# Arch 264: Final Project

## Individual Project

Choose a building that you understand the context, site, and program of. For example, use roof and wall constructions from a studio project, a favorite building, or some other real project. Then:

1. As an introduction, describe in one paragraph, the site, program, occupancy, etc of the building.
2. On a full page, provide a building/site plan sketch with orientation. Use notes on the drawing to highlight important features that you think will influence the micro-climate around the building and the exposure of the enclosure.
3. Sketch detail sections of *three* enclosure intersections with sufficient information to allow a builder to build and a plans reviewer to understand the intent of the design. Draw at about 1:5 scale, smaller if necessary, larger if acceptable. For example, three of
    a. a wall to roof
    b. floor junction with the wall (perhaps combined with d)
    c. a window to wall connection (sill or head and jamb)
    d. a wall to foundation detail at grade

    The control functions/layers (rain, air, heat, distribution, finish, etc) should be obvious/labeled on the drawing. Consider keying the drawing details to these heat, air, rain, and vapor type control functions using colour, line type, or labels. Clarity and accuracy will be rewarded, not length and aesthetics.
4. Provide a key section diagram through the enclosure at an appropriate scale (say 1:25 or 1:50) to identify where your 1:5 details are being drawn.
5. As a separate text document (perhaps two no more than 3 pages), describe in words the *technical* intent of the enclosure design (within the context of program, site, budget, climate, and culture) and specific issues of each detail (specifically how the support, control, and finish functions of the enclosures are met at each junction). Be sure to discuss the enclosure design principles listed in your course handout, i.e., the control functions of rain, heat flow, air flow, solar, movements and tolerances, vapour, etc.

Marks will be awarded based on the combination of *difficulty of the design problem* and the *quality of the design*.

Details on 8.5x11 are preferred, but 11x17 are acceptable if necessary for the project. Your name, student ID, and "ARCH 264-2005 Final Project" should be included on all of the individual sheets of paper that are submitted. Please collect your sheets with a permanent connection, such as a staple (don't use paper clips as they get lost in piles).

**Due Date: As decided in class**