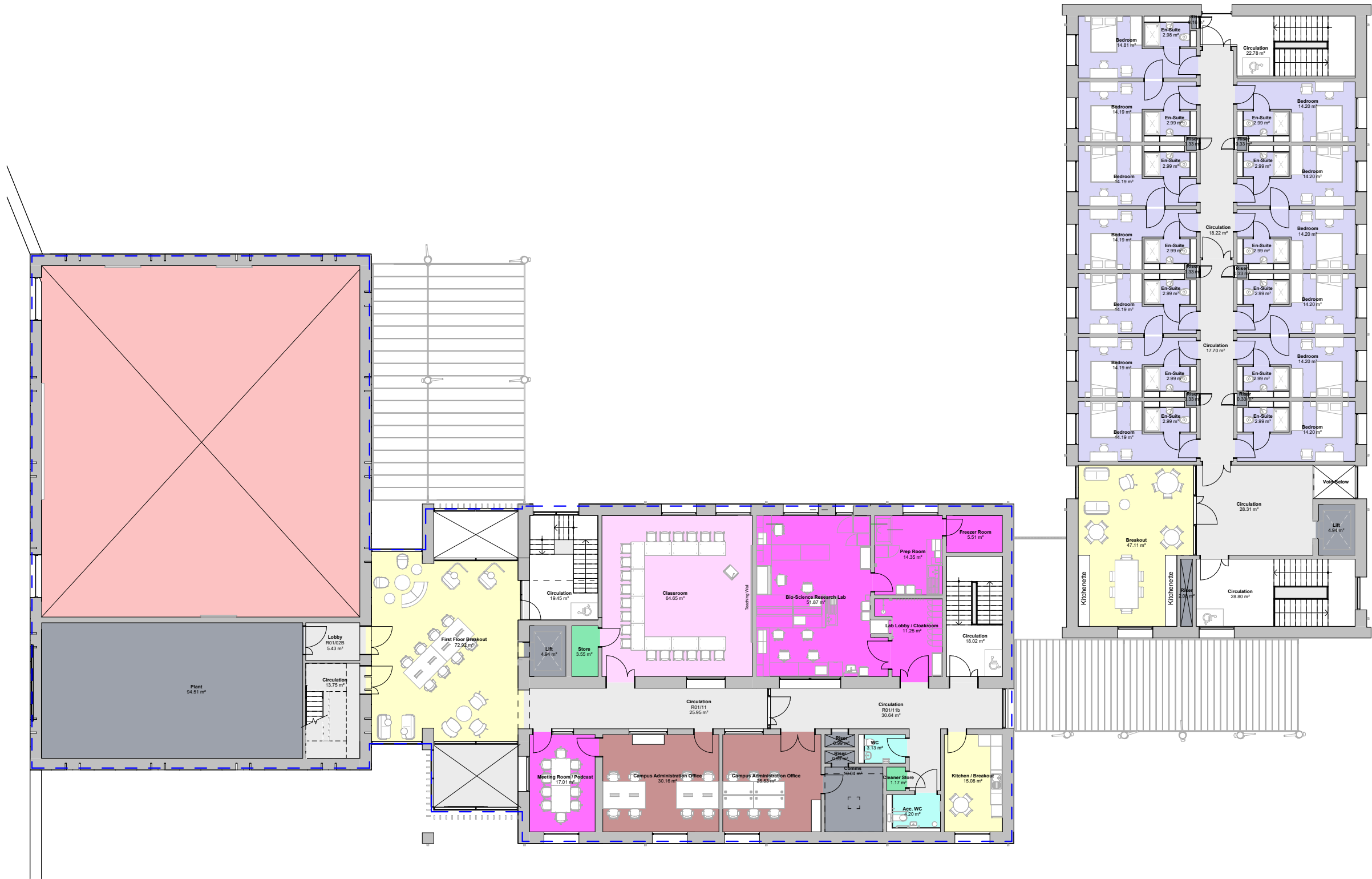
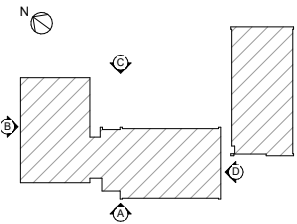


5.02 Design Proposals
NSCC Proposed Plans - First Floor

Zone Key	
	Bedroom
	Bedroom (Accessible)
	Research
	Breakout
	Campus Admissions Office
	Classrooms
	Laundry
	Lecture Theatre
	Plant / Risers
	Reception / Site Security
	Sanitary Facilities
	Stores



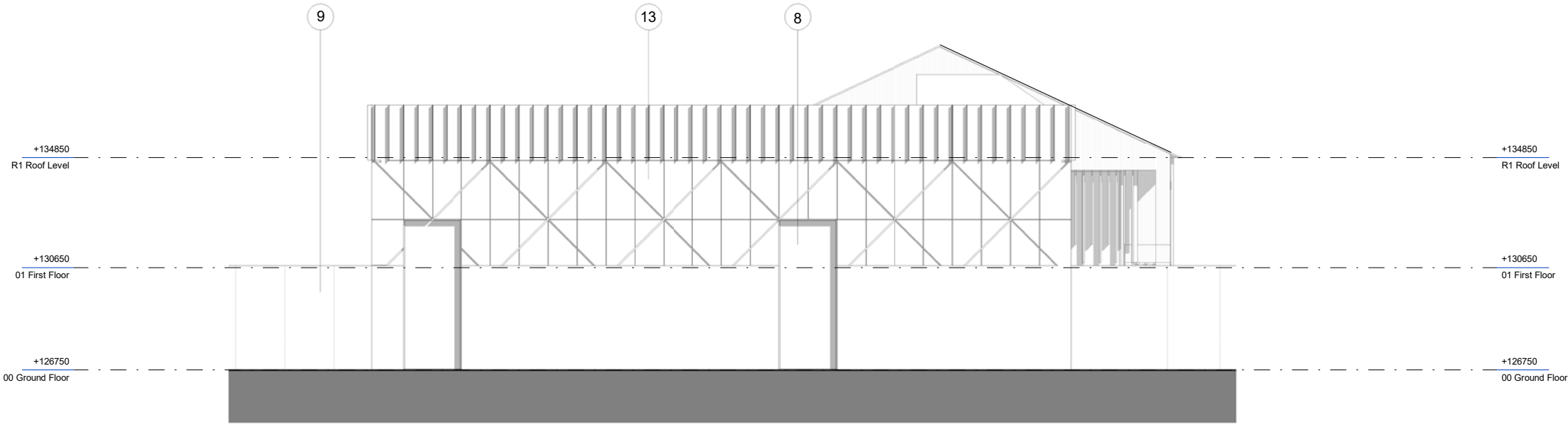
5.03 Design Proposals
NSCC Proposed Elevations 1



1	Brick / Motar Type 1
2	Brick / Motar Type 1: Soldier Course
3	Brick/ Mortar Type 2
4	Brick / Motar Type 2: Soldier Course
5	Terracotta Tinted Concrete
6	Aluminium Curtain Walling
7	Powder Coated Aluminium Door
8	Aluminium Windows
9	Steel Mesh Habitat Walls
10	Clay Rooftiles - incorporating red solar tiles
11	Feature Bat Boxes
12	Existing site trees used where possible: power washed to remove bark
13	Cement Cladding Panels
14	Curtain Wall Shading Device
15	Timber Pergola
16	Hit and Miss Brickwork
17	Feature Protruding Brickwork
18	Louvres colour matched to Brickwork

