

FREE CHECKLIST • VERSION 1 • OCTOBER 2026

Data center Revit model checklist

32 data checks to run before you issue or hand over an Autodesk® Revit® model for a data hall, power room or campus building. Tick each box when the check passes. Most of these are the checks a dashboard can't see.

1. Asset IDs

5 checks

- ☐ Every rack has an asset ID, and no two racks share one.
- ☐ IDs follow your scheme, for example **DH1-A-03** (hall 1, row A, position 3).
- ☐ Power and cooling equipment carries IDs in the owner's format, such as **RPP-1A-01**.
- ☐ Campus copies carry their building prefix, such as **B2-DH1-A-01**.
- ☐ Each element sits in the hall or room that its parameters name.

2. Power path data

5 checks

- ☐ Every rack has both an A feed source and a B feed source filled in.
- ☐ Each feed source points to equipment that exists in the model.
- ☐ A-path and B-path equipment is marked with its path, so filters can color it.
- ☐ No rack lists the same source for A and B. If one does, ask your electrical engineer.
- ☐ Upstream IDs match the equipment list on your engineer's latest one-line diagram.

3. Rack data

4 checks

- ☐ U height, design kW and cooling type are filled for every rack.
- ☐ Design kW values come from your engineer, not from family defaults.
- ☐ Liquid-cooled racks name the CDU that serves them.
- ☐ Cooling type uses one agreed list of values, such as Air, DLC and RDHx.

4. Schedules

4 checks

- ☐ The rack schedule count matches the racks placed, hall by hall.
- ☐ Equipment schedules match what's placed in each room.
- ☐ Schedules read shared parameters, not look-alike project parameters.
- ☐ Groupings and totals are set up the same way in every hall.

5. Owner and BIM standard

6 checks

- ☐ Required shared parameters exist on every category the owner lists.
- ☐ Family, type, view and sheet names follow the naming rules.
- ☐ Title blocks and sheet parameters are filled.
- ☐ View templates are applied where the standard expects them.
- ☐ Worksets and links match the BIM execution plan (BEP).
- ☐ Classification and COBie fields are filled where the contract asks for them.

6. Handover data

3 checks

- ☐ DCIM IDs are filled where the owner's DCIM system links to the model.
- ☐ COBie type names follow the owner's rules.
- ☐ Asset data comes from the latest equipment register, not early placeholders.

7. Model health

5 checks

- ☐ Warnings are reviewed, and the largest groups are cleared or explained.
- ☐ No imported or exploded CAD is left in views. Use links instead.
- ☐ In-place families are replaced with loadable families where possible.
- ☐ Unused families, views and groups are purged.
- ☐ File size is recorded at each issue, so growth is easy to spot.

Check record

Model		Revit version	
Checked by		Date	
Checks passed	/ 32	Next check due	
Notes			

A data check, not an engineering review. These checks look at whether the data in the model is complete and consistent, not whether the design is right. Values such as feeds, kW and cooling come from your engineer of record. Your licensed professionals review the design and remain responsible for it.

Want these checks run for you?

A Revit model health check from SS Technologies costs \$500 per model, with an estimated 3 business days after we get access. It's read-only. You get a PDF report, an Excel issue list with element IDs, a fix list in priority order and a 30-minute walkthrough.

www.sstechbim.com/revit-model-health-check

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