



Barrow's Mayor Harcharek about the New Piuraagvik "The strength of our community is its people. The City of Barrow is known for its unique mix of people who form an ever-growing city population. We need a 21st century facility, like the New Piuraagvik. There is a vital need for a cultural, (City of Barrow, Press Release - April 3, 2015)

Plants need:

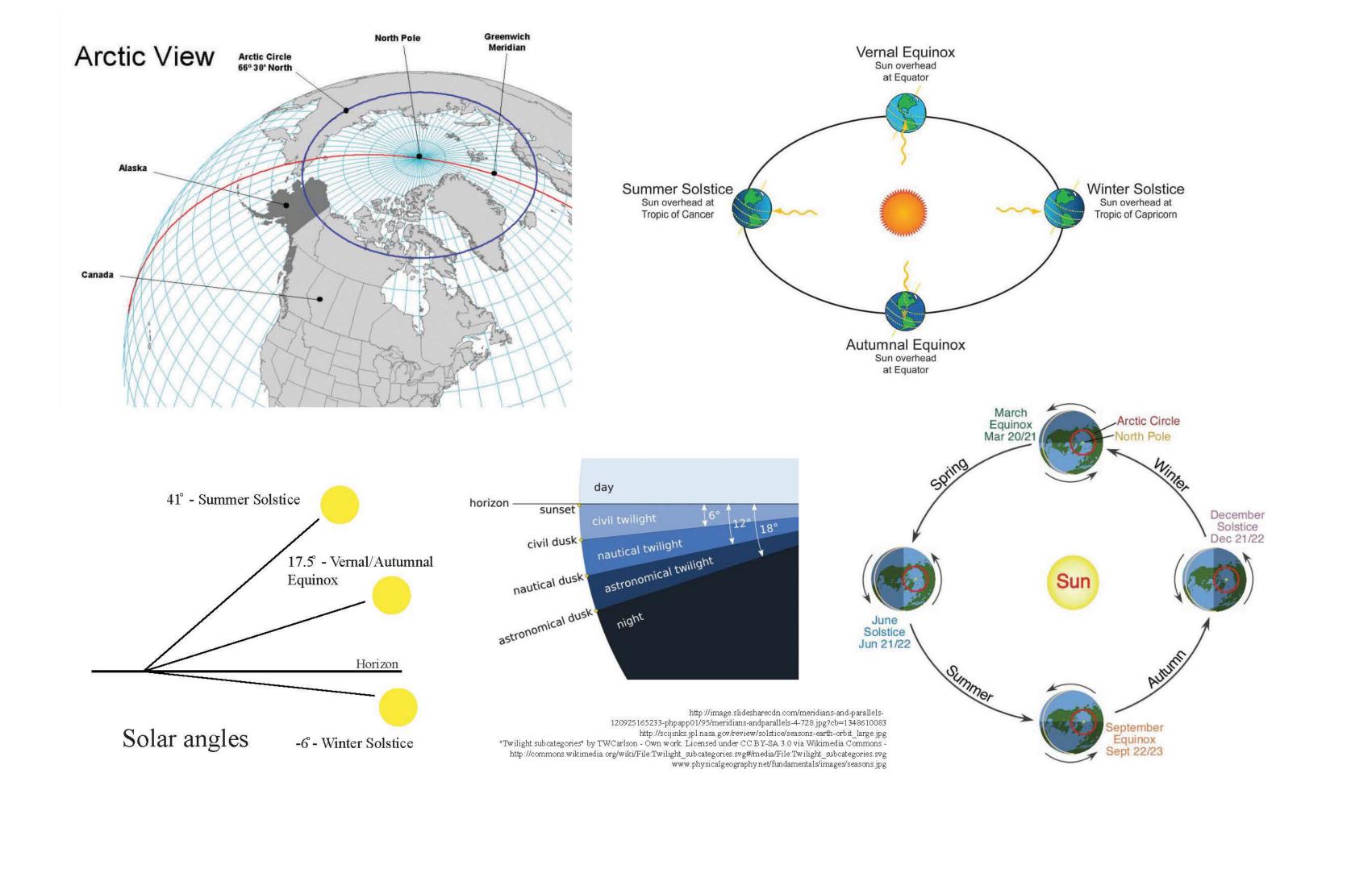
Temperature to grow at

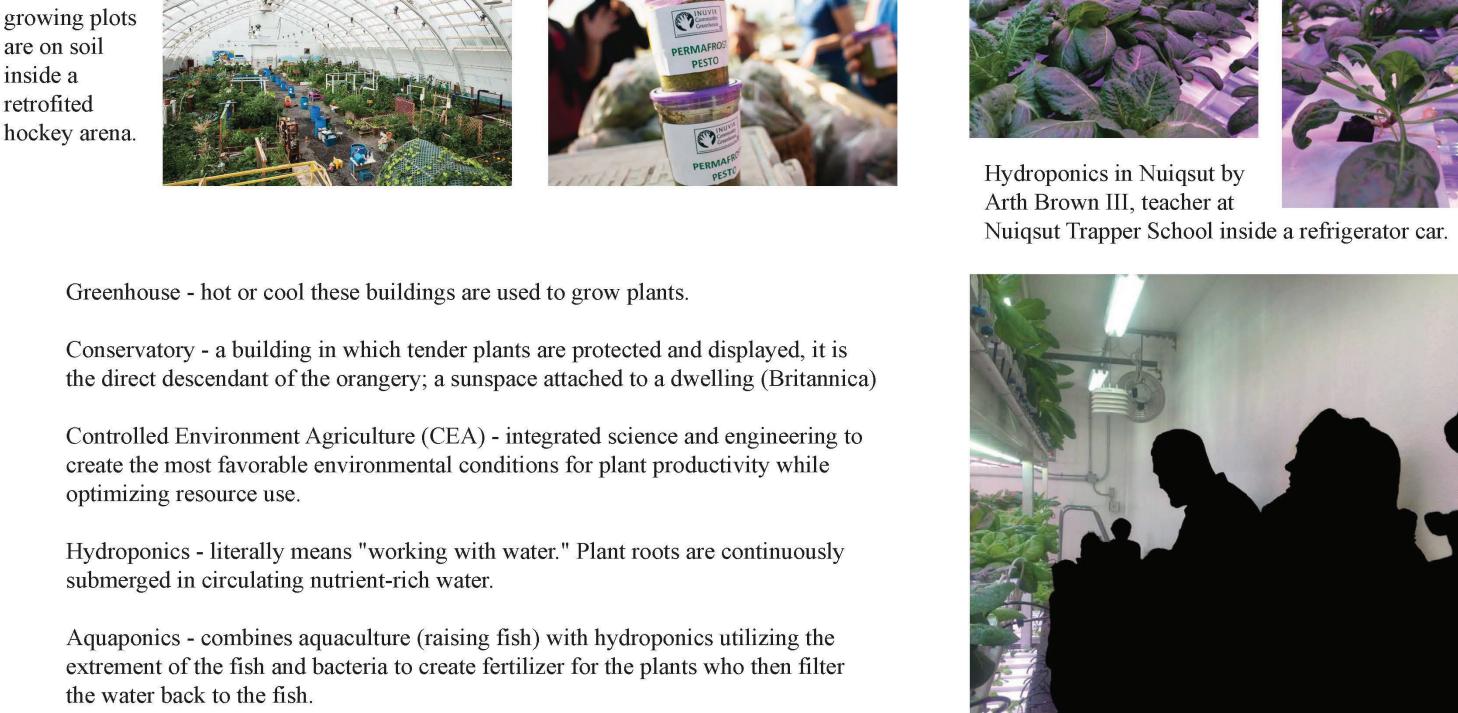
recreational and place of safety for a growing at-risk community." People need (7 Dimensions of Wellness):

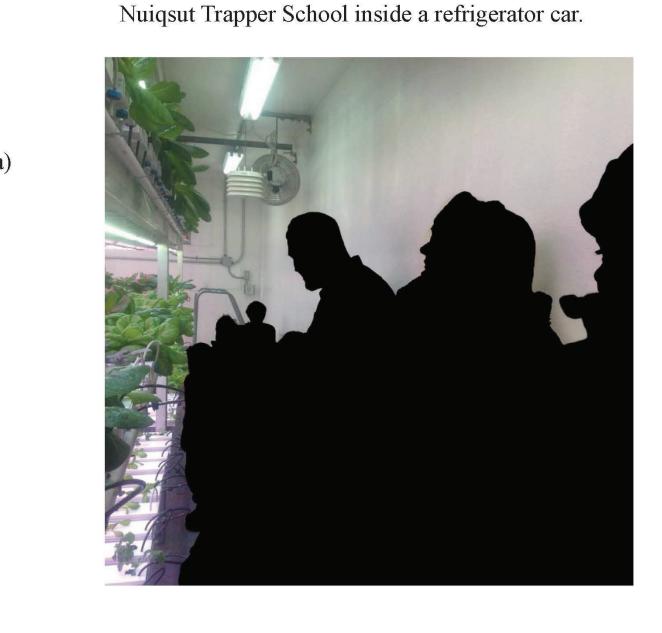
CAN YOU CREATE A PIECE OF ARCHITECTURE THAT ENABLES PEOPLE AND PLANTS TO THRIVE IN A HOSTILE ENVIRONMENT?

