

Building & Fire Code Consulting



BUILDING CODE CONSULTING SERVICES

- Building and Fire Code Compliance Consulting
- Fire and Life Safety Design Reviews
- Smoke, Fire, and Egress Modelling
- Fire-Resistance and Heat Transfer Analysis
- Performance-Based Design and Alternative Solutions
- Code Issues Resolution and Negotiations
- Code Compliance Audits
- Design of Active and Passive Fire Protection Systems
- Independent Professional (Third-Party Review)
- Certified Professional Services (British Columbia)
- Fire/Life Safety & Building Code Studies for Mature or Heritage Buildings
- Commissioning
- Means of Egress Evaluation
- Plan Review
- Property Condition Assessments
- Barrier-Free Accessibility Analysis
- Product Compliance and Testing
- Education and Training Seminars

FIRE CODE CONSULTING SERVICES

- Fire Safety Plans
- Emergency Planning
- Indoor and Outdoor Storage
- Flammable & Combustible Liquids
- Combustible Dust Hazard Analysis
- Fire and Explosion Hazard Assessment
- Quantitative Risk Analysis
- Explosion Protection System Design
- Laboratory Design



JENSEN HUGHES

Advancing the Science of Safety

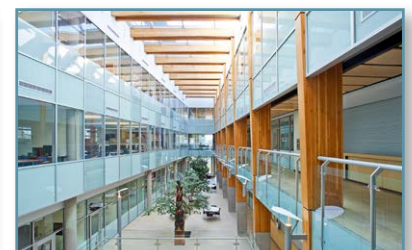
JENSEN HUGHES is a global leader in specialty engineering and consulting services for the full life cycle of the built environment. We are a company of over 1,200 engineers, architects, consultants and scientists focused on evaluating risks and diligently developing the best, most cost effective protection and safety solutions. We offer extensive, practical experience through countless projects, research and industry innovation.

We offer a full range of building and fire code consulting services designed to fit the needs of developers, owners, architects and contractors. Code consulting services provide the occupants of all buildings, both public and private, with a safe environment that meets today's standards.

Our team has in-depth knowledge and experience in navigating and understanding the National and Provincial Building and Fire Codes. We work closely with clients to ensure that code requirements are clearly understood and that they are properly applied to the project. Where strict code-compliance may not be feasible or appropriate, we develop alternative solutions to help preserve the design intent while achieving safety objectives. Our experience allows us to successfully present our clients' designs to code authorities and support navigation of the approvals process.

We know the codes... because we help create them

JENSEN HUGHES has earned a reputation as a trusted expert among authorities, legislators, and inspectors. As members of National and Provincial Code committees, the National Fire Protection Association (NFPA), the International Code Council (I-Codes), as well as ULC, CSA and other regulatory organizations, JENSEN HUGHES engineers participate in the development of code and fire safety requirements. Our staff are instrumental in the development of fire models, modeling techniques, and data collection. We encourage our staff to undertake research projects and partner with government and universities to advance the knowledge of fire safety.





SECTORS WE SERVE

Assembly

Education

Post-Secondary , K-12

Public Safety

Healthcare

Hospitals, Laboratories, Long-Term Care Facilities

Transportation

Airports, Rapid Transit Stations, Bus Stations, Transit Maintenance Facilities

Commercial Real Estate

Power, Energy and Utilities

Nuclear Power, Hydro Electric, Alternative Energy Sources

Retirement and Care

Hospitality & Lodging

Industrial

Oil & Gas, Mining, Manufacturing, Fuel Storage Processing, and Warehousing

Laboratories & Data Centres

Gaming & Recreation



The Code is a complex document that addresses a wide range of building and fire safety issues. JENSEN HUGHES can clarify the code requirements and assist with incorporating the requirements into specific design applications.

Alternative Solutions

Alternative solutions are an option for achieving code compliance using performance based design strategies. They are particularly suited to innovative designs that do not fit into the prescriptive requirements of the code. This allows the life safety requirements of the code to be achieved without compromising architectural vision or design objectives.

Accessibility / Barrier-Free Design

Our specialists are available to assist with integrating accessibility design compliance into proposed concepts and existing conditions. Accessibility audits help demonstrate a projects level of compliance with Provincial, National, and/ or International Standards and Codes. Our team also helps businesses develop accessibility policies that validate their commitment to maintaining an accessible work space/ built environment.

Fire Safety Plans

JENSEN HUGHES prepares detailed Fire Safety Plans to clearly illustrate design intent and demonstrate compliance with applicable code requirements. The Fire Safety Plans shows key means of egress, fire-safety construction features and hazardous materials control areas. We outline fire and life safety requirement and indicate roles and responsibilities of supervisory personnel.

Commissioning

Building Commissioning is a quality-assurance process to ensure that the life safety building systems are installed and operate as the owner intended, in accordance with the construction documents and any applicable Codes and Standards. Commissioning services include documentation, adjustment, testing, verification, training and integration. Upon request, Jensen Hughes can provide commissioning services exclusively, but not limited to, the following systems: fire alarm and sprinkler, architectural (passive), smoke control, pressurization, lighting and emergency power, and voice communication.

Certified Professional (CP)

Some municipalities in British Columbia use an alternate permit process known as the Certified Professional (CP) Program. The program facilitates the issuance of building permits for new or existing buildings by taking on a review and inspection role on behalf of the City. Through this program, participating municipalities can issue a building permit on the certification of a licenced professional engineer or architect with CP training.

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