




ASBN / Herbert Gruber



StrohNatur e.G (cooperative)
asbn – austrian strawbale network (non profit organisation)

www.strohnatur.at
www.baubiologie.at



**Virtual Building Site
Ravelsbach, Lower Austria
Workshops & STEP training**

ASBN – baubiologie.at / ESBA – strawbale.training



asbn - since 2008 workshops

Infill-wall for 2 techniques, prefab: double-post & CUT, vault, clay plaster & preparation

www.baubiologie.at



Practical Building Sites for STEP training

ASBN – baubiologie.at/workshops

Strohnatur – strohnatur.at (EN/DE)



Building Site Workshop Ernstbrunn 2018 /Austria
Straw Bale Infill, Sb-roof, Clay Plaster, Wooden Cladding & Roof



Building Site Workshop Ernstbrunn 2018 /Austria
Straw Bale Infill, Sb-roof, Clay Plaster, Wooden Cladding & Roof



Building Site Workshop Summerau 2018 /Austria
Straw Bale Infill, Clay Plaster, Wooden Cladding



Building Site Workshop Summerau 2018 /Austria
Straw Bale Infill, Clay Plaster, Wooden Cladding



**Building Site Workshop Wolfgangsee 2018 /Austria
Straw Bale Infill, Clay Plaster, Wooden Cladding**



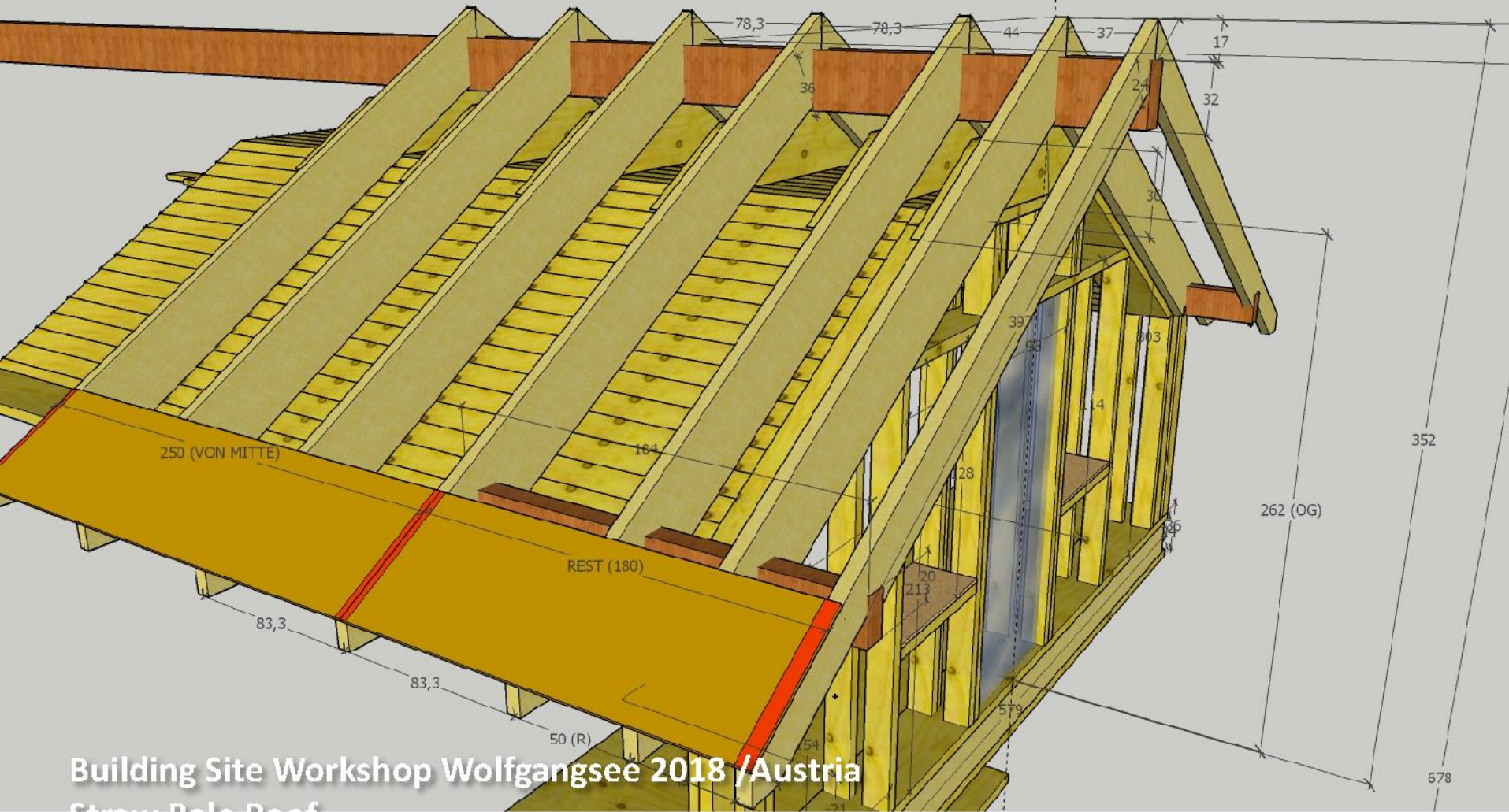
**Building Site Workshop Wolfgangsee 2018 /Austria
Straw Bale Baseplate on Screw Foundation**



