

EuroPHit_OP24_ZEPHIR_La Provvidenza_Italy

BWEJ Concrete columns on the basement floor slab

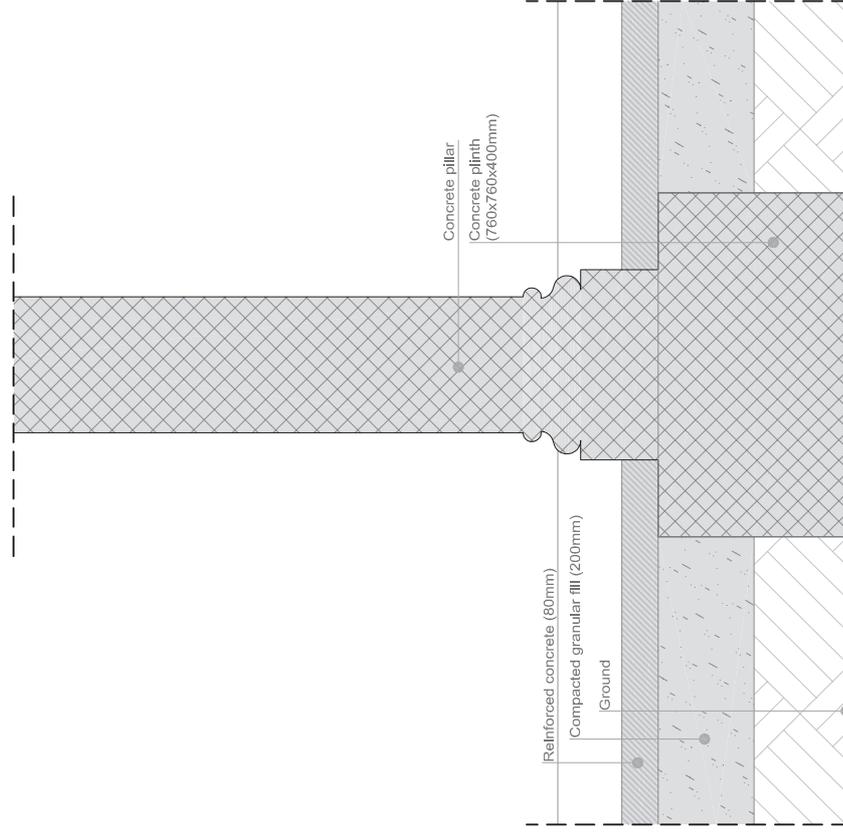
Scale
1:15 @ A4

Author
ZEPHIR

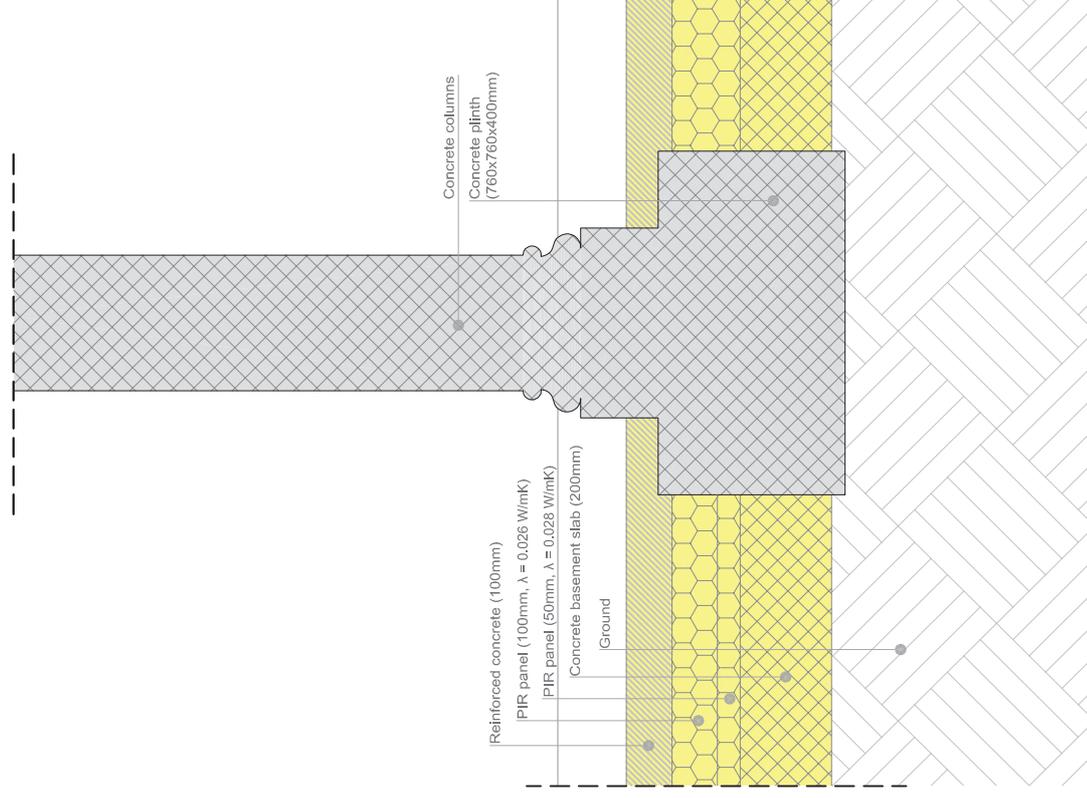
Date
29.03.2016



EXISTING



1 STEP



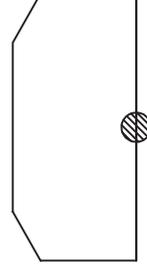
COLOR CODE



Airtight layer

DESCRIPTION/CHALLENGES

The existing concrete slab was taken off and replaced adding PIR insulation. In the refurbishment step, it was impossible to remove completely the thermal bridge in correspondence of the structural columns, so the purpose has been to minimize it. The absence of mould and condensation formation has been verified.

