

LENO® - Fabrications drawings requirements

Inhalt

- Hints for panel partition
- Requirements for fabricaton drawings
- Leno fabrication drawings requirements
- Examples



Hints for Panel Partition

To reduce joints the area of walls should be divided into single panels each as large as possible.

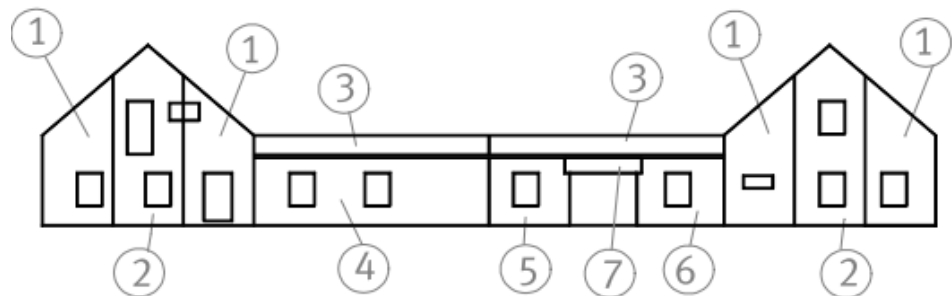
Thereby the construction has very low portion of slices. There is no grid to pay attention to, localisation of doors and windows do not depend on a special screen. There are no time-consuming and labor-intensive aspects such as where to place bricks or beams in timber-frame building. Because of the order based production of elements, the architect has to only pay attention to the maximum size of the elements or to the width for transport.

Maximum size of Leno panels: 4,50 x 14,50 (4,80 x 20,00 m on request) independent of direction of grain.

Width for transport: $b \leq 3,00$ m (max. length 14,50 m)
 $b \leq 3,70$ m (max. length 9,70 m)
 dimension beyond these limits causes exceptional transport
 (extra costs for administrative decisions, escorts, road blocking if needed, ...)

Example

Development of exterior Walls



COMPONENT 1:

To reduce waste two gable wall components are fabricated as one panel. (act with caution in case of visible surface)

COMPONENT 2:

Width of gable wall area is 9 m. Maximum width for transport is 3 m -> extra wall panel.

COMPONENT 3:

princess post as one panel. Fastening on ceiling panels with metal connectors.

COMPONENT 4:

Eave wall as one panel with cut outs for windows. Maximum width for transport is 3 m -> eave wall and princess post not as one panel.

COMPONENTS 5 + 6 + 7:

To reduce cutoffs use separate elements for lintel (7).



