



FAP No. \_\_\_\_\_  
(ES-P Use Only)

**FORM RP-B**  
(For use on Third Party 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.
  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)

## SCHEDULE RP-B

### SUMMARY OF DESIGN AND FIELD REVIEW REQUIREMENTS

- Note:
1. This Schedule must be submitted with Form RP-B.
  2. In this Schedule, the words in italics have the same meaning as in the 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 Dampproofing 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 materials, 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

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## **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

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## **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

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## **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)**