

ReidMiddleton

Civil & Structural Engineering
Surveying, & Planning

SEATTLE FIRE DEPARTMENT

8729

Structural
Improving Healthcare Safety





Naval Medical Center San Diego, San Diego, CA

Over the last 15 years, the U.S. Navy has been quietly improving the seismic safety and earthquake preparedness of major medical facilities on the West Coast of the United States. Seismic safety programs have been developed for Naval Hospital Bremerton (NHB), Naval Medical Center San Diego (NMCSD), and Naval Hospital Twentynine Palms (NHTP) totaling nearly 2.8 million SF that combine a comprehensive seismic upgrades program with the development of a post-earthquake assessment program. These seismic programs have spawned innovations in seismic upgrade design and the tools available for the post-earthquake inspection of critical facilities.



Naval Hospital Twentynine Palms, Twentynine Palms, WA

Seismic Retrofit

Structural engineering at Reid Middleton has focused on the design of efficient and effective seismic upgrades. Over the past seven years, we have designed more than 90 seismic upgrade and renovation projects and designed more than six million square feet of new buildings. This includes work on a variety of fire stations and critical transportation facilities, Anchorage International Airport, and essential pier facilities for the United States Navy.

Historic Renovation

Reid Middleton's structural engineers have experience upgrading and improving many significant older and historic structures. Our engineers appreciate that, when working with historic buildings, the best solutions are the ones that are least noticeable once construction is complete. Historic buildings are high-profile projects that require low-profile solutions. We also excel at providing informational boards and public presentations to explain what our designs will do and how they meet the community's vision of their beloved building.



Paradise Inn Rehabilitation, Paradise, WA



Grays Harbor County Courthouse Seismic Renovation, Montesano, WA

Public Sector Facilities

Eighty-nine percent of Reid Middleton's projects are for public-sector clients. Each day, our engineers interact with municipalities and government agencies. As a result, we understand the issues public agencies deal with on a regular basis, and our project managers excel in working successfully with public clients.

Critical Infrastructure

As a regional leader in the application of Performance Based Design for critical facilities, we have developed innovative techniques to retrofit critical buildings. By using a combination of traditional construction methods with forward-looking energy dissipation and fiber-composite construction, we have been able to minimize the aesthetic impact of seismic strengthening while saving time and money. Reid Middleton's experience includes the design, renovation, and evaluation of more than 40 fire stations, and dozens of other critical buildings, military facilities, and hospitals.



Dubai World Trade Center, Dubai, UAE



Providence AK Parking Garage, Anchorage, AK

What Our Clients Say

"The seismic renovation project was complex and challenging. While our primary goal was to improve the seismic performance for the hospital, a secondary goal was to perform the work in our operational hospital without significantly impacting the medical mission. Reid Middleton utilized innovative methods to satisfy both of these goals."

Russ Kent - Facility Manager - Naval Hospital Bremerton

"In my 25 years of experience in public works projects, I have not been more impressed with a company's service capabilities than I am with Reid Middleton. From the project manager, Dave Swanson, to the project engineer, . . . the demonstrated skills, sensitivity, and a common sense approach have always been evident."

Michael Daniels - Director of Public Services - Grays Harbor County

"Their engineers have established a strong working relationship with our staff, as well as other members of the large multi-disciplinary design team. We are very satisfied with their expert engineering capability and their ability to easily communicate often complex engineering issues in simple, easy to understand terms."

Glen Fuglestad - Terminal Redevelopment Port Manager
State of Alaska, Department of Transportation & Public Facilities



About Reid Middleton

We are civil & structural engineers, surveyors, & planners.
People Engineering for People.

People count on us to look out for their safety and quality of life. We know what we do is important, and we take the responsibility seriously. The great thing about it is that we love doing it & delivering it in an uncommonly personal way.

Aviation

Hangars
Terminals
Support/
Maintenance
Facilities

Academic

K-12
Higher Education

Civic/Public

Civic Centers
Libraries
Sports &
Recreation
Justice
Fire Stations
Senior & Youth
Centers

Commercial

Office & Retail
Banking
Hospitality
Mixed-Use

Healthcare

Hospitals
Clinics
Laboratories

Renovation

Seismic Risk
Assessment
Seismic Retrofit
Historic
Preservation

Special Projects

Parking Structures
Bridge/
Transportation
Industrial
Military
Code Consulting

Waterfront

Marine Structures
Over-water
Facilities
Upland Structures

ReidMiddleton

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