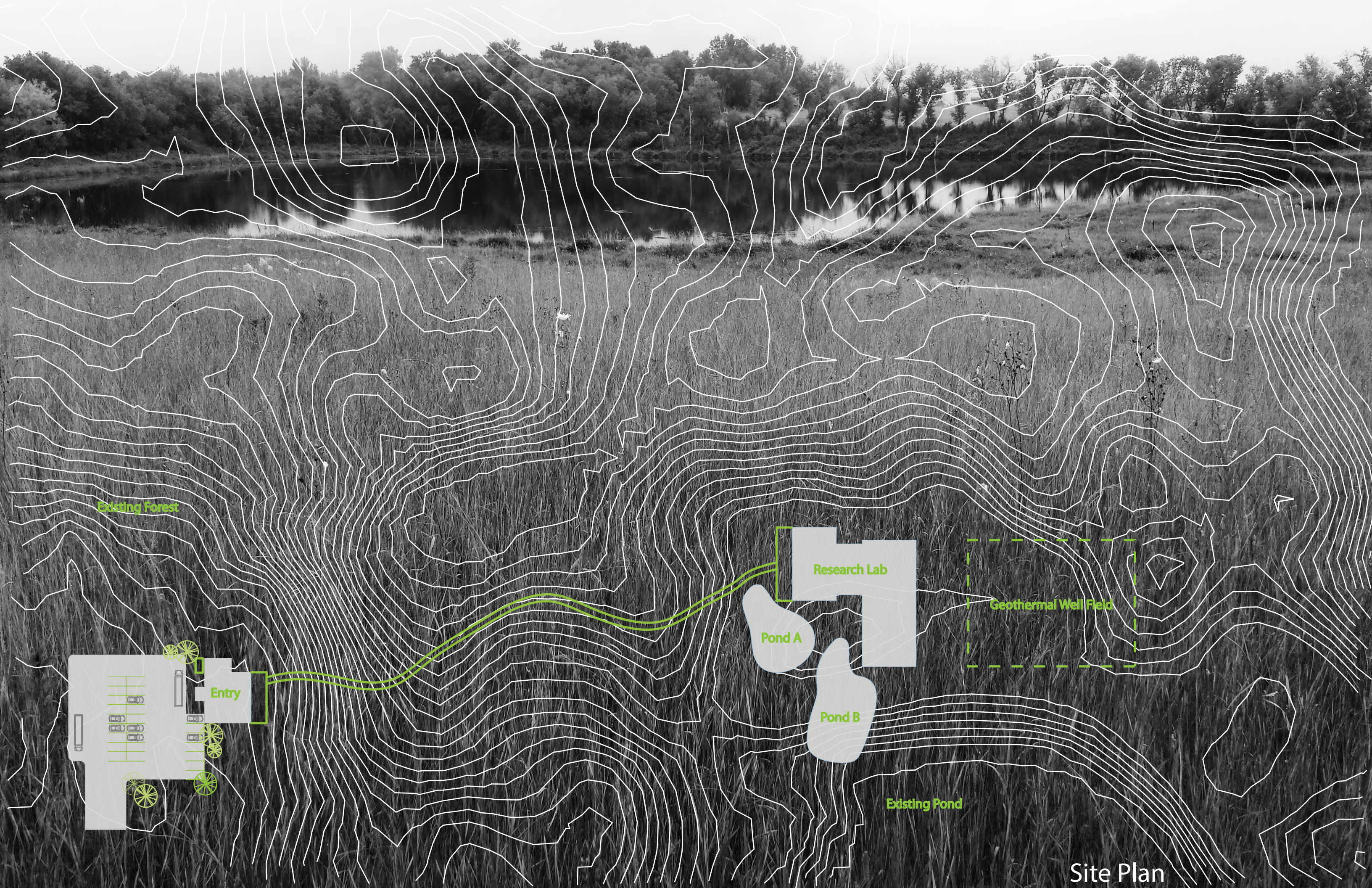


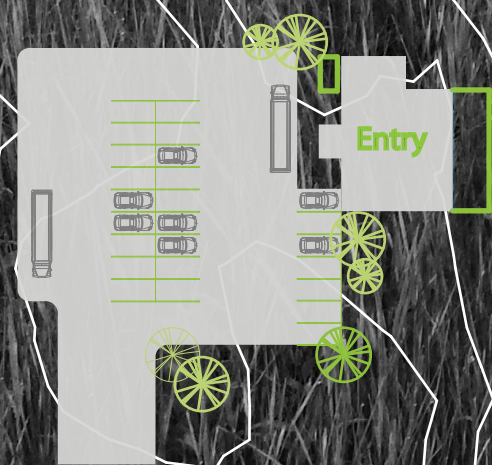
Wetland Research Laboratory