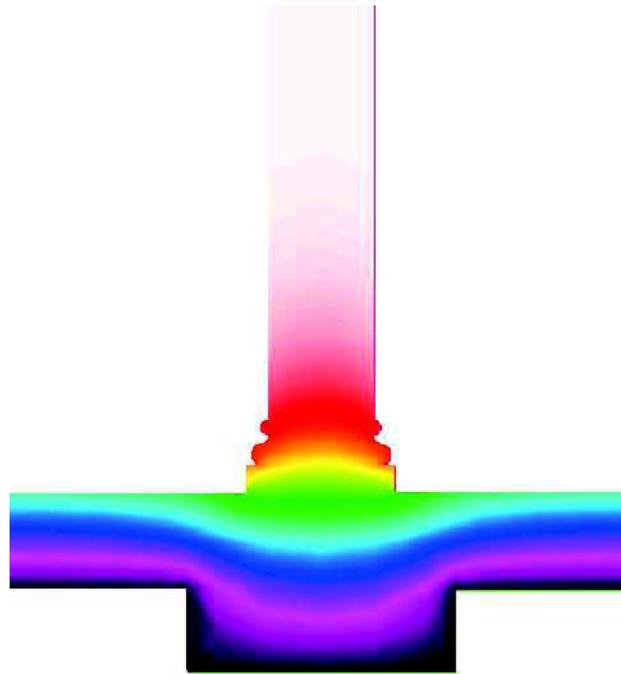


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EuroPHit

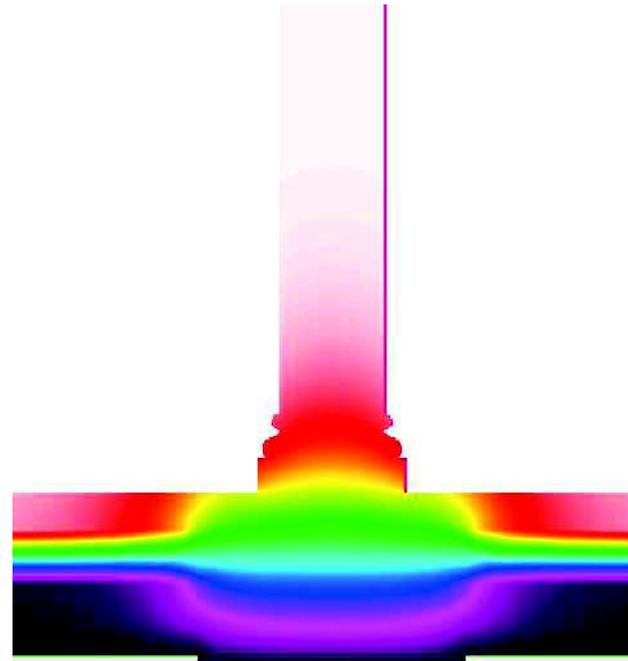
EXISTING



L2D = 13,6797 W/mK

$\Psi = -0,063$ W/mK

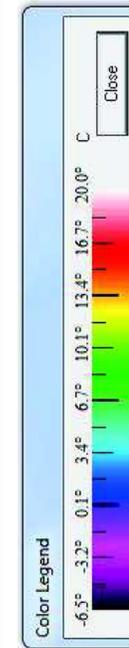
FINAL STEP



L2D = 3,1788 W/mK

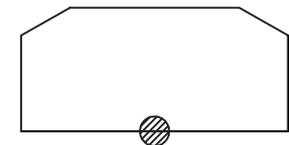
$\Psi = 2,488$ W/mK

COLOR CODE



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BEFORE



Foto@Studio Bombasaro

AFTER



Foto@Studio Bombasaro

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Foto@Studio Bombasaro



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