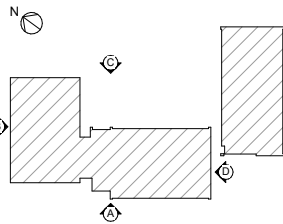


Elevation A



Elevation B

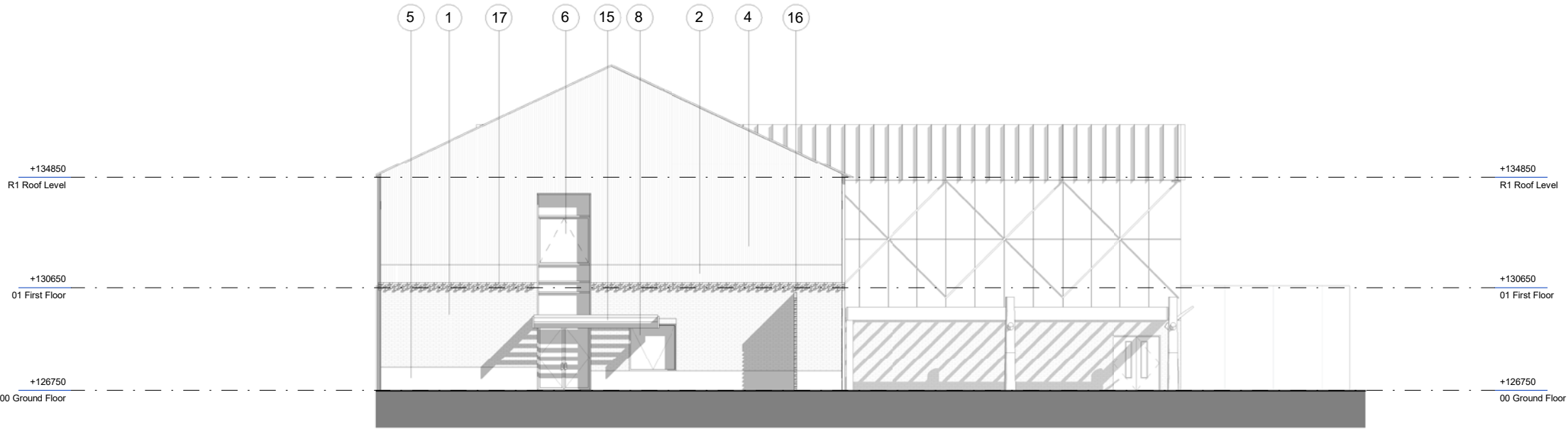
5.04 Design Proposals
NSCC Proposed Elevations 2



1	Brick / Motar Type 1
2	Brick / Motar Type 1: Soldier Course
3	Brick/ Mortar Type 2
4	Brick / Motar Type 2: Soldier Course
5	Terracotta Tinted Concrete
6	Aluminium Curtain Walling
7	Powder Coated Aluminium Door
8	Aluminium Windows
9	Steel Mesh Habitat Walls
10	Clay Rooftiles - incorporating red solar tiles
11	Feature Bat Boxes
12	Existing site trees used where possible: power washed to remove bark
13	Cement Cladding Panels
14	Curtain Wall Shading Device
15	Timber Pergola
16	Hit and Miss Brickwork
17	Feature Protruding Brickwork
18	Louvres colour matched to Brickwork

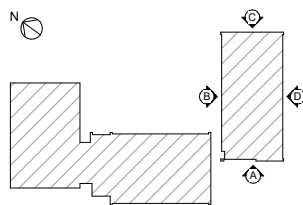


Elevation C

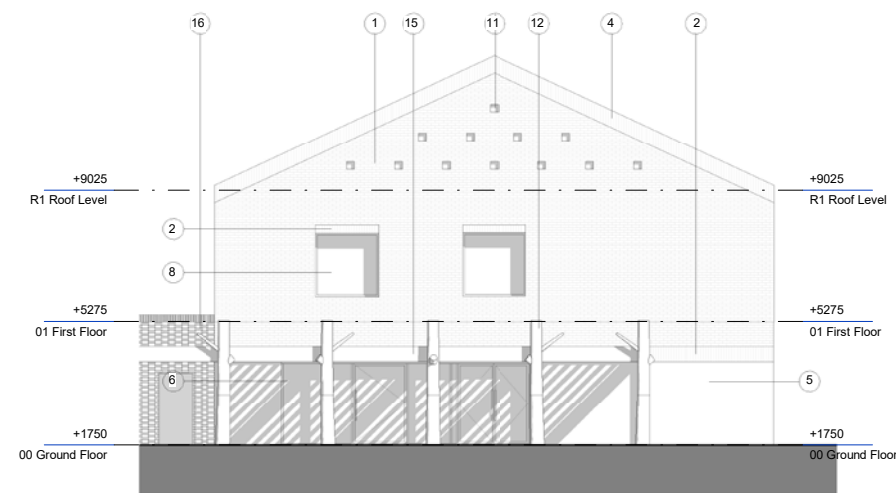


Elevation D

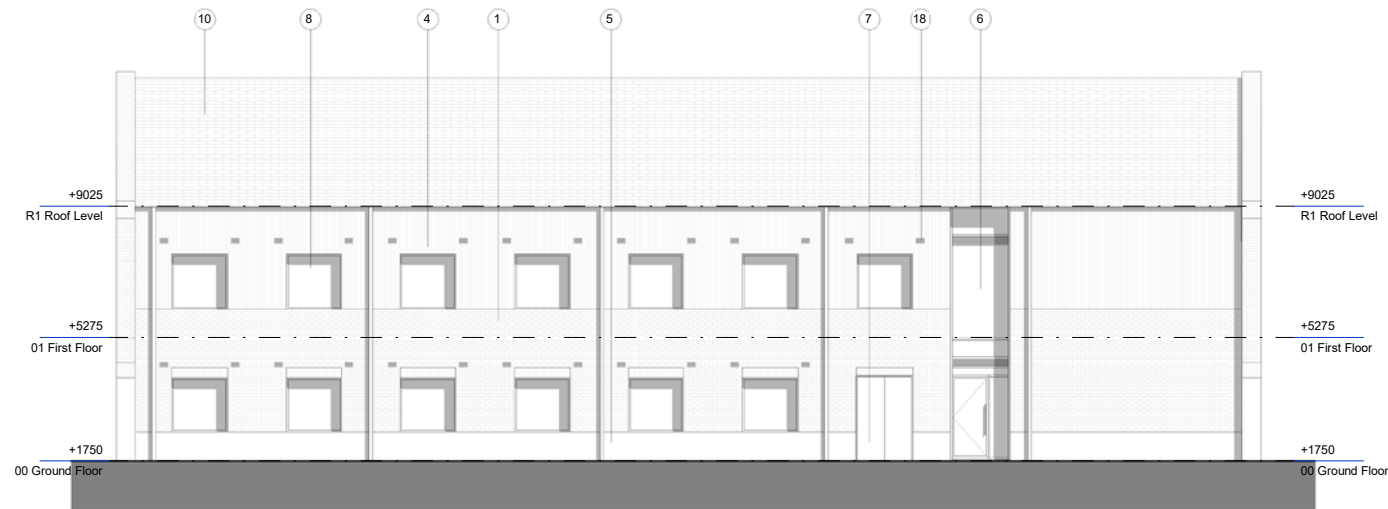
5.06 Design Proposals
Residential Building - Proposed Elevations



