

WALLS ON WOOD/METAL FRAME

Wall installation – overview

CEWOOD Panels with a thickness of 25, 35 or 50 mm are typically used for interior wall finishing. Panels can be mounted on a supporting frame made of wooden laths or steel CD profiles, depending on the installation conditions.

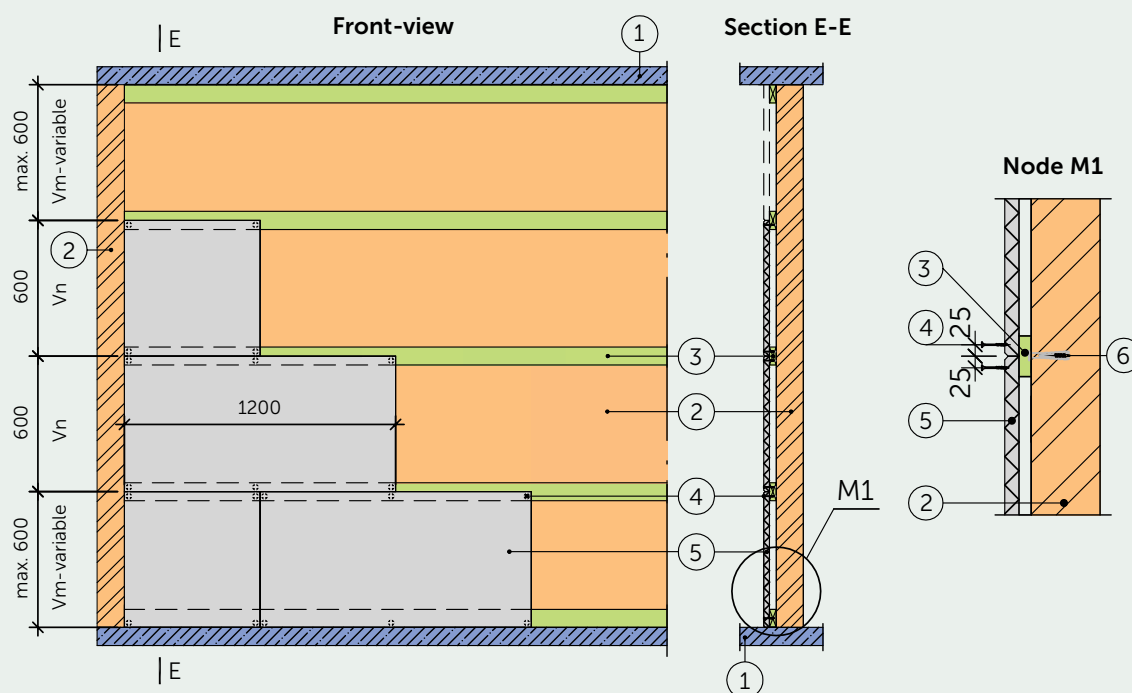
The selection of frame type and fastening method depends on several factors, including:

- the strength and material of the existing wall, and any deviations from vertical or horizontal alignment,
- the desired panel layout and design solution,
- the required load-bearing capacity and type of applied load.

- ⓘ If CEWOOD Panels are fastened with extra mineral wool onto the outer building structure elements, a vapor barrier film must be laid under CEWOOD Panels.

The frame construction consists of horizontally or vertically placed laths of 80x30 mm. This wooden structure can be used if it is not necessary to level the vertical or horizontal planes of the wall, or to achieve a significantly increased sound and heat insulation.

