Costruire per il benessere
Bauen für das Wohlbefinden
Carlo Battisti, Living Future Europe
CREATING A REGENERATIVE WORLD
TOGETHER

Our mission is simple: to make the world work for 100% of humanity, in the shortest possible time, through spontaneous cooperation without ecological offense or disadvantage of anyone.”
- BUCKMINSTER FULLER
Instead of a world that is a less bad version of the one that we currently have —
We ask a simple and profound question —

WHAT DOES GOOD LOOK LIKE?
POSITIVE ENVIRONMENTAL IMPACTS

NEGATIVE ENVIRONMENTAL IMPACTS

HIGH PERFORMANCE

SUSTAINABLE

GREEN

CODE

POSITIVE SOCIAL, CULTURAL, AND ENVIRONMENTAL IMPACTS
LIVING BUILDING CHALLENGE 4.0
A VISIONARY PATH TO A REGENERATIVE FUTURE
THE METAPHOR OF THE FLOWER

ROOTED IN PLACE AND YET:
Harvests all energy + water
Is adapted to climate and site
Operates pollution free
Is comprised of integrated systems
Is beautiful
IMPERATIVES

ECOLOGY OF PLACE
URBAN AGRICULTURE
HABITAT EXCHANGE
HUMAN SCALED LIVING

RESPONSIBLE WATER USE
NET POSITIVE WATER

ENERGY + CARBON REDUCTION
NET POSITIVE ENERGY

HEALTHY INTERIOR ENVIRONMENT
HEALTHY INTERIOR PERFORMANCE
ACCESS TO NATURE

RESPONSIBLE MATERIALS
RED LIST
RESPONSIBLE SOURCING
LIVING ECONOMY SOURCING

NET POSTIVE WASTE

UNIVERSAL ACCESS INCLUSION

BEAUTY + BIOPHILIA INSPIRATION + EDUCATION
PLACE

Restoring a Healthy Relationship Between Nature, Place and Community

- I-01 ECOLOGY OF PLACE
- I-02 URBAN AGRICULTURE
- I-03 HABITAT EXCHANGE
- I-04 HUMAN SCALED LIVING

SCALE JUMPING PERMITTED FOR
I-02 URBAN AGRICULTURE
I-04 HUMAN-SCALED LIVING
Theiner's Garten Bio Vitalhotel, Gargazon (BZ)
HEALTH + HAPPINESS

Fostering Environments that Optimize Physical and Psychological Health and Well Being

I-09 HEALTHY INTERIOR ENVIRONMENT
I-10 HEALTHY INTERIOR PERFORMANCE
I-11 ACCESS TO NATURE
IAQ TESTING or MONITORING
Carbon Dioxide
Carbon Monoxide
Respirable Suspended Particulates
Total Volatile Organic Compounds
VOC LIMITS

Comply with CDPH Standard Method v1.1-2010
CLEANING PROTOCOLS

EPA Design for Environment
23.5% reduction in headache symptoms when provided outside air.

69% reduction in asthma when schools upgraded to displacement ventilation to increase fresh air.

14.4% improved standardized math test scores in ventilation rate higher than 4.5 l/s per person.

57.1% reduction in sickness absence & 16.7% reduction in doctor visits when people had access to natural ventilation.
6-7% faster problem solving when seated with view to vegetation.

19% reduction in headaches when access to task lighting

26-41% reduction in length of hospital stay in bright sunlight room.

10-15% increased mental function and memory recall when access to view.

7-26% higher test scores in children with access to natural daylight.

Evidence has shown that natural daylighting can improve nursing performance, leading to a decrease in errors.
IRRESISTIBLE STAIRS

ACTIVE DESIGN

For those occupants and visitors who are able, an “irresistible stair” with generous views of the city promotes stair use and human health.

- 1.5 lbs annual weight reduction from climbing two Bullitt Center stairs every day for a year
- 1 lb annual weight gain (for the average American)

68% trips by stairs
32% trips by elevator

Taking the stairs reduces electricity usage, contributing towards the Bullitt Center’s energy efficiency goal.