Sarah Crook | Fall 2014 | Mark Barnhouse





Existing Forest



Entry

Research Lab

Pond A

Pond B

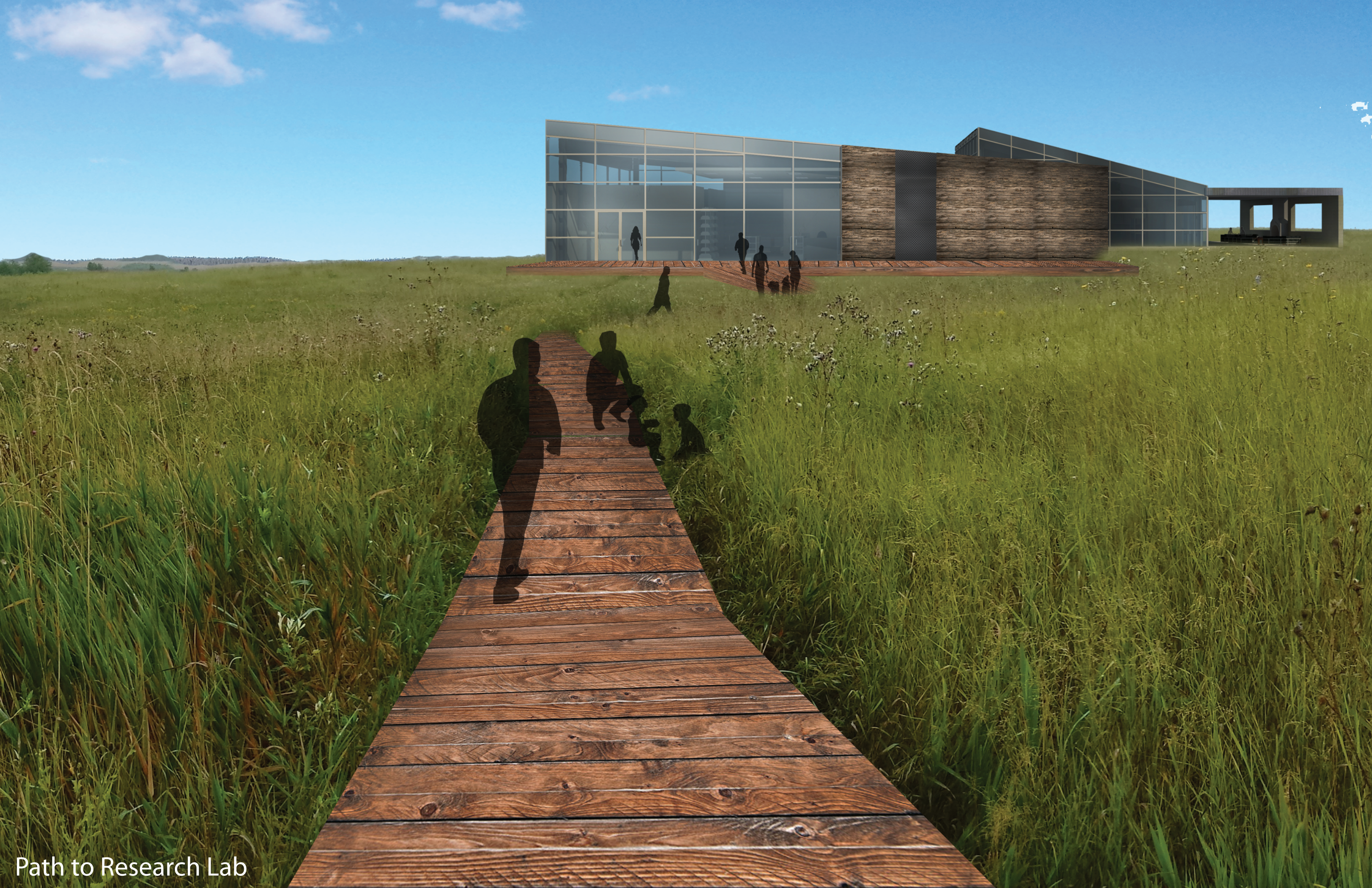
