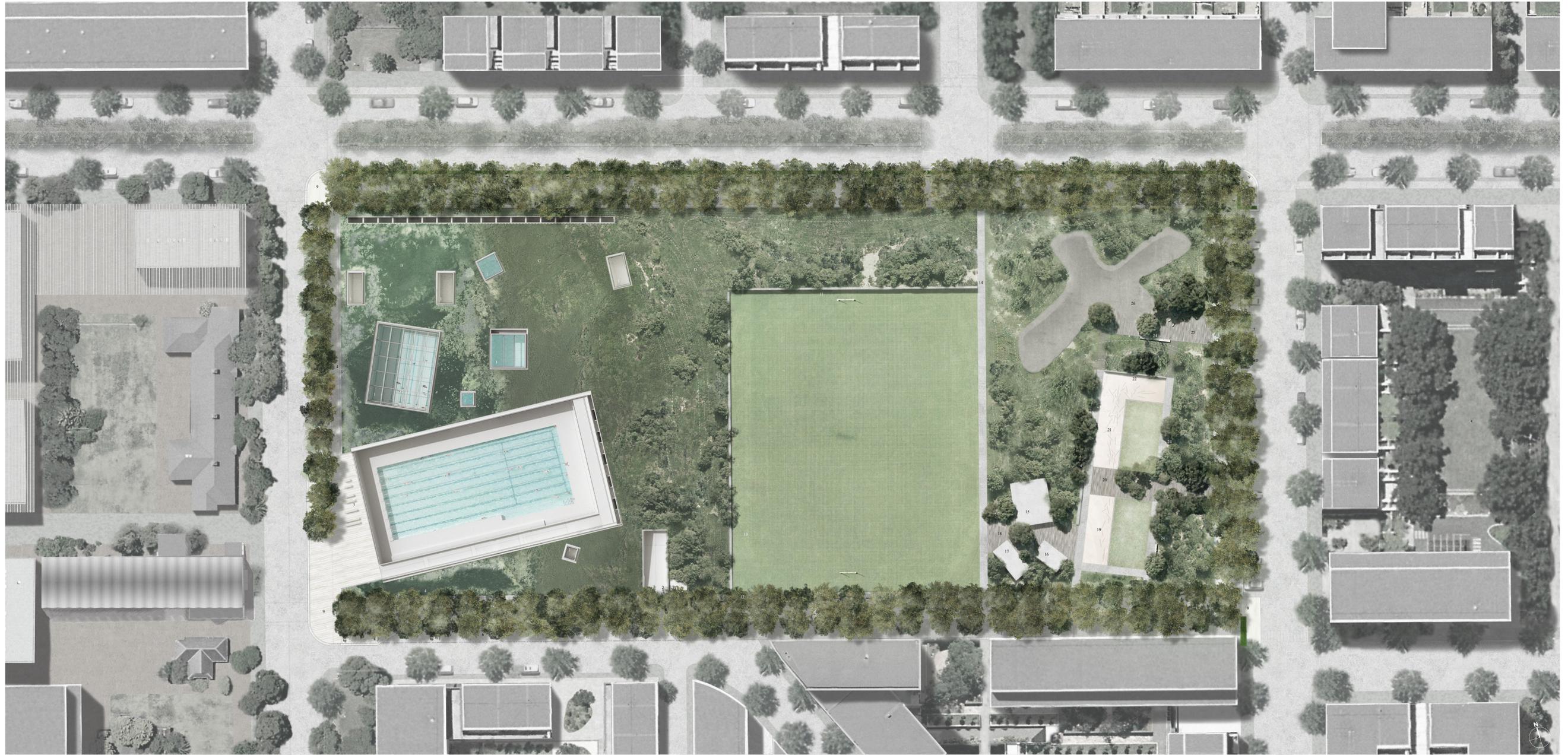


Counterpoint.



The project addresses the dilemma of the contemporary urban condition where on the one hand, urban density and the activity of daily life is necessarily intensifying, while on the other, the need to have a counterpoint, a release or an escape, is increasingly important in finding balance.

Gunyama Park and Aquatic Centre lies within the burgeoning high density centre of Green Square as a counterpoint to the intensity of urban life.

Scale and landscape are pivotal in this objective.

To have a vastness for the eye to gaze and a restful space in which to take a breather from the urban surround are vital in satisfying this need. To have a nice place to start the day, a place with a seat in the sun, fresh air, and a park configured for promenading, playing, jogging, pramming and biking is equally important. Gunyama Park is all of this.

The park is structured as a rectangular field across the entire available area to give it vastness.

It is edged by a shaded promenade within a formal grove of trees to make an endlessly functional perimeter for walking, running, lingering and observing. The edge is anonymous yet familiar - a place for neighbourly exchanges and the strengthening of community ties. To walk here is to be immersed in the park giving everyday community users and passers-by the park experience while contributing activity and movement beyond just the destination user.

The southern edge is fundamental in this scenario. Bathed in direct sunlight during winter and with the benefit of a car free zone edged by restaurants, shops and cafes, it will become a community hotspot, a place for markets, and a key secondary movement spine between destinations further afield. Providing both prospect & refuge, the edge sits between the everyday, and the perpetual pull of the park to come play and escape.

The park is an aberrant hybrid of artificial and natural habitats.

The main body of the park is like a rectangular transect through a native landscape terrain that is at one end a flat plane, but at the other, rolling dunes. This reinstated landscape is designed to exhibit the variety of native species that would have predominated pre-settlement with dual characteristics of Eastern Suburb's Banksia Shrub to the east transitioning to an integrated green roof wetland system

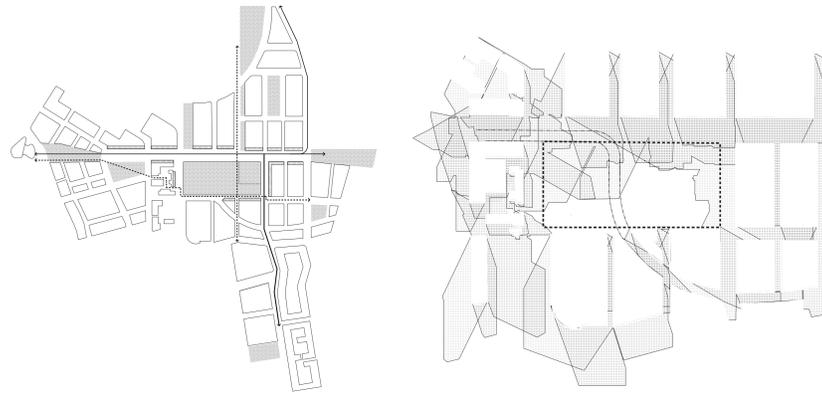
to the west. The landscape is both resilient and functional with the wetlands filtering rejected water from the aquatic centre for greywater usages.

