

Building with the Herbaceous Layer:
Environmental Education Centre

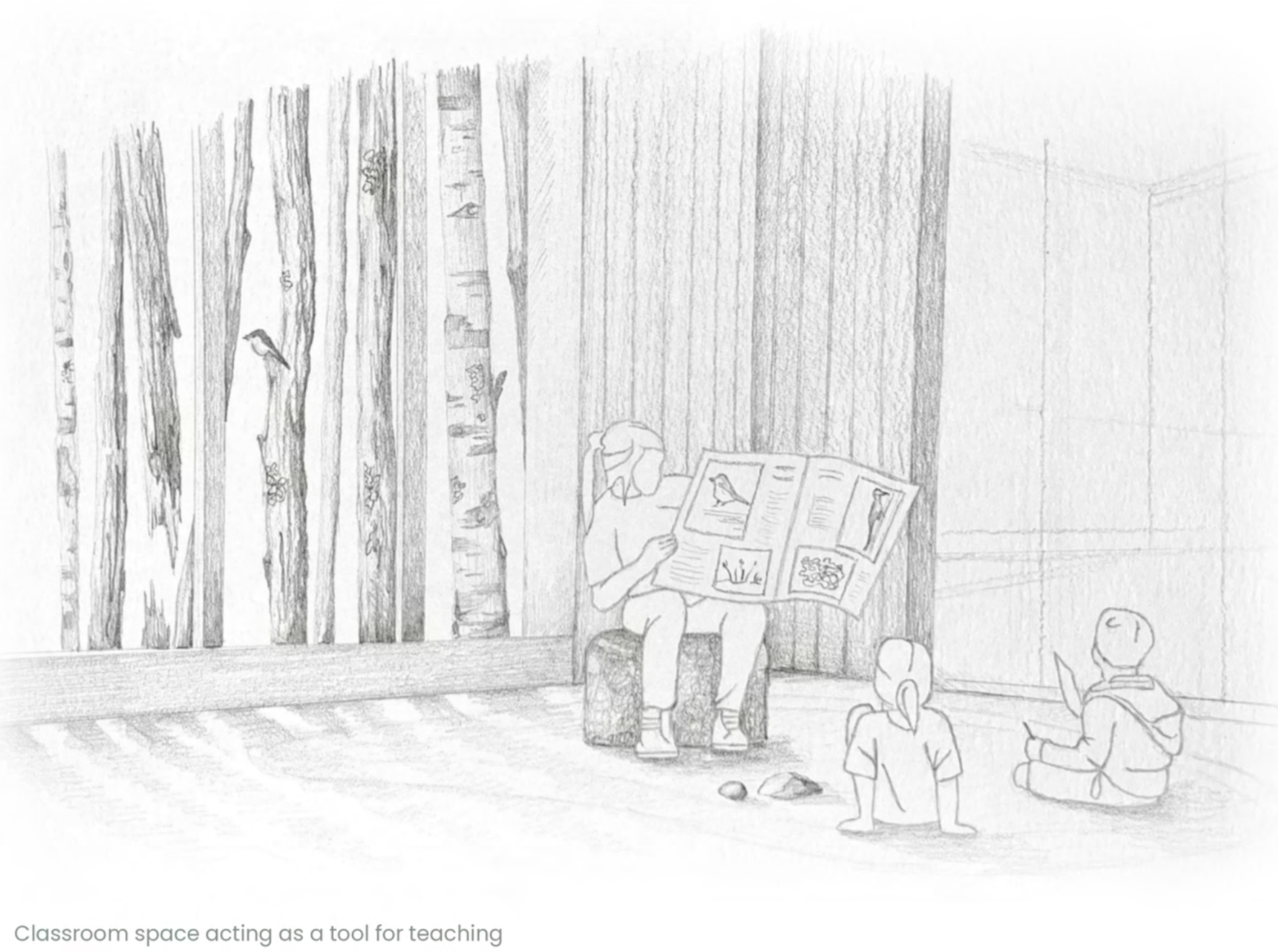
Lake Laurentian Conservation Area, Sudbury

Colin O'Neil



Inspired by the herbaceous layer and encouraging cohabitation, the Environmental Education Centre acts as a direct teaching tool for visitors of Sudbury's Lake Laurentian Conservation Area.

Building on a long history of local regreening efforts and the cyclic nature of decomposition, the building envelope utilizes an experimental deadfall wood facade pulled away from the surface of the structure. This element, paired with interior views, allows for both people, animals, and species of the herbaceous layer to cohabitate the building. This further filters light as it enters the building and blends the lines between building and landscape.



