FAP No. _____
(ES-P Use Only)

FORM RP-B (YVR)
(For use on Airport Authority projects)

ASSURANCE OF PROFESSIONAL DESIGN AND COMMITMENT FOR FIELD REVIEW

Note: 1. In this letter the words in italics have the same meaning as ascribed to them in the Vancouver International Airport Authority Development Rules unless indicated otherwise.

2. This letter must be submitted with Schedule RP-B (YVR).

3. A separate letter must be submitted by each *registered professional*.

Date: _____

To: The Vancouver International Airport Authority
3153 Templeton Street
Richmond, British Columbia V7B 1A2

Attention: Don Ehrenholz, P. Eng.
Vice President, Airport Operations and Engineering

Dear Sirs:

Re: _____
(Project Name)

_____
(Address of Project)

_____
(Legal Description of Project)
("The Project")

The undersigned hereby gives assurances that, except for construction safety aspects, the design of the (initial those of the items listed below that apply to this *registered professional*. All disciplines will not necessarily be employed on every project)

_____ ARCHITECTURAL

_____ STRUCTURAL

_____ MECHANICAL

_____ PLUMBING

_____ FIRE SUPPRESSION SYSTEMS

_____ ELECTRICAL

_____ CIVIL - LANDSIDE

_____ CIVIL - AIRSIDE

_____ GEOTECHNICAL - TEMPORARY

_____ GEOTECHNICAL - PERMANENT

_____EQUIVALENCIES

_____ OTHER (Provide particulars on Schedule RP-B (YVR)

components of the plans and supporting documents prepared by this *registered professional* substantially comply with all *applicable codes and standards.*

The undersigned hereby undertakes to be responsible for *field review* of the above referenced components during construction as particularized on the attached SUMMARY OF DESIGN AND FIELD REVIEW REQUIREMENTS (SCHEDULE RP-B (YVR)).

The undersigned is relieved from the responsibility for *field reviews* if the undersigned's contract for field review is terminated at any time during construction.

I certify that I am *a registered professional* as defined in the *Development Rules*.

_____
Name (Print)

_____
Name of Registered Professional's Firm, upon whose behalf the Registered Professional is also signing

_____
Registered Professional's Signature

_____
Date

_____
Address

_____

_____

_____ _____
Telephone Fax

(Affix Professional Seal)

FAP No. _____
(ENS-P Use Only)

SCHEDULE RP-B (YVR)

SUMMARY OF DESIGN AND FIELD REVIEW REQUIREMENTS

Note:
1. This Schedule must be submitted with Form RP-B (YVR).
2. In this letter the words in italics have the same meaning as in the 1995 National Building Code.

RE: _____ Date: _____

(Initial applicable discipline below and cross out and initial non-applicable items within the discipline.)

_____ **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
1.5 Egress systems, including *access to exit* within *suites*
1.6 Performance and physical safety features (guard-rails, handrails, etc.)
1.7 Structural capacity of architectural components, including anchorage and seismic restraint
1.8 Roofing and flashings
1.9 Wall cladding systems
1.10 Damp proofing and/or waterproofing of walls and slabs below *grade*
1.11 Thermal insulation systems, including condensation and cavity ventilation
1.12 Sound Control
1.13 Landscaping, screening and site grading
1.14 Provisions for fire fighting access
1.15 *Access* requirements for persons with disabilities
1.16 Elevating devices
1.17 Coordination of testing of fire emergency systems and maintenance programs

1.18 Development Permit and conditions therein
1.19 Exterior glazing
1.20 Interior signage, including acceptable m1aterials, dimensions and locations
1.21 Review of all applicable shop drawings

_____ **STRUCTURAL**

2.1 Structural capacity of structural components of the *building*, including anchorage and seismic restraint
2.2 Structural aspects of *deep foundations*
2.3 Review of all applicable shop drawings

_____ **MECHANICAL**

3.1 HVAC systems and 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 Functional testing of mechanical related fire emergency systems and devices
3.5 Maintenance manuals for mechanical systems
3.6 Structural capacity of mechanical components, including anchorage and seismic restraint
3.7 Review of all applicable shop drawings

_____ **PLUMBING**

4.1 Roof *drainage systems*
4.2 Site and *foundation drainage systems*
4.3 *Plumbing systems* and systems
4.4 Continuity of *fire separations* at plumbing penetrations
4.5 Functional testing of plumbing related fire emergency systems and devices
4.6 Maintenance manuals for *plumbing systems*
4.7 Structural capacity of plumbing components, including anchorage and seismic restraint
4.8 Review of all applicable shop drawings

_____ **FIRE SUPPRESSION SYSTEMS**

5.1 Suppression system classification for type of *occupancy*
5.2 Design coverage, including concealed or special areas
5.3 Compatibility and location of electrical supervision
5.4 Evaluation of the capacity of city (municipal) water supply versus system demands and domestic demand, including pumping devices where necessary
5.5 Qualification of welder, quality of welds and material
5.6 Review of all applicable shop drawings
5.7 Acceptance testing for Contractor Material and Test Certificate as per NFPA Standards
5.8 Maintenance program and manual for suppression systems
5.9 Structural capacity of sprinkler components, including anchorage and seismic restraint
5.10 For partial systems - confirm sprinklers are installed in all areas where required
5.11 Fire Department connections and hydrant locations
5.12 Fire hose standpipes
5.13 Functional testing of fire suppression systems and devices

_____ **ELECTRICAL**

6.1 Electrical systems and 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 and devices
6.4 Electrical systems and devices maintenance manuals
6.5 Structural capacity of electrical components, including anchorage and seismic restraint
6.6 Clearances from *buildings* of all electrical utility equipment
6.7 Fire protection of wiring for emergency systems
6.8 Review of all applicable shop drawings

_____ **CIVIL - Landside**

7.1 Performance and physical safety features (guard-rails, handrails, etc.)
7.2 Structural capacity of civil components including anchorage and seismic restraint

7.3 Provisions for fire fighting access to the exterior of the building on the landside
7.4 Site utility and drainage systems including water mains, gas, electrical and telecommunications routing
7.5 Site electrical and lighting systems
7.6 Performance, geometry and integrity of landside roadway and paving systems
7.7 Review of all applicable shop drawings

_____ **CIVIL - Airside**

8.1 Performance and physical safety features (guard-rails, handrails, etc.)
8.2 Structural capacity of civil components including anchorage and seismic restraint
8.3 Performance, geometry and integrity of apron paving
8.4 Airside traffic markings and lead-in lines
8.5 Apron utilities and drainage including water mains, gas, electrical and telecommunications routing
8.6 Apron electrical and lighting systems
8.7 Review of all applicable shop drawings

_____ **GEOTECHNICAL - Temporary**

9.1 *Excavation*
9.2 Shoring
9.3 Underpinning
9.4 Temporary construction dewatering

_____ **GEOTECHNICAL - Permanent**

10.1 Bearing capacity of the *soil*
10.2 Geotechnical aspects of *deep foundations*
10.3 Compaction of engineered fill
10.4 Structural considerations of *soil*, including slope stability and seismic loading
10.5 Backfill
10.6 Permanent de-watering
10.7 Permanent underpinning

_____ **EQUIVALENCIES**

11.1 Demonstration of code required performance level
11.2 Review of all applicable shop drawings
11.3 Functional testing of equivalent measures as appropriate

_____ **OTHER (Provide Full Particulars)**