



TO BE READ IN CONJUNCTION WITH:

- Architect's GA plan layouts
- Room Finishes Schedules
- Architectural Drawings, Schedules, and Layouts

Revision	Date	Issued For
0	15/08/2023	FOR CONSTRUCTION
1	01/12/2023	FOR CONSTRUCTION
2	02/02/2024	FOR CONSTRUCTION
3	03/04/2024	FOR CONSTRUCTION
4	09/04/2024	FOR CONSTRUCTION
5	16/04/2024	FOR CONSTRUCTION

OUTLINE SPECIFICATION SUMMARY

Project Name

SPORTS PALACE COURTS UPGRADE

ROYAL BAFOKENG SPORTS GROUND

Project No

SPCU

Stage

3

Drawing No

AR-CN-6500

Rev

5

WALL FINISHES

WF.01: Sheet Cladding

Global Roofing Solutions 406mm cover Brownbuilt™ profile roll-formed in continuous lengths from 0.58mm thick Galvanised steel, Z200 spelter ISQ300 Chromadek® Fish Eagle White finish topcoat and Pebble Grey backing coat roof sheeting, fixed to steel intermediate purlins at MAX 1800mm centres and eaves and ridge purlins at MAX 1500mm centres (final spacing to be calculated by an Engineer) using Duplex clips fixed with 10No.16 x 16mm long self-drilling wafer head PH2 screws, No. 3 drill point fasteners (fastener lengths may vary depending on the insulation used or requirements), all following the manufacturer's specifications by a GRS approved contractor.

WF.02: Paint

3 coats enamel-based mould-resistant paint (Plascon or similar)

WF.03: Ceramic Tiles

One coat sand cement wood floated plaster 12 – 15 mm thick to receive glazed ceramic wall tiles UNION TILES:

Type: Ceramic Wall Tile – Flat

Finish: Gloss

Code/ Colour: ADTMW12/ Crema

Available in size: 100 x 200 mm

Fix firmly with manufacture approved adhesive. Grout with waterproof and mould resistant grout, colour white. Preformed compression joint strip to all edges and corners: Stainless steel angle edges with suitable flexible infill, brushed finish.

WF.04: Ceramic Tiles

One coat sand cement wood floated plaster 12 – 15 mm thick to receive glazed ceramic wall tiles UNION TILES:

Type: Ceramic Wall Tile – Flat

Finish: Gloss

Code/ Colour: ADVBT20/ Blanco

Available in size: 200 x 200 mm

Fix firmly with manufacture approved adhesive. Grout with waterproof and mould resistant grout, colour white. Preformed compression joint strip to all edges and corners: Stainless steel angle edges with suitable flexible infill, brushed finish.

WF.05: Face brick wall

222 mm thick Corobrik *Platinum Travertine* FBX in stretcher bond, bedded and jointed in class 1 mortar with flush vertical and horizontal joints. Mortar to be pigmented to match face brick. Tinting to be achieved using pigments or coloured sand. Prepare mortar in a consistent manner to ensure face-brickwork with a uniform appearance.

WF.06: Pelican Systems (or similar approved) Drywall partitioning system with overall thickness of 89mm comprising internal framing formed of 63mm galvanised steel studs fixed at 600mm centres to galvanised steel top and bottom track with 63mm thick fibreglass insulation batts in cavity of partition, including any additional steel studding necessary at door openings, glazed or other apertures, abutments, ends, corners, etc. and covered with 12mm thick JUMBO Plasterboard in single lengths to suit height, butt jointed and secured to studding with 25mm drywall screws at maximum 300mm centres, the joints taped over and flushed over with jointing compound prepared for painting.

All aluminium door frames, glazing sections, corners, transomes, cornices, skirtings, etc. shall be formed of powder coated aluminium sections in colour . (Intersections and abutments are measured separately and descriptions shall be deemed to include any additional studs, corner beads, jointing compound, tape, etc.)

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OUTLINE SPECIFICATION SUMMARY

NABA BASKETBALL ACADEMY

ROYAL BAFOKENG SPORTS GROUND

Project No	Stage	Drawing No	Rev
NABA 2313	3	ARGN6000	5

WF.07: Sheet Cladding

Global Roofing Solutions 762mm cover Corrugated profile roll-formed in continuous lengths from 0.58mm thick Galvanised steel, Z200 spelter ISQ550 Chromadek® Fish Eagle White finish topcoat and Pebble Grey backing coat vertical cladding, fixed to steel intermediate rails at MAX 1900mm centres and end rails at MAX 1600mm centres (final spacing to be calculated by an Engineer) using Hex Flange Head + EPDM Seal self-drilling No. 3 drill point, No. 12-14 x 38mm long fasteners (fastener lengths may vary depending on the insulation used or requirements). Rail fixed to second, sixth and tenth crest of each sheet and at all crests at sheet ends, all following the manufacturer's specifications by a GRS approved contractor.

