

# Appendix H Enclosure Specifications

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 **LEGACY** | ENVIRONMENTAL  
MANAGEMENT  
CONSULTING



**Fence Class 1 (2.4 m) and Fence Class 2 (1.8 m)**

Poles	Straining, gate & corner posts	Wooden	120 – 140 mm
		Iron	80 – 90 mm
	Line	Wooden	100 – 140 mm
		Iron	40 – 50 mm
Droppers		Wooden	32 – 50 mm
		Iron	standard steel

Spacing (max)	Straining posts	Planted at min depth of 90 cm	100 – 200 m apart
	Line poles	Planted at min depth of 60 cm	10 m to 12 m apart
	Droppers		2 m apart

**Fence Class 3 (1.4 m)**

Poles	Straining, gate & corner posts	Wooden	120 – 140 mm
		Iron	80 – 90 mm
	Line	Wooden	100 – 140 mm
		Iron	40 – 50 mm
Droppers		Wooden	32 – 50 mm
		Iron	standard steel

Spacing (max)	Straining posts	Planted at min depth of 90 cm	250 m apart
	Line poles	Planted at min depth of 60 cm	16 – 20 m apart
	Droppers		1m to 3 m apart

#### **Class 4 – Special Class**

In respect of animals in this class, the following steps must be taken:

- A fence maintenance patrol schedule must be implemented, with fence inspections taking place on at least a monthly basis. In respect of animals in this class that are kept in captivity, the enclosure fences must be inspected on a daily basis;
- Fence patrol logbooks must be kept up-to-date, including overall fence condition, vegetation encroachment, fire/flood damage, fence maintenance/repair, detail of voltage checks (which must be made available for inspection on request), etc.;
- Each energiser must be supplied with a back-up power source;
- Warning signs indicating electrified fences and the presence of dangerous animals must be placed at all gates and along fences at prescribed regular intervals;

<b>Common Name</b>	<b>Fence Height</b>	<b>Fencing Specifications</b>
Hippopotamus	1.4 m	Bonnox, OR 12 properly spaced wire strand stock-proof fence, minimum of 2 electrified strands with a minimum current strength of 6000V mounted on off-set brackets on the inside of the fence at 500mm and 1000mm
Cape buffalo <sup>2</sup>	1.8 m	Bonnox, OR 15 properly spaced wire strand stock-proof fence, minimum of 2 electrified strands with a minimum current strength of

		6000V mounted on off-set brackets on the inside of the fence at 500mm and 1000mm equally spaced across the entire height of the fence, no cables required. Boma facility for veterinary processing.
Black rhinoceros	1.8 m	Bonnox, OR 15 properly spaced wire strand stock-proof fence, minimum of 2 equally spaced electrified strands with a minimum current strength of 6000V mounted on off-set brackets on the inside of the fence at 500mm and 1000mm, no cables required Black rhino must be off-loaded into a holding boma before release onto main property.
White rhinoceros	1.8 m	
African elephant	2.4 m	Bonnox, OR 18 properly spaced single steel wire strand stock-proof fence, with a minimum of 3 electrified strands on the inside of the fence with a minimum current strength of 6000V mounted on off-set brackets of at least 450 mm with the bottom strand starting at 1000 mm equally spaced across the entire height of the fence. The provisions of this policy must be read with The Norms and Standards for the Management of Elephants in South Africa.

<b>Common Name</b>	<b>Fence Height</b>	<b>Fencing Specifications</b>
Lion	2.4 m	Mesh and wires must be mounted on inside of fence poles. Option A: 18 properly spaced strands above 1.2 m meshed wire or diamond mesh or jackal proof. A minimum of 6 electrified

Brown hyena	2.4 m	strands with a minimum current strength of 6000V must be mounted on offset brackets at least 250 mm from the fence equally spaced across the entire height of the fence. The first strand should be mounted 100 to 150 mm above the ground and offset at least 250 mm from the fence on the inside, to prevent burrowing. The uppermost electrified strand must be mounted on an offset bracket at least 450 mm from the fence.
Cheetah	2.4 m	Option B: 2.4 m Veldspan and/or Bonnox (150 mm vertical wire spacing) type fencing is also deemed to be adequate, with the minimum of 6 electrified strands with a minimum current strength of 6000V equally spaced across the entire height of the fence as indicated above.