DISABILITY ECONOMIC EMPOWERMENT TRUST

REQUEST FOR BID
FOR
THE APPOINTMENT OF A CONTRACTOR FOR THE REPAIRS AND RENOVATION TO REUBIN BIRIN SPECIAL SCHOOL ON BEHALF OF THE EASTERN CAPE DEPARTMENT OF EDUCATION

8GB OR HIGHER

EMIS NO: 200100648

DISTRICT: Nelson Mandela Bay Metropolitan Municipality

RFQ NO: DEET-ECDOE/EMR/03/2026-27 (REV_001)
VOLUME 2 OF 2 (DRAWINGS) – REVISION_001

Consisting of : 2 (Two) Volumes

BIDDER: ……

CRS NO: ……...

Compiled for:	Compiled by:
SUPPLY CHAIN MANAGEMENT Eastern Cape Department of Education Steve Tshwete Complex, Zone 6 **ZWELITSHA** 5608 Website: www.edu.ecprov.gov.za	**The Disability Economic Empowerment Trust (DEET)** 20 Suffolk Street Berea East London 5200 Website: www.deet.co.za

04 June 2026

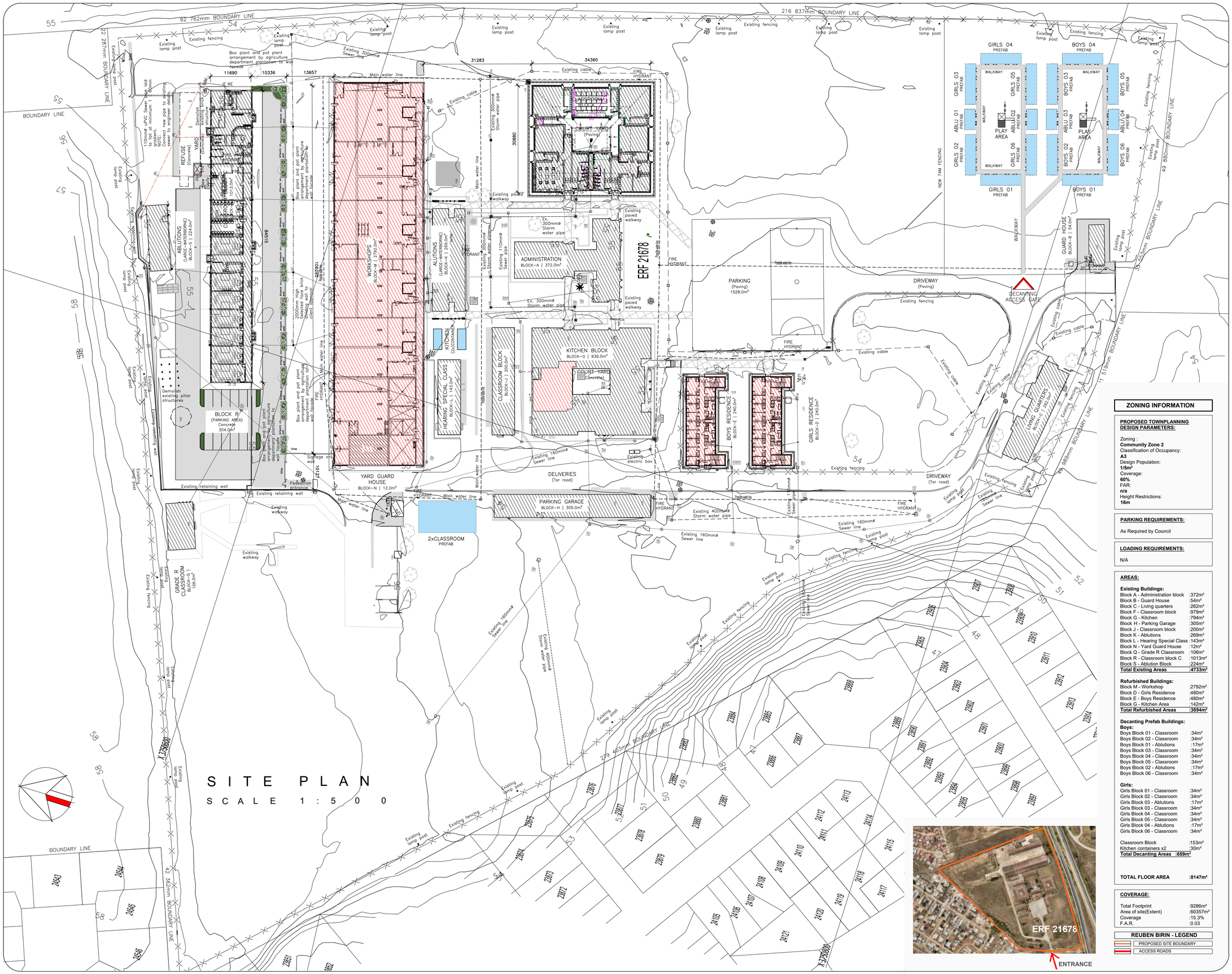
DRAWINGS

Tenderers are advised to study the Architect's specification for the full intent and meaning of the relevant item.

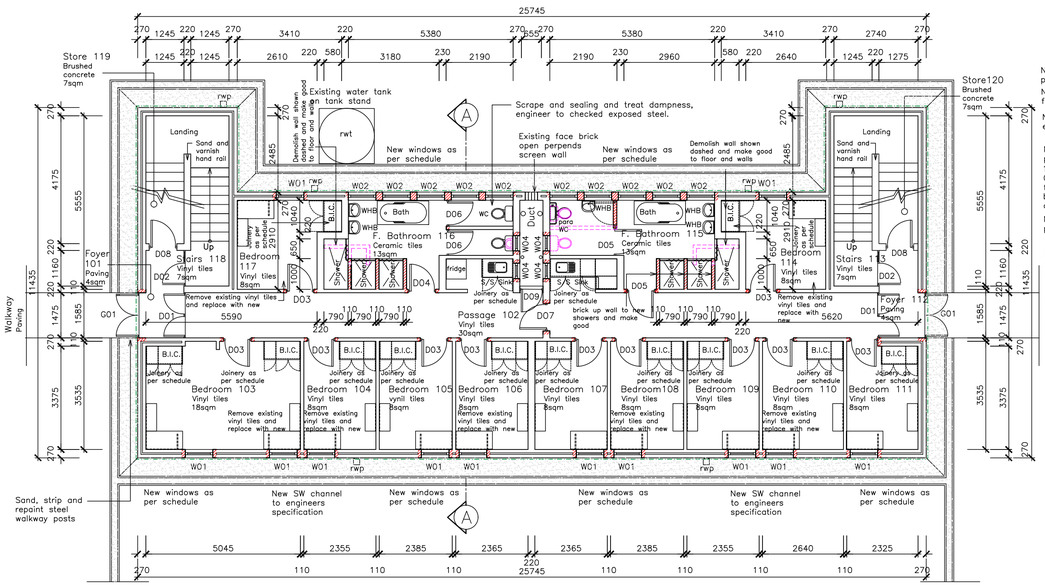
The following drawings are contained on the Volume 2 Documentation:

1. **Architectural Drawings**
2. **Civil and Structural Drawings**
3. **Electrical Drawings**
4. **Mechanical Drawings**

ARCHITECTS

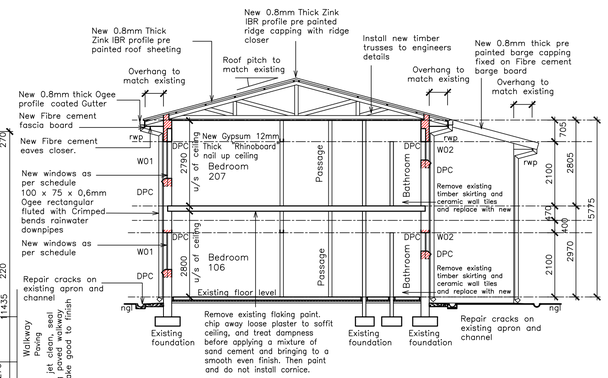

SITE PLAN
SCALE 1:500
ERF 21678
92 762mm BOUNDARY LINE
216 837mm BOUNDARY LINE
279 407mm BOUNDARY LINE
42 362mm BOUNDARY LINE
49 880mm BOUNDARY LINE
35 557mm BOUNDARY LINE
1 519mm BOUNDARY LINE
98mm BOUNDARY LINE
22 287mm BOUNDARY LINE
BOUNDARY LINE
ADMINISTRATION BLOCK–A | 372.0m²
WORKSHOPS BLOCK–M | 2792.0m²
ABLUTIONS (LARGE–WATERBORNE) BLOCK–K | 268.0m²
ABLUTIONS (LARGE–WATERBORNE) BLOCK–L | 143.0m²
KITCHEN BLOCK BLOCK–G | 936.0m²
COURT YARD (Concrete)
COURT YARD (Paving)
CLASSROOM BLOCK BLOCK–J | 200.0m²
HEARING SPECIAL CLASS BLOCK–L | 143.0m²
BOYS RESIDENCE BLOCK–E | 240.0m²
GIRLS RESIDENCE BLOCK–G | 240.0m²
LIVING QUARTERS BLOCK–C | 480.0m²
GUARD HOUSE BLOCK–B | 54.0m²
PARKING GARAGE BLOCK–H | 305.0m²
YARD GUARD HOUSE BLOCK–N | 12.0m²
BLOCK R (PARKING AREA) Concrete 304.0m²
GRADE R CLASSROOM BLOCK–Q | 106.0m²
2xCLASSROOM PREFAB
REFUSE (Concrete) YARD
PARKING (Paving) 1528.0m²
DRIVEWAY (Paving)
DRIVEWAY (Tar road)
DELIVERIES (Tar road)
DECANTING ACCESS GATE
NEW 74M FENCING
WALKWAY
GIRLS 01 PREFAB
GIRLS 02 PREFAB
GIRLS 03 PREFAB
GIRLS 04 PREFAB
GIRLS 05 PREFAB
GIRLS 06 PREFAB
BOYS 01 PREFAB
BOYS 02 PREFAB
BOYS 03 PREFAB
BOYS 04 PREFAB
BOYS 05 PREFAB
BOYS 06 PREFAB
ABLU 01 PREFAB
ABLU 02 PREFAB
ABLU 03 PREFAB
ABLU 04 PREFAB
PLAY AREA
Main water line
Existing cable
Existing fencing
Existing lamp post
Existing paved walkway
Existing 300mmø Storm water pipe
Existing 110mmø Sewer pipe
Existing 160mmø Sewer line
Existing 400mmø Storm water pipe
Existing electric box
Signage on wall
Pedestrian entrance
Existing retaining wall
Existing walkway
Demolish existing pillar structures
Demolish existing brick wall
110mmø uPVC Sewer line laid to fall at minimum 1.00% gradient.
Connect new pipe to existing sewer to engineer's detail
2400mm high brick screen wall to client approval
Box plant and pot plant arrangement by agriculture department plantation to wall facade
FIRE HYDRANT
Existing 160mmø Sewer line
Existing 400mmø Storm water pipe
Existing 300mmø Storm water pipe
Ex. 300mmø Storm water pipe
Ex. 110mmø Sewer pipe
Existing 160mmø Sewer line
Existing 110mmø Sewer pipe
Existing 160mmø Sewer line
Existing 160mmø Sewer line
Existing 400mmø Storm water pipe
Existing 160mmø Sewer line
Existing 160mmø Sewer line
Existing 160mmø Sewer line

BLOCK D
(GIRLS HOSTEL)



GROUND FLOOR PLAN

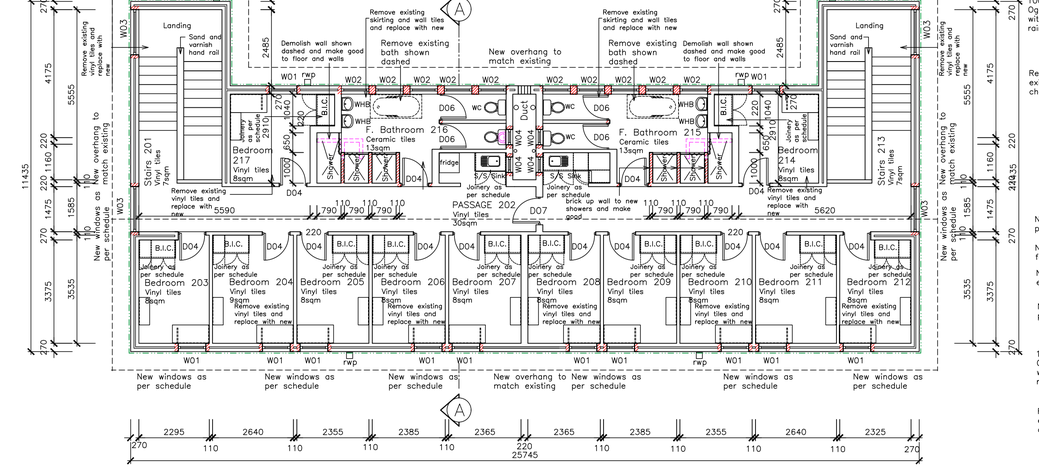
SCALE 1 : 100



SECTION A-A

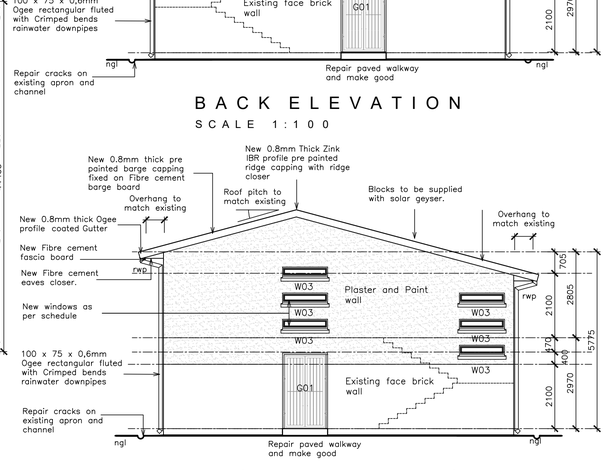
SCALE 1 : 100

- Internal Plaster Walls: Chip existing plastor and replace with new Plaster & Paint.
- External Plaster Walls: Demolish brick from wall plate to lintol height and build new plaster wall.
- External Plaster Walls: Plaster existing wall full height with new plaster wall.



FIRST FLOOR PLAN

SCALE 1 : 100

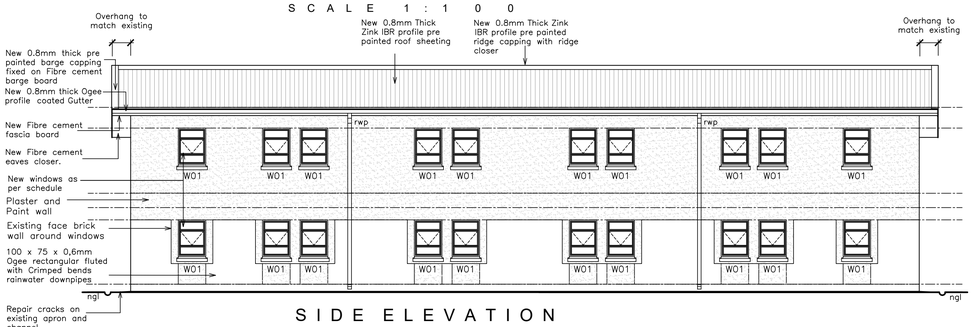


BACK ELEVATION

SCALE 1:100

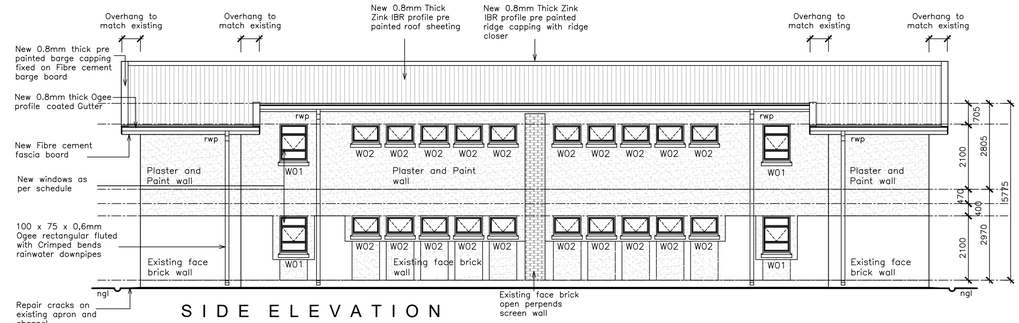
FRONT ELEVATION

SCALE 1:100



SIDE ELEVATION

SCALE 1:100



SIDE ELEVATION

SCALE 1:100

CONSTRUCTION NOTES:

ROOF: ON NEW TRUSSES
Carefully remove existing Asbestos roof sheeting and replace with new IBR 686, 0.8mm Thick Zincalume AZ150 profile longspan roof sheeting fitted with end flashing and "SONDOR' polyclosure on 75 x 50mm sap purlins at maximum 900mm centres fixed to 150x38mm sap rafters at max. 900mm cts, built into brickwork to slope as indicated on sections no less than minimum specified by roof sheeting manufacturer. Trusses to be tied down with 2mm galvanised wire built into brkwk 7 courses deep all as per Engineer/manufacturers specifications.

RAINWATER GOODS:
Carefully remove existing rain water goods and replace with new 150 x 125 x 0,8mm Ogee profile gutter thick coated internally and externally in colour to client approval with matching splashplate including cut and mitred angles covered with a mitre strip externally, stop ends riveted and all sealed on the inside with an approved silicone sealer, secured to bulinose metal roof sheets with brackets at using aluminium pop rivets. 100 x 75 x 0,6mm rectangular fluted with Crimped bends rainwater downpipes in colour to client approval fixed to wall with straps using nail plugs, with downpipes riveted and silicone sealed to gutter outlets, including all necessary bends, elbows, shoes etc. All applied by specialist strictly in accordance with manufacturers recommendations and specifications.

BARGE BOARD:
0.8mm thick barge capping 462mm girth, fixed to purlins with 220 x 15mm Fibre cement barge board under to manufacturers specification.

FASCIA:
Carefully remove existing fascia board and replace with new 12 x 225mm Pressed flat fascia, fixed to and including two 38 x 38mm batten rails between rafter feet, twice screwed with 12 x 40mm countersunk stainless steel screws at 900mm centres to support battens, fascia joint with PVC H–profile fascia joiner between boards and PVC H–profile
fascia corner joiners at angles.

EAVES:
Remove existing eaves and fix in position new 6mm thick Nutec fibre cement board eave closure. Fixed to 50x38mm timber frame fixed to the underside of chambered level bottom rafter eaves end and on wall or racked to the underside of rafter with Meranti cover and edging cover strips. All to manufacturers specifications.

CEILING: NAIL UP CEILING
Remove existing ceiling and cornice, replace with new Gypsum 12mm Thick "Rhinoboard" nail up ceiling complete with Meranti cover strips and Gypsum 70mm Cornice on 38 x 38mm S. A. Pine brandering at 380mm centres fixed with clout nails and nail heads in accordance to manufactures specification.

CEILING: EXISTING SOFFIT
Remove existing flaking paint. chip away loose plaster treat dampness to soffit ceiling, apply a mixture of sand cement and bring to a smooth even finish, fill all cracks with polly filler, sand down to a smooth finish to receive 2 x Coats of approved soffit ceiling paint.

WALLS: EXISTING
All existing plastered walls of entire dwelling to be inspected and cracks, blemishes, openings made good and all painted as per Plascon paints recommended systems of preparation and painting for existing walls. STRUCTURAL PROBLEMS TO BE ADVISED BY STRUCTURAL ENGINEER.
ALL PLUMBING AND ELECTRICAL CHASING TO BE COMPLETED BEFORE ANY PLASTER WORK IS COMMENCED.

WALL: NEW
Wall thicknesses as per floor plans with 15mm smooth plaster and paint internally and externally as indicated. ALL PLUMBING AND ELECTRICAL CHASING TO BE COMPLETED BEFORE ANY PLASTER WORK IS COMMENCED. Brikgrip strip dpc laid at level of top of surface bed, with brickforce every fourth course and wall ties 5/m². Plastered walls to be filled and prepared for painting and to receive 3x coats 'Plascon' paint as specified in Paint Finishes. All by specialist strictly in accordance with manufacturers recommendations and specifications.

ALUMINIUM WINDOWS:
Carefully remove existing steel windows, prepare opening to receive new windows. All windows to fit OPENINGS as indicated on plan and elevation including plugging to wall at bottom sides, reinstate DPC to sides and cill. Windows manufactured and installed by specialist with clear glazing and opaque glazing to Ablutions to NBR as required.
Refer to window schedules.

DOORS: GENERALLY
All doors to fit OPENINGS as indicated on plan and elevation. Doors manufactured and installed by specialist with clear glazing to NBR as required. New frames to be anchored at least 3 x to wall with approved anchored to stiles. Back of galvanised steel frames stiles anchored to be embedded into brickwork to be coated with bitumen sealant and void filled with concrete. Refer to door schedules.

SKIRTINGS: GENERALLY
Remove and replace all with new 70 x 19mm hollow backed meranti skirting. Apply 1x coat Plascon sealer to all surfaces, edges and ends. Apply second coat Plascon sealer once skirting is in place.

PLUMBING:
Inspect, unblock, refurbish and upgrade existing sewer system and Connect to municipal sewer as per the approval of the local municipal authority. All to ENGINEERS DETAILS.

FOUNDATIONS: EXISTING
All existing foundations are to be checked by ENGINEER for structural integrity and to be certified as acceptable for any necessary additions before any construction occurs.

PAINTING:
Paint to be as specified or to be equal and approved by Architect/Client. All walls to be moisture tested before any painting commences. 1m² colour sample panels to be fully primed and painted as a sample for approval, internally and externally before remainder of painting commences.

PAINT AND TILING FINISHES:
All surfaces to be clean and dry, free of flaking or oily deposits prior to painting commencing as per manufacturers recommendations. all plastered walls internally and externally to be filled and sanded after undercoat where plaster deficiencies occur.

External walls:
Undercoat and wall preparation all as per manufacturer's specifications. Thereafter 2x coats Plascon 'Wall and All'

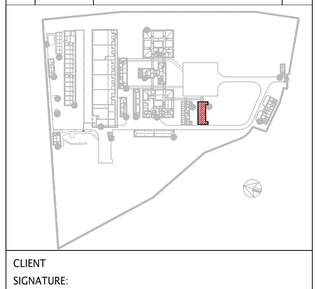
Internal walls: Generally
Undercoat and wall preparation all as per manufacturer's specifications. Thereafter, 2x coats Plascon 'Wall and All'

Ablution Walls:
Ceramic wall tiles from floor level to u/s ceiling generally. Undercoat and wall preparation all as per manufacturer's specifications. Thereafter 2x coats Plascon 'Wall and All' to u/s ceiling. All to Owner's approval.

Ceilings and Cornices:
Undercoat and preparation to manufacturer's specifications and recommendations. Thereafter 2x coats Plascon Polvin Acrylic PVA

All materials to be applied to manufacturers specifications and recommendations. ALL COLOURS TO OWNERS APPROVAL

REVISIONS:



CLIENT
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Province of the EASTERN CAPE EDUCATION

IMPLEMENTING AGENT
SIGNATURE:

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MASHA DESIGN GROUP
Architects & Urban Designers

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ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

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28 Steward Drive
Berea
East London
5241
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132
www.mashadesigns.co.za • sithembele@mashadesigns.co.za

PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED. (GIRLS HOSTEL)

TITLE BLOCK D GROUND, FIRST, SEC. ELEVATIONS

SCALE	DRAWN
1:100	C QWESHA/S. NGAMLANA
DESIGNED	CHECKED
S Maselwa	S Maselwa

PROJECT NUMBER	DATE	
2025-06-19	25/02/2026	
	DRAWING NUMBER	REVISION
	PL 100	Rev 0

NOTES FOR THE JOINERY

1. 32mm post formed 'Formica' worktop, Squareline profile on Bisonboard 'V313' high moisture resistant particleboard.
WORKTOP COLOUR: Charcoal

2. 16mm BisonBord 'V313' with Melamine finish to all surfaces and 2mm high impact edging
CARCASS COLOUR: White
EDGING COLOUR: White
P.V.C fixing brackets and stainless steel screws.

3. 150mm high Mosaic tiles above worktops fixed to walls with straight joints in both directions with the recommended Ceresit Tylon adhesive and flush pointed with Ceresit Tylon 33 white grout.

4. 2mm brushed stainless steel (satin finish) kick plate.

5. 16mm BisonBord 'V313' with Melamine finish to all surfaces and 2mm high impact edging
CUPBOARD COLOUR: White

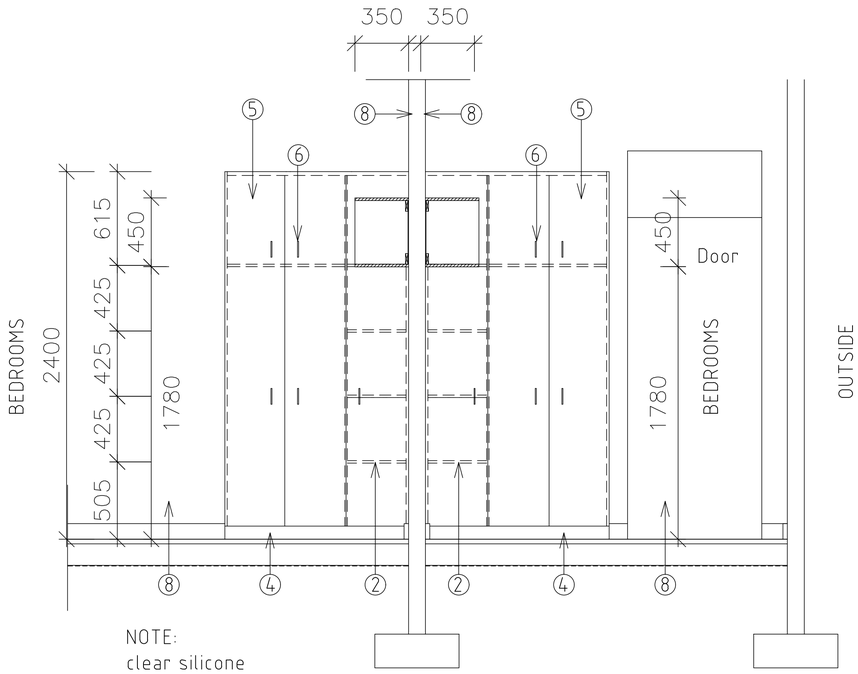
6. 100mm concealed handle - Gelmar (code BSN 8227) or similar approved

7. 85x25mm sap blocking piece at max. 400mm cc fixed to wall and skirting forming cupboard base

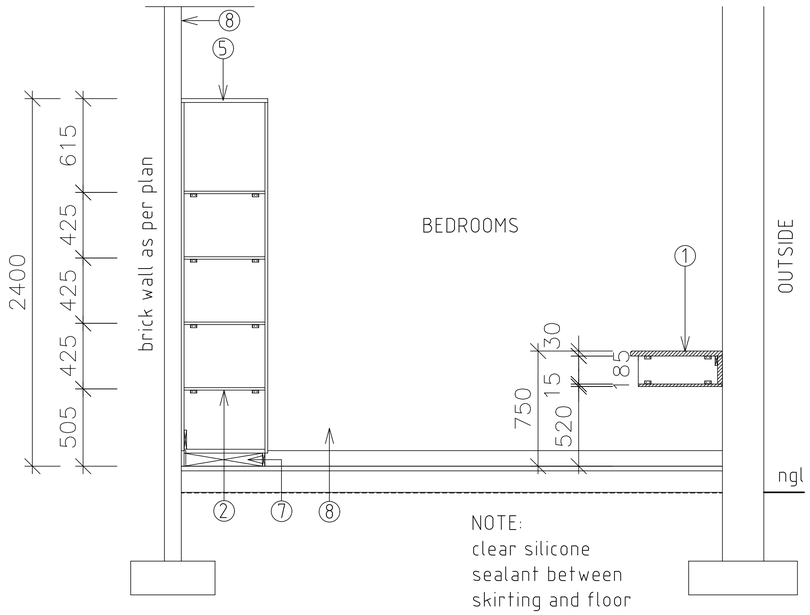
8. Wall thicknesses as per floor plans with 15mm smooth plaster and paint

9. 32mm thick postformed formica counter top with 32x32mm sap painted fixing cleats under either side

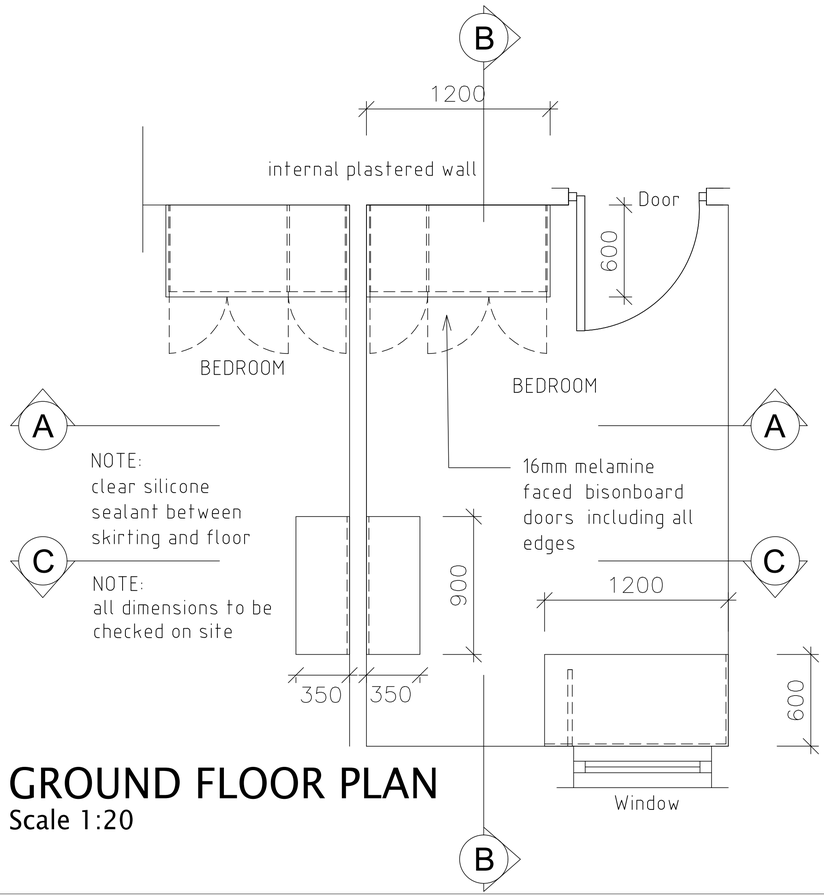
10. 30x30x3mm painted g.m.s. tube bracket worktop support 2x 10mm rawl bolted to blockwork and 3x countersunk screwed to u/s worktop.



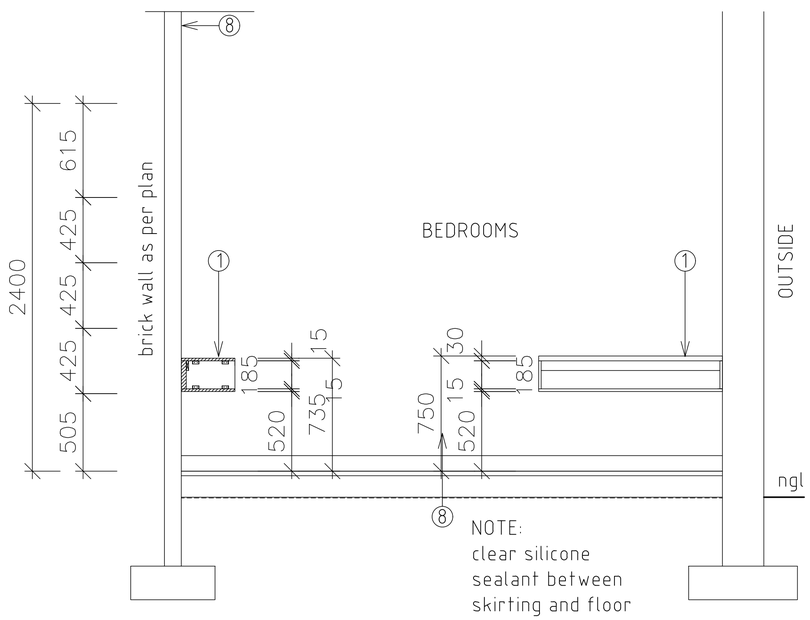
SECTION A-A
Scale 1:20



SECTION B-B
Scale 1:20

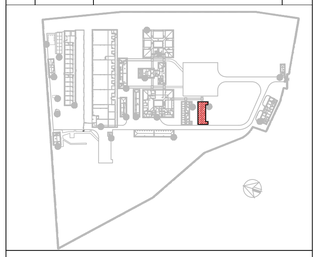


GROUND FLOOR PLAN
Scale 1:20



SECTION C-C
Scale 1:20

REVISIONS:



CLIENT
SIGNATURE:

Province of the EASTERN CAPE EDUCATION

IMPLEMENTING AGENT
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PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED.

TITLE BLOCK D - JOINERY DETAILS

SCALE	DRAWN
1:100	C QWESHA/S. NGAMLANA
DESIGNED	CHECKED
S Maselwa	S Maselwa

PROJECT NUMBER	DATE	
2025-06-19	22/06/2025	
	DRAWING NUMBER	REVISION
	PL 100	Rev 0

NOTES FOR THE JOINERY

1. 32mm post formed 'Formica' worktop, Squareline profile on Bisonboard 'V313' high moisture resistant particleboard.
WORKTOP COLOUR: Charcoal

2. 16mm BisonBord 'V313' with Melamine finish to all surfaces and 2mm high impact edging
CARCASS COLOUR: White
EDGING COLOUR: White
P.V.C fixing brackets and stainless steel screws.

3. 150mm high Mosaic tiles above worktops fixed to walls with straight joints in both directions with the recommended Ceresit Tylon adhesive and flush pointed with Ceresit Tylon 33 white grout.

4. 2mm brushed stainless steel (satin finish) kick plate.

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CUPBOARD COLOUR: White

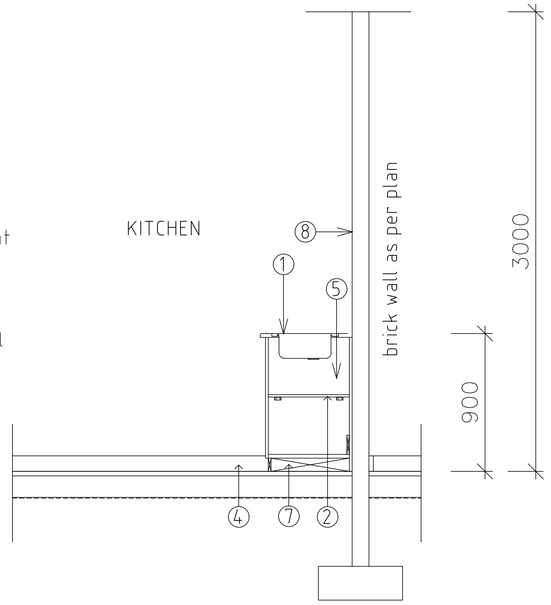
6. 100mm concealed handle - Gelmar (code BSN 8227) or similar approved

7. 85x25mm sap blocking piece at max. 400mm cc fixed to wall and skirting forming cupboard base

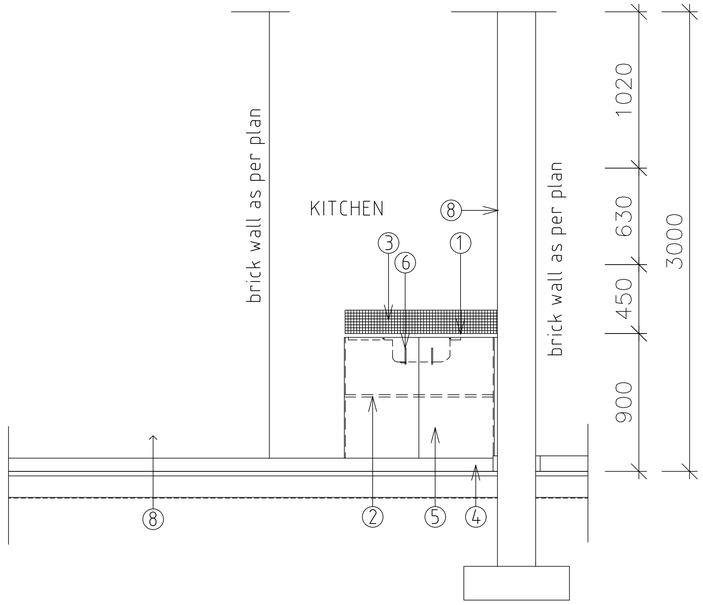
8. Wall thicknesses as per floor plans with 15mm smooth plaster and paint

9. 32mm thick postformed formica counter top with 32x32mm sap painted fixing cleats under either side

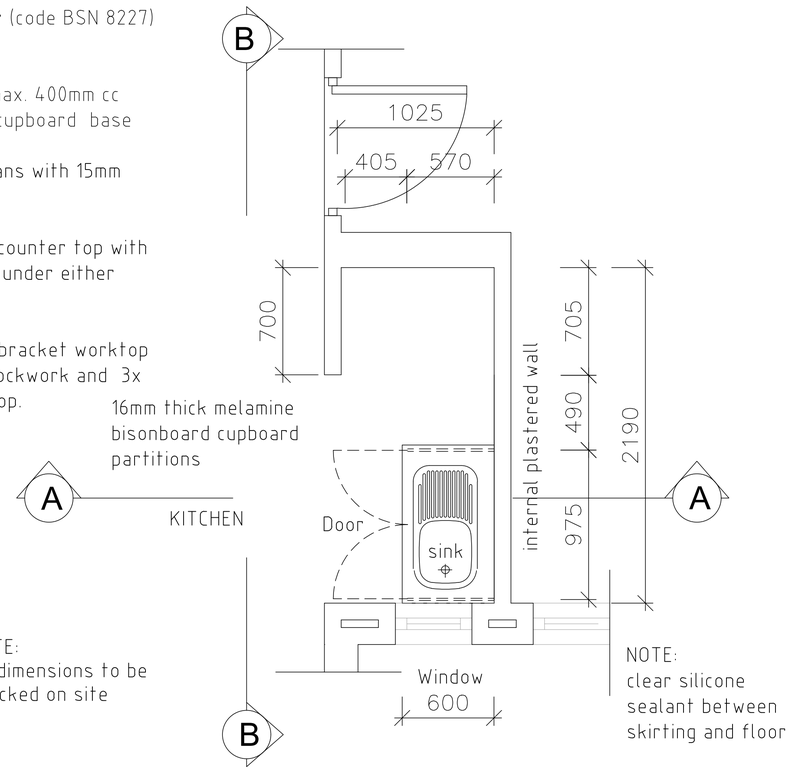
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SECTION A-A
Scale 1:20

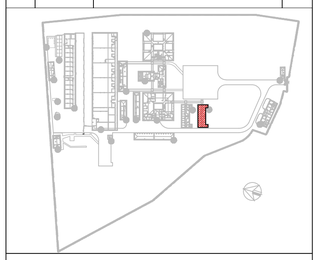


SECTION B-B
Scale 1:20



GROUND FLOOR PLAN
Scale 1:20

REVISIONS:



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S Maselwa	S Maselwa

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CUPBOARD COLOUR: White

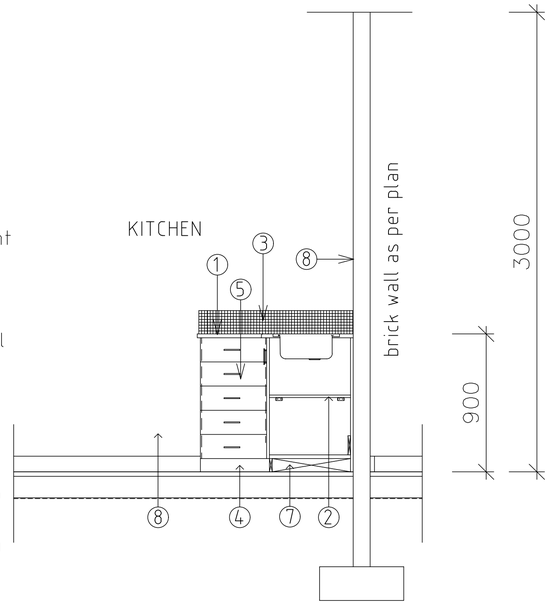
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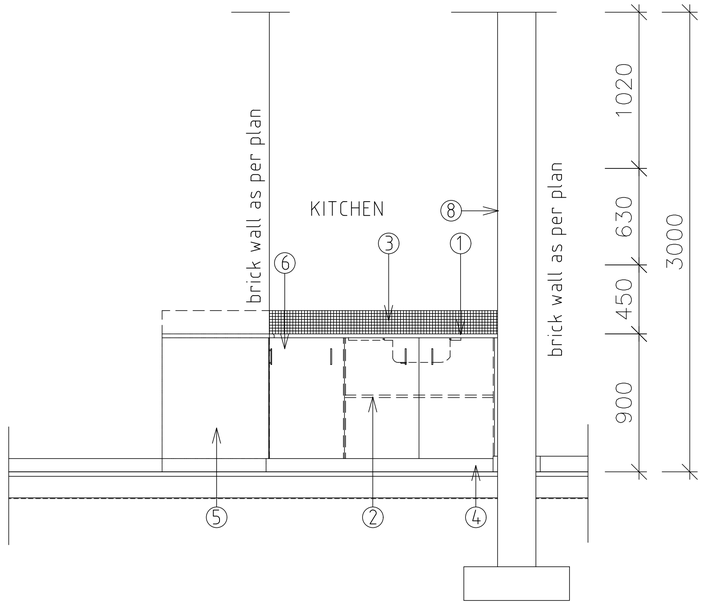
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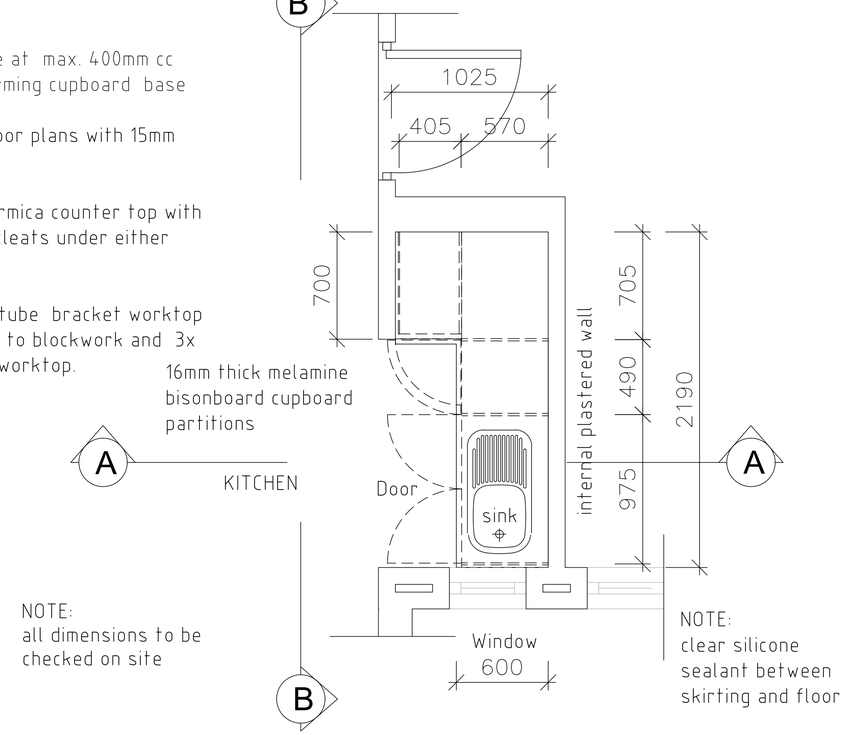
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SECTION A-A
Scale 1:20

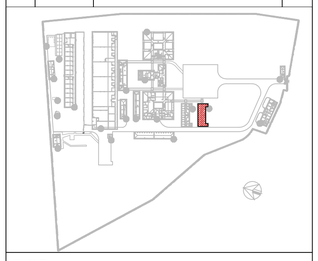


SECTION B-B
Scale 1:20



GROUND FLOOR PLAN
Scale 1:20

REVISIONS:



CLIENT
SIGNATURE:

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IMPLEMENTING AGENT
SIGNATURE:

DEET
DISABILITY ECONOMIC EMPOWERMENT TRUST

MASHA DESIGN GROUP

CONSORTIUM
SIGNATURE:

ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

Pty(Ltd): 2019/293991/07
28 Steward Drive
Berea
East London
5241
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132
www.mashadesigns.co.za • sithembele@mashadesigns.co.za

PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED.

TITLE BLOCK D - JOINERY DETAILS

SCALE	DRAWN
1:100	C QWESHA/S. NGAMLANA
DESIGNED	CHECKED
S Maselwa	S Maselwa

PROJECT NUMBER	DATE	22/06/2025
2025-06-19	DRAWING NUMBER PL 100	REVISION Rev 0

NOTES FOR THE JOINERY

1. 32mm post formed 'Formica' worktop, Squareline profile on Bisonboard 'V313' high moisture resistant particleboard.
WORKTOP COLOUR: Charcoal

2. 16mm BisonBord 'V313' with Melamine finish to all surfaces and 2mm high impact edging
CARCASS COLOUR: White
EDGING COLOUR: White
P.V.C fixing brackets and stainless steel screws.

3. 150mm high Mosaic tiles above worktops fixed to walls with straight joints in both directions with the recommended Ceresit Tylon adhesive and flush pointed with Ceresit Tylon 33 white grout.

4. 2mm brushed stainless steel (satin finish) kick plate.

5. 16mm BisonBord 'V313' with Melamine finish to all surfaces and 2mm high impact edging
CUPBOARD COLOUR: White

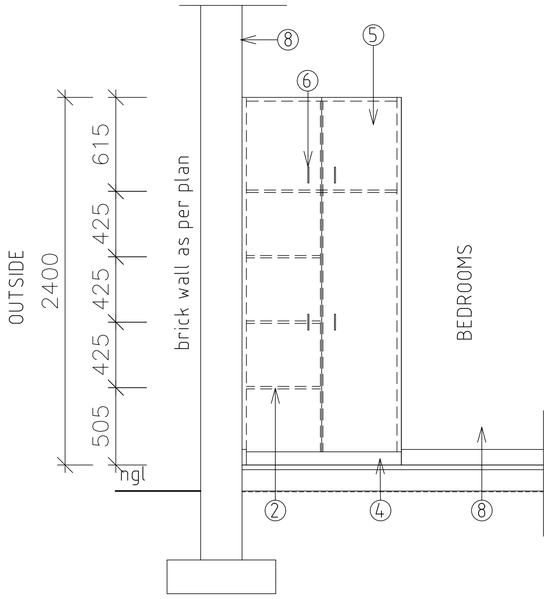
6. 100mm concealed handle - Gelmar (code BSN 8227) or similar approved

7. 85x25mm sap blocking piece at max. 400mm cc fixed to wall and skirting forming cupboard base

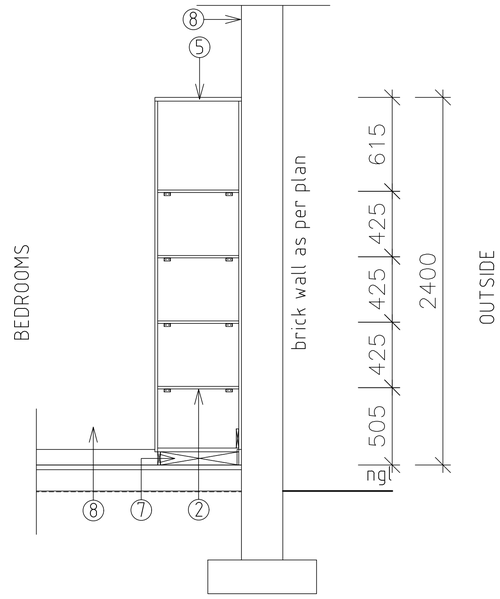
8. Wall thicknesses as per floor plans with 15mm smooth plaster and paint

9. 32mm thick postformed formica counter top with 32x32mm sap painted fixing cleats under either side

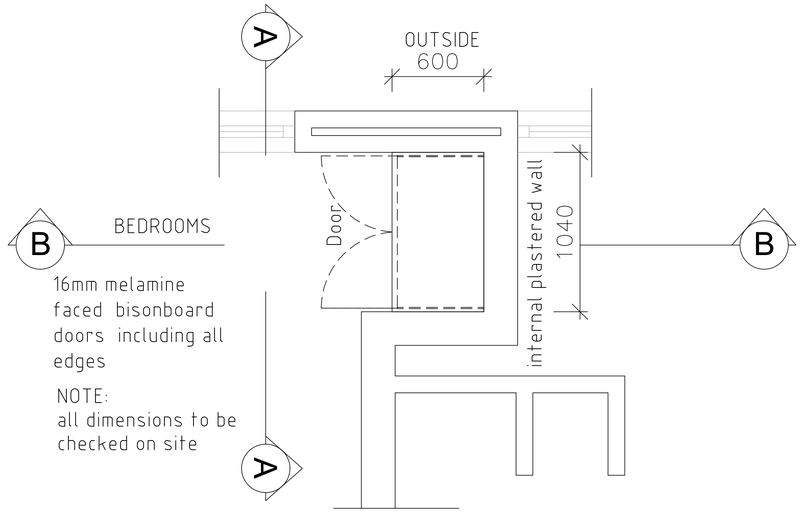
10. 30x30x3mm painted g.m.s. tube bracket worktop support 2x 10mm rawl bolted to blockwork and 3x countersunk screwed to u/s worktop.



SECTION A-A
Scale 1:20

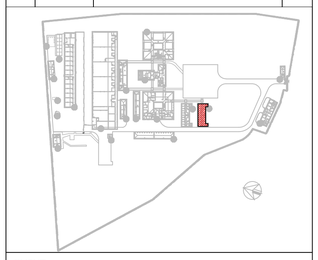


SECTION B-B
Scale 1:20



GROUND FLOOR PLAN
Scale 1:20

REVISIONS:



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PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED.

TITLE BLOCK D - JOINERY DETAILS

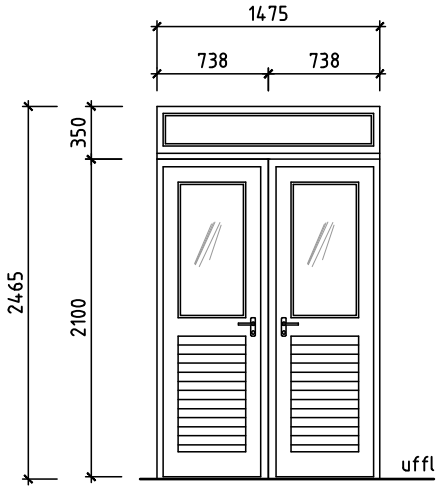
SCALE	DRAWN
1:100	C QWESHA/S. NGAMLANA
DESIGNED	CHECKED
S Maselwa	S Maselwa

PROJECT NUMBER	DATE	
2025-06-19	22/06/2025	
	DRAWING NUMBER	REVISION
	PL 100	Rev 0

DOOR SCHEDULE

DOOR TYPE :		D01
LOCATION		Foyer 101, 112

OPENING



1:50 EXTERNAL ELEVATION

DOOR NO:	01	FRAME:	
NO REQUIRED:	02		
DESCRIPTION:	Wispeco heavy duty 1475 x 2465mm Powder Coated Aluminium solid panel double door with 6.38mm clear laminated safety glass with solid bottom panel and solid fanlight above.	GLAZING:	6mm clear laminated safety glass,to comply with Part NN3 of S.A.B.S. 0400 - 1990.
FINISH:	Powder Coated Aluminium	DESCRIPTION:	Standard natural anodised aluminium rebated frame with 350mm fixed pane fan light with 1 ½ pairs aluminium hinges.
IRON MONGERY:	UNION AL8730AS aluminium, single or multitrack door stop with anodised silver finish. UNION AL8052-150AS flush bolt with anodised silver finish. UNION mortice cylinder lockset comprising aluminium Waterbok handle on 150 x 50mm Oval backplate AL6W20-05AS with anodised silver finish , with Euro lock case L-22315-76SS (Standard) with stainless steel forend, Euro profile double cylinder 2x18SCMKD 66mm long, master keyed, with rebate conversion set 2799SC.	FINISH	Powder Coated Aluminium
		REMARKS:	Any minor damages to door and frame to be rectified. Colour to Architect's approval

GENERAL NOTES:
1. Door swings & positions to be calculated from the floor plans
2. All dimensions and levels are to be checked on site by the contractor prior to construction
3. Any discrepancies on this drawing to be reported to the architect prior to placing orders & construction and/or manufacturing of door/frame
4. All aluminium & steel is to be isolated from one another to prevent galvanication
5. All quantities are to be checked on site by the contractor prior to placing orders
6. All undercutting of doors is to be calculated from mechanical detailed construction drawings
7. All shopfront doors are to be AAAMSA approved.

MASHA DESIGN GROUP
Architects & Urban Designers

Pty(Ltd): 2019/293991/07
28 Stewart Drive
Baysville
East London 5247
cell. 072 573 9905
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www.mashadesigns.co.za
info@mashadesigns.co.za

PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING HOSTEL BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH (GIRLS HOSTEL)

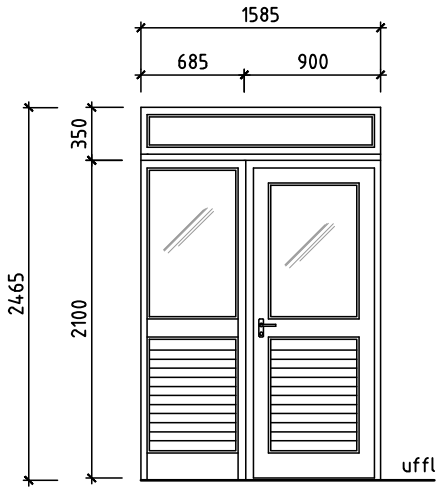
TITLE: BLOCK D - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER	DATE 25/02/2025	SCALE 1:50
2025-06	DRAWING NUMBER PL250619	REVISION -

DOOR SCHEDULE

DOOR TYPE :		D02
LOCATION		Stairwell

OPENING



1:50 EXTERNAL ELEVATION

DOOR NO:	02	FRAME:	
NO REQUIRED:	02		
DESCRIPTION:	Wispeco heavy duty 1585 x 2465mm Powder Coated Aluminium solid panel double door with 6.38mm clear laminated safety glass with solid bottom panel and solid fanlight above.	GLAZING:	6mm clear laminated safety glass,to comply with Part NN3 of S.A.B.S. 0400 - 1990.
FINISH:	Powder Coated Aluminium	DESCRIPTION:	Standard natural anodised aluminium rebated frame with 350mm fixed pane fan light with 1 ½ pairs aluminium hinges.
IRON MONGERY:	UNION AL8730AS aluminium, single or multitrack door stop with anodised silver finish. UNION AL8052-150AS flush bolt with anodised silver finish. UNION mortice cylinder lockset comprising aluminium Waterbok handle on 150 x 50mm Oval backplate AL6W20-05AS with anodised silver finish , with Euro lock case L-22315-76SS (Standard) with stainless steel forend, Euro profile double cylinder 2x18SCMKD 66mm long, master keyed, with rebate conversion set 2799SC.	FINISH	Powder Coated Aluminium
		REMARKS:	Any minor damages to door and frame to be rectified. Colour to Architect's approval

GENERAL NOTES:

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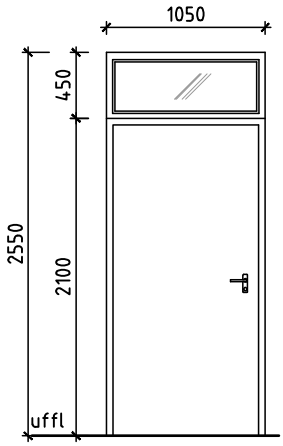
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING HOSTEL BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH (GIRLS HOSTEL)

TITLE: BLOCK D - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER PL250619	REVISION -

DOOR SCHEDULE

DOOR TYPE :		D03
LOCATION		Bedrooms - Ground Floor



1:50 EXTERNAL ELEVATION

DOOR NO:	03	FRAME:	
NO REQUIRED:	12		
DESCRIPTION:	Painted 40x1050x2032mm masonite covered solid core door or equal and approved with hardwood edges to two sides.	DESCRIPTION:	1.2mm hot dipped galvanised mild steel standard double rebated metal doorframe. frame complete with 1 pair 100mm steel loose pin hinges, rubber door buffers set in frame.For 110 mm Plaster Both sides.
FINISH:	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.	FINISH	decrease galv frame with approved decreasing agent 1 coat universal undercoat 2 coats Plascon Velvaglo colour to architects approval
IRON MONGERY:	UNION AL8730AS aluminium, single or multitrack door stop with anodised silver finish. UNION mortice cylinder lockset comprising aluminium Waterbok handle on 150 x 50mm Oval backplate AL6W20-05AS with anodised silver finish , with Euro lock case L-22315-76SS (Standard) with stainless steel forend, Euro profile double cylinder 2x18SCMKD 66mm long, master keyed, with rebate conversion set 2799SC.	REMARKS:	Any minor damages to door and frame to be rectified. Remove all ironmongery during painting. Colour to Architect's approval Galvanised surfaces to be cleaned down, and painted External section of frame to be painted with bitumen primer.
		GLAZING:	6.38mm clear laminated safety glass to fixed fanlight.

GENERAL NOTES:
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2. All dimensions and levels are to be checked on site by the contractor prior to construction
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7. All shopfront doors are to be AAAMSA approved.

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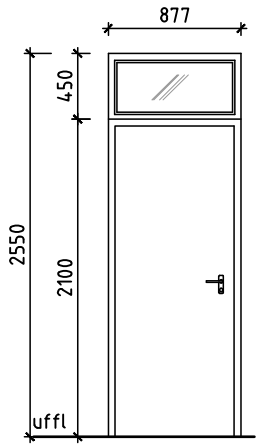
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING HOSTEL BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH (GIRLS HOSTEL)

TITLE: BLOCK D - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER PL250619	REVISION -

DOOR SCHEDULE

DOOR TYPE :		D04
LOCATION		Bedrooms -First Floor, Bathrooms - First Floor, Female Bathroom - Ground Floor



1:50 EXTERNAL ELEVATION

DOOR NO:	04	FRAME:	Sand, strip and clean existing timber door frames to prep for finish.
NO REQUIRED:	15		
DESCRIPTION:	Painted 40x877x2032mm masonite covered solid core door or equal and approved with hardwood edges to two sides.	DESCRIPTION:	108 x 70mm Meranti rebated door frame with anchored to brickwork 3 x.
FINISH:	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.	FINISH	Apply no2 coats Pink primer prior to door and existing door frame. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.
IRON MONGERY:	UNION AL8730AS aluminium, single or multitrack door stop with anodised silver finish. UNION mortice cylinder lockset comprising aluminium Waterbok handle on 150 x 50mm Oval backplate AL6W20-05AS with anodised silver finish , with Euro lock case L-22315-76SS (Standard) with stainless steel forend, Euro profile double cylinder 2x18SCMKD 66mm long, master keyed, with rebate conversion set 2799SC.	REMARKS:	Any minor damages to door and frame to be rectified. Remove all ironmongery during painting. Colour to Architect's approval Galvanised surfaces to be cleaned down, and painted External section of frame to be painted with bitumen primer.
		GLAZING:	6.38mm clear laminated safety glass to fixed fanlight.

GENERAL NOTES:

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7. All shopfront doors are to be AAAMSA approved.

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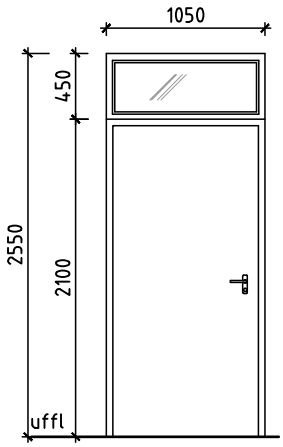
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING HOSTEL BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH (GIRLS HOSTEL)

TITLE: BLOCK D - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER PL250619	REVISION -

DOOR SCHEDULE

DOOR TYPE :		D05
LOCATION		Female Bathroom - Ground Floor, Paraplegic - Ground Floor



1:50 EXTERNAL ELEVATION

DOOR NO:	05	FRAME:	
NO REQUIRED:	03		
DESCRIPTION:	Painted 40x1050x2032mm masonite covered solid core door or equal and approved with hardwood edges to two sides.	DESCRIPTION:	1.2mm hot dipped galvanised mild steel standard double rebated metal doorframe. frame complete with 1 pair 100mm steel loose pin hinges, rubber door buffers set in frame.For 110 mm Plaster Both sides. Top hung, outward opening fanlight.
FINISH:	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.	FINISH	decrease galv frame with approved decreasing agent 1 coat universal undercoat 2 coats Plascon Velvaglo colour to architects approval
IRON MONGERY:	UNION AL8730AS aluminium, single or multitrack door stop with anodised silver finish. UNION mortice cylinder lockset comprising aluminium Waterbok handle on 150 x 50mm Oval backplate AL6W20-05AS with anodised silver finish , with Euro lock case L-22315-76SS (Standard) with stainless steel forend, Euro profile double cylinder 2x18SCMKD 66mm long, master keyed, with rebate conversion set 2799SC. UNION overhead rack and pinion hydraulic fixed power 732P EN3 Silver parallel arm overhead door closer, to internal door of width determined on site, suitable for minimum wall nib dimension 47mm.	REMARKS:	Any minor damages to door and frame to be rectified. Remove all ironmongery during painting. Colour to Architect's approval Galvanised surfaces to be cleaned down, and painted External section of frame to be painted with bitumen primer.
		GLAZING:	6.38mm clear laminated safety glass to fixed fanlight.

GENERAL NOTES:

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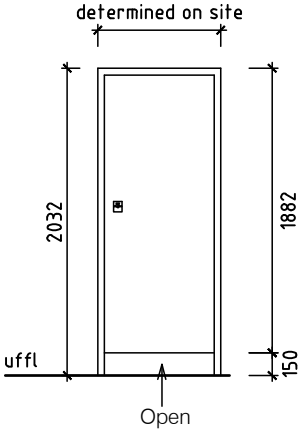
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING HOSTEL BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH (GIRLS HOSTEL)

TITLE: BLOCK D - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER PL250619	REVISION -

DOOR SCHEDULE

DOOR TYPE :		D06
LOCATION		Female Bathroom - Ground Floor and First Floor



DOOR NO:	06	FRAME:	
NO REQUIRED:	06		
DESCRIPTION:	Painted masonite covered solid–core door or equal and approved with hardwood edges to two sides.	GLAZING:	None
		DESCRIPTION:	1.2mm hot dipped galvanised mild steel standard double rebated metal doorframe. frame complete with 1 pair 100mm steel loose pin hinges, rubber door buffers set in frame.For 110 mm Plaster Both sides.
FINISH:	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.	FINISH	decrease galv frame with approved decreasing agent 1 coat universal undercoat 2 coatsPlascon Velvaglo colour to architects approval
IRON MONGERY:	Door to receive new UNION AL8098 surface mounted aluminium, single or multitrack indicator bolts with anodised silver finish.	REMARKS:	Any minor damages to door and frame to be rectified. Remove all ironmongery during painting. Colour to Architect's approval Galvanised surfaces to be cleaned down, and painted External section of frame to be painted with bitumen primer.

GENERAL NOTES:

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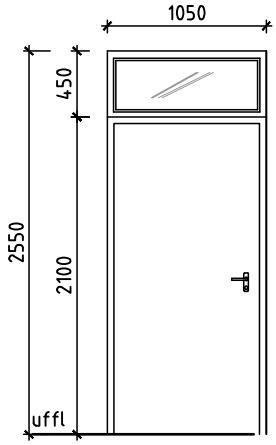
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING HOSTEL BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH (GIRLS HOSTEL)

TITLE: BLOCK D - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER PL250619	REVISION -

DOOR SCHEDULE

DOOR TYPE :		D07
LOCATION		Passages



1:50 EXTERNAL ELEVATION

DOOR NO:	07	FRAME:	
NO REQUIRED:	02		
DESCRIPTION:	Painted 40x1050x2032mm masonite covered solid core door or equal and approved with hardwood edges to two sides.	DESCRIPTION:	1.2mm hot dipped galvanised mild steel standard double rebated metal doorframe. frame complete with 1 pair 100mm steel loose pin hinges, rubber door buffers set in frame.For 110 mm Plaster Both sides.
FINISH:	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.	FINISH	decrease galv frame with approved decreasing agent 1 coat universal undercoat 2 coats Plascon Velvaglo colour to architects approval
IRON MONGERY:	UNION AL8730AS aluminium, single or multitrack door stop with anodised silver finish. UNION mortice cylinder lockset comprising aluminium Waterbok handle on 150 x 50mm Oval backplate AL6W20-05AS with anodised silver finish , with Euro lock case L-22315-76SS (Standard) with stainless steel forend, Euro profile double cylinder 2x18SCMKD 66mm long, master keyed, with rebate conversion set 2799SC.	REMARKS:	Any minor damages to door and frame to be rectified. Remove all ironmongery during painting. Colour to Architect's approval Galvanised surfaces to be cleaned down, and painted External section of frame to be painted with bitumen primer.
		GLAZING:	6.38mm clear laminated safety glass to fixed fanlight.

GENERAL NOTES:

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PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING HOSTEL BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH (GIRLS HOSTEL)

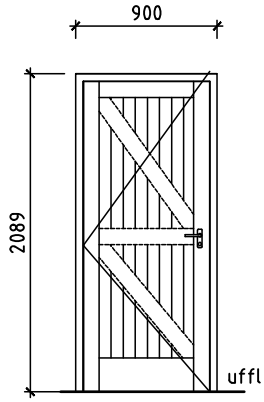
TITLE: BLOCK D - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER PL250619	REVISION -

DOOR SCHEDULE

DOOR TYPE :		D08
LOCATION		Stairs

OPENING



1:50 EXTERNAL ELEVATION

DOOR NO:	08	FRAME:	
NO REQUIRED:	02		
DESCRIPTION:	40x813x2030 Meranti framed, ledge, braced & batten single door inner edges of framing to be rebated.	GLAZING:	None
		DESCRIPTION:	1.2mm hot dipped galvanised mild steel standard double rebated metal doorframe. frame complete with 1 pair 100mm steel loose pin hinges, rubber door buffers set in frame.For 110 mm Plaster Both sides.
FINISH:	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.	FINISH	decrease galv frame with approved decreasing agent 1 coat universal undercoat 2 coats Plascon Velvaglo colour to architects approval
IRON MONGERY:	UNION mortice lockset comprising zinc Gower handle on 152 x 41mm rectangular backplate 682-24CH with chrome finish, 2 lever upright lock 2295-76SS (Standard) with stainless steel forend, keyed to differ (Standard), with rebate conversion set 2799SC.	REMARKS:	Any minor damages to door and frame to be rectified. Remove all ironmongery during painting. Colour to Architect's approval Galvanised surfaces to be cleaned down, and painted External section of frame to be painted with bitumen primer.

GENERAL NOTES:

1. Door swings & positions to be calculated from the floor plans
2. All dimensions and levels are to be checked on site by the contractor prior to construction
3. Any discrepancies on this drawing to be reported to the architect prior to placing orders & construction and/or manufacturing of door/frame
4. All aluminium & steel is to be isolated from one another to prevent galvanication
5. All quantities are to be checked on site by the contractor prior to placing orders
6. All undercutting of doors is to be calculated from mechanical detailed construction drawings
7. All shopfront doors are to be AAAMSA approved.

MASHA DESIGN GROUP
Architects & Urban Designers

Pty(Ltd): 2019/293991/07
28 Stewart Drive
Baysville
East London 5247
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132
www.mashadesigns.co.za
info@mashadesigns.co.za

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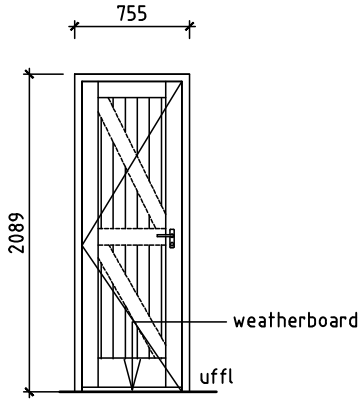
TITLE: BLOCK D - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER PL250619	REVISION -

DOOR SCHEDULE

DOOR TYPE :		D09
LOCATION		Duct

OPENING



1:50 EXTERNAL ELEVATION

DOOR NO:	09	FRAME:	
NO REQUIRED:	01		
DESCRIPTION:	40x813x2030 Meranti framed, ledge, braced & batten single door inner edges of framing to be rebated. Door to have meranti weatherboard to external face fixed with countersunk ss screws.	GLAZING:	None
		DESCRIPTION:	1.2mm hot dipped galvanised mild steel standard double rebated metal doorframe. frame complete with 1 pair 100mm steel loose pin hinges, rubber door buffers set in frame.For 110 mm Plaster Both sides.
FINISH:	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.	FINISH	decrease galv frame with approved decreasing agent 1 coat universal undercoat 2 coats Plascon Velvaglo colour to architects approval
IRON MONGERY:	UNION mortice lockset comprising zinc Gower handle on 152 x 41mm rectangular backplate 682-24CH with chrome finish, 2 lever upright lock 2295-76SS (Standard) with stainless steel forend, keyed to differ (Standard), with rebate conversion set 2799SC.	REMARKS:	Any minor damages to door and frame to be rectified. Remove all ironmongery during painting. Colour to Architect's approval Galvanised surfaces to be cleaned down, and painted External section of frame to be painted with bitumen primer.

GENERAL NOTES:

1. Door swings & positions to be calculated from the floor plans
2. All dimensions and levels are to be checked on site by the contractor prior to construction
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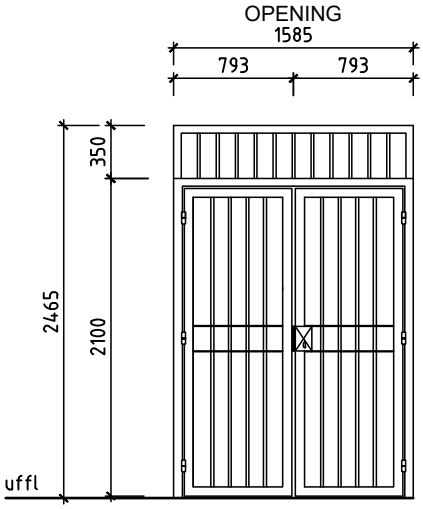
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING HOSTEL BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH (GIRLS HOSTEL)

TITLE: BLOCK D - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER	DATE	SCALE
2025-06	19/06/2025	1:50
	DRAWING NUMBER: PL250619	REVISION: -

GATE SCHEDULE

GATE TYPE :		G01
LOCATION		Foyer 101, Foyer 112



1:50 EXTERNAL ELEVATION

DOOR NO:	01	FRAME:	
NO REQUIRED:	02		
DESCRIPTION:	Purpose-made gms gate. 50x25mm RHS GMS tubing frame with 25x25mm GMS square tubing horizontal brace and No. 6x 15mm square tubing vertical elements spaced equally between frame above and below horizontal brace. As indicated in diagram. Locking mechanism to Client's approval.	GLAZING:	None
		DESCRIPTION:	Purpose-made gms gate. 50x25mm RHS GMS tubing frame with 25x25mm GMS square tubing horizontal brace and No. 6x 15mm square tubing vertical elements spaced equally between frame above and below horizontal brace. As indicated in diagram. Locking mechanism to Client's approval.
FINISH:	Degrease galv. frame with approved degreasing agent 1 coat Plascon galvanized iron primer 2 coats Super Universal Enamel Colour to Architect's approval	FINISH	Degrease galv. frame with approved degreasing agent 1 coat Plascon galvanized iron primer 2 coats Super Universal Enamel Colour to Architect's approval
IRON MONGERY:	To be finalised	REMARKS:	Galvanised surfaces to be cleaned down, and painted.

GENERAL NOTES:
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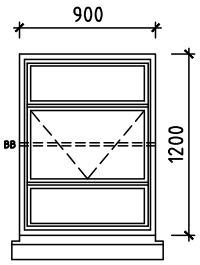
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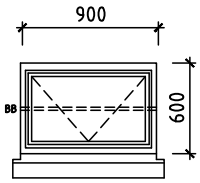
TITLE: BLOCK D - WORKING DRAWINGS -GATE SCHEDULES

PROJECT NUMBER 2025-06	DATE 25/02/2025	SCALE 1:50
	DRAWING NUMBER PL250619	REVISION -

WINDOW SCHEDULE

WINDOW TYPE :	W01	WINDOW TYPE :	W02
LOCATION :	Bedrooms 103-112,116,117,203-213,215,216	LOCATION :	Kitchen 115, 117, 215, 216





WINDOW NO:	01	WINDOW NO:	02
NO REQUIRED:	26	NO REQUIRED:	20
DESCRIPTION:	Outward opening out top hung aluminium window frame profile to match existing as supplied by manufacturer.Aluminum burglar bars.	DESCRIPTION:	Outward opening out top hung aluminium window frame profile to match existing as supplied by manufacturer.Aluminum burglar bars.
FINISH:	Powder coated finish to architect and client approval.	FINISH:	Powder coated finish to architect and client approval.
GLAZING:	6mm clear laminated safety glass,to comply with Part NN3 of S.A.B.S. 0400 - 1990.	GLAZING:	6mm clear laminated safety glass,to comply with Part NN3 of S.A.B.S. 0400 - 1990.
REMARKS:	Any minor damages to window and frame to be reported to client immediately once spotted. Plastic protection to be removed once window has been installed.	REMARKS:	Any minor damages to window and frame to be reported to client immediately once spotted. Plastic protection to be removed once window has been installed.

GENERAL NOTES:

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Baysville
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info@mashadesigns.co.za

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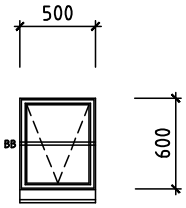
TITLE: BLOCK D - WORKING DRAWINGS - WINDOW SCHEDULES

PROJECT NUMBER	DATE 25/02/2025	SCALE 1:50
2025-06	DRAWING NUMBER PL250619	REVISION -

WINDOW SCHEDULE

WINDOW TYPE :	W03	WINDOW TYPE :	W04
LOCATION :	Stairs 114,119,201,213	LOCATION :	Male, Female Bathroom 115,1116,215,216





WINDOW NO:	03	WINDOW NO:	04
NO REQUIRED:	06	NO REQUIRED:	08
DESCRIPTION:	Fixed aluminium window frame profile to match existing as supplied by manufacturer.	DESCRIPTION:	Outward opening out top hung aluminium window frame profile to match existing as supplied by manufacturer.Aluminum burglar bars.
FINISH:	Powder coated finish to architect and client approval.	FINISH:	Powder coated finish to architect and client approval.
GLAZING:	6mm clear laminated safety glass,to comply with Part NN3 of S.A.B.S. 0400 - 1990.	GLAZING:	6mm clear laminated safety glass,to comply with Part NN3 of S.A.B.S. 0400 - 1990.
REMARKS:	Any minor damages to window and frame to be reported to client immediately once spotted. Plastic protection to be removed once window has been installed.	REMARKS:	Any minor damages to window and frame to be reported to client immediately once spotted. Plastic protection to be removed once window has been installed.