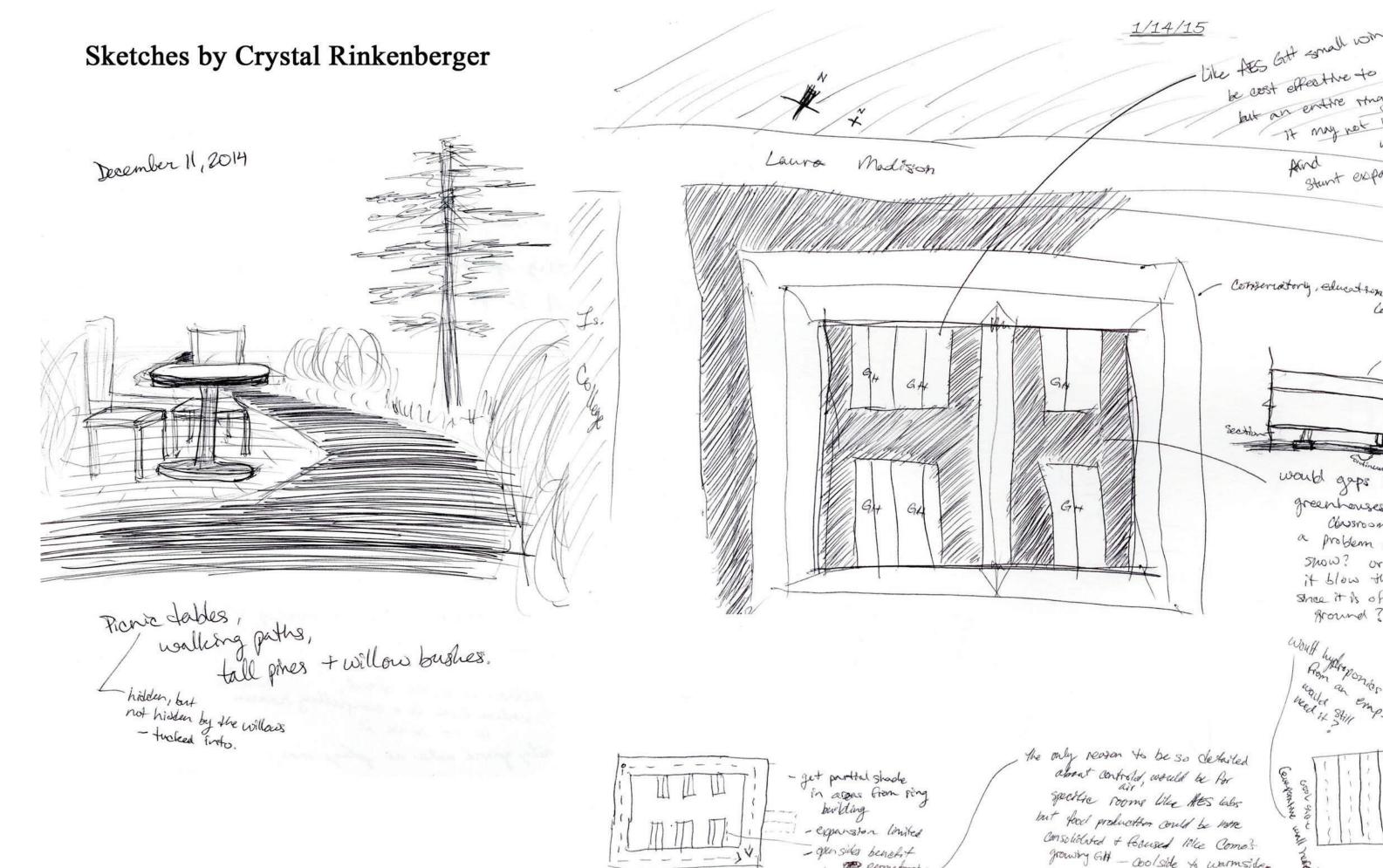
Yes, and it would be considered successful if the shelter can be sustained to:

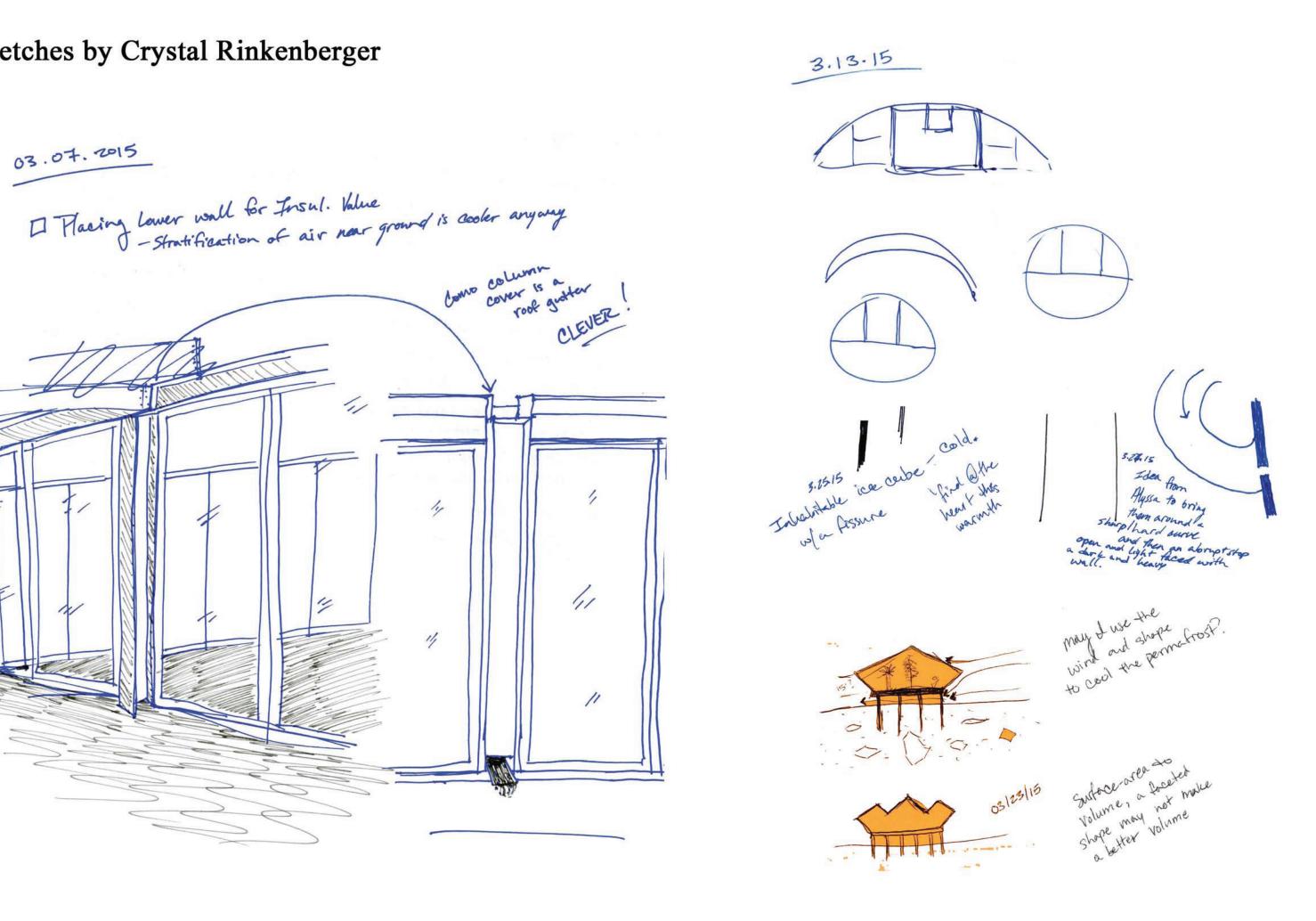
- Operate year round/built to last for more than one season
- Does not sink into the permafrost
- Mitigates or controls the climate to permit the growing of plants



