Wezig Building

Amevia Group 5

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Document Index:

WeZig Building

2023-11-04

PROJECT TYPE

Education

LOCATION

Trafalgar Sq, London WC2N 5DS, UK

PROJECT INFORMATION

ZIGURAT | GLOBAL INSTITUTE OF TECHNOLOGY

Group 5
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STR

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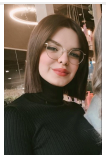
MEP Designer

MEP



Ainoa Gomez Matisova
Architectural technician

AT

Mike Tofton
BIM & Digital Construction Lead

BIM

Ioannis Kalfagiannis
Mechanical Engineer

MEC

Design Team
Lead Appointed Party

DES

Structural Engineer
Appointed Party

STR

Group05_BEP_Final

Status:

IN PROGRESS: 0

SHARED: 0

PUBLISHED: 49

1 INTRODUCTION

1.1 BEP Document Code

PROJECT		ORIGINATOR		FUNCTIONAL		SPATIAL		FORM		DISCIPLINE		NUMBER
WZB05	-	G05	-	XX	-	XX	-	DO	-	Z	-	000001

Classification: PM_40_60_08 BIM execution plan

1.2 Control Log

Log of changes made to the document

Revision Number	Date	Revision Description
R01	16.05.2023	Pre Appointment BEP becomes the Delivery Team BEP.
R02	14.08.2023	Block 3 delivery Revisions & additional details
R03	06.10.2023	Block 4 delivery Revisions & additional details
R04	04.11.2023	Final Version of BEP

DOCUMENT DEVELOPMENT

The information contained in this document has been prepared with the understanding that this is a live document and will require periodic updates throughout the duration of the project to reflect the progress of the project (major revisions before each major phase) and incorporate newly agreed procedures and workflows.

VERSION DEFINITION

"R01" is the first major release of the document.

Following major releases will be "02", "03" etc.

"R-0.1" is the first iteration of the document.

For each minor change to the document, the decimal revision numbers to indicate the status of the current update process (1.1, 1.2, 2.1 etc.).) will be used.

Revisions starting with 0 (e.g. 0.1, 0.2) are draft issues for comment. Documents with a "0" revision number have not formally been issue

1.3 Foreword

During the appointment phase of ISO19650-2, the delivery teams Pre appointment BIM execution plan shall be confirmed, and as such becomes the Delivery Team BIM Execution Plan.

It documents the methods to be followed by the project team to meet the requirements of the project, in accordance with the principles documented in BS EN ISO 19650-1, BS EN ISO 19650-2 (including the UK National Annex), utilizing the same terminology and definitions.

The BEP ensures that all stakeholders are aware of the methods and procedures, technicalities, and responsibilities associated with the implementation of BIM on the project. The pre-appointment BEP focuses on our delivery team's proposed approach to information management and our capability and capacity to manage information for this project.

This remains a live document for the duration of the project and should be updated by the delivery team member responsible for undertaking the Project Information Management function(s) as aspects of the project covered by this BEP change. It is essential to note that this is a collaborative document effectively owned by the whole delivery team. As such any feedback should be submitted to the responsible delivery team member to ensure that this document is maintained to suit the needs of all involved.

1.4 ISO 19650-2 & 3 Clause 5.4.1

Confirm the Delivery Team’s BIM execution plan
The Lead appointed party shall confirm and agree the delivery team’s BEP with regard to the following items:

1. Confirm the individual(s) undertaking the I.M Function.
2. Review the company skills matrix & training policy
3. Confirm the Project Information Production Methods & Procedures
4. Confirm software, hardware and infrastructure.

The Lead appointed party shall update the delivery team’s BEP with regard to the following items:

1. Update the information delivery strategy & organizational structure
2. Expand the detail within the federation and volume breakdown strategy
3. Update the high-level responsibility matrix for each element of the information model to members of the delivery team
4. Develop the detailed responsibility matrix from the high-level, going into greater detail.

1.5 Acronyms and Abbreviations

Project Specific Terms

Abbreviation	Name	Definition
AIM	Asset Information Model	An "Information Model relating to the Operational Phase" ISO 19650-1 (3.3.9). The Asset Information Model (AIM) supports the maintenance, management, and operation of an Asset throughout its Asset Life Cycle.
AIR	Asset Information Requirements	The "information requirements in relation to the operation of an asset" ISO 19650-1/3.3.4 that covers financial, managerial, technical, and security aspects.
AMS	Asset Management System	The system used to handle the Asset Information Model
BASIR	Built Asset Security Information Requirements	A document detailing the employer/client or Asset Owner's requirements with regard to the arrangements for, and overseeing of, the secure capture, handling, dissemination, storage, access and use of all Data and information pertaining to sensitive Assets and systems.
BEP	BIM execution plan	The "plan that explains how the Information Management aspects of the Appointment will be carried out by the Delivery Team" ISO 19650-2 (3.1.3.1).
BIM	Building Information Modelling	Building Information Modelling (BIM) is a set of technologies, processes and policies enabling multiple stakeholders to collaboratively design, construct and operate a Facility in virtual space. In ISO 19650 part 1, BIM refers to the "use of a shared digital representation of a built Asset to facilitate design, construction and operation processes to form a reliable basis for decisions" ISO 19650-1 (3.3.14).
CAD	Computer-Aided Design	Computer-Aided Design (CAD) refers to the use of digital tools generate, modify, analyse, or optimise an object or a space. CAD represents all pre-BIM digital tools and their 2D/3D deliverables
CAFM	Computer-Aided Facilities Management	A Computer System supporting the activities required for Facility Management. CAFM systems allow Facility Managers to monitor the operational requirements of buildings (e.g. energy consumption, lighting, security, etc.), manage space utilisation, track asset/equipment locations, and perform other related functions during the Operation Phase of a Facility
CDE	Common Data Environment	An "agreed source of Information for any given project or Asset, for collecting, managing and disseminating each Information Container through a managed process" ISO 19650-1 (3.3.15).
COBie	Construction Operations Building Information Exchange	COBie is a specification for the capture and delivery of design/ construction information to Facility Managers. COBie Specifications can be collated using a spreadsheet template or a COBie-enabled software solution.

Abbreviation	Name	Definition
EAMS	Estates Asset Management System	The system used to handle the Asset Information Model
EIR	Exchange Information Requirement	The "Information Requirements in relation to an Appointment" ISO 19650-1 (3.3.6) generated by an Appointing Party.
FM	Facilities Management	The term Facility Management (FM) refers to the interdisciplinary activities performed during the Operation Phase of building, space or infrastructure.
IFC	Industry Foundation Classes	IFC refers to a neutral/open specification (schema) and a non-proprietary 'BIM file format' developed by buildingSMART.
LOD	Level of Definition	A description of graphical content of Model Components at different project phases/stages.
LOI	Level of Information	A description of non-graphical content of Model Components at different project phases/stages.
MIDP	Master Information Delivery Plan	A "plan incorporating all relevant Task Information Delivery Plans" ISO 19650-2 (3.1.3.3).
NA	National Annex	UK National Annex of ISO 19650-2
OIR	Organisational Information Requirements	The "Information Requirements in relation to organizational objectives" ISO 19650-1 (3.3.3).
PDF	Portable Document Format	Open document exchange format
PIR	Project Information Requirements	The “Information Requirements in relation to the delivery of an Asset” ISO 19650-1 (3.3.5)
PIM	Project Information Model	An Information Model relating to the delivery phase.
PLQ	Plain Language Question	Now referred to as PIR -project Information Requirements. High level questions to ask of the PIM at given milestones.
ST	Security Triage	Information Security Rating System

2 PROJECT INFORMATION

2.1 Project Details

Project Name	WeZig Building
Client	Rania Fattah
Building Type	Office development
Project Description	A nine-story office building with a core tower, glass curtain façade, and cantilever with a total gross area of approximately 2600 sqm. The 1st-floor level includes an extreme cantilever becoming the protection to the main entrance and also generating a shading public area.
Appointing Party	Zigurat
Project Code	WZB05
Project Address	Trafalgar Sq, London WC2N 5DS, UK
Project Value	TBC
Contract Type	IPD Project
Plan of Work	FMP Roadmap
Project BIM Type	In accordance with ISO 19650-2 UK National Annex

2.2 Delivery Team Scope of Works

Project Information	**Details**
Project Stage: Start	Stage 2
Project Stage: End	Stage 5
Scope of Services	Full design team undertaking concept to construction handover services

2.3 Project Directory

For FMP final delivery , team roles shall be as follows:

Role	Name	Email	Tel
Product Owner/BIM Manager	Mike Tofton	m_tof@hotmail.com	+44 78 5227 4150
Scrum Master/BIM Coordinator	Ainoa Gomez	ainoagm47@gmail.com	+44 77 4515 4319
Architectural Manager	Eleni Markopoulou	emarkopoulou@gmail.com	+44 77 5317 7221
Structural Manager	Victor Galupa	galupavictor@gmail.com	+3 73 69 573 613
MEP Manager	Ioannis Kalfagiannis	ikalfagiannis@gmail.com	+44 79 1627 3697
MEP Manager	Thanasis Soulos	thanasis.soulos@gmail.com	+30 6971 635 027

Project Management Team

The Project Management Team will be responsible for all design and construction-related activities on the project. They will be informed of all BIM related activities on the project via the Appointed Development Team (BIM Manager). The Project Management Team shall comprise ‘Product Owner’ and ‘Scrum Master’.

Development Team

An appointed Development Team includes a BIM Manager and BIM Coordinator will oversee the project. The Development Team will manage key information workflows and drive BIM process consistency, according to the strategic objectives of this document. The BIM Manager will report into the Project Management Team and the Owner (Mentor).

The Development Team shall comprise of BIM Manager, BIM Coordinator, Architecture Manager, Structure Manager and MEP Manager.

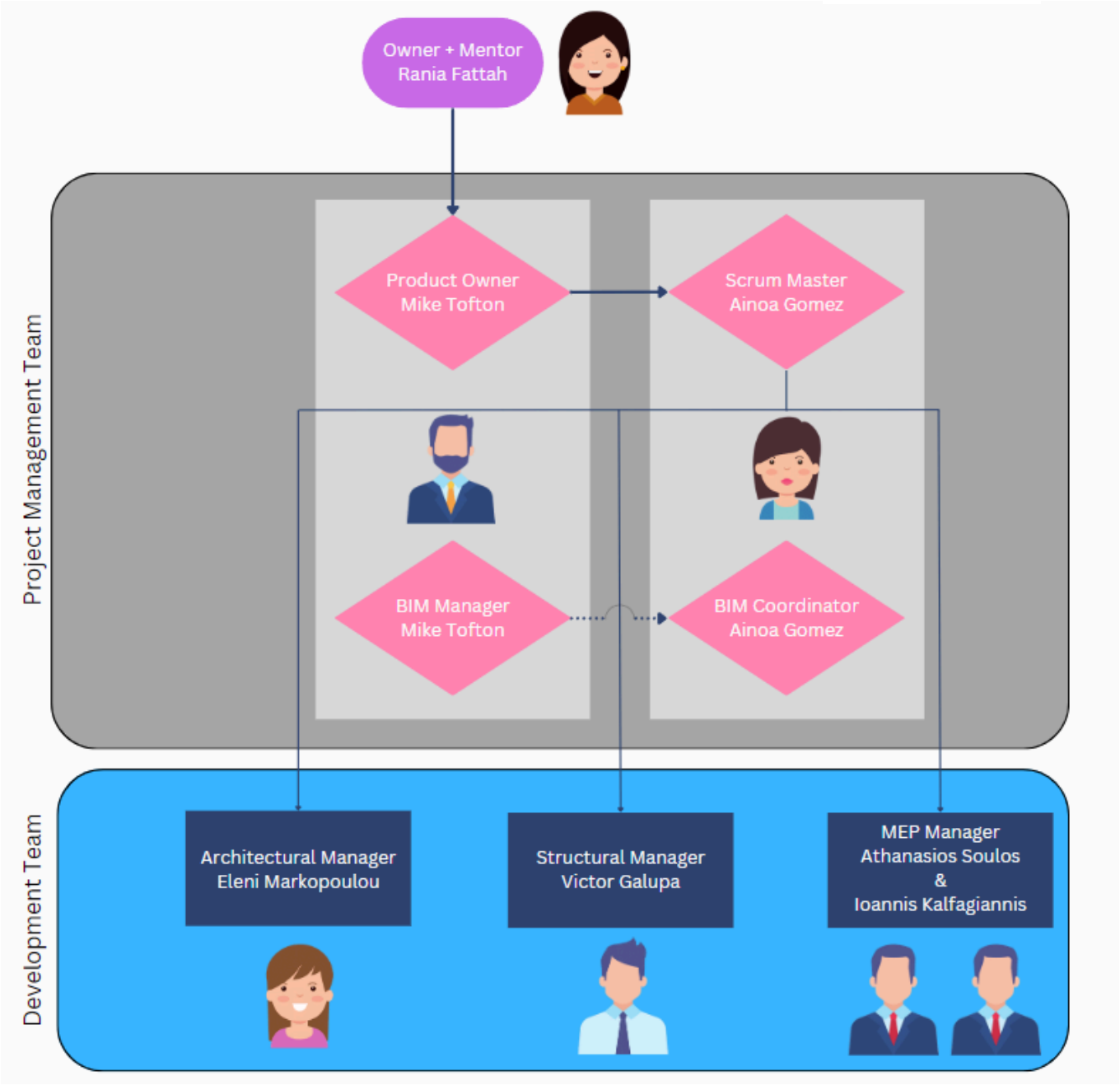
Each member of the team is entirely responsible for fully complying with the EIR. All team members are responsible for providing all essential information and services in the specified manner and form at the agreed milestones. Team members are responsible for notifying BIM Manager and BIM Coordinator if they become aware of any discrepancies between the EIR and the Scope of Services/Works and/or the associated contractual agreements.

2.4 Project Roles and Responsibilities

For the third delivery, team roles shall be as follows:	Organization	Description
Product Owner	Mike Tofton	Responsible for planning and prioritizing work for the products from Scrum teams, whilst working internally and externally with stakeholders to create a project roadmap.
Scrum Master	Ainoa Gomez	The Scrum Master is the team role responsible for ensuring the team lives agile values and principles and follows the processes and practices that the team agreed they would use. (www.agilealliance.org)
BIM Manager	Mike Tofton	Responsible for leading the BIM Implementation process within an organization and supporting it in developing/delivering new BIM services and model-based efficiencies.
BIM Coordinator	Ainoa Gomez	A BIM Coordinator is BIM Role combining Model Management, Project Information Management, and Process Management activities. Model Management activities are technical and focus on the generation and delivery of one or more Model Uses. Project information management activities focus on the inclusion/accuracy/ detail of information to meet contractual requirements. Process management activities focus on facilitating the relationship between Project Participants by assisting them to select collaboration workflows, delivery standards, and communication protocols as best suited for each particular project, or project phase.
Architectural Manager	Eleni Markopoulou	Responsible for the design and production of the Architectural PIM, the drawings package, and any related BIM use-cases with full compliance with the Information Exchange Standards of the project.
Structural Manager	Victor Galupa	Responsible for the design and production of the Structural PIM, the drawings package, and any related BIM use-cases with full compliance with the Information Exchange Standards of the project.
MEP Manager	Ioannis Kalfagiannis Athanasios Soulos	Responsible for the design and production of the MEP PIM, the drawings package, and any related BIM use-cases.

2.5 Project Organisation Chart

BIM Management and organization chart for final delivery of the project are as follows:



2.6 Project Goals

This document is structured around client requirements to clearly demonstrate how each will be satisfied by the team. The requirements are identified in detail in the EIR and summarized throughout this document where appropriate, as referenced in the table below. The WeZig building sets out the following goals that the appointed parties shall deliver.

