



View from the Level 6 roof terrace: external break-out space for the Executive Education spaces with panoramic views across the city

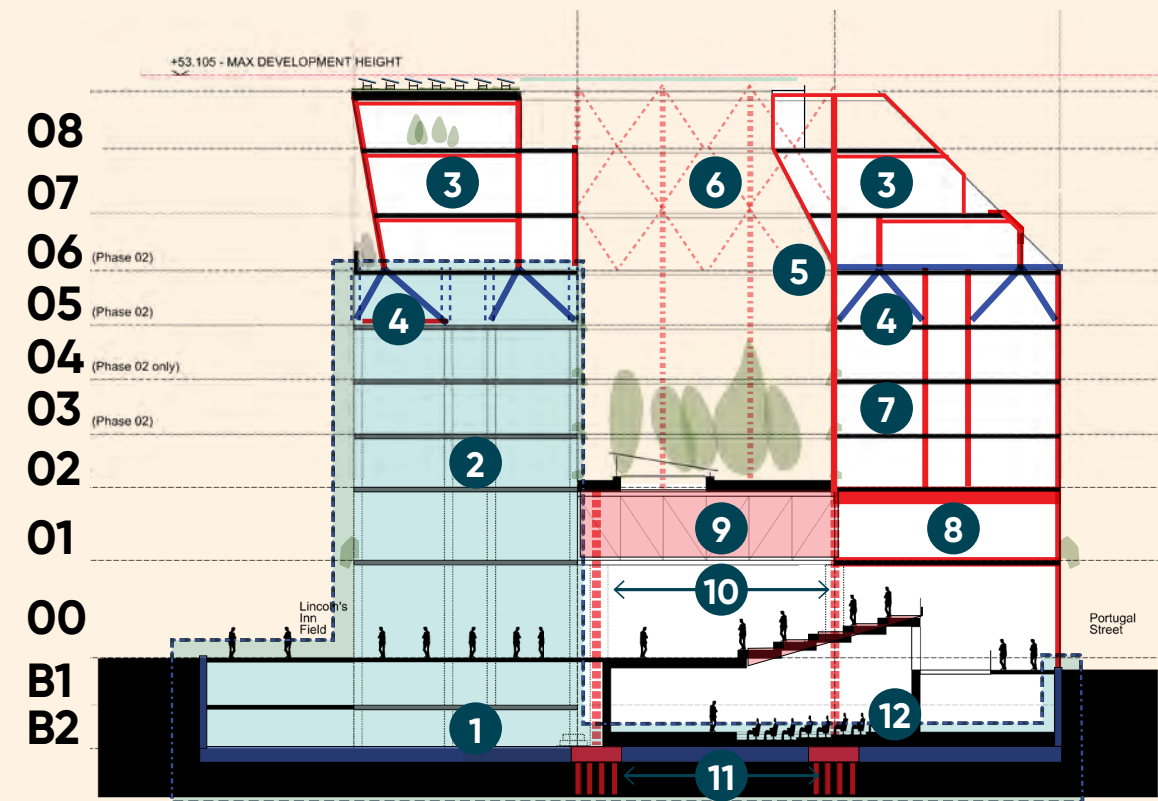
The Top Floor Dining enjoying access to a pair of external Garden Terraces and a semi-enclosed Orangery



A Global symbol of Civility for the LSE

Coalesced into a building that reflects the Ancient with the Global and the Local, we have striven to develop a place with deeper meaning and character, yielding a bespoke, timeless building with gravitas. Within this 'whole', the importance of the individual is of equal import, whether it be the human-scale detail of the academic twin-window, or the engagement with roof-garden space, or the pedagogical opportunities of the bespoke learning spaces.

