

BIP Design Project

EXCENTRIC LAB: GREENWALL GARDEN AND GREEN POINT FOR BALICKA CAMPUS

DESIGN AND IMPLEMENTATION OF A GREEN SPOT ON THE UAK CAMPUS AT BALICKA STREET IN KRAKÓW (POLAND)

BASIC INFORMATION

THEME

The subject of the study is the design and construction of a Green Point on the UAK Campus at Balicka Street in Kraków. The main spatial element of the premise will be an experimental, autonomous green wall, which, in addition to its aesthetic function, will be part of the rainwater retention system on the Campus.

Students work in international groups (3-5 people), each group independently.

PROGRAM

The Green Spot is intended to be a meeting and discussion place for students of Landscape Architecture and Spatial Management, as well as a place for rest and contemplation in a green environment.

Dimensions of the Square: 3.0 x 3.0 meters in plan, and 2.20 meters high for the green wall.

Elements of the Square:

- pavement with substructure (selection from the sponsor's proposals and implementation by the participants),
- green wall on a stand-alone structure (made by Program participants),
- photovoltaic panel/panels (sponsor or purchase under the Program and implementation by participants),
- rainwater retention system (made by Program participants),
- table/table (choice from sponsor's proposal),
- bench (1-2 pcs) (choice from the sponsor's proposal),
- trash garbage can (choice from the sponsor's proposal),
- autonomous lighting, based on photovoltaics (choice from the sponsor's proposal).

TASKS

1. development of the Green Point program.
2. Selection of a site for the location, from among three proposed (A, B or C).
3. Determination of physical and technical parameters of the project.
4. Implementation of a multi-discipline project (architecture, construction, horticulture, water retention, photovoltaics).
5. Implementation of the project on the Campus.

PROJECT SCOPE

1. location of the Point 1:500 (1:1000).
2. Sketch conceptual design - for approval.
3. development plan 1:100.
4. premise plan 1:10.
5. cross-sections 1:10.
6. orthogonal views 1:10.
7. details 1:5, 1:2, 1:1.
8. bird's-eye views.
9. views from human level.
10. Green wall design - construction, technology selection and plant selection.
11. water retention design.
12. Electrical power supply project - construction, choice of technology and selection of photovoltaic panels.
13. technical description.
14. preparation of the exhibition board.

FINAL EFFECT

1. selection of one design solution for implementation.
2. implementation of the Green Point on the Campus by all project participants:
 - delineation of the space for implementation,
 - construction of the green wall with all installations,
 - execution of the surface of the Point,
 - setting up the elements of small architecture (ready-made sets from sponsors),
 - opening of the facility.

COMPETENCES

1. ability to work in international project teams.
2. to obtain knowledge in the field of:
 - design of landscaping facilities,
 - implementation of green walls,

- rainwater retention,
- application of renewable energy in the implementation of garden facilities,
- practice in the field of implementation.

BACKGROUND MATERIALS

1. site -elevation map of the study area (dwg and pdf).
2. bird's-eye views of the area.
3. photographs of the existing condition of the study area.
4. Recommended landscaping elements of choice (prepared by sponsor(s)).

BIBLIOGRAPHY

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