

CASE STUDY

The Agility and Resilience of Log Cabin Kits



OVERVIEW

In 2021, the United States Marine Corps Community Services (MCCS) Miramar invested in two custom ADA-compliant duplex cabin models to enhance accommodations at the Big Bear Recreation Facility in Big Bear Lake, California. These 30' x 50' log cabins were designed as vacation rentals for military personnel and Department of Defense (DOD) employees, providing comfort, flexibility, and full accessibility for wounded warriors. Each building features two separate rental units that can be combined into a single large rental as needed.

KEY TAKEAWAYS

- **Proven Durability:** The cabins successfully withstood heavy snow loads, showcasing the resilience of engineered log construction.
- **Weather Adaptability:** Designed for extreme conditions, the cabins maintained their integrity despite being buried in snow for weeks.
- **Military-Grade Reliability:** These structures offer a dependable and comfortable lodging solution for military personnel, even in challenging environments.
- **Accessibility & Flexibility:** Fully ADA-compliant and adaptable for different rental configurations, the cabins cater to diverse guest needs.

OBJECTIVES

COMPLIANCE

The cabins were engineered to California specifications and sealed by a certified engineer, ensuring they met the necessary structural and safety regulations. Their design prioritized durability, adaptability, and ADA compliance, making them an ideal solution for military lodging in extreme weather conditions.

RESILIENCE

The winter of 2022-2023 brought record-breaking snowfall to the Big Bear Lake area, with a total season accumulation of 23 feet. One storm alone deposited 15 feet of snow at once, burying the cabins up to their roof peaks for several weeks. Access to the buildings was impossible due to the sheer depth of the snow.

Despite the immense weight and prolonged exposure to extreme conditions, the log cabins remained structurally sound, with no roof collapses, no structural failures, and complete watertight integrity once the snow melted. This performance underscores the exceptional strength and reliability of log cabin construction in even the harshest environments.

CONCLUSION

The performance of these custom log cabins during one of the most severe winters in recent history solidifies their agility, strength, and reliability. For organizations seeking cost-effective, durable, and adaptable lodging solutions, log cabin kits provide a proven, long-lasting investment.

For more information on custom log cabins for military, government, and recreational use, visit [Conestoga Log Cabins](https://www.conestogalogcabins.com).



ConestogaLogCabins.com

