

Sydney Zoo

Back of House Concept Statement

Buildings 7-24

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Buildings 7 - 24



Contents

1. Introduction	4		
Introduction	5	Building 12- Back of House	
Site Plan	6	Sun Bear and New Ungulate	15
2. Design Principles	7	Building 13- Back of House	
		Elephant	16
		Building 14- Back of House	
		Lion Prides 1&2 and Cheetah	17
		Building 15- Back of House	
		African Wild Dog	18
		Building 16- Back of House	
		Hippopotamus,Puma/Cougar and Bison	19
		Building 17- Back of House	
		African Grassland- Service Yard	20
		Building 18- Back of House	
		Giraffe and African Grassland	21
		Building 19- Back of House	
		Rhinoceros	22
		Building 20- Back of House	
		Works Depot	23
		Building 21 and 22- Back of House	
		Eastern and Western Amenities Blocks	24
		Building 23 and 24- Back of House	
		Eastern and Western Kiosks	25
3. Buildings 7-24	9		
Building 7 - Back of House			
Dingo Habitat	10		
Building 8- Back of House			
Australian Habitat Walk, Gorilla			
and Arboreal Monkey 1&2	11		
Building 9- Back of House			
Farm Experience	12		
Building 10-Back of House			
Chimpanzee, Baboon and Orang utan	13		
Building 11- Back of House			
Tiger	14		



1. Introduction



Introduction

The proposed new series of Back of House buildings that are set within the design of the new Sydney Zoo are to provide off-exhibit shelter and space for the animals, a space for the larger animals to receive veterinary care and a workspace for the staff for animal care, maintain exhibits and food store.

These buildings are only accessed by qualified staff members and not accessible by the general public.

The safety and welfare of the animals is of high priority as is the safety and welfare of the staff.

These buildings will be discrete in the Sydney Zoo without impacting on surrounding landscape, and the amenity of the area. Each will be accessible by either small or road vehicles.

All Back of House buildings and enclosures will comply with all relevant regulations, including:

- General Standards for Exhibiting in New South Wales: Exhibited Protection Act, 1986 (updated March 2004)
- Exhibited Animals Protection Act 1986 No. 123
- NSW Exhibited Animals Protection Regulations 2010
- A Guide to the Exhibition of Animals in New South Wales : NSW Government Industry and Investment
- Standards for Exhibiting Australian Mammals in New South Wales: Exhibited Protection Act, 1986.
- Standards for Exhibiting Carnivores in New South Wales: Exhibited Protection Act, 1986
- Policy on Exhibiting Primates in new South Wales: NSW Agriculture

This document is to support the State Significant (SSD) Development Application (DA) submitted to the Minister for Planning pursuant to Part 4 of the Environmental Planning and assessment Act 1979 (EP&A Act).

This Application seeks the approval for the construction of new buildings associated with a new public zoological park, Sydney Zoo.



Site Plan : not to scale

2. Design Principles

Back of House Design Principles

The new Sydney Zoo will breathe new life into a once-neglected part of the City of Blacktown. The new Sydney Zoo public buildings (1-6) present new environmentally sustainable buildings and will support an extensive planting of native plants and exotic planted habitats, making it a significant horticultural park and research centre as well as a world class zoo. The Back of House building will be a discrete addition to support the staff, animal care and off-exhibit animal accommodation.

The new Sydney Zoo is the result of an ambitious integration of physical, cultural and organisational strategies. The Sydney Zoo Precinct has been designed around the core drivers of conservation, environment, education, and research.

Landscape and built forms for the project have been considered as a single interwoven environment to create a unique Australian space. The external colour palette and materials for the precinct reflect the Australian landscape incorporating charcoal, spotted gum timber and native plants.

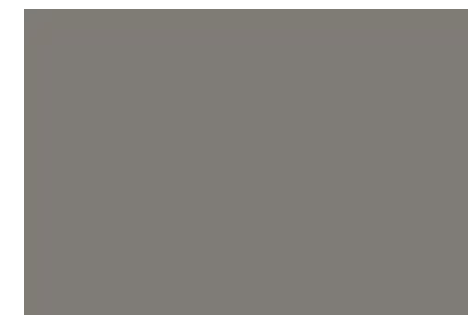
The Back of House Building will be:

- Take into strong consideration the animal's size, behaviour, safety and welfare . As well as the safety and welfare of the staff.
- Discrete in the Sydney Zoo landscape. Provide screen planting where possible.
- Made from robust, heavy duty construction and materials
- Be primarily of steel frame construction with walls clad externally with Colorbond sheeting and lined internally with appropriate robust lining.

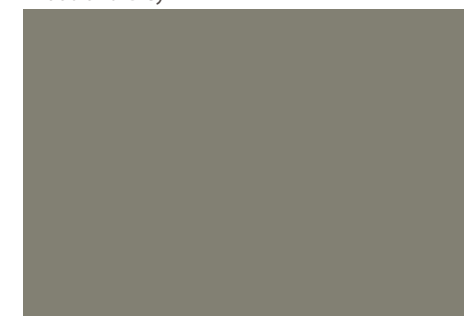
- Be as environmentally sustainable as possible in design and construction. To be integrated with the Sydney Zoo's water collection and recycling systems.
- Encourage Environmentally Sustainable work practice by the Sydney Zoo staff.
- Provide spaces that are easy to clean and maintain.
- Utilise natural light where possible with the use of skylights.
- Provide natural ventilation or temperature control where required
- External colours inspired by the surrounding landscape.