Priority	Project Goal	Potential BIM Uses
1 = Most Important		
1	Ensure a high quality of design and design documentation	Design Authoring, Design Reviews, 3D Coordination, virtual walkthroughs

Priority	Project Goal	Potential BIM Uses
2	Accurately track the progress of construction	4D Phase Planning
2	Develop an accurate record of the final building design for use in future renovation projects	Record Model, 3D Coordination COBie for Asset Management
2	Effectively Monitor the progress of design to ensure target of construction start is achieved	Design Reviews
3	Accurately review the cost impact of changes in a timely manner	5D cost estimation, Design Authoring, Cost Estimation

Strategic goals for the use of BIM during the design and construction phases:

- Standardize the production process and maintain uniformity across projects and regions
- Create a standardized data structure that allows data to be reused, and eliminates redundant and conflicting information
- Decrease waste by utilizing a virtual building process to simulate design & construction activities
- Reduce CAPEX (capital expenditure) costs with better informed decision making and greater coordination & collaboration amongst project teams
- Allow the Design and Construction models to be used for building operations without adding significant costs or time to the Design & Construction process
- Visual communication of site conditions for planning and health/safety/risk assessment
- More accurate project phasing and timelines
- More accurate budgeting and cost estimating, ensuring the project is constructed with the least variations / clashes as possible
- Fully clash detected models that reduce RFI's requesting data on object location, with an emphasis on clash avoidance
- Utilize 3D models for reporting, review and decision making
- Ensure that there is coordinated, quality Design documentation to estimate the build cost
- Ensure that the constructibility and methodology of the design have been assessed before documents are issued for construction

2.7 Project Milestones

The project milestones are set forth by the FMP. The Lead appointed party and appointed parties shall deliver to meet the following milestone:

Final Master Project Delivery			
Milestones	**Code**	**Start Date (DD/MM/YYYYY)**	**Completion Date (DD/MM/YYYYY)**
Block 1: BIM Management	B1	06/02/2023	12/03/2023
Block 2: BIM for Design	B2	13/03/2023	21/05/2023
Block 3: BIM for Construction	B3	22/05/2023	27/08/2023
Block 4: Handover, Closeout & Operation	B4	28/08/2023	08/10/2023
Final FMP Delivery	FD	08/10/2023	05/11/2023

The project Information Delivery Milestones have been defined through the consideration of the following:

1. High Level Purposes of Information
2. Appointing party's key decision points
3. Appointing Party's information delivery obligations (if any)
4. The nature and substance of information to be delivered at each key decision point
5. The date(s) relative to each key decision point that the information model is to be delivered

3 Management

3.1 Information Protocol and Contractual Deliverables

A Project's Information Protocol must be established by the appointing party in accordance with ISO 19650-2 clause 5.1.8

For the purposes of coordinated design development shared models will take precedence over shared drawings.

Contractual deliverables (i.e., Published Documentation that has been formally checked, approved, and authorized) are PDF renditions of reports, schedules, drawings, etc. This information shall take precedence over project information published in other formats (both 2D and 3D), and other file format renditions of drawings, such as .dwg for example.

Models are to be formally issued at each milestone.

Where models are issued for any purpose, (e.g., Shared or Published), they are to be issued with the following disclaimer:

Save as expressly set out in the BIM Execution Plan for this Project, this 3D Model is made available to the user for information purposes only. No representations or warranties express or implied are made regarding the 3D Model, the accuracy or completeness of the model or the data and/or information contained therein, and the user is not entitled to rely upon the data and/or information contained in the 3D Model. The user is advised to make their own investigations and assessments as required to satisfy themselves as to the adequacy or otherwise of the 3D Model and the user assumes full responsibility for any loss resulting from use or inability to use the 3D Model.

3.2 Master Information Delivery Plan

The following table sets out the agreed software platforms and versions used for production of models and drawings, and information container formats for Final FMP Delivery.
All software version upgrades must be planned and accepted by all project team members and approved by the Lead Appointed party.

Task Team	Software Platforms								Information Containe		
	Coordination	Issue Management	4D	Model viewer	CDE	Project Management	BIM Management Platform	Design Authoring	Native	Exchange	Drawing
Architecture	BIMSync & Solibri	BIMSync & Solibri	Synchro	Bimcollab ZOOM	Catenda Hub	Trello	Plannerly	ArchiCAD 26	pln	IFC 2x3	PDF/ DWG

MEP	BIMSync & Solibri	BIMSync & Solibri	Synchro	Bimcollab ZOOM	Catenda Hub	Trello	Plannerly	Revit 2022	.rvt 2022	IFC 2x3	PDF/ DWG
Structural	BIMSync & Solibri	BIMSync & Solibri	Synchro	Bimcollab ZOOM	Catenda Hub	Trello	Plannerly	Revit 2022	.rvt 2022	IFC 2x3	PDF/ DWG

Please note, the software and versions listed will be used by each Task Team engaged on this project. Any conversions required by the receiving party to alternative file formats will be the responsibility of the receiving party, except when agreed otherwise.

3.3 Information Exchange File Formats

The appointing party committed to **openBIM™ standards**. As a general rule, all BIM submissions will be provided in two formats: the **native format**, which depends on the tool selected by the author of the information, **and the IFC format.**

Exchange Format							
File Type	**Native**	**.dwg**	**.bcf**	**.ifc**	**.pdf**	**.xlsx**	.mp4
Models	X			X			
Drawings		X			X		
Schedules and spreadsheets					X	X	
Reports					X		
Coordination exchange			X				
Animations	X						X

3.4 Standards and References

In order to establish a consistent approach to collaboration, the Appointing Party requires the Lead Appointed Party and Associated Appointed Parties to be aware of and follow the guidance provided in the following recognized standards and best practice documents during all stages of the project.

Standard	**Title**

ISO 19650-1:2018	**Concepts and Principles** Organization and digitization of information about buildings and civil engineering works, including building information modeling (BIM) — Information management using building information modeling.
ISO 19650-2:2018 UK National Annex	**Delivery Phase of the Assets** Organization and digitization of information about buildings and civil engineering works, including building information modeling (BIM) — Information management using building information modeling.
ISO 19650-3:2020	**Operational Phase of the Assets** Organization and digitization of information about buildings and civil engineering works, including building information modeling (BIM) — Information management using building information modeling.
ISO 19650-4:2022	**Information exchange** Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) — Information management using building information modelling
ISO 19650-5:2020	**Security-minded Approach to Information Management** Organization and digitization of information about buildings and civil engineering works, including building information modeling (BIM) — Information management using building information modeling.
PAS 1192-6:2018	Specification for collaborative sharing and use of structured Health and Safety information using BIM.
ISO 16739-1:2018	Industry Foundation Classes (IFC) for data sharing in the construction and facility management industries — Part 1: Data schema
Classification conforming to ISO 12006-2:2015	A consistent classification structure for all disciplines in the construction industry. It ensures information is structured, indexed, and Standardized in a way all industry sectors can easily access it in a common format. It is a requirement for BIM projects. A classification that conforms to ISO 12006-2:2015 should be used. An example of this is Uniclass 2015.

Note: The standards and protocols stated in the list above are to be followed till the end of the appointment. Any updates to the standards above, or any new emerging standards during the span of this project, are to be ignored for the sake of project continuity.

3.5 Responsibilities Matrix

The purpose of this section is to bring to the project team's attention the allocation of responsibilities for key BIM and Information Management activities.

The following roles will be applied to the project in line with ISO 19650-2.

- **R** - responsible
- **A** - accountable
- **C** - consulted
- **I** - informed

Phase	ISO 19650-2 Clause	Key Activities	Appointing party	Lead Appointed Party	Appointed party
1.0 Information Management Process - Assessment and Need	5.1.1	Appoint individuals to undertake the information management function	R-A		
	5.1.2	Establish the project's information requirements	R-A		
	5.1.3	Establish the project's information delivery milestones	R-A		
	5.1.4	Establish the project's information standard	R-A		
	5.1.5	Establish the project's information production methods and procedures	R-A		
	5.1.6	Establish the project's reference information and shared resources	R-A		
	5.1.7	Establish the project's common data environment strategy	R-A		
2.0 Information Management Process - Invitation to Tender	5.2.1	Establish the appointing party's exchange information requirements	R-A		
	5.2.2	Assemble reference information and shared resources	R-A		
	5.2.3	Establish tender response requirements and evaluation criteria	R-A		
	5.2.4	Compile invitation to tender information	R-A		
3.0 Information management process - tender response	5.3.1	Nominate individuals to undertake the information management function		R-A	
	5.3.2	Establish the delivery team's (pre-appointment) BIM execution plan		R-A	I

	5.3.3	Assess task team capability and capacity		I	R-A
	5.3.4	4 Establish the delivery team's capability and capacity		R-A	
	5.3.5	Establish the delivery team's mobilization plan		R-A	
	5.3.6	Establish the delivery team's risk register		R-A	
	5.3.7	Compile the delivery team's tender response		R-A	
4.0 Information management process - appointment	5.4.1	Confirm the delivery team's BIM execution plan	I		R-A
	5.4.2	Establish the delivery team's detailed responsibility matrix			R-A
	5.4.3	Establish the lead appointed party's exchange information requirements			R-A
	5.4.4	Establish the task information delivery plan(s)			I
	5.4.5	Establish the master information delivery plan	I		R-A
	5.4.6	Complete lead appointed party's appointment documents	R-A		
	5.4.7	Complete appointed party's appointment documents			R-A
5.0 Information management process - mobilization	5.5.1	Mobilize information technology			R-A
	5.5.2	Test the project's information production methods and procedures	I		R-A
	5.5.3	Mobilize information technology			R-A
6.0 Information management process - collaborative production of information	5.6.1	Check availability of reference information and shared resources			I
	5.6.2	Generate information			I
	5.6.3	Undertake quality assurance checking			

	5.6.4	Review information and approve for sharing			
	5.6.5	Information model review			R-A
7.0 Information management process - information model delivery	5.7.1	Submit information models for lead appointed party authorization			I
	5.7.2	Review and authorize the information model			R-A
	5.7.3	Submit information model for appointing party acceptance			I
8.0 Information management process – Project close-out	5.8.1	Archive the Project Information Model	R-A		
	5.8.2	Capture lessons learnt for future projects	R-A		R-A

3.6 Detailed Responsibility Matrix

The Lead AP take the high-level responsibility matrix and go into further detail to establish the detailed responsibility matrix, which ascertains:

A detailed responsibility matrix shall identify what is being produced, when it is being exchanged, and which task team is responsible.

In doing so, the lead appointed party shall consider:

•Information delivery milestones

Review EIR and ensure all milestones are included in the responsibility matrix.

•High-level responsibility matrix

Review high-level responsibility matrix and ensure all elements / deliverables transferred / included.

•Standards, methods and procedures

•Information container breakdown structure

Volume strategy reviewed and volumes included in Responsibility matrix.

•Information production process dependencies.

Group 05

Detailed Responsibility Matrix

Classification	Title	2 - Concept Design		Stage 3 - Developed Design		Stage 4 - Technical Design		Stage 5 - Construction	
		Design responsibility	Level of Information Need	Design responsibility	Level of Information Need	Design responsibility	Level of Information Need	Design responsibility	Level of Information Need
Ss_15 - EARTHWORK									
Ss_15_10_30	Excavating and filling systems	Structural Engineer	See scope section of BEP	Structural Engineer	See scope section of BEP	Structural Engineer	See scope section of BEP	Structural Engineer	See scope section of BEP
Ss_15_30_50	Masonry repair and renovation systems	Structural Engineer		Structural Engineer		Structural Engineer		Structural Engineer	
Ss_15_30_90	Timber repair and renovation systems	Structural Engineer		Structural Engineer		Structural Engineer		Structural Engineer	
Ss_20 - STRUCTURA									
Ss_20_05_15	Concrete foundation systems	Structural Engineer		Structural Engineer		Structural Engineer		Structural Engineer	
Ss_20_05_50	Minor concrete substructure systems	Structural Engineer		Structural Engineer		Structural Engineer		Structural Engineer	
Ss_20_05_65	Piling systems	Structural Engineer		Structural Engineer		Structural Engineer		Structural Engineer	
Ss_20_10_70	Shelter systems	Structural Engineer		Structural Engineer		Structural Engineer		Structural Engineer	
Ss_20_10_75	Structural framing systems	Structural Engineer		Structural Engineer		Structural Engineer		Structural Engineer	
Ss_25 - WALL AND									
Ss_25_10_20	Curtain walling systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_10_30	Framed partition systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_10_32	Framed wall structure systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_10_35	Framed glazed systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_11_16	Concrete wall systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_12_60	Panel cubicle systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_12_65	Panel partition systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_12_80	Structural glass wall systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_13_33	Glass wall systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_13_50	Masonry wall systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_14_63	Post, rail and board fence systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_14_67	Post, wire and mesh fence systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_15_60	Pedestrian safety barrier and guarding systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_16_94	Vehicle restraint systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_20_08	Board cladding systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_20_14	Composite panel cladding systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_20_15	Concrete cladding systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_20_33	Glass fibre reinforced concrete (GRC) cladding systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_20_35	Glass fibre reinforced plastics (GRP) cladding systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_20_50	Metal sheet cladding systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_20_68	Profiled sheet cladding systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_20_70	Rainscreen cladding systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_20_72	Sheet cladding systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_20_85	Stone cladding systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_20_90	Unit cladding systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_25_45	Lining and casing systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_25_75	Rigid sheet fine lining and panelling systems	Architetot		Architetot		Architetot		Architetot	
Ss_25_25_85	Stone lining systems	Architetot		Architetot		Architetot		Architetot	

3.7 Planning The Work & Data Segregation

The appointed parties should manage the planning of modelling work and data segregation in line with industry standards, guidelines, best practice and other documents. The BEP should align with the needs of the client, focusing on the following project-specific processes as a minimum:

1. Model management
2. Collaboration process
3. Model size
4. Model viewing
5. Volumes, zones and areas
6. Naming conventions
7. Information publishing processes
8. Security of model information
9. Training

In accordance with ISO 19650-2: 2018 5.3.2 c) The federation strategy should be clearly illustrated and the breakdown of linked models, zones and discipline specific areas for coordination and delivery of information.

Discipline	Description	Proposed Volume Code

Architect	Building Architectural Model	A01
Architect	Architectural Site / Landscaping Model	AS1
Structural Engineer	Building Steel Frame	S01
Mechanical Engineer	Building M & E layout	M01
Plumbing Engineer	Building Plumbing Layout	P01
Fire Plan	Fire Escape, Route & Ratings	F01

3.8 Collaborative process

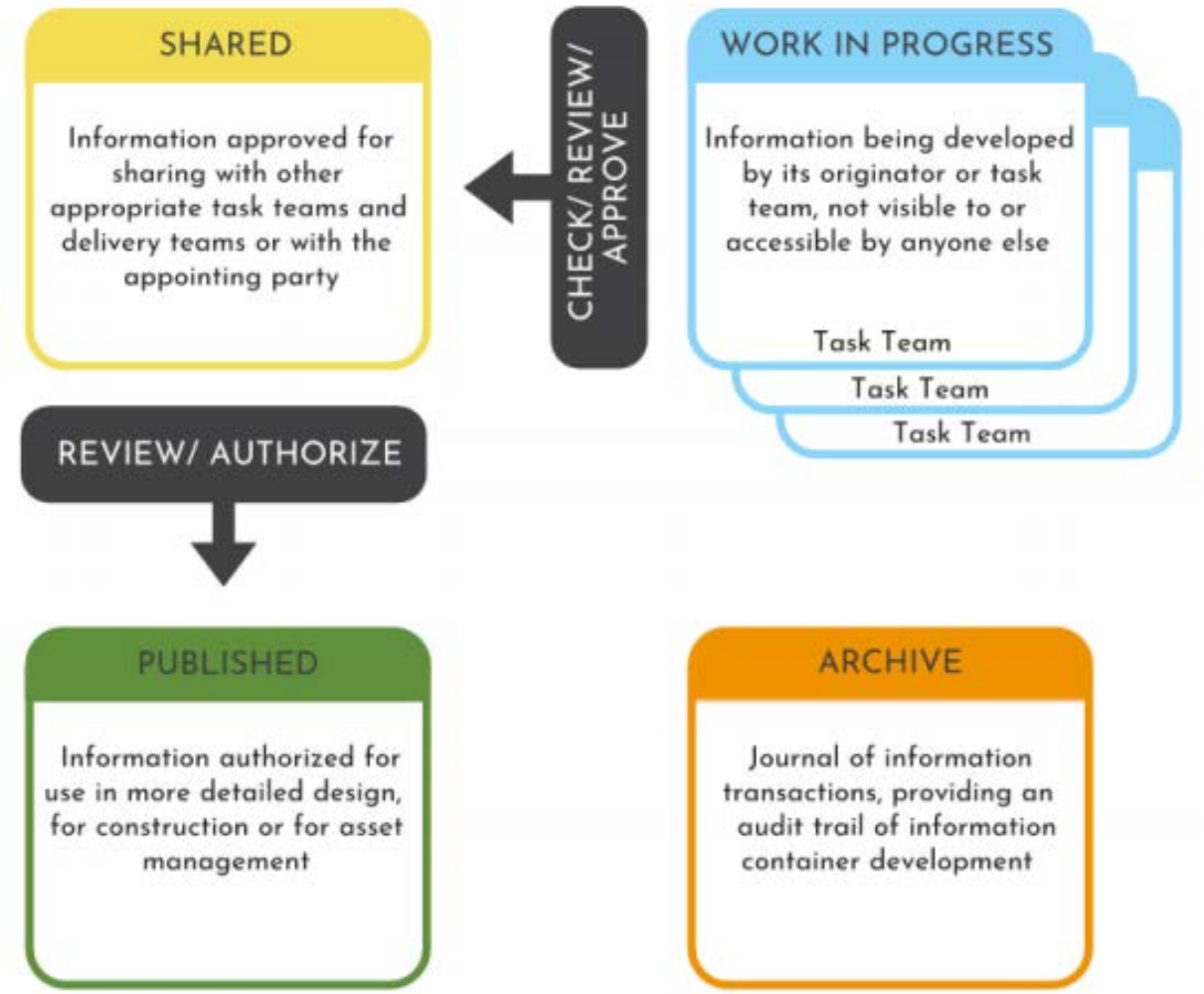
The EIR has been reviewed and the following summary of activities demonstrates the approach to collaboration and exchange of information..

