Instructor: Thomas Gentry, Associate Professor, School of Architecture
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Time: Monday, 9:30 to 12:15

Place: Center City Building

Premises: One of the most challenging tasks architects face is the design development of building envelopes. The challenge is preserving the aesthetic responses established during schematic design, while addressing structural loads, thermal transmission, vapor migration, water infiltration, movement, and the effects of time.

Pedagogy: The goal of Design Development Detailing is to have each student master the ability to work creatively and insightfully with building envelope sciences - material and assembly - for the development of architecturally powerful design solutions. With that goal in mind, each student will cultivate the skills needed to investigate materials and assemblies, and to present their solutions. Utilizing a variety of resources, each student will produce: 1) visually rich axonometric drawings, similar those produced by Edward R. Ford; and, 2) color-coded orthographic projections detail drawings of the structural system(s), primary seal / weather resistant barrier / drainage plane, thermal insulation, and vapor retarder / barrier.

Throughout the semester every student will participate in pin-ups sessions to have their work reviewed by the instructor and their fellow students.

Presentation: At the end of the semester each student will prepare large format presentation drawings for review by faculty and guests of the School of Architecture.

Prerequisite: The course prerequisite is successful completions of ARCH 4301/5301 - Material & Assembly Principles.