Woodland Grey



Wallaby



Bushland



Jasper

Exterior Colorbond Colour Concept

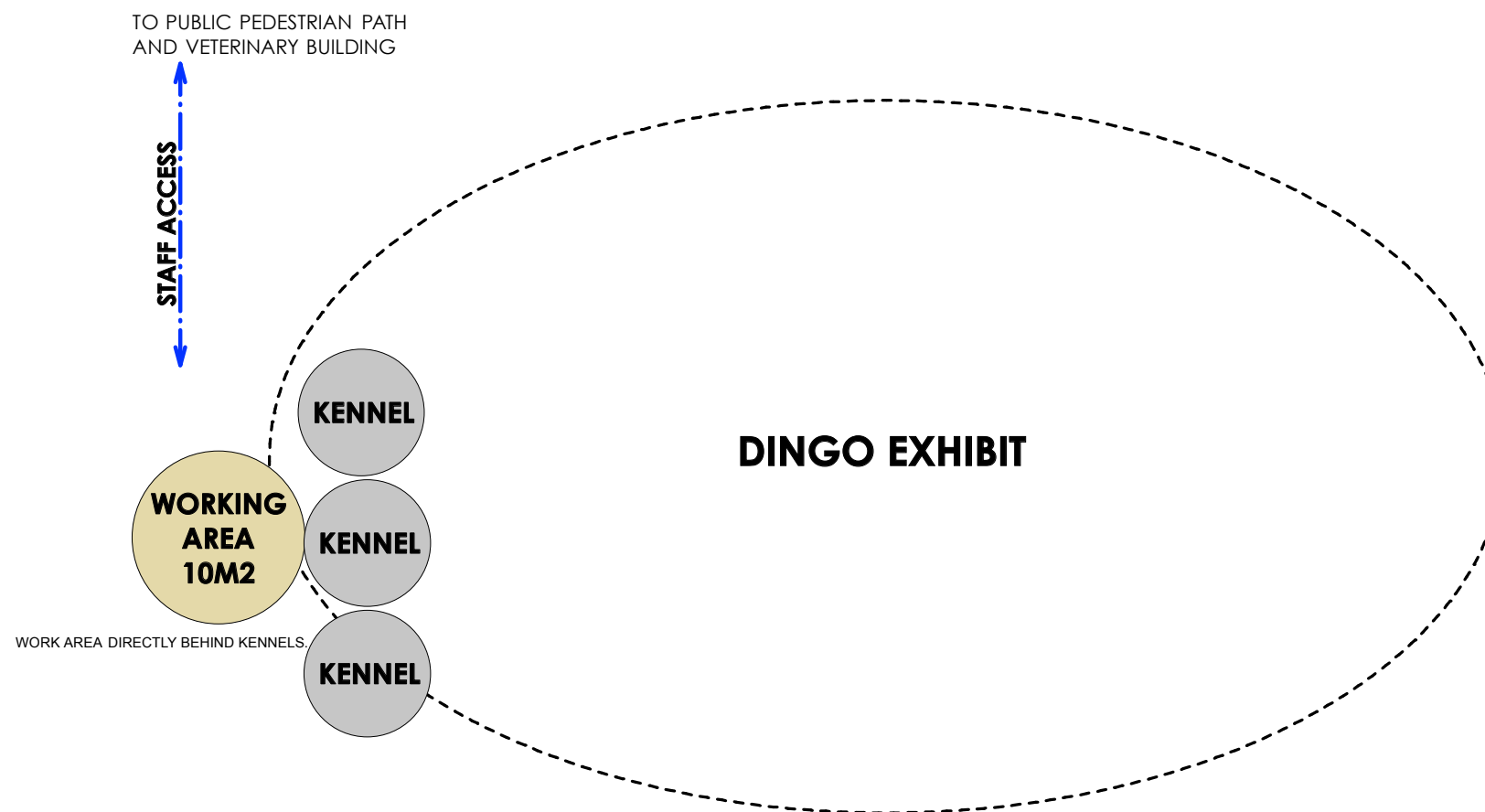
4. Buildings 7 - 24

Building 7

Back of House - Dingo Habitat

Materials Concept

- Dingo Housing: heavy duty, weather proof dog kennels with solid, dry floor.
- Work Area: Colorbond clad shed



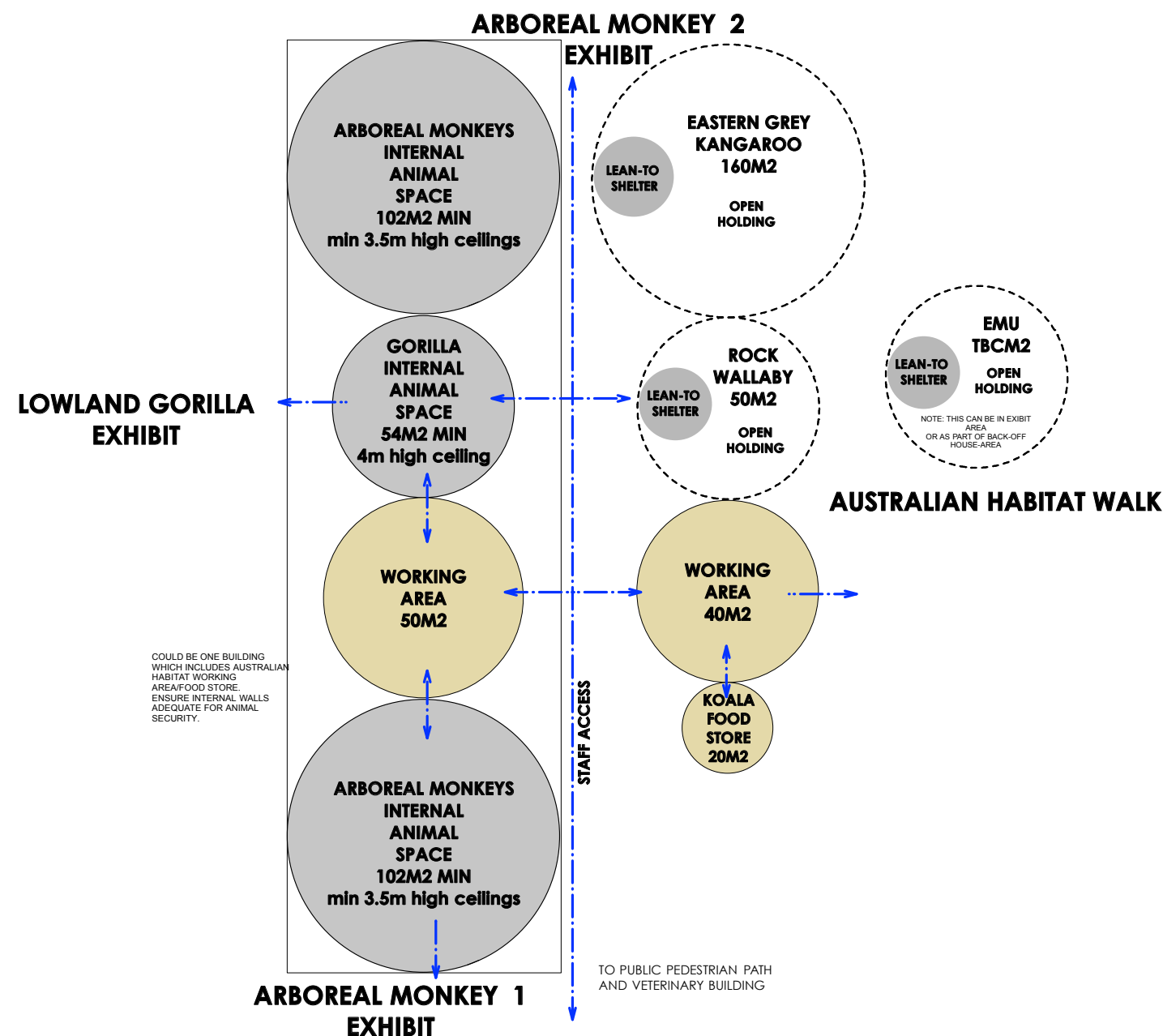
Concept Images for Dingo Kennels

Building 8

Back of House - Australian Habitat Walk, Gorilla and Arboreal Monkey 1&2

Materials Concept

- Australian Habitat Animal Housing: Lean to shelters on the ground.
- Gorilla and Arboreal Monkey Housing: Concrete Slab with building of steel frame construction. External walls and roof clad in Colorbond, internal walls lined with heavy duty material. Insulation to walls. Internal spaces to be furnished as per animal requirements. Skylights where possible.
- Work Area: Integrated with the Animal Housing building



Arboreal Monkey Internal Animal Space



Secure Gorilla Holding



Internal Gorilla Space



Kangaroo or Wallaby or Emu Shelter



Koala Food Store



Emu Open Holding

Building 9

Back of House - Farm Experience

Materials Concept

- Animal Housing - Lean to shelter on ground or concrete slab where required. Provide internal space where required.
- Work Area: Colorbond shed