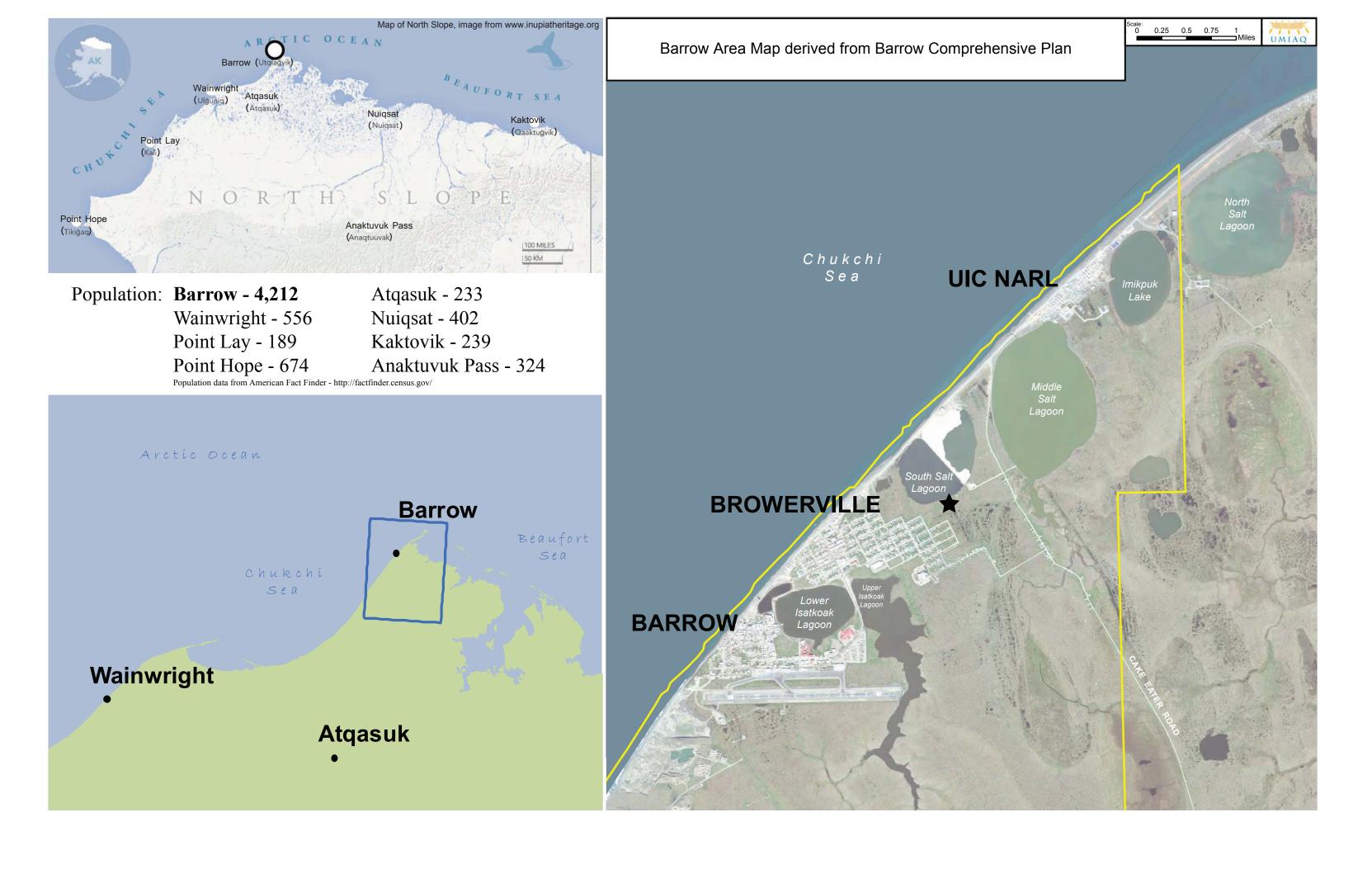




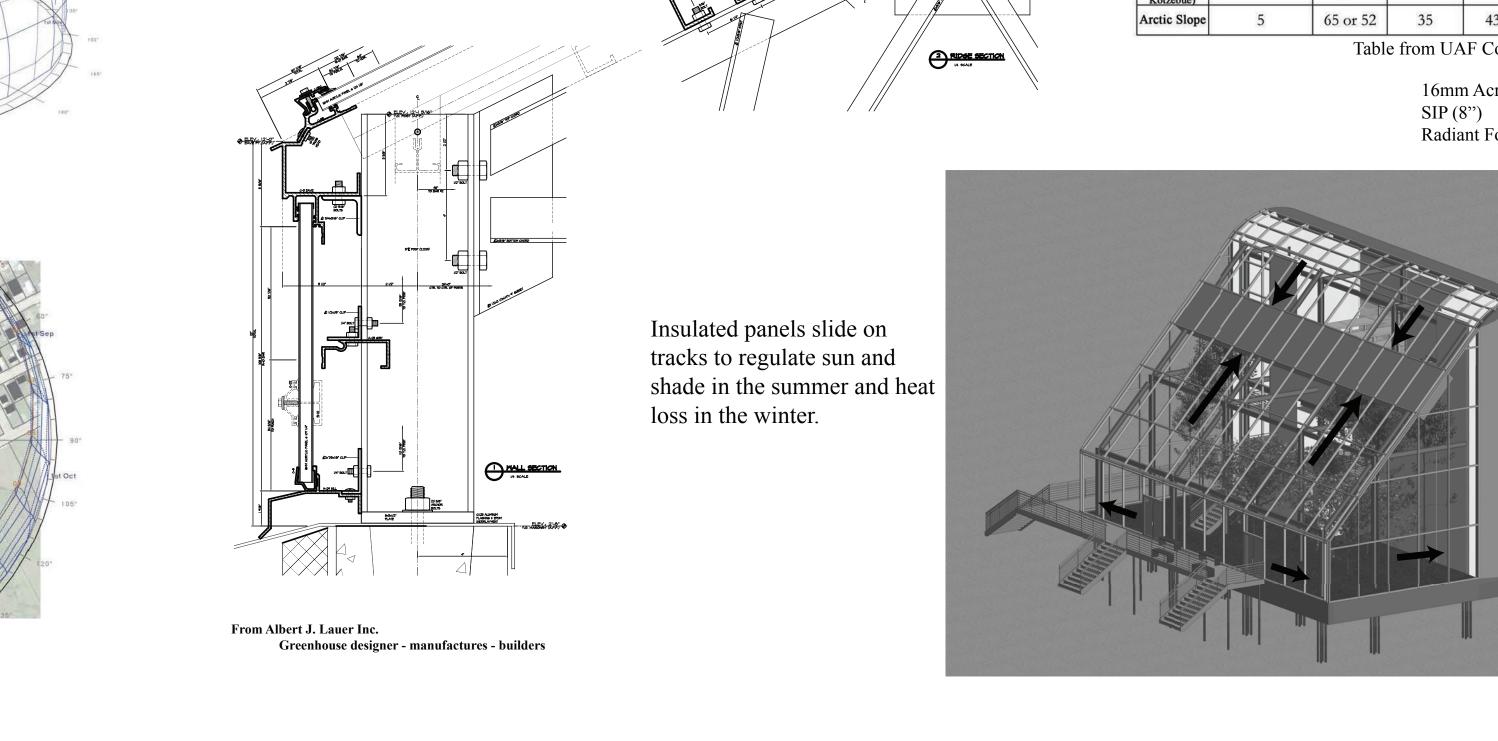






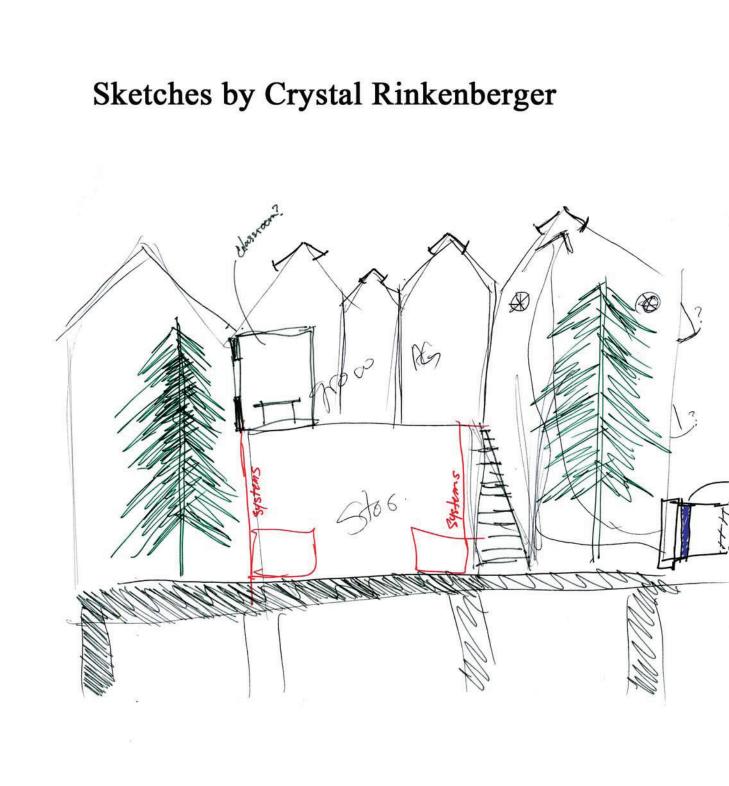


