

DETAIL

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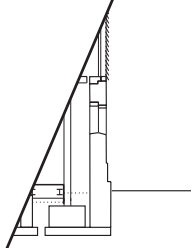
Artikel zur Ansicht / Article for perusal

Querschnitt Maßstab 1:400
 Cross-section scale 1:400

As part of the conversion work to create a German-Polish meeting place at Criewen Palace, a former sheep barn was transformed into a visitors' centre. Erected in 1820 as a single-storey brick structure, the barn was raised in height for use as a tobacco drying store. Prior to conversion, it was in a ruinous state: the walls were damp, and the entire internal timber construction and the roof had to be removed. The architects inserted the new steel structure within the existing fabric, leaving

a space between the new and existing building. The existing brick walls and concrete floor were retained. The external walls were raised above the existing level, giving a new height to the building.

The windows are double-glazed. The louvres on the ground floor, in addition to the double-glazed windows, can be regulated by actuators to prevent condensation from forming. The louvres can be regulated by actuators to prevent condensation from forming. A radiant heating system in the hall is concealed beneath the 45-metre-long wattle facade. The wattle facade lends the barn its identity for the new building and provides protection against driving rain as a light filter.



Details

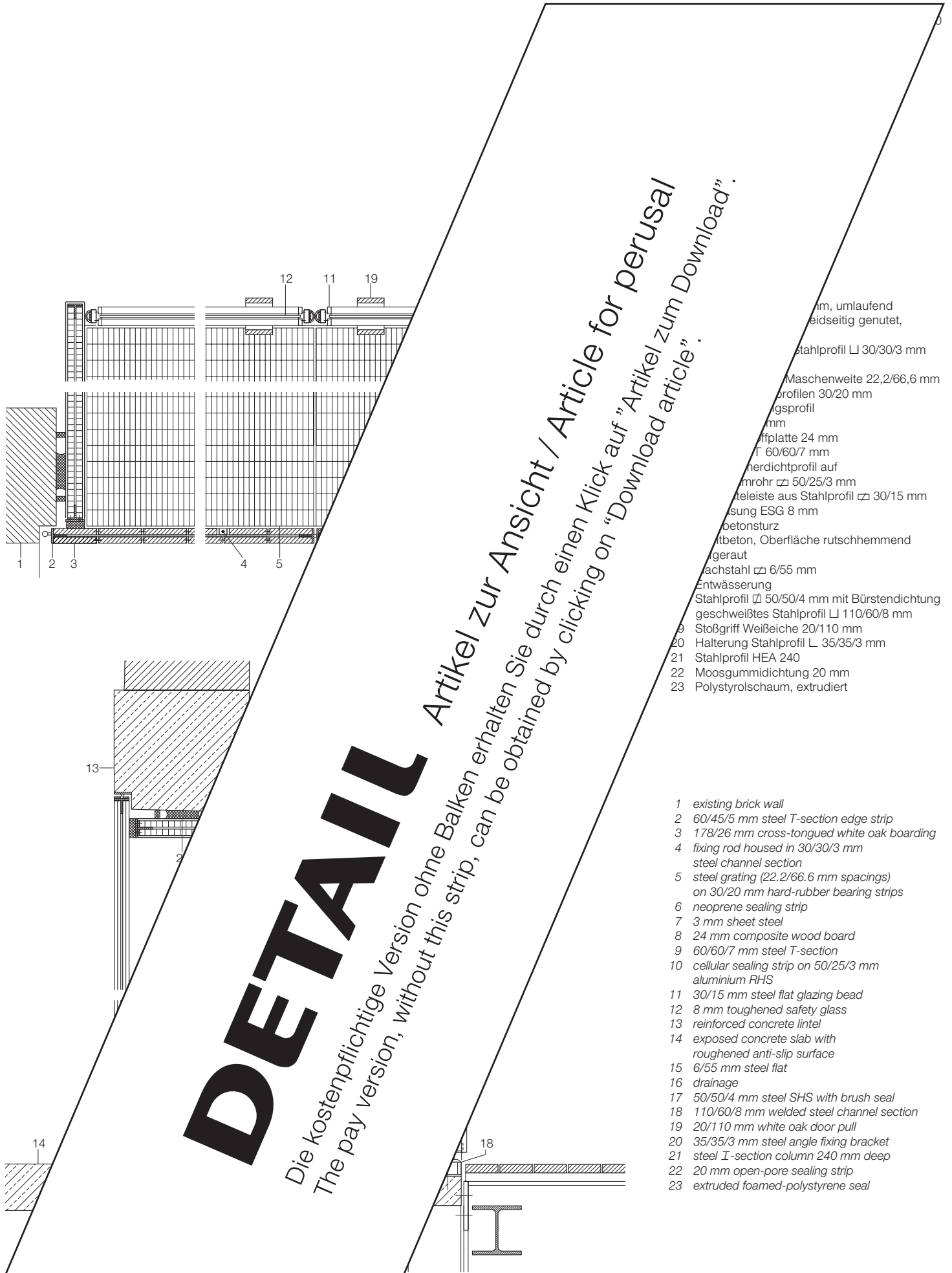
Detailschnitt Maßstab 1:20

- 1 Dachaufbau:
 Zinkblech auf Bitumendichtungsbahn
 Rauspundschalung 28 mm
 Sparren 240/160 mm
 Mineralfaserdämmung 160 mm
 Dampfsperre PE-Folie
 Furniersperrholz Buche 18 mm
- 2 Stahlträger HEA 140
- 3 Pfetten beplankt mit Furniersperrholz
- 4 Stahlprofil HEA 240
- 5 Stahlprofil HEA 180 A
- 6 Holzlamellen (Bestand)
- 7 Rahmen aus Stahlprofil
- 8 Flachstahl 50/10 mm
- 9 Flechtwerk aus Weiden
- 10 umlaufender Gitterrost
- 11 Mauerwerk (Bestand)
- 12 Nebenträger Stahl
- 13 Hauptträger Stahl
- 14 Dielen, Weißbeiche
- 15 Wandaufbau Sanitär:
 Faserzementplatte
 Wärmedämmung
 wasserbeständige
 Steinzeugplatte
