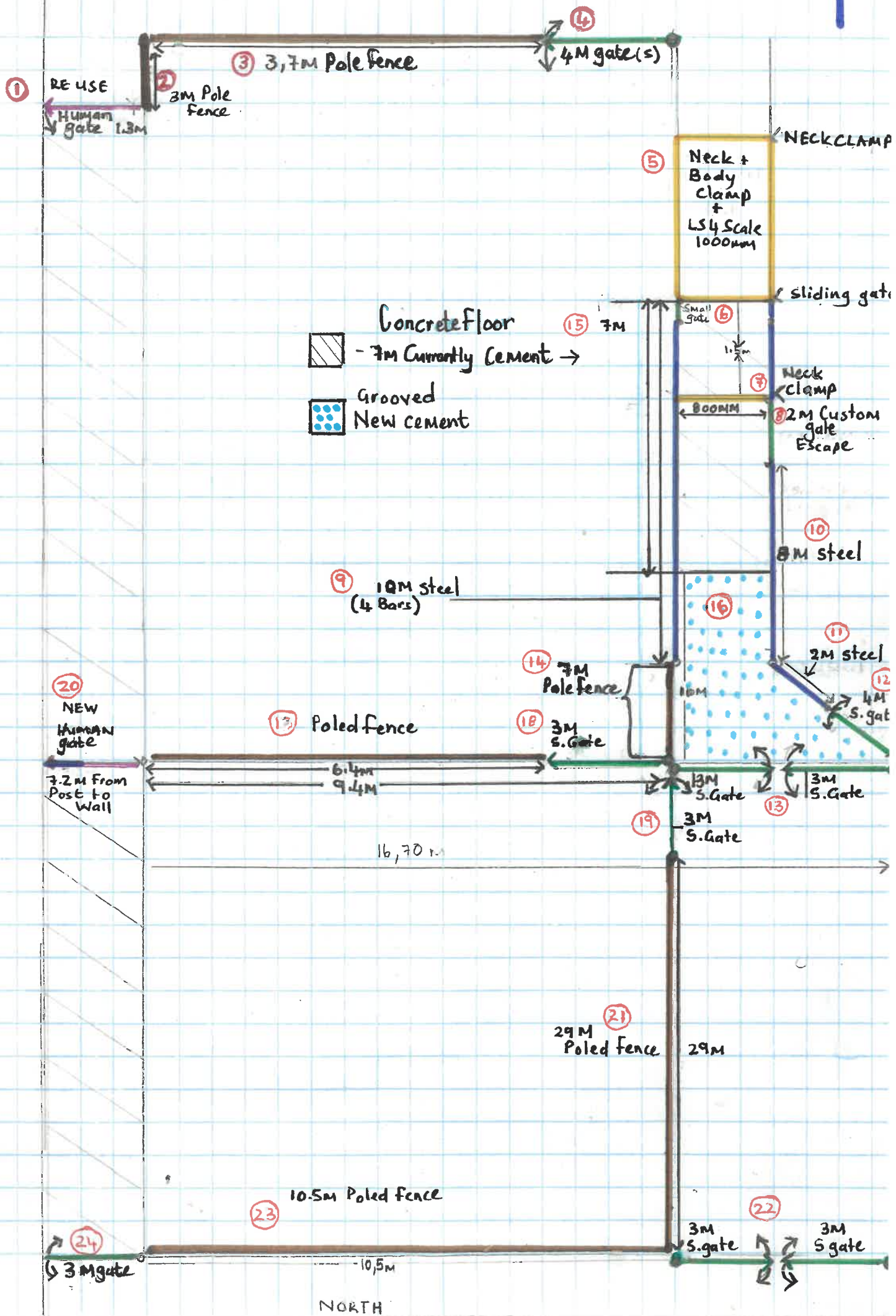


SOUTH

EAST

OFFICE BUILDING



## RESTRUCTURING OF HOLDING PENS AND TREATMENT AREA OF DAIRY CATTLE:

Please see the sketch

1. Re use the current gate – Human gate size 1.3M
2. 3M, 3 Bars Poled fence
3. 3.7M 3bar Poled fence
4. 4M Strengthened Gate
5. Neck and body Clamp with Weighing system
6. 800mm Small gate – re use the current gate
7. Brahman Neck Clamp
8. 2M Customized gate to fit in to the Steel fenced area as an escape gate for animals – cant swing – lift out system.
9. 10M Steel fence – 4 Bars (including 800mm re use gate)
10. 8M Steel Fence – 4 Bars
11. 2M Steel Fence – 4 Bars
12. 4M Strengthened Steel gate
13. 2 x 3M Strengthened Double gates
14. 7M 3 Bar Poled Fence
15. 7M Cemented area
16. Area to do new grooved cement
17. 6.4M 3bar poled fence
18. 3M Strengthened gate
19. 3M Strengthened gate
20. Install similar gate as with Nr1 – Add a steel structure next to the wall to fasten the gate to  
From wall to post 7.2M. Gate 1.3M
21. 29M Poled fence
22. 2 x 3M Strengthened Double gates
23. 10.5M 3 Bar Poled fence
24. 3M Gate – does not need to be strengthened.

**Quote should specify clearly:**

- 1 Wooden pole 3 Bars
- 2 Steel Structures 4 Bars
- 3 Rust resistant paint – on all steel areas.- what paint
- 4 Non strengthened gate
- 5 Strengthened gates
- 6 Human gate
- 7 Customized gate - Escape
- 8 Neck Clamp – specify
- 9 Neck and Body Clamp – Specify
- 10 Scale – Specify
- 11 Cement Area

**WOODEN STRUCTURES**

**UPRIGHTS:**

**ALL POLES USED WILL BE SABS graded and CCA treated H5 poles.**

**All upright poles will be: 2M long and 140 -159mm in diameter.**

**An upright will be planted 2M apart from one another – one upright every 2 Meters.**

**40cm deep – 1.6M above the ground and 40cm in the ground.**

**Into a cement mix of 30cm x 30cm AND as per method below to ensure durability.**

HAZARD CLASS SYMBOL H5

END USE APPLICATION  
In Fresh Water /Wet Soils

TYPICAL EXAMPLES

Piling/foundation posts/poles  
Agricultural & feedlot posts/poles  
Retaining Walls  
Slipways  
Culverts  
Groynes  
Flood Gates  
Jetties  
Drains  
Walkways

**SABS PINE TAPERED POLES**

	Class 2	Class 3	Class 4	Class 5	Class 6	Class 7	Class 8
1.5m	50-79mm	80-99mm	100-119mm	120-139mm	140-159mm	160-179mm	180-199mm
1.8m							
2.1m							
2.4m							
2.7m							
