

MOLIO

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Molio specifications, background and proposed structure



Introduction

The current structure is challenged by different factors. These are for example :

- Complex building elements composed of building elements from different disciplines
- Desire of increasing and wider use of digital data
- Increasing use of functional tender
- Specifications for simple projects are disproportionate
- New requirements in constructions agreement terms and building regulations

Molio will therefore restructure the structure of the specifications to overcome the challenges as far as possible.

Current structure

Every works specification is composed by two parts:

- Work specification - general
- Digital standard specifications

Work specification - general contains the generic knowledge and generic requirements that belong to a work area. It's a collection of project-independent determinations that serve as a common reference base for the building elements associated with a work area.

Digital standard specifications are project-specific requirements as additions or deviations to the Work specification – general.

In the current structure are specifications based on work and building elements.

New structure

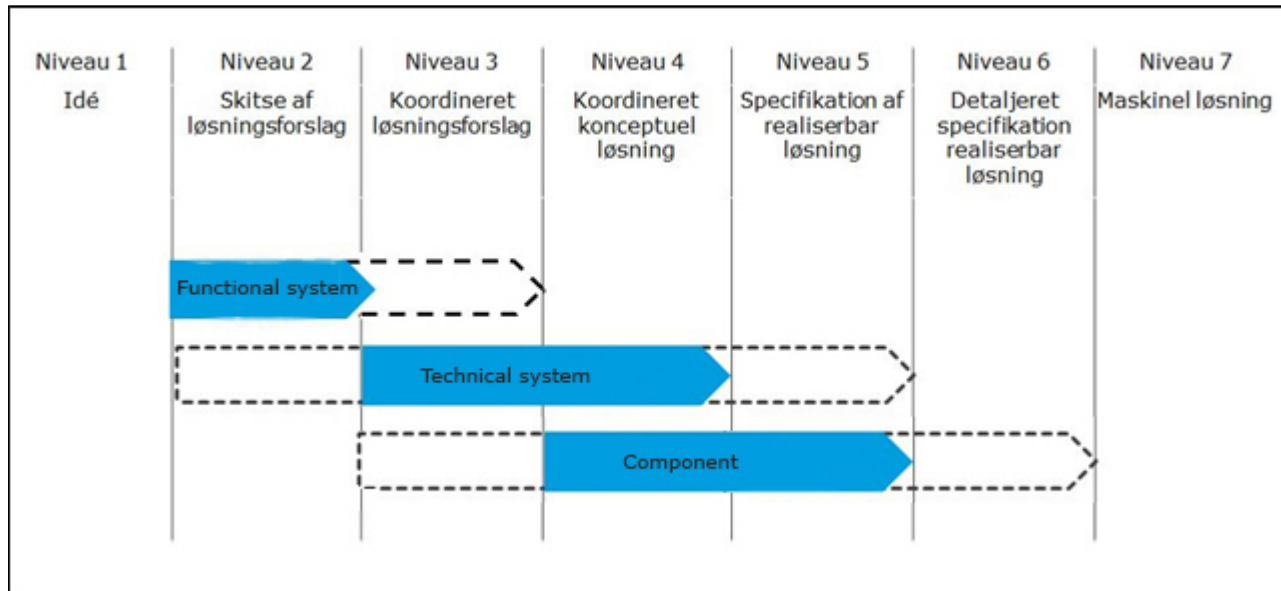
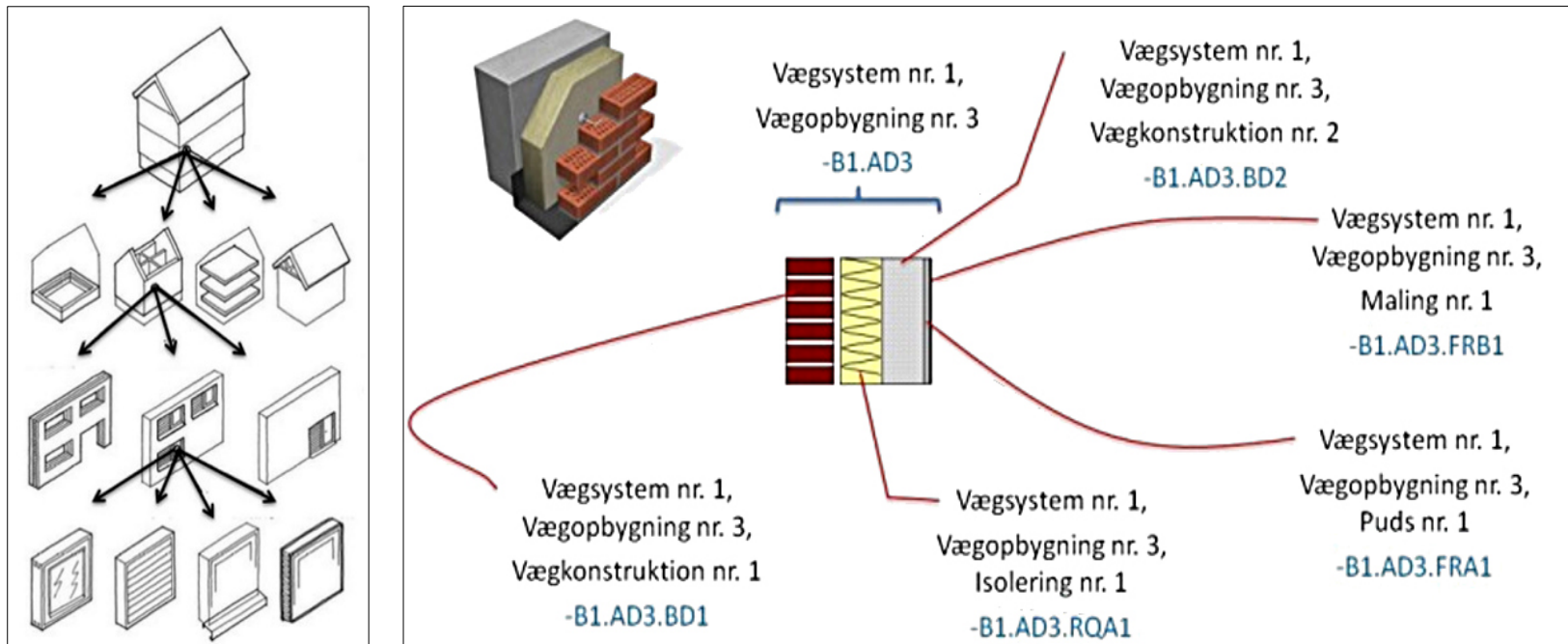


