CaliBim

CHECKLIST

Quality check of a Revit structural model

Twelve points to check before every issue, to adapt to the project's BIM execution plan.

PROJECT	MODEL AND VERSION	DATE	CHECKED BY

SCOPE AND FILE

- [ ] **01** **Scope**
  Recipient, intended use, stage and BIM execution plan requirements.
- [ ] **02** **Warnings**
  Structural warnings resolved, list exported to compare issues.
- [ ] **03** **The file**
  Audited on opening, purged with care, compacted.

SETTING OUT AND STRUCTURE

- [ ] **04** **Setting out**
  Reference points pinned, shared coordinates consistent, nothing stray far from the internal origin, no level or grid discrepancy left undecided.
- [ ] **05** **Categories and structural usage**
  Columns, framing, foundations; load-bearing walls set as structural.
- [ ] **06** **Materials, supports and joins**
  A structural material everywhere, every element supported, geometry joined, level by level.
- [ ] **07** **Duplicates and clashes**
  Duplicated elements and partial overlaps, structure against itself.

DATA AND DELIVERABLES

- [ ] **08** **Data**
  Project information, names, required parameters, unique marks.
- [ ] **09** **Quantities**
  Compared with the previous issue; every difference explained.
- [ ] **10** **Views, sheets and links**
  Views and sheets in order, links loaded and up to date.
- [ ] **11** **Copy and exports**
  IFC and NWC produced with the agreed settings, then reopened.

ISSUE

- [ ] **12** **Issue note**
  Version, date, content, known limits and open points.

OPEN POINTS AND REMARKS