The sports facilities float within this fluid native landscape in contrast with the formal edges to the park. These are supported with activity spaces, barbecue areas and a playground to provide for leisure pursuits within a naturalistic setting. It's not just a sports precinct, but an ecology of landscapes enriched by the seasons as change ebbs through the park.

A defined depression of synthetic turf cuts a crisp spectator edge against this landscape while a skateboard park is interwoven within the undulations of the dunes to the east.

The lowering of the aquatic centre within the park avoids complicating the appreciation of the landscape. There's no fence or building, but rather a continuity of landscape and space. While the architecture and its visual presence might be recessive, the delight of swimming is amplified and celebrated.

Much like The Rink at the Rockefeller Center, the pool becomes a stage set, a spectacle within the park where the splash and joy of water activities lure passers-by to the edge.



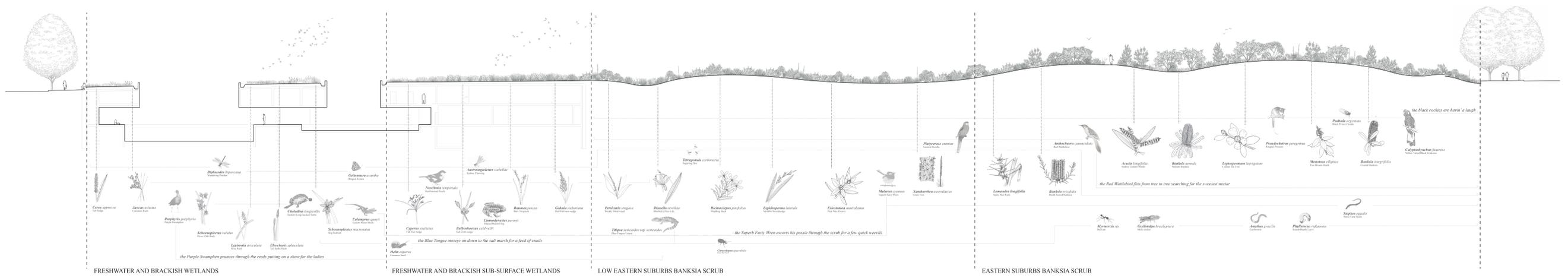
CONTEXT

SHADOW JUNE 21

- Programmed promenade with shaded seating - A
- Wetland - B
- Perched wetland - C
- Greenlands - D
- Dental Eastern Suburbs Banksia Shrub - E
- Architectural Apertures in the landscape - 1
- Car park entry - 2
- Pool entry forecourt with shaded seating - 3
- Seating wall - 4
- Parallel car parking 8 No + motorcycle parking 12 No - 5
- 60° car parking 5 No + bus stop of 2 No - 6
- 90° car parking 36 No - 7
- Bike parking 200 No total - 8
- Hard paved entry threshold with shaded seating and community notice boards - 9
- Multi-purpose sport field - 10
- Sports wall - basketball, tennis, soccer, cricket, etc - 11
- Service vehicle access point - 12
- Overland Flow Path - 13
- Linear access walkway - 14
- Change Rooms - 15
- Amenities Building - 16
- Canteen - 17
- Event deck - 18
- Toddlers play area and water play deck - 20
- Youth play area and lawn - 21
- Interactive play wall - 22
- BBQ - 23
- BBQ and Picnic table - 24
- Skate park access and event deck - 25
- Skate park - 26

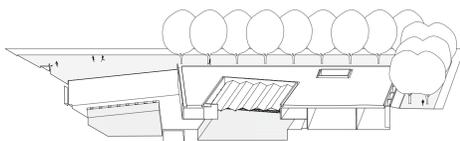
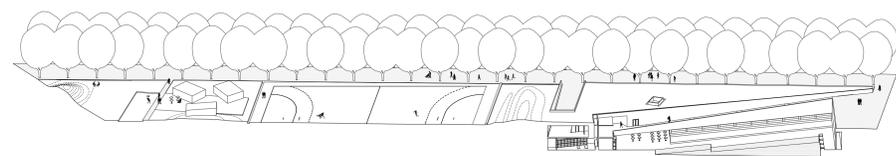
The seduction of absence, awaiting a collective presence. Rested within a field of intensity.

Void.



An ecology of textures, enriched by the seasons. Laughter like birdsong.

Moments.



Perhaps the most avid runner among local fitness junkies, Bertie is up before dawn and his run works like clockwork. As if perfectly tuned to the workings of the cosmos he always finds himself running toward the sun just as it is rising above the trees.

After age took a swing at Hank's health he found himself condemned to a more sedentary lifestyle. But his enthusiasm for birds (he keeps four as pets) has led him to throw caution to the wind and he can be seen at least twice a week, in full bird-watcher's attire, tracking Red-tailed Finches and Cockatoos as they soar in the sky.

Nina's bike belonged to her father. The sky blue 1980's Bianchi C Racing bike turns the odd head from time to time as she takes it to university. The chain's been slipping off a lot lately.

June is re-reading Pride and Prejudice. There is something in the way the tall grasses move in the south-west wind that makes her long to go back into Austen's Hertfordshire and she is lost to the world until the last shadows of the sunset creep across the page.

Phillipe and Martine are enjoying their retirement. The two ex-sturgeons bring their poise and precision to their favourite pastime: badminton. Martine was a university league champion and has been on a two-week winning streak.

Rico and Gunter have been Bocce rivals for a long time now. Gunter bows well but Rico has developed a knack for hitting them aside. Gunter doesn't find this very sporting.

Millic and Mitch are trouble-makers. Hide and seek is about the only respectable endeavour they undertake each week. Lately they have been stealing chess pieces. Mitch wants to complete the set. Millic thinks their days of impunity are numbered.

Jacob is no Kasperov, no chess grandmaster, but that doesn't mean he hasn't got a few tricks up his sleeve. George knows this and takes his moves slowly and carefully. Their focus on the game is so great that neither one notices the stolen black knight.

Boris' morning exercises have become something of a local spectacle as he lifts weights like a child. He has the physique of a circus strongman and lifts a 30 kilo dumbbell with the grace of a practiced gymnast. He works in IT.

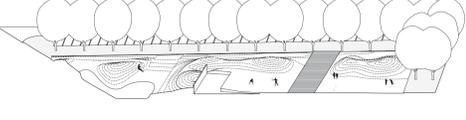
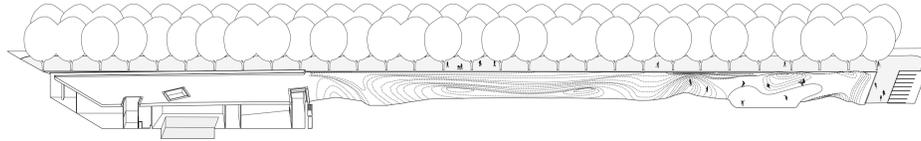
Susan is a café regular, the barista has her order in before she walks inside the café where she enjoys a cup with a book or a friend. She doesn't have a particular routine or anything but has been avoiding afternoons ever since a stray soccer ball upset her latte.