Classroom space acting as a tool for teaching



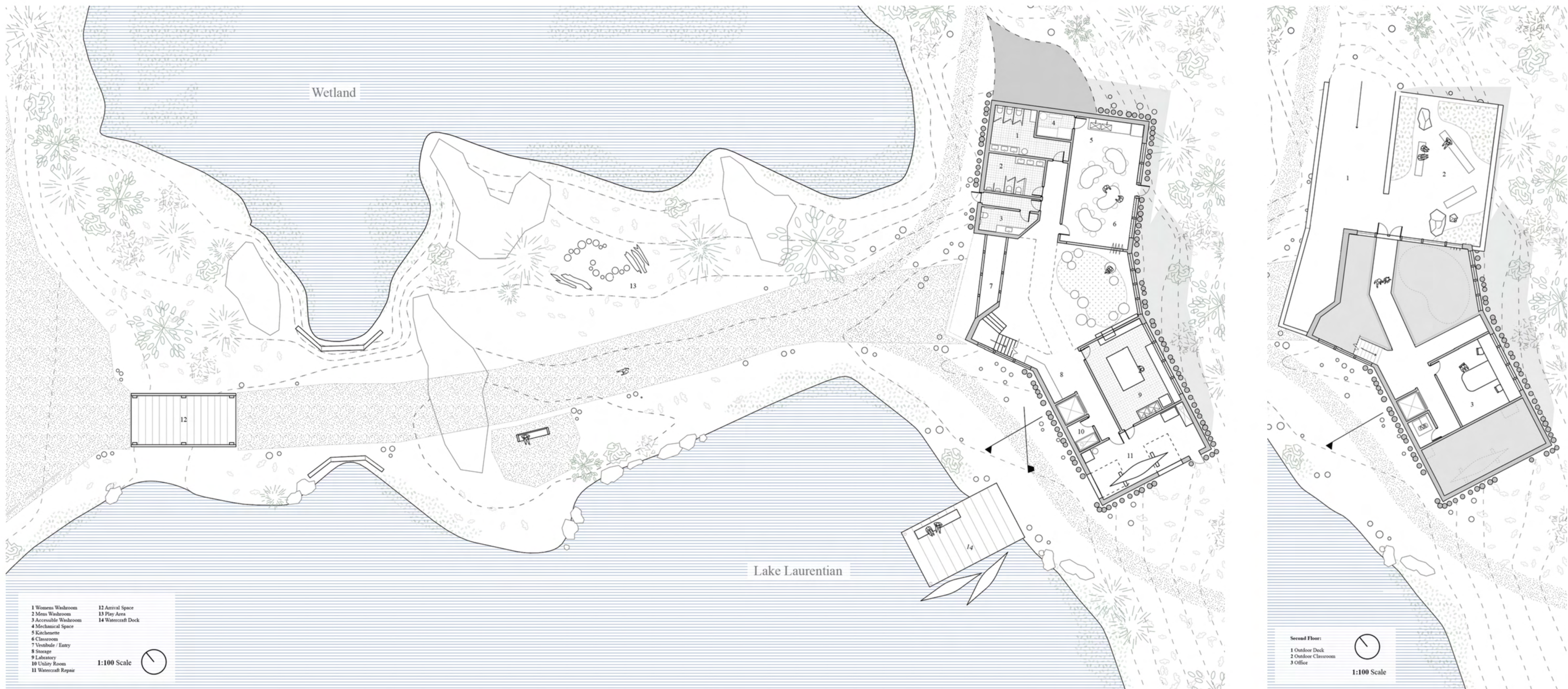
Section highlighting the relation between lake and forest



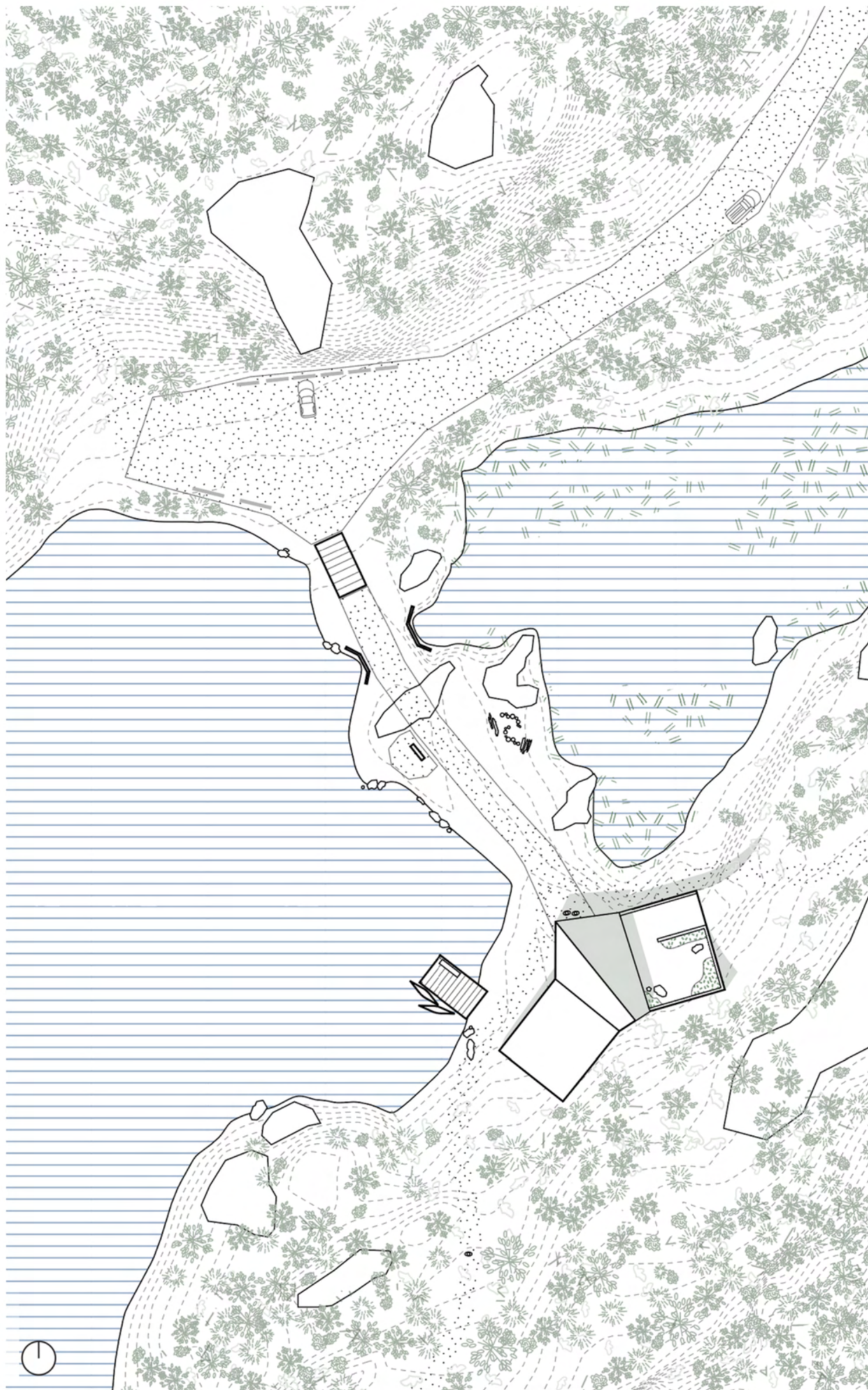
Detail model showcasing interior vs. exterior connection



