



# GRUPPE

CIVIL AND STRUCTURAL CONSULTANT



## GRUPPE CONSULTANT

is a **civil and structural engineering consultant** who is able to provide civil, structural and geotechnical engineering consultancy services within a number of different sectors of the construction industry. Our Engineering Department has been built on experience, with over 20 years' design knowledge. Our services include the assessment and reporting of existing structures as well as the design and detailing of new developments.



# CIVIL ENGINEERING

Civil engineering is the practice of designing the interface between the natural and built environments. At GRUPPE, we seek to embody this balance and ensure that our design meets client needs while adhering to the constraints of the natural environment.

GRUPPE provides a wide assortment of design services across many project types:

Commercial  
Education  
Healthcare  
Hospitality  
Light Industrial  
Public Works  
Recreation  
Retail  
Civic



## SITE DEVELOPMENT

No two sites are the same, and each brings its own challenges and complexities with many moving parts and demands. Designing functional, resilient, and attractive sites requires creativity and flexibility. GRUPPE's civil team applies those qualities to all of our work, which includes:

Site Plans  
Site Grading and Drainage Plans  
Vehicular Circulation Analysis  
Pedestrian Accessibility Analysis and Design (ADA)  
Master Planning  
Land Use Planning  
Permitting

## WATER RESOURCES

Properly managing natural resources is essential to protecting the beauty and health of our environment. Our work with water resources involves not only the design and analysis of natural water systems but managing stormwater runoff from the project site. GRUPPE is experienced in all aspects of water resources design and has worked closely with many jurisdictions to ensure we are meeting local national requirements. We address:

Stormwater Management  
Treatment  
Detention/Flow Control/Infiltration  
Conveyance  
Low Impact Development  
Downstream Analysis



## UTILITIES AND INFRASTRUCTURE

Utilities and infrastructure are at the heart of any development project. Whether it's preliminary master planning or final construction drawings, GRUPPE has the experience and expertise necessary to navigate the complex and sometimes contradictory rules and requirements set by local jurisdictions. Our utilities and infrastructure work includes:

Stormwater Management  
Water System Design  
Sanitary Sewer System Design  
Street and Roadway Design  
Public Frontage Improvements



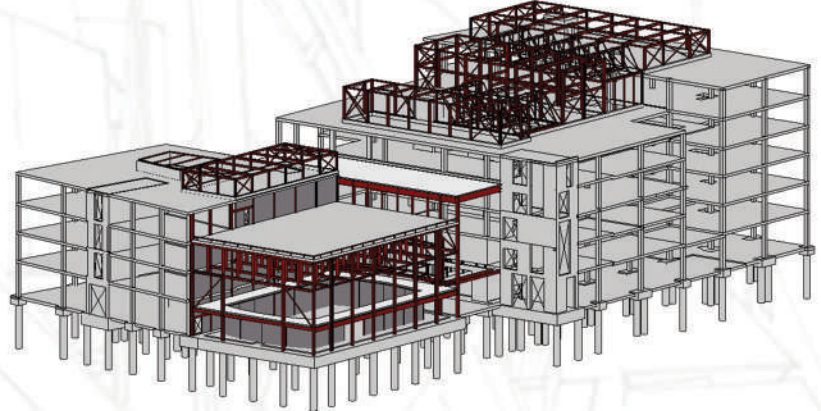


# STRUCTURAL ENGINEERING

As consulting engineers, GRUPPE performs a full suite of structural engineering services for a variety of structures at all building phases. We have experience designing structures for new construction, as well as adapting historic buildings for seismic upgrades and renovation. Working with the owner, architect, and builder, our job is to provide three solutions for every potential problem—always. Above all else, we strive to show our clients how much we care.

Our services include:

Adaptive Reuse / Seismic Retrofits  
Structural Design  
Hydropower and Utilities  
LEED / Sustainable Design  
Renovation / Preservation



## STRUCTURAL DESIGN

We like the tough projects. At GRUPPE, we approach every problem with two sayings: “pretend you have to pay for it” and “pretend you have to build it.” Our designs prioritize low cost and easy construction. We have extensive experience with a diverse range of materials: structural steel, reinforced concrete, post-tensioned concrete, reinforced masonry, and light and heavy timber.

GRUPPE excels at a number of building types, including:

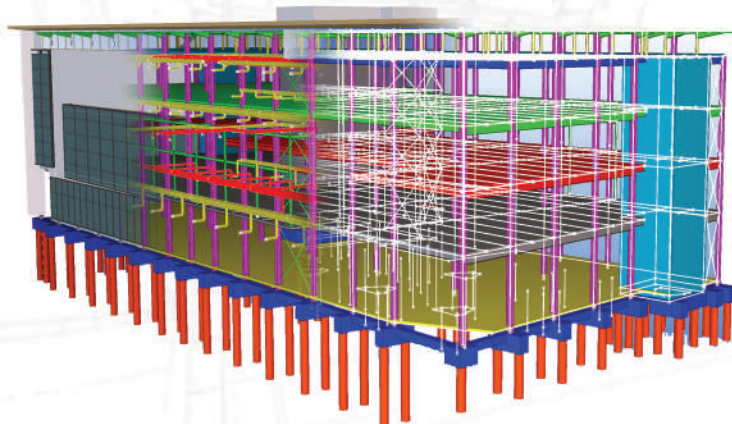
Affordable housing  
Apartments and townhomes  
Higher Education  
Hydropower  
Industrial and climbing walls  
Schools  
Medical and hospitals  
Mixed use  
Office  
Public works  
Resort  
Retail  
Airport  
Rest and service area

## CREATIVE SOLUTION FOR CREATIVE PROJECTS

We strive to make our work “disappear”—good structural engineering should be invisible so as to bring the design to the front and center. GRUPPE is designers’ go-to firm for innovative and challenging new construction projects. We pride ourselves on the bold and innovative architecture that we have helped create. The Latin root of the word “engineer” is ingenuity after all, and we work hard to be ingenious.

Our creative projects include:

Climbing walls  
Rope courses  
Sporting arenas  
Hydroelectric and dams  
Bold architectural features





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## CONTACT



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