

Client/Developer: Coeur d'Alene Tribal Housing Authority  
 Architect: Thomas W. Angell, AIA  
 Contractor: MDM Construction Inc.  
 Engineer: Taylor Engineering Inc.

Sustainability Contractor: Pura Vida Homes LLC (Straw Bale Installation)  
 Site Design: Taylor Engineering Inc.  
 Research + Collaborators: University of Idaho's Bioregional Planning & Community Design Program



Photo: Tomas W. Angell

SUPER-INSULATED

This 18-unit multifamily housing project was constructed using environmentally friendly natural building techniques. These straw bale buildings were designed in collaboration with the Coeur d'Alene Tribal Housing Authority (CDATHA) and tribal members, with initial research and engagement by the University of Idaho's Bioregional Planning & Community Design Program. Prior to construction the CDATHA demolished 12 existing lead and asbestos structures, and salvaged a majority of timber for future reuse.

CORE PROJECT EMPHASES:

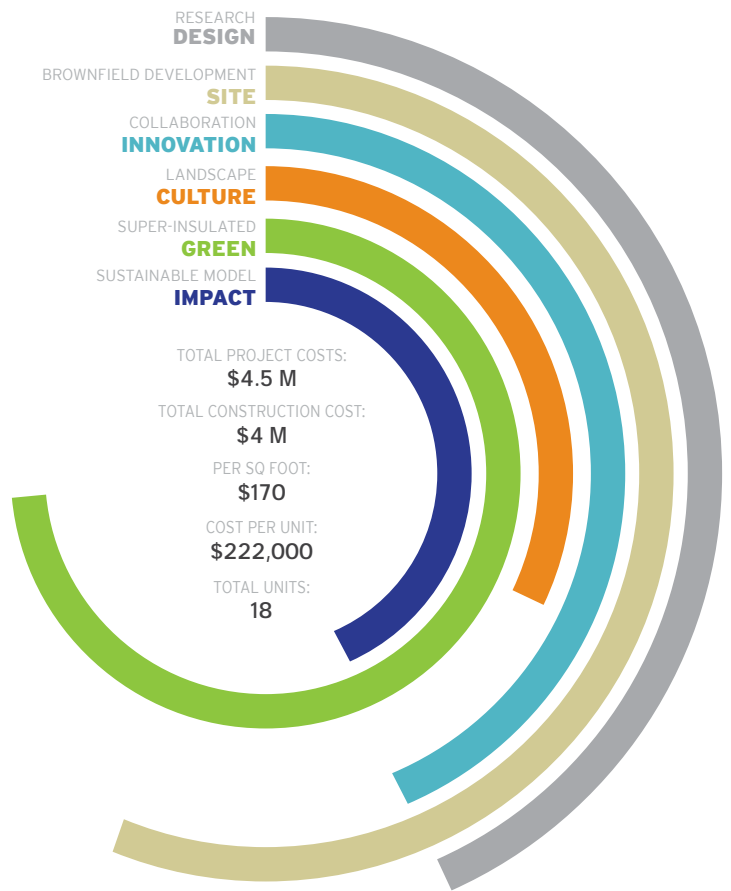


LESSONS LEARNED

- The ability to be flexible and the involvement of a good collaborator help the overall design and building process.
- High quality housing projects can foster a sense of pride to everyday living.

BEST PRACTICES

- Wood was salvage from old structures for creative reuse in future projects.
- Recovery ventilation combined with a super-insulated, straw bale wall system lowers energy costs significantly.
- Low-flow faucets, combined with ENERGY STAR appliances and no- to low-volatile organic compound materials, contribute to the greening of a healthy living environment.



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