

# Building Designs

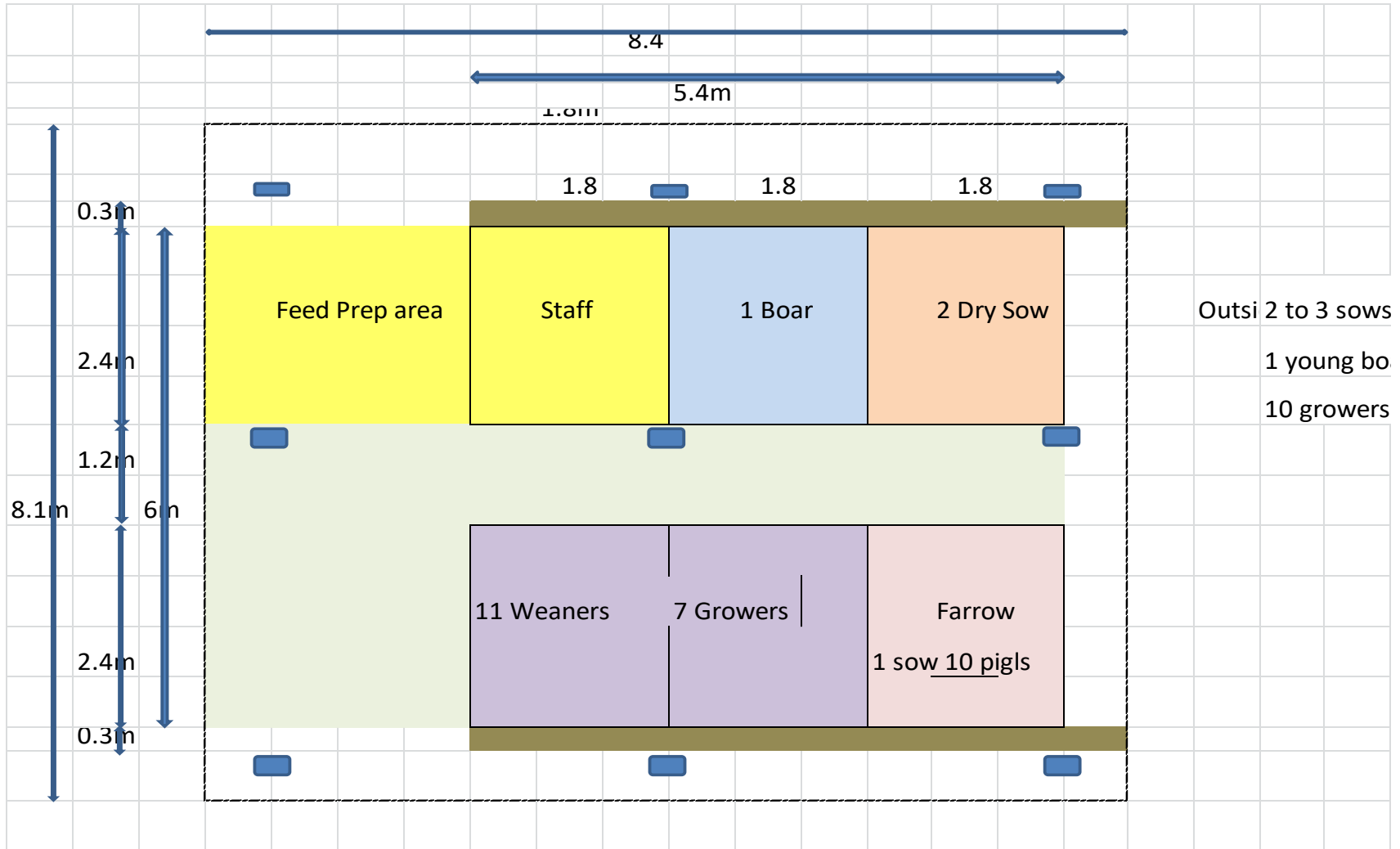
# Site Selection

- **Good ventilation and a cool environment reduce the stress on the pigs minimizing disease and improving growth.**
- **The site selected should preferably be well elevated and open to the prevailing daytime wind to maximize cooling for the pigs**
- **The sheds should be aligned for the sun on an East West axis**
- **Wherever possible the site should be on a slope to allow gravity to move water and effluent through the piggery**
- **The piggery should be located distant from any water course.**
- **Road access important particularly if feed needs to be delivered to the site.**
- **Water is an essential service. Each pig will require up to 25 lts per day for drinking and washing.**

