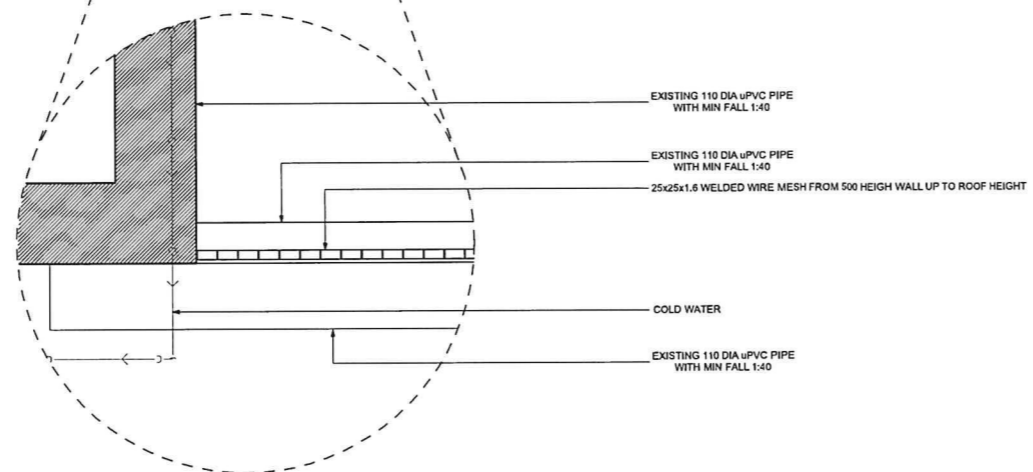


GROUND FLOOR (BROILER)

1:50



ELECTRICAL LEGEND	
	DB DISTRIBUTION BOARD
	OVERHEAD MOUNTED FILAMENT LIGHT
	1500mm FLUORESCENT LIGHT
	ONE-WAY LIGHT SWITCH
	DOUBLE GANG WALL OUTLET

- GENERAL NOTES**
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APPROVALS	
CLIENT	DATE
ARCHITECT: P.S. CRONJE, PROF ARCH: SACAP REG. NO. 6209	DATE
ENGINEER: F.B. HENDRICKS, REG. NO. 86099M	DATE

