IKHALA TVET COLLEGE
STERKSPRUIT BUSINESS CENTRE

FINISHES LEGEND

FLOORS:

F1: HEAVY DUTY BLACK COIN RUBBER ROLL
20m long X 1,5m width Heavy-duty recycled rolled rubber flooring with a thickness of 15mm, 20mm –25mm thick, designed for workshop and industrial applications, to offer high impact resistance, superior shock absorption, and slip resistance for enhanced safety and durability. Installed using the glue-down installation method to ensure a secure, seamless surface, reducing movement under heavy loads and high-traffic conditions. The flooring should be resistant to abrasions, oils, and chemicals, providing long-term performance in demanding environments while also reducing noise and vibration.

F2: GRANOLITH FINISH
22 mm thick untinted Granolithic finish composed of one part cement, one part fine sand, two parts coarse sand and one part granite that would pass through a 5mm mesh sieve; laid by specialist in panels not exceeding 10 sq.m. divided with approved brass dividing strips. All to be manufactured and installed in strict compliance to the latest SABS approved standards. Colour, pattern and aggregate size to match existing.

SKIRTING:

S1: MERANTI SKIRTING
19mm x 76mm selected Meranti skirting slightly rounded on top leading edge and ploughed on rear face, steel nailed to walls at 600mm centres. The skirting is to have splayed header joints and mitred angles, complete with 19mm quarter round. Stop, sand down and prepare Meranti wood surfaces. Apply three (3) coats high gloss clear varnish to interior Meranti wood surfaces. All to manufacturer's specifications and recommendations.
Note: All linear jointing to skirting to be vertically right angled butt jointed. ALL PAINTING AND FLOOR FINISH TO BE COMPLETE PRIOR TO SKIRTING FIXING. FLOOR FINISH TO BE MASKED DURING FINAL COAT OF SKIRTING VARNISH. All to manufacturer's specifications and recommendations.

S2: COVED EPOXY SCREED
6mm thick x 100mm high chemical resistant epoxy mortar screed, laid on prepared and primed wood float cement plaster and sealed (with 1 coat of approved slip sealer) in strict accordance to manufacturer's specifications. 15mm coved junction created at joint with floor epoxy finish.

INTERIOR WALL FINISHES:

R1: EMULSION (PVA) PAINT – FULL HEIGHT
2 no. coats of double velvet PVA matt finish emulsion paint to SABS 1586 applied on plastered surface primed and with 1 no. coat undercoat to SABS 681 grade1, in accordance to manufacturer's instructions.

CEILING & CORNICE:

C1: SKIMMED GYPSUM CEILING
6.4mm thick gypsum plastered ceiling boards (to comply with SABS 266-1982 or later revision) installed with longer lengths to suit room configurations with 'Wire Scrim Tape' fixed over all joints and plastered with 6 mm thick light weight hemi-hydrate gypsum painted, polished and finished with 3 No. coats of super PVA external quality paint; colour to P.A's approval. Ceiling to be fixed to timber brandering with all necessary accessories to strict manufacturer's specifications. Colour and finish to match existing.

C2: EXPOSED TREATED TIMBER WORK
Varnish finish complying with SABS 723, SABS681 and SABS 630 or later version for primer, SABS 681 or later version for undercoat and SABS 630 or later version type 2 for Finish Coat. Colour to architect's approval approval.

EXTERIOR WALL FINISHES:

EW1: PLASTER & PAINT (ACRYLIC) – FULL HEIGHT
Apply new 10mm - 15mm plaster on existing brick walls ensuring all surfaces are completely dry, clean, and free from loose contaminants, grease, or dust. Allow to dry and apply approved primer to manufacturer's specifications. Apply at least two coats of a topcoat approved water-based formulation, washable, stain resistant, UV resistant Acrylic paint as per manufacturer's directions.

