



THE CITY OF YELLOWKNIFE

FORM "E"

SUMMARY OF DESIGN AND FIELD REVIEW REQUIREMENTS

Submitted by: _____
Name of Registered Design Professional Firm/Agent

Design Professional shall initial applicable responsibilities and cross out and initial non-applicable items within the list of Building Code activities.

Architectural

_____ initial to indicate overall responsibility

- | | | |
|------|---|--------------------------|
| 1.1 | Development permit requirements and conditions _____ | <input type="checkbox"/> |
| 1.2 | Requirements to prevent fire spread and collapse; building height, building area, building classification street access _____ | <input type="checkbox"/> |
| 1.3 | Spatial separation requirement; limiting distance, unprotected openings, construction characteristics _____ | <input type="checkbox"/> |
| 1.4 | Exterior walls and roofs, including exterior glazing; damp-proofing/waterproofing of walls or slabs below grade, wall cladding _____ | <input type="checkbox"/> |
| 1.5 | Determining the need for fire detection, alarm notification and suppression; including emergency power and lighting _____ | <input type="checkbox"/> |
| 1.6 | Provision for firefighting _____ | <input type="checkbox"/> |
| 1.7 | Requirements pertaining to interconnected floor spaces and high buildings _____ | <input type="checkbox"/> |
| 1.8 | Safety within floor areas; including interim wall partitions and finishes, access to exits, guards and handrails, sound control, specific requirements related function _____ | <input type="checkbox"/> |
| 1.9 | Egress systems, occupant loads, stairs and exits _____ | <input type="checkbox"/> |
| 1.10 | Barrier-free requirements _____ | <input type="checkbox"/> |
| 1.11 | Vertical transportation _____ | <input type="checkbox"/> |
| 1.12 | Service facilities; horizontal and vertical service spaces _____ | <input type="checkbox"/> |
| 1.13 | Health requirements; including functional design i.e. washrooms, food preparation areas, swimming pools _____ | <input type="checkbox"/> |
| 1.14 | Structural capacity of architectural components; including anchorage and seismic restraint _____ | <input type="checkbox"/> |
| 1.15 | Site development and landscaping _____ | <input type="checkbox"/> |
| 1.16 | Review of all applicable shop drawings _____ | <input type="checkbox"/> |



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Structural

_____ initial to indicate overall responsibility

- 2.1 Structural capacity of structural components of buildings; including anchorage and seismic restraint _____
- 2.2 Structural aspects of deep foundations _____
- 2.3 Qualification of welded steel fabricators and erectors _____
- 2.4 Review of all applicable shop drawings _____

Mechanical

_____ initial to indicate overall responsibility

- 3.1 HVAC Systems; including fire stopping of service penetrations and placement of fire dampers _____
- 3.2 Plumbing systems; including potable water system, roof and storm drainage system, sanitary drainage system _____
- 3.3 Fire Protection Systems; including automatic sprinkler and other automatic fire suppression systems; stand pipes and hose system, evaluation of necessary water supply demand _____
- 3.4 Swimming pool mechanical systems including pool circulation and disinfection Systems, ventilation in pool areas and chlorine rooms _____
- 3.5 Medical gas piping systems _____
- 3.6 Smoke control systems in high-rise and care and detention occupancy application _____
- 3.7 Review of all applicable shop drawings _____



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Electrical

_____ initial to indicate overall responsibility

- 4.1 Electrical transformers vaults, switching devices and motors, including anchorage and seismic restraints _____
- 4.2 Electrical system and devices; including fire stopping of penetration through fire separation_
- 4.3 Fire alarms; including voice communication system _____
- 4.4 Mechanical interface with controls and alarms _____
- 4.5 Emergency power and lighting systems _____
- 4.6 Fire protection of wiring for emergency systems _____
- 4.7 Review of all applicable shop drawings _____

Geotechnical

_____ initial to indicate overall responsibility

- 5.1 Excavation _____
- 5.2 Shoring and underpinning _____
- 5.3 Geotechnical aspects of deep foundations _____
- 5.4 Control of ground and subsurface water _____
- 5.5 Structural considerations of soil; including slope stability and seismic loading _____
- 5.6 Backfill and compaction of fill _____

NOTES:

1. This letter must be submitted with Form D as prescribed by By-law No. 4469.
2. This letter must be followed by Form G (NOTICE OF PROFESSIONAL FIELD REVIEW AND COMPLIANCE)