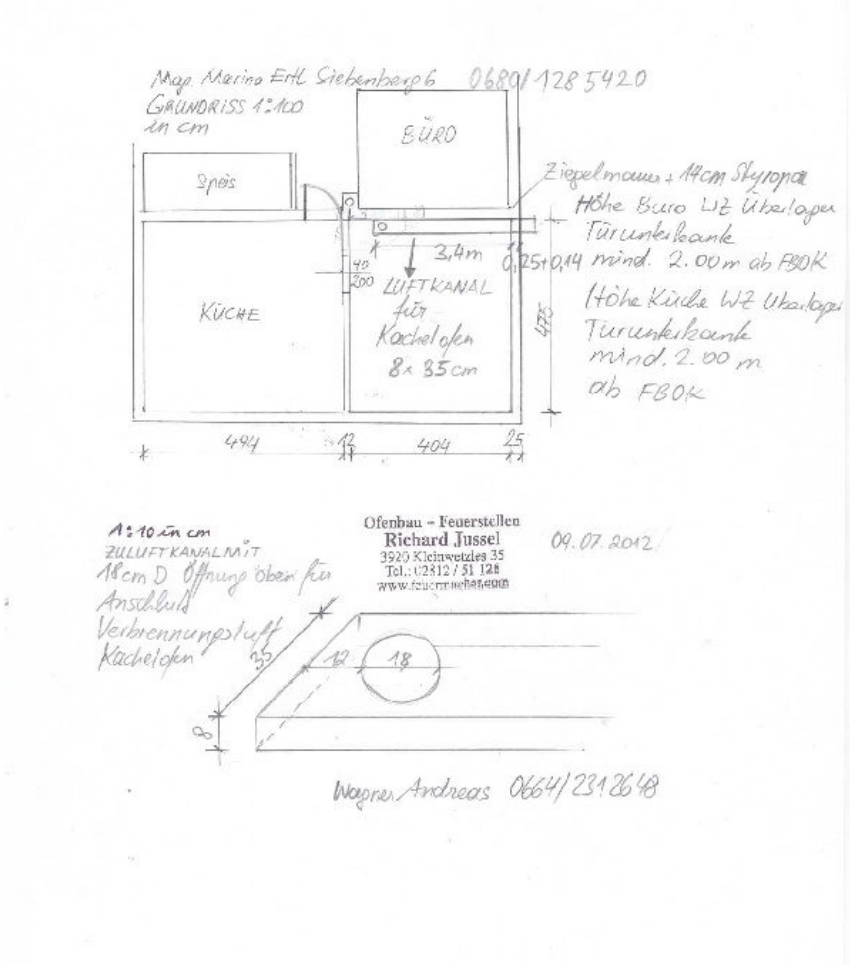
air supply duct formed with metal sheet by the tinner according to the features of the planned tile stove



base construction with burned bricks and fire clay materials

air supply situated below in the middle of the fire box

base with side walls made with fire clay materials

air supply with manual operated damper situated in the middle of the fire box,
distance between fire box floor and air supply is 4 cm

visualization of side and rear walls of the combustion chamber

reinforment bars for the side walls of the combustion chamber

covering the bottom of the combustion chamber with fire clay material 4 cm thickness,
the way is to insert the fire clay plates in a loose way

the bottom of the combusiton chamber with 2 layers of fire clay plates, first 4 cm thickness second three 3 cm thickness

building up the side and rear walls of combustion chamber

fire clay plate shims thickness 5 mm to keep the distance for the combustion chamber air supply slots

keep on using the same fire clay shims (5 mm thickness) to keep the dimension for the combustion air slot (tools: diament file and joint trowel)

rear wall construction with fire clay bricks (50 cm length, 6.5 cm thickness and 12.5 cm in height)

front view inside the Eco-labeled combustion chamber

side walls with rear wall coverd with fire clay plate, 4 cm thickness

close the air slot of the left side wall of the combustion chamber with a fire clay brick (6 cm thickness, 30 cm length and 9 cm height)

Close that door

close the air slots with horizontal lying bricks (6 cm thickness, 30 cm length and 9 cm width)

combustion chamber, out burn, neighbouring lying flue

supporting fire clay bricks for the insulation board for combustion chamber and neighbouring flue, the out burn flowing down

the covering slab of the combustion chamber with the insulation plate: Silca Board with 3 cm thickness

insulation board seen from beyond, inside view of the combustion chamber with the insulatin board

2 nd layer of the slab of the combustion chamber consisting of a fire clay plate with 6 cm thickness supported by