EW2: EMBOSSED PROFILED WALL CLADDING CORRUGATED IBR SHEETS (ONE SIDE)
0.8mm thick concealed fixing roofing sheets manufactured from roll-formed from certified steel complying with ISQ 550 (3T). The profile shall have three trapezoidal ribs at 203mm centres giving a nett cover of 406mm. The rib height shall be 41mm and provide capillary breaks. The male rib shall have spurs at 285mm centres to ensure a positive double interlocking action at side-laps. Each pan shall incorporate two stiffener ribs. Profiled roof sheets to be coated on one side with Z275 galvanising (commercial quality) to SABS 934 or later editions laid on approve insulation on structural Timber/Steel structure incorporating all necessarily accessories such as flashings and eave closers in strict compliance to Manufacturers instructions.

ROOF:
Roof Truss as per Engineer's drawings.

ER1: EMBOSSED PROFILED ROOF CORRUGATED IBR SHEETS (ONE SIDE)
0.8mm thick concealed fixing roofing sheets manufactured from roll-formed from certified steel complying with ISQ 550 (3T). The profile shall have three trapezoidal ribs at 203mm centres giving a nett cover of 406mm. The rib height shall be 41mm and provide capillary breaks. The male rib shall have spurs at 285mm centres to ensure a positive double interlocking action at side-laps. Each pan shall incorporate two stiffener ribs. Profiled roof sheets to be coated on one side with Z275 galvanising (commercial quality) to SABS 934 or later editions laid on approve insulation on structural Timber/Steel structure incorporating all necessarily accessories such as flashings and eave closers in strict compliance to Manufacturers instructions. INSULATION SHALL BE: 4mm Alububble 1983 D10 both sides reflective foil. To be stapled under timber battens as per manufacturer's instructions.

ER2: GALVANISED ROOF FLASHING
0.8mm Galvanised Roof flash sheeting manufactured from roll-formed galvanised sheets certified steel, fixed to roof sheets with fasteners in accordance to the manufacturers recommendations to match existing and to be waterproofing and flashing.

ER3: FIBRE CEMENT FASCIA AND BARGE BOARDS
200mm x 12mm thick medium density fibre cement fascia and barge boards to be installed for finishing of eaves and rafter ends that result in a completed roof that is protected against rain ingress. To be fastened with fasteners in accordance to manufacturer's recommendations.

GUTTERS & RAIN WATER DOWNPIPES

RG1: 150mm X 150mm SEAMLESS ALUMINIUM GUTTER
Seamless Aluminium Gutter 150mm x 150mm Aluminium alloy. Gauge 0,9mm dependent upon the profile, colour to Architects approval.

RWDP1: 100mm X 75mm SEAMLESS ALUMINIUM RAIN WATER DOWN PIPE
Seamless Aluminium Rain water down pipe 100mm x 75mm Aluminium alloy. Gauge 0,9mm, colour to be Architect's approval.

GENERAL WALL / CEILING MOUNTED FITTINGS

G2: SMART INTERACTIVE BOARD
1800mm wide x 1200mm high wall mounted interactive smart board, with concealed mounting and installed at 1000mm above floor finish as per manufacturer's mounting instructions.

G1: PIN BOARD
Parrot Bulletin board aluminium frame or similar approved 2400x1200mm Anodized Aluminium frame pinnable felt notice board with landscape orientation and concealed wall fixing kit included, colour: Laurel Grey, fabric type: Wool Felt with SABS Class 3 fire rating mounted at 1200mm height from FFL. Manufactured in accordance with SANS 1415:2005 all installed by approved installer in accordance with SANS 10186:2000.

WINDOW SILLS

H1: CLAY FACE BRICK
Clay Face Brick FBS in soldier course to comply with SABS 227 and forming part of the structural work. Solid brick on edge and Mortar joints keyed to approval.

