

Internal Work Breakdown Structure & REVIT Model Process

	Project Phases	REVIT Model Process
	Pre-Concept Pre-Co	
	Preliminary work: meeting, information gathering, contract setup, etc Field measuring	Model existing building
	Schematic Design	
_	Development of concepts (municipal req's, client meetings, budget analysis)	Model new building. Design options. Model for layout (generic walls with reasonable wall thickness (ie. 3 1/2", 5 1/2", 10" or 90, 140, 240, etc) Model for presentation purposes.
_	Site Plan Development	
	Development of site design	Model/develop site portion of project
_	[Obtain client sign-off of concept/budget] - Clean m - Fix mod	odel Quality Assurance Check #1 nodelling & dimensions lel issues (door types, curtain walls, wall
	Building Code Review joins, etc	h room names, room numbering.
	Perform thorough review of building code - Confirm	_
	Perform thorough accessibility review	
	Complete Building Code drawing (plans, matrix, etc) Design Development Meeting #1	
	Introduce consultants to clients	Begin model collaboration with
	Discuss functions within building and client expectations of systems	consultants.
	Engineers to present/review options.	
	Design Development Meeting #2 (Final)	
	Review designed systems and preliminary consultant drawings	Model changes/Updates as required.
	Provide cut sheets of proposed equipment/fixtures.	
_	Dwgs for Client Review: Floor Finishes, Door Types & Hardware functions, RCP	
	Design Development Follow-up Meeting (Prior to Construction Documents) Review all outstanding client decision items (develop checklist)	Model changes/Updates as required.
	, , , ,	I Quality Assurance Check #2
_	/	odelling and dimensions
	,	rrect assemblies (no more generic walls)
	height/asser	eral building sections for checking mbly connections iting views that do not apply.
	23 /0 Keview of Collstruction Documents	el as required.
	Outilite Specifications, types, model numbers, selections, etc.	model to consultants.
_	Plan Dimensions: accurate, logical, and clean ("0's" and "5's" only)	
_	Elevations: Window shapes, types of windows, exterior materials	Develop model with detailing.
	Completed code drawing	Develop model with detailing.
	Consultant Drawings	
	50% Review of Construction Documents	
	Specifications: Full draft including consultant's sections Wall Sections (without notes)	Develop model with detailing.
	Overlay/Coordination Drawings	
	Consultant Drawings	
	[2 weeks prior to submission date perform 99% review]	
	99% Review of Construction Documents	
	Drawings and Specifications to be complete as if making a submission.	Final markups/corrections to model.
_	All Consultants' documents included	Third markaps, corrections to model.
	[Complete final markups, typically 1 week]	
	100% Submission of Construction Documents	
	Bidding & Negotiations	
	Tender Period: Contractor Questions, Addendum Prep, Receive Bids, Bid Summary	Update model for ASK's
	Permit Submission: Issue to Building Department	
	Contract Administration	
	Supplemental ASK's to Contractor/Construction Manager for Supplemental Instructions,	Update model for ASK's and AS-Built
	Propsoed Changes and Change Orders	Drawings
	General Reviews & Site Meetings	-