



## ALTHEIM NEW BUILD *WIEHAG PRODUCTION HALL*

The WIEHAG complete solution consists of the bearing system and the building shell. Everything comes from WIEHAG: the GLT bearing system, the fixed supports, beams, purlins, connection systems and bracings. We can even take care of the façade design.

### TIMBER STRUCTURE:

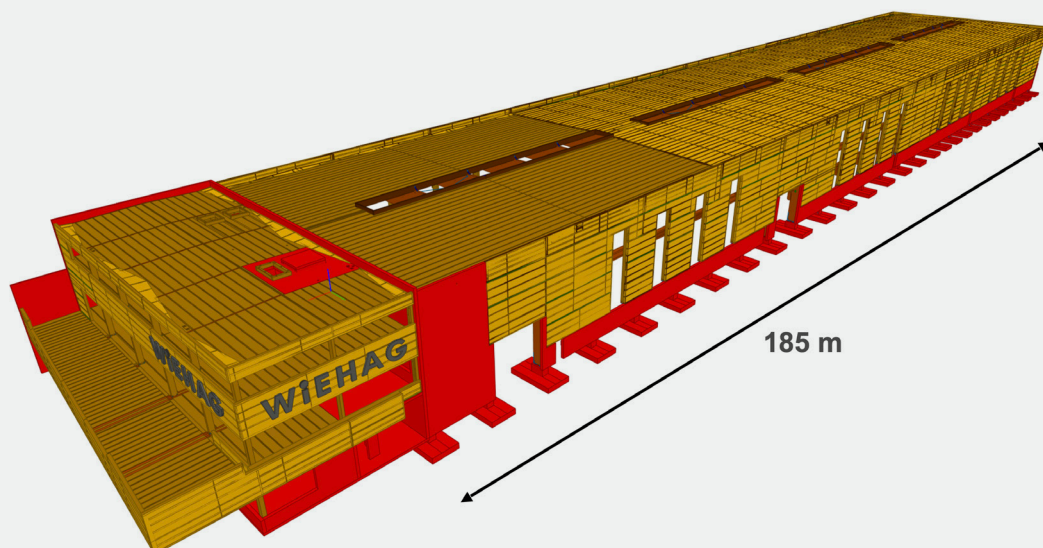
- 35.5 x 185.0 m external dimensions + 15.0 x 35.5 m office
- Supports fixed on one side, articulated columns on existing hall
- Reinforced along length of building by WIEHAG wood bracing
- Formation of the roof plate with Profidec and roof elements
- Skylight bars, façade bars and supports
- Craneway brackets and craneway beams

### STEEL PARTS:

- Articulated-column feet
- Single-axis fixed support feet
- WIEHAG steel bracing parts, slotted plates
- WIEHAG steel bracing



Fixed wooden supports and craneways



Photos with roof elements/Profidec + office building (shell)



## LOGISTICS HALL *FISCHAMEND*

### TIMBER STRUCTURE:

- External dimensions: 104 x 109.4 m
- Main support column grid: 17 x 23 m
- Overhead clearance: 18.25 m
- Cross supports
- Parallel and double tapered beams
- Purlin and reinforcement systems
- Profidec
- Roof and wall panels
- Larch wood façade

### STEEL PARTS:

- Fixed support feet
- Main-secondary beam connections
- Reinforcement connections
- Mezzanine – intermediate ceiling with Profidec elements
- 17 x 23 m support column grid with restriction of use
- Generously sized skylights



WIEHAG roof and wall panels with larch wood façade



## RIDING SCHOOL ROOF *GROSSARL*

### TIMBER STRUCTURE:

- External dimensions: 26.0 x 45.0 m
- Trussed parallel beams
- Wooden supports (articulated columns)
- Tension bars and struts
- Cross-laminated timber roof