GENERAL NOTES:

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TITLE: BLOCK D - WORKING DRAWINGS - WINDOW SCHEDULES

PROJECT NUMBER	DATE 25/02/2025	SCALE 1:50
2025-06	DRAWING NUMBER PL250619	REVISION -

BLOCK 'D'

FINISHING SCHEDULE 1F

	Foyer 101/112	Passage 102	Kitchenette 102	Bedrooms 103-117	Bathrooms 115/16	Stairs 113/118	Store 119/120	Stairs 201/213	Passage 202	Kitchenette 202	Bedrooms 203-2117	Bathrooms 215/216	Stairs 201/213			
FLOORS	Ground Storey							First Storey								
EXISTING CONCRETE SLAB: to be checked for defects and rehabilitated as per engineer's details																
VINYL TILES: remove existing vinyl finish and strip off fixing material. Install new 300 X 300 X 2.0 mm thick Marley Superflex fully flexible homogeneous vinyl sheeting, fully bonded on smooth screed with heat-welded joints. Skirting: 19x76mm Meranti skirting with 19mm quarter round Prepare, knot and finish 2 coats clear eggshell poly-urethane varnish sanding lightly between coats																
PORCELAIN TILES: remove existing tiles and Install 8.5mm thick Approved "Starline"300x300mm Non-slip Porcelain Tile 2 with 3mm joints and layered level with continuous joints according to manufacturer's specification. Tile joints to be neatly flush-pointed with 'TAL EPOXY GROUT' to manufacturer's specifications Sikirting: 300x300mm matching Tile																
PAVING: existing 220 X 110 X 50 mm interlocking concrete pavers or similar approved to be pressure cleaned and sealed to specialist detail. All floors to be sloped towards existing floor drains. Engineer to confirm floor status prior.																
CONCRETE PAVING: existing 500 X 500 X 50 mm concrete pavers or similar approved to be pressure cleaned and sealed to specialist detail. All floors to be sloped towards existing floor drains. Engineer to confirm floor status prior.																
CARPET: Prepare screed for new Belgotex Berber Point 920 heavy-duty commercial carpet tiles, 500x500mm, tufted loop pile, ±5mm pile height, bitumen-backed, colour selected by architect. Laid with Belgotex-approved adhesive on smooth level screed.																
WALLS																
EXISTING WALL PLASTER: to be checked for defects and the structure to be rehabilitated as per engineer's details																
EXISTING PAINTED WALLS: Chip off all existing plaster and replaster and make good to finish. Apply 1x coat approved plaster primer. Apply 2-3x matt acrylic pva paint as per approved manufacturer's specification. Provide 1x coat alkaline resistant 100% pure acrylic fillercoat for all kitchens & Ablutions. Spread rate 6 square meters per liter.																
EXISTING FACEBRICK WALLS: Clean with Clean with Medium Duty Solvent Detergent solution to remove all contaminations and chalked material. Rinse with clean water to remove all Detergent traces. Apply 1x coat approved primer. Apply 2-3x Water Based Polyurethane Coating as per approved manufacturer's specification																
EXISTING FACEBRICK WALLS: New plaster over existing facebrick and make good to finish. Apply 2-3x Water Based Polyurethane Coating as per approved manufacturer's specification																

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Pty(Ltd): 2019/293991/07
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132

www.mashadesigns.co.za • sithembele@mashadesigns.co.za

PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING CLASSROOM BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

TITLE: BLOCK D & E WORKING DRAWINGS - FINISHING SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER FL01-01	REVISION -

BLOCK 'D'

FINISHING SCHEDULE 2F

	Foyer 101/112	Passage 102	Kitchenette 102	Bedrooms 103-117	Bathrooms 115/16	Stairs 113/118	Store 119/120	Stairs 201/213	Passage 202	Kitchenette 202	Bedrooms 203-2117	Bathrooms 215/216	Stairs 201/213			
	Ground Storey							First Storey								
WALLS																
EXISTING TIMBER CLADDING remove existing wood pane cladding, sand down flaking wood treatment, clean dust and debris on wool, apply oil paint suitable for interior wood allow to dry, sand won lightly and apply 2 x Coats and bring to a neat finish. Colour: To client approval																
SPLASHBACK TILES: remove all existing splashbacks tiles and replace with WHITE GLAZED TILES: Matt white glazed ceramic wall tiles size 200x200x6,5mm thick, fixed to existing plaster with approved tile adhesive. 3mm joints continuous in both directions and flush pointed grout. 3x row splashback above whb/sink, countertop.			▨		▨					▨		▨				
WALL TILES: remove all existing wall tiles and replace with WHITE GLAZED TILES: Matt white glazed ceramic wall tiles size 200x200x6,5mm thick, fixed to existing plaster with approved tile adhesive. 3mm joints continuous in both directions and flush pointed grout. Wall tiles to height of 2.1m																
SKIRTING AND WALL TRIMMING																
TIMBER WALL SKIRTING: 19x76mm Meranti skirting with 19mm quarter round. Prepare, knot and finish 1x coat Plascon wall & all to all surfaces, edges and ends. Apply second coat Plascon wall & all once skirting is in place		▨	▨	▨		▨	▨	▨	▨	▨		▨	▨			
TILE SKIRTING: 150mm high x 12mm thick Approved PORCELAIN TILE (R10–R11 slip rating) tile with rounded top edge and smooth transitions with 3mm joints and layered level with continuous joints matching floor. Joints to be neatly flush-pointed with 'TAL EPOXY GROUT' to manufacturer's specifications, Tile to match Wall tile (if applicable)					▨						▨					
POWER SKIRTING: As recommended by the Electrical Consultant																
TIMBER DADO RAIL: 150 x 25 mm hardwood timber dado rail fixed at 900 mm above FFL, top edge rounded 10 mm radius, securely fixed at 400 mm c/c with countersunk screws, sanded smooth and finished with wood primer, undercoat, and 2 coats Plascon wall & all paint																
WALL CORNER PROTECTION: remove all galvanised wall corner prtotectors. Fit 50x50x2mm thick approved aluminium corner wall protection as per manufacturers specification. Corner protection from 150mm up to 750mm, with pre-drilled fixing holes																
CEILING																
Gypsum 12mm Thick "Rhinoboard" nail up ceiling complete with Meranti cover strips and Gypsum 70mm Cornice on 38 x 38mm S. A. Pine brandering at 380mm centres fixed with clout nails in accordance to manufactures specification. PAINT FINISH: Primer Coat - Apply 1 coat Plascon Professional Gypsum & Plaster Primer (PP700) & 2x top coats Plascon PVA or similar approved. SHADOWLINE TRIMMING: Pelican SHADOWLINE Plaster Trims PS2, PS3 & PS4 or similar approved. Supply and fit white epoxy coated aluminium with 5mmx25mm anchors at 450mm c/c								▨	▨	▨	▨		▨			

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PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING CLASSROOM BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

TITLE: BLOCK D & E WORKING DRAWINGS - FINISHING SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER FL01-02	REVISION -

BLOCK 'D'

FINISHING SCHEDULE 3F

	Foyer 101/112	Passage 102	Kitchenette 102	Bedrooms 103-117	Bathrooms 115/16	Stairs 113/118	Store 119/120	Stairs 201/213	Passage 202	Kitchenette 202	Bedrooms 203-2117	Bathrooms 215/216	Stairs 201/213			
	Ground Storey							First Storey								
CEILING																
CEILING: 6mm thick Nutec fibre cement board. Fixed to38x38mm timber branders at 380mm centres. PAINT FINISH: Primer Coat - Apply 1 coat Plascon Professional Gypsum & Plaster Primer (PP700) & 2xCoats PVA or similar approved WALL TRIMMING: Pelican SHADOWLINE Plaster Trims PS2, PS3 & PS4 or similar approved. Supply and fit white epoxy coated aluminium with 5mmx25mm anchors at 450mm c/c																
CONCRETE SOFFIT: Chip away loose plaste and flaking pait to soffit, apply sand cement mix to larger damaged areas and apply wood trowel to bring to a 10mm thick smooth even finish all around soffit, fill all cracks with Pollyfiller, sand down and bring to a smooth even finish with rounded cornice paint. Apply 1x coat approved plaster primer. Apply 2-3x matt acrylic pva paint as per approved manufacturer's specification. Provide 1x coat alkaline resistant 100% pure acrylic fillercoat for all kitchens & Ablutions. Spread rate 6 square meters per liter.																
SERVICES																
CO2 FIRE EXTINGUISHER - Fire Extinguisher 5kg CO2 fire extinguisher, size 181mm diameter x 416mm high (total mass: 8,00kg) 21A 144B fire rating at 1400KPa working pressure fitted with standard steel hook fixed to wall or steel stanchion																
ELECTRICAL - All existing connections to be confirmed by specialist.																
SANITARY WARE																
TAP - GROHE Euroeco Cosmopolitan T, Code 36265000 – chrome-plated self-closing cold-water tap, 7-sec shut-off (adjustable), 5.7 l/min flow limiter, vandal-resistant, SANS 1056 compliant.																
TAP - GROHE Eurosmart Single-Lever Mixer Tap, Model No. 32825000, cold water only, chrome-plated brass, lever handle, swivel spout, mounted at 850–900 mm AFFL, compliant with SANS 1825, suitable for special needs users																
TAP SHOWER HEAD- GROHE Product Code G-36321000G-36321000 4005176896552 Eurosmart Cosmopolitan Brass 20 mm 130 mm 60 mm T Public Taps Colour: Chrome Tempesta Cosmopolitan 100 Description: GROHE Rain 0^2, Rain, Massage ball joint 15deg rotatable shower arm with connection thread 1/2 escutcheon GROHE DreamSpray perfect spray pattern GROHE Long-Life chrome finish SpeedClean anti-lime system Inner WaterGuide for a longer life suitable for instantaneous heaterG-26090001 G-26090001 4005176443992 (l) 150mm x (w) 100mm x (h) 115mm																

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PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING CLASSROOM BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

TITLE: BLOCK D & E WORKING DRAWINGS - FINISHING SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER FL01-05	REVISION -

BLOCK 'D'

FINISHING SCHEDULE 4F

SANITARY WARE

	Foyer 101/112	Passage 102	Kitchenette 102	Bedrooms 103-117	Bathrooms 115/16	Stairs 113/118	Store 119/120	Stairs 201/213	Passage 202	Kitchenette 202	Bedrooms 203-2117	Bathrooms 215/216	Stairs 201/213			
	Ground Storey							First Storey								
PARAPLEGIC ABLUTION: BASIN - Wall Mounted Basin: Vaal Sanitary ware vitreous china 610 x 460mm rectangular "Concorde 610" basin with three semi-punched tapholes (ie available in zero,one,two or three taphole configurations), intergrated overflow, and chainstay hole through the centre semi-punched taphole. Cobra Watertech Elbow action pillar tap square type with blue indice. ¼ turn ceramic disc. ½" BSP male connection inlets. SANS 226 TYPE 2. - For cold water. Fitting sundry Vaal Universal half pedestal and hanger mechanism (code: 715221) Paraplegic Grab rails WC - Vaal Sanitaryware vitreous china "Orchid Wall Hung Pan" top or back inlet 90° , outlet open rim wash down pan and matching 9 litre cistern complete with lid, fitments. purpose made C.P. side-flush lever (left or right) Supplied with purpose made urea seat and cover plate. 32mm outside diameter approved Stainless Steel side grab rail and back grab rail for paraplegic toilet.																
HAND BASIN: Vaal Sanitaryware white Bantam (code 7030) 455mm x 290mm ceramic fireclay heavy duty basin, colour white, on cast iron semi concealed brackets, complete with 32mm CP brass screwed waste fitting, plug, and chain. Cobra Watertech 32mm chrome plated deep seal bottle trap with outlet for 50mm PVC.																
WC: Vaal Sanitaryware "Hibiscus" close coupled 90° outlet complete with lid and fitments. Top dual flush suite (code 772656).																
URINAL - Vaal Sanitary ware 600x385x380mm Flatback wall hung bowl urinal with back inlet urinal including 38mm chromium plated domical grating and spreader, Cobra Watertech Cobratron flush valve ½ inch bsp FI (Code: EL-3004), manufactured in accordance to SANS 1808-35:2004. Cobra Watertech c.p. top inlet spreader (code 8543Z0), and two hangar brackets (code 8127Z0). Cobra Watertech 32mm c.p deep seal bottle trap with outlet for 50mm PVC.																
KITCHEN SINK: Single bowl sink: Franke Drop-In Single Bowl Sink, Model EZS804NB or equal, 559mm x 635mm, 203mm deep, 20-gauge 304 stainless steel, top mount, 4 faucet holes, center waste outlet, sound-deadening pads. For 686mm cabinet. Include clips.																

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Architects & Urban Designers

Pty(Ltd): 2019/293991/07
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132

www.mashadesigns.co.za • sithembele@mashadesigns.co.za

PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING CLASSROOM BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

TITLE: BLOCK D & E WORKING DRAWINGS - FINISHING SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER FL01-04	REVISION -

BLOCK 'D'

FINISHING SCHEDULE 5F

SANITARY WARE	Foyer 101/112	Passage 102	Kitchenette 102	Bedrooms 103-117	Bathrooms 115/16	Stairs 113/118	Store 119/120	Stairs 201/213	Passage 202	Kitchenette 202	Bedrooms 203-2117	Bathrooms 215/216	Stairs 201/213			
	Ground Storey							First Storey								
MIRROR - 6mm thick 400x600mm high mirror glass with polished edges all round with anti-shatter adhesive safety film fixed with 4x stainless steel tamper proof dome cap screws.																
TOWEL RAIL - 19mm Diameter chromium plated on steel towel rail. 900mm long with pair of chromium plated flanged wall brackets screwed to plugs in wall.																
SANITARY WARE																
SOAP DISPENSER: Franke STRX618 or other approved surface mounted satin finish stainless steel soap dispenser size 100 x 134 x 304mm high overall, manufactured with 1,2 or 1,5mm thickness material, soap dispenser incorporates a replaceable and refillable one litre container which is suitable for liquid and antiseptic soaps and lotions, with and including cylinder lock, Franke or other approved standard key and mounting kit.																
TOILET ROLL HOLDER: Franke Stratos STRX 672 or other approved 1,5mm thick grade 304 18/10 satin finish stainless steel toilet roll holders (code: 359716), size 304 x 156 x 140,7mm deep overall for 2 rolls maximum 108mm diameter with spindle system and cylinder lock with standard Franke or other approved key, plugged and screwed to the wall with stainless steel screws and installation to be as per manufactures detailed instructions..																
PAPER TOWEL DISPENSER: Franke Stratos STRX600 or other approved 1,2 or 1,5mm thick satin finished stainless steel paper towel dispenser (code: 2120038), size 300 x 134 x 305mm high with a capacity of 300-400 towels and cylinder lock with standard key, plugged and screwed to the wall with stainless steel screws and installation to be as per manufactures detailed instructions.																
WASTE BIN: Franke Exos 605 or other approved grade 304 18/10 satin finish stainless steel waste bin (code: 2120155), size 300 x 790 x 251mm deep overall with thirty litre capacity, plugged and screwed to the wall with stainless steel screws and installation to be as per manufactures detailed instructions, as per Architects sanitary schedule drawing 3005 issued with these Bills of Quantities.																
TOILET BRUSH HOLDER: Plumline Mahale or other approved polished chrome toilet brush holder, overall size 114mm x 133mm x 369mm high (code: 035683), plugged and screwed to walls with stainless steel screws and installation to be as per manufactures detailed instructions.																

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TITLE: BLOCK D & E WORKING DRAWINGS - FINISHING SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER FL01-05	REVISION -

BLOCK 'D'

FINISHING SCHEDULE 6F

	Foyer 101/112	Passage 102	Kitchenette 102	Bedrooms 103-117	Bathrooms 115/16	Stairs 113/118	Store 119/120	Stairs 201/213	Passage 202	Kitchenette 202	Bedrooms 203-2117	Bathrooms 215/216	Stairs 201/213			
	Ground Storey							First Storey								
PARAPLEGIC GRAB RAIL: Franke CNTXPAR or other approved 32mm diameter grade 304 18/10 satin finish stainless steel SABS approved dog leg paraplegic grab rail with and includes screws and dowels, as per Architects sanitary schedule drawing 3005 issued with these Bills of Quantities.																
CISTERN BACK RAIL - Franke CNTXBR or other approved 32mm diameter grade 304 18/10 satin finish stainless steel SABS approved cistern and flush valve back rail with and includes screws and dowels.																
ACCESSORIES																
PINBOARDS: 2400 x 1140 Wall mounted pinboard with 19x45mm Saligna surround planed and filleted as shown with all corners neatly mitred. Fix surround to wall with screws at 300mm c/c, countersunk and pelleted. 10mm Softboard in long lengths glued to wall with contact adhesive. Finish with two coats eggshell polyurethane varnish.																
CHALKBOARDS: 2400 x 1140 approved Wall mounted Chalkboards to comply with C.K.S.-36-1980 complete with chalk rail as one unit. Fix to wall with, countersunk and pelleted screws.																
SMART BOARDS: Parrot products - IWB – 78" Multi Touch Interactive Board or similar approved. Fitted to wall as recommended by manufacturer. Installation height of min. 1800mm																
WHITE BOARDS: Parrot products -Whiteboard 2400x1200mm - (Magnetic) or similar approved. Supplied with pentray and mounting brackets by manufacturer. Installation height of min. 900mm																
CLOTHES HOOKS: 2 No. Dorma stainless steel hat and coat hook without rubber buffer, Code DHC-SS-030-A, fixed to 220x100x22mm meranti blocking piece with chamfered edges and varnish finish, fixed and plugged to wall.																
WINDOW BLINDS: Windovert vertical blind with 90mm wide vanes, Colour to be specified, size (Refer to plan and window schedule), with 46mm wide x 25mm high top track powder-coated in colour white, face-fixed with clip-on brackets.																
WASTE BIN: Freestanding waste bin, 30–45L capacity, heavy-duty polypropylene or powder-coated steel, ±350mm Ø x 600mm H, with optional flat lid, fire-retardant, non-slip base.																

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TITLE: BLOCK D & E WORKING DRAWINGS - FINISHING SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER FL01-06	REVISION -

BLOCK 'D'

FINISHING SCHEDULE 7F

	Foyer 101/112	Passage 102	Kitchenette 102	Bedrooms 103-117	Bathrooms 115/16	Stairs 113/118	Store 119/120	Stairs 201/213	Passage 202	Kitchenette 202	Bedrooms 203-2117	Bathrooms 215/216	Stairs 201/213			
SIGNAGE	Ground Storey							First Storey								
ROOM SIGNAGE: 2mm thick mill finish Aluminium signage plates, Size 500mm long x 100mm high overall, Engraved in 40mm Black Arial bold upper case font lettering, Four times drilled for and screwed and plugged to brick wall, steel with tamper-proof screws.																
GENERAL INFORMATION SIGNS: Fire signage as per fire escape drawing.																
STANDARD ABLUTION SIGNS: Ablution signage as per specialist detail.																
JOINERY																
ADJUSTABLE SHELVES: 'Acrow' System by specialist with a standard frameworks and adjustable panels and shelving boards or similar approved. Final configurations to be determined by end user. (colour - white)																
CABINETS: WORKTOPS: 30mm square edge 'Rustenberg' graniteworktop, by specialist WORKTOP COLOUR: _____ CUPBOARD: CUPBOARD CARCASS 16mm BisonBord 'V313' moisture resistant particleboard with Melamine finish to all surfaces and 2mm high impact edging CUPBOARD DOORS: 16mm BisonBord 'V313' moisture resistant particleboard with Melamine finish to all surfaces and 2mm high impact edging CUPBOARD IRONMONGERY: HANDLES -100mm concealed handle - Gelmar (BSN 8227) or similar HINGES - Slide-on 110 degree hinge with0mm cranking - 2 per door - Gelmar (180) or similar LOCKS - Cam-lock, keyed alike - 1 per door - Gelmar (9041) or similar approved DRAWERS - 16mm BisonBord 'V313' moisture resistant particleboard with Melamine finish to all surfaces and 2mm high impact edging. DRAWERS IRONMONGERY: SLIDES - 500mm telescopic ball bearing drawer runners or similar HANDLES - 100mm Concealed handles - Gelmar (BSN 8227) or similar LOCKS - Cam-lock, keyed alike - 1 / door - Gelmar (9045) or similar SHELVING BOARDS: 16mm BisonBord 'V313' moisture resistant particleboard with Melamine finish to all surfaces and 2mm high impact edging																

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TITLE: BLOCK D & E WORKING DRAWINGS - FINISHING SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER FL01-07	REVISION -

Accommodation Block Sanitary Fittings – Accessibility and General Fixtures

Paraplegic Grab Rails (Stainless Steel)

- **Cistern Grab Rail**: 750 mm long, Ø32 mm stainless steel tube, brushed finish. Fixed horizontally behind toilet cistern with stainless steel base plates and dome caps.
- **Side Grab Rail**: 600 mm long, Ø32 mm stainless steel tube, brushed finish. Fixed horizontally adjacent to WC pan at 800–850 mm AFFL.
- **Vertical Grab Rail**: 900 mm long, Ø32 mm stainless steel tube, brushed finish. Fixed vertically adjacent to WC or basin for support.
- **Shower Grab Rail**: 750 mm long, Ø32 mm stainless steel tube, brushed finish. Fixed horizontally inside shower cubicle at 800 mm AFFL.
- **Fixings**: Stainless steel base plates with concealed anchor bolts and dome caps.
- **Compliance**: All grab rails to comply with **SANS 10400-S** (Facilities for persons with disabilities).

Towel Rails (Round Type)

- Material: Mild steel tubing, Ø25 mm, hot-dip galvanised to SANS 121.
- Finish: Plascon Metalcare Zinc Phosphate Primer + Universal Undercoat + Metalcare Enamel (Gloss).
- Length: 600 mm standard.
- Fixing: Concealed stainless steel brackets with anchor bolts.
- Height: 1200 mm AFFL (to centreline).

Shower Curtain Rails & Curtains

- Rail: Mild steel round tube, Ø32 mm, hot-dip galvanised.
- Finish: Plascon Metalcare Enamel (Gloss).
- Curtain: Heavy-duty PVC, mildew-resistant, flame-retardant, washable.
- Size: 1800 × 1800 mm, reinforced eyelets at 150 mm centres.
- Hooks: Stainless steel roller hooks.

Toilet Roll Holders

- Material: Mild steel plate, hot-dip galvanised.
- Finish: Plascon Metalcare Enamel (Gloss).
- Type: Single spindle, lockable cover, concealed fixing plate.
- Height: 650 mm AFFL (to spindle centreline).

Ceramic Soap Holders

- Material: Heavy-duty glazed ceramic, wall-mounted.
- Size: 150 × 100 mm standard recess dish.

- Colour: White (or to architect’s schedule).
- Fixing: Concealed stainless steel brackets with anchor bolts.
- Height: 1100 mm AFFL (to centreline).

Frameless Mirrors with Dome Caps

- Material: 6 mm thick mirror glass, polished edges.
- Size: 600 × 450 mm standard (or to architect’s schedule).
- Backing: Moisture-resistant plywood backing board.
- Fixing: Stainless steel dome caps at corners, concealed brackets behind.
- Height: 1000 mm AFFL (to bottom edge).

Robe Hooks

- Material: Galvanised mild steel, Ø12 mm rod.
- Finish: Plascon Metalcare Enamel (Gloss).
- Fixing: Concealed screws with cover plates.
- Height: 1700 mm AFFL.

Accommodation Signage Block D or E

Project: Reubin Birin School for the Hearing Impaired – Girls or Boys Hostel

Location: Port Elizabeth, Eastern Cape

Date: 09 March 2026

External Signage

Item 1

Description: External Building Identification Sign

Quantity: 1 No.

Specification: Aluminium composite panel, 1200 × 600mm, raised tactile lettering 100mm high, powder-coated, UV-resistant, anti-graffiti finish. Content: “Girls Hostel – Reubin Birin School for the Hearing Impaired.”

Internal Room Identification

Item 2

Description: Bedroom Signs (Rooms 101–112, 201–212)

Quantity: 24 No.

Specification: Acrylic panel with aluminium backing, 200 × 150mm, raised tactile lettering 50mm high + Braille, matte finish. Content: “Bedroom [number].”

Item 3

Description: Bathroom Signs

Quantity: 4 No.

Specification: Same as above. Content: “Bathroom.”

Item 4

Description: Kitchen & Laundry Signs

Quantity: 2 No.

Specification: Same as above. Content: “Kitchen” / “Laundry.”

Item 5

Description: Common Room Sign

Quantity: 1 No.

Specification: Same as above. Content: “Common Room.”

Directional Signage

Item 6

Description: Corridor Junction Directional Signs

Quantity: 6 No.

Specification: Aluminium panel, 600 × 200mm, raised tactile lettering 70mm high, arrows + pictograms. Content: “Exit →”, “Dining Hall →”, “Recreation →”.

Item 7

Description: Staircase Directional Signs

Quantity: 2 No.

Specification: Same as above. Content: “Stairs →”.

Safety Signage

Item 8

Description: Exit Signs

Quantity: 4 No.

Specification: Photoluminescent aluminium, 400 × 150mm, green background, white lettering 100mm high. Mounted above doors at 2000mm AFFL.

Item 9

Description: Fire Equipment Signs

Quantity: 4 No.

Specification: Aluminium panel, 300 × 300mm, red background, extinguisher pictogram. Mounted adjacent to equipment.

Item 10

Description: Emergency Strobe Lights

Quantity: 6 No.

Specification: Flashing strobe lights integrated with fire alarm system. Mounted above doorways and corridor junctions.

Regulatory & Compliance Signage

Item 11

Description: Accessible Bathroom Signs

Quantity: 2 No.

Specification: Blue background, white pictogram (wheelchair), raised tactile lettering + Braille.

Item 12

Description: Restricted Area Signs (Maintenance/Store)

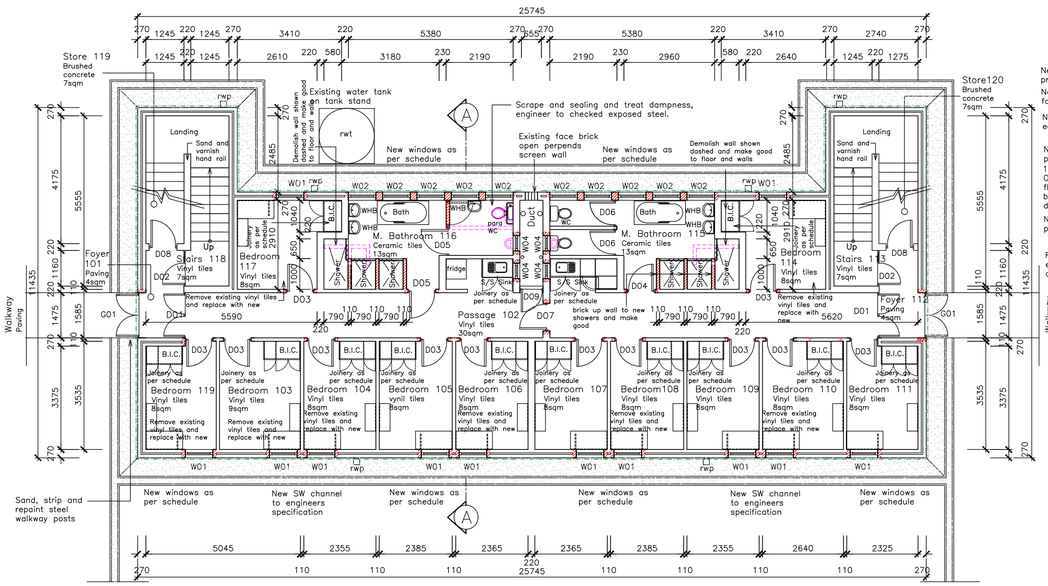
Quantity: 2 No.

Specification: Aluminium panel, 300 × 200mm, yellow background, black lettering. Content: “Authorised Personnel Only.”

Installation Notes

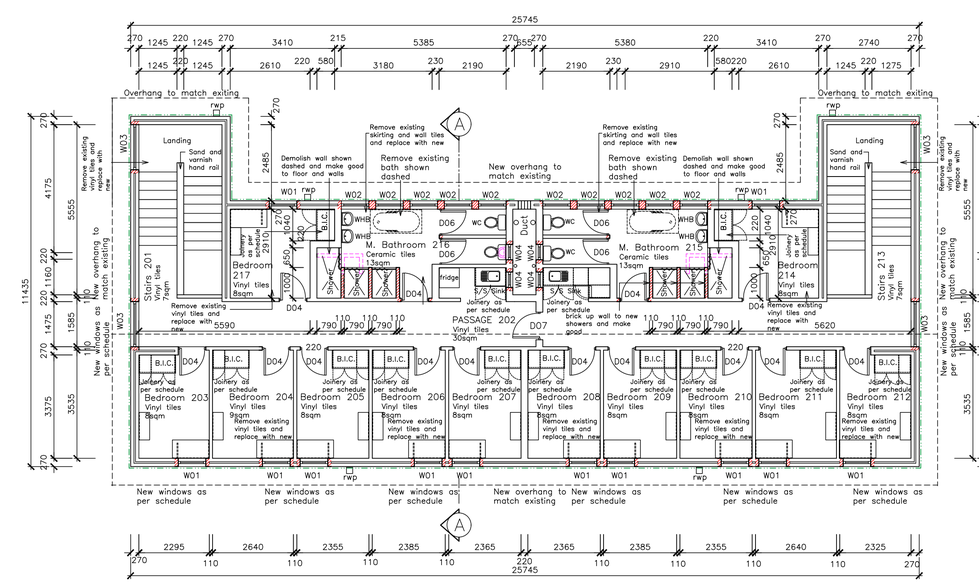
- Mounting height: 1400–1600mm AFFL for internal signs; 2000mm AFFL for exit signs.
- Fixings: Stainless steel screws, tamper-proof heads.
- Compliance: All signage to conform to SANS 1186 standards.

BLOCK E
(BOYS HOSTEL)



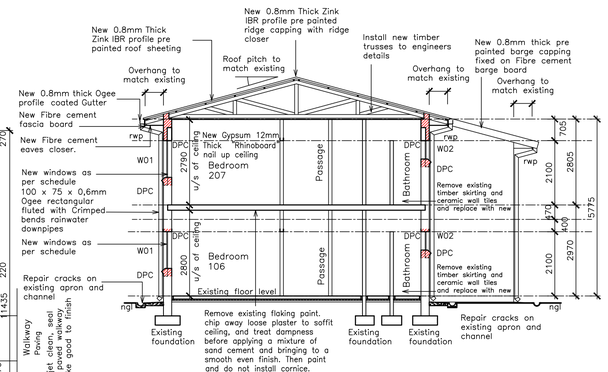
GROUND FLOOR PLAN

SCALE 1 : 100



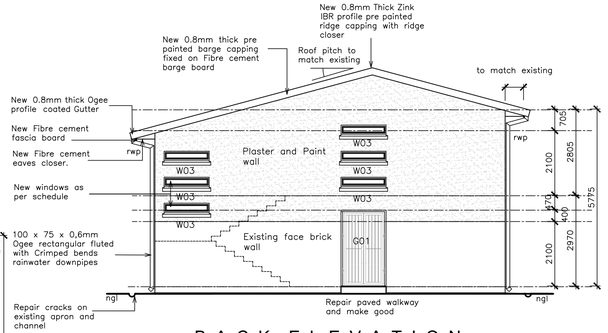
FIRST FLOOR PLAN

SCALE 1 : 100



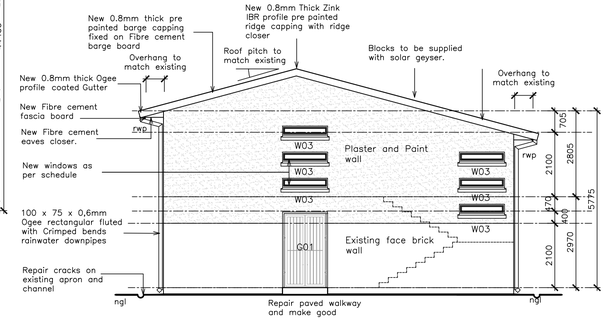
SECTION A-A

SCALE 1 : 100



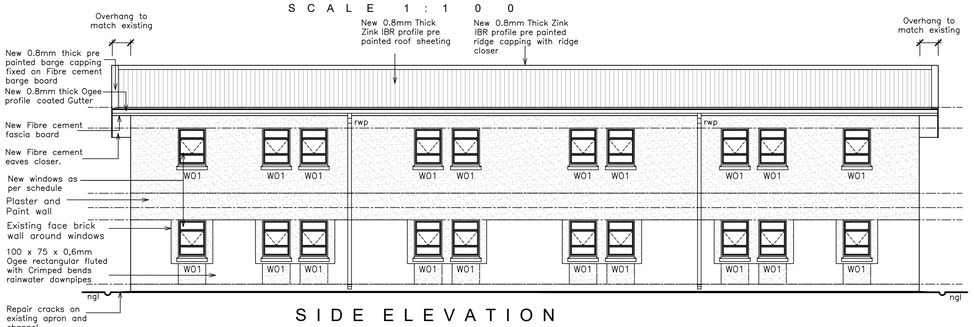
BACK ELEVATION

SCALE 1:100



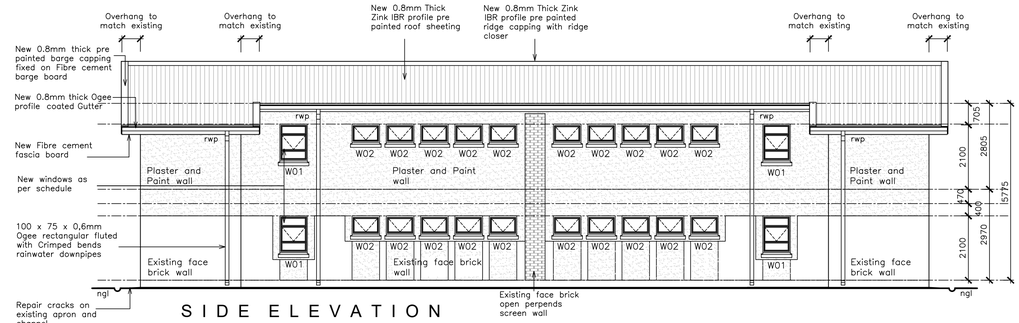
FRONT ELEVATION

SCALE 1:100



SIDE ELEVATION

SCALE 1:100



SIDE ELEVATION

SCALE 1:100

- ---------- Internal Plaster Walls: Chip existing plastor and replace with new Plaster & Paint.
- -·-·-·- External Plaster Walls: Demolish brick from wall plate to lintol height and build new plaster wall.
- -··-··- External Plaster Walls: Plaster existing wall full height with new plaster wall.

CONSTRUCTION NOTES:

ROOF: ON NEW TRUSSES
Carefully remove existing Asbestos roof sheeting and replace with new IBR 686, 0.8mm Thick Zincalume AZ150 profile longspan roof sheeting fitted with end flashing and "SONDOR' polyclosure on 75 x 50mm sap purlins at maximum 900mm centres fixed to 150x38mm sap rafters at max. 900mm cts, built into brickwork to slope as indicated on sections no less than minimum specified by roof sheeting manufacturer. Trusses to be tied down with 2mm galvanised wire built into brkwk 7 courses deep all as per Engineer/manufacturers specifications.

RAINWATER GOODS:
Carefully remove existing rain water goods and replace with new 150 x 125 x 0,8mm Ogee profile gutter thick coated internally and externally in colour to client approval with matching splashplate including cut and mitred angles covered with a mitre strip externally, stop ends riveted and all sealed on the inside with an approved silicone sealer, secured to bulinose metal roof sheets with brackets at using aluminium pop rivets. 100 x 75 x 0,6mm rectangular fluted with Crimped bends rainwater downpipes in colour to client approval fixed to wall with straps using nail plugs, with downpipes riveted and silicone sealed to gutter outlets, including all necessary bends, elbows, shoes etc. All applied by specialist strictly in accordance with manufacturers recommendations and specifications.

BARGE BOARD:
0.8mm thick barge capping 462mm girth, fixed to purlins with 220 x 15mm Fibre cement barge board under to manufacturers specification.

FASCIA:
Carefully remove existing fascia board and replace with new 12 x 225mm Pressed flat fascia, fixed to and including two 38 x 38mm batten rails between rafter feet, twice screwed with 12 x 40mm countersunk stainless steel screws at 900mm centres to support battens, fascia joint with PVC H–profile fascia joiner between boards and PVC H–profile fascia corner joiners at angles.

EAVES:
Remove existing eaves and fix in position new 6mm thick Nutec fibre cement board eave closure. Fixed to 50x38mm timber frame fixed to the underside of chambered level bottom rafter eaves end and on wall or racked to the underside of rafter with Meranti cover and edging cover strips. All to manufacturers specifications.

CEILING: NAIL UP CEILING
Remove existing ceiling and cornice, replace with new Gypsum 12mm Thick "Rhinoboard" nail up ceiling complete with Meranti cover strips and Gypsum 70mm Cornice on 38 x 38mm S. A. Pine brandering at 380mm centres fixed with clout nails and nail heads in accordance to manufactures specification.

CEILING: EXISTING SOFFIT
Remove existing flaking paint. chip away loose plaster treat dampness to soffit ceiling, apply a mixture of sand cement and bring to a smooth even finish, fill all cracks with polly filler, sand down to a smooth finish to receive 2 x Coats of approved soffit ceiling paint.

WALLS: EXISTING
All existing plastered walls of entire dwelling to be inspected and cracks, blemishes, openings made good and all painted as per Plascon paints recommended systems of preparation and painting for existing walls. STRUCTURAL PROBLEMS TO BE ADVISED BY STRUCTURAL ENGINEER.
ALL PLUMBING AND ELECTRICAL CHASING TO BE COMPLETED BEFORE ANY PLASTER WORK IS COMMENCED.

WALL: NEW
Wall thicknesses as per floor plans with 15mm smooth plaster and paint internally and externally as indicated. ALL PLUMBING AND ELECTRICAL CHASING TO BE COMPLETED BEFORE ANY PLASTER WORK IS COMMENCED. Brikgrip strip dpc laid at level of top of surface bed, with brickforce every fourth course and wall ties 5/m². Plastered walls to be filled and prepared for painting and to receive 3x coats 'Plascon' paint as specified in Paint Finishes. All by specialist strictly in accordance with manufacturers recommendations and specifications.

ALUMINIUM WINDOWS:
Carefully remove existing steel windows, prepare opening to receive new windows. All windows to fit OPENINGS as indicated on plan and elevation including plugging to wall at bottom sides, reinstate DPC to sides and cill. Windows manufactured and installed by specialist with clear glazing and opaque glazing to Ablutions to NBR as required.
Refer to window schedules.

DOORS: GENERALLY
All doors to fit OPENINGS as indicated on plan and elevation. Doors manufactured and installed by specialist with clear glazing to NBR as required. New frames to be anchored at least 3 x to wall with approved anchored to stiles. Back of galvanised steel frames stiles anchored to be embedded into brickwork to be coated with bitumen sealant and void filled with concrete. Refer to door schedules.

SKIRTINGS: GENERALLY
Remove and replace all with new 70 x 19mm hollow backed meranti skirting. Apply 1x coat Plascon sealer to all surfaces, edges and ends. Apply second coat Plascon sealer once skirting is in place.

PLUMBING:
Inspect, unblock, refurbish and upgrade existing sewer system and Connect to municipal sewer as per the approval of the local municipal authority. All to ENGINEERS DETAILS.

FOUNDATIONS: EXISTING
All existing foundations are to be checked by ENGINEER for structural integrity and to be certified as acceptable for any necessary additions before any construction occurs.

PAINTING:
Paint to be as specified or to be equal and approved by Architect/Client. All walls to be moisture tested before any painting commences. 1m² colour sample panels to be fully primed and painted as a sample for approval, internally and externally before remainder of painting commences.

PAINT AND TILING FINISHES:
All surfaces to be clean and dry, free of flaking or oily deposits prior to painting commencing as per manufacturers recommendations. all plastered walls internally and externally to be filled and sanded after undercoat where plaster deficiencies occur.

External walls:
Undercoat and wall preparation all as per manufacturer's specifications. Thereafter 2x coats Plascon 'Wall and All'

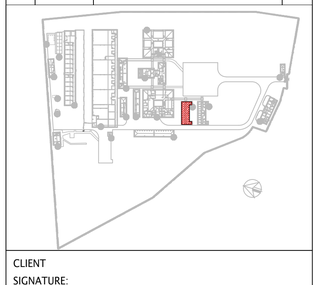
Internal walls: Generally
Undercoat and wall preparation all as per manufacturer's specifications. Thereafter, 2x coats Plascon 'Wall and All'

Ablution Walls:
Ceramic wall tiles from floor level to u/s ceiling generally. Undercoat and wall preparation all as per manufacturer's specifications. Thereafter 2x coats Plascon 'Wall and All' to u/s ceiling. All to Owner's approval.

Ceilings and Cornices:
Undercoat and preparation to manufacturer's specifications and recommendations. Thereafter 2x coats Plascon Polvin Acrylic PVA

All materials to be applied to manufacturers specifications and recommendations. ALL COLOURS TO OWNERS APPROVAL

REVISIONS:



CLIENT
SIGNATURE:

Province of the EASTERN CAPE EDUCATION

IMPLEMENTING AGENT
SIGNATURE:

DEET
DISABILITY ECONOMIC EMPOWERMENT TRUST

MASHA DESIGN GROUP
Architects & Urban Designers

CONSORTIUM
SIGNATURE:

ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

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Berea
East London
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PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED. (BOYS HOSTEL)

TITLE BLOCK E GROUND, FIRST, SEC. ELEVATIONS

SCALE	DRAWN
1:100	C QWESHA/S. NGAMLANA
DESIGNED	CHECKED
S Maselwa	S Maselwa

PROJECT NUMBER	DATE	
2025-06-19	25/02/2026	
	DRAWING NUMBER	REVISION
	PL 100	Rev 0

NOTES FOR THE JOINERY

1. 32mm post formed 'Formica' worktop, Squareline profile on Bisonboard 'V313' high moisture resistant particleboard.
WORKTOP COLOUR: Charcoal

2. 16mm BisonBord 'V313' with Melamine finish to all surfaces and 2mm high impact edging
CARCASS COLOUR: White
EDGING COLOUR: White
P.V.C fixing brackets and stainless steel screws.

3. 150mm high Mosaic tiles above worktops fixed to walls with straight joints in both directions with the recommended Ceresit Tylon adhesive and flush pointed with Ceresit Tylon 33 white grout.

4. 2mm brushed stainless steel (satin finish) kick plate.

5. 16mm BisonBord 'V313' with Melamine finish to all surfaces and 2mm high impact edging
CUPBOARD COLOUR: White

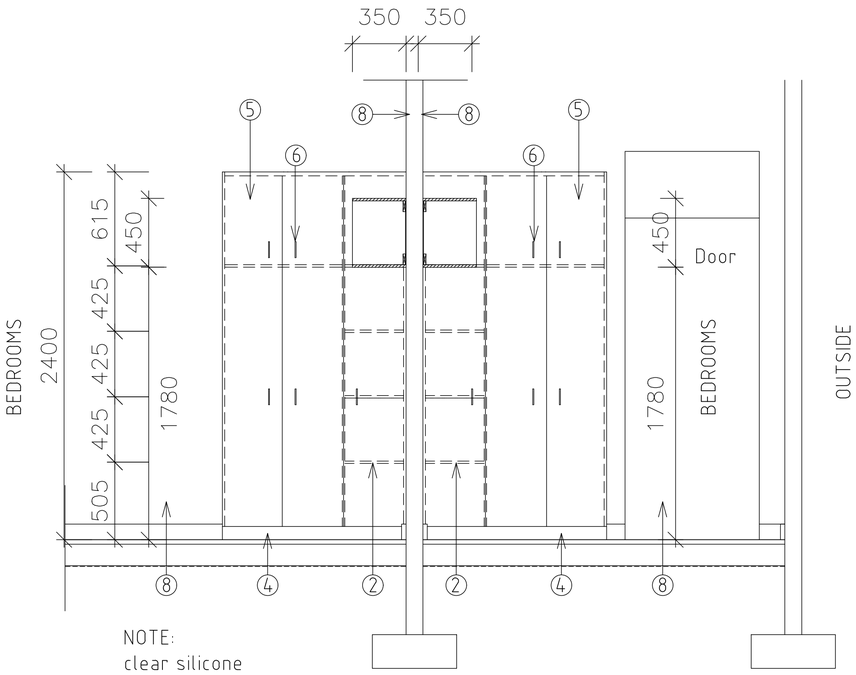
6. 100mm concealed handle - Gelmar (code BSN 8227) or similar approved

7. 85x25mm sap blocking piece at max. 400mm cc fixed to wall and skirting forming cupboard base

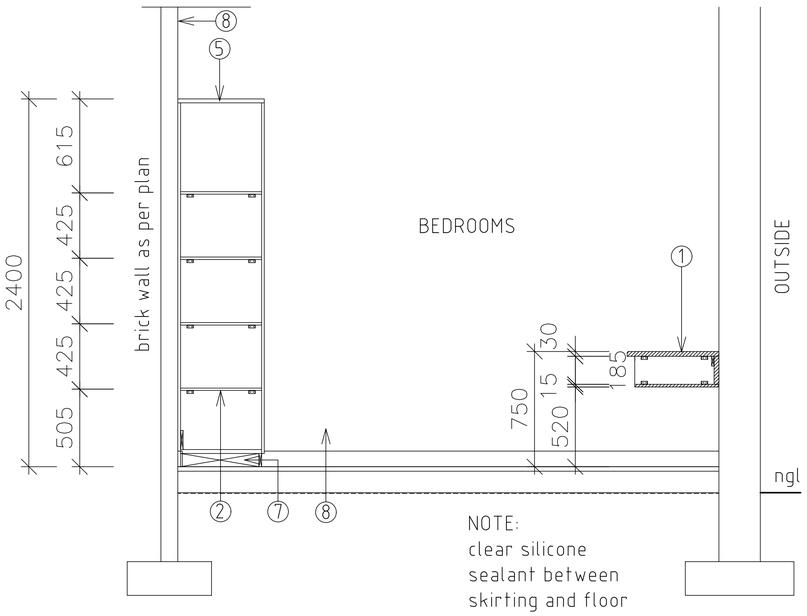
8. Wall thicknesses as per floor plans with 15mm smooth plaster and paint

9. 32mm thick postformed formica counter top with 32x32mm sap painted fixing cleats under either side

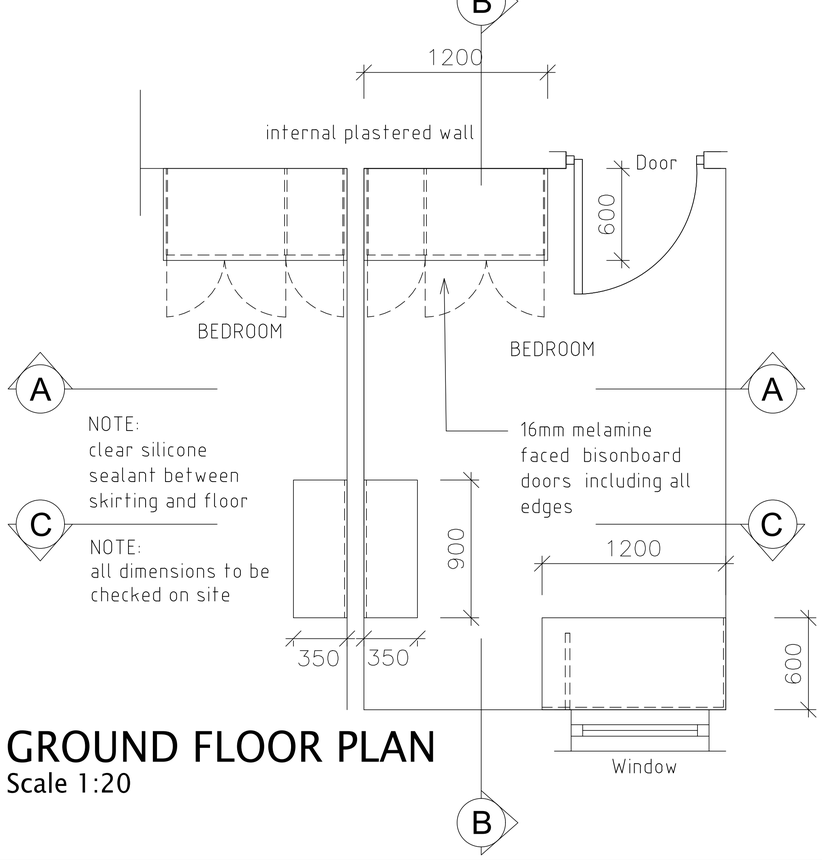
10. 30x30x3mm painted g.m.s. tube bracket worktop support 2x 10mm rawl bolted to blockwork and 3x countersunk screwed to u/s worktop.



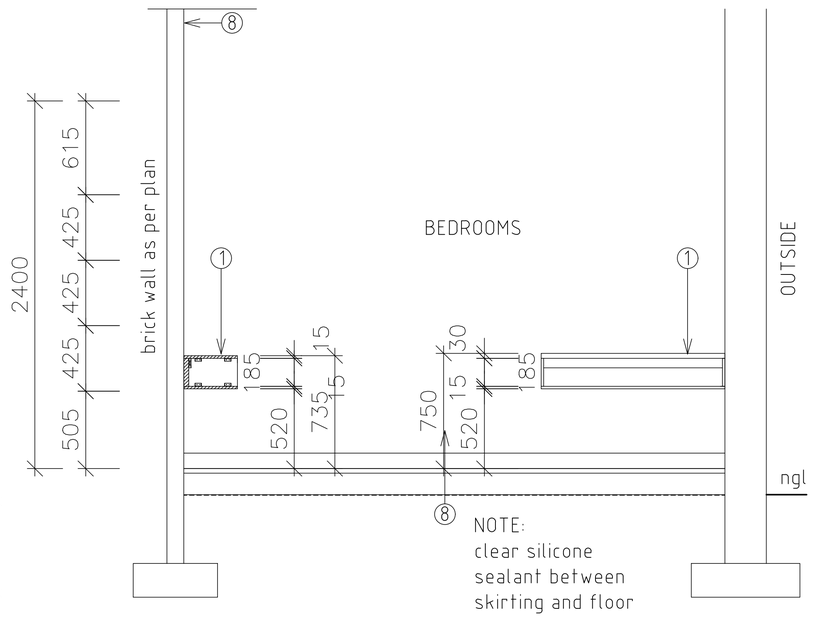
SECTION A-A
Scale 1:20



SECTION B-B
Scale 1:20

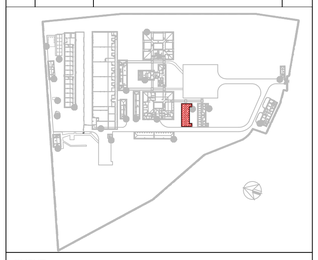


GROUND FLOOR PLAN
Scale 1:20



SECTION C-C
Scale 1:20

REVISIONS:



CLIENT
SIGNATURE:

IMPLEMENTING AGENT
SIGNATURE:

CONSORTIUM
SIGNATURE:

ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

Pty(Ltd): 2019/293991/07
28 Steward Drive
Berea
East London
5241
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132
www.mashadesigns.co.za • sithembele@mashadesigns.co.za

PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED.

TITLE BLOCK E - JOINERY DETAILS

SCALE	DRAWN
1:100	C QWESHA/S. NGAMLANA
DESIGNED	CHECKED
S Maselwa	S Maselwa

PROJECT NUMBER	DATE	
2025-06-19	22/06/2025	
	DRAWING NUMBER	REVISION
	PL 100	Rev 0

NOTES FOR THE JOINERY

1. 32mm post formed 'Formica' worktop, Squareline profile on Bisonboard 'V313' high moisture resistant particleboard.
WORKTOP COLOUR: Charcoal

2. 16mm BisonBord 'V313' with Melamine finish to all surfaces and 2mm high impact edging
CARCASS COLOUR: White
EDGING COLOUR: White
P.V.C fixing brackets and stainless steel screws.

3. 150mm high Mosaic tiles above worktops fixed to walls with straight joints in both directions with the recommended Ceresit Tylon adhesive and flush pointed with Ceresit Tylon 33 white grout.

4. 2mm brushed stainless steel (satin finish) kick plate.

5. 16mm BisonBord 'V313' with Melamine finish to all surfaces and 2mm high impact edging
CUPBOARD COLOUR: White

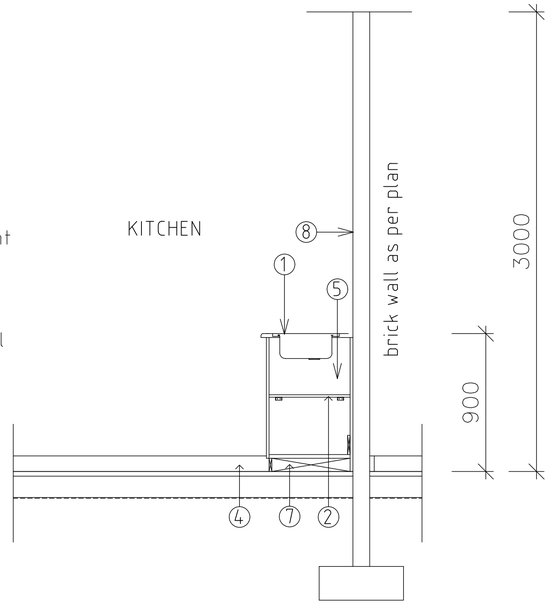
6. 100mm concealed handle - Gelmar (code BSN 8227) or similar approved

7. 85x25mm sap blocking piece at max. 400mm cc fixed to wall and skirting forming cupboard base

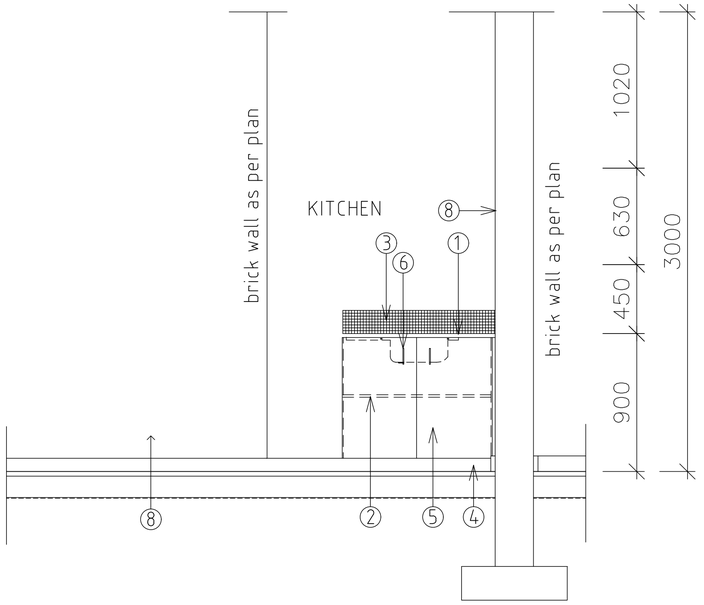
8. Wall thicknesses as per floor plans with 15mm smooth plaster and paint

9. 32mm thick postformed formica counter top with 32x32mm sap painted fixing cleats under either side

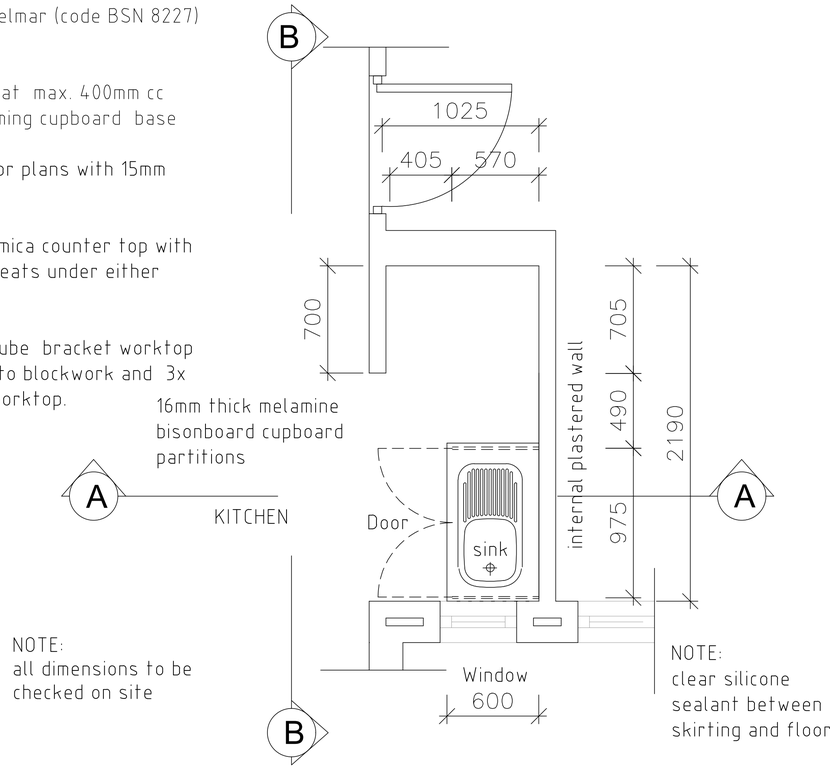
10. 30x30x3mm painted g.m.s. tube bracket worktop support 2x 10mm rawl bolted to blockwork and 3x countersunk screwed to u/s worktop.



SECTION A-A
Scale 1:20

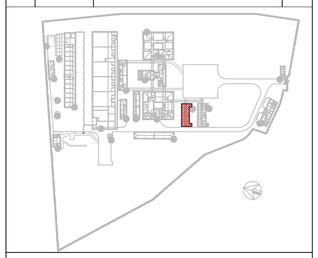


SECTION B-B
Scale 1:20



GROUND FLOOR PLAN
Scale 1:20

REVISIONS:



CLIENT
SIGNATURE:

Province of the EASTERN CAPE EDUCATION

IMPLEMENTING AGENT
SIGNATURE:

DEET
DISABILITY ECONOMIC EMPOWERMENT TRUST

MASHA DESIGN GROUP

CONSORTIUM
SIGNATURE:

ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

Pty(Ltd): 2019/293991/07
28 Steward Drive
Berea
East London
5241
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132
www.mashadesigns.co.za • sithembele@mashadesigns.co.za

PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED.

TITLE BLOCK E - JOINERY DETAILS

SCALE	DRAWN
1:100	C QWESHA/S. NGAMLANA
DESIGNED	CHECKED
S Maselwa	S Maselwa

PROJECT NUMBER	DATE	
2025-06-19	22/06/2025	
	DRAWING NUMBER	REVISION
	PL 100	Rev 0

NOTES FOR THE JOINERY

1. 32mm post formed 'Formica' worktop, Squareline profile on Bisonboard 'V313' high moisture resistant particleboard.
WORKTOP COLOUR: Charcoal

2. 16mm BisonBord 'V313' with Melamine finish to all surfaces and 2mm high impact edging
CARCASS COLOUR: White
EDGING COLOUR: White
P.V.C fixing brackets and stainless steel screws.

3. 150mm high Mosaic tiles above worktops fixed to walls with straight joints in both directions with the recommended Ceresit Tylon adhesive and flush pointed with Ceresit Tylon 33 white grout.

4. 2mm brushed stainless steel (satin finish) kick plate.

5. 16mm BisonBord 'V313' with Melamine finish to all surfaces and 2mm high impact edging
CUPBOARD COLOUR: White

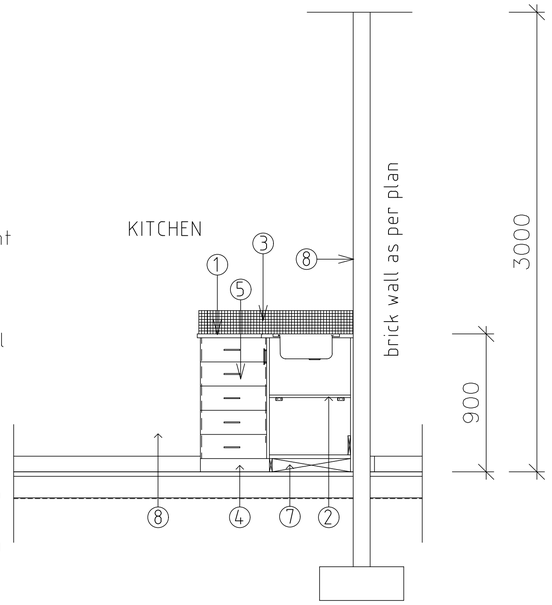
6. 100mm concealed handle - Gelmar (code BSN 8227) or similar approved

7. 85x25mm sap blocking piece at max. 400mm cc fixed to wall and skirting forming cupboard base

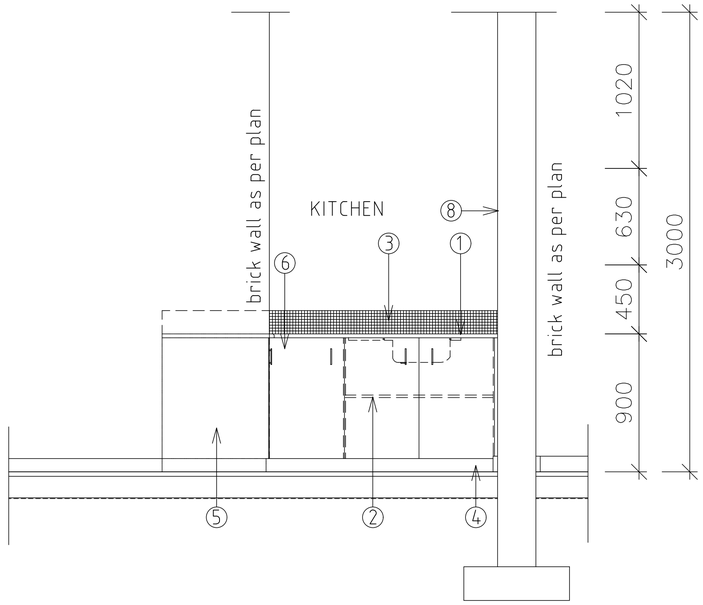
8. Wall thicknesses as per floor plans with 15mm smooth plaster and paint

9. 32mm thick postformed formica counter top with 32x32mm sap painted fixing cleats under either side

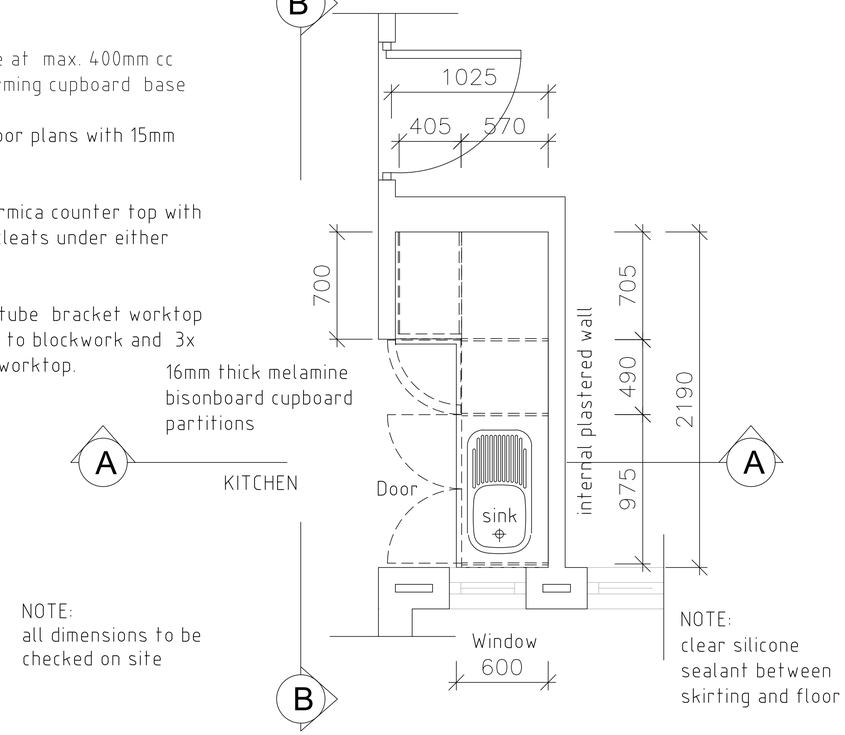
10. 30x30x3mm painted g.m.s. tube bracket worktop support 2x 10mm rawl bolted to blockwork and 3x countersunk screwed to u/s worktop.



SECTION A-A
Scale 1:20

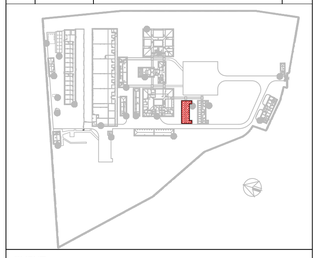


SECTION B-B
Scale 1:20



GROUND FLOOR PLAN
Scale 1:20

REVISIONS:



CLIENT
SIGNATURE:

Province of the EASTERN CAPE EDUCATION

IMPLEMENTING AGENT
SIGNATURE:

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MASHA DESIGN GROUP
Architects & Urban Designers

CONSORTIUM
SIGNATURE:

ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

Pty(Ltd): 2019/293991/07
28 Steward Drive
Berea
East London
5241
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132
www.mashadesigns.co.za • sithembele@mashadesigns.co.za

PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED.

TITLE BLOCK E - JOINERY DETAILS

SCALE	DRAWN
1:100	C QWESHA/S. NGAMLANA
DESIGNED	CHECKED
S Maselwa	S Maselwa

PROJECT NUMBER	DATE	
2025-06-19	22/06/2025	
	DRAWING NUMBER	REVISION
	PL 100	Rev 0

NOTES FOR THE JOINERY

1. 32mm post formed 'Formica' worktop, Squareline profile on Bisonboard 'V313' high moisture resistant particleboard.
WORKTOP COLOUR: Charcoal

2. 16mm BisonBord 'V313' with Melamine finish to all surfaces and 2mm high impact edging
CARCASS COLOUR: White
EDGING COLOUR: White
P.V.C fixing brackets and stainless steel screws.

3. 150mm high Mosaic tiles above worktops fixed to walls with straight joints in both directions with the recommended Ceresit Tylon adhesive and flush pointed with Ceresit Tylon 33 white grout.

4. 2mm brushed stainless steel (satin finish) kick plate.

5. 16mm BisonBord 'V313' with Melamine finish to all surfaces and 2mm high impact edging
CUPBOARD COLOUR: White

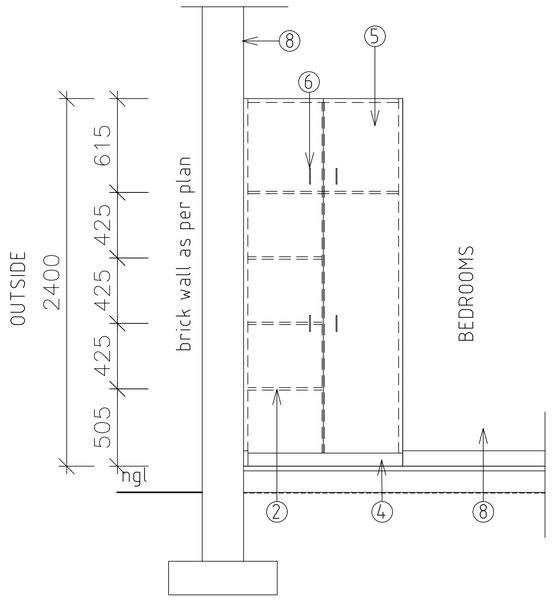
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7. 85x25mm sap blocking piece at max. 400mm cc fixed to wall and skirting forming cupboard base

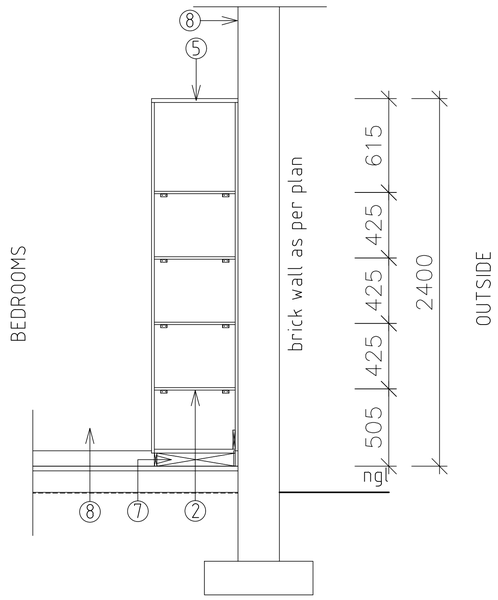
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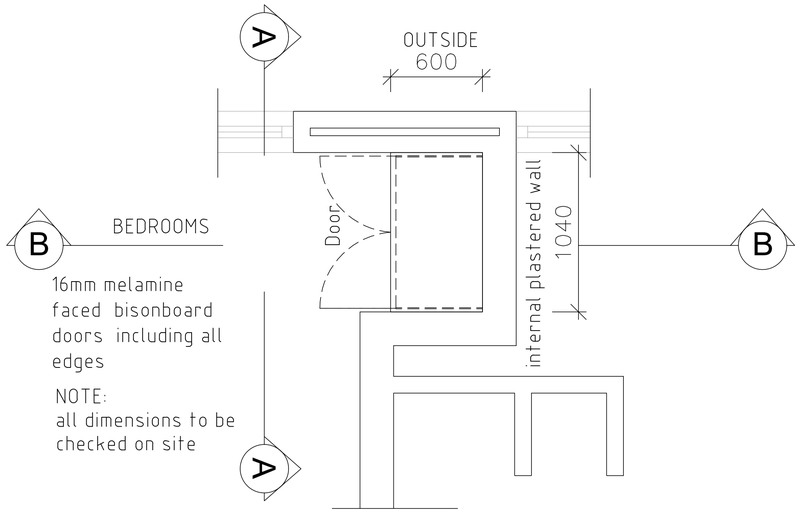
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SECTION A-A
Scale 1:20

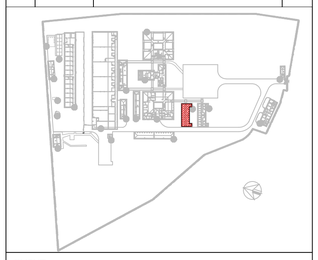


SECTION B-B
Scale 1:20



GROUND FLOOR PLAN
Scale 1:20

REVISIONS:



CLIENT
SIGNATURE:

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MASHA DESIGN GROUP
Architects & Urban Designers

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Pty(Ltd): 2019/293991/07
28 Steward Drive
Berea
East London
5241
cell. 072 573 9905
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www.mashadesigns.co.za • sithembele@mashadesigns.co.za

PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED.

TITLE BLOCK E - JOINERY DETAILS

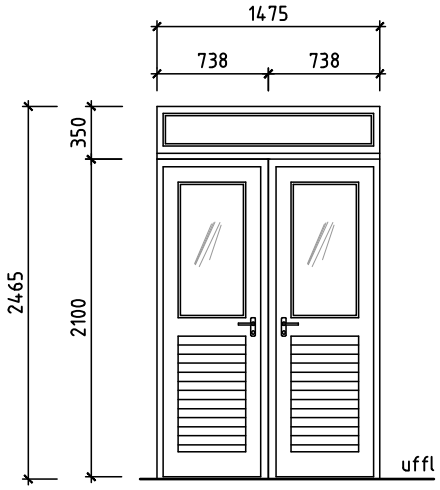
SCALE	DRAWN
1:100	C QWESHA/S. NGAMLANA
DESIGNED	CHECKED
S Maselwa	S Maselwa

PROJECT NUMBER	DATE	
2025-06-19	22/06/2025	
	DRAWING NUMBER	REVISION
	PL 100	Rev 0

DOOR SCHEDULE

DOOR TYPE :		D01
LOCATION		Foyer 101, 112

OPENING



1:50 EXTERNAL ELEVATION

DOOR NO:	01	FRAME:	
NO REQUIRED:	02		
DESCRIPTION:	Wispeco heavy duty 1475 x 2465mm Powder Coated Aluminium solid panel double door with 6.38mm clear laminated safety glass with solid bottom panel and solid fanlight above.	GLAZING:	6mm clear laminated safety glass,to comply with Part NN3 of S.A.B.S. 0400 - 1990.
FINISH:	Powder Coated Aluminium	DESCRIPTION:	Standard natural anodised aluminium rebated frame with 350mm fixed pane fan light with 1 ½ pairs aluminium hinges.
IRON MONGERY:	UNION AL8730AS aluminium, single or multitrack door stop with anodised silver finish. UNION AL8052-150AS flush bolt with anodised silver finish. UNION mortice cylinder lockset comprising aluminium Waterbok handle on 150 x 50mm Oval backplate AL6W20-05AS with anodised silver finish , with Euro lock case L-22315-76SS (Standard) with stainless steel forend, Euro profile double cylinder 2x18SCMKD 66mm long, master keyed, with rebate conversion set 2799SC.	FINISH	Powder Coated Aluminium
		REMARKS:	Any minor damages to door and frame to be rectified. Colour to Architect's approval

GENERAL NOTES:
1. Door swings & positions to be calculated from the floor plans
2. All dimensions and levels are to be checked on site by the contractor prior to construction
3. Any discrepancies on this drawing to be reported to the architect prior to placing orders & construction and/or manufacturing of door/frame
4. All aluminium & steel is to be isolated from one another to prevent galvanication
5. All quantities are to be checked on site by the contractor prior to placing orders
6. All undercutting of doors is to be calculated from mechanical detailed construction drawings
7. All shopfront doors are to be AAAMSA approved.

MASHA DESIGN GROUP
Architects & Urban Designers

Pty(Ltd): 2019/293991/07
28 Stewart Drive
Baysville
East London 5247
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132
www.mashadesigns.co.za
info@mashadesigns.co.za

PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING HOSTEL BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH (BOYS HOSTEL)

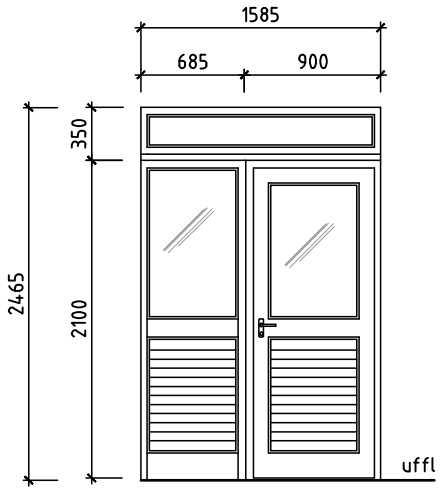
TITLE: BLOCK D - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER	DATE 25/02/2025	SCALE 1:50
2025-06	DRAWING NUMBER PL250619	REVISION -

DOOR SCHEDULE

DOOR TYPE :		D02
LOCATION		Stairwell

OPENING



1:50 EXTERNAL ELEVATION

DOOR NO:	02	FRAME:	
NO REQUIRED:	02		
DESCRIPTION:	Wispeco heavy duty 1585 x 2465mm Powder Coated Aluminium solid panel double door with 6.38mm clear laminated safety glass with solid bottom panel and solid fanlight above.	GLAZING:	6mm clear laminated safety glass,to comply with Part NN3 of S.A.B.S. 0400 - 1990.
FINISH:	Powder Coated Aluminium	DESCRIPTION:	Standard natural anodised aluminium rebated frame with 350mm fixed pane fan light with 1 ½ pairs aluminium hinges.
IRON MONGERY:	UNION AL8730AS aluminium, single or multitrack door stop with anodised silver finish. UNION AL8052-150AS flush bolt with anodised silver finish. UNION mortice cylinder lockset comprising aluminium Waterbok handle on 150 x 50mm Oval backplate AL6W20-05AS with anodised silver finish , with Euro lock case L-22315-76SS (Standard) with stainless steel forend, Euro profile double cylinder 2x18SCMKD 66mm long, master keyed, with rebate conversion set 2799SC.	FINISH	Powder Coated Aluminium
		REMARKS:	Any minor damages to door and frame to be rectified. Colour to Architect's approval

GENERAL NOTES:

1. Door swings & positions to be calculated from the floor plans
2. All dimensions and levels are to be checked on site by the contractor prior to construction
3. Any discrepancies on this drawing to be reported to the architect prior to placing orders & construction and/or manufacturing of door/frame
4. All aluminium & steel is to be isolated from one another to prevent galvanication
5. All quantities are to be checked on site by the contractor prior to placing orders
6. All undercutting of doors is to be calculated from mechanical detailed construction drawings
7. All shopfront doors are to be AAAMSA approved.

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Architects & Urban Designers

Pty(Ltd): 2019/293991/07
28 Stewart Drive
Baysville
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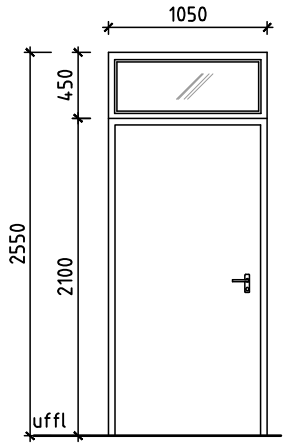
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING HOSTEL BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH (BOYS HOSTEL)

TITLE: BLOCK D - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER	DATE	SCALE
2025-06	25/02/2025	1:50
	DRAWING NUMBER: PL250619	REVISION: -

DOOR SCHEDULE

DOOR TYPE :		D03
LOCATION		Bedrooms - Ground Floor



1:50 EXTERNAL ELEVATION

DOOR NO:	03	FRAME:	
NO REQUIRED:	12		
DESCRIPTION:	Painted 40x1050x2032mm masonite covered solid core door or equal and approved with hardwood edges to two sides.	DESCRIPTION:	1.2mm hot dipped galvanised mild steel standard double rebated metal doorframe. frame complete with 1 pair 100mm steel loose pin hinges, rubber door buffers set in frame.For 110 mm Plaster Both sides.
FINISH:	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.	FINISH	decrease galv frame with approved decreasing agent 1 coat universal undercoat 2 coats Plascon Velvaglo colour to architects approval
IRON MONGERY:	UNION AL8730AS aluminium, single or multitrack door stop with anodised silver finish. UNION mortice cylinder lockset comprising aluminium Waterbok handle on 150 x 50mm Oval backplate AL6W20-05AS with anodised silver finish , with Euro lock case L-22315-76SS (Standard) with stainless steel forend, Euro profile double cylinder 2x18SCMKD 66mm long, master keyed, with rebate conversion set 2799SC.	REMARKS:	Any minor damages to door and frame to be rectified. Remove all ironmongery during painting. Colour to Architect's approval Galvanised surfaces to be cleaned down, and painted External section of frame to be painted with bitumen primer.
		GLAZING:	6.38mm clear laminated safety glass to fixed fanlight.

GENERAL NOTES:

1. Door swings & positions to be calculated from the floor plans
2. All dimensions and levels are to be checked on site by the contractor prior to construction
3. Any discrepancies on this drawing to be reported to the architect prior to placing orders & construction and/or manufacturing of door/frame
4. All aluminium & steel is to be isolated from one another to prevent galvanication
5. All quantities are to be checked on site by the contractor prior to placing orders
6. All undercutting of doors is to be calculated from mechanical detailed construction drawings
7. All shopfront doors are to be AAAMSA approved.