All parties are to collaborate and share project information.

1. The information exchange will take place in the Common Data Environment (CDE) and to align with OpenBIM methodology. The Appointed Party is expected to manage the project's CDE at each stage of the project. The management and systems providing this service may change with the appointment of different project teams or suppliers for different stages or phases. However, there will only be one project CDE in operation at any time to avoid duplication of information and ensure one single source of truth. BIM Sync is to be used as a CDE Solution for Group 05 Delivery Team.
2. Task Teams will authorise their file creation in their respective work in progress folders and carry out regular quality assurance checks.
3. BIM Coordinators will initiate a review to authorise publication from WIP into the Shared area of the CDE. Upon Authorization, revised versions with suitability codes for the appropriate 'Published' versions will also be uploaded to the CDE.
4. The BIM manager will verify the information uploaded by task teams in line with the project standards methods and procedures: Information container naming, suitability, version control, file types, archiving process etc.
5. Zigurat will verify the uploaded information in line with the agreed information exchange frequency, major project milestones and will accept/reject information with appropriate suitability codes in the CDE Shared area, enabling it to move to the published area at the respective information exchanges defined in the major project milestones.

3.9 CDE Workflow

Common Data Environment (CDE) workflow mobilized, to support the collaborative production and sharing of information on this project. Folder structures with the name of statuses (Work In Progress, Shared, Published, Archive) shall be set up in the following way:



3.10 CDE Solution Requirements

The Delivery Team Common Data Environment (CDE) solution is Catenda Hub (previously Bimsync)

The CDE has the following requirements in accordance with ISO 19650-2.

CDE REQUIREMENT	DETAILS
All information containers will have a unique ID	The unique ID shall be agreed and documented along with the fields separated by a delimiter
All Information Containers will have the following attributes assigned:	Status (suitability), Revision and Classification

Information containers to transition between states	Work In Progress, Shared and Published
User and date of transition between each state	Record of when the state changed (from Work in Progress to Shared) and who made the change
Access restrictions at an information container level	Control over who has access to each Information Container

3.11 CDE Meta Data Requirements

NA.4.2 Status

Status codes for information containers should be applied according to Table NA.2.

Table NA.2 — Status codes for information containers within a common data environment

Code	Which information containers should the code be used for?	Revision (see NA.4.3)
Work in progress (WIP)		
S0	Information container being developed within a task team	Preliminary revision and version
Shared (non-contractual)		
S1	Information containers that are suitable for geometrical and/or non-geometrical coordination within a delivery team (5.6.5)	Preliminary revision
S2	Information containers that are suitable for information/ reference by other task teams within a delivery team (5.6.5)	Preliminary revision
S3	Information containers that are suitable for review and comment within a delivery team (5.6.5)	Preliminary revision
S4	Information containers that are suitable for review and authorization by a lead appointed party (5.7.1)	Preliminary revision
S5	Information containers suitable for review and acceptance by an appointing party (5.7.3)	Preliminary revision
Published (contractual)		
A1, A*n*, etc.	Information containers where there are no comments from the party being invited to either: • authorize them (if they are in response to a lead appointed party exchange information requirement); or • accept them (if they are in response to an appointing party exchange information requirement)	Contractual revision
B1, B*n*, etc. [DEPRECATED]	Information containers that are partially signed off where there are comments from the party being invited to authorize or accept them	Preliminary revision

NOTE 1 '*n*' relates to the work stages defined within BS 8536-1:2015 and BS 8536-2:2016, unless an alternative approach has been documented in the project's information standard.

CDE Metadata Requirements, both Status and Revision codes are to be based on the United Kingdom's National Annex (NA) of ISO 19650-2-2018.All files shall be populated with appropriate metadata in accordance with the requirements below. Refer to NA table 4.2.

3.12 Health and Safety

The Appointing Party expects the BIM process to support the project Health & Safety aligned to the project

work stages. This includes the utilisation of BIM to identify and reduce H&S hazards/ risks in design, construction and operational phases through early identification and mitigation. Residual hazards/ risks should be communicated through the CDE and where possible within the model environment.

Risks shall be highlighted in the models using 3D hazard markers as described in PAS 1992-6.

PAS1192 Part 6 to be used for hazard identification, risk rating, likelihood and associated parameters. Example of risk attributes to be created as shared parameters, and an IFC export defined below.

Annex A (normative)
Context and Risk register attributes

Table A.1 shall be used for sharing context and risk information.

Context or risk attribute	Measure and Examples	Description	Context information sharing (see 7.1)	Risk information sharing (see 7.2)	Notes and COBie Issue and IFC Pset_Risk [#] equivalence
Name	text • P101/AA/001	Short unique name, unique to the project or library, of the context or risk entry	Mandatory	Mandatory	To track the entry across sharing. See 7.1.2.1 and 7.2.1 COBie: Issue.Name
Risk Category	enumeration • health issue • safety issue • other • context	Shallow or deep classification of risk or 'context'	Set to 'context'	Mandatory	See classification table annex B COBie: Issue.Type Pset_Risk: RiskType
Risk Description	text • Fall from height	Description of the context or hazard, omitting the associated location, product and process	Mandatory	Mandatory	Non-significant risks need not be shared. see 7.2.1.1 COBie: Issue.Description Pset_Risk: NatureOfRisk
Associated Product	text or link • B1 • Stair treads • Pr-06-30-15 : Treads • NRM1-05-04-12 • P101-AA-XX-XX-A-00101_Stair_sections	Product, material, type, Component, System or Facility associated. This may be a name, category, description or spec/bill or entity reference.	Mandatory	Mandatory	An entity reference may be a link to a BIM or COBie or Gantt entity COBie: Issue.SheetName1 COBie: Issue.RowName1 Pset_Risk: RiskCause
Associated	text or link	Activity, Process, Task, Job type, Package or Project	Mandatory	Mandatory	An entity reference may be a link

Ifc Properties | External References | Type and Properties

C1 (IfcColumn)

Name	Value
GlobalId	0cmp0000000000ID0EXEAC
Name	C1
Description	Column
ObjectType	component

HSE_Risk_UK - Documentation of a potential hazard, likilihood and consequence alligned with BS PAS 1192-6:2017, which can be asigned or assoicaited to a product, activity or location. Alternatively it may be assigned to an BS ISO 3864 annotation symbol. (IfcPropertySet)

Name	Value	Description
RiskName	RC1	Risk Name
RiskType	Handling	Risk Type
NatureOfRisk	High centre of gravity for manual working	Risk Description
AssociatedProduct	(self)	Associated product contributing to the triggering the risk
AssociatedActivity	disassembly	Associated activity contributing to the triggering the risk
AssociatedLocation	(anywhere)	Associated location contributing to the triggering the risk
UnmitigatedLikelihood	High	Unmitigated Likelihood
UnmitigatedConsequence	Very High	Unmitigated Consequence
UnmitigatedSignificance	Very High	Unmitigated Significance
MitigationPlanned	Cranage	Mitigation Planned
MitigatedLikelihood	Low	Mitigated Likelihood
MitigatedConsequence	Very High	Mitigated Consequence
MitigatedSignificance	Very High	Mitigated Significance
MitigationProposed	No further action	Mitigation Proposed
Updated	2017-01-02T15:22:43	Meta data recording the date and time of an update

☑ General properties ☐ Materials
☑ Property sets ☑ Owner info
Add IFD... Edit properties...

3.13 System Performance

Confirm the system performance

The delivery team will follow the requirements
a. Size: 300MB for information models and 100MB for other documents;
b. Data schema: models will be provided in native and IFC2x3;

3.14 Delivery Strategy For Asset Information

The Asset Information Model is a collection of different types of project outputs; Geometric and alphanumeric information, and documentation. from design and construction phases and is then enhanced with ongoing data during operations, maintenance including changes to the buildings or assets over the life-cycle.

The PIM shall be archived, then becoming the AIM, feeding into an asset management system.

This process is dealt in the ISO 19650-3 Part 3: Operational phase of the assets

Delivery of Asset Information is outlined in the below table.

Asset Information Model Outputs	**Details**
Geoemtrical Information	Individual discipline native and IFC 2x3 models
Alphanumerical Information	IFC 2x3 models COBie data in unlocked MS Excel xlsx format or equivalent. (Refer to AIR for COBie requirements)
Project Documentation	Reports & schedules, 2D PDF data linked to models,

3.15 Maintainable Asset Information / COBie Deliverables

AIR established by the appointing party under ISO 19650 part 1 section 5.3 ‘Asset Information Requirements (AIR)’

COBie deliverables based upon the Appointing Party (Zigurat) information requirements received, and the maintainable assets specified.

A full list of the items to be included/excluded can be found within the Shred Resources folder of the CDE.

Security Requirements

All teams shall **apply the principles and requirements of ISO 19650-5 for security-minded Building Information Modelling**, digital built environments and smart asset management.

All parties providing services may use their own computing facilities to deliver services **with the following conditions:**

- Computing facilities must be separate from personal computing facilities used by themselves or their families etc for leisure or other personal uses; and must employ best-practice security controls with up to date antivirus control, personal firewall, access control, disk encryption and up-to-date software patches.
- Use of these computing facilities should be limited to activities involving client data such as producing reports, reviewing documents, sending and receiving emails, and should not involve storing and processing large volumes of client data - for example, database extracts.
- Where the computer connects to a remote network an encrypted link must be used.
- Data will be stored in a cloud server and backed up continuously.
- Data will not be transferred via non-secure .
- Computer hard disk drives should be securely erased before disposal or recycling.
- If the data warrants a Government protective marking, the disk encryption employed must conform to CAPS.
- No emails containing protectively marked or personal data, or any other type of sensitive information, should be sent un-encrypted over the internet.
- Any removable media used to transport data outside of secure buildings must be encrypted with a product certified to FIPS 140-2. Once no longer required, these devices should be securely disposed of.
- In compliance with the Data Protection Act, any personal data must be deleted when no longer required and must not be used for any other purposes other than that for which it was collected. It must not be retained beyond the duration of engagement.
- Where there is a need to provide access to large volumes of personal or protectively marked data, only client computing facilities must be used. Removable media provided by the client must be returned after use.
- Paper records containing sensitive or personal data should be stored, transported and disposed of securely.
- Sensitive waste paper should be collected separately from normal waste and stored securely pending destruction by shredding or burning.

3.16 Model Review meetings

1. The BIM Coordinator shall chair regular coordination workshops **every 2 weeks** to present and resolve as many issues with the Project Delivery Team as possible.
2. Any unresolved issues shall be escalated to the BIM Manager to find a resolution where possible, and logged in the Information Risk Register.
3. Any unresolved issues following the Design Team Model Review Meeting shall remain in the BIM Sync with a Status to reflect that it s due t to be actioned by the respective task team(s).

4. The BIM Coordinator shall regularly update and keep track of any issues via BIM Sync through BCF.
5. Each task team shall review BIM Sync for issues and assign actions within their team to find resolutions.
6. Each information author to coordinate and resolve the actions where practical prior to the next information exchange.

3.17 Coordination process

Appointed parties are advised to author models using generic BIM objects suitable for 3D coordination and clash detection. General design coordination is the responsibility of the BIM Coordinator.

As part of the federation strategy, the delivery team shall perform software-based clash detection and coordination.

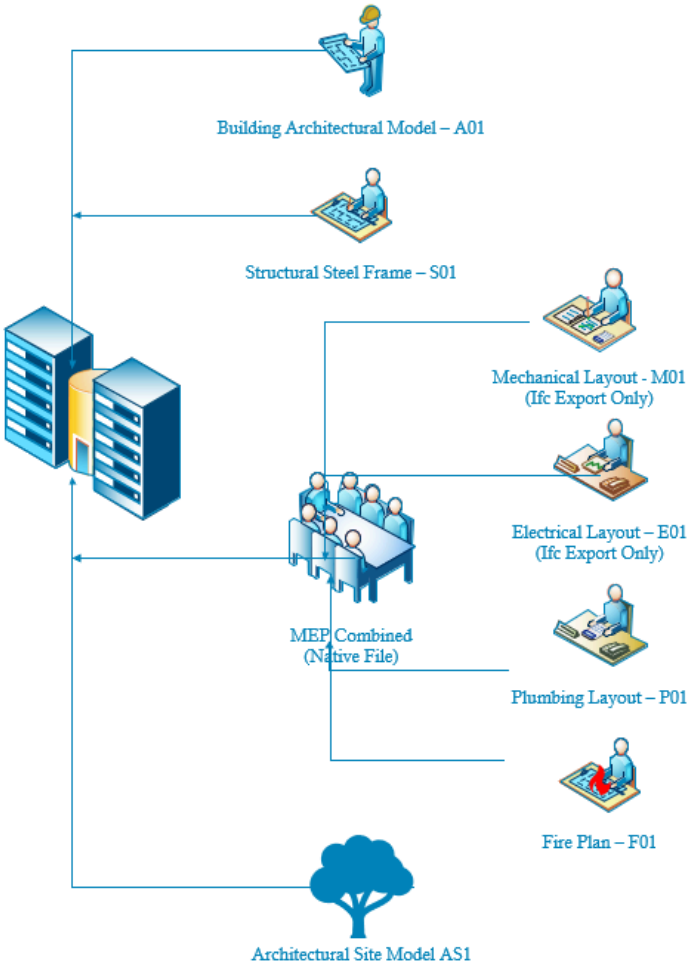
Process, Overview & Responsibilities

1. Tasks teams will upload a model export in ifc format to the CDE (which has undergone technical and standards compliance checks) on a fortnightly basis.
2. The BIM Coordinator will federate models and undertake clash avoidance against an agreed suite of clash items and tolerance lists defined at post-contract award stage.
3. A BIM coordination workshop will be held to review the clashes and a residual list of clashes will be distributed to the appropriate task teams for resolution within the fortnightly BIM coordination cycle.

3.18 Federation Strategy

In accordance with ISO 19650-2: 2018 5.3.2 c)

The diagram below illustrates the volumetric / geometrical sub-division of the model and the methods by which the models are federated for coordination and delivery of information. The diagram does ‘not’ depict every output and deliverable.