### STEEL PARTS:

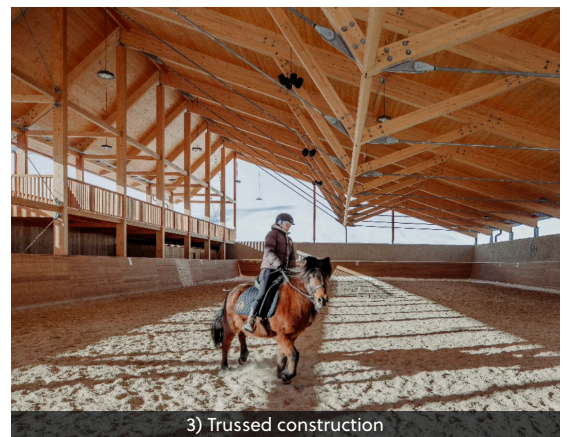
- Articulated-column feet
- HMR tie-bar system
- Connection hub
- WIEHAG steel bracing



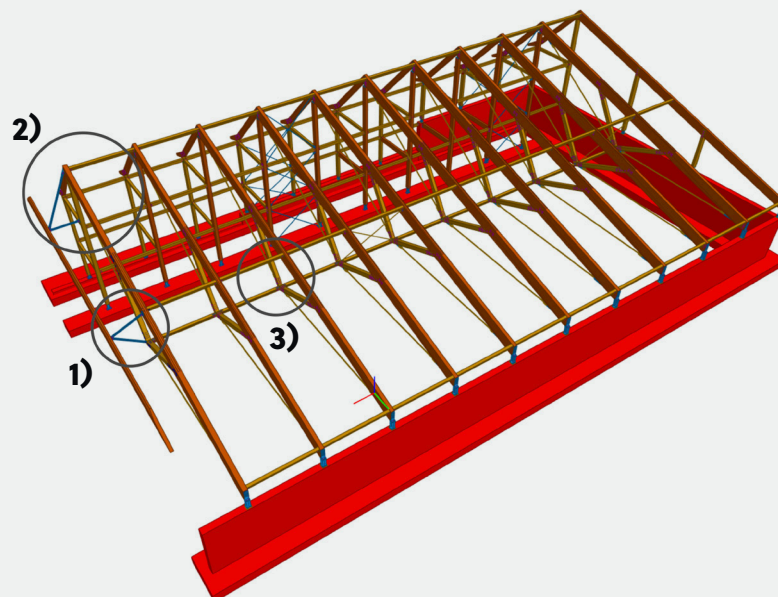
2) Spectator area with articulated columns



1) Gable support structure of struts and cross-laminated timber



3) Trussed construction





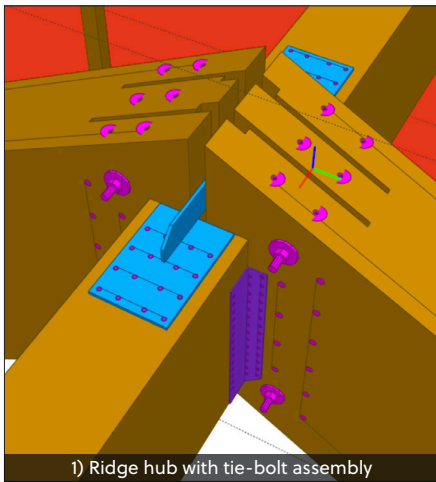
# HAY BARN TAUFKIRCHEN

**TIMBER STRUCTURE:**

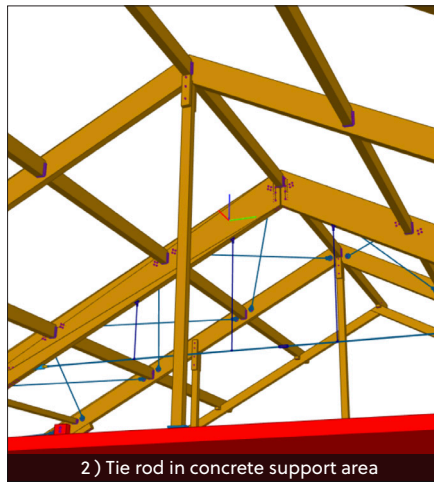
- External dimensions: 20.0 x 50.0 m (excluding 3.5 m projecting roof)
- Patented WIEHAG frame corner
- Integrated projecting roof
- Purlins and tension bars

