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4.510 Digital Design Fabrication
Fall 2008

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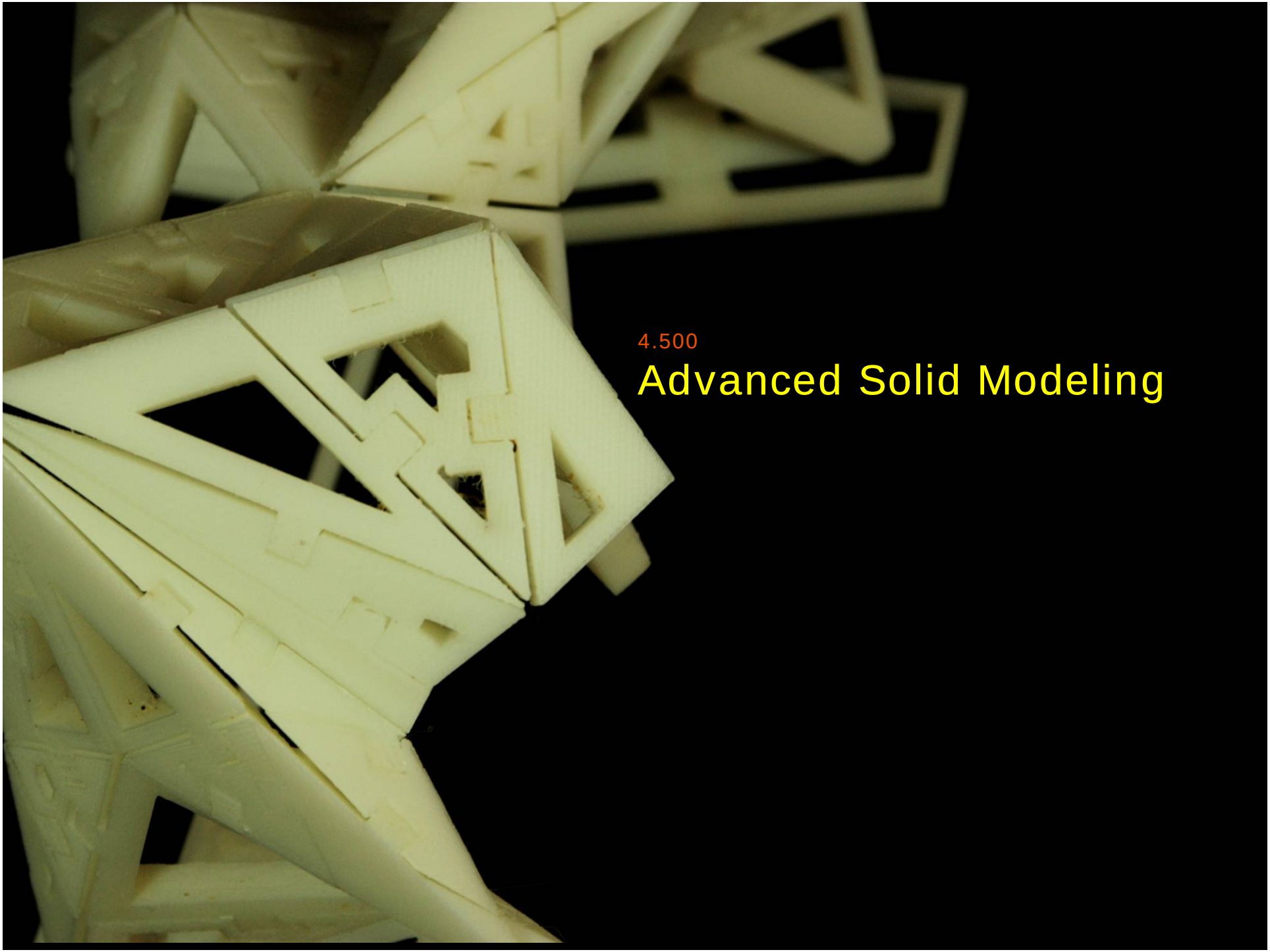


