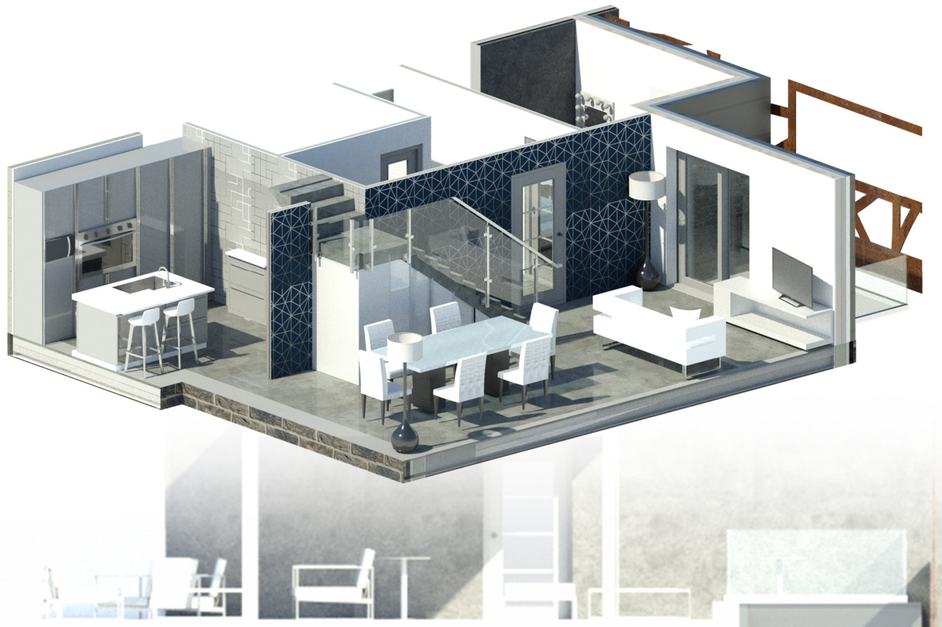
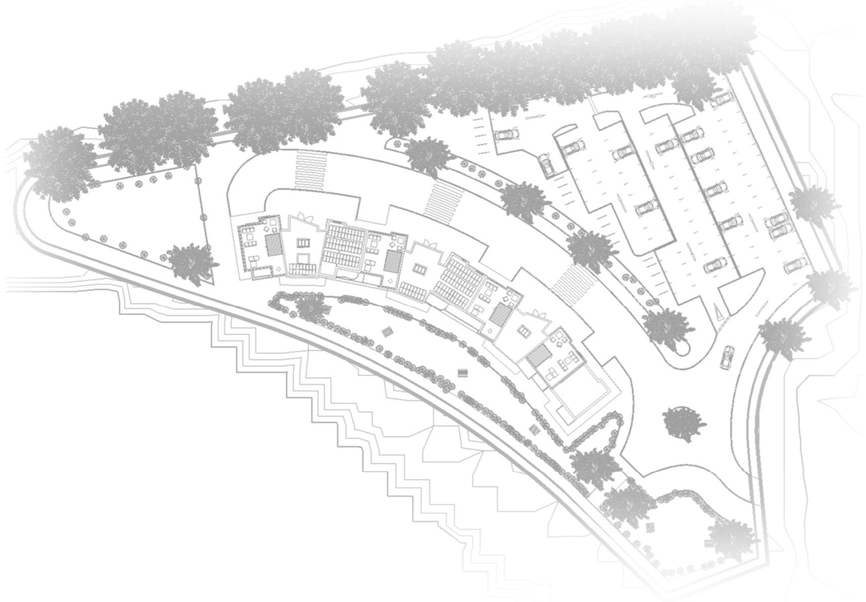
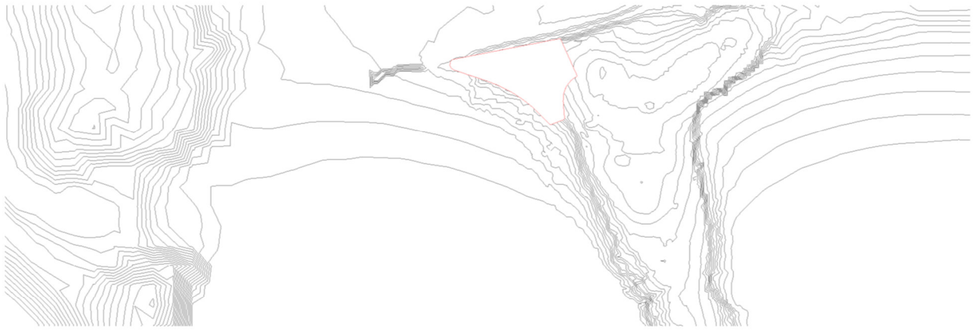
The main concept of the project is to incorporate the natural marine environment, use light and natural materials to enhance the costal setting and harnessing the beauty of the Welsh coast, while introducing innovative technology and methods to create a sustainable and ecologically impactful design. The hybrid structure and ecologically beneficial cladding systems allows an efficient and effective construction phase, reducing the environmental impact and enhancing the welsh costal region. The use of neutral grey colors to blend the natural colors of the welsh coast and the Corten façade integration fuses rural and rustic elements to aesthetically intergrade the building and the entire coastal site into the marine environment