WF.08: Ceramic Tiles

One coat sand cement wood floated plaster 12 – 15 mm thick to receive glazed ceramic wall tiles UNION TILES:

Type: Ceramic Wall Tile – Flat

Finish: Matt

Code/ Colour: ADVMM251/ Marq

Available in size: 25 x 100 mm

Fix firmly with manufacture approved adhesive. Grout with waterproof and mould resistant grout, colour dark grey.

Preformed compression joint strip to all edges and corners: Stainless steel angle edges with suitable flexible infill, brushed finish.

WF.09: Plaster & Paint

Two coats plaster with 3 coats enamel-based mould-resistant paint (Plascon or similar)

FLOOR FINISHES

FF.01: Maple wood junckers (FIBA Standard) as per Kefa flooring specification.

FF.02: Sport turf – Mapecoat TNS finish 1.3.4: Coloured acrylic resin based coating product in water dispersion with selected fillers for indoor and outdoor tennis.

Mapecoat TNS Finish 1.3.4 is available in three court pace categories (1, 3 and 4) and is certified by the ITF (International Tennis Federation):

- Mapecoat TNS Finish 1 (category 1, slow pace) for coating surfaces with a layer that is moderately soft and elastic under foot to create a pleasant playing surface for both new players and enthusiasts of the game. It is the ideal surface for schools and tennis academies and for children who are learning to play.
- Mapecoat TNS Finish 3 (category 3, medium pace) which, thanks to a special mixture of selected fillers, forms a layer that becomes progressively more compact and provides a pace to the game that represents a good compromise between slow and fast pace surfaces, an ideal "compromise" for those who prefer either slower or faster surfaces.
- Mapecoat TNS Finish 4 (category 4, medium fast pace) forms a layer that is less elastic and becomes progressively more compact, allowing play to be faster and to meet the requirements of more expert tennis player.

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FF.03: Porcelain Tiles

Type: Union Tiles Glazed Porcelain – Colour Body Floor Tile

Finish: Matt

Code/ Colour: ADMDO6/ Grey

Available in size: 600 x 600mm

Fix firmly with manufacture approved adhesive. Grout with waterproof and mould resistant grout, colour to match tile. Preformed compression joint strip to all edges and corners: Aluminium angle edges with suitable flexible infill, colour aluminium.

FF.04: Polyflor Flooring

Polyflor: Agate Grey Vinyl Flooring from the Polysafe Stone fx PUR safety flooring collection.

Colour: Agate Grey Code: 4043 Weld Rod: 9804

SPECIFICATION

Invoked specifications and standards

• The following standards form part of this section:

1. Semi-flexible vinyl tiles SANS 581
2. Flexible vinyl flooring: SANS 786
3. SANS 10070 The Laying of Thermoplastic and similar Flexible Floor Covering Materials

Skirting

Coved skirting for vinyl flooring.

Installation

Supply and install 2.00mm x 2.00m Polysafe Stone fx PUR fully flexible PVC sheet flooring in 2.0mm thickness, with the following construction: circa 0.7mm clear PVC wear layer with aluminium oxide granules incorporated throughout the full thickness - to impart enhanced slip resistance and installed with Polyflor recommended adhesive which has been spread using an A2 notched trowel on a previously prepared Class 1 subfloor in accordance with SANS 10070, using a Polyflor recommended self-leveller and moisture barrier when required, including all cutting and waste, rolling the installed sheeting in both directions with a 68kg three-sectional roller immediately after it has been laid into the adhesive, joints must be butted, U-shape grooved and heat welded using Polyflor's matching welding rod ensuring that the welding rod bonds to more than 2/3rds of the sheet in thickness, available from Polyflor (011) 609 3500.

FF.05: Porcelain Tiles

Type: Granito Mosaic

Code/colour: ADMGR – 45/ Dark Grey

Available in size: 300 x 300 (45 x 45) mm

FF.06: Paving

FF.07: Surface Bed

FF.08: Outdoor Sports Courts Resurfacing

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FF.09: Porcelain Tiles

Type: Union Tiles Glazed Porcelain – Colour Body Floor Tile

Finish: Matt (Nonslip tile R11)

Code/ Colour: ADTRWH12/ Grey

Available in size: 600 x 600mm

Fix firmly with manufacture approved adhesive. Grout with waterproof and mould resistant grout, colour to match tile. Preformed compression joint strip to all edges and corners: Aluminium angle edges with suitable flexible infill, colour aluminium.