Horizontal fastening of wooden laths to the load-bearing wall structure

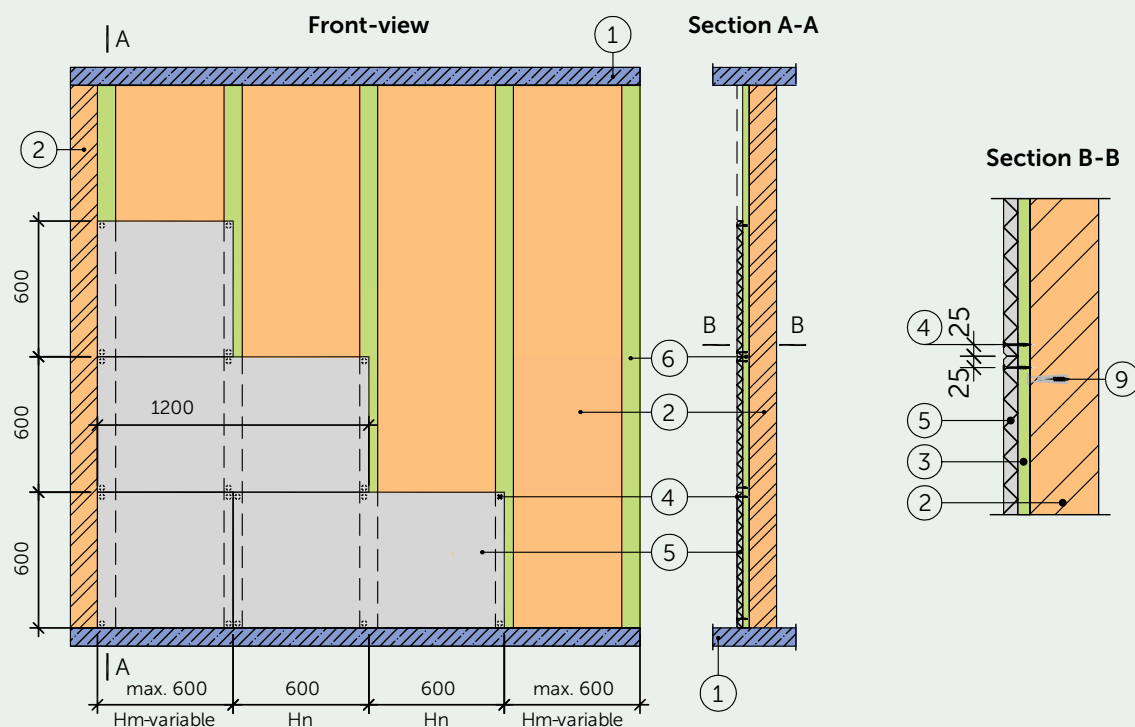


Explanation of numbering

1. Load-bearing slab or foundation structure
2. Wall structure
3. Assembly lath 80x30 mm. Step C/C-600 mm
4. CEWOOD screw
5. CEWOOD Panels
6. Fastening anchor

WALLS ON WOOD LATHING CONSTRUCTION

Vertical fastening of wooden laths to the load-bearing wall structure



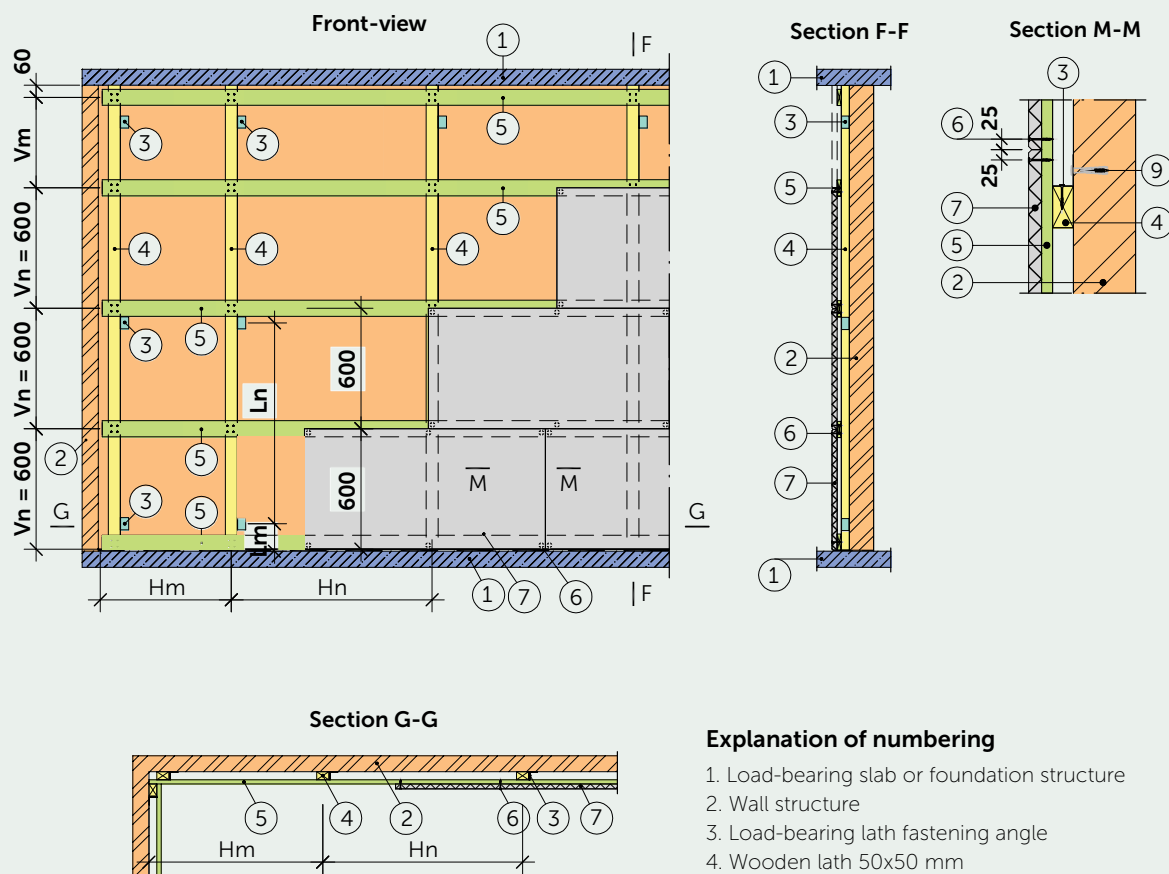
Explanation of numbering

1. Load-bearing slab or foundation structure
2. Wall structure
3. Assembly lath 80x30 mm. Step C/C-600 mm
4. CEWOOD screw
5. CEWOOD Panels
9. Fastening anchor