Geothermal Well Field

Existing Pond

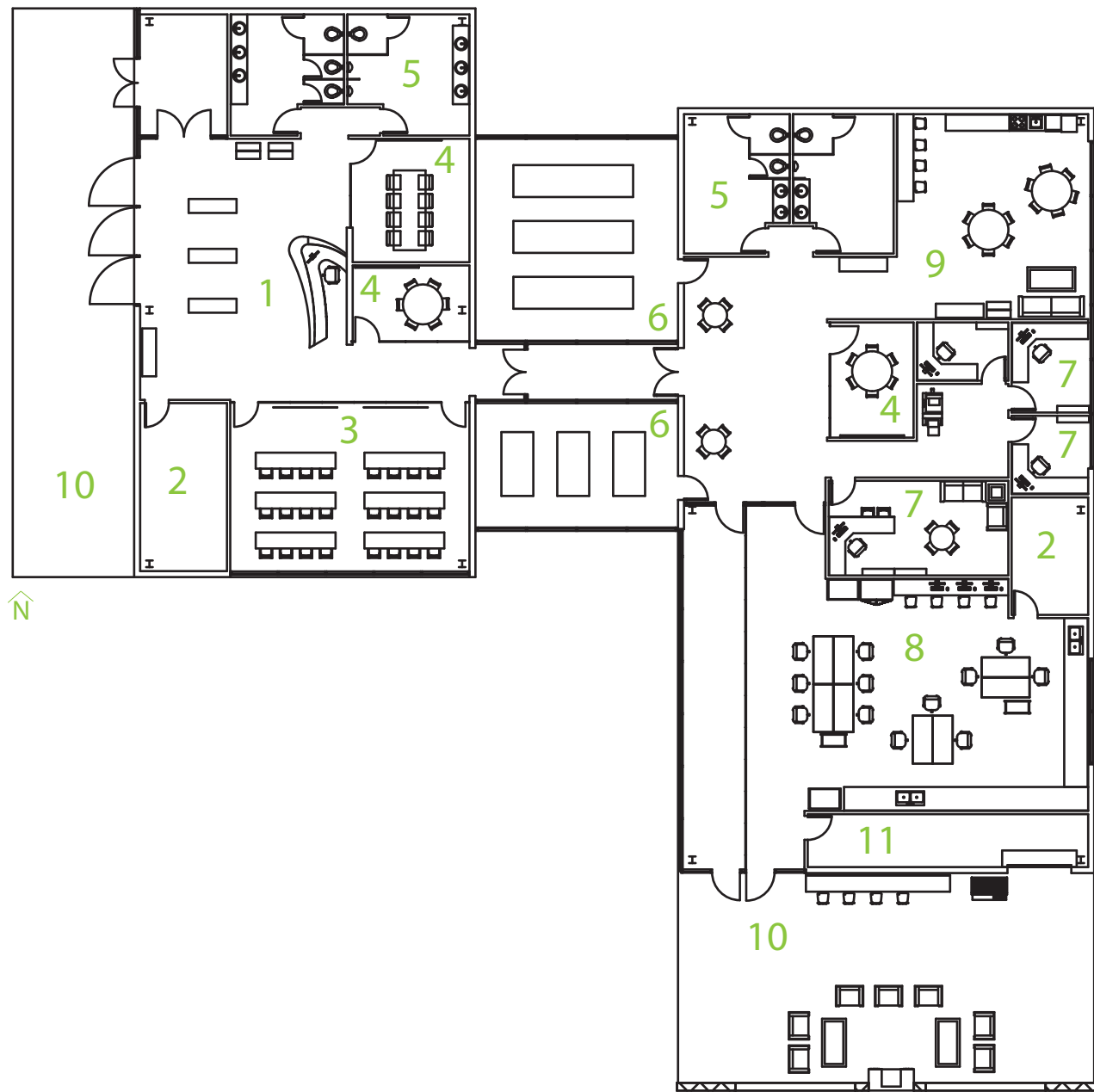
Site Plan



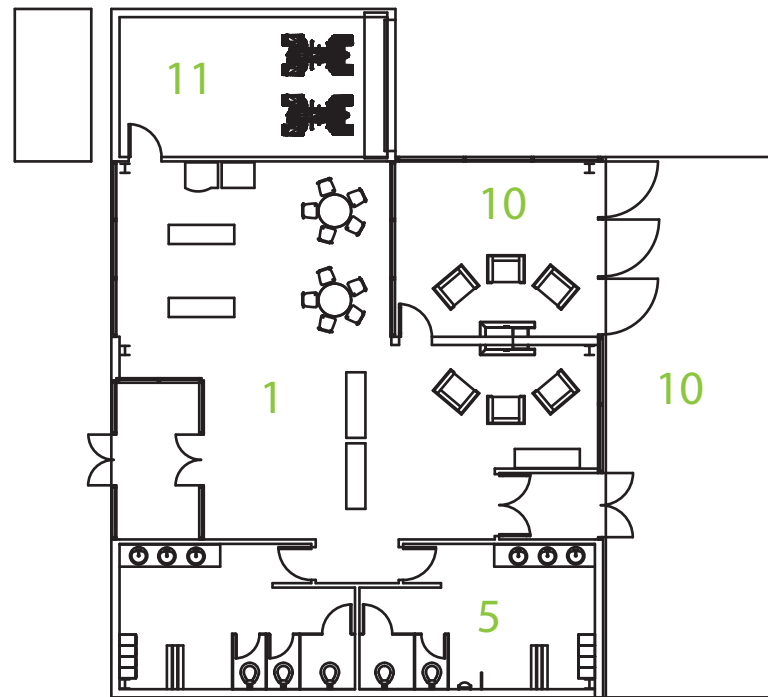
