

**2.2.3** Supply and erect a new security fence with total length **8.2km** as shown in the drawing ,

The details specifications of the fence and posts are:

<b>Mesh &amp; Fixtures</b>	
Module:	CLEAR MODULAR MESH PANELS Green Colour + Anti Climb + Anti Cut + Rigidity + Flush Finish
Panel width:	3.4m (approximately)
Height:	3.4m (3m above the ground + 0.4 underground)
Mesh Dimension:	4mm vertical / 3mm horizontal both panels Wire with aperture size @ 75mm x 12.5mm (proximately)
Panel Formation:	Panel reinforced with 4 x 50mm deep V formation horizontal recessed bands, integrated modular rail.
Finishes:	Mesh pre-galvanized, then Marine Fusion Bond coated / or equivalent high quality coating for anti-corrosion
<b>Posts</b>	
Post height:	3.6m (approximately)
Post Description:	85mm – 45mm, depth: 85mm. including Locking Recess mechanism / or as per vendor standard
Finishes:	Hot Dipped Galvanized, then Marine Fusion Bond coated/ or equivalent high quality coating for anti-corrosion
<b>Additional items</b>	
Topping	100mm Castel spike (Galvanized and Marine Fusion Bond coated finishes) / or equivalent high quality coating for anti-corrosion
Under-dig	0.4mm high mesh with aperture @ 75mm x 12.5mm (mesh pre-galvanized, then Bitumen coated) for whole SA boundaries.

**Sample type of the fence, posts and Castle spikes**

**SAFETY FIRST**  
Top horizontals support posts eliminated

**MAINTENANCE FREE**

**APERTURES**

**TOO NARROW - DIFFICULT TO CLIMB**

**RIGID PANEL**  
Patented Pressed Panel Technology

**RAPID INSTALLATION**  
11 foot wide panels

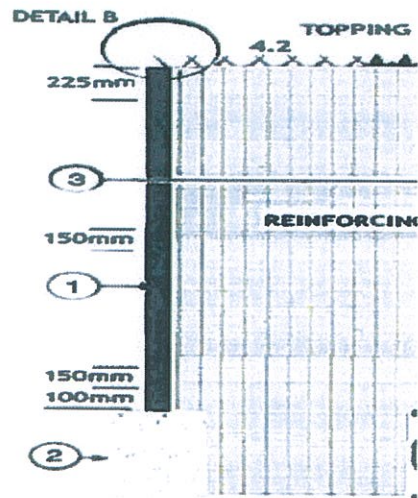
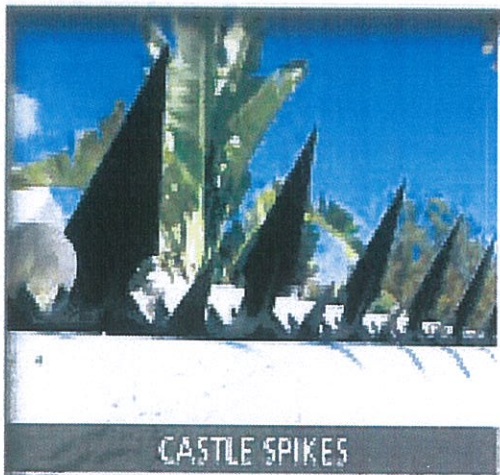
**CASTLE SPIKES**

