

Holistic architecture

space is

*spiritual
emotional
vital
material*

Topic:

*Sustainable architecture,
real life cases*

Presented by:

Oldrich Hozman

*International Congress
on Biological Architecture
and Sustainable Design*

12th – 14th October 2007

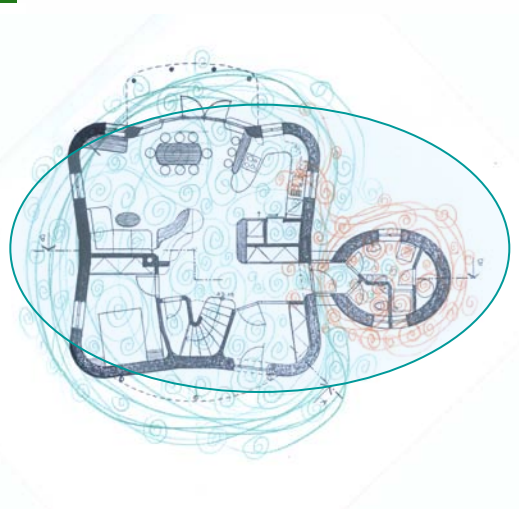
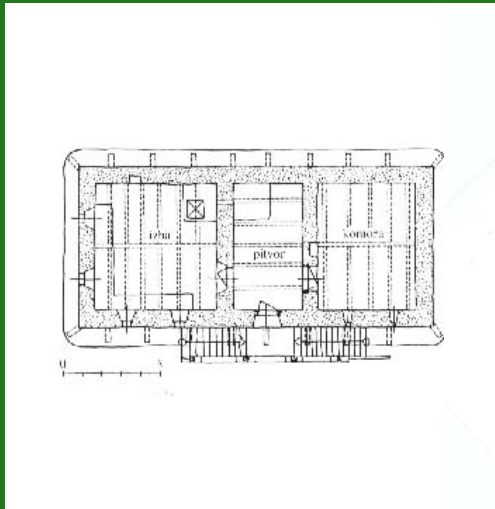
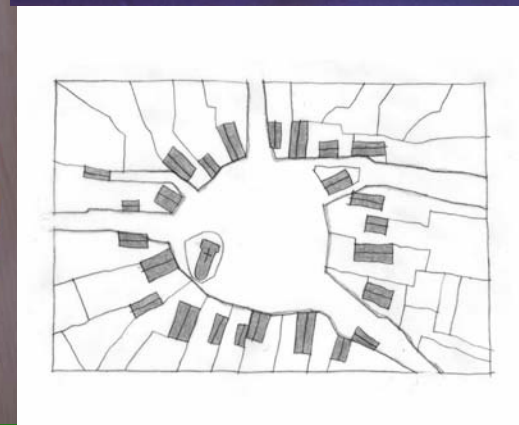
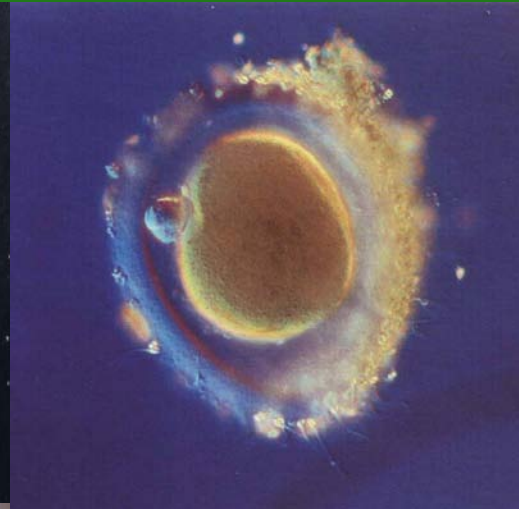


Holistic architecture

space is

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- *wholeness of the Universe*
- *surrounding and centre*
- *the basic form is an oval*
- *covering, skin, bark, wall*
- *the life force is connected with surfaces*
- *principle of emptiness in the centre*
- *shape of the oval*
- *symmetry, axuality*



Holistic architecture

space is

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- *atrium house*
- *sacred geometry
based on tree of life
(dodecagon)*
- *symmetry*
- *sustainable
geometrical
principles
generating life
force*
- *biological materials*



*Green roof atrium house,
main entrance, view from north-west*

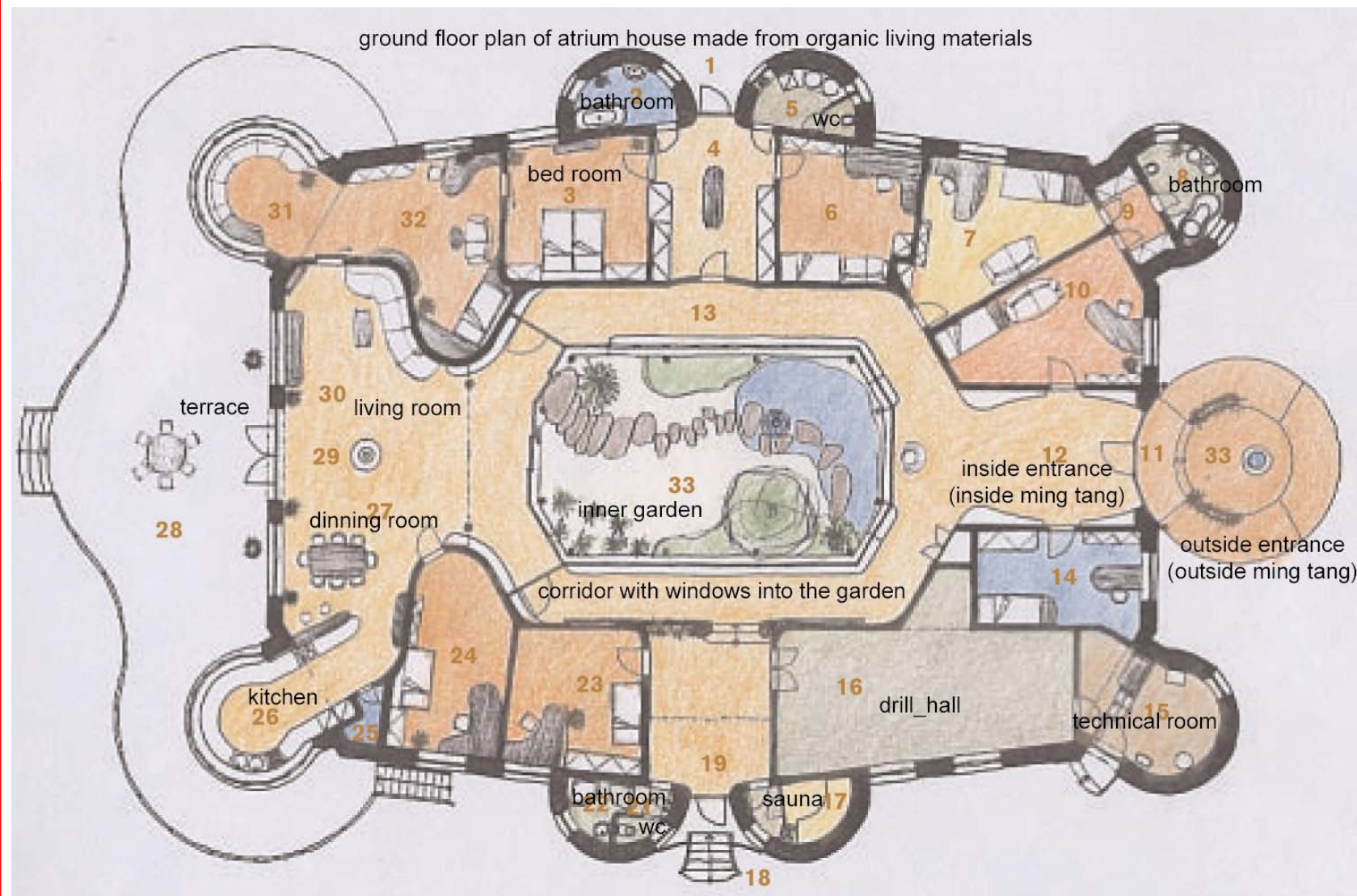
Holistic architecture

space is

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- atrium house
- sacred geometry based on tree of life
- design remodeling level of fractality of the place