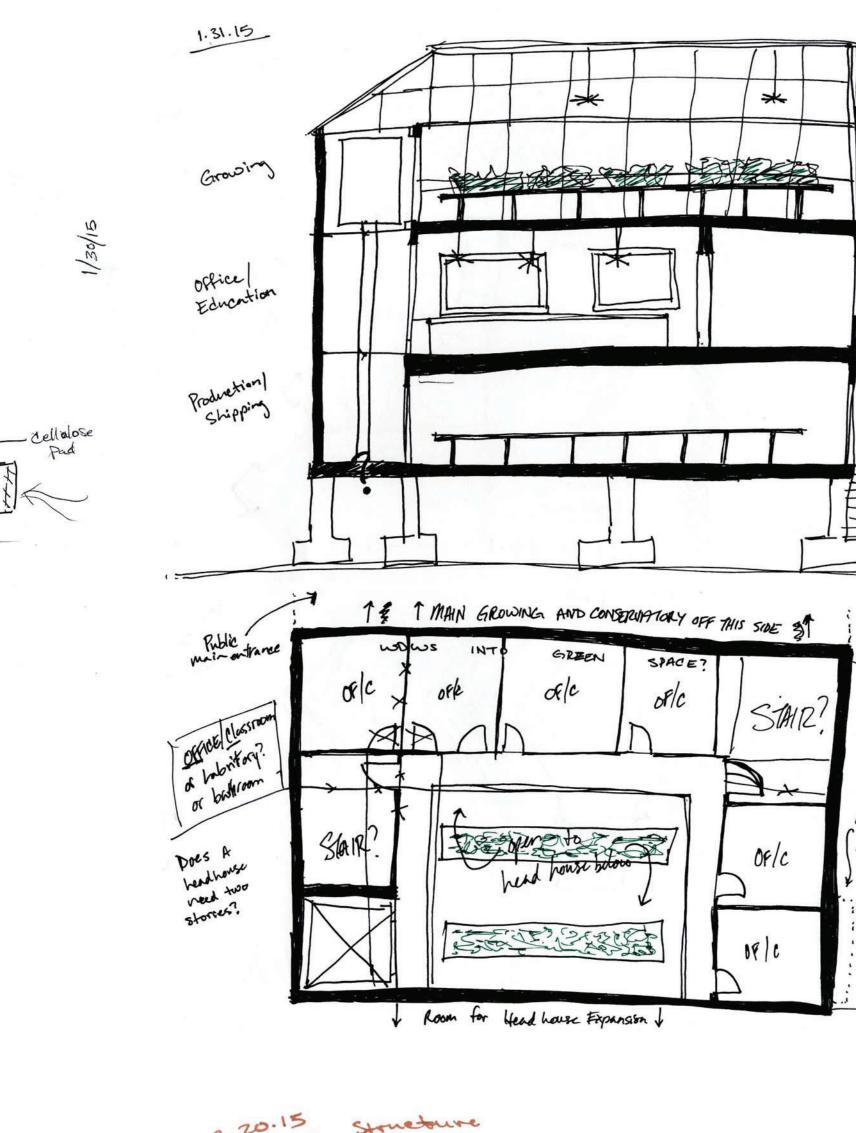


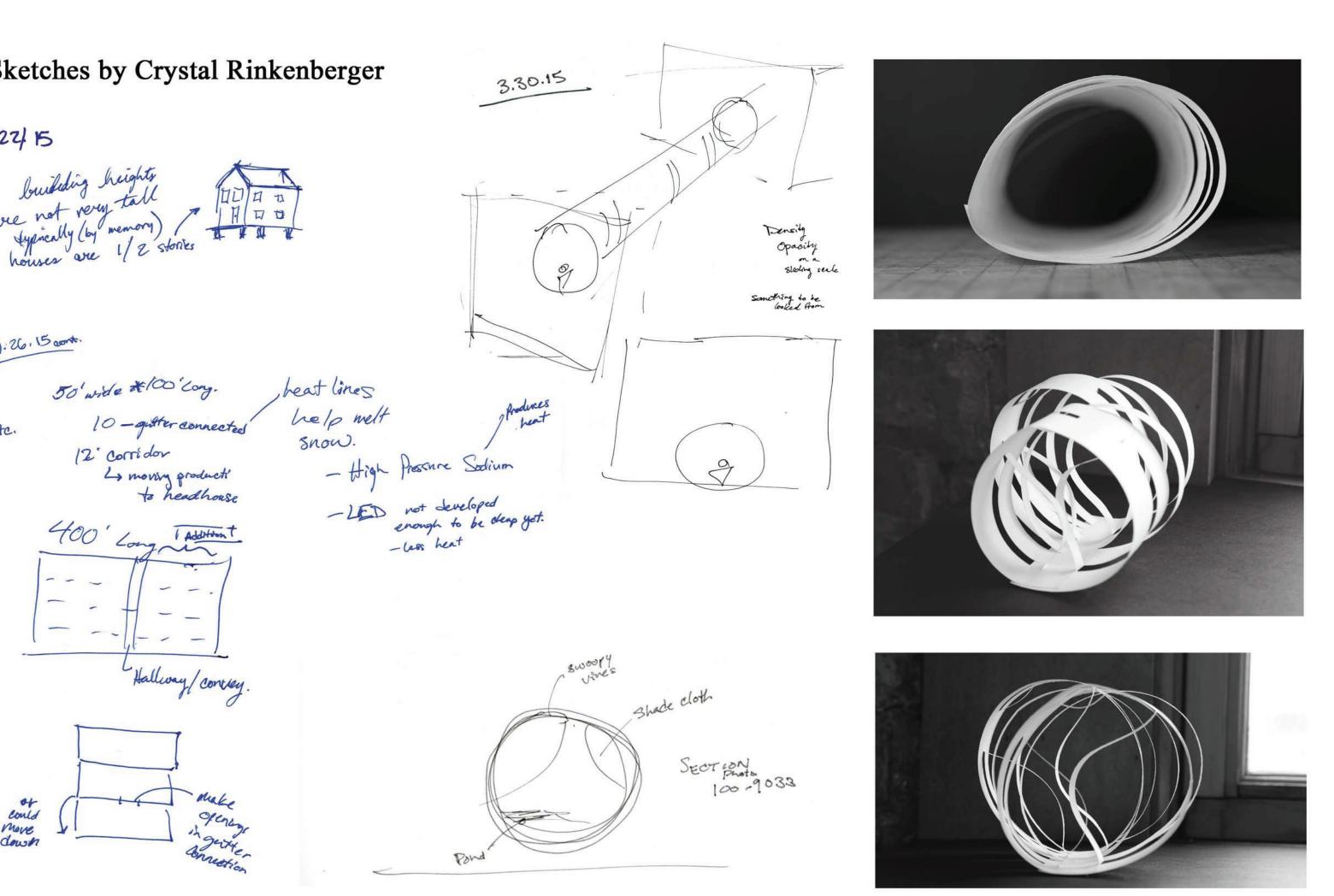


