

EuroPHit_OP24_ZEPHIR_La Provvidenza_Italy

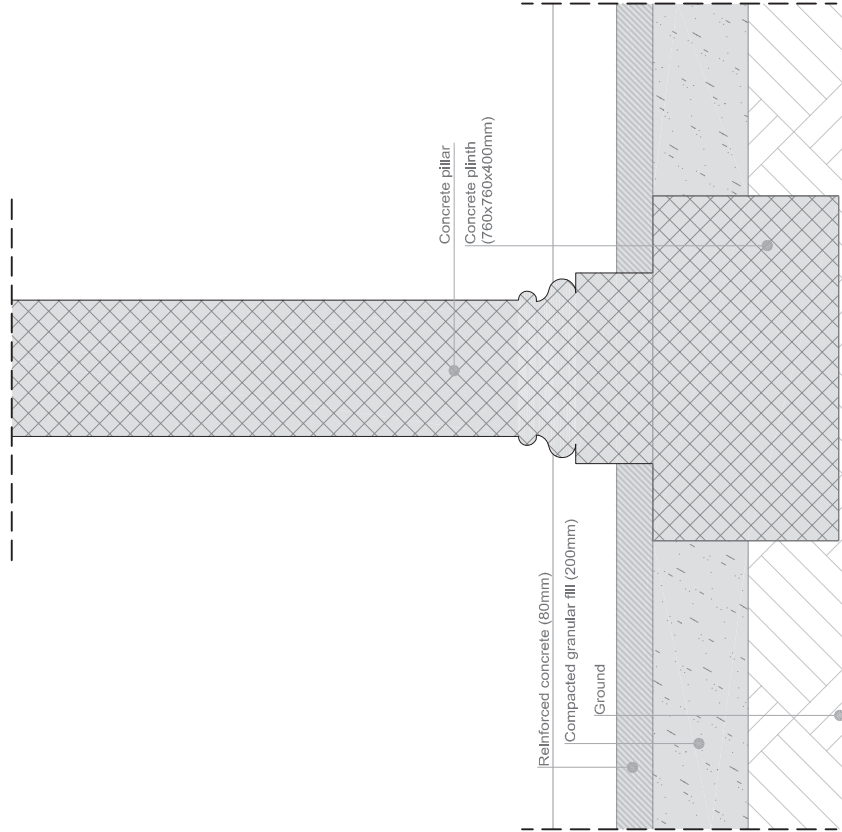
Scale
Author
Date

1:15 @ A4
ZEPHIR
29.03.2016

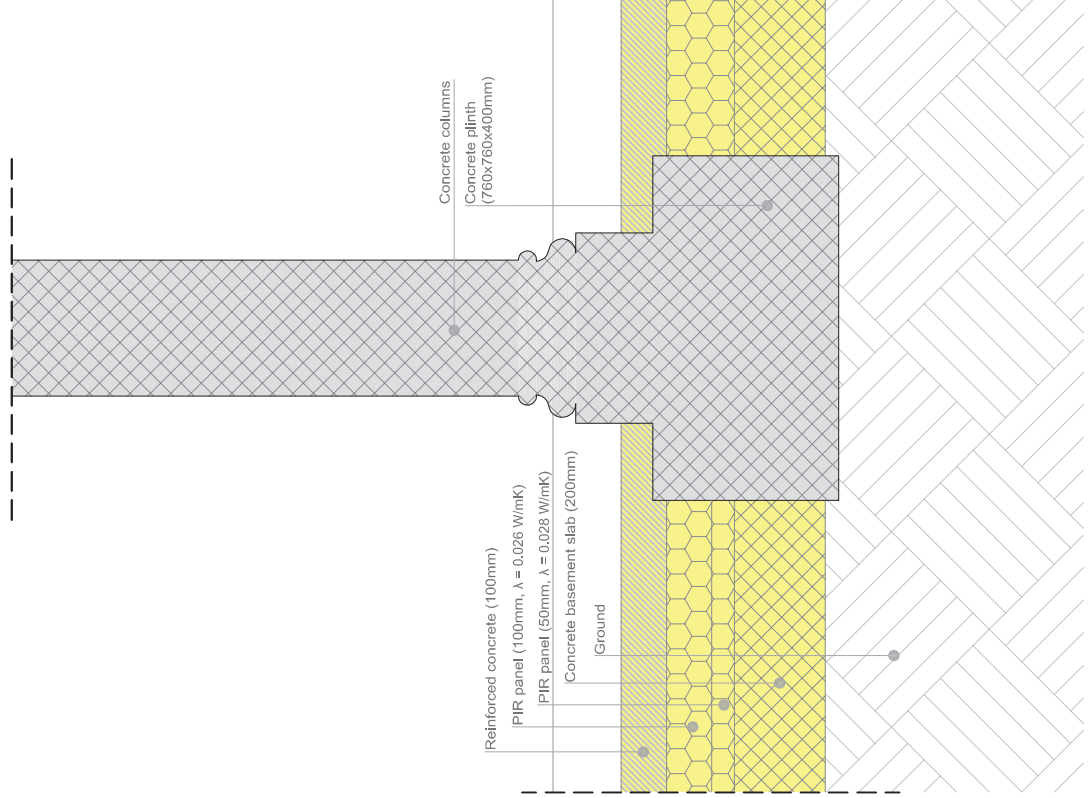


BWEJ Concrete columns on the basement floor slab

EXISTING



1 STEP



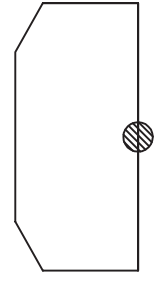
COLOR CODE

- Existing building
- Step 1
- Step 2
- Step 3
- Step 4

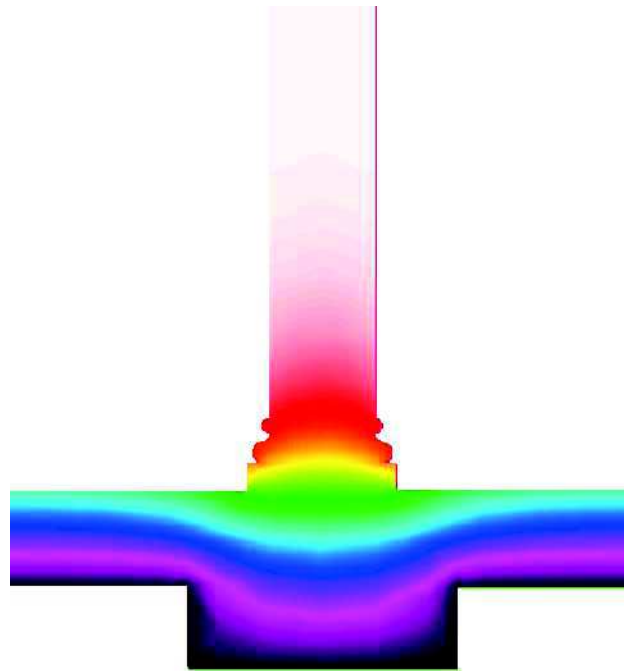
Airtight layer

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.



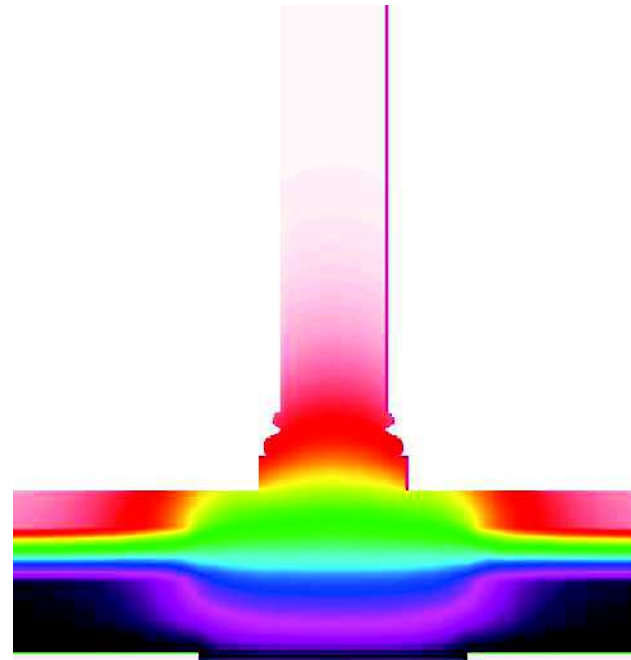
EXISTING



L2D = 13,6797 W/mK