- 16 Bodenauflage:
 Steinzeugplatte
 Holzwerkstoff
 Trittschallmatte
 Holzwerkstoff
 Holzwerkstoff

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ings
 (m spacings)
 mm deep
 deep
 ing
 y box:
 ng on 13 mm chipboard
 ulation
 d board with sealing coat
 s, adhesive fixed
 sanitary box:
 les, adhesive fixed
 site wood board
 und insulating mat
 iber studding
 site wood board on firrings



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- 1 existing brick wall
- 2 60/45/5 mm steel T-section edge strip
- 3 178/26 mm cross-tongued white oak boarding
- 4 fixing rod housed in 30/30/3 mm steel channel section
- 5 steel grating (22,2/66,6 mm spacings) on 30/20 mm hard-rubber bearing strips
- 6 neoprene sealing strip
- 7 3 mm sheet steel
- 8 24 mm composite wood board
- 9 60/60/7 mm steel T-section
- 10 cellular sealing strip on 50/25/3 mm aluminium RHS
- 11 30/15 mm steel flat glazing bead
- 12 8 mm toughened safety glass
- 13 reinforced concrete lintel
- 14 exposed concrete slab with roughened anti-slip surface
- 15 6/55 mm steel flat
- 16 drainage
- 17 50/50/4 mm steel SHS with brush seal
- 18 110/60/8 mm welded steel channel section
- 19 20/110 mm white oak door pull
- 20 35/35/3 mm steel angle fixing bracket
- 21 steel I-section column 240 mm deep
- 22 20 mm open-pore sealing strip
- 23 extruded foamed-polystyrene seal

- 24 8 mm, umlaufend
zweiseitig genietet,
- 25 Stahlprofil LJ 30/30/3 mm
- 26 Maschenweite 22,2/66,6 mm
- 27 Profilen 30/20 mm
- 28 Tragsprofil
- 29 3 mm
- 30 Holzplatte 24 mm
- 31 T 60/60/7 mm
- 32 Dichtungprofil auf
- 33 Rohr \varnothing 50/25/3 mm
- 34 Stange aus Stahlprofil \varnothing 30/15 mm
- 35 Befestigung ESG 8 mm
- 36 Betonsturz
- 37 Beton, Oberfläche rutschhemmend
- 38 geraut
- 39 Flachstahl \varnothing 6/55 mm
- 40 Entwässerung
- 41 Stahlprofil \varnothing 50/50/4 mm mit Bürstendichtung
- 42 geschweißtes Stahlprofil LJ 110/60/8 mm
- 43 Stoßgriff Weißbeiche 20/110 mm
- 44 Halterung Stahlprofil L 35/35/3 mm
- 45 Stahlprofil HEA 240
- 46 Moosgummidichtung 20 mm
- 47 Polystyrolschaum, extrudiert