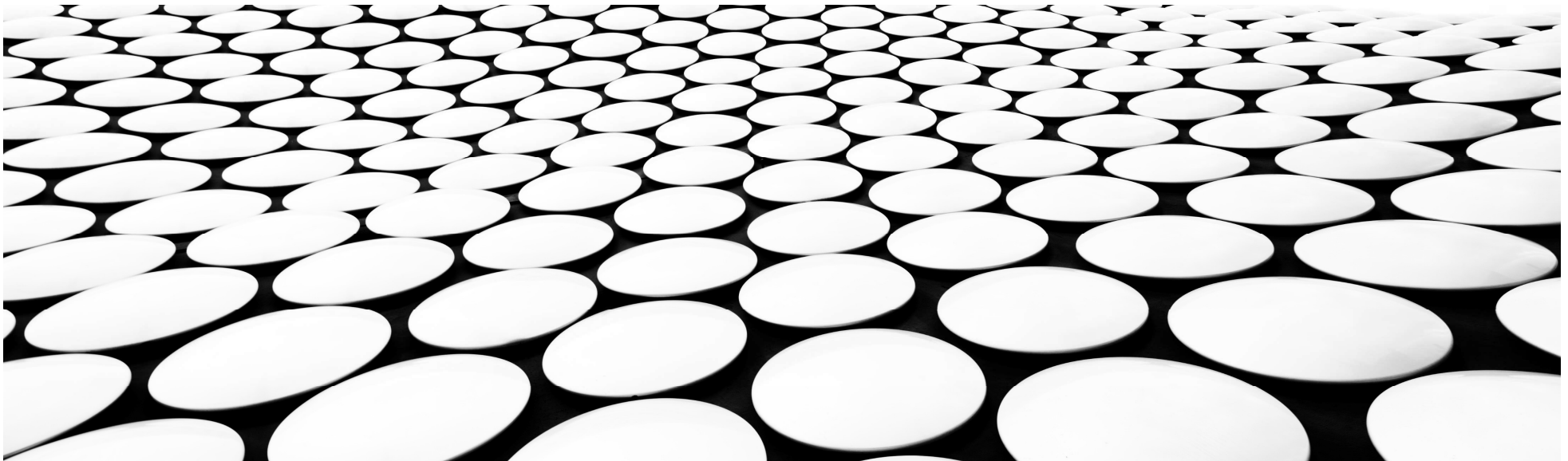

ROYAL INSTITUTE OF BRITISH ARCHITECTS (RIBA) PLAN OF WORK (POW)



ER. PARVEZ KHAN



- Active Participation
- ON your video camera
- Gadgets on DND mode
- Put water bottles – keep yourself hydrated



- No spamming
- Keep yourself on mute
- Ask relevant Questions in Q&A session
- No other works

CONTENTS

- RIBA DEFINITION
- RIBA STAGES
- LEVELS OF BIM (MATURITY LEVEL)
- BIM TOOLS
 - AUTHORIZING TOOLS
 - NON-AUTHORIZING TOOLS



WHAT IS RIBA PLAN OF WORK (POW)?

The RIBA Plan of Work 2013 organizes the process of briefing, designing, constructing, maintaining, operating and using building projects into a number of key stages. The content of stages may vary or overlap to suit specific project requirements. The RIBA Plan of Work 2013 should be used solely as guidance for the preparation of detailed professional services contracts and building contracts.