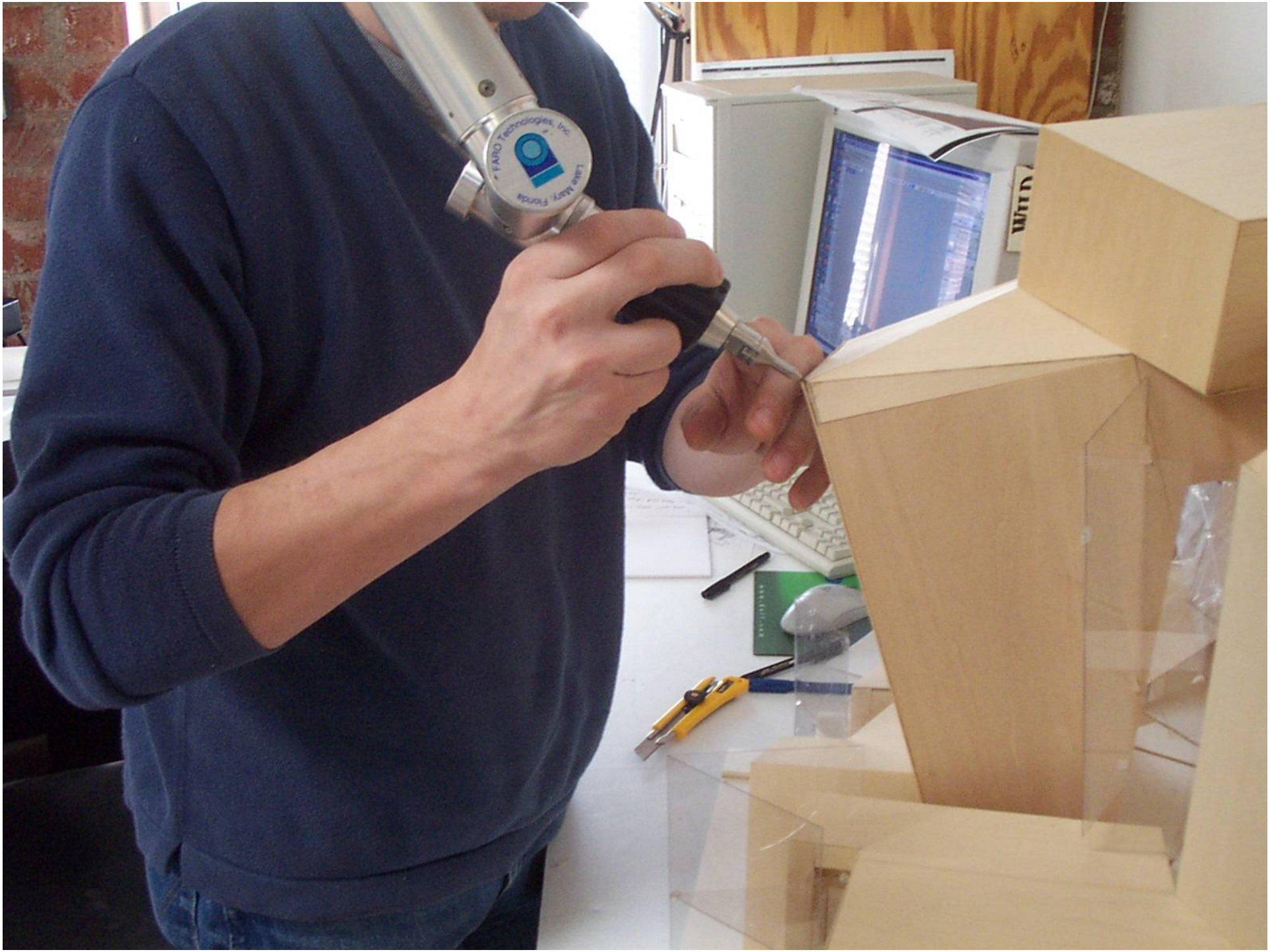
4.500

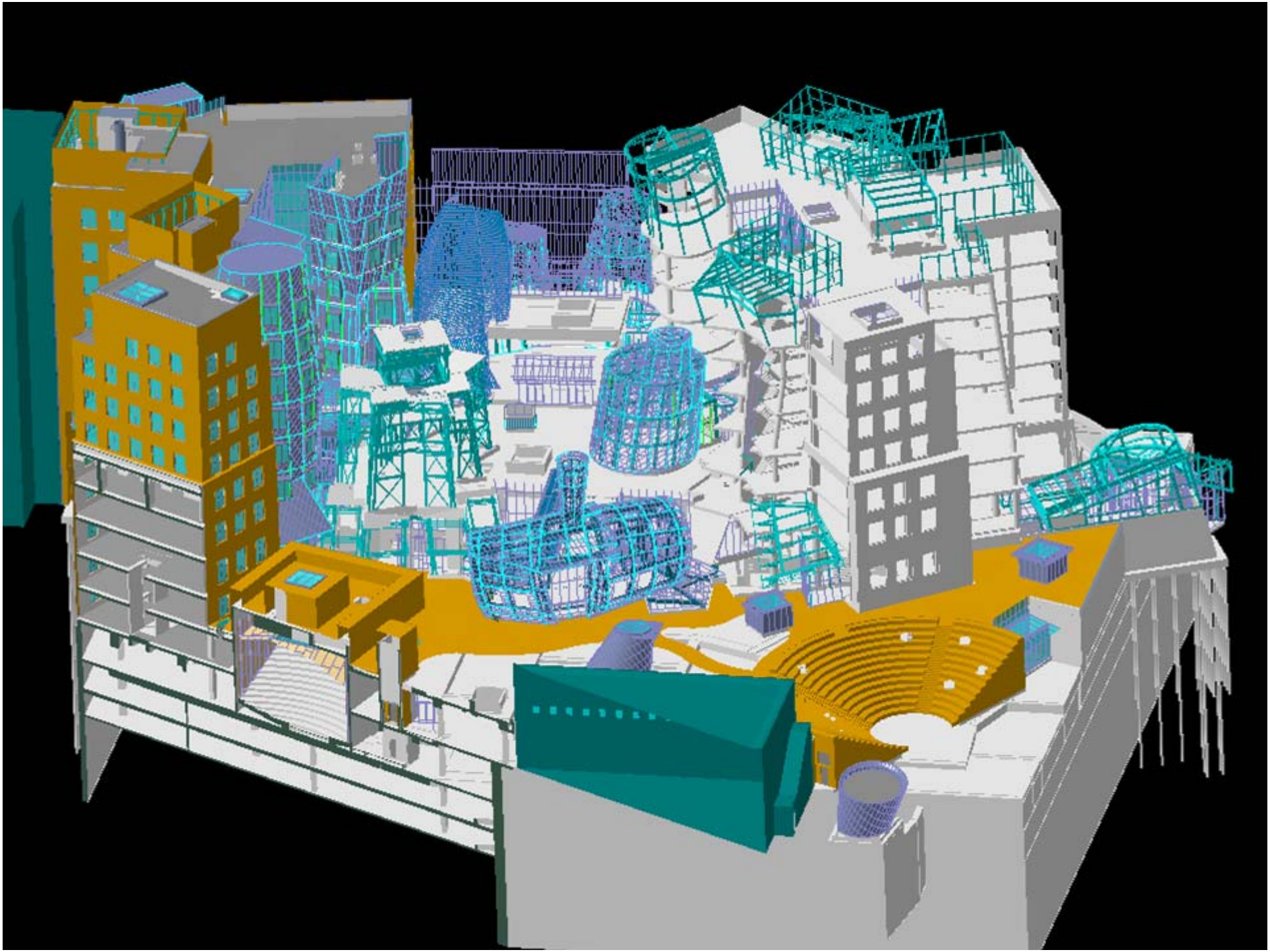
Advanced Solid Modeling

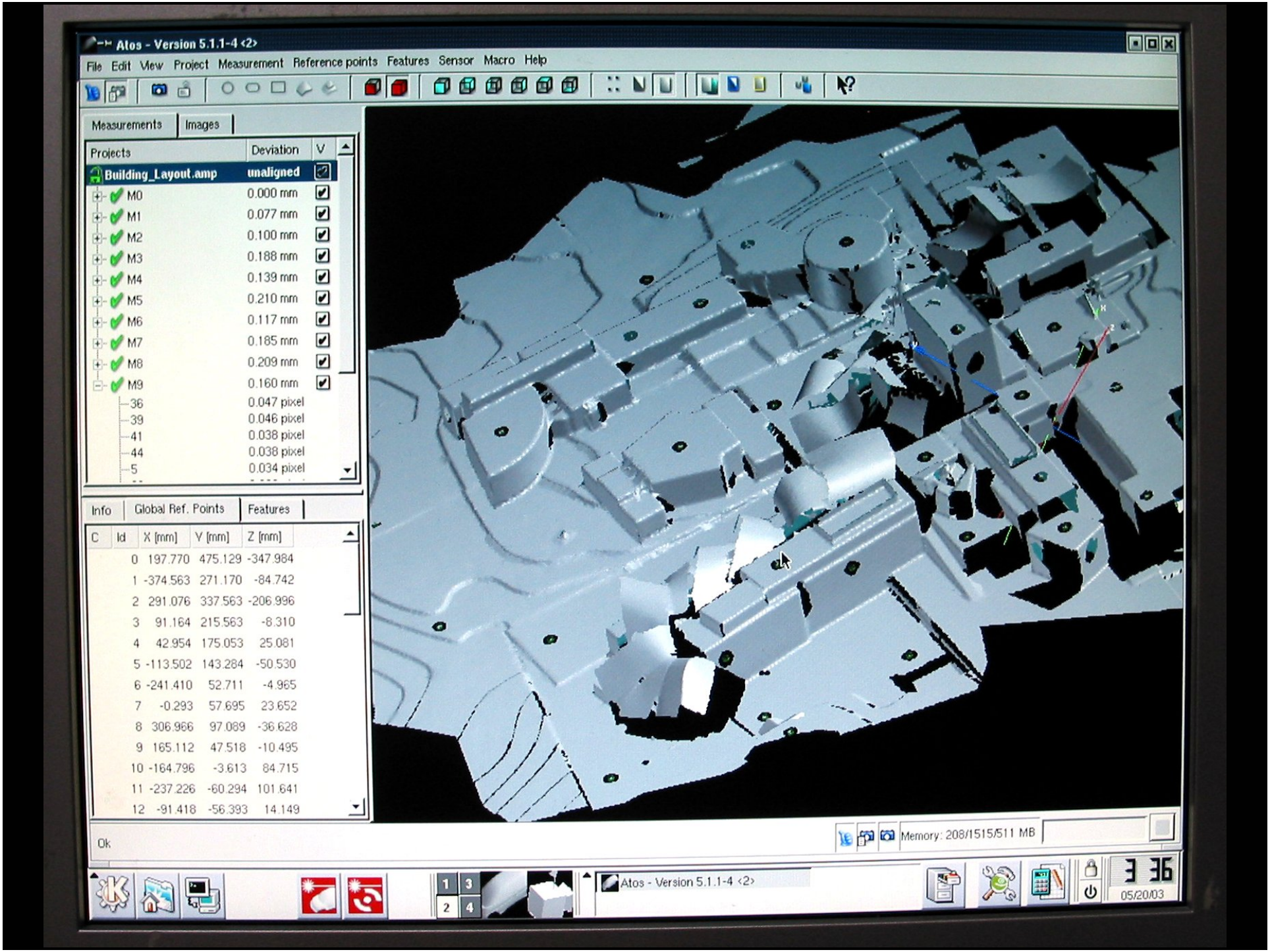
Lecture 3

Professional Applications

IMPRESO


FARO Technologies, Inc
Lake Mary, Florida