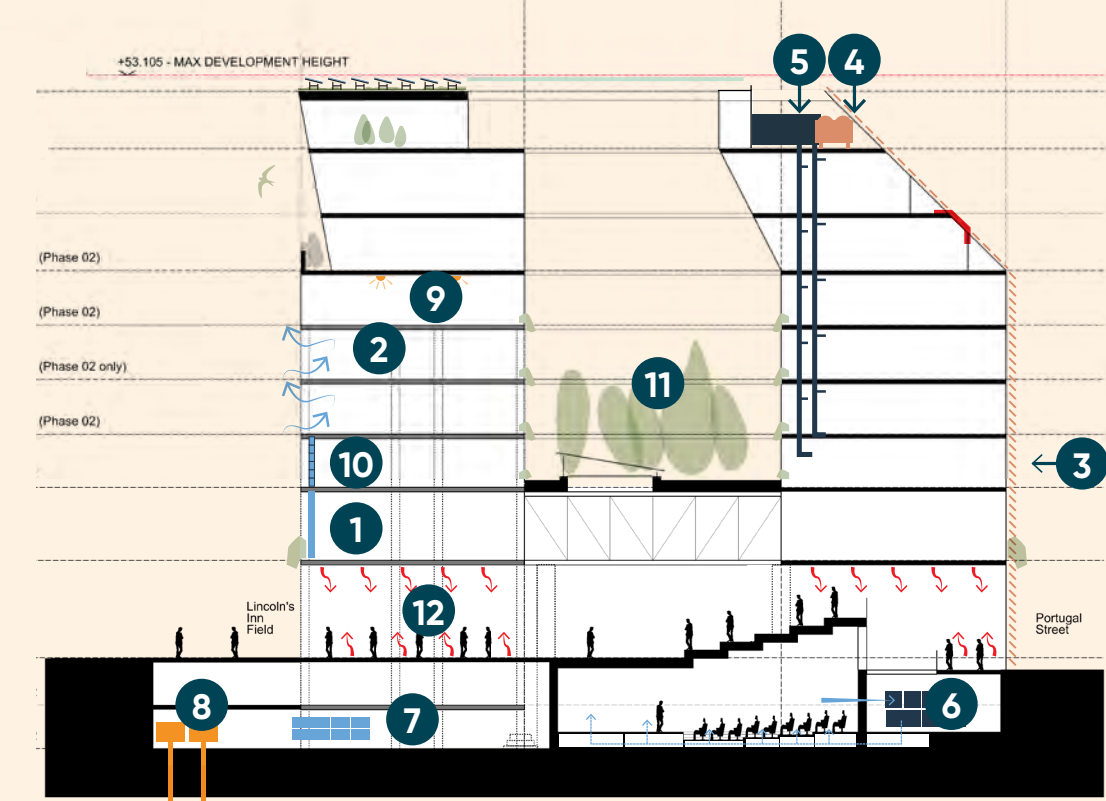
Structural Design Strategy



Reducing Embodied Carbon

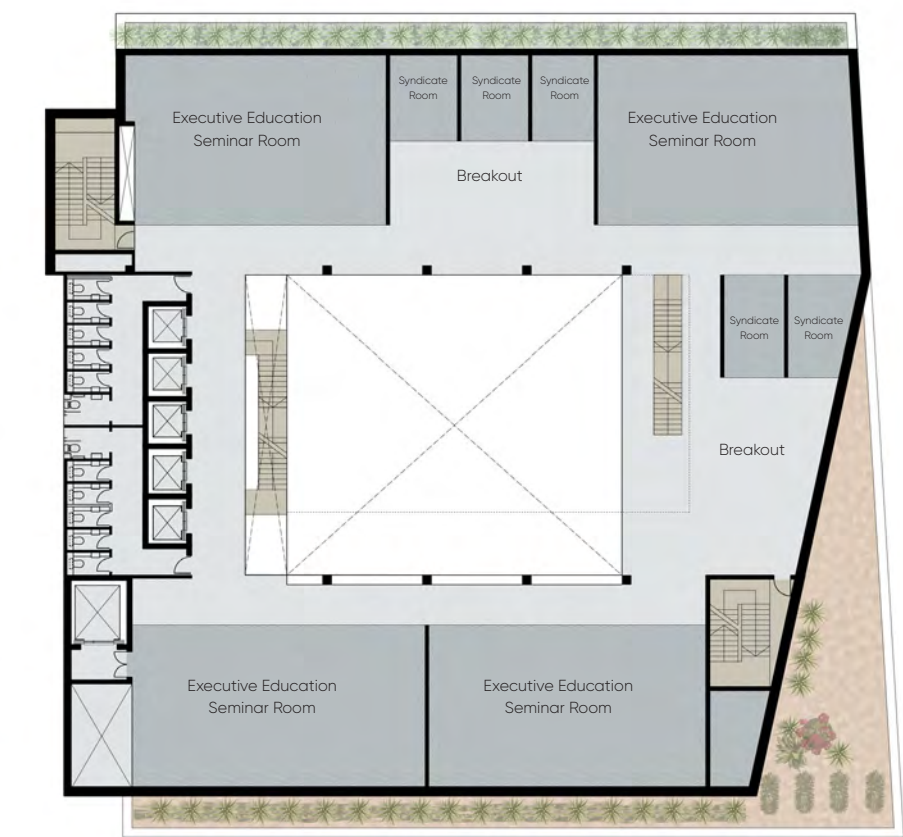
- 1. Retained footings, basement slab and walls
- 2. Retained LIF concrete frame
- 3. Long span glulam timber structure to suit flexible Executive Education floors
- 4. Storey height transfer aligned to cellular office partitions (incorporating reused structural components where possible)
- 5. Location of steel + concrete compartment floor to Portugal Street side
- 6. Bracing to elevations as transfer structure to support upper levels
- 7. New timber/timber composite floor plates
- 8. Clear spanning steel transfer beam at L01
- 9. Storey height transfer trusses (steel) supporting superstructure over agora
- 10. Four primary columns (concrete encased steel)
- 11. New piled foundations to primary columns
- 12. Reused Portugal Street frame components supporting agora