Entry Pavilion



Path to Research Lab



Research Lab

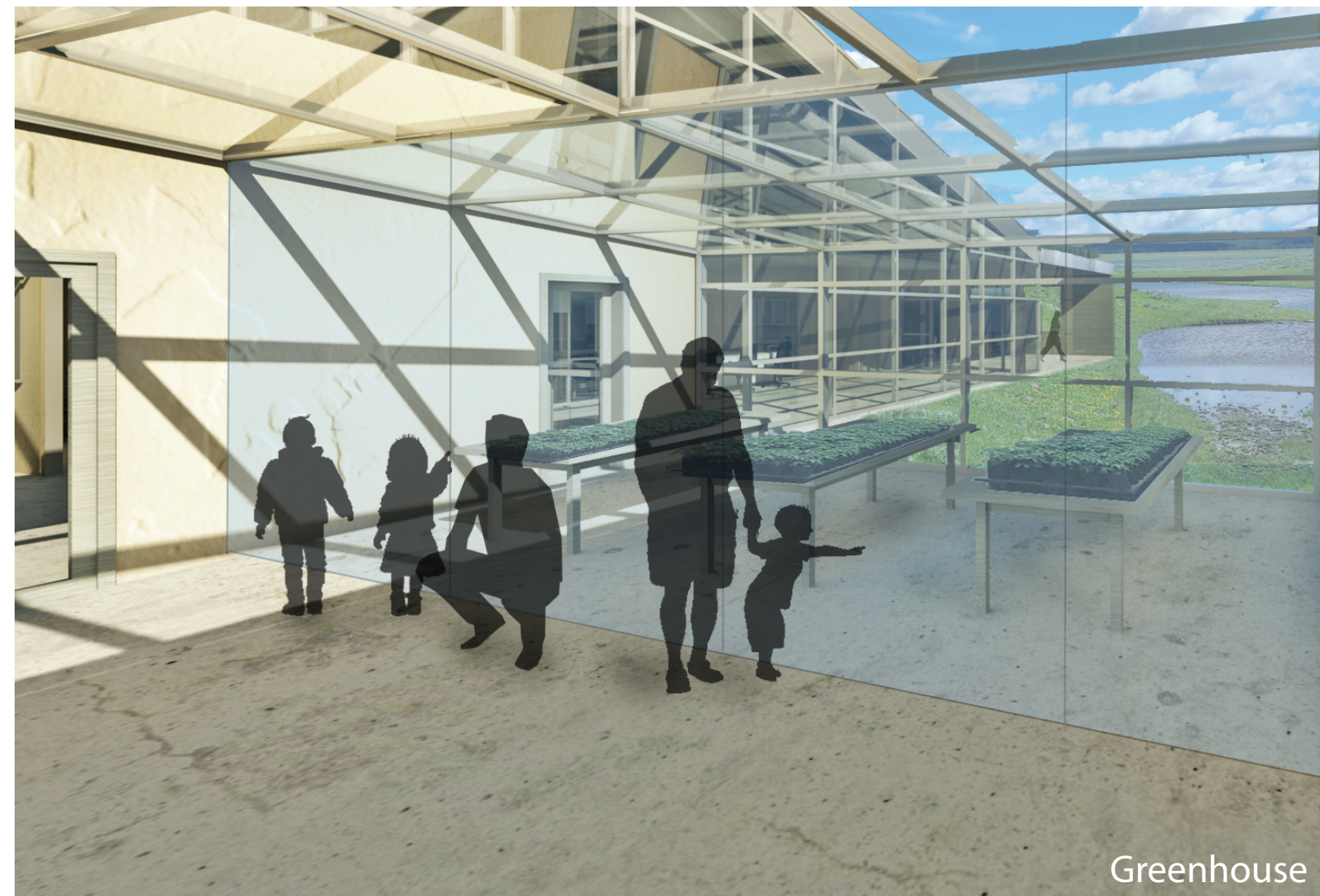


Entry Pavilion

