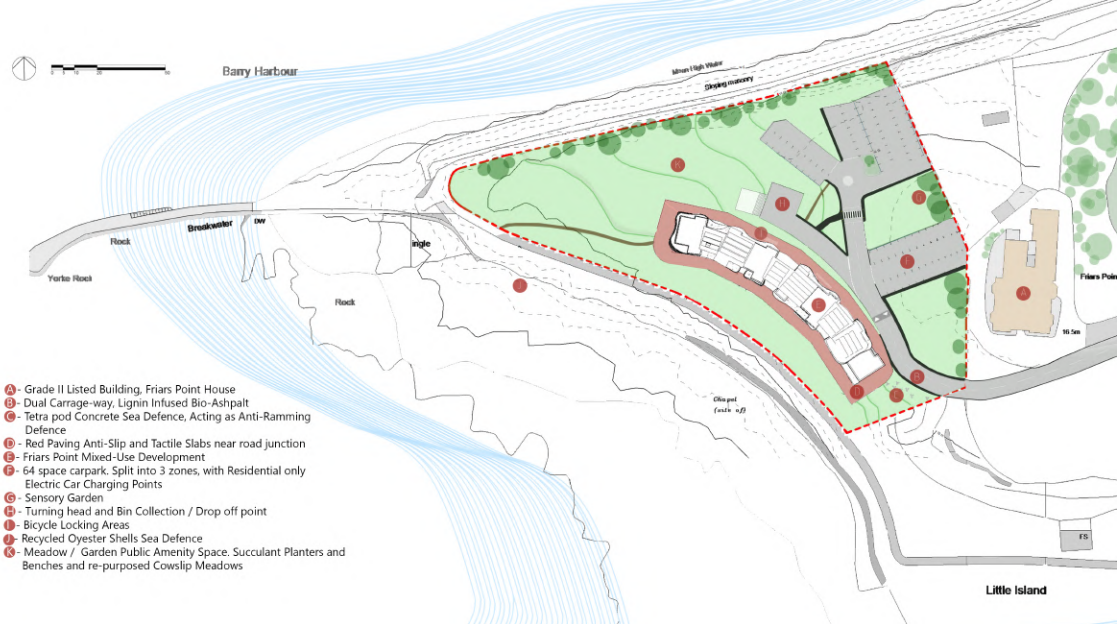
# FRIARS POINT DEVELOPMENT

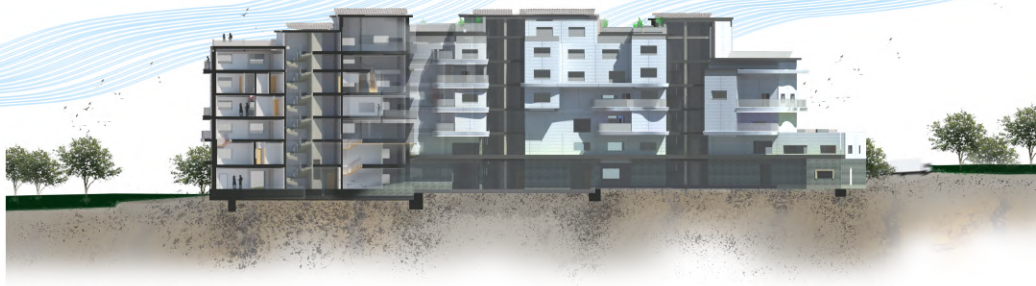
Sam Tumbridge ST20124766

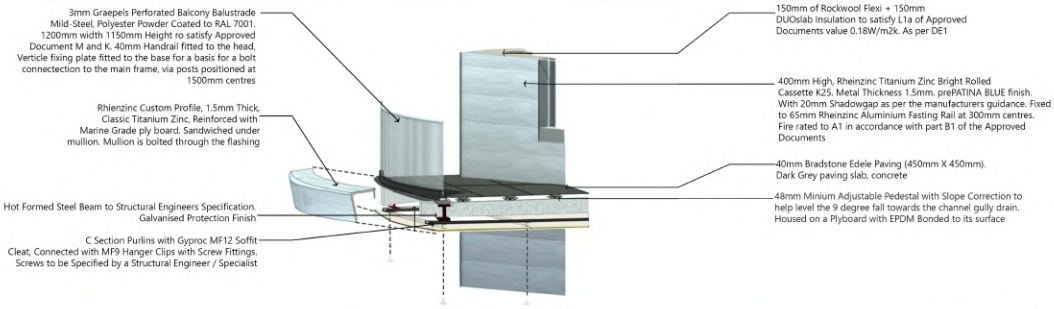
Friars point building development will become a sustainability beacon for the South-Wales region. The mixed-use development contains public workshop spaces, private offices and high-end residential apartments.

The sustainability credentials have been achieved through specification. Through over-achieving on U-values set out with Building Regulations, the building is thermally air-tight and achieves an A rating on its energy performance certificate.
Embodied energy has been reduced within the buildings frame through specification of materials which are predominantly recycled and can be completely recycled after the building's life cycle. This includes the reduced use of high embodied materials such as concrete.
Ecological features such as green energy harvesting have been made possible through the specification of highly efficient monocrystalline solar PV's which cover the buildings flat roofs at a high level. These PV's remain unseen from an eye level to keep the architecture prowess intact.
The buildings facades are clad in a self-cleaning and maintaining Titanium Zinc blend material which has a pre-patina finish meaning the buildings appearance will not change under the salt-air conditions. This material has a low shine when exposed to sunlight and has a golden/blue hue when the weather is cast over.