3.0m							
3.6m							
4.2m							
4.8m							
5.4m							
6.0m							

Our poles are **SABS APPROVED** and are manufactured to SABS 457 specification and are CCA Treated to SABS CCA H4 specification.

Note: Some sizes are only available on order.

SABS 457 specification states that tapered poles are classed (measured) on the THIN end of the pole only. Eg. A 80-99mm pole will measure between 80mm and 99mm on the THIN end. The thick end is not measured and may be thicker due to natural taper of timber poles which varies.

**CORRECT METHOD OF PLANTING POLES**

- ✓ If a treated pole or post is planted in the ground it is essential that you allow for drainage of rainwater.
- ✓ Do not enclose the planted end of the post in the concrete.
- ✓ If you need to use concrete then let the concrete form a collar around the post with the end protruding through the concrete.
- ✓ If you plant the post on concrete at the bottom of the hole, let the concrete set before planting the post.

- Again, use a pole made from very durable and CCA-treated wood. They must be suitable for “ground contact”.
- Dig a wide hole. For a standard fence pole, the hole should be about 30cm wide and the depth should allow for about 1/3 of the post to be below the soil. Don’t forget to add extra space below to accommodate the base. You can use a post hole digger or post driver to help create the hole.
- Add about 10-15 cm of gravel to the base of the hole to increase the drainage ability.
- Position the post in the hole and drop two stakes into the soil next to the pole. Nail or screw two pieces of wood between the stakes and the pole. This is just a temporary measure to keep the pole in place until the concrete has set.
- Repeat this process for all poles that require a concrete base.
- Add an additional layer of gravel around the base of the pole.
- Mix your concrete mixture.
- Fill the rest of the holes around your poles with concrete, up to the soil level.
- Trowel the concrete into a sloped shape so that it slopes downwards from the pole. This aids drainage by allowing the water to run off from the pole.
- Allow at least three days for the concrete to set before you continue building the fence or putting any weight on the pole.
- Seal the gap between the pole and concrete with a sealant that bonds to concrete and wood.