Building approach across causeway



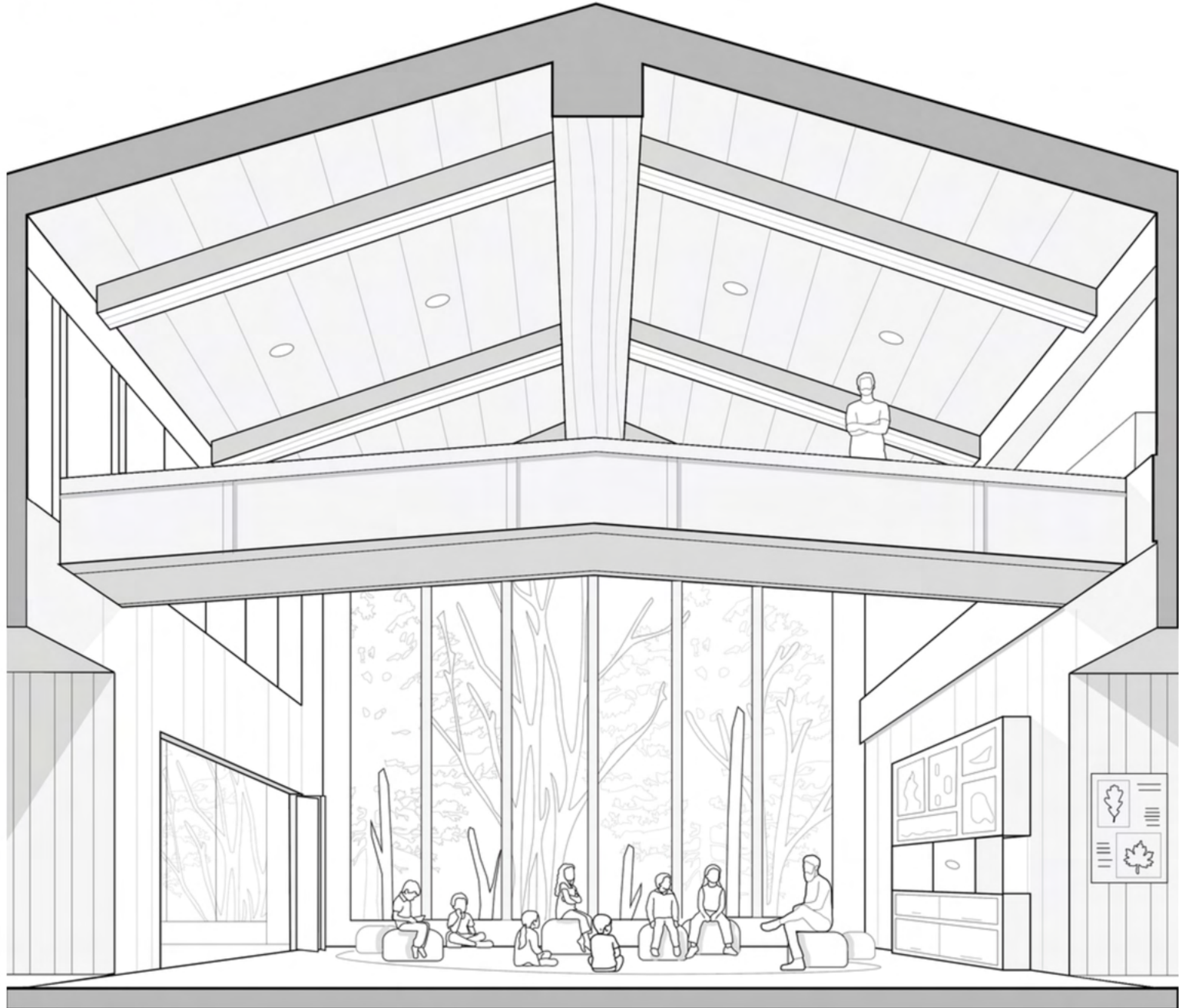
Floor plans and immediate site programming