Examples of eco-structures



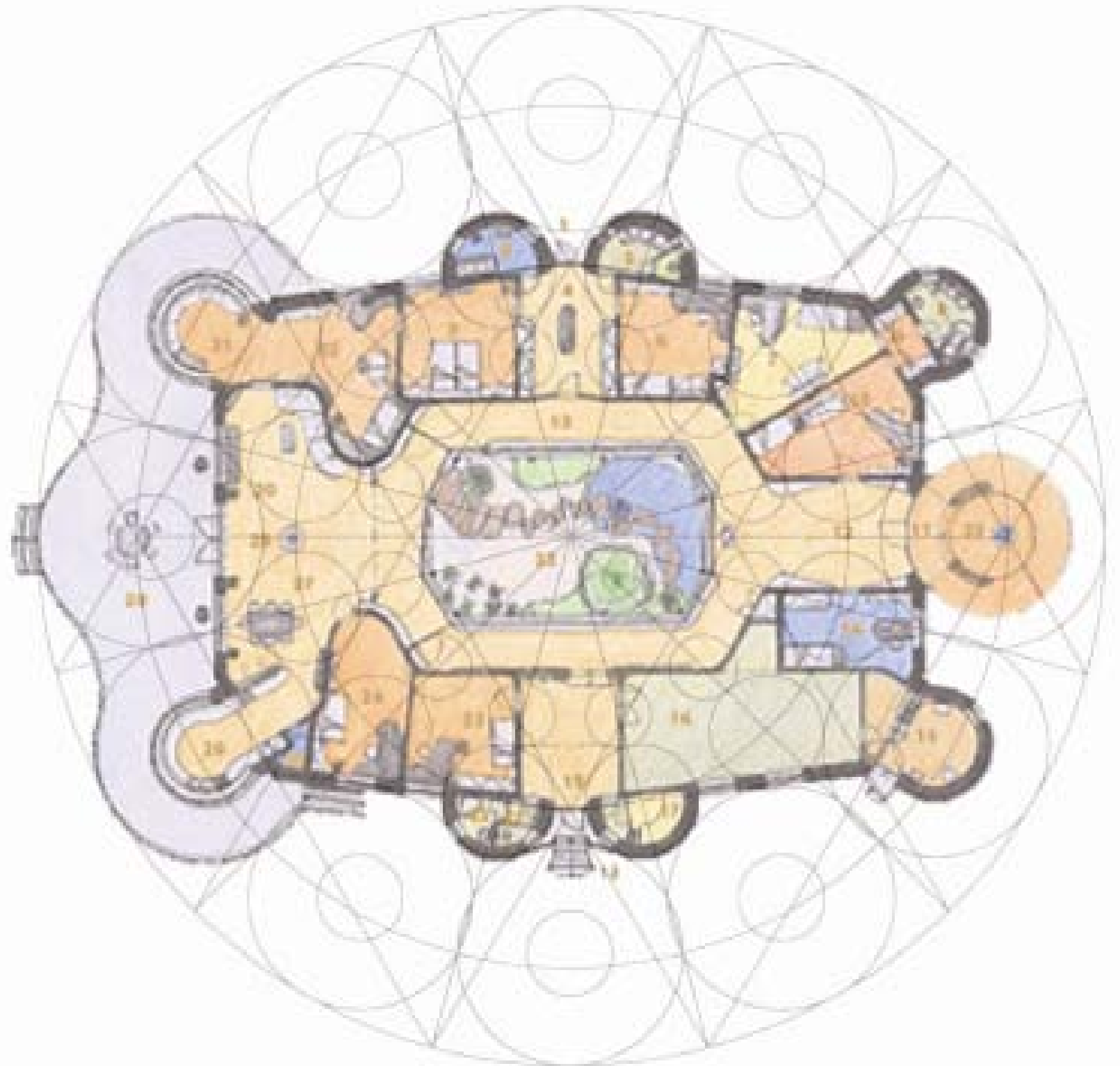
Walls are made of wood beams and filled with unfired bricks.

Holistic architecture

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- *atrium house*
- *sacred geometry based on tree of life*
- *sacred geometry of dodecahedron*
- *design remodeling level of fractality of the place*

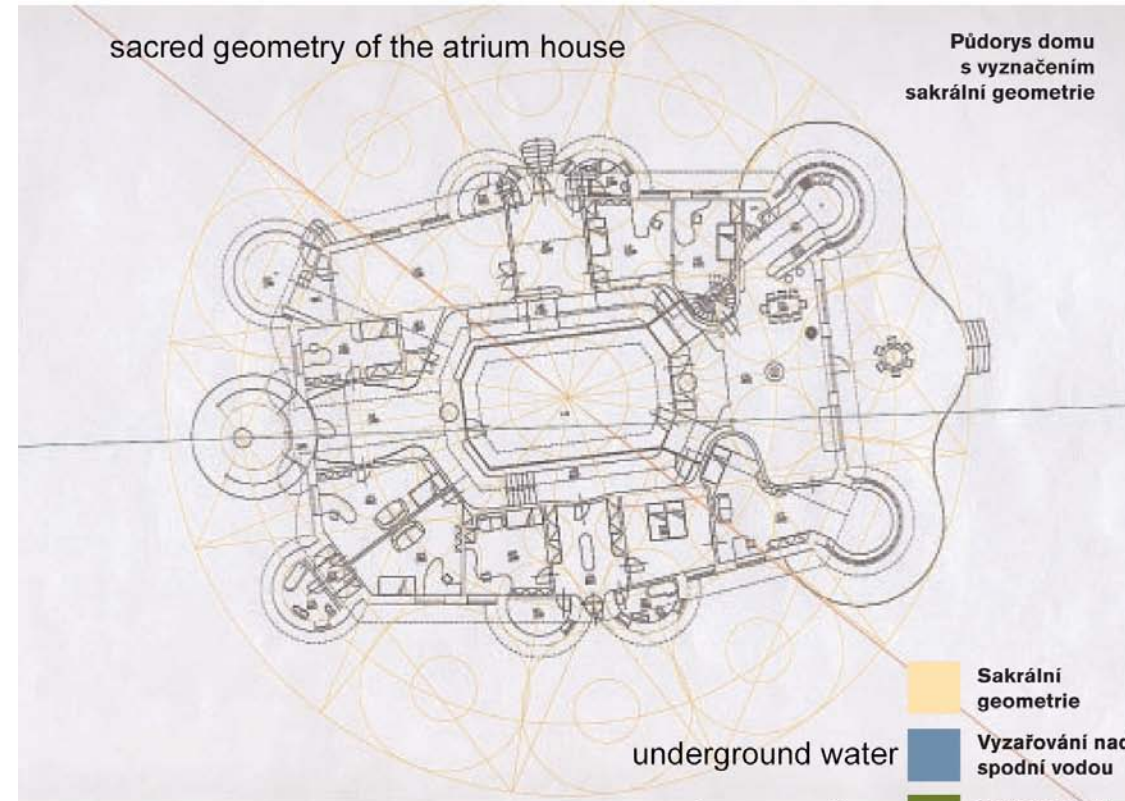


Holistic architecture

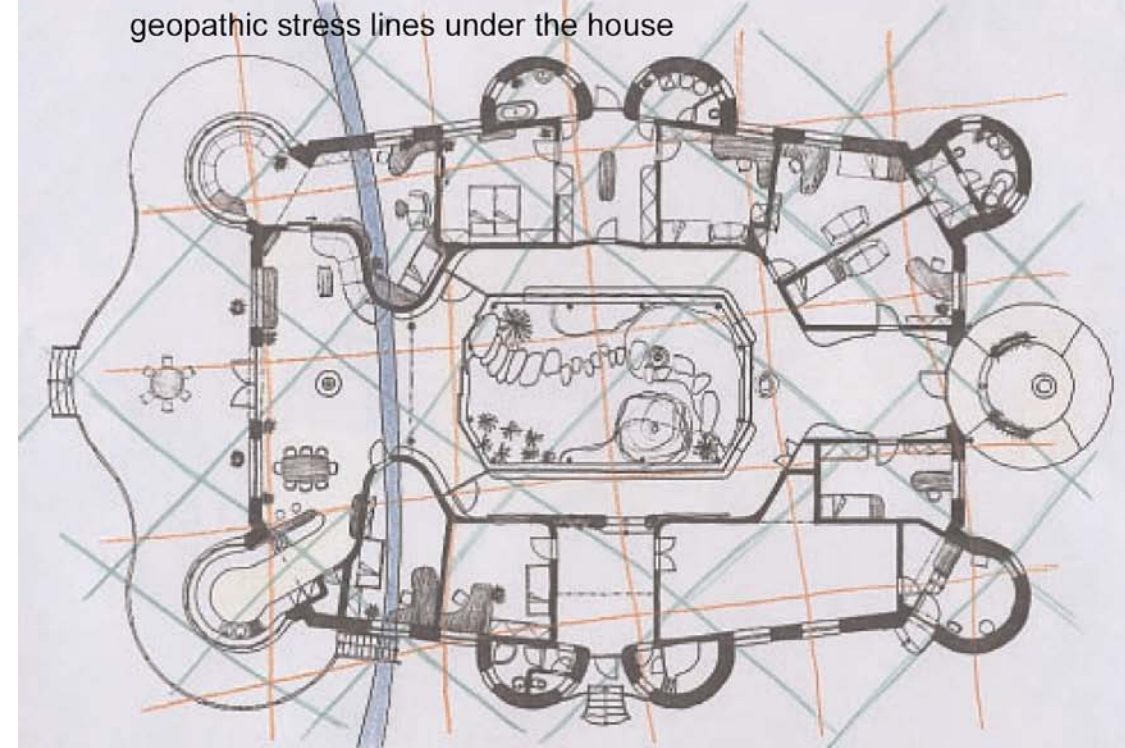
space is

spiritual
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- atrium house
- sacred geometry based on tree of life (dodecahedron)
- walls of adobe
- accumulate heat well
- regulate air humidity
- clean toxins from air
- regulate ions in the air



Průběh geopatogenních zón a přizpůsobení dispozice a rozmístění nábytku tak, aby místa dlouhodobého pobytu neležela v exponovaných zónách a kříženích