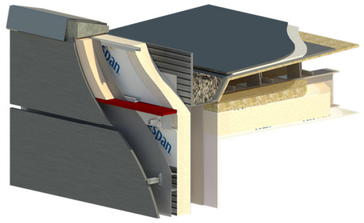




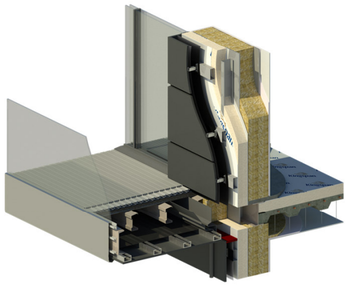
The Friars Point project is a mixed-use scheme of apartments and work units, taking maximum advantage of the site and potential views by integrating the building with the landscape. The proposal demonstrates best practice in sustainable and ecological design. The site located within Barry Island Marine Conservation region is situated on the headland of Barry Harbor, exposed to the seafront on south, west and north side, neighboring Barry Island Pleasure Beach and opposing the headland of the Cold Napp. The near 3 acre site has harsh coastal inclines, and large consistent slope. The site proposal maximizes the space within the near half a kilometer perimeter, efficiently reducing environmental impact of construction and using the natural exposure and coverage to harness the marine environment to enhance the natural Welsh coastline