Building Architectural Model – A01
Structural Steel Frame – S01
Mechanical Layout - M01
(Ifc Export Only)
Electrical Layout – E01
(Ifc Export Only)
MEP Combined
(Native File)
Plumbing Layout – P01
Fire Plan – F01
Architectural Site Model AS1

4 Technical

4.1 Software Schedule

The below software schedule has been based on upon and expanded from the software schedule defined within the EIR

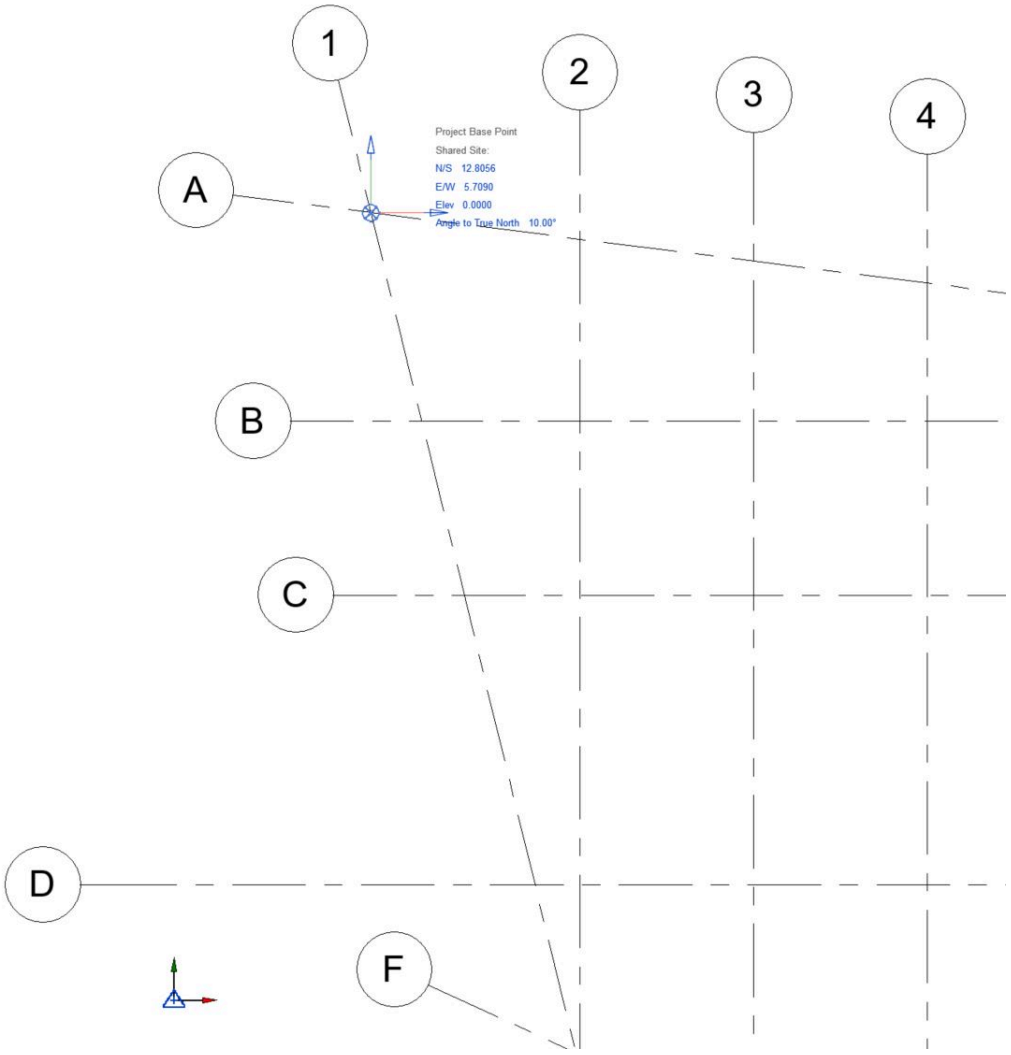
Software & Version	Use / Purpose	Exchange Formats
Revit 2022	BIM model and object authoring Architectural Structural M & E	Native RVT IFC 2x3 PDF XML
Archicad 26	BIM model and object authoring Architectural Structural M & E	Native PLN IFC 2x3 PDF XML
AutoCAD 2022	Secondary design	DWG & DXF
Tekla	Structural frame design	IFC 2X3
Plannerly	BIM Document Management	PDF
BIM Collab Zoom	Managing clash results and responsibility	BCF & IFC
Solibri	Asset data review	IFC & Cobie
BIM interoperability tools	COBie production BIM object classification	XML
Slack	Team Communication Platform	n/a
Trello	Project Management Platform	n/a
Synchro	4D Timelining	.sp & .mp4

4.2 Coordinate

All models of the building will use the Location in the Architectural mode shown below as a shared base point that must be used by the entire project team for building coordination purposes.

Each model will be aligned and rotated so that when exporting to the various shared formats, they will align without requiring the exports to be moved or rotated.

The project base point & site survey point are shown below.



For this process, the following information applies:
- Intersection of grids A and 01 -N/S 12.8056 E/W 5.7090

- Ground floor Finished floor level (FFL) = [0000].

Other coordination standards includes:
- Origin rotation; 10.00

-0 Offsets

- Units to be used = MM

4.3 Project Units

International metric system shall be applied. Every model uses the following project units. Units of measurement for construction elements according to the project discipline.

Quality	Units	Format	Example
Length	Metres (m)	0.000	1.2345 m

Area	Metres Squared (m^2)	0.00	1234.56 m^2
Volume	Meters Cubed (m^3)	0.00	1234.56 m^3
Angle	Degrees (°)	0.00	12.34°
Slope	Degrees (°)	0.00	12.34°
Currency	Euros €	0.00	1234.56 €
Mass Density	Kilograms/ Meters Cubed (kg/m^3)	0.00	1234.56 kg/m^3

4.4 Information Container Naming

Information Container Identification to be based on the United Kingdom's National Annex (NA) of ISO 19650-2-2018.

Project UPRN to be WZB with 05 added to distinguish Group 05

Form field expanded to 2 digits.

Please refer to Information Container / File Naming appendix document within Canvas / CDE.

Project	Originator	Functional Breakdown	Spatial Breakdown	Form	Discipline	Number
WZB05	G05	A01	XX	M3	A	010001

4.5 Classification Systems & Attribute Data

Classification of information within information containers should be in accordance with Uniclass 2015 (the UK implementation of ISO 12006-2:2018).

.

The following table lists classification parameter requirements.

Item	Classification	Table	Comments
All BIM Objects	Uniclass 2015	Pr – Products: Number & Description	Applied to all elements.
All Rooms / Spaces	Uniclass 2015	SL - Spaces / Locations	Applied to all spaces.
All Documentation	Uniclass 2015	Pm – Project Management	Applied to all Documents.

4.6 Training

The Lead Appointed Party will be responsible for maintaining and delivering appropriate information handling and access training to all interfacing parties including any Appointing Party staff, for the operation and access to the CDE, and other software as defined in the schedule within this document.

Supplier Capability forms shall highlight any area for improvement and training and put into place a plan for training during mobilization.

Training Topic	Owner	Frequency	Method
Navigation tools	BIM Manager	Initial E-learning basics training and study of guidance documents to be undertaken prior to project kick-off. Additional workshops are to take place every 2 weeks after team meetings to ensure competency with the software and projects information production methods and procedures.	Online Virtual Workshops Online E-Learning
Communication tools	BIM Manager	Initial E-learning basics training and study of guidance documents to be undertaken prior to project kick-off. Additional workshops are to take place every 2 weeks after team meetings to ensure competency with the software and projects information production methods and procedures.	Online Virtual Workshops Online E-Learning
Common data environment	BIM Manager	Initial E-learning basics training and study of guidance documents to be undertaken prior to project kick-off. BIM mock up and test information exchange / induction session to occur during the BIM kick of meeting to ensure competency of Appointed Parties in the CDE solution.	Online Virtual Workshops Online E-Learning
Collaboration tools	BIM Manager	Initial E-learning basics training and study of guidance documents to be undertaken prior to project kick-off. Additional workshops are to take place every 2 weeks after team meetings to ensure competency with the software and projects information production methods and procedures.	Online Virtual Workshops Online E-Learning
Standards Compliance	BIM Manager	BIM Manager to provide ISO 19650 information management process overview session at project kickoff. Guidance material to be provided.	Online Virtual Workshops Online E-Learning

4.7 Security

Confirmation of security requirements

The delivery team will use concepts and principles included in **ISO 19650-5:2020** to manage security processes related to BIM.

A security triage process has been undertaken in accordance with BS EN ISO 19650-5:2020. The outcome of the security triage is: ST4.

We confirm we are aware of our duty of confidentiality and responsibility to safeguard all client information and/or data that they provide and/or access irrespective of whether it is marked or not.

We are also aware of the information security strategy included in the Built Asset Security Information Requirements that will be followed for this project.

4.8 Quality Assurance plan

Definition of QA requirements.

Design Team Quality assurance/control defined procedure, including data verification and validation, and associated software is defined below:

Design Proces Overview:

Each task team shall generate information in accordance with their respective TIDP, as referenced in the BEP. Geometry shall be authored and checked through spatial coordination regularly in their own authoring tool and through a federated model. Data shall be authored and checked regularly throughout the design process also.

1. Information Authors / responsible persons from each discipline shall review the TIDP and develop the information required for the respective work stages/information exchanges in line with the Project Information Standard and the Methods & Procedures defined within the BEP document.

2. Review the Level of Information Need as defined in the BEP, and as per ISO 19650-2 Clause 5.4.2 Detailed Responsibility Matrix, ensuring the level of detail and level of information is met but not excessively exceeded.

3. 3a. Ensure information does not overlap with other disciplines to create duplicate information within multiple information containers at specific work stages. Refer to the federation strategy within the BEP for model and discipline subdivision.

3b. Each discipline Task Team to create content within the project information model, containing meta-data identified within the AIR – Asset Information Requirements and Detailed Responsibility Matrix.

Models created in the native file format as indicated below for each discipline. (Add icon & file format images here)

4. 4a. Ensure all other task teams information is federated and coordinated with their design solutions. In the interest of Open BM and collaboration, information exchanges shall take place in IFC 2x3 in addition to the native file formats. All file formats and dates / work stages for information exchanges are defined In the BEP.

Disciplines To check review and approve before sharing with dates/work the other disciplines via the shared state of the CDE.

BIM coordinators to manage the coordination process and ensure collaboration between each discipline task team. Clashes and issues to be created and managed through Open BIM BCF format, using BIM Collab Zoom.

Any unresolved clashes and coordination issues to be escalated to the BIM manager.

Regularly review and resolve clashes in the cloud through open BIM software, BIM Collab Zoom & bcf.

4b. Task Teams to undertake regular reviews of the Project Information Model to ensure data integrity at intermediate information exchanges.

BIM managers to validate for compliance with the EIR and project information standards using Solibri.

Level of information need within the models to progress with each incremental information exchange.

5. 5a.All disciplines to Ensure models and outputs are spatially coordinated with no overlaps as per ISO 19650-2 Clause 5.6.2 d. Resolve any clashes identified during previous design coordination workshops and through ongoing Open BIM clash detection and coordination through BCF.

5b. Review the BIM Execution Plan (BEP) 'Information Exchange File Formats' for the agreed method for data delivery i.e. COBie, IFC, Excel & PDF (as per ISO 19650-2 NA.5.1).

6. Identify any conflicts relating to geometry, data or documentation and raise an issue for resolution at the regular Coordination Workshops.

7. BIM manager is to review and authorize the information prior to sharing it with the client through the project CDE.

8. BIM manager to Ensure the correct status codes and revisions are added to each information container in accordance with the BEP & Projects Information Standard.

Quality Assurance overview

Prior to undertaking a review of the information within the information container, the following Quality Assurance activities shall be carried out on the information container itself.

1. Locate the folder within the project folder or CDE directory where the information container(s) are stored.

2. Review the TIDP to check what files are expected to be produced and shared during the respective work stage.

3. Check the information 'container' has been generated in-line with the Project Information Standard. This is typically items such as:

- Information Container Naming Standard

- Status codes

- Revision sequencing

- File Size

4. Check the information container has been generated in-line with the agreed Project Methods and Procedures. This is typically items such as;

- Methods for applying status & revision

- The model's subdivision or volume strategy

- Methods for preparing containers for sharing

- Procedures for storing the containers within the CDE

5. If unsuccessful, reject the information container and inform the information author of the corrective action.

6. Subject to passing quality assurance, proceed to ISO 19650-2 Clause 5.6.4 Approve for Sharing.

4.9 Information Exchange

Confirm the timing and content of information exchanges between the appointing party and appointed party and how information exchanges are aligned to work stages.

Formal information exchanges will be adopted in order to support key decision stages and/or milestones in the project and they should be exchanged prior to the end of a stage to advise the decision gateways.

There may be a number of information exchanges within a defined stage.

For this project RIBA stages are used and information exchanges are as follows:

RIBA Work Stage	Info Exchange Milestone	Purpose / Activity to Undertake	Responsible Party
1 Preparation & Brief	1A	Consider and develop the initial brief	Appointing Party
	1B	Undertake desktop study of the site	Appointing Party
2 Concept Design	2A	Develop initial design based upon brief	Lead Appointed Party
	2B	Approve Coordinate design	Appointing Party
3 Spatial Coordination	3A	Prepare & Deliver Planning Pack of Information	Lead Appointed Party
	3B	Approve Planning Pack of Information for Submission	Appointing Party
4 Technical Design	4A	Designs complete and models federated and fully coordinated	Lead Appointed Party

	4B	Final business case and contract documentation	Appointing Party
5 Manufacturing & Construction	5A	On site construction begins.	Lead Appointed Party
	5B		Lead Appointed Party
	5C		Lead Appointed Party
6 Handover and Close out	6A	Soft landings and handover of the A.I.M.	Lead Appointed Party

4.10 Level of Information Need

Confirm the Level of Information Need

The Lead appointed party will deliver the granular level of information need included in this document for each stage prior to the commencement of work.

This is to be agreed with the Appointing Party.

Geometrical Information (see Scope Tab)
Alphanumerical Information (see IDM guide provided for FMT)
Documentation (see FMT requirements)

4.11 Reference Information

INFORMATION	DESCRIPTION	LOCATION
FMP Workflow guidelines	FMP Workflow guidelines	Canvas
Frequently Asked Questions	FAQ	Canvas
Final Master These – Kick Off	FMP Presentation slides	Canvas
List of deliverables	List of deliverables required for the FMP	Canvas
Plan	0.00.dwg	Canvas
Plan	1.01.dwg	Canvas
Plan	-1.B1.dwg	Canvas
Plan	2.02.dwg	Canvas
Plan	3.03.dwg	Canvas

Plan	4.04.dwg	Canvas
Plan	5.05.dwg	Canvas
Plan	6.06.dwg	Canvas
Plan	7.07.dwg	Canvas
Plan	8.08.dwg	Canvas
Plan	9.09.dwg	Canvas
Plan	10.10.dwg	Canvas
Plan	11.11.dwg	Canvas
Section	S-01 Building Section.dwg	Canvas
Section	S-02 Building Section.dwg	Canvas
Section	S-09 Building Section.dwg	Canvas
Section	S-10 Building Section.dwg	Canvas

4.12 Shared Resources

INFORMATION	DESCRIPTION	LOCATION
BIM Sync Guidance Document	CDE Solution workflow Guide	BIM Sync Shared Resources Folder

4.13 Delivery Team Capability and Capacity

TEAM	EDUCATION	TRAINING	SOFTWARE CERTIFICATION	AVAILABILITY
BIM Manager - Mike Tofton	BSC Arch. Tech	BRE BIM & ISO 19650 Practitioner	Revit, COBie, IFC	40 hrs/week
BIM Coordinator - Ainoa Gomez	BSC Arch. Tech	Revit	Revit certified user	40 hrs/week
Lead Architect - Eleni Markopoulou	MEng, Architect, Certified Project Manager	ArchiCAD	Graphisoft certified user	40 hrs/week
Lead Structure - Victor Galupa	Structural Engineer Project Manager	Revit	Revit certified user	40 hrs/week

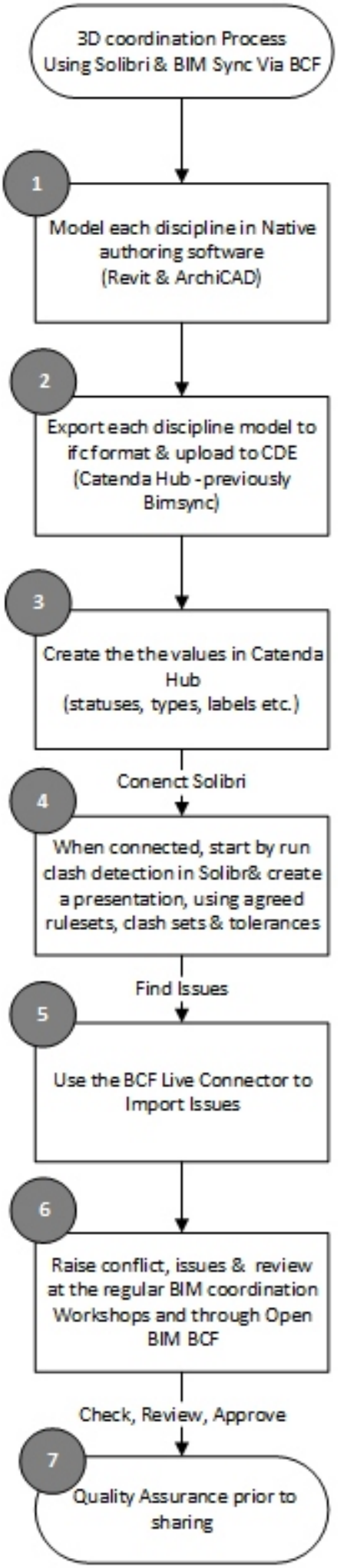
Lead MEP - Ioannis Kalfagiannis	Mechanical Engineer	Revit	Revit certified user	40 hrs/week
Lead MEP - Thanasis Soulos	Electrical Engineer	Revit	Revit certified user	40 hrs/week

4.14 Projects Information Production, Methods & Procedures

As per ISO 19650-2 Clause 5.1.5, Establish the project's information production methods and procedures