Figure 1: Link between building elements and information levels e.g. CCS Classification .

The new structure will be able to handle the **functional tender** of building components, typically in the form of **components and technical systems**, where it is clear which discipline they belong to, for example, whether it is a wooden structure or a steel structure.

Building elements and building elements specifications

The main change of the specification tool is that in the future it will be based on **specifications of building elements with associated Work specification - general specifications.**



Figur 2: Example for building element, that consists of more building elements e.g. CCS Classification and Identification.



Building element specifications

Building element specifications are project-specific and relate directly to the Work specification - general for the work area.

Building element specifications can describe a **building element** or a performance in the form of a **non-physical building component**.

Work specification - general

For each work area, Molio prepares one or more Work specification - general .
As something new, Work specification - general will be directly associated with one or more building specifications and no longer have a digital standard specification attached.

A Work specification - general contains the generic knowledge and generic requirements that belong to a work area.

It's a collection of project-independent determinations that serve as a common reference base for the building elements associated with a work area.

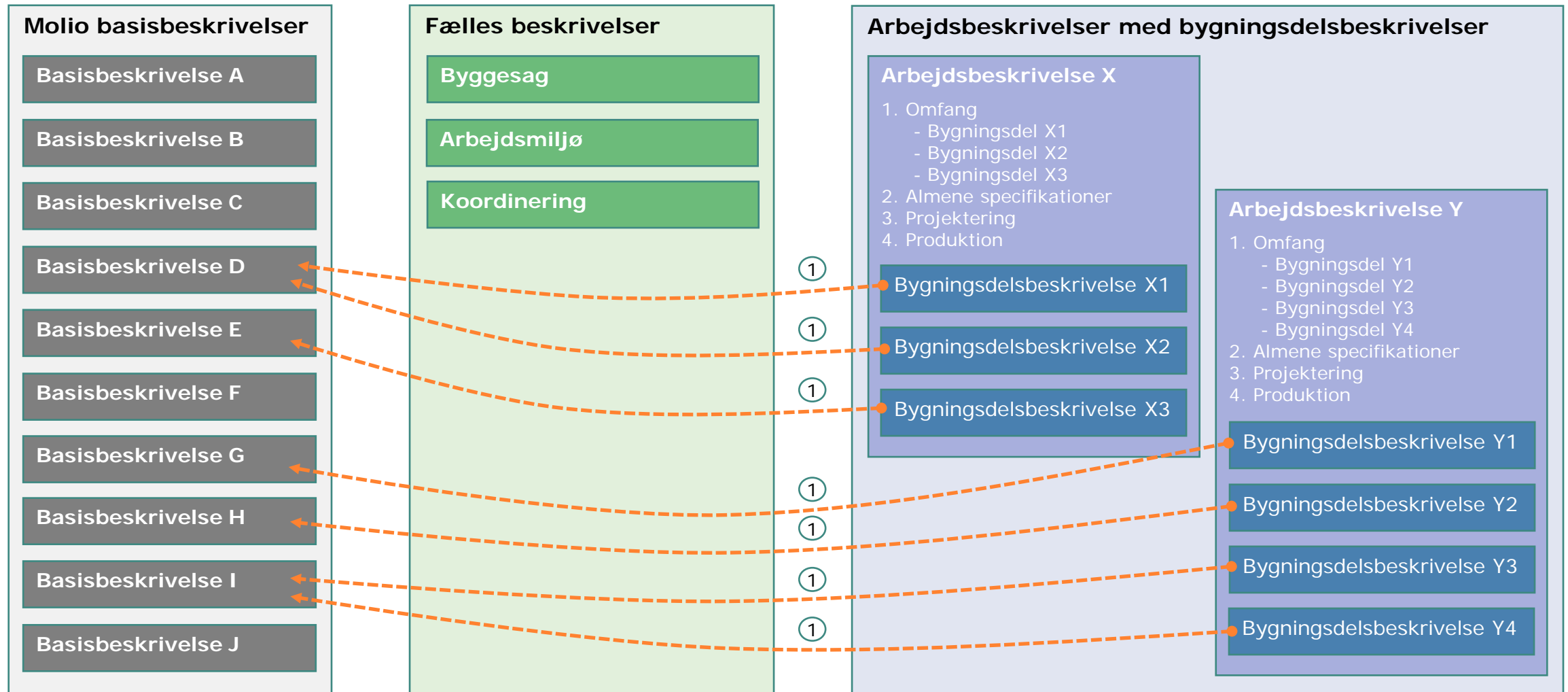
The Work specification - general table of content is:

2. General specifications
3. Projecting
4. Production

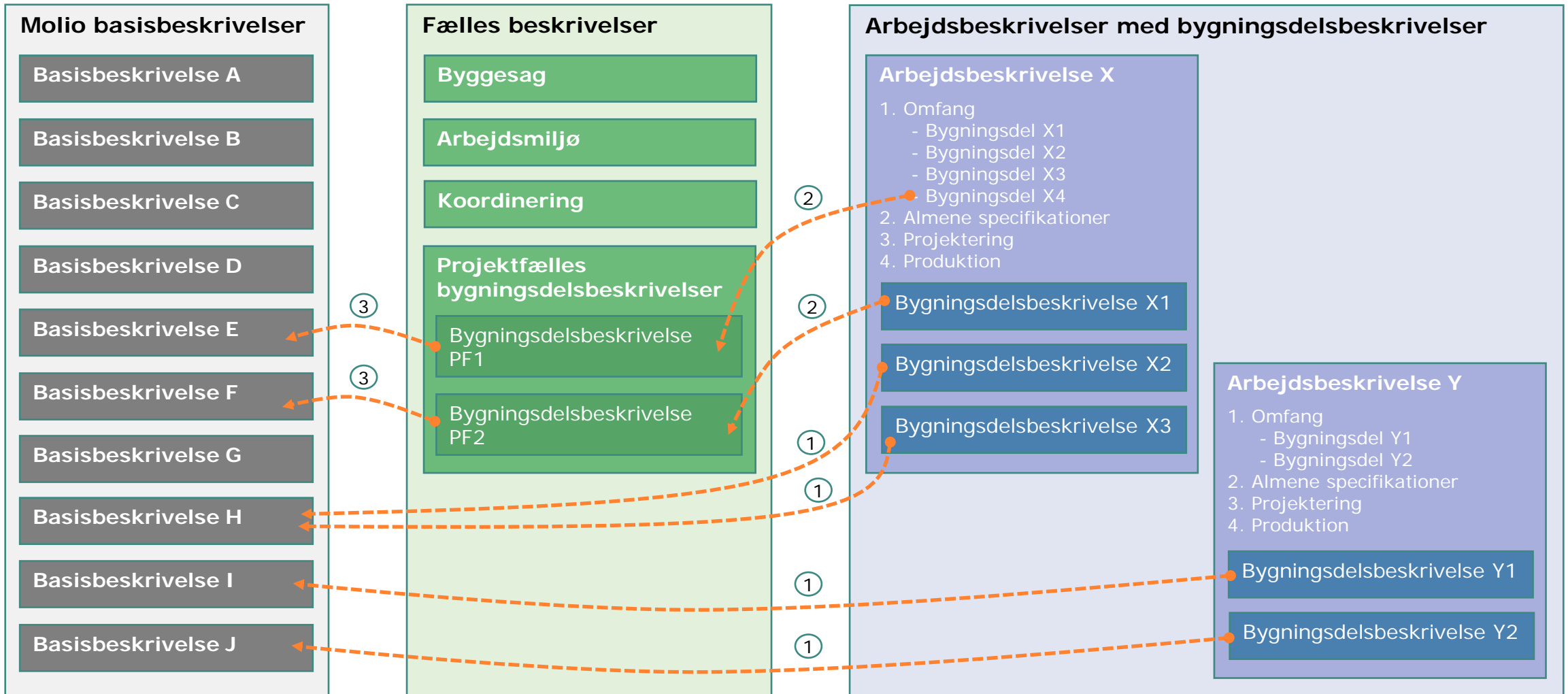
When starting with section 2, it is to ensure the consistency of work specifications, where section 1 is scope of bit.