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- *sustainable
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generating life
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- *biological materials*



*Green roof atrium house,
main entrance, view from north*

Holistic architecture

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- *atrium house*
- *sacred geometry
based on tree of life*

green roofs give:

- *good insulation*
- *absorb water*
- *balance humidity*
- *improve
flora/fauna*
- *wild plants*



Green roof atrium house

Holistic architecture

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- *atrium house*
- *sacred geometry
based on tree of life*
- *importance of main
entrance*
- *outside space*
- *axiality, symmetry*
- *organic
architecture*



Green roof atrium house

Holistic architecture

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- *atrium house*
- *sacred geometry
based on tree of life*
- *emptiness in the
centre creates
sacred space*
- *organic
architecture*
- *private place
of worship*



*Green roof atrium house,
inner garden*

Holistic architecture

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Green roof atrium house

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- *sacred geometry
based on tree of life*
- *emptiness in the
centre creates
sacred space*
- *organic
architecture*
- *inspiration from
japanese gardens*



Green roof atrium house

Holistic architecture

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- *atrium house*
- *emptiness in the centre creates sacred space*
- *life force coming from the centre*
- *regulate light inside*
- *inside = private*
- *meditation*



*Green roof atrium house,
inside corridor in entrance hall*

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- *atrium house*
- *emptiness in the centre creates sacred space*
- *life force coming from the centre*
- *regulate light inside*
- *inside = private*
- *meditation*



*Green roof atrium house,
living room and view to the inside garden*

Holistic architecture

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- *walls of adobe*
- *accumulate heat in winter and cold in summer*
- *regulate air humidity*
- *clean toxins from air*
- *regulate ions in the air*



*Green roof atrium house,
walls in the corridor made of unburnt bricks.*

Holistic architecture

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- *walls of adobe*
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walls in the corridor made of unburnt bricks.*

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- *accumulate heat well*
- *regulate air humidity*
- *clean toxins from air*
- *regulate ions in the air*



*Green roof atrium house,
view from living room to the inner garden*

Holistic architecture

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- *atrium house*
- *emptiness in the centre create sacred space*
- *walls of adobe accumulate heat well*
- *regulate air humidity*
- *clean toxins from air*
- *regulate ions in the air*



*Green roof atrium house,
dressing room*

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- *atrium house*
- *emptiness in the centre creates sacred space*
- *walls of adobe accumulate heat well*
- *regulate air humidity*
- *clean toxins from air*
- *regulate ions in the air*



*Green roof atrium house,
playroom*

Holistic architecture

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- *atrium house*
- *clay plaster on walls*
- *walls of adobe accumulate heat well*
- *regulate air humidity*
- *clean toxins from air*
- *regulate ions in the air*



*Green roof atrium house,
staircase from oak wood*

Holistic architecture

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- *atrium house*
- *bathrooms in outbuilding spaces*
- *strengthen level of life force in the living space of the house*



*Green roof atrium house,
bathroom*

Holistic architecture

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- *atrium house*
- *bathrooms in
outbuilding spaces*
- *strengthen level of
life force in the
living space of the
house*
- *soft edges = smooth
life force*



*Green roof atrium house,
bathroom*

Holistic architecture

space is

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- *atrium house*
- *language of forms and materials*
- *emotional level*
- *cultivation of beauty*
- *harmonics*
- *proper proportions and shapes*
- *rhythm and ornament*



*Green roof atrium house,
entrance to the outside terrace and garden*

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- *atrium house*
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- *emotional level*
- *cultivation of beauty*
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- *proper proportions and shapes*
- *rhythm and ornament*



*Green roof atrium house,
main entrance*

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- *atrium house*
- *sacred geometry
based on tree of life
(dodecahedron)*
- *symmetry*
- *sustainable
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principles
generating life
force*
- *biological materials*



*Green roof atrium house,
view from north*

Holistic architecture

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- *importance of beauty in architecture*
- *golden ratio*
- *relationship between the width of the floor plan and the height*



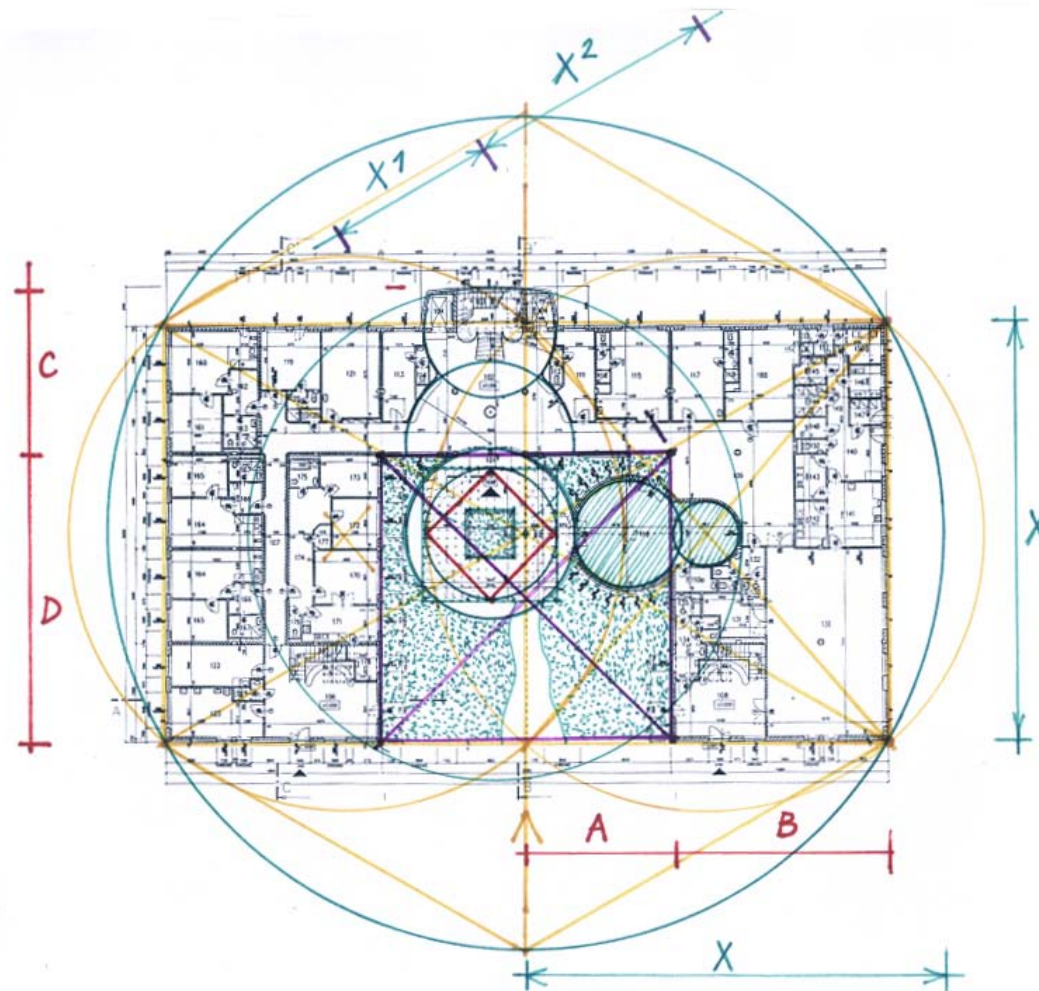
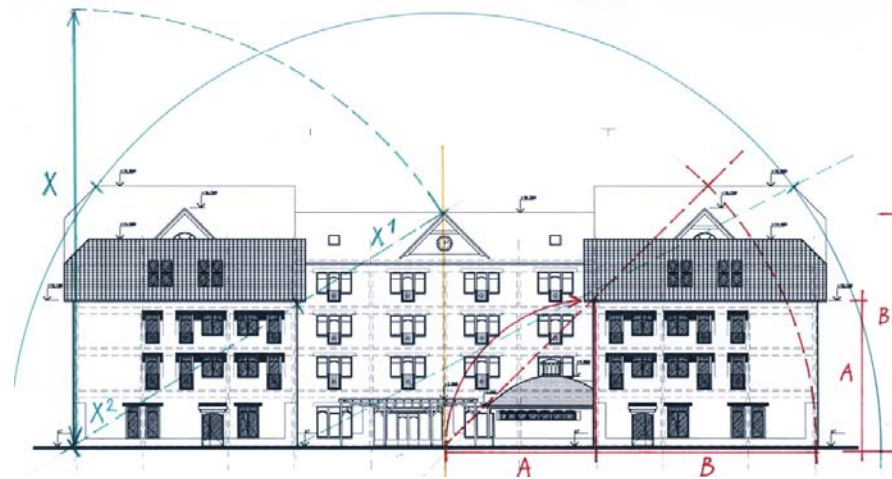
Home for Elderly in Prague based on geometry of hexagon

Holistic architecture

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- *importance of beauty in architecture*
- *golden ratio*
- *relationship between the width of the floor plan and the height of the building*
- *sacred space*



Home for Elderly in Prague based on geometry of hexagon

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- *importance of beauty in architecture*
- *golden ratio*
- *relationship between the width of the floor plan and the height*



