



Agricultural Research Council –Vegetable and Vegetable and Ornamental Plants
(VIMP) R573 KwaMhlanga/Moloto Road, Roodeplaat, Pretoria

QC facility upgrade specifications

Building A6 room 15

- 1 x air conditioner (18 000 BTU, (Inverter) Brand should be locally manufactured),
- 4 x blinds for windows (window dimensions: 1.42m x 1.84m)
- Paint the walls: light grey paint (paint quality to be equivalent to Dulux/Plascon) (wall dimensions: 5.69m x 4.55 m x 2.82m)
- Add wall sockets
- Connect plumbing and power to lab benches.
- Connect gas lines.
- Redo vinyl floor – Light grey colour

Building A6 room 16:

- Paint the walls: light grey paint (paint quality to be equivalent to Dulux/Plascon) (wall dimensions: 5.92m x 5.11m x 2.82m)

Power requirements

To bench 1

- Supply and install normal sockets (6 in number) connected to building DB box

To bench 2 and bench 3

- Supply and install Dehn gap & Dehn guard for surge protection before UPS system, for added protection.
- Supply and install UPS type sockets (x 8) normal sockets x 2 behind bench wall

To bench 4

- Supply Install Dehn gap & Dehn guard for surge protection before UPS system, for added protection.
- Supply and install UPS type sockets (x 8) normal sockets x 2 behind bench wall

Gas requirements

Supply and Installation of gas lines in A6, room 15

- 2 x Argon Gas lines (to benches 2 and 3)
 - With a 2 stage-gas regulator with an adaptor to connect to a 1/8 inch Swagelok type fitting.
 - Lines must be medical grade stainless steel with no soldering or brazed joints.
- 1 x Helium Gas line (to bench 4)
 - With a 2 stage-gas regulator with an adaptor to connect to a 1/8 inch Swagelok type fitting.
 - Lines must be medical grade stainless steel with no soldering or brazed joints.
- Ensure compliance with relevant safety standards and regulations for laboratory furniture and equipment.