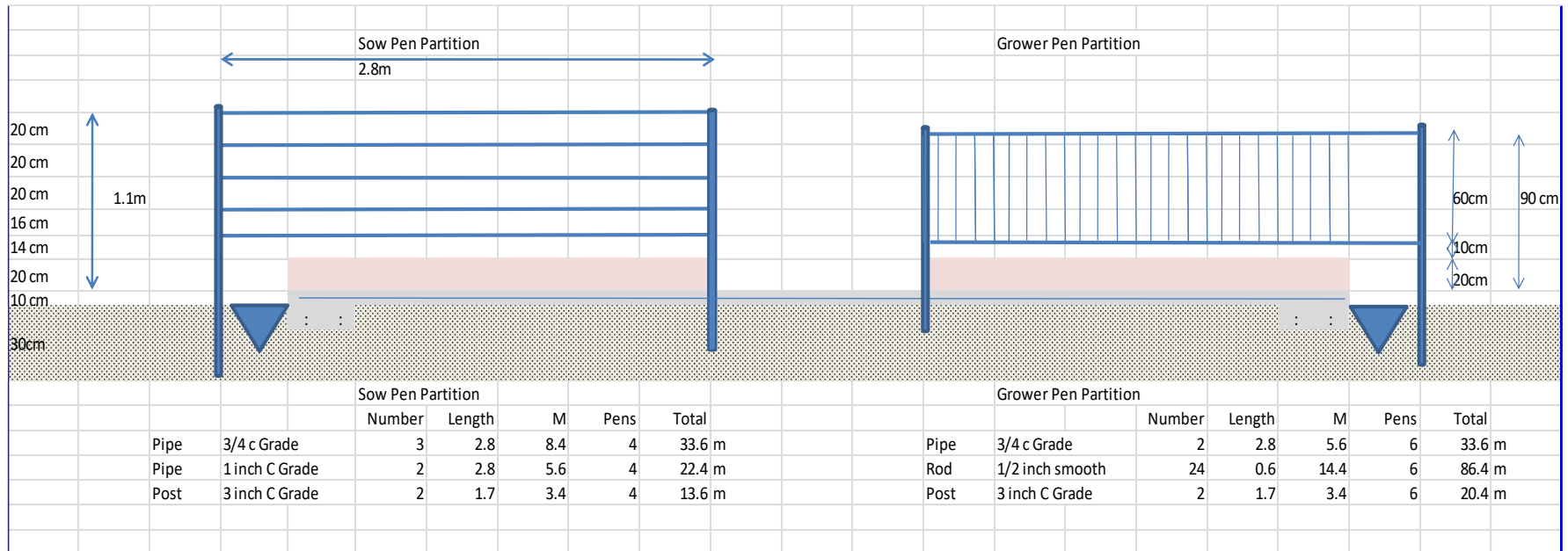
# Space Required for Different Pigs

Pig Numbers and Space requirements	
	Area required per pig type m <sup>2</sup>
<b>Sow and Piglets in Crate *</b>	3.2
<b>Gilts</b>	1.8
<b>Boars</b>	2
<b>Dry Sow</b>	2
<b>Porkers</b>	0.8
<b>Growers</b>	0.6
<b>Weaners</b>	0.4

# Indoor Outdoor Piggery



# Partition Designs



# Pigs Per Pen

Pigs Per Pen					
Pen Type	Width m	Length m	Area Required	Area m <sup>2</sup>	Pigs
Dry Sow	1.8	2.4	2m <sup>2</sup>	4.32	2
Porker	1.8	2.4	0.8m <sup>2</sup>	4.32	5
Grower	1.8	2.4	0.6m <sup>2</sup>	4.32	7
Weaner	1.8	2.4	0.4m <sup>2</sup>	4.32	11

# Posts

- The lean to roof is supported by posts on a basic 3.6m grid or less. Posts should be located outside all pens
- The post suggested is a 4 inch by 4 inch wooden post or three inch “C” grade galvanized piping
- It is suggested that the posts are set in a post hole of at least 60 cm deep and 50 cm wide cut into solid ground rather than fill.
- The post should sit on a thin concrete pad and be encased encased in plastic waste pipe and filled with concrete

# The Slab

- The slab is made of strong reinforced concrete. The depth of the slab should be 100mm and include 665 reinforcing mesh at a height of 50mm.
- The strength should be 25 mpa to stop pigs burrowing through the floor with their strong snouts.
- The slab should be laid to a fall of 1 in 40 from the center of the shed to each outside edge and a fall of 1 in 40 along the length of the shed.
- Where necessary starter bars should be set into the slab to hold the single line of blocks that will form the pens or for feed troughs.



Vinaka