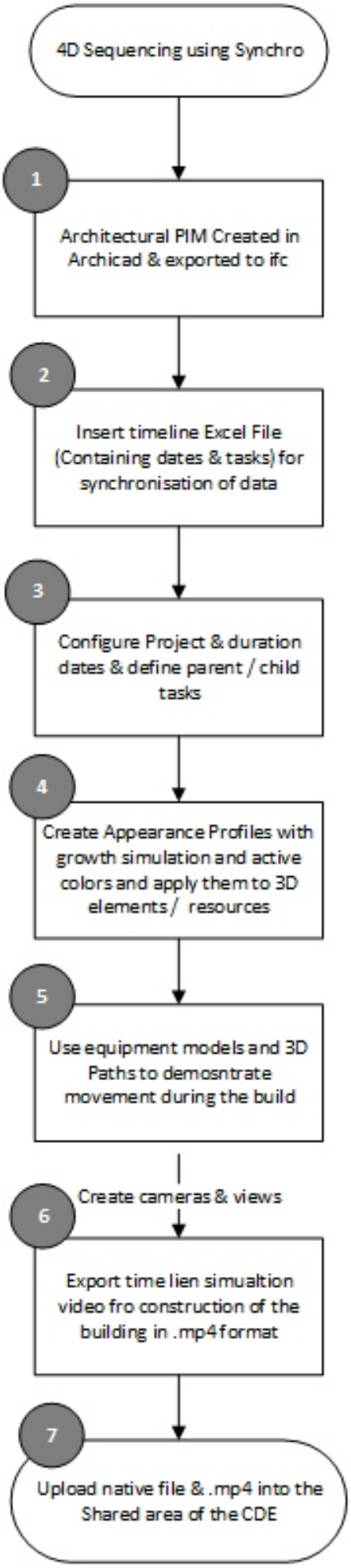
4.14.1 3D

3D coordination Process, Using Solibri & BIM Sync Via BCF


3D coordination Process Using Solibri & BIM Sync Via BCF
1
Model each discipline in Native authoring software (Revit & ArchiCAD)
2
Export each discipline model to ifc format & upload to CDE (Catenda Hub - previously Bimsync)
3
Create the the values in Catenda Hub (statuses, types, labels etc.)
Conenct Solibri
4
When connected, start by run clash detection in Solibr& create a presentation, using agreed rulesets, clash sets & tolerances
Find Issues
5
Use the BCF Live Connector to Import Issues
6
Raise conflict, issues & review at the regular BIM coordination Workshops and through Open BIM BCF
Check, Review, Approve
7
Quality Assurance prior to sharing

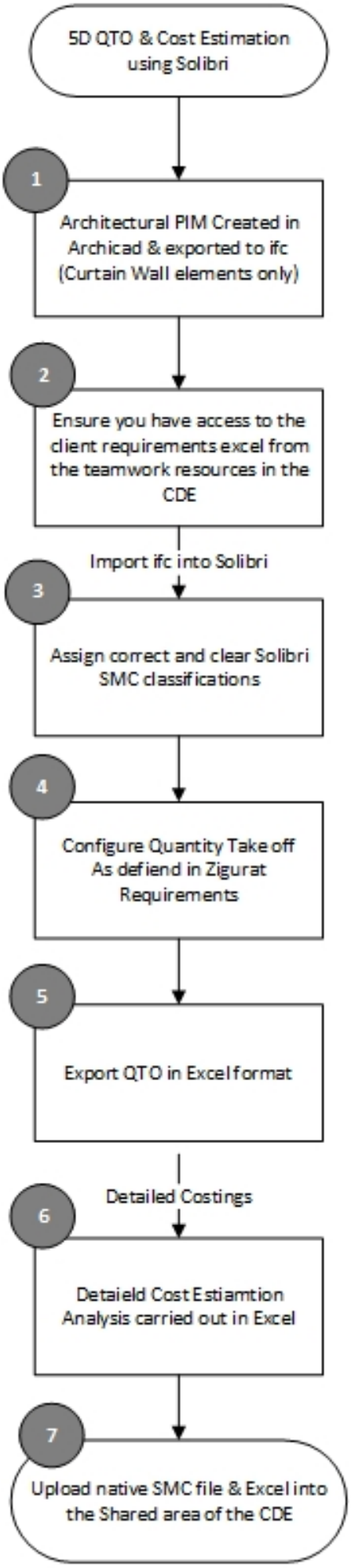
4.14.2 4D

4D Sequencing using Synchro

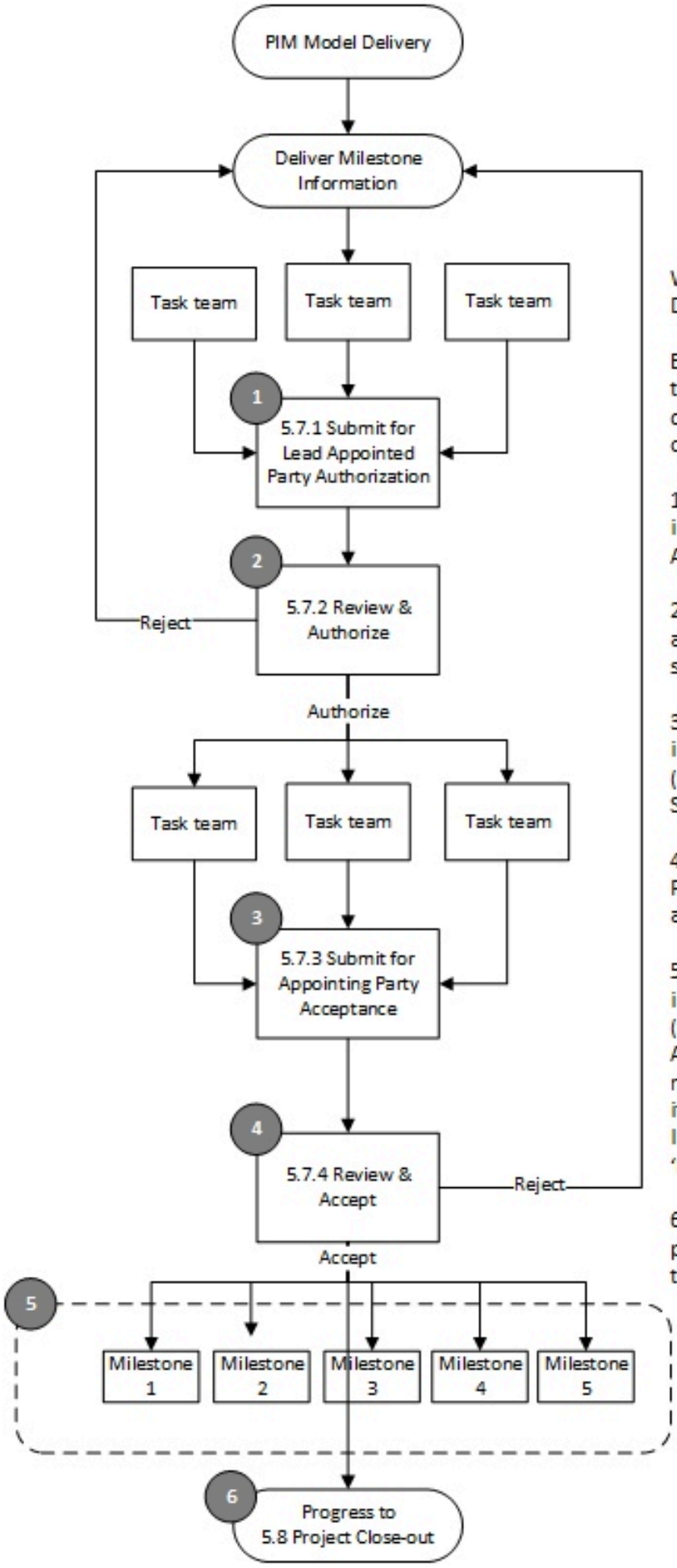

4D Sequencing using Synchro
1
Architectural PIM Created in Archicad & exported to ifc
2
Insert timeline Excel File (Containing dates & tasks) for synchronisation of data
3
Configure Project & duration dates & define parent / child tasks
4
Create Appearance Profiles with growth simulation and active colors and apply them to 3D elements / resources
5
Use equipment models and 3D Paths to demosntrate movement during the build
Create cameras & views
6
Export time lien simualtion video fro construction of the building in .mp4 format
7
Upload native file & .mp4 into the Shared area of the CDE

4.14.3 5D

5D QTO & Cost Estimation using Solibri


5D QTO & Cost Estimation using Solibri
1
Architectural PIM Created in Archicad & exported to ifc (Curtain Wall elements only)
2
Ensure you have access to the client requirements excel from the teamwork resources in the CDE
Import ifc into Solibri
3
Assign correct and clear Solibri SMC classifications
4
Configure Quantity Take off As defiend in Zigurat Requirements
5
Export QTO in Excel format
Detailed Costings
6
Detaield Cost Estiamtion Analysis carried out in Excel
7
Upload native SMC file & Excel into the Shared area of the CDE

4.14.4 PIM Delivery



Who: Project Delivery Team (All Disciplines).

Each Task team shall allow adequate time to prepare information in advance of the delivery milestone date as per the dates set out in the BEP.

1. Each discipline to submit all expected information with code S6 – Suitable for PIM Authorization..

2. Lead Appointed party BIM Manager to authorize or reject part or all information submitted by each task team.

3. Task Teams to update authorized information for the Appointing Party (Zigurat) to review and accept using code S4 – Suitable for Stage Approval.

4. Appointing Party's (Zigurat) Representative Mentor to review and accept or reject all information.

5. Task teams to republish all accepted information with a status code of A*n* (where '*n*' relates to the work stage) e.g. A3 for milestone 3, Block 3. The revision must also be changed to C01,2,3 to identify it is now 'Contractual' not 'Preliminary. Information to be uploaded to the 'Published' area of the CDE.

6. At the final milestone completion, progress to project close-out activities, and the creation of AIM for Block 4.

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Struct	STR Symbolic/Preliminary 1	STR Generic/Preliminary 39	STR Detailed Elements/Proposed 77	STR Fabrication Components/ Coordinated 115	STR Detailed Elements/As-Built < 100mm / 5" 153
Steel Beams	STR Symbolic/Preliminary 2	STR Generic/Preliminary 40	STR Detailed Elements/Proposed 78	STR Fabrication Components/ Coordinated 116	STR Detailed Elements/As-Built < 100mm / 5" 154
Asset Type			✓	✓	✓
BarCode			✓	✓	✓
Warranty Period					✓
Installation Date					✓
Category			✓	✓	✓
Description			✓	✓	✓
Manufacturer			✓	✓	✓
Model Number			✓	✓	✓
Reference			✓	✓	✓
Risk Rating			✓	✓	✓
Specification Clause			✓	✓	✓
Steel Columns	STR Symbolic/Preliminary 3	STR Generic/Preliminary 41	STR Detailed Elements/Proposed 79	STR Fabrication Components/ Coordinated 117	STR Detailed Elements/As-Built < 100mm / 5" 155
Asset Type			✓	✓	✓
BarCode			✓	✓	✓
Warranty Period					✓
Installation Date					✓
Category			✓	✓	✓
Description			✓	✓	✓
Manufacturer			✓	✓	✓
Model Number			✓	✓	✓
Reference			✓	✓	✓
Risk Rating			✓	✓	✓
Specification Clause			✓	✓	✓
M&E	MEP Symbolic/Preliminary 4	MEP Generic/Preliminary 42	MEP Detailed Elements/Proposed 80	ABC Fabrication Components/ Coordinated 118	ABC Detailed Elements/As-Built < 100mm / 5" 156

SCOPE

	Group 1 Phase Planning Dec-19-2022 - Dec-31-2022	Group 1 Schematic Design Jan-14-2023 - Jan-31-2023	Group 1 Coordination Mar-04-2023 - Mar-25-2023	Group 1 Construction Documentation Apr-01-2023 - Apr-29-2023	Group 1 Asset Handover Jun-03-2023 - Jun-24-2023
HVAC Equipment	MEP Symbolic/Preliminary 5	MEP Generic/Preliminary 43	MEP Detailed Elements/Proposed 81	ABC Fabrication Components/ Coordinated 119	ABC Detailed Elements/As-Built < 100mm / 5" 157
Asset Type			✓	✓	✓
BarCode			✓	✓	✓
Category			✓	✓	✓
Warranty Period					✓
Installation Date					✓
Description			✓	✓	✓
Manufacturer			✓	✓	✓
Model Number			✓	✓	✓
Reference			✓	✓	✓
Risk Rating			✓	✓	✓
Specification Clause			✓	✓	✓
Bathroom Toilets / Water Closets	MEP Symbolic/Preliminary 6	MEP Generic/Preliminary 44	MEP Detailed Elements/Proposed 82	ABC Fabrication Components/ Coordinated 120	ABC Detailed Elements/As-Built < 100mm / 5" 158
Asset Type			✓	✓	✓
BarCode			✓	✓	✓
Installation Date					✓
Category			✓	✓	✓
Warranty Period					✓
Description			✓	✓	✓
Manufacturer			✓	✓	✓
Model Number			✓	✓	✓
Reference			✓	✓	✓
Risk Rating			✓	✓	✓
Specification Clause			✓	✓	✓
Lighting	Symbolic/Preliminary 7	Generic/Preliminary 45	Detailed Elements/Proposed 83	Fabrication Components/ Coordinated 121	
Lighting Control Zones	Symbolic/Preliminary 8	Generic/Preliminary 46	Detailed Elements/Proposed 84	Fabrication Components/ Coordinated 122	

SCOPE

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	Group 1 Phase Planning Dec-19-2022 - Dec-31-2022	**Group 1** Schematic Design Jan-14-2023 - Jan-31-2023	**Group 1** Coordination Mar-04-2023 - Mar-25-2023	**Group 1** Construction Documentation Apr-01-2023 - Apr-29-2023	**Group 1** Asset Handover Jun-03-2023 - Jun-24-2023
Lighting Controls	Symbolic/Preliminary 9	Generic/Preliminary 47	Detailed Elements/Proposed 85	Fabrication Components/ Coordinated 123	
Branch Wiring for Lighting Zones	Symbolic/Preliminary 10	Generic/Preliminary 48	Detailed Elements/Proposed 86	Fabrication Components/ Coordinated 124	
Branch Wiring for Lighting	Symbolic/Preliminary 11	Generic/Preliminary 49	Detailed Elements/Proposed 87	Fabrication Components/ Coordinated 125	
Lighting Fixture Zones	Symbolic/Preliminary 12	Generic/Preliminary 50	Detailed Elements/Proposed 88	Fabrication Components/ Coordinated 126	
Lighting Fixtures	Symbolic/Preliminary 13	Generic/Preliminary 51	Detailed Elements/Proposed 89	Fabrication Components/ Coordinated 127	
Emergency / Exit Signs	Symbolic/Preliminary 14	Generic/Preliminary 52	Detailed Elements/Proposed 90	Fabrication Components/ Coordinated 128	
Emergency Lighting Fixtures	Symbolic/Preliminary 15	Generic/Preliminary 53	Detailed Elements/Proposed 91	Fabrication Components/ Coordinated 129	
Lighting Sensors Supplementary Components	Symbolic/Preliminary 16	Generic/Preliminary 54	Detailed Elements/Proposed 92	Fabrication Components/ Coordinated 130	
Sanitary Drainage	Symbolic/Preliminary 17	Generic/Preliminary 55	Detailed Elements/Proposed 93	Fabrication Components/ Coordinated 131	Detailed Elements/As-Built < 100mm / 5" 159
Sanitary Sewerage Equipment	Symbolic/Preliminary 18	Generic/Preliminary 56	Detailed Elements/Proposed 94	Fabrication Components/ Coordinated 132	Detailed Elements/As-Built < 100mm / 5" 160
Sanitary Sewerage Piping Risers	Symbolic/Preliminary 19	Generic/Preliminary 57	Detailed Elements/Proposed 95	Fabrication Components/ Coordinated 133	
Sanitary Sewerage Piping Mains	Symbolic/Preliminary 20	Generic/Preliminary 58	Detailed Elements/Proposed 96	Fabrication Components/ Coordinated 134	Detailed Elements/As-Built < 100mm / 5" 161
Sanitary Sewerage Piping Branches	Symbolic/Preliminary 21	Generic/Preliminary 59	Detailed Elements/Proposed 97	Fabrication Components/ Coordinated 135	Detailed Elements/As-Built < 100mm / 5" 162
Sanitary Sewerage Piping Vents	Symbolic/Preliminary 22	Generic/Preliminary 60	Detailed Elements/Proposed 98	Fabrication Components/ Coordinated 136	Detailed Elements/As-Built < 100mm / 5" 163
Sanitary Drainage Supplementary Components	Symbolic/Preliminary 23	Generic/Preliminary 61	Detailed Elements/Proposed 99	Fabrication Components/ Coordinated 137	Detailed Elements/As-Built < 100mm / 5" 164
Architecture					
Spaces	Symbolic/Preliminary 24	Generic/Preliminary 62	Detailed Elements/Proposed 100	Fabrication Components/ Coordinated 138	Detailed Elements/As-Built < 100mm / 5" 165
Areas	Symbolic/Preliminary 25	Generic/Preliminary 63	Detailed Elements/Proposed 101	Fabrication Components/ Coordinated 139	Detailed Elements/As-Built < 100mm / 5" 166
Description			✓		
BarCode				✓	