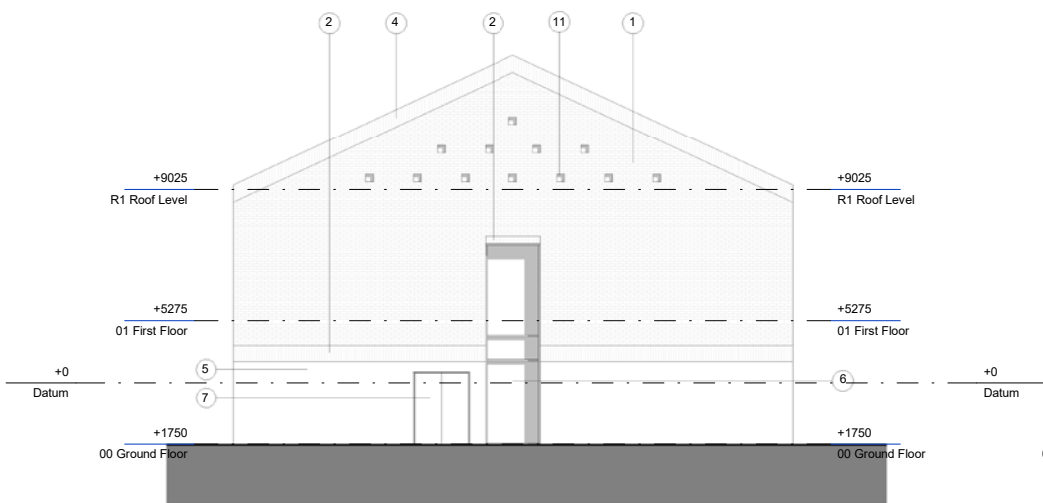
1	Brick / Motar Type 1
2	Brick / Motar Type 1: Soldier Course
3	Brick/ Mortar Type 2
4	Brick / Motar Type 2: Soldier Course
5	Terracotta Tinted Concrete
6	Aluminium Curtain Walling
7	Powder Coated Aluminium Door
8	Aluminium Windows
9	Steel Mesh Habitat Walls
10	Clay Rooftiles - incorporating red solar tiles
11	Feature Bat Boxes
12	Existing site trees used where possible: power washed to remove bark
13	Cement Cladding Panels
14	Curtain Wall Shading device
15	Timber pergola
16	Hit and miss brickwork
17	Feature protruding brickwork
18	Louvres colour matched to brickwork



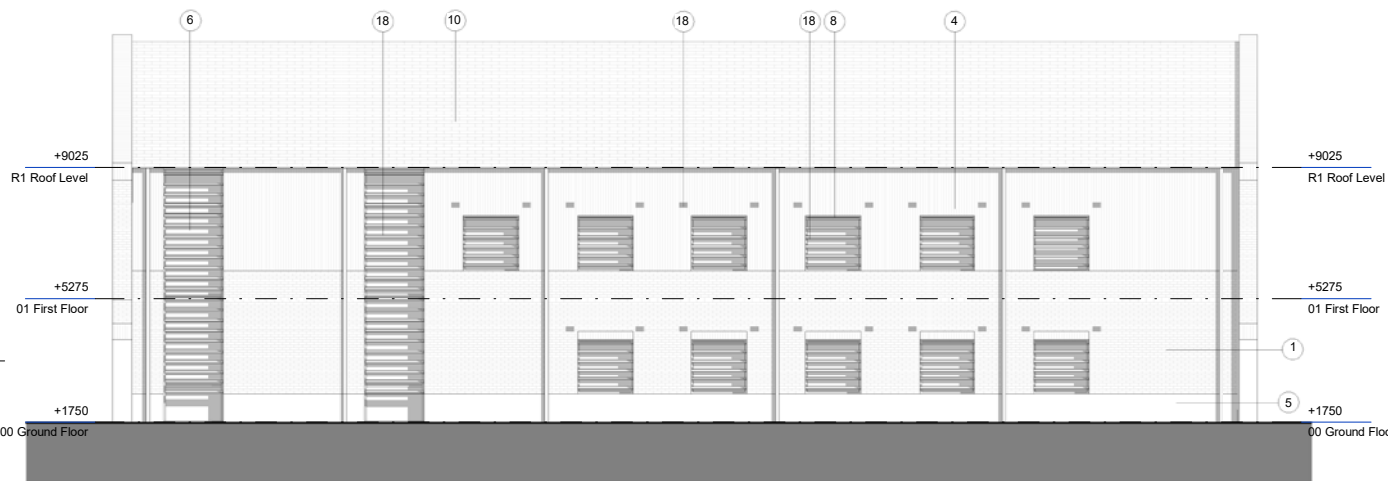
Elevation A



Elevation B



Elevation C



Elevation D

5.07 Design Proposals
Orangutan Habitat Ground Floor Plan

Zone Key	
	Dens
	Habitats
	Keeper Access Areas
	Planter
	Research
	Stores
	Visitor Corridor
	Vivarium
	Plant Areas



5.08 Design Proposals

Orangutan Habitat First Floor Plan

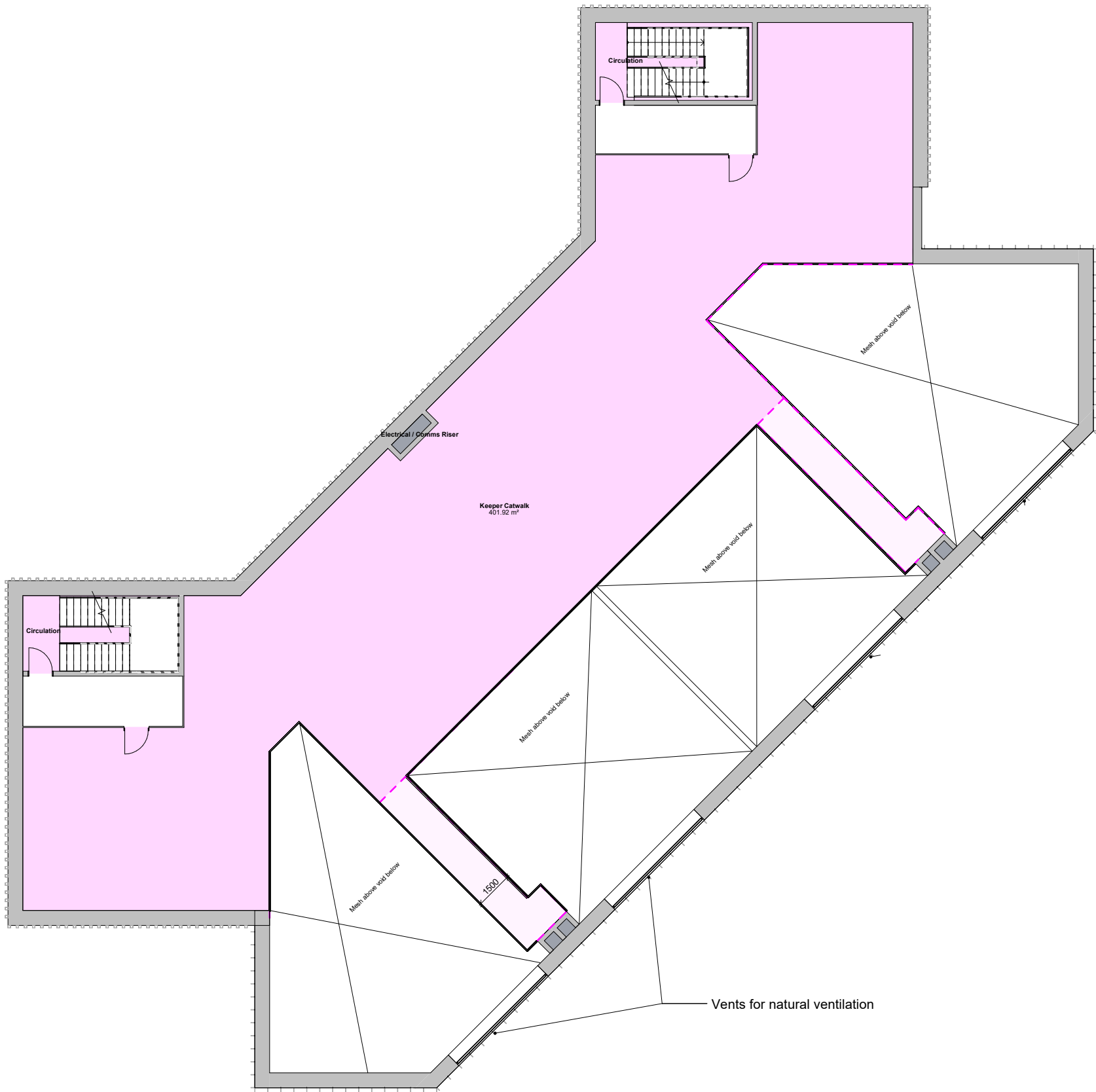
Zone Key	
	Dens
	Habitats
	Keeper Access Areas
	Planter
	Research
	Stores
	Visitor Corridor
	Vivarium
	Plant Areas



