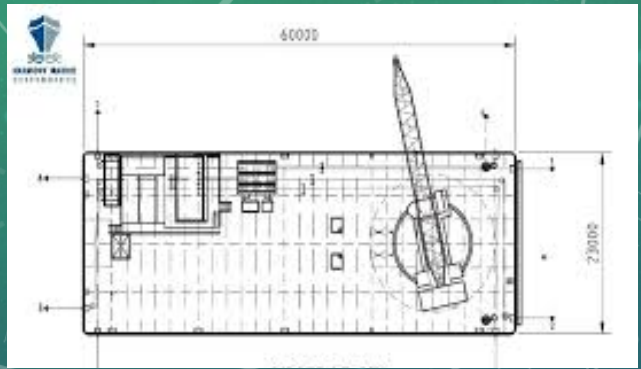


# Means and Methods of Residential Construction and Design in Remote Areas of Southeast Alaska

## Major Implications

- *Material Transportation*
- *Utility Acquisition*
- *Code Accordance*
- *Weather*
- *Daylight*



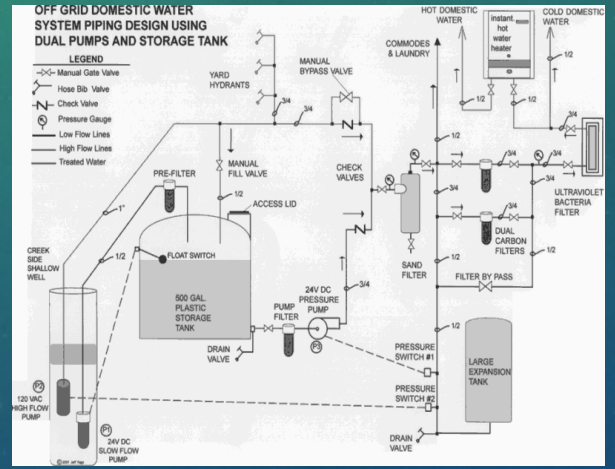
Standard barge w/ crane

Building in the remote locations of Southeast Alaska is currently an unexplored area of construction that has been avoided due to the complications that accompany such projects. Many property owners in the Southeast Alaska region face challenges due to a lack of common practices that would simplify the construction process, particularly those deprived of road access and utility services. These potential residents must rely on sustainable techniques and alternative modes of material transportation, creating an abundance of planning concerns. Additionally, while code restrictions are limited due to the uniqueness of these properties, certain codes regarding the Alaska Department of Natural Resources waterfront laws can reap havoc in building plans. However, custom architecture can be achieved as a result of schematic design and pertinent construction methods. By using both solar and generated power, modern filtration systems, and waste management equipment, mandatory utilities can be accounted for. Construction practices catered to remote development can also create more efficient means of building, trialed and tested by those with experience in this limited field. With the implementation of a general construction guide for remote construction in Southeast Alaska, landowners can utilize their premium estate to its maximum potential.

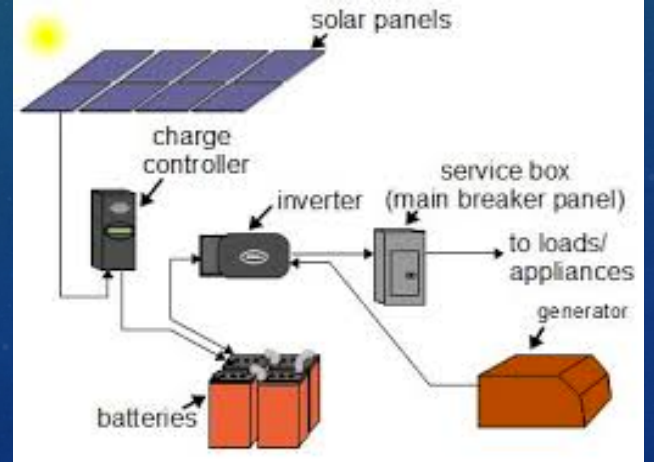
**Key Words:** Remote, Southeast Alaska, Residential, Utilities, Design

## Remote Utilities Systems

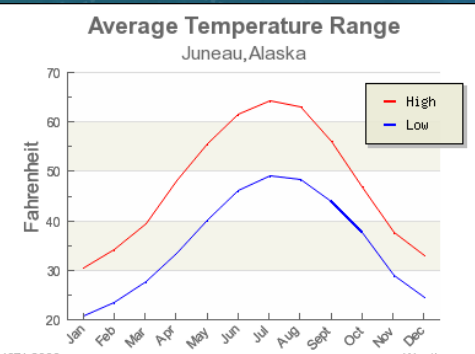
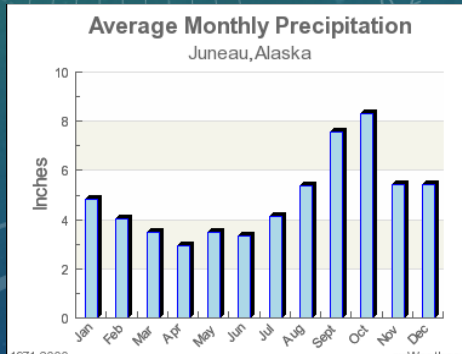
### Water capture and filtration



### Solar power w/ backup generator



### Typical Southeast Alaska Weather



### Average Daylight Hours