Home for Elderly in Prague based on geometry of hexagon

Holistic architecture

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- *main entrance*
- *importance of space before doors*
- *water improve life force*
- *sacred space = open centre*



Home for Elderly in Prague based on geometry of hexagon

Holistic architecture

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- *main entrance hall*
- *flowform fountain*
- *water improve life force*



*Author of the fountain (sculptor) :
Jan Tajbos*

Home for Elderly in Prague based on geometry of hexagon

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- *main entrance hall*
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*Author of the fountain (sculptor) :
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Home for Elderly in Prague based on geometry of hexagon

Holistic architecture

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- *main entrance hall*
- *staircase*
- *open shape improve
life force*



Home for Elderly in Prague based on geometry of hexagon

Holistic architecture

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- *chapel*
- *importance of sacred space*
- *improve life force*



Home for Elderly in Prague based on geometry of hexagon

Holistic architecture

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- *chapel*
- *importance of sacred space*
- *improve life force*



Home for Elderly in Prague based on geometry of hexagon

Holistic architecture

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- *emotional level*
- *cultivation of beauty*
- *harmonics*
- *proper proportions and shapes*
- *rhythm and ornament*
- *sight, smell, feel, sound, taste, intuition*



Garden altar based on the geometry of circle and square

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- *emotional level*
- *cultivation of beauty*
- *harmonics*
- *proper proportions and shapes*
- *rhythm and ornament*
- *sight, smell, feel, sound, taste*
- *flowforms*



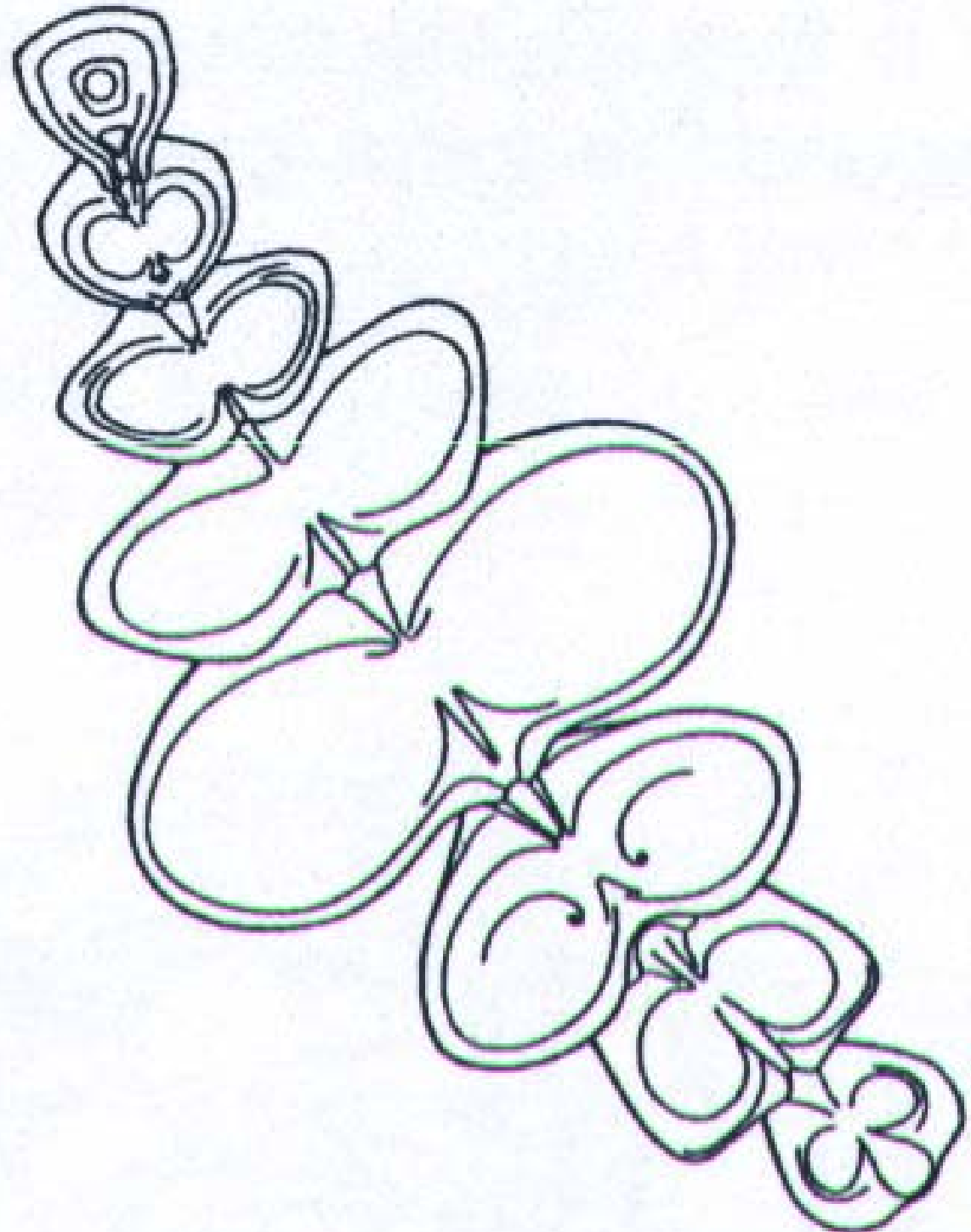
*Garden altar based
on the geometry of circle and square*

Holistic architecture

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- *movement of water*
- *cultivation of beauty*
- *harmonics*
- *proper proportions and shapes*
- *rhythm and ornament*
- *sight, smell, feel, sound, taste*
- *flowforms*



Holistic architecture

space is

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- *passive and active heating*
- *open to south*
- *close to north*
- *winter garden*
- *shielding roof*
- *green roof*
- *heating and ventilating by air*
- *earth collector*



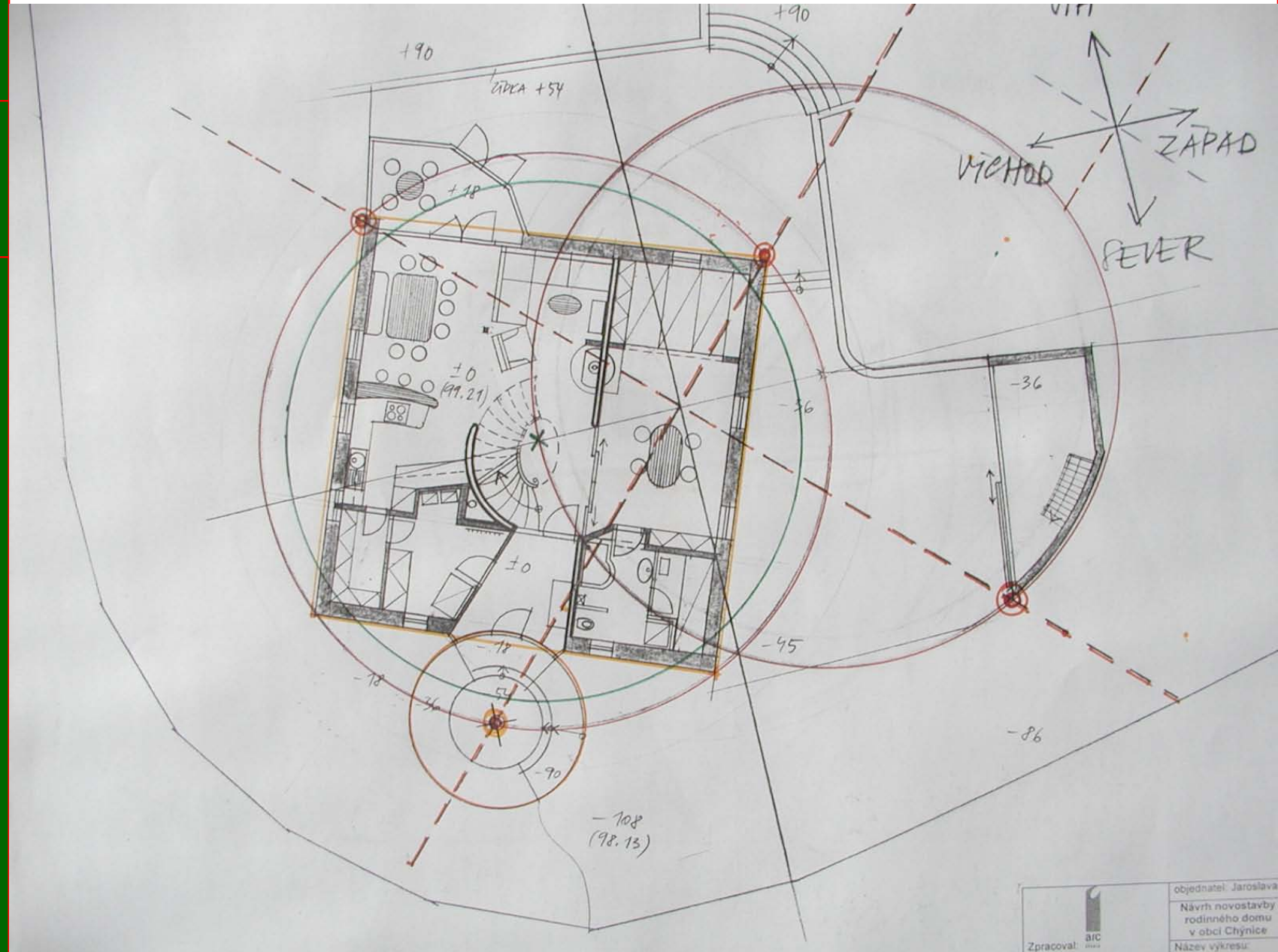
energy efficient house, south facade

Holistic architecture

space is

spiritual
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material

- sacred geometry
- passive and active heating
- open to south
- close to north
- winter garden
- shielding roof
- green roof
- heating and ventilating by air
- earth collector