5.09 Design Proposals

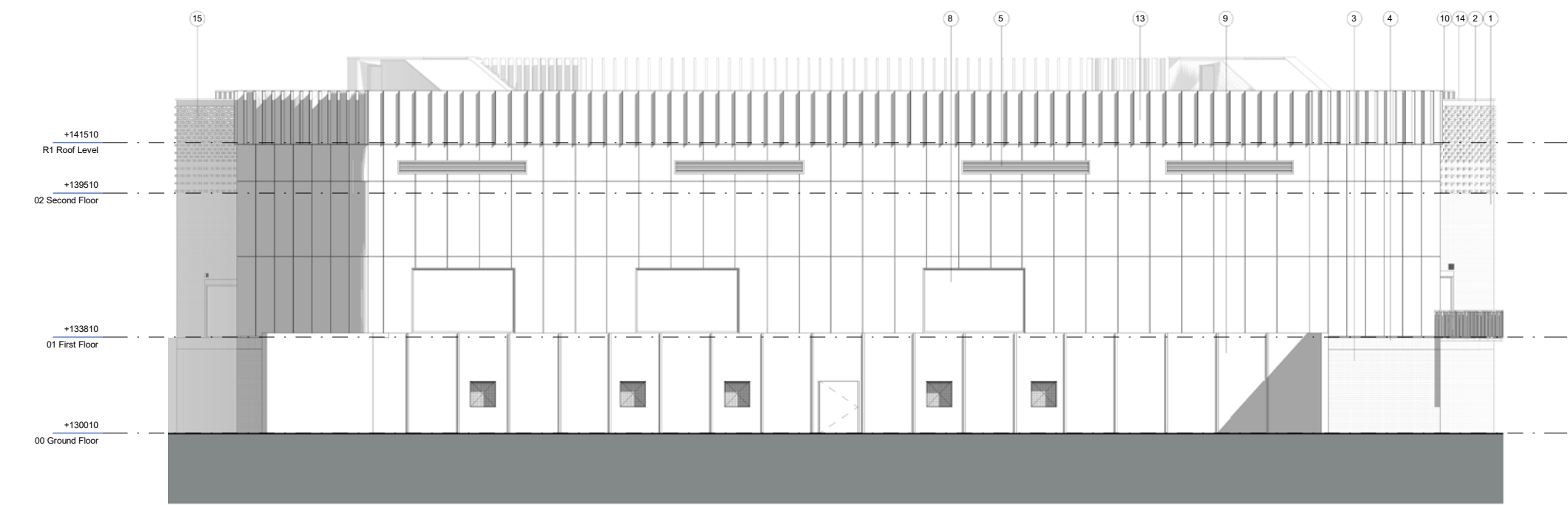
Orangutan Habitat Second Floor Plan

Zone Key	
	Dens
	Habitats
	Keeper Access Areas
	Planter
	Research
	Stores
	Visitor Corridor
	Vivarium
	Plant Areas

