

Tlingit-Haida Regional Housing Authority

Alaska Native Weatherization Training & Jobs Program



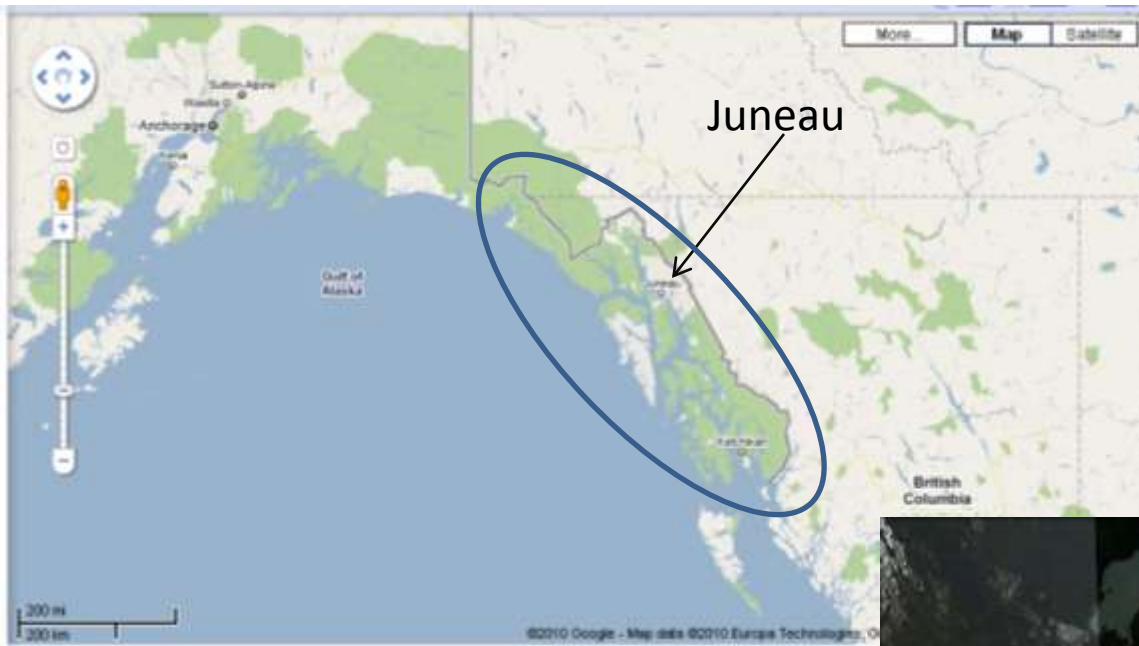
University of Alaska Southeast

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Southeast Alaska Weatherization Training Center



Southeast Climate Data - HDD

- Yakutat 9,485
- Angoon 8,450
- Haines 8,505
- Juneau (Airport) 9,105
- Ketchikan 7,084
- Sitka 8,011
- Tenakee Springs 8,180

Annual Water Equivalent Precipitation – 1971-2000

- Yakutat 160.38"
- Haines 47.63"
- Auke Bay 64.08"
- Juneau AP 58.33"
- Juneau City 86.98"
- Sitka AP 86.13"
- Petersburg 109.95"
- Wrangell 79.35"
- Ketchikan 137.40"
- Little Port Walter 225.53"
- Anchorage AP 16.08"



New Construction Practices



Technology & Research Partnerships



University of Alaska Southeast Construction Technology



Education Partner



AFFILIATE
ORGANIZATION

University of Alaska Occupational Endorsement

Building Energy Retrofit Technician
(BERT)

CT S122
Residential Renovation, Retrofit &
Repair (DVD deliverable)