William and Josh are brothers. William and Josh are star players in the local rugby team. But only one will make it into nationals and the rivalry hasn't been fierce.

Arthur hasn't been having much luck with the soccer ball lately. His last attempt at goal landed square in a lane.

Baby Lilly loves the outdoors - rain, hail or shine, she longs for the air and dappled light of the park promenade. This has led Kate, a graphic designer, to shift the lion's share of her daily routine outdoors. Though she doesn't share Lilly's sentiments about rain and hail, she feels inspired working under the trees.

Beatrice has had Hugo since he was a pup. The two get along quite well most of the time - the main exception being when Hugo goes to make his territorial claim at the entrance to the Aquatic Centre.



UNFOLDED EDGE DIAGRAM

A place of neighbourly passing, anonymous yet familiar. Invitation for play.

Stage.



Arrival at the pool is via a generous public ramp from Joynton Avenue which brings people down to a mezzanine reception area. Below ground parking is provided at the same level to bring people to the same arrival point. From here, pool users access the facility via secure stairs and a lift at the southern end of reception while gymnasium users have access at the northern end of reception. Change rooms and amenities are located directly below reception to streamline the entry sequence.

Upon descending into the aquatic centre, the focus becomes very much the pools and their containment within the massive enclosing walls. Floating beams and columns of an unexpectedly monumental scale contribute to the drama of the space. It is an architecture of the senses. One that plays upon solid & void, compression & release, light & dark.

Like an aquatic 'other-world' landscape, a series of quiescent pools within a cavernous setting slowly come to life with early morning swimmers gliding end to end before giving way to the merriment of leisure swimmers throughout the latter parts of the day.

The light correspondingly is subdued in the morning with low-angle reflected light as the sun rises. Direct sun starts to light-up the walls early in the day as it floods in through chasms in the ground above. For the majority of the day, the openings are composed to bring direct sun into the facility, while conversely, from within the pools, the sky is carefully framed by the architecture to reduce the spatial experience to just interior volume and sky.

Concrete walls are formed with texture to scatter sound while ceilings are used to absorb sound to remove echo and sharpness of sounds. This achieves stillness when swimmers are few or a muted liveliness when the facility is busy. The ambition is to elicit a primal response in the experience of this underworld as part of the strategy to make a juxtaposition and counterbalance with the everyday.

The 50m pool is completely open to the sky & oriented with its long axis east west to maximise capture of sun & protection from the cold winter winds. The familiar joy of Sydney's north-facing coastal headlands is captured in the rock-ledge like bleacher seating along the southern edge of the pool. This wind protected sunny spot against a warm edge will be treasured by locals for sun bathing & overseeing the action of the 50m pool. Satisfying the bodily pleasures of water, sun & shade are fundamental in this arrangement.

The leisure pool & program pool are more contained & environmentally controlled. While hardly lap swimmers will revel in the briskness of the open air in winter, leisure swimmers & users of the pro-

grammed activity pool require more moderated conditions for an enjoyable experience. The envelope design for these pools balances openness to Sydney's moderate climate with containment for environmental control.

The key to enabling this balance is the adoption of Greenhouse technology - a technology that is highly evolved, reliable and cost effective. Designed to deal with condensation and airborne chemicals while maintaining year round temperature and humidity, the attributes of greenhouses parallel the technical requirements of the aquatic centre.

During the cooler months, the pool staff - like greenhouse operators - have at their disposal options to firstly close the glazed roof in varying degrees to generate greenhouse warming and minimise vertical heat loss. Secondly sliding windows can be utilised to close-off the space from cooler outside air. Finally when necessary, artificial heating can be introduced through hydronic heating to maintain comfort levels for the coldest of days.

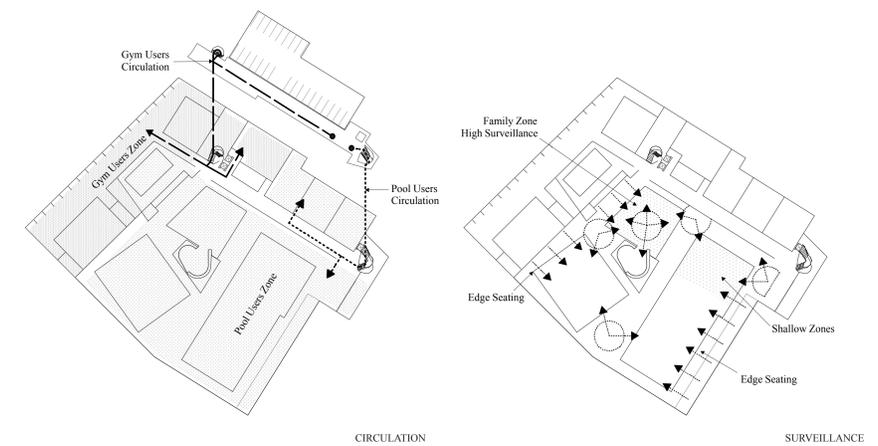
To keep artificial heating to a minimum, an innovative strategy allows for multiple 'use' of the waste pool water - providing underfloor hydronic heating, heat exchange to the mechanical system to maintain warmth and comfort levels and ultimately fed to the green roof to support the wetland.

The combination of being protected from the wind, the moderating effect of the ground temperature and thermal mass, and the use of greenhouse technology, enables the facility to be mostly open air with a relatively low energy demand. The benefit is that the activity of swimming can be enjoyed as a largely outdoor pursuit for the most part of the year with a high-level of comfort.

Deeper within the facility are the hydrotherapy pool, gymnasium and fitness studios. Consistent with the approach to the pool areas, these spaces equally draw on the power of the enclosing walls and the controlled use of daylight from above to establish their essential character. Composed around a series of small courtyards open to the sky, each of these rooms has a framed meditative outlook to focus the mind and enhance the fitness experience.

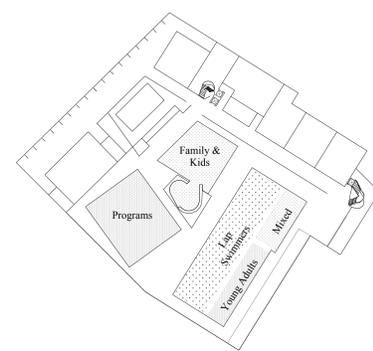
The linear spine of the main gymnasium space with studio rooms to one side provides an efficient arrangement for supervision as does the relatively open arrangement of the main pools. Administrative & back of house areas are discreetly housed on the mezzanine level to avoid any reading in the architecture.