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Pty(Ltd): 2019/293991/07
28 Stewart Drive
Baysville
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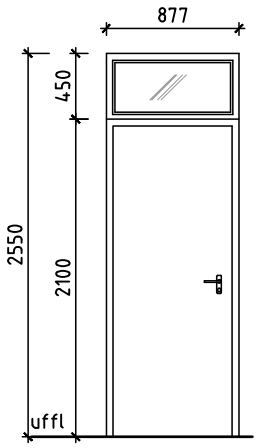
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING HOSTEL BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH (BOYS HOSTEL)

TITLE: BLOCK D - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER	DATE 25/02/2025	SCALE 1:50
2025-06	DRAWING NUMBER PL250619	REVISION -

DOOR SCHEDULE

DOOR TYPE :		D04
LOCATION		Bedrooms -First Floor, Bathrooms - First Floor, Male Bathroom - Ground Floor



1:50 EXTERNAL ELEVATION

DOOR NO:	04	FRAME:	Sand, strip and clean existing timber door frames to prep for finish.
NO REQUIRED:	15		
DESCRIPTION:	Painted 40x877x2032mm masonite covered solid core door or equal and approved with hardwood edges to two sides.	DESCRIPTION:	108 x 70mm Meranti rebated door frame with anchored to brickwork 3 x.
FINISH:	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.	FINISH	Apply no2 coats Pink primer prior to door and existing door frame. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.
IRON MONGERY:	UNION AL8730AS aluminium, single or multitrack door stop with anodised silver finish. UNION mortice cylinder lockset comprising aluminium Waterbok handle on 150 x 50mm Oval backplate AL6W20-05AS with anodised silver finish , with Euro lock case L-22315-76SS (Standard) with stainless steel forend, Euro profile double cylinder 2x18SCMKD 66mm long, master keyed, with rebate conversion set 2799SC.	REMARKS:	Any minor damages to door and frame to be rectified. Remove all ironmongery during painting. Colour to Architect's approval Galvanised surfaces to be cleaned down, and painted External section of frame to be painted with bitumen primer.
		GLAZING:	6.38mm clear laminated safety glass to fixed fanlight.

GENERAL NOTES:

1. Door swings & positions to be calculated from the floor plans
2. All dimensions and levels are to be checked on site by the contractor prior to construction
3. Any discrepancies on this drawing to be reported to the architect prior to placing orders & construction and/or manufacturing of door/frame
4. All aluminium & steel is to be isolated from one another to prevent galvanication
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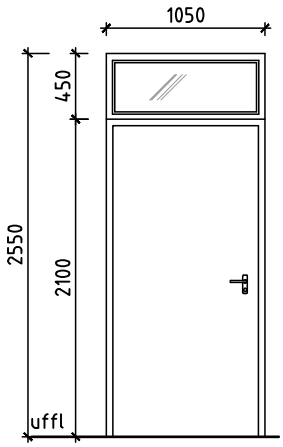
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING HOSTEL BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH (BOYS HOSTEL)

TITLE: BLOCK D - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER	DATE 25/02/2025	SCALE 1:50
2025-06	DRAWING NUMBER PL250619	REVISION -

DOOR SCHEDULE

DOOR TYPE :		D05
LOCATION		Male Bathroom - Ground Floor, Paraplegic - Ground Floor



1:50 EXTERNAL ELEVATION

DOOR NO:	05	FRAME:	
NO REQUIRED:	03		
DESCRIPTION:	Painted 40x1050x2032mm masonite covered solid core door or equal and approved with hardwood edges to two sides.	DESCRIPTION:	1.2mm hot dipped galvanised mild steel standard double rebated metal doorframe. frame complete with 1 pair 100mm steel loose pin hinges, rubber door buffers set in frame.For 110 mm Plaster Both sides. Top hung, outward opening fanlight.
FINISH:	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.	FINISH	decrease galv frame with approved decreasing agent 1 coat universal undercoat 2 coats Plascon Velvaglo colour to architects approval
IRON MONGERY:	UNION AL8730AS aluminium, single or multitrack door stop with anodised silver finish. UNION mortice cylinder lockset comprising aluminium Waterbok handle on 150 x 50mm Oval backplate AL6W20-05AS with anodised silver finish , with Euro lock case L-22315-76SS (Standard) with stainless steel forend, Euro profile double cylinder 2x18SCMKD 66mm long, master keyed, with rebate conversion set 2799SC. UNION overhead rack and pinion hydraulic fixed power 732P EN3 Silver parallel arm overhead door closer, to internal door of width determined on site, suitable for minimum wall nib dimension 47mm.	REMARKS:	Any minor damages to door and frame to be rectified. Remove all ironmongery during painting. Colour to Architect's approval Galvanised surfaces to be cleaned down, and painted External section of frame to be painted with bitumen primer.
		GLAZING:	6.38mm clear laminated safety glass to fixed fanlight.

GENERAL NOTES:

1. Door swings & positions to be calculated from the floor plans
2. All dimensions and levels are to be checked on site by the contractor prior to construction
3. Any discrepancies on this drawing to be reported to the architect prior to placing orders & construction and/or manufacturing of door/frame
4. All aluminium & steel is to be isolated from one another to prevent galvanication
5. All quantities are to be checked on site by the contractor prior to placing orders
6. All undercutting of doors is to be calculated from mechanical detailed construction drawings
7. All shopfront doors are to be AAAMSA approved.

MASHA DESIGN GROUP
Architects & Urban Designers

Pty(Ltd): 2019/293991/07
28 Stewart Drive
Baysville
East London 5247
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132
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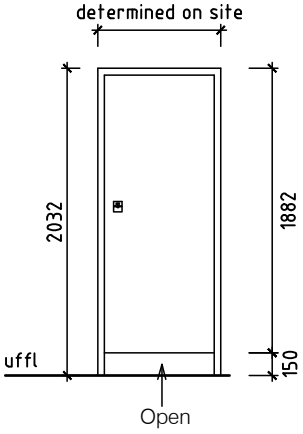
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING HOSTEL BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH (BOYS HOSTEL)

TITLE: BLOCK D - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER	DATE 25/02/2025	SCALE 1:50
2025-06	DRAWING NUMBER PL250619	REVISION -

DOOR SCHEDULE

DOOR TYPE :		D06
LOCATION		Male Bathroom - Ground Floor and First Floor



DOOR NO:	06	FRAME:	
NO REQUIRED:	06		
DESCRIPTION:	Painted masonite covered solid–core door or equal and approved with hardwood edges to two sides.	GLAZING:	None
		DESCRIPTION:	1.2mm hot dipped galvanised mild steel standard double rebated metal doorframe. frame complete with 1 pair 100mm steel loose pin hinges, rubber door buffers set in frame.For 110 mm Plaster Both sides.
FINISH:	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.	FINISH	decrease galv frame with approved decreasing agent 1 coat universal undercoat 2 coatsPlascon Velvaglo colour to architects approval
IRON MONGERY:	Door to receive new UNION AL8098 surface mounted aluminium, single or multitrack indicator bolts with anodised silver finish.	REMARKS:	Any minor damages to door and frame to be rectified. Remove all ironmongery during painting. Colour to Architect's approval Galvanised surfaces to be cleaned down, and painted External section of frame to be painted with bitumen primer.

GENERAL NOTES:

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2. All dimensions and levels are to be checked on site by the contractor prior to construction
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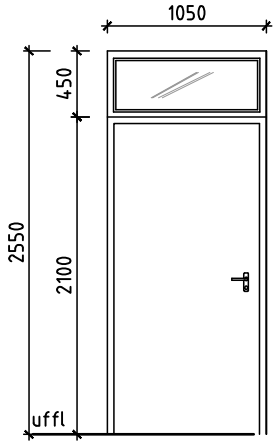
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING HOSTEL BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH (BOYS HOSTEL)

TITLE: BLOCK D - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER	DATE 25/02/2025	SCALE 1:50
2025-06	DRAWING NUMBER PL250619	REVISION -

DOOR SCHEDULE

DOOR TYPE :		D07
LOCATION		Passages



1:50 EXTERNAL ELEVATION

DOOR NO:	07	FRAME:	
NO REQUIRED:	02		
DESCRIPTION:	Painted 40x1050x2032mm masonite covered solid core door or equal and approved with hardwood edges to two sides.	DESCRIPTION:	1.2mm hot dipped galvanised mild steel standard double rebated metal doorframe. frame complete with 1 pair 100mm steel loose pin hinges, rubber door buffers set in frame.For 110 mm Plaster Both sides.
FINISH:	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.	FINISH	decrease galv frame with approved decreasing agent 1 coat universal undercoat 2 coats Plascon Velvaglo colour to architects approval
IRON MONGERY:	UNION AL8730AS aluminium, single or multitrack door stop with anodised silver finish. UNION mortice cylinder lockset comprising aluminium Waterbok handle on 150 x 50mm Oval backplate AL6W20-05AS with anodised silver finish , with Euro lock case L-22315-76SS (Standard) with stainless steel forend, Euro profile double cylinder 2x18SCMKD 66mm long, master keyed, with rebate conversion set 2799SC.	REMARKS:	Any minor damages to door and frame to be rectified. Remove all ironmongery during painting. Colour to Architect's approval Galvanised surfaces to be cleaned down, and painted External section of frame to be painted with bitumen primer.
		GLAZING:	6.38mm clear laminated safety glass to fixed fanlight.

GENERAL NOTES:

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7. All shopfront doors are to be AAAMSA approved.

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Pty(Ltd): 2019/293991/07
28 Stewart Drive
Baysville
East London 5247
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132
www.mashadesigns.co.za
info@mashadesigns.co.za

PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING HOSTEL BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH (BOYS HOSTEL)

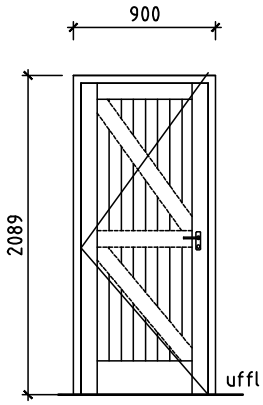
TITLE: BLOCK D - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER 2025-06	DATE 25/02/2025	SCALE 1:50
	DRAWING NUMBER PL250619	REVISION -

DOOR SCHEDULE

DOOR TYPE :		D08
LOCATION		Stairs

OPENING



1:50 EXTERNAL ELEVATION

DOOR NO:	08	FRAME:	
NO REQUIRED:	02		
DESCRIPTION:	40x813x2030 Meranti framed, ledge, braced & batten single door inner edges of framing to be rebated.	GLAZING:	None
		DESCRIPTION:	1.2mm hot dipped galvanised mild steel standard double rebated metal doorframe. frame complete with 1 pair 100mm steel loose pin hinges, rubber door buffers set in frame.For 110 mm Plaster Both sides.
FINISH:	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.	FINISH	decrease galv frame with approved decreasing agent 1 coat universal undercoat 2 coats Plascon Velvaglo colour to architects approval
IRON MONGERY:	UNION mortice lockset comprising zinc Gower handle on 152 x 41mm rectangular backplate 682-24CH with chrome finish, 2 lever upright lock 2295-76SS (Standard) with stainless steel forend, keyed to differ (Standard), with rebate conversion set 2799SC.	REMARKS:	Any minor damages to door and frame to be rectified. Remove all ironmongery during painting. Colour to Architect's approval Galvanised surfaces to be cleaned down, and painted External section of frame to be painted with bitumen primer.

GENERAL NOTES:

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Pty(Ltd): 2019/293991/07
28 Stewart Drive
Baysville
East London 5247
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132
www.mashadesigns.co.za
info@mashadesigns.co.za

PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING HOSTEL BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH (BOYS HOSTEL)

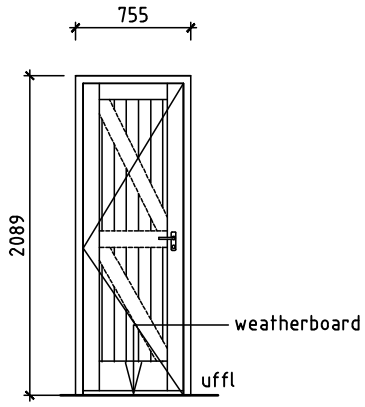
TITLE: BLOCK D - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER	DATE 25/02/2025	SCALE 1:50
2025-06	DRAWING NUMBER PL250619	REVISION -

DOOR SCHEDULE

DOOR TYPE :		D09
LOCATION		Duct

OPENING



1:50 EXTERNAL ELEVATION

DOOR NO:	09	FRAME:	
NO REQUIRED:	01		
DESCRIPTION:	40x813x2030 Meranti framed, ledge, braced & batten single door inner edges of framing to be rebated. Door to have meranti weatherboard to external face fixed with countersunk ss screws.	GLAZING:	None
		DESCRIPTION:	1.2mm hot dipped galvanised mild steel standard double rebated metal doorframe. frame complete with 1 pair 100mm steel loose pin hinges, rubber door buffers set in frame.For 110 mm Plaster Both sides.
FINISH:	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.	FINISH	decrease galv frame with approved decreasing agent 1 coat universal undercoat 2 coats Plascon Velvaglo colour to architects approval
IRON MONGERY:	UNION mortice lockset comprising zinc Gower handle on 152 x 41mm rectangular backplate 682-24CH with chrome finish, 2 lever upright lock 2295-76SS (Standard) with stainless steel forend, keyed to differ (Standard), with rebate conversion set 2799SC.	REMARKS:	Any minor damages to door and frame to be rectified. Remove all ironmongery during painting. Colour to Architect's approval Galvanised surfaces to be cleaned down, and painted External section of frame to be painted with bitumen primer.

GENERAL NOTES:

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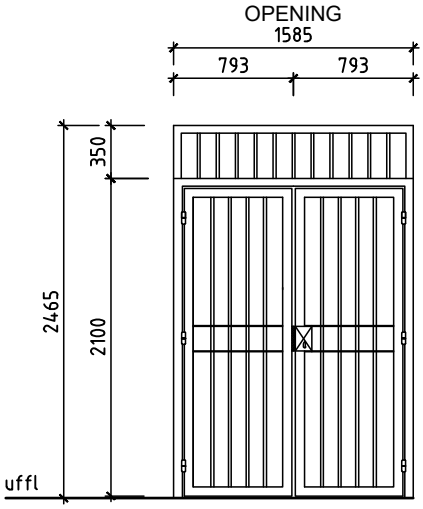
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING HOSTEL BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH (BOYS HOSTEL)

TITLE: BLOCK D - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER	DATE 25/02/2025	SCALE 1:50
2025-06	DRAWING NUMBER PL250619	REVISION -

GATE SCHEDULE

GATE TYPE :		G01
LOCATION		Foyer 101, Foyer 112



1:50 EXTERNAL ELEVATION

DOOR NO:	01	FRAME:	
NO REQUIRED:	02		
DESCRIPTION:	Purpose-made gms gate. 50x25mm RHS GMS tubing frame with 25x25mm GMS square tubing horizontal brace and No. 6x 15mm square tubing vertical elements spaced equally between frame above and below horizontal brace. As indicated in diagram. Locking mechanism to Client's approval.	GLAZING:	None
		DESCRIPTION:	Purpose-made gms gate. 50x25mm RHS GMS tubing frame with 25x25mm GMS square tubing horizontal brace and No. 6x 15mm square tubing vertical elements spaced equally between frame above and below horizontal brace. As indicated in diagram. Locking mechanism to Client's approval.
FINISH:	Degrease galv. frame with approved degreasing agent 1 coat Plascon galvanized iron primer 2 coats Super Universal Enamel Colour to Architect's approval	FINISH	Degrease galv. frame with approved degreasing agent 1 coat Plascon galvanized iron primer 2 coats Super Universal Enamel Colour to Architect's approval
IRON MONGERY:	To be finalised	REMARKS:	Galvanised surfaces to be cleaned down, and painted.

GENERAL NOTES:
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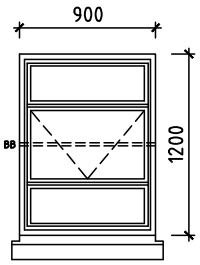
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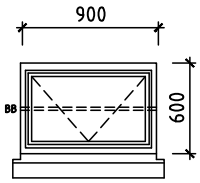
TITLE: BLOCK D - WORKING DRAWINGS -GATE SCHEDULES

PROJECT NUMBER 2025-06	DATE 25/02/2025	SCALE 1:50
	DRAWING NUMBER PL250619	REVISION -

WINDOW SCHEDULE

WINDOW TYPE :	W01	WINDOW TYPE :	W02
LOCATION :	Bedrooms 103-112,116,117,203-213,215,216	LOCATION :	Kitchen 115, 117, 215, 216





WINDOW NO:	01	WINDOW NO:	02
NO REQUIRED:	26	NO REQUIRED:	20
DESCRIPTION:	Outward opening out top hung aluminium window frame profile to match existing as supplied by manufacturer.Aluminum burglar bars.	DESCRIPTION:	Outward opening out top hung aluminium window frame profile to match existing as supplied by manufacturer.Aluminum burglar bars.
FINISH:	Powder coated finish to architect and client approval.	FINISH:	Powder coated finish to architect and client approval.
GLAZING:	6mm clear laminated safety glass,to comply with Part NN3 of S.A.B.S. 0400 - 1990.	GLAZING:	6mm clear laminated safety glass,to comply with Part NN3 of S.A.B.S. 0400 - 1990.
REMARKS:	Any minor damages to window and frame to be reported to client immediately once spotted. Plastic protection to be removed once window has been installed.	REMARKS:	Any minor damages to window and frame to be reported to client immediately once spotted. Plastic protection to be removed once window has been installed.

GENERAL NOTES:

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MASHA DESIGN GROUP
Architects & Urban Designers

Pty(Ltd): 2019/293991/07

28 Stewart Drive
Baysville
East London 5247

cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132

www.mashadesigns.co.za
info@mashadesigns.co.za

PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING HOSTEL BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH (BOYS HOSTEL)

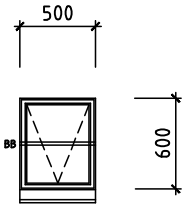
TITLE: BLOCK D - WORKING DRAWINGS - WINDOW SCHEDULES

PROJECT NUMBER	DATE 25/02/2025	SCALE 1:50
2025-06	DRAWING NUMBER PL250619	REVISION -

WINDOW SCHEDULE

WINDOW TYPE :	W03	WINDOW TYPE :	W04
LOCATION :	Stairs 114,119,201,213	LOCATION :	Male, Female Bathroom 115,1116,215,216





WINDOW NO:	03	WINDOW NO:	04
NO REQUIRED:	06	NO REQUIRED:	08
DESCRIPTION:	Fixed aluminium window frame profile to match existing as supplied by manufacturer.	DESCRIPTION:	Outward opening out top hung aluminium window frame profile to match existing as supplied by manufacturer.Aluminum burglar bars.
FINISH:	Powder coated finish to architect and client approval.	FINISH:	Powder coated finish to architect and client approval.
GLAZING:	6mm clear laminated safety glass,to comply with Part NN3 of S.A.B.S. 0400 - 1990.	GLAZING:	6mm clear laminated safety glass,to comply with Part NN3 of S.A.B.S. 0400 - 1990.
REMARKS:	Any minor damages to window and frame to be reported to client immediately once spotted. Plastic protection to be removed once window has been installed.	REMARKS:	Any minor damages to window and frame to be reported to client immediately once spotted. Plastic protection to be removed once window has been installed.

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PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING HOSTEL BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH (BOYS HOSTEL)

TITLE: BLOCK D - WORKING DRAWINGS - WINDOW SCHEDULES

PROJECT NUMBER	DATE 25/02/2025	SCALE 1:50
2025-06	DRAWING NUMBER PL250619	REVISION -

BLOCK 'E'

FINISHING SCHEDULE 1F

	Foyer 101/112	Passage 102	Kitchenette 102	Bedrooms 103-117	Bathrooms 115/16	Stairs 113/118	Store 119/120	Stairs 201/213	Passage 202	Kitchenette 202	Bedrooms 203-2117	Bathrooms 215/216	Stairs 201/213			
FLOORS	Ground Storey							First Storey								
EXISTING CONCRETE SLAB: to be checked for defects and rehabilitated as per engineer's details																
VINYL TILES: remove existing vinyl finish and strip off fixing material. Install new 300 X 300 X 2.0 mm thick Marley Superflex fully flexible homogeneous vinyl sheeting, fully bonded on smooth screed with heat-welded joints. Skirting: 19x76mm Meranti skirting with 19mm quarter round Prepare, knot and finish 2 coats clear eggshell poly-urethane varnish sanding lightly between coats																
PORCELAIN TILES: remove existing tiles and Install 8.5mm thick Approved "Starline"300x300mm Non-slip Porcelain Tile 2 with 3mm joints and layered level with continuous joints according to manufacturer's specification. Tile joints to be neatly flush-pointed with 'TAL EPOXY GROUT' to manufacturer's specifications Sikirting: 300x300mm matching Tile																
PAVING: existing 220 X 110 X 50 mm interlocking concrete pavers or similar approved to be pressure cleaned and sealed to specialist detail. All floors to be sloped towards existing floor drains. Engineer to confirm floor status prior.																
CONCRETE PAVING: existing 500 X 500 X 50 mm concrete pavers or similar approved to be pressure cleaned and sealed to specialist detail. All floors to be sloped towards existing floor drains. Engineer to confirm floor status prior.																
CARPET: Prepare screed for new Belgotex Berber Point 920 heavy-duty commercial carpet tiles, 500x500mm, tufted loop pile, ±5mm pile height, bitumen-backed, colour selected by architect. Laid with Belgotex-approved adhesive on smooth level screed.																
WALLS																
EXISTING WALL PLASTER: to be checked for defects and the structure to be rehabilitated as per engineer's details																
EXISTING PAINTED WALLS: Chip off all existing plaster and replaster and make good to finish. Apply 1x coat approved plaster primer. Apply 2-3x matt acrylic pva paint as per approved manufacturer's specification. Provide 1x coat alkaline resistant 100% pure acrylic fillercoat for all kitchens & Ablutions. Spread rate 6 square meters per liter.																
EXISTING FACEBRICK WALLS: Clean with Clean with Medium Duty Solvent Detergent solution to remove all contaminations and chalked material. Rinse with clean water to remove all Detergent traces. Apply 1x coat approved primer. Apply 2-3x Water Based Polyurethane Coating as per approved manufacturer's specification																
EXISTING FACEBRICK WALLS: New plaster over existing facebrick and make good to finish. Apply 2-3x Water Based Polyurethane Coating as per approved manufacturer's specification																

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Pty(Ltd): 2019/293991/07
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132

www.mashadesigns.co.za • sithembele@mashadesigns.co.za

PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING CLASSROOM BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

TITLE: BLOCK D & E WORKING DRAWINGS - FINISHING SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER FL01-01	REVISION -

BLOCK 'E'

FINISHING SCHEDULE 2F

	Foyer 101/112	Passage 102	Kitchenette 102	Bedrooms 103-117	Bathrooms 115/16	Stairs 113/118	Store 119/120	Stairs 201/213	Passage 202	Kitchenette 202	Bedrooms 203-2117	Bathrooms 215/216	Stairs 201/213			
WALLS	Ground Storey							First Storey								
EXISTING TIMBER CLADDING remove existing wood pane cladding, sand down flaking wood treatment, clean dust and debris on wool, apply oil paint suitable for interior wood allow to dry, sand won lightly and apply 2 x Coats and bring to a neat finish. Colour: To client approval																
SPLASHBACK TILES: remove all existing splashbacks tiles and replace with WHITE GLAZED TILES: Matt white glazed ceramic wall tiles size 200x200x6,5mm thick, fixed to existing plaster with approved tile adhesive. 3mm joints continuous in both directions and flush pointed grout. 3x row splashback above whb/sink, countertop.			▨		▨					▨		▨				
WALL TILES: remove all existing wall tiles and replace with WHITE GLAZED TILES: Matt white glazed ceramic wall tiles size 200x200x6,5mm thick, fixed to existing plaster with approved tile adhesive. 3mm joints continuous in both directions and flush pointed grout. Wall tiles to height of 2.1m																
SKIRTING AND WALL TRIMMING																
TIMBER WALL SKIRTING: 19x76mm Meranti skirting with 19mm quarter round. Prepare, knot and finish 1x coat Plascon wall & all to all surfaces, edges and ends. Apply second coat Plascon wall & all once skirting is in place		▨	▨	▨		▨	▨	▨	▨	▨		▨	▨			
TILE SKIRTING: 150mm high x 12mm thick Approved PORCELAIN TILE (R10–R11 slip rating) tile with rounded top edge and smooth transitions with 3mm joints and layered level with continuous joints matching floor. Joints to be neatly flush-pointed with 'TAL EPOXY GROUT' to manufacturer's specifications, Tile to match Wall tile (if applicable)					▨						▨					
POWER SKIRTING: As recommended by the Electrical Consultant																
TIMBER DADO RAIL: 150 x 25 mm hardwood timber dado rail fixed at 900 mm above FFL, top edge rounded 10 mm radius, securely fixed at 400 mm c/c with countersunk screws, sanded smooth and finished with wood primer, undercoat, and 2 coats Plascon wall & all paint																
WALL CORNER PROTECTION: remove all galvanised wall corner prtotectors. Fit 50x50x2mm thick approved aluminium corner wall protection as per manufacturers specification. Corner protection from 150mm up to 750mm, with pre-drilled fixing holes																
CEILING																
Gypsum 12mm Thick "Rhinoboard" nail up ceiling complete with Meranti cover strips and Gypsum 70mm Cornice on 38 x 38mm S. A. Pine brandering at 380mm centres fixed with clout nails in accordance to manufactures specification. PAINT FINISH: Primer Coat - Apply 1 coat Plascon Professional Gypsum & Plaster Primer (PP700) & 2x top coats Plascon PVA or similar approved. SHADOWLINE TRIMMING: Pelican SHADOWLINE Plaster Trims PS2, PS3 & PS4 or similar approved. Supply and fit white epoxy coated aluminium with 5mmx25mm anchors at 450mm c/c								▨	▨	▨	▨		▨			

MASHA DESIGN GROUP
Architects & Urban Designers

Pty(Ltd): 2019/293991/07
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132

www.mashadesigns.co.za • sithembele@mashadesigns.co.za

PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING CLASSROOM BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

TITLE: BLOCK D & E WORKING DRAWINGS - FINISHING SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER FL01-02	REVISION -

BLOCK 'E'

FINISHING SCHEDULE 3F

	Foyer 101/112	Passage 102	Kitchenette 102	Bedrooms 103-117	Bathrooms 115/16	Stairs 113/118	Store 119/120	Stairs 201/213	Passage 202	Kitchenette 202	Bedrooms 203-2117	Bathrooms 215/216	Stairs 201/213			
	Ground Storey							First Storey								
CEILING																
CEILING: 6mm thick Nutec fibre cement board. Fixed to38x38mm timber branders at 380mm centres. PAINT FINISH: Primer Coat - Apply 1 coat Plascon Professional Gypsum & Plaster Primer (PP700) & 2xCoats PVA or similar approved WALL TRIMMING: Pelican SHADOWLINE Plaster Trims PS2, PS3 & PS4 or similar approved. Supply and fit white epoxy coated aluminium with 5mmx25mm anchors at 450mm c/c																
CONCRETE SOFFIT: Chip away loose plaste and flaking pait to soffit, apply sand cement mix to larger damaged areas and apply wood trowel to bring to a 10mm thick smooth even finish all around soffit, fill all cracks with Pollyfiller, sand down and bring to a smooth even finish with rounded cornice paint. Apply 1x coat approved plaster primer. Apply 2-3x matt acrylic pva paint as per approved manufacturer's specification. Provide 1x coat alkaline resistant 100% pure acrylic fillercoat for all kitchens & Ablutions. Spread rate 6 square meters per liter.																
SERVICES																
CO2 FIRE EXTINGUISHER - Fire Extinguisher 5kg CO2 fire extinguisher, size 181mm diameter x 416mm high (total mass: 8,00kg) 21A 144B fire rating at 1400KPa working pressure fitted with standard steel hook fixed to wall or steel stanchion																
ELECTRICAL - All existing connections to be confirmed by specialist.																
SANITARY WARE																
TAP - GROHE Euroeco Cosmopolitan T, Code 36265000 – chrome-plated self-closing cold-water tap, 7-sec shut-off (adjustable), 5.7 l/min flow limiter, vandal-resistant, SANS 1056 compliant.																
TAP - GROHE Eurosmart Single-Lever Mixer Tap, Model No. 32825000, cold water only, chrome-plated brass, lever handle, swivel spout, mounted at 850–900 mm AFFL, compliant with SANS 1825, suitable for special needs users																
TAP SHOWER HEAD- GROHE Product Code G-36321000G-36321000 4005176896552 Eurosmart Cosmopolitan Brass 20 mm 130 mm 60 mm T Public Taps Colour: Chrome Tempesta Cosmopolitan 100 Description: GROHE Rain 0^2, Rain, Massage ball joint 15deg rotatable shower arm with connection thread 1/2 escutcheon GROHE DreamSpray perfect spray pattern GROHE Long-Life chrome finish SpeedClean anti-lime system Inner WaterGuide for a longer life suitable for instantaneous heaterG-26090001 G-26090001 4005176443992 (l) 150mm x (w) 100mm x (h) 115mm																

MASHA DESIGN GROUP
Architects & Urban Designers

Pty(Ltd): 2019/293991/07
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132

www.mashadesigns.co.za • sithembele@mashadesigns.co.za

PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING CLASSROOM BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

TITLE: BLOCK D & E WORKING DRAWINGS - FINISHING SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER FL01-05	REVISION -

BLOCK 'E'

FINISHING SCHEDULE 4F

SANITARY WARE	Foyer 101/112	Passage 102	Kitchenette 102	Bedrooms 103-117	Bathrooms 115/16	Stairs 113/118	Store 119/120	Stairs 201/213	Passage 202	Kitchenette 202	Bedrooms 203-2117	Bathrooms 215/216	Stairs 201/213
	Ground Storey							First Storey					
PARAPLEGIC ABLUTION: BASIN - Wall Mounted Basin: Vaal Sanitary ware vitreous china 610 x 460mm rectangular "Concorde 610" basin with three semi-punched tapholes (ie available in zero,one,two or three taphole configurations), intergrated overflow, and chainstay hole through the centre semi-punched taphole. Cobra Watertech Elbow action pillar tap square type with blue indice. ¼ turn ceramic disc. ½" BSP male connection inlets. SANS 226 TYPE 2. - For cold water. Fitting sundry Vaal Universal half pedestal and hanger mechanism (code: 715221) Paraplegic Grab rails WC - Vaal Sanitaryware vitreous china "Orchid Wall Hung Pan" top or back inlet 90° , outlet open rim wash down pan and matching 9 litre cistern complete with lid, fitments. purpose made C.P. side-flush lever (left or right) Supplied with purpose made urea seat and cover plate. 32mm outside diameter approved Stainless Steel side grab rail and back grab rail for paraplegic toilet.													
HAND BASIN: Vaal Sanitaryware white Bantam (code 7030) 455mm x 290mm ceramic fireclay heavy duty basin, colour white, on cast iron semi concealed brackets, complete with 32mm CP brass screwed waste fitting, plug, and chain. Cobra Watertech 32mm chrome plated deep seal bottle trap with outlet for 50mm PVC.													
WC: Vaal Sanitaryware "Hibiscus" close coupled 90° outlet complete with lid and fitments. Top dual flush suite (code 772656).													
URINAL - Vaal Sanitary ware 600x385x380mm Flatback wall hung bowl urinal with back inlet urinal including 38mm chromium plated domical grating and spreader, Cobra Watertech Cobratron flush valve ½ inch bsp FI (Code: EL-3004), manufactured in accordance to SANS 1808-35:2004. Cobra Watertech c.p. top inlet spreader (code 8543Z0), and two hangar brackets (code 8127Z0). Cobra Watertech 32mm c.p deep seal bottle trap with outlet for 50mm PVC.													
KITCHEN SINK: Single bowl sink: Franke Drop-In Single Bowl Sink, Model EZS804NB or equal, 559mm x 635mm, 203mm deep, 20-gauge 304 stainless steel, top mount, 4 faucet holes, center waste outlet, sound-deadening pads. For 686mm cabinet. Include clips.													

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Architects & Urban Designers

Pty(Ltd): 2019/293991/07
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132

www.mashadesigns.co.za • sithembele@mashadesigns.co.za

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TITLE: BLOCK D & E WORKING DRAWINGS - FINISHING SCHEDULES

PROJECT NUMBER	DATE	SCALE
2025-06	19/06/2025	1:50
	DRAWING NUMBER: FL01-04	REVISION: -

BLOCK 'E'

FINISHING SCHEDULE 5F

	Foyer 101/112	Passage 102	Kitchenette 102	Bedrooms 103-117	Bathrooms 115/16	Stairs 113/118	Store 119/120	Stairs 201/213	Passage 202	Kitchenette 202	Bedrooms 203-2117	Bathrooms 215/216	Stairs 201/213			
SANITARY WARE	Ground Storey							First Storey								
MIRROR - 6mm thick 400x600mm high mirror glass with polished edges all round with anti-shatter adhesive safety film fixed with 4x stainless steel tamper proof dome cap screws.																
TOWEL RAIL - 19mm Diameter chromium plated on steel towel rail. 900mm long with pair of chromium plated flanged wall brackets screwed to plugs in wall.																
SANITARY WARE																
SOAP DISPENSER: Franke STRX618 or other approved surface mounted satin finish stainless steel soap dispenser size 100 x 134 x 304mm high overall, manufactured with 1,2 or 1,5mm thickness material, soap dispenser incorporates a replaceable and refillable one litre container which is suitable for liquid and antiseptic soaps and lotions, with and including cylinder lock, Franke or other approved standard key and mounting kit.																
TOILET ROLL HOLDER: Franke Stratos STRX 672 or other approved 1,5mm thick grade 304 18/10 satin finish stainless steel toilet roll holders (code: 359716), size 304 x 156 x 140,7mm deep overall for 2 rolls maximum 108mm diameter with spindle system and cylinder lock with standard Franke or other approved key, plugged and screwed to the wall with stainless steel screws and installation to be as per manufactures detailed instructions..																
PAPER TOWEL DISPENSER: Franke Stratos STRX600 or other approved 1,2 or 1,5mm thick satin finished stainless steel paper towel dispenser (code: 2120038), size 300 x 134 x 305mm high with a capacity of 300-400 towels and cylinder lock with standard key, plugged and screwed to the wall with stainless steel screws and installation to be as per manufactures detailed instructions.																
WASTE BIN: Franke Exos 605 or other approved grade 304 18/10 satin finish stainless steel waste bin (code: 2120155), size 300 x 790 x 251mm deep overall with thirty litre capacity, plugged and screwed to the wall with stainless steel screws and installation to be as per manufactures detailed instructions, as per Architects sanitary schedule drawing 3005 issued with these Bills of Quantities.																
TOILET BRUSH HOLDER: Plumline Mahale or other approved polished chrome toilet brush holder, overall size 114mm x 133mm x 369mm high (code: 035683), plugged and screwed to walls with stainless steel screws and installation to be as per manufactures detailed instructions.																

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Pty(Ltd): 2019/293991/07
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132

www.mashadesigns.co.za • sithembele@mashadesigns.co.za

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TITLE: BLOCK D & E WORKING DRAWINGS - FINISHING SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER FL01-05	REVISION -

BLOCK 'E'

FINISHING SCHEDULE 6F

	Foyer 101/112	Passage 102	Kitchenette 102	Bedrooms 103-117	Bathrooms 115/16	Stairs 113/118	Store 119/120	Stairs 201/213	Passage 202	Kitchenette 202	Bedrooms 203-2117	Bathrooms 215/216	Stairs 201/213			
	Ground Storey							First Storey								
PARAPLEGIC GRAB RAIL: Franke CNTXPAR or other approved 32mm diameter grade 304 18/10 satin finish stainless steel SABS approved dog leg paraplegic grab rail with and includes screws and dowels, as per Architects sanitary schedule drawing 3005 issued with these Bills of Quantities.																
CISTERN BACK RAIL - Franke CNTXBR or other approved 32mm diameter grade 304 18/10 satin finish stainless steel SABS approved cistern and flush valve back rail with and includes screws and dowels.																
ACCESSORIES																
PINBOARDS: 2400 x 1140 Wall mounted pinboard with 19x45mm Saligna surround planed and filleted as shown with all corners neatly mitred. Fix surround to wall with screws at 300mm c/c, countersunk and pelleted. 10mm Softboard in long lengths glued to wall with contact adhesive. Finish with two coats eggshell polyurethane varnish.																
CHALKBOARDS: 2400 x 1140 approved Wall mounted Chalkboards to comply with C.K.S.-36-1980 complete with chalk rail as one unit. Fix to wall with, countersunk and pelleted screws.																
SMART BOARDS: Parrot products - IWB – 78" Multi Touch Interactive Board or similar approved. Fitted to wall as recommended by manufacturer. Installation height of min. 1800mm																
WHITE BOARDS: Parrot products -Whiteboard 2400x1200mm - (Magnetic) or similar approved. Supplied with pentray and mounting brackets by manufacturer. Installation height of min. 900mm																
CLOTHES HOOKS: 2 No. Dorma stainless steel hat and coat hook without rubber buffer, Code DHC-SS-030-A, fixed to 220x100x22mm meranti blocking piece with chamfered edges and varnish finish, fixed and plugged to wall.																
WINDOW BLINDS: Windovert vertical blind with 90mm wide vanes, Colour to be specified, size (Refer to plan and window schedule), with 46mm wide x 25mm high top track powder-coated in colour white, face-fixed with clip-on brackets.																
WASTE BIN: Freestanding waste bin, 30–45L capacity, heavy-duty polypropylene or powder-coated steel, ±350mm Ø x 600mm H, with optional flat lid, fire-retardant, non-slip base.																

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Architects & Urban Designers

Pty(Ltd): 2019/293991/07
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132

www.mashadesigns.co.za • sithembele@mashadesigns.co.za

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TITLE: BLOCK D & E WORKING DRAWINGS - FINISHING SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER FL01-06	REVISION -

BLOCK 'E'

FINISHING SCHEDULE 7F

	Foyer 101/112	Passage 102	Kitchenette 102	Bedrooms 103-117	Bathrooms 115/16	Stairs 113/118	Store 119/120	Stairs 201/213	Passage 202	Kitchenette 202	Bedrooms 203-2117	Bathrooms 215/216	Stairs 201/213			
SIGNAGE	Ground Storey							First Storey								
ROOM SIGNAGE: 2mm thick mill finish Aluminium signage plates, Size 500mm long x 100mm high overall, Engraved in 40mm Black Arial bold upper case font lettering, Four times drilled for and screwed and plugged to brick wall, steel with tamper-proof screws.				▨							▨					
GENERAL INFORMATION SIGNS: Fire signage as per fire escape drawing.		▨							▨							
STANDARD ABLUTION SIGNS: Ablution signage as per specialist detail.					▨							▨				
JOINERY																
ADJUSTABLE SHELVES: 'Acrow' System by specialist with a standard frameworks and adjustable panels and shelving boards or similar approved. Final configurations to be determined by end user. (colour - white)			▨	▨						▨	▨					
CABINETS: WORKTOPS: 30mm square edge 'Rustenberg' graniteworktop, by specialist WORKTOP COLOUR: _____ CUPBOARD: CUPBOARD CARCASS 16mm BisonBord 'V313' moisture resistant particleboard with Melamine finish to all surfaces and 2mm high impact edging CUPBOARD DOORS: 16mm BisonBord 'V313' moisture resistant particleboard with Melamine finish to all surfaces and 2mm high impact edging CUPBOARD IRONMONGERY: HANDLES -100mm concealed handle - Gelmar (BSN 8227) or similar HINGES - Slide-on 110 degree hinge with0mm cranking - 2 per door - Gelmar (180) or similar LOCKS - Cam-lock, keyed alike - 1 per door - Gelmar (9041) or similar approved DRAWERS - 16mm BisonBord 'V313' moisture resistant particleboard with Melamine finish to all surfaces and 2mm high impact edging. DRAWERS IRONMONGERY: SLIDES - 500mm telescopic ball bearing drawer runners or similar HANDLES - 100mm Concealed handles - Gelmar (BSN 8227) or similar LOCKS - Cam-lock, keyed alike - 1 / door - Gelmar (9045) or similar SHELVING BOARDS: 16mm BisonBord 'V313' moisture resistant particleboard with Melamine finish to all surfaces and 2mm high impact edging			▨	▨						▨	▨					

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Architects & Urban Designers

Pty(Ltd): 2019/293991/07
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132

www.mashadesigns.co.za • sithembele@mashadesigns.co.za

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TITLE: BLOCK D & E WORKING DRAWINGS - FINISHING SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER FL01-07	REVISION -

Accommodation Block Sanitary Fittings – Accessibility and General Fixtures

Paraplegic Grab Rails (Stainless Steel)

- **Cistern Grab Rail**: 750 mm long, Ø32 mm stainless steel tube, brushed finish. Fixed horizontally behind toilet cistern with stainless steel base plates and dome caps.
- **Side Grab Rail**: 600 mm long, Ø32 mm stainless steel tube, brushed finish. Fixed horizontally adjacent to WC pan at 800–850 mm AFFL.
- **Vertical Grab Rail**: 900 mm long, Ø32 mm stainless steel tube, brushed finish. Fixed vertically adjacent to WC or basin for support.
- **Shower Grab Rail**: 750 mm long, Ø32 mm stainless steel tube, brushed finish. Fixed horizontally inside shower cubicle at 800 mm AFFL.
- **Fixings**: Stainless steel base plates with concealed anchor bolts and dome caps.
- **Compliance**: All grab rails to comply with **SANS 10400-S** (Facilities for persons with disabilities).

Towel Rails (Round Type)

- Material: Mild steel tubing, Ø25 mm, hot-dip galvanised to SANS 121.
- Finish: Plascon Metalcare Zinc Phosphate Primer + Universal Undercoat + Metalcare Enamel (Gloss).
- Length: 600 mm standard.
- Fixing: Concealed stainless steel brackets with anchor bolts.
- Height: 1200 mm AFFL (to centreline).

Shower Curtain Rails & Curtains

- Rail: Mild steel round tube, Ø32 mm, hot-dip galvanised.
- Finish: Plascon Metalcare Enamel (Gloss).
- Curtain: Heavy-duty PVC, mildew-resistant, flame-retardant, washable.
- Size: 1800 × 1800 mm, reinforced eyelets at 150 mm centres.
- Hooks: Stainless steel roller hooks.

Toilet Roll Holders

- Material: Mild steel plate, hot-dip galvanised.
- Finish: Plascon Metalcare Enamel (Gloss).
- Type: Single spindle, lockable cover, concealed fixing plate.
- Height: 650 mm AFFL (to spindle centreline).

Ceramic Soap Holders

- Material: Heavy-duty glazed ceramic, wall-mounted.
- Size: 150 × 100 mm standard recess dish.

- Colour: White (or to architect’s schedule).
- Fixing: Concealed stainless steel brackets with anchor bolts.
- Height: 1100 mm AFFL (to centreline).

Frameless Mirrors with Dome Caps

- Material: 6 mm thick mirror glass, polished edges.
- Size: 600 × 450 mm standard (or to architect’s schedule).
- Backing: Moisture-resistant plywood backing board.
- Fixing: Stainless steel dome caps at corners, concealed brackets behind.
- Height: 1000 mm AFFL (to bottom edge).

Robe Hooks

- Material: Galvanised mild steel, Ø12 mm rod.
- Finish: Plascon Metalcare Enamel (Gloss).
- Fixing: Concealed screws with cover plates.
- Height: 1700 mm AFFL.

Accommodation Signage Block D or E

Project: Reubin Birin School for the Hearing Impaired – Girls or Boys Hostel

Location: Port Elizabeth, Eastern Cape

Date: 09 March 2026

External Signage

Item 1

Description: External Building Identification Sign

Quantity: 1 No.

Specification: Aluminium composite panel, 1200 × 600mm, raised tactile lettering 100mm high, powder-coated, UV-resistant, anti-graffiti finish. Content: “Girls Hostel – Reubin Birin School for the Hearing Impaired.”

Internal Room Identification

Item 2

Description: Bedroom Signs (Rooms 101–112, 201–212)

Quantity: 24 No.

Specification: Acrylic panel with aluminium backing, 200 × 150mm, raised tactile lettering 50mm high + Braille, matte finish. Content: “Bedroom [number].”

Item 3

Description: Bathroom Signs

Quantity: 4 No.

Specification: Same as above. Content: “Bathroom.”

Item 4

Description: Kitchen & Laundry Signs

Quantity: 2 No.

Specification: Same as above. Content: “Kitchen” / “Laundry.”

Item 5

Description: Common Room Sign

Quantity: 1 No.

Specification: Same as above. Content: “Common Room.”

Directional Signage

Item 6

Description: Corridor Junction Directional Signs

Quantity: 6 No.

Specification: Aluminium panel, 600 × 200mm, raised tactile lettering 70mm high, arrows + pictograms. Content: “Exit →”, “Dining Hall →”, “Recreation →”.

Item 7

Description: Staircase Directional Signs

Quantity: 2 No.

Specification: Same as above. Content: “Stairs →”.

Safety Signage

Item 8

Description: Exit Signs

Quantity: 4 No.

Specification: Photoluminescent aluminium, 400 × 150mm, green background, white lettering 100mm high. Mounted above doors at 2000mm AFFL.

Item 9

Description: Fire Equipment Signs

Quantity: 4 No.

Specification: Aluminium panel, 300 × 300mm, red background, extinguisher pictogram. Mounted adjacent to equipment.

Item 10

Description: Emergency Strobe Lights

Quantity: 6 No.

Specification: Flashing strobe lights integrated with fire alarm system. Mounted above doorways and corridor junctions.

Regulatory & Compliance Signage

Item 11

Description: Accessible Bathroom Signs

Quantity: 2 No.

Specification: Blue background, white pictogram (wheelchair), raised tactile lettering + Braille.

Item 12

Description: Restricted Area Signs (Maintenance/Store)

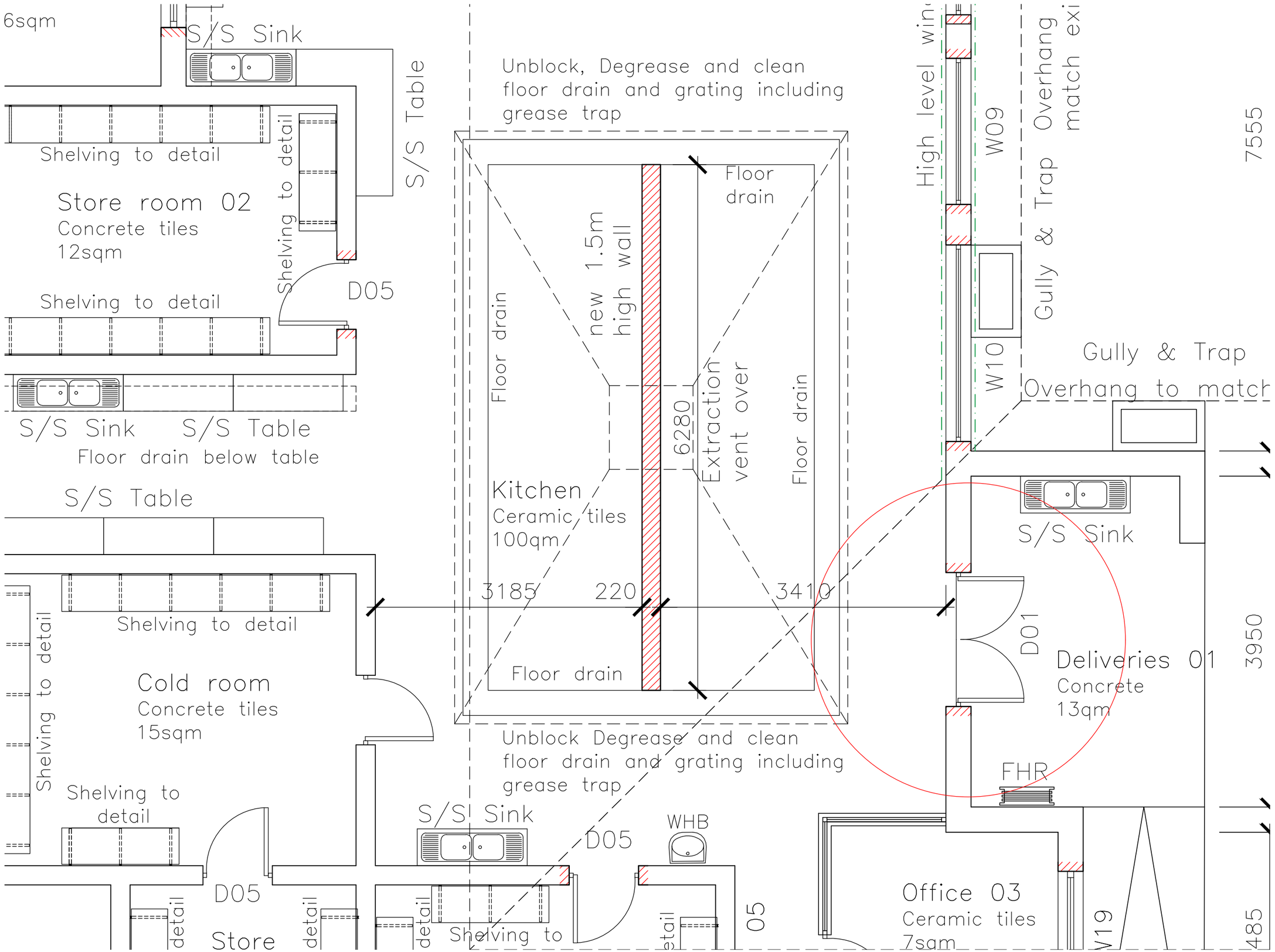
Quantity: 2 No.

Specification: Aluminium panel, 300 × 200mm, yellow background, black lettering. Content: “Authorised Personnel Only.”

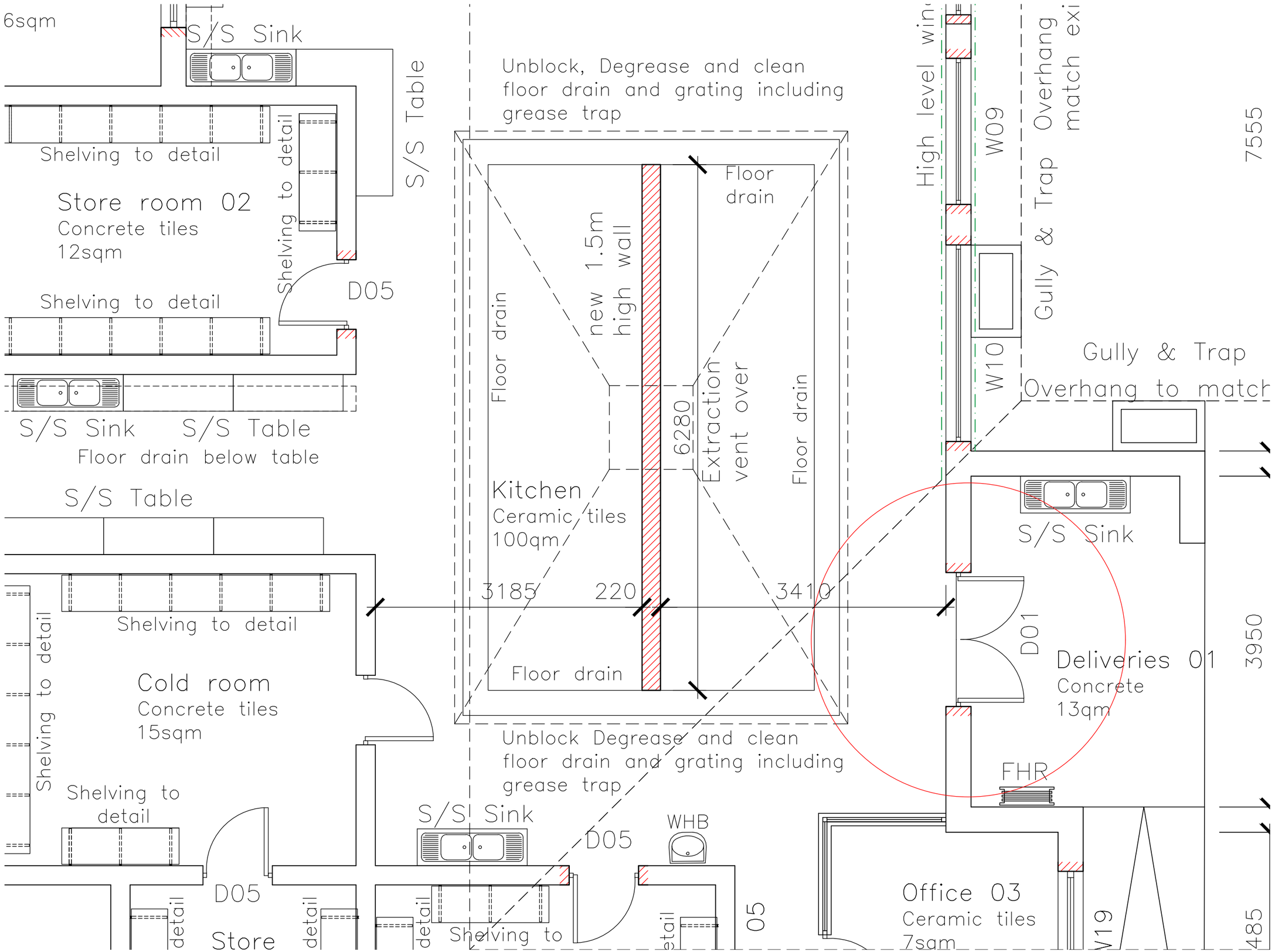
Installation Notes

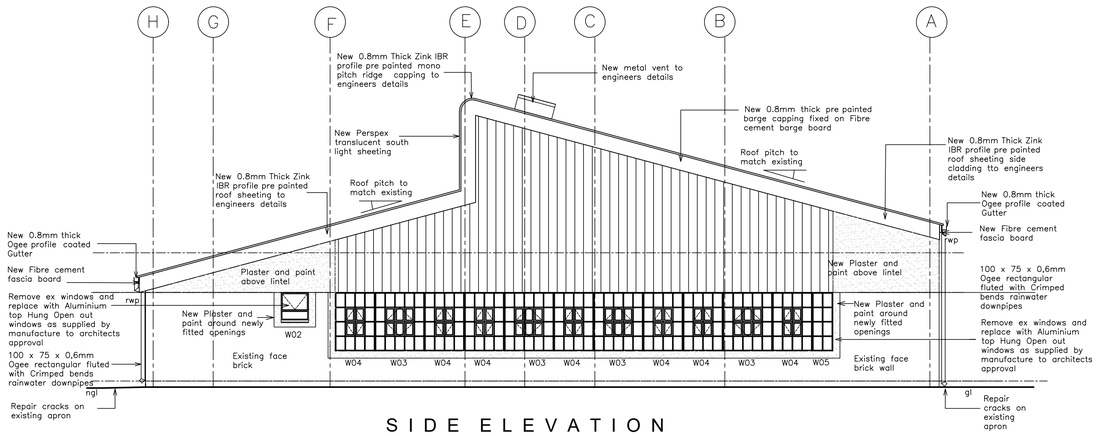
- Mounting height: 1400–1600mm AFFL for internal signs; 2000mm AFFL for exit signs.
- Fixings: Stainless steel screws, tamper-proof heads.
- Compliance: All signage to conform to SANS 1186 standards.

BLOCK G
(KITCHEN PORTION)


6sqm
S/S Sink
S/S Table
Shelving to detail
Shelving to detail
Store room 02
Concrete tiles
12sqm
D05
Shelving to detail
S/S Sink
S/S Table
Floor drain below table
Unblock, Degrease and clean
floor drain and grating including
grease trap
Floor drain
new 1.5m
high wall
Floor drain
6280
Extraction
vent over
Floor drain
Kitchen
Ceramic tiles
100qm
3185
220
3410
Floor drain
Unblock Degrease and clean
floor drain and grating including
grease trap
High level win
W09
Gully & Trap Overhang
match exi
7555
W10
Gully & Trap
Overhang to match
S/S Sink
D01
Deliveries 01
Concrete
13qm
3950
FHR
S/S Table
Shelving to detail
Cold room
Concrete tiles
15sqm
Shelving to detail
Shelving to
detail
S/S Sink
D05
WHB
D05
Store
detail
detail
detail
Shelving to
detail
05
Office 03
Ceramic tiles
7sqm
V19
485

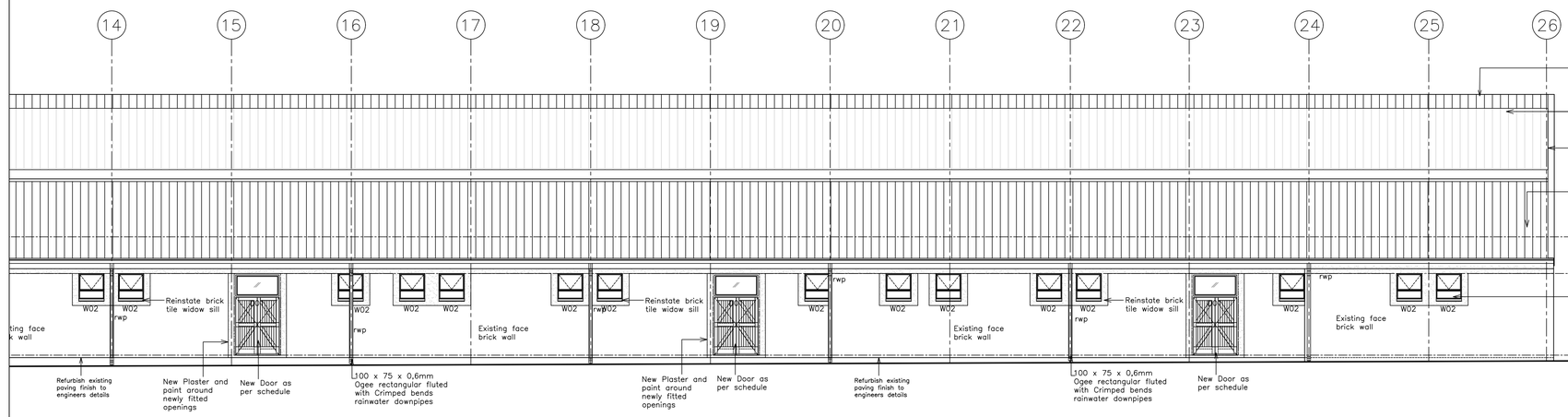
BLOCK M (WORKSHOP)


6sqm
S/S Sink
S/S Table
Shelving to detail
Shelving to detail
Store room 02
Concrete tiles
12sqm
D05
Shelving to detail
S/S Sink
S/S Table
Floor drain below table
Unblock, Degrease and clean
floor drain and grating including
grease trap
Floor drain
new 1.5m
high wall
Floor drain
6280
Extraction
vent over
Floor drain
Kitchen
Ceramic tiles
100qm
3185
220
3410
Floor drain
Unblock Degrease and clean
floor drain and grating including
grease trap
High level win
W09
Gully & Trap Overhang
match exi
7555
W10
Gully & Trap
Overhang to match
S/S Sink
D01
Deliveries 01
Concrete
13qm
3950
FHR
S/S Table
Shelving to detail
Cold room
Concrete tiles
15sqm
Shelving to detail
Shelving to
detail
S/S Sink
D05
WHB
D05
Store
detail
detail
detail
Shelving to
detail
05
Office 03
Ceramic tiles
7sqm
V19
485



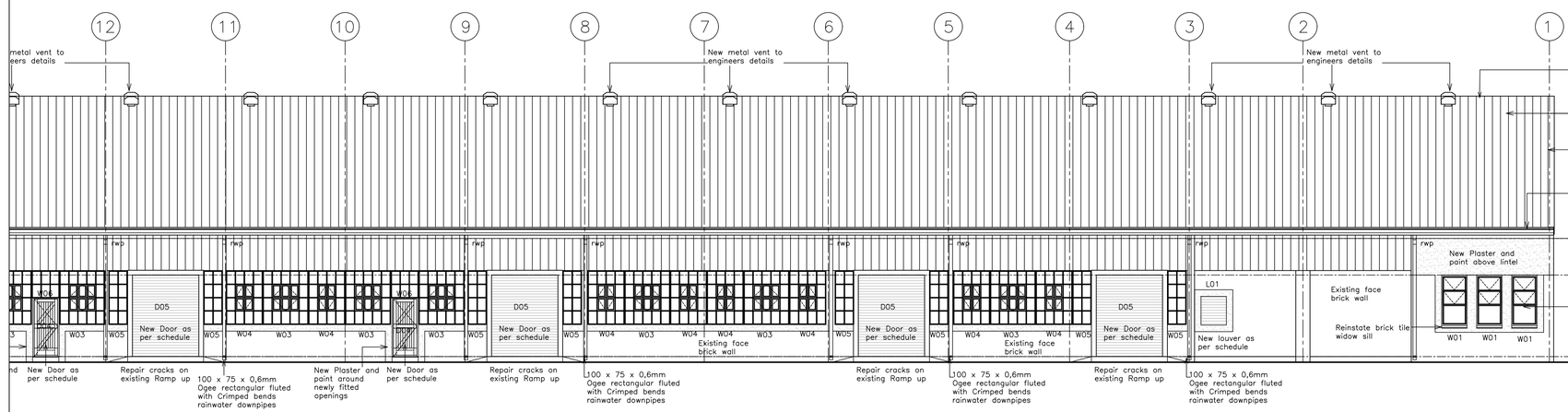
SIDE ELEVATION

SCALE 1:100



FRONT ELEVATION

SCALE 1:100



BACK ELEVATION

SCALE 1:100

CONSTRUCTION NOTES:

ROOF:
Corefully remove existing Asbestos roof sheeting and replace with new IBR 686, 0.8mm Thick Zincalume AZ150 profile longspan roof sheeting fitted with end flashing and "SONDOR" polyclosure on engineers approved cold formed steel lipped channels at approved centres on SISALATION 400 aluminium foil insulation fixed to the underside of existing cold formed steel purlins on existing I section lattice steel frame structure per Engineer/manufacturers specifications.

RAINWATER GOODS:
150 x 125 x 0,8mm Ogee profile gutter thick coated internally and externally in colour to client approval with matching splashplate including cut and mitred angles covered with a mitre strip externally, stop ends riveted and all sealed on the inside with an approved silicone sealer, secured to bullnose metal roof sheets with brackets at using aluminium pop rivets. 110mm Diameter Pvc rainwater downpipes in colour to client approval fixed to wall with straps using nail plugs, with downpipes riveted and silicone sealed to gutter outlets, including all necessary bends, elbows, shoes etc. All applied by specialist strictly in accordance with manufacturers recommendations and specifications.

BARGE BOARD:
0.8mm thick barge capping 462mm girth, fixed to purlins to specialist detail.

FASCIA:
12 x 225mm Pressed flat fascia, fixed to and including two 38 x 38mm batten rails between rafter feet, twice screwed with 12 x 40mm countersunk stainless steel screws at 900mm centres to support battens, fascia joint with PVC H–profile fascia joiner between boards and PVC Hprofile fascia corner joiners at angles.

INSULATION: ALUMINIUM FOIL
New Sisalation Fireshield NC 502 D/S (210gr). Use in conjunction with Galvanised straining wires 275mm apart and 24mm D/s Tape.

CEILING: BOARD CEILING:
LAMBDABOARD laminated polyisocyanurate core board with (density 34 kg/m³), with a minimum thickness of 50mm. Faced with glass tissue and clear LDPE laminate both sides, supplied in 1220mm widths. To be fixed on the inner leaf of cavity wall using galvanized cavity ties.

CEILING: OFFICES
Remove existing ceiling and cornice, replace with new Gypsum 12mm Thick "Rhinoboard" nail up ceiling complete with Meranti cover strips and Gypsum 70mm Cornice on 50 x 50mm S. A. Pine brandering at 380mm centres fixed to 50 x 150mm S. A. Pine suspended frame resting on perimeter walls fixed with flat head clout nails and in accordance to manufactures specification.

WALLS: EXISTING
All existing plastered walls of entire dwelling to be inspected and cracks, blemishes, openings made good and all painted as per Plascon paints recommended systems of preparation and painting for existing walls. STRUCTURAL PROBLEMS TO BE ADVISED BY STRUCTURAL ENGINEER.
ALL PLUMBING AND ELECTRICAL CHASING TO BE COMPLETED BEFORE ANY PLASTER WORK IS COMMENCED.

WALL:
Wall thicknesses as per floor plans with 15mm smooth plaster and paint internally and externally as indicated. ALL PLUMBING AND ELECTRICAL CHASING TO BE COMPLETED BEFORE ANY PLASTER WORK IS COMMENCED. Brikgrip strip dpc laid at level of top of surface bed, with brickforce every fourth course and wall ties 5/m². Plastered walls to be filled and prepared for painting and to receive 3x coats 'Plascon' paint as specified in Paint Finishes. All by specialist strictly in accordance with manufacturers recommendations and specifications.

ALUMINIUM WINDOWS:
Aluminium top Hung Open out and Pivot Hinge windows as supplied by manufacture complete with heavy duty industrial grade handles.

DOORS: GENERALLY
All doors to fit OPENINGS as indicated on plan and elevation. Doors manufactured and installed by specialist with clear glazing to NBR as required.
Refer to door schedules.

SKIRTINGS OFFICES:
70x19mm hollow backed meranti skirting. Apply 1x coat Plascon sealer to all surfaces, edges and ends. Apply second coat Plascon sealer once skirting is in place.

SKIRTINGS WORKSHOPS:
75mm high x 20mm thick untinted concrete coved skirting at 25mm dia. Radius to form a continuous skirting adjoining the floor finish with Apply Sikafloor 263 SL two–component epoxy floor coating system comprising primer, self–smoothing epoxy intermediate coat with optional silica sand broadcast for slip resistance, and epoxy seal coat.

Provide seamless finish with minimum total thickness of 0.5–0.7 mm, abrasion, oil and chemical resistant, suitable for workshop use.

Apply strictly in accordance with the manufacturer's specifications. Colour: Light Grey or as approved by Architect.

FLOORING EPOXY:
Prepare concrete surface by mechanical grinding to remove laitance and contaminants and provide a suitable mechanical key. Repair cracks and surface defects with approved epoxy repair mortar.

Apply Sikafloor 263 SL two–component epoxy floor coating system comprising primer, self–smoothing epoxy intermediate coat with optional silica sand broadcast for slip resistance, and epoxy seal coat.

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FLOORING PAVING:
Remove damaged paving and prepare surface for 50 mm thick precast concrete paving bricks (200 100 mm) to match existing laid in stretcher bond on 25 mm bedding sand over 100 mm compacted G5 subbase on prepared subgrade. Joints filled with fine sand and paving compacted with plate compactor. Provide concrete edge restraints to all exposed edges.

FOUNDATIONS:
Indicated dimensions are for standard soil conditions only. If soil conditions are substandard, specifications are to be determined by Engineer. All existing foundations are to be checked by ENGINEER for structural integrity and to be certified as acceptable for any necessary additions before any construction occurs.

PLUMBING:
Connect to municipal sewer as per the approval of the local municipal authority.

PAINTING:
Paint to be as specified or to be equal and approved by Architect/Client. All walls to be moisture tested before any painting commences. 1m² colour sample panels to be fully primed and painted as a sample for approval, internally and externally before remainder of painting commences.

PAINT AND TILING FINISHES:
All surfaces to be clean and dry, free of flaking or oily deposits prior to painting commencing as per manufacturers recommendations. all plastered walls internally and externally to be filled and sanded after undercoat where plaster deficiencies occur.

External walls:
Undercoat and wall preparation all as per manufacturer's specifications. Thereafter 2x coats Plascon 'Wall and All'

Internal walls: Generally
Undercoat and wall preparation all as per manufacturer's specifications. Thereafter, 2x coats Plascon 'Wall and All'.

Ceilings and Cornices:
Undercoat and preparation to manufacturer's specifications and recommendations. Thereafter 2x coats Plascon Polvin Acrylic PVA

All materials to be applied to manufacturers specifications and recommendations. ALL COLOURS TO OWNERS APPROVAL

REVISIONS:

R1	07/03/26	Epoxy floor and paving specification added	



CLIENT
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SIGNATURE:

DEET
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MASHA DESIGN GROUP
Architects & Urban Designers

CONSORTIUM
SIGNATURE:

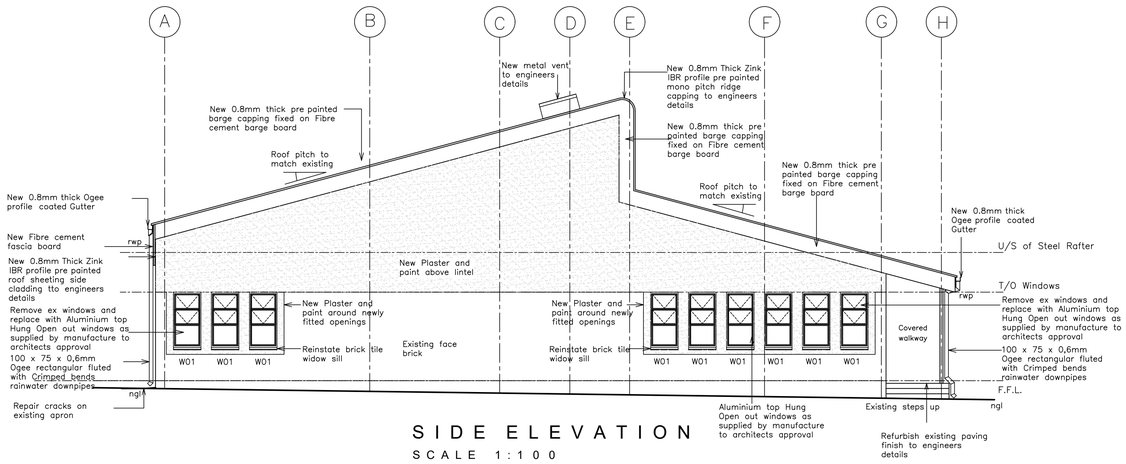
ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

Pty(Ltd): 2019/293991/07
23 Tecoma Street
Berea
East London
5241
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132
www.mashadesigns.co.za • sithembele@mashadesigns.co.za

PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED.

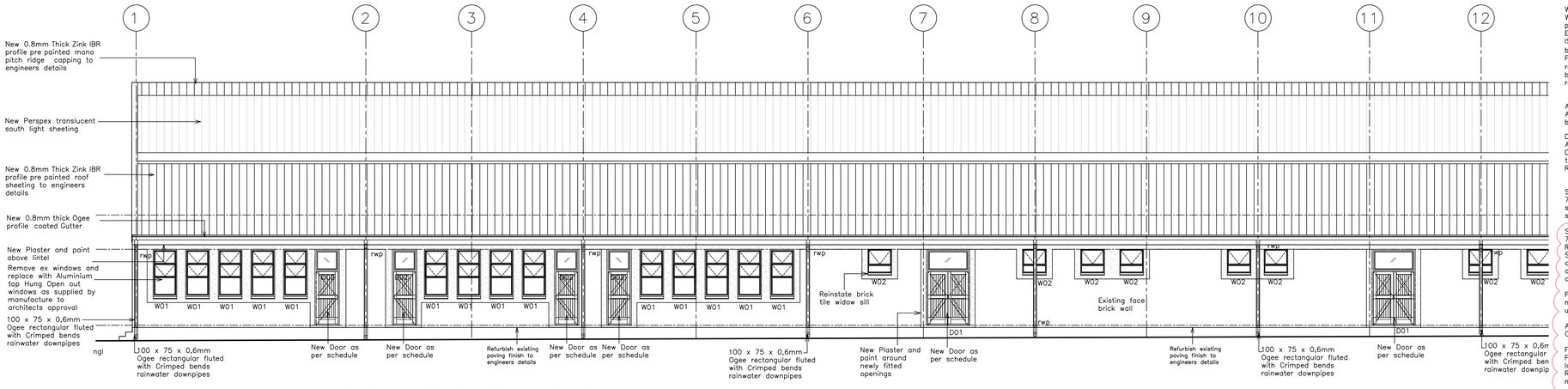
TITLE	BLOCK M - SECTION, ELEVATIONS
SCALE 1:100	DRAWN C QWESHA/S. NGAMLANA
DESIGNED S Maselwa	CHECKED S Maselwa

PROJECT NUMBER 2025-06-19	DATE 25/02/2026	
	DRAWING NUMBER SE 301	REVISION Rev 1



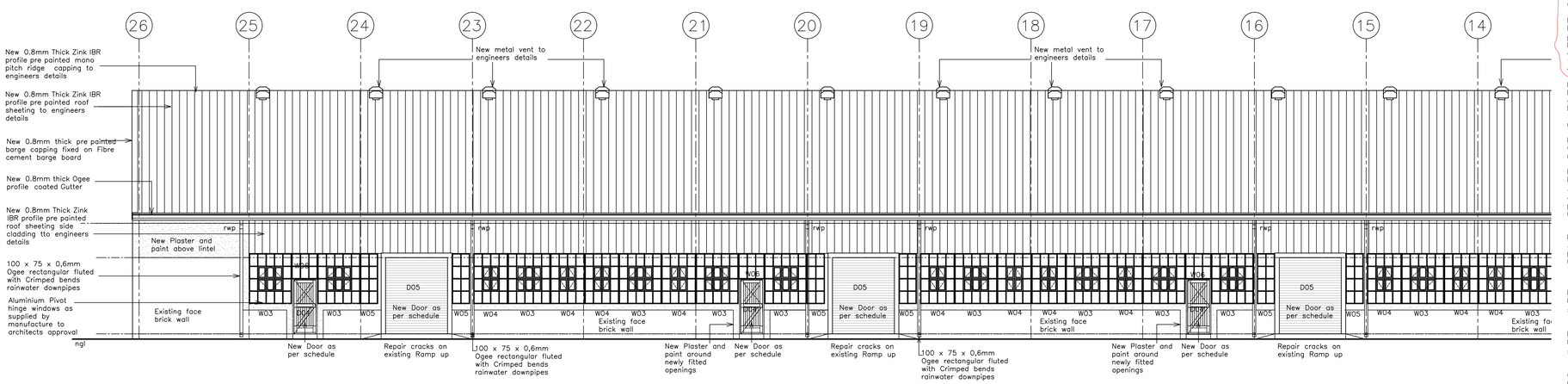
SIDE ELEVATION

SCALE 1:100



FRONT ELEVATION

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BACK ELEVATION

SCALE 1:100

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REVISIONS:

R1	07/03/26	Epoxy floor and paving specification added



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IMPLEMENTING AGENT
SIGNATURE:

DEET
DISABILITY ECONOMIC EMPOWERMENT TRUST

MASHA DESIGN GROUP
Architects & Urban Designers

CONSORTIUM
SIGNATURE:

ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

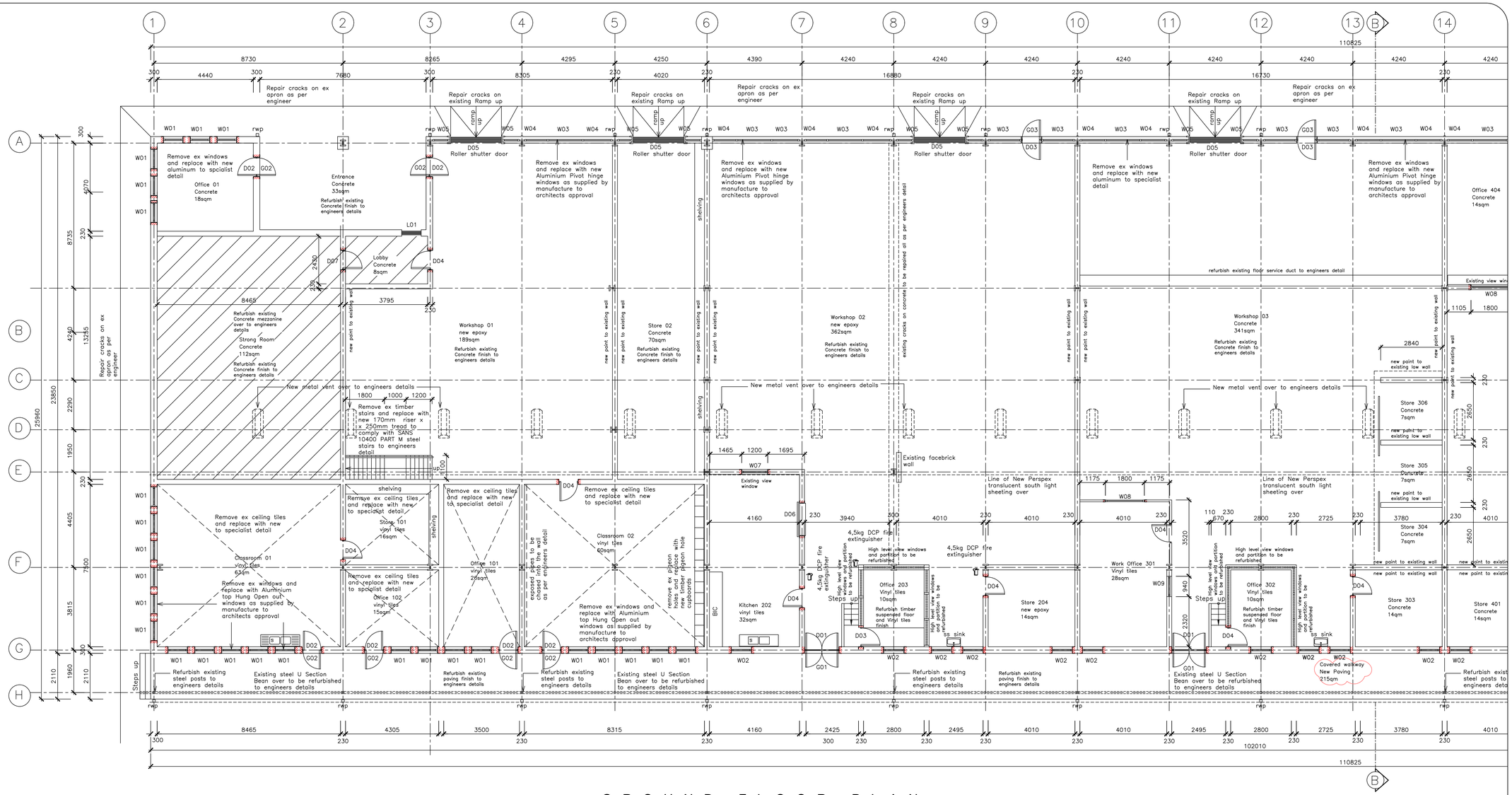
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23 Tecoma Street
Berea
East London
5241
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132
www.mashadesigns.co.za + sithembele@mashadesigns.co.za

PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED.