RIBA
Plan of
Work
2013

RIBA

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www.ribaplanofwork.com

	0	1	2	3	4	5	6	7
	Strategic Definition	Preparation and Brief	Concept Design	Developed Design	Technical Design	Construction	Handover and Close Out	In Use
Core Objectives	Identify client's Business Case and Strategic Brief and other core project requirements.	Develop Project Objectives , including Quality Objectives and Project Outcomes , Sustainability Aspirations , Project Budget , other parameters or constraints and develop Initial Project Brief . Undertake Feasibility Studies and review of Site Information .	Prepare Concept Design , including outline proposals for structural design, building services systems, outline specifications and preliminary Cost Information along with relevant Project Strategies in accordance with Design Programme . Agree alterations to brief and issue Final Project Brief .	Prepare Developed Design , including coordinated and updated proposals for structural design, building services systems, outline specifications, Cost Information and Project Strategies in accordance with Design Programme .	Prepare Technical Design in accordance with Design Responsibility Matrix and Project Strategies to include all architectural, structural and building services information, specialist subcontractor design and specifications, in accordance with Design Programme .	Offsite manufacturing and onsite Construction in accordance with Construction Programme and resolution of Design Queries from site as they arise.	Handover of building and conclusion of Building Contract .	Undertake In Use services in accordance with Schedule of Services .
Procurement *Variable task bar	Initial considerations for assembling the project team.	Prepare Project Roles Table and Contractual Tree and continue assembling the project team.	The procurement strategy does not fundamentally alter the progression of the design or the level of detail prepared at a given stage. However, Information Exchanges will vary depending on the selected procurement route and Building Contract . A bespoke RIBA Plan of Work 2013 will set out the specific tendering and procurement activities that will occur at each stage in relation to the chosen procurement route.			Administration of Building Contract , including regular site inspections and review of progress.	Conclude administration of Building Contract .	
Programme *Variable task bar	Establish Project Programme .	Review Project Programme .	Review Project Programme .	The procurement route may dictate the Project Programme and may result in certain stages overlapping or being undertaken concurrently. A bespoke RIBA Plan of Work 2013 will clarify the stage overlaps. The Project Programme will set out the specific stage dates and detailed programme durations.				
(Town) Planning *Variable task bar	Pre-application discussions.	Pre-application discussions.	Planning applications are typically made using the Stage 3 output. A bespoke RIBA Plan of Work 2013 will identify when the planning application is to be made.					
Suggested Key Support Tasks	Review Feedback from previous projects.	Prepare Handover Strategy and Risk Assessments . Agree Schedule of Services , Design Responsibility Matrix and Information Exchanges and prepare Project Execution Plan including Technology and Communication Strategies and consideration of Common Standards to be used.	Prepare Sustainability Strategy , Maintenance and Operational Strategy and review Handover Strategy and Risk Assessments . Undertake third party consultations as required and any Research and Development aspects. Review and update Project Execution Plan . Consider Construction Strategy , including offsite fabrication, and develop Health and Safety Strategy .	Review and update Sustainability , Maintenance and Operational and Handover Strategies and Risk Assessments . Undertake third party consultations as required and conclude Research and Development aspects. Review and update Project Execution Plan , including Change Control Procedures . Review and update Construction and Health and Safety Strategies .	Review and update Sustainability , Maintenance and Operational and Handover Strategies and Risk Assessments . Prepare and submit Building Regulations submission and any other third party submissions requiring consent. Review and update Project Execution Plan . Review Construction Strategy , including sequencing, and update Health and Safety Strategy .	Review and update Sustainability Strategy and implement Handover Strategy , including agreement of information required for commissioning, training, handover, asset management, future monitoring and maintenance and ongoing completion of 'As-constructed' information. Update Construction and Health and Safety Strategies .	Carry out activities listed in Handover Strategy including Feedback for use during the future life of the building or on future projects. Updating of Project Information as required.	Conclude activities listed in Handover Strategy including Post-occupancy Evaluation , review of Project Performance , Project Outcomes and Research and Development aspects. Updating of Project Information , as required, in response to ongoing client Feedback until the end of the building's life.
Sustainability Checkpoints	Sustainability Checkpoint – 0	Sustainability Checkpoint – 1	Sustainability Checkpoint – 2	Sustainability Checkpoint – 3	Sustainability Checkpoint – 4	Sustainability Checkpoint – 5	Sustainability Checkpoint – 6	Sustainability Checkpoint – 7
Information Exchanges (at stage completion)	Strategic Brief .	Initial Project Brief .	Concept Design including outline structural and building services design, associated Project Strategies , preliminary Cost Information and Final Project Brief .	Developed Design , including the coordinated architectural, structural and building services design and updated Cost Information .	Completed Technical Design of the project.	'As-constructed' information.	Updated 'As-constructed' information.	'As-constructed' information updated in response to ongoing client Feedback and maintenance or operational developments.
UK Government Information Exchanges	Not required.	Required.	Required.	Required.	Not required.	Not required.	Required.	As required.