Key plan showing the connection to trails and parking



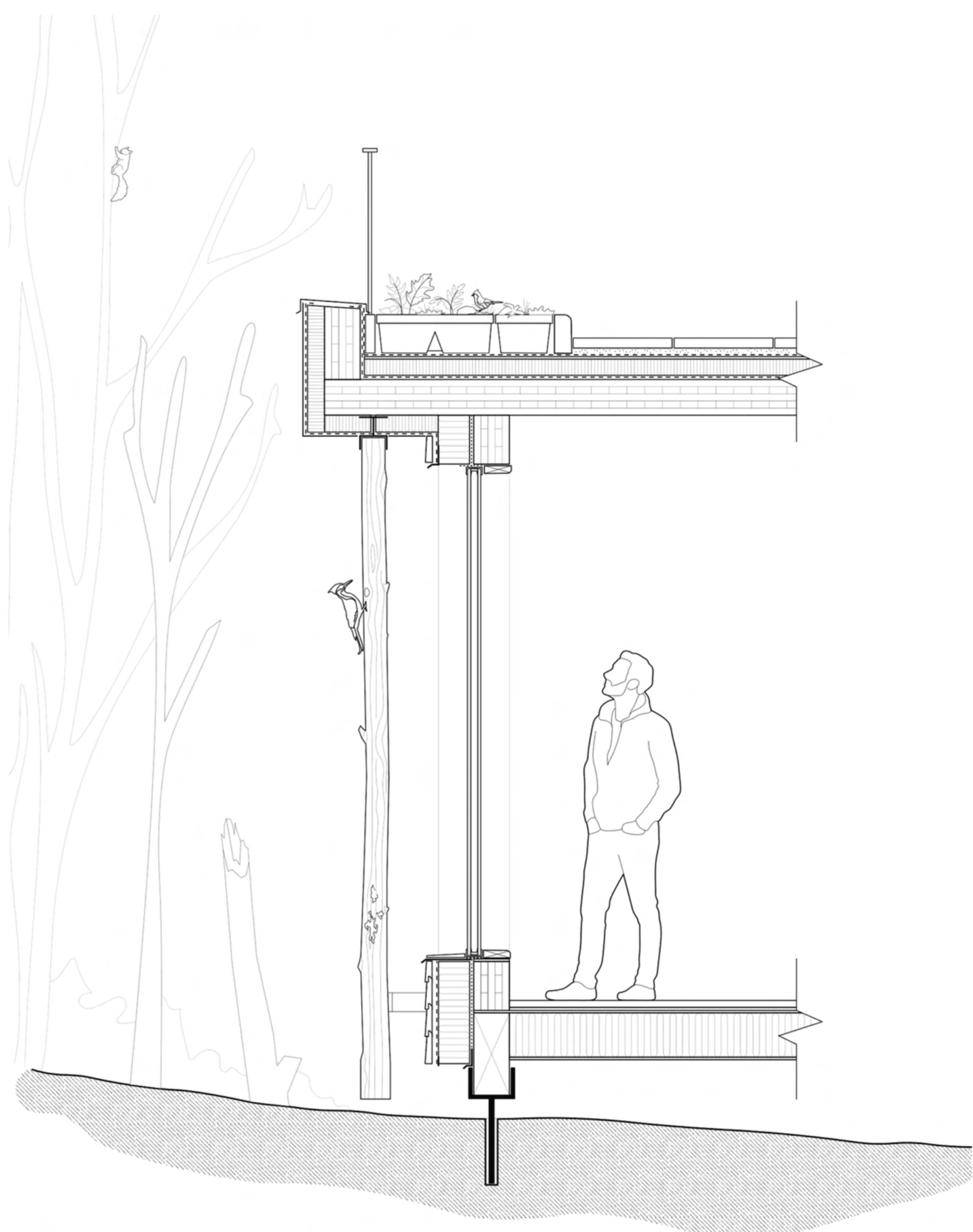
Winter approach from the trails