Building Site Workshop Wolfgangsee 2018 /Austria
Straw Bale Baseplate on Screw Foundation



Workshop straw bale roof: 36 cm rafters in 50 cm space filled with bales
inside: planks + reed + plaster OR 4 cm wood, outside: DWD + ventilation area + tiles



Building Site Workshop Wolfgangsee 2018 /Austria
 Straw Bale Roof



Building Site Workshop Fertőuljak 2018 / Hungary
Straw Bale Infill, Clay Plaster, Lime Plaster



Building Site Workshop Fertöuljak 2018 / Hungary
Straw Bale Infill, Clay Plaster, Lime Plaster



Building Site Workshop St. Georgen in Lavanttal 2019 /Carinthia/Austria
Straw Bale Infill, Clay Plaster, Reciprocal Roof (with Okambuva)



Building Site Workshop St. Georgen in Lavanttal 2019 / Carinthia/Austria
Straw Bale Infill, Clay Plaster, Reciprocal Roof (with Okambuva)



STEP training Loadbearing Straw Bale

ASBN – baubiologie.at / ESBA – strawbale.training



**STEP Loadbearing Workshop Valencia 2018 /Spain
in cooperation with Alejandro Lopez, Okambuva**

A close-up photograph showing a person's hands in blue work gloves using a wooden tool to handle a large bale of straw. The person is wearing a dark blue long-sleeved shirt. The straw is golden-brown and appears to be part of a large bale. The background is bright and slightly out of focus, suggesting an outdoor setting.

STEP training Wrapping Methods

ASBN – baubiologie.at / ESBA – strawbale.training



Wrapping Workshop Ravelsbach 2019 /Austria
Straw Bale + Palletts + Planks, + Battens + Boards + Screws



Workshop straw bale wrapping: facade with planks (4 cm space)
reed stucco, Vienna



Workshop straw bale wrapping: facade with battens (4-8 cm space) space filled with clay-lime (5-10% lime), no reed stucco





Workshop straw bale wrapping: facade with battens (4-8 cm space) space filled with clay-lime (5-10% lime), no reed stucco





STEP training Finishes (Plaster & Cladding)

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STEP Finishes: Clay & Lime Plaster
Rammed Earth, Cob, Lime Putty, Lime Wash, Edelputze, Tadelakt



STEP Finishes: Clay & Lime Plaster

Roof extension (attic) with straw bale vault Ravensbach

OrganiCut, Herbert Gruber, ASBN



STEP Finishes: coloured Edelputze (special Fine Plasters)



STEP Finishes: Kalkspachtel (special Fine Lime Plasters)

Cob-Mixing



Experiments:

**Foamglass Foundation
Straw Flakes in Pallettes**

ASBN – baubiologie.at/workshops


Strohnatur – strohnatur.at (EN/DE)



Foamglass filled Earth Bags
as Perimeter Insulation and Foundation



**Pallette Walls filled with Straw Flakes
for Bathroom Addition**



**Research/Demo Vivihouse:
Prefab Modules
for 5storey buildings**

ASBN – baubiologie.at / vivihouse.cc



Vivihouse prefab modules,
Preplastered with Clay and Lime



Vivihouse prefab modules
on Maker Faire Vienna 2018



Vivihouse prefab modules
on Maker-Faire Vienna 2018





Jump! Project: Training for Change

ASBN – baubiologie.at / trainingforchange.eu



New ways of Training, new ways of Building
with awareness, trust, cooperation, empathy, ...



Jump! Meeting at CAT / Wales
Spring 2019



Thank you for watching
Herbert Gruber

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