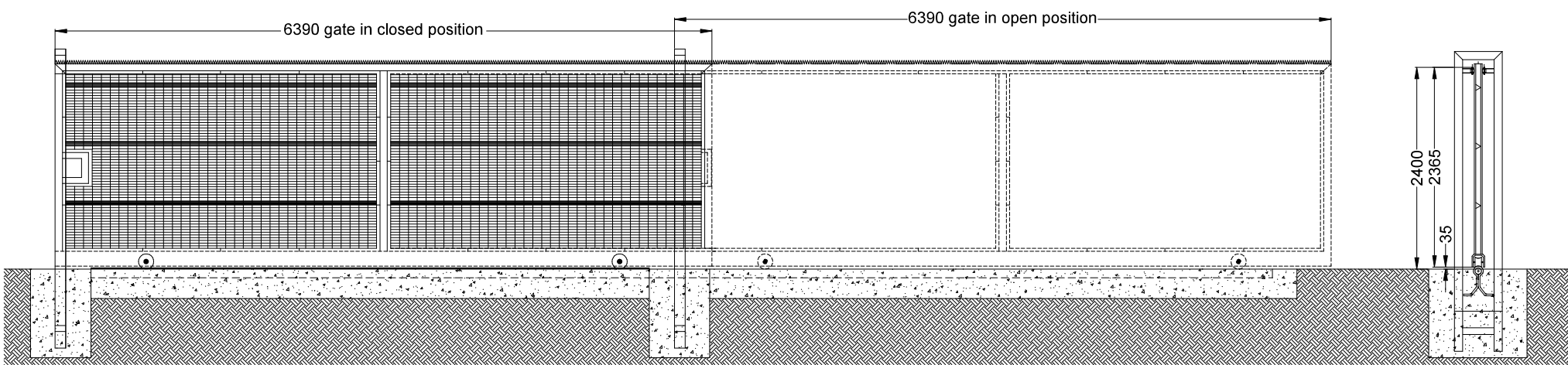


PLAN LAYOUT



TYPICAL ELEVATION VIEWED FROM OUTSIDE

SECTION

SPECIFICATIONS

Gate:
(1) Gate top, side framing & centre post: SHS 60 x 60 x 3mm.
(2) Gate bottom carrier beam: RHS 150 x 100 x 3mm.
(3) Mesh: Betaview Ref 3510 3D.
(4) Mesh framing: Flat 30 x 4 welded to the gate framework.
(5) Mesh clamping: Flat 30 x 4 screw fixed to mesh framing flats.
(6) Bottom rollers: 2 by 150 dia set and housed into gate carrier beam.

Gate Portals:
(1) The gate system shall be provided with two gate portals made from RHS 80 x 60 x 3mm welded construction.
(2) One guide.support portal at the traveling end of the gate and one latching portal at the docking end of the gate.
(3) Each gate portal shall be equipped with a pair of 75mm dia nylon guide rollers.
(4) The gate portals shall be cast in mass concrete bases 25Mpa/19 stone - Footing size to Engineer's detail.

Gate Track:
(1) Flat 100 x 10 cost on edge in 300 x 300mm deep concrete ground beam such that 85mm of the track depth is embedded and 15mm exposed - for gate wheel travel.
(2) The gate track shall have, stagger spaced and welded at 500mm centres, 10mm dia lugs for anchoring in concrete.

Mesh Panels:
(1) Mesh panels shall be ref. 3510 3D, fabricated from high tensile steel with a weld strength of 60% and a tensile strenth of 500N/mm2.
(2) Horizontal and vertical wires shall have a core diameter of 3.000mm with a tolerance of +/- 0.07mm.
(3) Apertures shall be 76.2mm (W) c 12.7mm (H) c/c of wires.
(4) Panels are laterally strenthened by incorporation of 43mm deep, V- profiled horizontal stiffener bends.
(5) Panel finish size tolerances: width +/-2.0mm and height +/-6mm.
(6) Mesh panels are manufactured with Zincalu (Galfan).

Fixing:
(1) Mesh shall be clamp fixed to gate frame using flat 30 x 4 bolted to mountign flat with M8 cup - square bolts, shear-off nuts and flat washers.
(2) Fixing Screws and fasteners shall be Grade 304 Stainless Steel.

Anti Climb Over Prevention:
(1) The gate top framing shall have a continuous serrated spike welded to its top surface.

Corrosion Protection:
(1) Mesh Panels: Zincalu
(2) Posts/Structure:HD Galvanised.
(3) Fixing Flats: HD Galvanised.

Additional Finish:
(1) Mesh Panels, Posts & Structure may be uniformly PVC coated, which is free of lead, cadmium and DOP, to a minimum thickness of 200 microns in accordance to EN10245-2 Steel wire and wire products - Organic coating on steel wire - Part 2: PVC finished wire.
(2) Finish Colour may be RAL 6005 Green or 7021 Anthracite.

No.	All the dimensions are in mm	S KONDLO (CHIEF ENGINEER) -- / -- / 2026 DATE APPROVED	PROVINCE OF THE EASTERN CAPE DEPARTMENT OF AGRICULTURE ENGINEERING SERVICES PRIVATE BAG X15 DOHNE 4930	GATE FOR BOUNDARY FENCE AND QUARANTINE STATION	DRAWING SCALE NTS	INDEX No. SCMU8 - 26/27 - 0101
1					A3 ORIGINAL	DRAWING No. 02
2						
3						
4						
5						