TITLE BLOCK M - ELEVATIONS

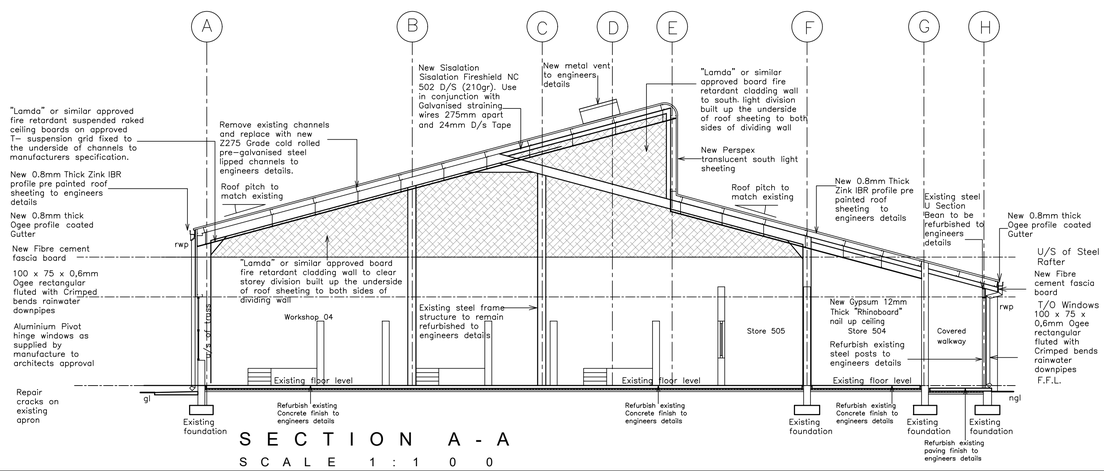
SCALE	DRAWN
1:100	C QWESHA/S. NGAMLANA
DESIGNED	CHECKED
S Maselwa	S Maselwa

PROJECT NUMBER	DATE	
2025-06-19	DRAWING NUMBER	25/02/2026 REVISION
	EL 300	Rev 1



GROUND FLOOR PLAN

SCALE 1 : 1 0 0



SECTION A-A

SCALE 1 : 1 0 0

REVISIONS:

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MASHA DESIGN GROUP Architects & Urban Designers

CONSORTIUM
SIGNATURE:

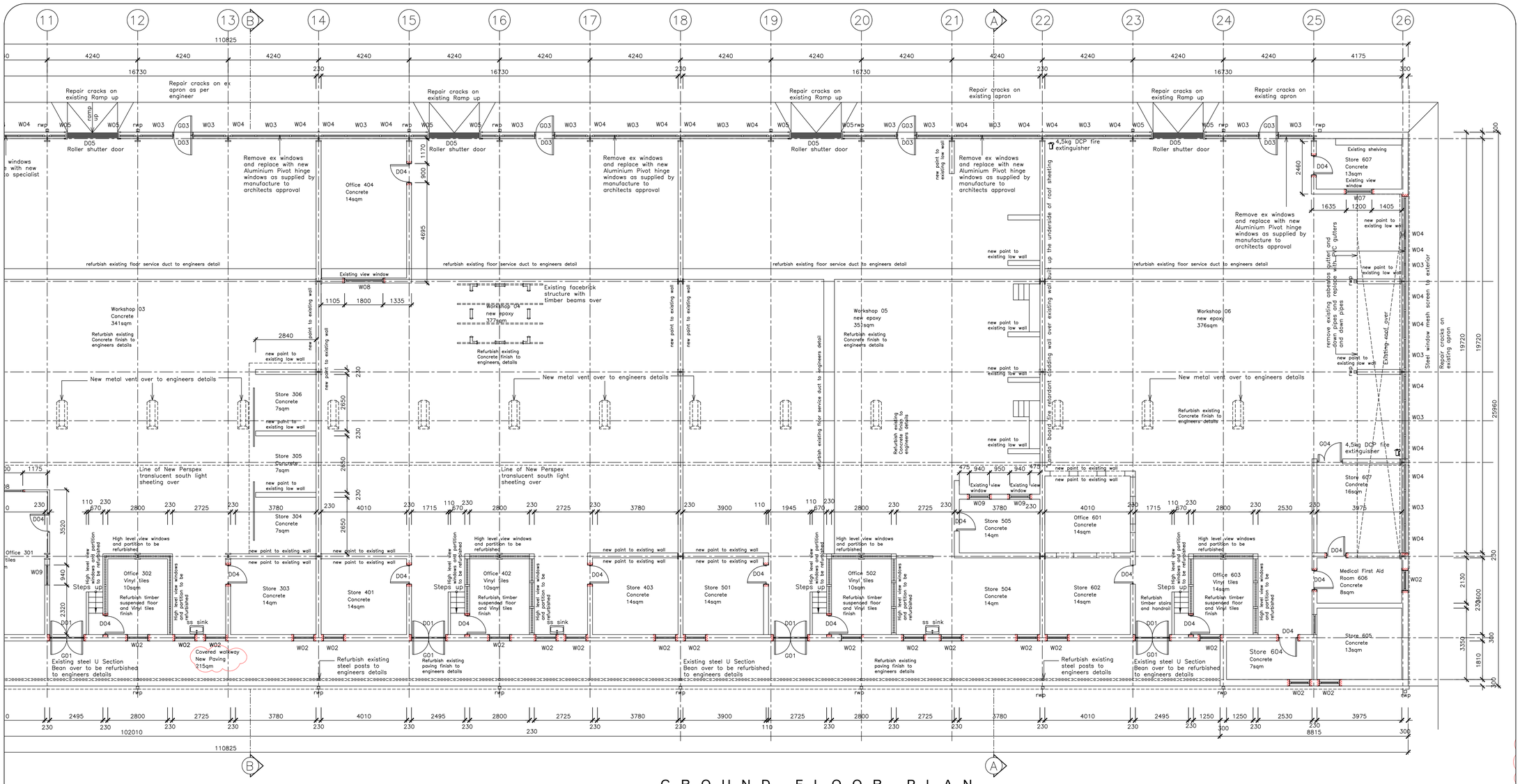
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PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED.

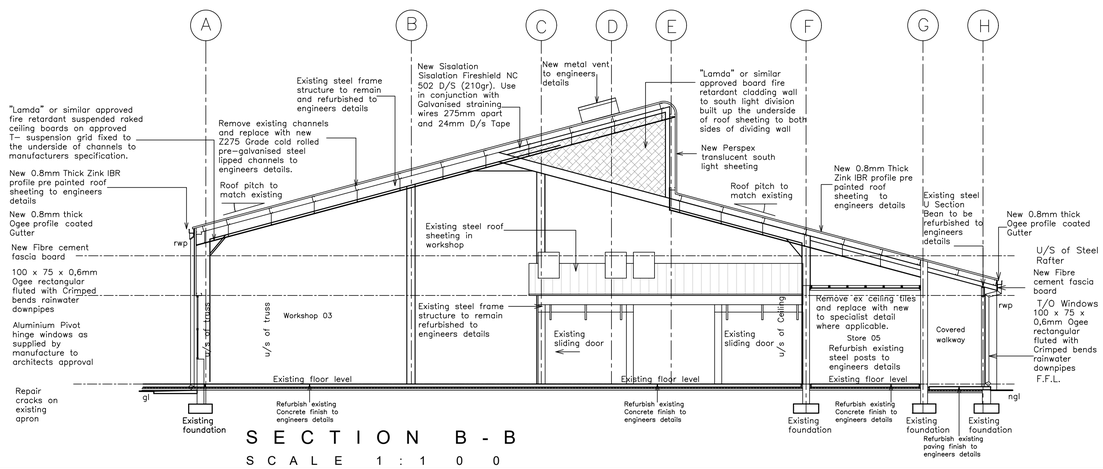
TITLE	BLOCK M - PLAN AND SECTION A - A
SCALE 1:100	DRAWN C QWESHA/S. NGAMLANA
DESIGNED S Maselwa	CHECKED S Maselwa

PROJECT NUMBER 2025-06-19	DATE 25/02/2026	
	DRAWING NUMBER PL 100	REVISION Rev 0



GROUND FLOOR PLAN

Block M - Workshop Block 2792m²



SECTION B - B

SCALE 1:100

REVISIONS:

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MASHA DESIGN GROUP
Architects & Urban Designers

CONSORTIUM
SIGNATURE:

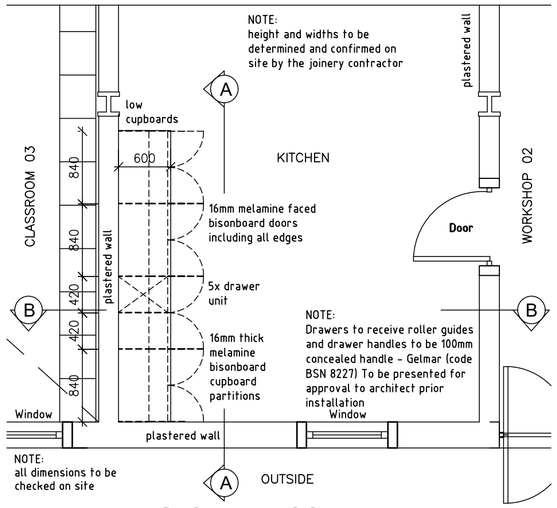
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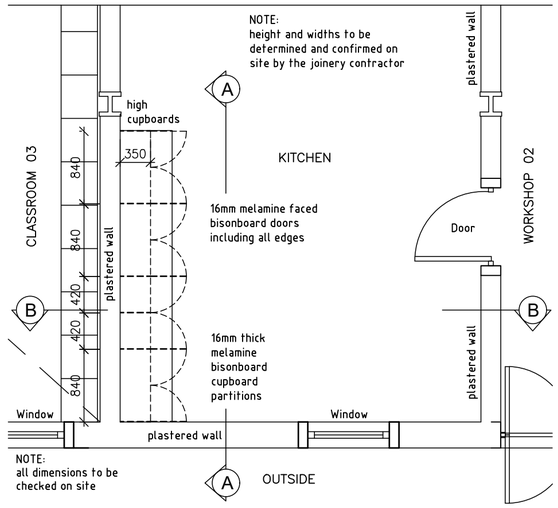
PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED.

TITLE	BLOCK M - PLAN AND SECTION B - B
SCALE 1:100	DRAWN C QWESHA/S. NGAMLANA
DESIGNED S Maselwa	CHECKED S Maselwa
PROJECT NUMBER 2025-06-19	DATE 25/02/2026
DRAWING NUMBER PL 101	REVISION Rev 0

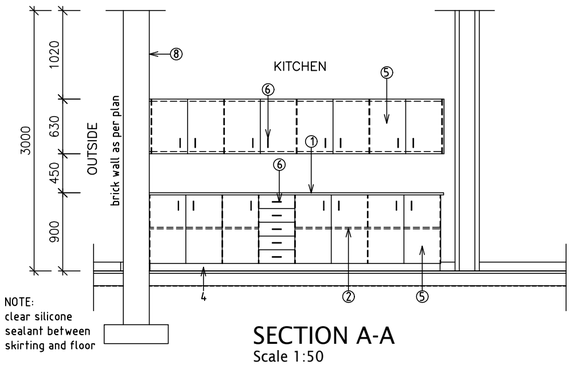
Kitchen



GROUND FLOOR PLAN
Lower Copboards
Scale 1:50



GROUND FLOOR PLAN
Upper Copboards
Scale 1:50



SECTION A-A
Scale 1:50

NOTES FOR THE JOINERY

1. 32mm post formed 'Formica' worktop, Squareline profile on Bisonboard 'V313' high moisture resistant particleboard.
WORKTOP COLOUR: Simply Marble Whisp 3522

2. 16mm BisonBord 'V313' with Melamine finish to all surfaces and 2mm high impact edging
CARCASS COLOUR: White
EDGING COLOUR: White
P.V.C fixing brackets and stainless steel screws.

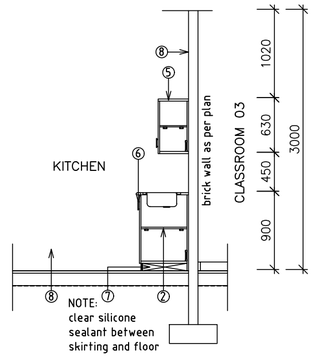
4. 2mm brushed stainless steel (satin finish) kick plate.

5. 16mm BisonBord 'V313' with Melamine finish to all surfaces and 2mm high impact edging
CUPBOARD COLOUR: White

6. 100mm concealed handle - Gelmar (code BSN 8227) or similar approved

7. 85x25mm sap blocking piece at max. 400mm cc fixed to wall and skirting forming cupboard base

8. Wall thicknesses as per floor plans with 15mm smooth plaster and paint



SECTION B-B
Scale 1:50

ClassRoom 01

NOTES FOR THE JOINERY

1. 32mm post formed 'Formica' worktop, Squareline profile on Bisonboard 'V313' high moisture resistant particleboard.
WORKTOP COLOUR: Simply Marble Whisp 3522

2. 16mm BisonBord 'V313' with Melamine finish to all surfaces and 2mm high impact edging
CARCASS COLOUR: White
EDGING COLOUR: White
P.V.C fixing brackets and stainless steel screws.

3. 150mm high Mosaic tiles above worktops fixed to walls with straight joints in both directions with the recommended Ceresit Tylon adhesive and flush pointed with Ceresit Tylon 33 white grout.

4. 2mm brushed stainless steel (satin finish) kick plate.

5. 16mm BisonBord 'V313' with Melamine finish to all surfaces and 2mm high impact edging
CUPBOARD COLOUR: White

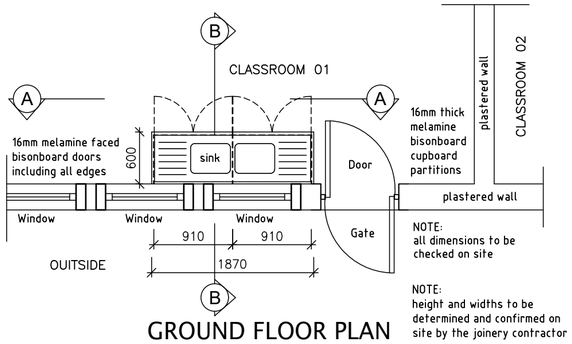
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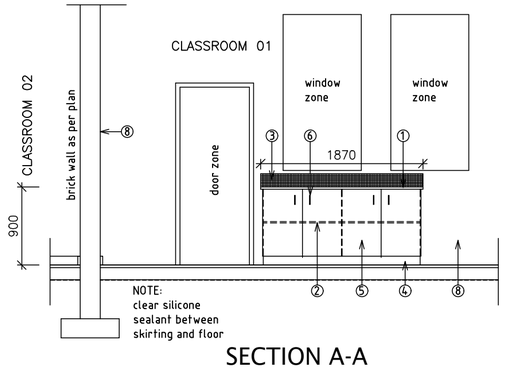
8. Wall thicknesses as per floor plans with 15mm smooth plaster and paint

9. 32mm thick postformed formica counter top with 32x32mm sap painted fixing cleats under either side

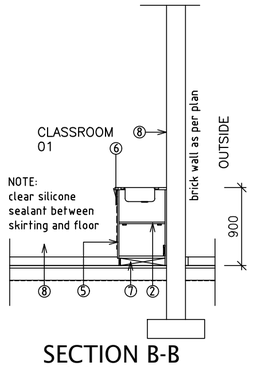
10. 30x30x3mm painted g.m.s. tube bracket worktop support 2x 10mm rawl bolted to blockwork and 3x countersunk screwed to u/s worktop.



GROUND FLOOR PLAN
Scale 1:50



SECTION A-A
Scale 1:50



SECTION B-B
Scale 1:50

CLIENT'S SIGNATURE:

ARCHITECT'S SIGNATURE:
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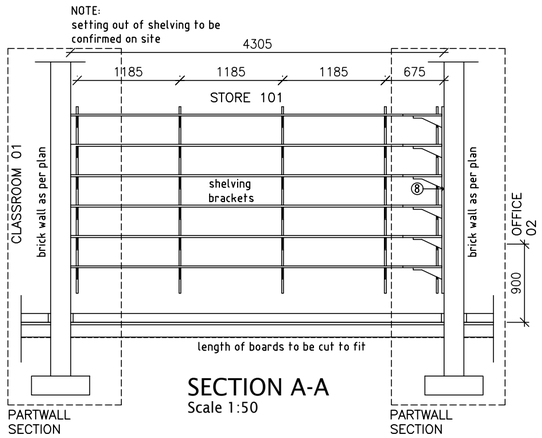
PROJECT
JOINERY DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED.

TITLE
BLOCK M
JOINERY SCHEDULE

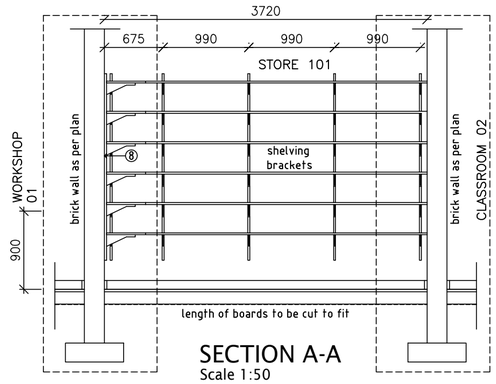
SCALE	DRAWN
1:50	C Qwesha
DESIGNED	CHECKED
S Maselwa	S Maselwa

PROJECT NUMBER	DATE	11/03/2026
2023-07	DRAWING NUMBER	REVISION
	BMJ 100	Rev 0

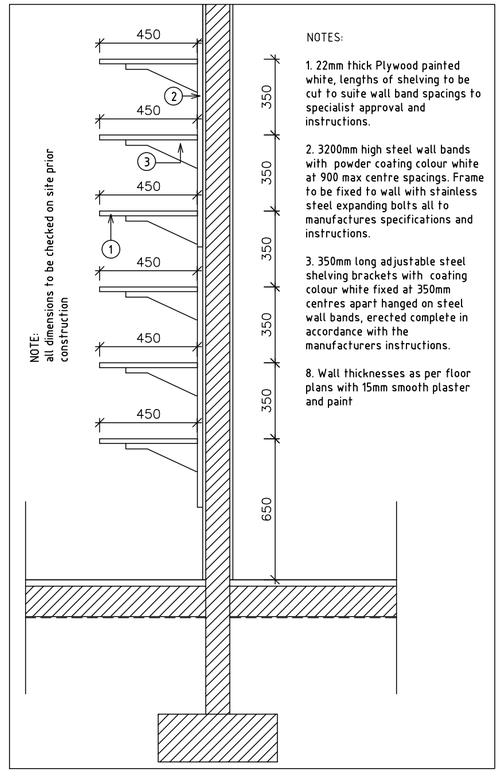
Store Room 101



SECTION A-A
Scale 1:50



SECTION A-A
Scale 1:50



NOTES:

1. 22mm thick Plywood painted white, lengths of shelving to be cut to suite wall band spacings to specialist approval and instructions.

2. 3200mm high steel wall bands with powder coating colour white at 900 max centre spacings. Frame to be fixed to wall with stainless steel expanding bolts all to manufactures specifications and instructions.

3. 350mm long adjustable steel shelving brackets with coating colour white fixed at 350mm centres apart hanged on steel wall bands, erected complete in accordance with the manufacturers instructions.

8. Wall thicknesses as per floor plans with 15mm smooth plaster and paint

NOTES FOR THE JOINERY

1. 32mm post formed 'Formica' worktop, Squareline profile on Bisonboard 'V313' high moisture resistant particleboard.
WORKTOP COLOUR: Simply Marble Whisp 3522

2. 16mm BisonBord 'V313' with Melamine finish to all surfaces and 2mm high impact edging
CARCASS COLOUR: White
EDGING COLOUR: White
P.V.C fixing brackets and stainless steel screws.

3. 150mm high Mosaic tiles above worktops fixed to walls with straight joints in both directions with the recommended Ceresit Tylon adhesive and flush pointed with Ceresit Tylon 33 white grout.

4. 2mm brushed stainless steel (satin finish) kick plate.

5. 16mm BisonBord 'V313' with Melamine finish to all surfaces and 2mm high impact edging
CUPBOARD COLOUR: White

6. 100mm concealed handle - Gelmar (code BSN 8227) or similar approved

7. 85x25mm sap blocking piece at max. 400mm cc fixed to wall and skirting forming cupboard base

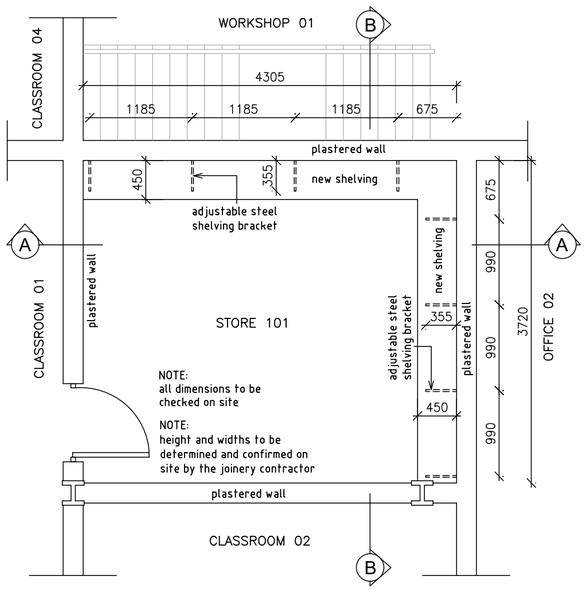
8. Wall thicknesses as per floor plans with 15mm smooth plaster and paint

9. 32mm thick postformed formica counter top with 32x32mm sap painted fixing cleats under either side

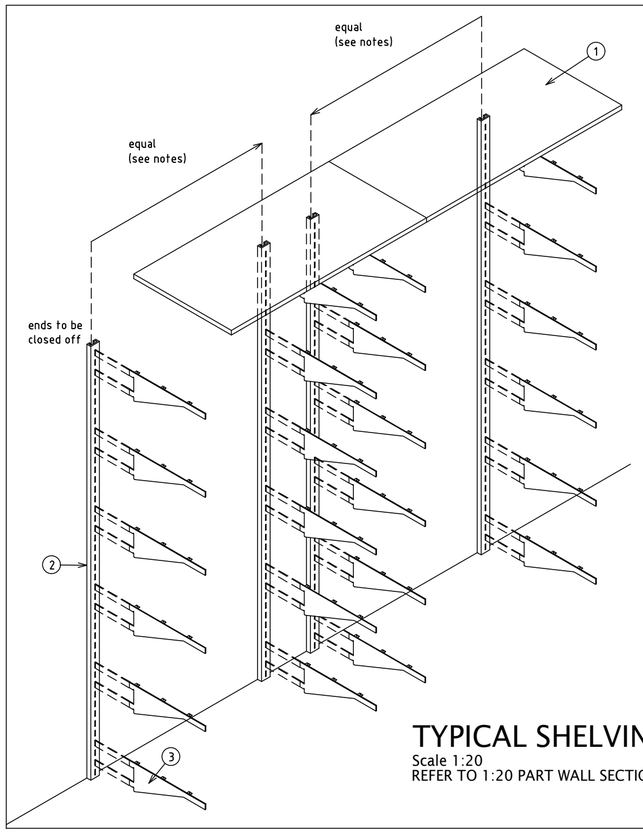
10. 30x30x3mm painted g.m.s. tube bracket worktop support 2x 10mm rawl bolted to blockwork and 3x countersunk screwed to u/s worktop.

11. 16mm thick Plywood painted white, lengths of shelving to be cut to suite wall spacings to specialist approval and instructions.

12. 32mm thick Plywood painted white frame to specialist approval and instructions.



GROUND FLOOR PLAN
Scale 1:50



NOTES:

1. Shelving to be supplied by manufacturer, lengths of shelving to be cut to suite wall band spacings to architects approval and instructions.

2. 3200mm high steel wall bands with powder coating colour white at 900 max centre spacings. Frame to be fixed to wall with stainless steel expanding bolts all to manufactures specifications and instructions.

3. 350mm long adjustable steel shelving brackets with coating colour white fixed at 350mm centres apart hanged on steel wall bands, erected complete in accordance with the manufacturers instructions.

TYPICAL SHELVING
Scale 1:20
REFER TO 1:20 PART WALL SECTIONS

CLIENT'S SIGNATURE:

ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

MASHA DESIGN GROUP
Architects & Urban Designers

Pty(Ltd): 2019/293991/07
23 Tekima Street
Berea
East London
5241
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132
www.mashadesigns.co.za ∘ sithembele@mashadesigns.co.za

PROJECT
JOINERY DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED.

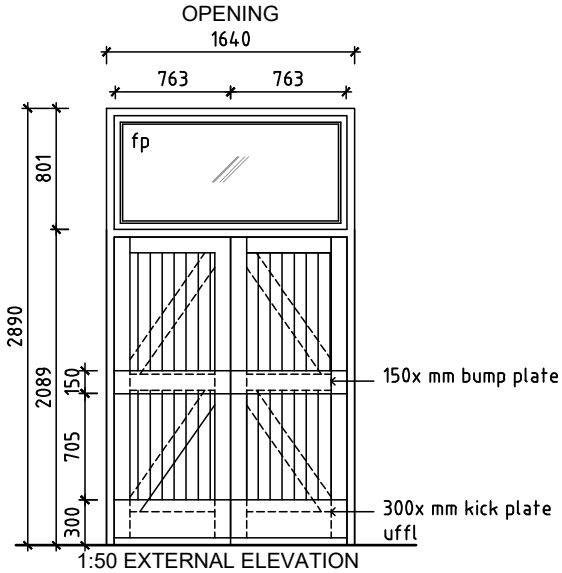
TITLE
BLOCK M
JOINERY SCHEDULE

SCALE	DRAWN
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DESIGNED	CHECKED
S Maselwa	S Maselwa

PROJECT NUMBER	DATE	
2023-07	11/03/2026	
	DRAWING NUMBER	REVISION
	BMJ 200	Rev 0

DOOR SCHEDULE

DOOR TYPE :		D01
LOCATION		Workshop entrance



1:50 EXTERNAL ELEVATION

DOOR NO:	01	FRAME:	
NO REQUIRED:	05		
DESCRIPTION:	1524 X 2032 X 40mm meranti, framed, ledged, braced and battened double rabated double doors comprising : - 108 X 44mm top rail and stiles; 220 X 22mm bottom rail; 114 X 16mm middle rail; 108 X 16mm bracing. Inner edges of framing to be rebated for 6mm masonite ply panelling to match door standard. Weatherboard at bottom of door. Vee joints at door and weatherboard to be sealed with polysulphide sealant.	GLAZING:	6.38mm clear laminated safety glass to fixed fanlight.
		DESCRIPTION:	108 x 70mm Meranti rebated double door frame with with 800mm Fanlight with matching beads anchored to brickwork 3 x. 32mm quadrant all round to door reveals
FINISH:	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.	FINISH	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.
IRON MONGERY:	3 x pairs 100 x 75mm Alumimium Butt Hinges. UNION AL8730AS aluminium, single or multitrack door stop with anodised silver finish. 1 Pair UNION AL8052-150AS flush bolts with anodised silver finish. UNION mortice cylinder lockset comprising aluminium AL6W20-05AS with anodised silver finish , with Euro lock case L-22315-76SS (Standard) with stainless steel forend, Euro profile double cylinder 2x18SCMKD 66mm long, master keyed, with rebate conversion set 2799SC. Water handle on 150 mm Oval backplate. 300mm Stainless Steel Kick Plate & 150mm push plate.	REMARKS:	Any minor damages to door and frame to be rectified. Remove all ironmongery during painting. Colour: to Architect's approval. Confirm opening size prior to manufacture.

GENERAL NOTES:
1. Door swings & positions to be calculated from the floor plans
2. All dimensions and levels are to be checked on site by the contractor prior to construction
3. Any discrepancies on this drawing to be reported to the architect prior to placing orders & construction and/or manufacturing of door/frame
4. All aluminium & steel is to be isolated from one another to prevent galvanication
5. All quantities are to be checked on site by the contractor prior to placing orders
6. All undercutting of doors is to be calculated from mechanical detailed construction drawings
7. All shopfront doors are to be AAAMSA approved.

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23 Tecoma Street
Berea
East London 5247
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tel. 043 555 0225
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info@mashadesigns.co.za

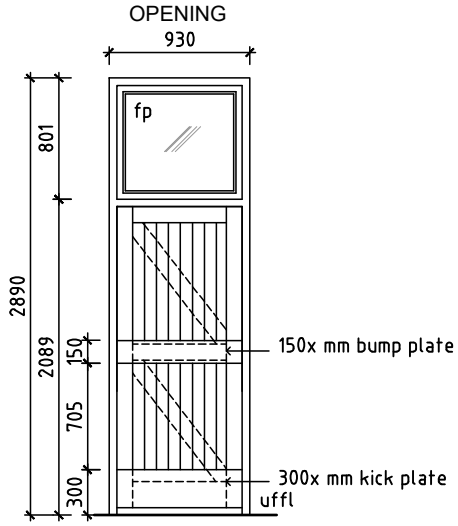
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING WORKSHOP BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

TITLE: BLOCK M - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER 2025-06	DATE 25/02/2026	SCALE 1:50
	DRAWING NUMBER PL250619	REVISION -

DOOR SCHEDULE

DOOR TYPE :		D02
LOCATION		Workshop 01, Office 01, Office 02, Classroom 01, Office 101, Classroom 02



1:50 EXTERNAL ELEVATION

DOOR NO:	02	FRAME:	
NO REQUIRED:	06		
DESCRIPTION:	813 X 2032 X 40mm meranti, framed, ledged, braced and battened single doors comprising : - 108 X 44mm top rail and stiles; 220 X 22mm bottom rail; 114 X 16mm middle rail; 108 X 16mm bracing. Inner edges of framing to be rebated for 6mm masonite ply panelling to match door standard. Weatherboard at bottom of door. Vee joints at door and weatherboard to be sealed with polysulphide sealant.	GLAZING:	6.38mm clear laminated safety glass to fixed fanlight.
		DESCRIPTION:	108 x 70mm Meranti rebated door frame with with 800mm Fanlight with matching beads anchored to brickwork 3 x. 32mm quadrant all round to door reveals
FINISH:	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.	FINISH	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.
IRON MONGERY:	3 x pairs 100 x 75mm Alumimium Butt Hinges. UNION AL8730AS aluminium, single or multitrack door stop with anodised silver finish. UNION mortice cylinder lockset comprising aluminium Waterbok handle on 150mm Oval backplate AL6W20-05AS with anodised silver finish , with Euro lock case L-22315-76SS (Standard) with stainless steel forend, Euro profile double cylinder 2x18SCMKD 66mm long, master keyed. 300mm Stainless Steel Kick Plate & 150mm push plate.	REMARKS:	Any minor damages to door and frame to be rectified. Remove all ironmongery during painting. Colour: to Architect's approval. Confirm opening size prior to manufacture.

GENERAL NOTES:
1. Door swings & positions to be calculated from the floor plans
2. All dimensions and levels are to be checked on site by the contractor prior to construction
3. Any discrepancies on this drawing to be reported to the architect prior to placing orders & construction and/or manufacturing of door/frame
4. All aluminium & steel is to be isolated from one another to prevent galvanication
5. All quantities are to be checked on site by the contractor prior to placing orders
6. All undercutting of doors is to be calculated from mechanical detailed construction drawings
7. All shopfront doors are to be AAAMSA approved.

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Architects & Urban Designers

Pty(Ltd): 2019/293991/07
23 Tecoma Street
Berea
East London 5247
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132
www.mashadesigns.co.za
info@mashadesigns.co.za

PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING WORKSHOP BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

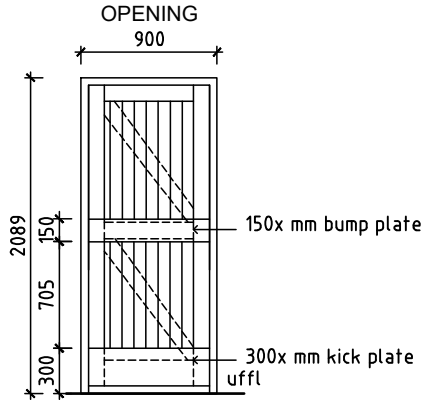
TITLE: BLOCK M - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER 2025-06	DATE 25/02/2026	SCALE 1:50
	DRAWING NUMBER PL250619	REVISION -

813 X 2032 X 40mm meranti, framed, ledged, braced and battened single

DOOR SCHEDULE

DOOR TYPE :		D03
LOCATION		Workshop back entrance



1:50 EXTERNAL ELEVATION

DOOR NO:	03	FRAME:	
NO REQUIRED:	05		
DESCRIPTION:	813 X 2032 X 40mm meranti, framed, ledged, braced and battened single doors comprising : - 108 X 44mm top rail and stiles; 220 X 22mm bottom rail; 114 X 16mm middle rail; 108 X 16mm bracing. Inner edges of framing to be rebated for 6mm masonite ply panelling to match door standard. Weatherboard at bottom of door. Vee joints at door and weatherboard to be sealed with polysulphide sealant.	GLAZING:	None
		DESCRIPTION:	108 x 70mm Meranti rebated door frame anchored to brickwork 3 x. 32mm quadrant all round to door reveals
FINISH:	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.	FINISH	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.
IRON MONGERY:	1/5 x pairs 100 x 75mm Alumimium Butt Hinges. UNION AL8730AS aluminium, single or multitrack door stop with anodised silver finish. UNION mortice cylinder lockset comprising aluminium AL6W20-05AS with anodised silver finish , with Euro lock case L-22315-76SS (Standard) with stainless steel forend, Euro profile double cylinder 2x18SCMKD 66mm long, master keyed. 300mm Stainless Steel Kick Plate & 150mm push plate.	REMARKS:	Any minor damages to door and frame to be rectified. Remove all ironmongery during painting. . Colour: to Architect's approval. Confirm opening size prior to manufacture.

GENERAL NOTES:

1. Door swings & positions to be calculated from the floor plans
2. All dimensions and levels are to be checked on site by the contractor prior to construction
3. Any discrepancies on this drawing to be reported to the architect prior to placing orders & construction and/or manufacturing of door/frame
4. All aluminium & steel is to be isolated from one another to prevent galvanication
5. All quantities are to be checked on site by the contractor prior to placing orders
6. All undercutting of doors is to be calculated from mechanical detailed construction drawings
7. All shopfront doors are to be AAAMSA approved.

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Pty(Ltd): 2019/293991/07

23 Tecoma Street
Berea
East London 5247

cell. 072 573 9905
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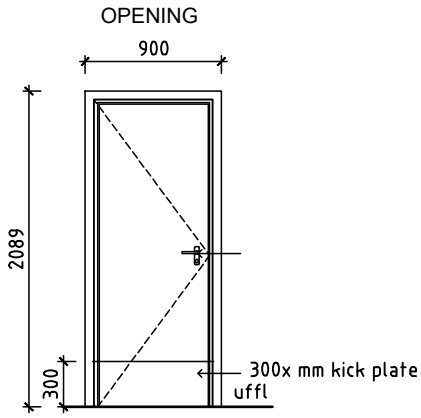
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING WORKSHOP BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

TITLE: BLOCK M - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER 2025-06	DATE 25/02/2026	SCALE 1:50
	DRAWING NUMBER PL250619	REVISION -

DOOR SCHEDULE

DOOR TYPE :		D04
LOCATION		General



1:50 EXTERNAL ELEVATION

DOOR NO:	04	FRAME:	
NO REQUIRED:	22		
DESCRIPTION:	Painted 40x813x2032mm masonite covered solid core door with or equal and approved with hardwood edges.	GLAZING:	None
		DESCRIPTION:	108 x 70mm Meranti rebated door frame anchored to brickwork 3 x. 32mm quadrant all round to door reveals
FINISH:	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.	FINISH	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.
IRON MONGERY:	1/5 x pairs 100 x 75mm Alumimium Butt Hinges. UNION AL8730AS aluminium, single or multitrack door stop with anodised silver finish. UNION mortice cylinder lockset comprising aluminium AL6W20-05AS with anodised silver finish , with Euro lock case L-22315-76SS (Standard) with stainless steel forend, Euro profile double cylinder 2x18SCMKD 66mm long, master keyed.	REMARKS:	Any minor damages to door and frame to be rectified. Remove all ironmongery during painting. Colour to Architect's approval. Confirm opening size prior to manufacture.

GENERAL NOTES:

1. Door swings & positions to be calculated from the floor plans
2. All dimensions and levels are to be checked on site by the contractor prior to construction
3. Any discrepancies on this drawing to be reported to the architect prior to placing orders & construction and/or manufacturing of door/frame
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7. All shopfront doors are to be AAAMSA approved.

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23 Tecoma Street
Berea
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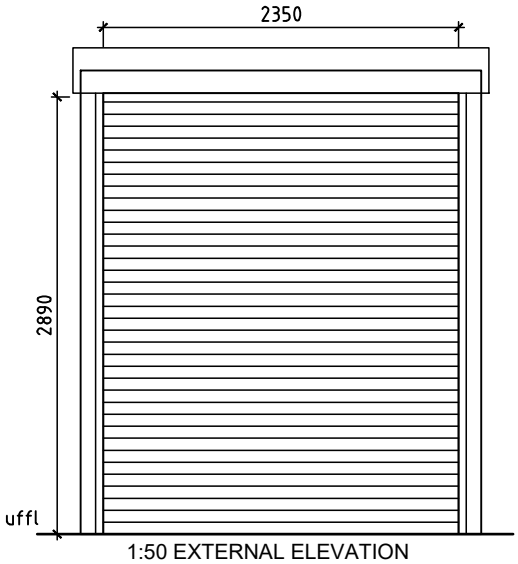
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING WORKSHOP BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

TITLE: BLOCK M - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER 2025-06	DATE 25/02/2026	SCALE 1:50
	DRAWING NUMBER PL250619	REVISION -

DOOR SCHEDULE

DOOR TYPE :		D05
LOCATION		Worshops



1:50 EXTERNAL ELEVATION

DOOR NO:	05	FRAME:	
NO REQUIRED:	07		
DESCRIPTION:	Made from 0.6mm to 1 mm galvanized slat material. with nylon end-locks – less noise, ease of operation. no grease required powder coated in a range of standard colours. Operating mechanism options: Push/pull manual operations, Crank handle, Chain driven and Electrically operated to approval	DESCRIPTION:	Made from 0.6mm to 1 mm galvanized channel fixed to sides in accordance to manufactures specification.
FINISH:	Pre painted finish. colour to architects approval	FINISH	Pre painted finish. colour to architects approval
IRON MONGERY:	Approved chain operation mechanism with locking mechanism as per client and architects	REMARKS:	Any minor damages to door and frame to be rectified. Remove all ironmongery during painting. Colour to Architect's approval Galvanised surfaces to be cleaned down, and painted External section of frame to be painted with bitumen primer. Confirm opening size prior to manufacture.
		GLAZING:	None

GENERAL NOTES:
1. Door swings & positions to be calculated from the floor plans
2. All dimensions and levels are to be checked on site by the contractor prior to construction
3. Any discrepancies on this drawing to be reported to the architect prior to placing orders & construction and/or manufacturing of door/frame
4. All aluminium & steel is to be isolated from one another to prevent galvanication
5. All quantities are to be checked on site by the contractor prior to placing orders
6. All undercutting of doors is to be calculated from mechanical detailed construction drawings
7. All shopfront doors are to be AAAMSA approved.

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23 Tecoma Street
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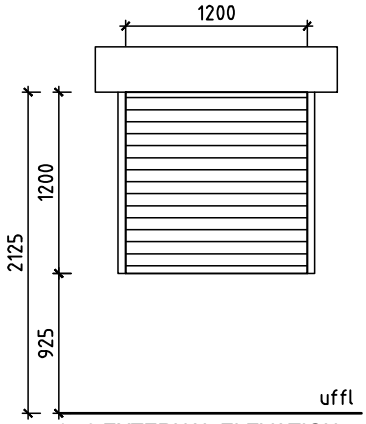
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING WORKSHOP BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

TITLE: BLOCK M - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER 2025-06	DATE 25/02/2026	SCALE 1:50
	DRAWING NUMBER PL250619	REVISION -

DOOR SCHEDULE

DOOR TYPE :		D06
LOCATION		Kitchen 202



1:50 EXTERNAL ELEVATION

DOOR NO:	06	FRAME:	
NO REQUIRED:	01		
DESCRIPTION:	Made from 0.6mm to 1 mm galvanized slat material. with nylon end-locks – less noise, ease of operation. no grease required powder coated in a range of standard colours. Operating mechanism options: Push/pull manual operations, Crank handle, Chain driven and Electrically operated to approval	DESCRIPTION:	Made from 0.6mm to 1 mm galvanized channel fixed to sides in accordance to manufactures specification.
FINISH:	Pre painted finish. colour to architects approval	FINISH	Pre painted finish. colour to architects approval
IRON MONGERY:	Approved chain operation mechanism with locking mechanism as per client and architects	REMARKS:	Any minor damages to door and frame to be rectified. Remove all ironmongery during painting. Colour to Architect's approval Galvanised surfaces to be cleaned down, and painted External section of frame to be painted with bitumen primer. Confirm opening size prior to manufacture.
		GLAZING:	None

GENERAL NOTES:
1. Door swings & positions to be calculated from the floor plans
2. All dimensions and levels are to be checked on site by the contractor prior to construction
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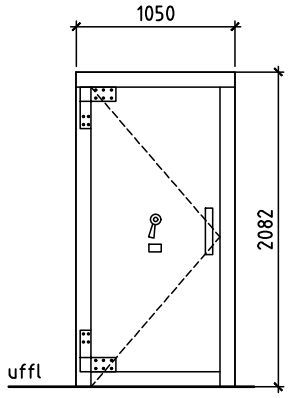
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING WORKSHOP BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

TITLE: BLOCK M - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER 2025-06	DATE 25/02/2026	SCALE 1:50
	DRAWING NUMBER PL250619	REVISION -

DOOR SCHEDULE

DOOR TYPE :		D07
LOCATION		Strong room



1:50 EXTERNAL ELEVATION

DOOR NO:	07	FRAME:	
NO REQUIRED:	01		
DESCRIPTION:	Strong room door to be refurbished	DESCRIPTION:	1.2mm hot dipped galvanised mild steel standard double rebated metal doorframe. frame complete with 1 pair 100mm steel loose pin hinges, rubber door buffers set in frame.For 110 mm Plaster Both sides.
FINISH:	decrease galv frame with approved decreasing agent 1 coat universal undercoat 2 coats Plascon Velvaglo colour to architects approval	FINISH	decrease galv frame with approved decreasing agent 1 coat universal undercoat 2 coats Plascon Velvaglo colour to architects approval
IRON MONGERY:	Strong Room Ironmongery ironmonger to be refurbished	REMARKS:	Any minor damages to door and frame to be rectified. Remove all ironmongery during painting. Colour to Architect's approval Galvanised surfaces to be cleaned down, and painted External section of frame to be painted with bitumen primer.
		GLAZING:	None.

GENERAL NOTES:

1. Door swings & positions to be calculated from the floor plans
2. All dimensions and levels are to be checked on site by the contractor prior to construction
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PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING WORKSHOP BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

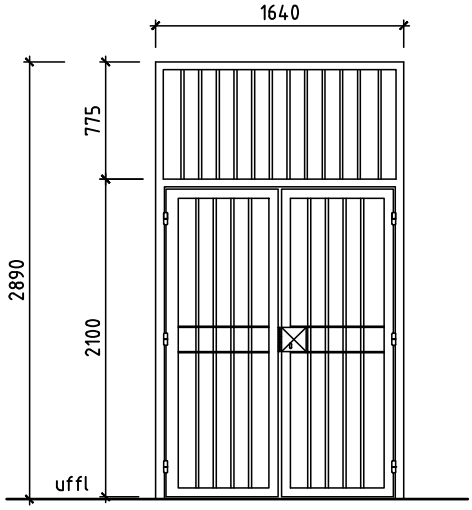
TITLE: BLOCK M - WORKING DRAWINGS - DOOR SCHEDULES

PROJECT NUMBER 2025-06	DATE 25/02/2026	SCALE 1:50
	DRAWING NUMBER PL250619	REVISION -

GATE SCHEDULE

GATE TYPE :		G01
LOCATION		Workshop

OPENING



1:50 EXTERNAL ELEVATION

GATE NO:	01	FRAME:	
NO REQUIRED:	05		
DESCRIPTION:	Purpose-made gms gate. 50x25mm RHS GMS tubing frame with 25x25mm GMS square tubing horizontal brace and No. 6x 15mm square tubing vertical elements spaced equally between frame above and below horizontal brace. As indicated in diagram. Locking mechanism to Client's approval.	GLAZING:	None
		DESCRIPTION:	Purpose-made gms gate. 50x25mm RHS GMS tubing frame bolted with galvanised expansion bolts at least 3 x to wall.
FINISH:	Degrease galv. frame with approved degreasing agent 1 coat Plascon galvanized iron primer 2 coats Super Universal Enamel Colour to Architect's approval	FINISH	Degrease galv. frame with approved degreasing agent 1 coat Plascon galvanized iron primer 2 coats Super Universal Enamel Colour to Architect's approval
IRON MONGERY:	To specialist specification.	REMARKS:	Galvanised surfaces to be cleaned down, and painted.

GENERAL NOTES:

1. Gate swings & positions to be calculated from the floor plans
2. All dimensions and levels are to be checked on site by the contractor prior to construction
3. Any discrepancies on this drawing to be reported to the architect prior to placing orders & construction and/or manufacturing of door/frame
4. All aluminium & steel is to be isolated from one another to prevent galvanication
5. All quantities are to be checked on site by the contractor prior to placing orders
6. All undercutting of doors is to be calculated from mechanical detailed construction drawings
7. All shopfront doors are to be AAAMSA approved.

MASHA DESIGN GROUP
Architects & Urban Designers

Pty(Ltd): 2019/293991/07
23 Tecoma Street
Berea
East London 5247
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132
www.mashadesigns.co.za
info@mashadesigns.co.za

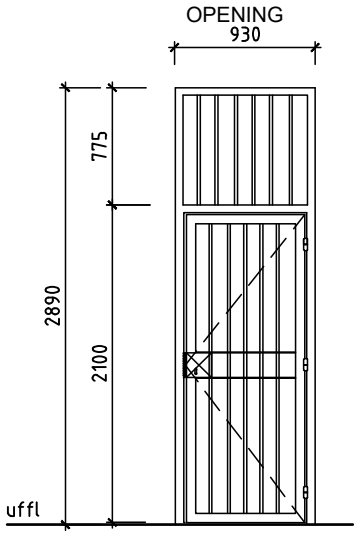
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING WORKSHOP BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

TITLE: BLOCK M - WORKING DRAWINGS - GATE SCHEDULES

PROJECT NUMBER 2025-06	DATE 25/02/2026	SCALE 1:50
	DRAWING NUMBER PL250619	REVISION -

GATE SCHEDULE

GATE TYPE :		G02
LOCATION		Workshop 01, Office 01, Office 02, Classroom 01, Office 101, Classroom 02



1:50 EXTERNAL ELEVATION

GATE NO:	02	FRAME:	
NO REQUIRED:	06		
DESCRIPTION:	Purpose-made gms gate. 50x25mm RHS GMS tubing frame with 25x25mm GMS square tubing horizontal brace and No. 6x 15mm square tubing vertical elements spaced equally between frame above and below horizontal brace. As indicated in diagram. Locking mechanism to Client's approval.	GLAZING:	None
		DESCRIPTION:	Purpose-made gms gate. 50x25mm RHS GMS tubing frame bolted with galvanised expansion bolts at least 3 x to wall.
FINISH:	Degrease galv. frame with approved degreasing agent 1 coat Plascon galvanized iron primer 2 coats Super Universal Enamel Colour to Architect's approval	FINISH	Degrease galv. frame with approved degreasing agent 1 coat Plascon galvanized iron primer 2 coats Super Universal Enamel Colour to Architect's approval
IRON MONGERY:	To specialist specification.	REMARKS:	Galvanised surfaces to be cleaned down, and painted.

GENERAL NOTES:

1. Gate swings & positions to be calculated from the floor plans
2. All dimensions and levels are to be checked on site by the contractor prior to construction
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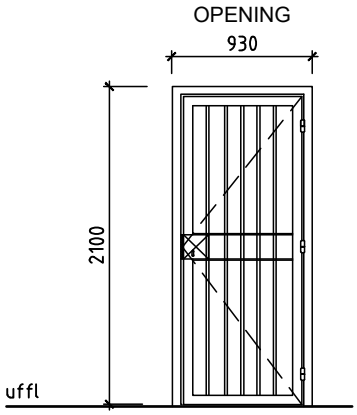
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING WORKSHOP BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

TITLE: BLOCK M - WORKING DRAWINGS - GATE SCHEDULES

PROJECT NUMBER 2025-06	DATE 25/02/2026	SCALE 1:50
	DRAWING NUMBER PL250619	REVISION -

GATE SCHEDULE

GATE TYPE :		G03
LOCATION		Workshops



1:50 EXTERNAL ELEVATION

DOOR NO:	03	FRAME:	
NO REQUIRED:	05		
DESCRIPTION:	Purpose-made gms gate. 50x25mm RHS GMS tubing frame with 25x25mm GMS square tubing horizontal brace and No. 6x 15mm square tubing vertical elements spaced equally between frame above and below horizontal brace. As indicated in diagram. Locking mechanism to Client's approval.	GLAZING:	None
		DESCRIPTION:	Purpose-made gms gate. 50x25mm RHS GMS tubing frame bolted with galvanised expansion bolts at least 3 x to wall.
FINISH:	Degrease galv. frame with approved degreasing agent 1 coat Plascon galvanized iron primer 2 coats Super Universal Enamel Colour to Architect's approval	FINISH	Degrease galv. frame with approved degreasing agent 1 coat Plascon galvanized iron primer 2 coats Super Universal Enamel Colour to Architect's approval
IRON MONGERY:	To specialist specification.	REMARKS:	Galvanised surfaces to be cleaned down, and painted.

GENERAL NOTES:
1. Gate swings & positions to be calculated from the floor plans
2. All dimensions and levels are to be checked on site by the contractor prior to construction
3. Any discrepancies on this drawing to be reported to the architect prior to placing orders & construction and/or manufacturing of door/frame
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5. All quantities are to be checked on site by the contractor prior to placing orders
6. All undercutting of doors is to be calculated from mechanical detailed construction drawings
7. All shopfront doors are to be AAAMSA approved.

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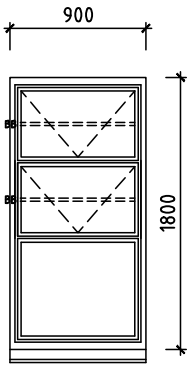
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING WORKSHOP BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

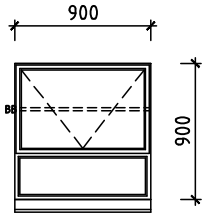
TITLE: BLOCK M - WORKING DRAWINGS - GATE SCHEDULES

PROJECT NUMBER 2025-06	DATE 25/02/2026	SCALE 1:50
	DRAWING NUMBER PL250619	REVISION -

WINDOW SCHEDULE

WINDOW TYPE :	W01	WINDOW TYPE :	W02
LOCATION :	Office 01, Classroom 01, Office 102, Office 101, Classroom 02	LOCATION :	Stores, Offices, Workshops





WINDOW NO:	01	WINDOW NO:	02
NO REQUIRED:	26	NO REQUIRED:	25
DESCRIPTION:	Outward opening out top hung aluminium window frame profile complete with industrial grade friction stays and handles to match existing as supplied by manufacturer.Aluminum burglar bars. NOTE: Opening to be fitted with projection jambs in high traffic areas	DESCRIPTION:	Outward opening out top hung aluminium window frame profile complete with industrial grade friction stays and handles to match existing as supplied by manufacturer.Aluminum burglar bars. NOTE: Opening to be fitted with projection jambs in high traffic areas
FINISH:	Powder coated finish to architect and client approval.	FINISH:	Powder coated finish to architect and client approval.
GLAZING:	6mm clear laminated safety glass,to comply with Part NN3 of S.A.B.S. 0400 - 1990.	GLAZING:	6mm clear laminated safety glass,to comply with Part NN3 of S.A.B.S. 0400 - 1990.
REMARKS:	Any minor damages to window and frame to be reported to client immediately once spotted. Plastic protection to be removed once window has been installed. Confirm opening size prior to manufacture.	REMARKS:	Any minor damages to window and frame to be reported to client immediately once spotted. Plastic protection to be removed once window has been installed. Confirm opening size prior to manufacture.

GENERAL NOTES:

1. Window swings & positions to be calculated from the floor plans
2. All dimensions and levels are to be checked on site by the contractor prior to construction
3. Any discrepancies on this drawing to be reported to the architect prior to placing orders & construction and/or manufacturing of door/frame
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5. All quantities are to be checked on site by the contractor prior to placing orders
6. All undercutting of doors is to be calculated from mechanical detailed construction drawings
7. All shopfront doors are to be AAAMSA approved.

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Pty(Ltd): 2019/293991/07

23 Tecoma Street
Berea
East London 5247

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fax. 086 624 4132

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info@mashadesigns.co.za

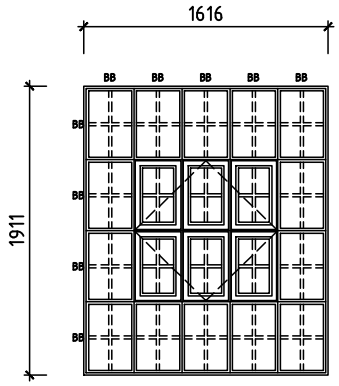
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING WORKSHOP BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

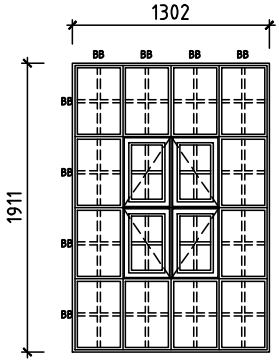
TITLE: BLOCK M - WORKING DRAWINGS - WINDOW SCHEDULES

PROJECT NUMBER	DATE	SCALE
2025-06	25/02/2026	1:50
	DRAWING NUMBER: PL250619	REVISION: -

WINDOW SCHEDULE

WINDOW TYPE :	W03	WINDOW TYPE :	W04
LOCATION :	Workshops	LOCATION :	Workshops





WINDOW NO:	03	WINDOW NO:	04
NO REQUIRED:	24	NO REQUIRED:	28
DESCRIPTION:	Pivot hinge purpose made aluminium window frame profile complete with industrial grade stainless steel stay mechanism and industrial grade handles to match existing as supplied by manufacturer. Aluminum burglar bars to opening sections. NOTE: Coupling profile mullions to join windows to be added.	DESCRIPTION:	Pivot hinge purpose made aluminium window frame profile complete with industrial grade stainless steel stay mechanism and industrial grade handles to match existing as supplied by manufacturer. Aluminum burglar bars to opening sections. NOTE: Coupling profile mullions to join windows to be added.
FINISH:	Powder coated finish to architect and client approval.	FINISH:	Powder coated finish to architect and client approval.
GLAZING:	6mm clear laminated safety glass,to comply with Part NN3 of S.A.B.S. 0400 - 1990.	GLAZING:	6mm clear laminated safety glass,to comply with Part NN3 of S.A.B.S. 0400 - 1990.
REMARKS:	Any minor damages to window and frame to be reported to client immediately once spotted. Plastic protection to be removed once window has been installed. Confirm opening size prior to manufacture.	REMARKS:	Any minor damages to window and frame to be reported to client immediately once spotted. Plastic protection to be removed once window has been installed. Confirm opening size prior to manufacture.

GENERAL NOTES:
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5. All quantities are to be checked on site by the contractor prior to placing orders
6. All undercutting of doors is to be calculated from mechanical detailed construction drawings
7. All shopfront doors are to be AAAMSA approved.

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Pty(Ltd): 2019/293991/07
23 Tecoma Street
Berea
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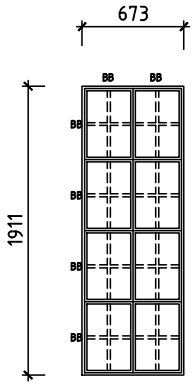
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING WORKSHOP BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

TITLE: BLOCK M - WORKING DRAWINGS - WINDOW SCHEDULES

PROJECT NUMBER	DATE	SCALE
2025-06	25/02/2026	1:50
	DRAWING NUMBER: PL250619	REVISION: -

WINDOW SCHEDULE

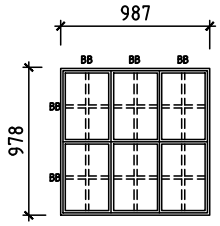
WINDOW TYPE :	W05
LOCATION :	Workshops



WINDOW NO:	05
NO REQUIRED:	15
DESCRIPTION:	Purpose made aluminium fixed window frame profile to match existing as supplied by manufacturer. Coupling profile mullions to join windows to be added..
FINISH:	Powder coated finish to architect and client approval.
GLAZING:	6mm clear laminated safety glass,to comply with Part NN3 of S.A.B.S. 0400 - 1990.
REMARKS:	Any minor damages to window and frame to be reported to client immediately once spotted. Plastic protection to be removed once window has been installed. Confirm opening size prior to manufacture.

WINDOW SCHEDULE

WINDOW TYPE :	W06
LOCATION :	Workshops



WINDOW NO:	06
NO REQUIRED:	05
DESCRIPTION:	Purpose made aluminium fixed window frame profile to match existing as supplied by manufacturer. NOTE: Coupling profile mullions to join windows to be added.
FINISH:	Powder coated finish to architect and client approval.
GLAZING:	6mm clear laminated safety glass,to comply with Part NN3 of S.A.B.S. 0400 - 1990.
REMARKS:	Any minor damages to window and frame to be reported to client immediately once spotted. Plastic protection to be removed once window has been installed. Confirm opening size prior to manufacture.

GENERAL NOTES:

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5. All quantities are to be checked on site by the contractor prior to placing orders
6. All undercutting of doors is to be calculated from mechanical detailed construction drawings
7. All shopfront doors are to be AAAMSA approved.

MASHA DESIGN GROUP
Architects & Urban Designers

Pty(Ltd): 2019/293991/07

23 Tecoma Street
Berea
East London 5247

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fax. 086 624 4132

www.mashadesigns.co.za
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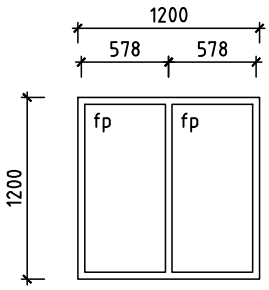
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING WORKSHOP BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

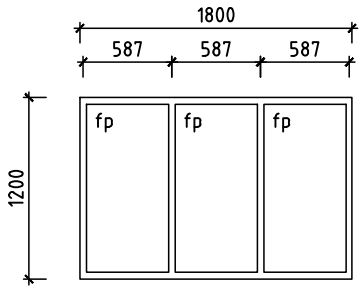
TITLE: BLOCK M - WORKING DRAWINGS - WINDOW SCHEDULES

PROJECT NUMBER 2025-06	DATE 25/02/2026	SCALE 1:50
	DRAWING NUMBER PL250619	REVISION -

WINDOW SCHEDULE

WINDOW TYPE :	W07	WINDOW TYPE :	W08
LOCATION :	Store 607, Kitchen	LOCATION :	Office 404, Office 301





WINDOW NO:	07	WINDOW NO:	08
NO REQUIRED:	02	NO REQUIRED:	02
DESCRIPTION:	69 x44mm Timber viewing panel complete with timber beads fixing,	DESCRIPTION:	69 x44mm Timber viewing panel complete with timber beads fixing,
FINISH:	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.	FINISH:	Prior to door being hung, apply no2 coats Pink primer prior to frame and door installation. no1 coat Plascon undercoat, no2 coats Plascon Velvaglo once door is hung to architect and client approval.
GLAZING:	6mm clear laminated safety glass,to comply with Part NN3 of S.A.B.S. 0400 - 1990.	GLAZING:	6mm clear laminated safety glass,to comply with Part NN3 of S.A.B.S. 0400 - 1990.
REMARKS:	Any minor damages to door and frame to be rectified. Remove all ironmongery during painting. Colour to Architect's approval. Confirm opening size prior to manufacture.	REMARKS:	Any minor damages to door and frame to be rectified. Remove all ironmongery during painting. Colour to Architect's approval. Confirm opening size prior to manufacture.

GENERAL NOTES:

1. Window swings & positions to be calculated from the floor plans
2. All dimensions and levels are to be checked on site by the contractor prior to construction
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7. All shopfront doors are to be AAAMSA approved.

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23 Tecoma Street
Berea
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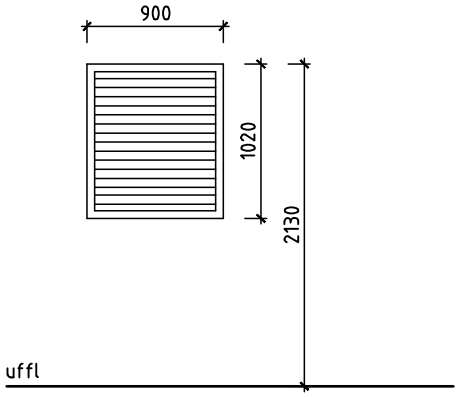
PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING WORKSHOP BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

TITLE: BLOCK M - WORKING DRAWINGS - WINDOW SCHEDULES

PROJECT NUMBER	DATE	SCALE
2025-06	25/02/2026	1:50
	DRAWING NUMBER: PL250619	REVISION: -

LOUVRE SCHEDULE

LOUVRE TYPE		L01
LOCATION		Lobby



LOUVRE NO:	01	FRAME:	
NO REQUIRED:	01		
DESCRIPTION:	Powder coated purpose made louvre to manufactures specification and detail.	GLAZING:	None
		DESCRIPTION:	Supplied complete with similar powder coated door frame by specialist.
FINISH:	Pre coated louvre as per the manufacturer's designs, colour: to client architect and client approval.	FINISH	Pre coated doors as per the manufacturer's designs, colour to client architect and client approval.
IRON MONGERY:	None	REMARKS:	Any minor damages to roller doors and frame to be reported to specialist manufacturer before installation.

GENERAL NOTES:
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Berea
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PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING WORKSHOP BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

TITLE: BLOCK M - WORKING DRAWINGS - LOUVRE SCHEDULES

PROJECT NUMBER 2025-06	DATE 25/02/2026	SCALE 1:50
	DRAWING NUMBER PL250619	REVISION -

BLOCK 'M'

FINISHING SCHEDULE 1F

	Covered Walkway	Entrance	Office 01,02,07	Office 03,04,05	Store 01 -11	Workshops 01-06									
FLOORS															
EXISTING CONCRETE SLAB: to be checked for defects and rehabilitated as per engineer's details															
VINYL TILES: remove existing vinyl finish and strip off fixing material. Install new 300 X 300 X 2.0 mm thick Marley Superflex fully flexible homogeneous vinyl sheeting, fully bonded on smooth screed with heat-welded joints. Skirting: 19x76mm Meranti skirting with 19mm quarter round Prepare, knot and finish 2 coats clear eggshell poly-urethane varnish sanding lightly between coats															
PORCELAIN TILES: remove existing tiles and Install 8.5mm thick Approved "Starline"300x300mm Non-slip Porcelain Tile 2 with 3mm joints and layered level with continuous joints according to manufacturer's specification. Tile joints to be neatly flush-pointed with 'TAL EPOXY GROUT' to manufacturer's specifications Sikirting: 300x300mm matching Tile															
PAVING: existing 220 X 110 X 50 mm interlocking concrete pavers or similar approved to be pressure cleaned and sealed to specialist detail. All floors to be sloped towards existing floor drains. Engineer to confirm floor status prior.															
CONCRETE PAVING: existing 500 X 500 X 50 mm concrete pavers or similar approved to be pressure cleaned and sealed to specialist detail. All floors to be sloped towards existing floor drains. Engineer to confirm floor status prior.															
CARPET: Prepare screed for new Belgotex Berber Point 920 heavy-duty commercial carpet tiles, 500x500mm, tufted loop pile, ±5mm pile height, bitumen-backed, colour selected by architect. Laid with Belgotex-approved adhesive on smooth level screed.															
WALLS															
EXISTING WALL PLASTER: to be checked for defects and the structure to be rehabilitated as per engineer's details															
EXISTING PAINTED WALLS: Chip off all existing plaster and replaster and make good to finish. Apply 1x coat approved plaster primer. Apply 2-3x matt acrylic pva paint as per approved manufacturer's specification. Provide 1x coat alkaline resistant 100% pure acrylic fillercoat for all kitchens & Ablutions. Spread rate 6 square meters per liter.															
EXISTING FACEBRICK WALLS: Clean with Clean with Medium Duty Solvent Detergent solution to remove all contaminations and chalked material. Rinse with clean water to remove all Detergent traces. Apply 1x coat approved primer. Apply 2-3x Water Based Polyurethane Coating as per approved manufacturer's specification															
EXISTING FACEBRICK WALLS: New plaster over existing facebrick and make good to finish. Apply 2-3x Water Based Polyurethane Coating as per approved manufacturer's specification															

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tel. 043 555 0225
fax. 086 624 4132

www.mashadesigns.co.za • sithembele@mashadesigns.co.za

PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING CLASSROOM BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

TITLE: BLOCK M WORKING DRAWINGS - FINISHING SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER FL01-01	REVISION -

BLOCK 'M'

FINISHING SCHEDULE 2F

	Covered Walkway	Entrance	Office 01,02,07	Office 03,04,05	Store 01 -11	Workshops 01-06										
WALLS																
EXISTING TIMBER CLADDING remove existing wood pane cladding, sand down flaking wood treatment, clean dust and debris on wool, apply oil paint suitable for interior wood allow to dry, sand won lightly and apply 2 x Coats and bring to a neat finish. Colour: To client approval																
SPLASHBACK TILES: remove all existing splashbacks tiles and replace with WHITE GLAZED TILES: Matt white glazed ceramic wall tiles size 200x200x6,5mm thick, fixed to existing plaster with approved tile adhesive. 3mm joints continuous in both directions and flush pointed grout. 3x row splashback above whb/sink, countertop.																
WALL TILES: remove all existing wall tiles and replace with WHITE GLAZED TILES: Matt white glazed ceramic wall tiles size 200x200x6,5mm thick, fixed to existing plaster with approved tile adhesive. 3mm joints continuous in both directions and flush pointed grout. Wall tiles to height of 2.1m																
SKIRTING AND WALL TRIMMING																
TIMBER WALL SKIRTING: 19x76mm Meranti skirting with 19mm quarter round. Prepare, knot and finish 1x coat Plascon wall & all to all surfaces, edges and ends. Apply second coat Plascon wall & all once skirting is in place																
TILE SKIRTING: 150mm high x 12mm thick Approved PORCELAIN TILE (R10–R11 slip rating) tile with rounded top edge and smooth transitions with 3mm joints and layered level with continuous joints matching floor. Joints to be neatly flush-pointed with 'TAL EPOXY GROUT' to manufacturer's specifications, Tile to match Wall tile (if applicable) POWER SKIRTING: As recommended by the Electrical Consultant																
GRANO: 75mm high x 20mm thick untinted Granolithic skirting coved at 25mm dia. Radius to form a continuous skirting adjoining the floor finish.																
TIMBER DADO RAIL: 150 x 25 mm hardwood timber dado rail fixed at 900 mm above FFL, top edge rounded 10 mm radius, securely fixed at 400 mm c/c with countersunk screws, sanded smooth and finished with wood primer, undercoat, and 2 coats Plascon wall & all paint																
WALL CORNER PROTECTION: remove all galvanised wall corner prtotectors. Fit 50x50x2mm thick approved aluminium corner wall protection as per manufacturers specification. Corner protection from 150mm up to 750mm, with pre-drilled fixing holes																
CEILING																
NAIL UP CEILING: Gypsum 12mm Thick "Rhinoboard" nail up ceiling complete with Meranti cover strips and Gypsum 70mm Cornice on 38 x 38mm S. A. Pine brandering at 380mm centres fixed with clout nails in accordance to manufactures specification. PAINT FINISH: Primer Coat - Apply 1 coat Plascon Professional Gypsum & Plaster Primer (PP700) & 2x top coats Plascon PVA or similar approved. SHADOWLINE TRIMMING: Pelican SHADOWLINE Plaster Trims PS2, PS3 & PS4 or similar approved. Supply and fit white epoxy coated aluminium with 5mmx25mm anchors at 450mm c/c																

MASHA DESIGN GROUP
Architects & Urban Designers

Pty(Ltd): 2019/293991/07
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132

www.mashadesigns.co.za • sithembele@mashadesigns.co.za

PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING CLASSROOM BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

TITLE: BLOCK M WORKING DRAWINGS - FINISHING SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER FL01-02	REVISION -

BLOCK 'M'

FINISHING SCHEDULE 3F

	Covered Walkway	Entrance	Office 01,02,07	Office 03,04,05	Store 01 -11	Workshops 01-06
CEILING						
NAIL UP CEILING: 6mm thick Nutec fibre cement board. Fixed to38x38mm timber branders at 380mm centres on to 50 x 150mm S. A. Pine suspended frame resting on perimeter walls. PAINT FINISH: Primer Coat - Apply 1 coat Plascon Professional Gypsum & Plaster Primer (PP700) & 2xCoats PVA or similar approved WALL TRIMMING: Pelican SHADOWLINE Plaster Trims PS2, PS3 & PS4 or similar approved. Supply and fit white epoxy coated aluminium with 5mmx25mm anchors at 450mm c/c			▨	▨	▨	
WORKSHOP CEILING: Sisalation 400, Idustrial grade Aluminium foil Sisalation fixed neatly to the underside of purlins with 150mm sealed overlaps as ceiling in accordance to manufacturers specification.		▨				▨
SERVICES						
CO2 FIRE EXTINGUISHER - Fire Extinguisher 5kg CO2 fire extinguisher, size 181mm diameter x 416mm high (total mass: 8,00kg) 21A 144B fire rating at 1400KPa working pressure fitted with standard steel hook fixed to wall or steel stanchion						▨
ELECTRICAL - All existing connections to be confirmed by specialist.			▨	▨		▨
SANITARY WARE						
TAP - GROHE Euroeco Cosmopolitan T, Code 36265000 – chrome-plated self-closing cold-water tap, 7-sec shut-off (adjustable), 5.7 l/min flow limiter, vandal-resistant, SANS 1056 compliant.						
TAP - GROHE Eurosmart Single-Lever Mixer Tap, Model No. 32825000, cold water only, chrome-plated brass, lever handle, swivel spout, mounted at 850–900 mm AFFL, compliant with SANS 1825, suitable for special needs users						
TAP SHOWER HEAD- GROHE Product Code G-36321000G-36321000 4005176896552 Eurosmart Cosmopolitan Brass 20 mm 130 mm 60 mm T Public Taps Colour: Chrome Tempesta Cosmopolitan 100 Description: GROHE Rain 0^2, Rain, Massage ball joint 15deg rotatable shower arm with connection thread 1/2 escutcheon GROHE DreamSpray perfect spray pattern GROHE Long-Life chrome finish SpeedClean anti-lime system Inner WaterGuide for a longer life suitable for instantaneous heaterG-26090001 G-26090001 4005176443992 (l) 150mm x (w) 100mm x (h) 115mm						

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PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING CLASSROOM BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

TITLE: BLOCK M WORKING DRAWINGS - FINISHING SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER FL01-03	REVISION -

BLOCK 'M'

FINISHING SCHEDULE 4F

	Covered Walkway	Entrance	Office 01,02,07	Office 03,04,05	Store 01 -11	Workshops 01-06										
SANITARY WARE																
SHOWER MIXER: Range: Eurosmart Description: set for final installation for 33 961 000, 33 963 000, 33 965 000, 35 501000 without concealed body metal lever GROHE Long-Life finish GROHE FastFixation escutcheon with covered fixation automatic diverter: bath/shower escutcheon and shaft sealing metal wall escutcheon professional edition Product Code: G-19450003 ERP Code: G-19450003 Barcode: 4005176690297 Dimensions: (l) 201mm x (w) 161mm x (h) 119mm Package Weight: 0.95																
PARAPLEGIC ABLUTION: BASIN - Wall Mounted Basin: Vaal Sanitary ware vitreous china 610 x 460mm rectangular "Concorde 610" basin with three semi-punched tapholes (ie available in zero,one,two or three taphole configurations), intergrated overflow, and chainstay hole through the centre semi-punched taphole. Cobra Watertech Elbow action pillar tap square type with blue indice. ¼ turn ceramic disc. ½" BSP male connection inlets. SANS 226 TYPE 2. - For cold water. Fitting sundry Vaal Universal half pedestal and hanger mechanism (code: 715221) Paraplegic Grab rails WC - Vaal Sanitaryware vitreous china "Orchid Wall Hung Pan" top or back inlet 90° , outlet open rim wash down pan and matching 9 litre cistern complete with lid, fitments. purpose made C.P. side-flush lever (left or right) Supplied with purpose made urea seat and cover plate. 32mm outside diameter approved Stainless Steel side grab rail and back grab rail for paraplegic toilet.																
HAND BASIN: Vaal Sanitaryware white Bantam (code 7030) 455mm x 290mm ceramic fireclay heavy duty basin, colour white, on cast iron semi concealed brackets, complete with 32mm CP brass screwed waste fitting, plug, and chain. Cobra Watertech 32mm chrome plated deep seal bottle trap with outlet for 50mm PVC.																
WC: Vaal Sanitaryware "Hibiscus" close coupled 90° outlet complete with lid and fitments. Top dual flush suite (code 772656).																
URINAL - Vaal Sanitary ware 600x385x380mm Flatback wall hung bowl urinal with back inlet urinal including 38mm chromium plated domical grating and spreader, Cobra Watertech Cobratron flush valve ½ inch bsp FI (Code: EL-3004), manufactured in accordance to SANS 1808-35:2004. Cobra Watertech c.p. top inlet spreader (code 8543Z0), and two hangar brackets (code 8127Z0). Cobra Watertech 32mm c.p deep seal bottle trap with outlet for 50mm PVC.																
KITCHEN FITTING: clean and service kitchen equipment by specialist in accordance to manufacturers specifications																

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TITLE: BLOCK M WORKING DRAWINGS - FINISHING SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER FL01-04	REVISION -

BLOCK 'M'

FINISHING SCHEDULE 5F

	Covered Walkway	Entrance	Office 01,02,07	Office 03,04,05	Store 01 -11	Workshops 01-06										
SANITARY WARE																
MIRROR - 6mm thick 400x600mm high mirror glass with polished edges all round with anti-shatter adhesive safety film fixed with 4x stainless steel tamper proof dome cap screws.																
TOWEL RAIL - 19mm Diameter chromium plated on steel towel rail. 900mm long with pair of chromium plated flanged wall brackets screwed to plugs in wall.																
SANITARY WARE																
SOAP DISPENSER: Franke STRX618 or other approved surface mounted satin finish stainless steel soap dispenser size 100 x 134 x 304mm high overall, manufactured with 1,2 or 1,5mm thickness material, soap dispenser incorporates a replaceable and refillable one litre container which is suitable for liquid and antiseptic soaps and lotions, with and including cylinder lock, Franke or other approved standard key and mounting kit.																
TOILET ROLL HOLDER: Franke Stratos STRX 672 or other approved 1,5mm thick grade 304 18/10 satin finish stainless steel toilet roll holders (code: 359716), size 304 x 156 x 140,7mm deep overall for 2 rolls maximum 108mm diameter with spindle system and cylinder lock with standard Franke or other approved key, plugged and screwed to the wall with stainless steel screws and installation to be as per manufactures detailed instructions..																
PAPER TOWEL DISPENSER: Franke Stratos STRX600 or other approved 1,2 or 1,5mm thick satin finished stainless steel paper towel dispenser (code: 2120038), size 300 x 134 x 305mm high with a capacity of 300-400 towels and cylinder lock with standard key, plugged and screwed to the wall with stainless steel screws and installation to be as per manufactures detailed instructions.																
WASTE BIN: Franke Exos 605 or other approved grade 304 18/10 satin finish stainless steel waste bin (code: 2120155), size 300 x 790 x 251mm deep overall with thirty litre capacity, plugged and screwed to the wall with stainless steel screws and installation to be as per manufactures detailed instructions, as per Architects sanitary schedule drawing 3005 issued with these Bills of Quantities.																
TOILET BRUSH HOLDER: Plumline Mahale or other approved polished chrome toilet brush holder, overall size 114mm x 133mm x 369mm high (code: 035683), plugged and screwed to walls with stainless steel screws and installation to be as per manufactures detailed instructions.																

