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

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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

- Envelope
- Mechanical Systems
- Occupants
- Comfort
- Durability
- Affordability
- Heat
- Air
- Moisture
- Health
- Safety
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
Understanding Unplanned Airflows
Combustion Safety
Pressure Imbalances
Prioritizing Airsealing Efforts
Zonal Diagnostics
Ventilation Flows
Airsealing
Thank You

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