PROJECT UNITS
METRIC SYSTEM - MILLIMETERS

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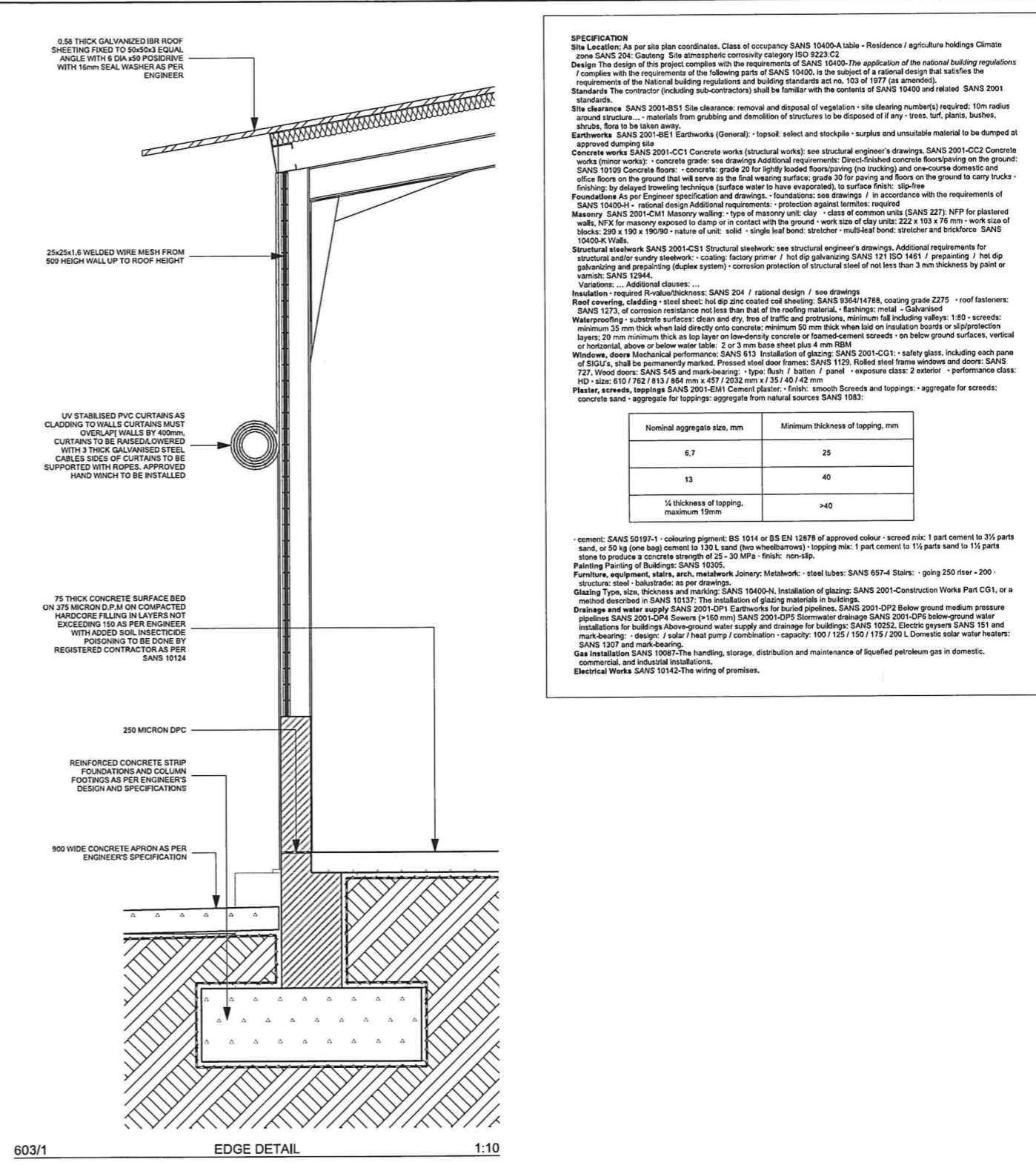
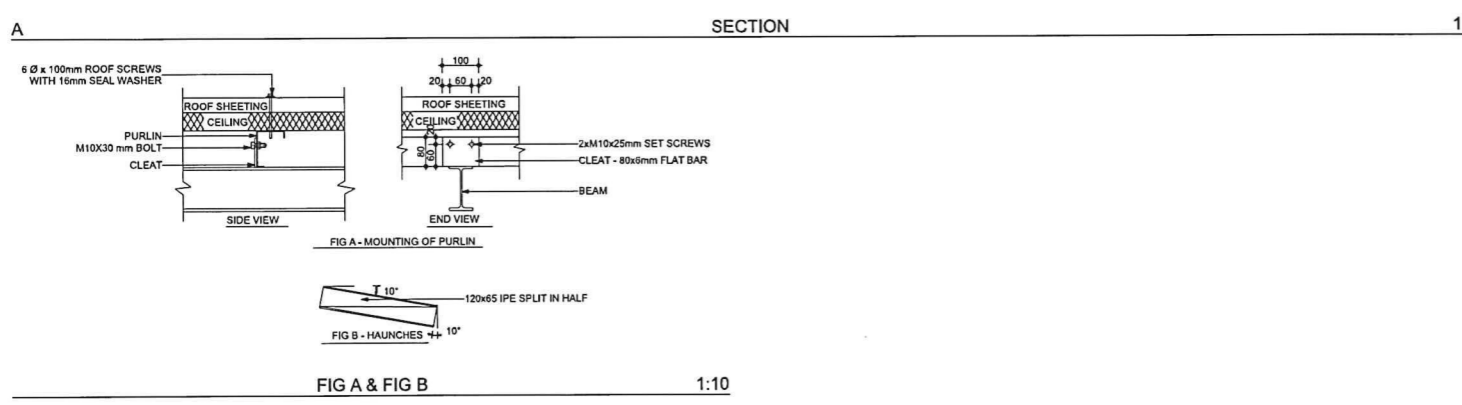
