History and Preservation of Bradford-Perley House Architectural Interpretation Site

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Abstract:

Colorado Preservation, Inc. reminds us, "It is vital that we remember our future by preserving the past." This paper reviews the history and describes the preservation efforts of one of the oldest buildings in Colorado, the Bradford-Perley House. The stabilized architectural site is currently used as an interpretive center. At the start of the project, critical issues were leaning walls, stone and mortar deterioration, and lack of drainage. Multiple non-destructive and material test methods were used to characterize the stone and mortar. The data gathered assisted in designing buttresses and support braces that were implemented to prevent additional wall displacement. A reinforced-bond beam was added around the perimeter to stiffen and stabilize the wall and prevent water from filtrating down into the walls. At the base of the structure, a combination of full- or partial-stone replacement or resurfacing options were used to rehabilitate the walls in addition to regrading to redirect moisture.

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