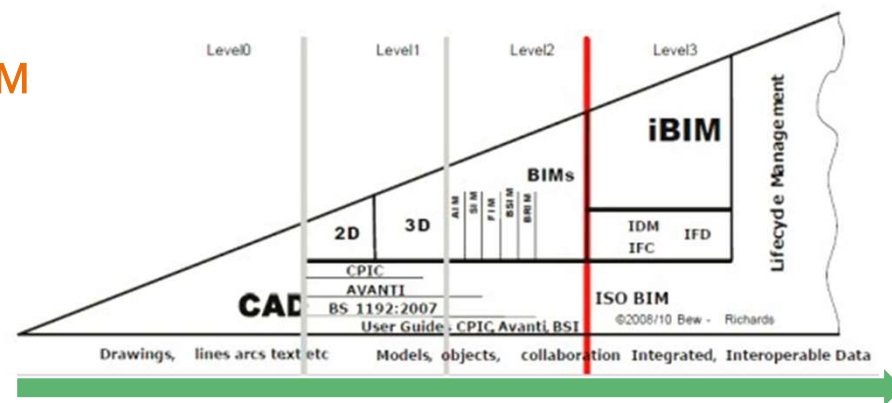
*Variable task bar – in creating a bespoke project or practice specific RIBA Plan of Work 2013 via www.ribaplanofwork.com a specific bar is selected from a number of options.

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LEVELS OF BIM (MATURITY LEVEL)

At the most basic level, the various BIM forms may be described as follows:

- **Level 0 BIM** - includes only 2D drawings without 3D modelling
- **Level 1 BIM** - a mixture of 2D drawings and 3D models where 3D models do not contain any intelligence (the 3D model is predominately used as a design tool during the early stages of the project and for visualization of the finished project)
- **Level 2 BIM** - each project participant creates their own separate BIM model (with intelligence) but there is no central BIM model, and
- **Level 3 BIM** - a central BIM model (with intelligence) is created which combines input from each project participant.