Atrium and flexible classroom space interior



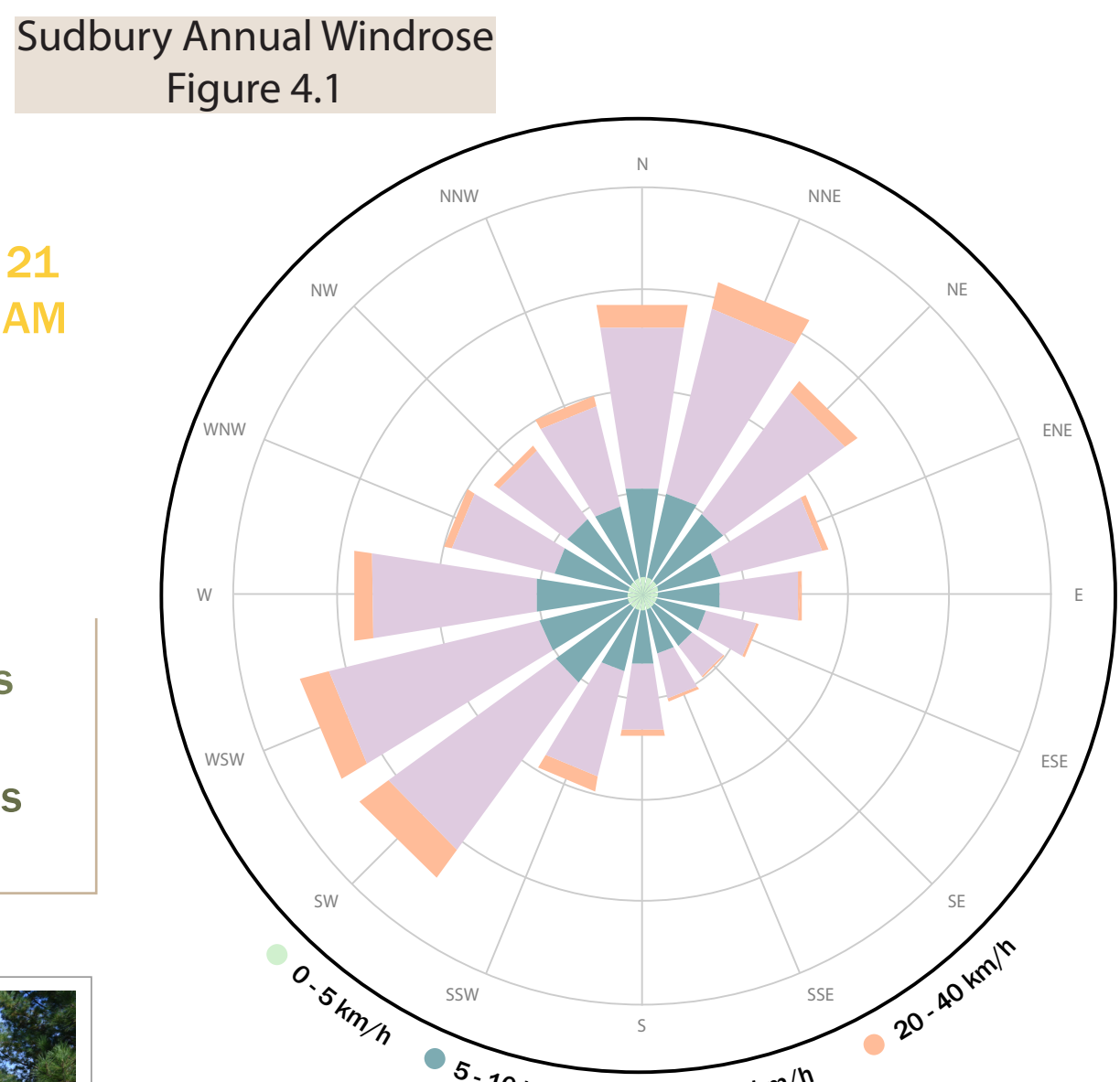
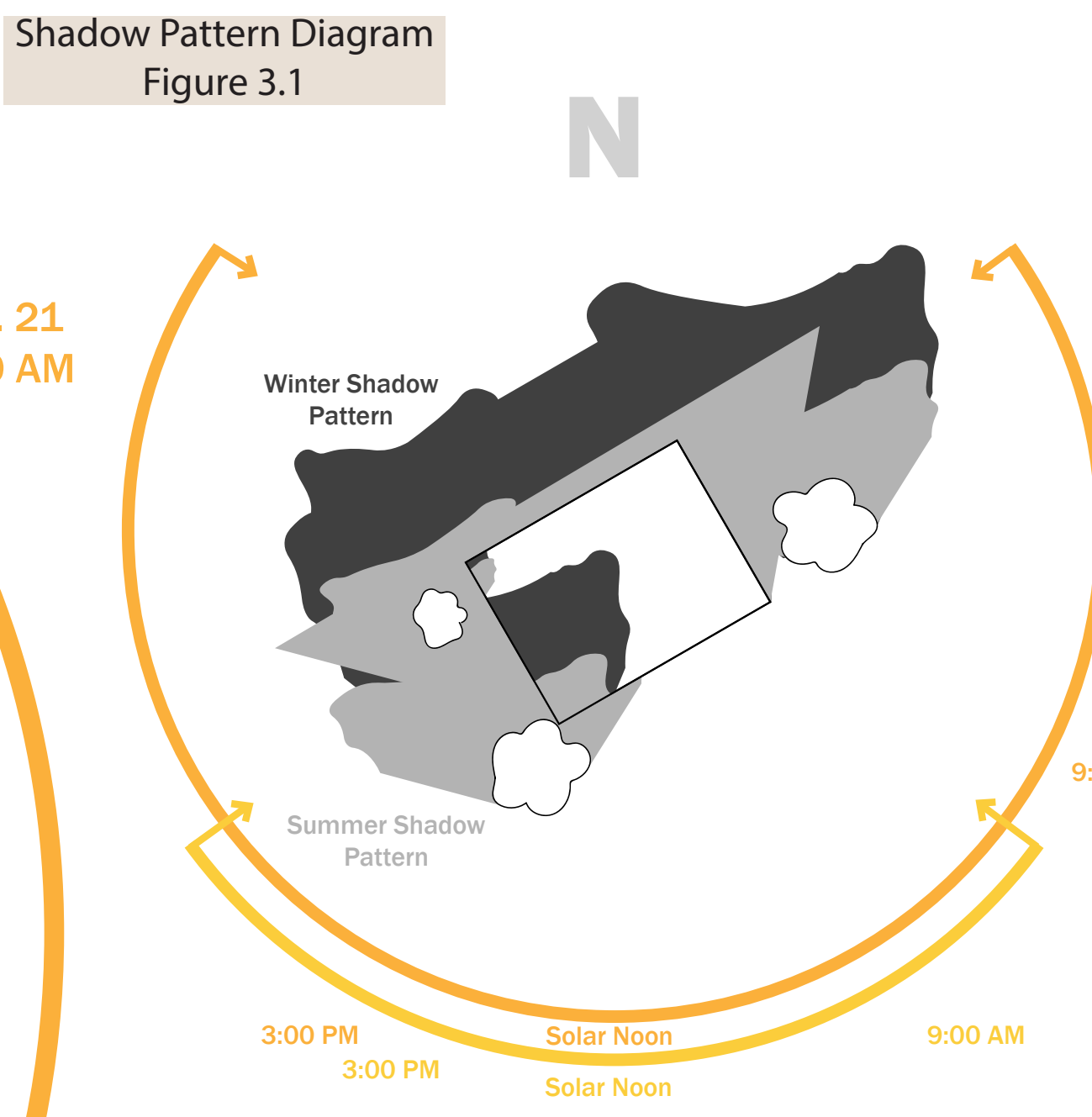
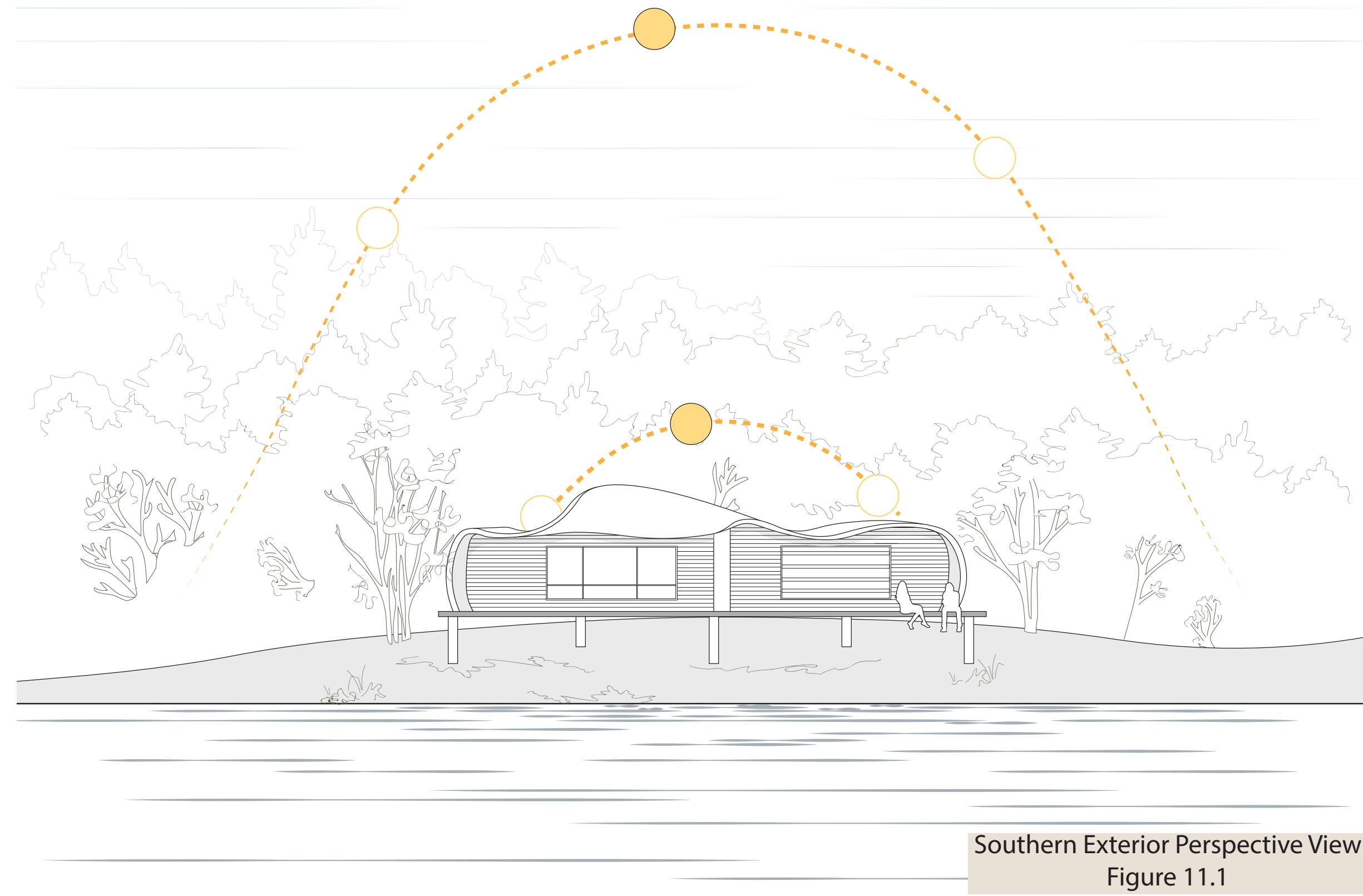