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

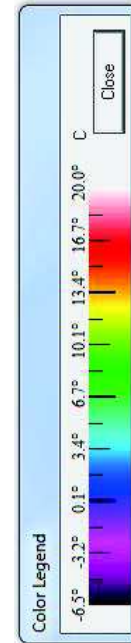
FINAL STEP



L2D = 3,1788 W/mK

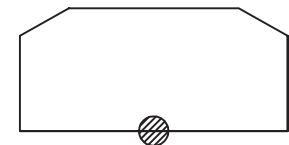
$\Psi = 2,488$ W/mK

COLOR CODE



DESCRIPTION/CHALLENGES

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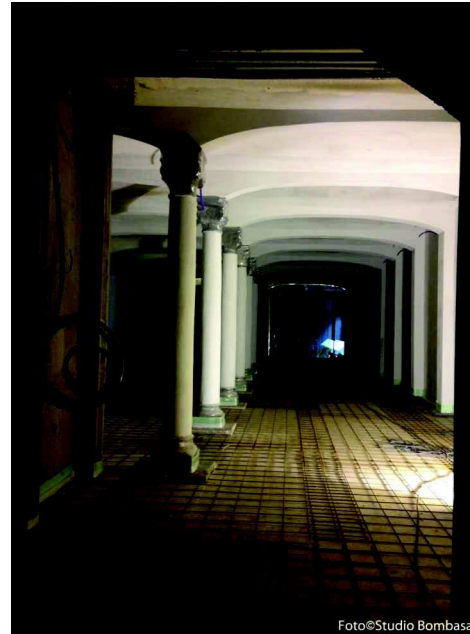


BEFORE



Foto@Studio Bombasaro

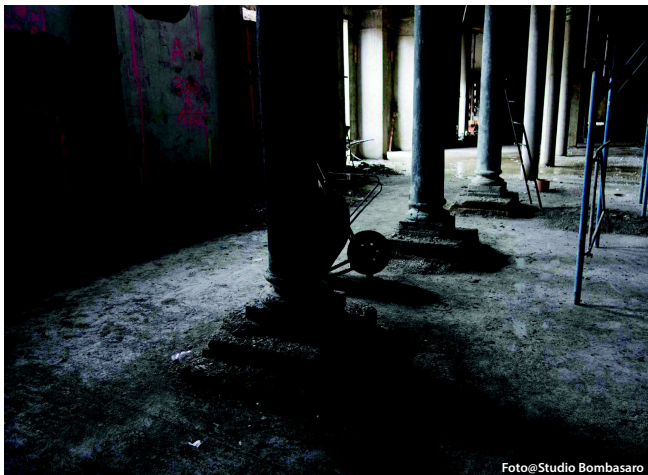
AFTER



Foto@Studio Bombasaro

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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