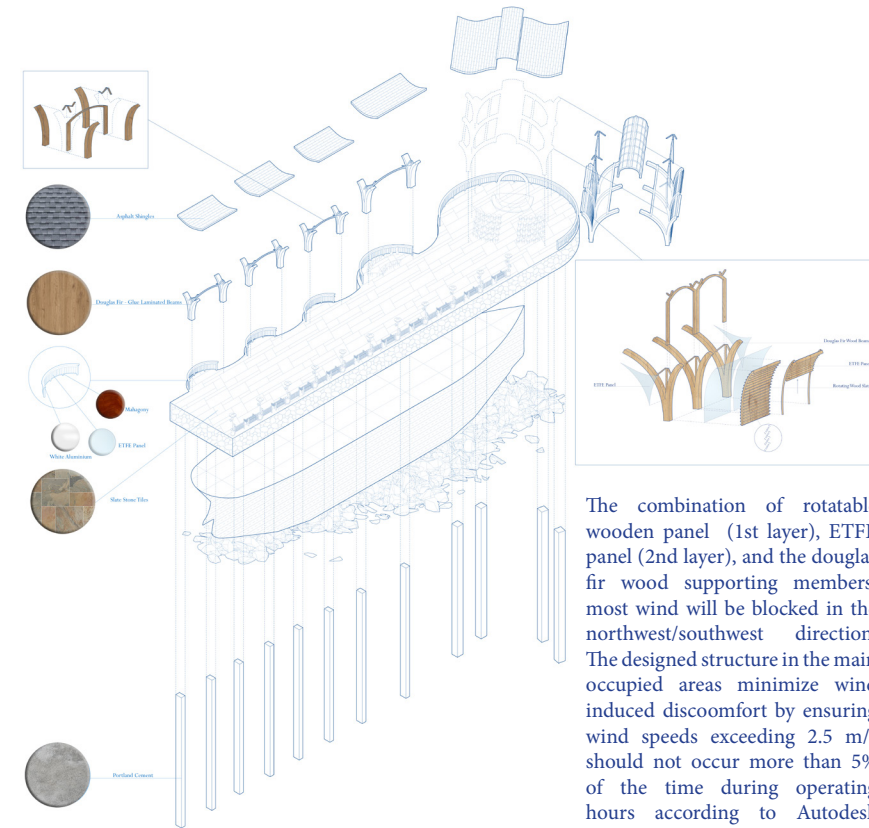
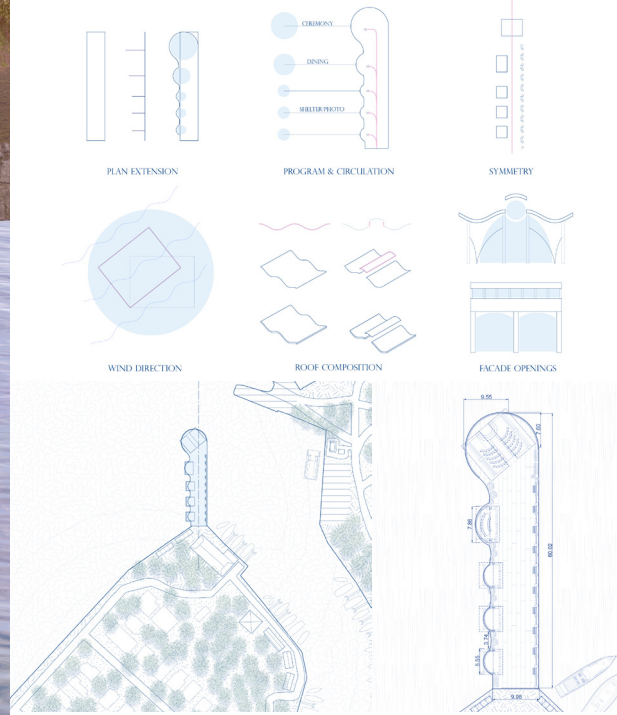