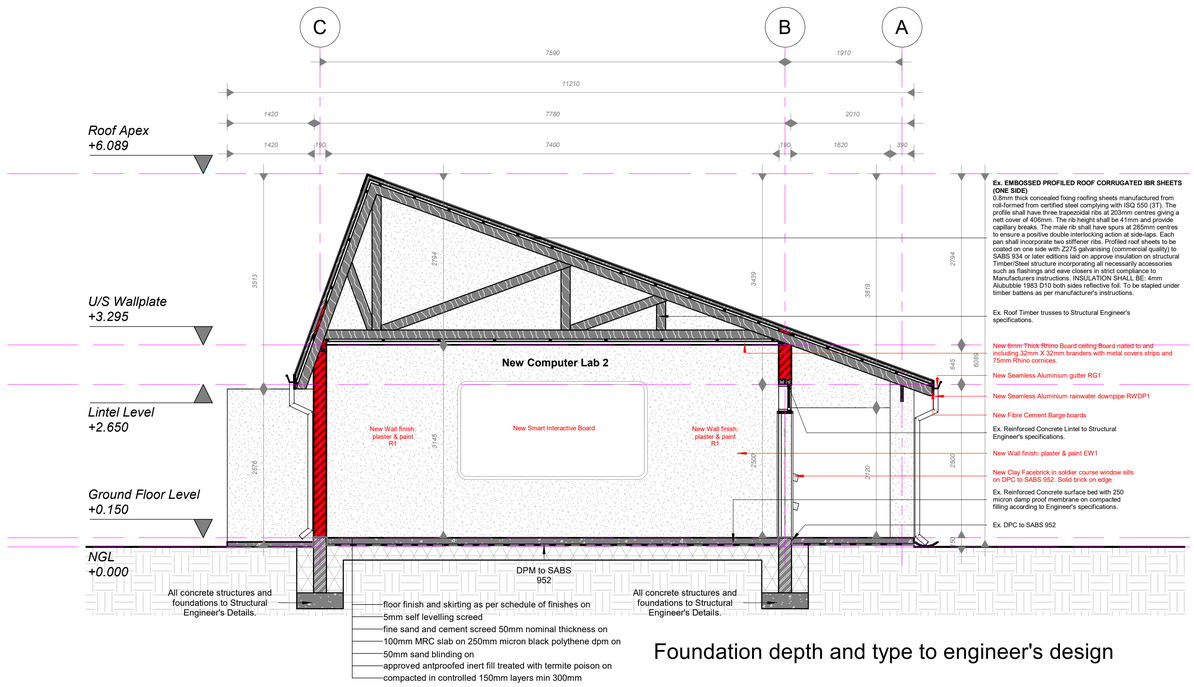
MISCELLANEOUS

PAINT ON GALVANISED STEEL ROOF SHEETS
Remove loose paint from previously painted surfaces. Scrub and wash with galvanised iron cleaner. Rinse thoroughly with clean water. Sand or abrade to remove any rust stains, wipe clean and treat affected areas with a rust remover. Where galvanised Steel was unavoidably welded on site, clean joint and cold galvanise to approval. Paint galvanised steel by applying two (2) coats emulsion roof paint to comply with SABS 940.