Environmental Design Strategy

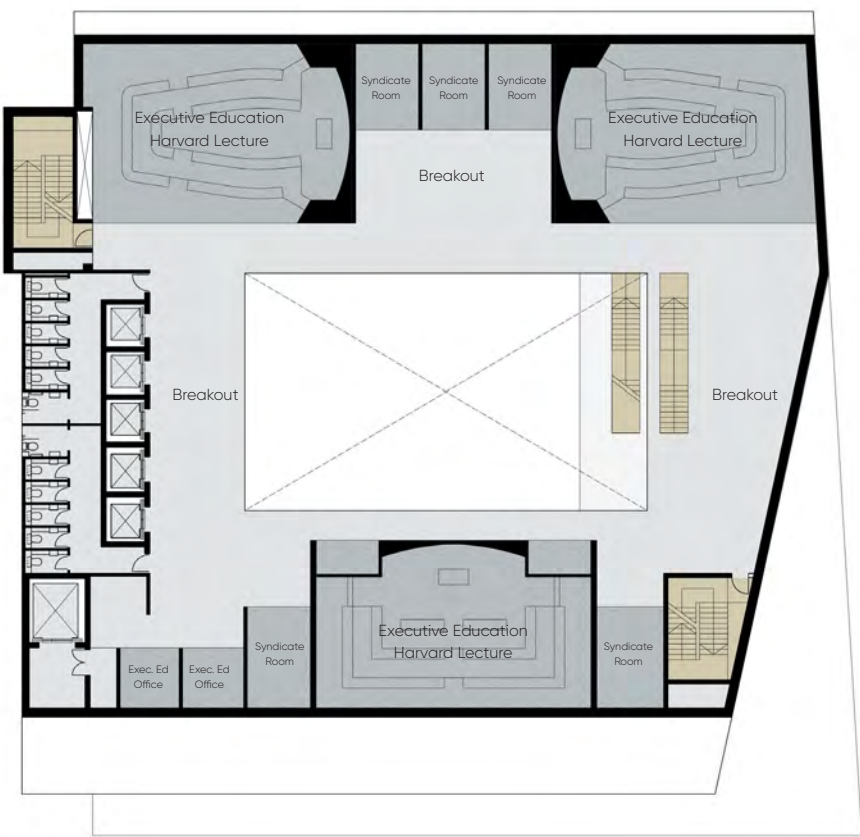


Improving Operational Performance

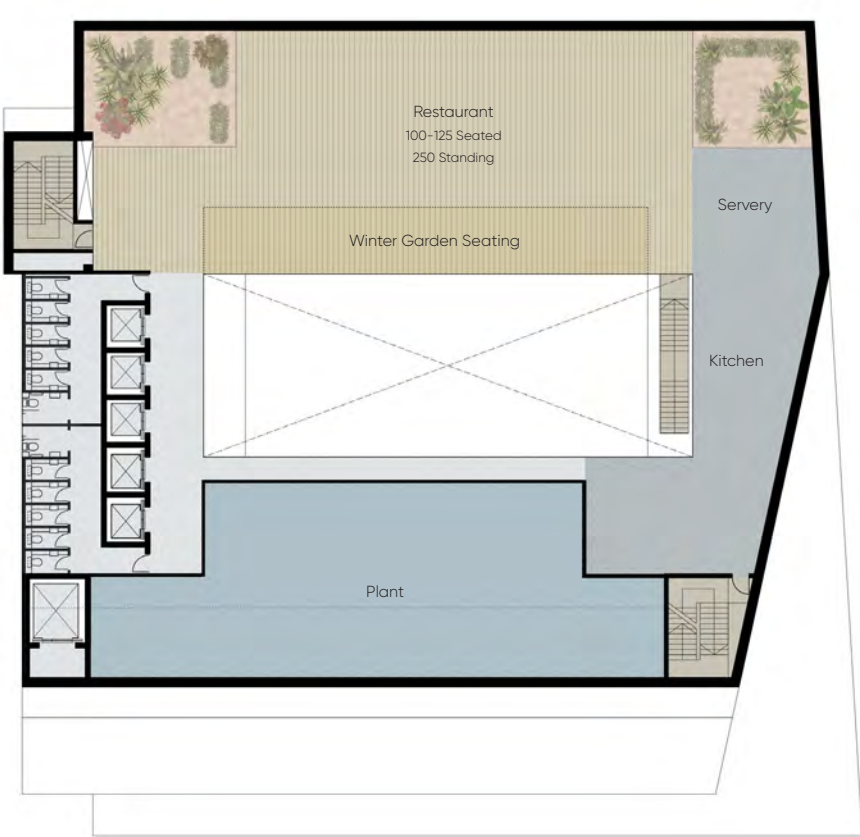
- 1. High performance facade, high insulation, low air leakage = fabric first approach
- 2. Operable windows in office areas allow natural ventilation when external temperature is appropriate
- 3. Shading and low G value glazing on southern facades reduces cooling load
- 4. High efficiency reversible heat pumps provide heating and cooling
- 5. Air handling unit to provide minimum fresh air to spaces
- 6. Local dedicated AHU provides heating and cooling
- 7. Water storage tank feeds low flow fixtures and fittings
- 8. Ground source heat pump to provide heating and cooling baseload
- 9. LED lighting throughout with occupancy sensing and daylight dimming
- 10. Mass inside facade provides heat sink for night time purge
- 11. Trees and perimeter planting provide local microclimate shade and transpirative cooling



