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4.500 Introduction to Design Computing  
Fall 2008

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# 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

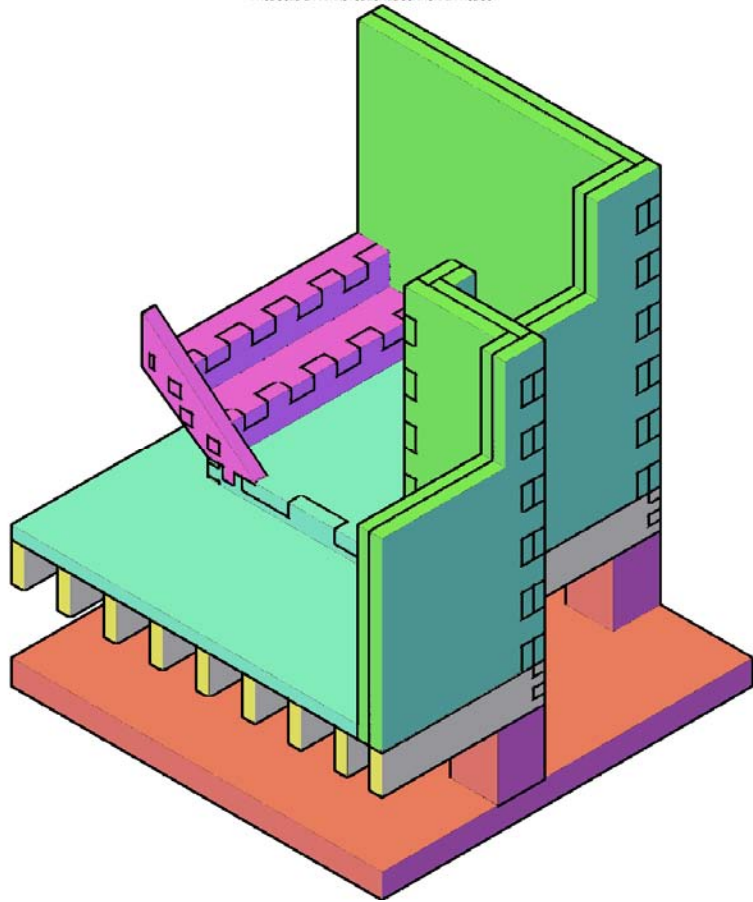


Roof Surface, certain walls too thin, led to breaks

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



# Laser Cut Model

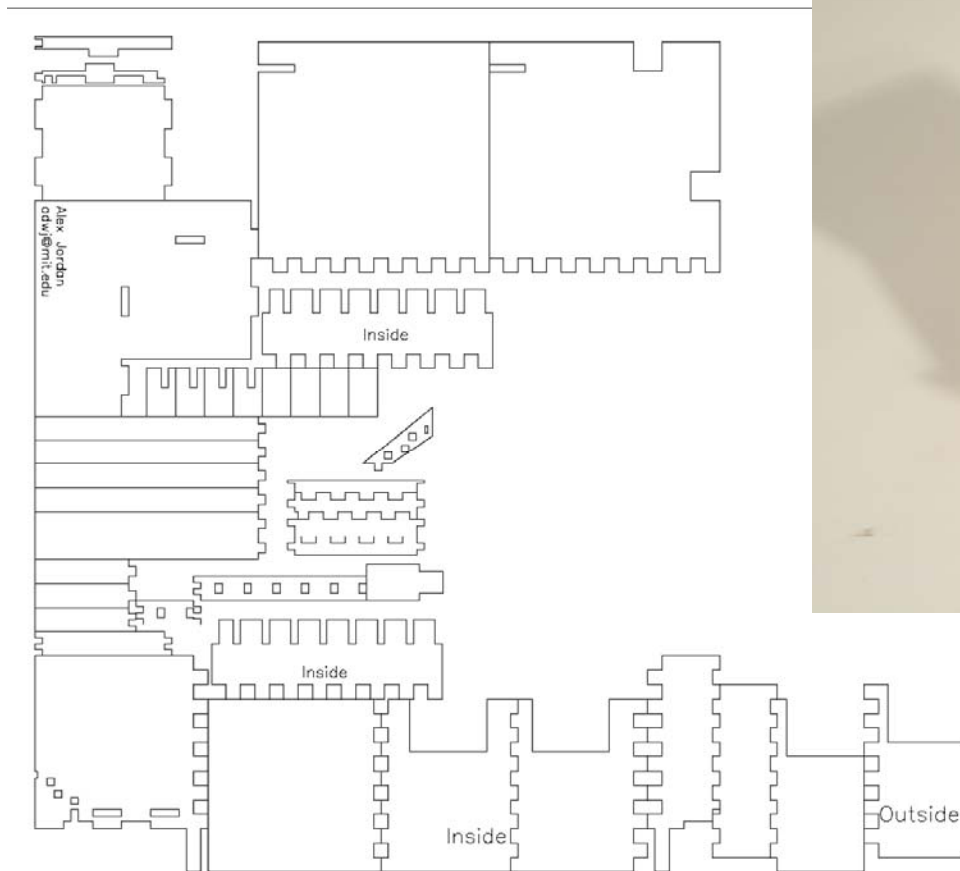


Chose this section to show a corner with windows, the landing and stairs, and floor structure

Construction model translated to laser cut model almost exactly

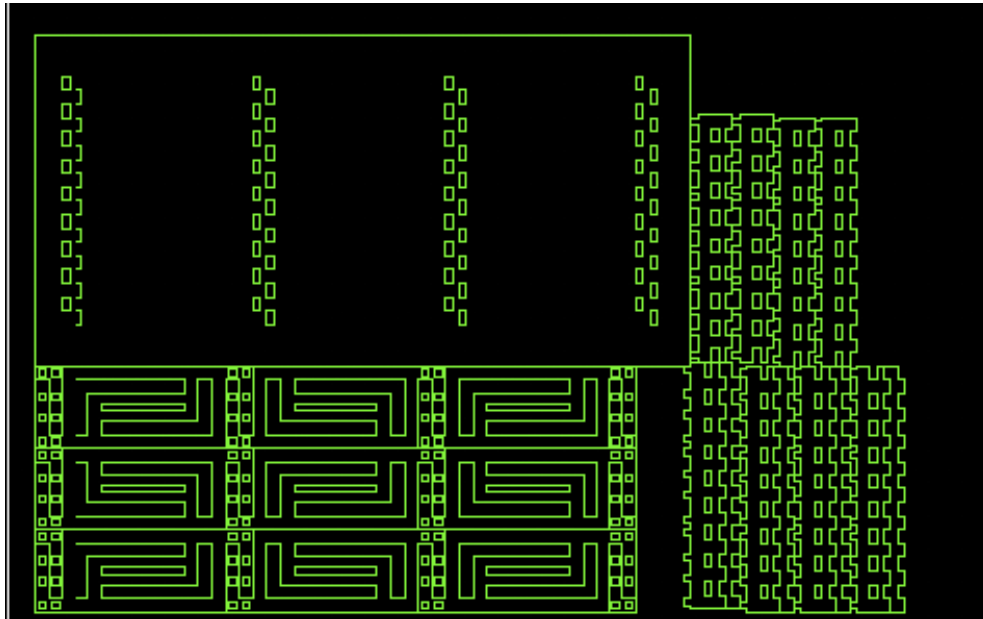


# Laser Cut Model



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.