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TITLE: BLOCK M WORKING DRAWINGS - FINISHING SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER FL01-05	REVISION -

BLOCK 'M'

FINISHING SCHEDULE 6F

	Covered Walkway	Entrance	Office 01,02,07	Office 03,04,05	Store 01 -11	Workshops 01-06										
SANITARY WARE																
PARAPLEGIC GRAB RAIL: Franke CNTXPAR or other approved 32mm diameter grade 304 18/10 satin finish stainless steel SABS approved dog leg paraplegic grab rail with and includes screws and dowels, as per Architects sanitary schedule drawing 3005 issued with these Bills of Quantities.																
CISTERN BACK RAIL - Franke CNTXBR or other approved 32mm diameter grade 304 18/10 satin finish stainless steel SABS approved cistern and flush valve back rail with and includes screws and dowels.																
ACCESSORIES																
PINBOARDS: 2400 x 1140 Wall mounted pinboard with 19x45mm Saligna surround planed and filleted as shown with all corners neatly mitred. Fix surround to wall with screws at 300mm c/c, countersunk and pelleted. 10mm Softboard in long lengths glued to wall with contact adhesive. Finish with two coats eggshell polyurethane varnish.																
CHALKBOARDS: 2400 x 1140 approved Wall mounted Chalkboards to comply with C.K.S.-36-1980 complete with chalk rail as one unit. Fix to wall with, countersunk and pelleted screws.																
SMART BOARDS: Parrot products - IWB – 78" Multi Touch Interactive Board or similar approved. Fitted to wall as recommended by manufacturer. Installation height of min. 1800mm																
WHITE BOARDS: Parrot products -Whiteboard 2400x1200mm - (Magnetic) or similar approved. Supplied with pentray and mounting brackets by manufacturer. Installation height of min. 900mm																
CLOTHES HOOKS: 2 No. Dorma stainless steel hat and coat hook without rubber buffer, Code DHC-SS-030-A, fixed to 220x100x22mm meranti blocking piece with chamfered edges and varnish finish, fixed and plugged to wall.																
WINDOW BLINDS: Windovert vertical blind with 90mm wide vanes, Colour to be specified, size (Refer to plan and window schedule), with 46mm wide x 25mm high top track powder-coated in colour white, face-fixed with clip-on brackets.																
WASTE BIN: Freestanding waste bin, 30–45L capacity, heavy-duty polypropylene or powder-coated steel, ±350mm Ø x 600mm H, with optional flat lid, fire-retardant, non-slip base.																
TOOLS PEGBOARD: 114 Pieces Heavy Duty Pegboard Hooks Assortment With Metal Hook Sets, Pegboard and Bins for different Workshops as per client requirements																

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TITLE: BLOCK M WORKING DRAWINGS - FINISHING SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER FL01-06	REVISION -

BLOCK 'M'

FINISHING SCHEDULE 7F

	Covered Walkway	Entrance	Office 01,02,07	Office 03,04,05	Store 01 -11	Workshops 01-06										
SIGNAGE																
ROOM SIGNAGE: 2mm thick mill finish Aluminium signage plates, Size 500mm long x 100mm high overall, Engraved in 40mm Black Arial bold upper case font lettering, Four times drilled for and screwed and plugged to brick wall, steel with tamper-proof screws.																
GENERAL INFORMATION SIGNS: Fire signage as per fire escape drawing.																
STANDARD ABLUTION SIGNS: Ablution signage as per specialist detail.																
JOINERY																
ADJUSTABLE SHELVES: 'Acrow' System by specialist with a standard frameworks and adjustable panels and shelving boards or similar approved. Final configurations to be determined by end user. (colour - white)																
CABINETS: WORKTOPS: 30mm square edge 'Rustenberg' graniteworktop, by specialist WORKTOP COLOUR: _____ CUPBOARD: CUPBOARD CARCASS 16mm BisonBord 'V313' moisture resistant particleboard with Melamine finish to all surfaces and 2mm high impact edging CUPBOARD DOORS: 16mm BisonBord 'V313' moisture resistant particleboard with Melamine finish to all surfaces and 2mm high impact edging CUPBOARD IRONMONGERY: HANDLES -100mm concealed handle - Gelmar (BSN 8227) or similar HINGES - Slide-on 110 degree hinge with0mm cranking - 2 per door - Gelmar (180) or similar LOCKS - Cam-lock, keyed alike - 1 per door - Gelmar (9041) or similar approved DRAWERS - 16mm BisonBord 'V313' moisture resistant particleboard with Melamine finish to all surfaces and 2mm high impact edging. DRAWERS IRONMONGERY: SLIDES - 500mm telescopic ball bearing drawer runners or similar HANDLES - 100mm Concealed handles - Gelmar (BSN 8227) or similar LOCKS - Cam-lock, keyed alike - 1 / door - Gelmar (9045) or similar SHELVING BOARDS: 16mm BisonBord 'V313' moisture resistant particleboard with Melamine finish to all surfaces and 2mm high impact edging																

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PROJECT: PROPOSED RENOVATIONS & ALTERATIONS TO EXISTING CLASSROOM BLOCK AT REUBIN BIRIN SCHOOL FOR THE HEARING IMPARED, PORT ELIZABETH

TITLE: BLOCK M WORKING DRAWINGS - FINISHING SCHEDULES

PROJECT NUMBER	DATE 19/06/2025	SCALE 1:50
2025-06	DRAWING NUMBER FL01-07	REVISION -

Loose School Furniture – Workshop Block (Block M)

Project: Reubin Birin School for the Hearing Impaired

Location: Port Elizabeth, Eastern Cape

Date: 09 March 2026

Workshops (01–06)

- Double Secondary Stackable Tables (Grade 7–12): 12 per workshop × 6 = 72 tables.

Reference: Department of Education Furniture Specifications, page 14.

- Single Secondary Stackable Tables (Grade 7–12): 6 per workshop × 6 = 36 tables.

Reference: page 13.

- Lab Chairs (Grade 7–12): 24 per workshop × 6 = 144 chairs.

Reference: page 21.

- Stationery Cupboards (2-door, shelves): 2 per workshop × 6 = 12 cupboards.

Reference: page 28–29.

- Pigeon Hole Filing Rack (30 divisions): 1 per workshop × 6 = 6 racks.

Reference: page 33.

Stores

- Heavy-duty Stationery Cupboards (2-door, shelves): 2 per store × 12 = 24 cupboards.

Reference: page 28–29.

- Steel Shelving Units: 4 per store × 12 = 48 shelving units.

Reference: Department of Education Furniture Specifications, shelving standard (same section as cupboards).

- Lockable Filing Cabinets: 1 per store × 12 = 12 cabinets.

Reference: page 39.

Classrooms (01–02)

- Double Combination Secondary Desks (Grade 7–12): 15 per classroom × 2 = 30 desks.

Reference: page 9.

- Single Combination Secondary Desks (Grade 7–12): 5 per classroom × 2 = 10 desks.

Reference: page 8.

- Secondary Stackable Chairs (Grade 7–12): 40 per classroom × 2 = 80 chairs.

Reference: page 17.

- Teacher's Classroom Desk (with drawers, lockable): 1 per classroom × 2 = 2 desks.

Reference: page 27.

- Teacher's Chair (upholstered): 1 per classroom × 2 = 2 chairs.

Reference: page 25.

- Stationery Cupboard (2-door, shelves): 1 per classroom × 2 = 2 cupboards.

Reference: page 28–29.

Offices

- Teacher's Office/Staff Room Desk (with drawers): 1 per office × 6 = 6 desks.

Reference: page 26.

- Teacher's Chair (upholstered): 1 per office × 6 = 6 chairs.

Reference: page 25.

- Typist Chairs (Grade 7–12, without wheels): 1 per office × 6 = 6 chairs.

Reference: page 23.

- Filing Cabinet (Principal/Administrator standard): 1 per office × 6 = 6 cabinets.

Reference: page 39.

- Credenza (sliding doors): 1 per office × 6 = 6 credenzas.

Reference: page 40.

Lobby / Administration Area

- Administrator Typist Chairs: 4 units.

Reference: page 23.

- Correspondence Rack (Principal standard): 1 unit.

Reference: page 34.

- Glass Bookcase: 1 unit.

Reference: page 35.

- Library Bookshelf: 2 units.

Reference: page 36.

- Corner Piece (for reception): 1 unit.

Reference: page 37.

Medical First Aid Room

- Upholstered Sick Room Chair: 2 units.

Reference: page 42.

- Stationery Cupboard (lockable, for medical supplies): 1 unit.

Reference: page 28–29.

- Small Desk (Teacher’s Classroom Desk standard): 1 unit.

Reference: page 27.

Totals Across Block M

- Tables: 148 (workshops + classrooms).
- Chairs: 240 (workshops, classrooms, offices, lobby, medical).
- Cupboards: 51 (workshops, stores, classrooms, medical).
- Filing Cabinets: 18 (stores + offices).
- Racks/Bookcases: 10 (pigeon hole racks, correspondence rack, glass bookcase, library shelves).
- Desks: 15 (teacher’s desks, office desks, medical desk).
- Credenzas: 6.
- Corner Piece: 1.

Workshop Signage Block M

Project: Reubin Birin School for the Hearing Impaired – Workshop Block (Block M)

Location: Port Elizabeth, Eastern Cape

Date: 09 March 2026

Item 1:

Description: External Building Identification Sign

Quantity: 1 No.

Specification: Aluminium composite panel, 1500 × 700mm, raised tactile lettering 120mm high, powder-coated, UV-resistant, anti-graffiti finish. Content: “Workshop Block – Reubin Birin School for the Hearing Impaired.”

Item 2:

Description: Workshop Signs (Workshops 01–06)

Quantity: 6 No.

Specification: Acrylic/aluminium backed panels, 250 × 150mm, raised tactile lettering 60mm high + Braille. Content: “Workshop [number].”

Item 3:

Description: Store Signs (Stores)

Quantity: 12 No.

Specification: Same as Item M2. Content: “Store [number].”

Item 4:

Description: Classroom Signs (Classrooms 01–02)

Quantity: 2 No.

Specification: Same as Item M2. Content: “Classroom [number].”

Item 5:

Description: Office Signs (Offices)

Quantity: 6 No.

Specification: Same as Item M2. Content: “Office [number].”

Item 6:

Description: Lobby Sign

Quantity: 1 No.

Specification: Same as Item M2. Content: “Lobby.”

Item 7:

Description: Corridor Junction Directional Signs

Quantity: 6 No.

Specification: Aluminium panel, 600 × 200mm, raised tactile lettering 70mm high, arrows + pictograms. Content: “Exit →”, “Workshop →”, “Stores →”.

Item 8:

Description: Staircase Directional Signs

Quantity: 2 No.

Specification: Same as Item M7. Content: “Stairs →”.

Item 9:

Description: Exit Signs

Quantity: 6 No.

Specification: Photoluminescent aluminium, 400 × 150mm, green background, white lettering 100mm high. Mounted above doors at 2000mm AFFL.

Item 10:

Description: Fire Equipment Signs

Quantity: 6 No.

Specification: Aluminium panel, 300 × 300mm, red background, extinguisher pictogram. Mounted adjacent to equipment.

Item 11:

Description: Emergency Strobe Lights

Quantity: 8 No.

Specification: Flashing strobe lights integrated with fire alarm system. Mounted above doorways, corridor junctions, and workshop entrances.

Item 12:

Description: Hazard Warning Signs (Workshop Areas)

Quantity: 6 No.

Specification: Aluminium panel, 300 × 200mm, yellow background, black lettering. Content: “Caution – Workshop Area.”

Item 13:

Description: Restricted Area Signs (Maintenance)

Quantity: 4 No.

Specification: Aluminium panel, 300 × 200mm, yellow background, black lettering.
Content: “Authorised Personnel Only.”

Item 14:

Description: Medical First Aid Room Sign

Quantity: 1 No.

Specification: Green background, white cross pictogram, raised tactile lettering + Braille.
Content: “First Aid.”

Installation Notes

- Mounting height: 1400–1600mm AFFL for internal signs; 2000mm AFFL for external and exit signs.
- Fixings: Stainless steel screws, tamper-proof heads.
- Compliance: All signage to conform to SANS 1186 standards.

SPECIFICATIONS

ATLAS

PARAPLEGIC CC SIDE FLUSH BOX SET WITH GRAB RAILS (SEAT OPTIONAL)



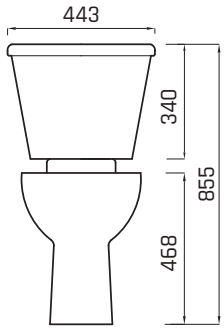
COLOUR	WHITE
MATERIAL	VITREOUS CHINA
CODE	PARSETCCBORAIBE
PAN WEIGHT	18,37KG PAN
MECH CODE	DUTMECPAROCCMUS
CISTERN WEIGHT	14,25KG CISTERN
SEAT	OPTIONAL

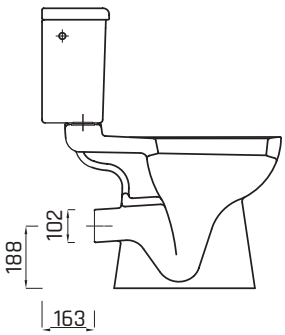
WC SCREW TO FLOOR, FIXING SCREWS NOT SUPPLIED.
SUPPLIED WITH SIDE FLUSH MECHANISM.

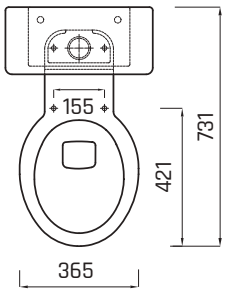
W 443 | H 855 | D 731

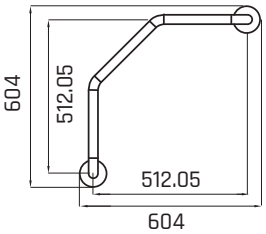
DIMENSIONS FOR WC ONLY

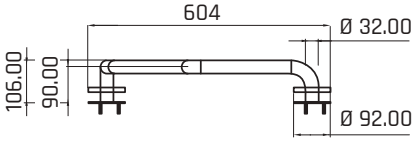
LECICO RESERVE THE RIGHT TO CHANGE THE PRODUCT WITHOUT NOTIFICATION

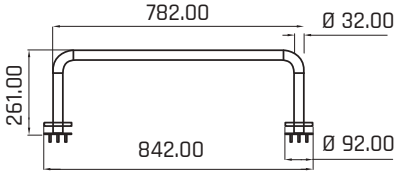


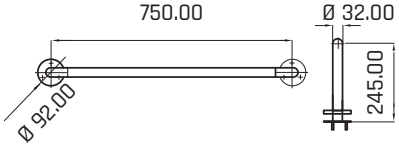


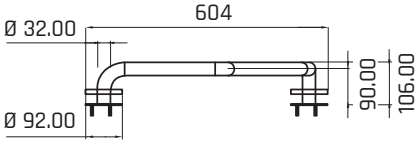












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with STA-TITE®

#2850CPT 000

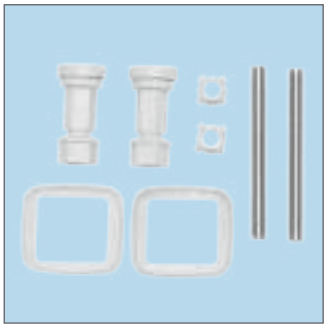
The Buxton STA-TITE® is designed for universal pans and is made from durable, Tecnoplast thermoplastic material. The chrome-plated hinges provide a stylish accent for your bathroom and adjust to help achieve the perfect fit to your pan. This seat features STA-TITE®: the patented fixing system that always stays tight and takes the guesswork out of installation. The lower portion of the nut shears off when the proper tightness is reached, so you cannot over-tighten.











SEAT FEATURES

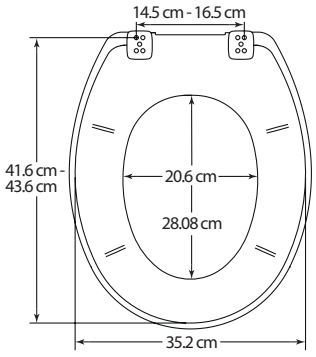
STA-TITE® - patented fixing system that will not loosen! Simple, “no mess” installation ensures your seat stays tight on the pan

Virtually Unbreakable - made from Tecnoplast material that provides superior durability

Recyclable - made from Tecnoplast material that is 100% recyclable

- Tecnoplast thermoplastic offers superior durability
- Adjustable chrome-plated hinges
- Fits majority of manufacturers’ universal shaped pans

SEAT DIMENSIONS



No More Loose Seats!

Try STA-TITE®, the patented Bemis fixing system that will not loosen over time!

"No mess" installation is fast and easy, ensuring your seat stays tight.



STA-TITE®
No More Loose Seats!

Installation is Fast & Easy:

When fitted correctly, the seat will not slip, wobble or shift on the pan. This simple fixing system installs in three basic steps -- no glue required!



Finger Tighten



Tighten with Spanner



Snap to Secure

BEMIS

Control List

dormakaba

PROJECT NAME: SRH03.08.2026. - Renovations For Reubin Birin School For The Hearing Impaired.

REPORT DATE: 10/03/2026

PROFESSIONAL:

REVISION DATE: 08/03/2026

CONSULTANT: Shaun Harvey

REVISION: v 1

Door Number	Hardware Set	Area	Location	MK	KA	Door Material	Handing
D03	01	GIRLS HOSTEL	BEDROOM 103	MK1		TIMBER	SA
D03	01	GIRLS HOSTEL	BEDROOM 104	MK1		TIMBER	SA
D03	01	GIRLS HOSTEL	BEDROOM 105	MK1		TIMBER	SA
D03	01	GIRLS HOSTEL	BEDROOM 106	MK1		TIMBER	SA
D03	01	GIRLS HOSTEL	BEDROOM 107	MK1		TIMBER	SA
D03	01	GIRLS HOSTEL	BEDROOM 108	MK1		TIMBER	SA
D03	01	GIRLS HOSTEL	BEDROOM 109	MK1		TIMBER	SA
D03	01	GIRLS HOSTEL	BEDROOM 110	MK1		TIMBER	SA
D03	01	GIRLS HOSTEL	BEDROOM 111	MK1		TIMBER	SA
D03	01	GIRLS HOSTEL	BEDROOM 107	MK1		TIMBER	SA
D03	01	GIRLS HOSTEL	BEDROOM 114	MK1		TIMBER	SA
D01	02	GIRLS HOSTEL	ENT FOYER	MK1	KA.1	ALUMINIUM	SA DD
D01	02	GIRLS HOSTEL	ENT FOYER	MK1	KA.1	ALUMINIUM	SA DD
G01	03	GIRLS HOSTEL	ENT FOYER	MK1	KA.1	GMS	SA DD
G01	03	GIRLS HOSTEL	ENT FOYER	MK1	KA.1	GMS	SA DD
D06	04	GIRLS HOSTEL	WC			TIMBER	SA
D06	04	GIRLS HOSTEL	WC			TIMBER	SA
D05	05	GIRLS HOSTEL	BATHROOM			TIMBER	SA
D05	05	GIRLS HOSTEL	BATHROOM			TIMBER	SA
D09	07	GIRLS HOSTEL	DUCT	MK1		TIMBER	SA
D07	08	GIRLS HOSTEL	PASSAGE	MK1		TIMBER	SA
D04	06	GIRLS HOSTEL	DISABLED WC			TIMBER	SA
D08	01	GIRLS HOSTEL	UNDER STAIR STORE	MK1		TIMBER	SA
D08	01	GIRLS HOSTEL	UNDER STAIR STORE	MK1		TIMBER	SA
D02	10	GIRLS HOSTEL	STAIRS - FIRE ESCAPE			TIMBER	SA
D02	10	GIRLS HOSTEL	STAIRS - FIRE ESCAPE			TIMBER	SA
D06	04	GIRLS HOSTEL	WC			TIMBER	SA
D06	04	GIRLS HOSTEL	WC			TIMBER	SA
D06	04	GIRLS HOSTEL	WC			TIMBER	SA
D06	04	GIRLS HOSTEL	WC			TIMBER	SA
D07	08	GIRLS HOSTEL	PASSAGE	MK1		TIMBER	SA
D04	11	GIRLS HOSTEL	BEDROOM 203	MK1		TIMBER	SA
D04	11	GIRLS HOSTEL	BEDROOM 204	MK1		TIMBER	SA
D04	11	GIRLS HOSTEL	BEDROOM 205	MK1		TIMBER	SA
D04	11	GIRLS HOSTEL	BEDROOM 206	MK1		TIMBER	SA
D04	11	GIRLS HOSTEL	BEDROOM 207	MK1		TIMBER	SA

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dormakaba

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D04	11	GIRLS HOSTEL	BEDROOM 208	MK1		TIMBER	SA
D04	11	GIRLS HOSTEL	BEDROOM 209	MK1		TIMBER	SA
D04	11	GIRLS HOSTEL	BEDROOM 210	MK1		TIMBER	SA
D04	11	GIRLS HOSTEL	BEDROOM 211	MK1		TIMBER	SA
D04	11	GIRLS HOSTEL	BEDROOM 212	MK1		TIMBER	SA
D04	11	GIRLS HOSTEL	BEDROOM 217	MK1		TIMBER	SA
D04	11	GIRLS HOSTEL	BEDROOM 216	MK1		TIMBER	SA
D04	11	GIRLS HOSTEL	BEDROOM 215	MK1		TIMBER	SA
D04	11	GIRLS HOSTEL	BEDROOM 214	MK1		TIMBER	SA
D04	09	GIRLS HOSTEL	BATHROOM			TIMBER	SA
D02	12	BLOCK MWORKSHOPS	CLASSROOM 01	MK1	KA.2	TIMBER	SA
G02	13	BLOCK MWORKSHOPS	CLASSROOM 01	MK1	KA.2	GMS	SA
D02	11	BLOCK MWORKSHOPS	OFFICE 102	MK1	KA.3	TIMBER	SA
G02	13	BLOCK MWORKSHOPS	OFFICE 102	MK1	KA.3	GMS	SA
D02	11	BLOCK MWORKSHOPS	OFFICE 101	MK1	KA.4	TIMBER	SA
G02	13	BLOCK MWORKSHOPS	OFFICE 101	MK1	KA.4	GMS	SA
D02	12	BLOCK MWORKSHOPS	CLASSROOM 02	MK1	KA.5	TIMBER	SA
G02	13	BLOCK MWORKSHOPS	CLASSROOM 02	MK1	KA.5	GMS	SA
D04	11	BLOCK MWORKSHOPS	STORE 101	MK1		TIMBER	SA
D04	11	BLOCK MWORKSHOPS	OFFICE 202	MK1		TIMBER	SA
D04	11	BLOCK MWORKSHOPS	STORE 204	MK1		TIMBER	SA
D04	11	BLOCK MWORKSHOPS	OFFICE 302	MK1		TIMBER	SA
D04	11	BLOCK MWORKSHOPS	STORE 303	MK1		TIMBER	SA
D03	11	BLOCK MWORKSHOPS	OFFICE 203	MK1		TIMBER	SA
D04	12	BLOCK MWORKSHOPS	CLASSROOM 02	MK1		TIMBER	SA
D04	12	BLOCK MWORKSHOPS	WORK OFFICE 301	MK1		TIMBER	SA
D01	14	BLOCK MWORKSHOPS	WORKSHOP 02	MK1	KA.6	TIMBER	SA DD
G01	03	BLOCK MWORKSHOPS	WORKSHOP 02	MK1	KA.6	GMS	SA DD
D01	14	BLOCK MWORKSHOPS	WORKSHOP 03	MK1	KA.7	TIMBER	SA DD
G01	03	BLOCK MWORKSHOPS	WORKSHOP 03	MK1	KA.7	GMS	SA DD
D02	11	BLOCK MWORKSHOPS	OFFICE 01	MK1	KA.8	TIMBER	SA
G02	13	BLOCK MWORKSHOPS	OFFICE 01	MK1	KA.8	GMS	SA
D02	11	BLOCK MWORKSHOPS	ENTRANCE	MK1	KA.9	TIMBER	SA
G02	13	BLOCK MWORKSHOPS	ENTRANCE	MK1	KA.9	GMS	SA
D05	15	BLOCK MWORKSHOPS	WORKSHOP 01	MK1		GMS	RS

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D05	15	BLOCK MWORKSHOPS	STORE 02	MK1		GMS	RS
D05	15	BLOCK MWORKSHOPS	WORKSHOP 02	MK1		GMS	RS
D05	15	BLOCK MWORKSHOPS	WORKSHOP 03	MK1		GMS	RS
D03	12	BLOCK MWORKSHOPS	WORKSHOP 02	MK1	KA.10	TIMBER	SA
G03	13	BLOCK MWORKSHOPS	WORKSHOP 02	MK1	KA.10	GMS	SA
D03	12	BLOCK MWORKSHOPS	WORKSHOP 03	MK1	KA.11	TIMBER	SA
G03	13	BLOCK MWORKSHOPS	WORKSHOP 03	MK1	KA.11	GMS	SA
D07	16	BLOCK MWORKSHOPS	STRONGROOM			SPECIALIST	SA
D04	12	BLOCK MWORKSHOPS	ENTRANCE	MK1		TIMBER	SA
D04	11	BLOCK MWORKSHOPS	STORE 404	MK1		TIMBER	SA
D04	11	BLOCK MWORKSHOPS	STORE 607	MK1		TIMBER	SA
D04	11	BLOCK MWORKSHOPS	!!!	MK1		TIMBER	SA
D04	11	BLOCK MWORKSHOPS	MEDICAL FIRST AID 606	MK1		TIMBER	SA
D04	11	BLOCK MWORKSHOPS	STORE 606	MK1		TIMBER	SA
D04	11	BLOCK MWORKSHOPS	STORE 606	MK1		TIMBER	SA
D04	11	BLOCK MWORKSHOPS	STORE 505	MK1		TIMBER	SA
D04	11	BLOCK MWORKSHOPS	STORE 502	MK1		TIMBER	SA
D04	11	BLOCK MWORKSHOPS	STORE 501	MK1		TIMBER	SA
D04	11	BLOCK MWORKSHOPS	STORE 403	MK1		TIMBER	SA
D04	11	BLOCK MWORKSHOPS	OFFICE 402	MK1		TIMBER	SA
D04	11	BLOCK MWORKSHOPS	STORE 401	MK1		TIMBER	SA
D05	15	BLOCK MWORKSHOPS	WORKSHOP 04	MK1		GMS	RS
D05	15	BLOCK MWORKSHOPS	WORKSHOP 05	MK1		GMS	RS
D05	15	BLOCK MWORKSHOPS	WORKSHOP 06	MK1		GMS	RS
D03	12	BLOCK MWORKSHOPS	WORKSHOP 04	MK1	KA.12	TIMBER	SA
G03	13	BLOCK MWORKSHOPS	WORKSHOP 04	MK1	KA.12	GMS	SA
D03	12	BLOCK MWORKSHOPS	WORKSHOP 05	MK1	KA.13	TIMBER	SA
G03	13	BLOCK MWORKSHOPS	WORKSHOP 05	MK1	KA.13	GMS	SA
D03	12	BLOCK MWORKSHOPS	WORKSHOP 06	MK1	KA.14	TIMBER	SA
G03	13	BLOCK MWORKSHOPS	WORKSHOP 06	MK1	KA.14	GMS	SA
D01	14	BLOCK MWORKSHOPS	WORKSHOP 04	MK1	KA.15	TIMBER	SA DD
G01	03	BLOCK MWORKSHOPS	WORKSHOP 04	MK1	KA.15	GMS	SA DD
D01	14	BLOCK MWORKSHOPS	WORKSHOP 05	MK1	KA.16	TIMBER	SA DD
G01	03	BLOCK MWORKSHOPS	WORKSHOP 05	MK1	KA.16	GMS	SA DD

Control List

dormakaba

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Door Number	Hardware Set	Area	Location	MK	KA	Door Material	Handing
D01	14	BLOCK MWORKSHOPS	WORKSHOP 06	MK1	KA.17	TIMBER	SA DD
G01	03	BLOCK MWORKSHOPS	WORKSHOP 06	MK1	KA.17	GMS	SA DD
G04	03	BLOCK MWORKSHOPS	WORKSHOP 06	MK1		GMS	SA 1,5 LEAF
D06	15	BLOCK MWORKSHOPS	OFFICE 201	MK1		GMS	RS
D03	01	BOYS HOSTEL	BEDROOM 103	MK1		TIMBER	SA
D03	01	BOYS HOSTEL	BEDROOM 104	MK1		TIMBER	SA
D03	01	BOYS HOSTEL	BEDROOM 105	MK1		TIMBER	SA
D03	01	BOYS HOSTEL	BEDROOM 106	MK1		TIMBER	SA
D03	01	BOYS HOSTEL	BEDROOM 107	MK1		TIMBER	SA
D03	01	BOYS HOSTEL	BEDROOM 108	MK1		TIMBER	SA
D03	01	BOYS HOSTEL	BEDROOM 109	MK1		TIMBER	SA
D03	01	BOYS HOSTEL	BEDROOM 110	MK1		TIMBER	SA
D03	01	BOYS HOSTEL	BEDROOM 111	MK1		TIMBER	SA
D03	01	BOYS HOSTEL	BEDROOM 107	MK1		TIMBER	SA
D03	01	BOYS HOSTEL	BEDROOM 114	MK1		TIMBER	SA
D01	02	BOYS HOSTEL	ENT FOYER	MK1	KA.1	ALUMINIUM	SA DD
D01	02	BOYS HOSTEL	ENT FOYER	MK1	KA.1	ALUMINIUM	SA DD
G01	03	BOYS HOSTEL	ENT FOYER	MK1	KA.1	GMS	SA DD
G01	03	BOYS HOSTEL	ENT FOYER	MK1	KA.1	GMS	SA DD
D06	04	BOYS HOSTEL	WC			TIMBER	SA
D06	04	BOYS HOSTEL	WC			TIMBER	SA
D05	05	BOYS HOSTEL	BATHROOM			TIMBER	SA
D05	05	BOYS HOSTEL	BATHROOM			TIMBER	SA
D09	07	BOYS HOSTEL	DUCT	MK1		TIMBER	SA
D07	08	BOYS HOSTEL	PASSAGE	MK1		TIMBER	SA
D04	06	BOYS HOSTEL	DISABLED WC			TIMBER	SA
D08	01	BOYS HOSTEL	UNDER STAIR STORE	MK1		TIMBER	SA
D08	01	BOYS HOSTEL	UNDER STAIR STORE	MK1		TIMBER	SA
D02	10	BOYS HOSTEL	STAIRS - FIRE ESCAPE			TIMBER	SA
D02	10	BOYS HOSTEL	STAIRS - FIRE ESCAPE			TIMBER	SA
D06	04	BOYS HOSTEL	WC			TIMBER	SA
D06	04	BOYS HOSTEL	WC			TIMBER	SA
D06	04	BOYS HOSTEL	WC			TIMBER	SA
D06	04	BOYS HOSTEL	WC			TIMBER	SA
D07	08	BOYS HOSTEL	PASSAGE	MK1		TIMBER	SA
D04	11	BOYS HOSTEL	BEDROOM 203	MK1		TIMBER	SA

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D04	11	BOYS HOSTEL	BEDROOM 204	MK1		TIMBER	SA
D04	11	BOYS HOSTEL	BEDROOM 205	MK1		TIMBER	SA
D04	11	BOYS HOSTEL	BEDROOM 206	MK1		TIMBER	SA
D04	11	BOYS HOSTEL	BEDROOM 207	MK1		TIMBER	SA
D04	11	BOYS HOSTEL	BEDROOM 208	MK1		TIMBER	SA
D04	11	BOYS HOSTEL	BEDROOM 209	MK1		TIMBER	SA
D04	11	BOYS HOSTEL	BEDROOM 210	MK1		TIMBER	SA
D04	11	BOYS HOSTEL	BEDROOM 211	MK1		TIMBER	SA
D04	11	BOYS HOSTEL	BEDROOM 212	MK1		TIMBER	SA
D04	11	BOYS HOSTEL	BEDROOM 217	MK1		TIMBER	SA
D04	11	BOYS HOSTEL	BEDROOM 216	MK1		TIMBER	SA
D04	11	BOYS HOSTEL	BEDROOM 215	MK1		TIMBER	SA
D04	11	BOYS HOSTEL	BEDROOM 214	MK1		TIMBER	SA
D04	09	BOYS HOSTEL	BATHROOM			TIMBER	SA

HARDWARE PER SET

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HARDWARE FOR SET:	01
Hardware Set Quantity :	1
Notes	
Doors (26)	D03, D03, D03, D03, D03, D03, D03, D03, D03, D03, D03, D08, D08, D03, D03, D03, D03, D03, D03, D03, D03, D03, D03, D03, D08, D08

Product Code	Description	Finish	Qty	Units
HBSFM	Other Hinges by steel frame manufacturer.		0	Each
CR001 Latch S.S	dormakaba Lever handle on rose - Latch	Stainless Steel	1	Set
D036S SS	dormakaba Cylinder Sash Lock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm. Centres 61mm.	Stainless Steel	1	Each
DKC206301 MK	dormakaba 63mm - 31.5+31.5mm Europrofile Nickel Plated E-SP 5 Pin Knob Cylinder - Master Keyed	Satin Nickel	1	Each
DCE-002 S.S	dormakaba Round Cylinder escutcheon	Stainless Steel	1	Pair
DDS-SS-017	dormakaba Floor Mounted Door Stop	Stainless Steel	1	Each

HARDWARE PER SET

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HARDWARE FOR SET:	02
Hardware Set Quantity :	1
Notes	Alunininium Fabricator To Utilise R4 - 85mm Upright Styles. This Needed To Suit Lockcase Depth. Aluminium Fabricator To Prepare Bottom Of Door To Accept Doorstop & Holder Specified. Cylinders To Be Keyed Alike To Each Other
Doors (4)	D01, D01, D01, D01

Product Code	Description	Finish	Qty	Units
1040	a 1040 100mm Aluminium Sinkless Hinge, Centre Pin With Standard Alignment Grooving For Easy Fitment		1	Pair
M1519AS	Alufab M1519AS 150mm Anodised Alum Flush Bolts.		2	Each
401SC	Halcastt HALCAST 401SC Doorstop And Holder		2	each
2040	Alufab 2040 200mm Aluminium Sinkless Hinges, Centre Pin, Anodised		2	Each
CR001 Latch S.S	dormakaba Lever handle on rose - Latch	Stainless Steel	1	Set
D036S SS	dormakaba Cylinder Sash Lock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm. Centres 61mm.	Stainless Steel	1	Each
DKC206301 MK	dormakaba 63mm - 31.5+31.5mm Europrofile Nickel Plated E-SP 5 Pin Knob Cylinder - Master Keyed	Satin Nickel	1	Each
DCE-002 S.S	dormakaba Round Cylinder escutcheon	Stainless Steel	1	Pair
DPS-SS-032	dormakaba Dust Proof Strike	Stainless Steel	1	Each

HARDWARE PER SET

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HARDWARE FOR SET:	03
Hardware Set Quantity :	1
Notes	Cylinders To Be Keyed Alike To Each Other
Doors (10)	G01, G01, G01, G01, G01, G01, G01, G04, G01, G01

Product Code	Description	Finish	Qty	Units
166	Halstead 200 mm SC on Brass Cabin Hook and Eye With 100x100x75mm Chamfered Wrot Meranti Block		2	Each
HLBGM	Hinges and lock box by gate manufacture		1	Each
000000	ISEO ISEO 0000007780000 Tropicalised Steel Three Throws Backing Latch Hooks Profile Cylinder Lockcase For Use On either Swing Or Sliding Gates. Cylinder Excluded.	-	1	Each
DDC206301 MK	dormakaba 63mm - 31.5+31.5mm Europrofile Nickel Plated E-SP 5 Pin Double Cylinder - Master Keyed	Satin Nickel	1	Each

HARDWARE PER SET

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HARDWARE FOR SET:	04
Hardware Set Quantity :	1
Notes	Escutcheon Cover Plates To Be Epoxy Glued.
Doors (12)	D06, D06, D06, D06, D06, D06, D06, D06, D06, D06, D06, D06

Product Code	Description	Finish	Qty	Units
HBSFM	Other Hinges by steel frame manufacturer.		0	Each
DMWC-SS-008	dormakaba Bathroom Deadlock. Case dimensions (mm) 38H x 76D. Forend dimensions (mm) 78H x 22.5W. Backset 55mm.	Stainless Steel	1	Each
DWC-005	dormakaba Bathroom WC indicator (Red and White) and turnknob	Stainless Steel	1	Set
DHC-SS-031B	dormakaba Hat and Coat Hook with rubber buffer	Stainless Steel	1	Each

HARDWARE PER SET

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HARDWARE FOR SET:	05
Hardware Set Quantity :	1
Notes	Pull Handles Mounted A Minimum Of 70mm From Leading Edge Of Door
Doors (4)	D05, D05, D05, D05

Product Code	Description	Finish	Qty	Units
HBSFM	Other Hinges by steel frame manufacturer.		0	Each
TS91B - SL	dormakaba EN 3 Cam action door closer with standard NON HOLD OPEN slide channel arm. EN1154, certified to ISO 9001. Hydraulic speed control. Standard pull-side door leaf fixing. Transom push-side fixing. EN3 suitable for door width 850-950mm. Fire rated: CERTI FIRE approved (CF 119) for door types ITT 120, MM/IMM 240. (Hold open not recommended for use on fire rated doors)	Silver	1	Each
DPH209 BTB	dormakaba 200x22mm Straight Tubular Pull Handle BTB (BTB Fixing Sets included)	Stainless Steel	1	Pair
DSS-131 F	dormakaba 150x150mm FEMALE sign	Stainless Steel	1	Each

HARDWARE PER SET

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HARDWARE FOR SET:	06
Hardware Set Quantity :	1
Notes	Doorcloser Fitted To Inside, Parallel Arm Fixing. Pull Handles Mounted As Per Disabled SANS Regulations. Escutcheon Cover Plates To Be Epoxy Glued.
Doors (2)	D04, D04

Product Code	Description	Finish	Qty	Units
HBSFM	Other Hinges by steel frame manufacturer.		0	Each
TS73V DC PA - SL	dormakaba EN 1-4 Rack and pinion door closer with standard NON HOLD OPEN scissor arm and paralllel arm bracket. EN1154, certified to ISO 9001. Hydraulic speed control, backcheck and DELAYED ACTION. Standard push side fixing. EN 1 suitable for door width <850mm, EN2 suitable for door width 750-850mm, EN3 suitable for door width 850-950mm, EN4 suitable for door width 950-1100mm. Fire rated. Approved to AS1905 Part 1.	Silver	1	Set
DPH301B	dormakaba 325x25mm Straight Tubular Pull Handle Flange Fixing	Stainless Steel	2	Each
DMWC-SS-008	dormakaba Bathroom Deadlock. Case dimensions (mm) 38H x 76D. Forend dimensions (mm) 78H x 22.5W. Backset 55mm.	Stainless Steel	1	Each
DWC-006	dormakaba Disabled WC indicator (Red & White) and turnknob for physically impaired	Stainless Steel	1	Set
DKP-430-SF 150	dormakaba 150x(width of door)x1.2mm thick Grade 430 stainless steel kick plate. Stainless Steel Kick Plate to have 10 countersunk holes for screw fixing. (List price calculated on 813mm wide door)	430 Brushed Stainless Steel	2	Each
DSS-133 P	dormakaba 150x150mm DISABLED PERSONS sign	Stainless Steel	1	Each

HARDWARE PER SET

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HARDWARE FOR SET:	07
Hardware Set Quantity :	1
Notes	Frame Prepared To Accept Roller Catch. Half Cylinder And 1 Only Escutcheon Fitted To Outside.
Doors (2)	D09, D09

Product Code	Description	Finish	Qty	Units
HBSFM	Other Hinges by steel frame manufacturer.		0	Each
DRP-SS-023	dormakaba 62x44mm Ring Flush Pull Handle	Stainless Steel	1	Each
D037D SS	dormakaba Cylinder Deadlock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm.	Stainless Steel	1	Each
DSC204101 MK	dormakaba 40.5 - Europrofile Nickel Plated E-SP 5 Pin Single Cylinder - Master Keyed	Satin Nickel	1	Each
DCE-002 S.S	dormakaba Round Cylinder escutcheon	Stainless Steel	0.5	Pair
DBC-SS-022	dormakaba Adjustable Roller Bolt	Stainless Steel	1	Each

HARDWARE PER SET

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HARDWARE FOR SET:	08
Hardware Set Quantity :	1
Notes	Pull Handles Mounted A Minimum Of 70mm From Leading Edge Of Door
Doors (4)	D07, D07, D07, D07

Product Code	Description	Finish	Qty	Units
HBSFM	Other Hinges by steel frame manufacturer.		0	Each
TS91B - SL	dormakaba EN 3 Cam action door closer with standard NON HOLD OPEN slide channel arm. EN1154, certified to ISO 9001. Hydraulic speed control. Standard pull-side door leaf fixing. Transom push-side fixing. EN3 suitable for door width 850-950mm. Fire rated: CERTI FIRE approved (CF 119) for door types ITT 120, MM/IMM 240. (Hold open not recommended for use on fire rated doors)	Silver	1	Each
DPH210 BTB	dormakaba 300x30mm Straight Tubular Pull Handle BTB (BTB Fixing Sets included)	Stainless Steel	1	Pair
D037D SS	dormakaba Cylinder Deadlock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm.	Stainless Steel	1	Each
DDC206301 MK	dormakaba 63mm - 31.5+31.5mm Europrofile Nickel Plated E-SP 5 Pin Double Cylinder - Master Keyed	Satin Nickel	1	Each
DCE-002 S.S	dormakaba Round Cylinder escutcheon	Stainless Steel	1	Pair
DDS-SS-017	dormakaba Floor Mounted Door Stop	Stainless Steel	2	Each

HARDWARE PER SET

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HARDWARE FOR SET:	10
Hardware Set Quantity :	1
Notes	Signage Denoting Escape Route To Be Promintly Displayed.
Doors (4)	D02, D02, D02, D02

Product Code	Description	Finish	Qty	Units
HBSFM	Other Hinges by steel frame manufacturer.		0	Each
PHA2 S SD	dormakaba Two point locking panic bar - Single door - Door leaf 1000mm wide x 2270mm high (2201. 2104. PHX02. PHX04)	Silver	1	Set

HARDWARE PER SET

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HARDWARE FOR SET:	11
Hardware Set Quantity :	1
Notes	
Doors (50)	D04, D04, D04, D04, D04, D04, D04, D04, D04, D04, D04, D04, D04, D04, D02, D02, D04, D04, D04, D04, D04, D03, D02, D02, D04, D04, D04, D04, D04, D04, D04, D04, D04, D04, D04, D04, D04

HARDWARE PER SET

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HARDWARE FOR SET:	09
Hardware Set Quantity :	1
Notes	Pull Handles Mounted A Minimum Of 70mm From Leading Edge Of Door
Doors (2)	D04, D04

Product Code	Description	Finish	Qty	Units
HBSFM	Other Hinges by steel frame manufacturer.		0	Each
TS91B - SL	dormakaba EN 3 Cam action door closer with standard NON HOLD OPEN slide channel arm. EN1154, certified to ISO 9001. Hydraulic speed control. Standard pull-side door leaf fixing. Transom push-side fixing. EN3 suitable for door width 850-950mm. Fire rated: CERTI FIRE approved (CF 119) for door types ITT 120, MM/IMM 240. (Hold open not recommended for use on fire rated doors)	Silver	1	Each
DPH209 BTB	dormakaba 200x22mm Straight Tubular Pull Handle BTB (BTB Fixing Sets included)	Stainless Steel	1	Pair
DDS-SS-017	dormakaba Floor Mounted Door Stop	Stainless Steel	1	Each
DSS-131 F	dormakaba 150x150mm FEMALE sign	Stainless Steel	1	Each

HARDWARE PER SET

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HARDWARE FOR SET:	12
Hardware Set Quantity :	1
Notes	Cylinders To Be Keyed Alike To Each Other
Doors (10)	D02, D02, D04, D04, D03, D03, D04, D03, D03, D03

Product Code	Description	Finish	Qty	Units
DBB-SS-009	dormakaba 102x75x3mm, EN1935 Grade 13, Two ball bearing butt hinge. Fire rated. 120kg Carrying capacity per pair. Finish: Stainless Steel	Stainless Steel	1.5	Pair
CR001 Latch S.S	dormakaba Lever handle on rose - Latch	Stainless Steel	1	Set
D036S SS	dormakaba Cylinder Sash Lock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm. Centres 61mm.	Stainless Steel	1	Each
DDC206301 MK	dormakaba 63mm - 31.5+31.5mm Europrofile Nickel Plated E-SP 5 Pin Double Cylinder - Master Keyed	Satin Nickel	1	Each
DCE-002 S.S	dormakaba Round Cylinder escutcheon	Stainless Steel	1	Pair
DDS-SS-017	dormakaba Floor Mounted Door Stop	Stainless Steel	1	Each

HARDWARE PER SET

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HARDWARE FOR SET:	13
Hardware Set Quantity :	1
Notes	Cylinders To Be Keyed Alike To Each Other
Doors (11)	G02, G02, G02, G02, G02, G02, G03, G03, G03, G03, G03

Product Code	Description	Finish	Qty	Units
166	Halstead 200 mm SC on Brass Cabin Hook and Eye With 100x100x75mm Chamfered Wrot Meranti Block		1	Each
HLBGM	Hinges and lock box by gate manufacture		1	Each
000000	ISEO ISEO 0000007780000 Tropicalised Steel Three Throws Backing Latch Hooks Profile Cylinder Lockcase For Use On either Swing Or Sliding Gates. Cylinder Excluded.	-	1	Each
DDC206301 MK	dormakaba 63mm - 31.5+31.5mm Europrofile Nickel Plated E-SP 5 Pin Double Cylinder - Master Keyed	Satin Nickel	1	Each

HARDWARE PER SET

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HARDWARE FOR SET:	14
Hardware Set Quantity :	1
Notes	Cylinders To Be Keyed Alike To Each Other
Doors (5)	D01, D01, D01, D01, D01

Product Code	Description	Finish	Qty	Units
401SC	Halcastt HALCAST 401SC Doorstop And Holder		2	each
DBB-SS-009	dormakaba 102x75x3mm, EN1935 Grade 13, Two ball bearing butt hinge. Fire rated. 120kg Carrying capacity per pair. Finish: Stainless Steel	Stainless Steel	3	Pair
CR001 Latch S.S	dormakaba Lever handle on rose - Latch	Stainless Steel	1	Set
D036S SS	dormakaba Cylinder Sash Lock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm. Centres 61mm.	Stainless Steel	1	Each
DDC206301 MK	dormakaba 63mm - 31.5+31.5mm Europrofile Nickel Plated E-SP 5 Pin Double Cylinder - Master Keyed	Satin Nickel	1	Each
DCE-002 S.S	dormakaba Round Cylinder escutcheon	Stainless Steel	1	Pair
D038R NP	dormakaba Rebate conversion kit for Euro Profile locks D036S, D037D.	Nickel Plated	1	Each
DFB-SC-180	dormakaba 153mm Manual flush bolt with heel	Satin Chrome	2	Each
DPS-SS-032	dormakaba Dust Proof Strike	Stainless Steel	1	Each

HARDWARE PER SET

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HARDWARE FOR SET:	15
Hardware Set Quantity :	1
Notes	
Doors (8)	D05, D05, D05, D05, D05, D05, D05, D06

Product Code	Description	Finish	Qty	Units
ROLLER	a Roller Shutter Door As Per Architects Detail, Prepared for Padlock Specified		1	Each
SHUTTER	Roller Shutter Door Supplied Complete.		1	Each
DPL2000 MK	dormakaba 45mm - E-SP Chrome Padlock with 8mm Stainless Steel Shackle 30mm Clearance - Master Keyed	Satin Nickel	1	Each

HARDWARE FOR SET:	16
Hardware Set Quantity :	1
Notes	
Doors (1)	D07

Product Code	Description	Finish	Qty	Units
STRONG	0 Strongroom Door By Specialist Supplied With All Necessary Ironmongery		1	Each

BILL OF MATERIALS

dormakaba

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Product Code	Description	Finish	Units	Qty	Price (ZAR)	Total (ZAR)
1040	a a 1040 100mm Aluminium Sinkless Hinge, Centre Pin With Standard Alignment Grooving For Easy Fitment		Pair	4.0	0.00	0.00
166	Halstead Halstead 200 mm SC on Brass Cabin Hook and Eye With 100x100x75mm Chamfered Wrot Meranti Block		Each	31.0	0.00	0.00
401SC	Halcastt Halcastt HALCAST 401SC Doorstop And Holder		each	18.0	0.00	0.00
M1519AS	Alufab M1519AS 150mm Anodised Alum Flush Bolts.		Each	8.0	0.00	0.00
ROLLER	a a Roller Shutter Door As Per Architects Detail, Prepared for Padlock Specified		Each	8.0	0.00	0.00
STRONG	0 0 Strongroom Door By Specialist Supplied With All Necessary Ironmongery		Each	1.0	0.00	0.00
000000	ISEO ISEO ISEO 0000007780000 Tropicalised Steel Three Throws Backing Latch Hooks Profile Cylinder Lockcase For Use On either Swing Or Sliding Gates. Cylinder Excluded.	-	Each	21.0	0.00	0.00
2040	Alufab 2040 200mm Aluminium Sinkless Hinges, Centre Pin, Anodised		Each	8.0	0.00	0.00
DBB-SS-009	dormakaba dormakaba 102x75x3mm, EN1935 Grade 13, Two ball bearing butt hinge. Fire rated. 120kg Carrying capacity per pair. Finish: Stainless Steel	Stainless Steel	Pair	80.0	165.00	13,200.00
HBSFM	Other Other Hinges by steel frame manufacturer.		Each	0.0	0.00	0.00
HLBGM	Hinges and lock box by gate manufacture		Each	21.0	0.00	0.00
SHUTTER	Roller Shutter Door Supplied Complete.		Each	8.0	0.00	0.00

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dormakaba

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Product Code	Description	Finish	Units	Qty	Price (ZAR)	Total (ZAR)
CR001 Latch S.S	dormakaba dormakaba Lever handle on rose - Latch	Stainless Steel	Set	95.0	470.00	44,650.00
DMWC-SS-008	dormakaba dormakaba Bathroom Deadlock. Case dimensions (mm) 38H x 76D. Forend dimensions (mm) 78H x 22.5W. Backset 55mm.	Stainless Steel	Each	14.0	186.00	2,604.00
DRP-SS-023	dormakaba dormakaba 62x44mm Ring Flush Pull Handle	Stainless Steel	Each	2.0	110.00	220.00
TS73V DC PA - SL	dormakaba dormakaba EN 1-4 Rack and pinion door closer with standard NON HOLD OPEN scissor arm and paralllel arm bracket. EN1154, certified to ISO 9001. Hydraulic speed control, backcheck and DELAYED ACTION. Standard push side fixing. EN 1 suitable for door width <850mm, EN2 suitable for door width 750-850mm, EN3 suitable for door width 850-950mm, EN4 suitable for door width 950-1100mm. Fire rated. Approved to AS1905 Part 1.	Silver	Set	2.0	2,949.00	5,898.00
TS91B - SL	dormakaba dormakaba EN 3 Cam action door closer with standard NON HOLD OPEN slide channel arm. EN1154, certified to ISO 9001. Hydraulic speed control. Standard pull-side door leaf fixing. Transom push-side fixing. EN3 suitable for door width 850-950mm. Fire rated: CERTI FIRE approved (CF 119) for door types ITT 120, MM/IMM 240. (Hold open not recommended for use on fire rated doors)	Silver	Each	10.0	2,834.00	28,340.00
D036S SS	dormakaba dormakaba Cylinder Sash Lock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm. Centres 61mm.	Stainless Steel	Each	95.0	278.00	26,410.00
D037D SS	dormakaba dormakaba Cylinder Deadlock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm.	Stainless Steel	Each	6.0	221.00	1,326.00
DDC206301 MK	dormakaba dormakaba 63mm - 31.5+31.5mm Europrofile Nickel Plated E-SP 5 Pin Double Cylinder - Master Keyed	Satin Nickel	Each	40.0	460.00	18,400.00
DPH209 BTB	dormakaba dormakaba 200x22mm Straight Tubular Pull Handle BTB (BTB Fixing Sets included)	Stainless Steel	Pair	6.0	540.00	3,240.00
DPH210 BTB	dormakaba dormakaba 300x30mm Straight Tubular Pull Handle BTB (BTB Fixing Sets included)	Stainless Steel	Pair	4.0	766.00	3,064.00
DPH301B	dormakaba dormakaba 325x25mm Straight Tubular Pull Handle Flange Fixing	Stainless Steel	Each	4.0	269.00	1,076.00

BILL OF MATERIALS

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Product Code	Description	Finish	Units	Qty	Price (ZAR)	Total (ZAR)
DPL2000 MK	dormakaba dormakaba 45mm - E-SP Chrome Padlock with 8mm Stainless Steel Shackle 30mm Clearance - Master Keyed	Satin Nickel	Each	8.0	795.00	6,360.00
DWC-005	dormakaba dormakaba Bathroom WC indicator (Red and White) and turnknob	Stainless Steel	Set	12.0	220.00	2,640.00
DKC206301 MK	dormakaba dormakaba 63mm - 31.5+31.5mm Europrofile Nickel Plated E-SP 5 Pin Knob Cylinder - Master Keyed	Satin Nickel	Each	80.0	519.00	41,520.00
DSC204101 MK	dormakaba dormakaba 40.5 - Europrofile Nickel Plated E-SP 5 Pin Single Cylinder - Master Keyed	Satin Nickel	Each	2.0	362.00	724.00
DCE-002 S.S	dormakaba dormakaba Round Cylinder escutcheon	Stainless Steel	Pair	100.0	60.00	6,000.00
DWC-006	dormakaba dormakaba Disabled WC indicator (Red & White) and turnknob for physically impaired	Stainless Steel	Set	2.0	275.00	550.00
DDS-SS-017	dormakaba dormakaba Floor Mounted Door Stop	Stainless Steel	Each	96.0	80.00	7,680.00
D038R NP	dormakaba dormakaba Rebate conversion kit for Euro Profile locks D036S, D037D.	Nickel Plated	Each	5.0	227.00	1,135.00
DFB-SC-180	dormakaba dormakaba 153mm Manual flush bolt with heel	Satin Chrome	Each	10.0	345.00	3,450.00
PHA2 S SD	dormakaba dormakaba Two point locking panic bar - Single door - Door leaf 1000mm wide x 2270mm high (2201. 2104. PHX02. PHX04)	Silver	Set	4.0	5,153.00	20,612.00
DPS-SS-032	dormakaba dormakaba Dust Proof Strike	Stainless Steel	Each	9.0	85.00	765.00
DBC-SS-022	dormakaba dormakaba Adjustable Roller Bolt	Stainless Steel	Each	2.0	130.00	260.00

BILL OF MATERIALS

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Product Code	Description	Finish	Units	Qty	Price (ZAR)	Total (ZAR)
DHC-SS-031B	dormakaba dormakaba Hat and Coat Hook with rubber buffer	Stainless Steel	Each	12.0	62.00	744.00
DKP-430-SF 150	dormakaba dormakaba 150x(width of door)x1.2mm thick Grade 430 stainless steel kick plate. Stainless Steel Kick Plate to have 10 countersunk holes for screw fixing. (List price calculated on 813mm wide door)	430 Brushed Stainless Steel	Each	4.0	334.00	1,336.00
DSS-131 F	dormakaba dormakaba 150x150mm FEMALE sign	Stainless Steel	Each	6.0	214.00	1,284.00
DSS-133 P	dormakaba dormakaba 150x150mm DISABLED PERSONS sign	Stainless Steel	Each	2.0	214.00	428.00
					Total (ZAR)	243,916.00

Control List

dormakaba

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Door Number	Hardware Set	Area	Location	MK	Handing	KA	Door Material
D03	01	GIRLS HOSTEL	BEDROOM 103	MK1	SA		TIMBER
D03	01	GIRLS HOSTEL	BEDROOM 104	MK1	SA		TIMBER
D03	01	GIRLS HOSTEL	BEDROOM 105	MK1	SA		TIMBER
D03	01	GIRLS HOSTEL	BEDROOM 106	MK1	SA		TIMBER
D03	01	GIRLS HOSTEL	BEDROOM 107	MK1	SA		TIMBER
D03	01	GIRLS HOSTEL	BEDROOM 108	MK1	SA		TIMBER
D03	01	GIRLS HOSTEL	BEDROOM 109	MK1	SA		TIMBER
D03	01	GIRLS HOSTEL	BEDROOM 110	MK1	SA		TIMBER
D03	01	GIRLS HOSTEL	BEDROOM 111	MK1	SA		TIMBER
D03	01	GIRLS HOSTEL	BEDROOM 107	MK1	SA		TIMBER
D03	01	GIRLS HOSTEL	BEDROOM 114	MK1	SA		TIMBER
D01	02	GIRLS HOSTEL	ENT FOYER	MK1	SA DD	KA.1	ALUMINIUM
D01	02	GIRLS HOSTEL	ENT FOYER	MK1	SA DD	KA.1	ALUMINIUM
G01	03	GIRLS HOSTEL	ENT FOYER	MK1	SA DD	KA.1	GMS
G01	03	GIRLS HOSTEL	ENT FOYER	MK1	SA DD	KA.1	GMS
D06	04	GIRLS HOSTEL	WC		SA		TIMBER
D06	04	GIRLS HOSTEL	WC		SA		TIMBER
D05	05	GIRLS HOSTEL	BATHROOM		SA		TIMBER
D05	05	GIRLS HOSTEL	BATHROOM		SA		TIMBER
D09	07	GIRLS HOSTEL	DUCT	MK1	SA		TIMBER
D07	08	GIRLS HOSTEL	PASSAGE	MK1	SA		TIMBER
D04	06	GIRLS HOSTEL	DISABLED WC		SA		TIMBER
D08	01	GIRLS HOSTEL	UNDER STAIR STORE	MK1	SA		TIMBER
D08	01	GIRLS HOSTEL	UNDER STAIR STORE	MK1	SA		TIMBER
D02	10	GIRLS HOSTEL	STAIRS - FIRE ESCAPE		SA		TIMBER
D02	10	GIRLS HOSTEL	STAIRS - FIRE ESCAPE		SA		TIMBER
D06	04	GIRLS HOSTEL	WC		SA		TIMBER
D06	04	GIRLS HOSTEL	WC		SA		TIMBER
D06	04	GIRLS HOSTEL	WC		SA		TIMBER
D06	04	GIRLS HOSTEL	WC		SA		TIMBER
D07	08	GIRLS HOSTEL	PASSAGE	MK1	SA		TIMBER
D04	11	GIRLS HOSTEL	BEDROOM 203	MK1	SA		TIMBER
D04	11	GIRLS HOSTEL	BEDROOM 204	MK1	SA		TIMBER
D04	11	GIRLS HOSTEL	BEDROOM 205	MK1	SA		TIMBER
D04	11	GIRLS HOSTEL	BEDROOM 206	MK1	SA		TIMBER
D04	11	GIRLS HOSTEL	BEDROOM 207	MK1	SA		TIMBER

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Door Number	Hardware Set	Area	Location	MK	Handing	KA	Door Material
D04	11	GIRLS HOSTEL	BEDROOM 208	MK1	SA		TIMBER
D04	11	GIRLS HOSTEL	BEDROOM 209	MK1	SA		TIMBER
D04	11	GIRLS HOSTEL	BEDROOM 210	MK1	SA		TIMBER
D04	11	GIRLS HOSTEL	BEDROOM 211	MK1	SA		TIMBER
D04	11	GIRLS HOSTEL	BEDROOM 212	MK1	SA		TIMBER
D04	11	GIRLS HOSTEL	BEDROOM 217	MK1	SA		TIMBER
D04	11	GIRLS HOSTEL	BEDROOM 216	MK1	SA		TIMBER
D04	11	GIRLS HOSTEL	BEDROOM 215	MK1	SA		TIMBER
D04	11	GIRLS HOSTEL	BEDROOM 214	MK1	SA		TIMBER
D04	09	GIRLS HOSTEL	BATHROOM		SA		TIMBER
D02	12	BLOCK MWORKSHOPS	CLASSROOM 01	MK1	SA	KA.2	TIMBER
G02	13	BLOCK MWORKSHOPS	CLASSROOM 01	MK1	SA	KA.2	GMS
D02	11	BLOCK MWORKSHOPS	OFFICE 102	MK1	SA	KA.3	TIMBER
G02	13	BLOCK MWORKSHOPS	OFFICE 102	MK1	SA	KA.3	GMS
D02	11	BLOCK MWORKSHOPS	OFFICE 101	MK1	SA	KA.4	TIMBER
G02	13	BLOCK MWORKSHOPS	OFFICE 101	MK1	SA	KA.4	GMS
D02	12	BLOCK MWORKSHOPS	CLASSROOM 02	MK1	SA	KA.5	TIMBER
G02	13	BLOCK MWORKSHOPS	CLASSROOM 02	MK1	SA	KA.5	GMS
D04	11	BLOCK MWORKSHOPS	STORE 101	MK1	SA		TIMBER
D04	11	BLOCK MWORKSHOPS	OFFICE 202	MK1	SA		TIMBER
D04	11	BLOCK MWORKSHOPS	STORE 204	MK1	SA		TIMBER
D04	11	BLOCK MWORKSHOPS	OFFICE 302	MK1	SA		TIMBER
D04	11	BLOCK MWORKSHOPS	STORE 303	MK1	SA		TIMBER
D03	11	BLOCK MWORKSHOPS	OFFICE 203	MK1	SA		TIMBER
D04	12	BLOCK MWORKSHOPS	CLASSROOM 02	MK1	SA		TIMBER
D04	12	BLOCK MWORKSHOPS	WORK OFFICE 301	MK1	SA		TIMBER
D01	14	BLOCK MWORKSHOPS	WORKSHOP 02	MK1	SA DD	KA.6	TIMBER
G01	03	BLOCK MWORKSHOPS	WORKSHOP 02	MK1	SA DD	KA.6	GMS
D01	14	BLOCK MWORKSHOPS	WORKSHOP 03	MK1	SA DD	KA.7	TIMBER
G01	03	BLOCK MWORKSHOPS	WORKSHOP 03	MK1	SA DD	KA.7	GMS
D02	11	BLOCK MWORKSHOPS	OFFICE 01	MK1	SA	KA.8	TIMBER
G02	13	BLOCK MWORKSHOPS	OFFICE 01	MK1	SA	KA.8	GMS
D02	11	BLOCK MWORKSHOPS	ENTRANCE	MK1	SA	KA.9	TIMBER
G02	13	BLOCK MWORKSHOPS	ENTRANCE	MK1	SA	KA.9	GMS
D05	15	BLOCK MWORKSHOPS	WORKSHOP 01	MK1	RS		GMS

Control List

dormakaba

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CONSULTANT: Shaun Harvey

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Door Number	Hardware Set	Area	Location	MK	Handing	KA	Door Material
D05	15	BLOCK MWORKSHOPS	STORE 02	MK1	RS		GMS
D05	15	BLOCK MWORKSHOPS	WORKSHOP 02	MK1	RS		GMS
D05	15	BLOCK MWORKSHOPS	WORKSHOP 03	MK1	RS		GMS
D03	12	BLOCK MWORKSHOPS	WORKSHOP 02	MK1	SA	KA.10	TIMBER
G03	13	BLOCK MWORKSHOPS	WORKSHOP 02	MK1	SA	KA.10	GMS
D03	12	BLOCK MWORKSHOPS	WORKSHOP 03	MK1	SA	KA.11	TIMBER
G03	13	BLOCK MWORKSHOPS	WORKSHOP 03	MK1	SA	KA.11	GMS
D07	16	BLOCK MWORKSHOPS	STRONGROOM		SA		SPECIALIST
D04	12	BLOCK MWORKSHOPS	ENTRANCE	MK1	SA		TIMBER
D04	11	BLOCK MWORKSHOPS	STORE 404	MK1	SA		TIMBER
D04	11	BLOCK MWORKSHOPS	STORE 607	MK1	SA		TIMBER
D04	11	BLOCK MWORKSHOPS	!!!	MK1	SA		TIMBER
D04	11	BLOCK MWORKSHOPS	MEDICAL FIRST AID 606	MK1	SA		TIMBER
D04	11	BLOCK MWORKSHOPS	STORE 606	MK1	SA		TIMBER
D04	11	BLOCK MWORKSHOPS	STORE 606	MK1	SA		TIMBER
D04	11	BLOCK MWORKSHOPS	STORE 505	MK1	SA		TIMBER
D04	11	BLOCK MWORKSHOPS	STORE 502	MK1	SA		TIMBER
D04	11	BLOCK MWORKSHOPS	STORE 501	MK1	SA		TIMBER
D04	11	BLOCK MWORKSHOPS	STORE 403	MK1	SA		TIMBER
D04	11	BLOCK MWORKSHOPS	OFFICE 402	MK1	SA		TIMBER
D04	11	BLOCK MWORKSHOPS	STORE 401	MK1	SA		TIMBER
D05	15	BLOCK MWORKSHOPS	WORKSHOP 04	MK1	RS		GMS
D05	15	BLOCK MWORKSHOPS	WORKSHOP 05	MK1	RS		GMS
D05	15	BLOCK MWORKSHOPS	WORKSHOP 06	MK1	RS		GMS
D03	12	BLOCK MWORKSHOPS	WORKSHOP 04	MK1	SA	KA.12	TIMBER
G03	13	BLOCK MWORKSHOPS	WORKSHOP 04	MK1	SA	KA.12	GMS
D03	12	BLOCK MWORKSHOPS	WORKSHOP 05	MK1	SA	KA.13	TIMBER
G03	13	BLOCK MWORKSHOPS	WORKSHOP 05	MK1	SA	KA.13	GMS
D03	12	BLOCK MWORKSHOPS	WORKSHOP 06	MK1	SA	KA.14	TIMBER
G03	13	BLOCK MWORKSHOPS	WORKSHOP 06	MK1	SA	KA.14	GMS
D01	14	BLOCK MWORKSHOPS	WORKSHOP 04	MK1	SA DD	KA.15	TIMBER
G01	03	BLOCK MWORKSHOPS	WORKSHOP 04	MK1	SA DD	KA.15	GMS
D01	14	BLOCK MWORKSHOPS	WORKSHOP 05	MK1	SA DD	KA.16	TIMBER
G01	03	BLOCK MWORKSHOPS	WORKSHOP 05	MK1	SA DD	KA.16	GMS

Control List

dormakaba

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Door Number	Hardware Set	Area	Location	MK	Handing	KA	Door Material
D01	14	BLOCK MWORKSHOPS	WORKSHOP 06	MK1	SA DD	KA.17	TIMBER
G01	03	BLOCK MWORKSHOPS	WORKSHOP 06	MK1	SA DD	KA.17	GMS
G04	03	BLOCK MWORKSHOPS	WORKSHOP 06	MK1	SA 1,5 LEAF		GMS
D06	15	BLOCK MWORKSHOPS	OFFICE 201	MK1	RS		GMS
D03	01	BOYS HOSTEL	BEDROOM 103	MK1	SA		TIMBER
D03	01	BOYS HOSTEL	BEDROOM 104	MK1	SA		TIMBER
D03	01	BOYS HOSTEL	BEDROOM 105	MK1	SA		TIMBER
D03	01	BOYS HOSTEL	BEDROOM 106	MK1	SA		TIMBER
D03	01	BOYS HOSTEL	BEDROOM 107	MK1	SA		TIMBER
D03	01	BOYS HOSTEL	BEDROOM 108	MK1	SA		TIMBER
D03	01	BOYS HOSTEL	BEDROOM 109	MK1	SA		TIMBER
D03	01	BOYS HOSTEL	BEDROOM 110	MK1	SA		TIMBER
D03	01	BOYS HOSTEL	BEDROOM 111	MK1	SA		TIMBER
D03	01	BOYS HOSTEL	BEDROOM 107	MK1	SA		TIMBER
D03	01	BOYS HOSTEL	BEDROOM 114	MK1	SA		TIMBER
D01	02	BOYS HOSTEL	ENT FOYER	MK1	SA DD	KA.1	ALUMINIUM
D01	02	BOYS HOSTEL	ENT FOYER	MK1	SA DD	KA.1	ALUMINIUM
G01	03	BOYS HOSTEL	ENT FOYER	MK1	SA DD	KA.1	GMS
G01	03	BOYS HOSTEL	ENT FOYER	MK1	SA DD	KA.1	GMS
D06	04	BOYS HOSTEL	WC		SA		TIMBER
D06	04	BOYS HOSTEL	WC		SA		TIMBER
D05	05	BOYS HOSTEL	BATHROOM		SA		TIMBER
D05	05	BOYS HOSTEL	BATHROOM		SA		TIMBER
D09	07	BOYS HOSTEL	DUCT	MK1	SA		TIMBER
D07	08	BOYS HOSTEL	PASSAGE	MK1	SA		TIMBER
D04	06	BOYS HOSTEL	DISABLED WC		SA		TIMBER
D08	01	BOYS HOSTEL	UNDER STAIR STORE	MK1	SA		TIMBER
D08	01	BOYS HOSTEL	UNDER STAIR STORE	MK1	SA		TIMBER
D02	10	BOYS HOSTEL	STAIRS - FIRE ESCAPE		SA		TIMBER
D02	10	BOYS HOSTEL	STAIRS - FIRE ESCAPE		SA		TIMBER
D06	04	BOYS HOSTEL	WC		SA		TIMBER
D06	04	BOYS HOSTEL	WC		SA		TIMBER
D06	04	BOYS HOSTEL	WC		SA		TIMBER
D06	04	BOYS HOSTEL	WC		SA		TIMBER
D07	08	BOYS HOSTEL	PASSAGE	MK1	SA		TIMBER
D04	11	BOYS HOSTEL	BEDROOM 203	MK1	SA		TIMBER

Control List

dormakaba

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Door Number	Hardware Set	Area	Location	MK	Handing	KA	Door Material
D04	11	BOYS HOSTEL	BEDROOM 204	MK1	SA		TIMBER
D04	11	BOYS HOSTEL	BEDROOM 205	MK1	SA		TIMBER
D04	11	BOYS HOSTEL	BEDROOM 206	MK1	SA		TIMBER
D04	11	BOYS HOSTEL	BEDROOM 207	MK1	SA		TIMBER
D04	11	BOYS HOSTEL	BEDROOM 208	MK1	SA		TIMBER
D04	11	BOYS HOSTEL	BEDROOM 209	MK1	SA		TIMBER
D04	11	BOYS HOSTEL	BEDROOM 210	MK1	SA		TIMBER
D04	11	BOYS HOSTEL	BEDROOM 211	MK1	SA		TIMBER
D04	11	BOYS HOSTEL	BEDROOM 212	MK1	SA		TIMBER
D04	11	BOYS HOSTEL	BEDROOM 217	MK1	SA		TIMBER
D04	11	BOYS HOSTEL	BEDROOM 216	MK1	SA		TIMBER
D04	11	BOYS HOSTEL	BEDROOM 215	MK1	SA		TIMBER
D04	11	BOYS HOSTEL	BEDROOM 214	MK1	SA		TIMBER
D04	09	BOYS HOSTEL	BATHROOM		SA		TIMBER
D02	17	BLOCK G/KITCHEN	CLASSROOM 04	MK1	DA DD		TIMBER
D02	17	BLOCK G/KITCHEN	DINING	MK1	DA DD		TIMBER
D01	18	BLOCK G/KITCHEN	DELIVERIES	MK1	SA DD		TIMBER

HARDWARE PER SET

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HARDWARE FOR SET:	01
Hardware Set Quantity :	1
Notes	
Doors (26)	D03, D03, D03, D03, D03, D03, D03, D03, D03, D03, D03, D08, D08, D03, D03, D03, D03, D03, D03, D03, D03, D03, D03, D03, D08, D08

Product Code	Description	Finish	Qty	Units
HBSFM	Other Hinges by steel frame manufacturer.		0	Each
CR001 Latch S.S	dormakaba Lever handle on rose - Latch	Stainless Steel	1	Set
D036S SS	dormakaba Cylinder Sash Lock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm. Centres 61mm.	Stainless Steel	1	Each
DKC206301 MK	dormakaba 63mm - 31.5+31.5mm Europrofile Nickel Plated E-SP 5 Pin Knob Cylinder - Master Keyed	Satin Nickel	1	Each
DCE-002 S.S	dormakaba Round Cylinder escutcheon	Stainless Steel	1	Pair
DDS-SS-017	dormakaba Floor Mounted Door Stop	Stainless Steel	1	Each

HARDWARE PER SET

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HARDWARE FOR SET:	02
Hardware Set Quantity :	1
Notes	Alunininium Fabricator To Utilise R4 - 85mm Upright Styles. This Needed To Suit Lockcase Depth. Aluminium Fabricator To Prepare Bottom Of Door To Accept Doorstop & Holder Specified. Cylinders To Be Keyed Alike To Each Other
Doors (4)	D01, D01, D01, D01

Product Code	Description	Finish	Qty	Units
1040	a 1040 100mm Aluminium Sinkless Hinge, Centre Pin With Standard Alignment Grooving For Easy Fitment		1	Pair
M1519AS	Alufab M1519AS 150mm Anodised Alum Flush Bolts.		2	Each
401SC	Halcastt HALCAST 401SC Doorstop And Holder		2	each
2040	Alufab 2040 200mm Aluminium Sinkless Hinges, Centre Pin, Anodised		2	Each
CR001 Latch S.S	dormakaba Lever handle on rose - Latch	Stainless Steel	1	Set
D036S SS	dormakaba Cylinder Sash Lock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm. Centres 61mm.	Stainless Steel	1	Each
DKC206301 MK	dormakaba 63mm - 31.5+31.5mm Europrofile Nickel Plated E-SP 5 Pin Knob Cylinder - Master Keyed	Satin Nickel	1	Each
DCE-002 S.S	dormakaba Round Cylinder escutcheon	Stainless Steel	1	Pair
DPS-SS-032	dormakaba Dust Proof Strike	Stainless Steel	1	Each

HARDWARE PER SET

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HARDWARE FOR SET:	03
Hardware Set Quantity :	1
Notes	Cylinders To Be Keyed Alike To Each Other
Doors (10)	G01, G01, G01, G01, G01, G01, G01, G04, G01, G01

Product Code	Description	Finish	Qty	Units
166	Halstead 200 mm SC on Brass Cabin Hook and Eye With 100x100x75mm Chamfered Wrot Meranti Block		2	Each
HLBGM	Hinges and lock box by gate manufacture		1	Each
000000	ISEO ISEO 0000007780000 Tropicalised Steel Three Throws Backing Latch Hooks Profile Cylinder Lockcase For Use On either Swing Or Sliding Gates. Cylinder Excluded.	-	1	Each
DDC206301 MK	dormakaba 63mm - 31.5+31.5mm Europrofile Nickel Plated E-SP 5 Pin Double Cylinder - Master Keyed	Satin Nickel	1	Each

HARDWARE PER SET

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HARDWARE FOR SET:	04
Hardware Set Quantity :	1
Notes	Escutcheon Cover Plates To Be Epoxy Glued.
Doors (12)	D06, D06, D06, D06, D06, D06, D06, D06, D06, D06, D06, D06

Product Code	Description	Finish	Qty	Units
HBSFM	Other Hinges by steel frame manufacturer.		0	Each
DMWC-SS-008	dormakaba Bathroom Deadlock. Case dimensions (mm) 38H x 76D. Forend dimensions (mm) 78H x 22.5W. Backset 55mm.	Stainless Steel	1	Each
DWC-005	dormakaba Bathroom WC indicator (Red and White) and turnknob	Stainless Steel	1	Set
DHC-SS-031B	dormakaba Hat and Coat Hook with rubber buffer	Stainless Steel	1	Each

HARDWARE PER SET

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HARDWARE FOR SET:	05
Hardware Set Quantity :	1
Notes	Pull Handles Mounted A Minimum Of 70mm From Leading Edge Of Door
Doors (4)	D05, D05, D05, D05

Product Code	Description	Finish	Qty	Units
HBSFM	Other Hinges by steel frame manufacturer.		0	Each
TS91B - SL	dormakaba EN 3 Cam action door closer with standard NON HOLD OPEN slide channel arm. EN1154, certified to ISO 9001. Hydraulic speed control. Standard pull-side door leaf fixing. Transom push-side fixing. EN3 suitable for door width 850-950mm. Fire rated: CERTI FIRE approved (CF 119) for door types ITT 120, MM/IMM 240. (Hold open not recommended for use on fire rated doors)	Silver	1	Each
DPH209 BTB	dormakaba 200x22mm Straight Tubular Pull Handle BTB (BTB Fixing Sets included)	Stainless Steel	1	Pair
DSS-131 F	dormakaba 150x150mm FEMALE sign	Stainless Steel	1	Each

HARDWARE PER SET

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HARDWARE FOR SET:	06
Hardware Set Quantity :	1
Notes	Doorcloser Fitted To Inside, Parallel Arm Fixing. Pull Handles Mounted As Per Disabled SANS Regulations. Escutcheon Cover Plates To Be Epoxy Glued.
Doors (2)	D04, D04