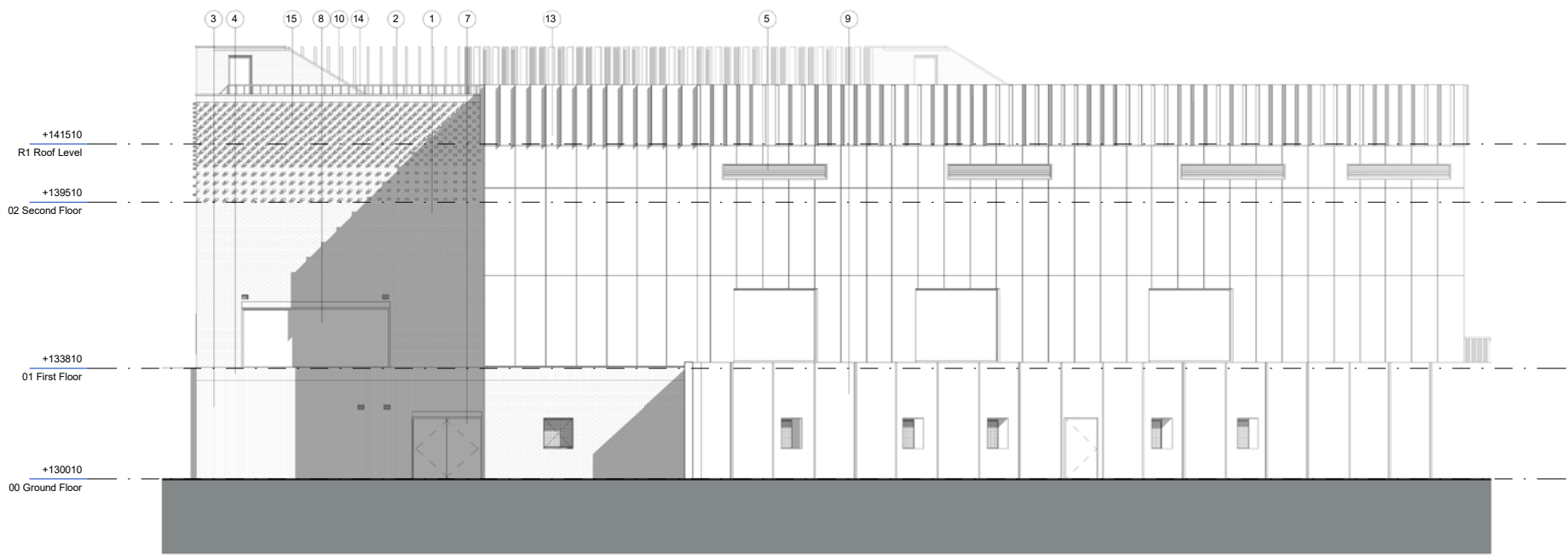


5.10 Design Proposals

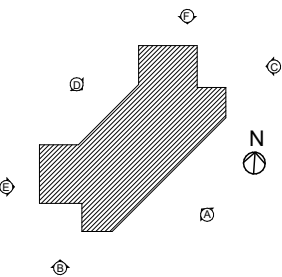
Orangutan Habitat Proposed Elevations 1



Elevation A



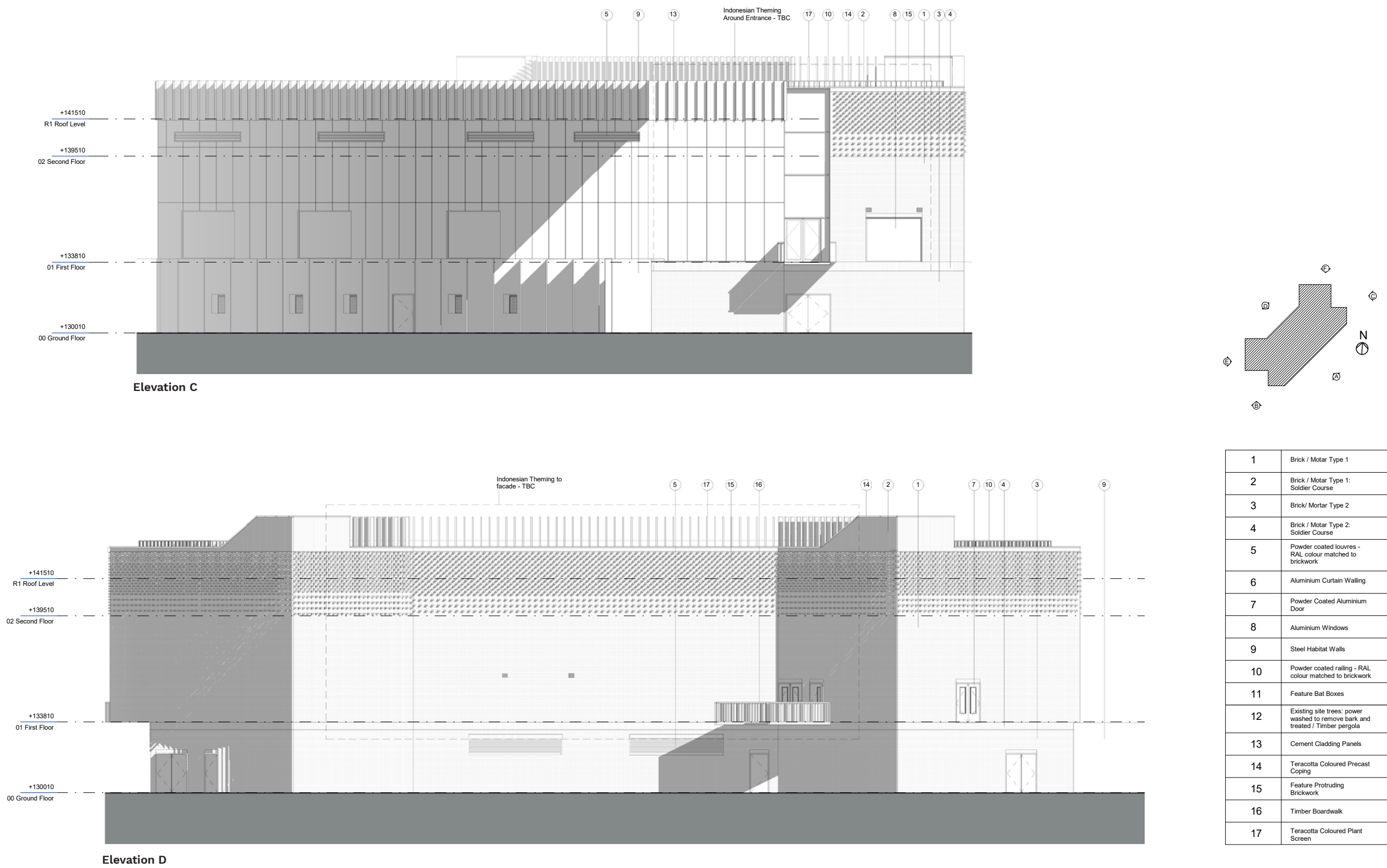
Elevation B



1	Brick / Mortar Type 1
2	Brick / Mortar Type 1: Soldier Course
3	Brick/ Mortar Type 2
4	Brick / Mortar Type 2: Soldier Course
5	Powder coated louvres - RAL colour matched to brickwork
6	Aluminium Curtain Walling
7	Powder Coated Aluminium Door
8	Aluminium Windows
9	Steel Habitat Walls
10	Powder coated railing - RAL colour matched to brickwork
11	Feature Bat Boxes
12	Existing site trees: power washed to remove bark and treated / Timber pergola
13	Cement Cladding Panels
14	Teracotta Coloured Precast Coping
15	Feature Protruding Brickwork
16	Timber Boardwalk
17	Teracotta Coloured Plant Screen