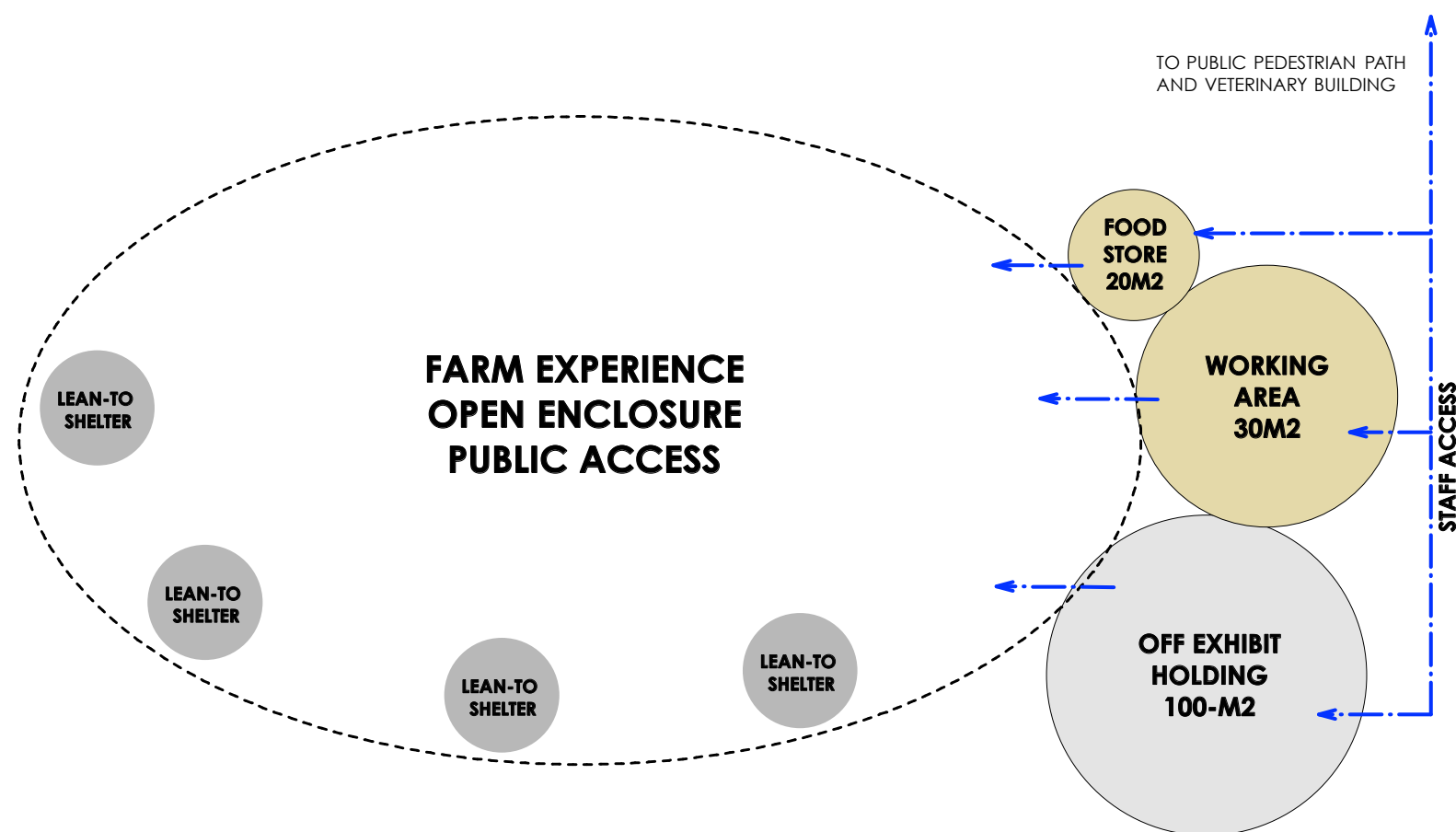


Exhibit Shelter



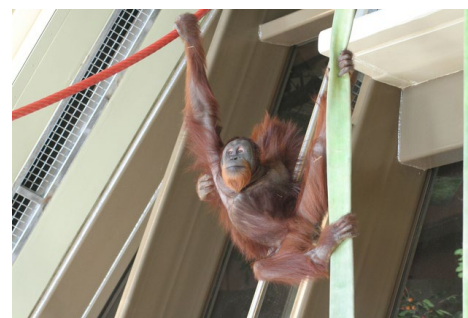
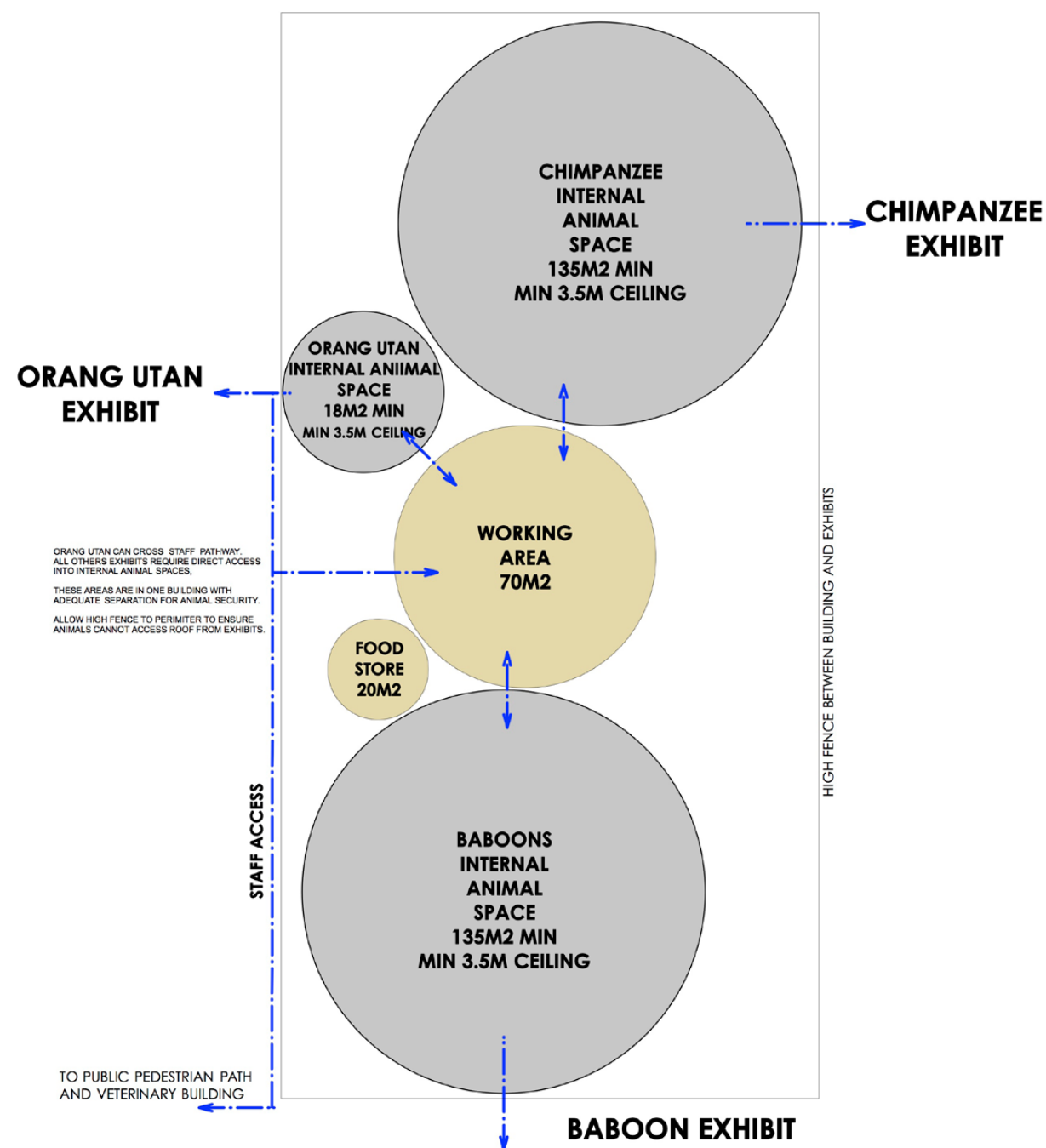
Off-Exhibit Holding

Building 10

Back of House - Chimpanzee, Baboon and Orang utan

Materials Concept

- Chimpanzee, Baboon and Orang utan Housing: Concrete Slab with building of steel frame construction. External walls and roof clad in Colorbond, internal walls lined with heavy duty material. Insulation to walls. Internal spaces to be furnished as per animal requirements. Skylights where possible.
- Work Area: Integrated with the Animal Housing building



