Arquitectura Biológica
Diseño Sustentable
Geometría Sagrada
sacred geometry &
biological architecture
generic core concept
PRIMARY CONCEPT: DNA GEOMETRY, MOLECULE OF LIFE.

CONCEPT RELATED TO THE PLACE: GOLD (WORLD’S PUREST DEGREE IS IN COSTA RICA). GOLD MOLECULE HAS DODECAHEDRON STRUCTURE.

PRIMARY ELEMENT IN CYCLE OF LIFE: WOOD (ETHER, PRANA, CHI, QI, RLUNG).

ELEMENT THAT SUSTAIN AND FEED PRIMARY ELEMENT: WATER.

STATIC GEOMETRY: DODECAHEDRON.

DYNAMIC GEOMETRY: 7 LAYERS OF BRAIDING DNA.

ARCHITECTURAL OPEN SPACES: PENTAGONAL OR DECAGONAL STRUCTURES.

ARCHITECTURAL CLOSE SPACES: HEXAGONAL OR GOLDEN RECTANGLE STRUCTURES.

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DYNAMIC GEOMETRY
7 LAYERS OF BRAIDING DNA
DNA IS A ROPE WITHIN A ROPE WITHIN A ROPE WITHIN A ROPE WITHIN A ROPE
1st level of DNA braiding

pentagon, hexagon, golden rectangle, hexagon, pentagon
pentagon, hexagon, golden rectangle, hexagon, pentagon

1st level of DNA braiding
pentagon, hexagon, golden rectangle, hexagon, pentagon

1st level of DNA braiding
histone octamer
8 sided molecule,
146 nitrogen pairs

2^{th}
level of DNA braiding
2th level of DNA braiding

histone octamer
8 sided molecule,
146 nitrogen pairs

REAL DNA

GEOMETRIC STRUCTURE
histone octamer
8 sided molecule,
146 nitrogen pairs

2th level of DNA braiding
pearl necklace spacer has 54 pairs of nitrogenous bases

3\textsuperscript{th} level of DNA braiding
pearl necklace
spacer has 54 pairs of nitrogenous bases

3\textsuperscript{th} level of DNA braiding
pearl necklace spacer has 54 pairs of nitrogenous bases

3rd level of DNA braiding
pearl necklace spacer has 54 pairs of nitrogenous bases.

3rd level of DNA braiding.
solenoid

hexagon, flower of life

4th

level of DNA braiding
solenoid
hexagon, flower of life

4th level of DNA braiding
solenoid
hexagon, flower of life

4th level of DNA braiding
loop
8 shape

5th level of DNA braiding
loop
8 shape

5th
level of DNA braiding
loop
8 shape

5th
level of DNA braiding
loop 8 shape

5th level of DNA braiding
loop
8 shape

5th level of DNA braiding
6 loops are one rosette, 30 rosettes form 1 turn to the spiral

6th level of DNA braiding
6 loops are one rosette.
30 rosettes form 1 turn to the spiral.

6th level of DNA braiding.
6 loops are one rosette.
30 rosettes form 1 turn to the spiral

6th level of DNA braiding
x shape, torus shape

7th level of DNA braiding
REAL DNA

GEOMETRIC STRUCTURE

x shape, torus shape

7th level of DNA braiding
x shape, torus shape

7th level of DNA braiding