Product Code	Description	Finish	Qty	Units
HBSFM	Other Hinges by steel frame manufacturer.		0	Each
TS73V DC PA - SL	dormakaba EN 1-4 Rack and pinion door closer with standard NON HOLD OPEN scissor arm and paralllel arm bracket. EN1154, certified to ISO 9001. Hydraulic speed control, backcheck and DELAYED ACTION. Standard push side fixing. EN 1 suitable for door width <850mm, EN2 suitable for door width 750-850mm, EN3 suitable for door width 850-950mm, EN4 suitable for door width 950-1100mm. Fire rated. Approved to AS1905 Part 1.	Silver	1	Set
DPH301B	dormakaba 325x25mm Straight Tubular Pull Handle Flange Fixing	Stainless Steel	2	Each
DMWC-SS-008	dormakaba Bathroom Deadlock. Case dimensions (mm) 38H x 76D. Forend dimensions (mm) 78H x 22.5W. Backset 55mm.	Stainless Steel	1	Each
DWC-006	dormakaba Disabled WC indicator (Red & White) and turnknob for physically impaired	Stainless Steel	1	Set
DKP-430-SF 150	dormakaba 150x(width of door)x1.2mm thick Grade 430 stainless steel kick plate. Stainless Steel Kick Plate to have 10 countersunk holes for screw fixing. (List price calculated on 813mm wide door)	430 Brushed Stainless Steel	2	Each
DSS-133 P	dormakaba 150x150mm DISABLED PERSONS sign	Stainless Steel	1	Each

HARDWARE PER SET

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HARDWARE FOR SET:	07
Hardware Set Quantity :	1
Notes	Frame Prepared To Accept Roller Catch. Half Cylinder And 1 Only Escutcheon Fitted To Outside.
Doors (2)	D09, D09

Product Code	Description	Finish	Qty	Units
HBSFM	Other Hinges by steel frame manufacturer.		0	Each
DRP-SS-023	dormakaba 62x44mm Ring Flush Pull Handle	Stainless Steel	1	Each
D037D SS	dormakaba Cylinder Deadlock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm.	Stainless Steel	1	Each
DSC204101 MK	dormakaba 40.5 - Europrofile Nickel Plated E-SP 5 Pin Single Cylinder - Master Keyed	Satin Nickel	1	Each
DCE-002 S.S	dormakaba Round Cylinder escutcheon	Stainless Steel	0.5	Pair
DBC-SS-022	dormakaba Adjustable Roller Bolt	Stainless Steel	1	Each

HARDWARE PER SET

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HARDWARE FOR SET:	08
Hardware Set Quantity :	1
Notes	Pull Handles Mounted A Minimum Of 70mm From Leading Edge Of Door
Doors (4)	D07, D07, D07, D07

Product Code	Description	Finish	Qty	Units
HBSFM	Other Hinges by steel frame manufacturer.		0	Each
TS91B - SL	dormakaba EN 3 Cam action door closer with standard NON HOLD OPEN slide channel arm. EN1154, certified to ISO 9001. Hydraulic speed control. Standard pull-side door leaf fixing. Transom push-side fixing. EN3 suitable for door width 850-950mm. Fire rated: CERTI FIRE approved (CF 119) for door types ITT 120, MM/IMM 240. (Hold open not recommended for use on fire rated doors)	Silver	1	Each
DPH210 BTB	dormakaba 300x30mm Straight Tubular Pull Handle BTB (BTB Fixing Sets included)	Stainless Steel	1	Pair
D037D SS	dormakaba Cylinder Deadlock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm.	Stainless Steel	1	Each
DDC206301 MK	dormakaba 63mm - 31.5+31.5mm Europrofile Nickel Plated E-SP 5 Pin Double Cylinder - Master Keyed	Satin Nickel	1	Each
DCE-002 S.S	dormakaba Round Cylinder escutcheon	Stainless Steel	1	Pair
DDS-SS-017	dormakaba Floor Mounted Door Stop	Stainless Steel	2	Each

HARDWARE PER SET

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HARDWARE FOR SET:	10
Hardware Set Quantity :	1
Notes	Signage Denoting Escape Route To Be Promintly Displayed.
Doors (4)	D02, D02, D02, D02

Product Code	Description	Finish	Qty	Units
HBSFM	Other Hinges by steel frame manufacturer.		0	Each
PHA2 S SD	dormakaba Two point locking panic bar - Single door - Door leaf 1000mm wide x 2270mm high (2201. 2104. PHX02. PHX04)	Silver	1	Set

HARDWARE PER SET

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HARDWARE FOR SET:	11
Hardware Set Quantity :	1
Notes	
Doors (50)	D04, D04, D04, D04, D04, D04, D04, D04, D04, D04, D04, D04, D04, D04, D02, D02, D04, D04, D04, D04, D04, D03, D02, D02, D04, D04, D04, D04, D04, D04, D04, D04, D04, D04, D04, D04, D04

HARDWARE PER SET

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HARDWARE FOR SET:	09
Hardware Set Quantity :	1
Notes	Pull Handles Mounted A Minimum Of 70mm From Leading Edge Of Door
Doors (2)	D04, D04

Product Code	Description	Finish	Qty	Units
HBSFM	Other Hinges by steel frame manufacturer.		0	Each
TS91B - SL	dormakaba EN 3 Cam action door closer with standard NON HOLD OPEN slide channel arm. EN1154, certified to ISO 9001. Hydraulic speed control. Standard pull-side door leaf fixing. Transom push-side fixing. EN3 suitable for door width 850-950mm. Fire rated: CERTI FIRE approved (CF 119) for door types ITT 120, MM/IMM 240. (Hold open not recommended for use on fire rated doors)	Silver	1	Each
DPH209 BTB	dormakaba 200x22mm Straight Tubular Pull Handle BTB (BTB Fixing Sets included)	Stainless Steel	1	Pair
DDS-SS-017	dormakaba Floor Mounted Door Stop	Stainless Steel	1	Each
DSS-131 F	dormakaba 150x150mm FEMALE sign	Stainless Steel	1	Each

HARDWARE PER SET

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HARDWARE FOR SET:	12
Hardware Set Quantity :	1
Notes	Cylinders To Be Keyed Alike To Each Other
Doors (10)	D02, D02, D04, D04, D03, D03, D04, D03, D03, D03

Product Code	Description	Finish	Qty	Units
DBB-SS-009	dormakaba 102x75x3mm, EN1935 Grade 13, Two ball bearing butt hinge. Fire rated. 120kg Carrying capacity per pair. Finish: Stainless Steel	Stainless Steel	1.5	Pair
CR001 Latch S.S	dormakaba Lever handle on rose - Latch	Stainless Steel	1	Set
D036S SS	dormakaba Cylinder Sash Lock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm. Centres 61mm.	Stainless Steel	1	Each
DDC206301 MK	dormakaba 63mm - 31.5+31.5mm Europrofile Nickel Plated E-SP 5 Pin Double Cylinder - Master Keyed	Satin Nickel	1	Each
DCE-002 S.S	dormakaba Round Cylinder escutcheon	Stainless Steel	1	Pair
DDS-SS-017	dormakaba Floor Mounted Door Stop	Stainless Steel	1	Each

HARDWARE PER SET

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HARDWARE FOR SET:	13
Hardware Set Quantity :	1
Notes	Cylinders To Be Keyed Alike To Each Other
Doors (11)	G02, G02, G02, G02, G02, G02, G03, G03, G03, G03, G03

Product Code	Description	Finish	Qty	Units
166	Halstead 200 mm SC on Brass Cabin Hook and Eye With 100x100x75mm Chamfered Wrot Meranti Block		1	Each
HLBGM	Hinges and lock box by gate manufacture		1	Each
000000	ISEO ISEO 0000007780000 Tropicalised Steel Three Throws Backing Latch Hooks Profile Cylinder Lockcase For Use On either Swing Or Sliding Gates. Cylinder Excluded.	-	1	Each
DDC206301 MK	dormakaba 63mm - 31.5+31.5mm Europrofile Nickel Plated E-SP 5 Pin Double Cylinder - Master Keyed	Satin Nickel	1	Each

HARDWARE PER SET

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HARDWARE FOR SET:	14
Hardware Set Quantity :	1
Notes	Cylinders To Be Keyed Alike To Each Other
Doors (5)	D01, D01, D01, D01, D01

Product Code	Description	Finish	Qty	Units
401SC	Halcastt HALCAST 401SC Doorstop And Holder		2	each
DBB-SS-009	dormakaba 102x75x3mm, EN1935 Grade 13, Two ball bearing butt hinge. Fire rated. 120kg Carrying capacity per pair. Finish: Stainless Steel	Stainless Steel	3	Pair
CR001 Latch S.S	dormakaba Lever handle on rose - Latch	Stainless Steel	1	Set
D036S SS	dormakaba Cylinder Sash Lock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm. Centres 61mm.	Stainless Steel	1	Each
DDC206301 MK	dormakaba 63mm - 31.5+31.5mm Europrofile Nickel Plated E-SP 5 Pin Double Cylinder - Master Keyed	Satin Nickel	1	Each
DCE-002 S.S	dormakaba Round Cylinder escutcheon	Stainless Steel	1	Pair
D038R NP	dormakaba Rebate conversion kit for Euro Profile locks D036S, D037D.	Nickel Plated	1	Each
DFB-SC-180	dormakaba 153mm Manual flush bolt with heel	Satin Chrome	2	Each
DPS-SS-032	dormakaba Dust Proof Strike	Stainless Steel	1	Each

HARDWARE PER SET

PROJECT NAME:	SRH03.08.2026. - Renovations For Reubin Birin School For The Hearing Impaired.	REPORT DATE:	11/03/2026
PROFESSIONAL:		REVISION DATE:	11/03/2026
CONSULTANT:	Shaun Harvey	REVISION:	v 2

HARDWARE FOR SET:	15
Hardware Set Quantity :	1
Notes	
Doors (8)	D05, D05, D05, D05, D05, D05, D05, D06

Product Code	Description	Finish	Qty	Units
ROLLER	a Roller Shutter Door As Per Architects Detail, Prepared for Padlock Specified		1	Each
SHUTTER	Roller Shutter Door Supplied Complete.		1	Each
DPL2000 MK	dormakaba 45mm - E-SP Chrome Padlock with 8mm Stainless Steel Shackle 30mm Clearance - Master Keyed	Satin Nickel	1	Each

HARDWARE FOR SET:	16
Hardware Set Quantity :	1
Notes	
Doors (1)	D07

Product Code	Description	Finish	Qty	Units
STRONG	0 Strongroom Door By Specialist Supplied With All Necessary Ironmongery		1	Each

HARDWARE PER SET

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PROFESSIONAL:		REVISION DATE:	11/03/2026
CONSULTANT:	Shaun Harvey	REVISION:	v 2

HARDWARE FOR SET:	17
Hardware Set Quantity :	1
Notes	
Doors (2)	D02, D02

Product Code	Description	Finish	Qty	Units
BTS75 DAT-HO	dormakaba BTS75 Adjustable size EN 1-4 HOLD OPEN, certified to EN1154, CF 127. DOUBLE ACTION accessories, for 120kg door leaf weight. Adjustable closing and latching speeds, backcheck. [FOR TIMBER DOOR] Components - [Mech/Spindle/7510SS/7421/8062]	Stainless Steel (Cover)	2	Set
2300	dormakaba Sealing Compound to be applied to floor spring cement box.		2	Each
DPP-430-BL-GF 150X300	dormakaba 150x300x1.2mm thick Grade 430 stainless steel plate. Stainless Steel Plate to be glue fixed.(Special Order)	430 Brushed Stainless Steel	4	Each
D037D SS	dormakaba Cylinder Deadlock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm.	Stainless Steel	1	Each
DDC206301 MK	dormakaba 63mm - 31.5+31.5mm Europrofile Nickel Plated E-SP 5 Pin Double Cylinder - Master Keyed	Satin Nickel	1	Each
DCE-002 S.S	dormakaba Round Cylinder escutcheon	Stainless Steel	1	Pair
DFB-SC-180	dormakaba 153mm Manual flush bolt with heel	Satin Chrome	2	Each
DPS-SS-032	dormakaba Dust Proof Strike	Stainless Steel	1	Each
DDS-SS-017	dormakaba Floor Mounted Door Stop	Stainless Steel	4	Each

HARDWARE PER SET

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PROFESSIONAL:		REVISION DATE:	11/03/2026
CONSULTANT:	Shaun Harvey	REVISION:	v 2

HARDWARE FOR SET:	18
Hardware Set Quantity :	1
Notes	
Doors (1)	D01

Product Code	Description	Finish	Qty	Units
166	Halstead 200 mm SC on Brass Cabin Hook and Eye With 100x100x75mm Chamfered Wrot Meranti Block		2	Each
GALV	0 150mm Galvanised Barrel Bolt Fitted To Inactive Doorleaf, Top & Bottom		2	Each
DBB-SS-009	dormakaba 102x75x3mm, EN1935 Grade 13, Two ball bearing butt hinge. Fire rated. 120kg Carrying capacity per pair. Finish: Stainless Steel	Stainless Steel	3	Pair
CR001 Latch S.S	dormakaba Lever handle on rose - Latch	Stainless Steel	1	Set
D036S SS	dormakaba Cylinder Sash Lock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm. Centres 61mm.	Stainless Steel	1	Each
DKC206301 MK	dormakaba 63mm - 31.5+31.5mm Europrofile Nickel Plated E-SP 5 Pin Knob Cylinder - Master Keyed	Satin Nickel	1	Each
DCE-002 S.S	dormakaba Round Cylinder escutcheon	Stainless Steel	1	Pair
D038R NP	dormakaba Rebate conversion kit for Euro Profile locks D036S, D037D.	Nickel Plated	1	Each

BILL OF MATERIALS

dormakaba

PROJECT NAME:	SRH03.08.2026. - Renovations For Reubin Birin School For The Hearing Impaired.	REPORT DATE:	11/03/2026
PROFESSIONAL:		REVISION DATE:	11/03/2026
CONSULTANT:	Shaun Harvey	REVISION:	v 2

Product Code	Description	Finish	Units	Qty	Price (ZAR)	Total (ZAR)
1040	a 1040 100mm Aluminium Sinkless Hinge, Centre Pin With Standard Alignment Grooving For Easy Fitment		Pair	4.0	0.00	0.00
166	Halstead 200 mm SC on Brass Cabin Hook and Eye With 100x100x75mm Chamfered Wrot Meranti Block		Each	33.0	0.00	0.00
401SC	Halcastt HALCAST 401SC Doorstop And Holder		each	18.0	0.00	0.00
GALV	0 150mm Galvanised Barrel Bolt Fitted To Inactive Doorleaf, Top & Bottom		Each	2.0	0.00	0.00
M1519AS	Alufab M1519AS 150mm Anodised Alum Flush Bolts.		Each	8.0	0.00	0.00
ROLLER	a Roller Shutter Door As Per Architects Detail, Prepared for Padlock Specified		Each	8.0	0.00	0.00
STRONG	0 Strongroom Door By Specialist Supplied With All Necessary Ironmongery		Each	1.0	0.00	0.00
000000	ISEO ISEO 0000007780000 Tropicalised Steel Three Throws Backing Latch Hooks Profile Cylinder Lockcase For Use On either Swing Or Sliding Gates. Cylinder Excluded.	-	Each	21.0	0.00	0.00
2040	Alufab 2040 200mm Aluminium Sinkless Hinges, Centre Pin, Anodised		Each	8.0	0.00	0.00
2300	dormakaba Sealing Compound to be applied to floor spring cement box.		Each	4.0	360.00	1,440.00
BTS75 DAT-HO	dormakaba BTS75 Adjustable size EN 1-4 HOLD OPEN, certified to EN1154, CF 127. DOUBLE ACTION accessories, for 120kg door leaf weight. Adjustable closing and latching speeds, backcheck. [FOR TIMBER DOOR] Components - [Mech/Spindle/7510SS/7421/8062]	Stainless Steel (Cover)	Set	4.0	4,740.00	18,960.00
DBB-SS-009	dormakaba 102x75x3mm, EN1935 Grade 13, Two ball bearing butt hinge. Fire rated. 120kg Carrying capacity per pair. Finish: Stainless Steel	Stainless Steel	Pair	83.0	165.00	13,695.00

BILL OF MATERIALS

dormakaba

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PROFESSIONAL:		REVISION DATE:	11/03/2026
CONSULTANT:	Shaun Harvey	REVISION:	v 2

Product Code	Description	Finish	Units	Qty	Price (ZAR)	Total (ZAR)
HBSFM	Other Hinges by steel frame manufacturer.		Each	0.0	0.00	0.00
HLBGM	Hinges and lock box by gate manufacture		Each	21.0	0.00	0.00
SHUTTER	Roller Shutter Door Supplied Complete.		Each	8.0	0.00	0.00
CR001 Latch S.S	dormakaba Lever handle on rose - Latch	Stainless Steel	Set	96.0	470.00	45,120.00
DMWC-SS-008	dormakaba Bathroom Deadlock. Case dimensions (mm) 38H x 76D. Forend dimensions (mm) 78H x 22.5W. Backset 55mm.	Stainless Steel	Each	14.0	186.00	2,604.00
DRP-SS-023	dormakaba 62x44mm Ring Flush Pull Handle	Stainless Steel	Each	2.0	110.00	220.00
TS73V DC PA - SL	dormakaba EN 1-4 Rack and pinion door closer with standard NON HOLD OPEN scissor arm and paralllel arm bracket. EN1154, certified to ISO 9001. Hydraulic speed control, backcheck and DELAYED ACTION. Standard push side fixing. EN 1 suitable for door width <850mm, EN2 suitable for door width 750-850mm, EN3 suitable for door width 850-950mm, EN4 suitable for door width 950-1100mm. Fire rated. Approved to AS1905 Part 1.	Silver	Set	2.0	2,949.00	5,898.00
TS91B - SL	dormakaba EN 3 Cam action door closer with standard NON HOLD OPEN slide channel arm. EN1154, certified to ISO 9001. Hydraulic speed control. Standard pull-side door leaf fixing. Transom push-side fixing. EN3 suitable for door width 850-950mm. Fire rated: CERTI FIRE approved (CF 119) for door types ITT 120, MM/IMM 240. (Hold open not recommended for use on fire rated doors)	Silver	Each	10.0	2,834.00	28,340.00
D036S SS	dormakaba Cylinder Sash Lock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm. Centres 61mm.	Stainless Steel	Each	96.0	278.00	26,688.00
D037D SS	dormakaba Cylinder Deadlock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm.	Stainless Steel	Each	8.0	221.00	1,768.00
DDC206301 MK	dormakaba 63mm - 31.5+31.5mm Europrofile Nickel Plated E-SP 5 Pin Double Cylinder - Master Keyed	Satin Nickel	Each	42.0	460.00	19,320.00

BILL OF MATERIALS

dormakaba

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PROFESSIONAL:		REVISION DATE:	11/03/2026
CONSULTANT:	Shaun Harvey	REVISION:	v 2

Product Code	Description	Finish	Units	Qty	Price (ZAR)	Total (ZAR)
DPH209 BTB	dormakaba 200x22mm Straight Tubular Pull Handle BTB (BTB Fixing Sets included)	Stainless Steel	Pair	6.0	540.00	3,240.00
DPH210 BTB	dormakaba 300x30mm Straight Tubular Pull Handle BTB (BTB Fixing Sets included)	Stainless Steel	Pair	4.0	766.00	3,064.00
DPH301B	dormakaba 325x25mm Straight Tubular Pull Handle Flange Fixing	Stainless Steel	Each	4.0	269.00	1,076.00
DPL2000 MK	dormakaba 45mm - E-SP Chrome Padlock with 8mm Stainless Steel Shackle 30mm Clearance - Master Keyed	Satin Nickel	Each	8.0	795.00	6,360.00
DPP-430-BL-GF 150X300	dormakaba 150x300x1.2mm thick Grade 430 stainless steel plate. Stainless Steel Plate to be glue fixed.(Special Order)	430 Brushed Stainless Steel	Each	8.0	123.00	984.00
DWC-005	dormakaba Bathroom WC indicator (Red and White) and turnknob	Stainless Steel	Set	12.0	220.00	2,640.00
DKC206301 MK	dormakaba 63mm - 31.5+31.5mm Europrofile Nickel Plated E-SP 5 Pin Knob Cylinder - Master Keyed	Satin Nickel	Each	81.0	519.00	42,039.00
DSC204101 MK	dormakaba 40.5 - Europrofile Nickel Plated E-SP 5 Pin Single Cylinder - Master Keyed	Satin Nickel	Each	2.0	362.00	724.00
DCE-002 S.S	dormakaba Round Cylinder escutcheon	Stainless Steel	Pair	103.0	60.00	6,180.00
DWC-006	dormakaba Disabled WC indicator (Red & White) and turnknob for physically impaired	Stainless Steel	Set	2.0	275.00	550.00
DDS-SS-017	dormakaba Floor Mounted Door Stop	Stainless Steel	Each	104.0	80.00	8,320.00
D038R NP	dormakaba Rebate conversion kit for Euro Profile locks D036S, D037D.	Nickel Plated	Each	6.0	227.00	1,362.00

BILL OF MATERIALS

dormakaba

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PROFESSIONAL:		REVISION DATE:	11/03/2026
CONSULTANT:	Shaun Harvey	REVISION:	v 2

Product Code	Description	Finish	Units	Qty	Price (ZAR)	Total (ZAR)
DFB-SC-180	dormakaba 153mm Manual flush bolt with heel	Satin Chrome	Each	14.0	345.00	4,830.00
PHA2 S SD	dormakaba Two point locking panic bar - Single door - Door leaf 1000mm wide x 2270mm high (2201. 2104. PHX02. PHX04)	Silver	Set	4.0	5,153.00	20,612.00
DPS-SS-032	dormakaba Dust Proof Strike	Stainless Steel	Each	11.0	85.00	935.00
DBC-SS-022	dormakaba Adjustable Roller Bolt	Stainless Steel	Each	2.0	130.00	260.00
DHC-SS-031B	dormakaba Hat and Coat Hook with rubber buffer	Stainless Steel	Each	12.0	62.00	744.00
DKP-430-SF 150	dormakaba 150x(width of door)x1.2mm thick Grade 430 stainless steel kick plate. Stainless Steel Kick Plate to have 10 countersunk holes for screw fixing. (List price calculated on 813mm wide door)	430 Brushed Stainless Steel	Each	4.0	334.00	1,336.00
DSS-131 F	dormakaba 150x150mm FEMALE sign	Stainless Steel	Each	6.0	214.00	1,284.00
DSS-133 P	dormakaba 150x150mm DISABLED PERSONS sign	Stainless Steel	Each	2.0	214.00	428.00
					Total (ZAR)	271,021.00

Lixil

RUBEN BIRIN SCHOOL FOR HEARING IMPAIRED

LIXRQUO-283315.1

Document:	Schedule
Date:	March 5, 2026, 8:04 a.m.
Representative:	Andy Camphausen
Telephone Number:	0832884536
Email Address:	andy.camphausen@lixil.com

BLOCK D GROUND, FIRST

WC

Image	Supplier Code	Description	Qty
	G-39430000	Floor standing WC	7

Product Notes: Rimless technology combines with timeless styling in the GROHE Bau Ceramic floor-standing WC - wash down, rimless, horizontal outlet, flush volume 6/3 l, including fixation set, sanitary ware, compatible with seat and cover 39 492 000 (standard), 39 493 000 (soft close) and 39 898 000 (slim seat soft close)

Image	Supplier Code	Description	Qty
	FJ4-203/N	Toilet Flush Valve	7

Product Notes: Concealed back entry. Non-hold open feature. With integral vacuum breaker, and 'Ball O Stop control inlet. Straight flushpipe with elbow, 3/4BSP female iron connection end. Recommended optimum design pressures: inlet flow pressure 150 - 500kPa for back entry WC pans: Maximum system pressure 600kPa. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

WHB

Image	Supplier Code	Description	Qty
	709300WH	Basin Wall Hung 495X430X190	8

Product Notes: Cobra Shelter Round wall hung basin. 495mm long X 430mm wide. 1 X pre-punched tap hole in the centre of the basin. Overflow, expansion bolts & installation manual included. Compatible with Cobra round full pedestal [CWLPERD1-6DT01] and round semi-pedestal [CWLPERD2-6DT01]. Also compatible with Cobra standard-sized basin mixers.

Image	Supplier Code	Description	Qty
	303/N	Waste - Basin	8

Product Notes: Slotted. With flanged back nut and washer, and plug. 62mm Ã˜ flange, 77mm long shank. 1 1/4BSP Male iron connection end. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

WHB

Image	Supplier Code	Description	Qty
	309-32/N	Anti-theft Plug 32	8

Product Notes: Anti-theft. For 1 1/4 (32mm) wastes with 72mm spindle. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

Image	Supplier Code	Description	Qty
	340/NV	Universal Bottle Trap 32&40mm	8

Product Notes: With adjustable telescopic waste connection pipe. 1 1/4BSP female inlet connection. 1 1/4BSP male iron outlet connection. Brass body. Comes with waste adaptor 1 Â¼ to 1 Â½ BSP & outlet adaptors 1 Â¼ & 1 Â½. Maximum flow rate +/- 37.5 l/min for trap alone, the flow rate is +/- 35.5 l/min. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

Image	Supplier Code	Description	Qty
	ZM-951	Basin Mixer Standard	8

Product Notes: Zambezi pillar type single lever basin mixer flow rate restricted to 3.6 ltrs/ min G1/2 female connection ends chrome. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

Image	Supplier Code	Description	Qty
	232-10/NV	Angle Valve	16

Product Notes: Angle regulating valve with durable ABS handle, DZR body, flow regulating spindle type headpart G1/2 X G1/2 BSP connections. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

PARAPLEGIC WC

Image	Supplier Code	Description	Qty
	232-10/NV	Angle Valve	1

Product Notes: Angle regulating valve with durable ABS handle, DZR body, flow regulating spindle type headpart G1/2 X G1/2 BSP connections. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

Image	Supplier Code	Description	Qty
	C-15/350	Flexi Connector	1

Product Notes: Flexible connector, fxf, chrome.

PARAPLEGIC WHB

Image	Supplier Code	Description	Qty
	709000WH	Basin Wall Hung 400X321X170	1

Product Notes: Cobra Welcome Small round wall hung basin. 400mm long X 320mm wide. 1 X pre-punched tap hole on the right hand side of the basin. Wall fixing set & installation manual included. Compatible with Cobra standard-sized basin mixers.

Image	Supplier Code	Description	Qty
	303/N	Waste - Basin	1

Product Notes: Slotted. With flanged back nut and washer, and plug. 62mm Ã˜ flange, 77mm long shank. 1 1/4BSP Male iron connection end. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

Image	Supplier Code	Description	Qty
	309-32/N	Anti-theft Plug 32	1

PARAPLEGIC WHB

Image	Supplier Code	Description	Qty
Product Notes: Anti-theft. For 1 1/4 (32mm) wastes with 72mm spindle. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.			
	340/NV	Universal Bottle Trap 32&40mm	1
Product Notes: With adjustable telescopic waste connection pipe. 1 1/4BSP female inlet connection. 1 1/4BSP male iron outlet connection. Brass body. Comes with waste adaptor 1 Â¼ to 1 Â½ BSP & outlet adaptors 1 Â¼ & 1 Â½. Maximum flow rate +/- 37.5 l/min for trap alone, the flow rate is +/- 35.5 l/min. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.			
	G-23982003	Single-lever basin mixer 1/2 S-Size	1
Product Notes: Prioritising ease of use, the water-saving Eurosmart basin mixer has a long lever handle, perfect for health settings of all kinds - monobloc installation, long metal lever, lever length 156 mm, GROHE SilkMove 35 mm ceramic cartridge, maximum flow rate (at 3 bar): 8 l/min, Laminar flow straightener, adjustable flow rate limiter, with temperature limiter, GROHE FastFixation installation system, smooth body with push-open waste set 1 1/4", flexible connection hoses, professional edition			
	C-AV/ADAP1/2F-3/8M	Angle Valve Adaptor	2
Product Notes: Adaptor allowing for an angle valve with a G1/2 connection to connect to a Cobra single lever basin or sink mixer manufactured with G3/8 flexible connectors. For African installations. Manufactured with Cobra DefenZR durable dezincification-resistant brass. Plated with Cobra PureShine chrome plating for long-lasting shine. Access to Cobra TeamAssist technical team. 20-year warranty.			
	232-10/NV	Angle Valve	2
Product Notes: Angle regulating valve with durable ABS handle, DZR body, flow regulating spindle type headpart G1/2 X G1/2 BSP connections. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.			

BATH

Image	Supplier Code	Description	Qty
	01-FP-BM001/NV	Bath Built In with handles 1690x690x380	4

Product Notes: Made from cast acrylic with 3mm chipboard baseboard support. Rectangular, end waste, white. 1690mm X 690mm X 380mm. Without handles. Waste sold separately.

	318-40/NV	Click Bath Waste Noslot 1&1/2 CP	4

Product Notes: Click type. Unslotted, with integral plug. 40mm long shank. 1 1/2BSP Male iron connection end. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

	030/N	Bath Filler	4

Product Notes: Combination bath filler and overflow with integral anti back syphonage prevention. 2 x 1/2BSP female inlets with blanking plug for left hand or right hand entry. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

	ZM-956	Bath/Shower Mixer Concealed	4

Product Notes: Zambezi concealed shower or bath mixer single lever 2 x G1/2 female inlet, G1/2 female outlet chrome. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

ASSISTED SHOWER

Image	Supplier Code	Description	Qty
	007COB/CP	Hand shower set	1

Product Notes: Hand shower set 3 function shower head with holder and hose chrome. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

	AP8-ZM	Shower wall outlet	1

Product Notes: Outlet elbow for hand shower brass G1/2 connection ends chrome. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

	ZM-956	Bath/Shower Mixer Concealed	1

Product Notes: Zambezi concealed shower or bath mixer single lever 2 x G1/2 female inlet, G1/2 female outlet chrome. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

	373SQ/BN	Shower Waste Square	1

Product Notes: Shower p-trap, stainless steel, . Includes: shallow seal, square brushed nickel-plated 115 X 115mm grid 50mm outlet Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

SHOWER

Image	Supplier Code	Description	Qty
	G-28002000	Sports head shower 1 spray	11

Product Notes: low aerosol emission, heavy, cast model, theft proof, connection thread 1/2", projection 57 mm, flow limiter 9 l/min. and 12 l/min., GROHE DreamSpray perfect spray pattern, GROHE Long-Life finish, SpeedClean anti-limescale system, Inner WaterGuide for a longer life, suicide resistant design, pipe union plug-in for wall connection

	ZM-956	Bath/Shower Mixer Concealed	11

Product Notes: Zambezi concealed shower or bath mixer single lever 2 x G1/2 female inlet, G1/2 female outlet chrome. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

	373SQ/BN	Shower Waste Square	11

Product Notes: Shower p-trap, stainless steel, . Includes: shallow seal, square brushed nickel-plated 115 X 115mm grid 50mm outlet Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

SINK BRASSWARE

Image	Supplier Code	Description	Qty
	ZM-973	Sink Mixer Low Level Spout	4

Product Notes: Zambezi pillar type sink mixer low level spout single lever flow rate restricted to 6.2 ltrs/min, g1/2 female connection ends chrome plated Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

SINK BRASSWARE

Image	Supplier Code	Description	Qty
	232-10/NV	Angle Valve	8

Product Notes: Angle regulating valve with durable ABS handle, DZR body, flow regulating spindle type headpart G1/2 X G1/2 BSP connections. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

Image	Supplier Code	Description	Qty
	311/N	Waste - Sink	4

Product Notes: Unslotted. With flanged back nut and washer, plug with stirrup. 86mm Ã˜ flange, 93mm long shank. 1 1/2BSP Male iron connection end. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

BLOCK E GROUND, FIRST

WC

Image	Supplier Code	Description	Qty
	G-39430000	Floor standing WC	7

Product Notes: Rimless technology combines with timeless styling in the GROHE Bau Ceramic floor-standing WC - wash down, rimless, horizontal outlet, flush volume 6/3 l, including fixation set, sanitary ware, compatible with seat and cover 39 492 000 (standard), 39 493 000 (soft close) and 39 898 000 (slim seat soft close)

Image	Supplier Code	Description	Qty
	FJ4-203/N	Toilet Flush Valve	7

WC

Image	Supplier Code	Description	Qty

Product Notes: Concealed back entry. Non-hold open feature. With integral vacuum breaker, and 'Ball O Stop control inlet. Straight flushpipe with elbow, 3/4BSP female iron connection end. Recommended optimum design pressures: inlet flow pressure 150 - 500kPa for back entry WC pans: Maximum system pressure 600kPa. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

WHB

Image	Supplier Code	Description	Qty
	709300WH	Basin Wall Hung 495X430X190	8

Product Notes: Cobra Shelter Round wall hung basin. 495mm long X 430mm wide. 1 X pre-punched tap hole in the centre of the basin. Overflow, expansion bolts & installation manual included. Compatible with Cobra round full pedestal [CWLPERD1-6DT01] and round semi-pedestal [CWLPERD2-6DT01]. Also compatible with Cobra standard-sized basin mixers.

	303/N	Waste - Basin	8

Product Notes: Slotted. With flanged back nut and washer, and plug. 62mm Ã˜ flange, 77mm long shank. 1 1/4BSP Male iron connection end. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

	309-32/N	Anti-theft Plug 32	8

Product Notes: Anti-theft. For 1 1/4 (32mm) wastes with 72mm spindle. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

	340/NV	Universal Bottle Trap 32&40mm	8

WHB

Image	Supplier Code	Description	Qty
Product Notes: With adjustable telescopic waste connection pipe. 1 1/4BSP female inlet connection. 1 1/4BSP male iron outlet connection. Brass body. Comes with waste adaptor 1 Â¼ to 1 Â½ BSP & outlet adaptors 1 Â¼ & 1 Â½. Maximum flow rate +/- 37.5 l/min for trap alone, the flow rate is +/- 35.5 l/min. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.			
	ZM-951	Basin Mixer Standard	8
Product Notes: Zambezi pillar type single lever basin mixer flow rate restricted to 3.6 ltrs/ min G1/2 female connection ends chrome. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.			
	232-10/NV	Angle Valve	16
Product Notes: Angle regulating valve with durable ABS handle, DZR body, flow regulating spindle type headpart G1/2 X G1/2 BSP connections. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.			

PARAPLEGIC WC

Image	Supplier Code	Description	Qty
	232-10/NV	Angle Valve	1
Product Notes: Angle regulating valve with durable ABS handle, DZR body, flow regulating spindle type headpart G1/2 X G1/2 BSP connections. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.			
	C-15/350	Flexi Connector	1
Product Notes: Flexible connector, fxf, chrome.			

PARAPLEGIC WHB

Image	Supplier Code	Description	Qty
	709000WH	Basin Wall Hung 400X321X170	1
Product Notes: Cobra Welcome Small round wall hung basin. 400mm long X 320mm wide. 1 X pre-punched tap hole on the right hand side of the basin. Wall fixing set & installation manual included. Compatible with Cobra standard-sized basin mixers.			
	303/N	Waste - Basin	1
Product Notes: Slotted. With flanged back nut and washer, and plug. 62mm Ã˜ flange, 77mm long shank. 1 1/4BSP Male iron connection end. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.			
	309-32/N	Anti-theft Plug 32	1
Product Notes: Anti-theft. For 1 1/4 (32mm) wastes with 72mm spindle. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.			
	340/NV	Universal Bottle Trap 32&40mm	1
Product Notes: With adjustable telescopic waste connection pipe. 1 1/4BSP female inlet connection. 1 1/4BSP male iron outlet connection. Brass body. Comes with waste adaptor 1 Â¼ to 1 Â½ BSP & outlet adaptors 1 Â¼ & 1 Â½. Maximum flow rate +/- 37.5 l/min for trap alone, the flow rate is +/- 35.5 l/min. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.			

PARAPLEGIC WHB

Image	Supplier Code	Description	Qty
	G-23982003	Single-lever basin mixer 1/2 S-Size	1

Product Notes: Prioritising ease of use, the water-saving Eurosmart basin mixer has a long lever handle, perfect for health settings of all kinds - monobloc installation, long metal lever, lever length 156 mm, GROHE SilkMove 35 mm ceramic cartridge, maximum flow rate (at 3 bar): 8 l/min, Laminar flow straightener, adjustable flow rate limiter, with temperature limiter, GROHE FastFixation installation system, smooth body with push-open waste set 1 1/4", flexible connection hoses, professional edition

	C-AV/ADAP1/2F-3/8M	Angle Valve Adaptor	2

Product Notes: Adaptor allowing for an angle valve with a G1/2 connection to connect to a Cobra single lever basin or sink mixer manufactured with G3/8 flexible connectors. For African installations. Manufactured with Cobra DefenZR durable dezincification-resistant brass. Plated with Cobra PureShine chrome plating for long-lasting shine. Access to Cobra TeamAssist technical team. 20-year warranty.

	232-10/NV	Angle Valve	2

Product Notes: Angle regulating valve with durable ABS handle, DZR body, flow regulating spindle type headpart G1/2 X G1/2 BSP connections. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

BATH

Image	Supplier Code	Description	Qty
	01-FP-BM001/NV	Bath Built In with handles 1690x690x380	4

Product Notes: Made from cast acrylic with 3mm chipboard baseboard support. Rectangular, end waste, white. 1690mm X 690mm X 380mm. Without handles. Waste sold separately.

BATH

Image	Supplier Code	Description	Qty
	318-40/NV	Click Bath Waste Noslot 1&1/2 CP	4

Product Notes: Click type. Unslotted, with integral plug. 40mm long shank. 1 1/2BSP Male iron connection end. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

	030/N	Bath Filler	4

Product Notes: Combination bath filler and overflow with integral anti back syphonage prevention. 2 x 1/2BSP female inlets with blanking plug for left hand or right hand entry. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

	ZM-956	Bath/Shower Mixer Concealed	4

Product Notes: Zambezi concealed shower or bath mixer single lever 2 x G1/2 female inlet, G1/2 female outlet chrome. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

ASSISTED SHOWER

Image	Supplier Code	Description	Qty
	007COB/CP	Hand shower set	1

Product Notes: Hand shower set 3 function shower head with holder and hose chrome. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

ASSISTED SHOWER

Image	Supplier Code	Description	Qty
	AP8-ZM	Shower wall outlet	1

Product Notes: Outlet elbow for hand shower brass G1/2 connection ends chrome. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

	ZM-956	Bath/Shower Mixer Concealed	1

Product Notes: Zambezi concealed shower or bath mixer single lever 2 x G1/2 female inlet, G1/2 female outlet chrome. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

	373SQ/BN	Shower Waste Square	1

Product Notes: Shower p-trap, stainless steel, . Includes: shallow seal, square brushed nickel-plated 115 X 115mm grid 50mm outlet Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

SHOWER

Image	Supplier Code	Description	Qty
	G-28002000	Sports head shower 1 spray	11

Product Notes: low aerosol emission, heavy, cast model, theft proof, connection thread 1/2", projection 57 mm, flow limiter 9 l/min. and 12 l/min., GROHE DreamSpray perfect spray pattern, GROHE Long-Life finish, SpeedClean anti-limescale system, Inner WaterGuide for a longer life, suicide resistant design, pipe union plug-in for wall connection

SHOWER

Image	Supplier Code	Description	Qty
	ZM-956	Bath/Shower Mixer Concealed	11

Product Notes: Zambezi concealed shower or bath mixer single lever 2 x G1/2 female inlet, G1/2 female outlet chrome. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

Image	Supplier Code	Description	Qty
	373SQ/BN	Shower Waste Square	11

Product Notes: Shower p-trap, stainless steel, . Includes: shallow seal, square brushed nickel-plated 115 X 115mm grid 50mm outlet Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

SINK BRASSWARE

Image	Supplier Code	Description	Qty
	ZM-973	Sink Mixer Low Level Spout	4

Product Notes: Zambezi pillar type sink mixer low level spout single lever flow rate restricted to 6.2 ltrs/min, g1/2 female connection ends chrome plated Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

Image	Supplier Code	Description	Qty
	232-10/NV	Angle Valve	8

Product Notes: Angle regulating valve with durable ABS handle, DZR body, flow regulating spindle type headpart G1/2 X G1/2 BSP connections. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

SINK BRASSWARE

Image	Supplier Code	Description	Qty
	311/N	Waste - Sink	4

Product Notes: Unslotted. With flanged back nut and washer, plug with stirrup. 86mm Ã˜ flange, 93mm long shank. 1 1/2BSP Male iron connection end. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

Terms and Conditions

LIXIL AFRICA QUOTE VALIDITY:

1. Quotes will be valid for 30 days unless where prior provision has been made to extend this beyond the 30-day term period
2. The discount given is based on the quantity and item code quoted, should the Purchase Order not match the quantity in the quotation, we reserve the right to re-quote.
3. All returns will be subject to a 20% handling fee

LIXIL AFRICA PRODUCT WARRANTY:

Please follow this link for the LIXIL Africa Warranty:-

www.cobra.co.za/warranty

Lixil

RUBEN BIRIN SCHOOL FOR HEARING IMPAIRED

LIXRQUO-283315.1

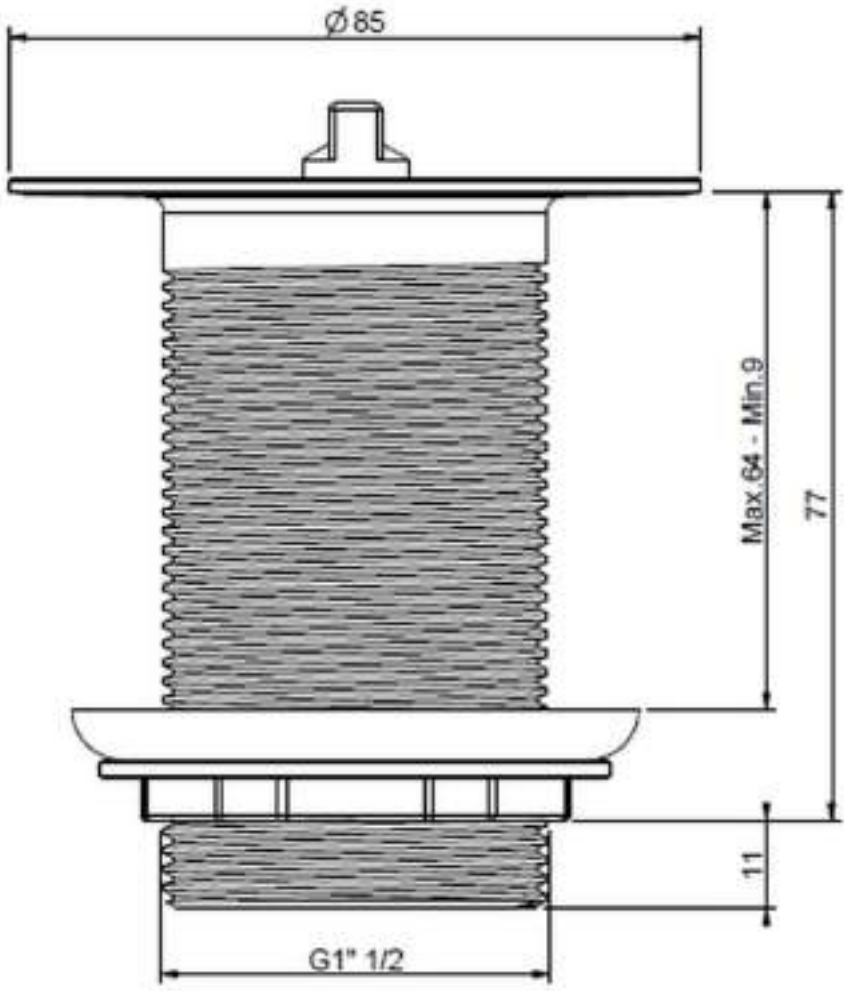
Document:	Technical Specifications
Date:	March 5, 2026, 8:04 a.m.
Representative:	Andy Camphausen
Telephone Number:	0832884536
Email Address:	andy.camphausen@lixil.com

311/N

Waste - Sink



LENGTH:	WIDTH:	HEIGHT:	WEIGHT:	VOLUME:
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NOTES

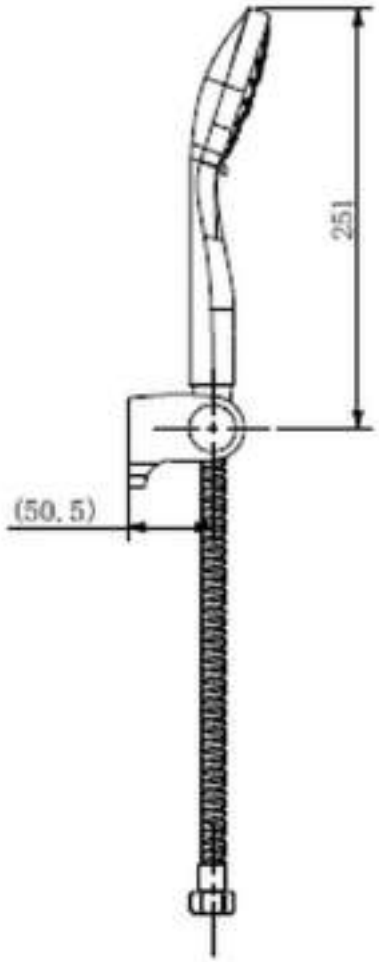
Unslotted. With flanged back nut and washer, plug with stirrup. 86mm Ã˜ flange, 93mm long shank. 1 1/2BSP Male iron connection end. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

007COB/CP

Hand shower set



LENGTH:	WIDTH:	HEIGHT:	WEIGHT:	VOLUME:
None None	None None	None None	None None	0.0 None



NOTES

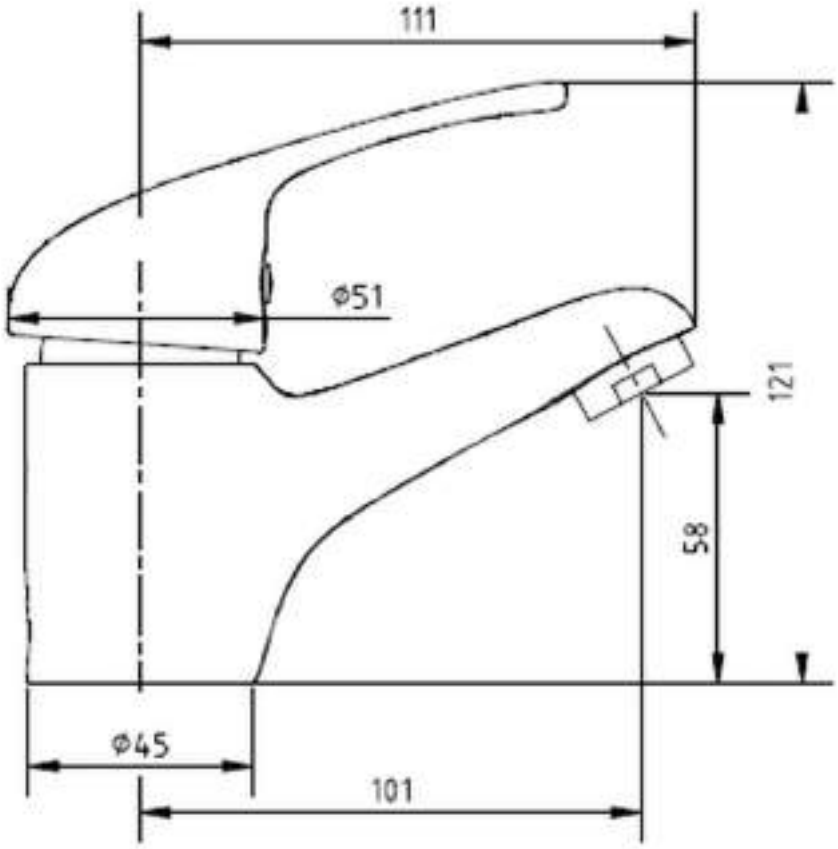
Hand shower set 3 function shower head with holder and hose chrome. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

ZM-951

Basin Mixer Standard



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NOTES

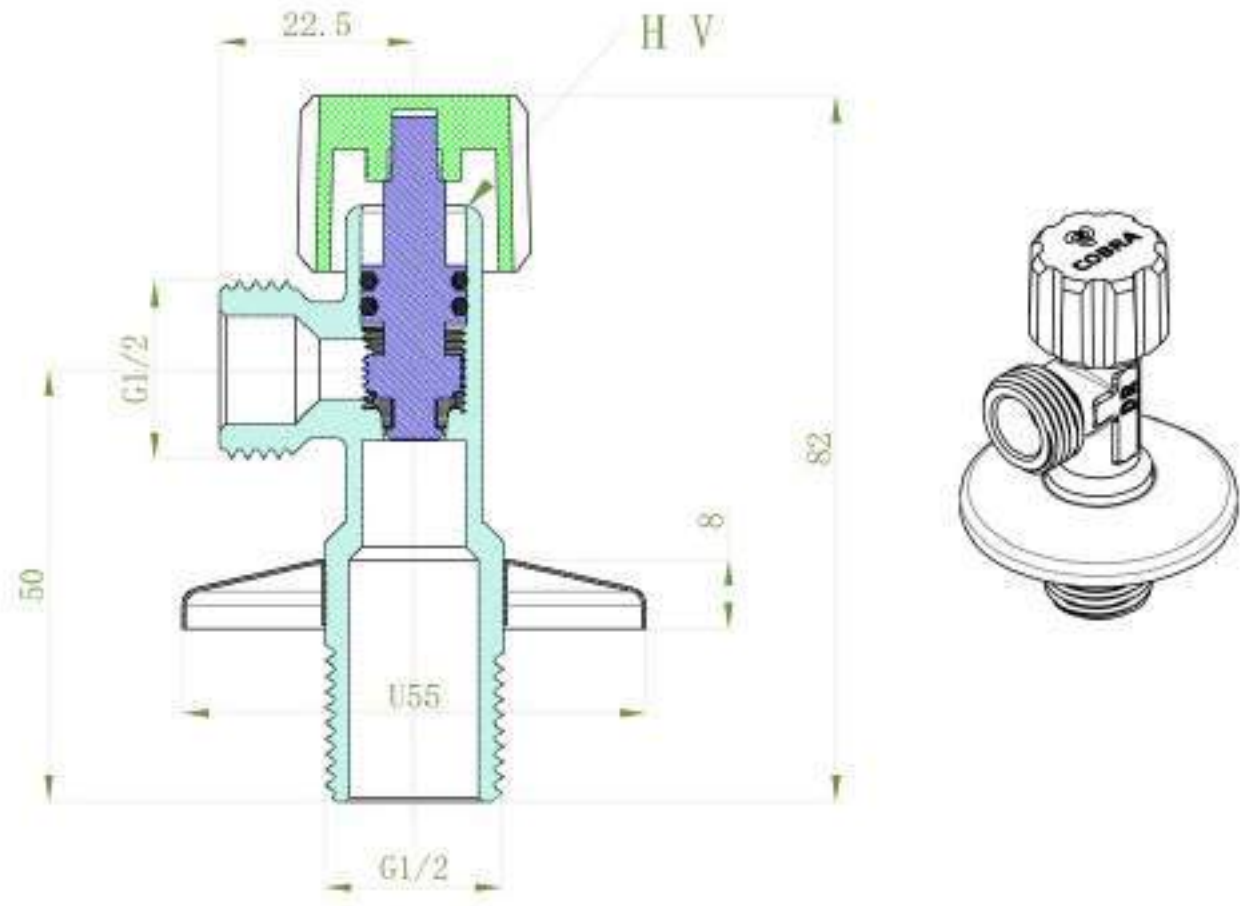
Zambezi pillar type single lever basin mixer flow rate restricted to 3.6 ltrs/ min G1/2 female connection ends chrome. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

232-10/NV

Angle Valve



LENGTH:	WIDTH:	HEIGHT:	WEIGHT:	VOLUME:
None None	None None	None None	None None	0.0 None



NOTES

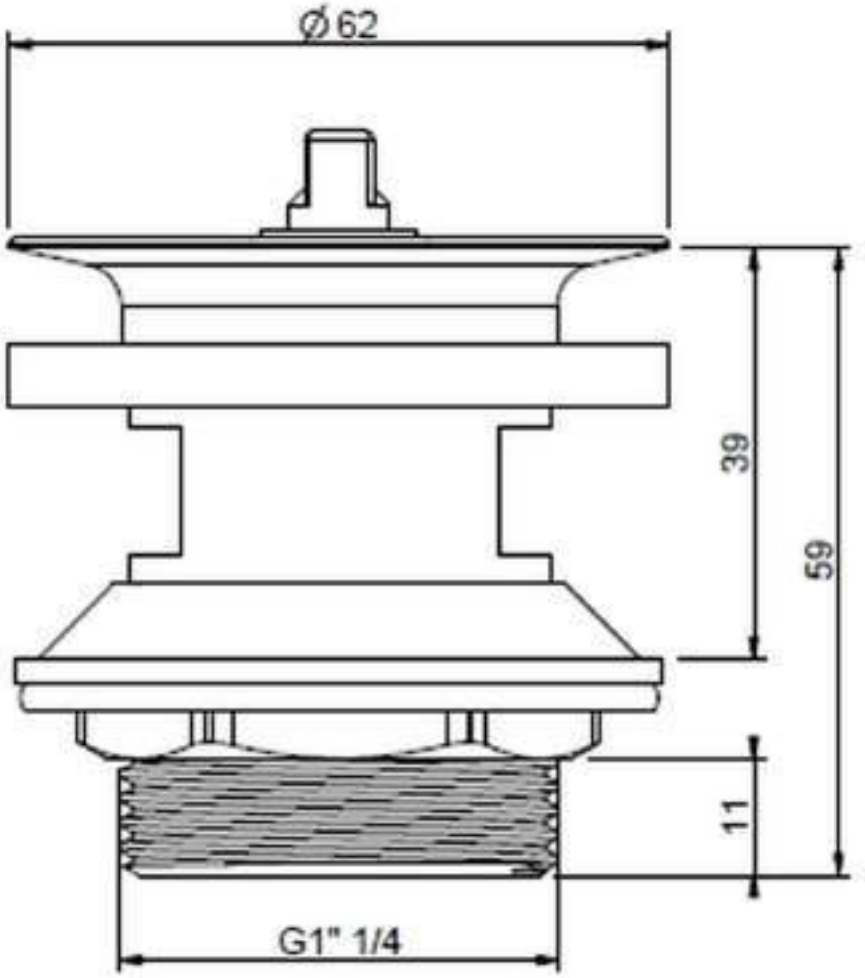
Angle regulating valve with durable ABS handle, DZR body, flow regulating spindle type headpart G1/2 X G1/2 BSP connections. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

303/N

Waste - Basin



LENGTH:	WIDTH:	HEIGHT:	WEIGHT:	VOLUME:
None None	None None	None None	None None	0.0 None



NOTES

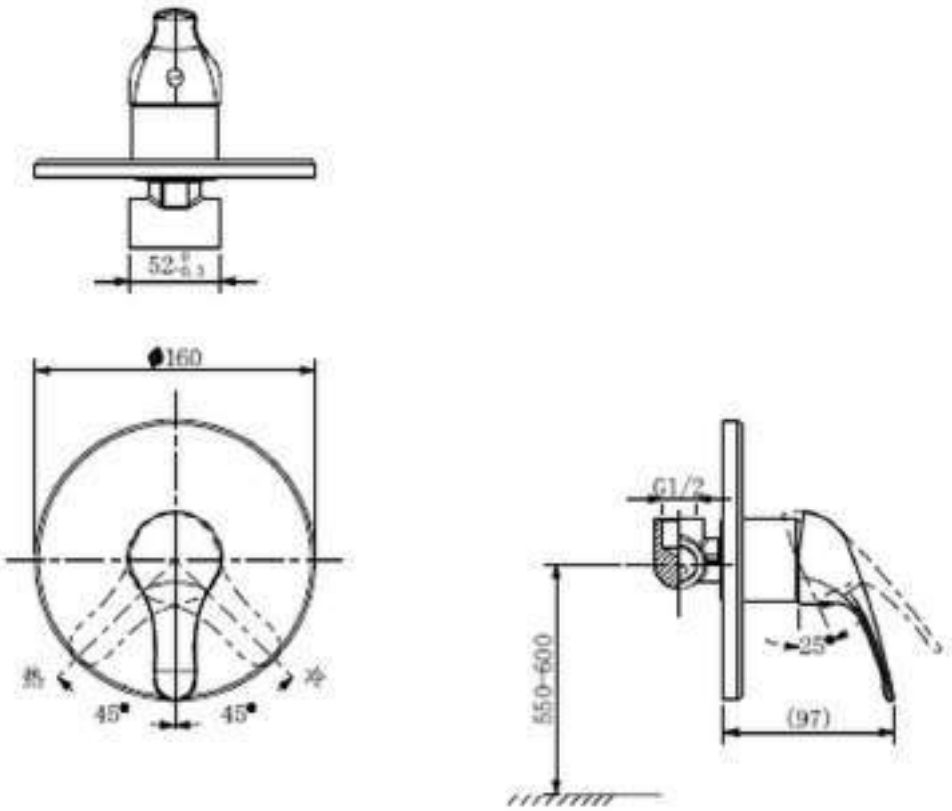
Slotted. With flanged back nut and washer, and plug. 62mm Ã˜ flange, 77mm long shank. 1 1/4BSP Male iron connection end. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

ZM-956

Bath/Shower Mixer Concealed



LENGTH:	WIDTH:	HEIGHT:	WEIGHT:	VOLUME:
None None	None None	None None	None None	0.0 None



NOTES

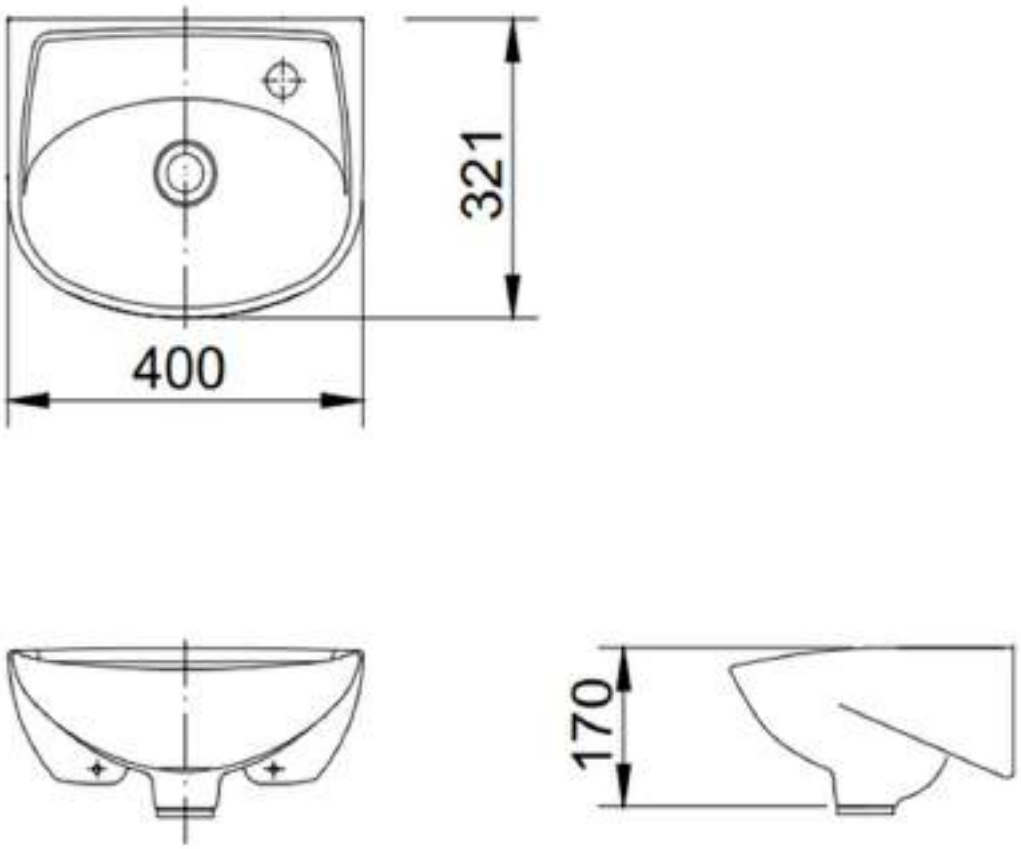
Zambezi concealed shower or bath mixer single lever 2 x G1/2 female inlet, G1/2 female outlet chrome. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

709000WH

Basin Wall Hung 400X321X170



LENGTH:	WIDTH:	HEIGHT:	WEIGHT:	VOLUME:
None None	None None	None None	None None	0.0 None



NOTES

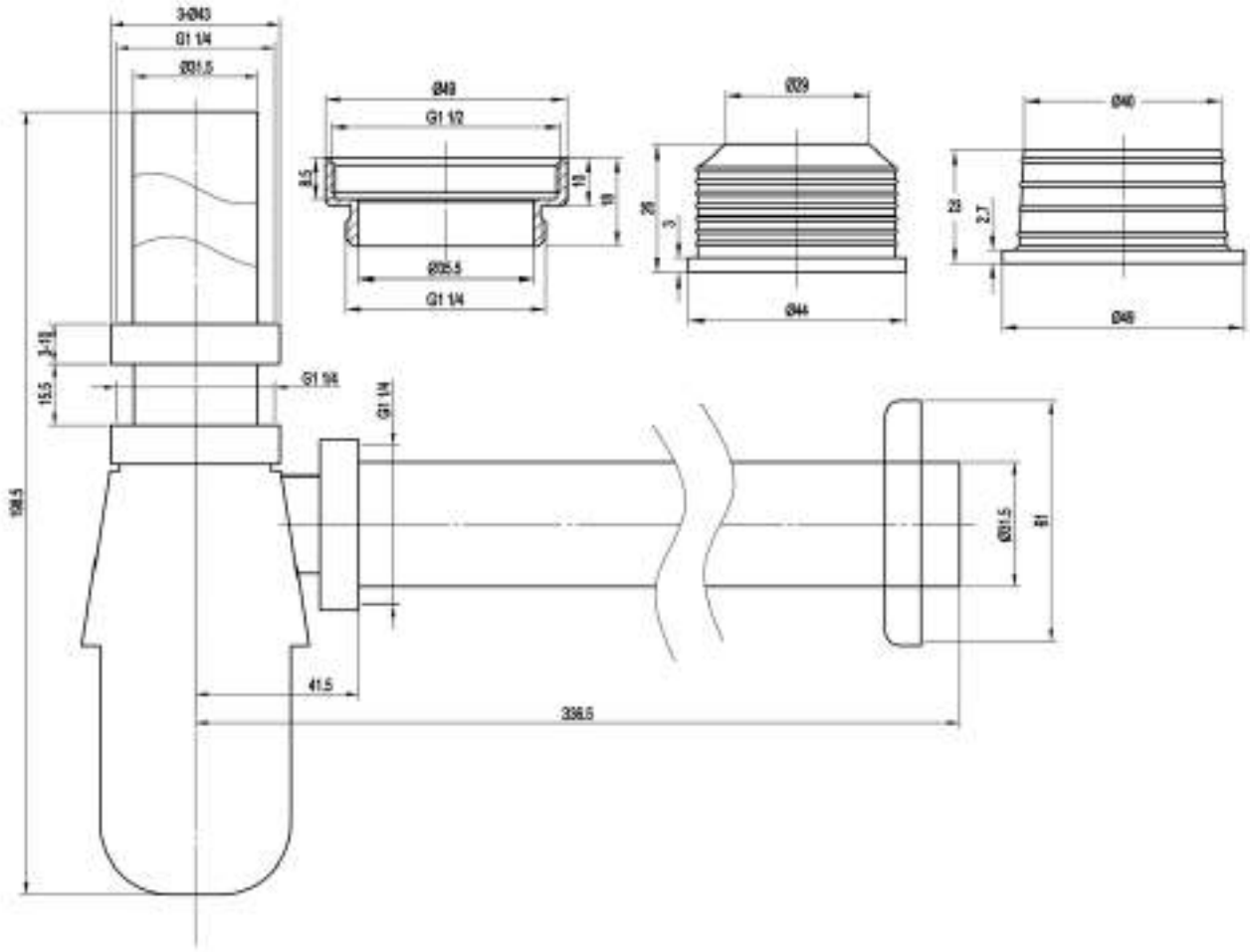
Cobra Welcome Small round wall hung basin. 400mm long X 320mm wide. 1 X pre-punched tap hole on the right hand side of the basin. Wall fixing set & installation manual included. Compatible with Cobra standard-sized basin mixers.

340/NV

Universal Bottle Trap 32&40mm



LENGTH:	WIDTH:	HEIGHT:	WEIGHT:	VOLUME:
58.0 mm	172.0 mm	375.0 mm	0.41 kg	0.0 None



NOTES

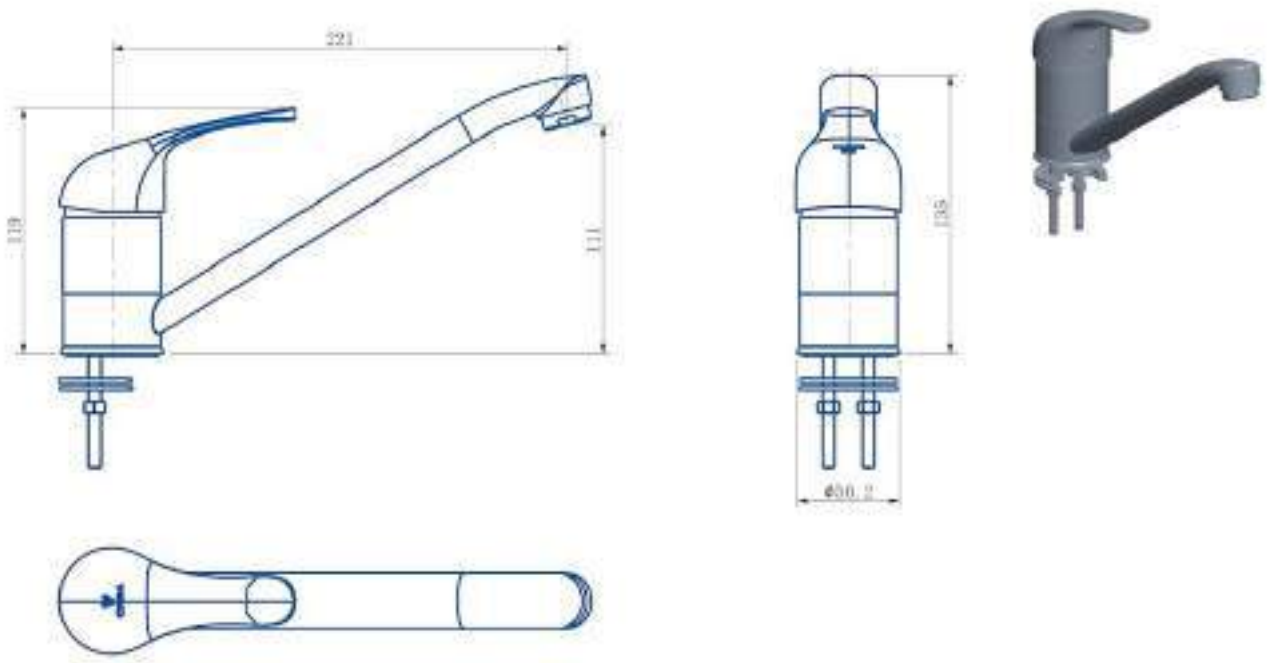
With adjustable telescopic waste connection pipe. 1 1/4BSP female inlet connection. 1 1/4BSP male iron outlet connection. Brass body. Comes with waste adaptor 1 Â¼ to 1 Â½ BSP & outlet adaptors 1 Â¼ & 1 Â½. Maximum flow rate +/- 37.5 l/min for trap alone, the flow rate is +/- 35.5 l/min. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

ZM-973

Sink Mixer Low Level Spout



LENGTH:	WIDTH:	HEIGHT:	WEIGHT:	VOLUME:
None None	None None	None None	None None	0.0 None



NOTES

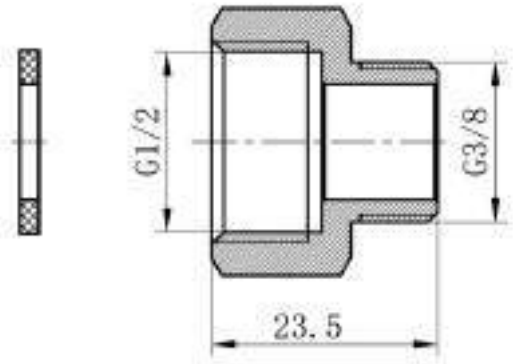
Zambezi pillar type sink mixer low level spout single lever flow rate restricted to 6.2 ltrs/min, g1/2 female connection ends chrome plated Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

C-AV/ADAP1/2F-3/8M

Angle Valve Adaptor



LENGTH:	WIDTH:	HEIGHT:	WEIGHT:	VOLUME:
None None	None None	None None	None None	0.0 None



NOTES

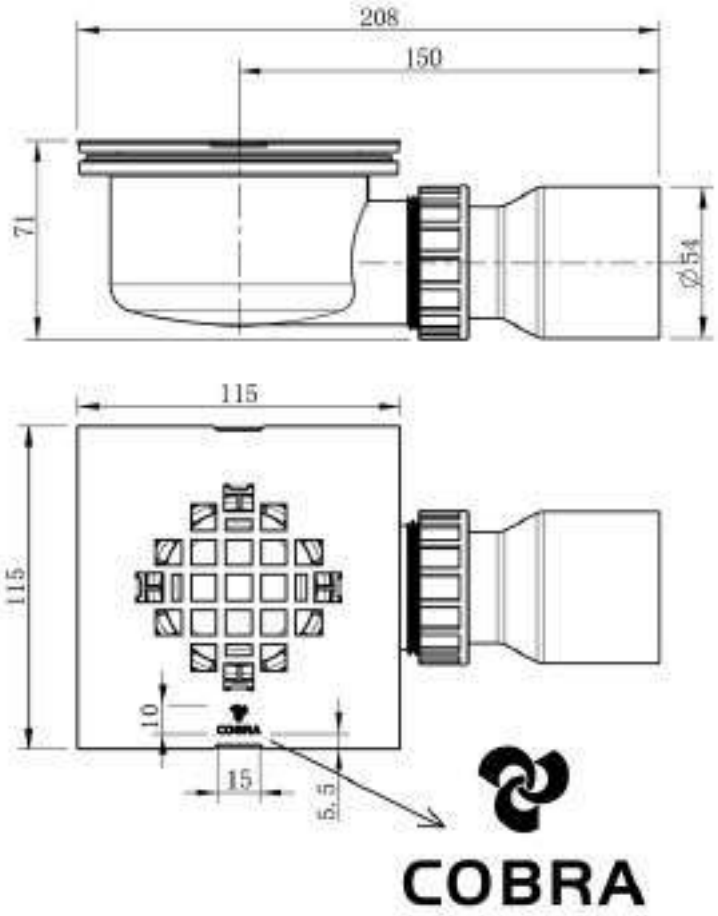
Adaptor allowing for an angle valve with a G1/2 connection to connect to a Cobra single lever basin or sink mixer manufactured with G3/8 flexible connectors. For African installations. Manufactured with Cobra DefenZR durable dezincification-resistant brass. Plated with Cobra PureShine chrome plating for long-lasting shine. Access to Cobra TeamAssist technical team. 20-year warranty.

373SQ/BN

Shower Waste Square



LENGTH:	WIDTH:	HEIGHT:	WEIGHT:	VOLUME:
None None	None None	None None	None None	0.0 None



NOTES

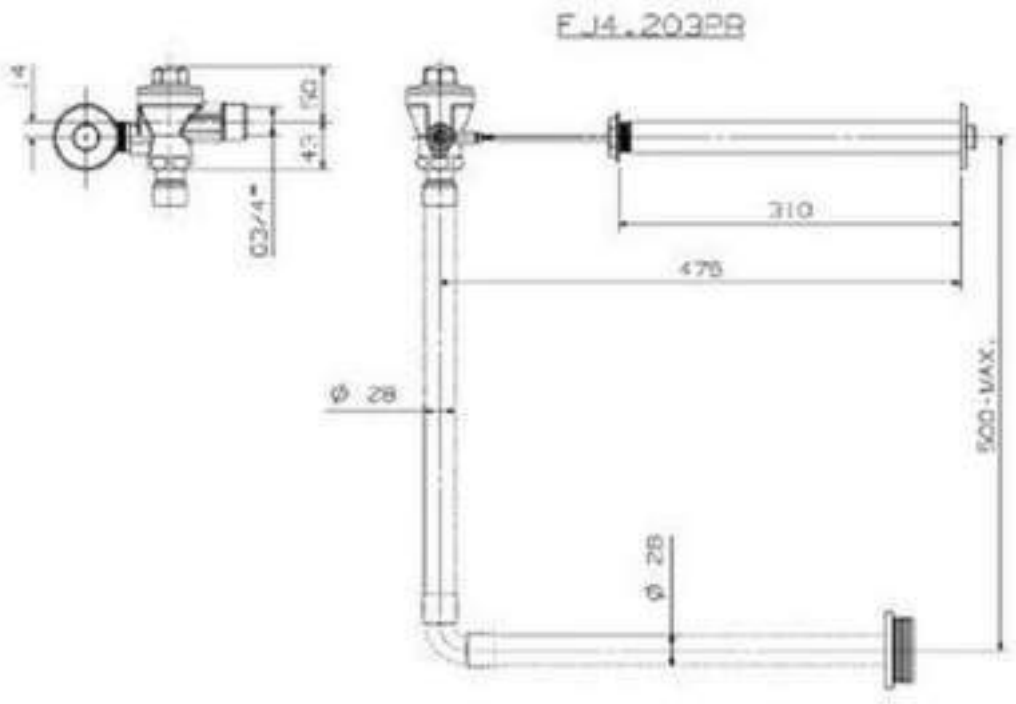
Shower p-trap, stainless steel, . Includes: shallow seal, square brushed nickel-plated 115 X 115mm grid 50mm outlet Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

FJ4-203/N

Toilet Flush Valve



LENGTH:	WIDTH:	HEIGHT:	WEIGHT:	VOLUME:
None None	None None	None None	None None	0.0 None



NOTES

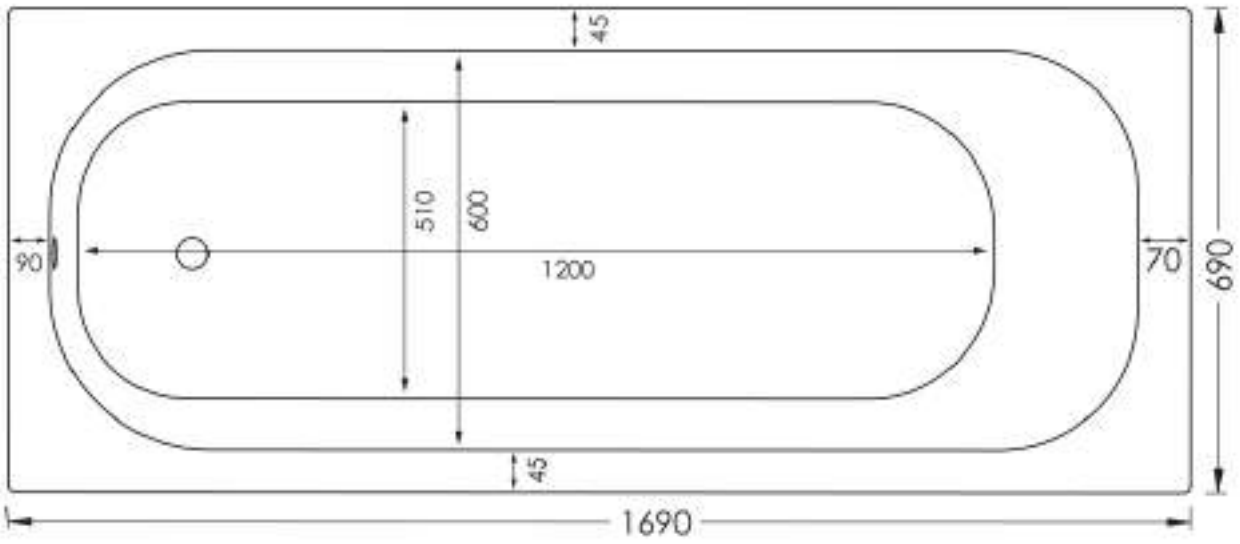
Concealed back entry. Non-hold open feature. With integral vacuum breaker, and 'Ball O Stop control inlet. Straight flushpipe with elbow, 3/4BSP female iron connection end. Recommended optimum design pressures: inlet flow pressure 150 - 500kPa for back entry WC pans: Maximum system pressure 600kPa. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

01-FP-BM001/NV

Bath Built In with handles 1690x690x380



LENGTH:	WIDTH:	HEIGHT:	WEIGHT:	VOLUME:
None None	None None	None None	None None	0.0 None



NOTES

Made from cast acrylic with 3mm chipboard baseboard support. Rectangular, end waste, white. 1690mm X 690mm X 380mm. Without handles. Waste sold separately.

