

GBA = ?
GFA = ?

Revit Feasibility Scheduling Areas

Revit

Site and Massing Study

- 1: Site/Controls
- 2: Building Massing
- 3: Design Options
- 4: Scheduling Areas**
- 5: Shadow Diagrams



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Dynamo

Site Analysis

5: Face Analysis Grids

6: View Analysis

7: Sun Hour Analysis

8: Analysis Refinement

9: Power BI Report



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Power BI

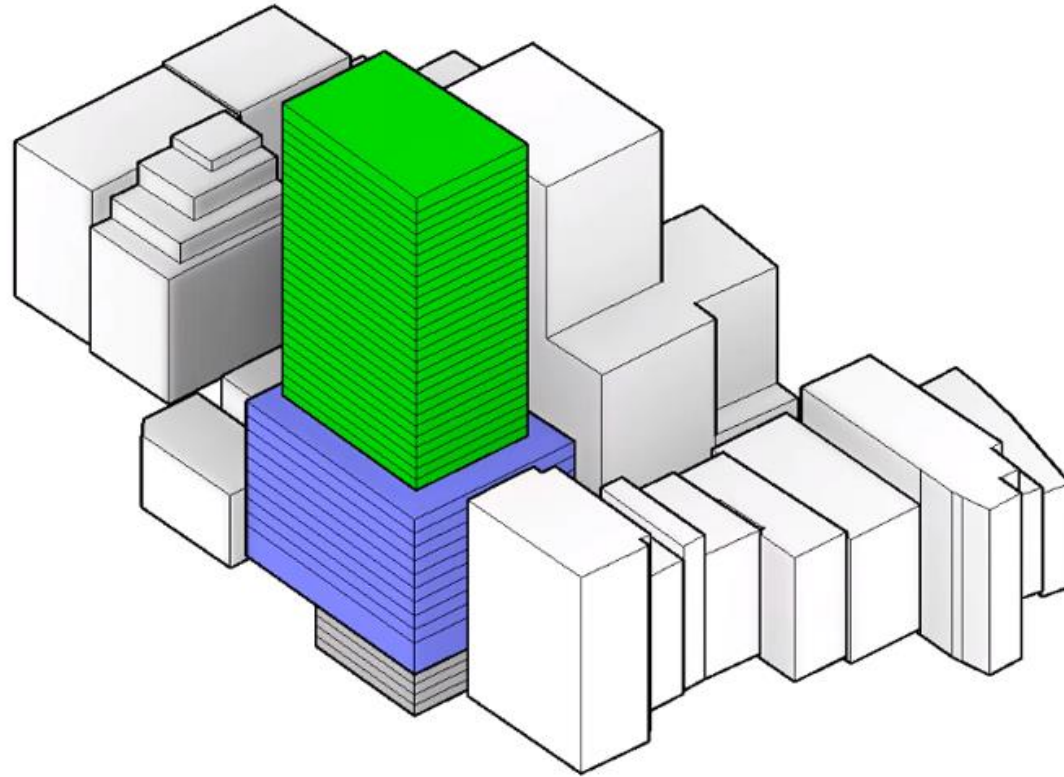
Analysis and reporting

10: Power BI Report



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Mass/Floors are set up...



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Obtaining GFA

How do you calculate GFA of a building?

Multiply the square footage times the number of floors in the **building**. Subtract the square footage of any elevator shafts, lobbies (other than on the first floor), or rooms that house only equipment used for the **building's** operation. The result is the **gross floor area**. Aug 7, 2017

How to Calculate Gross Floor Area - Sciencing✓

<https://sciencing.com/how-6453926-calculate-gross-floor-area.html>



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We will use Rates

Commercial = .85 (85%)

Residential = .90 (90%)

Carpark = .10 (10%)

Plant = .80 (80%)

Bar = .85 (85%)