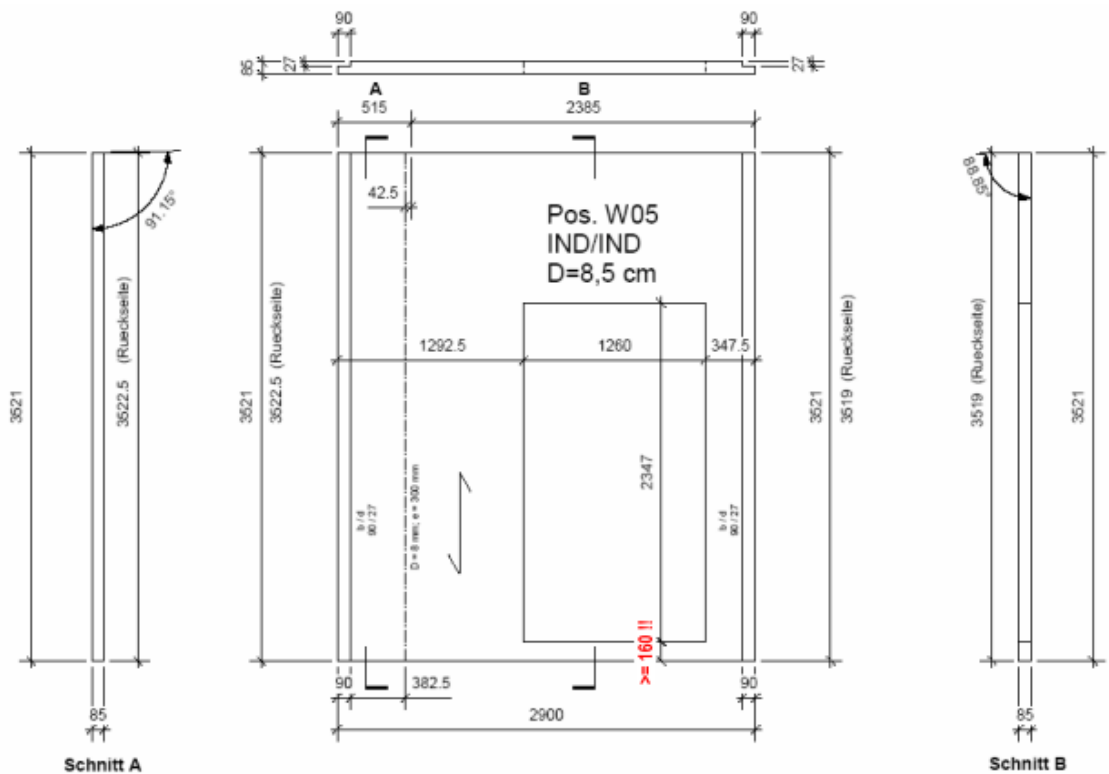
Requirements for fabrication drawings

The most important drawing for your building project are the component drawings. Illustrated below are a single floor, wall and roof panels, each one in scale as big as possible (e. g. 1/25). All needed information for production must be included.

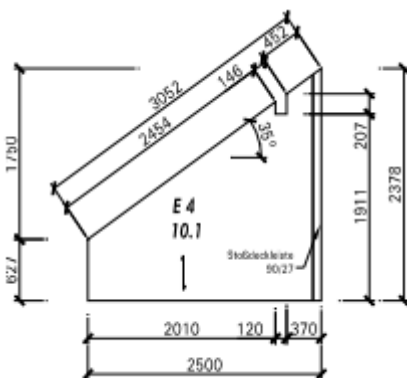
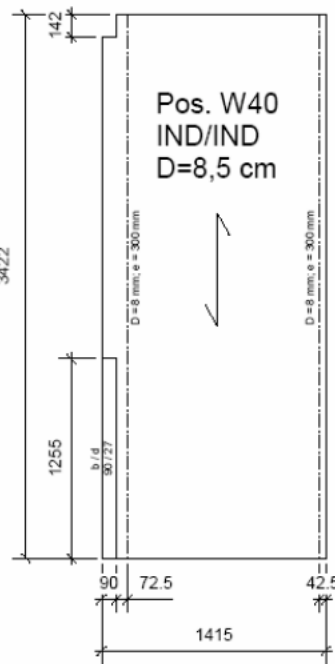
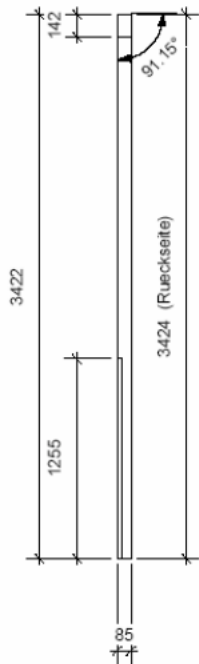
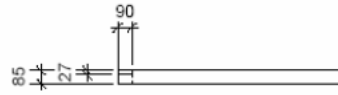
Check list:

- name/number of panel
- thickness/type of Leno cross section
- direction of the grain
- element measurements
- surface industrial/visible (one sided/both sided)
- detailed measurements for complete trimming work
- annotations to special details
- cuttings not rectangular to panel surface have to be illustrated by sections
- all measurements needed for quality inspection

