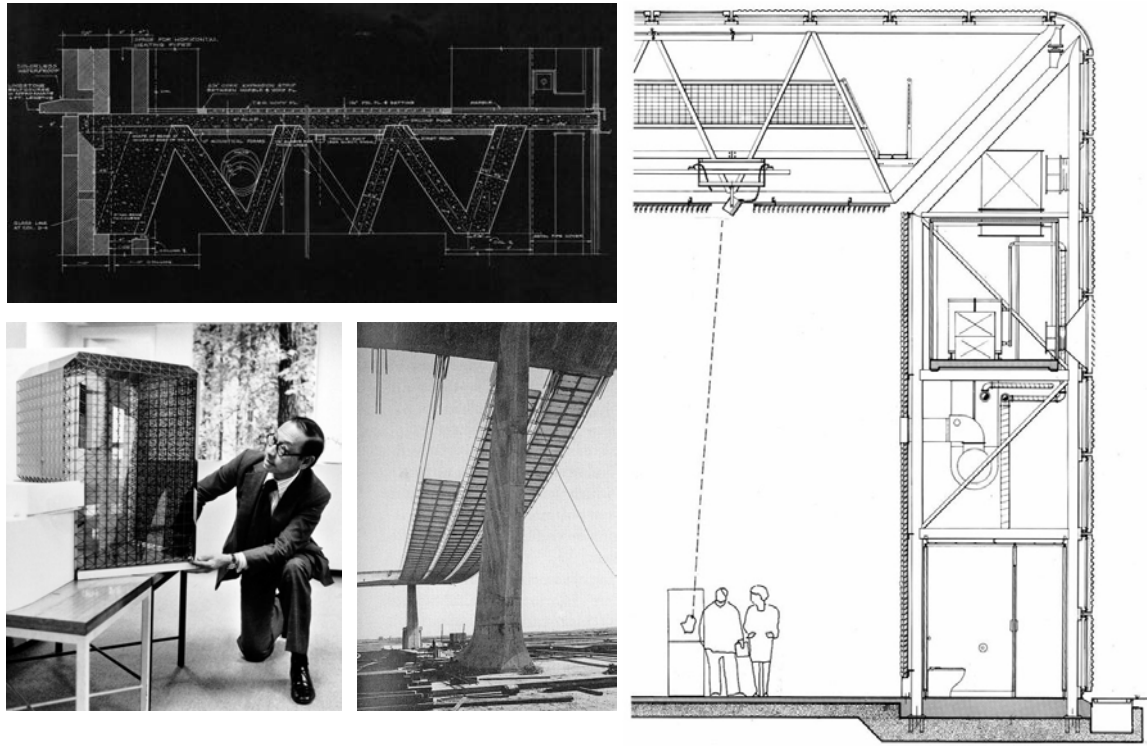


ARC2014: Design Studio 4 – Comprehensive Building Project
Winter 2026
Course Coordinators: James Macgillivray and Aleris Rodgers

Instructor: Jon Cummings



Structure First

Expressing Construction Systems

We will be guided in our section of the studio by the *tectonic* trajectory in modern architecture. That means we seek beauty in legible building structures and construction. The programmatic requirement for long span indoor sports facilities provides an ideal opportunity for novelty of expression through an articulated roof form. We will explore various materials and structural systems through precedents in steel trusses, space frames, folded concrete slabs, tensile suspension roofs, and mass timber. The big move of the clear span structure will inform subsequent steps in the design process. We will extend our interests in expressed construction to the design of building mechanical and lighting systems, cladding and interior design elements, seeking exquisite design order. We will carefully detail joints, considering them as ornament.