WALLS ON WOOD LATHING CONSTRUCTION

Double wood lath construction

The double frame can be chosen if it is necessary to straighten the wall plane deviations or to achieve a significant increase in wall sound or heat insulation level.



Explanation of numbering

1. Load-bearing slab or foundation structure
2. Wall structure
3. Load-bearing lath fastening angle
4. Wooden lath 50x50 mm
5. Assembly lath 80x30 mm. Step C/C-600 mm
6. CEWOOD screw
7. CEWOOD Panels
8. Fastening anchor

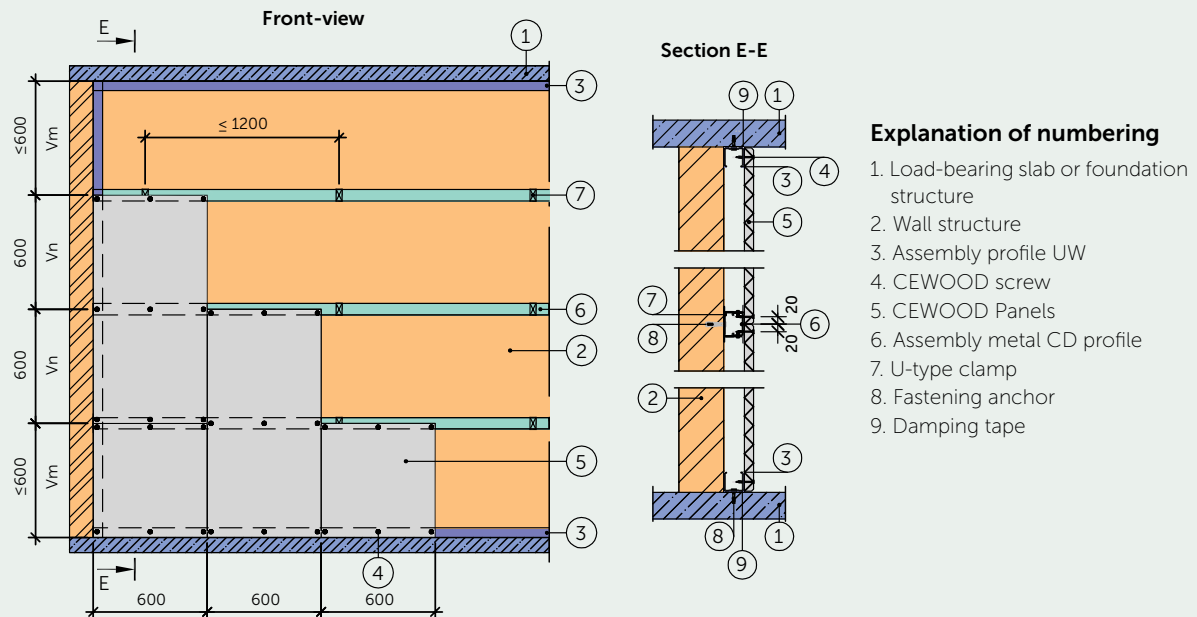
Maximum mounting distances between frame elements

CEWOOD Panel thickness	25 mm	35 mm	50 mm
Step between load-bearing laths Hm , mm	≤ 1000	≤ 1000	≤ 1000
Step between load-bearing laths Hn , mm	≤ 1000	≤ 1000	≤ 1000
Step between assembly laths Vm , mm	≤ 600	≤ 600	≤ 600
Step between assembly laths Vn , mm	600	600	600
Step between fastening elements Lm , mm	≤ 250	≤ 250	≤ 250
Step between fastening elements Ln , mm	≤ 1200	≤ 1000	≤ 800

WALLS ON CD PROFILE FRAME CONSTRUCTION

The frame construction consists of horizontally or vertically placed CD profiles. This metal frame structure can be used if it is not necessary to level the vertical or horizontal planes of the wall, or to achieve a significantly increased sound and heat insulation.

Horizontal fastening of metal CD profile frame to the load-bearing wall structure



Vertical fastening of metal CD profile frame to the load-bearing wall structure