**STEEL PARTS:**

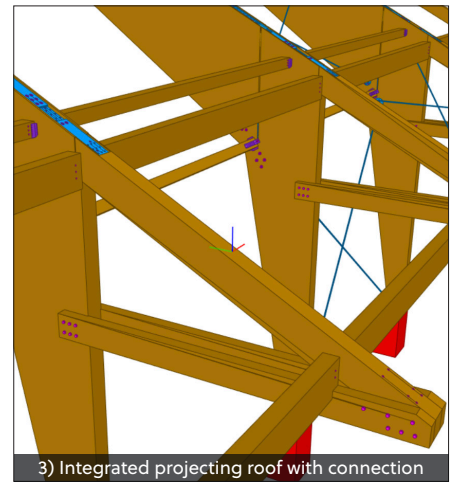
- WIEHAG frame corner
- WIEHAG wind bracing
- Articulated-column feet
- Tie-rod for frame in reinforced concrete support area



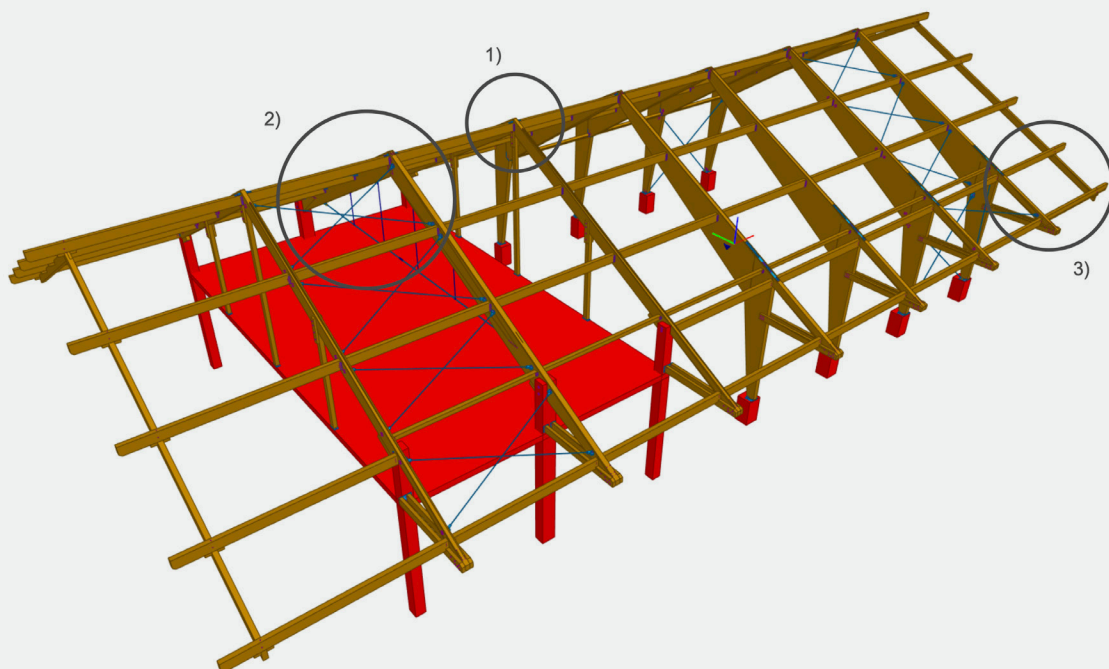
1) Ridge hub with tie-bolt assembly



2) Tie rod in concrete support area



3) Integrated projecting roof with connection





# LOGISTICS HALL KAISERSLAUTERN

**TIMBER STRUCTURE:**

- External dimensions: 50.0 x 120.0 m, ridge height 18.0 m
- Wooden supports (fixed in one axis and articulated columns)
- 50.0 m double tapered beams
- WIEHAG wood bracing
- Tension bars and purlins
- Entire construction executed in R30

**STEEL PARTS:**

- Articulated columns in gable side
- Single-axis fixed steel foot parts
- Steel bracing parts
- WIEHAG wood bracing
- Joist hangers and perforated plates