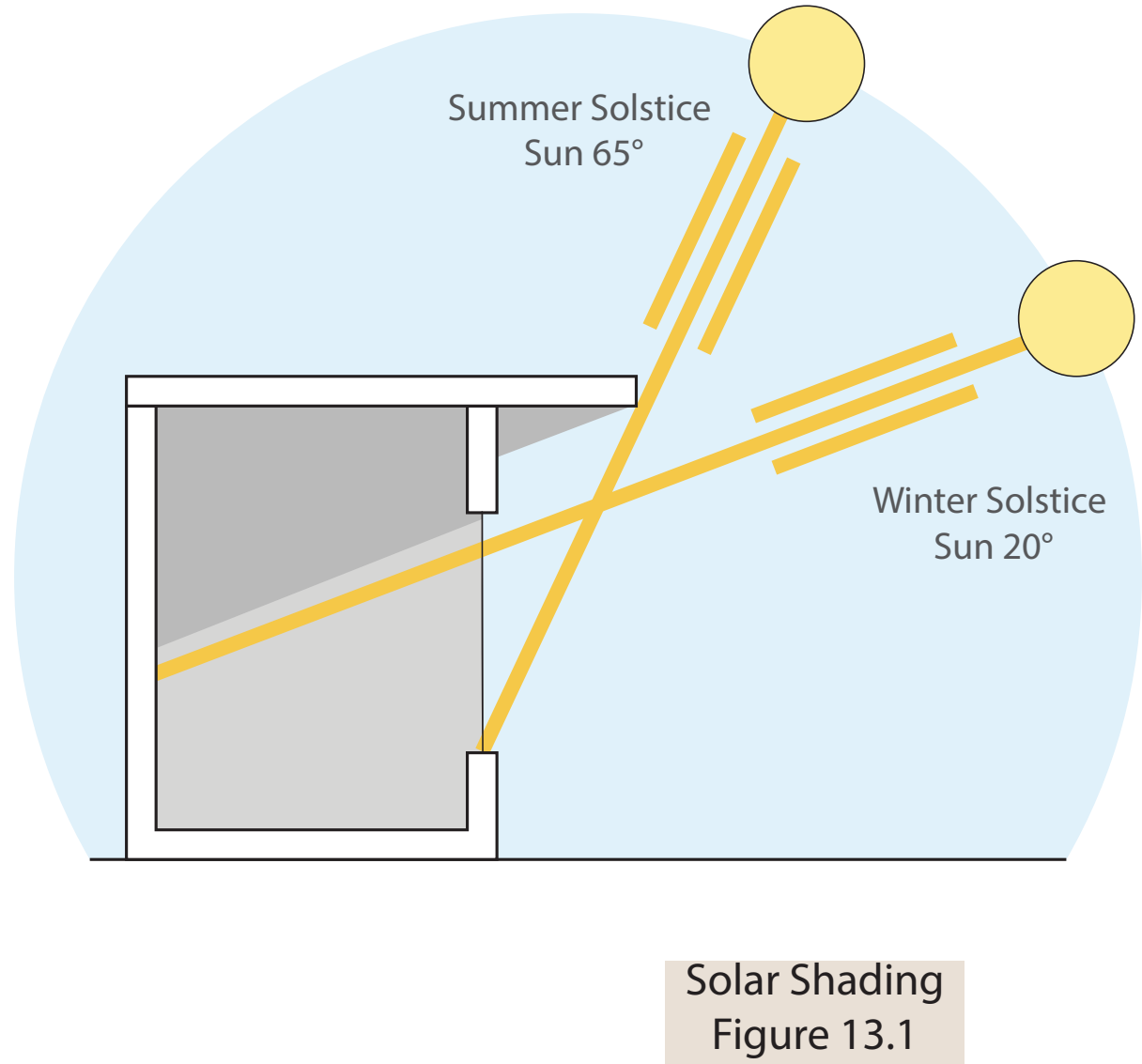
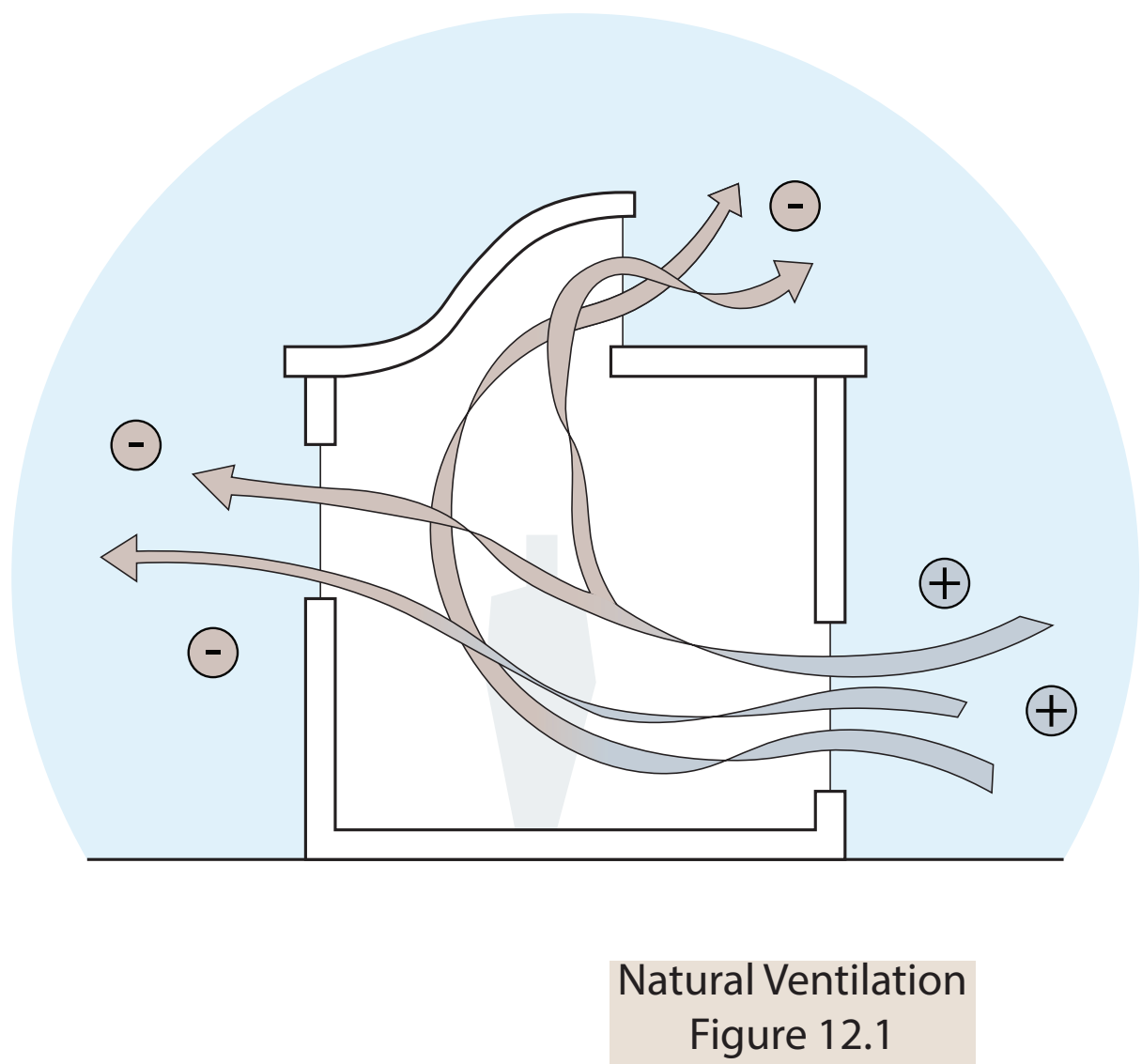
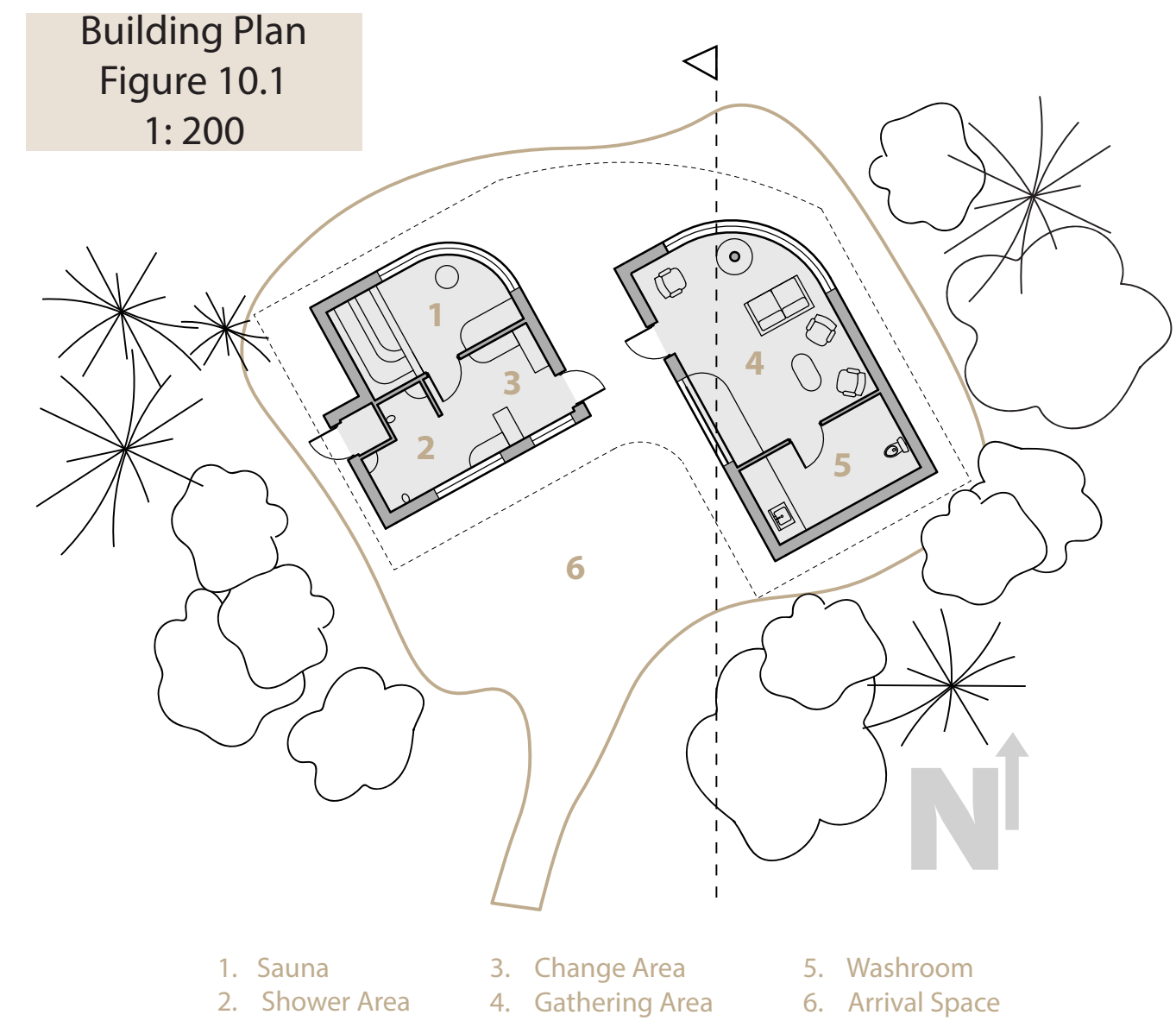
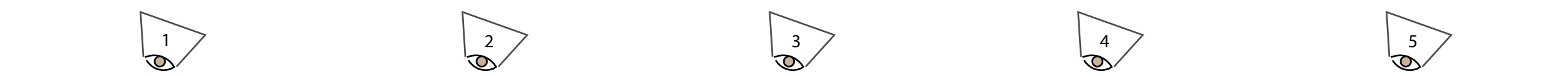