Non-slip for coffee shop, kitchen and raised seating area.

SKIRTING FINISHES

SF.01: Coved vinyl Skirting Matching floor vinyl coved 100mm high against walls over coved screed. Allow for a rounded corner at all corners including at thresh-holds.

SF.02: Tiled Skirting 100mm Tiled skirting upstand to match floor tile.

SF.03: Aluminium Skirting 100mm Powdercoated / Natural Anodized aluminium skirting for drywall application.

CEILING FINISHES

CF.01: Flush Plastered & Painted Ceiling Suspended, flush skimmed gypsum board ceiling with 3 coats PVA paint (Plascon or similar). Cornice to be aluminium shadow line (OWA Construct or similar).

CF.02: Moisture Resistant Flush Plastered & Painted Ceiling Suspended, flush skimmed moisture resistant gypsum board ceiling with 3 coats water-based enamel paint (Plascon or similar). Cornice to be aluminium shadowline (OWA Construct or similar).

CF.03: Painted Soffit Primed concrete soffit with 3 coats PVA paint (Plascon or similar)

CF.04: Unfinished Soffit

OFF SHUTTER CONCRETE FINISHES

OC.01: Off-shutter Concrete Horizontal/Vertical Surfaces Surface finish to be smooth-special as per SANS 2001-CC1: 2012. Formwork to be smooth laminated timber shutter. The finished concrete is to be Class 2. Formwork panel layout and joint positions to be approved by architect.

ROOFING SPECIFICATION

RF.01: Global Roofing Solutions 700mm cover Klip-Tite™ profile roll-formed in continuous lengths from 0.58mm thick Galvanised steel, Z200 spelter ISQ550 Chromadek® Fish Eagle White finish topcoat and Pebble Grey backing coat roof sheeting, fixed to steel intermediate purlins at MAX 2500mm centres and eaves and ridge purlins at MAX 2100mm centres (final spacing to be calculated by an Engineer) using KL700 plus clips fixed with 10No.16 x 16mm long self-drilling wafer head PH2 screws, No. 3 drill point fasteners (fastener lengths may vary depending on the insulation used or requirements), all following the manufacturer's specifications by a GRS approved contractor.

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RF.02: Insulated Non-Trafficable Waterproofed Concrete Roof 80mm Rigid extruded polystyrene insulation with min R-value of 3, 21m²K/W laid over slab. Minimum 50mm screed over to minimum 1:80 fall to outlets. Screeds to receive *Derbigum* torch-on waterproofing applicable to non-trafficable areas (*Derbigum* to provide specification). Waterproofing to be installed by manufacturer approved contractor, under a ten (10) year insurance backed guarantee.

RF.03: Insulated Trafficable Waterproofed Concrete Roof 80mm Rigid extruded polystyrene insulation with min R-value of 3,21m²K/W laid over slab. Minimum 50mm screed over to minimum 1:80 fall to outlets. Screeds to receive *Derbigum* torch-on waterproofing applicable to trafficable areas (*Derbigum* to provide specification). Waterproofing to be installed by manufacturer approved contractor, under a ten (10) year insurance backed guarantee.

RF.04: Coating Industries: Rubber Coat Liqui Rubber

Rubber coat Liqui Rubber is a water based highly flexible seamless waterproofing and roof coating that is desgined to withstand large temperture changes and to be typically maintenance free. High UV- Stability

Previous Painted Surfaces: Remove loose and flaking paint, Sand gloss enamel surfaces. Degrease surface with degreaser or sugar soap, rinse thoroughly with water and allow to dry. Spot prime raw areas with appropriate primer, allow to dry. Paint Cementous Surfaces (Raw): Make sure surface is free of loose or dusty particles. Prime surface with 1 coat Rubber Coat Bonding Liquid @ min 25µ. Once dry paint Rubber Coat Liqui- Rubber. Cured in 12 hours Full strength in 30 days

WATERPROOFING SPECIFICATION

WP.01: DPM 375 Micron black embossed polyolefin damp proof course complying with SANS 952 type B.

WP.02: DPC 250 Micron smooth green polyolefin membrane complying with SANS952 type C.