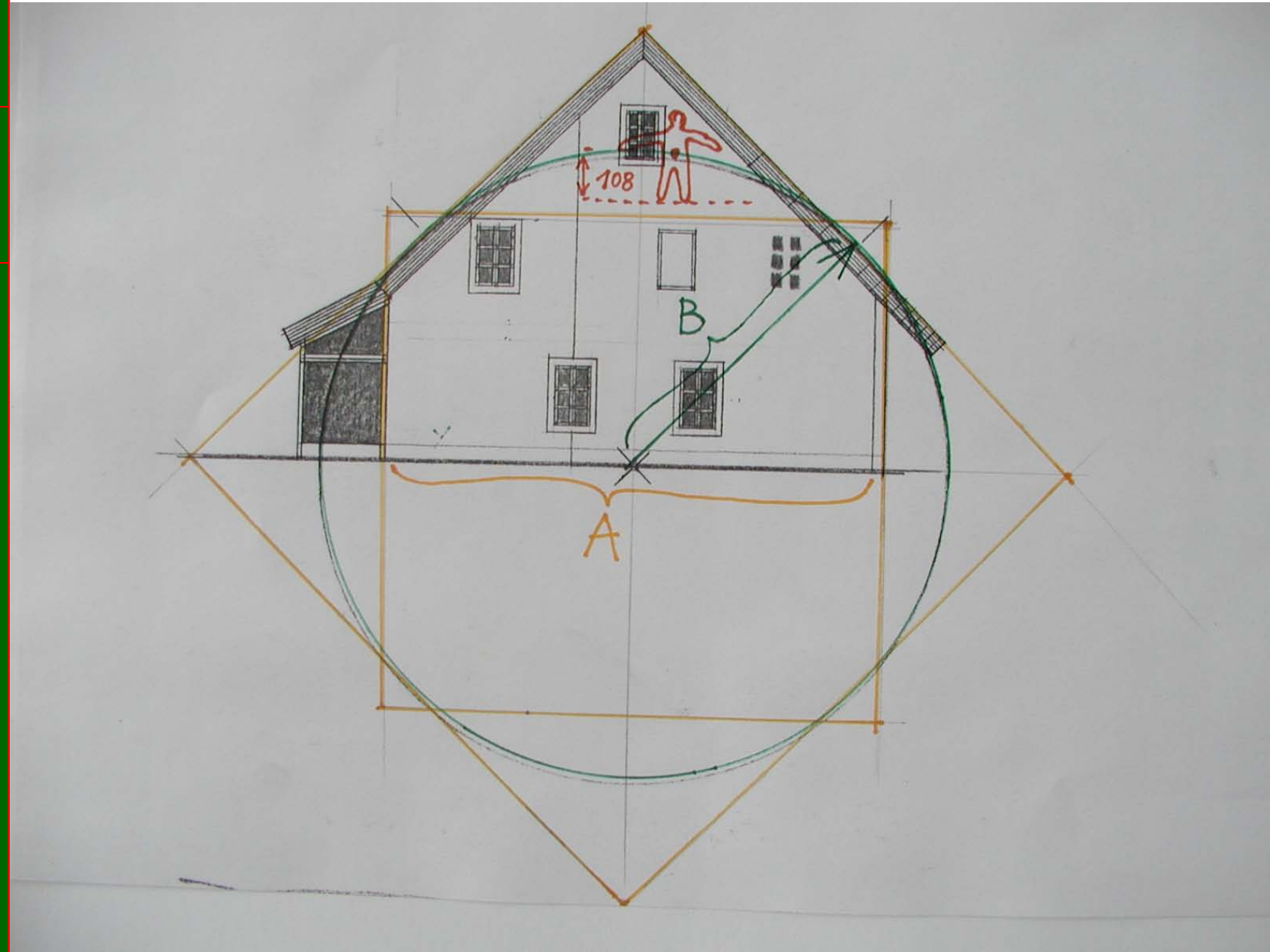
energy efficient house, ground floor plan

Holistic architecture

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material*

- *sacred geometry*
- *passive and active heating*
- *open to south*
- *close to north*
- *winter garden*
- *shielding roof*
- *green roof*
- *heating and ventilateing by air*
- *earth collector*



energy efficient house, wiew to facade

Holistic architecture

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- *passive and active heating*
- *open to south*
- *close to north*
- *winter garden*
- *shielding roof*
- *green roof*
- *heating and ventilateing by air*
- *earth collector*



energy efficient house, north facade

Holistic architecture

space is

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- *material level*
- *unfired bricks*
- *accumulate heat and cold*
- *regulate air humidity*
- *clean toxins from air*
- *regulate ions in the air*



energy efficient house with wall heating

Holistic architecture

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- *material level*
- *unfired bricks*
- *accumulate heat and cold*
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energy efficient house with wall heating

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- *unfired bricks*
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- *clean toxins from air*
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energy efficient house with wall heating

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- *material level*
- *unfired bricks*
- *accumulate heat and cold*
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- *clean toxins from air*
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energy efficient house with wall heating and winter garden

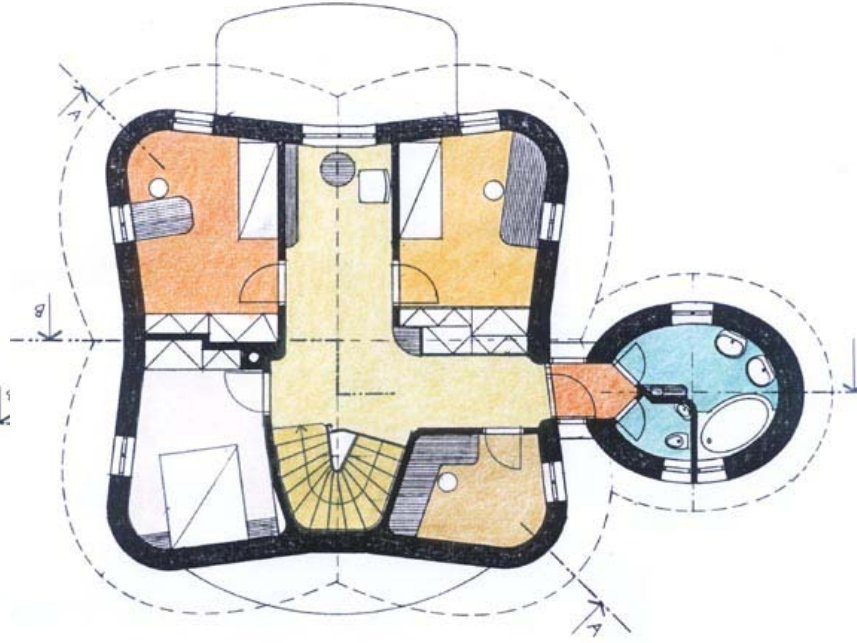
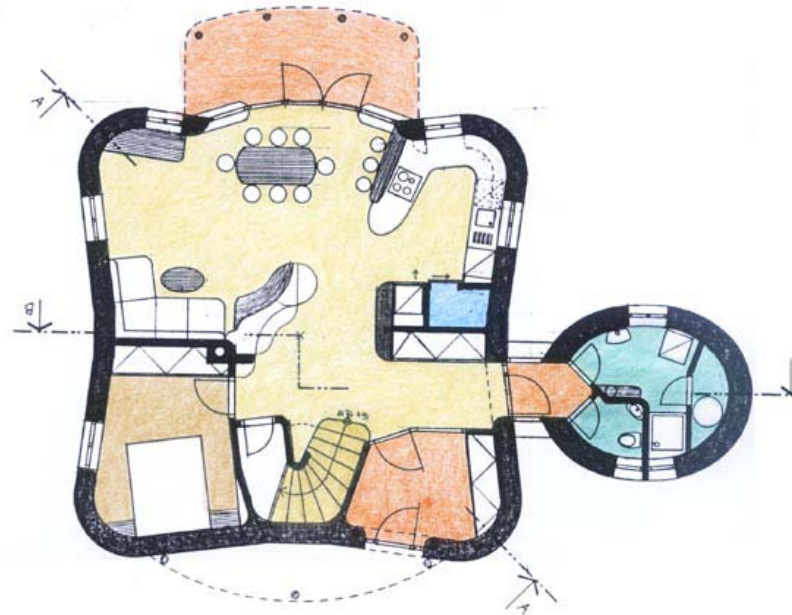
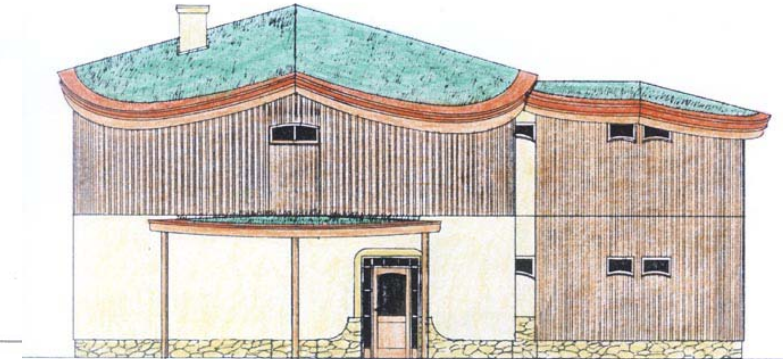
Holistic architecture