Orang utan Internal Space



Baboon Internal Space and Secure Holding



Chimpanzee Internal Space

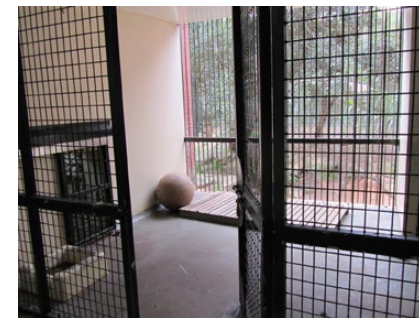
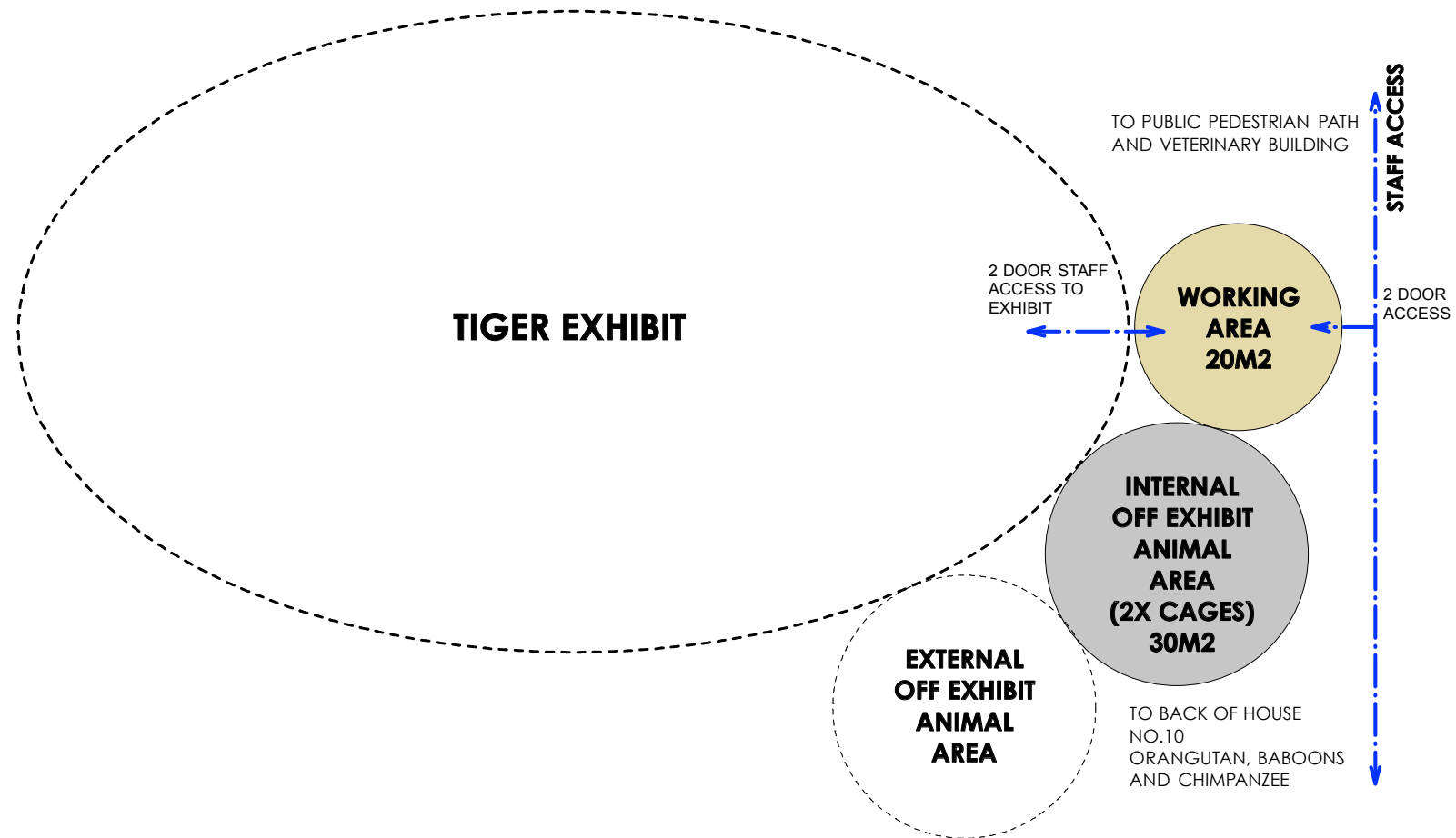


Building 11

Back of House - Tiger

Materials Concept

- Tiger Housing: Concrete Slab with building of steel frame construction.
External walls and roof clad in Colorbond, internal walls lined with heavy duty material. Insulation to walls.
Internal spaces to be furnished as per animal requirements. Skylights where possible.
- Work Area: Integrated with the Animal Housing building



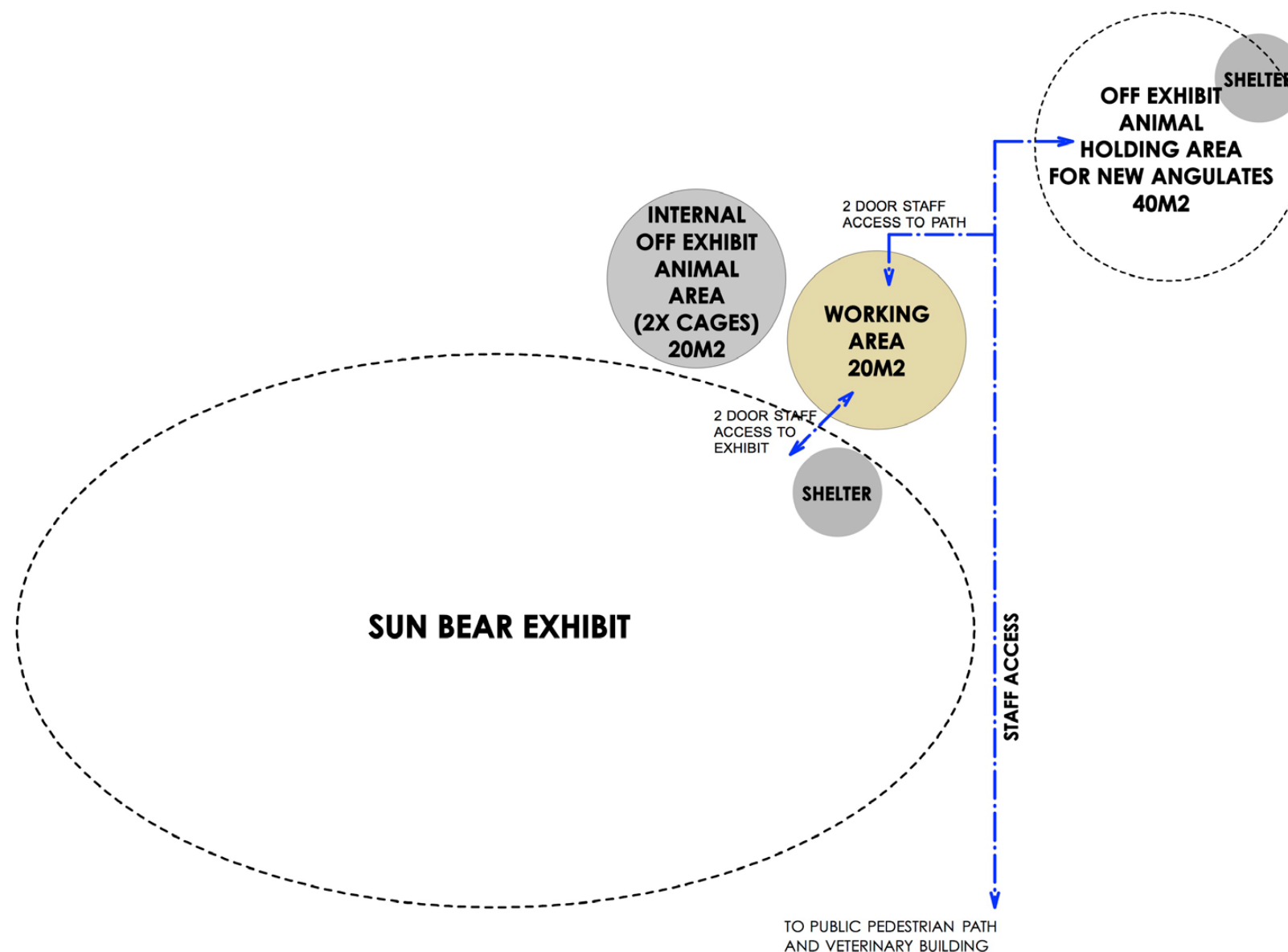
Tiger Secure Animal Corridor and Internal Space

Building 12

Back of House - Sun Bear and New Ungulate

Materials Concept

- Sun Bear Housing: Concrete Slab with building of steel frame construction.
External walls and roof clad in Colorbond, internal walls lined with heavy duty material. Insulation to walls.
Internal spaces to be furnished as per animal requirements. Skylights where possible.
- Work Area: Integrated with the Animal Housing building
- New Ungulate Housing: heavy duty stable type housing with enclosed holding yards.



