



GROUP 6

COURSE:

TECHNOLOGICAL DESIGN

SCHOOL:

SEMESTER:
SPRING 2011

INSTRUCTORS:

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ISSUE DATES:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

SHEET AUTHOR(S):
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PROJECT:
ENVIRONMENTAL HOME
LECCO, LOMBARDIA

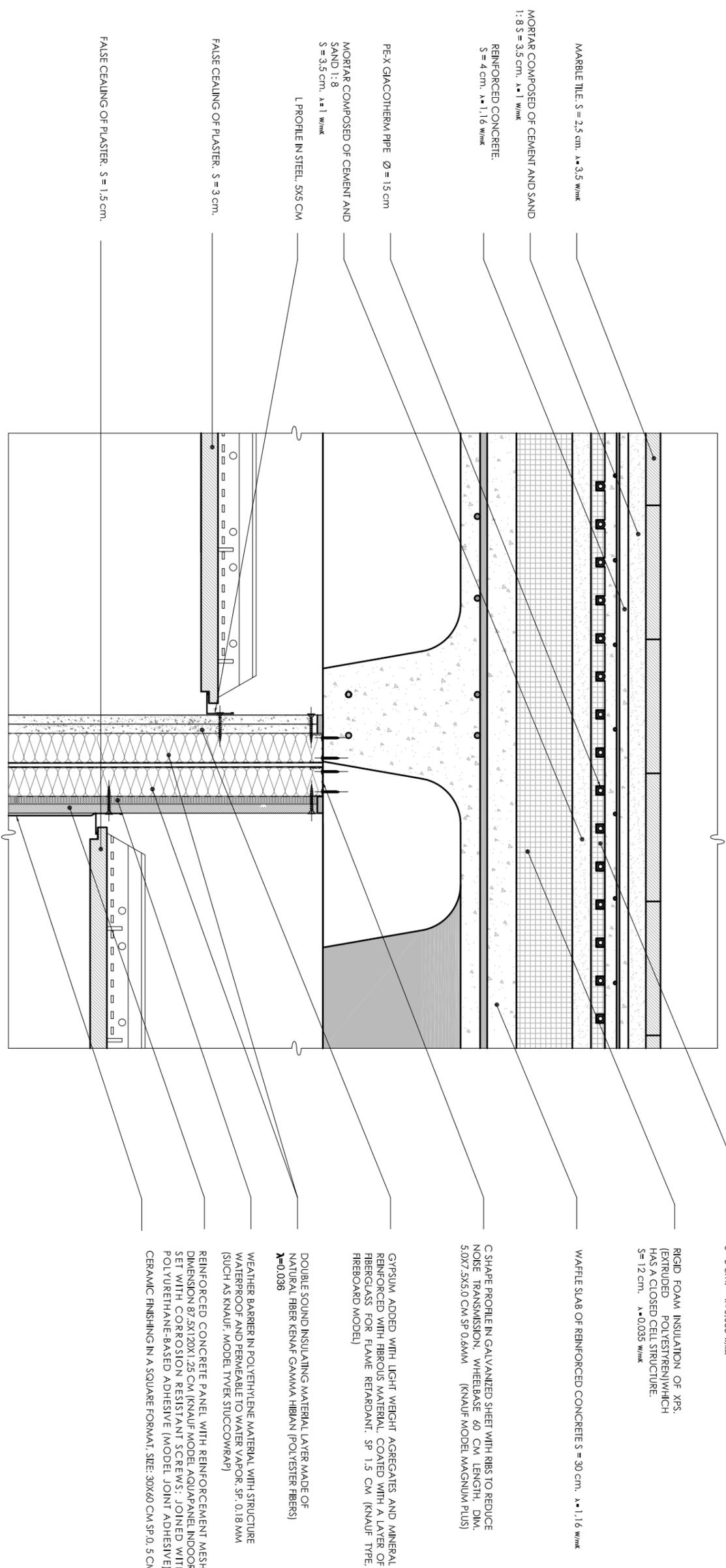
SHEET TITLE:

WALL SECTION DETAIL

SHEET NO.:

A-5-29

FILE NAME:



RIGID FOAM INSULATION OF XPS, (EXTRUDED POLYSTYRENE) WHICH HAS A CLOSED CELL STRUCTURE. S = 3 cm. $\lambda = 0.035 \text{ w/mk}$

RIGID FOAM INSULATION OF XPS, (EXTRUDED POLYSTYRENE) WHICH HAS A CLOSED CELL STRUCTURE. S = 12 cm. $\lambda = 0.035 \text{ w/mk}$

WAFLE SLAB OF REINFORCED CONCRETE S = 30 cm. $\lambda = 1.16 \text{ w/mk}$

C SHAPE PROFILE IN GALVANIZED SHEET WITH RIBS TO REDUCE NOISE TRANSMISSION. WHEELBASE 60 CM LENGTH, DIM. 50X7 5X5.0 CM SP 0.6MM (KNAUF MODEL MAGNINIUM PLUS)

GYPSUM ADDED WITH LIGHT WEIGHT AGREGATES AND MINERAL REINFORCED WITH FIBROUS MATERIAL. COATED WITH A LAYER OF FIBERGLASS FOR FLAME RETARDANT. SP 1.5 CM (KNAUF TYPE, FIREBOARD MODEL)

DOUBLE SOUND INSULATING MATERIAL LAYER MADE OF NATURAL FIBER KENAF GAMMA HIBAN (POLYESTER FIBERS) $\lambda = 0.036$

WEATHER BARRIER IN POLYETHYLENE MATERIAL WITH STRUCTURE WATERPROOF AND PERMEABLE TO WATER VAPOR. SP: 0.18 MM (SUCH AS KNAUF, MODEL TYVEK STUCCOWRAP)

REINFORCED CONCRETE PANEL WITH REINFORCEMENT MESH, DIMENSION 87,5X120X1,25 CM (KNAUF MODEL AQUAPANEL INDOOR) SET WITH CORROSION RESISTANT SCREWS, JOINED WITH POLYURETHANE-BASED ADHESIVE (MODEL JOINT ADHESIVE), CERAMIC FINISHING IN A SQUARE FORMAT, SIZE: 30X60 CM SP: 0,5 CM

FALSE CEILING OF PLASTER. S = 1,5 cm.

FALSE CEILING OF PLASTER. S = 3 cm.

L PROFILE IN STEEL. 5X5 CM

MORTAR COMPOSED OF CEMENT AND SAND 1:8 S = 3,5 cm. $\lambda = 1 \text{ w/mk}$

PEX GIACOTHERM PIPE $\varnothing = 15 \text{ cm}$

REINFORCED CONCRETE. S = 4 cm. $\lambda = 1,16 \text{ w/mk}$

MORTAR COMPOSED OF CEMENT AND SAND 1:8 S = 3,5 cm. $\lambda = 1 \text{ w/mk}$

MARBLE TILE. S = 2,5 cm. $\lambda = 3,5 \text{ w/mk}$

01 WALL SECTION DETAIL
A-5-29 SCALE: 1/10