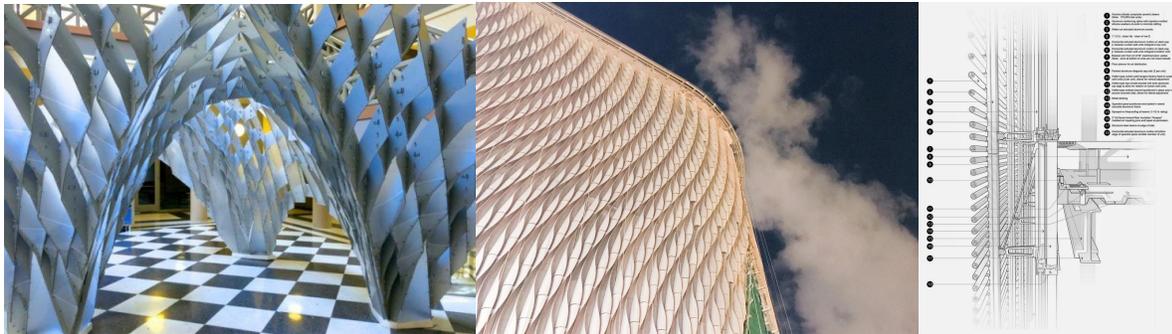


Graphics I_EVDA 541_ARST 451: Boutin + Parker Fall 2017

Assignment 9: Measuring and Documenting, Designing and Fabricating a Situated Assembly

Assigned: 2017.11.20

Due: 11:59 PM, 2017.11.26 (Measuring, Documenting, Designing), 11:59 PM, 2017.12.03 (Fabricating)



Description and Discussion:

The act of intervening in a particular context requires a series of steps leading to an awareness of context, an awareness of intention, an awareness of appropriate form, and finally, the capacity to fabricate the designed element. This assignment collapses these steps into two related exercises towards the goal of designing an intervention in Room 2160.

Room 2160 has recently undergone a renovation with one of the more prominent features being an “eroded” corner at the room’s entry. This corner, which is fully glazed from floor to ceiling, is also at the intersection of a fairly busy space of passage directly outside the door. This condition creates a potential for distraction for both students and lecturing faculty.

You are to form in teams of 3 – 4 students and design and fabricate a situated assembly that addresses the potential need for visual attenuation in Room 2160.

Procedure:

The project to create a visual attenuation assembly for Room 2160 is to occur as follows.

Students are to form into teams of 3 – 4 students, and to create their team name and logo.

Step 1: (Measuring) Precisely measure the area around the “eroded” corner entry, including the two intersecting walls, ceilings, glazing, etc. Ensure you measure and document enough context for the design and documentation process.

Step 2: (Documenting) Create a set of cross-referenced contract documents that precisely outlines in plan, sections, elevations, reflected ceiling plan the entire space that requires understanding in order to design and fabricate an intervention. All drawings are to be dimensioned and cross-referenced. Plan your drawings to be easily understood through their layout. Create a drawing border as well as a drawing title block that includes your team name and logo, names of authors, scale, etc. A good test of the quality of the drawings is to ask yourself can someone else build the existing space with the drawings you have created?

Step 3: (Designing) Using the contract documents as a basis, design a situated assembly that can easily be inserted and fastened into the space in order to address the visual attenuation concern.

Each team is to clearly document and detail the situated assembly in drawings that can be used to Create descriptive drawings of the design as well as fabrication drawings that clearly identify how to fabricate the different components of the assembly. A good test of the quality of the drawings is to ask yourself can someone else fabricate the situated assembly with the drawings you have created?

Step 4: (Fabricate) Build a model of the situated assembly within the space of the existing “eroded” corner of Room 2160 (1:20).

Deliverables:

1. Measurements of Room 2160 sufficient to create a set of precise descriptive drawings.
2. A cross-referenced set of descriptive drawings that illustrate the existing conditions of Room 2160, sufficient in scope and detail to describe the room to someone who cannot visit the space. Minimum: plan, reflected ceiling plan, all elevations (inside and outside of 2160), and sections at 1:50. Drawing set to include team name and logo, labels, scale.
3. Design drawings of the situated assembly: plan, sections, elevations, fabrication instructions and/or details, 3D representations sufficient to communicate its capacity to visually attenuate Room 2160. Overall drawings at 1:50, details at 1:10.
4. A model of the existing eroded corner with the situated assembly inserted, with sufficient context to understand the visual attenuation challenge (1:20)

Post Measuring and Designing deliverables to your blog by 11:59 pm on Sunday November 26, 2017, and pin up in Room 2160.

Post Fabrication deliverables to your blog by 11:59 pm on Sunday December 3, 2017, and bring to the EVDS Gallery on Monday December 4, 2017.

