MISSION:
“Promoting and advancing the development of healthy, durable, and sustainable shelter for Alaskans and other circumpolar people through applied research.”
Site Preparation

Surcharging the Building Footprint

Soil Testing for Bearing Capacity
Excavation

Ground Breaking
Clai Porter – Chair CCHRC
Senator Gary Wilken
Mike Buller – AHFC
Bill Allen – USDA Rural
Steve Jones – UAF Chancellor
Jack Hebert – President/CEO CCHRC
Foundation Construction
A New Approach

Utility Corridor Floor Test Section

- Jacking Pier
- Jacking Pad
- Floating Concrete Floor
- Compacted Gravel Fill
- 2 Layers 2” Extruded Polystyrene
- Permafrost
- Insulated Concrete Form Wall
- Grade Beam
- Spread Footer
- 1 Layer 2” Extruded Polystyrene
- Native Soil Back Fill
- Non-Frost Susceptible Compacted Gravel Fill
Foundation
Forming Spread Footers
Foundation
Floor and Wall Construction

Utility Corridor Floor Test Section

- Jacking Pier
- Jacking Pad
- Floating Concrete Floor
- Compacted Gravel Fill
- 1 Layer 2" Extruded Polystyrene
- 2 Layers 2" Extruded Polystyrene
- Insulated Concrete Form Wall
- Grade Beam
- Spread Footing
- Non-Frost Susceptible Compacted Gravel Fill
- Native Nail Back Fill

Permafrost
Foundation

Jacking Column Construction
Monitoring

Jacking Column Monitoring
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Research  •  Innovation  •  Education

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