The containment of public space is achieved with the simplest means possible. Conceived as a found landscape re-inhabited for use, universal off-form concrete is used through-out for structure and surface to avoid both distraction from the spatial experience, and association with the ordinary or everyday. The concrete is detailed with weathering in mind to settle the structure into the landscape and give it a timelessness. Pool elements are detailed as retrofits with directness and economy to support the sense that this is an aberrant underworld landscape that was not originally designed with aquatic centre in mind.

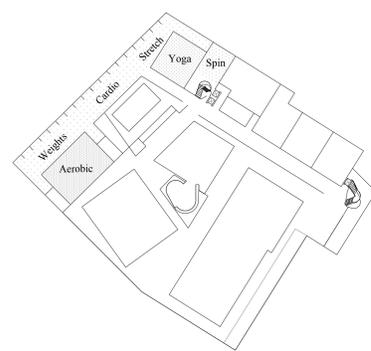


The colour of movement, directed by possibility. At once audience and actor.

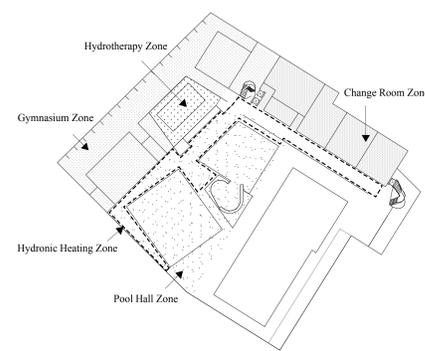
Light.



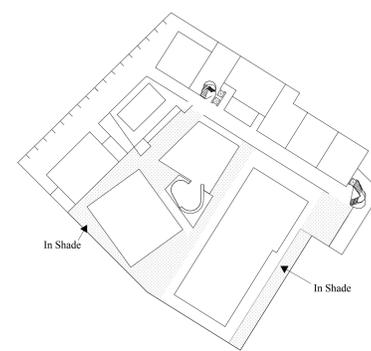
POOL USER



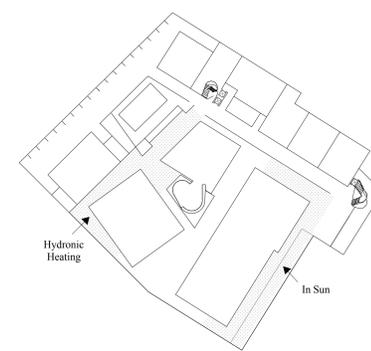
GYM USER



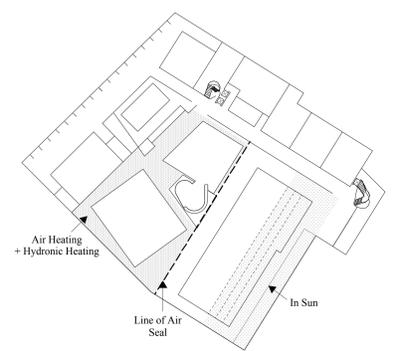
AIR ZONES



SUMMER



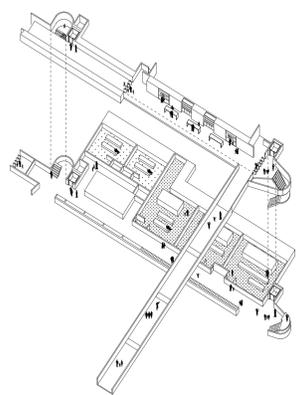
SPRING



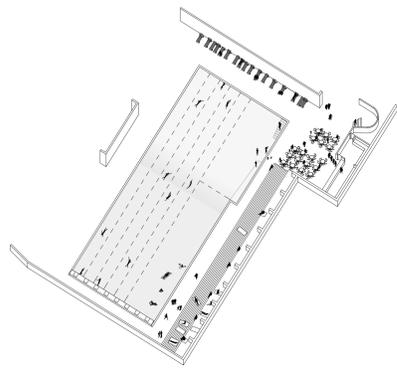
WINTER

Protected yet open, light floods, water blinks, swimmers stroke.

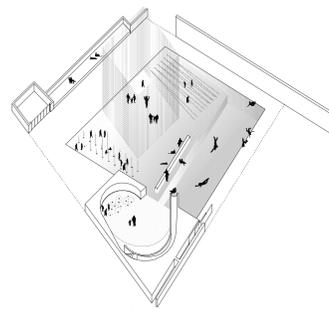
Joy.



