



FREE TOOL

DS1140 – free guide and checklist for contractors

Have you received the right information and documentation from the lead structural designer?

The checklist helps you check whether you have received an adequate basis for execution and control before the work and the DS1140 control begin. Use it directly here on the page, print it for the construction site, or download it as a PDF.

Before you start: why the basis must be unambiguous

The checklist helps contractors, subcontractors, project managers, site managers and QA managers review the material that is to form the basis for execution and control of load-bearing structures. It is a practical aid – not a substitute for the project's specific **structural documentation**, BR18, DS 1140 or the project-specific requirements of the lead structural designer (bygværksprojekterende).

Professional basis

BR18 § 502 requires B2 to describe control requirements for design and execution, including type, level, extent, documentation requirements and control organisation. DS/INF 1140:2022 describes, among other things, that the basis for execution received from the design stage must be reviewed so that it is consistent, complete and understandable, and that the contractor is responsible for planning, carrying out, documenting and following up on the general control (almen kontrol).

The DS1140 checklist: 12 control areas

1 Are your work and structural section clearly identified?

- ☐ I know which structural section my work belongs to.
- ☐ I know which structural elements and works my contract covers.
- ☐ Interfaces with other contracts and structural sections are identified.
- ☐ Any supplier design is identified, including who designs and documents it.

 **Typically found in:** B1 Structural design statement, the document list, the basis for execution and the relevant structural documents.

 **If it is unclear:** Ask the relevant responsible designer/lead structural designer to identify the structural sections, works and interfaces in writing.

2 Do you have the current drawings and models?

- ☐ I have the current structural drawings/models.
- ☐ Revision and date can be identified.
- ☐ It is clear which revision applies for execution.
- ☐ Relevant sections and details are available.
- ☐ Locations and dimensions are shown.
- ☐ Joints, connections, anchorages and fixings are shown or described where relevant.
- ☐ Any erection requirements and requirements for temporary stability have been clarified.

 **Typically found in:** A3 Structural drawings and models, together with the document/drawing register.

 **STOP POINT:** If the structural solution cannot be executed unambiguously from the basis received, the matter must be clarified. Avoid replacing a missing design basis with your own assumptions.

3 Are materials, products and execution requirements specified?

- ☐ Material types and relevant grades/strength classes are stated.
- ☐ Dimensions are stated.
- ☐ Relevant product requirements and performance can be identified.
- ☐ Requirements for brackets, bolts, screws, welds, anchors, reinforcement etc. are stated where relevant.
- ☐ Corrosion, environmental and durability requirements are stated where relevant.
- ☐ Relevant supplier and installation instructions are available.



Examples: Timber: strength class, dimensions, brackets and connections. Steel: section, steel grade, bolts, welds and surface treatment. Concrete: concrete class, reinforcement, cover and cast-in items. Masonry: brick/block, mortar, reinforcement, wall ties and supports.

4 Do you know the acceptance criteria?

A control is only useful if it is clear what the completed work is to be checked against.

- | | |
|--|--|
| ☐ Dimensions and geometry | ☐ Locations |
| ☐ Tolerances, where relevant | ☐ Material grades |
| ☐ Joints and connections | ☐ Fixings and their number |
| ☐ Reinforcement and cover, where relevant | ☐ Welds, where relevant |
| ☐ Anchorages and supports | ☐ Other project-specific requirements |



Control question: Could another person decide from the project material whether the completed work is accepted or deviates? If not, the acceptance basis should be clarified.

5 Have you received the relevant control requirements?

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|--|---|
| ☐ What is to be checked has been identified. | ☐ Control type and control level are known where relevant. |
| ☐ The extent of control is known. | ☐ The documentation requirements are known. |
| ☐ Requirements for general control are known. | ☐ Requirements for independent control are known. |
| ☐ Requirements for special control have been clarified. | ☐ Any third-party control has been identified. |
| ☐ Requirements for photo, measurement or other recording have been clarified. | ☐ Control that must take place before closing up/covering has been identified. |

 **Typically found in:** B2 Structural control plan (Statisk kontrolplan) – in particular B2.2 for execution – read together with the basis for execution.

6 Have requirements for special control been clarified?

- ☐ Yes – the requirements and form of documentation are known.
- ☐ No – the project does not require special control of my work.
- ☐ Not clarified – must be clarified before the control plan/execution is finalised.

 **Note:** Special control (særlig kontrol) is not the same as the general control under DS 1140. If the designer has specified special control of a piece of work, it must be handled as a project-specific requirement in the control basis.

7 Are the control sections practical and clearly divided?

- ☐ All relevant structures and works are covered by a control section.
- ☐ The control sections can be identified on site.
- ☐ It can be documented where the control was carried out.
- ☐ The division fits the sequence of work.
- ☐ Any project-specific requirements from the lead structural designer for the division have been incorporated.

 **Example:** Instead of one broad item such as “roof control”, the specific project may make it appropriate to work with separate control sections for, e.g., rafters, wall plates, trimmers, bracing and brackets/connections.