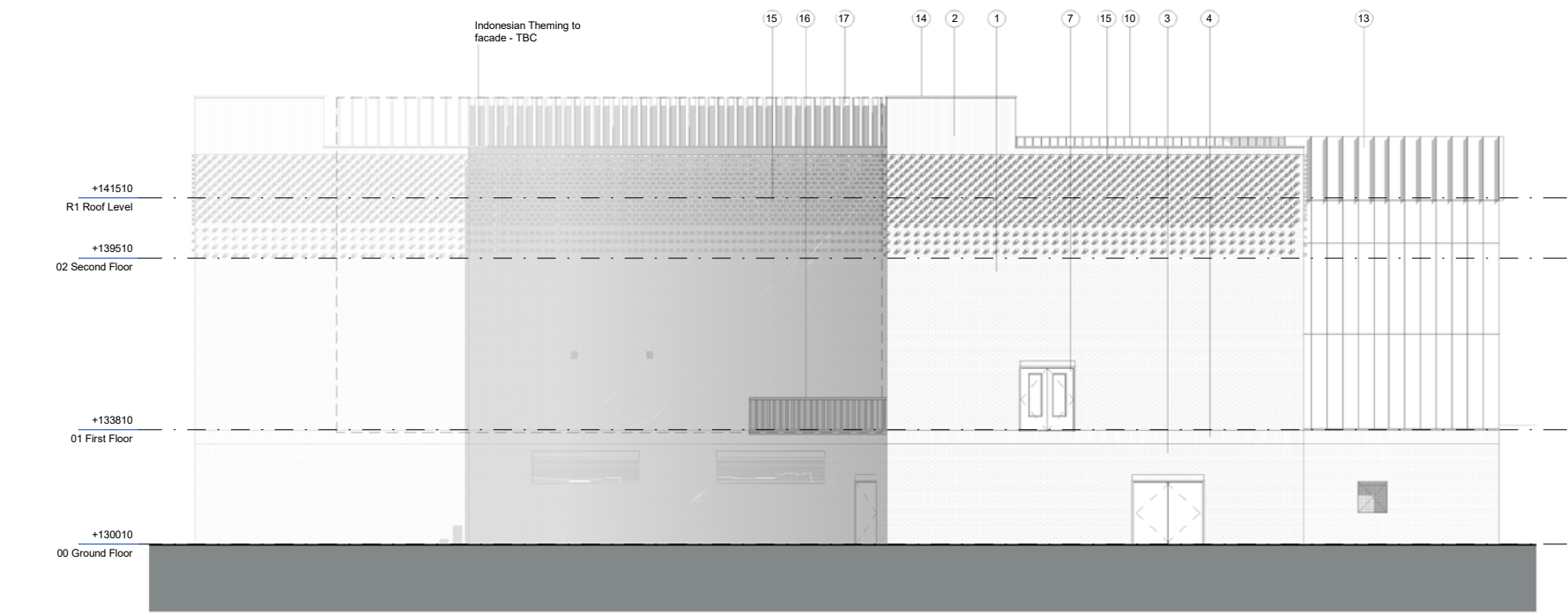
5.11 Design Proposals

Orangutan Habitat Proposed Elevations 2

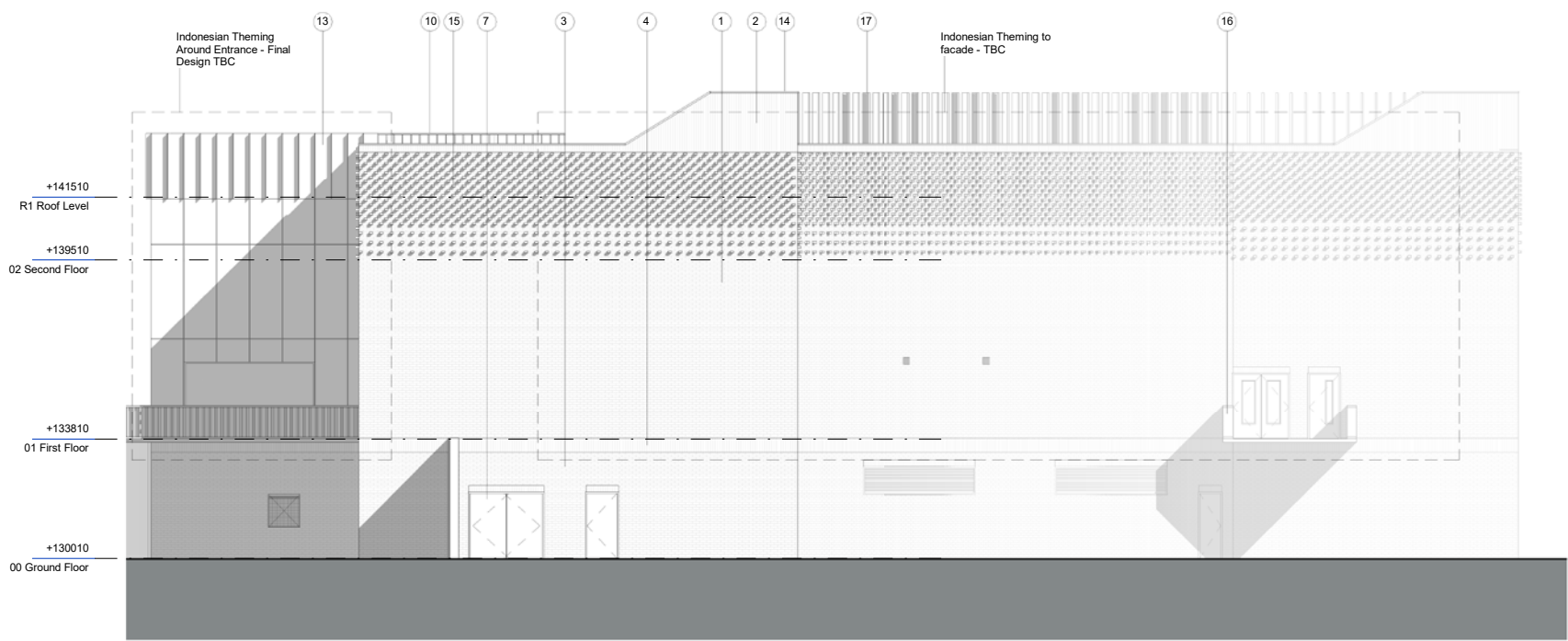
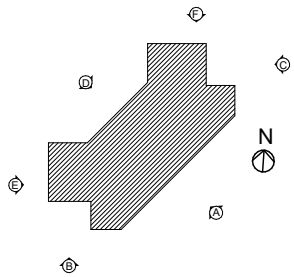


5.12 Design Proposals

Orangutan Habitat Proposed Elevations 3



Elevation E

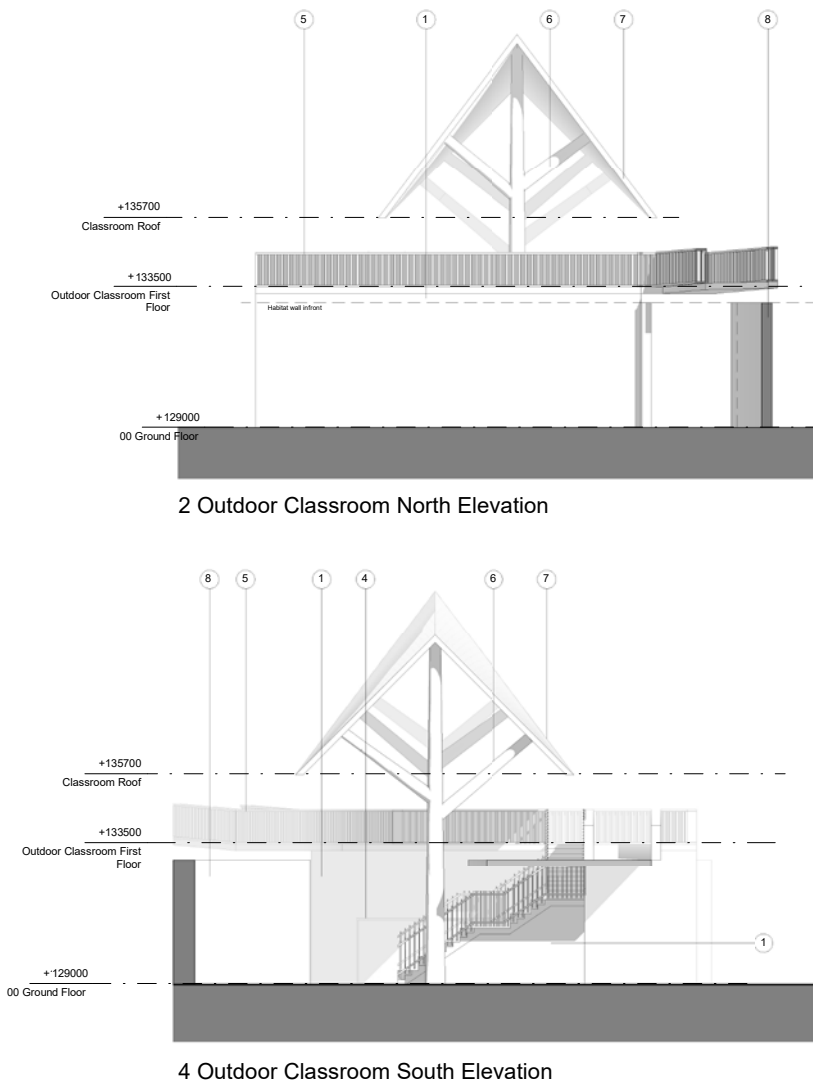
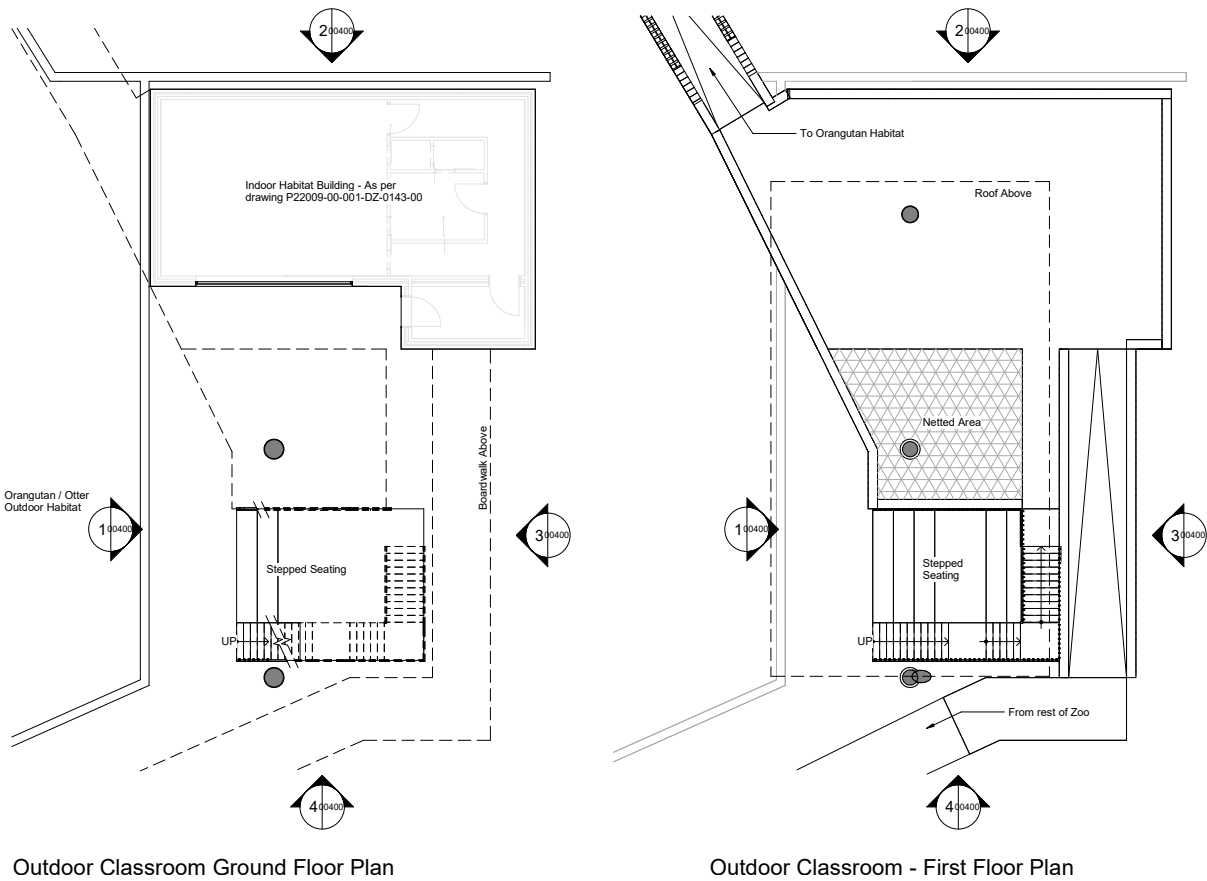


