



XXX Project Marking Scheme

Project Name: XXX

Non-Compliance: 0

Item	Description	Compliance
1.	<u>Deliverable date (2 weeks before meeting)</u>	
1.1	Submitted on XXX	✓
2.	<u>File format</u>	
2.1	Model file in *.rvt format (or other format as agreed, e.g. Civil 3D in *.dwg)	✓
2.2	Drawing file in *.rvt or *.dwf (or other format as agreed, e.g. Civil 3D in *.dwg)	✓
3.	<u>File Structure / Model Structure</u>	
3.1	File structure followed the housing current standard / CIC BIM Standard	✓
3.2	Revit model / Revit link file	✓
4.	<u>Modelling</u>	
4.1	Set up projects with correct coordinates system – HK 1980 Grid	✓
4.2	Set up projects with mPD (Mean Sea Level)	✓
4.3	Project models shall be divided into different discipline package (ARC, STR and E&M)	✓
4.4	Worksets shall be setup for model file for collaboration purposes.	✓
4.5	Ceilings to be setup in a separate file as it is a major interface between ARC and E&M discipline. *(At this stage, no drawing for reference)	N/A
4.6	Model file naming convention	✓
5.	<u>Family</u>	
5.1	Parameter modelling (*Use Shared Parameters)	✓
5.2	Incorrect category	✓
5.3	Family naming convention	✓
6.	<u>Drawing Production</u>	
6.1	Drawing submitted within a separate file	✓

6.2	Drawing naming / view naming	✓
6.3	Annotation	✓
6.4	Grid	✓
6.5	Title Block	✓
6.6	Schedule	✓
6.6.1	Window Schedule	✓
6.6.2	Door Schedule	✓
6.6.3	Room Schedule	✓
6.6.4	Slab Schedule	✓
6.6.5	Revit Link Schedule	✓
7	<u>Quality Control Checks</u>	
7.1	Visual check	✓
	Discipline BIM Coordinator should use Revit to ensure there are no unintended model components and the design intent has been followed.	
	Check weekly or before WIP exchange and end of each workstage	
7.2	Interference check, Clash detection	✓
	Discipline BIM Coordinator should use Revit, Navisworks and Fuzor to detect problems in the model where two building components are clashing including soft and hard.	
	Check Weekly or before WIP exchange and end of each workstage	
7.3	Standard check	✓
	Discipline BIM Coordinator should use Revit to ensure that the project BIM standards have been followed (e.g. fonts, dimensions, line styles, levels, file and object naming, sheet naming, classification and room numbering.)	
	Check weekly or before WIP exchange and end of each workstage	
7.4	Model data check	✓
	Process used to ensure that the project data set has no undefined, incorrectly defined or duplicated elements (e.g. family & type, material, thickness and	

	hardness) and the reporting process on non-compliant elements and corrective action plans.	
	Check weekly or before WIP exchange and end of each workstage	
7.5	Model Audit	✓
	1. General Model Status and Project Metadata	
	1.1 Model Authors comments	
	1.2 Software version and plugins etc. used	
	1.3 Current model size	
	2. Conformity to Naming Standards	
	2.1 File naming	
	2.2 Sheet and View naming	
	2.3 Family / Component naming	
	2.4 Room naming	
	3. Model review	
	3.1 Model coordinates	
	3.2 Worksets activated and used	
	3.3 Design options / phasing	
	3.4 Models and files linked	
	3.5 Family / components classifications and data continuity	
	3.6 Appropriateness of use of model components, e.g. ceilings used as floors	
	3.7 Brief review of LOD and appropriateness to project stage	
	3.8 General perception of model integrity, detail and quality – common sense / visual inspection	
	4. Review model Errors and Warnings	
	5. Report / Feedback / Recommendations	
	Use Revit and Navisworks to audit bi-weekly	
8.0	Concrete wall and Floor check	✓
	Ensure that concrete wall modelled on the structural floor before modelling floor finish in architectural file.	
9.0	Structural stair check	✓
	Ensure the geometry of first step of each structural floor is modelled accurately.	