Tip: Do not enclose the base of the pole completely in concrete as this will cause water to collect there and the pole to rot.

- 10.5m (23)
- 29m (21)
- 6.4m (13)
- 7M (14)
- 3M (2)
- 3.7M (3)



## HORIZONTALS:



SABS graded and CCA treated H5 poles will be used

All horizontal poles will be: **2M long and 120 -139mm in diameter**

3 Horizontal poles will be mounted to the upright with 10mm threaded bar.

Poles will be evenly spaced exactly as the current wooden structure



7

**FASTNING OF POLES :**

The 10mm Galvanized Threaded bar will have a washer and bolt on both ends of the pole.

No protruding rod should be seen – it should be cut flush or it will cause injuries to animals.



## **FARM GATES:**

Sizes of gates as indicated in the sketch.

Every gate should be attached to square tubing as indicated under “Strengthened gates” – Specify size of square tube and how deep it will be planted .

It should be able to carry the load of the gate.

Only ONE gate – at the entrance by the offices on the NORTHERN SIDE does not need added support. (24)

Every gate should be able to swing without touching the floor/ground at all.

Below is a photo of the gates .



**STRENGTHENED GATES: Square tubing – 3M Filled with cement and capped**





### “DOUBLE GATES” (13) and (22)

Where indicated two gates should be placed next to each and swing outwards to allow animals to pass through a wider area.

Below is an example of such a structure – But ALL gates should **be strengthened as indicated above**.



As per sketch:

7 x Strengthened gates

2 x Double gates (they should be strengthened and are included in the 7 above)

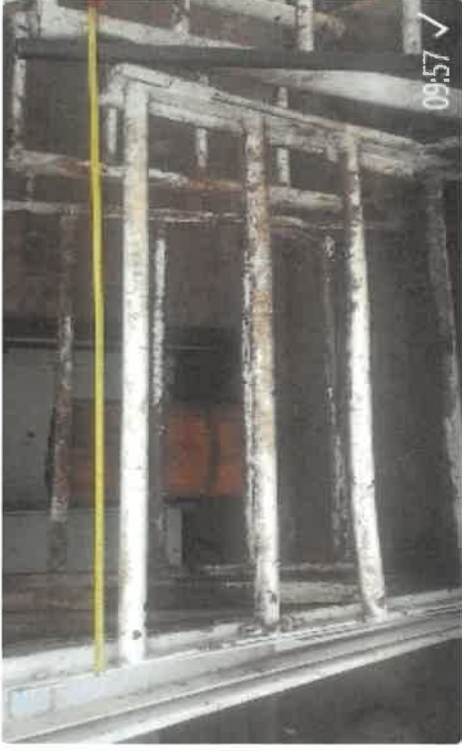
1 x Non strengthened gate at the entrance by the office where we met. (24)

2 x Human gates, non-strengthened – one new, one re use but newly painted. (1) (20)

1 x customized gate in the crush as an escape gate 2M S (8)

Should be custom made to fit in with the crush on the same lines.

This is an example from Bull test. To the left is the neck clamp – to the right is the crush passage



This gate should be 2.0M

This gate will not be able to swing open, as the roof structure will prevent this.

We would need a sliding lock on the one side, on the other side we would need to be able to disconnect the gate from the Steel crush fence.

So that we may remove the gate if a cow goes down, and we need to open for her to be able to come out of the crush.

### **1 x Small gate in the crush between neck clamp and Body and Neck clamp. (6)**


The lady is standing in the entrance of this gate.

Our gate can be re used – should be welded? Onto the steel upright that will replace the wooden pole it is currently attached to.

