

EuroPHit_OP24_ZEPHIR_La Provvidenza_Italy

ROEA Eaves detail for masonry wall

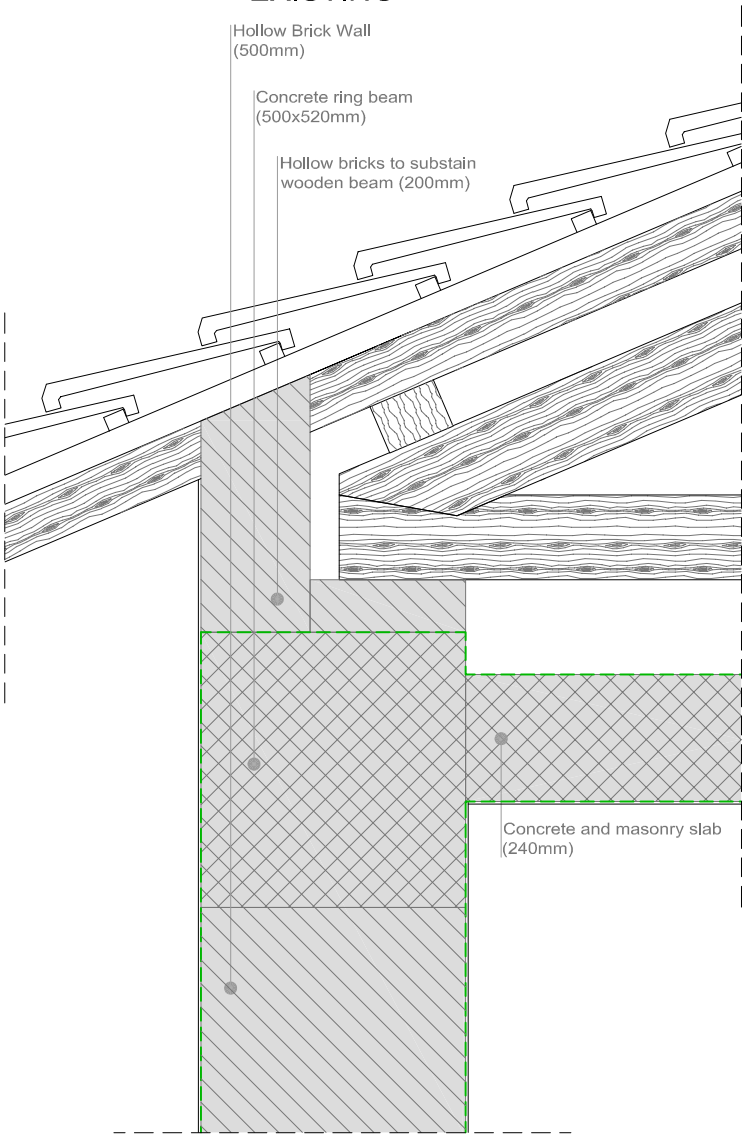
Scale 1:10 @ A4

Author ZEPHIR

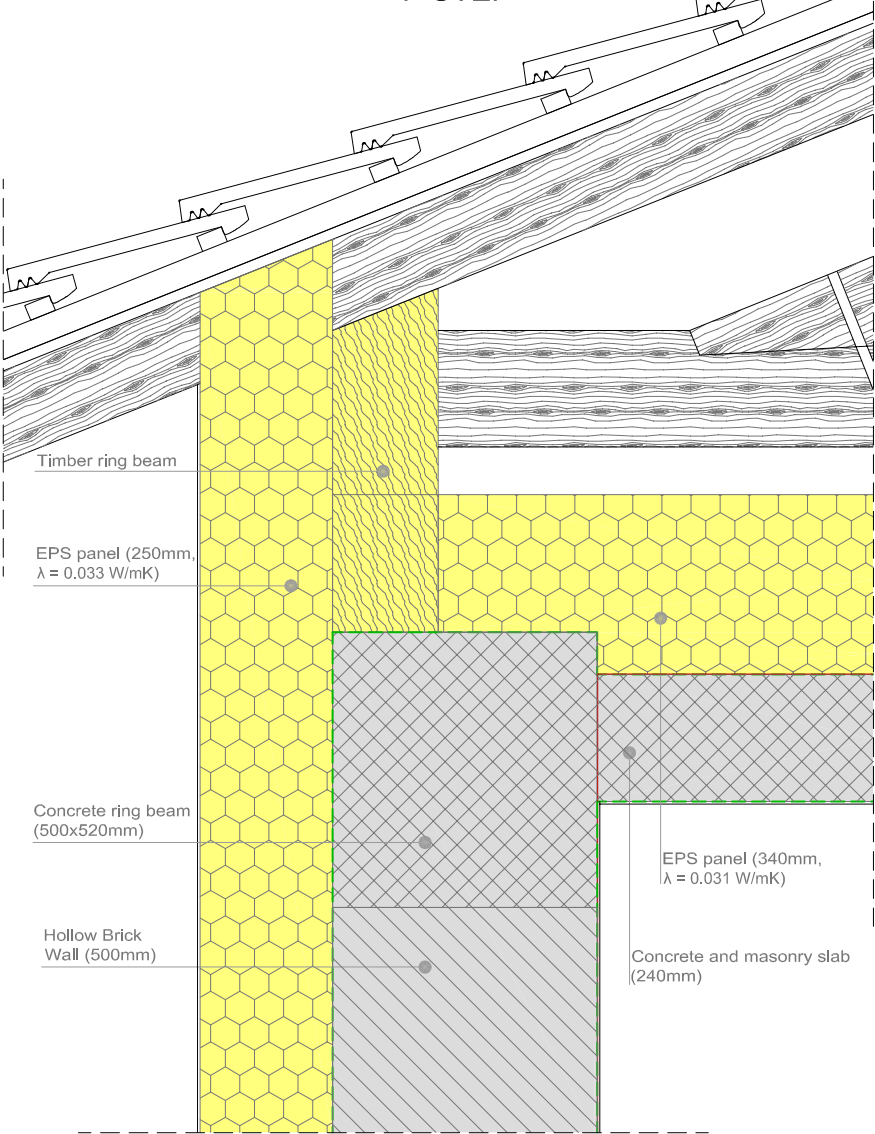
Date 04.03.2016



EXISTING



1 STEP



COLOR CODE

Existing building

Step 1

Step 2

Step 3

Step 4

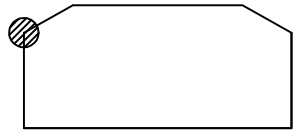
temporary works
(in between steps)

remaining building
structure

Airtight layer

DESCRIPTION/CHALLENGES

On the existing concrete and masonry slab, the airtight layer was restored through poured in place concrete. On the wall a new layer of interior plaster has been applied in order to guarantee the same function. The entire wooden roof was removed and rebuilt to minimize the thermal bridge. The thickness of the timber ring beam was reduced in order to reduce the interruption of the insulation layer.



Co-funded by the Intelligent Energy Europe Programme of the European Union

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EuroPHit

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ROEA Eaves detail for masonry wall - THERM

