



# BIM EXECUTION PLAN AGREEMENT

The Prime Consultant hereby agrees to the adoption of this BIM Execution

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## Definitions

Prime Consultant: The consultant that is retained by Queen's for the provision of the main part of professional services and is responsible for the overall management and coordination of the consultant team.

ACC: Autodesk Construction Cloud, an online common data environment configured to host an ongoing project including working models, project documents, review workflows, Issues lists, and other functionalities.

BTM: BIM Tender Model; the model submitted for Tender to the Owner to be put out for bid.

BIFCM: BIM Issue for Construction Model; the model as it was submitted to the Owner for the Issue for Construction stage.

BRM

## PRESENTATION OF THE DOCUMENT

### **1.1. Purpose of the document**

The intent of this BIM Execution Plan (hereinafter referred to as BxP), is to provide a framework that will accompany and guide designers, estimators, managers, and any other person affected by BIM for the duration of the project. This plan

### 1.5. Project Standards

All projects must adhere to













## 5. COLLABORATION

### 5.1. Meetings

Meetings for interdisciplinary BIM coordination are required and must be carried out throughout the duration of the project per the direction of the Prime Consultant. Refer to contract documents for required list of meetings. The Prime Consultant will act as a facilitator and is responsible for including appropriate BIM representation at all meetings. The presence of project managers may be relevant from time to time.

5.3.1.

**5.4. Document management**

Project folder structure will include, but is not limited to, one folder per discipline/consultant, and additional folders as follows:

*01 Meeting Minutes*

Each discipline will have complete control over the internal structure of their team folder.

#### 5.4.1. **z\_Master Models Folder**

This folder is for the initial transfer of Queen's University current record models (if applicable) from the 001 Master Buildings project. Each discipline shall download their discipline model from the z\_Master Models folder and workshare it back to their team folder to begin project work.

5.5-/F1 11.Qq012 Q(5)-11



This method will require each team folder to be accessible by each other discipline to be able to link directly to the working

This table indicates the ideal order in which the checks should be done (1 first, followed by 2 etc). The letters following the numbers are a summary of the two disciplines involved. For example, 1\_A-S = First Check of Architecture with Structure; 2\_H-S = second check, HVAC and Structure.

The Prime Consultant remains responsible for the total coordination of the project.

## 7. DELIVERABLES AND PROCESSES

### **7.3. Calendar of deliverables**

The schedule of deliverables should be coordinated with the project completion schedule.

Refer to RFP document(s).

### **7.4. Format of deliverables**

For the purpose of assisting construction, the BIMs developed by the consultant will be used, evolved, and transferred in the following sequence:

1. BIM Tender Model (BTM): to the owner for their records in the form of native BIM format (i.e. .rvt).
2. To the RFP candidates at 100% CD Development for the purpose of reviewing the working drawings and specifications for the preparation of a formal written bid.

Note: The BTM may be amended during the bid process via addenda.

3. The BIM Record Model (BRM) shall be transferred to the owner by the consultant in native BIM









#### 8.3.4. Nomenclature of Parameters & Parameter Data

It is understood that the general families of the project will not have rules of global nomenclature and that each discipline will be able to use its own families. All families brought into the Queen's University Revit template will have project parameters applied to them and it is the responsibility of the disciplines to ensure all required parameters contain the relevant information. Some parameter values will be reviewed by the Model Checker.

The parameters will present themselves within the Instance Properties of the elements and will have the prefix "QU\_". Discipline specific parameter names will have a 2-letter abbreviation of the discipline following the "QU\_", e.g., QU\_EL\_ for EI



