SCHEDULE RP-B

FAP #

ASSURANCE OF PROFESSIONAL DESIGN AND COMMITMENT FOR FIELD REVIEW

Note: (i) This letter must be submitted prior to the commencement of construction activities of the components identified below. A separate letter must be submitted by each *registered professional of record*.
(ii) This letter is endorsed by: Architectural Institute of British Columbia, and Association of Professional Engineers and Geoscientists of British Columbia.
(iii) In this letter the words in italics have the same meaning as in the Vancouver International Airport Authority Development Rules (Development Rules) or the National Building Code of Canada unless indicated otherwise.

To: The *authority having jurisdiction*
Vancouver International Airport Authority

Re: _____
Name of Project (Print)

_____
Address or location of Project (Print)

_____

(Professional Seal and Signature)

_____
Date

The undersigned hereby gives assurance that the design of the
(Initial those of the items listed below that apply to this *registered professional of record*. All the disciplines will not necessarily be employed on every project.)

_____ ARCHITECTURAL

_____ STRUCTURAL

_____ MECHANICAL

_____ PLUMBING

_____ FIRE SUPPRESSION SYSTEMS

_____ ELECTRICAL

_____ CIVIL - airside

_____ GEOTECHNICAL – temporary

_____ GEOTECHNICAL – permanent

_____ OTHER

components of the plans and supporting documents prepared by this *registered professional of record* in support of the application for the *facility permit* substantially comply with the National Building Code of Canada and other *applicable codes and standards* respecting safety except for construction safety aspects.

The undersigned hereby undertakes to be responsible for *field reviews* of the above referenced components during construction, as indicated on the "SUMMARY OF DESIGN AND FIELD REVIEW REQUIREMENTS" below.

_____
CRP's Initials

Project name

Discipline

The undersigned also undertakes to notify the *authority having jurisdiction* in writing as soon as possible 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.

Registered Professional of Record's Name (Print)

Address (Print)

E-mail Address (Print)

Phone No.

(Professional Seal and Signature)

Date

(If the *Registered Professional of Record* is a member of a firm, complete the following)

I am a member of the firm _____
and I sign this letter on behalf of the firm. (Print Name of Firm)

Note: The above letter must be signed by a *registered professional of record* who is a *registered professional.* The Development Rules defines a *registered professional* to mean

(a) a person who is registered or licensed to practise as an architect under the British Columbia Architects Act, or
(b) a person who is registered or licensed to practise as a professional engineer under the British Columbia Engineers and Geoscientist Act.

CRP's Initials

Project name _____ Discipline _____

SUMMARY OF DESIGN AND FIELD REVIEW REQUIREMENTS

(Initial applicable discipline below and cross out and initial only those items not applicable to the project)

_____ **ARCHITECTURAL**

1.1 Fire resisting assemblies
1.2 *Fire separations* and their continuity
1.3 *Closures*, including tightness and operation
1.4 Egress systems, including *access to exit* within *suites* and *floor areas*
1.5 Performance and physical safety features (guardrails, handrails, etc.)
1.6 Structural capacity of architectural components, including anchorage and seismic restraint.
1.7 Sound control
1.8 Landscaping, screening and site grading
1.9 Provisions for fire fighting access
1.10 *Access* requirements for *persons with disabilities*
1.11 Elevating devices
1.12 Functional testing of architecturally related fire emergency systems and devices
1.13 Development Permit and conditions therein
1.14 Interior signage, including acceptable materials, dimensions and locations
1.15 Review of all applicable shop drawings
1.16 Interior and exterior finishes
1.17 Dampproofing and/or waterproofing of walls and slabs below *grade*
1.18 Roofing and flashings
1.19 Wall cladding systems
1.20 Condensation control and cavity ventilation
1.21 Exterior glazing
1.22 Integration of building envelope components
1.23 Environmental separation requirements (Part 5)

(Professional Seal and Signature)

_____
Date

_____ **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
2.4 Structural aspects of unbonded post-tensioned concrete design and construction

_____ **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 mechanically 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 devices
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

_____
CRP's Initials

Project name _____ Discipline _____

_____**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, ancillary alarm and control devices
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's 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 Freeze protection measures for fire suppression systems
5.14 Functional testing of fire suppression systems and devices

(Professional Seal and Signature)

_____
Date

_____**ELECTRICAL**

6.1 Electrical systems and devices, including high *building* requirements 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 - Airside**

7.1 Performance, geometry and integrity of apron, taxiway and runway paving
7.2 Airside traffic markings and lead-in lines
7.3 Aircraft gate capabilities
7.4 Review of all Applicable Shop Drawings

_____**GEOTECHNICAL – temporary**

8.1 Excavation
8.2 Shoring
8.3 Underpinning
8.4 Temporary construction dewatering

_____**GEOTECHNICAL – permanent**

9.1 Bearing capacity of the soil
9.2 Geotechnical aspects of deep *foundations*
9.3 Compaction of engineered fill
9.4 Structural considerations of soil, including slope stability and seismic loading
9.5 Backfill
9.6 Permanent dewatering
8.7 Permanent underpinning

_____**OTHER (Provide Full Particulars)**

_____
CRP's Initials