Sun Bear Internal Space



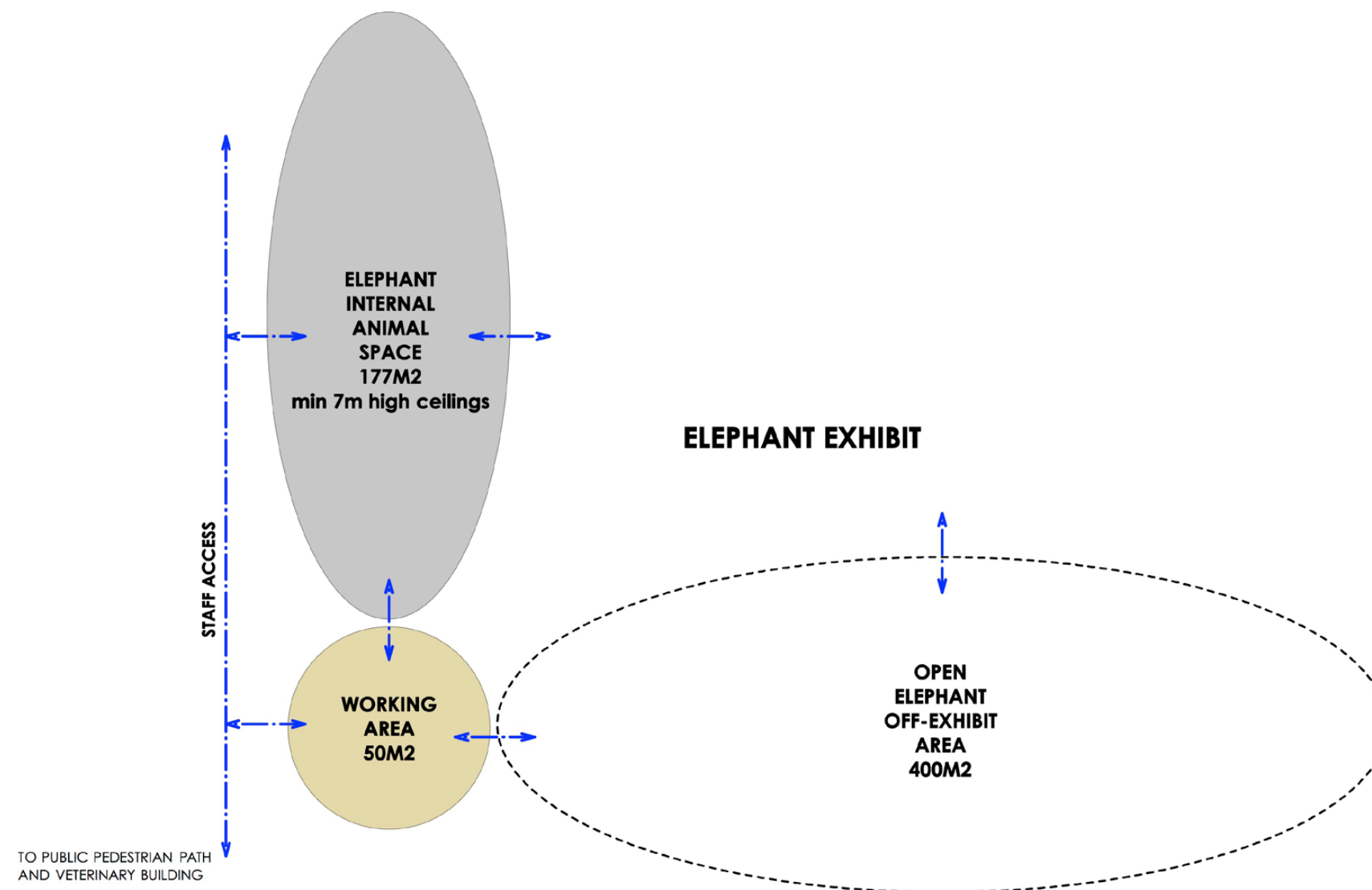
New Ungulates Shelter

Building 13

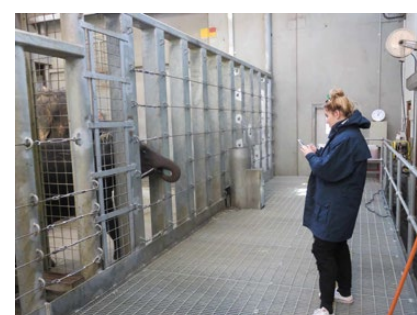
Back of House - Elephant

Materials Concept

- Elephant Housing: Concrete Slab with building of steel frame construction. External walls and roof clad in Colorbond, internal walls lined with heavy duty material. Insulation to walls. Internal walls with 1500mm high core filled and rendered blockwork wall. Internal spaces to be furnished as per animal requirements. Skylights where possible.
- Work Area: Integrated with the Animal Housing building



Elephant Internal Space



Elephant Off Exhibit Area



Building 14

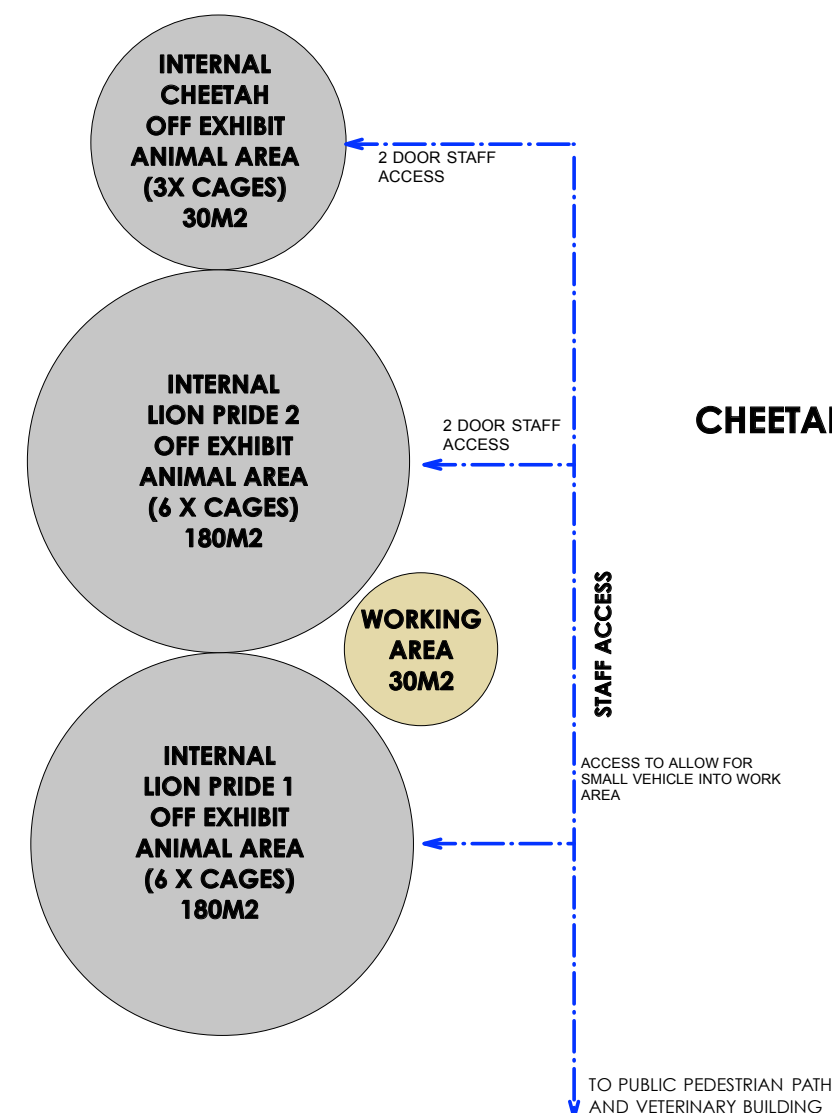
Back of House - Lion Prides 1& 2 and Cheetah

