



**MODERN BUILDING SYSTEMS, INC**

*"The Environmentally Smart Choice..."*

# Project Summary

**Red Dog Mine**

[www.mbs-modular.com](http://www.mbs-modular.com)



Located approximately 200 miles north of the Arctic Circle in the harsh climate of Kotzebue, Alaska. Where the temperature dips down to 75 degrees below zero and the wind chill factor can reach minus 130 degrees Fahrenheit, [Modern Building Systems](#) placed this 4 story, 80 room permanent accommodations complex for the **Red Dog Mine** employees.

This structure was the fifth wing addition to an existing modular building, increasing the total housing capacity to up over 400 occupants. All materials were transported to the site by barge, which took approximately 45 days from the plant to the site. The only access to the site for the construction crew was to be flown in and Mother Nature determined the workers schedules.

Being near the top of the world brought on other problems as well. Wind gusts reached up to 120 mph during winter storms and a permafrost earthen shell required a pile driven into the Earth's crust at depths of up to 30' in some areas. While on-site our workers experience 24 hours of daylight during the summer and 24 hours of darkness during the winter. This posed some special requirements on the building as well. All of the windows were fitted with light blocking shades, so that weary summer workers could get some much needed rest after a long day of mining one of the world's largest lead & zinc reserves.

Even with the weather and special needs, all modules were placed into position in just 5 days. The project was completed in just over 6 months, from engineering to occupancy.

When your project requires specific space in remote areas, [Modern Building Systems](#) has the knowledge and the expertise.

## Features:

- Permanent 4-story wood modular structure
- Remote Arctic location
- 80 room addition
- Furnished units
- Site specific design
- Rapid Construction
- Temperature ranges from -75°F to 60°F
- 24-hour darkness during final phase of construction

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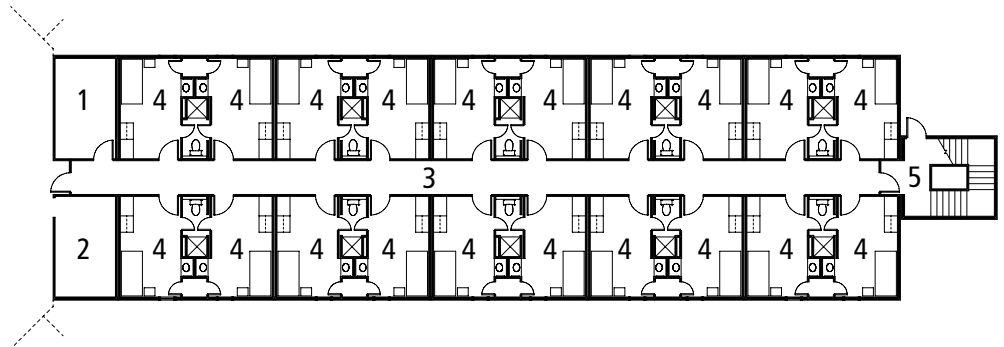
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## Red Dog Mine

1. Laundry
2. Utility
3. Corridor
4. Rooms
5. Stairway



## Modern Building Systems, Inc. Mobile and Modular Offices: Tomorrow's Solutions Today

When you consider the time, cost and flexibility your new building will involve consider **Modern Building Systems**.

We offer speed and efficiency for expansion or relocation and can build to compliment existing structures. Our economical, attractive, and functional commercial space is built with environmentally responsible turnkey construction.

Complete services include design and engineering offering potential savings in construction costs over site-built buildings. Your complete facility will be built on our premises and is ready for immediate occupancy on your land within days. If you need, the entire modular building can be relocated to another site in the future.

Our personal service and professional staff will work with you to meet all your building needs. For an accurate advance estimate of the budget and time requirements of a modular solution, call today for more information.

*"Without Modern Building Systems' outstanding management and competent, professional staff, it would not have been possible to consistently meet our tight budgets and limited schedule."*

Reg Martinson, Director of Facilities  
 Evergreen School District

### Modern Building Systems, Inc.

**800.682.1422**

Visit us at:

**[www.mbs-modular.com](http://www.mbs-modular.com)**

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