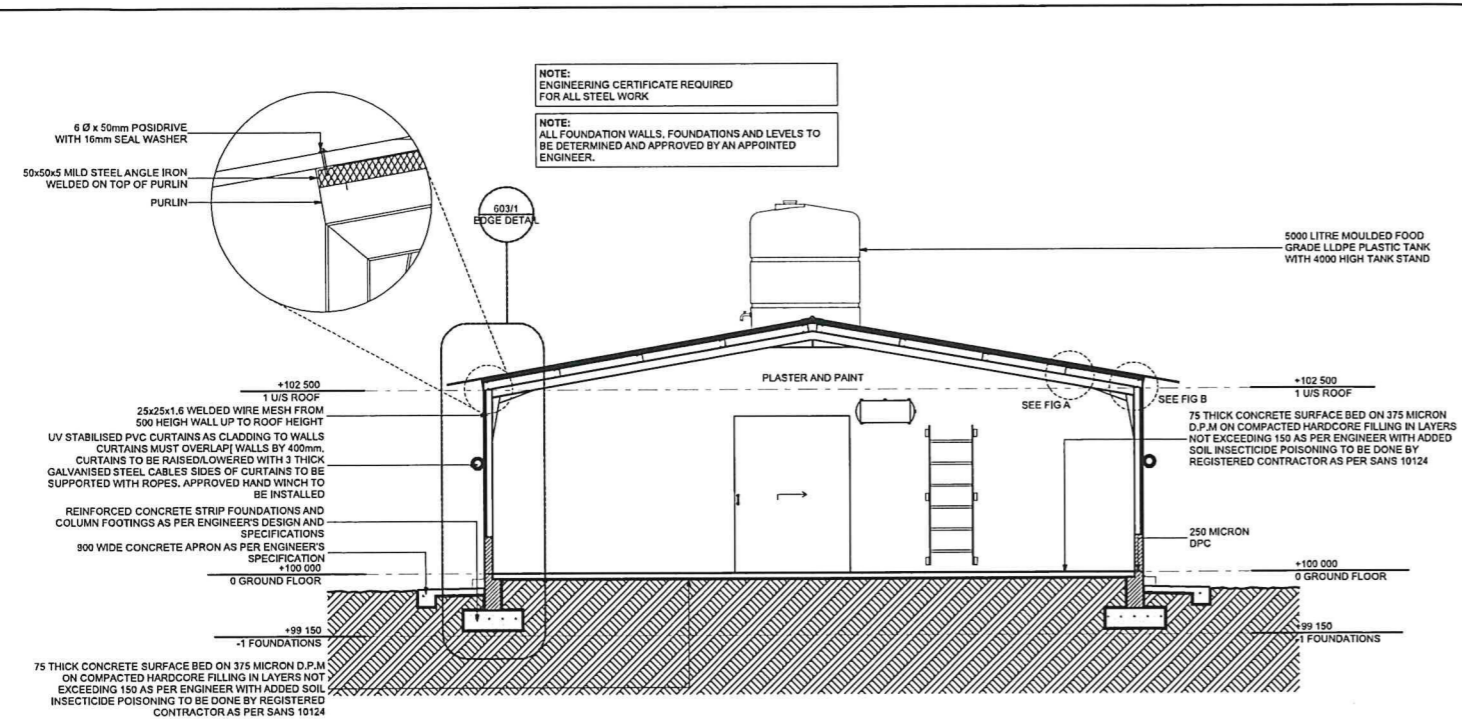
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235 DELPHINUS STREET, WATERKLOOF RIDGE, PRETORIA, 0181