C-15/350

Flexi Connector



LENGTH:	WIDTH:	HEIGHT:	WEIGHT:	VOLUME:
None None	None None	None None	None None	0.0 None



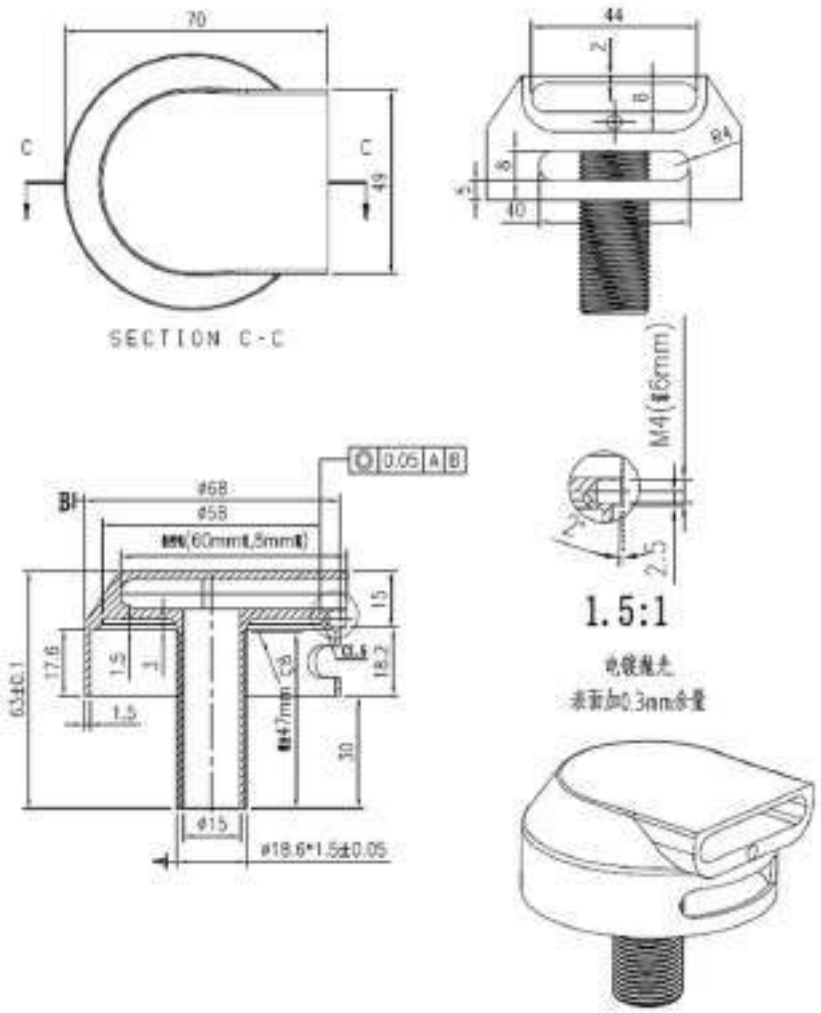
NOTES
Flexible connector, fxf, chrome.

030/N

Bath Filler



LENGTH:	WIDTH:	HEIGHT:	WEIGHT:	VOLUME:
None None	None None	None None	None None	0.0 None



NOTES

Combination bath filler and overflow with integral anti back syphonage prevention. 2 x 1/2BSP female inlets with blanking plug for left hand or right hand entry. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

309-32/N

Anti-theft Plug 32



LENGTH:	WIDTH:	HEIGHT:	WEIGHT:	VOLUME:
None None	None None	None None	None None	0.0 None



NOTES

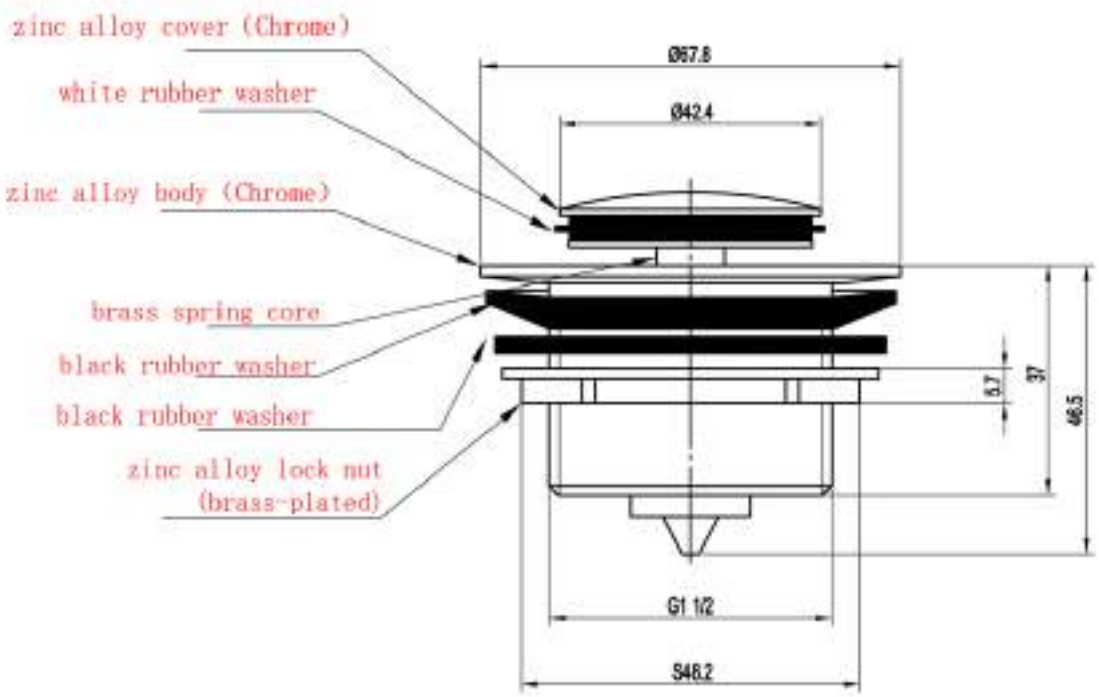
Anti-theft. For 1 1/4 (32mm) wastes with 72mm spindle. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

318-40/NV

Click Bath Waste Noslot 1&1/2 CP



LENGTH:	WIDTH:	HEIGHT:	WEIGHT:	VOLUME:
0.0 mm	0.0 mm	142.0 mm	0.0 None	0.0 None



NOTES

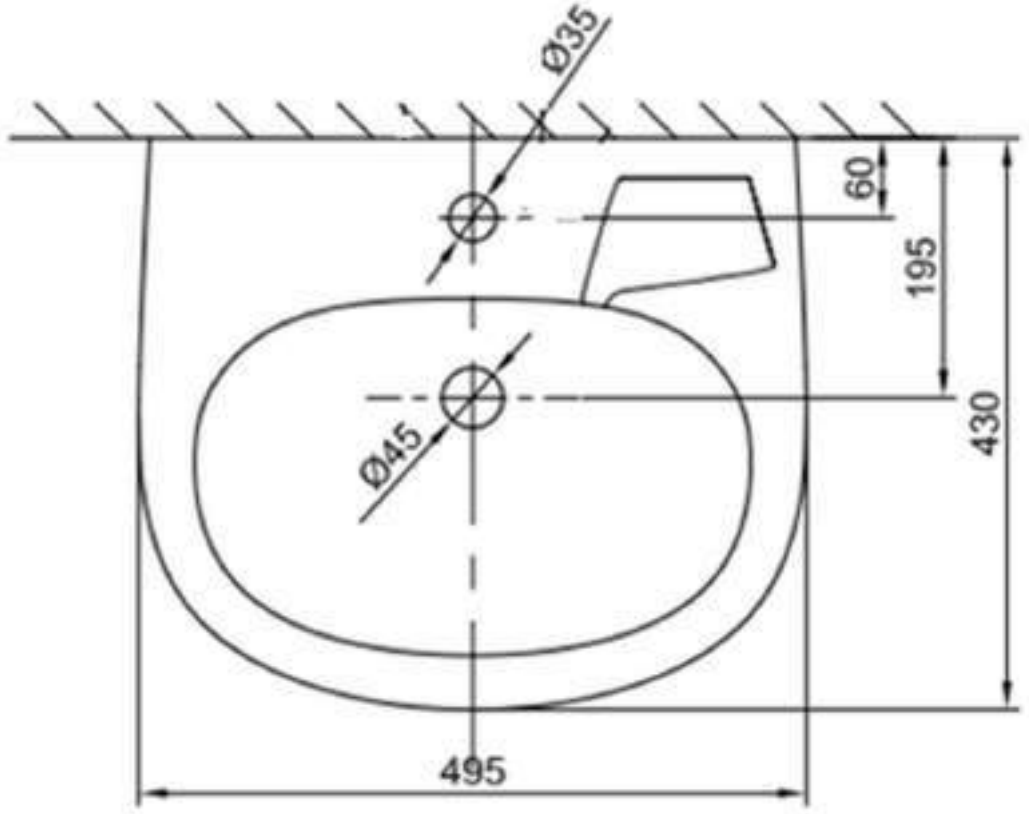
Click type. Unslotted, with integral plug. 40mm long shank. 1 1/2BSP Male iron connection end. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

709300WH

Basin Wall Hung 495X430X190



LENGTH:	WIDTH:	HEIGHT:	WEIGHT:	VOLUME:
None None	None None	None None	None None	0.0 None



NOTES

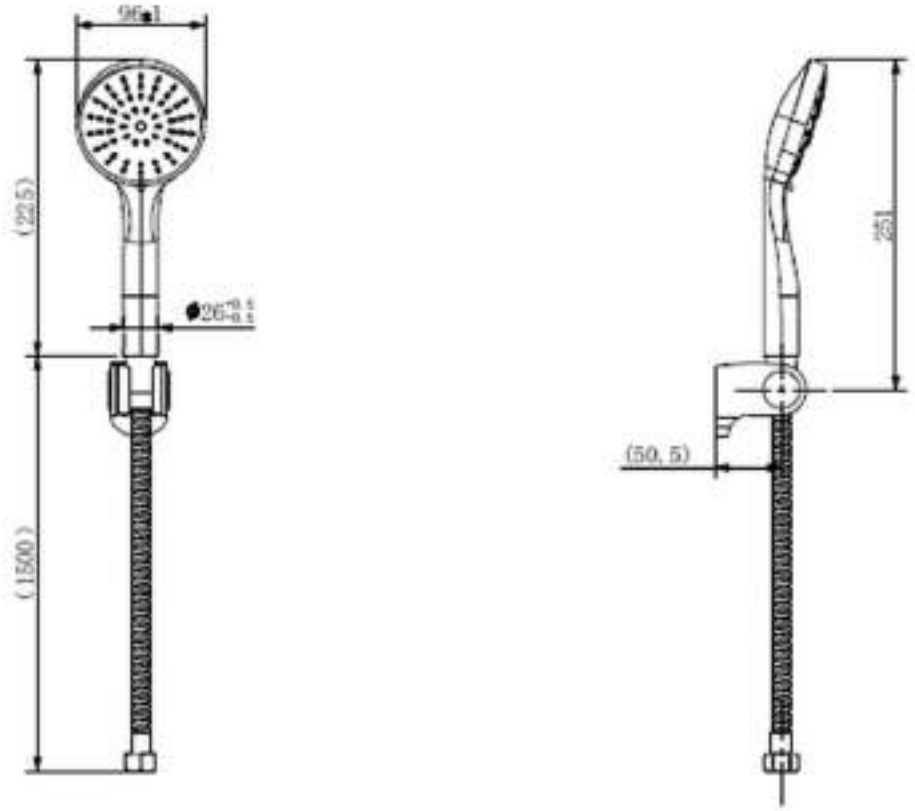
Cobra Shelter Round wall hung basin. 495mm long X 430mm wide. 1 X pre-punched tap hole in the centre of the basin. Overflow, expansion bolts & installation manual included. Compatible with Cobra round full pedestal [CWLPERD1-6DT01] and round semi-pedestal [CWLPERD2-6DT01]. Also compatible with Cobra standard-sized basin mixers.

AP8-ZM

Shower wall outlet



LENGTH:	WIDTH:	HEIGHT:	WEIGHT:	VOLUME:
None None	None None	None None	None None	0.0 None



NOTES

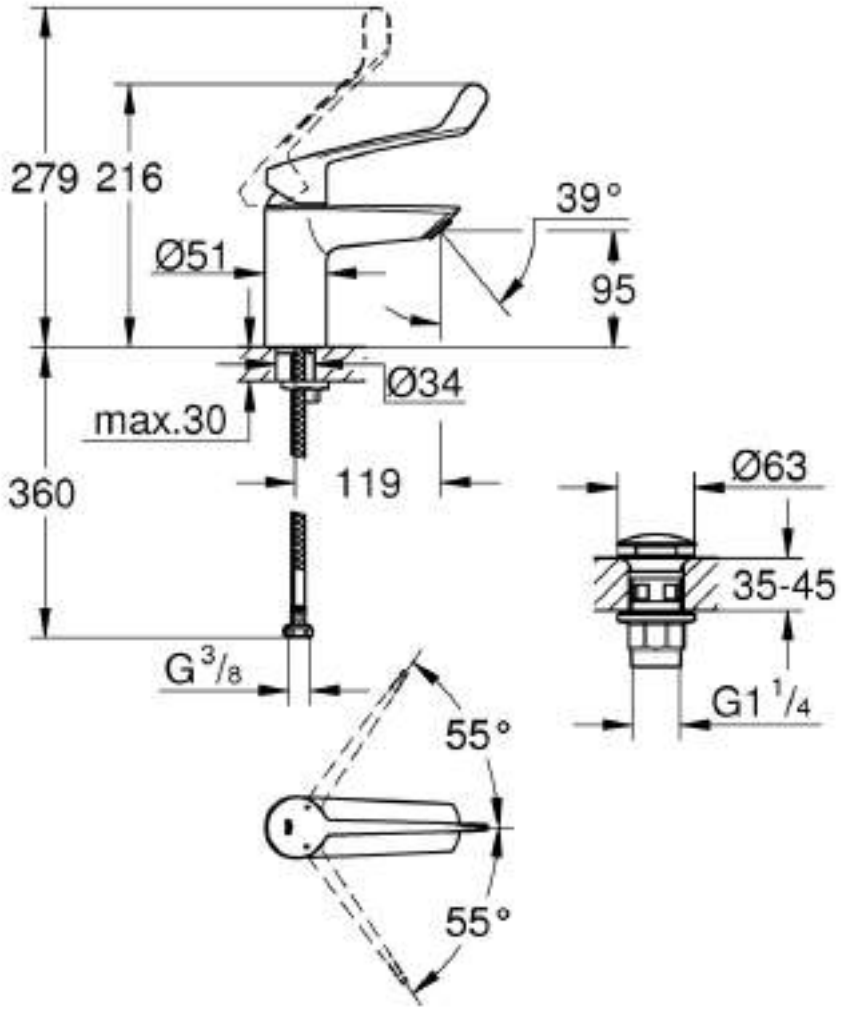
Outlet elbow for hand shower brass G1/2 connection ends chrome. Care & Maintenace - Ensure your product does not come into contact with any lubricants during installation. Chrome plated, matte black and any colour finshes should be wiped with warm soapy water and a soft cloth or sponge. Rinse, then dry and buff with a dry soft cloth. Under no circumstances must any detergents containing hydrochloric acids or abrasives including cream cleansers be used. Do not use abrasive cleaning materials such as scourers. Should your product have an aerator at the water outlet, it should be checked and cleaned regularly.

G-23982003

Single-lever basin mixer 1/2 S-Size



LENGTH:	WIDTH:	HEIGHT:	WEIGHT:	VOLUME:
None None	None None	None None	None None	0.0 None



NOTES

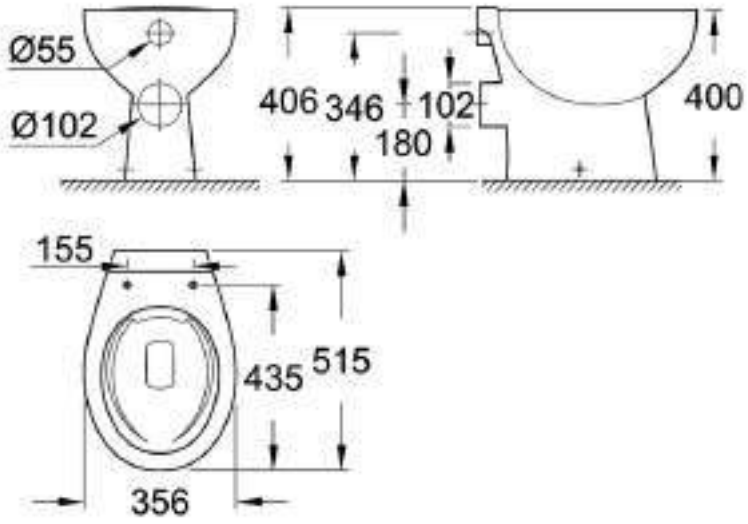
Prioritising ease of use, the water-saving Eurosmart basin mixer has a long lever handle, perfect for health settings of all kinds - monobloc installation, long metal lever, lever length 156 mm, GROHE SilkMove 35 mm ceramic cartridge, maximum flow rate (at 3 bar): 8 l/min, Laminar flow straightener, adjustable flow rate limiter, with temperature limiter, GROHE FastFixation installation system, smooth body with push-open waste set 1 1/4", flexible connection hoses, professional edition

G-39430000

Floor standing WC



LENGTH:	WIDTH:	HEIGHT:	WEIGHT:	VOLUME:
None None	None None	None None	None None	0.0 None



NOTES

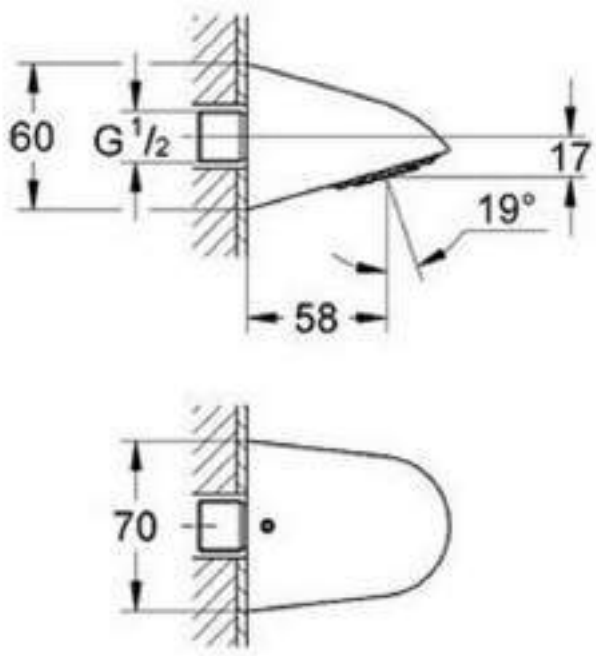
Rimless technology combines with timeless styling in the GROHE Bau Ceramic floor-standing WC - wash down, rimless, horizontal outlet, flush volume 6/3 l, including fixation set, sanitary ware, compatible with seat and cover 39 492 000 (standard), 39 493 000 (soft close) and 39 898 000 (slim seat soft close)

G-28002000

Sports head shower 1 spray



LENGTH:	WIDTH:	HEIGHT:	WEIGHT:	VOLUME:
None None	None None	None None	None None	0.0 None



NOTES

low aerosol emission, heavy, cast model, theft proof, connection thread 1/2", projection 57 mm, flow limiter 9 l/min. and 12 l/min., GROHE DreamSpray perfect spray pattern, GROHE Long-Life finish, SpeedClean anti-limescale system, Inner WaterGuide for a longer life, suicide resistant design, pipe union plug-in for wall connection

Terms and Conditions

LIXIL AFRICA QUOTE VALIDITY:

1. Quotes will be valid for 30 days unless where prior provision has been made to extend this beyond the 30-day term period
2. The discount given is based on the quantity and item code quoted, should the Purchase Order not match the quantity in the quotation, we reserve the right to re-quote.
3. All returns will be subject to a 20% handling fee

LIXIL AFRICA PRODUCT WARRANTY:

Please follow this link for the LIXIL Africa Warranty:-

www.cobra.co.za/warranty

Water-on-Demand

WIRELESS INFRARED SENSOR(S) & RECEIVER FOR AT201

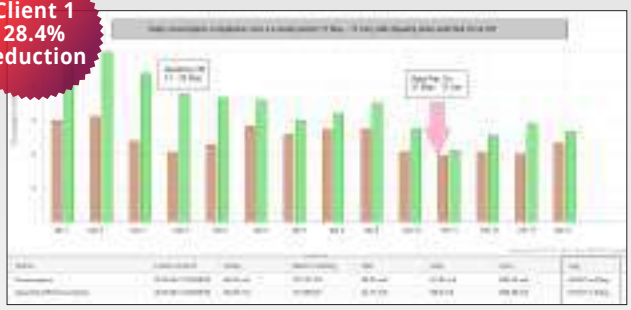
The system is designed to switch an Aquatrip AT201 device on & off wirelessly and provide water-on-demand for an immediate reduction in water consumption

- An Aquatrip is plumbed into a bathroom
- The wireless sensor detects the presence of a person
- The sensor communicates wirelessly with the receiver
- The Aquatrip then provides water-on-demand (if it had switched the water off for a leak)
- Each sensor is battery powered making installation & placement exceptionally simple
- Multiple sensors can link to one Aquatrip unit
- One sensor can link to multiple Aquatrip units

For use in commercial buildings, schools, municipal buildings, restaurants & shopping malls.

Client 1
28.4% reduction

Commercial building in Rosebank.



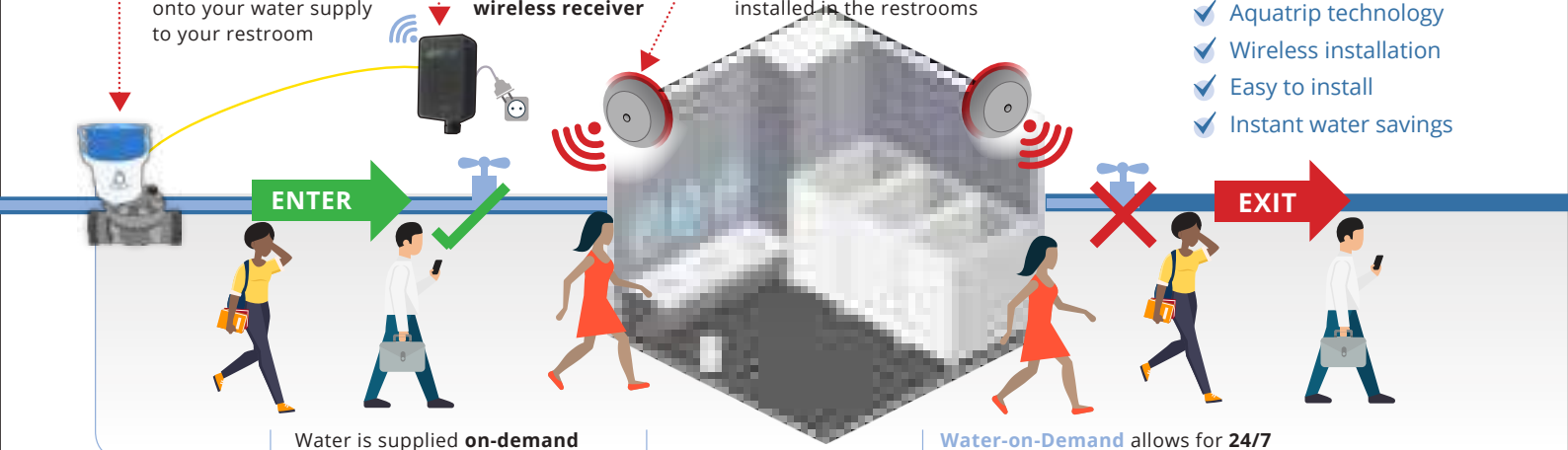
Client 2
26.1% reduction

Commercial building in Sandton.



An **innovative** solution to reducing water use in restrooms

1. We plumb an **Aquatrip leak detection unit** onto your water supply to your restroom
2. We connect the **Aquatrip to a wireless receiver**
3. One or more **wireless infrared sensors** are installed in the restrooms



Water-on-Demand

- Aquatrip technology
- Wireless installation
- Easy to install
- Instant water savings

Water is supplied **on-demand** when a sensor detects movement.

Water-on-Demand allows for **24/7 protection** against leaks and water loss.

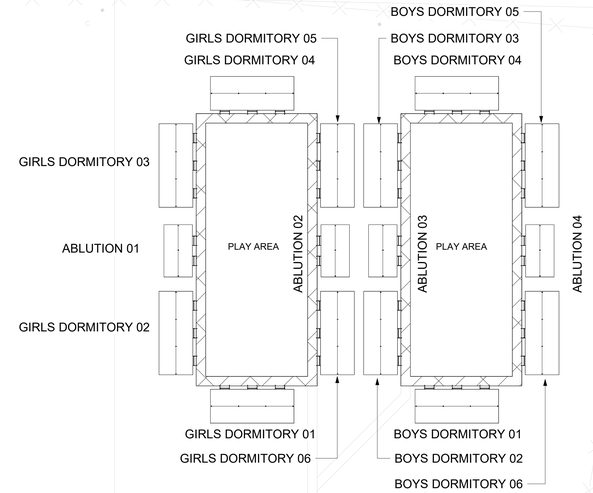
Access *instant* savings with water-on-demand

Wireless infrared sensor	Wireless Receiver	Aquatrip AT201
• Detection method: Passive Infrared, motion sensitive • Detection range: 5m • Power source: 3*AAA alkaline cells • Dimensions (ceiling mount): 110mm (L) 110mm (W) 42mm (H) • Dimensions (wall mount): 110mm (L) 110mm (W) 66mm (H) • Transmission frequency: 868MHz ISM band • Battery Current consumption: (sensing, no transmission) <30uA • Channel settings: 64 channels available	• Power source: 9-30VDC polarity protected • Overall size: 115mm (L) 60mm (W) 23mm (H) • Reception frequency: 868MHz ISM band • Current consumption: <100mA • Channel settings: 64 channels available	• Battery operated, programmable leak detection device • Dimensions: 840mm (L) x 770mm (W) x 179mm (H) • Supplied with 25mm PVC valve • Operating pressure: 150PSI • Operating temperature: 0˚C - 50˚C • Flow sensing from 50ml/min • Power supply 9v alkaline battery

MOTHEO CONSTRUCTION GROUP

Motheo: (+27) 11 789 8440
www.motheogroup.co.za

Aquatrip: (+27) 21 511 6948
www.aquatrip.co.za



KITCHEN
2 x CONTAINER

2 x CLASSROOMS

1 SITE LAYOUT
1 : 250

COMPANY NAME		PROJECT	
STRUCT. ENGINEER		EMPLOYER	
PROF. REG No.		CONTRACTOR	
APPROVED BY		FILE CODE	
APPROVED DATE		No. OF CLASSROOMS	

JTCabins
The smart way.

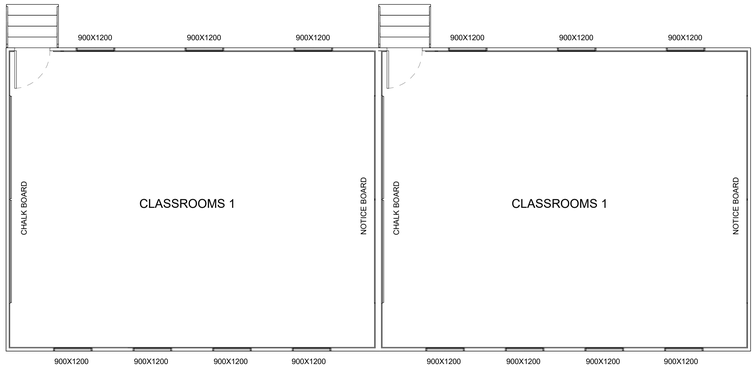
CLIENT
Reuben Birin

PROJECT NUMBER. **0001**

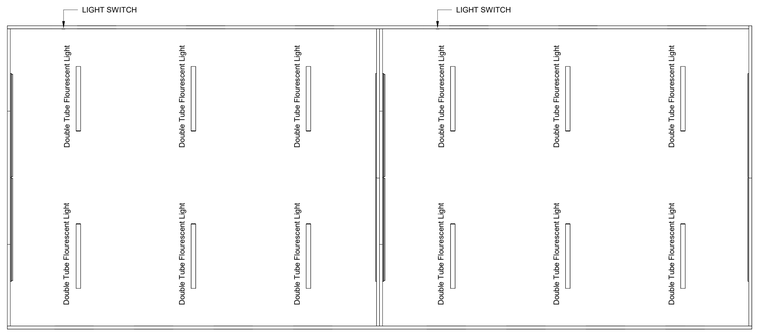
SIZE : A0 | SCALE : **1 : 250** | Sheet

DRAWING TITLE
SITE LAYOUT

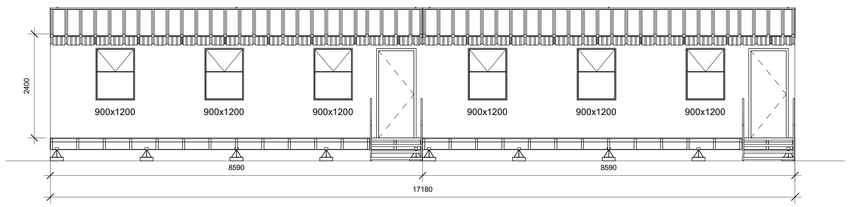
DRAWING No.
JTC-D-001



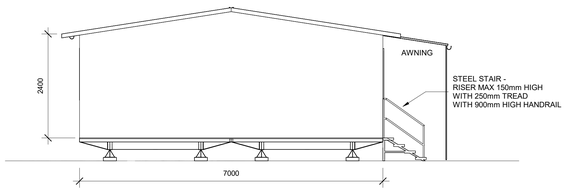
1 CLASSROOM CONFIGURATION
1 : 50



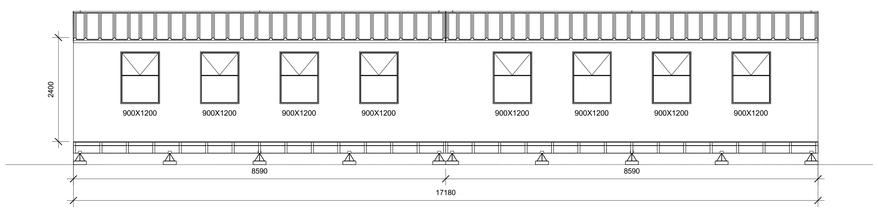
2 CLASSROOM - LIGHTING PLAN
1 : 50



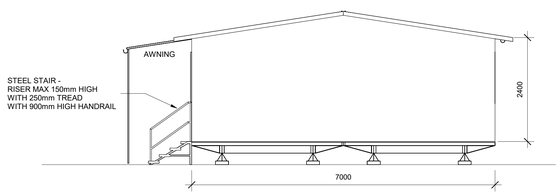
N NORTH ELEVATION
1 : 50



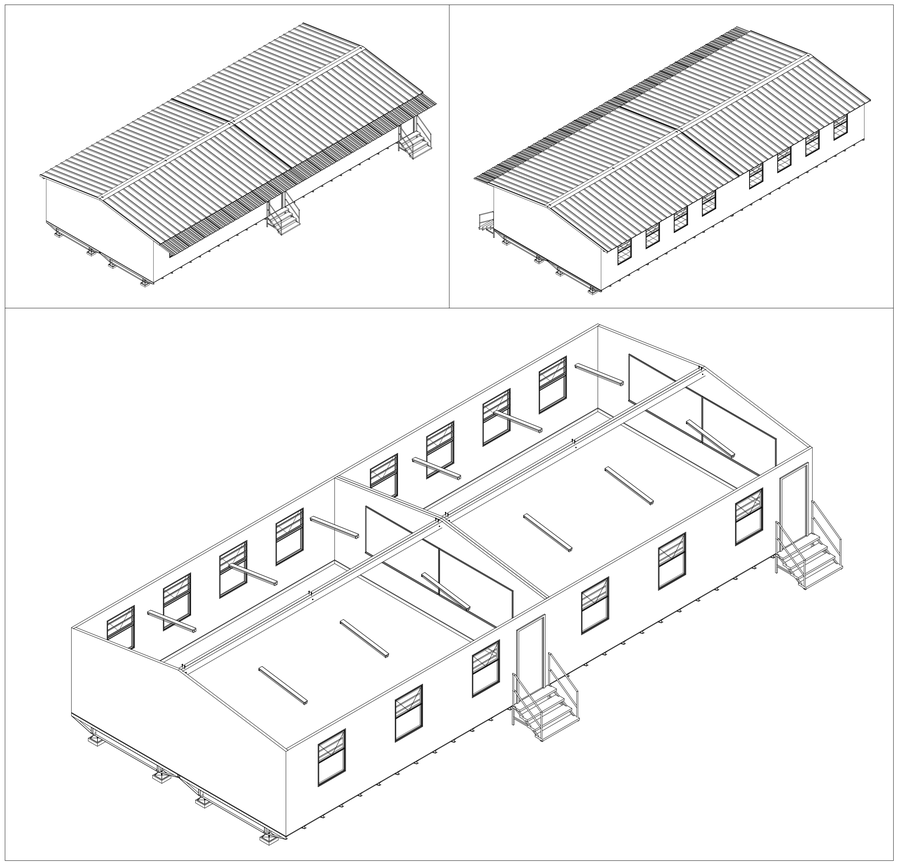
E EAST ELEVATION
1 : 50



S SOUTH ELEVATION
1 : 50



W WEST ELEVATION
1 : 50



COMPANY NAME		PROJECT	
STRUCT. ENGINEER		EMPLOYER	
PROF. REG No.		CONTRACTOR	
APPROVED BY		FILE CODE	
APPROVED DATE		No. OF CLASSROOMS	

JTCabins
The smart way.

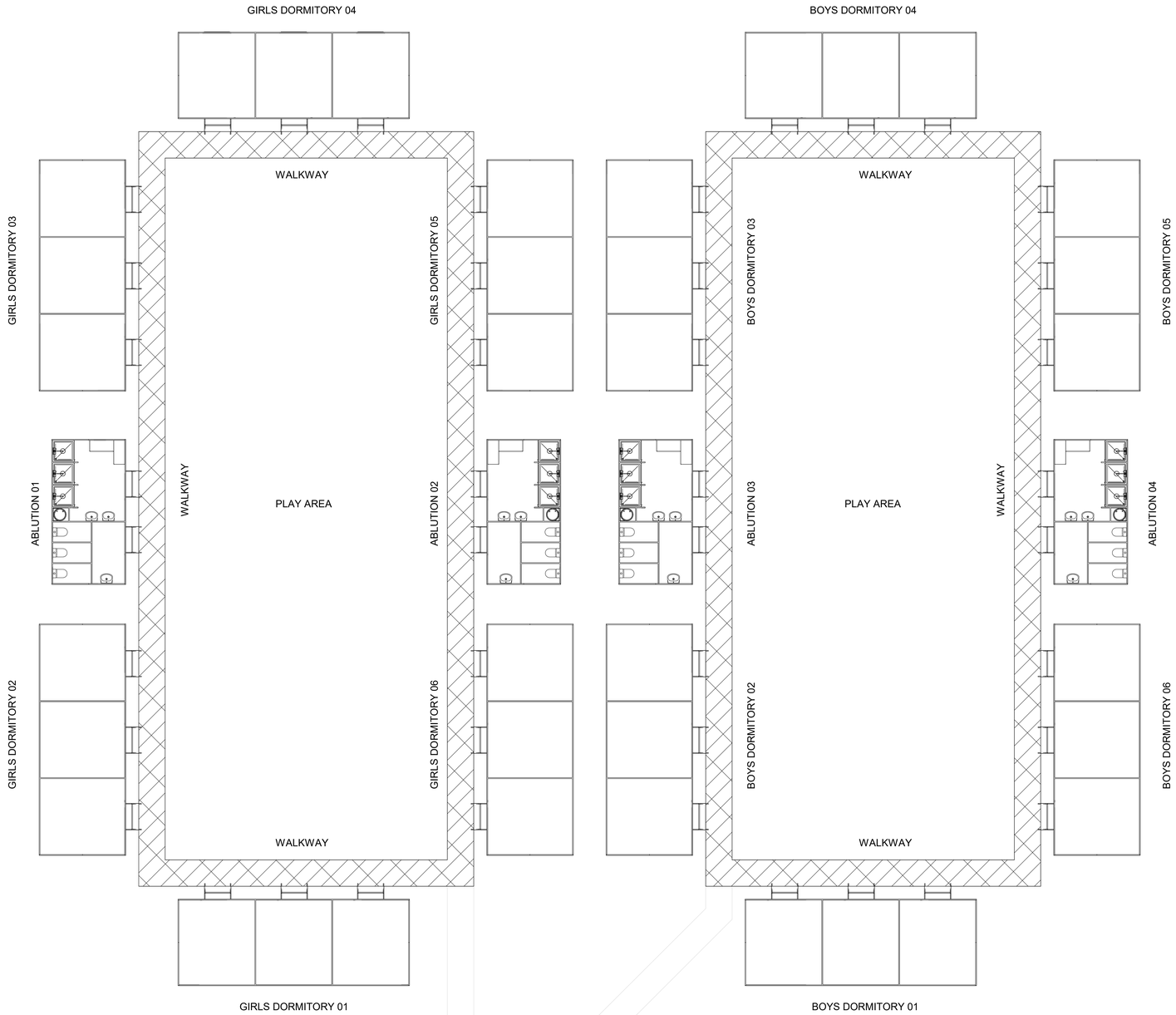
CLIENT
Reuben Birin

PROJECT NUMBER. **0001**

SIZE : A0 | SCALE : **1 : 50** | Sheet

DRAWING TITLE
2 x CLASSROOM CONFIGURATION LAYOUT

DRAWING No.
JTC-D-002



1 DORMITORY AND ABLUTIONS
1 : 75

COMPANY NAME		PROJECT	
STRUCT. ENGINEER		EMPLOYER	
PROF. REG No.		CONTRACTOR	
APPROVED BY		FILE CODE	
APPROVED DATE		No. OF CLASSROOMS	

JTCabins
The smart way.

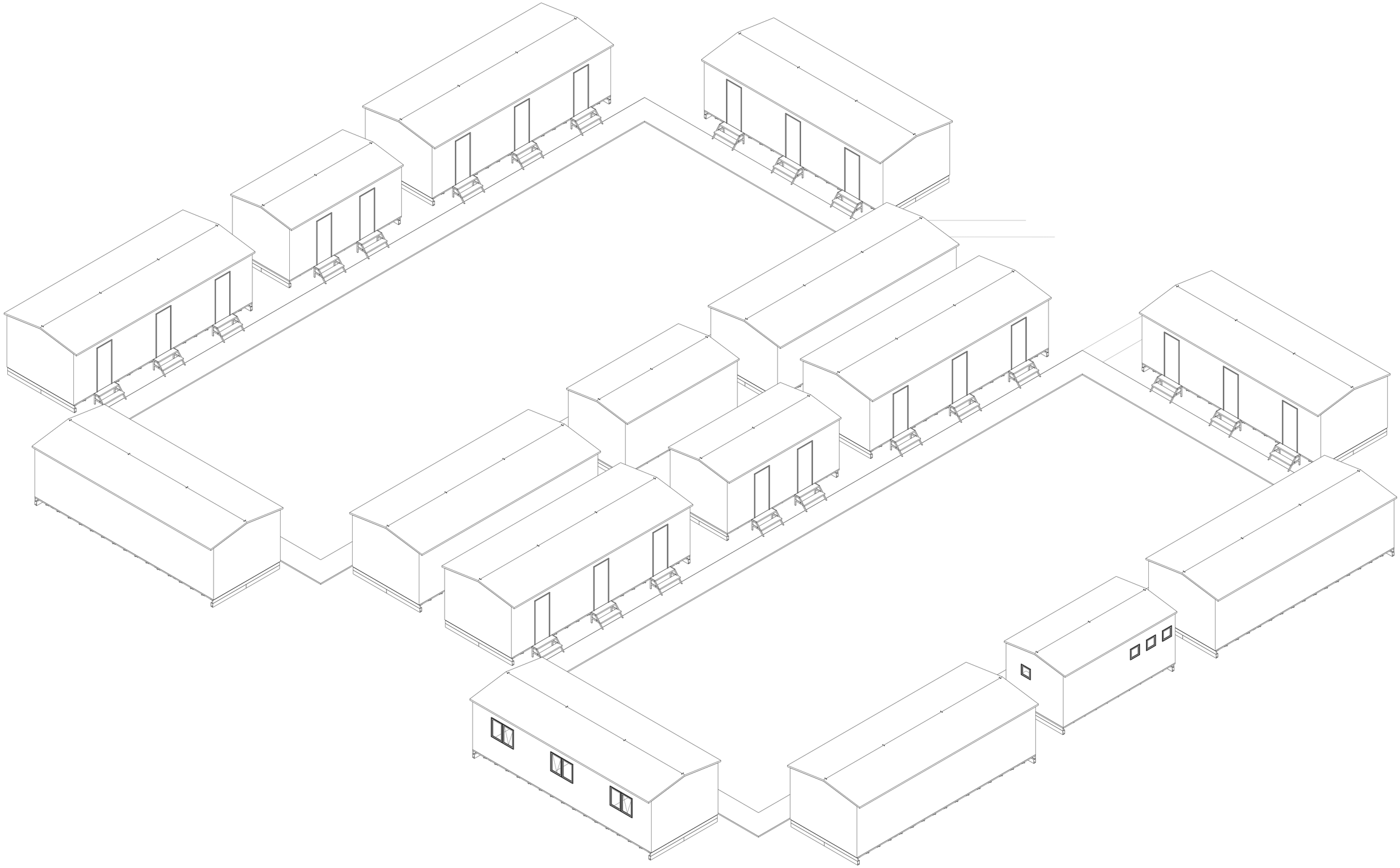
CLIENT
Reuben Birin

PROJECT NUMBER. **0001**

SIZE : A0 | SCALE : **1 : 75** | Sheet

DRAWING TITLE
DORMITORY & ABLUTIONS SITE LAYOUT

DRAWING No.
JTC-D-003



1 DORMITORY & ABLUTIONS ISOMETRIC

COMPANY NAME		PROJECT	
STRUCT. ENGINEER		EMPLOYER	
PROF. REG No.		CONTRACTOR	
APPROVED BY		FILE CODE	
APPROVED DATE		No. OF CLASSROOMS	

JTCabins
The smart way.

CLIENT
Reuben Birin

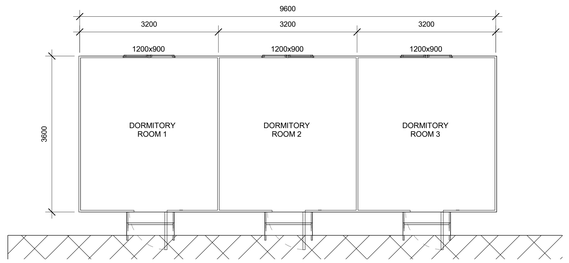
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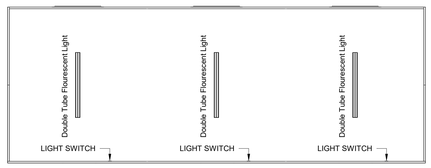
DRAWING TITLE
DORMITORY & ABLUTIONS ISOMETRIC LAYOUT

DRAWING No.
JTC-D-004

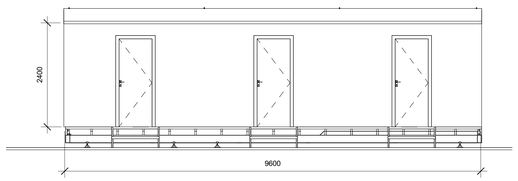
GIRLS DORMITORY 04



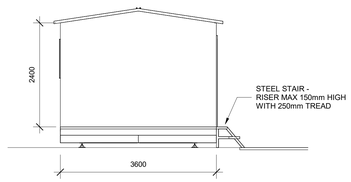
1 DORMITORY CONFIGURATION
1 : 50



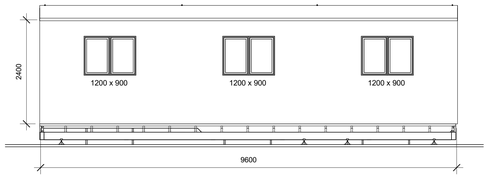
2 DORMITORY - LIGHTING PLAN
1 : 50



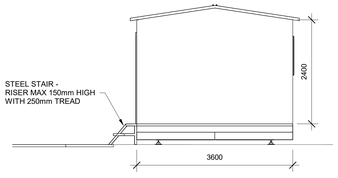
S SOUTH ELEVATION - D
1 : 50



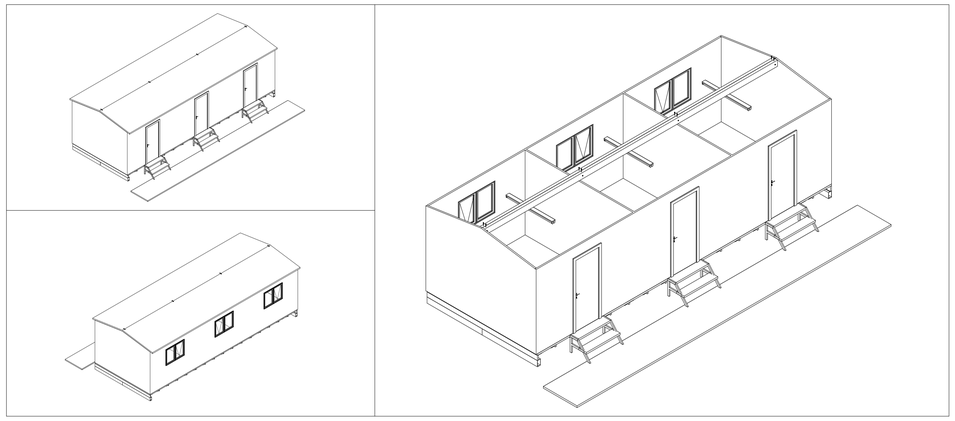
W WEST ELEVATION - D
1 : 50

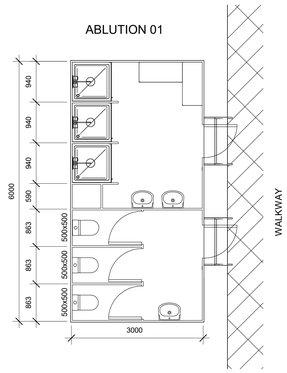


N NORTH ELEVATION - D
1 : 50

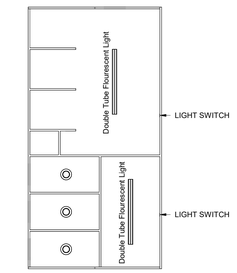


E EAST ELEVATION - D
1 : 50

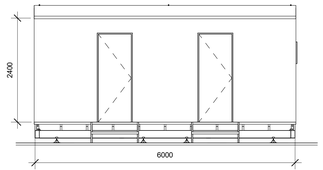




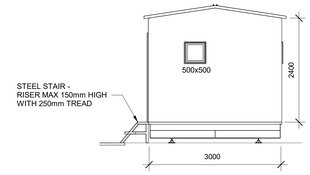
3 ABLUTIONS CONFIGURATION
1 : 50



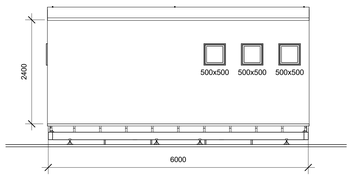
4 ABLUTIONS - LIGHTING PLAN
1 : 50



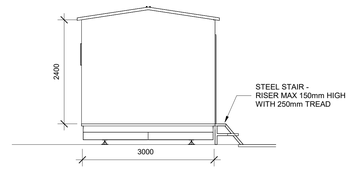
E. EAST ELEVATION - A
1 : 50



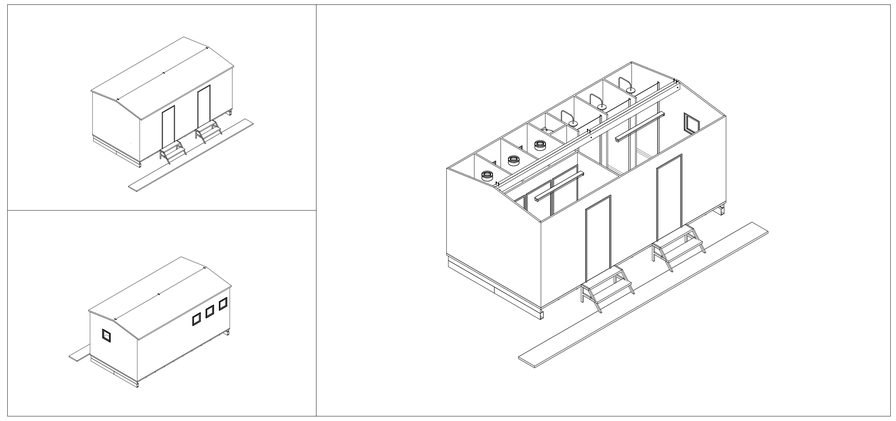
N. NORTH ELEVATION - A
1 : 50



W. WEST ELEVATION - A
1 : 50



S. SOUTH ELEVATION - A
1 : 50



	Name & Signature	Rev	Date	Description
Design by				
Drawn by				
Checked by				
Date				

Notes

JTCabins
The smart way.

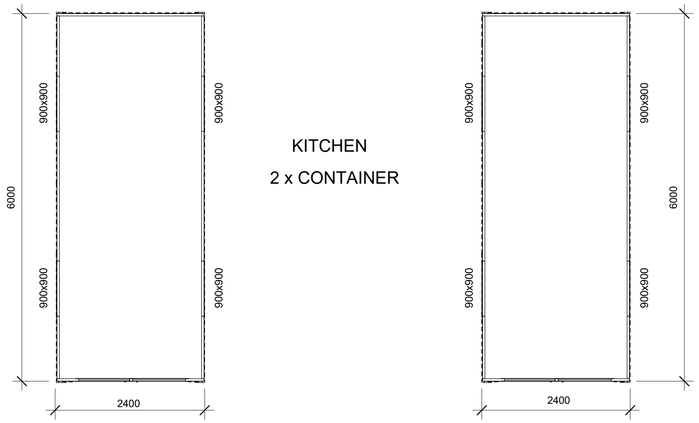
CLIENT
Reuben Birin

PROJECT NUMBER. **0001**

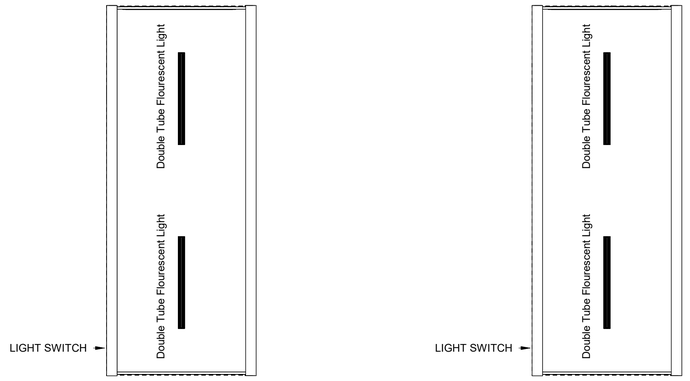
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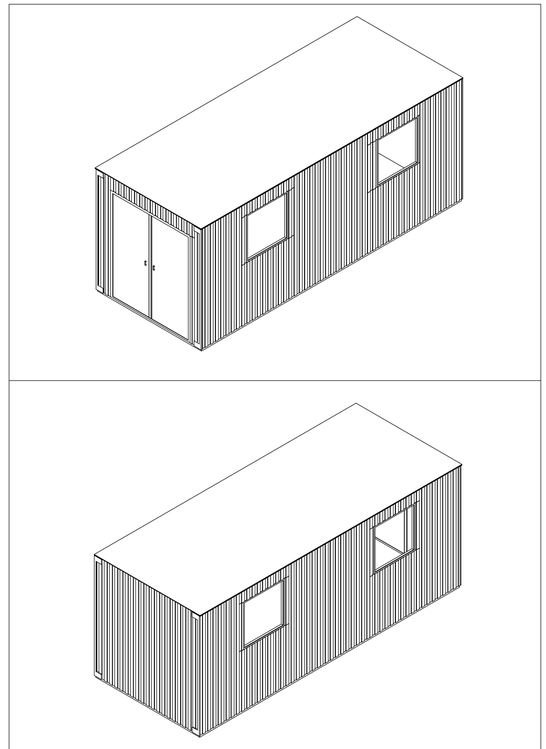
DRAWING TITLE
DORMITORY & ABLUTIONS CONFIGURATION LAYOUT

DRAWING No.
JTC-D-005



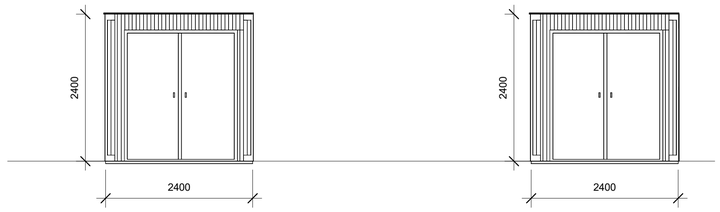
KITCHEN
2 x CONTAINER



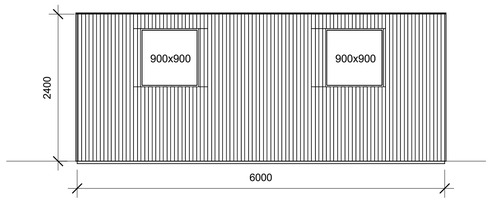


1 KITHEN PLAN
1 : 50

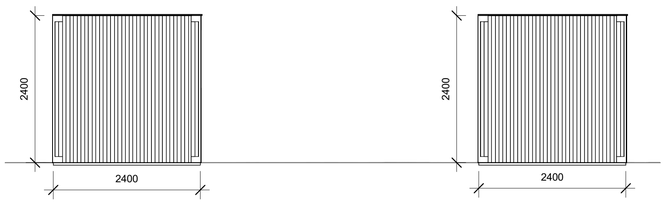
2 KITCHEN - LIGHTING PLAN
1 : 50



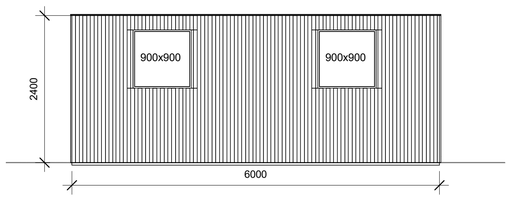
S SOUTH ELEVATION.
1 : 50



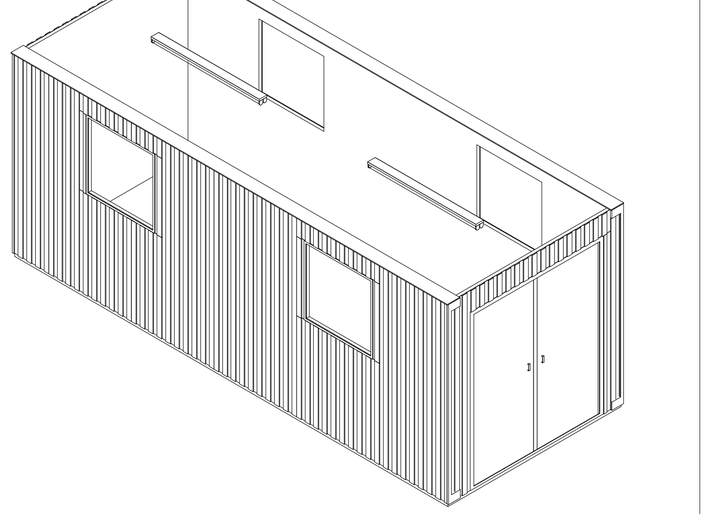
E EAST ELEVATION.
1 : 50



N NORTH ELEVATION.
1 : 50



5 WEST ELEVATION.
1 : 50



	Name & Signature	Rev	Name	Date	Description	Notes
Drawn by						
Checked by						
Date						

JTCabins
The smart way.

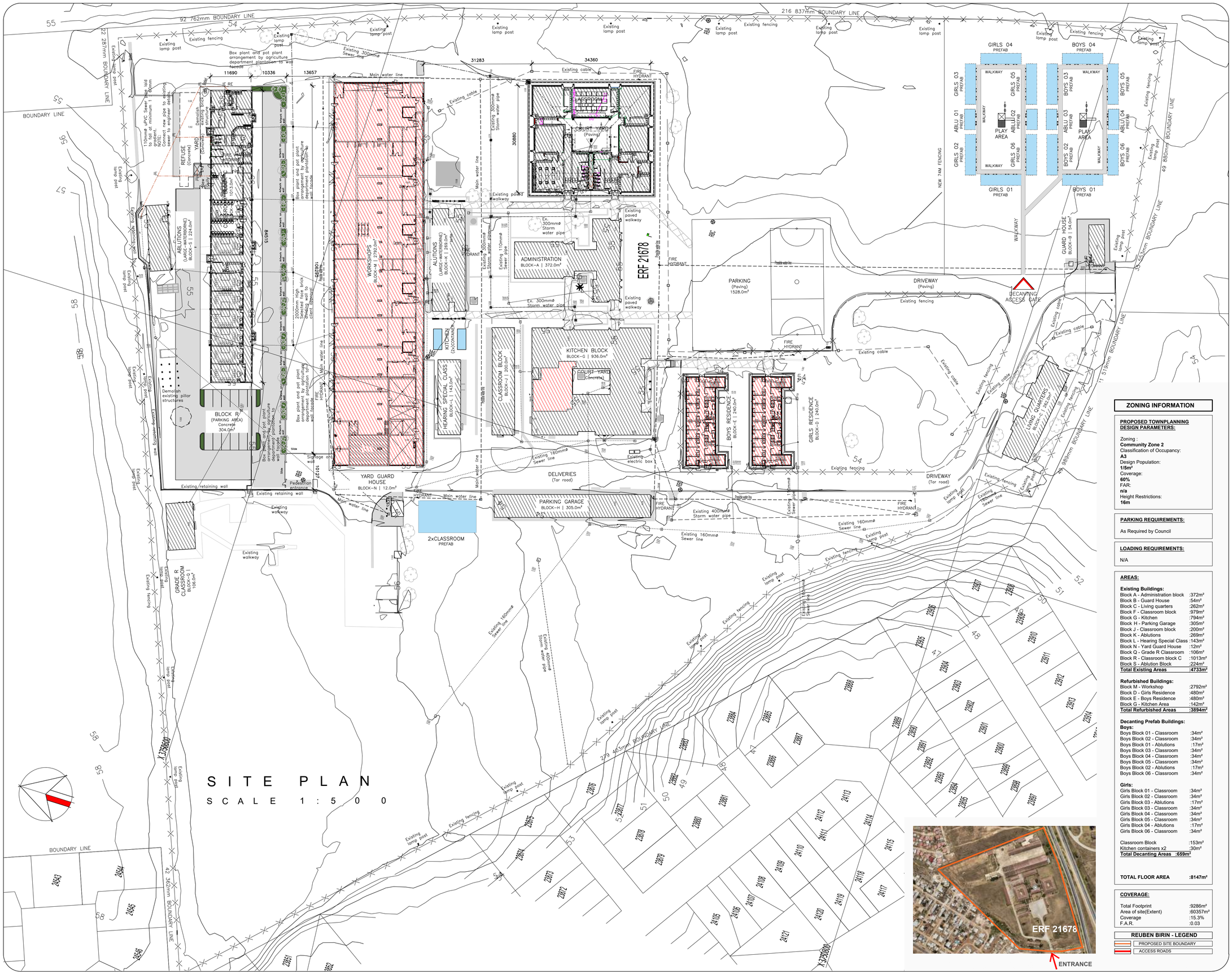
CLIENT
Reuben Birin

PROJECT NUMBER. **0001**

SIZE : A1 | SCALE : **1 : 50** | Sheet

DRAWING TITLE
CONTAINER KITCHEN CONVERSION LAYOUT

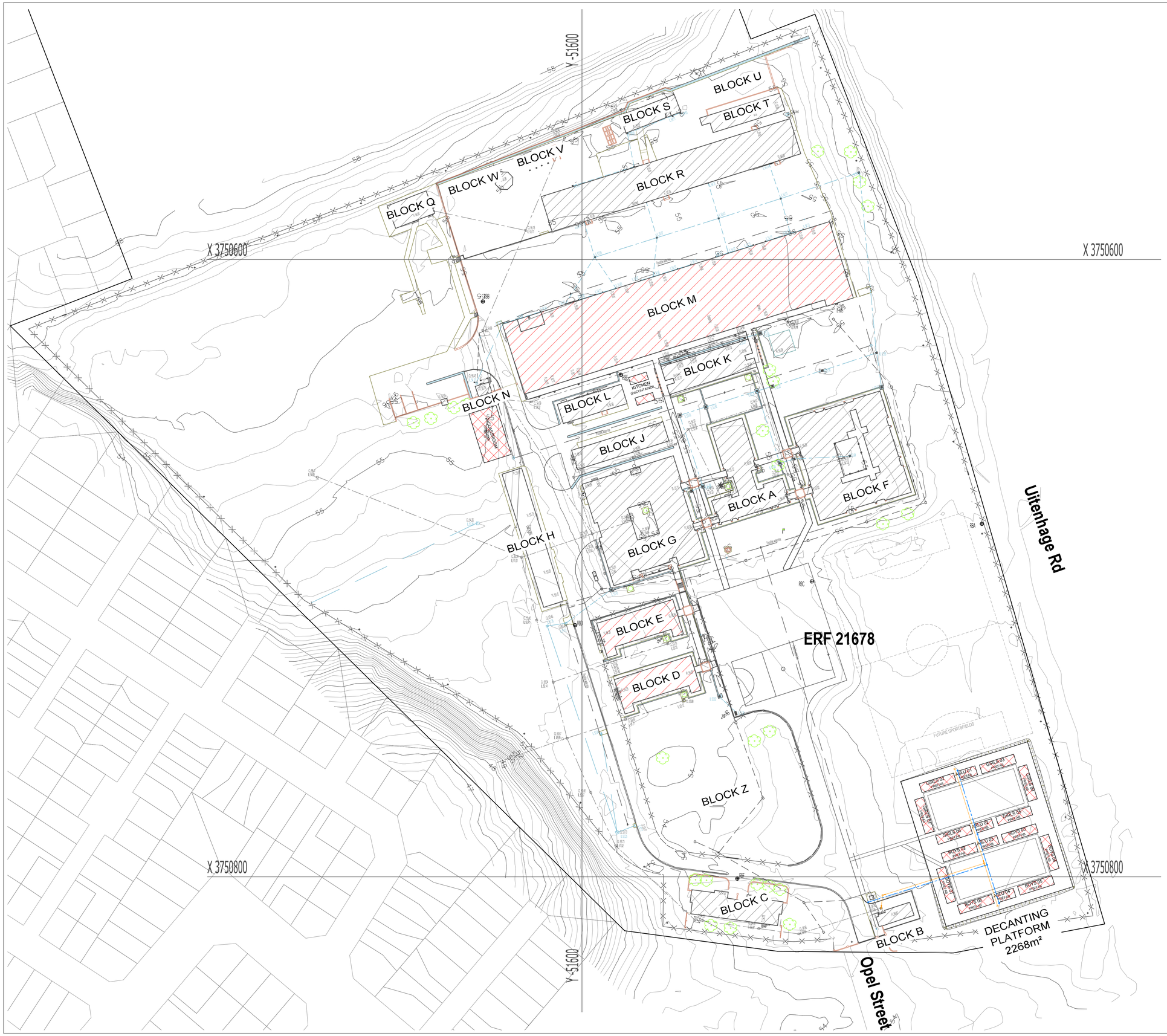
DRAWING No.
JTC-D-006


SITE PLAN
SCALE 1:500
ERF 21678
92 762mm BOUNDARY LINE
216 837mm BOUNDARY LINE
279 407mm BOUNDARY LINE
42 362mm BOUNDARY LINE
49 880mm BOUNDARY LINE
35 557mm BOUNDARY LINE
1 519mm BOUNDARY LINE
98mm BOUNDARY LINE
22 287mm BOUNDARY LINE
BOUNDARY LINE
ADMINISTRATION BLOCK–A | 372.0m²
WORKSHOPS BLOCK–M | 2792.0m²
ABLUTIONS (LARGE–WATERBORNE) BLOCK–K | 268.0m²
ABLUTIONS (LARGE–WATERBORNE) BLOCK–L | 143.0m²
KITCHEN BLOCK BLOCK–G | 936.0m²
COURT YARD (Concrete)
COURT YARD (Paving)
CLASSROOM BLOCK BLOCK–J | 200.0m²
HEARING SPECIAL CLASS BLOCK–L | 143.0m²
BOYS RESIDENCE BLOCK–E | 240.0m²
GIRLS RESIDENCE BLOCK–G | 240.0m²
LIVING QUARTERS BLOCK–C | 480.0m²
GUARD HOUSE BLOCK–B | 54.0m²
PARKING GARAGE BLOCK–H | 305.0m²
YARD GUARD HOUSE BLOCK–N | 12.0m²
BLOCK R (PARKING AREA) Concrete 304.0m²
GRADE R CLASSROOM BLOCK–Q | 106.0m²
2xCLASSROOM PREFAB
REFUSE (Concrete) YARD
PARKING (Paving) 1528.0m²
DRIVEWAY (Paving)
DRIVEWAY (Tar road)
DELIVERIES (Tar road)
DECANTING ACCESS GATE
NEW 74M FENCING
WALKWAY
GIRLS 01 PREFAB
GIRLS 02 PREFAB
GIRLS 03 PREFAB
GIRLS 04 PREFAB
GIRLS 05 PREFAB
GIRLS 06 PREFAB
BOYS 01 PREFAB
BOYS 02 PREFAB
BOYS 03 PREFAB
BOYS 04 PREFAB
BOYS 05 PREFAB
BOYS 06 PREFAB
ABLU 01 PREFAB
ABLU 02 PREFAB
ABLU 03 PREFAB
ABLU 04 PREFAB
PLAY AREA
Main water line
Existing cable
Existing fencing
Existing lamp post
Existing paved walkway
Existing 300mmø Storm water pipe
Existing 110mmø Sewer pipe
Existing 160mmø Sewer line
Existing 400mmø Storm water pipe
Existing electric box
Signage on wall
Pedestrian entrance
Existing retaining wall
Existing walkway
Demolish existing pillar structures
Demolish existing brick wall
110mmø uPVC Sewer line laid to fall at minimum 1.00% gradient.
Connect new pipe to existing sewer to engineer's detail
2400mm high brick screen wall to client approval
Box plant and pot plant arrangement by agriculture department plantation to wall facade
FIRE HYDRANT
Existing 160mmø Sewer line
Existing 400mmø Storm water pipe
Existing 300mmø Storm water pipe
Ex. 300mmø Storm water pipe
Ex. 110mmø Sewer pipe
Existing 160mmø Sewer line
Existing 110mmø Sewer pipe
Existing 160mmø Sewer line
Existing 160mmø Sewer line
Existing 400mmø Storm water pipe
Existing 160mmø Sewer line
Existing 160mmø Sewer line
Existing 160mmø Sewer line

No.	*Description*	*Qty*		
	Shipping Steel Container Conversion to Kitchen 2,4m x 6,0m			
1	Remove rust prime & Paint Steel container	1		
2	Cut opening for Door and use same material to manufacture steel door	1		
3	Cut openings & manufacture Serving Hatch 800 x 1800mm	1		
4	Cut openings for windows 900 x 900mm	2		
5	Manufacture steel frame for windows	2		
6	Istall aluminium windows with burgular bars	2		
7	Rubberized flooring 2,4 x 6m	1		
8	Insulate internal wall & ceiling with 40mm Insulated Stainless Steel panels	19		
9	Install galvainzed Extractor Canpoy 700mm x 2400mm	1		
10	Install 3 Burner Stove (Galvanized) 600mm x 1800mm	1		
11	Install serving counter with shelving 600 x 2400mm	1		
12	Install Stainless Double bowl pot sink 600 x 1800mm with Tap	1		
13	Stainless steel pre- tables 600 x 1700mm	2		
14	Galvanized Gas Cyclinder Cage 450mm x 450 x 1500mm (48kg)	1		
15	48kg LPG Gas	1		
16	Fire Extinguisher 4,5kg with backing board & Signage	1		
17	8 Way DB, 3 X Plug Points, 2 x 4ft Flouresant , 1 x 2lever Light switch	1		
No.	*Description*	*Qty*		
	Modular Units - Dormitory Boys & Girls 3,6m x 9,6m			
1	12Way DB	1		
2	4ft Double Channel Flouresant Fittings with LED tubes	3		
3	2 Lever Switch	3		
4	2ft Weather Proof Flouresant	3		
5	Double Plug Socket complete	6		
6	3 Tier Steps	3		
No.	*Description*	*Qty*		
	Modular - Girls Ablutions 3m x 6m			
1	W.C Suite comprising washdown pan with P-Trap , heavy duty plastic	3		
	Double flap seat, 6 litre cistern with lid and fitments.			
2	Basin size 510 x 430mm overal and fixed to wall	3		
3	Shower doors	3		
4	Shower trays	3		
5	Shower Head & Mixer	3		
6	Towel Rail	1		
7	150lt Geyser	1		
8	Toilet roll holders	3		
9	12lt Sanitary bin	3		
10	Electrical works - Internal	1		
11	Plumbing works - internal	1		
12	3 Tier Steps	1		

No.	*Description*	*Qty*		
	Modular Units - Boys Ablutions 3 x 6m			
1	W.C Suite comprising washdown pan with P-Trap , heavy duty plastic	3		
	Double flap seat, 6 litre cistern with lid and fitments.			
2	Basin size 510 x 430mm overal and fixed to wall with tap	3		
3	Shower doors	3		
4	Shower trays	3		
5	Shower Head & Mixer	3		
6	Towel Rail	3		
7	150lt Geyser	1		
8	Electrical works - Internal	1		
9	Plumbing works - internal	1		
10	3 Tier Steps	1		
No.	*Description*	*Qty*		
	Modular Units - 2 Classroom Block With Veranda 7m x 17,180m			
1	12Way DB	1		
2	4ft Double Channel Flouresant Fittings with LED tubes	12		
3	2 Lever Switch	2		
4	2ft Weather Proof Flouresant	2		
5	Double Plug Socket complete	8		
6	Chalkboard or White Boards 1200 x 2400mm	4		
7	Pin Board 1200 x2400mm	4		
8	Galvanized Security Gate	2		
9	Fire Extinguishers 4,5kg with backing board & Signage	2		
10	3 Tier Steps	2		
11	3 Tier Steps	2		

CIVIL AND STRUCTURAL



LEGEND

- Building
- Electricity box
- Fire hydrant
- Gate
- Grate
- Gully
- Lamp post
- C Manhole cable
- S Manhole sewer
- M Manhole stormwater
- V Mnahole valve
- Monument
- Netbal court
- Park home
- Paving
- Pillar
- Rodding eye
- Sewer pipe
- Tank
- Cable
- Concrete channel
- Fence
- Kerb
- Main water line
- Slab
- Steps
- Tar
- 100mm pipe
- 200mm pipe
- 300mm pipe
- 400mm pipe
- 110mm sewer
- 160mm sewer

GENERAL NOTES

1. ALL WORK TO BE EXECUTED IN STRICT COMPLIANCE WITH SABS 10400 and SANS 2001.
2. ALL LOADS IN ACCORDANCE WITH SANS 10160 PERMISSIBLE SUPERIMPOSED LOADS.
3. ALL DIMENSIONS TO BE CHECKED ON THE SITE AND ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER IMMEDIATELY BEFORE COMMENCING WITH ANY WORK.
4. WRITTEN DIMENSIONS TO BE USED IN PREFERENCE TO SCALED DIMENSIONS.
5. DRAWINGS MAY NOT BE SCALED FROM PRINTS DUE TO DISTORTION OF PRINTS.
6. REFER TO STANDARD CONSTRUCTION NOTES.

PROJECT PHASING

- PROPOSED RENOVATIONS
- DECANTING
- EXISTING BUILDINGS
- NEW ø110mm uPVC CLASS 34 SEWERLINE
- NEW ø40mm uPVC CLASS 12 WATERLINE

BENCHMARK LIST

NORTH

12mm pegs:

RB-A	-51729.63	3750685.65	55.61

8mm pegs:

RBB	-51567.87	3750613.58	54.83
RBC	-51674.50	3750704.30	54.67
RBE	-51612.58	3750637.32	55.01
RBD	-51597.77	3750718.47	53.28
RBF	-51650.36	3750800.57	54.17

DATE		REVISION	BY
2026.05.25	T1	ISSUED FOR TENDER.	HJV
2026.03.17	1	ADDED DECANTING BLOCKS.	HJV
2026.03.02	0	ISSUED FOR INFORMATION.	HJV

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CLIENT
EASTERN CAPE DEPARTMENT OF EDUCATION

IMPLEMENTING AGENT
DISABILITY ECONOMIC EMPOWERMENT TRUST

PROJECT
REPAIRS & RENOVATIONS TO REUBIN BIRIN SPECIAL SCHOOL

TITLE
MASTER PLAN

CIVIL & STRUCTURAL ENGINEER
SKCMasakhizwe Eastern Cape (Pty) Ltd
CONSULTING ENGINEERS
14 QUEENS TERRACE
ALIWAL NORTH
9750
TEL: (051) 634-1847
P.O. BOX 578
ALIWAL NORTH
9750
FAX: (086) 650 7254
Web: www.skcm.co.za
eMail: easterncape@skcm.co.za

DRAWN	CHECKED	DESIGNED
HJV	MLX	AMP

APPROVED	DESIGNED
M.J. LE ROUX Pr Eng. 20000187	A.M. PRINSLOO Pr Eng. 20190579
DATE: JUNE 2025	SCALE: 1: 600 (A1)
DISCIPLINE: CIVIL & STRUCTURAL	

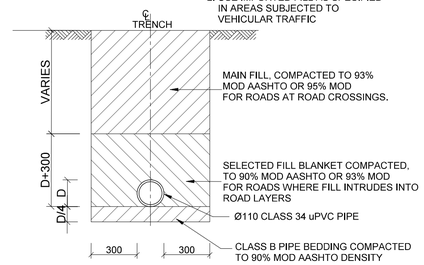
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TENDER DRAWING

DRAWING NUMBER	REVISION
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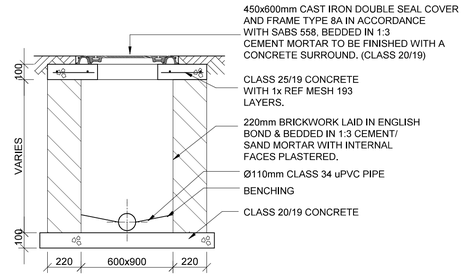
NOTES ON BACKFILL

1. USE SELECTED FILL MATERIAL IN ZONES NOT SUBJECTED TO VEHICULAR TRAFFIC.
2. USE IMPORTED FILL AS SPECIFIED IN AREAS SUBJECTED TO VEHICULAR TRAFFIC



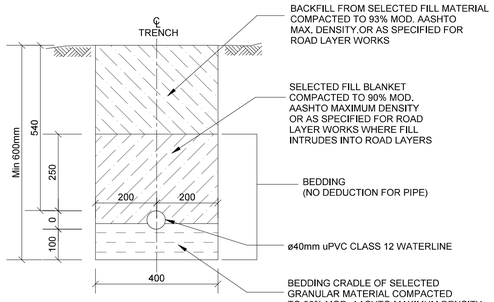
SEWER TRENCH

Scale 1.20 (A1)



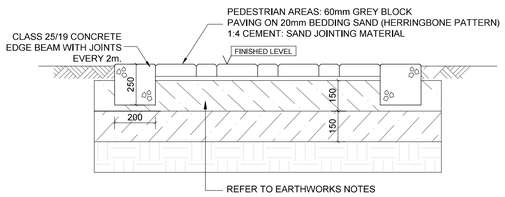
SEWER MANHOLE

Scale 1.20 (A1)



TYPICAL SECTION - PIPE TRENCH UP TO Ø75mm PIPE - DOMESTIC SUPPLY

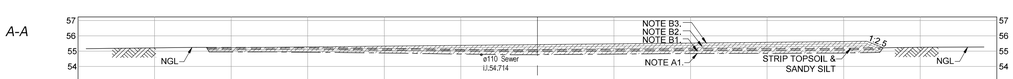
SCALE 1:10 (A1)



EDGEBEAM & PEDESTRIAN PAVED AREA DETAIL

N.T.S. (A1)

A-A

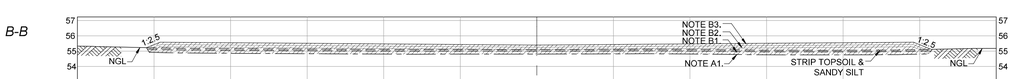


OFFSET	-20.000	-15.000	-10.000	-5.000	0.000	5.000	10.000	15.000	20.000	
DESIGN	55.225	55.275	55.325	55.375	55.425	55.475	55.525	55.575	55.625	
NGL	55.224	55.246	55.226	55.178	55.108	55.074	55.106	55.145	55.158	55.182	55.269

PLATFORM CROSS SECTION A-A

SCALE 1:200 (A1)

B-B



OFFSET	-25.000	-20.000	-15.000	-10.000	-5.000	0.000	5.000	10.000	15.000	20.000	25.000
DESIGN	55.425	55.550	55.513	55.475	55.438	55.400	55.438	55.475	55.513	55.550	55.425
NGL	55.330	55.217	55.159	55.131	55.106	55.108	55.108	55.119	55.109	55.059	55.055	55.100	55.174

PLATFORM CROSS SECTION B-B

SCALE 1:200 (A1)

TERRACE VOLUME (CONCEPT DESIGN)

VOLUME FOR TERRACE : DECANTING PLATFORM VOLUMES
GROUND SURFACE : HANSEN SURVEY
TERRACE SURFACE : DECANT DESIGN
GRID INTERVAL : 1.000

THE UNADJUSTED VOLUMES ARE :-
2.01 m³ TOTAL CUT.
684.40 m³ TOTAL FILL.
79.50 m² TOTAL AREA IN CUT.
2188.50 m² TOTAL AREA IN FILL.