SCOPE

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	Group 1 Phase Planning Dec-19-2022 - Dec-31-2022	Group 1 Schematic Design Jan-14-2023 - Jan-31-2023	Group 1 Coordination Mar-04-2023 - Mar-25-2023	Group 1 Construction Documentation Apr-01-2023 - Apr-29-2023	Group 1 Asset Handover Jun-03-2023 - Jun-24-2023
Massing	Symbolic/Preliminary 26	Generic/Preliminary 64	Detailed Elements/Proposed 102	Fabrication Components/ Coordinated 140	Detailed Elements/As-Built < 100mm / 5" 167
Description			✓		
BarCode				✓	
Rooms	Symbolic/Preliminary 27	Generic/Preliminary 65	Detailed Elements/Proposed 103	Fabrication Components/ Coordinated 141	Detailed Elements/As-Built < 100mm / 5" 168
Description			✓		
BarCode				✓	
Zones	Symbolic/Preliminary 28	Generic/Preliminary 66	Detailed Elements/Proposed 104	Fabrication Components/ Coordinated 142	Detailed Elements/As-Built < 100mm / 5" 169
Description			✓		
BarCode				✓	
Interior Swinging Doors IfcDoor	AT Symbolic/Preliminary 29	AT Generic/Preliminary 67	AT Detailed Elements/Proposed 105	AT Fabrication Components/ Coordinated 143	AT Detailed Elements/As-Built < 100mm / 5" 170
Interior Swinging Doors IfcDoor	AT Symbolic/Preliminary 30	AT Generic/Preliminary 68	AT Detailed Elements/Proposed 106	AT Fabrication Components/ Coordinated 144	AT Detailed Elements/As-Built < 100mm / 5" 171
Asset Type			✓	✓	✓
BarCode			✓	✓	✓
Category			✓	✓	✓
Warranty Period					✓
Description			✓	✓	✓
Installation Date					✓
Manufacturer			✓	✓	✓
Model Number			✓	✓	✓
Reference			✓	✓	✓
Risk Rating			✓	✓	✓
Specification Clause			✓	✓	✓
Interior Swinging Door Frames	AT Symbolic/Preliminary 31	AT Generic/Preliminary 69	AT Detailed Elements/Proposed 107	AT Fabrication Components/ Coordinated 145	AT Detailed Elements/As-Built < 100mm / 5" 172
Asset Type			✓	✓	✓
BarCode			✓	✓	✓
Category			✓	✓	✓

SCOPE

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	Group 1 Phase Planning Dec-19-2022 - Dec-31-2022	**Group 1** Schematic Design Jan-14-2023 - Jan-31-2023	**Group 1** Coordination Mar-04-2023 - Mar-25-2023	**Group 1** Construction Documentation Apr-01-2023 - Apr-29-2023	**Group 1** Asset Handover Jun-03-2023 - Jun-24-2023
Installation Date					✓
Warranty Period					✓
Description			✓	✓	✓
Manufacturer			✓	✓	✓
Model Number			✓	✓	✓
Reference			✓	✓	✓
Risk Rating			✓	✓	✓
Specification Clause			✓	✓	✓
Interior Swinging Door Hardware	Symbolic/Preliminary AT 32	Generic/Preliminary AT 70	Detailed Elements/Proposed AT 108	Fabrication Components/ Coordinated AT 146	Detailed Elements/As-Built AT 173 < 100mm / 5"
Asset Type			✓	✓	✓
BarCode			✓	✓	✓
Category			✓	✓	✓
Installation Date					✓
Warranty Period					✓
Description			✓	✓	✓
Manufacturer			✓	✓	✓
Model Number			✓	✓	✓
Reference			✓	✓	✓
Risk Rating			✓	✓	✓
Specification Clause			✓	✓	✓
Interior Wood Walls	Symbolic/Preliminary ARC 33	Generic/Preliminary ARC 71	Detailed Elements/Proposed ARC 109	Fabrication Components/ Coordinated ARC 147	Detailed Elements/As-Built ARC 174 < 100mm / 5"
Interior Wall Framing	Symbolic/Preliminary ARC 34	Generic/Preliminary ARC 72	Detailed Elements/Proposed ARC 110	Fabrication Components/ Coordinated ARC 148	Detailed Elements/As-Built ARC 175 < 100mm / 5"
Asset Type			✓	✓	✓
BarCode			✓	✓	✓
Category			✓	✓	✓
Description			✓	✓	✓
Manufacturer			✓	✓	✓

SCOPE

	Group 1 Phase Planning Dec-19-2022 - Dec-31-2022	**Group 1** Schematic Design Jan-14-2023 - Jan-31-2023	**Group 1** Coordination Mar-04-2023 - Mar-25-2023	**Group 1** Construction Documentation Apr-01-2023 - Apr-29-2023	**Group 1** Asset Handover Jun-03-2023 - Jun-24-2023
Model Number			✓	✓	✓
Warranty Period					✓
Installation Date					✓
Reference			✓	✓	✓
Risk Rating			✓	✓	✓
Specification Clause			✓	✓	✓
Colour					✓
Interior Wall Gypboard	ARC Symbolic/Preliminary 35	ARC Generic/Preliminary 73	ARC Detailed Elements/Proposed 111	ARC Fabrication Components Coordinated 149	ARC Detailed Elements/As-Built < 100mm / 5" 176
Asset Type			✓	✓	✓
BarCode			✓	✓	✓
Category			✓	✓	✓
Description			✓	✓	✓
Manufacturer			✓	✓	✓
Model Number			✓	✓	✓
Installation Date					✓
Warranty Period					✓
Reference			✓	✓	✓
Risk Rating			✓	✓	✓
Specification Clause			✓	✓	✓
Colour					✓
Interior Wall Sound Barriers / Insulation	ARC Symbolic/Preliminary 36	ARC Generic/Preliminary 74	ARC Detailed Elements/Proposed 112	ARC Fabrication Components Coordinated 150	ARC Detailed Elements/As-Built < 100mm / 5" 177
Asset Type			✓	✓	✓
BarCode			✓	✓	✓
Category			✓	✓	✓
Description			✓	✓	✓
Manufacturer			✓	✓	✓
Model Number			✓	✓	✓
Installation Date					✓

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	Group 1 Phase Planning Dec-19-2022 - Dec-31-2022	**Group 1** Schematic Design Jan-14-2023 - Jan-31-2023	**Group 1** Coordination Mar-04-2023 - Mar-25-2023	**Group 1** Construction Documentation Apr-01-2023 - Apr-29-2023	**Group 1** Asset Handover Jun-03-2023 - Jun-24-2023
Warranty Period					✓
Reference			✓	✓	✓
Risk Rating			✓	✓	✓
Specification Clause			✓	✓	✓
Colour					✓
Interior Wall Penetrations / Voids	Symbolic/Preliminary ARC 37	Generic/Preliminary ARC 75	Detailed Elements/Proposed ARC 113	Fabrication Components/ Coordinated ARC 151	Detailed Elements/As-Built < 100mm / 5" ARC 178
Asset Type			✓	✓	✓
BarCode			✓	✓	✓
Category			✓	✓	✓
Description			✓	✓	✓
Manufacturer			✓	✓	✓
Warranty Period					✓
Model Number			✓	✓	✓
Installation Date					✓
Reference			✓	✓	✓
Risk Rating			✓	✓	✓
Specification Clause			✓	✓	✓
Colour					✓
Interior Wall Firestopping	Symbolic/Preliminary ARC 38	Generic/Preliminary ARC 76	Detailed Elements/Proposed ARC 114	Fabrication Components/ Coordinated ARC 152	Detailed Elements/As-Built < 100mm / 5" ARC 179
Asset Type			✓	✓	✓
BarCode			✓	✓	✓
Category			✓	✓	✓
Description			✓	✓	✓
Manufacturer			✓	✓	✓
Warranty Period					✓
Model Number			✓	✓	✓
Installation Date					✓
Reference			✓	✓	✓

SCOPE

	Group 1 Phase Planning Dec-19-2022 - Dec-31-2022	**Group 1** Schematic Design Jan-14-2023 - Jan-31-2023	**Group 1** Coordination Mar-04-2023 - Mar-25-2023	**Group 1** Construction Documentation Apr-01-2023 - Apr-29-2023	**Group 1** Asset Handover Jun-03-2023 - Jun-24-2023
Risk Rating			✓	✓	✓
Specification Clause			✓	✓	✓
Colour					✓

	Oct 23						Nov 23			Dec 23
	01	08	15	22	29	05	12	19	26	03
Struct										
M&E										
Lighting										
Sanitary Drainage										
Architecture										
Spaces										
Interior Swinging Doors										
Interior Wood Walls										

TIMELINE

Milestone: Group 1 - Phase Planning

1 Struct

Victor Galupa  STR

Symbolic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

2 Steel Beams

Victor Galupa  STR

Symbolic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

3 Steel Columns

Victor Galupa  STR

Symbolic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

4 M&E

Thanasis Soulos MEP

DESCRIPTION:
None

CHECKLIST :
None

Symbolic/Preliminary

DATES: None
STATUS: PENDING
ATTACHMENTS: None

5 HVAC Equipment

Thanasis Soulos MEP

DESCRIPTION:
None

CHECKLIST :
None

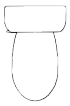
INFORMATION REQUIREMENTS :
None

Symbolic/Preliminary

DATES: None
STATUS: PENDING
ATTACHMENTS: None

6 Bathroom Toilets / Water Closets

Thanasis Soulos MEP



DESCRIPTION:
None

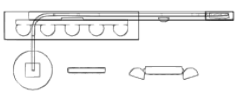
CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Symbolic/Preliminary

DATES: None
STATUS: PENDING
ATTACHMENTS: None

7 Lighting



DESCRIPTION:
None

CHECKLIST :
None

Symbolic/Preliminary

DATES: None

STATUS: PENDING

ATTACHMENTS: None

---

8 Lighting Control Zones

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Symbolic/Preliminary

DATES: None

STATUS: PENDING

ATTACHMENTS: None

---

9 Lighting Controls

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Symbolic/Preliminary

DATES: None

STATUS: PENDING

ATTACHMENTS: None

---

10 Branch Wiring for Lighting Zones

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Symbolic/Preliminary

DATES: None
STATUS: PENDING
ATTACHMENTS: None

11 Branch Wiring for Lighting

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Symbolic/Preliminary

DATES: None
STATUS: PENDING
ATTACHMENTS: None

12 Lighting Fixture Zones

DESCRIPTION:
None

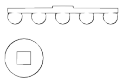
CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Symbolic/Preliminary

DATES: None
STATUS: PENDING
ATTACHMENTS: None

13 Lighting Fixtures



DESCRIPTION:
None

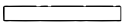
CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Symbolic/Preliminary

DATES: None
STATUS: PENDING
ATTACHMENTS: None

14 Emergency / Exit Signs



DESCRIPTION:
None

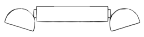
CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Symbolic/Preliminary

DATES: None
STATUS: PENDING
ATTACHMENTS: None

15 Emergency Lighting Fixtures



DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Symbolic/Preliminary

DATES: None
STATUS: PENDING
ATTACHMENTS: None

16 Lighting Sensors Supplementary Components

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Symbolic/Preliminary

DATES: None

STATUS: PENDING

ATTACHMENTS: None

17 Sanitary Drainage

DESCRIPTION:
None

CHECKLIST :
None

Symbolic/Preliminary

DATES: None

STATUS: PENDING

ATTACHMENTS: None

18 Sanitary Sewerage Equipment

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Symbolic/Preliminary

DATES: None

STATUS: PENDING

ATTACHMENTS: None

19 Sanitary Sewerage Piping Risers

Symbolic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

20 Sanitary Sewerage Piping Mains

Symbolic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

21 Sanitary Sewerage Piping Branches

Symbolic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

22 Sanitary Sewerage Piping Vents

Symbolic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

23 Sanitary Drainage Supplementary Components

Symbolic/Preliminary

DESCRIPTION:
None

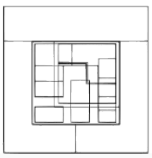
CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

Architecture

24 Spaces



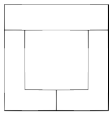
Symbolic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

25 Areas



Symbolic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None

STATUS: PENDING

ATTACHMENTS: None

26 Massing

Symbolic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

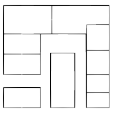
INFORMATION REQUIREMENTS :
None

DATES: None

STATUS: PENDING

ATTACHMENTS: None

27 Rooms



Symbolic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None

STATUS: PENDING

ATTACHMENTS: None

28 Zones

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Symbolic/Preliminary

DATES: None
STATUS: PENDING
ATTACHMENTS: None

---

29 Interior Swinging Doors

IfcDoor

Ainoa Gomez Matisova  AT

DESCRIPTION:
None

CHECKLIST :
None

Symbolic/Preliminary

DATES: None
STATUS: PENDING
ATTACHMENTS: None

---

30 Interior Swinging Doors

IfcDoor

Ainoa Gomez Matisova  AT

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Symbolic/Preliminary

DATES: None
STATUS: PENDING
ATTACHMENTS: None

---

31 Interior Swinging Door Frames

Ainoa Gomez Matisova  AT

Symbolic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

32 Interior Swinging Door Hardware

Ainoa Gomez Matisova  AT

Symbolic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

33 Interior Wood Walls

Eleni Markopoulou  ARC

Symbolic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

34 Interior Wall Framing

Eleni Markopoulou  ARC

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Symbolic/Preliminary

DATES: None

STATUS: PENDING

ATTACHMENTS: None

---

35 Interior Wall Gypboard

Eleni Markopoulou  ARC

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Symbolic/Preliminary

DATES: None

STATUS: PENDING

ATTACHMENTS: None

---

36 Interior Wall Sound Barriers / Insulation

Eleni Markopoulou  ARC

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Symbolic/Preliminary

DATES: None

STATUS: PENDING

ATTACHMENTS: None

---

37 Interior Wall Penetrations / Voids

Eleni Markopoulou ARC

Symbolic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

38 Interior Wall Firestopping

Eleni Markopoulou ARC

Symbolic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

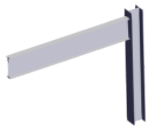
INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

Milestone: Group 1 - Schematic Design

39 Struct

Victor Galupa  STR



Generic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

40 Steel Beams

Victor Galupa  STR

Generic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

41 Steel Columns

Victor Galupa  STR

Generic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

42 M&E

Thanasis Soulos MEP

DESCRIPTION:
None

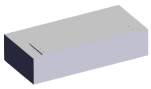
CHECKLIST :
None

Generic/Preliminary

DATES: None
STATUS: PENDING
ATTACHMENTS: None

43 HVAC Equipment

Thanasis Soulos MEP



DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Generic/Preliminary

DATES: None
STATUS: PENDING
ATTACHMENTS: None

44 Bathroom Toilets / Water Closets

Thanasis Soulos MEP

DESCRIPTION:
None

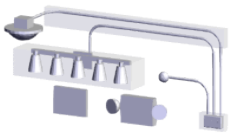
CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Generic/Preliminary

DATES: None
STATUS: PENDING
ATTACHMENTS: None

45 Lighting



DESCRIPTION:
None

CHECKLIST :
None

Generic/Preliminary

DATES: None

STATUS: PENDING

ATTACHMENTS: None

---

46 Lighting Control Zones

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Generic/Preliminary

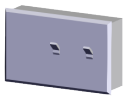
DATES: None

STATUS: PENDING

ATTACHMENTS: None

---

47 Lighting Controls



DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Generic/Preliminary

DATES: None

STATUS: PENDING

ATTACHMENTS: None

---

48 Branch Wiring for Lighting Zones

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Generic/Preliminary

DATES: None
STATUS: PENDING
ATTACHMENTS: None

49 Branch Wiring for Lighting

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Generic/Preliminary

DATES: None
STATUS: PENDING
ATTACHMENTS: None

50 Lighting Fixture Zones

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Generic/Preliminary

DATES: None
STATUS: PENDING
ATTACHMENTS: None

51 Lighting Fixtures

DESCRIPTION:
None

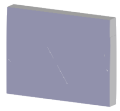
CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Generic/Preliminary

DATES: None
STATUS: PENDING
ATTACHMENTS: None

52 Emergency / Exit Signs



DESCRIPTION:
None

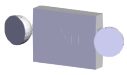
CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Generic/Preliminary

DATES: None
STATUS: PENDING
ATTACHMENTS: None

53 Emergency Lighting Fixtures



DESCRIPTION:
None

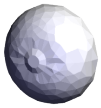
CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Generic/Preliminary