Level 6 - Executive Education

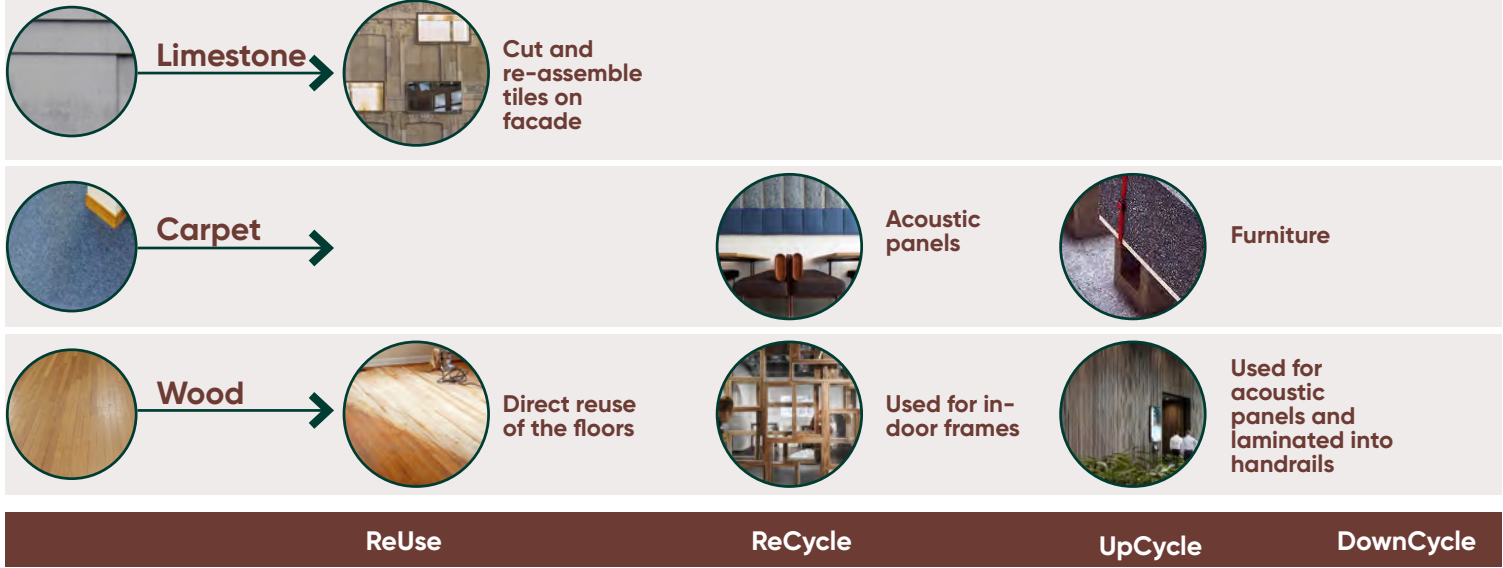
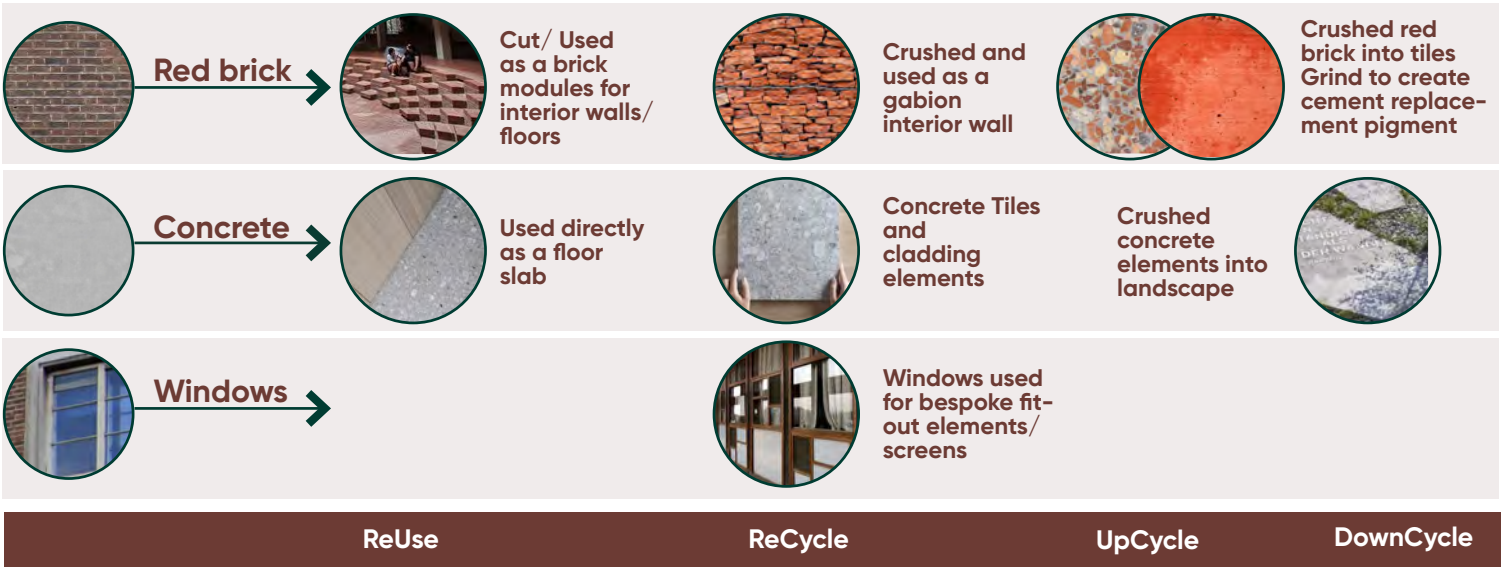


Level 7 - Executive Education



Level 8 - Restaurant

Maximising the re-use of the partially dismantled building



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