8 Have interfaces and responsibilities been clarified?

- ☐ I know who is the responsible designer for the relevant parts.
- ☐ I know who technical questions and deviations should be sent to.
- ☐ Supplier design and the associated structural documentation have been assigned.
- ☐ Interfaces between contracts/trades are identified.
- ☐ Interfaces between structural sections are identified.
- ☐ It is clear who checks and documents which works.



Typical risk situation: One party designs the main system, a supplier designs a sub-structure, another supplies the brackets, and a third installs. The boundaries of control and documentation must be clarified – not left until handover.

9 Is the process for design changes established?

- ☐ A procedure for changes has been agreed.
- ☐ It is clear who changes must be submitted to.
- ☐ Changes are documented in writing.
- ☐ Revised drawings/documents can be identified.
- ☐ Relevant changes are carried forward into the documentation of the structure as built.



Practical principle: Record → clarify → document → execute → check.

10 Is the basis for A5 – Structure as built (Konstruktion som udført) under control?

- ☐ Relevant structural changes are recorded continuously.
- ☐ Revised drawings/models are saved.
- ☐ Relevant supplier documentation is saved.
- ☐ Product and material changes are recorded where they affect the structure.
- ☐ Deviations and their resolution are documented.
- ☐ It can subsequently be documented how the structure was actually built.



Note: A5 should be considered during execution. BR18 describes A5 as documentation of the structure as built.

11 Can the control be documented unambiguously?

- | | |
|---|--|
| ☐ The control points are defined. | ☐ The control method is defined. |
| ☐ The extent of control is defined. | ☐ The acceptance criteria are known. |
| ☐ The control location/area can be identified. | ☐ Photo and measurement requirements have been clarified. |
| ☐ The person performing the control can be identified. | ☐ Date/time and the relevant revision can be documented. |
| ☐ Deviations can be recorded, handled and closed. | ☐ The control records can be linked to the relevant work/control section. |

12 The final 10-point test before start-up

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| ☐ 1. Do I know exactly what I am going to build? | ☐ 2. Do I know which material and which drawings I am to build from? |
| ☐ 3. Do I know which revision applies? | ☐ 4. Do I know the acceptance criteria? |
| ☐ 5. Do I know what is to be checked? | ☐ 6. Do I know how much is to be checked? |
| ☐ 7. Do I know how the control is to be carried out? | ☐ 8. Do I know how the control is to be documented? |
| ☐ 9. Have the requirements for independent, special and any third-party control been clarified? | ☐ 10. Do I know what to do if the work cannot be carried out as designed? |

If you cannot tick all relevant items: get the matter in question clarified before the activity concerned continues.

Quick document check

Document/information	Received	Reviewed	Missing / to be clarified
B1 / relevant design statement and document list	☐	☐	☐
Relevant basis for execution	☐	☐	☐
Current A3 structural drawings/models	☐	☐	☐

Document/information	Received	Reviewed	Missing / to be clarified
Relevant details and sections	☐	☐	☐
Material and product requirements	☐	☐	☐
Supplier/installation instructions, where relevant	☐	☐	☐
B2 / relevant B2.2 control requirements	☐	☐	☐
Extent of control	☐	☐	☐
Acceptance criteria	☐	☐	☐
Requirements for special control	☐	☐	☐
Requirements for independent control	☐	☐	☐
Any third-party control	☐	☐	☐
Interfaces and allocation of responsibilities	☐	☐	☐
Procedure for design changes	☐	☐	☐
Basis for A5 – Structure as built	☐	☐	☐

Missing material? Use this text

Subject: Missing basis for execution and control – [project / structural section]

We are preparing the execution and control of [work/structural section]. In order to plan, execute and document the work and the associated control, we are missing the following or need clarification of:

- ☐ current structural drawings/models and revision
- ☐ relevant details/sections
- ☐ material and product requirements
- ☐ acceptance criteria
- ☐ control requirements and extent of control
- ☐ requirements for independent/special/any third-party control
- ☐ relevant documentation requirements
- ☐ interfaces/allocation of responsibilities
- ☐ other: _____

Please send the material or clarify the matters so that the basis for execution and control is unambiguous before the activity concerned is carried out.

Get help from KS Danmark

Not sure whether your DS1140 basis is complete, or whether the control process has been set up correctly? KS Danmark can help with a professional review of project material, control basis, control plans and documentation flow.

This checklist is a practical aid and must always be used together with the current documentation and requirements of the specific project.

Sources and professional note

- BR18 §§ 501-502: A3 Structural drawings and models, A4 Structural changes, A5 Structure as built, and B1, B2 and B3
- Bygningsreglementets vejledning til kapitel 28 (Building Regulations guidance on chapter 28 – Documentation of load-bearing structures)

- DS 1140:2019 – Execution of load-bearing structures – General control
- DS/INF 1140:2022 – Guidance on DS 1140:2019

PROFESSIONALLY REVIEWED BY KVALITETSSIKRING DANMARK APS • LAST REVIEWED
OCTOBER 15, 2026



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www.ksdanmark.dk/en/ds1140/guide-checklist-contractors

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