Materials Concept

- Lion and Cheetah Housing: Concrete Slab with building of steel frame construction.
External walls and roof clad in Colorbond, internal walls lined with heavy duty material. Insulation to walls.
Internal spaces to be furnished as per animal requirements.
Skylights where possible.
- Work Area: Integrated with the Animal Housing building

LION 2 EXHIBIT

CHEETAH EXHIBIT



LION 1 EXHIBIT



Lion or Cheetah Run and Internal Space



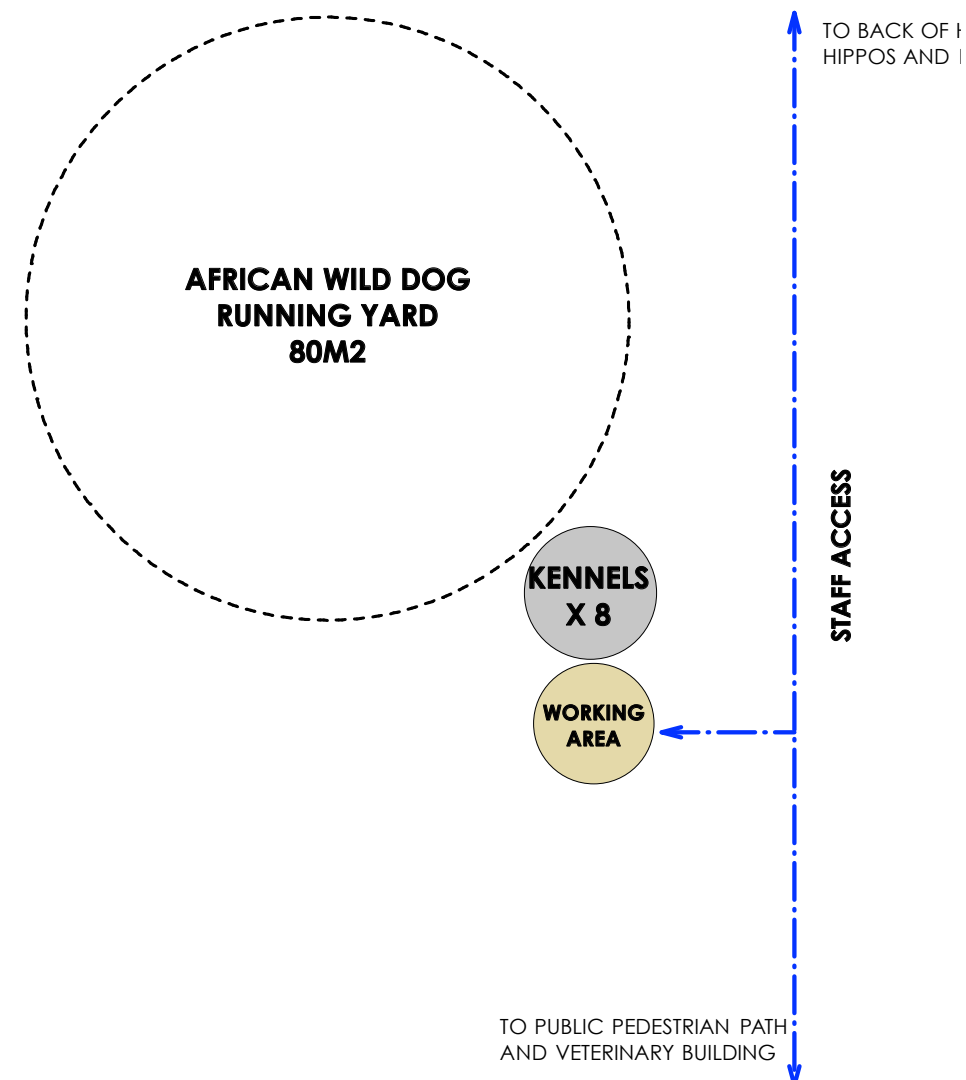
Building 15

Back of House - African Wild Dog

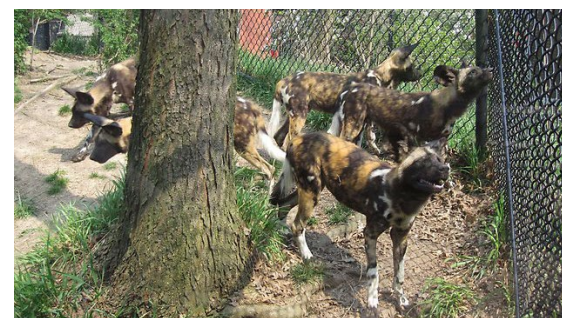
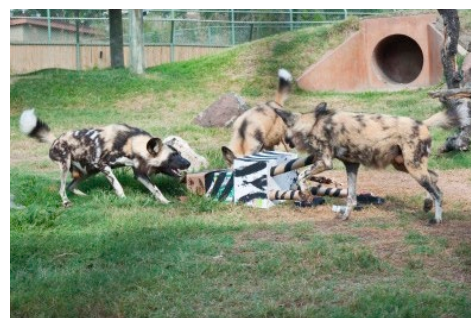
Materials Concept

- a. African Wild Dog Housing: heavy duty, weather proof dog kennels with solid, dry floor. Run to be enclosed with chain wire fence.

AFRICAN WILD DOG EXHIBIT



African Wild Dog Running Yard and Kennel



Building 16

Back of House - Hippopotamus, Puma/Cougar and Bison

Materials Concept

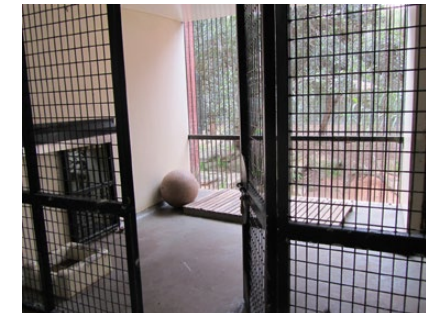
- Hippopotamus Housing: Heavy Duty lean to shelter with adjacent off-exhibit pool.
- Puma Housing: Concrete Slab with building of steel frame construction. External walls and roof clad in Colorbond, internal walls lined with heavy duty material. Insulation to walls. Internal spaces to be furnished as per animal requirements. Skylights where possible.
- Bison Housing: Heavy Duty lean to shelters on the ground.
- Work Area: Integrated with the Animal Housing building



