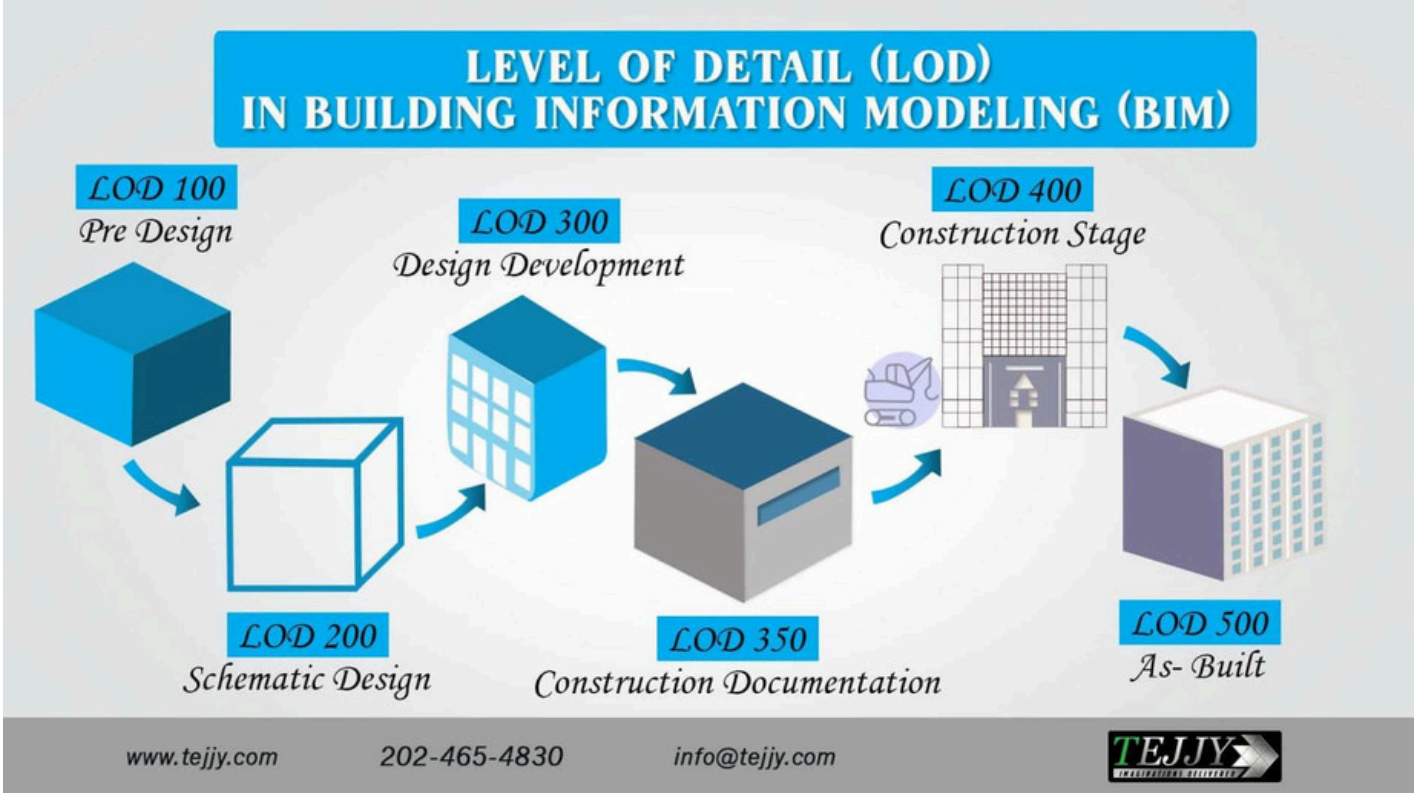
BIM LOD for Building Design – A Must for Project Standardization

Industry experts describe how an element's shape and related information have changed during the process using the Level of Development (LOD). It denotes the degree to which various team members can rely on knowledge related to an element. LOD aids designers in defining the intrinsic qualities of a model's components at various phases of development. Clarity in illustration provides a model depth by indicating how much and at what level a model's element should be relied upon. To standardize the application of the LOD framework and make it a productive and cooperative communication tool, **BIM LOD** specifications were created.



BIM LOD Design Build Phases:

The LOD does not appear to be purposefully defined by design processes. Instead, the LOD language may be used to define the conclusion of the design process as well as any other milestone or deliverable.

Benefits of BIM Level of Development:

1) The absence of a comprehensive standard for the design phase is the first justification. Prior architects developed standards, but they were internal to an organization. The standards vary from one business to the next, and they might even vary within a single organization depending on the demands of a project.
2) Since building systems develop from concept to precise at varying rates, various elements will be at various stages of this development. For instance, the model will have numerous pieces at LOD 200 following the Schematic Design phase, but will have many elements at LOD 100, some at LOD 300, and perhaps even LOD 400.

6 Phases of BIM LOD:

The American Institute of Architects has outlined six phases of progression for the current situation. According to AIA, LOD specifies the requirements for each stage of the design process.

- The model at LOD 100, or the pre-design stage, consists of 2D symbols and the masses denote the existence of an element.
- By describing the elements' approximate quantity, size, shape, and placement, the elements at LOD 200 are partially described.
- By LOD 300, the elements are precisely defined with respect to their relative positions and dimensions.
- LOD 350 specifies an element's relationship and connection with other components as well as precisely describing information about an element.
- The LOD 400 level provides a general description of how various pieces are built.
- By LOD 500, the model starts to depict the actual uses of components in a real building.

Are you looking for BIM modeling services for your design and construction project? Get in touch with expert BIM consultants in USA for your LOD 100 – 500 requirements. Tejjy Inc. is a competent BIM service provider in USA in this regard. Schedule an appointment with the BIM engineers at preconstruction stage by calling at 202-465-4830 or sending mails at info@tejjy.com for your construction needs and maximize your construction ROI.