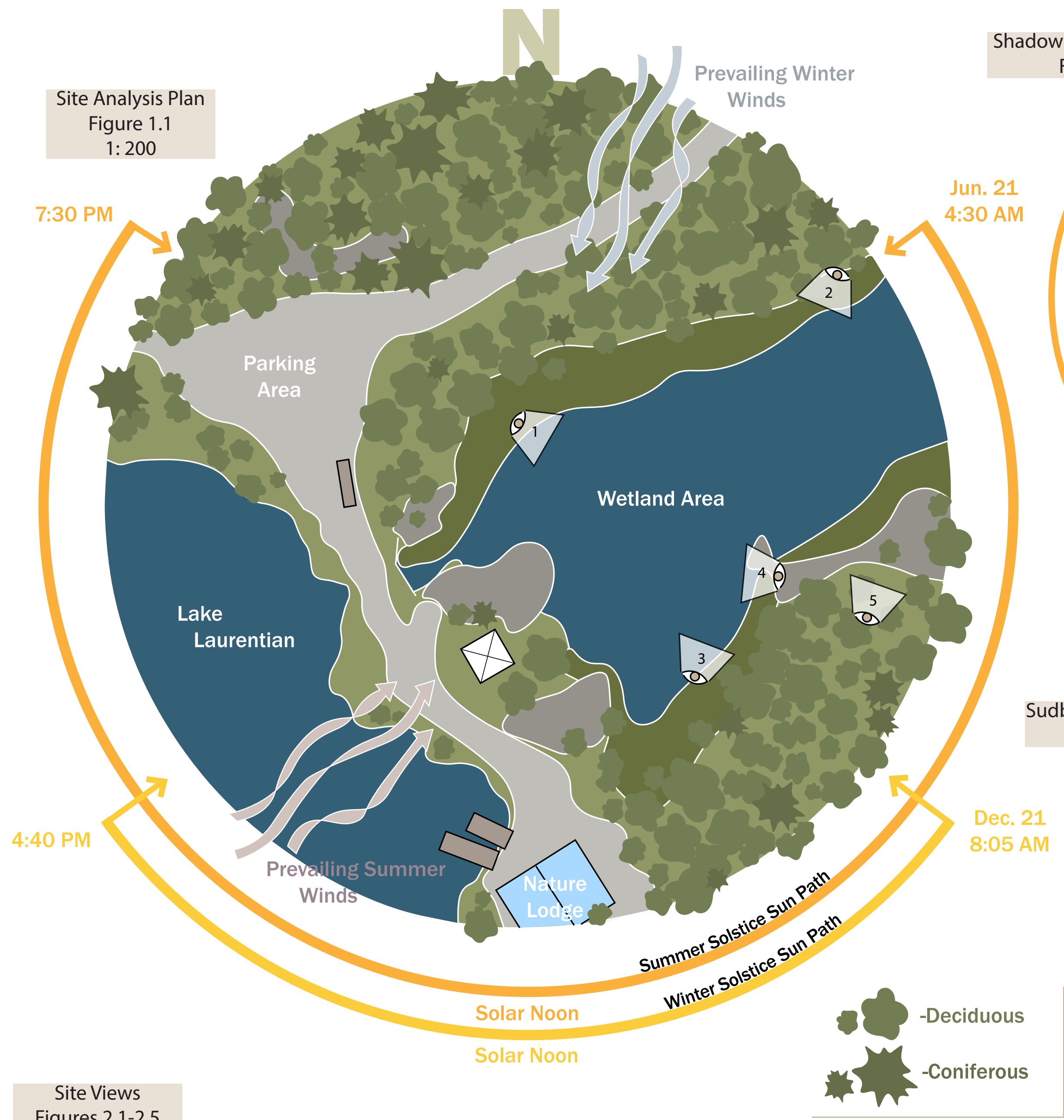
Display detail between atrium and laboratory spaces



Wall section detail with deadfall facade

Passive Design Integration

Lake Laurentian Conservation Area Sauna Project by Colin O'Neil



Site Analysis Diagrams
Figure 5.1-5.4 (Top-Bottom)