Bison Shelter



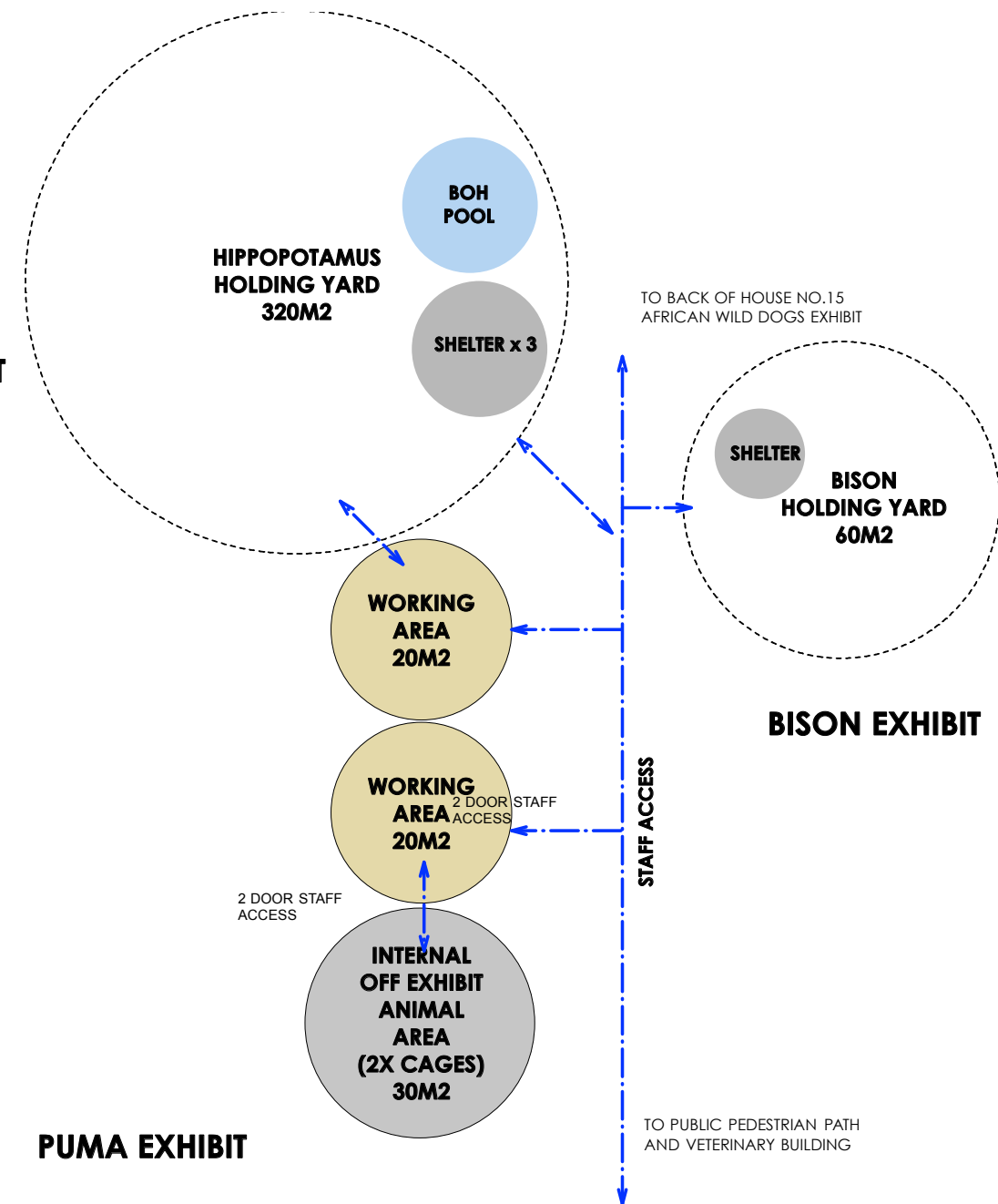
Hippopotamus Shelter and Pool



Puma Internal Space



HIPPOPOTAMUS EXHIBIT

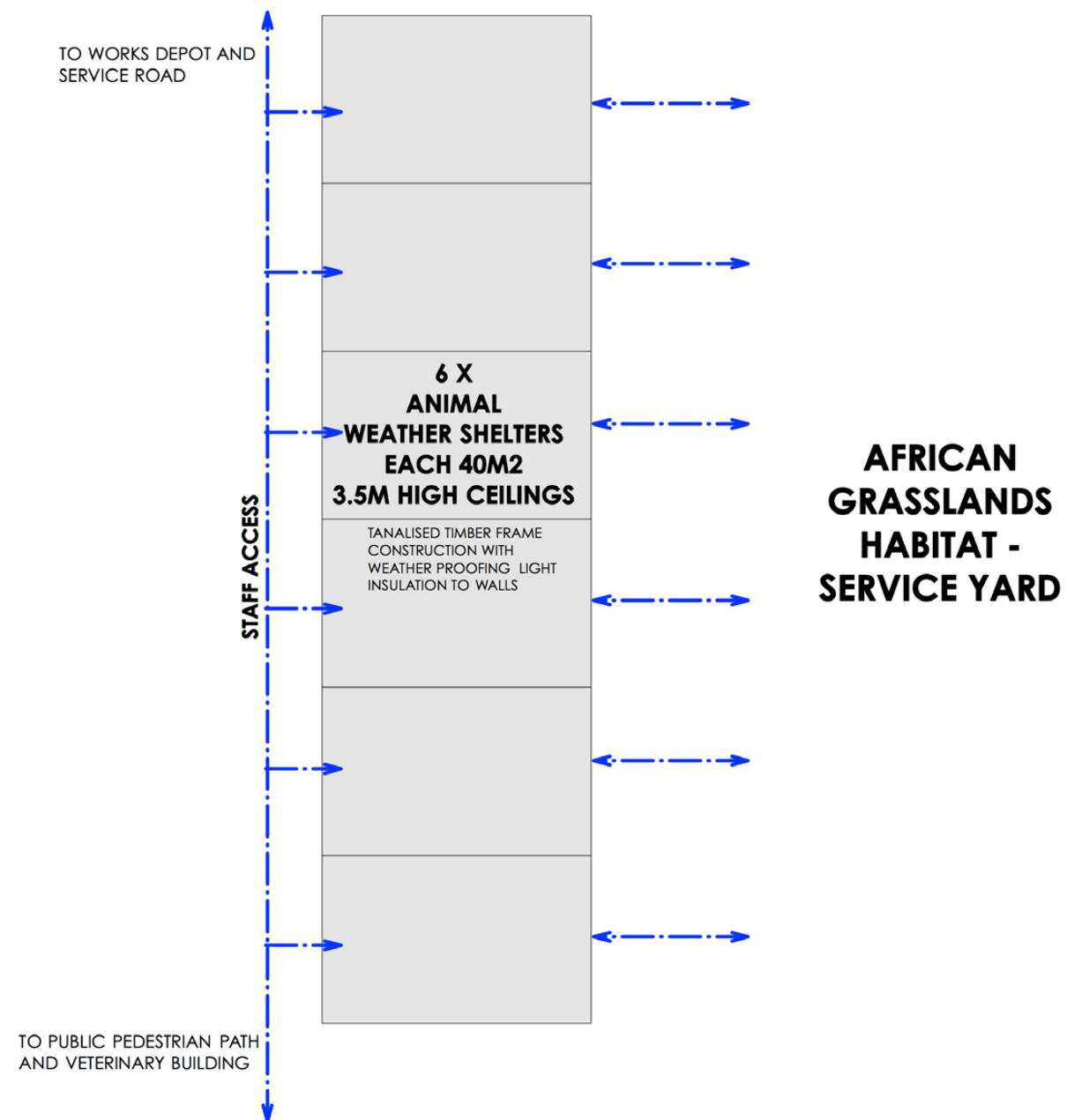


Building 17

Back of House - Service Yard

Materials Concept

- a. Service Yard Housing : heavy duty table type housing with enclosed holding yards.