Illustrations

Reference til basisbeskrivelser

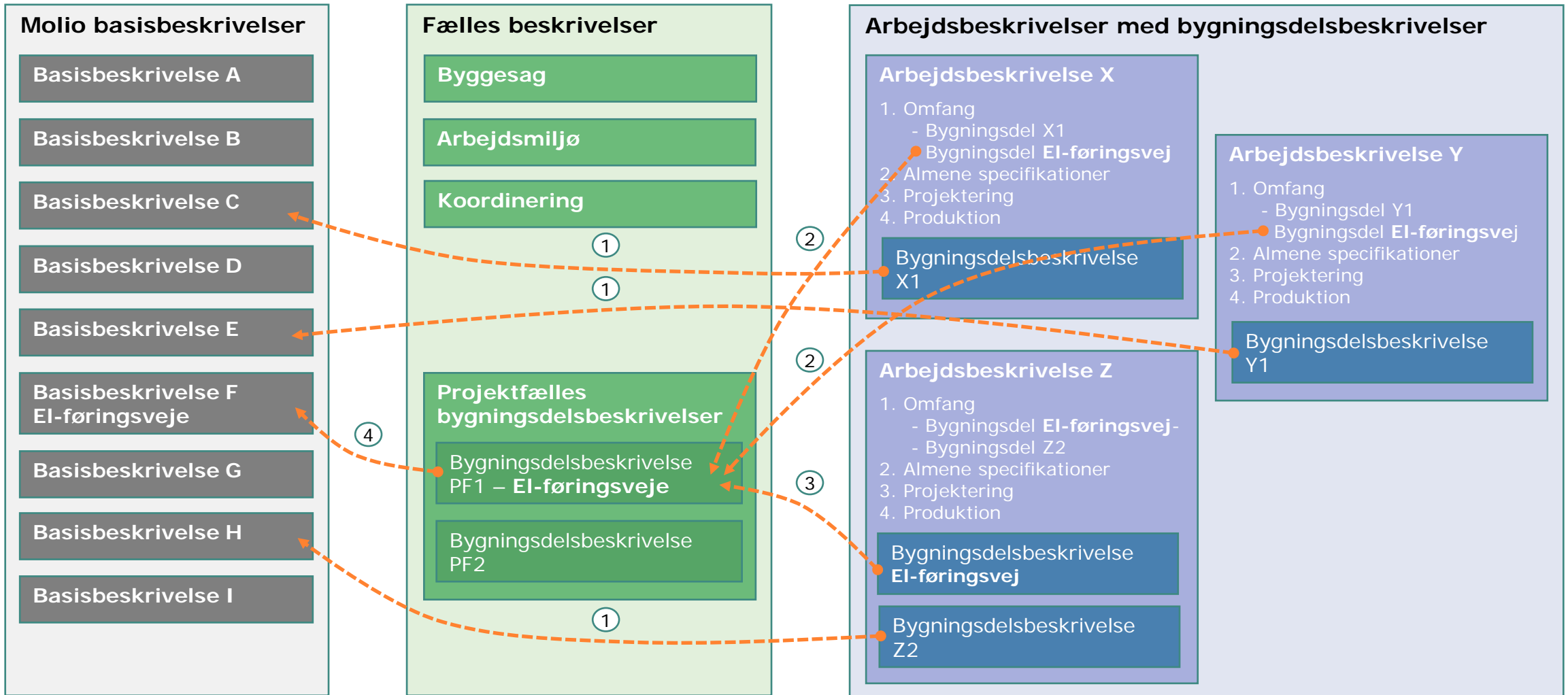


Figur 3 – : Arbejdsbeskrivelsers sammenhæng til 1) én eller flere basisbeskrivelser via indeholdte bygningsdelsbeskrivelser.



