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4.510 Digital Design Fabrication  
Fall 2008

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# Assignment 6

Nov 24, 2008

## *Error Detection & Correction Prototyping* *Prof. Larry Sass*

*The completed assignment is due in class and posted on Stellar, Monday, Dec 8 @ 3PM*

*+++++ We will meet in Room 9-255 for the final presentation +++++*

### 1.0 INTRODUCTION

Now that you have built a study model of one surface of your design it is time for formalize the process of making with a library of components and rules for application. The results of a formal process will allow anyone to generate the geometry of your bus stop. A formal system for fabrication is broken into two areas: components and rules

### 2.0 LIBRARY

First is clarity of geometric elements in the form of a library of parametric components. For this project library components makeup the surface and the structure and should be applied as structure first. A water proofing layer can be added between the structure and the final surface. The goal of this assignment is learning by designing, construction of the design and reflection on the design.

### 3.0 APPLICATION RULES

Second are rules for application of the library components to an initial shape. These rules will help guide the modeling process in a way that reduces redundant modeling. Because we are dealing with shapes we can apply rules as addition, subtraction or sub-dividing functions.

### 4.0 REFLECTION

The most important part of the process is reflection and a system for changing the design of library components or the initial shape model. Create a method of reflection that shows how you make best judge from results models.