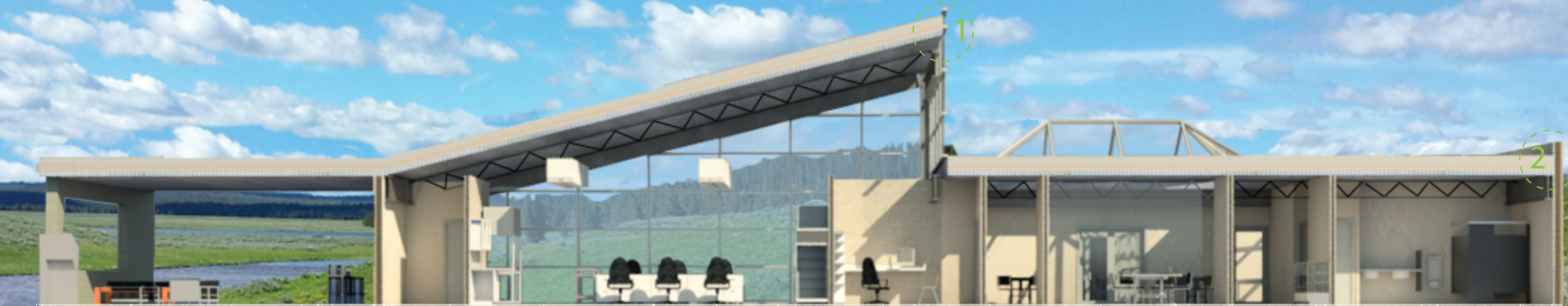
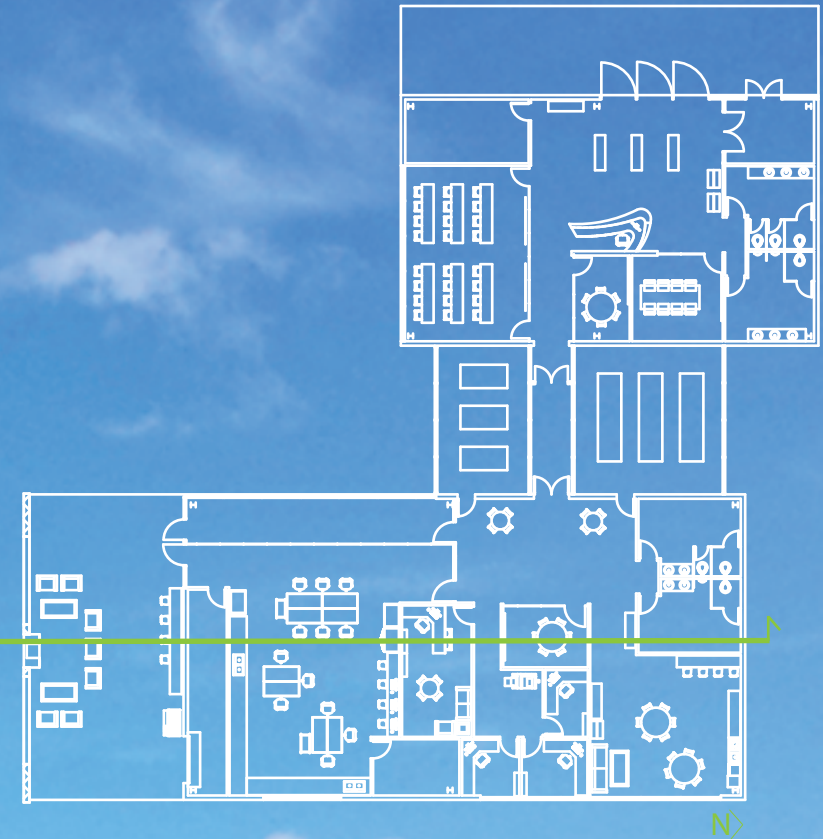
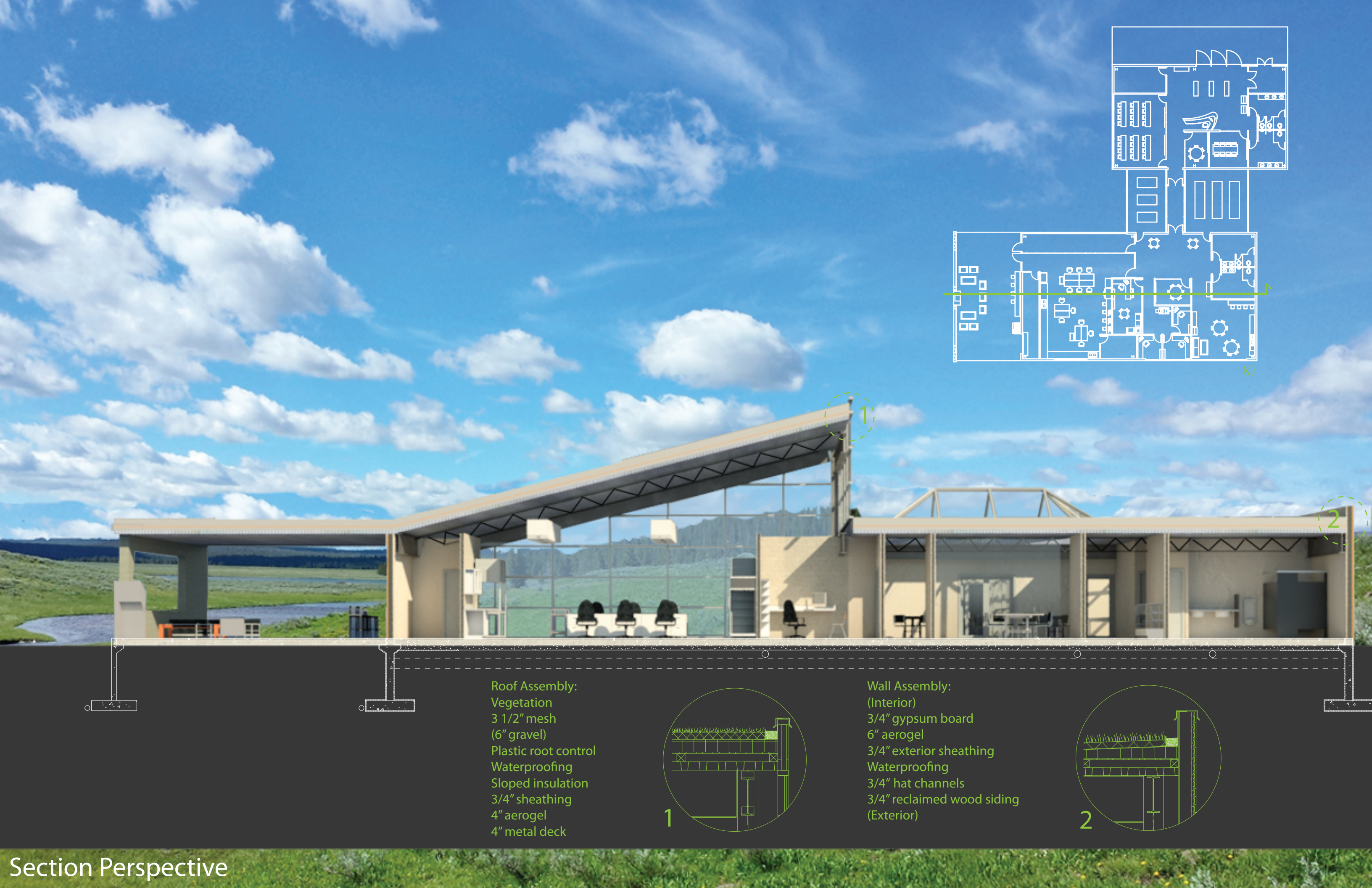
1. Lobby
2. Mechanical Room
3. Presentation Space
4. Conference Room
5. Bathroom
6. Greenhouse
7. Office
8. Lab
9. Lounge
10. Porch
11. Storage



