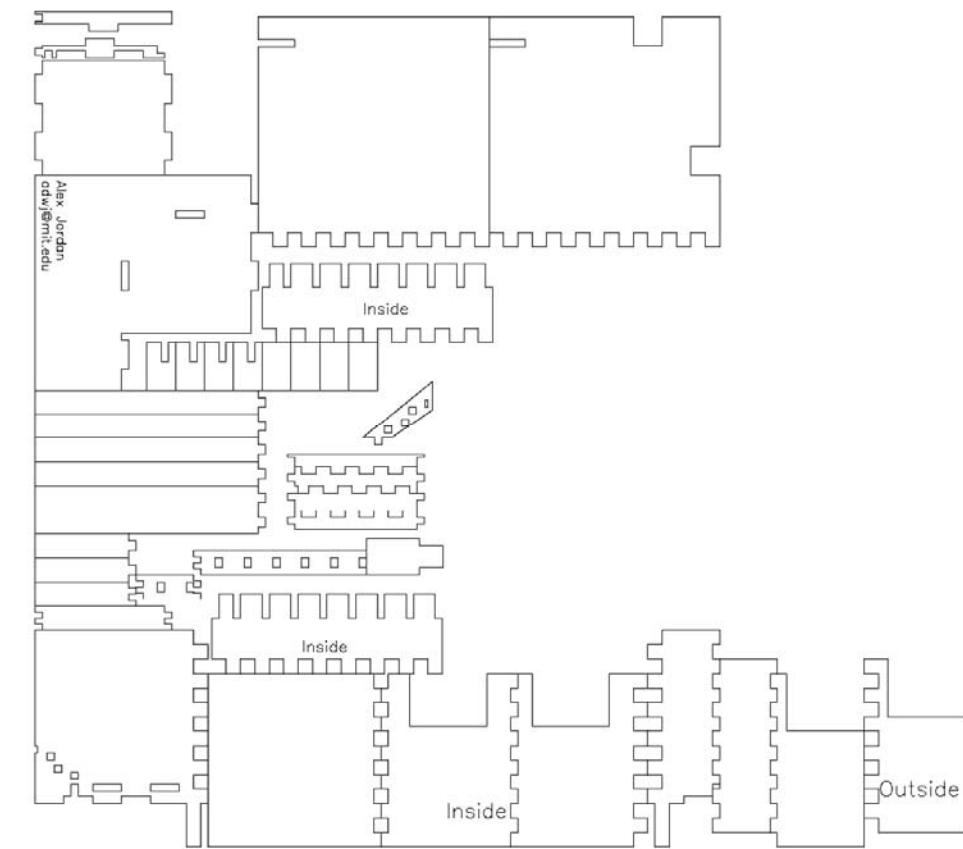
Biggest challenge adding support where there is none in full model

Rain Screen Cutsheet
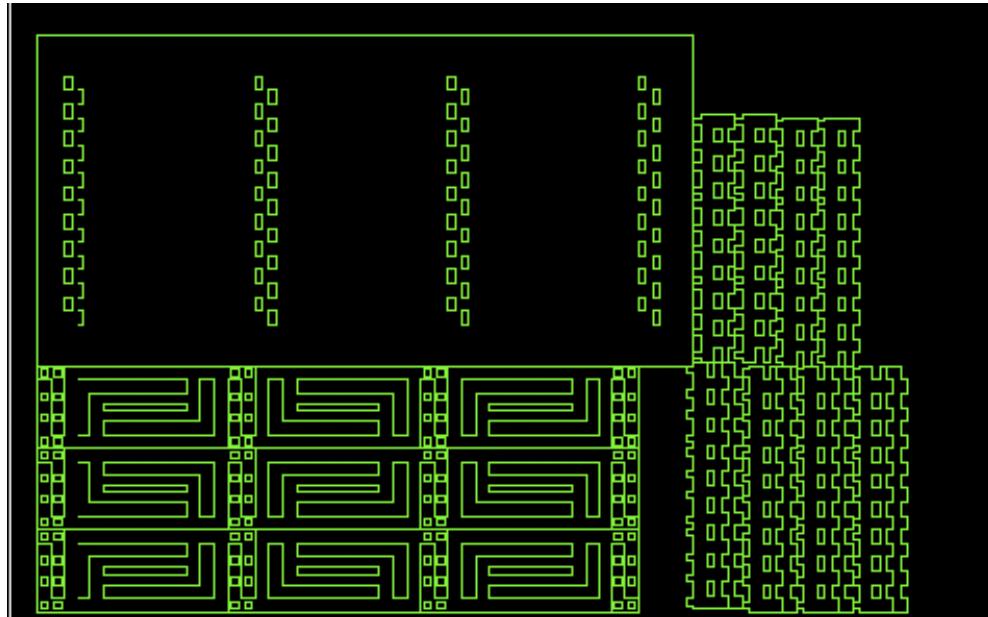
Tiles of rain screen evoke rectangular sections of colonial style siding. Right angle interlocking of tiles and variation between tiles adds interest.