WP.03: Facebrick Coping Waterproofing Spec to follow

WP.04: Under-tile Waterproofing Screeds to fall to shower outlets. Floor screed to receive recommended *Derbigum* under-tile shower floor waterproofing. Floor waterproofing on first floor to extend the entire floor of wet room in which shower is located. Waterproofing to walls to receive recommended *Derbigum* under-tile shower wall waterproofing. Wall waterproofing to extend 500mm past the edge of showers.

JOINERY

Kitchen Units and Worktops for Coffee Shop

- Super White Melamine Faced MDF Units (16mm MFB)
- Adjustable shelving and hinged doors, including all ironmongery.
- Design of the units to be to specialist's design with design input from the Architect. Shop drawings to be approved before manufacture.

- 16mm melamine faced MDF. SUPAMATT Colour Kalapana.
- 2 of concealed type hinges per door; architect to accept sample.
- Flush handle in black, 250X50X2mm. Architect to accept sample.

Shelf

- Two shelves, 16mm super white melamine faced MDF.
- 4 of 5mm clear pin shelf support per shelf, set in predrilled holes.

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EDGING

- Edgings to match surface installed to manufacturers specification.

FIXING TO WALLS

- Fix joinery to masonry or concrete with appropriate plugs and screws, expanding bolts or frame fixing anchors.
- Do not use shot nails.
- Provide the necessary blocking pieces and sub-frames to take up inaccuracies of wall.

WORKTOP AND FRONT PANEL TO COFFEE SHOP COUNTERTOP

20mm Signature Stone Quartz installed to manufactures specifications.

FENESTRATION AND GLAZING SPECIFICATION

THIS SPECIFICATION IS TO BE INCORPORATED INTO WINDOW AND SHOPFRONT SCHEDULES

FG.01: Powdercoated Aluminium shopfront glazing HBS Aluminium Systems *Advantage* (or similar approved) with hardware and glazing compliant to SANS 10400 part N and XA. Insulated drywall panels behind back painted glass spandrel panels to later detail.

FG.02: Danpatherm - 12/16mm K7 polycarbonate honeycomb multicell system. Colour: Metallic ice exterior & softlight interior

SIGNAGE SPECIFICATION

THIS SPECIFICATION IS TO BE INCORPORATED INTO SIGNAGE SCHEDULES

SG.01: Basketball facility entrance Building name signage consisting of individual

EXTERNAL FLOORS FINISHES AND LANDSCAPING

THIS SPECIFICATION IS TO BE INCORPORATED INTO LANDSCAPE CONSULTANT'S SCOPE

LA.01: Soft landscaping Consisting of trees, shrubs, and ground cover, including irrigation. A rate to be allowed for by PQS.

LA.02: Interlocking Paving Concrete 80mm interlocking paver to parking area.

LA.03: Cobble Paving Concrete cobble paver to parking area bay delineation.

LA.04: Clay Paving Clay paving on sand bed to external areas.

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STRUCTURE – to be read in conjunction with structural engineer's drawings

ST-A Concrete Footing reinforced to structural engineer's design & detail

ST-B Surface bed to structural eng's design & detail

ST-C Reinforced Concrete Beam to structural engineer's design & detail

ST-D Movement Joint to engineer's design & detail. Finish to architect's detail

ST-E Suspended concrete slab to structural eng's design & detail

ST-F Timber Truss monopitch softwood timber construction to specialist design-and-supply in accordance with SANS 10400-L. Shop Drawings to be provided for approval.

ST-G Bund Wall to structural eng's design & detail.

ST-H concrete plinths to structural engineers' detail & design

ST-I Concrete column to structural engineer's design & detail

ST-J Galvanized steel angle with lugs at 500mm centers to structural engineer's design and detail.

ST-K Steel support column with IPE profile as per engineer's design & detail

ST-L Galvanized steel angle with lugs at 450mm centers to structural engineer's design and detail.

ST-M Stub columns to putrude 1 m from the RC slab according to engineer's design and detail.

ST-N Concrete bench as per engineer's design and detail.

ST-O Service staircase as per engineer's design and detail.

ACCURACY OF WORK

All building work must comply with SANS 10155, Grade 1 Accuracy, unless specified otherwise on the drawings or in the finishes schedule. The maximum permissible deviations are stipulated in Table 3 to Table 16 of Section 5 of the document. Any works not complying with the specified grade of accuracy will be rejected and any alterations or substitutions rendered necessary through the non-compliance with these tables shall be at the contractor's cost. All building work shall fulfil the notion of best practice.

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