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- *inside walls from unburnt bricks*
- *wood ceiling*
- *influencing human psyche*
- *clay plaster*
- *reed boards*
- *no steel in floor*

Examples of eco-structures



Holistic architecture

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- *green roofs*
- *aesthetics*
- *full of life*
- *works with the land*
- *good insulation*
- *absorbs water*
- *balances humidity*
- *improves
flora/fauna*
- *wild plants*



energy efficient house,
south view



Holistic architecture

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- *inside walls from unburnt bricks*
- *wood ceiling*
- *influencing human psyche*
- *clay plaster*
- *reed boards*
- *no steel in floor*

Examples of eco-structures

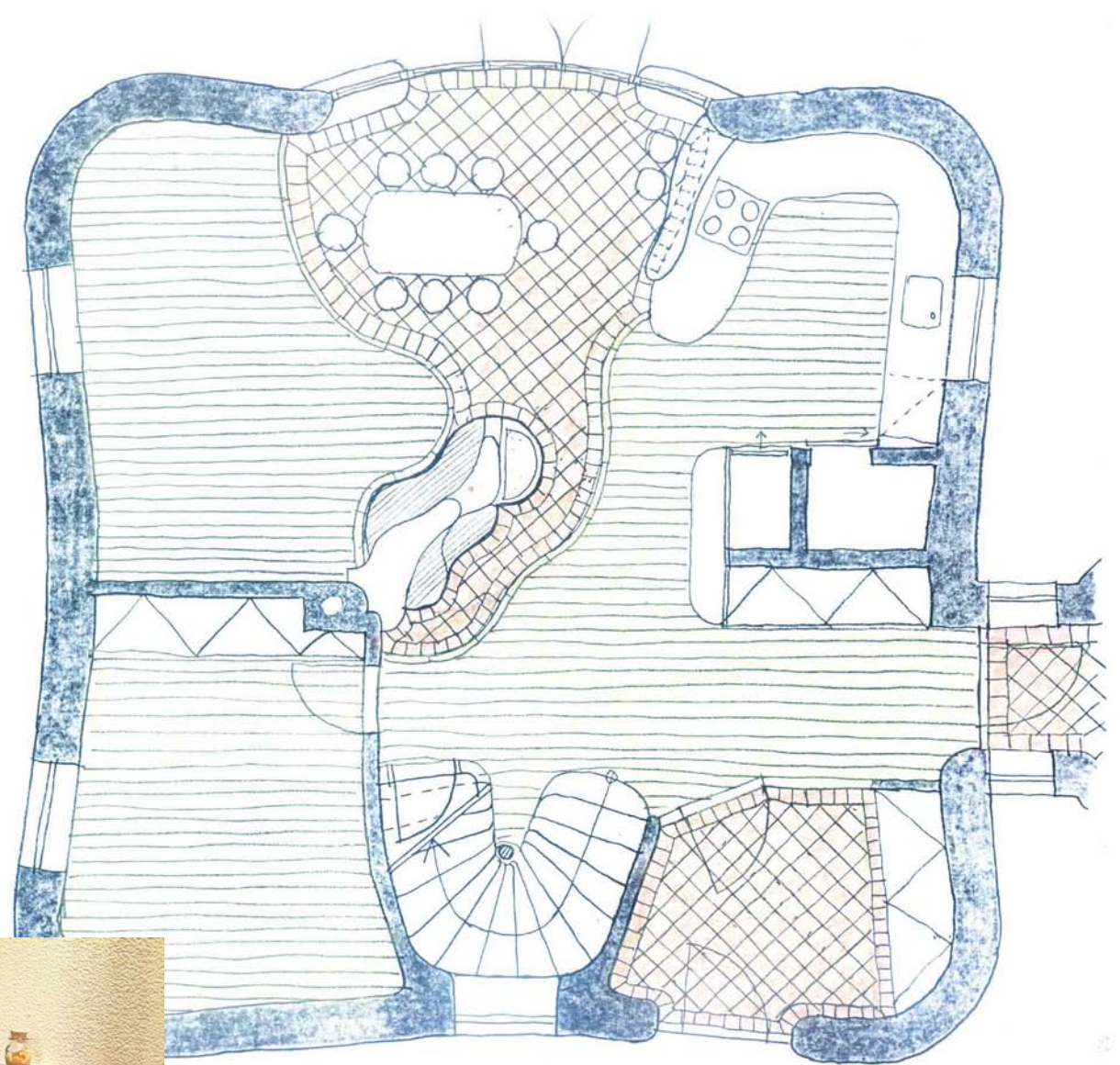


Holistic architecture

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- *healthy heating principles*
- *stoves and ovens*
- *radiating heat*
- *accumulating heat*
- *connection with subconsciousness*
- *healthy cooking*
- *aesthetics*
- *communication is important*



Holistic architecture

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- *green roofs*
- *aesthetics*
- *full of life*
- *works with the land*
- *good insulation*
- *absorbs water*
- *balances humidity*
- *improves
flora/fauna*
- *wild plants*



*energy efficient house,
southeast view*

Holistic architecture

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- *energy saving*
- *sustainable solutions*
- *works with the land*
- *good insulation*

- *green roofs*
- *absorbs water*
- *balances humidity*
- *improves flora/fauna*
- *wild plants*



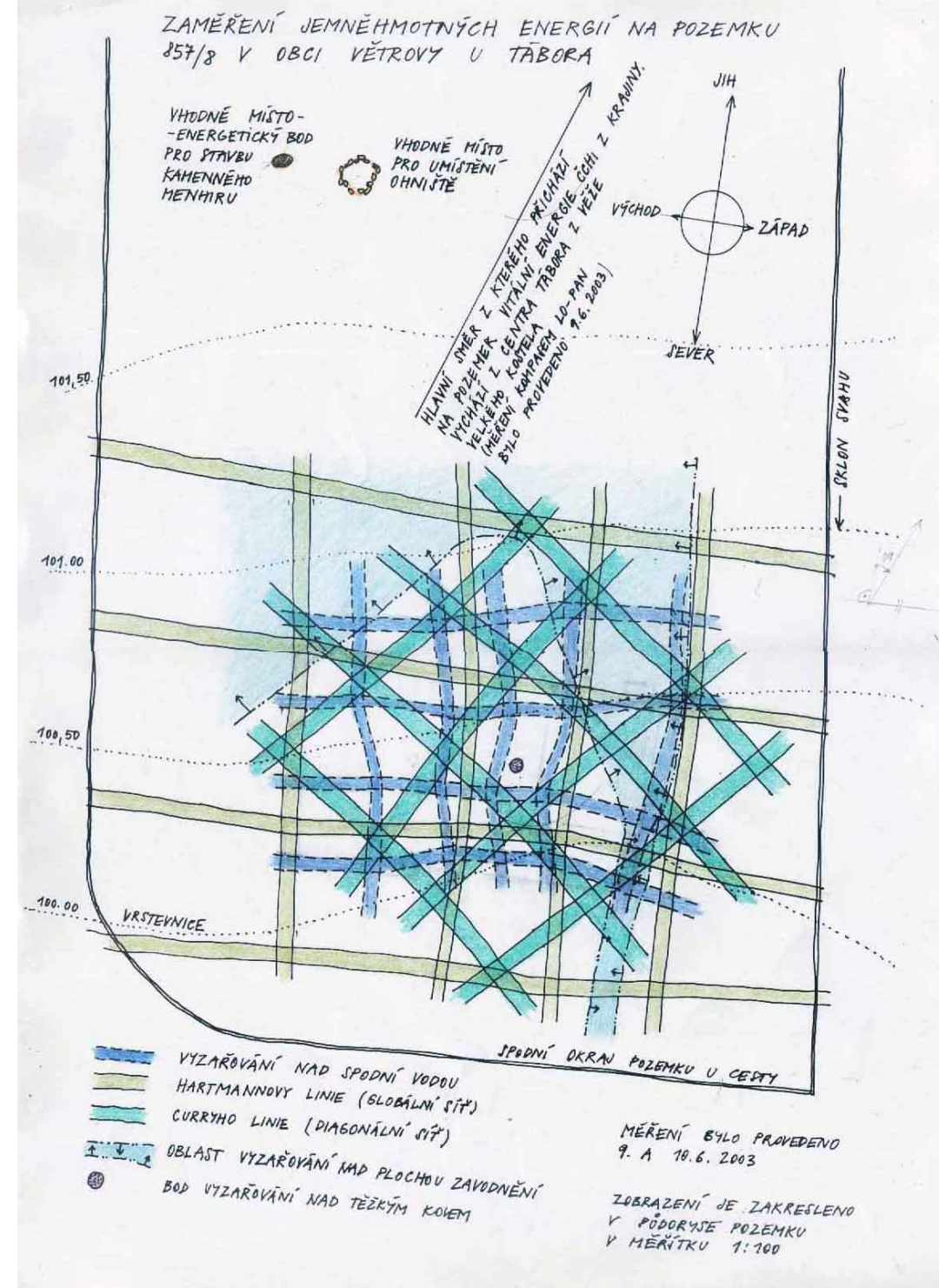
*energy efficient house,
detail of solar panels*