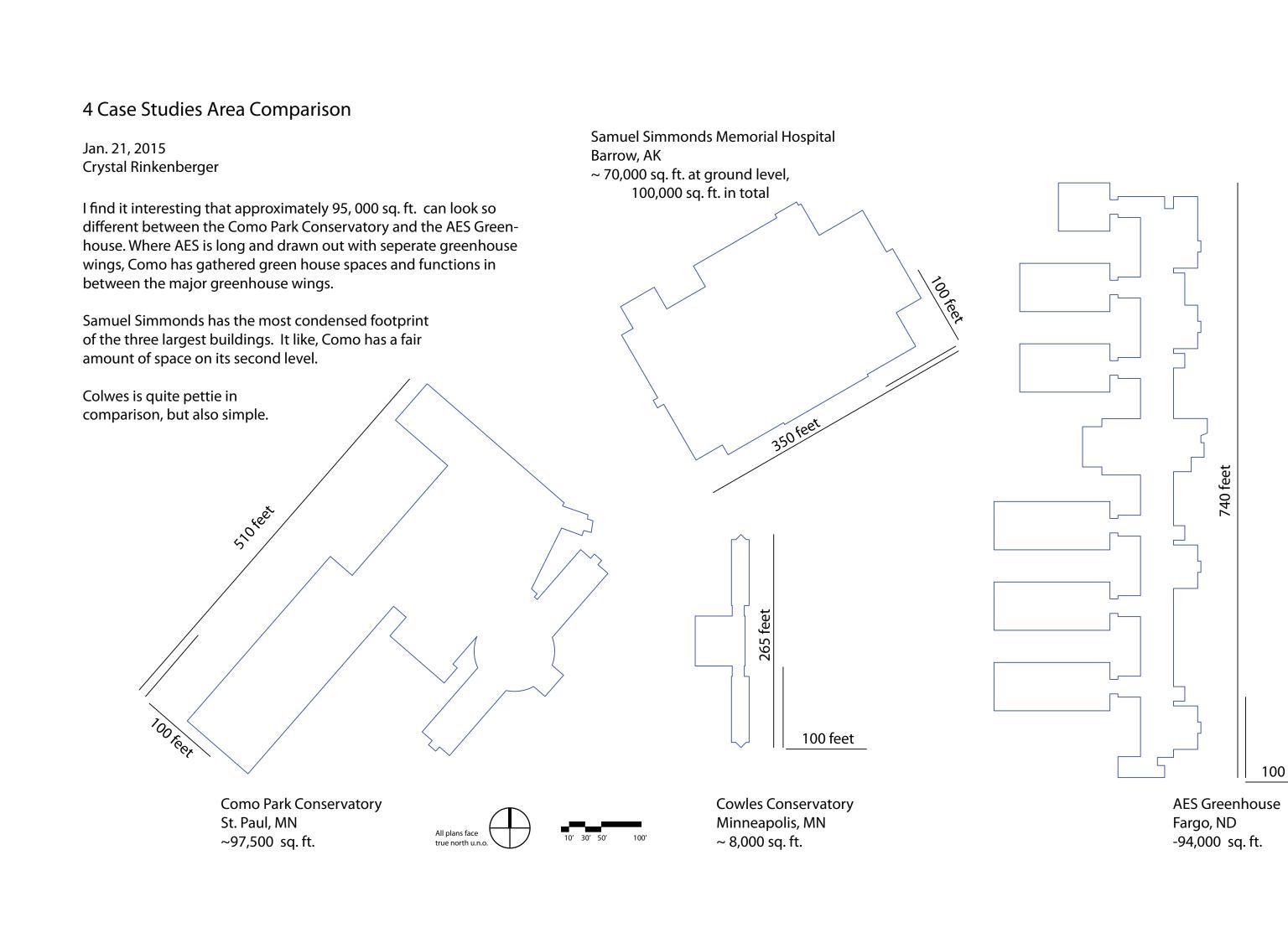
Greenhouse Details and

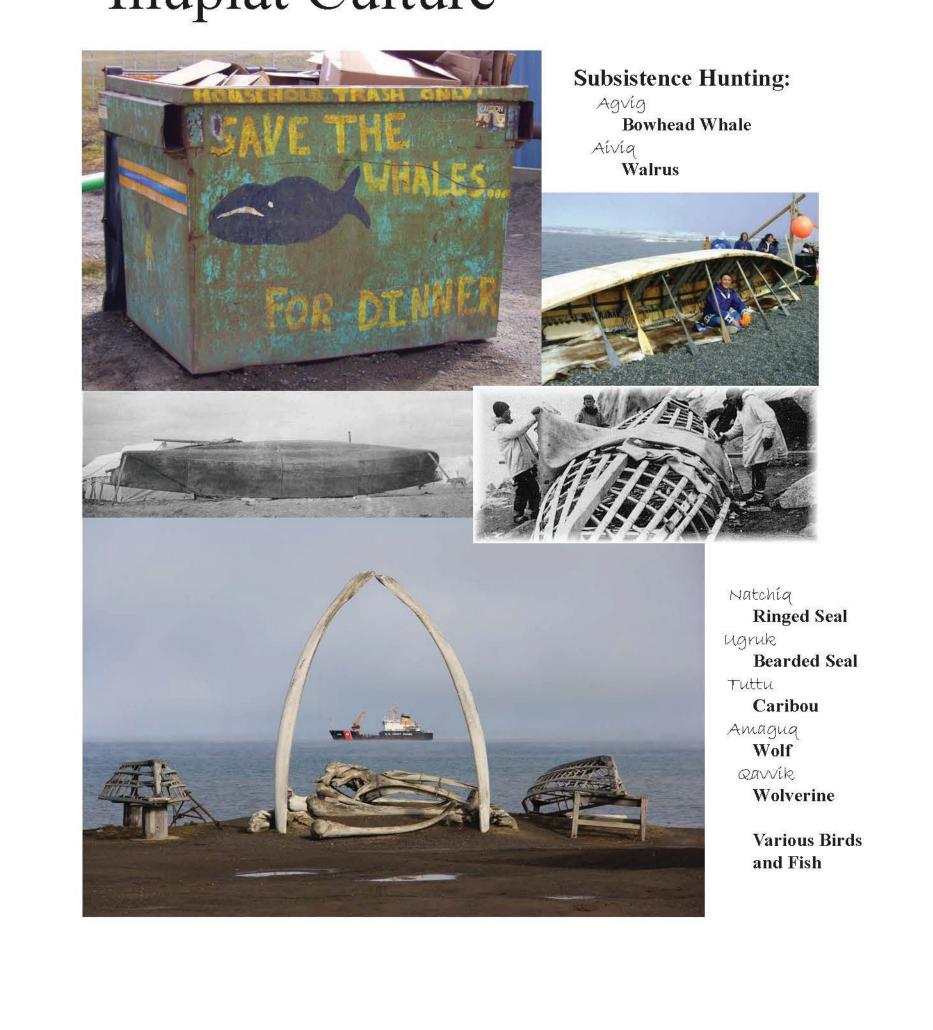
Greenhouse which