**TOPPING**  
Integrated top rail allows for array of topping option

**FLUSH PANEL POST FINISH**

**REAL ATTRACTIVE APPEARANCE**

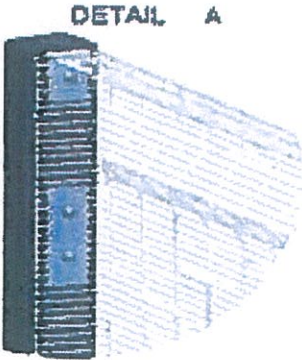
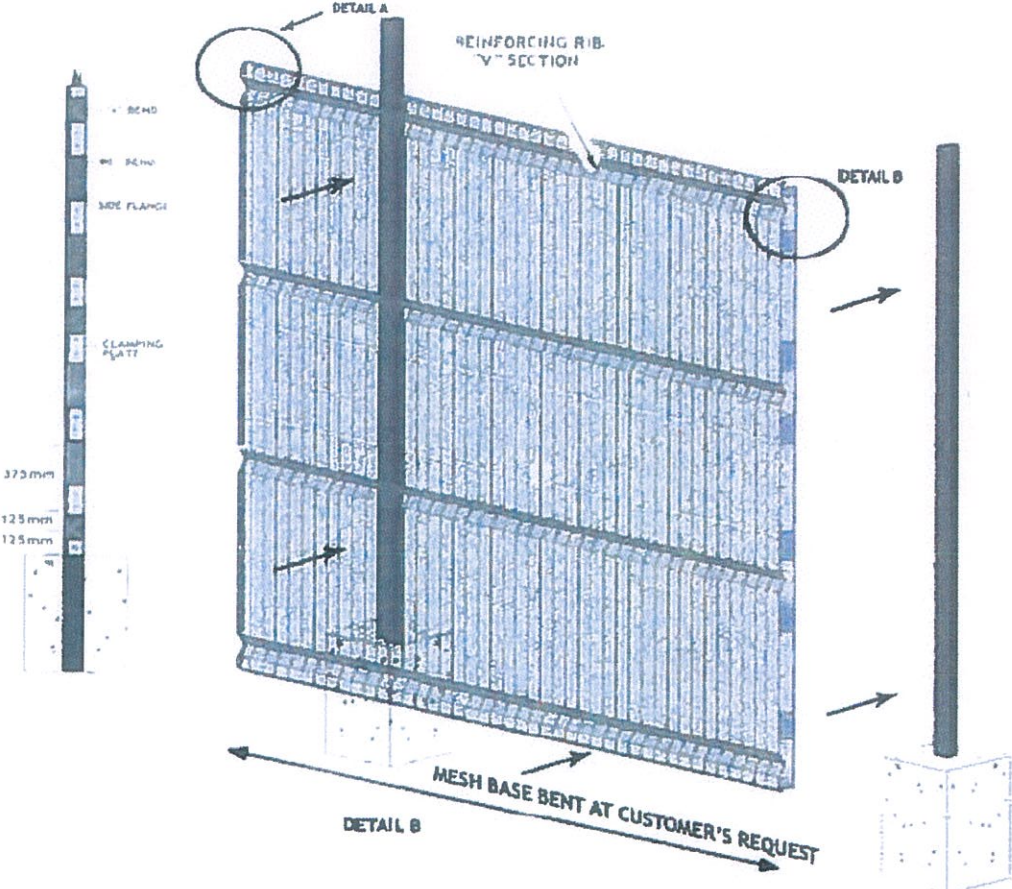
**INTERNAL FIXTURES VANDAL PROOF**



The fence is designed to be a high security barrier. It features a rigid panel with a patented pressed panel technology. The panel is 11 feet wide and has a flush panel post finish. The fence is topped with castle spikes and has an integrated top rail. The fence is designed to be maintenance free and has a real attractive appearance. The fence is also designed to be rapid installation and has internal fixtures that are vandal proof.



Drawin  - Pressed Panel



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**2.2.4** Supply and erect (7 No.) new fully automated gates with same type of fencing which mentioned above and with all motorize and cabling works. The location of the Gates are shown in the drawing

- a) Two motorized gate (11m length x 3m height) located at the entrance of the main road to , Gate No. 1&2. (Type: Cantilever gate)
- b) Two motorized gate (11m length x 3m height) located at Bechtel Office, gate No. 3 & 4 (Type: Rail gate)
- c) One motorized gate (11m length x 3m height) located at Camp, Gate No. 5 (Type: Rail gate)
- d) One motorized gate (8m length x 3m height) located near Gas station , Gate No. 6 and the gate will be on the rail.
- e) One motorized gate (8m length x 3m height) located near Casthouse, No. 6 and the gate will be on rail.

**2.2.5** Supply and erect (5 No.) new standard pedestrian gates with same type of fencing which mentioned above and with all motorize and cabling works. The size of the gates is same (3m high x 1.5m width). The location of the Gates are shown in the drawing No.

