



01 SECTION DETAIL 1
A. - 5.6 SCALE: 1/5

- EXPANDED POLYSTYRENE. S = 2 cm.
- PORCELAIN GRES TILE s= 1cm λ = 1 W/mk
- MORTAR COMPOSED BY CEMENT AND SAND 1:8
s= 4,5 cm λ = 1 W/mk
- REINFORCED CONCRETE S= 4 cm λ = 1,16 W/mk
- PE-X GIACHERM PIPE Ø = 1,5cm
VAPOR BARRIER IN POLYSTYRENE TO HOLD THE
PIPES S = 0,4 cm λ = 1,16 W/mk
- RIGID FORM INSULATION EXTRUDED POLYSTYRENE
S=3cm λ = 0,025 W/mk
- MORTAR COMPOSED BY CEMENT AND SAND 1:8
s= 4,0 cm λ = 1 W/mk
- RIGID FORM INSULATION EXTRUDED POLYSTYRENE
S=1,5cm λ = 0,025 W/mk
- WATER PROOF LAYER AND ANTI-ROT OF MODIFIED BITUMEN SBS.
WITH REINFORCEMENT BY POLYESTER FIBER WITH NONSTICK
FINISHING. S=0,5 cm λ = 0,23 W/mk
- REINFORCED CONCRETE S= 10cm λ = 1,16 W/mk
- MODULAR PLASTIC ELEMENT "CUPOLEX". USED TO SEPERATE THE
GOUND AND FOUNDATION S= 26cm
- LAND GROUND
- PROTECTION AND DRAINAGE LAYER SIKALAMP SD - 8, COMPOSED
BY POLYPROPYLENE DRAINAGE AND POLYETHYLENE FILTER.
S=0,96MM λ = 0,025 W/mk

VI

Group 6

COURSE: TECHNOLOGICAL DESIGN

SCHOOL: POLITECNICO DI MILANO

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PROJECT: ENVIRONMENTAL HOME

LECCO, LOMBARDIA ITALIA

WALL SECTION

SHEET NO.: A.5.6

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