Service Yard Weather Shelters Enclosures and Building Form



Rhinoceros Shelter and Holding yard with Stone Boulder Fence

Building 18

Back of House - African Grassland

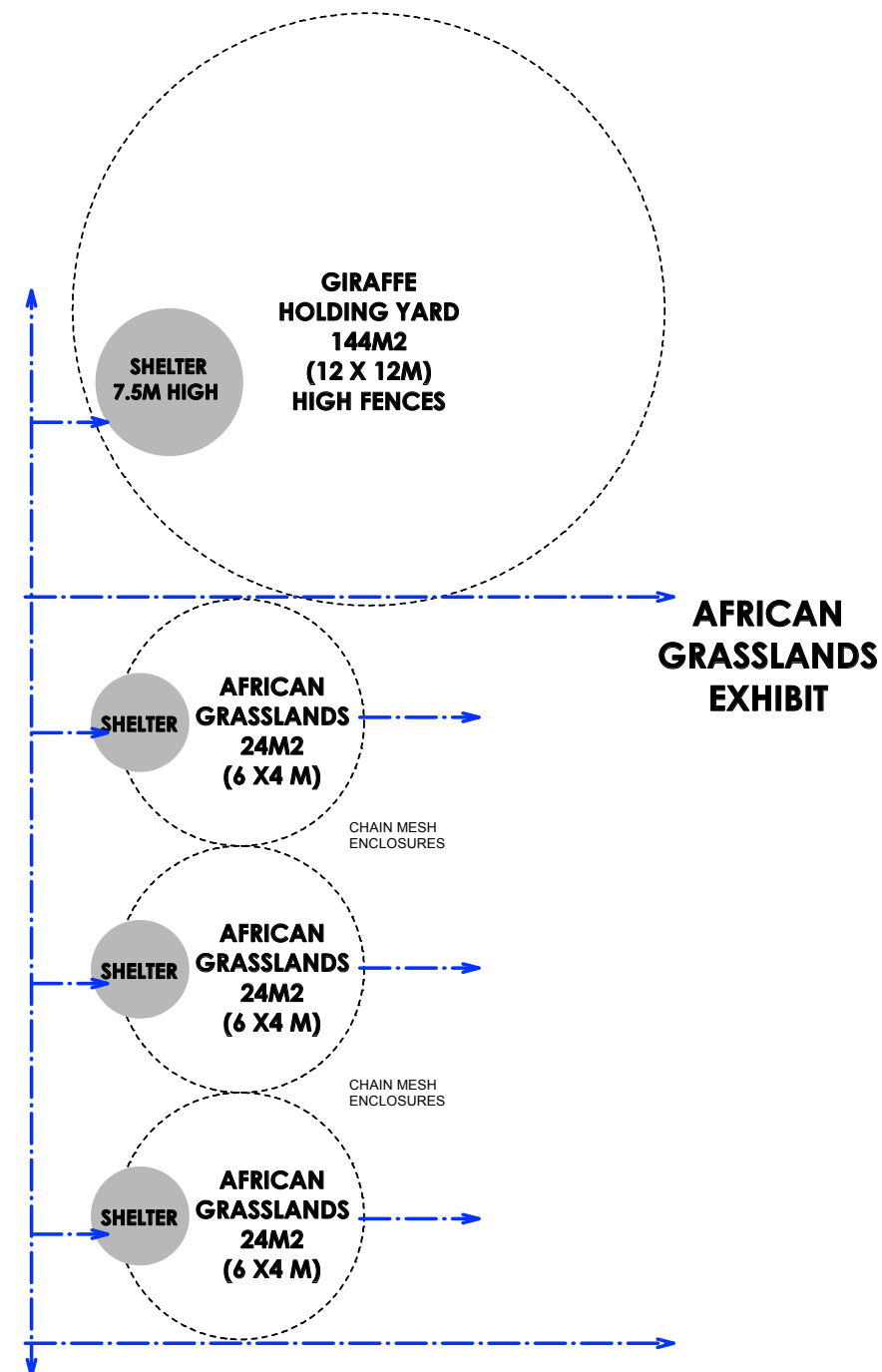
Materials Concept

- African Grasslands Housing: heavy duty stable type housing with enclosed holding yards.
- Giraffe housing : 7.5m high heavy duty stable with enclosed holding yard

TO SERVICE YARD
SHELTERS

STAFF ACCESS

TO PUBLIC PEDESTRIAN PATH
AND VETERINARY BUILDING



African Grassland Service Yard Shelter and Holding Yard



Giraffe Shelter and Gate

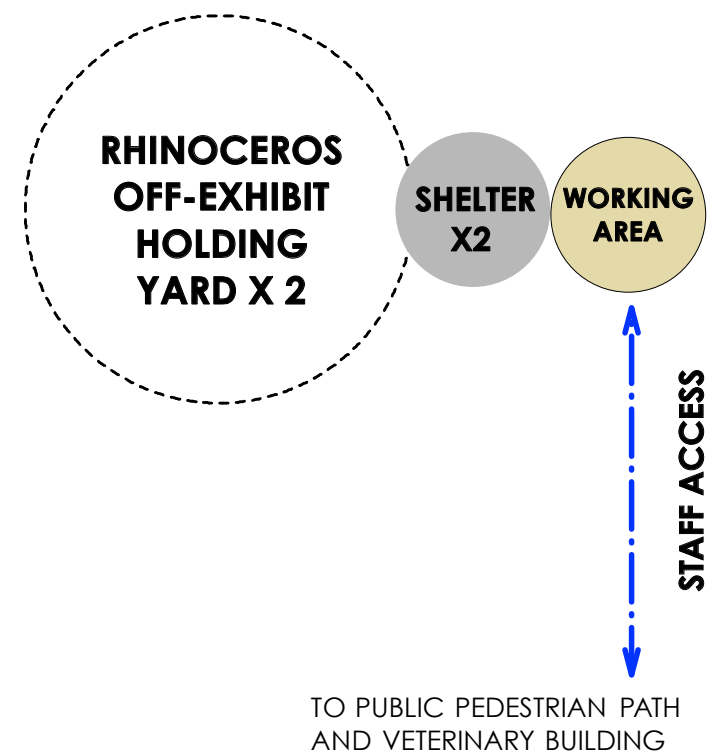


Building 19 Back of House - Rhinos

Materials Concept

- a. Rhinoceros Housing : Heavy Duty lean to shelters on the ground with heavy duty fence.

AFRICAN GRASSLANDS RHINOCEROS EXHIBIT



Rhinoceros Shelter and Holding yard with Stone Boulder Fence



Building 20 Back of House - Works Depot

Materials Concept

- Works Depot Shed: "Off-the-shelf" Colorbond farm working shed with secure store for chemicals etc.
- Storage bays with pre-cast concrete partitions.
- Concrete pad for skip storage.



WORKS DEPOT



Works Depot Shed and Storage Bays for soil etc.

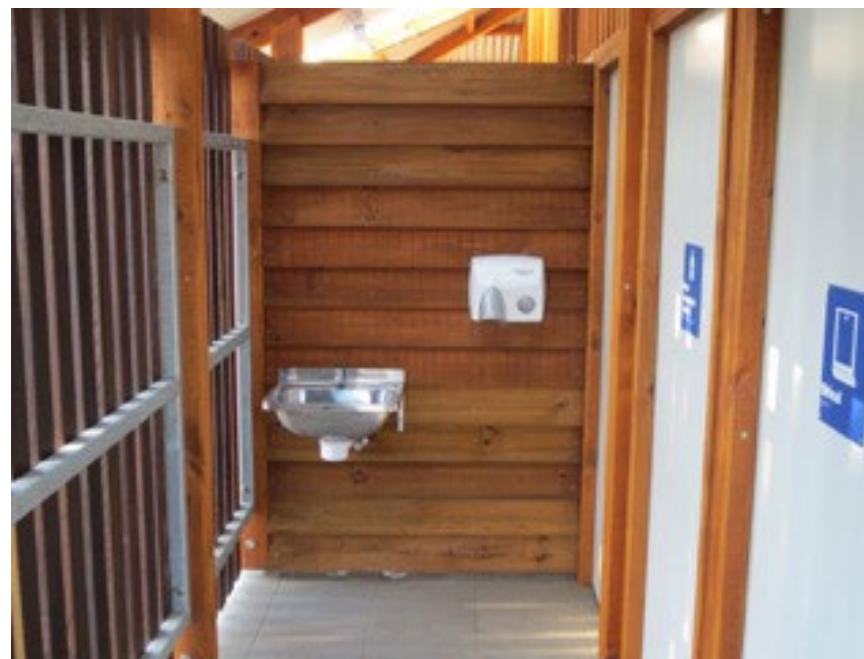


Buildings 21 and 22

Back of House - Eastern and Western Amenities Blocks

Materials Concept

- a. Pre-fabricated, heavy duty amenities block.



Buildings 23 and 24

Back of House - Eastern and Western Kiosks

Materials Concept

- a. Pre-fabricated, heavy duty Kiosk of similar design language to amenities blocks.