PROJECT
PTN 11 HAAKDOORNLAAGTE
277 - JR

DRAWINGS
GROUND FLOOR PLAN
(BROILER)

STATUS OF DRAWING			
COUNCIL SUBMISSION			
DESIGN	DRAWN	PROJECT NUMBER	
UA	UA	GAU/PTFD/11-17/A	
CHECKED	APPROVED	SCALE	DATE
UA	UA	SHOWN	2019/04/11
INTERNAL/OFFICE DRAWING NUMBER		REVISION	
GAU/PTF/11-17/A/100			
PROJECT SPECIFIC DRAWING NUMBER		REVISION	
GAU/PTF/11-17/A/100			



SPECIFICATION
 Site Location: As per site plan coordinates. Class of occupancy SANS 10400-A table - Residence / agriculture holdings Climate zone SANS 204: Gauteng. Site atmospheric corrosivity category ISO 9223 C2
 Design The design of this project complies with the requirements of SANS 10400-The application of the national building regulations / complies with the requirements of the following parts of SANS 10400, is the subject of a rational design that satisfies the requirements of the National building regulations and building standards act no. 103 of 1977 (as amended).
 Standards The contractor (including sub-contractors) shall be familiar with the contents of SANS 10400 and related SANS 2001 standards.
 Site clearance SANS 2001-B51 Site clearance: removal and disposal of vegetation - site clearing number(s) required: 10m radius around structure. - materials from grubbing and demolition of structures to be disposed of if any - trees, turf, plants, bushes, shrubs, flora to be taken away.
 Earthworks SANS 2001-BE1 Earthworks (General): - topsoil: select and stockpile - surplus and unsuitable material to be dumped at approved dumping site.
 Concrete works SANS 2001-CC1 Concrete works (structural works): see structural engineer's drawings. SANS 2001-CC2 Concrete works (minor works): - concrete grade: see drawings Additional requirements: Direct-finished concrete floorpaving on the ground: SANS 10109 Concrete floors: - concrete: grade 20 for lightly loaded floorpaving (no trucking) and one-course domestic and office floors on the ground that will serve as the final wearing surface; grade 30 for paving and floors on the ground to carry trucks - finishing: by delayed troweling technique (surface water to have evaporated), to surface finish: slip-free
 Foundations As per Engineer specification and drawings. - foundations: see drawings / in accordance with the requirements of SANS 10400-H - rational design Additional requirements: - protection against termite: required
 Masonry SANS 2001-CM1 Masonry walling: - type of masonry unit: clay - class of common units (SANS 227): NFP for plastered walls, NFX for masonry exposed to damp or in contact with the ground - work size of clay units: 222 x 103 x 76 mm - work size of blocks: 230 x 193 x 190/90 - nature of unit: solid - single leaf bond: stretcher - multi-leaf bond: stretcher and brickface SANS 10400-K Walls.
 Structural steelwork SANS 2001-CS1 Structural steelwork: see structural engineer's drawings. Additional requirements for structural and/or sundry steelwork: - coating: factory primer / hot dip galvanizing SANS 121 ISO 1461 / pre-painting / hot dip galvanizing and pre-painting (duplex system) - corrosion protection of structural steel of not less than 3 mm thickness by paint or varnish: SANS 12944.
 Variations: ... Additional clauses: ...
 Insulation - required R-value/thickness: SANS 204 / rational design / see drawings
 Roof covering, cladding - steel sheet: hot dip zinc coated coil sheeting: SANS 9364/14788, coating grade Z275 - roof fasteners: SANS 1273, of corrosion resistance not less than that of the roofing material, - flashings: metal - Galvalised
 Waterproofing - substrate surfaces: clean and dry, free of traffic and protrusions, minimum fall including valleys: 1:80 - screeds: minimum 35 mm thick when laid directly onto concrete; minimum 50 mm thick when laid on insulation boards or slip/protection layers; 20 mm minimum thick as top layer on low-density concrete or foamed-cement screeds - on below ground surfaces, vertical or horizontal, above or below water table: 2 or 3 mm base sheet plus 4 mm FBM
 Windows, doors Mechanical performance: SANS 613 Installation of glazing: SANS 2001-CG1: - safety glass, including each pane of SIGU's, shall be permanently marked. Pressed steel door frames: SANS 1129. Rolled steel frame windows and doors: SANS 727. Wood doors: SANS 545 and mark-bearing: - type: flush / battin / panel - exposure class: 2 exterior - performance class: HD - size: 610 / 762 / 813 / 864 mm x 457 / 2032 mm x 35 / 40 / 42 mm
 Plaster, screeds, toppings SANS 2001-EM1 Cement plaster: - finish: smooth screeds and toppings - aggregate for screeds: concrete sand - aggregate for toppings: aggregate from natural sources SANS 1083:

Nominal aggregate size, mm	Minimum thickness of topping, mm
6,7	25
13	40
¼ thickness of topping, maximum 19mm	>40

 cement: SANS 50197-1 - colouring pigment: BS 1014 or BS EN 12676 of approved colour - screed mix: 1 part cement to 3½ parts sand, or 50 kg (one bag) cement to 130 L sand (two wheelbarrows) - topping mix: 1 part cement to 1½ parts sand to 1½ parts stone to produce a concrete strength of 25 - 30 MPa - finish: non-slip.
 Painting/Painting of Buildings: SANS 10305.
 Furniture, equipment, stairs, arch, metalwork Joinery: Metalwork: - steel tubes: SANS 657-4 Stairs: - going 250 riser - 200 - structure: steel - balustrade: as per drawings.
 Glazing Type, size, thickness and marking: SANS 10400-N. Installation of glazing: SANS 2001-Construction Works Part CG1, or a method described in SANS 10137: The installation of glazing materials in buildings.
 Drainage and water supply SANS 2001-DP1 Earthworks for buried pipelines. SANS 2001-DP2 Below ground medium pressure pipelines SANS 2001-DP4 Sewers (>160 mm) SANS 2001-DP5 Stormwater drainage SANS 2001-DP6 Below-ground water installations for buildings Above-ground water supply and drainage for buildings: SANS 10252. Electric geyser SANS 151 and mark-bearing: - design: / solar / heat pump / combination - capacity: 100 / 125 / 150 / 175 / 200 L Domestic solar water heaters: SANS 1307 and mark-bearing.
 Gas installation SANS 10067-The handling, storage, distribution and maintenance of liquefied petroleum gas in domestic, commercial, and industrial installations.
 Electrical Works SANS 10142-The wiring of premises.

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APPROVALS	
CLIENT	DATE
ARCHITECT: P.S. CRONJE, PROF ARCH SACAP REG. NO. 6209	DATE
ENGINEER: F.J. HENDONIS, REG. NO. 90394	DATE

PROJECT UNITS
 METRIC SYSTEM - MILLIMETERS

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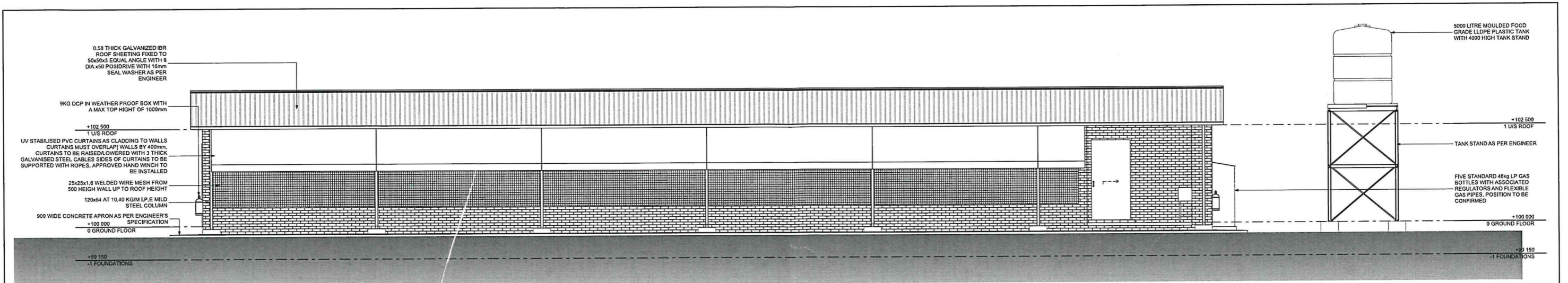