DATES: None
STATUS: PENDING
ATTACHMENTS: None

54 Lighting Sensors Supplementary Components



Generic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

55 Sanitary Drainage

Generic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

56 Sanitary Sewerage Equipment

Generic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

57 Sanitary Sewerage Piping Risers

Generic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

58 Sanitary Sewerage Piping Mains

Generic/Preliminary

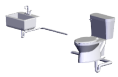
DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

59 Sanitary Sewerage Piping Branches



Generic/Preliminary

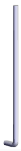
DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

60 Sanitary Sewerage Piping Vents



Generic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

61 Sanitary Drainage Supplementary Components

Generic/Preliminary

DESCRIPTION:
None

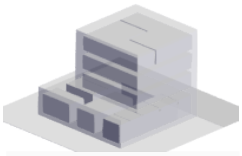
CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

Architecture

62 Spaces



Generic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

63 Areas

Generic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

64 Massing

Generic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

65 Rooms

Generic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

66 Zones

Generic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

---

67 Interior Swinging Doors

IfcDoor

Ainoa Gomez Matisova  AT

Generic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

---

68 Interior Swinging Doors

IfcDoor

Ainoa Gomez Matisova  AT

Generic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

---

69 Interior Swinging Door Frames

Ainoa Gomez Matisova  AT

Generic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

70 Interior Swinging Door Hardware

Ainoa Gomez Matisova  AT

Generic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

71 Interior Wood Walls

Eleni Markopoulou  ARC

Generic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

72 Interior Wall Framing

Eleni Markopoulou ARC

Generic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

73 Interior Wall Gypboard

Eleni Markopoulou ARC

Generic/Preliminary

DESCRIPTION:
None

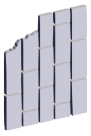
CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

74 Interior Wall Sound Barriers / Insulation

Eleni Markopoulou ARC



Generic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

75 Interior Wall Penetrations / Voids

Eleni Markopoulou  ARC

Generic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None

STATUS: PENDING

ATTACHMENTS: None

---

76 Interior Wall Firestopping

Eleni Markopoulou  ARC

Generic/Preliminary

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None

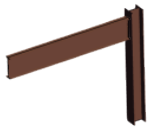
STATUS: PENDING

ATTACHMENTS: None

Milestone: Group 1 - Coordination

77 Struct

Victor Galupa  STR



Detailed Elements/Proposed

DESCRIPTION:
None

CHECKLIST :
None

DATES: None

STATUS: PENDING

ATTACHMENTS: None

78 Steel Beams

Victor Galupa  STR

Detailed Elements/Proposed

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :

- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

DATES: None

STATUS: PENDING

ATTACHMENTS: None

79 Steel Columns

Victor Galupa  STR

Detailed Elements/Proposed

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

DATES: None
STATUS: PENDING
ATTACHMENTS: None

80 M&E

Thanasis Soulos MEP


Detailed Elements/Proposed

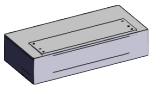
DESCRIPTION:
None

CHECKLIST :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

81 HVAC Equipment

Thanasis Soulos MEP



Detailed Elements/Proposed

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

DATES: None
STATUS: PENDING
ATTACHMENTS: None

82 Bathroom Toilets / Water Closets

Thanasis Soulos MEP

Detailed Elements/Proposed

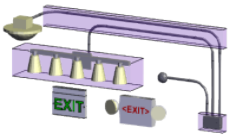
DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

DATES: None
STATUS: PENDING
ATTACHMENTS: None

83 Lighting



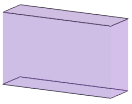
Detailed Elements/Proposed

DESCRIPTION:
None

CHECKLIST :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

84 Lighting Control Zones



Detailed Elements/Proposed

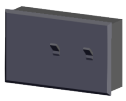
DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

85 Lighting Controls



Detailed Elements/Proposed

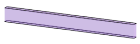
DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

86 Branch Wiring for Lighting Zones



Detailed Elements/Proposed

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

87 Branch Wiring for Lighting

Detailed Elements/Proposed

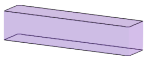
DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

88 Lighting Fixture Zones



DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Detailed Elements/Proposed

DATES: None
STATUS: PENDING
ATTACHMENTS: None

89 Lighting Fixtures

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Detailed Elements/Proposed

DATES: None
STATUS: PENDING
ATTACHMENTS: None

90 Emergency / Exit Signs

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

Detailed Elements/Proposed

DATES: None
STATUS: PENDING
ATTACHMENTS: None

91 Emergency Lighting Fixtures

Detailed Elements/Proposed

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

92 Lighting Sensors Supplementary Components

Detailed Elements/Proposed

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

93 Sanitary Drainage

Detailed Elements/Proposed

DESCRIPTION:
None

CHECKLIST :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

94 Sanitary Sewerage Equipment

Detailed Elements/Proposed

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

95 Sanitary Sewerage Piping Risers

Detailed Elements/Proposed

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

96 Sanitary Sewerage Piping Mains

Detailed Elements/Proposed

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

97 Sanitary Sewerage Piping Branches

Detailed Elements/Proposed

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

98 Sanitary Sewerage Piping Vents

Detailed Elements/Proposed

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

99 Sanitary Drainage Supplementary Components

Detailed Elements/Proposed

DESCRIPTION:
None

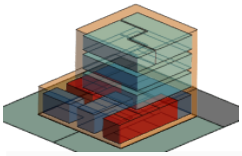
CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

Architecture

100 Spaces



Detailed Elements/Proposed

DESCRIPTION:
None

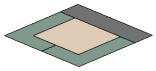
CHECKLIST :
None

DATES: None

STATUS: PENDING

ATTACHMENTS: None

101 Areas



Detailed Elements/Proposed

DESCRIPTION:
None

CHECKLIST :
None

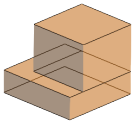
INFORMATION REQUIREMENTS :
☐ Description

DATES: None

STATUS: PENDING

ATTACHMENTS: None

102 Massing



Detailed Elements/Proposed

DESCRIPTION:
None

CHECKLIST :
None

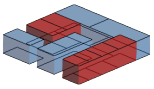
INFORMATION REQUIREMENTS :
☐ Description

DATES: None

STATUS: PENDING

ATTACHMENTS: None

103 Rooms



Detailed Elements/Proposed

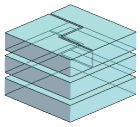
DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
☐ Description

DATES: None
STATUS: PENDING
ATTACHMENTS: None

104 Zones



Detailed Elements/Proposed

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
☐ Description

DATES: None
STATUS: PENDING
ATTACHMENTS: None

105 Interior Swinging Doors

IfcDoor

Ainoa Gomez Matisova  AT

Detailed Elements/Proposed

DESCRIPTION:
None

CHECKLIST :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

106 Interior Swinging Doors

IfcDoor

Ainoa Gomez Matisova  AT

Detailed Elements/Proposed

DESCRIPTION:
None

CHECKLIST :
None

DATES: None

STATUS: PENDING

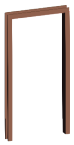
ATTACHMENTS: None

INFORMATION REQUIREMENTS :

- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

107 Interior Swinging Door Frames

Ainoa Gomez Matisova  AT



Detailed Elements/Proposed

DESCRIPTION:
None

CHECKLIST :
None

DATES: None

STATUS: PENDING

ATTACHMENTS: None

INFORMATION REQUIREMENTS :

- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

108 Interior Swinging Door Hardware

Ainoa Gomez Matisova  AT

Detailed Elements/Proposed

DESCRIPTION:
None

CHECKLIST :
None

DATES: None

STATUS: PENDING

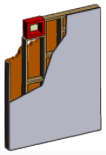
ATTACHMENTS: None

INFORMATION REQUIREMENTS :

- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

109 Interior Wood Walls

Eleni Markopoulou  ARC



Detailed Elements/Proposed

DESCRIPTION:
None

CHECKLIST :
None

DATES: None

STATUS: PENDING

ATTACHMENTS: None

110 Interior Wall Framing

Eleni Markopoulou  ARC

Detailed Elements/Proposed

DESCRIPTION:
None

CHECKLIST :
None

DATES: None

STATUS: PENDING

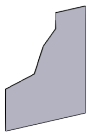
ATTACHMENTS: None

INFORMATION REQUIREMENTS :

- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

111 Interior Wall Gypboard

Eleni Markopoulou ARC



Detailed Elements/Proposed

DESCRIPTION:
None

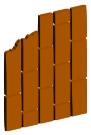
CHECKLIST :
None

INFORMATION REQUIREMENTS :
- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

DATES: None
STATUS: PENDING
ATTACHMENTS: None

112 Interior Wall Sound Barriers / Insulation

Eleni Markopoulou ARC



Detailed Elements/Proposed

DESCRIPTION:
None

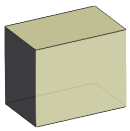
CHECKLIST :
- [ ] safety

INFORMATION REQUIREMENTS :
- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

DATES: None
STATUS: PENDING
ATTACHMENTS: None

113 Interior Wall Penetrations / Voids

Eleni Markopoulou  ARC



Detailed Elements/Proposed

DESCRIPTION:
None

DATES: None

STATUS: PENDING

ATTACHMENTS: None

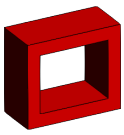
CHECKLIST :
None

INFORMATION REQUIREMENTS :

- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

114 Interior Wall Firestopping

Eleni Markopoulou  ARC



Detailed Elements/Proposed

DESCRIPTION:
None

DATES: None

STATUS: PENDING

ATTACHMENTS: None

CHECKLIST :
None

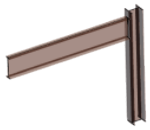
INFORMATION REQUIREMENTS :

- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

Milestone: Group 1 - Construction Documentation

115 Struct

Victor Galupa  STR



Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

DATES: None

STATUS: PENDING

ATTACHMENTS: None

116 Steel Beams

Victor Galupa  STR

Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :

- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

DATES: None

STATUS: PENDING

ATTACHMENTS: None

117 Steel Columns

Victor Galupa  STR

Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

DATES: None
STATUS: PENDING
ATTACHMENTS: None

118 M&E

Ioannis Kalfagiannis ABC


Fabrication Components/Coordinated

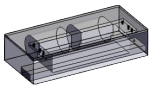
DESCRIPTION:
None

CHECKLIST :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

119 HVAC Equipment

Ioannis Kalfagiannis ABC



Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

DATES: None
STATUS: PENDING
ATTACHMENTS: None

120 Bathroom Toilets / Water Closets

Ioannis Kalfagiannis ABC

Fabrication Components/Coordinated

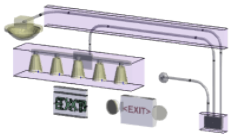
DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

DATES: None
STATUS: PENDING
ATTACHMENTS: None

121 Lighting



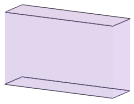
Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

122 Lighting Control Zones



Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

123 Lighting Controls

Fabrication Components/Coordinated

DESCRIPTION:
None

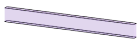
CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

---

124 Branch Wiring for Lighting Zones



Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

---

125 Branch Wiring for Lighting

Fabrication Components/Coordinated

DESCRIPTION:
None

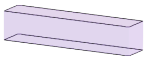
CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

---

126 Lighting Fixture Zones



Fabrication Components/Coordinated

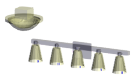
DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

127 Lighting Fixtures



Fabrication Components/Coordinated

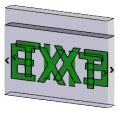
DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

128 Emergency / Exit Signs



Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

129 Emergency Lighting Fixtures

Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

130 Lighting Sensors Supplementary Components

Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

131 Sanitary Drainage

Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

132 Sanitary Sewerage Equipment

Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

133 Sanitary Sewerage Piping Risers

Fabrication Components/Coordinated

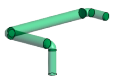
DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

134 Sanitary Sewerage Piping Mains



Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

135 Sanitary Sewerage Piping Branches

Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

136 Sanitary Sewerage Piping Vents

Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

137 Sanitary Drainage Supplementary Components

Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

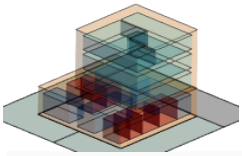
INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

Architecture

SCOPE DETAILS

138 Spaces



Fabrication Components/Coordinated

DESCRIPTION:
None

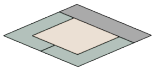
CHECKLIST :
None

DATES: None

STATUS: PENDING

ATTACHMENTS: None

139 Areas



Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

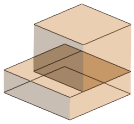
INFORMATION REQUIREMENTS :
☐ BarCode

DATES: None

STATUS: PENDING

ATTACHMENTS: None

140 Massing



Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

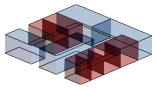
INFORMATION REQUIREMENTS :
☐ BarCode

DATES: None

STATUS: PENDING

ATTACHMENTS: None

141 Rooms



Fabrication Components/Coordinated

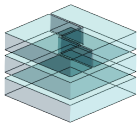
DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
☐ BarCode

DATES: None
STATUS: PENDING
ATTACHMENTS: None

142 Zones



Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
☐ BarCode

DATES: None
STATUS: PENDING
ATTACHMENTS: None

143 Interior Swinging Doors

IfcDoor

Ainoa Gomez Matisova  AT

Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

144 Interior Swinging Doors

IfcDoor

Ainoa Gomez Matisova  AT

Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

DATES: None

STATUS: PENDING

ATTACHMENTS: None

INFORMATION REQUIREMENTS :

- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

145 Interior Swinging Door Frames

Ainoa Gomez Matisova  AT

Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

DATES: None

STATUS: PENDING

ATTACHMENTS: None

INFORMATION REQUIREMENTS :

- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

146 Interior Swinging Door Hardware

Ainoa Gomez Matisova  AT

Fabrication Components/Coordinated

DESCRIPTION:
None

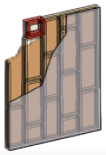
CHECKLIST :
None

INFORMATION REQUIREMENTS :
- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

DATES: None
STATUS: PENDING
ATTACHMENTS: None

147 Interior Wood Walls

Eleni Markopoulou  ARC



Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

148 Interior Wall Framing

Eleni Markopoulou  ARC

Fabrication Components/Coordinated

DESCRIPTION:
None

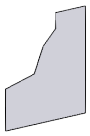
CHECKLIST :
None

INFORMATION REQUIREMENTS :
- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

DATES: None
STATUS: PENDING
ATTACHMENTS: None

149 Interior Wall Gypboard

Eleni Markopoulou ARC



Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

DATES: None

STATUS: PENDING

ATTACHMENTS: None

INFORMATION REQUIREMENTS :

- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

150 Interior Wall Sound Barriers / Insulation

Eleni Markopoulou ARC

Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

DATES: None

STATUS: PENDING

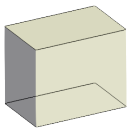
ATTACHMENTS: None

INFORMATION REQUIREMENTS :

- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

151 Interior Wall Penetrations / Voids

Eleni Markopoulou  ARC



Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

DATES: None

STATUS: PENDING

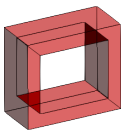
ATTACHMENTS: None

INFORMATION REQUIREMENTS :

- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

152 Interior Wall Firestopping

Eleni Markopoulou  ARC



Fabrication Components/Coordinated

DESCRIPTION:
None

CHECKLIST :
None

DATES: None

STATUS: PENDING

ATTACHMENTS: None

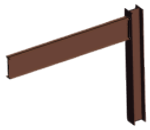
INFORMATION REQUIREMENTS :

- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

Milestone: Group 1 - Asset Handover

153 Struct

Victor Galupa  STR



Detailed Elements/As-Built

DESCRIPTION:
None

CHECKLIST :
None

DATES: None

STATUS: VERIFIED

ATTACHMENTS: None

154 Steel Beams

Victor Galupa  STR

Detailed Elements/As-Built

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :

- [ ] Asset Type
- [ ] BarCode
- [ ] Warranty Period
- [ ] Installation Date
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

DATES: None

STATUS: VERIFIED

ATTACHMENTS: None

155 Steel Columns

Victor Galupa  STR

Detailed Elements/As-Built

DESCRIPTION:
None

CHECKLIST :
None

DATES: None

STATUS: VERIFIED

ATTACHMENTS: None

INFORMATION REQUIREMENTS :

- [ ] Asset Type
- [ ] BarCode
- [ ] Warranty Period
- [ ] Installation Date
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

156 M&E

Ioannis Kalfagiannis ABC


Detailed Elements/As-Built

DESCRIPTION:
None

CHECKLIST :
None

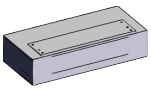
DATES: None

STATUS: VERIFIED

ATTACHMENTS: None

157 HVAC Equipment

Ioannis Kalfagiannis ABC



Detailed Elements/As-Built

DESCRIPTION:
None

DATES: None

STATUS: VERIFIED

ATTACHMENTS: None

CHECKLIST :
None

INFORMATION REQUIREMENTS :

- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Warranty Period
- [ ] Installation Date
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

158 Bathroom Toilets / Water Closets

Ioannis Kalfagiannis ABC

Detailed Elements/As-Built

DESCRIPTION:
None

DATES: None

STATUS: VERIFIED

ATTACHMENTS: None

CHECKLIST :
None

INFORMATION REQUIREMENTS :

- [ ] Asset Type
- [ ] BarCode
- [ ] Installation Date
- [ ] Category
- [ ] Warranty Period
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

159 Sanitary Drainage

Detailed Elements/As-Built

DESCRIPTION:
None

CHECKLIST :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

160 Sanitary Sewerage Equipment

Detailed Elements/As-Built

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

161 Sanitary Sewerage Piping Mains

Detailed Elements/As-Built

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

162 Sanitary Sewerage Piping Branches

Detailed Elements/As-Built

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

163 Sanitary Sewerage Piping Vents

Detailed Elements/As-Built

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

164 Sanitary Drainage Supplementary Components

Detailed Elements/As-Built

DESCRIPTION:
None

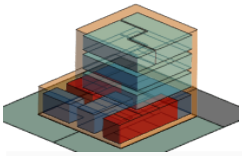
CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

Architecture

165 Spaces



Detailed Elements/As-Built

DESCRIPTION:
None

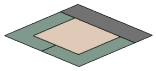
CHECKLIST :
None

DATES: None

STATUS: PENDING

ATTACHMENTS: None

166 Areas



Detailed Elements/As-Built

DESCRIPTION:
None

CHECKLIST :
None

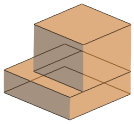
INFORMATION REQUIREMENTS :
None

DATES: None

STATUS: PENDING

ATTACHMENTS: None

167 Massing



Detailed Elements/As-Built

DESCRIPTION:
None

CHECKLIST :
None

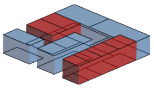
INFORMATION REQUIREMENTS :
None

DATES: None

STATUS: PENDING

ATTACHMENTS: None

168 Rooms



Detailed Elements/As-Built

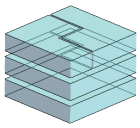
DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

169 Zones



Detailed Elements/As-Built

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
None

DATES: None
STATUS: PENDING
ATTACHMENTS: None

170 Interior Swinging Doors

IfcDoor

Ainoa Gomez Matisova  AT

Detailed Elements/As-Built

DESCRIPTION:
None

CHECKLIST :
None

DATES: None
STATUS: VERIFIED
ATTACHMENTS: None

171 Interior Swinging Doors

IfcDoor

Ainoa Gomez Matisova  AT

Detailed Elements/As-Built

DESCRIPTION:
None

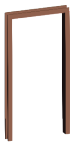
CHECKLIST :
None

INFORMATION REQUIREMENTS :
- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Warranty Period
- [ ] Description
- [ ] Installation Date
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

DATES: None
STATUS: VERIFIED
ATTACHMENTS: None

172 Interior Swinging Door Frames

Ainoa Gomez Matisova  AT



Detailed Elements/As-Built

DESCRIPTION:
None

CHECKLIST :
None

INFORMATION REQUIREMENTS :
- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Installation Date
- [ ] Warranty Period
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

DATES: None
STATUS: VERIFIED
ATTACHMENTS: None

173 Interior Swinging Door Hardware

Ainoa Gomez Matisova  AT

Detailed Elements/As-Built

DESCRIPTION:
None

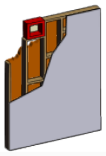
CHECKLIST :
None

INFORMATION REQUIREMENTS :
- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Installation Date
- [ ] Warranty Period
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause

DATES: None
STATUS: VERIFIED
ATTACHMENTS: None

174 Interior Wood Walls

Eleni Markopoulou  ARC



Detailed Elements/As-Built

DESCRIPTION:
None

CHECKLIST :
None

DATES: None
STATUS: VERIFIED
ATTACHMENTS: None

175 Interior Wall Framing

Eleni Markopoulou ARC

Detailed Elements/As-Built

DESCRIPTION:
None

DATES: None

STATUS: VERIFIED

ATTACHMENTS: None

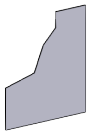
CHECKLIST :
None

INFORMATION REQUIREMENTS :

- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Warranty Period
- [ ] Installation Date
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause
- [ ] Colour

176 Interior Wall Gypboard

Eleni Markopoulou ARC



Detailed Elements/As-Built

DESCRIPTION:
None

DATES: None

STATUS: VERIFIED

ATTACHMENTS: None

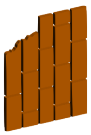
CHECKLIST :
None

INFORMATION REQUIREMENTS :

- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Installation Date
- [ ] Warranty Period
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause
- [ ] Colour

177 Interior Wall Sound Barriers / Insulation

Eleni Markopoulou ARC



Detailed Elements/As-Built

DESCRIPTION:
None

CHECKLIST :
None

DATES: None

STATUS: VERIFIED

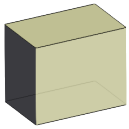
ATTACHMENTS: None

INFORMATION REQUIREMENTS :

- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Model Number
- [ ] Installation Date
- [ ] Warranty Period
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause
- [ ] Colour

178 Interior Wall Penetrations / Voids

Eleni Markopoulou ARC



Detailed Elements/As-Built

DESCRIPTION:
None

CHECKLIST :
None

DATES: None

STATUS: VERIFIED

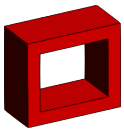
ATTACHMENTS: None

INFORMATION REQUIREMENTS :

- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Warranty Period
- [ ] Model Number
- [ ] Installation Date
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause
- [ ] Colour

179 Interior Wall Firestopping

Eleni Markopoulou  ARC



Detailed Elements/As-Built

DESCRIPTION:
None

CHECKLIST :
None

DATES: None

STATUS: VERIFIED

ATTACHMENTS: None

INFORMATION REQUIREMENTS :

- [ ] Asset Type
- [ ] BarCode
- [ ] Category
- [ ] Description
- [ ] Manufacturer
- [ ] Warranty Period
- [ ] Model Number
- [ ] Installation Date
- [ ] Reference
- [ ] Risk Rating
- [ ] Specification Clause
- [ ] Colour

Group 1 - Phase Planning
Dec-19-2022 - Dec-31-2022

		1. Category	2. Asset Type	3. BarCode	4. Colour	5. Description	6. Manufacturer	7. Model Number	8. Reference	9. Specification Clause	10. Installation Date	11. Warranty Period	12. Risk Rating
Struct	STR												
Steel Beams	STR												
Steel Columns	STR												
M&E	MEP												
HVAC Equipment	MEP												
Bathroom Toilets / Water Closets	MEP												
Lighting													
Lighting Control Zones													
Lighting Controls													
Branch Wiring for Lighting Zones													
Branch Wiring for Lighting													
Lighting Fixture Zones													
Lighting Fixtures													
Emergency / Exit Signs													
Emergency Lighting Fixtures													
Lighting Sensors Supplementary Components													
Sanitary Drainage													
Sanitary Sewerage Equipment													
Sanitary Sewerage Piping Risers													
Sanitary Sewerage Piping Mains													
Sanitary Sewerage Piping Branches													
Sanitary Sewerage Piping Vents													
Sanitary Drainage Supplementary Components													
Architecture													
Spaces													
Areas													
Massing													
Rooms													
Zones													
Interior Swinging Doors	AT												
Interior Swinging Doors	AT												
Interior Swinging Door Frames	AT												
Interior Swinging Door Hardware	AT												
Interior Wood Walls	ARC												
Interior Wall Framing	ARC												
Interior Wall Gypboard	ARC												
Interior Wall Sound Barriers / Insulation	ARC												
Interior Wall Penetrations / Voids	ARC												
Interior Wall Firestopping	ARC												

Group 1 - Schematic Design
Jan-14-2023 - Jan-31-2023

		1. Category	2. Asset Type	3. BarCode	4. Colour	5. Description	6. Manufacturer	7. Model Number	8. Reference	9. Specification Clause	10. Installation Date	11. Warranty Period	12. Risk Rating
Struct	STR												
Steel Beams	STR												
Steel Columns	STR												
M&E	MEP												
HVAC Equipment	MEP												
Bathroom Toilets / Water Closets	MEP												
Lighting													
Lighting Control Zones													
Lighting Controls													
Branch Wiring for Lighting Zones													
Branch Wiring for Lighting													
Lighting Fixture Zones													
Lighting Fixtures													
Emergency / Exit Signs													
Emergency Lighting Fixtures													
Lighting Sensors Supplementary Components													
Sanitary Drainage													
Sanitary Sewerage Equipment													
Sanitary Sewerage Piping Risers													
Sanitary Sewerage Piping Mains													
Sanitary Sewerage Piping Branches													
Sanitary Sewerage Piping Vents													
Sanitary Drainage Supplementary Components													
Architecture													
Spaces													
Areas													
Massing													
Rooms													
Zones													
Interior Swinging Doors	AT												
Interior Swinging Doors	AT												
Interior Swinging Door Frames	AT												
Interior Swinging Door Hardware	AT												
Interior Wood Walls	ARC												
Interior Wall Framing	ARC												
Interior Wall Gypboard	ARC												
Interior Wall Sound Barriers / Insulation	ARC												
Interior Wall Penetrations / Voids	ARC												
Interior Wall Firestopping	ARC												

Group 1 - Coordination
Mar-04-2023 - Mar-25-2023

		1. Category	2. Asset Type	3. BarCode	4. Colour	5. Description	6. Manufacturer	7. Model Number	8. Reference	9. Specification Clause	10. Installation Date	11. Warranty Period	12. Risk Rating
Struct	STR												
Steel Beams	STR	✓	✓	✓		✓	✓	✓	✓	✓			✓
Steel Columns	STR	✓	✓	✓		✓	✓	✓	✓	✓			✓
M&E	MEP												
HVAC Equipment	MEP	✓	✓	✓		✓	✓	✓	✓	✓			✓
Bathroom Toilets / Water Closets	MEP	✓	✓	✓		✓	✓	✓	✓	✓			✓
Lighting													
Lighting Control Zones													
Lighting Controls													
Branch Wiring for Lighting Zones													
Branch Wiring for Lighting													
Lighting Fixture Zones													
Lighting Fixtures													
Emergency / Exit Signs													
Emergency Lighting Fixtures													
Lighting Sensors Supplementary Components													
Sanitary Drainage													
Sanitary Sewerage Equipment													
Sanitary Sewerage Piping Risers													
Sanitary Sewerage Piping Mains													
Sanitary Sewerage Piping Branches													
Sanitary Sewerage Piping Vents													
Sanitary Drainage Supplementary Components													
Architecture													
Spaces													
Areas						✓							
Massing						✓							
Rooms						✓							
Zones						✓							
Interior Swinging Doors	AT												
Interior Swinging Doors	AT	✓	✓	✓		✓	✓	✓	✓	✓			✓
Interior Swinging Door Frames	AT	✓	✓	✓		✓	✓	✓	✓	✓			✓
Interior Swinging Door Hardware	AT	✓	✓	✓		✓	✓	✓	✓	✓			✓
Interior Wood Walls	ARC												
Interior Wall Framing	ARC	✓	✓	✓		✓	✓	✓	✓	✓			✓
Interior Wall Gypboard	ARC	✓	✓	✓		✓	✓	✓	✓	✓			✓
Interior Wall Sound Barriers / Insulation	ARC	✓	✓	✓		✓	✓	✓	✓	✓			✓
Interior Wall Penetrations / Voids	ARC	✓	✓	✓		✓	✓	✓	✓	✓			✓
Interior Wall Firestopping	ARC	✓	✓	✓		✓	✓	✓	✓	✓			✓

Group 1 - Construction Documentation
Apr-01-2023 - Apr-29-2023

		1. Category	2. Asset Type	3. BarCode	4. Colour	5. Description	6. Manufacturer	7. Model Number	8. Reference	9. Specification Clause	10. Installation Date	11. Warranty Period	12. Risk Rating
Struct	STR												
Steel Beams	STR	✓	✓	✓		✓	✓	✓	✓	✓			✓
Steel Columns	STR	✓	✓	✓		✓	✓	✓	✓	✓			✓
M&E	ABC												
HVAC Equipment	ABC	✓	✓	✓		✓	✓	✓	✓	✓			✓
Bathroom Toilets / Water Closets	ABC	✓	✓	✓		✓	✓	✓	✓	✓			✓
Lighting													
Lighting Control Zones													
Lighting Controls													
Branch Wiring for Lighting Zones													
Branch Wiring for Lighting													
Lighting Fixture Zones													
Lighting Fixtures													
Emergency / Exit Signs													
Emergency Lighting Fixtures													
Lighting Sensors Supplementary Components													
Sanitary Drainage													
Sanitary Sewerage Equipment													
Sanitary Sewerage Piping Risers													
Sanitary Sewerage Piping Mains													
Sanitary Sewerage Piping Branches													
Sanitary Sewerage Piping Vents													
Sanitary Drainage Supplementary Components													
Architecture													
Spaces													
Areas				✓									
Massing				✓									
Rooms				✓									
Zones				✓									
Interior Swinging Doors	AT												
Interior Swinging Doors	AT	✓	✓	✓		✓	✓	✓	✓	✓			✓
Interior Swinging Door Frames	AT	✓	✓	✓		✓	✓	✓	✓	✓			✓
Interior Swinging Door Hardware	AT	✓	✓	✓		✓	✓	✓	✓	✓			✓
Interior Wood Walls	ARC												
Interior Wall Framing	ARC	✓	✓	✓		✓	✓	✓	✓	✓			✓
Interior Wall Gypboard	ARC	✓	✓	✓		✓	✓	✓	✓	✓			✓
Interior Wall Sound Barriers / Insulation	ARC	✓	✓	✓		✓	✓	✓	✓	✓			✓
Interior Wall Penetrations / Voids	ARC	✓	✓	✓		✓	✓	✓	✓	✓			✓
Interior Wall Firestopping	ARC	✓	✓	✓		✓	✓	✓	✓	✓			✓

Group 1 - Asset Handover
Jun-03-2023 - Jun-24-2023

		1. Category	2. Asset Type	3. BarCode	4. Colour	5. Description	6. Manufacturer	7. Model Number	8. Reference	9. Specification Clause	10. Installation Date	11. Warranty Period	12. Risk Rating
Struct	STR												
Steel Beams	STR	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
Steel Columns	STR	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
M&E	ABC												
HVAC Equipment	ABC	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
Bathroom Toilets / Water Closets	ABC	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
Lighting													
Lighting Control Zones													
Lighting Controls													
Branch Wiring for Lighting Zones													
Branch Wiring for Lighting													
Lighting Fixture Zones													
Lighting Fixtures													
Emergency / Exit Signs													
Emergency Lighting Fixtures													
Lighting Sensors Supplementary Components													
Sanitary Drainage													
Sanitary Sewerage Equipment													
Sanitary Sewerage Piping Risers													
Sanitary Sewerage Piping Mains													
Sanitary Sewerage Piping Branches													
Sanitary Sewerage Piping Vents													
Sanitary Drainage Supplementary Components													
Architecture													
Spaces													
Areas													
Massing													
Rooms													
Zones													
Interior Swinging Doors	AT												
Interior Swinging Doors	AT	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
Interior Swinging Door Frames	AT	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
Interior Swinging Door Hardware	AT	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
Interior Wood Walls	ARC												
Interior Wall Framing	ARC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Interior Wall Gypboard	ARC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Interior Wall Sound Barriers / Insulation	ARC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Interior Wall Penetrations / Voids	ARC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Interior Wall Firestopping	ARC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Information Requirements Legend

Key	Type	Name	Description	Verification Rule	Value	Units	Tags
1	IFC	Category	Designation of the category into which the actors in the population belong.	Any text			Pset_SignCommon
2	Identification	Asset Type	Fixed or moveable asset	Any value			
3	Identification	BarCode	The identity of the bar code given to an occurrence of the product. Asset tracking	Any text			Pset_ManufacturerOccurrence
4	Identification	Colour	Grey	Any value			
5	Identification	Description	The description of system.	Any text			Pset_Address
6	Identification	Manufacturer	The organization that manufactured and/or assembled the item.	Any text			Pset_ManufacturerTypeInformation
7	Identification	Model Number	Model Reference Number	Any value			
8	Identification	Reference	Reference ID for this specified type in standards - BS 8541	Any text			Pset_ElectricTimeControlTypeCommon
9	Specification	Specification Clause	NBS Spec Reference	Any value			
10	Operation	Installation Date	Date Installed	Any value			
11	Operation	Warranty Period	Warranty length of time	Any value			
12	Classification	Risk Rating	As per PAS 1192-6 Meta data requirements	Any value			

INFORMATION LEGEND