survives Fargo winters quite well.



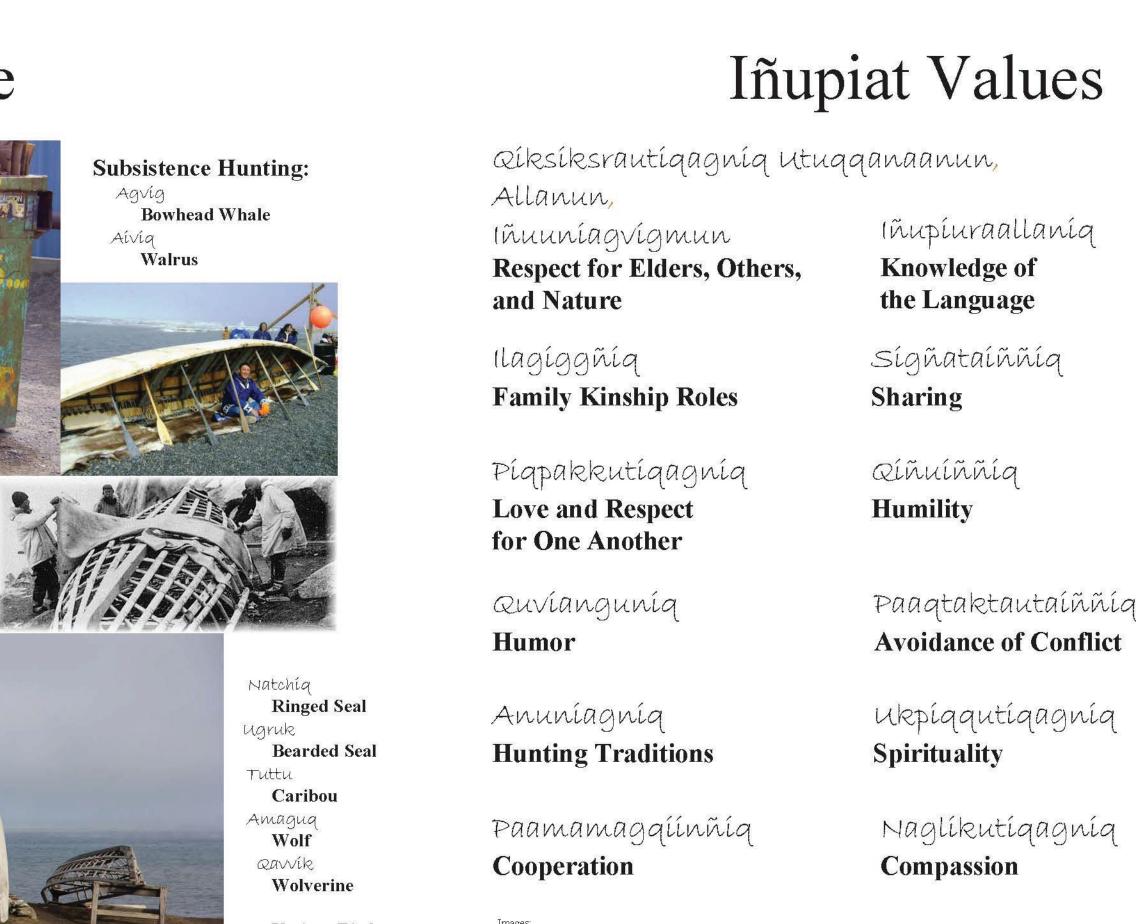








Conservatory has 11 steps to raise



Permafrost is defined as any soil that has remained

continuously frozen for at least two consecutive years.