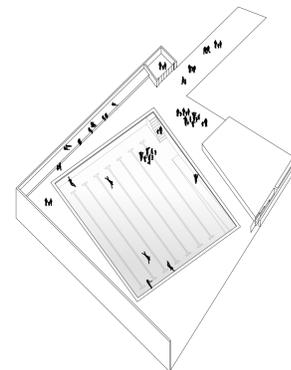
ENTRY



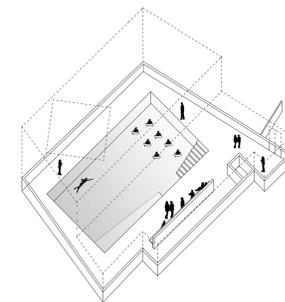
50 m POOL



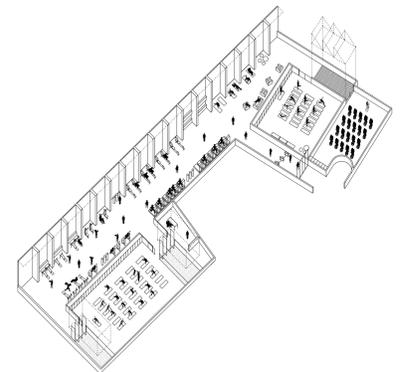
LEISURE POOL



PROGRAM POOL



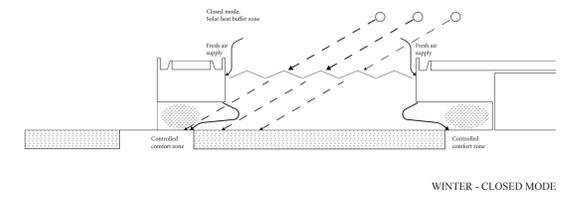
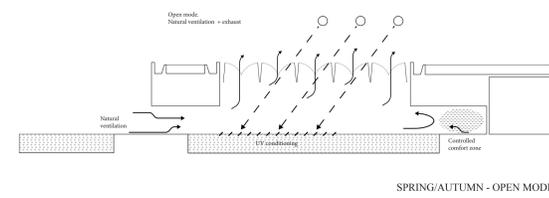
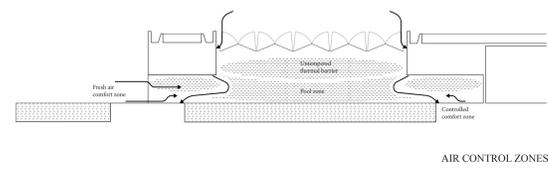
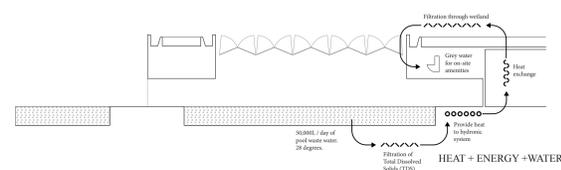
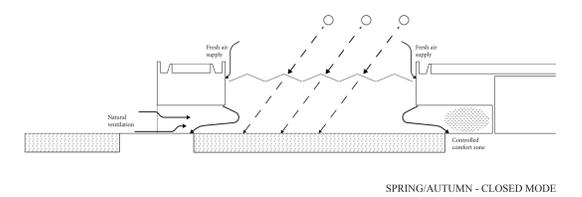
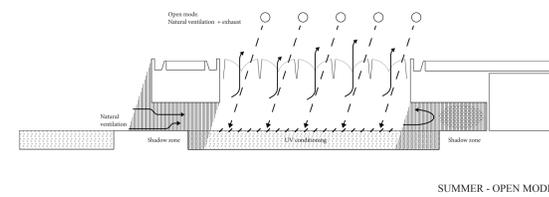
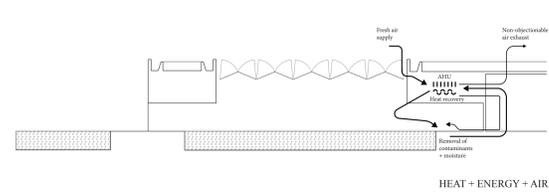
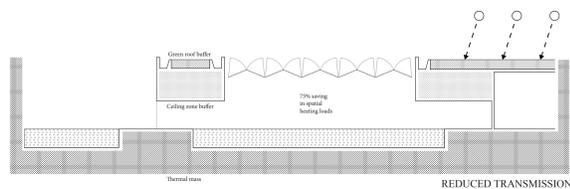
HYDROTHERAPY POOL



GYM

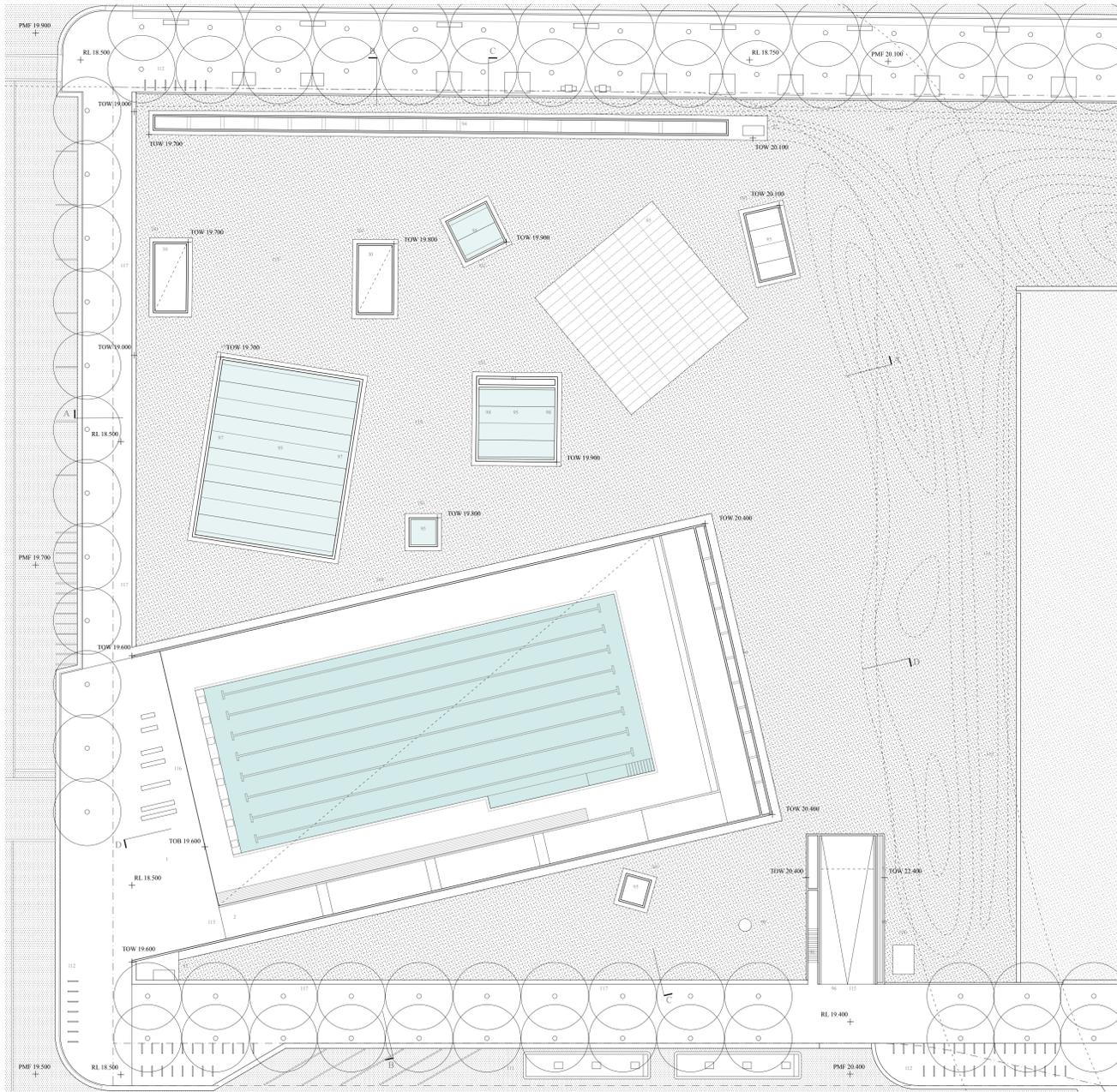
Joy, play, splash, color

Depth.