Holistic architecture

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- geomancy
- subtle earth energies
- connection with genius loci
- improveing healthy living
- proportions
- sacred geometry



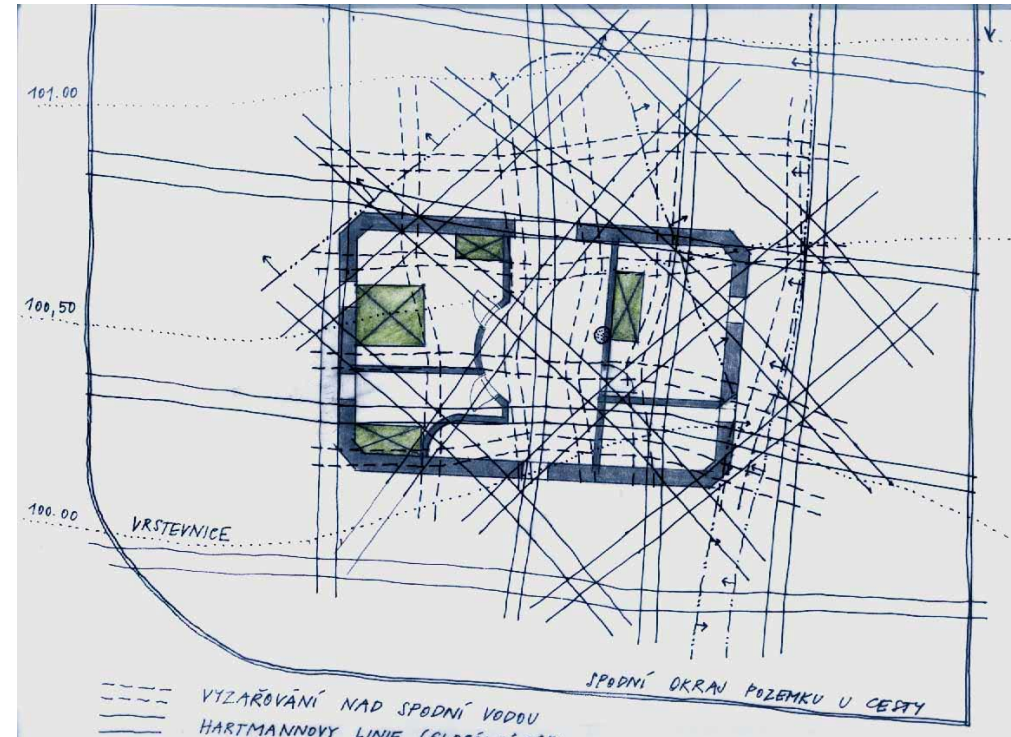
energy efficient house,
geomancy of the place

Holistic architecture

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- *geomancy*
- *subtle earth energies*
- *connection with genius loci*
- *improving healthy living*
- *proportions*
- *sacred geometry*



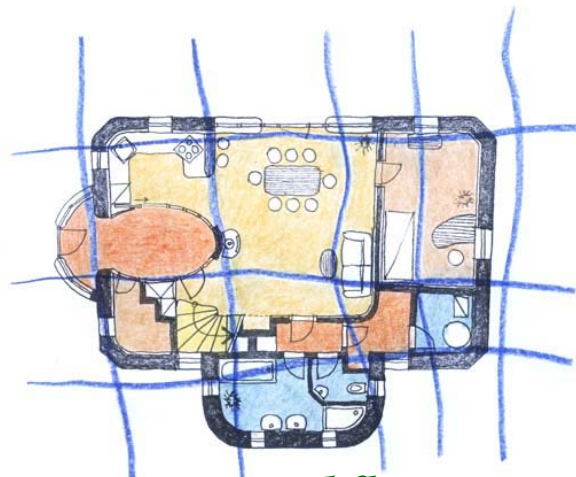
*energy efficient house,
geomancy of the place,
beds are placed in neutral zones*

Holistic architecture

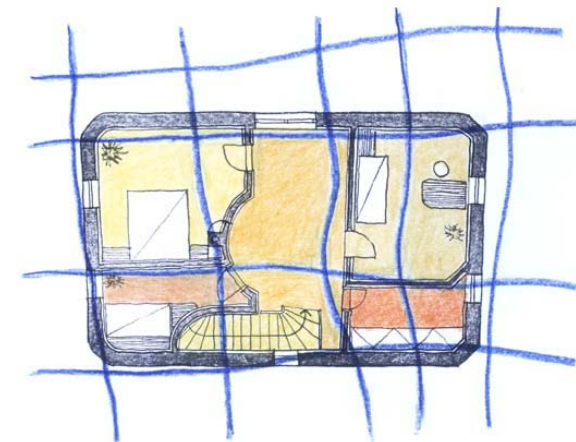
space is

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- *geomancy*
- *subtle earth energies*
- *connection with genius loci*
- *improving healthy living*
- *proportions*
- *sacred geometry*



ground floor



first floor

energy efficient house, geomancy of the place, in blue colour are underground water zones, beds are placed in neutral zones

Holistic architecture

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- *sustainable design*
- *natural materials*
- *proportions*
- *aesthetics*



Table „Tree“

Holistic architecture

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- *sustainable design*
- *natural materials*
- *proportions*
- *aesthetics*



Table „Fire“

Holistic architecture

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- *sustainable design*
- *natural materials*
- *proportions*
- *aesthetics*

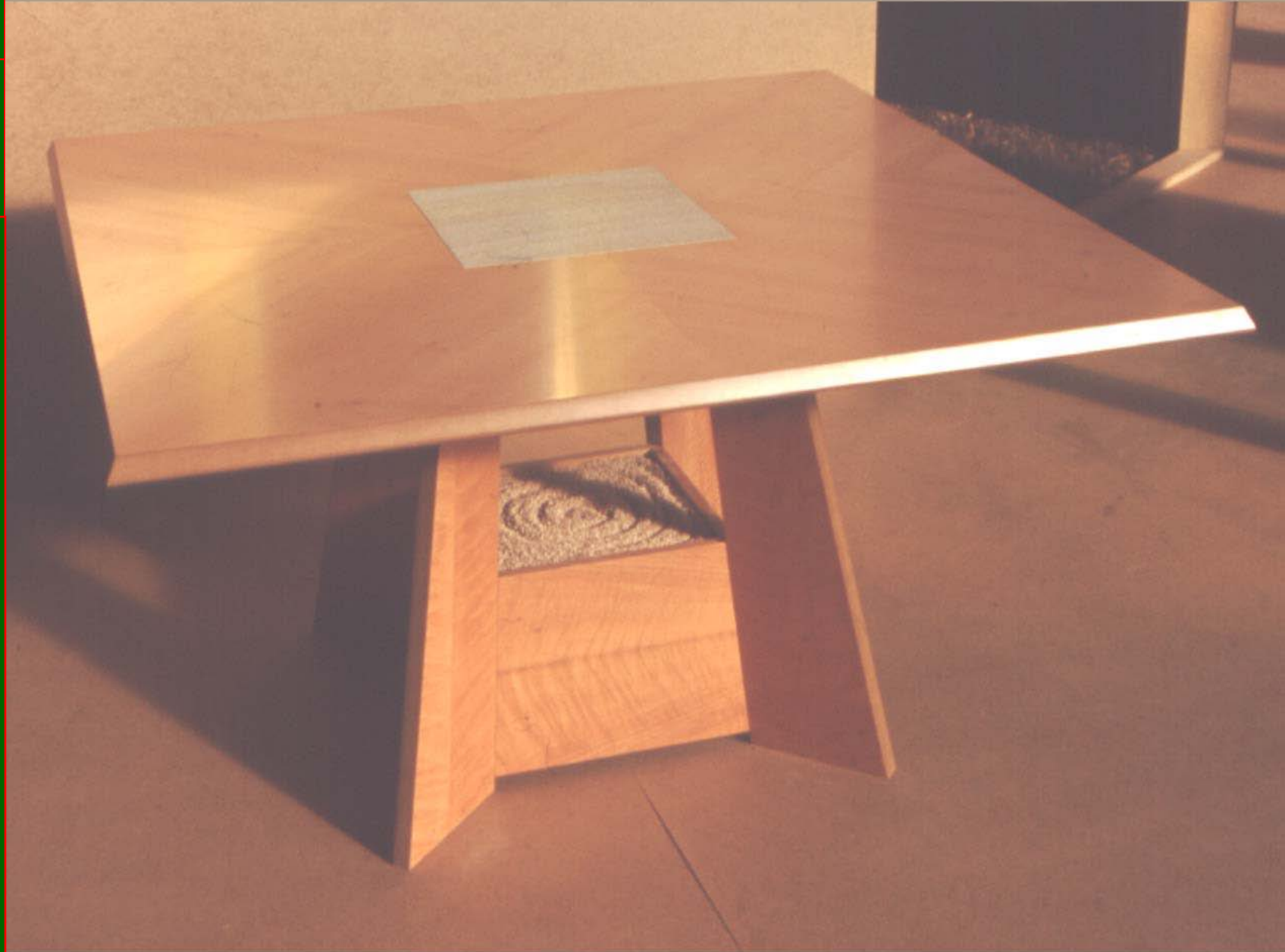


Table „Earth“

Holistic architecture

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- *sustainable design*
- *natural materials*
- *proportions*
- *aesthetics*



