

CAD, BIM and the Model

Architecture

Drawing lines versus building a model, and what changes as a result.

CAD

- Lines that represent things
- Each drawing edited separately
- Fast to start, flexible
- Errors appear as drawings disagreeing
- No data behind the geometry

BIM

- Objects that know what they are
- Drawings extracted from one model
- Slower to set up, consistent after
- Clashes found before the site does
- Data carried with the geometry

THE DIFFERENCE THAT MATTERS

BIM removes the coordination errors of parallel drawings and replaces them with the discipline of a shared model.

A model is not a drawing. Someone still decides what is shown, at what scale, and with what line weights.