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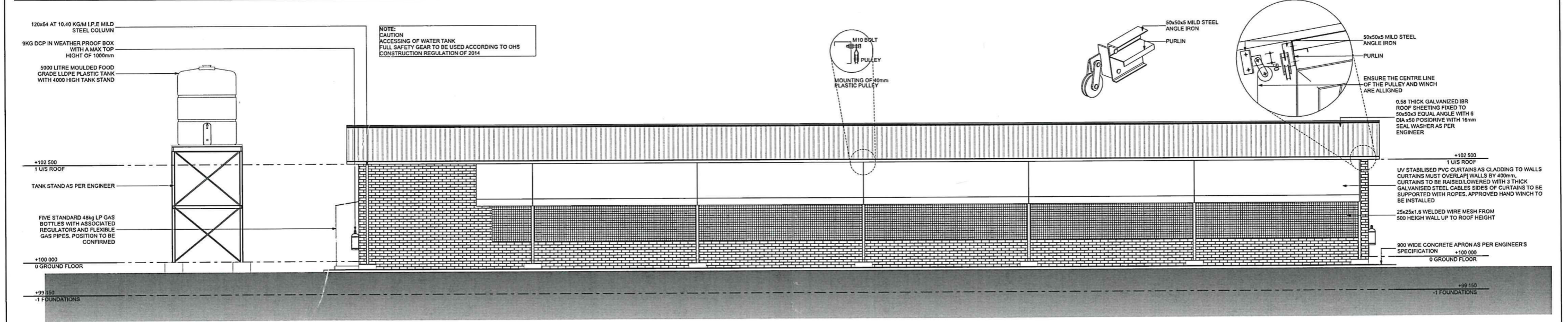
PROJECT
 PTN 11 HAAKDOORNLAAGTE
 277 - JR

DRAWINGS
 SECTIONS (BROILER)

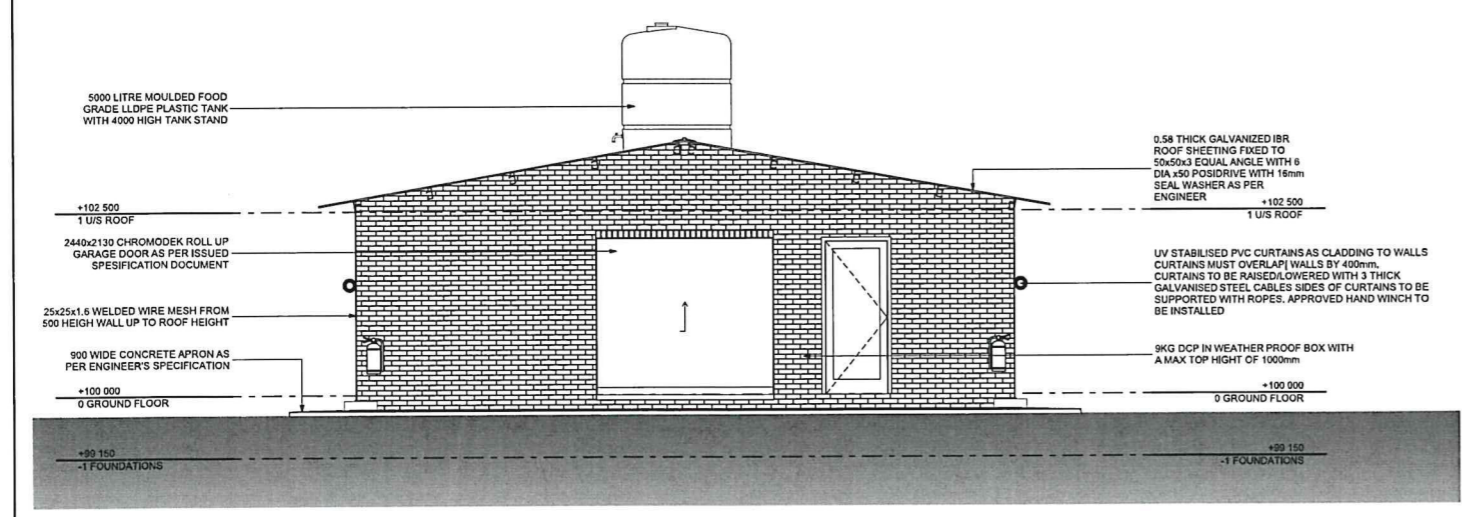
STATUS OF DRAWING			
COUNCIL SUBMISSION			
DESIGN	DRAWN	PROJECT NUMBER	
UA	UA	GAU/PTFD/11-17/A/J	
CHECKED	APPROVED	SCALE	DATE
UA	UA	SHOWN	2019/04/03
INTERNAL/OFFICE DRAWING NUMBER		REVISION	
GAU/PTF/11-17/A/200			
PROJECT SPECIFIC DRAWING NUMBER		REVISION	
GAU/PTF/11-17/A/200			