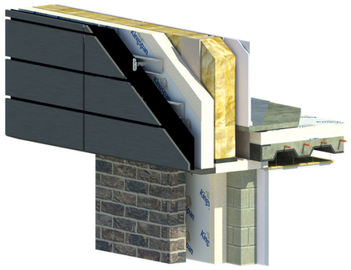
PARAPET



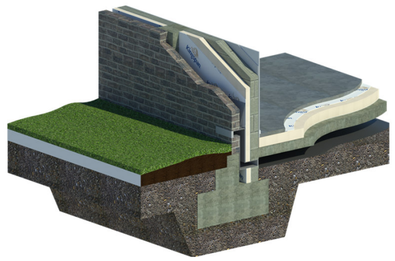
BALCONY



OVERHANG



FOUNDATION



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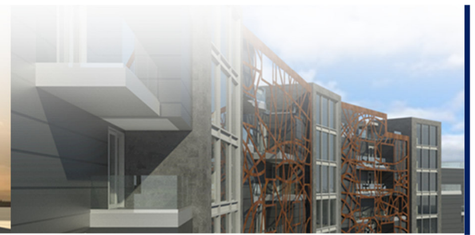
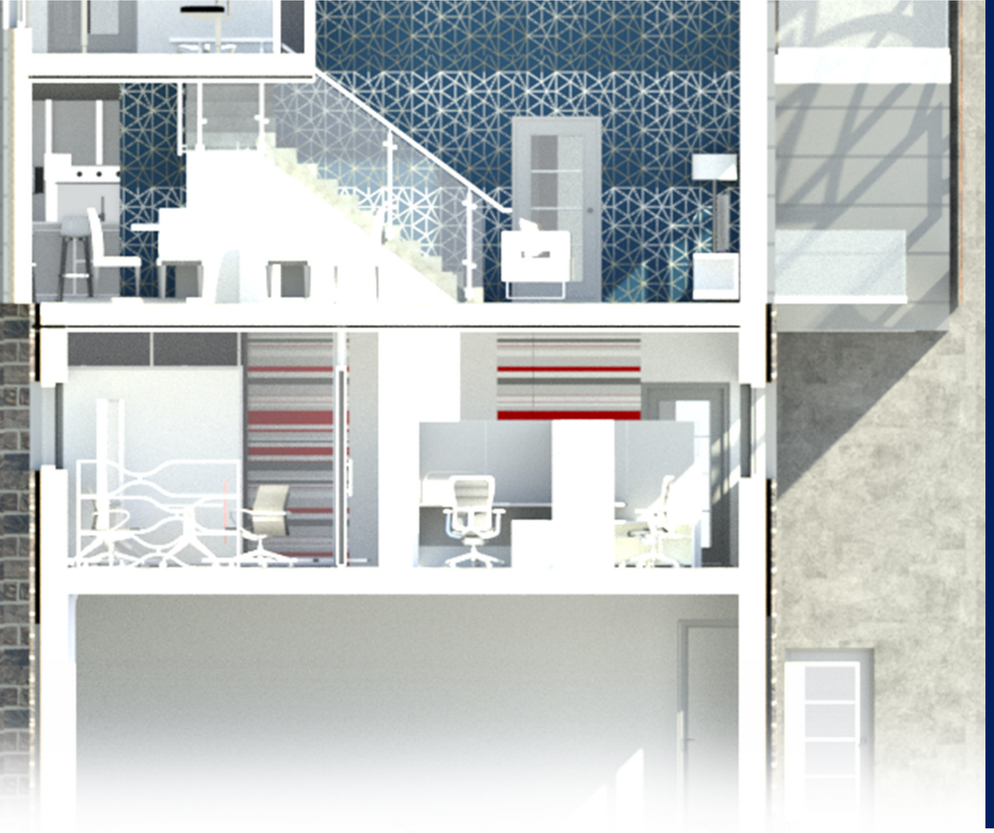
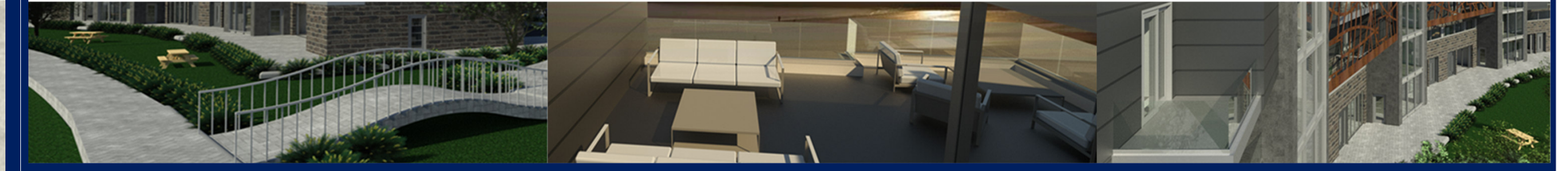
FRIARS POINT DEVELOPMENT PROJECT







The building is designed to maximize the exposure to the marine environment while protecting the building to increase the life span by harnessing the natural elements and in-cooperating them into the design. The open plan floor layouts and large glazing areas allows a constant flow of light and air through the building. By defusing the light through the Corten façade the light moves through the main living spaces and creates a healthy and warming atmosphere. The light and sea view is a major deign element and large focus is on the south side se front external views. Along with in-cooperating open plan systems to light and ventilate the building. Many other key technology's have been used throughout the site to massively reduce the environmental impact of this design. A great focus on rainwater collection systems which harness the common wet marine environment and redistribute this water to an open loop water sourced heat pumps built underground in the high moisture ground. This is electrically powers by solar energy collected by the multi levelled solar collectors. Along with innovative solutions to heating and electrically powering the design, other technologies such as SUDS, green spaces, permeable pavement and increased cavity's on south side walls all have a significant role to increase the lifespan of the building and enhancing the environment

LEVEL 6

LEVEL 4

LEVEL 1

LEVEL 0