The proposed building for ONE Lab Educational Facility at the Brooklyn Navy Yard is informed by an approach that values both ONE Lab community and the members of NEW Lab community. By fully utilizing its unique shape of the DEEP root, a solid architectural body which provides usable floor space for ONE Lab projects is placed at the southeast of the building, penetrating into the main part of Navy Yard. The green part where the entrance is located is added to the public (NEW Lab) community along with the roof as a southwest site. The upper body works as House I. One Lab members can convene and add the green part, both outside and inside, which is "House" for the community of NEW Lab, where various activities and collaborative works can take place to create synergy effect of ongoing ONE Lab projects. The entrance space and stairs are placed on a site of 1:38 from the entrance floor. The very top of housing marks the unconventionality between House and Yard.

Overall, 2 floors of the building built in a Pendant style on the first floor, and the green part will provide the viewing presence when seeing from NEW Lab community. One Lab’s purpose to create collaborations with its green part is to be able to maximize influence to NEW Lab as it even further with the House II. One Lab also get the possible interference in the projects and the set of floors connecting the House and Yard will provide enough space for new and fresh collaborative one. With a number of alterations for the roof shape and its program, ONE Lab can create unique space containing the characteristic of their project.

The structure of the building is extended from existing columns and beams and additional beams and beams. The use of the green roof and above the "House II" will be reinforced with additional columns and beams to support the load from various interior parts of Yard. Considering the advantage of market to structure, the House II will be transformable on demand of ONE Lab projects.
Metal Plate Cap
- Sloped side is placed towards southeast direction for sunlight.
- Avoid overheating by using shiny metal plate and Comb pattern openings will prevent from direct sunlight.

Added Structure
- Support metal plate cap and slabs.

Sloped Acoustic Ceiling
- Sloped ceiling will naturally provide good acoustic condition from bottom to top.

Faculty Floor (4F)
- Studio
- Lab
- F = up

Yard Alternations
- Using existing sloped roof, not only ONE Lab members but also NEW Lab community will have chances to share and collaborate their ideas on transformable roof. Following alternations can provide different activities in different condition.