



PORCELAIN GRES TILE.  $S = 1$  cm.  $\lambda = 1$  W/mK

MORTAR COMPOSED OF CEMENT AND SAND 1:8  $S = 4,5$  cm.  $\lambda = 1$  W/mK

REINFORCED CONCRETE.  $S = 4$  cm.  $\lambda = 1,16$  W/mK

PE-X GIACOTHERM PIPE  $\varnothing = 15$  cm

VAPOR BARRIER IN POLYSTYRENE TO HOLD THE PIPES  $S = 0,4$  cm  $\lambda = 0,16$  W/mK

RIGID FOAM INSULATION OF XPS. (EXTRUDED POLYSTYREN)WHICH HAS A CLOSED CELL STRUCTURE.  $S = 3$  cm.  $\lambda = 0,035$  W/mK

MORTAR COMPOSED OF CEMENT AND SAND 1:8  $S = 4$  cm.  $\lambda = 1$  W/mK

RIGID FOAM INSULATION OF XPS. (EXTRUDED POLYSTYREN)WHICH HAS A CLOSED CELL STRUCTURE.  $S = 12$  cm.  $\lambda = 0,035$  W/mK

WAFFLE SLAB OF REINFORCED CONCRETE  $S = 30$  cm.  $\lambda = 1,16$  W/mK

01 FLOOR TYPE 4  
A-1.4 SCALE: 1/5

MARBLE TILE.  $S = 2,5$  cm.  $\lambda = 3,5$  W/mK

MORTAR COMPOSED OF CEMENT AND SAND 1:8  $S = 3$  cm.  $\lambda = 1,16$  W/mK

REINFORCED CONCRETE.  $S = 4$  cm.  $\lambda = 1,16$  W/mK

PE-X GIACOTHERM PIPE  $\varnothing = 15$  cm

VAPOR BARRIER IN POLYSTYRENE TO HOLD THE PIPES  $S = 0,4$  cm  $\lambda = 0,16$  W/mK

RIGID FOAM INSULATION OF XPS. (EXTRUDED POLYSTYREN)WHICH HAS A CLOSED CELL STRUCTURE.  $S = 3$  cm.  $\lambda = 0,035$  W/mK

MORTAR COMPOSED OF CEMENT AND SAND 1:8  $S = 4$  cm.  $\lambda = 1$  W/mK

RIGID FOAM INSULATION OF XPS. (EXTRUDED POLYSTYREN)WHICH HAS A CLOSED CELL STRUCTURE.  $S = 12$  cm.  $\lambda = 0,035$  W/mK

WAFFLE SLAB OF REINFORCED CONCRETE  $S = 30$  cm.  $\lambda = 1,16$  W/mK

02 FLOOR TYPE 5  
A-1.4 SCALE: 1/5

EXPANDED POLYESTHYRENE.  $S = 2$  cm.

GROUP 6

COURSE:  
TECHNOLOGICAL DESIGN

SCHOOL:  
POLITECNICO MILANO  
SEMESTER: SPRING 2011

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SHEET AUTHOR(S): MARZO FERRER, FCO. JAVIER  
PROJECT: ENVIRONMENTAL HOME  
SHEET TITLE:  
ITALIA  
LECCO, LOMBARDIA

FLOOR TYPES & COMPOSITION

SHEET No.:  
A-1.4

FILE NAME:  
F.T. & C. .DWG