Table „Metal“

Holistic architecture

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- *sustainable design*
- *natural materials*
- *proportions*
- *aesthetics*



Table „Water“

Holistic architecture

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- *sustainable design*
- *natural materials*
- *proportions*
- *language of forms*
- *welcoming shapes*
- *aesthetics*

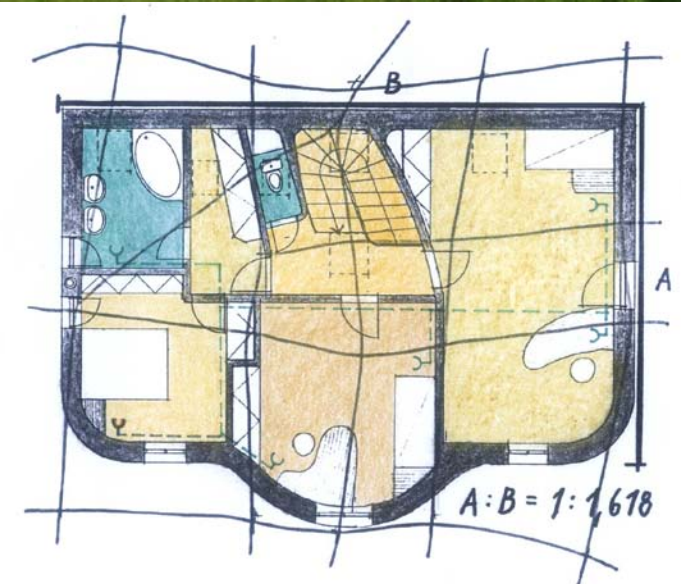
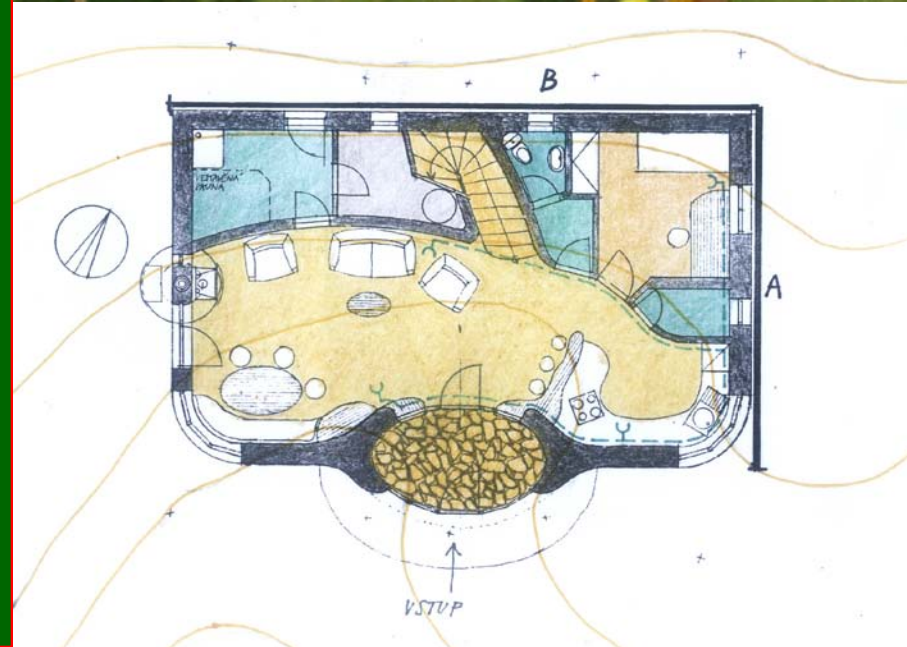


Holistic architecture

space is

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- *finding balance between open and close spaces*
- *placement of stove*
- *empty centre*
- *natural lighting*
- *curves and rounded shapes*
- *natural materials*
- *solar heated house*



Holistic architecture

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- *finding balance between open and close spaces*
- *placement of stove*
- *empty centre*
- *natural lighting*
- *curves and rounded shapes*
- *natural materials*
- *solar heated house*



Holistic architecture

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- *finding balance between open and close spaces*
- *placement of fireplace*
- *empty centre*
- *natural lighting*
- *curves and rounded shapes*
- *natural materials*
- *solar heated house*



Holistic architecture

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Design of children's space

- *finding balance
between open and
close spaces*
- *empty centre*
- *natural lighting*
- *curves and rounded
shapes*
- *natural materials*



Holistic architecture

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- *creation based of subconsciousness*
- *archetypes of shapes*
- *using elementary forces conected with emotions*
- *world of senses and feelings*
- *influence of inspiration and intuition*



Group of social workers modeling the house for mentally ill people



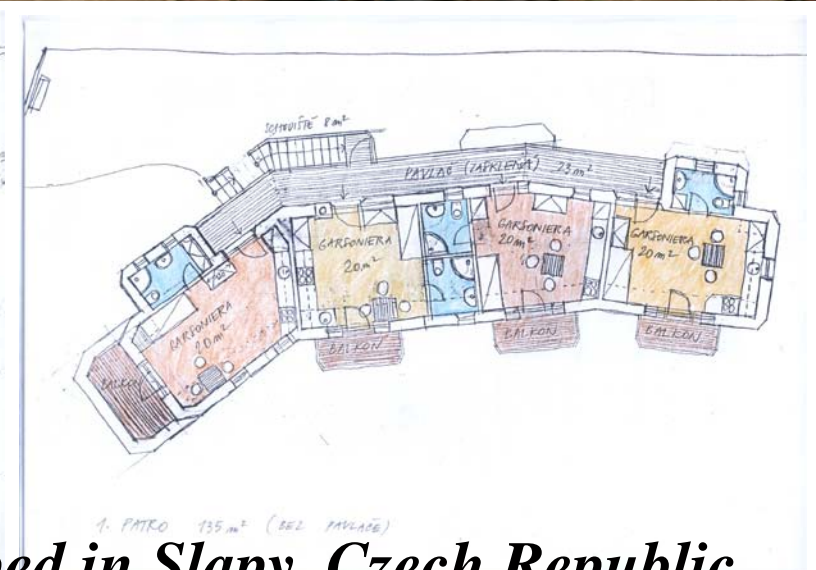
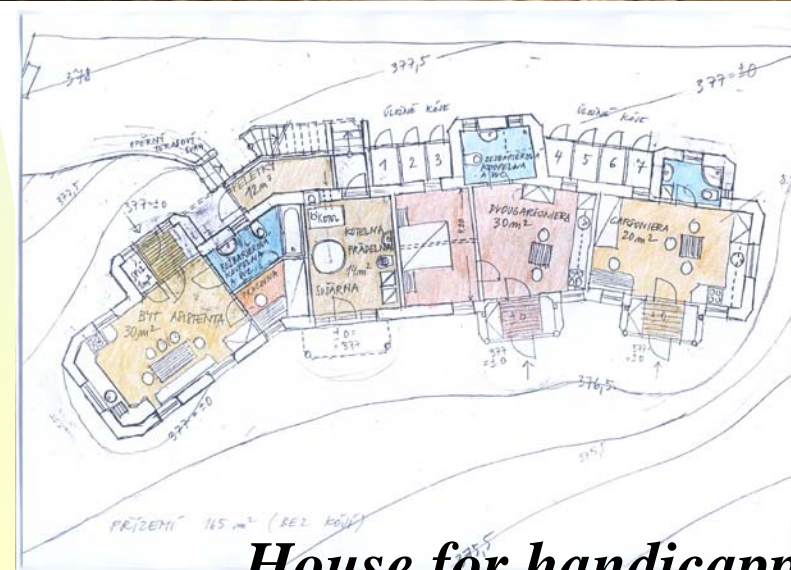
Creating space by modelling

Holistic architecture

space is

*spiritual
emotional
vital
material*

- *designing of space as a nest*
- *finding balance between open and close spaces*
- *open to south*
- *human scale*
- *natural materials*



House for handicapped in Slapy, Czech Republic

Holistic architecture

space is

*spiritual
emotional
vital
material*

- *sustainability
connected with
consciousness*
- *quality of thoughts
influence our space*
- *responsibility*
- *building personal
relation to subtle
levelsof environment*
- *to strengthen the
place with love and
beauty of creation*
- *bliss and happiness*



Holistic architecture

space is

*spiritual
emotional
vital
material*

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