Methods used by Bullitt Center occupants to ascend from 2nd to 6th floors.
Etsy HQ, Brooklyn, New York (USA)
Cyprianerhof, Tiers am Rosengarten (BZ)
BEAUTY
Celebrating Design That Uplifts the Human Spirit

- I-19  BEAUTY + BIOPHILIA
- I-20  EDUCATION + INSPIRATION
“The urge to affiliate with other forms of life.”
~E.O. Wilson
BIOPHILIC DESIGN
Connecting people with nature in the built environment

David and Lucile Packard Foundation HQ, Los Altos, California (USA)
<table>
<thead>
<tr>
<th>CARATTERISTICHE AMBIENTALI</th>
<th>STRUTTURE E FORME NATURALI</th>
<th>PATTERN E PROCESSI NATURALI</th>
<th>LUCE E SPAZIO</th>
<th>RELAZIONI BASATE SUL LUOGO</th>
<th>RELAZIONI EVOLUITE TRA UOMO E NATURA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colore</td>
<td>Motivi botanici</td>
<td>Variabilità sensoriale</td>
<td>Luce naturale</td>
<td>Connessione geografica al luogo</td>
<td>Prospettiva e rifugio</td>
</tr>
<tr>
<td>Acqua</td>
<td>Supporti con alberi e colonomari</td>
<td>Ricchezza di informazioni</td>
<td>Luce filtrata e diffusa</td>
<td>Connessione storica al luogo</td>
<td>Ordine e complessità</td>
</tr>
<tr>
<td>Aria</td>
<td>Motivi con animali (principalmente vertebrati)</td>
<td>Eta, cambiamento e patina del tempo</td>
<td>Luce e ombra</td>
<td>Connessione ecologica al luogo</td>
<td>Curiosità e seduzione</td>
</tr>
<tr>
<td>Luce del sole</td>
<td>Conchiglie e spiralì</td>
<td>Crescita e fioritura</td>
<td>Luce riflesia</td>
<td>Connessione culturale al luogo</td>
<td>Cambiamento e metamorfosi</td>
</tr>
<tr>
<td>Pianta</td>
<td>Forme a uovo, ovali e tubolari</td>
<td>Punto focale centrale</td>
<td>Pozza di luce</td>
<td>Materiali locali</td>
<td>Sicurezza e protezione</td>
</tr>
<tr>
<td>Animali</td>
<td>Archi, volute, cupole</td>
<td>Insiemi di motivi ripetuti</td>
<td>Luce calda</td>
<td>Orientamento nel paesaggio</td>
<td>Maestria o controllo</td>
</tr>
<tr>
<td>Materiali naturali</td>
<td>Forme che resistono a linee rette e angoli retti</td>
<td>Spazi delimitati</td>
<td>Luce come forma e sagoma</td>
<td>Caratteristiche nel paesaggio</td>
<td>Affetto e attaccamento</td>
</tr>
<tr>
<td>Viste e panorami</td>
<td>Simulazione di caratteristiche naturali</td>
<td>Spazi di transizione</td>
<td>Spaziosità</td>
<td>Gli altri</td>
<td>Attrazione e bellezza</td>
</tr>
<tr>
<td>Facciate verdi</td>
<td>Blomorfismo</td>
<td>Serie e concatenamenti</td>
<td>Variabilità spaziale</td>
<td>Esplorazione e scoperta</td>
<td>Espiazione e conoscenza</td>
</tr>
<tr>
<td>Geologia e paesaggio</td>
<td>Geomorfologia</td>
<td>Integrazione delle parti in interi</td>
<td>Spazio come struttura e forma</td>
<td>Informazione e conoscenza</td>
<td>Faura e meraviglia</td>
</tr>
<tr>
<td>Habitat ed ecosistemi</td>
<td>Blonimesi</td>
<td>Contrasti complementari</td>
<td>Armonia spaziale</td>
<td>Venerazione e spiritualità</td>
<td></td>
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Legenda:
- **Elementi di progettazione biofila e attributi corrispondenti**
- **Caratteristiche Ambientali**
- **Strutture e Forme Naturali**
- **Patterns e Processi Naturali**
- **Luce e Spazio**
- **Relazioni basate sul luogo**
- **Relazioni evolute tra uomo e natura**
Adler Lodge Alpe, Seiser Alm (BZ)
Grazie! Danke!

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