

CPI Foundation

Increasing Readiness for Our Veterans, Our Infrastructure, Our National Parks



Project Profile: Red Barn

project Structural Building Repair, Seismic Stabilization

objectives College Student Field Training, Historic Preservation, Owner Operational Need

team College Students & Community Volunteers

completed 2011-12

owner National Park Service

location Miwok Riding Stables, Golden Gate National Recreation Area, San Francisco, California



Before: Existing conditions, building rear



In Progress Top: New roof installation; Bottom: Splicing new wood members to historic



In Progress: Lifting entire structure to straighten, construct new foundation



After: Repairs complete, building rear

Project Highlights

- **Outcomes:** Overall structure repaired, entire building lifted and placed back down on new foundation, seismic stabilization, new roof over historic framing
- **Special Considerations:** NPS goal to rehabilitate the structure for eventual use and mitigate immediate safety concerns due to location in active visitor area; CPI completed project and invited community participation during special open days; NPS staff joined the team for a “barn painting day” at project completion
- **Work Items:** Coordinated with local house moving company to lift entire structure; worked with structural engineer to straighten structure; preserved historic wood members when possible; added new concrete foundation; added new flooring; added interior shear strengthening, added new roof over historic framing to preserve historic appearance from inside; repaired/rebuilt barn doors

PROJECT PROFILE details Red Barn



Top: Barn in lifted condition, placement of new concrete foundation; Bottom: foundation formwork



Foundation concrete placement



CPI & NPS partnering to train team members



Pre-project: Historic wood foundation rot



New foundation



Straightening the structural frame after barn lifted off foundation



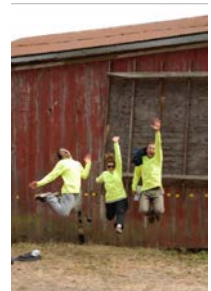
Top: Existing condition; Bottom: preserved/new members



Completed roof interior, preserved historic framing & decking remain visible



Painting repaired barn with NPS staff



Celebrating achievement & hard day of work

CPI FOUNDATION PROJECT & TECHNICAL CAPABILITIES

- Expert staff engage hands-on and manage teams of highly qualified and vetted members of our active duty armed forces preparing for transition to civilian careers
- Self-perform concrete, wood, steel, & composite construction as design-build projects coordinated with owners; larger projects include self-performed work in addition to managing consultants & sub-contractors
- Repair, new construction, and historic preservation projects in urban, remote, wilderness, and marine areas include historic structures & site features; visitor & utility facilities; trails; water utility systems; projects that improve access, health, safety, & recreation, including ADA access; roads; bridges; tunnels; and parking lots
- Leader in advancing innovative technological solutions to structural and infrastructure challenges that collectively promote durability, sustainability, and comply with preservation, environmental, & other regulations

The CPI Foundation is a proven public/private partnership program working with the U.S. Departments of Defense and Interior, and with industry companies across the country. The program benefits the United States and its taxpayers by combining the strengths and needs of three national concerns: our military veterans, our infrastructure, and our national parks. Helping avoid potential military-to-civilian transition pitfalls, CPI offers career preparation & placement and hands-on training programs for transitioning active duty service members at all levels from all service branches while completing construction, repair, deferred maintenance, and safety/access projects in national parks and public lands.