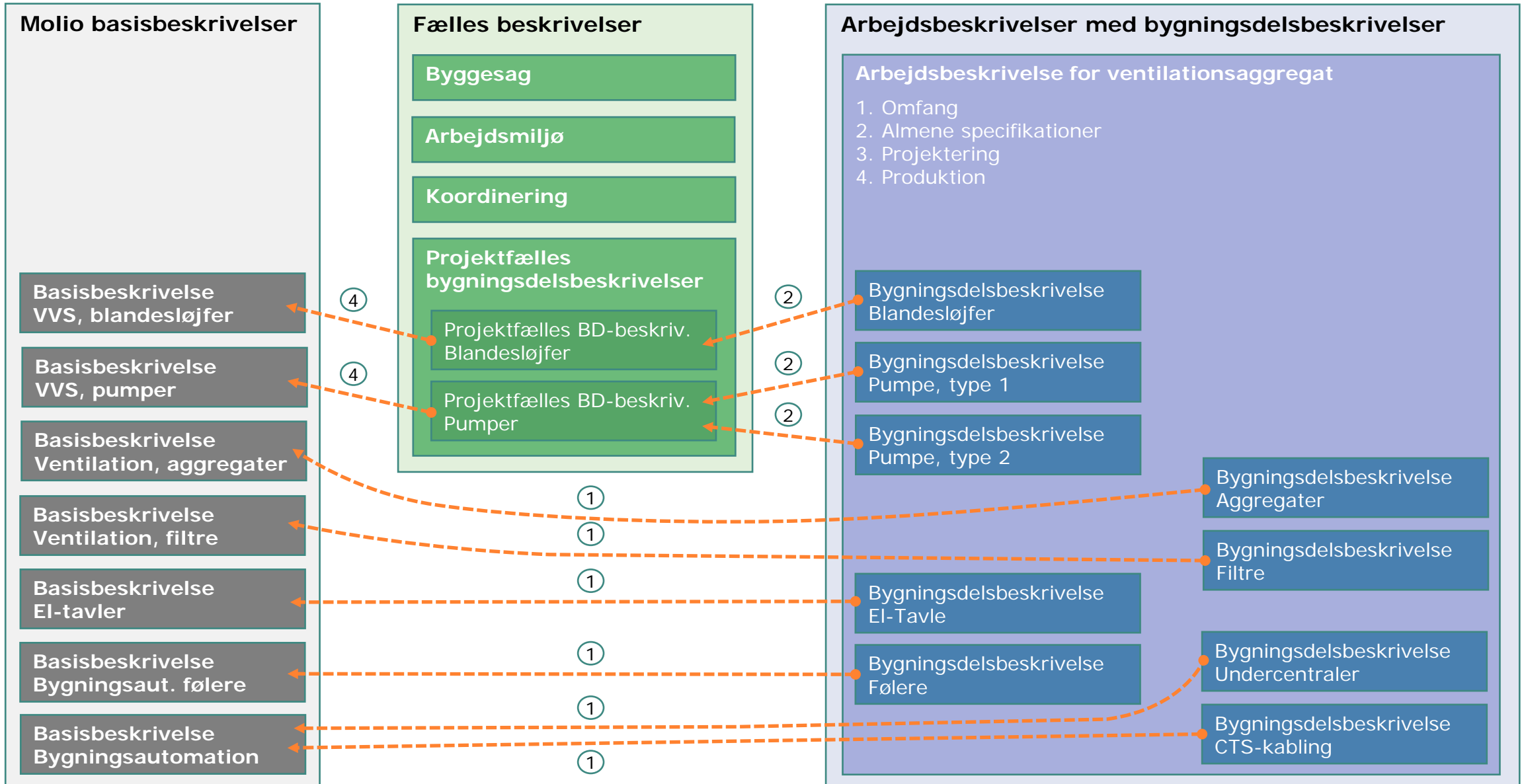
Figur 4 – Arbejdsbeskrivelser med bygningsdele som kan have direkte referencer til enten 1) fælles eller forskellige basisbeskrivelser eller til 2) projektfælles bygningsdelsbeskrivelser, der har 3) videre referencer til basisbeskrivelser.

Brug af projektfælles bygningsdelsbeskrivelser



Figur 5 – Eksempel på henvisning til projektfælles bygningsdelsbeskrivelser for EI-føringsveje brugt uden 2) og med modificering 3), som henviser til 4) basisbeskrivelsen.

Ventilationsaggregat – referencer, bygningsdelsbeskrivelser, alt. 1



Figur 6 – Bygningsdelsbeskrivelser kan referere til projektfælles bygningsdelsbeskrivelser eller direkte til basisbeskrivelser