

Phase II: Drawing *In-between* Materials & Experiences

Phase II is a precedent study focused on spatial and material threshold/transition as assemblies.

Process of analysis, synthesis and interpretation:

1. Base information collection, documentation and analysis: Take apart the precedent building into the following design components; exterior finish (floor, wall & ceiling), back-up wall, interior finishes (floor, wall & ceiling), windows/doors, structure framing, foundation.

Mode of investigation: representational drawings / sketch models.

2. Synthesis: Study the logic of transition between inside and outside from spatial design and material performance perspectives. Identify “conflicts” between the design intention and performative requirements. Articulate how these conflicts are resolved in conjunction with transitional components (weather sheathing, flashing, coping, insulation, fireproofing, window treatments etc.)

Mode of investigation: representational drawings / diagrams / sketch models.

3. Interpretation: A design exercise to demonstrate the understanding by applying the knowledge in a very focused context.

You are to design a single **opening** to the precedent as an addition to enhance the experience of the building. Design and detail the opening as a threshold, as a material assembly for a moment of experiential transition while maintaining the thermal/moisture separation of the building envelop.

Mode of investigation: representational drawings / sketch models.

Product outcome for review:

1/2" = 1'-0" section detail basswood model articulating the logic of spatial and material threshold/transition of the opening.

Process models, drawings and diagrams drawn to scale as required.

The models must be impeccably crafted and precisely scaled.

The sectional model of a precedent will be a key exterior fragment of the building (i.e. corner, entrance, large window, etc.) The location and nature of the ‘cut’ will be determined with the instructors in the studio. The fragment model will need to be ‘self-supported’ as an individual artifact, therefore you must carefully consider the location of the cut relative to the material module, ‘spans’, bearing points, cantilevers, etc. The materials for the models shall be primarily achromatic. i.e. basswood, acrylic (‘plexi’)- clear or sandblasted, styrene, metal, etc. (we are not interested in literal material simulations, i.e. flecked paint for concrete, green grass, etc.)

List of Precedents:

*No more than two students on any one precedent. At least one student per category

Wood +

[Saint Benedict Chapel](#), 1988. Sumvitg, Graubünden, Switzerland. Peter Zumthor.

[Peninsula House](#), Melbourne, Australia. Sean Godsell.

[The River and Rowing Museum](#). Henley-on-Thames, Oxfordshire, England. David Chipperfield.

Concrete +

[Chapel of St. Ignatius](#), Seattle, WA, United States, 1994-1997. Steven Holl.

[Salk Institute for Biological Studies](#), La Jolla, California, Louis Kahn.

[Burnette Residence](#) + Studio. Phoenix, Arizona. Wendell Burnette.

Stone / Masonry +

[House in Riva San Vitale](#), Ticino, Switzerland, Mario Botta.

[Dominus Winery](#), Yountville, California, Herzog + de Meuron.

[Tongxian Gatehouse](#), Beijing, China, Office dA

Transparency / Translucency +

[House LE](#), Mexico City, Mexico. Enrique Norten.

[Ricola Europe Factory Building](#), Mulhouse-Brunnstatt, France, 1992-93. Herzog + de Meuron.

[Kunsthaus Bregenz](#), Bregenz, Austria. Peter Zumthor.

Metal +

[Weathering Steel House](#), Toronto, Ontario, Shim - Sutcliffe

[American Folk Art Museum](#). New York. New York. Williams-Tsien

References on Reserve:

Deplazes. *Constructing Architecture*. TA403.6.C659 2005 REF

Ford. *The Details of Modern Architecture* v.1,2. NA2840.F67 1990

Killory and Davids. *Details in Contemporary Architecture*. NA2840.D454 2007

Staib, Dörrhöfer and Rosenthal. *Components and Systems*. TH1098.S6913 2008

Herzog, Krippner, Lang. *Facade Construction Manual*. TH2235.H475 2004

Balkow. *Glass Construction Manual*. TH1560 .G58 1999

Bell and Kim. *Engineered Transparency*. NA4140.E46 2009

Watts. *Modern Construction: Facades*. TH2235.W37 2005

Moussavi and Kubo. *The Function of Ornament*. NA2840.F86 2006

Borden. *Material precedent: the typology of modern tectonics*. TA403.B67 2010