



Column HSS 15cm x 15cm x 1cm

MORTAR COMPOSED BY CEMENT AND SAND 1:8 s= 3,5 cm $\lambda = 1$ W/mk

REINFORCED CONCRETE s= 4 cm $\lambda = 1,16$ W/mk

PEX GLATHERM PIPE $\varnothing = 1,5$ cm

VAPOR BARRIER IN POLYSTYRENE TO HOLD THE PIPES s = 0,4 cm $\lambda = 1,16$ W/mk

MORTAR COMPOSED BY CEMENT AND SAND 1:8 s= 4,5 cm $\lambda = 1$ W/mk

RIGID FORM INSULATION EXTRUDED POLYSTYRENE s=15cm $\lambda = 0,025$ W/mk

UNCOUPLING LAYER, SYNTHETIC NET FIBER TO UNCOUPLING AND PROTECT THE WATERPROOF LAYER. s = 0,2cm $\lambda = 0,05$ W/mk

WATER PROOF LAYER AND ANTI-ROT OF MODIFIED BITUMEN SBS, WITH REINFORCEMENT BY POLYESTER FIBER WITH NONSTICK FINISHING. s=0,5 cm $\lambda = 0,23$ W/mk

REINFORCED CONCRETE s= 10cm $\lambda = 1,16$ W/mk

GLASS

REBAR SCREW $\varnothing = 4$ mm

CELLULAR GLASS "FOAMGLAS"

FLASHING METAL

PORCELAIN GRES TILE s = 1cm

MORTAR COMPOSED BY CEMENT AND SAND 1:8 s= 1,9 cm $\lambda = 1$ W/mk

01 SECTION DETAIL 3
A.-5.9 SCALE: 1/5

AT

Group 6

COURSE: TECHNOLOGICAL DESIGN

SCHOOL: POLITECNICO DI MILANO

SEMESTER: SPRING 2011

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SHEET AUTHOR(S): GARCÍA AGUILERA, ALEJANDRO

PROJECT: ENVIRONMENTAL HOME

LECCO, LOMBARDIA ITALIA

WALL SECTION

SHEET NO.: A-5.9

FILE NAME: W.S.dwg