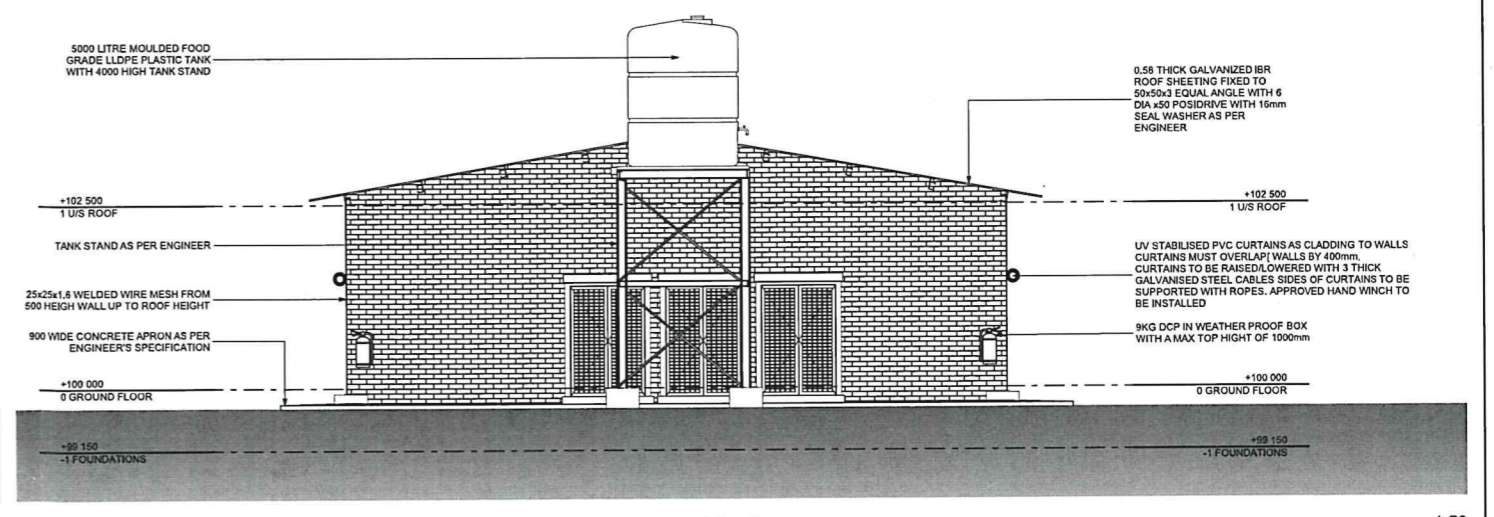
NORTH Elevation 1:50



SOUTH Elevation 1:50



EAST Elevation 1:50



WEST Elevation 1:50

GENERAL NOTES

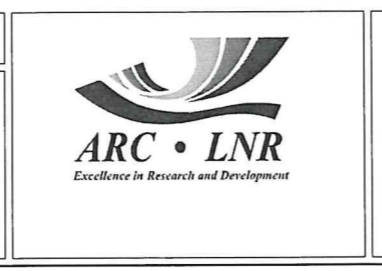
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APPROVALS

CLIENT	DATE
ARCHITECT: P.S. CRONJE, PROF ARCH SACAP REG. NO. 6209	DATE
ENGINEER: F.B. KENDRICKS, REG. NO. 96054	DATE

PROJECT UNITS
METRIC SYSTEM - MILLIMETERS

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PROJECT
PTN 11 HAAKDOORNLAAGTE
277 - JR

DRAWINGS
ELEVATIONS (BROILER)

STATUS OF DRAWING
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GAU/PTF/11-17/A/300		
PROJECT SPECIFIC DRAWING NUMBER	REVISION	
GAU/PTF/11-17/A/300		