Wall example



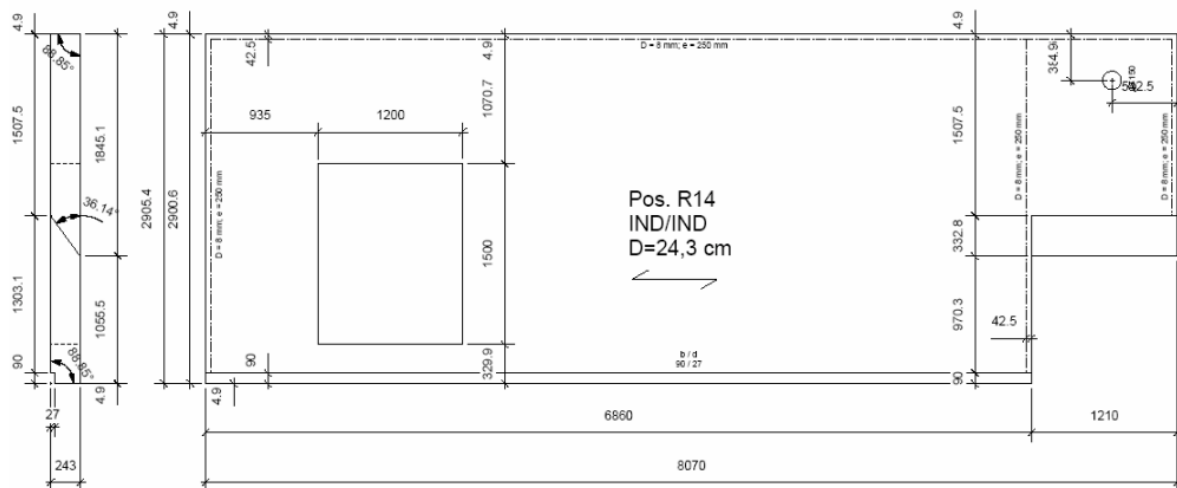
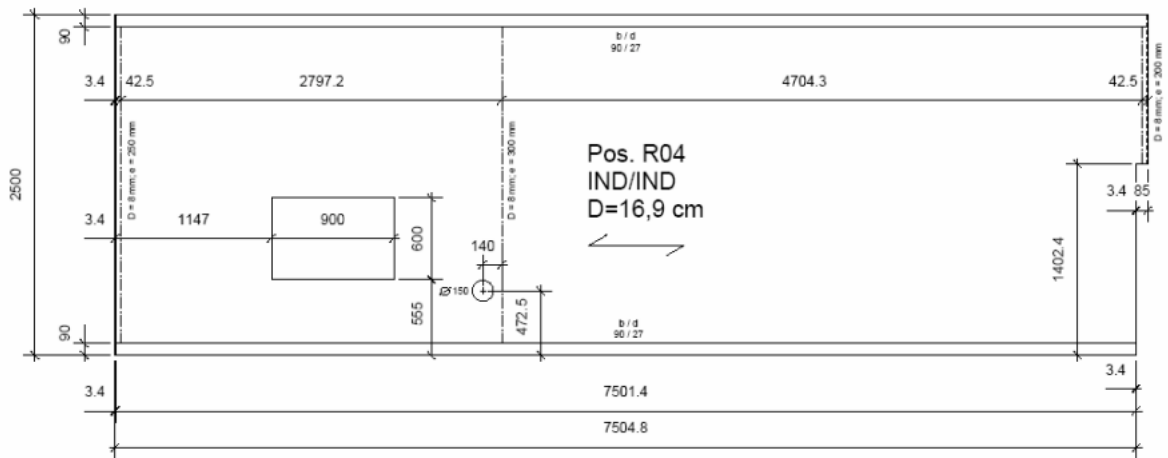
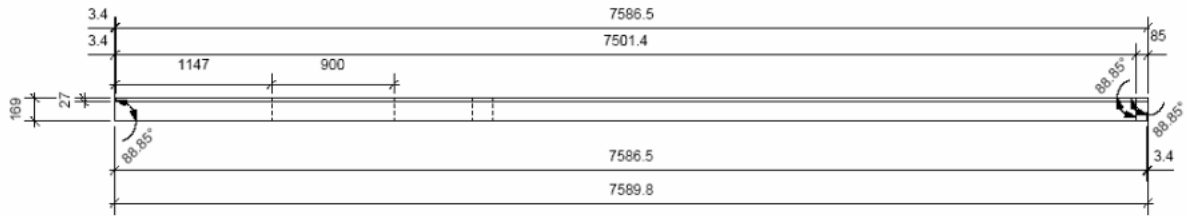
LENO Fabrication Drawings Requirements



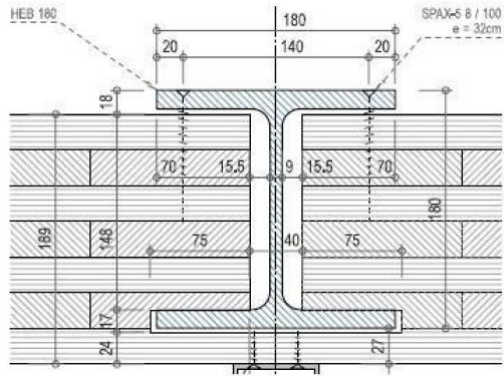
Especially for complicated geometric building components it is necessary, that enough measures for the control of building components are given.
At triangles the real length of edges must be pointed out.



Example Floor



Complicated details must be shown separate.
e. g.:



Also floor plans or 3D view of a building project are useful and help to keep the brought view on the project during the production.

Thank you for your effort.
Our support team will of course help you with any questions you might have