DULUX WATERPROOFING MEMBRANE 80gsm WITH WATERPROOFING PAINT
Ensure that surfaces are sound and free from dust, oil, grease, dirt, fungal growth and debris. Surfaces must be thoroughly dry - no more than 12% moisture content. Remove all loose rust and white scale by means of wire brushing, sanding, chipping, or mechanical scouring - down to bright metal. To remove dirt, salts and zinc corrosion (white rust) clean thoroughly with Dulux Galvanised Iron Cleaner achieving a water-break free surface. Areas showing red rust must be removed back to bright galvanised iron spot primed with Dulux Trade Corrocote 1 or Dulux Galvanised Iron Primer followed by one full coat of the same primer, overcoat with Dulux Waterproofing within 48 hours.An acrylic waterproofing paint developed to be used with a mesh membrane. Suitable on flashing, roof joins, roof screws, parapets and chimney capping. Apply two (2) coats of dulux waterproofing on Dulux waterproofing membrane. First Coat: Roll or Brush a thick coat of Dulux Waterproofing (1litre/ m²). Work the membrane into the wet coat by using a roller or a stiff brush, avoiding the formation of bubbles or creases in the material. Second Coat: Once the first coat has dried sufficiently to take working traffic (2 – 3 hours depending upon weather), apply a second coat of Dulux Waterproofing (0.7 litre/m²) to ensure the membrane is completely wet. Third Coat: Once the second coat is dry, apply a final coat of Dulux Waterproofing at the spreading rate of second coat (0.7 litre/m²). *Note On flat surface. Membrane overlaps should be a minimum of 100mm. Allow a minimum drying period of 30 minutes before applying. Thinner Drying Time Recoating Time Cleaning of equipment Substrates Precautions SURFACE PREPARATION Thinning not recommended.

WINDOW BLINDS
Horizontal Canvas Blind: 127mm Horizontal Deco blind with Anodised Aluminium Headrail fitted.

Carpentry Building Ceiling Layout
1 : 100



Carpentry Building Section B-B
1 : 50

CARPENTRY BUILDING CEILING LAYOUT, SECTION
1:100, 50

GENERAL NOTES

- ALL DIMENSIONS ARE IN mm AND MUST BE CHECKED ON SITE AND DRAWINGS MUST NOT BE SCALED.
- THIS DRAWING MUST NOT BE SCALED, FIGURED DIMENSIONS ONLY TO BE USED.
- DISCREPANCIES, ERRORS AND DIMENSIONS ARE TO BE REPORTED TO THE ARCHITECT (EMPLOYER) IMMEDIATELY THEY BECOME EVIDENT FOR RECTIFICATION OR CLARIFICATION BEFORE ANY CONSTRUCTION MAY COMMENCE.
- ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED ON SITE PRIOR TO COMMENCING SETTING OUT, WORKSHOP DRAWINGS OR CONSTRUCTION.
- ALL MATERIALS AND CONSTRUCTION MUST COMPLY WITH THE NATIONAL BUILDING REGULATIONS (ACT NO 103 OF 1977) INCLUDING ALL AMENDMENTS, SANS 10400 AS WELL AS THE BY-LAWS OF THE LOCAL AUTHORITIES.
- ALL MATERIALS MUST BE FIXED AND FINISHED STRICTLY TO MANUFACTURER'S SPECIFICATION, UNLESS OTHERWISE SPECIFIED. SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL PRIOR TO MANUFACTURE OR INSTALLATION.
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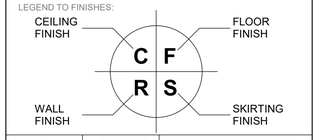
LEGEND TO FINISHES:



REV. NO.	DATE	DESCRIPTION
A	15-09-2025	DESIGN DEVELOPMENT
		REVISION

DEPARTMENT:
higher education & training
Department: Higher Education and Training
REPUBLIC OF SOUTH AFRICA

CLIENT:
IKHALA TECHNICAL AND VOCATIONAL EDUCATION & TRAINING COLLEGE

PRINCIPAL AGENT:
GREENFIELD RESOURCES
INTEGRITY | EFFICIENCY | AGILITY

Project:	ALTERATIONS & ADDITIONS TO IKHALA TVET COLLEGE STERKSPRUIT BUSINESS CAMPUS
Master Plan Reference:	IKHALA TVET COLLEGE: STERKSPRUIT BUSINESS CAMPUS
Drawing:	CARPENTRY BUILDING CEILING LAYOUT, SECTION
Status:	STAGE 3: DESIGN DEVELOPMENT

Drawn By:	M M	Drg. No:
Checked By:	T N	P 25006 DWG A006-03 MM
Scale:	As Shown	Rev. No:
Date:	15-09-2025	A
Project No:	P 25006	

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