

**CONFIRMATION OF
PROFESSIONAL ASSURANCE**

ASSURANCE OF “DESIGN” AND “FIELD REVIEW”

Planning & Development Services
Building Inspections
City of Whitehorse
2121 Second Avenue
Whitehorse, Y.T.

Dear Sir/Madam:

Re: _____

(Address of Project)

The undersigned hereby gives assurance that the design of this building system conforms to all of the requirements of the current City of Whitehorse Building/Plumbing Bylaw 99-50. Further that the undersigned will be responsible for “field reviews” of the above mentioned building/structure.

As used herein, “field reviews” shall mean such reviews at the project site and at fabrication locations as the Engineer/Architect, in his professional discretion, considers to be necessary in order to ascertain that the work substantially conforms in all material respects to the plans and supporting documents prepared by the Engineer/Architect and “accepted” by the City of Whitehorse for the project. This will include keeping records of all site visits and any corrective actions taken as a result thereof.

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 Planning & Development Services Department – Building Inspections as soon as practical of the contract for field review is 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

Architectural (cont'd)

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

Structural

- 2.1. Structural Capacity of Structural Components of the Building, including Anchorage & Seismic Restraint
- 2.2. Structural Aspects of Deep Foundations
- 2.3. Excavation & Shoring
- 2.4. Underpinning
- 2.5. Backfill
- 2.6. 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. Functional Testing of Mechanically related (i.e. Sprinkler systems) Fire Emergency Systems & Devices
- 3.6. Maintenance Manuals for Mechanical Systems
- 3.7. Structural Capacity of Mechanical Components, including Anchorage & Seismic Restraint
- 3.8. 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 & Devices
- 6.4. Electrical Systems & Devices Maintenance Manuals
- 6.5. Structural Capacity of Electrical Components, including Anchorage & Seismic Restraint
- 6.6. Clearances from Building of all Electrical Utility Equipment

- 6.7. Fire protection of Wiring for Emergency Systems
- 6.8. 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

(PROFESSIONAL SEAL)

Architect, Designer, Engineer, Individual or Company:

Name (Print) _____

Signed _____, (Architect or Designer), (C.E.T., (P. Eng.))

Date _____

Address (Print) _____

Phone _____

Note: The above letter must be signed by a Professional Engineer registered in the Yukon Territory as a member in good standing in the Association of Professional Engineers, or in the case of Architectural related items, this letter must be signed by an Architect or an Approved Designer.