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Measurements Images
Projects Deviation V
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M1 0.077 mm
M2 0.100 mm
M3 0.188 mm
M4 0.139 mm
M5 0.210 mm
M6 0.117 mm
M7 0.185 mm
M8 0.209 mm
M9 0.160 mm
36 0.047 pixel
39 0.046 pixel
41 0.038 pixel
44 0.038 pixel
5 0.034 pixel
Info Global Ref. Points Features
C Id X [mm] Y [mm] Z [mm]
0 197.770 475.129 -347.984
1 -374.563 271.170 -84.742
2 291.076 337.563 -206.996
3 91.164 215.563 -8.310
4 42.954 175.053 25.081
5 -113.502 143.284 -50.530
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7 -0.293 57.695 23.652
8 306.966 97.089 -36.628
9 165.112 47.518 -10.495
10 -164.796 -3.613 84.715
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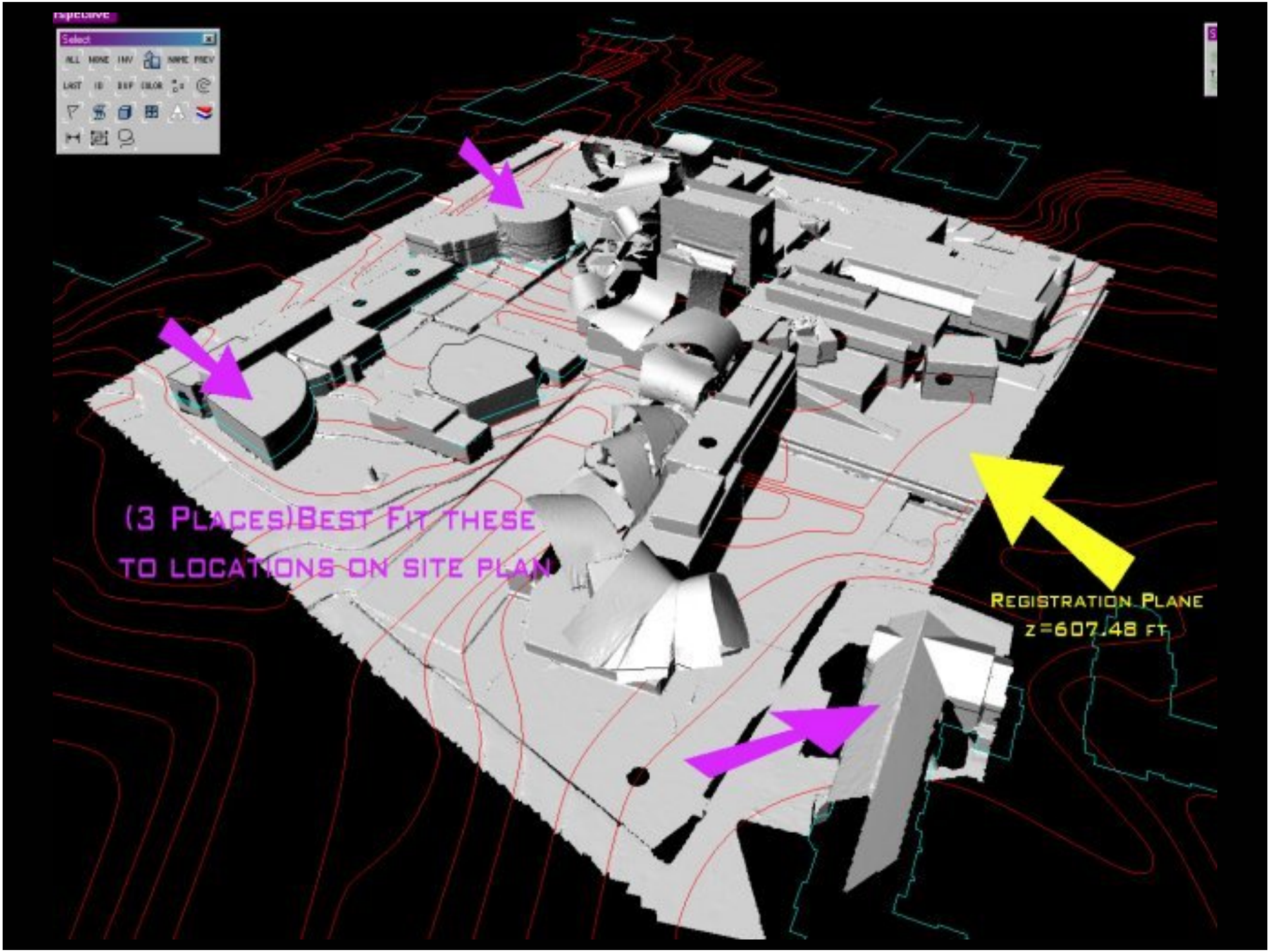
(3 Places)Best Fit these
to locations on site plan
Registration Plane
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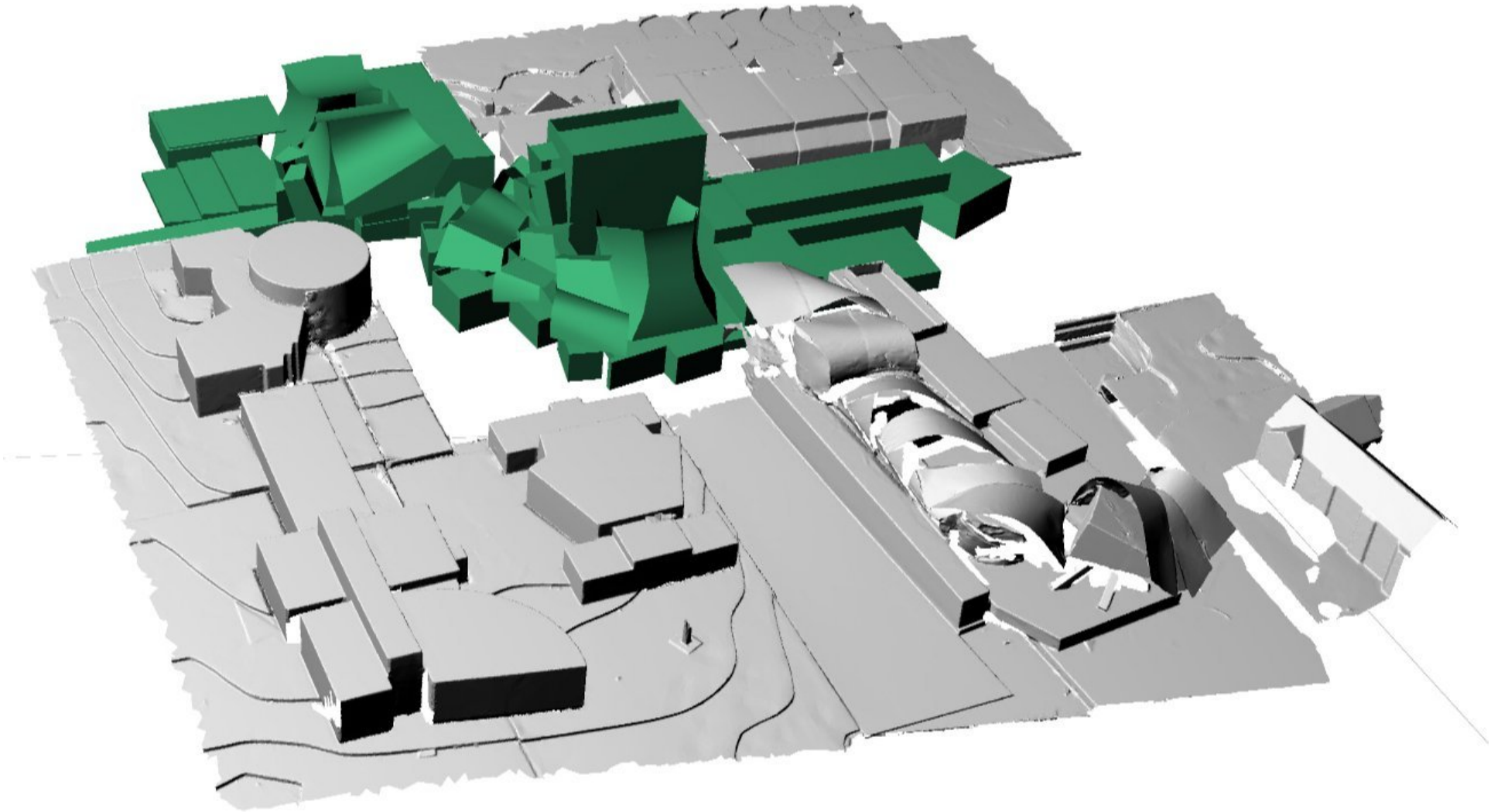