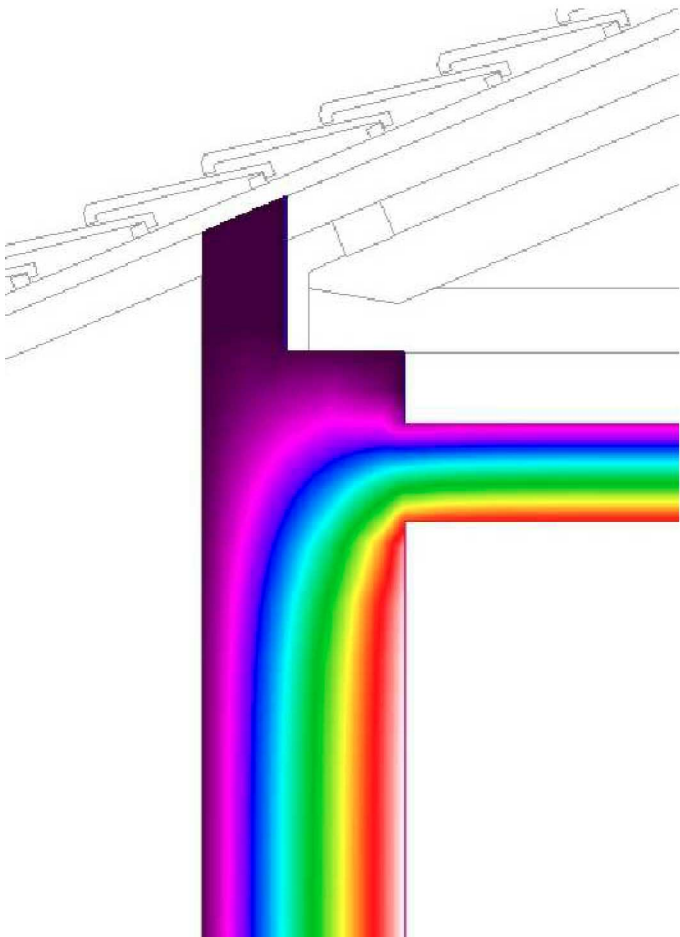
Scale 1:10 @ A4

Author ZEPHIR

Date 04.03.2016

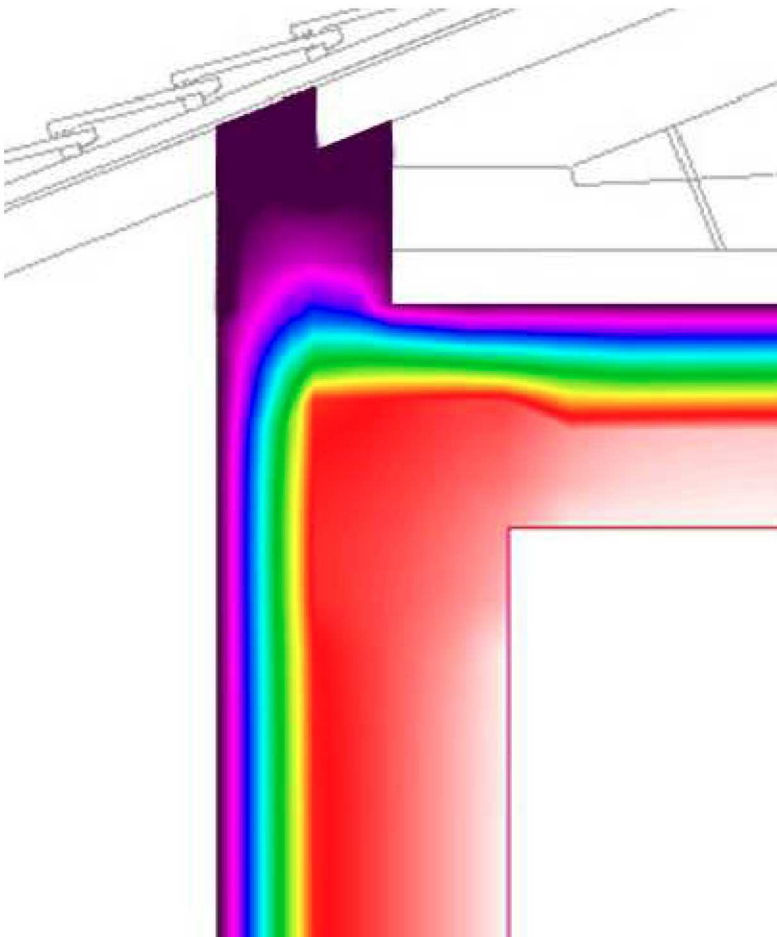


EXISTING



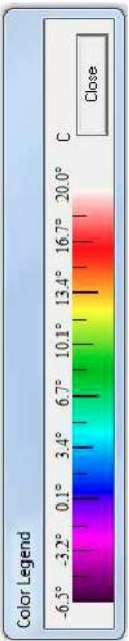
L2D = 8,541 W/mK
 $\Psi = -0,219$ W/mK

FINAL STEP



L2D = 0,7276 W/mK
 $\Psi = 0,024$ W/mK

COLOR CODE



DESCRIPTION/CHALLENGES

On the existing concrete and masonry slab, the airtight layer was restored through poured in place concrete. On the wall a new layer of interior plaster has been applied in order to guarantee the same function. The entire wooden roof was removed and rebuilt to minimize the thermal bridge. The thickness of the timber ring beam was reduced in order to reduce the interruption of the insulation layer.




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ROEA Eaves detail for masonry wall - Site photo

Scale	-	
Author	ZEPHIR	
Date	04.03.2016	

BEFORE

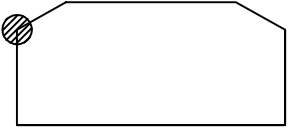


AFTER



DESCRIPTION/CHALLENGES

On the existing concrete and masonry slab, the airtight layer was restored through poured in place concrete. On the wall a new layer of interior plaster has been applied in order to guarantee the same function. The entire wooden roof was removed and rebuilt to minimize the thermal bridge. The thickness of the timber ring beam was reduced in order to reduce the interruption of the insulation layer.



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