BIM TOOLS

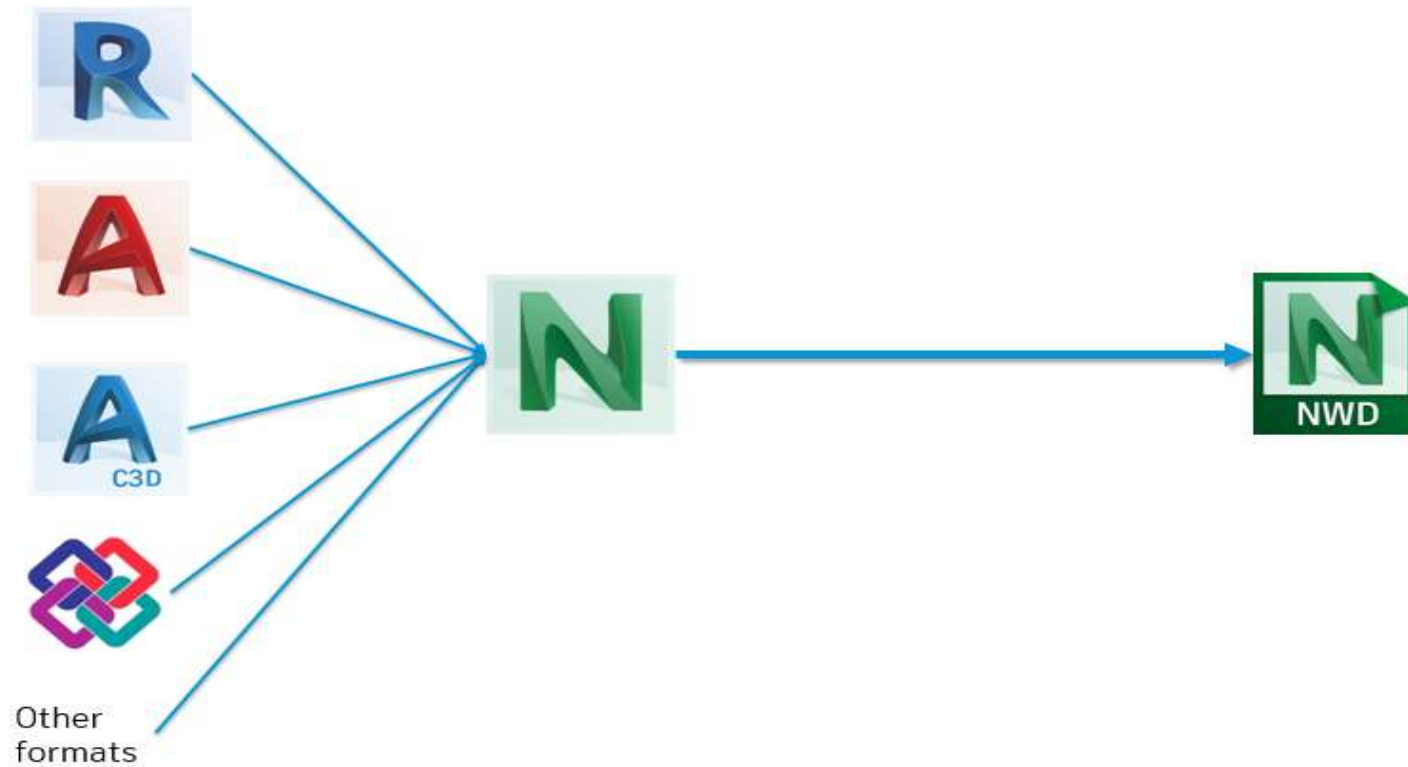
■ BIM Authoring Tools

BIM authoring tools are the tools used to create the actual model. The common users of these tools are designers, 2D to 3D conversion teams, and subcontractors. The tools are used during the design phase until construction documents phase. Such as Revit, Bentley Systems, ArchiCAD, Digital Project, Tekla Structures etc.

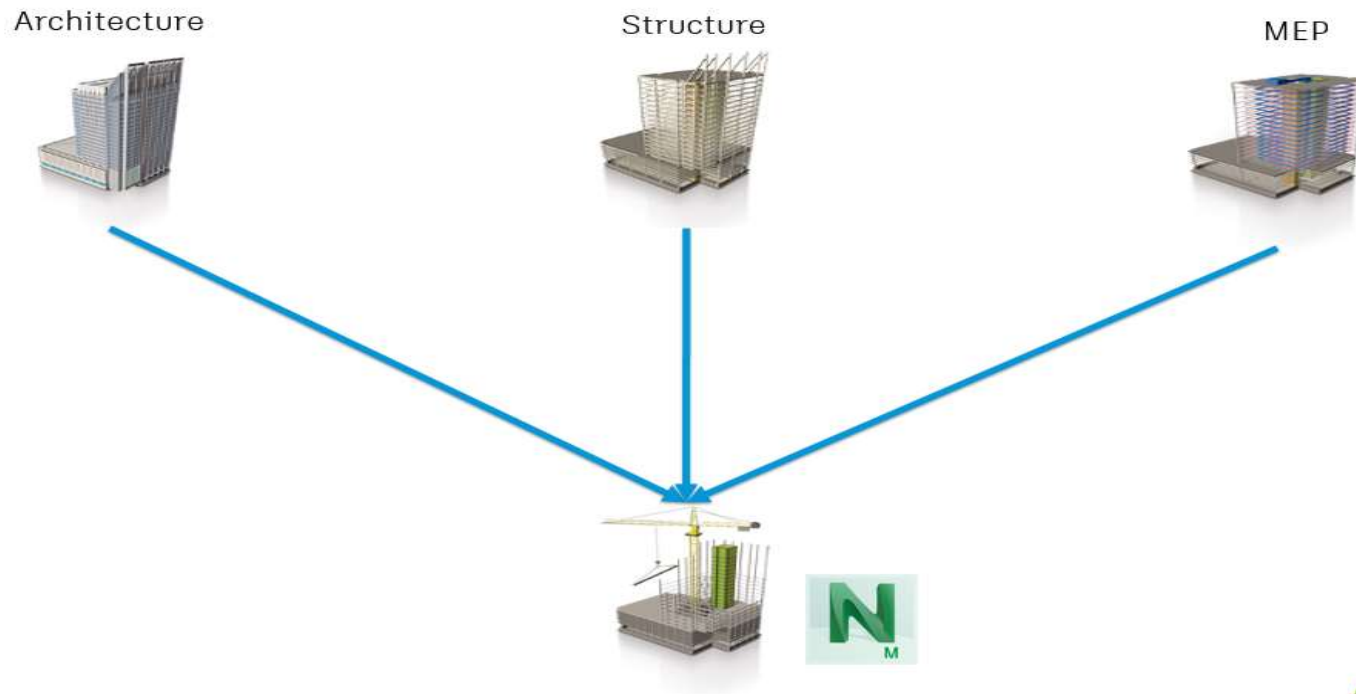
■ BIM Non- Authoring Tools

BIM non-authoring tools are the tools used as Model Viewers & BIM coordination Tools. Such as Solibri Model viewer, Navisworks Manage for coordination works. These tools are used post design phase.

AUTODESK REVIT, AUTOCAD, CIVIL3D ARE AUTHORIZING SOFTWARE



AUTODESK NAVISWORKS MANAGE COORDINATION SOFTWARE



Thank you



REACH ME THROUGH



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