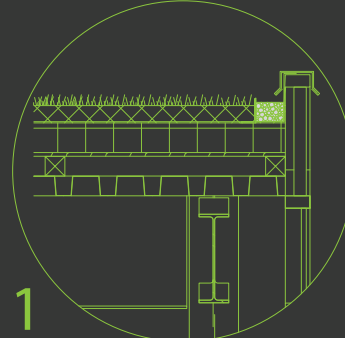
Lobby



Greenhouse

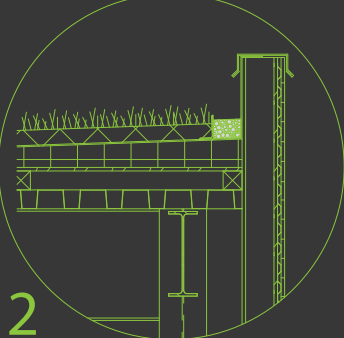


Roof Assembly:
Vegetation
3 1/2" mesh
(6" gravel)
Plastic root control
Waterproofing
Sloped insulation
3/4" sheathing
4" aerogel
4" metal deck



1

Wall Assembly:
(Interior)
3/4" gypsum board
6" aerogel
3/4" exterior sheathing
Waterproofing
3/4" hat channels
3/4" reclaimed wood siding
(Exterior)



2

Section Perspective



Breakout Space