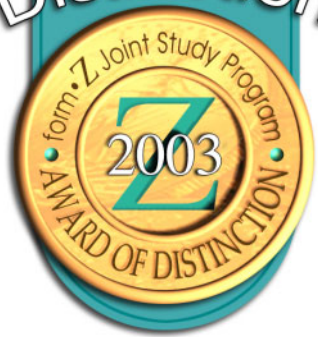


Award of Distinction



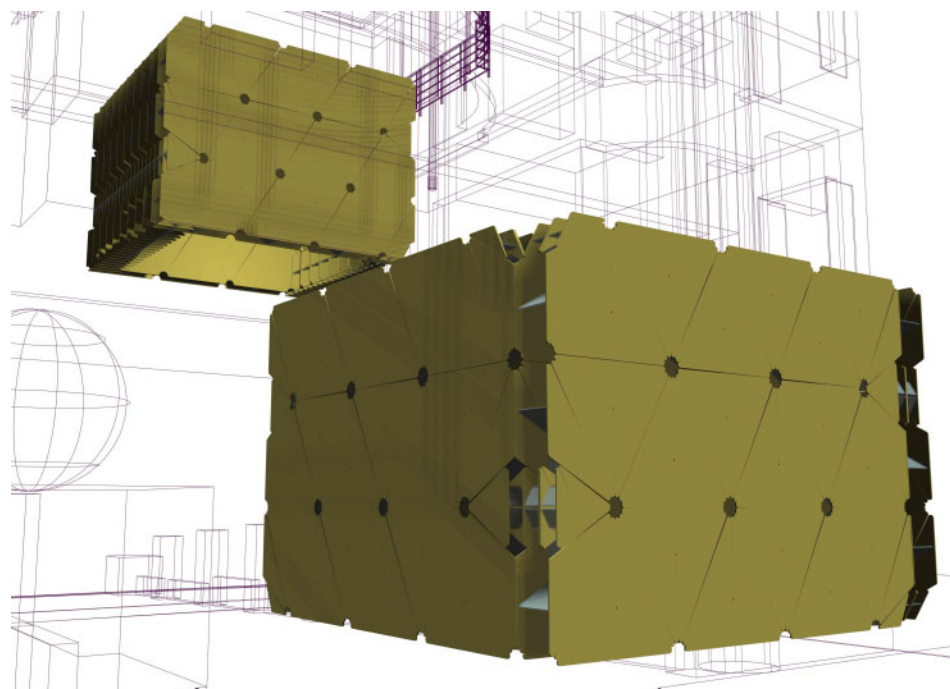
Project Title: **Mass Customization**
 Students Names: **Class Project**
Students: Thomas Bell, Jacob Benyi,
 Andrew Campanaro, Winfred Fitzgerald,
 Jeremy Haws, Troy Huffer, Jay Janda,
 Tomas Joseph, Sang Kim, Curt Kremer,
 David Logan, James Luczkovich,
 John Medcalf, Robert Merrill, and Daniel Smith
 Level: **4th Year**
 Course: **ADE 422**
 Advisor/Instructor: **Terry Surjan**
 Principal Investigator: **Scott Murff**
 Department / School: **Department of Architecture**
Arizona State University, Tempe, Arizona

Summary description of project:

The project began as a digital modeling exercise which becomes physical and full-scale in the end. **form•Z** is where all the 3D modeling was done and then all files were exported as STL's. The STL's were sent to the CNC milling machines for output. In the end over 600 units and 2400 parts were manufactured.

Reasons for the nomination:

This project is the only one I can remember going from digital space to 'real' space. The students had the opportunity to build at full-scale for the first time in their careers. The final outcome is amazing on both a design and spatial level by all who have seen it.



Jury Comments

This is one of the few schemes that exploit the power of exporting the model into a physical end product. This 4th year student translation of design intentions into a direct output demonstrates a seamless integration of design conception through fabrication. **form•Z** is used as a powerful visualization tool in the design process at 1:1 scale, and then used to export the model to directly fabricate the finished pieces at 1:1 scale. This use of **form•Z** for both visualization and exporting to fabrication is going to be a much more widely used strategy for future design schemes, and innovative projects such as this one will help point the way, and are worthy of merit in the Joint Study Program.
 - Kevin R. Klinger

