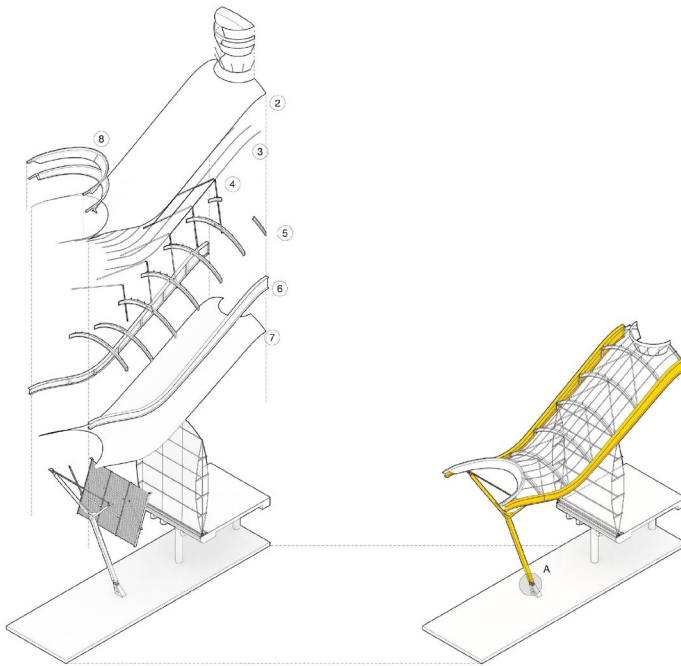




Carnegie Mellon University

School of Architecture
College of Fine Arts, CFA 201
Carnegie Mellon University
Pittsburgh, PA 15213



Structure/ Enclosure Assembly: Joel McCullough

48-400: Architecture Design Studio – Praxis Studio III

Units: 18

Instructors: Gerard Damiani, Hal Hayes, Stephen Lee, Jill Swenson

Building as Anatomy

This studio is the capstone of your undergraduate education and is an opportunity for you to integrate the various technical aspects of your professional degree to date. The studio project will be based on the integration of the core aspects of building as a constructed assembly. The following items will be drawn as an integrated assembly and isolated as parts that contribute to the whole.

- Structure - framing and material
- Foundation - type, depth, seismic rating
- Fenestration/ window types and effectiveness (individual, curtain wall, fixed, operating)
- Envelope/ Sun Control/ Daylighting - components as assembly
- Heating, Ventilation, air conditioning (HVAC)
- Utilities - water, electricity, services
- Access/ Egress - doors, stairways, ramps, elevators, loading docks
- Emergency - fire suppression, sprinklers, fire dampers, fire-rated assemblies & fire isolation

Prerequisites: The successful completion of 48-305: Architectural Design Studio – Praxis Studio II.