

CONFIRMATION OF PROFESSIONAL ASSURANCE DESIGN AND COMMITMENT FOR FIELD REVIEW

- Note:
- (i) This Document must be submitted before issuance of permit.
 - (ii) The meanings of words in *italic* will have the same meaning as in the National Building Code of Canada, the National Plumbing Code of Canada or as found at the end of this document.

To: The *authority having jurisdiction*

Re:

Name of Project

Civic Address of Project **required**

Legal Address of Project

The Undersigned hereby gives assurance that the design of the components of the plans and supporting documents for the project (including Post-disaster buildings) prepared by this *registered professional* in support for the *building* permit, substantially comply with the Yukon Building Standards Act and Regulations, the National Building Code of Canada, Bylaw 99-50 and other applicable regulations with regards to safety.

Any person responsible for inspection or review of the work shall, upon request, make copies of all inspection or review reports available to the authority having jurisdiction. The undersigned also undertakes to notify Land & Building Services – Building Inspections, as soon as practical, of the contract for field review being cancelled at any time during construction.

The following circled items will be reviewed either by me or under my direction and to my satisfaction.

Architectural

- 1.1. Fire Resisting Assemblies
- 1.2. Fire Separations and their Continuity
- 1.3. Closures, including Tightness and Operation
- 1.4. Interior and Exterior Finishes, including Exterior Glazing
- 1.5. Egress Systems, including Access to Exit within Suites & Floor Areas
- 1.6. Performance and Physical Safety Features (guardrails, handrails, etc.)
- 1.7. Structural Capacity of Architectural Components, including Anchorage & Seismic Restraint
- 1.8. Roofing and Flashings
- 1.9. Wall Cladding Systems
- 1.10. Dampproofing and/or Waterproofing of Walls & Slabs Below Grade
- 1.11. Thermal Insulation Systems, including Condensation Control & Cavity Ventilation
- 1.12. Sound Control
- 1.13. Landscaping, Screening and Site Grading
- 1.14. Provisions for Fire Fighting Access

Architectural (cont'd)

- 1.15. Access requirements for Persons with Disabilities
- 1.16. Elevating Devices
- 1.17. Coordination of Testing of Fire Emergency Systems & Maintenance Programs
- 1.18. Development Permit and Conditions therein
- 1.19. Local Building and Plumbing Bylaw requirements
- 1.20. Interior Signage, including Acceptable Materials, Dimensions & Locations
- 1.21. Construction Safety Measures
- 1.22. Review of all applicable Shop Drawings

Structural

- 2.1. Structural Capacity of Structural Components of the Building, including Anchorage & Seismic Restraint
- 2.2. Structural capacity of a *post-disaster building*, anchorage & seismic restraint
- 2.3. Structural Aspects of Deep Foundations
- 2.4. Qualification of structural welder
- 2.5. Excavation & Shoring
- 2.6. Underpinning
- 2.7. Backfill
- 2.8. Review of all Applicable Shop Drawings

Mechanical

- 3.1. HVAC Systems & Devices, including High Building Requirements where applicable
- 3.2. Fire Dampers at Required Fire Separations
- 3.3. Continuity of Fire Separations at HVAC Penetrations
- 3.4. All Environmental Separation Requirements
- 3.5. Energy Efficiency
- 3.6. Functional Testing of Mechanically related (i.e. Sprinkler systems) Fire Emergency Systems & Devices
- 3.7. Maintenance Manuals for Mechanical Systems
- 3.8. Structural Capacity of Mechanical Components, including Anchorage & Seismic Restraint
- 3.9. Review of all applicable Shop Drawings

Plumbing

- 4.1. Roof Drainage Systems
- 4.2. Site & Foundation Drainage Systems
- 4.3. Plumbing Systems & Devices
- 4.4. Sprinkler Systems & Devices were Applicable
- 4.5. Continuity of Fire Separations at Plumbing Penetrations
- 4.6. Local Building & Plumbing Bylaw requirements
- 4.7. Functional Testing of Plumbing Related Fire Emergency Systems & Devices
- 4.8. Maintenance Manuals for plumbing Systems
- 4.9. Structural Capacity of Plumbing Components, including Anchorage & Seismic Restraint
- 4.10. Review of all applicable Shop Drawings