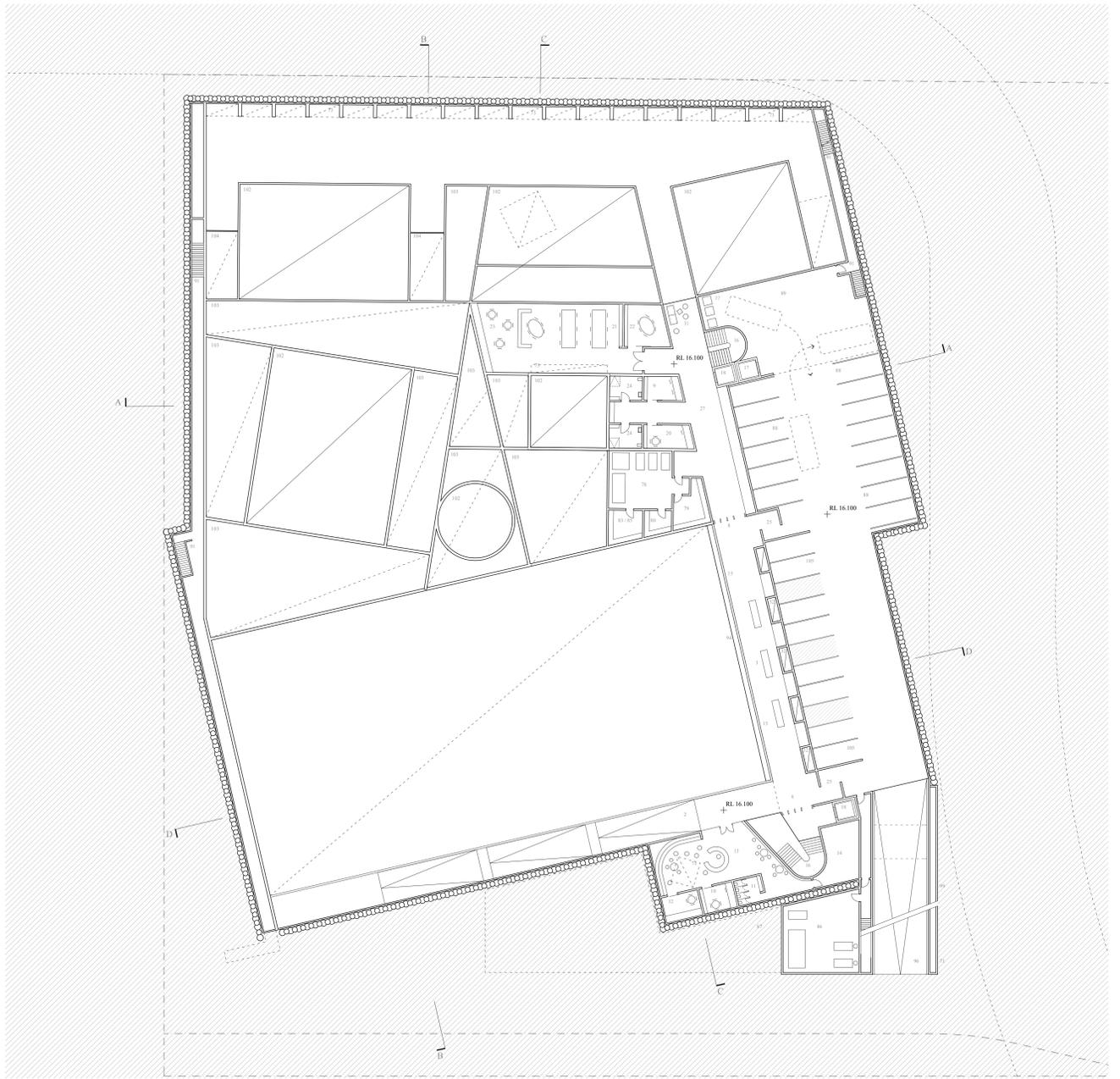


Depth, inner pursuit. An orchestration of light and space.

Above.