800MM



The current Tilting table/body clamp should be removed and replaced with the TALTEC product seen below. (5)



SKU Code: 12130

### Neck and Body Clamp - Sliding Gate

1

[Add to Quote](#)

[View product details](#)

Sliding gate at the back and Neck Clamp at the back

This crate should be fitted with a scale LS4 1000mm loadbar scale

The fitting of the Neck and body clamp, with the loadbar scale should be done as per specification of TALTEC

The Neck and body clamp will be fitted to a crush that is 800mm wide

Then The small gate (that is currently used in our crush)

Then a space of 1.3M

Then a neck clamp will be fitted to the crush that is 800mm wide.





**ZERO**  
CLEAR

ZERO SCALE OR  
CLEAR STATS  
MEMORY

**LIVE**

CANCELS THE HOLD  
FUNCTION AND  
SHOWS THE CURRENT  
WEIGHT OF CATTLE  
ON THE SCALE

**HOLD**

HOLDS THE CURRENT  
WEIGHT ON THE  
SCREEN SO YOU HAVE  
TIME TO WRITE IT  
DOWN

**ENTER**  
RECORD

PRESS ENTER TO  
SAVE THE WEIGHT ON  
THE SCREEN TO THE  
STATS

**STATS**

SHOWS STATS:  
"COUNT" - NUMBER OF REC.  
"TOTAL" - GROUP MASS  
"AVERAGE" - AVERAGE MASS  
"HI" - HIGHEST MASS  
"LO" - LOWEST MASS

**FINE**  
MODE

FINE MODE ALLOWS  
YOU TO WEIGH IN  
0.1KG UP TO 200KG  
AND IN 1KG UP TO  
2000KG

**SETUP**

ACCESS THE INFO OF  
THE INSTRUMENT  
BATTERY VOLTAGE  
CHARGING VOLTAGE

**FEATURES**

- CAN BE FITTED TO ANY CRATE OR PLATFORM
- RECHARGEABLE 6VOLT BATTERY INCLUDED
- COMES WITH A 12VOLT & 230AC CHARGER
- DAMPER FUNCTION FOR JUMPING ANIMALS



**02712 200 2135**

**sales@taltec.co.nz**

**www.taltec.co.nz**

**7 Heron Road, Teitoti, NZ**



## LS4 ELECTRONIC SCALE 1 000MM

Electronic cattle scale that weighs 0 - 2000kg. Loadbars get bolted onto a clamp or crate. The scale has a rechargeable battery that can last up to 8 ...



[VIEW DETAILS](#)

[ADD TO QUOTE](#)

## Neck clamp (7)



### NECK CLAMP - BRAHMA

The neck clamp gets bolted onto your existing crush which is 700mm wide. You can adjust the doors according to the size of your cattle into the neck clamp.

[VIEW DETAILS](#)[ADD TO QUOTE](#)

The neck clamp should be welded into position as well as bolted to the floor and or sides – an animal weighing 700kg should not be able to run it out of position.

### Steel fenced area by the crush:

### Eastern side of the crush passage:

5 Body and neck clamp weighing cage

6 800mm gate

10. 10M – small gate (800mm) steel Fence



Western side of the crush passage:

5. Body and neck clamp weighing cage

1.5M – one cow body length before the neck clamp

7. Neck Clamp

8. Customised gate 2M – escape gate

10. 8M Steel fence

11. 2M Steel fence

12. 4M Gate

**Down pipe every 2M**

Galvanized Pipe 85mm inside diameter – 90mm outside diameter – filled with cement and capped.

Planted in cement 600mm deep – adding concrete into a sloped shape, so that it slopes downwards from the pole, allowing water to run off from the pipe – as indicated below.

1.6 M High. (above ground)



**Horizontal – 4 lines (only by the crush area)**

54mm Galvanized (outside diameter)

40mm inside diameter

1<sup>st</sup> line – 300mm bottom line measured from the floor.

2<sup>nd</sup> line 400mm further

3<sup>rd</sup> line 400mm further

4<sup>th</sup> line – top bar 500mm further

**Concrete crush area: Should have grooves to handle animal movement without slipping. (16)**

150mm deep

40MPA

Correct measures should be taken to ensure no cracking between current cement area and new cement area.

There should be a slope – no steps – for the animals to be able to step onto cement area with ease.