Fire Suppression Systems

- 5.1. Suppression Systems Classification for Type of Occupancy
- 5.2. Design Coverage, including Concealed or Special Areas
- 5.3. Compatibility & Location of Electrical Supervision, Ancillary Alarm & Control Devices
- 5.4. Evaluation of the Capacity of City Water Supply Versus System Demands & Domestic Demand, including Pumping Devices where necessary
- 5.5. Qualification of Welder, Quality of Welds & Material
- 5.6. Acceptance Testing for “Contractor’s Material & Test Certificate” as per NFPA Standards
- 5.7. Maintenance Program & Manual for Suppression Systems
- 5.8. Structural Capacity of Sprinkler Components including Anchorage & Seismic Restraint
- 5.9. For Partial Systems – Confirm Sprinklers are Installed in all Areas where required.
- 5.10. Fire Department Access Requirements
- 5.11. Fire Department Connections & Hydrant Locations
- 5.12. Fire Hose Standpipes
- 5.13. Functional Testing of Fire Suppression Systems & Devices
- 5.14. Review of all Applicable Shop Drawings

Electrical

- 6.1. Electrical Systems & Devices, including High Building Systems where applicable
- 6.2. Continuity of Fire Separations at Electrical Penetrations
- 6.3. Functional Testing of Electrical Related Fire Emergency Systems, Fire alarm systems and waterflow-indicating devices
- 6.4. Emergency Electrical Power Supply for Buildings where applicable
- 6.5. Electrical Systems & Devices Maintenance Manuals
- 6.6. Structural Capacity of Electrical Components, including Anchorage & Seismic Restraint
- 6.7. Clearances from Building of all Electrical Utility Equipment
- 6.8. Fire Protection of Wiring for Emergency Systems
- 6.9. Review of all Applicable Shop Drawings

Geotechnical – (Temporary)

- 7.1. Excavation
- 7.2. Shoring
- 7.3. Underpinning
- 7.4. Temporary Construction Dewatering

Geotechnical – (Permanent)

- 8.1. Bearing Capacity of the Soil
- 8.2. Geotechnical Aspects of Deep Foundations
- 8.3. Compaction of Engineered Fill
- 8.4. Structural Considerations of Soil, including Slope Stability & Seismic Loading
- 8.5. Backfill
- 8.6. Local Building & Plumbing Bylaw Requirements
- 8.7. Permanent Dewatering

8.8. Permanent Underpinning

Commissioning of life safety and fire protection systems

9. Commissioning of life safety and fire protection systems

(The *registered professional* shall complete the following)

Name

Company

Address

Phone Number Email

I hereby give assurance that I am a *registered professional* as defined in this document.

(Professional's Seal and Signature)

DATE: _____

Definitions:

Field review means a review of the work at a building site and, where applicable, at locations where building components are fabricated for use at the building sit that a *registered professional* in their professional discretion considers necessary to ascertain whether the work substantially complies in all material respects with the plans and supporting documents prepared by a *registered professional*.

Building Commissioning means where there is *life safety systems* and/or *fire protection systems* that are installed in compliance with the National Building Code of Canada or the National Fire Code of Canada. These systems have been tested together to ensure the proper operation and inter-relationship between the systems.

Fire protection systems means heat and smoke detectors that can active audible alarms that may automatically notify local fire departments, sprinkler systems, standpipe systems, hand operated extinguishers, the ability to control smoke spread thru ventilation, and pressurization control, door open devices, elevator recalls, smoke and fire dampers.

Life safety systems means any building element designed to protect and evacuate its population in emergencies and less critical events.

Registered professional means a person who is registered or licensed to practice as a professional engineer under the Engineering Profession Act