The balconies form sinuous curves surrounding the building, mimicking the form of rolling waves which are a predominant feature of the coastal setting. This gives each apartment the ability to have truly unique views of the stunning Welsh coastline.

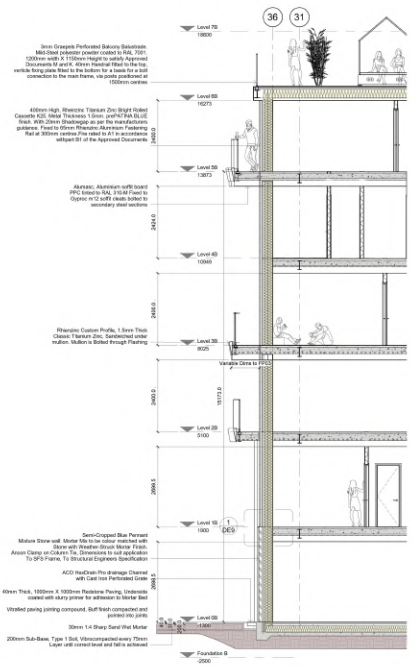



- A - Grade II Listed Building, Friars Point House
- B - Dual Carrage-way, Lignin Infused Bio-Ashpalt
- C - Tetra pod Concrete Sea Defence, Acting as Anti-Ramming Defence
- D - Red Paving Anti-Slip and Tactile Slabs near road junction
- E - Friars Point Mixed-Use Development
- F - 64 space carpark. Split into 3 zones, with Residential only Electric Car Charging Points
- G - Sensory Garden
- H - Turning head and Bin Collection / Drop off point
- I - Bicycle Locking Areas
- J - Recycled Oyester Shells Sea Defence
- K - Meadow / Garden Public Amenity Space. Succulant Planters and Benches and re-purposed Cowslip Meadows






Floor plans level 4 + 5 have simular layout to level 3. Mixture of singular and duplex apartments. Image 1a relates back to Floor Plan Level 2, point 1a. Image 2a realtes to floor plan Level 0. Image 3a relates to Floor Plan Level 1




- Rheinzinc Bright Rolled Blue PRE PATINA Finish Cassette
- Semi-Cropped Blue Pennant Welsh Natural Stone with Sandstone Quoining around window reveals
- Repurposed Cowslip Meadow Brown Roof
- Pilkington Insulight SUN, Artic Blue tinted Glazing
- Alumasc Aluminium Soffit Board tinted to RAL 310-M
- Bitumen Bonded Ply-Membrane