

## **BIM EXECUTION PLAN**

CityAxis has adopted a standard for project BIM execution as described in PAS 1192-2, which addresses the issues raised in the Employer's Information Requirements and addresses our methodology for project delivery using BIM. At CityAxis, our typical project matrix includes several external design consultants and sub-contractors, who have worked with us for more than 20 years. The whole project team have adopted a single BIM implementation strategy which is in line with our project methodology and experience.

We have prepared an internal Pre-and Post-Contract BEP templates, based on the CPlx guidelines and templates and which is aligned with our methodologies and processes. These BIM Execution Plan templates for Pre-Contract and Post Contract are referred to in Figure 4 of PAS 1192-2. The BIM Execution Plan (BEP) is submitted firstly pre-contract to address the issues raised in the EIR and then with more detail post-contract award to explain the supplier's methodology for delivering the project using BIM.

### **Pre-Contract BEP (Response to the EIR)**

The EIR sets out the information required by an employer at different points in a project, where key decisions need to be made. The EIR supplements (but is distinct from) a project brief. The pre-contract BIM Execution Plan addresses everything requested in the EIR and sets out the Project Implementation Plan (PIP), project goals for collaboration and information modelling and key project milestones and where they fit with the broader project program. It also sets out how the project's information model will be assembled and delivered.

### **Post contract BEP**

Our Post contract BEP comprehensively sets out how the information requested in the Employer's Information Requirements will be provided. Our post-contract BEP therefore requires far more input from our project delivery team, including but not limited to the Principal Designer, Project Manager, BIM Manager and Planner. This post contract BEP lists the agreed targets for the timely delivery, exchange, reuse, and final handover to clients. It will also list all of the agreed elements as outlined in the EIR, the brief, BS 1192:2007, PAS 1192-2:2013, the CIC BIM Protocol and the contract documents.

A combination of our two templates, will clearly define how information is managed, planned for and documented, what standard methods and procedures we will use to deliver the information. It also includes agreed roles and responsibilities (and relevant authorities and approval processes), a strategy for key deliverables and what existing information will be used, and a guide to the key project milestones and where these fit as part of the wider program.

Furthermore, our BEP templates clearly define the logistics of collaborative processes (including modelling) with clear responsibilities. A revised Project Implementation Plan (PIP) and a Task Information Delivery Plan (TIDP) - showing responsibility for delivery of information to the client - and a Master Information Delivery Plan (MIDP) - setting out when project information is to be prepared (by whom and using what protocols and procedures) will also be needed.

Finally, our BEP templates also define the working procedure. How BIM volumes will be managed and maintained? What file name conventions will be adopted? What construction tolerances are set and what attribute data will be required? It also defines a common approach to annotation, abbreviations and symbols to avoid potential ambiguity and outlines what software will be used, what data formats will be used for exchange and what other data management systems are brought into play.

Signed:  \_\_\_\_\_

Date: 6<sup>th</sup> January 2021

Position: Managing Director

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