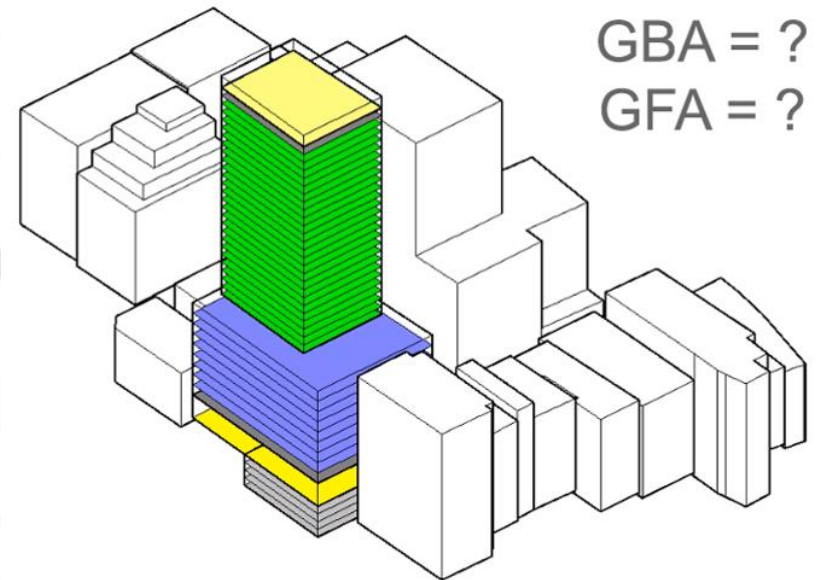


The Workflow

- Set up **Floor Keys (types)**
- Set up **Floor Filters**
- Set up **View Template**
- **Schedules**

GBA/GFA by Level

GBA/GFA/& by Type



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A background network diagram consisting of numerous grey dots connected by thin grey lines, forming a complex web-like structure that fills the right side of the slide.

Without further ado...

Let's get started...



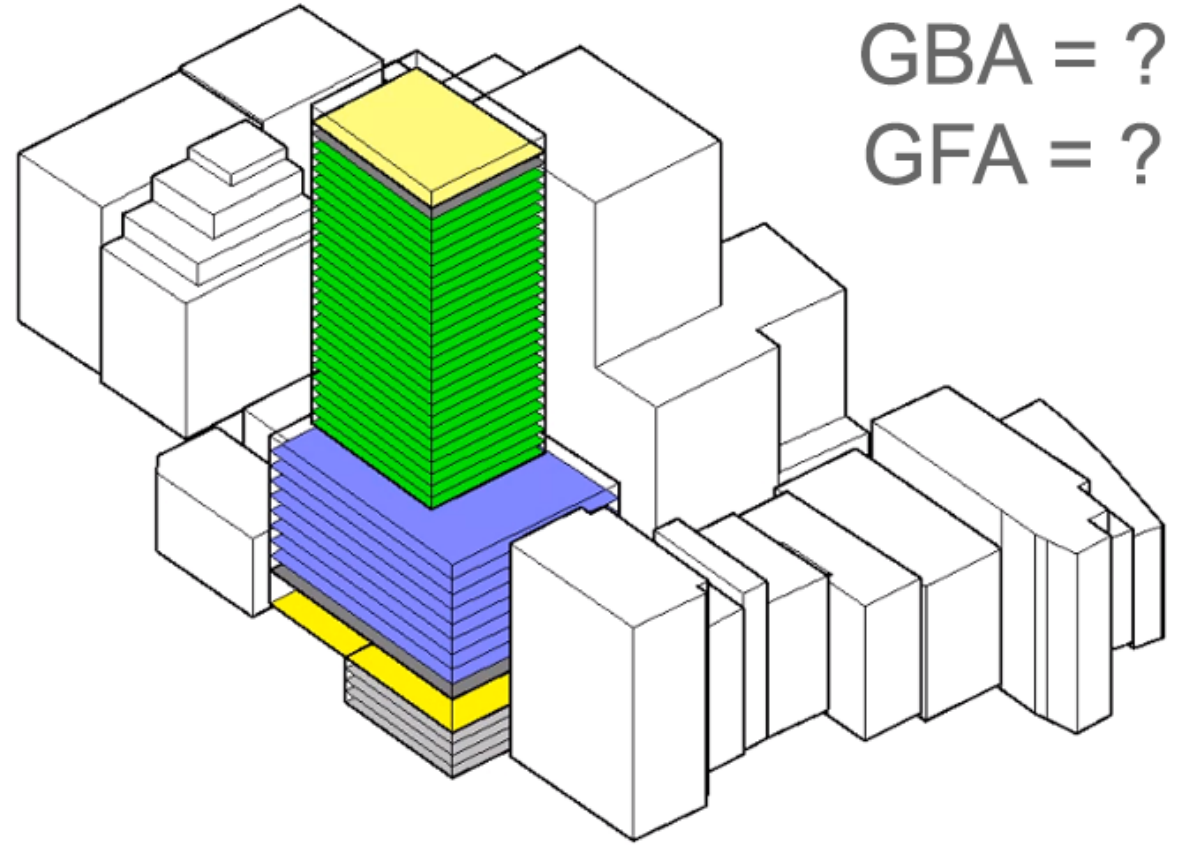
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Next: Part 5

Shadow Diagrams



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