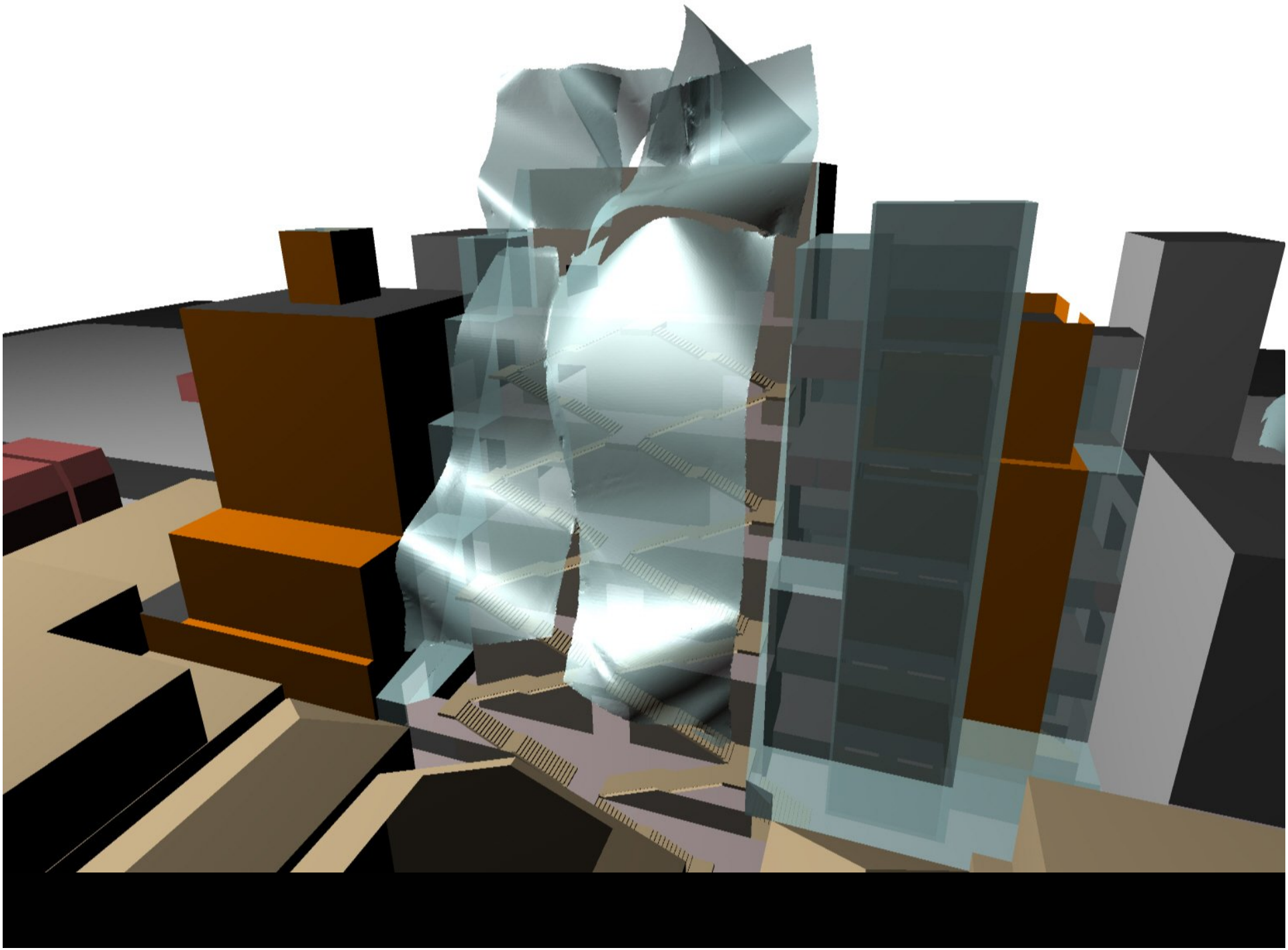

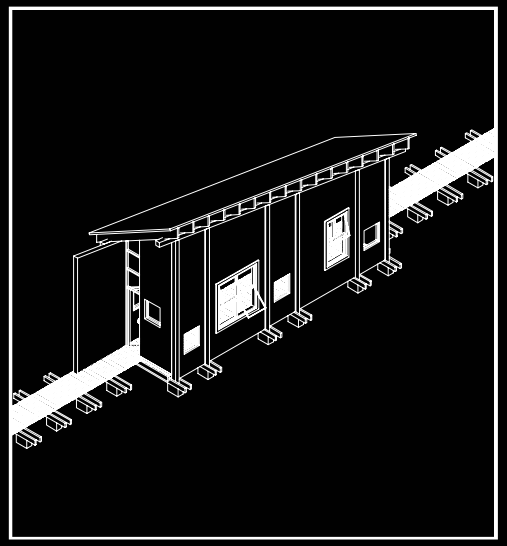

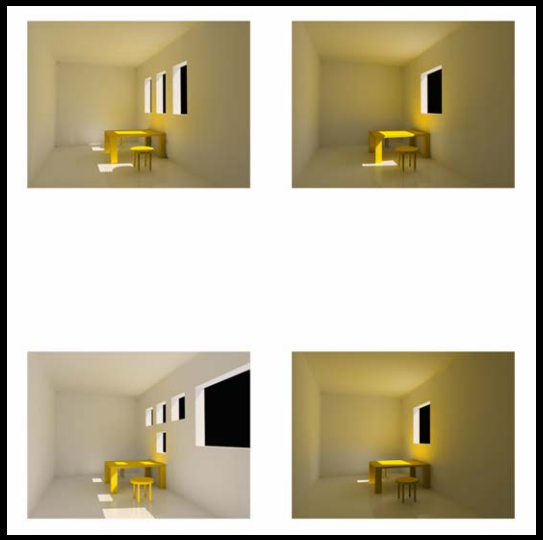

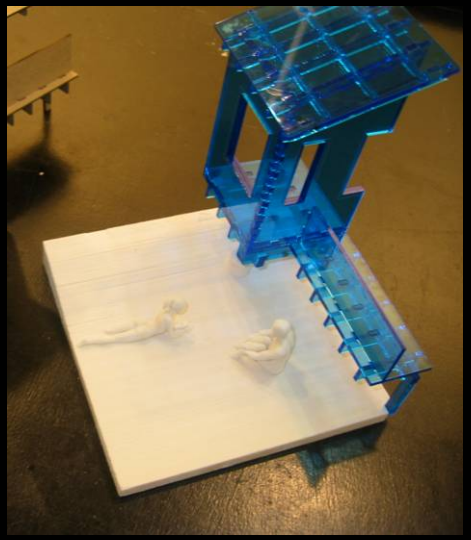

[a]

Study of Space

Programming & Schematics

COMPUTER DWG & MODELING

1 - Plan Drawing

2 - Formal Models

3 - Definition of parts, some construction, some materials

[b]

Study of Objects & Surfaces

Design Development

RENDERING

4 - Shade and Shadow – General Lighting

5 - Study of lighting - Radiosity

6 - Study of Materials - Textures

[c]

Study of Construction & Components

Construction Documentation & Admin

DIGITAL FABRICATION

1 - Definition of all parts and components

2 – Model Scale

3 – Construction & Assembly