

UNDULATING HORIZONS - An Ecological Institute on Newtown Creek in Form of Water

Part-Multiparts-Whole, Urban Context & Ecological Consideration

Starting from exploring the materiality of water, the class was asked to develop a conceptual/ abstract system that could self-iterate to create the spatial prototype which later on fit the programs of an ecological institute that provide both a laboratory space that monitor the Newtown Creek ecological index and public spaces including two daylit galleries and an auditorium.

In my case, by exploring the recreation of the imagery of the water in which inhabitable spaces form by boundaries of undulating surfaces, I experimented with different spital prototypes. One of them overcomes others, which provides an intertwining scheme that bonds programs together while using a rectangular profile to create a continuous waterfront. Trigular splits not only became the structure that formed a giant colonnade, across which the vessel can pass through but also created undulating spaces that could fit in the servant programs. The undulating roof landscape forms a picturesque experience while weaving between two levels creates shortcuts that connect the entrances directly.

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Individual Work