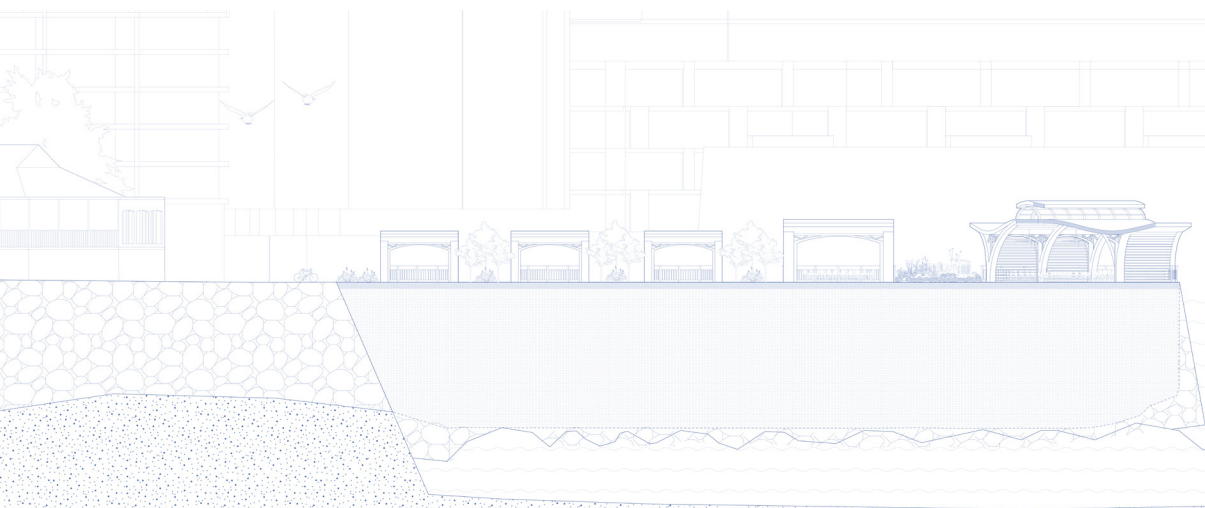
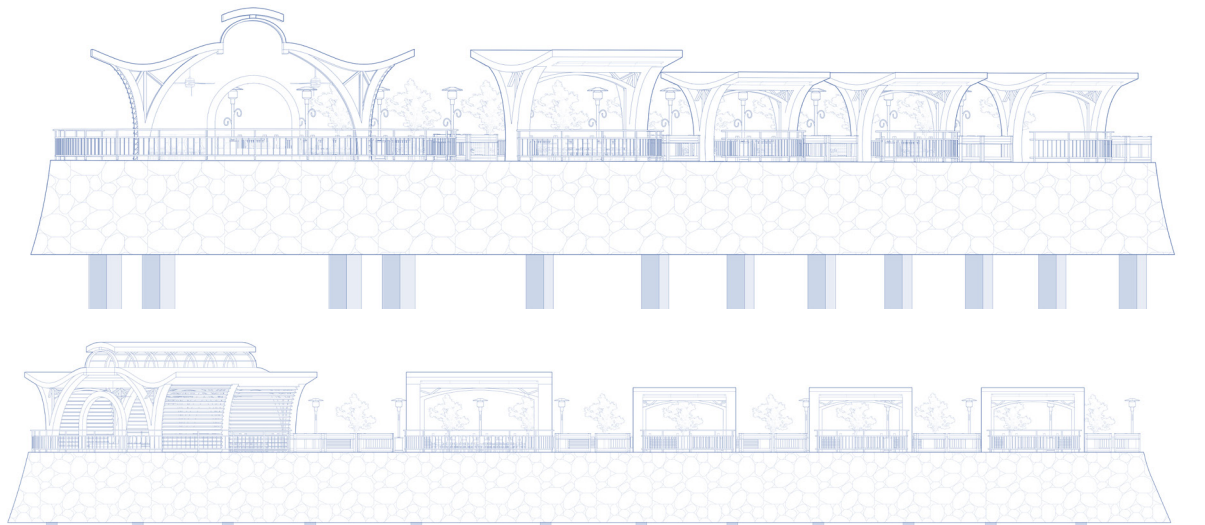
# Everflow Belvedere

Designed by Laraine Lam with 3 engineering students and 2 architecture students in a studio project  
 School: University of Toronto

Everflow Belvedere is characterized by a series of increasing canopies that terminate at the main pavilion, atop the bow of the existing breakwater. Its primary function is to host weddings, but it serves as a multifunctional community space, allowing for dining and communal use. Each canopy faces the Toronto skyline, and the main pavilion is angled to focus its backdrop as the skyline. The path is the first act of ceremony, lined with seating and lighting to guide users towards the main pavilion, building anticipation.



The combination of rotatable wooden panel (1st layer), ETFE panel (2nd layer), and the douglas fir wood supporting members, most wind will be blocked in the northwest/southwest direction. The designed structure in the main occupied areas minimize wind induced discomfort by ensuring wind speeds exceeding 2.5 m/s should not occur more than 5% of the time during operating hours according to Autodesk Forma ind analysis based on Lawson wind comfort criteria.



The Queen City Yacht Club (QCYC), a sailing club located on the Toronto Islands, is remediating the S.S. Rapids Queen, a decommissioned steel vessel acting as a breakwater for the QCYC's inner harbour, for plans to transform it into a rip-rap breakwater with a flat, usable surface on top. The design's primary function is to promote QCYC community interactions by guiding users through the design and providing a flexible space for users to gather, with emphasis on functioning as a wedding ceremony space. The design's main objectives are to enhance the views of the Toronto skyline, integrate well with the island visually, provide adequate illumination, and be reconfigurable to accommodate multiple types of events. Additionally, the design will not exceed the height of the QCYC nor reduce the effectiveness of the current breakwater.