Elevation F

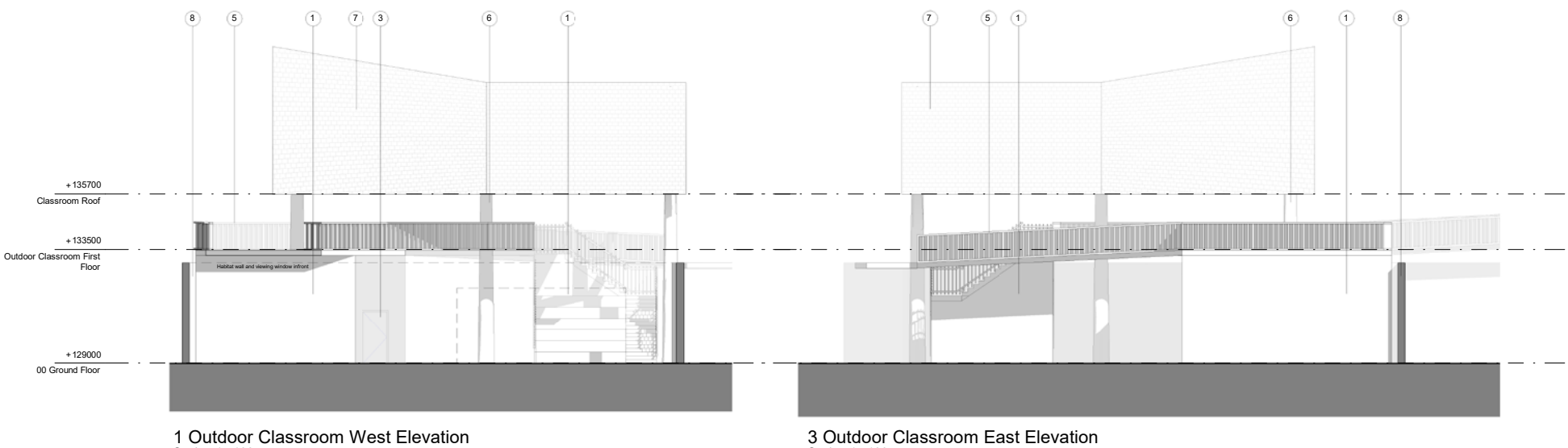
1	Brick / Mortar Type 1
2	Brick / Mortar Type 1: Soldier Course
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10	Powder coated railing - RAL colour matched to brickwork
11	Feature Bat Boxes
12	Existing site trees: power washed to remove bark and treated / Timber pergola
13	Cement Cladding Panels
14	Teracotta Coloured Precast Coping
15	Feature Protruding Brickwork
16	Timber Boardwalk
17	Teracotta Coloured Plant Screen

5.13 Design Proposals

Outdoor Classroom Proposed Plans & Elevations



The design intent for the outdoor classroom is to have simple terracotta coloured concrete massing to the habitat and stepped seats below – to give a relatively heavy monolithic base – then a much lighter timber roof and walkway structure above.



1	Terracotta Tinted Concrete
2	Timber Boardwalk
3	Powder Coated Aluminium Door
4	Powder Coated Aluminium Windows
5	Timber Balustrading
6	Timber / Timber Clad Frame
7	Timber Shingled Roof
8	Steel Habitat Walls

5.14 Design Proposals

Outdoor Classroom Look and Feel

The following images have been selected to convey the overall look and feel of the proposed external classroom. This traditional timber structure will be split across two levels with the upper level providing a space for visitors to view and learn about the animals, whilst also providing flexibility of use for class groups to gather for informal sessions.



6.00

Wider Visitor Experience

6.01 Wider Visitor Experience
Site Key Plan

The landscape design for the Orangutan habitats, visitor areas and education facility have been developed as a holistic landscape. The landscape proposals have been developed to create an immersive visitor experience.

Visitors will enter the new Indonesian development beneath a themed gateway before emerging into a rural Sumatran Village, complete with dwellings and market stalls. Here they will learn about some of the threats the animals and plants of this region face. Moving along this Village pathway towards the Forest, visitors will come across a clearing with stacks of felled timber. This clearing forms the themed play area and visitors will be encouraged to climb and scramble over logs and up to vantage points learning about deforestation and animal behaviours as they play.

Following on from this visitors will come upon a 'research outpost'. This building split over two levels provides a unique ground level experience and view of one of the proposed new habitats and with distant views of orangutans in the backdrop. In this area visitors will also come across a themed Asian song bird aviary. This walk through space will provide up close viewing of some of the most colourful and rare species. Visitors will also learn about the issues song birds face in the wild.

Upon leaving the song bird aviary, visitors will be guided along a rustic timber board-walk. Along the way visitors will catch glimpses of the orangutans as they climb, swing and move through the landscape. Upon reaching the top of the board walk visitors will come across a Borneo themed classroom which offers magnificent views across the main habitat. Climbing structures will be positioned within the landscape to promote animal movement through the space whilst providing awe inspiring views of the animals. Past the outdoor classroom, visitors will enter into the Orangutan indoor habitats. Here visitors will be immersed once again in a themed research centre. Visitors will have a number of opportunities to view into the indoor habitats and watch as the animals utilise the natural light spaces and traverse the climbing structures. Along the way researcher stations and vivarium's will provide additional viewing.

The journey from the proposed indoor viewing down through the landscape is filled with more opportunities to stop and interact with educational material. Visitors will discover additional unique species in their habitats, before making their way back to the wider zoo experience.