CT S185
Building Diagnostics & Testing

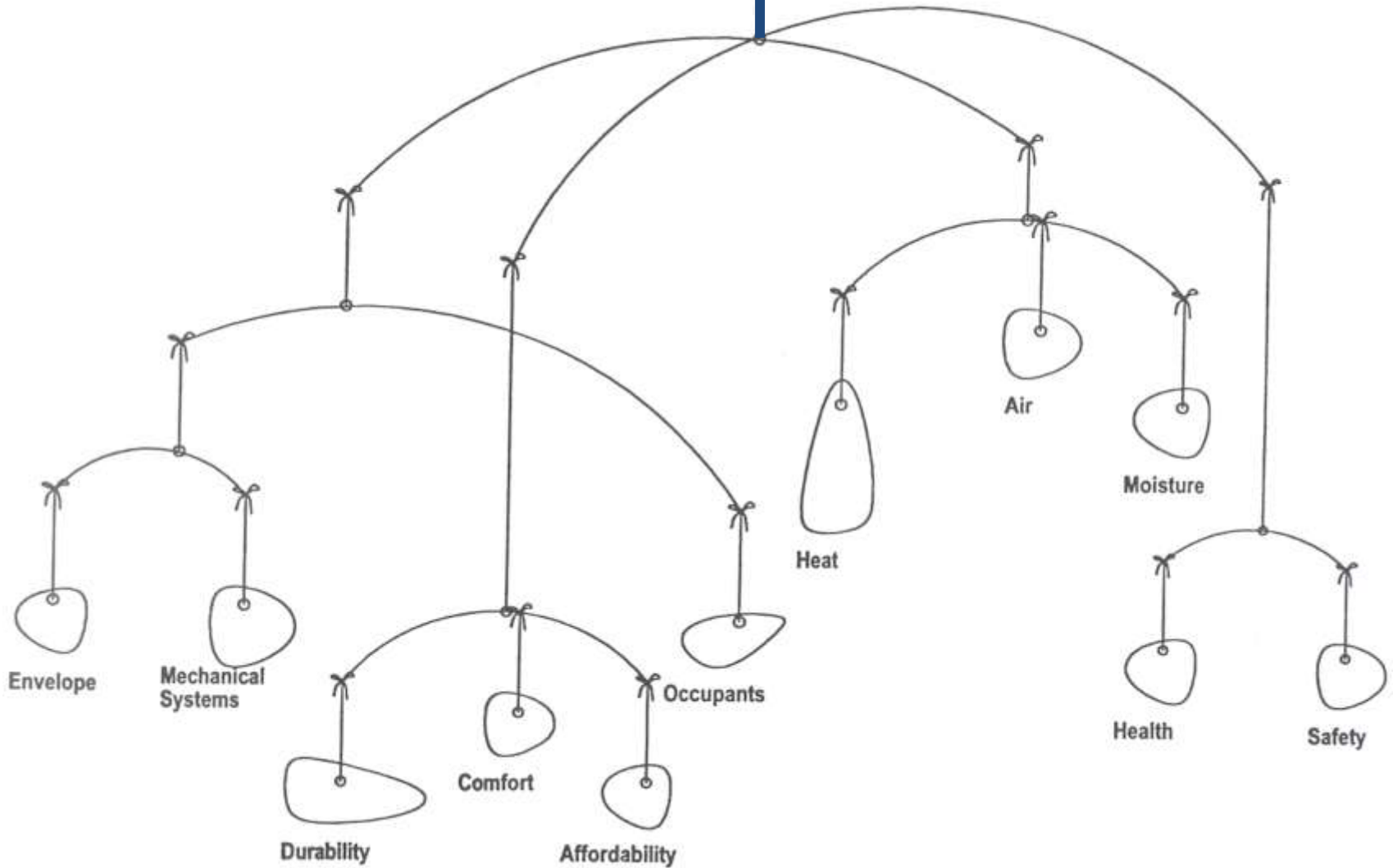
CT S201
Cold Climate Construction
(live, web & satellite delivered)

Weatherization I Technician

- 40 hour training
- Introduces job readiness & material installation techniques
- Classroom & hands-on experience
- Topics:
 - Buildings as a system theory
 - Air sealing materials & applications
 - Insulation products & methods
 - Basic blower door
- BPI Building Analyst approved certification curriculum



Balancing



Training Objectives

- Understand the difference between thermal and air barriers
- Know the proper location of thermal and air barriers
- Recognize the driving forces of air leakage
- Understand the connection between air leakage, energy waste, and moisture problems
- Understand how air ducts effect pressure balance within the home
- Understand the principle behind the blower door as a tool for measuring air sealing efforts
- **Do no harm to the building or the occupants**

Tlingit Haida Weatherization Training House





Classroom + Field Lab



Blower Door Training



Understanding Unplanned Airflows



Combustion Safety



Pressure Imbalances



Prioritizing Airsealing Efforts



Zonal Diagnostics



Ventilation Flows





Airsealing











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Thank You

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