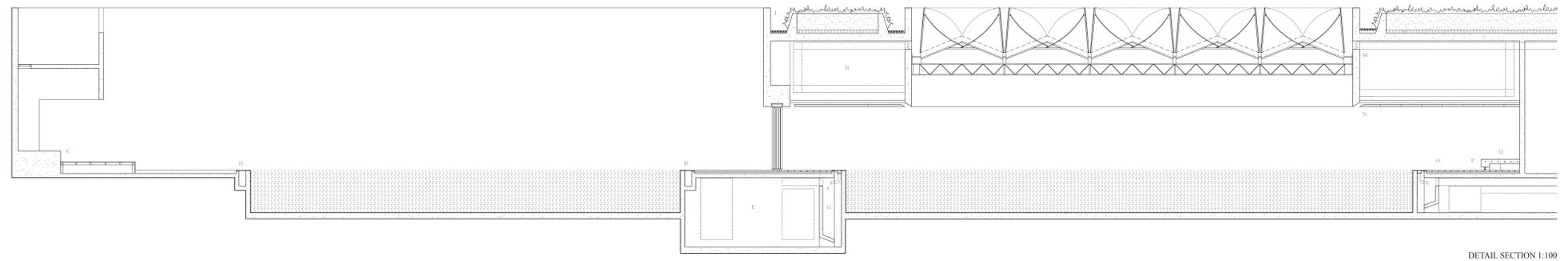
GROUND 1.250



MEZZANINE LEVEL 1.250

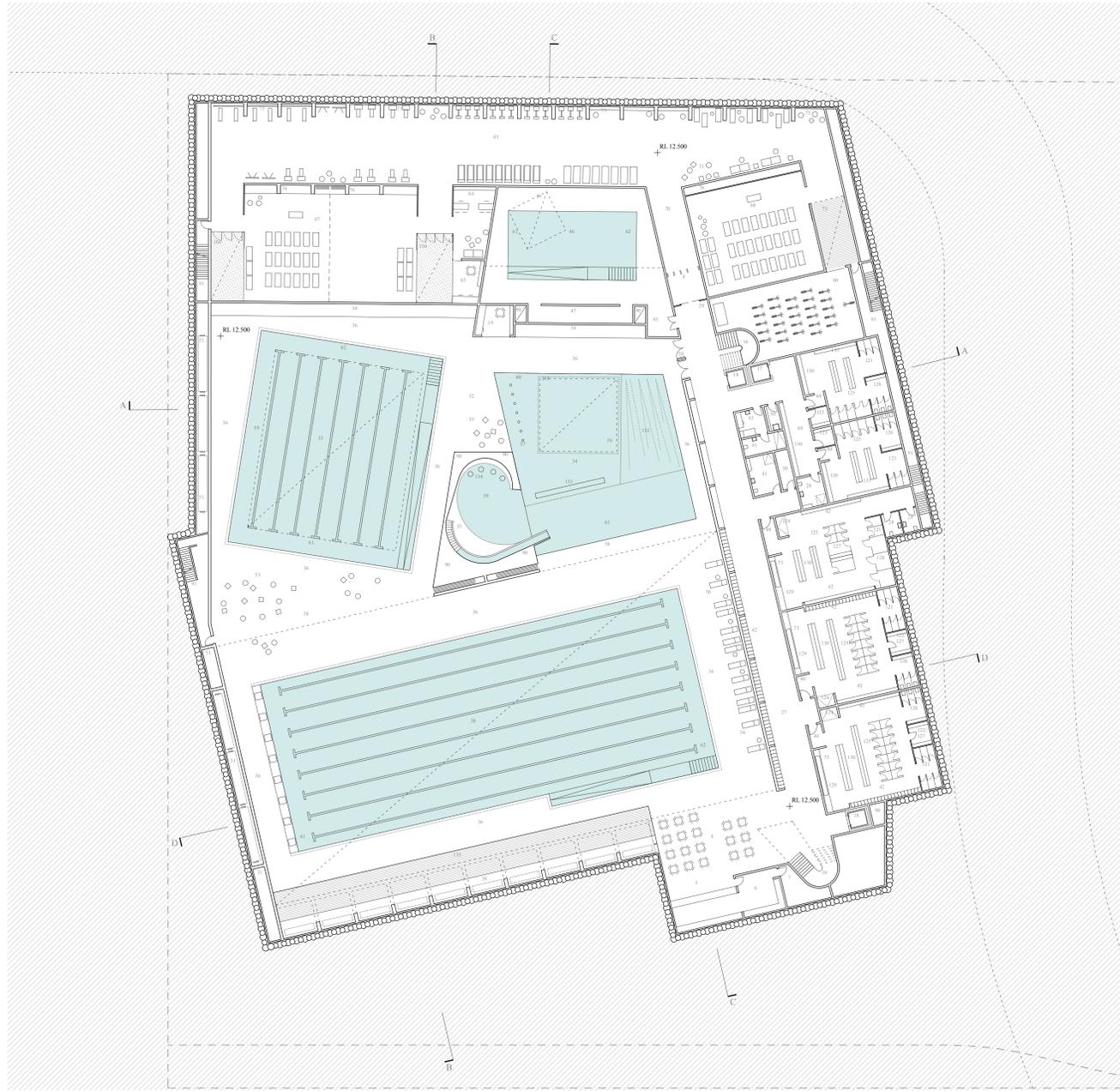
- 1. Pool entry forecourt with shaded seating
- 2. Entry ramp
- 3. Reception / Ticketing / Merchandise Area
- 4. Gift seating
- 5. Seating
- 6. Food preparation
- 7. Cafe area
- 8. Tamale control point
- 9. Manager's meeting room
- 10. Childcare office
- 11. Children's kitchen
- 12. Kitchenette
- 13. Indoor play area
- 14. Crèche area
- 15. Indoor shower area
- 16. Stairs
- 17. Service lift
- 18. Public lift
- 19. Pool operations office
- 20. Manager's office
- 21. Staff office / cash handling area
- 22. Misting
- 23. Staff room
- 24. Staff toilet
- 25. Entry room car park
- 26. Changing room / mop store
- 27. Main circulation space
- 28. Disabled WC / Change / Baby change
- 29. Sliding doors / Airlock
- 30. Void to overhead below
- 31. Breakout seating
- 32. Light well to changing area below
- 33. SSM / Program pool
- 34. Leisure water area
- 35. Water slides
- 36. Pool concrete
- 37. Outdoor terrace
- 38. Main pool
- 39. Spectator seating
- 40. Hair changing rooms
- 41. Assisted changing rooms
- 42. Lockers
- 43. First aid
- 44. First aid cabinet
- 45. Hydrotherapy entry
- 46. Hydrotherapy pool
- 47. Hydrotherapy area
- 48. Hydrotherapy changing rooms
- 49. Pool plant & services
- 50. Cleaner's room
- 51. Pool storage
- 52. Master zone
- 53. Pool side seating
- 54. Thermal bleachers / laminae air grilles under
- 55. Hydromass floor slab
- 56. Pool louvers
- 57. Pop jet water play
- 58. Operable glazed doors / airlock
- 59. Skylight / Ventilation void above
- 60. Beach pool end
- 61. Pool deck end
- 62. Manager's office
- 63. Consultation rooms
- 64. Weights + Cardio
- 65. Spin Room
- 66. Dry fitness Studio 1
- 67. Dry fitness Studio 2
- 68. Health and fitness centre circulation
- 69. Dry changing rooms
- 70. Stretching / light weights
- 71. Skylight above
- 72. Open storage
- 73. Storage room
- 74. Storage room
- 75. Storage room
- 76. Storage room
- 77. Storage room
- 78. Storage room
- 79. Electrical
- 80. Mechanical plant
- 81. Communications
- 82. Hydrante plant area
- 83. Fire services
- 84. Building management and control system
- 85. Recycled water
- 86. Photovoltaic allocated area - Alternative option - clear photovoltaic on operable glass roof
- 87. Copresentation heating plant
- 88. Future Copresentation space allocation
- 89. Loading bay
- 90. Service riser
- 91. Fire alarm control panel / meters etc
- 92. Fire alarm control panel / meters etc
- 93. Fire alarm control panel / meters etc
- 94. Fire alarm control panel / meters etc
- 95. Fire alarm control panel / meters etc
- 96. Car park & loading entry / ramp
- 97. Fresh air intake - 25 rpm
- 98. Non-objectionable exhaust areas - 17 rpm
- 99. Objectively exhaust areas - 7 ft up to top of 2M high plinth wall & Copresentation
- 100. Substation Kiosk
- 101. Void wall up stand / balustrade
- 102. Double height space / Void

- 103. Structural / Mechanical Void
- 104. Courtyard
- 105. Disabled parking spaces
- 106. Pool balustrade
- 107. Pool filters
- 108. Pool backwash holding tank
- 109. Pool pumps
- 110. Service access tanks to concourse
- 111. Blue drop off / Set down area 2 No.
- 112. Bicycle parking, staff & visitors - 200 No. total
- 113. Entry seating
- 114. Pool rain curtain surround above
- 115. Stormwater flood gates
- 116. Sealed composite glass balustrade
- 117. Seating wall
- 118. Overland flow path
- 119. Wetland
- 120. Ventilation duct runs
- 121. Changing room showers
- 122. Group changing
- 123. Family changing
- 124. Pre / post swim showers
- 125. Village changing
- 126. Changing room toilets
- 127. Disabled changing facilities
- 128. Disabled shower facilities
- 129. Vanity counter with natural diffused light above
- 130. Family changing
- 131. Right side water play
- 132. Adult rest area
- 133. Underwater bubble 'volcano'
- 134. Underwater bubble
- 135. Timber deck lounge
- A. Trafficable strip sky-light
- B. Concrete plinth (bench)
- C. Timber deck
- D. Pool wet edge
- E. Pool plant
- F. Pool edge splash water drain
- G. Pool edge splash water drain
- H. Ceiling duct
- I. 'Ha-ha' wall
- J. Wetland
- K. Concrete up-stand
- L. Proprietary operable 'green house' roof structure
- M. Fresh air supply lower
- N. Supply air diffuser
- O. Underfloor hydronic system
- P. Laminar flow air diffuser
- Q. Bench with integrated hydronic system