- | | |
|--|-------------------------------|
| 1 - Education facility / public realm | 11 - Bird Aviary |
| 2 - Service access route | 12 - Proposed Habitat |
| 3 - Existing detention basin / culvert | 13 - Village |
| 4 - Lodges | 14 - Play Area |
| 5 - Male Orangutan Habitat | 15 - Proposed Habitat |
| 6 - Main Orangutan Habitat | 16 - Indoor Orangutan Habitat |
| 7 - Mixed Orangutan Habitat | 17 - Proposed Habitat |
| 8 - Service Area | 18 - Carpark |
| 9 - External themed classroom | 19 - NSCC |
| 10 - Elevated visitor boardwalk | 20 - VIP Area |



6.02 Wider Visitor Experience
Lodges

Researchers will have the option to stay in longer term accommodation in the form of lodges.

The lodges will be a modern interpretation of the unique architecture of Indonesia. The style is characterised by timber construction and varied and elaborate roof structures. *Rumah Adat* translates to traditional house, and each province has their own style. The following pages indicates the design proposed for Twycross Zoo's Rumah Adat.



Rumah Aceh House



Toba Batak Village



Karo Batak Village



Rumah Adat

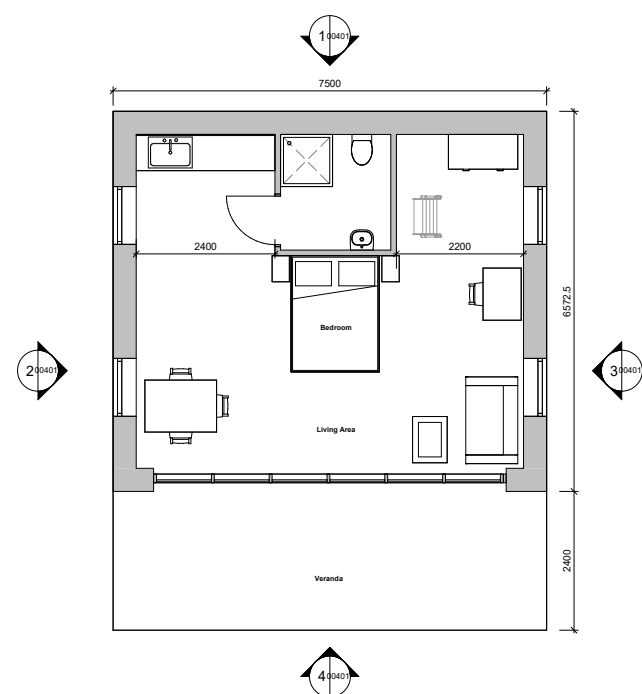


West Sumatra House

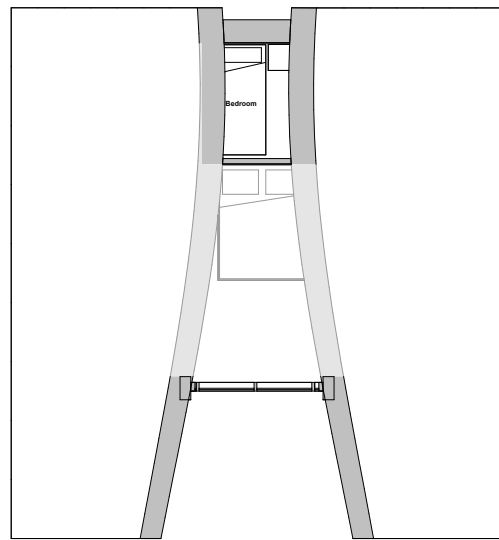


Toraja Houses

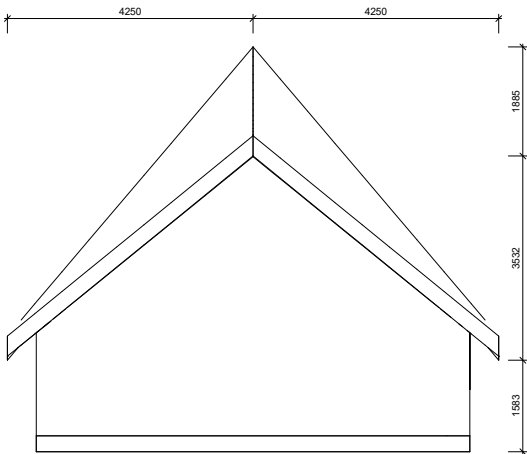
6.02 Wider Visitor Experience
Lodges - Plans and Elevations



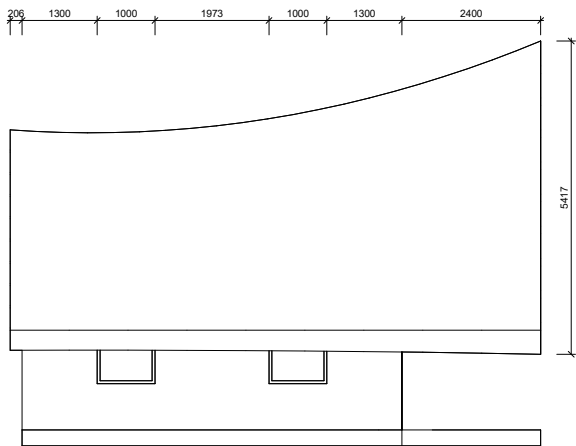
Ground Floor Plan



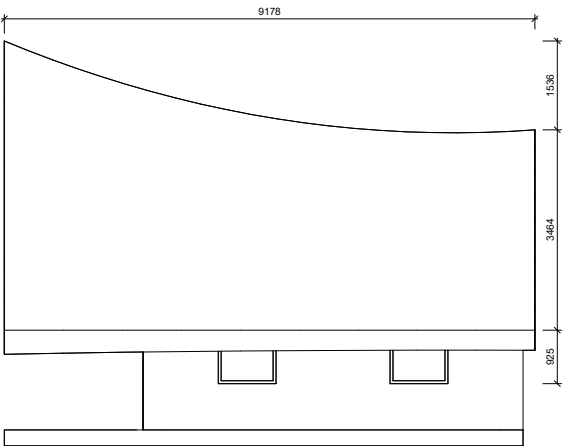
Optional First Floor Plan



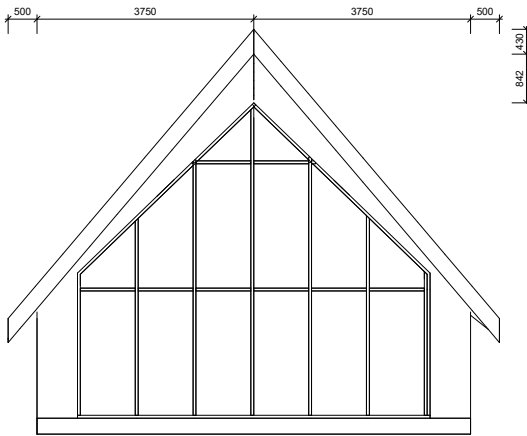
Elevation 1



Elevation 2



Elevation 3



Elevation 4

6.03 Wider Visitor Experience
Animal Areas

-  Proposed Habitat (Approx 400m2)
-  Proposed Habitat (Approx 550m2)
-  Proposed Habitat (Approx 175m2)
-  Avairy Habitats (Approx 185m2)
-  Orangutan Habitats (Approx 3390m2)



6.04 Wider Visitor Experience
Viewing Strategy

- Views from Lodges
- Views from Elevated boardwalk
- Internal viewing opportunities
- Key viewing windows
- Existing viewing windows