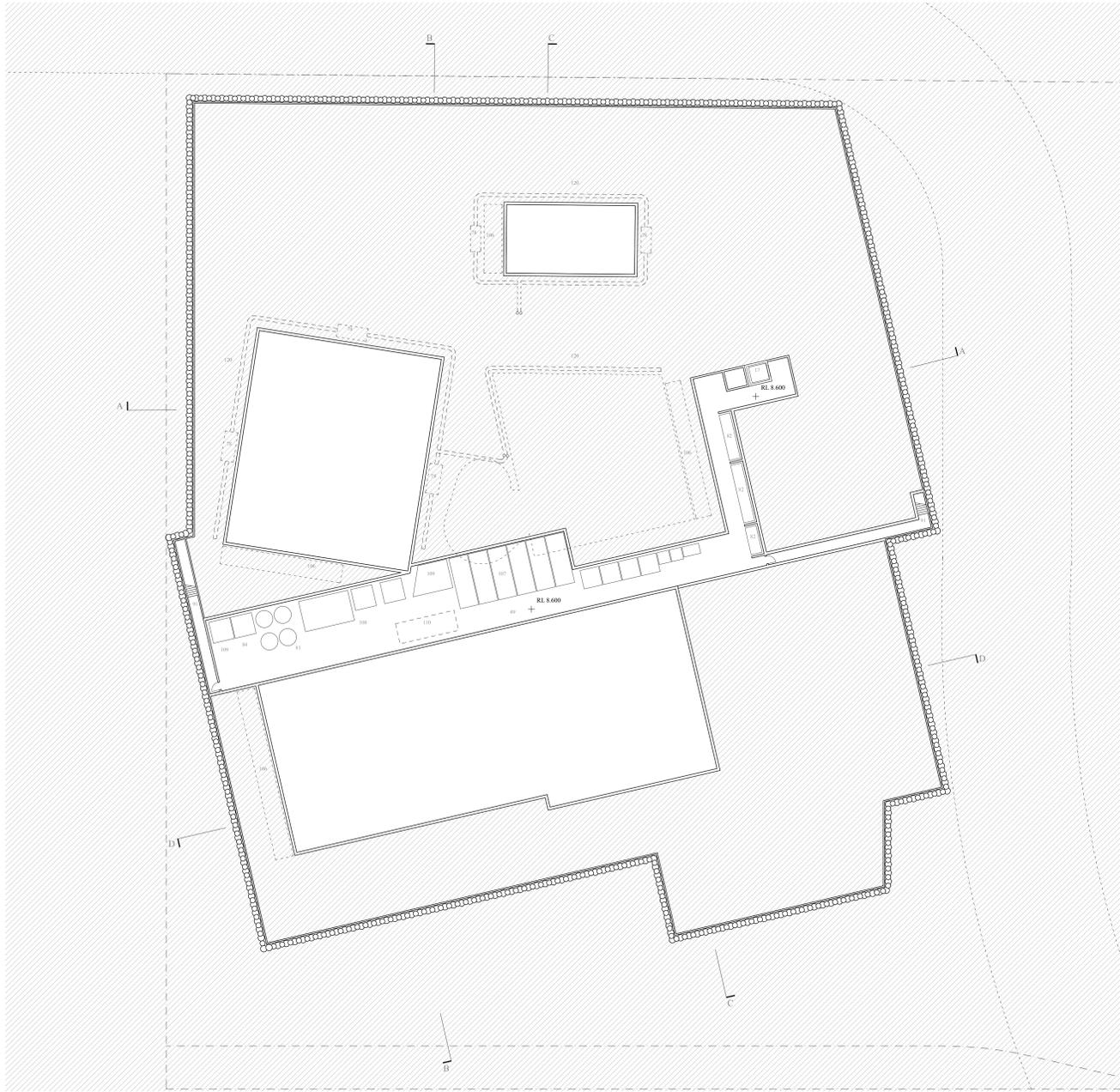


DETAIL SECTION 1:100

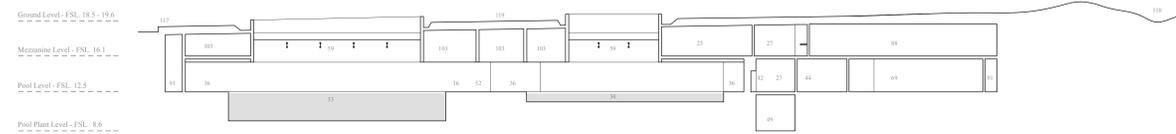
Below.



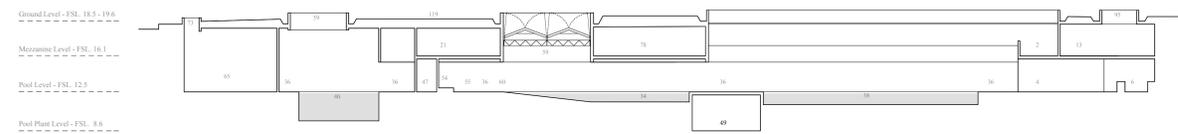
POOL LEVEL 1:250



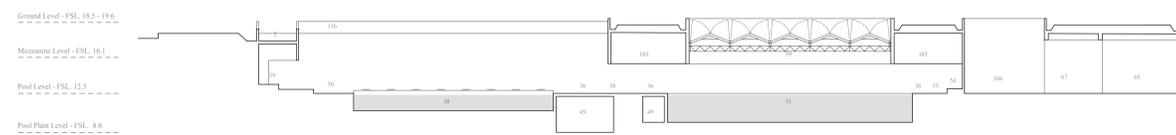
POOL PLANT 1:250



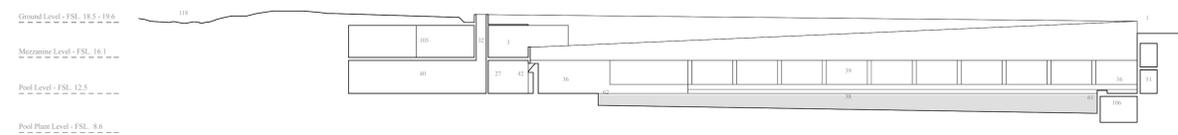
SECTION A 1:250



SECTION C 1:250



SECTION B 1:250



SECTION D 1:250