DEPTH (M)	CUT (Cu.m.)	FILL (Cu.m.)
0.000 TO 0.500	2.009	684.119
0.500 TO 1.000	0.000	0.285
1.000 TO 1.500	9.103	0.000
1.500 TO 2.000	0.000	0.000
	2.009	684.404

VOLUMES ADJUSTED FOR 100.00% COMPACTION AND 0.30m STRIPPING.
-21.84 m³ CUT AVAILABLE FOR FILL
1340.95 m³ OF FILL IS REQUIRED GIVING:-
1362.79 m³ OF FILL SHORTFALL AND:-
226.80 m³ OF TOPSOIL TO BE STRIPPED
453.60 m³ OF SANDY SILT TO BE STRIPPED

EARTHWORKS NOTES:

STRIP 100mm TOPSOIL:
STRIP 100mm UPPER LAYER CONTAINING VEGETATION AND STOCKPILE FOR REUSE.

STRIP ±200mm SANDY SILT:
DIGGING UP AND REMOVING SLIGHTLY MOIST; BROWN; SOFT; INTACT; SANDY SILT TO A DEPTH OF 100-300mm TO SPOIL. EXCESS TO BE CARTED OFF SITE ONLY ON INSTRUCTION BY ENGINEER TO A LOCATION TO BE IDENTIFIED BY THE CONTRACTOR.

NOTE A-1:
COMPACTION OF IN-SITU SURFACES, ETC. INCLUDING SCARIFYING FOR A DEPTH OF 100mm, BREAKING DOWN OVERSIZED MATERIAL AND COMPACTING TO A MINIMUM OF 93% MOD AASHTO DRY DENSITY.

NOTE B-1:
IMPORT G6 MATERIAL WHERE REQUIRED AND COMPACTING TO A MINIMUM OF 95% MOD AASHTO DRY DENSITY TO 300mm BELOW FINAL LEVEL OF PLATFORM.

NOTE B-2:
IMPORT 1x G6 MATERIAL 150mm SUBBASE LAYER COMPACTED TO A MINIMUM OF 95% MOD AASHTO DRY DENSITY TO 150mm BELOW FINAL LEVEL OF PLATFORM.

NOTE B-3:
IMPORT 1x G5 MATERIAL 150mm BASE LAYER COMPACTED TO A MINIMUM OF 98% MOD AASHTO DRY DENSITY TO FINAL LEVEL OF PLATFORM.

PAVING
60mm GREY BLOCK PAVING ON 20mm BEDDING SAND (HERRINGBONE PATTERN) ON FILL AS PER NOTES A-1, B-2 & B-3.

GENERAL NOTES

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2. DRAWINGS MAY NOT BE SCALED FROM PRINTS DUE TO DISTORTION OF PRINTS.
3. REFER TO CONSTRUCTION NOTES AND STANDARD CONSTRUCTION NOTES.

LEGEND

- Electricity box
- Fire hydrant
- Grate
- Gully
- C Manhole cable
- S Manhole sewer
- Cable
- Main water line
- 110mm sewer
- NEW ø110mm uPVC CLASS 34 SEWERLINE
- NEW ø40mm uPVC CLASS 12 WATERLINE

PLATFORM COORDINATES: WGS84 25E			
Name	Y Coord	X Coord	Z Coord
D1	-51718.066	3750816.083	55.320
D2	-51703.339	3750769.137	55.320
D3	-51744.406	3750756.254	55.750
D4	-51759.133	3750803.200	55.750
D5	-51751.769	3750779.727	55.565
D6	-51710.702	3750792.610	55.135

NORTH

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PROJECT
REPAIRS & RENOVATIONS TO REUBIN BIRIN SPECIAL SCHOOL

TITLE
DECANTING LAYOUT AND DETAILS

CIVIL & STRUCTURAL ENGINEER
SKCMasakhizwe Eastern Cape (Pty) Ltd
CONSULTING ENGINEERS
14 QUEENS TERRACE ALIWAL NORTH 9750
TEL: (051) 634-1847
P.O. BOX 578 ALIWAL NORTH 9750
FAX: (086) 650 7254
Web: www.skcm.co.za
eMail: easterncape@skcm.co.za

DRAWN	CHECKED	DESIGNED
HJV	MLX	AMP

APPROVED: M.J. LE ROUX Pr Eng. 20000187
DESIGNED: A.M. PIENAAR Pr Eng. 20190579
DATE: FEB 2026
SCALE: 1: 200 (A1)
DISCIPLINE: CIVIL & STRUCTURAL
DRAWING STATUS: TENDER DRAWING

DRAWING NUMBER: F0447-01-201
REVISION: T0



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LEGEND

- Electricity box
- Fire hydrant
- Grate
- Gully
- Lamp post
- C — Manhole cable
- S — Manhole sewer
- M — Manhole stormwater
- V — Mnahole valve
- Rodding eye
- Sewer pipe
- Cable
- Concrete channel
- Fence
- Main water line
- 100mm pipe
- 200mm pipe
- 300mm pipe
- 400mm pipe
- 110mm sewer
- 160mm sewer
- NEW ø110mm uPVC CLASS 34 SEWERLINE

NORTH

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TITLE
BLOCK D & E
SITE PLAN

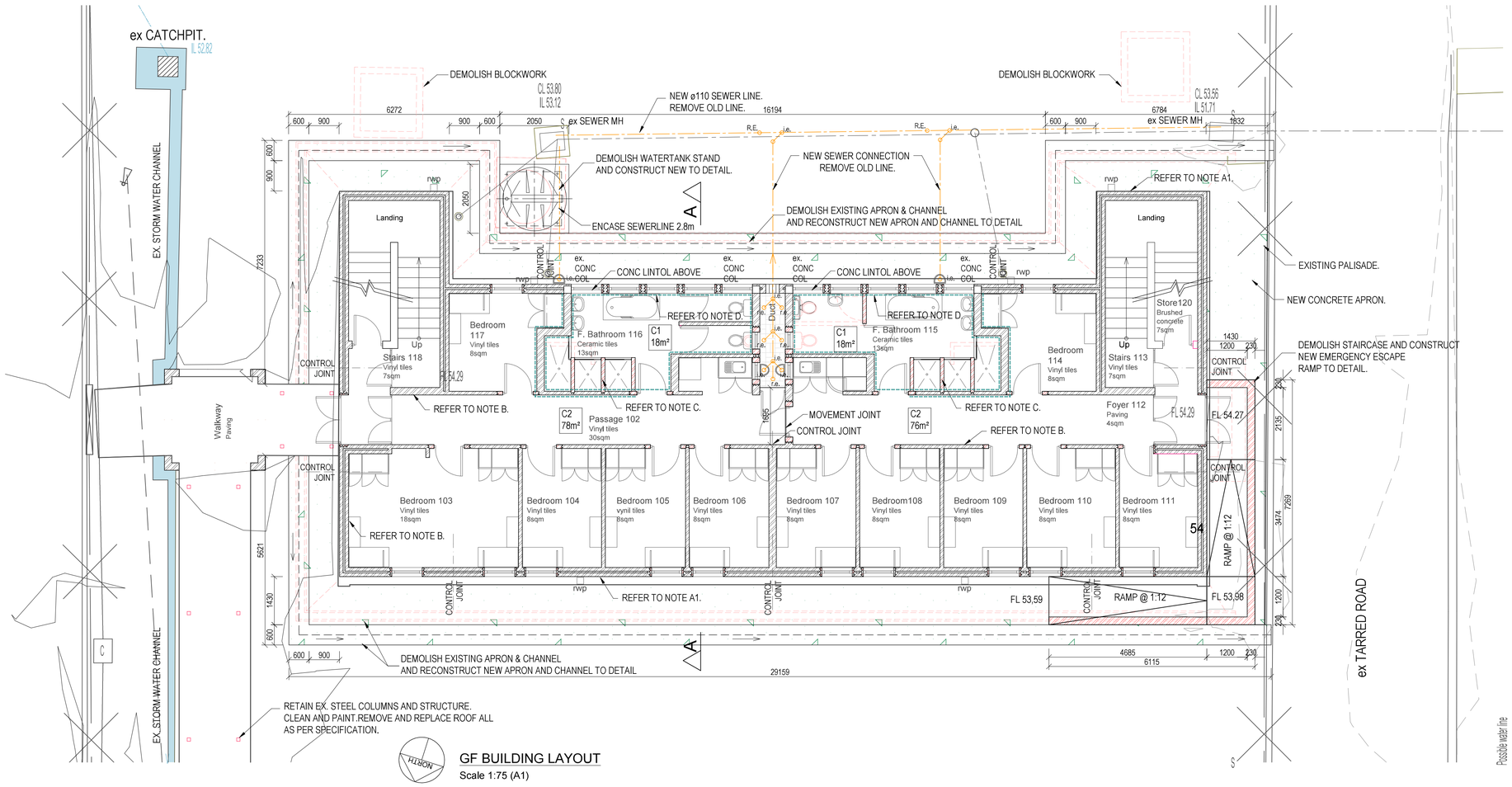
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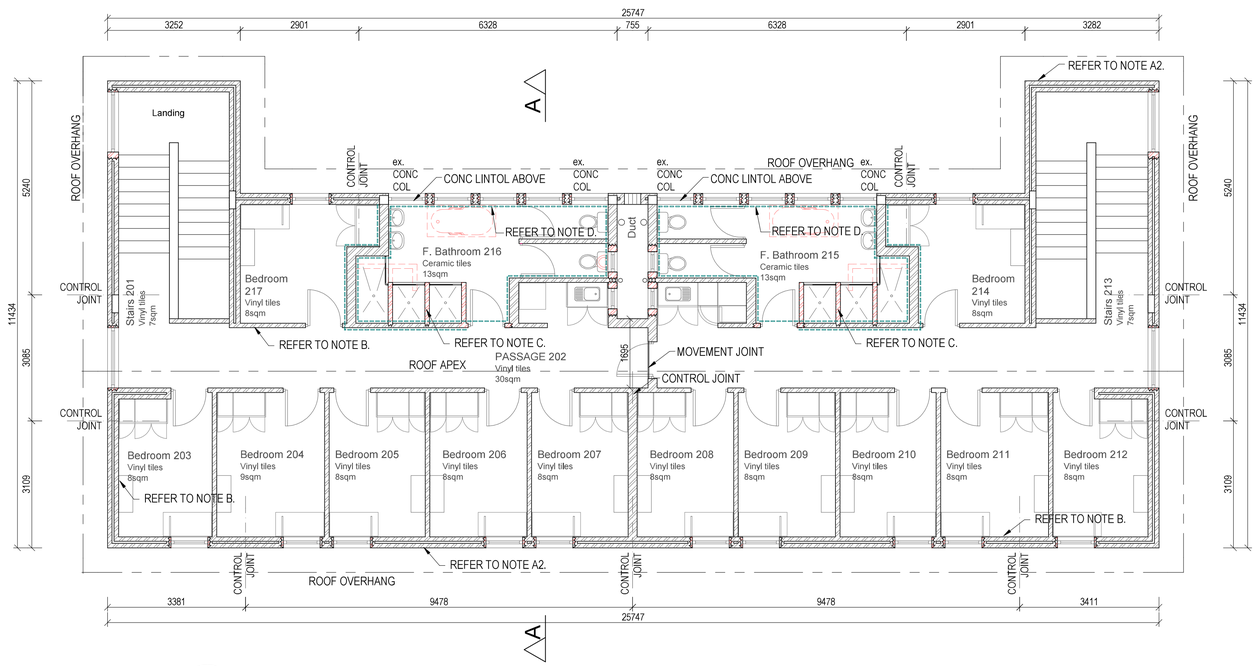
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TENDER DRAWING

DRAWING NUMBER	REVISION
F0447-01-DE000	T0



GF BUILDING LAYOUT

Scale 1:75 (A1)



FF BUILDING LAYOUT

Scale 1:75 (A1)

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DRAWING LEGEND

- EXIST. BRICKWORK: NOTE A & B
- NEW BRICKWORK: NOTE C
- EXIST. CONCRETE
- NEW CONCRETE
- NEW STRUCTURAL TIMBER(PLAN)
- NEW STRUCTURAL TIMBER(SEC)
- NEW ø110mm uPVC CLASS 34 SEWERLINE
- PLASTER REPAIR
- C1 & C2 CONCRETE SOFFIT REPAIRS

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TITLE
BLOCK D
RENOVATION LAYOUT

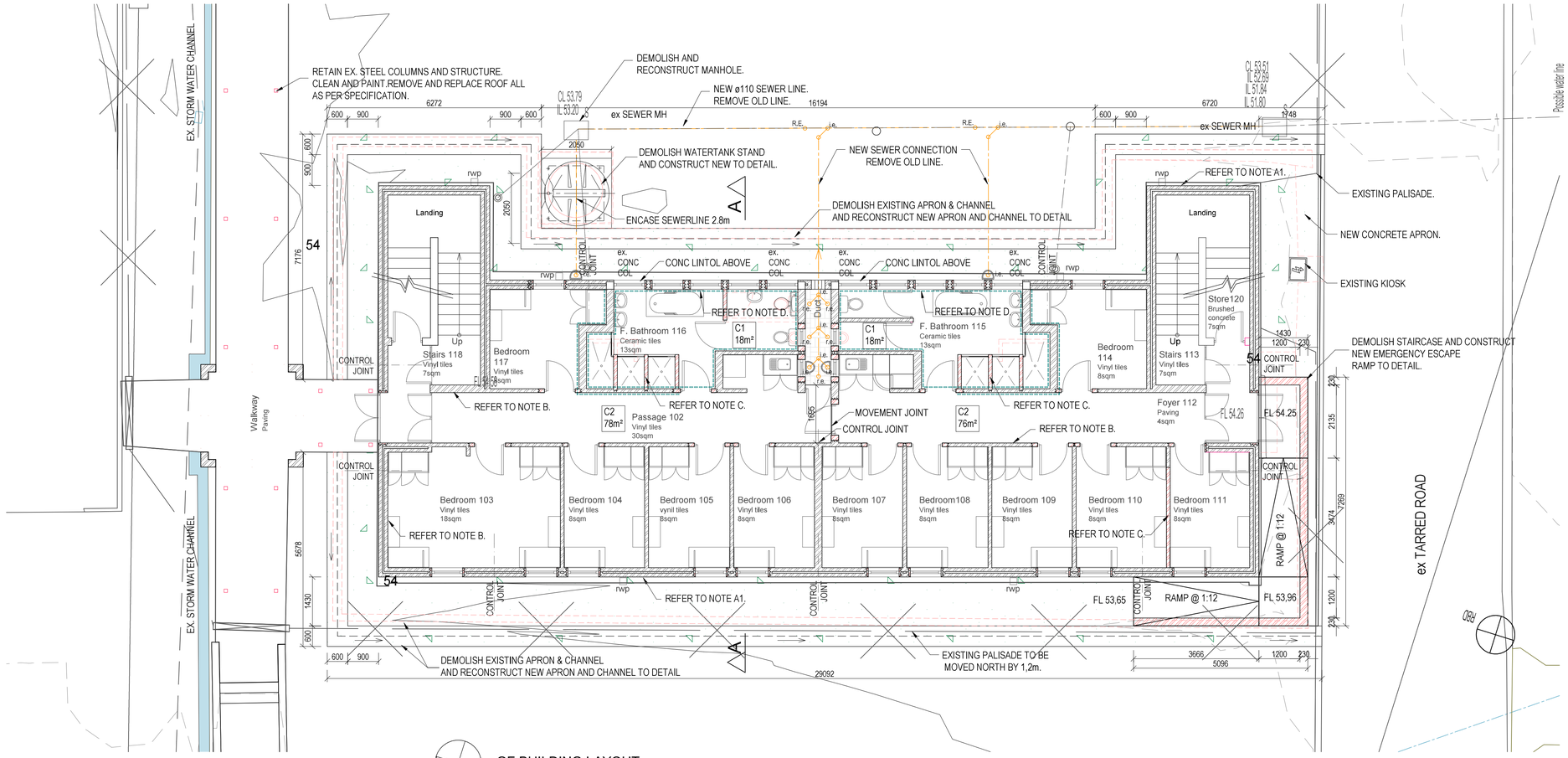
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SKCM
SKCMasakhizwe Eastern Cape (Pty) Ltd
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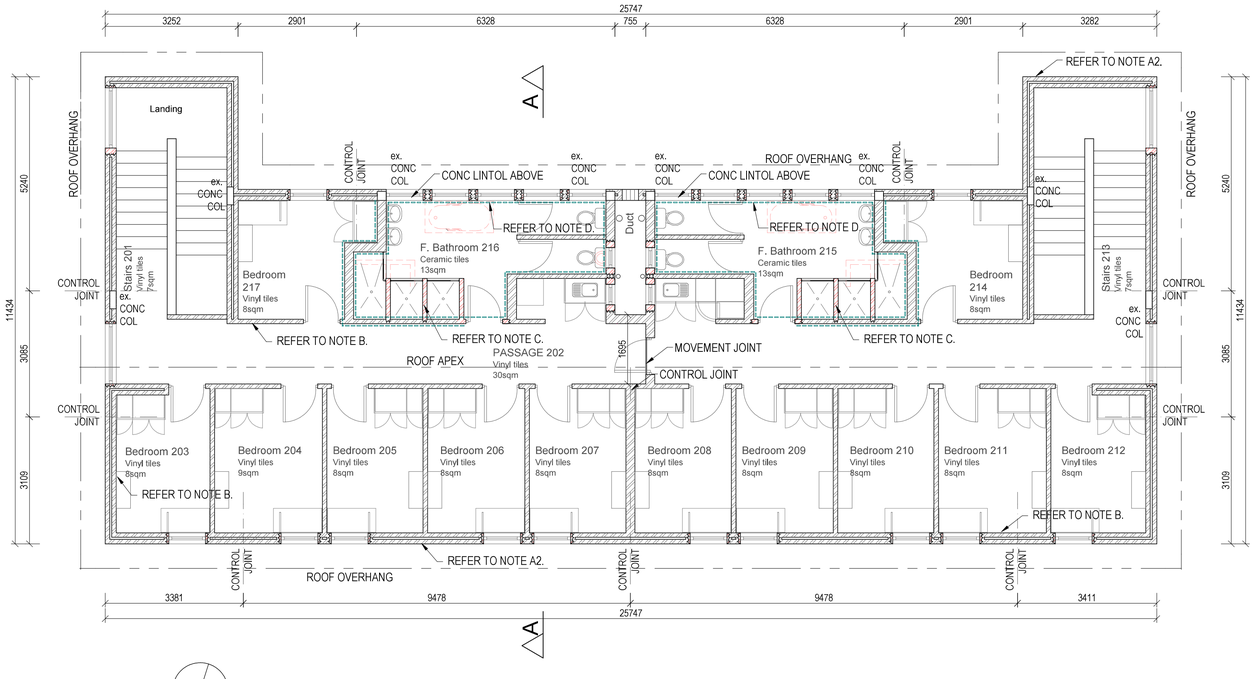
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NORTH

GF BUILDING LAYOUT

Scale 1:75 (A1)



NORTH

FF BUILDING LAYOUT

Scale 1:75 (A1)

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TITLE
BLOCK E
RENOVATION LAYOUT

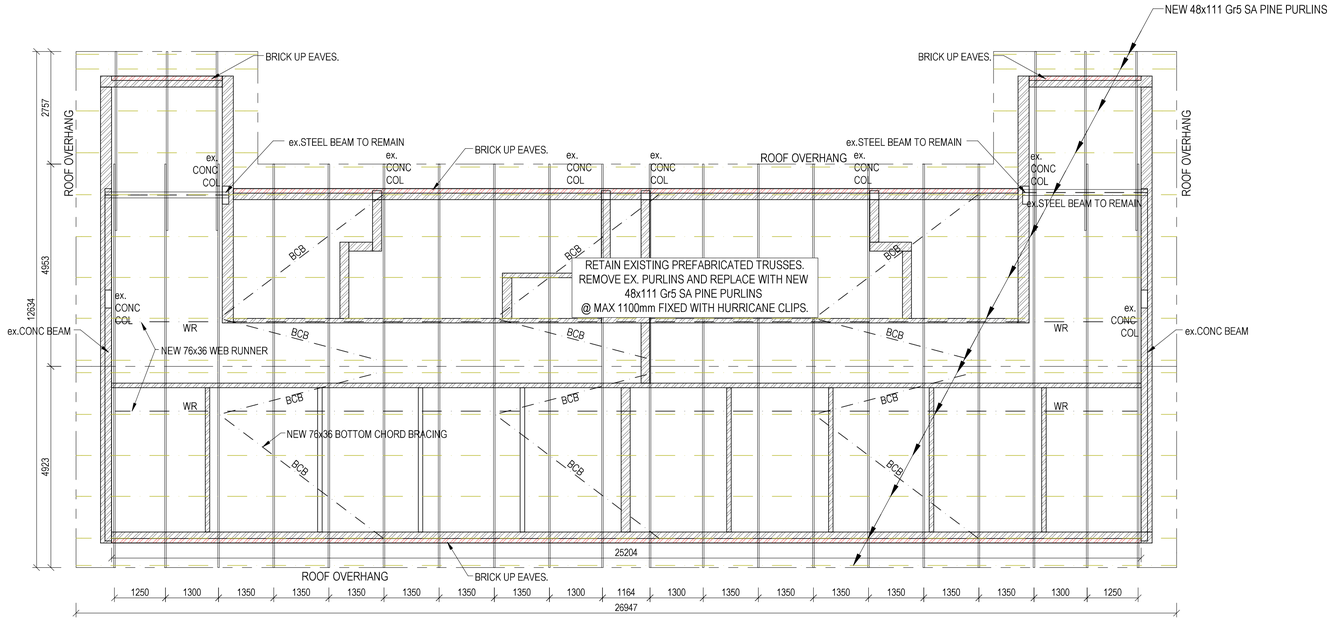
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BLOCK D & E ROOF LAYOUT

Scale 1:75 (A1)

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TITLE
BLOCK D & E RENOVATION ROOF LAYOUT

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CONSULTING ENGINEERS
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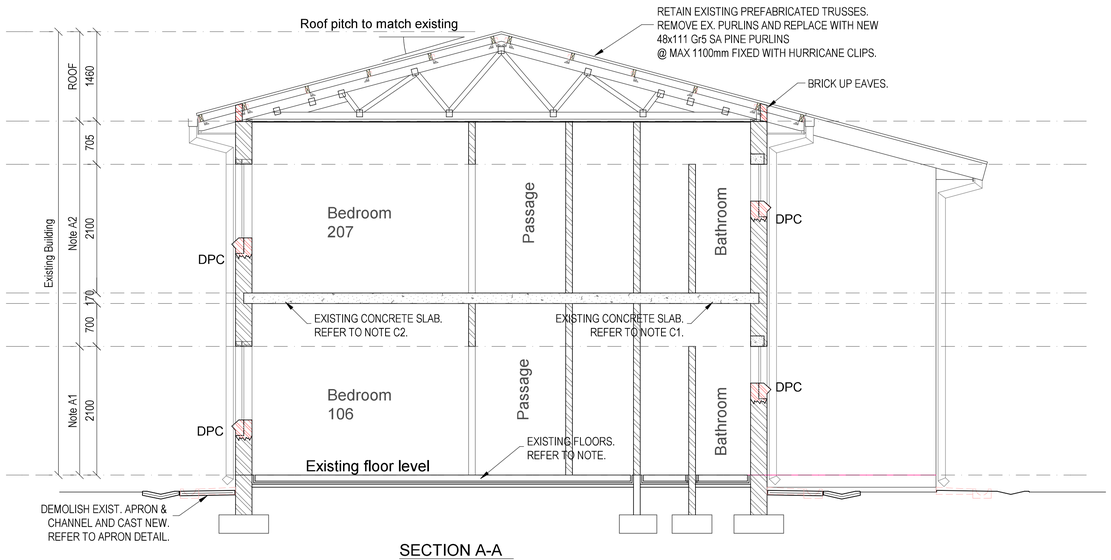
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DATE	SCALE
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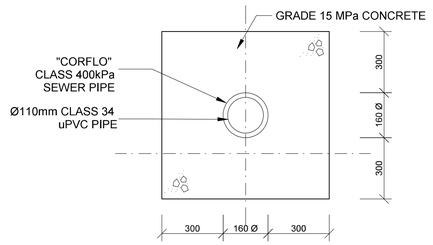
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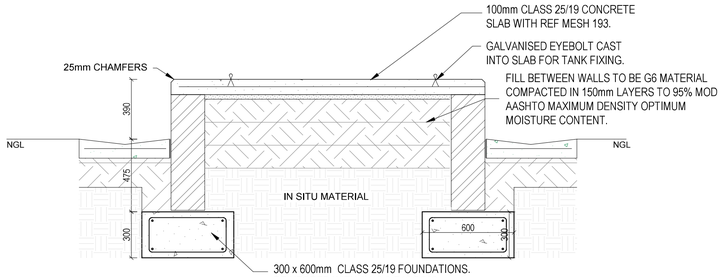
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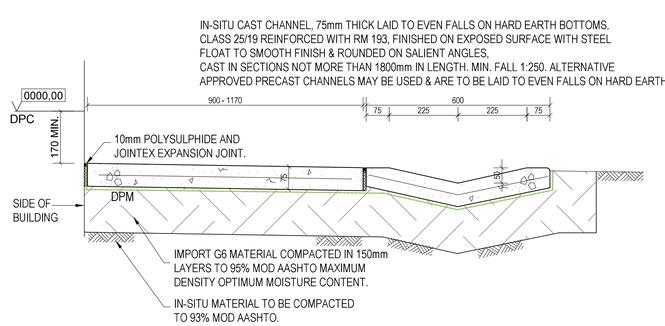
SECTION A-A
BLOCK D & E
Scale 1:50 (A1)



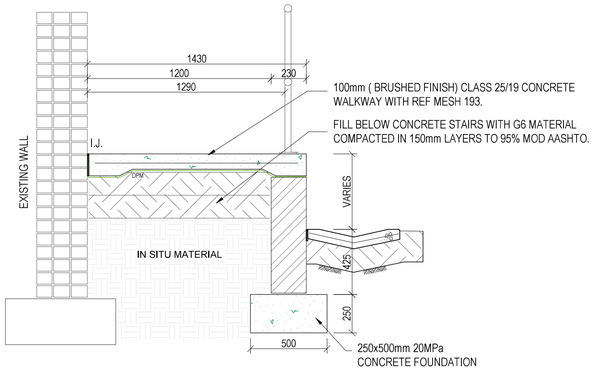
DETAIL OF CONCRETE ENCASEMENT
N.T.S.



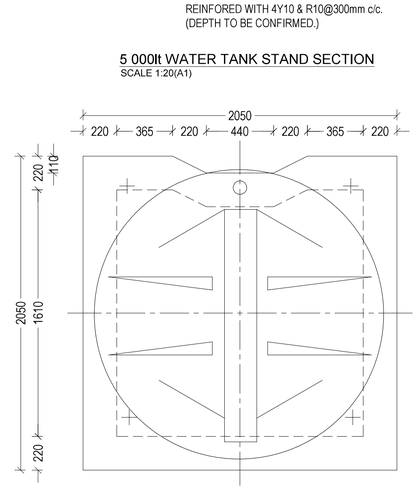
5 000lt WATER TANK STAND SECTION
SCALE 1:20(A1)



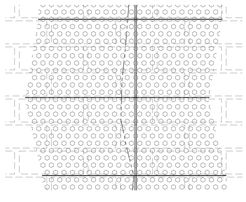
APRON WITH CHANNEL DETAIL
SCALE 1:10 (A1)



DISABLED RAMP SECTION
SCALE 1:20(A1)



5 000lt WATER TANK STAND LAYOUT
SCALE 1:20(A1)

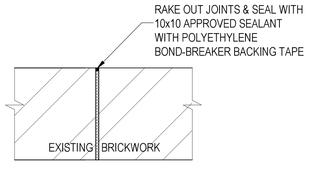


MAJOR CRACKS (> 5mm)

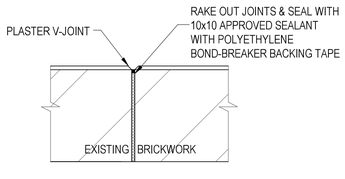
MINOR CRACKS (< 5mm)

MAJOR CRACKS (> 5mm)
- A. RAKE OPEN CRACKS, REMOVE ALL PEELING AND FLAKING PAINT.
- B. OPEN MORTAR BED AND PLACE 40x10mm GALVANISED FLATBAR (600mm LONG) INTO MORTAR BEDS EVERY THIRD COURSE. REGROUT TO SECURE.
- C. PLACE CHICKEN MESH 300mm OVER CRACK.
- D. FILL CRACKS WITH POLYCELL POLYFILLA MENDALL 90. SCRATCH OFF EXCESS MATERIAL ON EITHER SIDE OF THE JOINT.
- E. REPLASTER AND CREATE NEW 5mm ROUNDED JOINT IN NEW PLASTER.
- F. SAND THE REPAIRED AREA LIGHTLY TO MATCH ADJACENT MATERIAL IN TEXTURE.
- G. APPLY ONE COAT OF PLASCON MULTISEAL OVER THE REPAIRED AREA AND ALLOW TO DRY FOR 4 H.
- H. FINISH WITH TWO COATS OF PLASCON AS PER ARCHITECTS SPEC OVER CRACK AND A FINAL COAT OVER THE WALL PANEL.

MINOR CRACKS (< 5mm)
- A. RAKE OPEN CRACKS TO A MINIMUM OF 3mm WIDE AND DEEP, REMOVE ALL PEELING AND FLAKING PAINT. ALL SURFACE MUST BE CLEAN, FIRM AND DRY.
- B. PRIME INSIDE OF CRACK WITH PLASCON PLASTER PRIMER AND ALLOW TO DRY FOR 16 H.
- C. FILL CRACKS WITH POLYFILLA READY MIXED CRACK FILLER OR POLYCELL POLYFILLA MENDALL 90. SCRATCH OFF EXCESS MATERIAL ON EITHER SIDE OF THE JOINT.
- D. SAND THE REPAIRED AREA LIGHTLY TO MATCH ADJACENT MATERIAL IN TEXTURE.
- E. APPLY ONE COAT OF PLASCON MULTISEAL OVER THE REPAIRED AREA AND ALLOW TO DRY FOR 4 H.
- F. FINISH AS PER ARCHITECTS SPEC OVER CRACK AND A FINAL COAT OVER THE WALL PANEL.

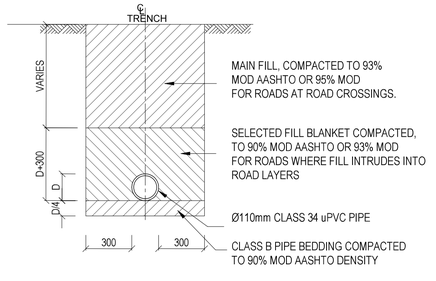


CONTROL JOINT DETAIL (UNPLASTERED)
SCALE 1:10 (A1)

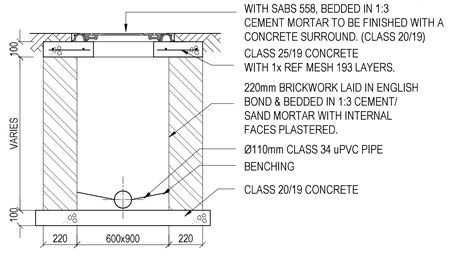


CONTROL JOINT DETAIL (PLASTERED)
SCALE 1:10 (A1)

NOTES ON BACKFILL
1. USE EXCAVATED MATERIAL IN ZONES NOT SUBJECTED TO VEHICULAR TRAFFIC
2. USE IMPORTED FILL AS SPECIFIED IN AREAS SUBJECTED TO VEHICULAR TRAFFIC



SEWER TRENCH
SCALE 1:20(A1)



SEWER MANHOLE
SCALE 1:20(A1)

GENERAL NOTES
1. ALL WORK TO BE EXECUTED IN STRICT COMPLIANCE WITH SABS 10400 and SANS 2001.
2. ALL LOADS IN ACCORDANCE WITH SANS 10160 PERMISSIBLE SUPERIMPOSED LOADS.
3. ALL DIMENSIONS TO BE CHECKED ON THE SITE AND ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER IMMEDIATELY BEFORE COMMENCING WITH ANY WORK.
4. WRITTEN DIMENSIONS TO BE USED IN PREFERENCE TO SCALED DIMENSIONS.
5. DRAWINGS MAY NOT BE SCALED FROM PRINTS DUE TO DISTORTION OF PRINTS.
6. REFER TO STANDARD CONSTRUCTION NOTES.

DRAWING LEGEND
- EXIST. BRICKWORK: NOTE A & B
- NEW BRICKWORK: NOTE C
- EXIST. CONCRETE
- NEW CONCRETE
- NEW STRUCTURAL TIMBER(PLAN)
- NEW STRUCTURAL TIMBER(SEC)
- NEW ø110mm uPVC CLASS 34 SEWERLINE
- PLASTER REPAIR
- C1 & C2 CONCRETE SOFFIT REPAIRS

DATE		REVISION	BY
2026.05.25	0	ISSUED FOR TENDER.	HJV
2026.03.05	0	ISSUED FOR INFORMATION.	HJV

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DISABILITY ECONOMIC EMPOWERMENT TRUST

PROJECT
REPAIRS & RENOVATIONS TO REUBIN BIRIN SPECIAL SCHOOL

TITLE
BLOCK D & E RENOVATION SECTION & DETAILS

CIVIL & STRUCTURAL ENGINEER
SKCM
SKCMasakhizwe Eastern Cape (Pty) Ltd
CONSULTING ENGINEERS
14 QUEENS TERRACE
ALIVAL NORTH
9750
TEL: (051) 634-1847
P.O. BOX 578
ALIVAL NORTH
9750
FAX: (086) 650 7254
Web: www.skcm.co.za
eMail: easterncape@skcm.co.za

DRAWN	CHECKED	DESIGNED
HJV	MLX	AMP

APPROVED: MJ.J. LE ROUX Pr Eng, 20000187
DESIGNED: AJM. PIRINSLOO Pr Eng, 20190579
DATE: FEB 2026
SCALE: AS SHOWN
DISCIPLINE: CIVIL & STRUCTURAL
DRAWING STATUS: TENDER DRAWING
DRAWING NUMBER: F0447-01-DE102
REVISION: T0

CONSTRUCTION NOTES:

(ALL TO BE READ IN CONJUNCTION WITH ARCHITECTS SPECIFICATION.)

ROOF:

A. REMOVE ALL ASBESTOS ROOF SHEETING AND 76x50 mm PURLINS.
B. INSPECT ALL EXISTING ROOF STRAPS FOR CORROSION. WHERE REMEDIAL WORKS ARE REQUIRED TO STRAPS THE FOLLOWING SHALL APPLY,
a. INSTALL NEW 30x1,6mm GALVANIZED STEEL STRAP FIXED TO WALL WITH M6x80 NAIL IN ANCHOR TO INTERNAL FACE OF BRICKWORK. STRAP EMBEDMENT = 600mm. ALL SPACING TO BE IN ACCORDANCE WITH ROOF MANUFACTURERS DESIGN.
C. INSTALL NEW 48x111 Gr5 SA PINE PURLINS @ MAX 1100mm FIXED WITH HURRICANE CLIPS.
D. INSTALL NEW 76x36 Gr5 SA PINE BRACING AS INDICATED.

WALLS:

NOTE A1: (EXPOSED FACEBRICK)

A. DETERIORATED MORTAR TO BE CAREFULLY RAKED OUT TO A DEPTH OF APPROXIMATELY 15mm.
B. CLEAN EXPOSED JOINTS THOROUGHLY BY USING A WIRE BRUSH AND WATER TO REMOVE DUST AND DEBRIS.
C. NEW 1:4 MORTAR JOINTS, MATCHING THE ORIGINAL IN COLOUR, TEXTURE, AND COMPOSITION TO BE APPLIED.
D. ALL NEW JOINTS TO BE TOOLED TO MATCH THE EXISTING FINISH, WHETHER FLUSH, RAKED, OR WEATHERED, TO ENSURE A CONSISTENT AND VISUALLY COHESIVE APPEARANCE.

NOTE A2: (PLASTERED FACEBRICK)

A. CLEAN ALL FACEBRICKS WITH HIGH PRESSURE CLEAINING TO REMOVE ALL LOOSE MORTAR, SALT DEPOSITS, ALGEA OR MOSS OR ANY OTHER CONTAMINENTS.
B. DETERIORATED MORTAR TO BE REPAIRED AS PER NOTE A1.
C. THE SURFACE SHALL BE COVERED WITH A SPATTERDASH LAYER THAT COMPRISES ONE PART CEMENT TO ONE AND A HALF PARTS OF COARSE SAND, WITH ENOUGH WATER TO PROVIDE A SLUGGISH POURABLE CONSISTENCY. THE APPLICATION OF THE SPATTERDASH SHALL RESULT IN THE ENTIRE SUBSTRATE HAVING A ROUGH TEXTURE WITH NODULES APPROXIMATELY 5mm HIGH AND NO FURTHER THAN 50mm APART. THE SPATTERDASH SHALL BE KEPT MOIST FOR AT LEAST 3 D AFTER BEING APPLIED TO A SUBSTRATE.
D. FINISH WITH FINAL PLAST COAT AS PER SANS 2001: EM1.

NOTE B: (EXISTING INTERNAL PLASTER)

A. IDENTIFY AND CATEGORISE ALL CRACKS. REFER STRUCTURAL OR ACTIVE CRACKS TO THE ENGINEER BEFORE REPAIR.
B. PREPARE SUBSTRATE BY REMOVING LOOSE, FLAKING, OR FRIABLE MATERIAL TO PROVIDE A SOUND SURFACE IN ACCORDANCE WITH SANS REQUIREMENTS.
C. ENSURE ALL SURFACES ARE CLEAN, DRY, AND FREE OF DUST, GREASE, MOULD, OR CONTAMINANTS. DO NOT APPLY REPAIR MATERIAL TO DAMP SUBSTRATES.
D. FILL FINE CRACKS (<1 mm) WITH APPROVED HIGH-BUILD ACRYLIC FILLER; MEDIUM CRACKS (1–3 mm) WITH NON-SHRINK, POLYMER-MODIFIED FILLER, APPLIED IN LAYERS AS REQUIRED.
E. EMBED FIBREGLASS MESH TAPE IN REPAIRS WHERE MOVEMENT CONTROL IS NECESSARY.
F. ALLOW REPAIR COMPOUNDS TO CURE FULLY BETWEEN COATS, FOLLOWING MANUFACTURER INSTRUCTIONS.
G. SAND CURED REPAIRS TO A SMOOTH, FLUSH FINISH; REMOVE ALL DUST PRIOR TO PRIMING OR PAINTING.
H. APPLY SUITABLE PRIMER OR BONDING COAT (IN ADDITION TO ANTI-FUNGAL PRIMER WHERE APPLICABLE).
I. APPLY TWO UNIFORM COATS OF SPECIFIED FINISHING PAINT, ENSURING CONSISTENT COVERAGE AND COMPLIANCE WITH SANS 1586.
J. DO NOT PERFORM EXTERNAL REPAIRS IN ADVERSE WEATHER (RAIN, HIGH HUMIDITY, SUBSTRATE <10°C).
K. RECTIFY ALL MOISTURE INGRESS AT SOURCE BEFORE REPAIRS; DO NOT REPAIR ACTIVELY DAMP SUBSTRATES.

NOTE C: (NEW WALLS INTERNAL)

A. ALL NEW BRICKWORK SHALL BE IN ACCORDANCE WITH SANS 2001-CM1-1.
B. BRICKWORK TO HAVE NOMINAL COMPRESSIVE STRENGTH OF 14 MPa.
C. INSTALL FABRIC BRICK REINFORCEMENT IN EVERY THIRD COURSE ABOVE DPC AND IN EVERY COURSE FOR FIVE COURSES ABOVE LINTOL HEIGHT.
D. MORTAR FOR BRICKWORK TO BE CLASS II MORTAR AND IN ACCORDANCE WITH SANS 10164 PART I - Table 1.

NOTE D: (EXISTING MOULD AFFECTED PLASTER)

REPEAT STEPS A to G AS PER NOTE B ABOVE.
L. TREAT DAMP OR MOULD-AFFECTED AREAS WITH AN APPROVED BIOCIDAL WASH. ALLOW SUBSTRATE TO DRY FULLY.
M. PRIME TREATED AREAS WITH AN APPROVED MOULD-RESISTANT OR ANTI-FUNGAL PRIMER (E.G., PRO-STRUCT 684/689) WITH FULL, UNIFORM COVERAGE AND ADEQUATE DRYING TIME.
REPEAT STEPS H to K AS ABOVE.

REPAIR OF DAMP & MOULDY CONCRETE CEILINGS - C1

A. IDENTIFY AND RECTIFY THE SOURCE OF MOISTURE (ROOF LEAKS, FLASHINGS, PLUMBING, FAILED WATERPROOFING, OR POOR VENTILATION). ENSURE AFFECTED AREAS ARE FULLY DRY BEFORE REPAIR.
B. REMOVE ALL LOOSE, DAMAGED, OR MOULD-AFFECTED MATERIAL, INCLUDING FLAKING PAINT, DELAMINATED PLASTER, AND SOFTENED CONCRETE. SCRAPE AND WIRE-BRUSH TO ACHIEVE A CLEAN, SOUND SUBSTRATE.
C. REPAIR CONCRETE DEFECTS (CRACKS, HONEYCOMBING, SPALLING) BY REMOVING UNSOUND MATERIAL, CLEANING EXPOSED SURFACES, AND REINSTATING WITH APPROVED STRUCTURAL REPAIR MORTAR. CURE STRICTLY PER MANUFACTURER AND SANS REQUIREMENTS.
D. REAPPLY PLASTER FINISHES USING A BONDING AGENT OR SLURRY COAT, FOLLOWED BY CEMENT-SAND PLASTER OR POLYMER-MODIFIED SKIM COAT. ENSURE FLUSH, LEVEL FINISH WITH EXISTING CEILING.
E. PRIME TREATED AREAS WITH AN APPROVED MOULD-RESISTANT OR ANTI-FUNGAL PRIMER (E.G., PRO-STRUCT 684/689), ENSURING FULL, UNIFORM COVERAGE AND ADEQUATE DRYING TIME.
F. APPLY TWO COATS OF CEILING PAINT PER THE ARCHITECT'S SPECIFICATION ONCE ALL REPAIR AND PLASTER MATERIALS HAVE FULLY CURED, ENSURING A DURABLE, UNIFORM FINISH.

REPAIR OF EXPOSED CONCRETE CEILINGS - C2

A. REMOVE ALL LOOSE OR DAMAGED MATERIAL, INCLUDING FLAKING PAINT, DELAMINATED PLASTER, AND DETERIORATED CONCRETE. MECHANICALLY SCRAPE AND WIRE-BRUSH THE CONCRETE CEILING TO EXPOSE A CLEAN, SOUND SUBSTRATE IN ACCORDANCE WITH SANS2001:EM1
B. REPAIR CONCRETE DEFECTS, SUCH AS CRACKING, HONEYCOMBING, AND SPALLING. REMOVE ALL UNSOUND CONCRETE, CLEAN EXPOSED SURFACES, AND REINSTATE USING AN APPROVED STRUCTURAL REPAIR MORTAR (E.G., PRO-STRUCT, SIKA, A.B.E. CONSTRUCTION CHEMICALS). CURE REPAIRS STRICTLY AS PER THE MANUFACTURER'S SPECIFICATIONS AND RELEVANT SANS REQUIREMENTS.
C. FINISH IN COMPLIANCE WITH THE ARCHITECT'S SPECIFICATION. CONFIRM THAT ALL PLASTER AND REPAIR MATERIALS HAVE FULLY CURED BEFORE APPLYING PAINT TO ACHIEVE A DURABLE AND UNIFORM FINISH.

WALL CONTROL JOINTS:

A. DETERIORATED SEALANT AND BACKER MATERIAL TO BE REMOVED FROM THE JOINT.
B. THE JOINT SURFACES TO BE CLEANED THOROUGHLY BY REMOVING DUST, DEBRIS, AND ANY REMAINING SEALANT RESIDUE.
C. ONCE CLEAN, A SUITABLE BACKER ROD SHALL BE INSERTED TO THE APPROPRIATE DEPTH, FOLLOWED BY THE APPLICATION OF A HIGH-QUALITY, FLEXIBLE JOINT SEALANT COMPATIBLE WITH THE WALL MATERIAL.
D. THE SEALANT SHALL BE TOOLED TO ENSURE PROPER ADHESION TO THE JOINT SIDES AND A SMOOTH, WEATHER-TIGHT FINISH.
E. ALL REPAIRS MUST RESTORE THE JOINT'S ABILITY TO ACCOMMODATE THERMAL AND STRUCTURAL MOVEMENT WITHOUT COMPROMISING THE INTEGRITY OF THE WALL.
F. WHERE SURFACES ARE TO BE PLASTERED, A V-JOINT SHOULD BE FORMED AROUND THE JOINT.

WINDOWS:

A. ALL WINDOW OPENINGS SHALL BE THOROUGHLY INSPECTED TO VERIFY THE PRESENCE AND CONDITION OF LINTELS.
B. WHERE LINTELS ARE MISSING, INADEQUATELY SIZED, OR STRUCTURALLY COMPROMISED, APPROPRIATE CORRECTIVE MEASURES MUST BE TAKEN TO ENSURE THE STRUCTURAL INTEGRITY OF THE WALL ABOVE THE OPENINGS.

FLOORS: EXISTING

A. ALL EXISTING FLOORING MATERIALS, ADHESIVES, AND RESIDUES MUST BE FULLY REMOVED TO EXPOSE A CLEAN CONCRETE SURFACE.
B. THE CONCRETE SHALL BE INSPECTED FOR CRACKS, SPALLS, OR SURFACE DEFECTS.
C. ANY CRACKS IDENTIFIED SHALL BE ASSESSED TO DETERMINE THEIR CAUSE AND SEVERITY.
D. REMEDIAL WORKS MAY INCLUDE CRACK CHASING AND SEALING WITH APPROPRIATE EPOXY OR POLYURETHANE FILLERS, OR PATCH REPAIRS USING SUITABLE CONCRETE REPAIR MORTAR.
E. THE FLOOR SURFACE SHALL BE PREPARED AND FINISHED TO A CLEAN, SMOOTH, AND STABLE CONDITION, SUITABLE FOR THE APPLICATION OF NEW FLOOR COVERINGS OR FINISHES.

SEWER:

A. ALL SEWER MANHOLES AND DRAINAGE LINES TO BE CLEARED BY MECHANICAL OR MANUAL RODDING TOOLS TO REMOVE OBSTRUCTIONS SUCH AS SILT, DEBRIS, ROOTS, OR FOREIGN OBJECTS. LONGER OR SEVERELY BLOCKED PIPES, SHOULD BE CLEARED BY USING HIGH-PRESSURE WATER JETTING EQUIPMENT FROM THE NEAREST OUTFLOW MANHOLE.
B. EXISTING BENCHING TO BE INSPECTED FOR CRACKING OR MISSING SECTIONS AND RECTIFIED WHERE REQUIRED WITH GRANOLITHIC CONCRETE WITH A MINIMUM THICKNESS OF 20mm AND SHALL BE FINISHED SMOOTH AND TRUE WITH A STEEL TROWEL, AND ALL CORNERS SHALL BE ROUNDED.
C. ALL INTERNAL SEWER DRAINAGE LINES TO BE REPLACED WITH uPVC CLASS 34 PIPE TO NEAREST CONNECTION MANHOLE.
D. ALL GULLEYS AND DRAINAGE LINES TO BE REPLACED.
E. ALL WASTE PIPES TO BE REPLACED.

GENERAL NOTES

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3.DRAWINGS MAY NOT BE SCALED FROM PRINTS DUE TO DISTORTION OF PRINTS.

STANDARD BRICKWORK NOTES

1. ALL BRICKWORK SHALL BE IN ACCORDANCE WITH SANS 2001-CM1-1.
2. BRICKWORK TO HAVE NOMINAL COMPRESSIVE STRENGTH OF 14 MPa.
3. INSTALL FABRIC BRICK REINFORCEMENT IN EVERY COURSE BELOW DPC, EVERY 2 COURSES ABOVE DPC AND IN EVERY COURSE FOR FIVE COURSES ABOVE LINTOL HEIGHT.
4. MORTAR FOR BRICKWORK TO BE CLASS II MORTAR AND IN ACCORDANCE WITH SANS 10164 PART I - Table 1.

STANDARD CONCRETE NOTES:

1. ALL CONCRETE TO BE IN ACCORDANCE WITH SANS 2001-CC1.
2. ALL CONCRETE TO BE STRENGTH CONCRETE.
3. GRADES OF CONCRETE:

MASS CONCRETE	15/19
FOUNDATIONS	25/19
APRONS	25/19
SLABS	25/19

STANDARD REINFORCING NOTES:

1. STRENGTH OF REINFORCEMENT:

REFERENCE	TYPE	STRENGTH (MPa)
R	A	250
Y	C	450

2. CONCRETE COVER (mm)

	EXTERNAL
APRONS	35
FOUNDATIONS	50

3. ALL BENDING OF REINFORCEMENT TO BE IN ACCORDANCE WITH SABS 82
4. ALL PLACING OF REINFORCEMENT TO BE IN ACCORDANCE WITH SABS 0144.
5. MINIMUM SPLICE LENGTHS:
8 mm Ø = 400 mm
10 mm Ø = 500 mm
6. ALL REINFORCING TO BE INSPECTED AND APPROVED BY ENGINEER BEFORE PLACING CONCRETE.

DATE		REVISION	BY
2026.05.25	0	ISSUED FOR TENDER.	HJV
2026.03.05	0	ISSUED FOR INFORMATION.	HJV

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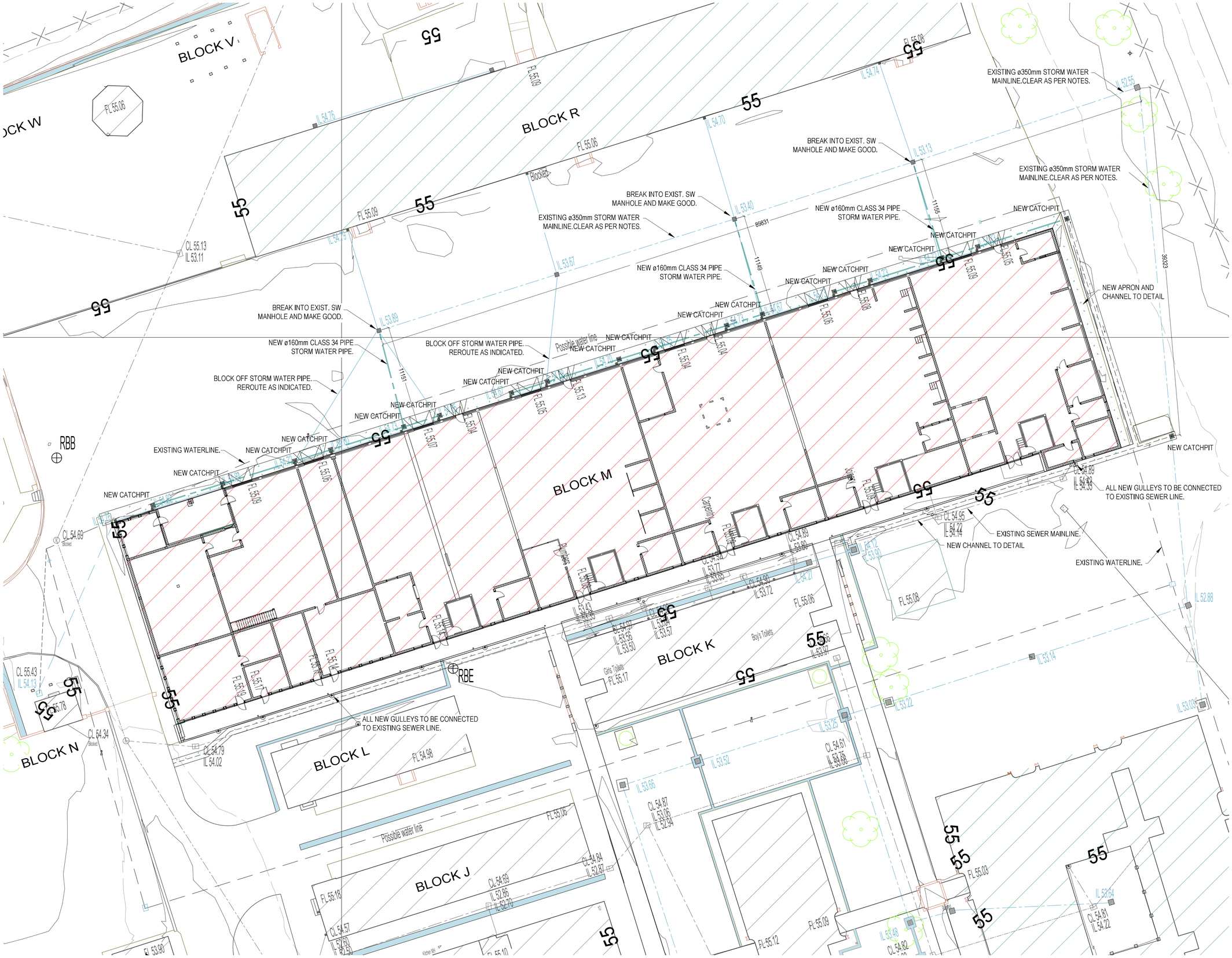
PROJECT
REPAIRS & RENOVATIONS TO REUBIN BIRIN SPECIAL SCHOOL

TITLE
BLOCK D & E RENOVATION NOTES

CIVIL & STRUCTURAL ENGINEER
SKCMasakhizwe Eastern Cape (Pty) Ltd
CONSULTING ENGINEERS
14 QUEENS TERRACE, ALIWAL NORTH, 9750
TEL: (051) 634-1847
P.O. BOX 578, ALIWAL NORTH, 9750
FAX: (086) 650 7254
Web: www.skcm.co.za
eMail: easterncape@skcm.co.za

DRAWN	CHECKED	DESIGNED
HJV	MLX	AMP

APPROVED: M.J.LE ROUX Pr Eng, 20006187
DESIGNED: A.M. PIENEMAN Pr Eng, 20190679
DATE: FEB 2026
SCALE: N.T.S. A3
DISCIPLINE: CIVIL & STRUCTURAL
DRAWING STATUS: TENDER DRAWING
DRAWING NUMBER: F0447-01-DE200
REVISION: T0



GENERAL NOTES

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6. REFER TO STANDARD CONSTRUCTION NOTES.

LEGEND

- Electricity box
- Fire hydrant
- Grate
- Gully
- Lamp post
- C Manhole cable
- S Manhole sewer
- M Manhole stormwater
- V Mnahole valve
- Rodding eye
- Sewer pipe
- Cable
- Concrete channel
- Fence
- Main water line
- 100mm pipe
- 200mm pipe
- 300mm pipe
- 400mm pipe
- 110mm sewer
- 160mm sewer

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PROJECT
REPAIRS & RENOVATIONS TO REUBIN BIRIN SPECIAL SCHOOL

TITLE
BLOCK M
SITE PLAN

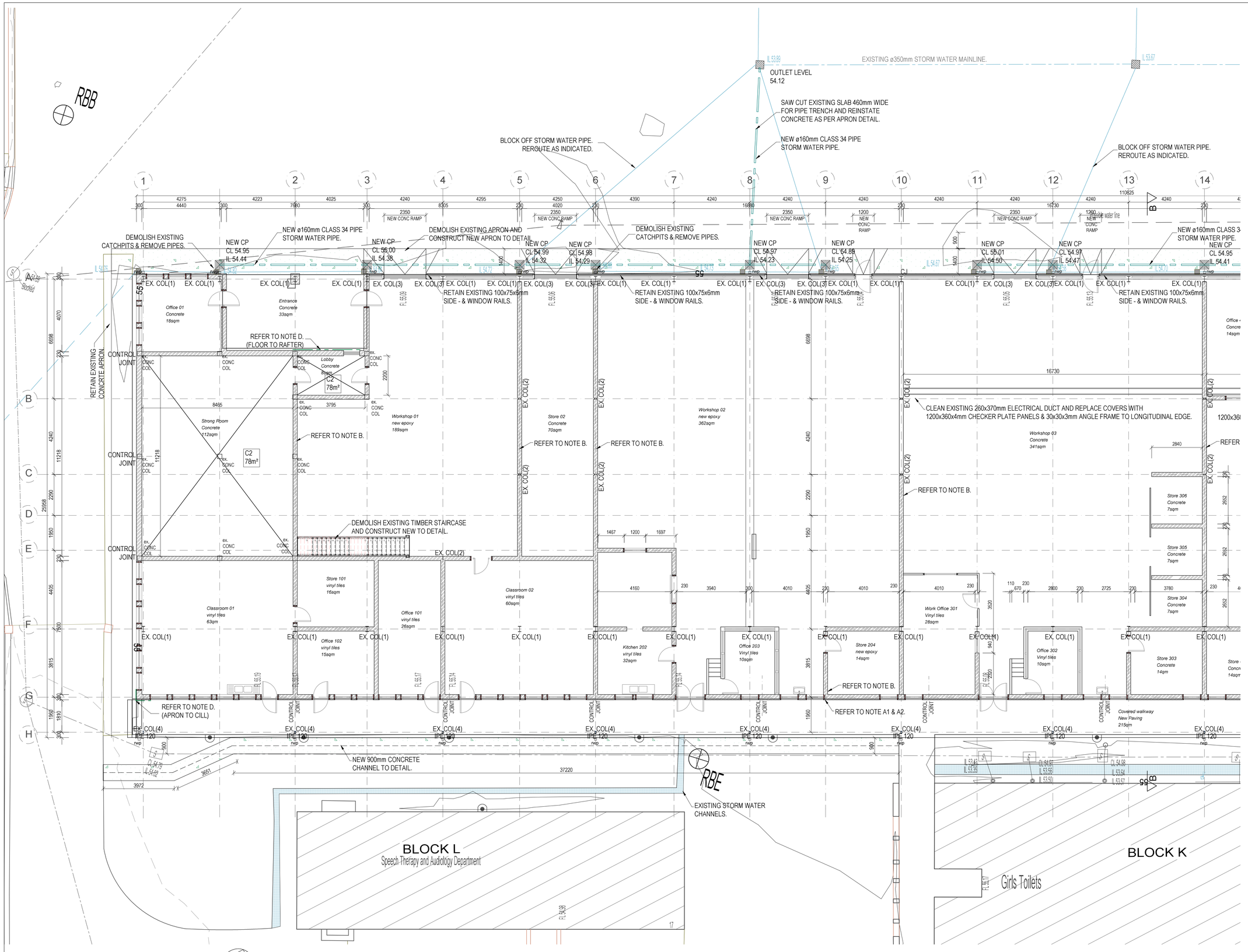
CIVIL & STRUCTURAL ENGINEER
SKCMasakhizwe Eastern Cape (Pty) Ltd
CONSULTING ENGINEERS
14 QUEENS TERRACE
ALIWAL NORTH
9750
TEL: (051) 634-1847
P.O. BOX 578
ALIWAL NORTH
9750
FAX: (086) 650 7254
Web: www.skcm.co.za
eMail: easterncape@skcm.co.za

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HJV	MLX	AMP

APPROVED	DESIGNED
M.J. LE ROUX Pr Eng. 20000187	A.M. PRINSLOO Pr Eng. 20190579
DATE: FEB 2026	SCALE: 1: 200 (A1)
DISCIPLINE: CIVIL & STRUCTURAL	

DRAWING STATUS
TENDER DRAWING

DRAWING NUMBER	REVISION
F0447-01-M000	T0



BUILDING LAYOUT 1

Scale 1:100 (A1)

GENERAL NOTES

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6. REFER TO STANDARD CONSTRUCTION NOTES.

NOTES

COL 1 - 305x165x41Kg
COL 2 - IPE 160
COL 3 - 300x100x46Kg TFC
COL 4 – 75x75x4mm SHS TO BE REPLACED WITH IPE 120 SECTIONS.
RAFTER 1 - 305x165x41Kg
RAFTER 2 - IPE 160
RAFTER 3 - 120x55x13 PFC
VERANDA BEAM – 220x80x21kg PFC

RETAIN ALL INTERNAL COLUMNS, RAFTERS, SIDE RAILS AND BRACING.
REPLACE ALL PURLINS INTERNALLY AND EXTERNALLY.
REPLACE ALL 50x50x5mm KNEE BRACING.
REPLACE ALL BOLTS WITH SIMILAR SIZE GR8.8 GALVANISED BOLTS.

DRAWING LEGEND

- EXIST. BRICKWORK: NOTE A & B
- NEW BRICKWORK: NOTE C
- EXIST. CONCRETE
- NEW CONCRETE
- NEW STRUCTURAL STEEL(PLAN)
- BRICKWORK REPAIR
- C2 CONCRETE SOFFIT REPAIRS
- NEW ø110mm uPVC CLASS 34 SEWERLINE
- NEW ø160mm uPVC CLASS 34 STORM WATER

REFER TO F0447-01-M100-2

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2026.03.13	0	ISSUED FOR INFORMATION.	HJV

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PROJECT
REPAIRS & RENOVATIONS TO REUBIN BIRIN SPECIAL SCHOOL

TITLE
BLOCK M
RENOVATION LAYOUT 2

CIVIL & STRUCTURAL ENGINEER
SKCM
SKCMasakhizwe Eastern Cape (Pty) Ltd
CONSULTING ENGINEERS
14 QUEENS TERRACE
ALIWAL NORTH
9750
TEL. (051) 634-1847
P.O. BOX 578
ALIWAL NORTH
9750
FAX. (086) 650 7254
Web: www.skcm.co.za
eMail: easterncape@skcm.co.za

DRAWN	CHECKED	DESIGNED
HJV	MLX	AMP

APPROVED	DESIGNED
M.J. LE ROUX Pr Eng, 20000187	A.M. PRINSLOO Pr Eng, 20190579
DATE: FEB 2026	SCALE: AS SHOWN
DISCIPLINE: CIVIL & STRUCTURAL	

DRAWING STATUS
TENDER DRAWING

DRAWING NUMBER	REVISION
F0447-01-M100-1	T0

REFER TO F0447-01-M100-1

EXISTING ø350mm STORM WATER MAINLINE.

IL 53.67

IL 53.40

IL 53.13

OUTLET LEVEL 54.18

OUTLET LEVEL 54.17

BLOCK OFF STORM WATER PIPE. REROUTE AS INDICATED.

SAW CUT EXISTING SLAB 460mm WIDE FOR PIPE TRENCH AND REINSTATE CONCRETE AS PER APRON DETAIL.

NEW ø160mm CLASS 34 PIPE STORM WATER PIPE.

SAW CUT EXISTING SLAB 460mm WIDE FOR PIPE TRENCH AND REINSTATE CONCRETE AS PER APRON DETAIL.

NEW ø160mm CLASS 34 PIPE STORM WATER PIPE.

13 14 15 16 17 18 19 20 21 22 23 24 25 26

NEW ø160mm CLASS 34 PIPE STORM WATER PIPE.

NEW CP CL 54.95 IL 54.41

NEW CP CL 54.93 IL 54.38

DEMOLISH EXISTING CATCHPITS & REMOVE PIPES.

NEW CP CL 54.90 IL 54.32

NEW CP CL 54.94 IL 54.29

NEW CP CL 54.83 IL 54.36

DEMOLISH EXISTING APRON AND CONSTRUCT NEW CHANNEL TO DETAIL

NEW CP CL 54.90 IL 54.34

NEW CP CL 54.94 IL 54.28

NEW CP CL 54.86 IL 54.31

NEW CP CL 54.89 IL 54.38

RETAIN EXISTING 100x75x6mm SIDE - & WINDOW RAILS.

RETAIN EXISTING 100x75x6mm SIDE - & WINDOW RAILS.

RETAIN EXISTING 100x75x6mm SIDE - & WINDOW RAILS.

RETAIN EXISTING 100x75x6mm SIDE - & WINDOW RAILS.

RETAIN EXISTING 100x75x6mm SIDE - & WINDOW RAILS.

DEMOLISH EXISTING APRON AND CONSTRUCT NEW APRON AND CHANNEL TO DETAIL

Office 404 Concrete 14sqm

Store 607 Concrete 13sqm

CLEAN EXISTING 260x370mm ELECTRICAL DUCT AND REPLACE COVERS WITH 1200x360x4mm CHECKER PLATE PANELS & 30x30x3mm ANGLE FRAME TO LONGITUDINAL EDGE.

CLEAN EXISTING 260x370mm ELECTRICAL DUCT AND REPLACE COVERS WITH 1200x360x4mm CHECKER PLATE PANELS & 30x30x3mm ANGLE FRAME TO LONGITUDINAL EDGE.

CLEAN EXISTING 260x370mm ELECTRICAL DUCT AND REPLACE COVERS WITH 1200x360x4mm CHECKER PLATE PANELS & 30x30x3mm ANGLE FRAME TO LONGITUDINAL EDGE.

Workshop 04 new epoxy 377sqm

Workshop 05 new epoxy 351sqm

Workshop 06 new epoxy 376sqm

REFER TO NOTE B.

REFER TO NOTE B.

REFER TO NOTE B.

REFER TO NOTE B.

REFER TO NOTE B.

REFER TO NOTE A1 & A2.

REFER TO NOTE A1 & A2.

Store 306 Concrete 7sqm

Store 305 Concrete 7sqm

Store 304 Concrete 7sqm

Store 303 Concrete 14qm

Store 401 Concrete 14sqm

Office 402 Vinyl tiles 10sqm

Store 403 Concrete 14sqm

Store 501 Concrete 14sqm

Office 502 Vinyl tiles 10sqm

Store 505 Concrete 14qm

Store 504 Concrete 14qm

Office 601 Concrete 14sqm

Store 602 Concrete 14sqm

Office 603 Vinyl tiles 14sqm

Medical First Aid Room 606 Concrete 8sqm

Store 604 Concrete 7sqm

Store 605 Concrete 13sqm

Covered walkway New Paving 215qm

DEMOLISH BLOCKWORK AND SLAB AND MAKE GOOD

NEW CATCHPIT

CONSTRUCT NEW STORM WATER CATCHPIT OVER EXISTING LINE.

NEW 900mm CONCRETE CHANNEL TO DETAIL.

EXISTING STORM WATER CATCHPIT & CHANNELS.

BLOCK K

Boy's Toilets

EXISTING ø350mm STORM WATER MAINLINE.

BUILDING LAYOUT 2

Scale 1:100 (A1)

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RAFTER 1 - 305x165x41Kg
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RAFTER 3 - 120x55x13 PFC
VERANDA BEAM – 220x80x21kg PFC

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REPLACE ALL BOLTS WITH SIMILAR SIZE GR8.8 GALVANISED BOLTS.

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- BRICKWORK REPAIR
- C2 CONCRETE SOFFIT REPAIRS
- NEW ø110mm uPVC CLASS 34 SEWERLINE
- NEW ø160mm uPVC CLASS 34 STORM WATER

DATE		REVISION	BY
2026.05.25	0	ISSUED FOR TENDER.	HJV
2026.03.13	0	ISSUED FOR INFORMATION.	HJV

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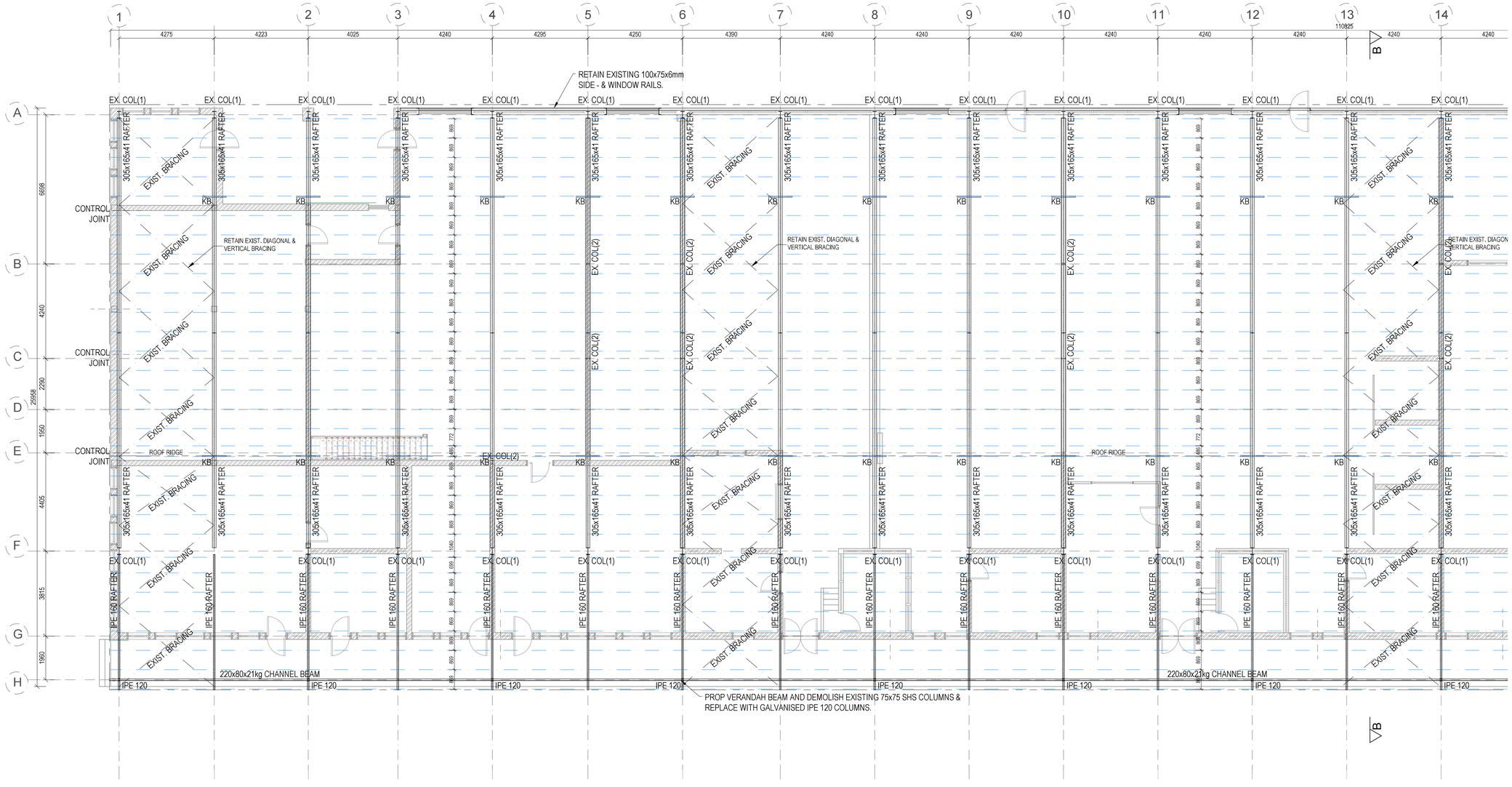
PROJECT
REPAIRS & RENOVATIONS TO REUBIN BIRIN SPECIAL SCHOOL

TITLE
BLOCK M
RENOVATION LAYOUT 2

CIVIL & STRUCTURAL ENGINEER
SKCMasakhizwe Eastern Cape (Pty) Ltd
CONSULTING ENGINEERS
14 QUEENS TERRACE
ALIWAL NORTH
9750
TEL: (051) 634-1847
P.O. BOX 578
ALIWAL NORTH
9750
FAX: (086) 650 7254
Web: www.skcm.co.za
eMail: easterncape@skcm.co.za

DRAWN	CHECKED	DESIGNED
HJV	MLX	AMP

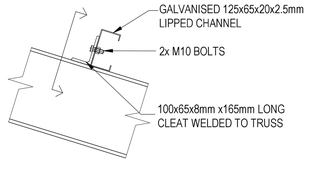
APPROVED: M.J. LE ROUX Pr Eng, 20000187
DESIGNED: A.M. PRINSLOO Pr Eng, 20190579
DATE: FEB 2026
SCALE: AS SHOWN
DISCIPLINE: CIVIL & STRUCTURAL
DRAWING STATUS: TENDER DRAWING
DRAWING NUMBER: F0447-01-M100-2
REVISION: T0



NORTH

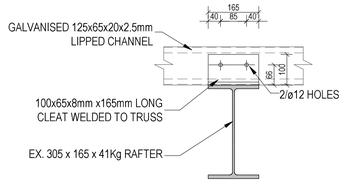
BUILDING ROOF LAYOUT 1

Scale 1:75 (A1)



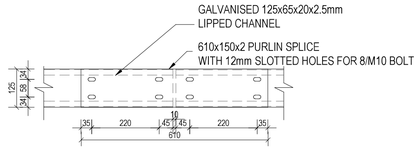
TYPICAL PURLIN & GIRT CONNECTION

SCALE 1:10 (A1)



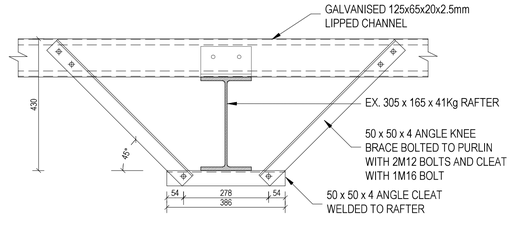
TYPICAL PURLIN & GIRT CONNECTION SECTION

SCALE 1:10 (A1)



TYPICAL PURLIN CONTINUITY SPLICE PLATE

SCALE 1:10 (A1)



KNEE BRACE CONNECTION SECTION

SCALE 1:10 (A1)

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REFER TO F0447-01-M101-2

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PROJECT
REPAIRS & RENOVATIONS TO REUBIN BIRIN SPECIAL SCHOOL

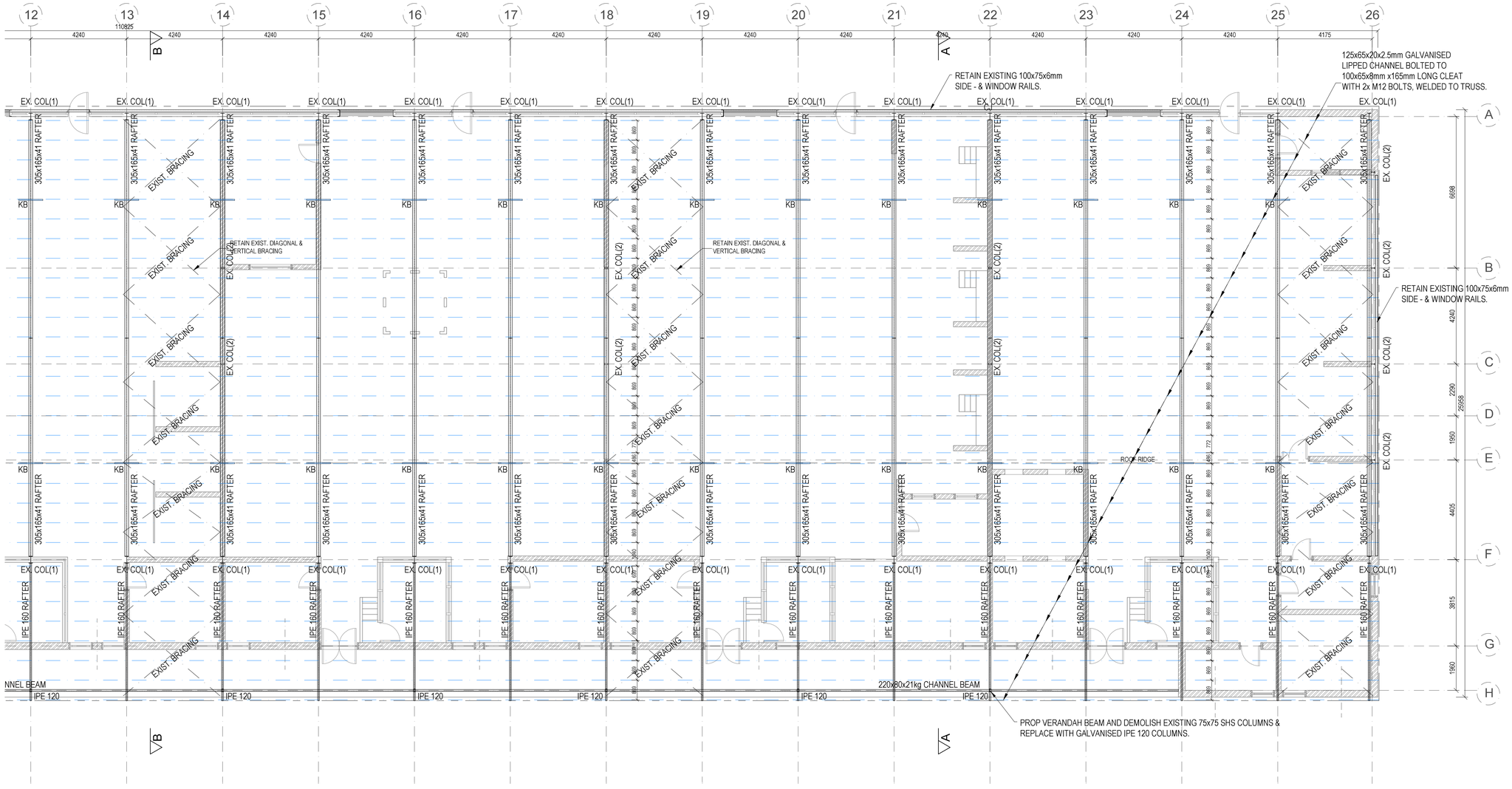
TITLE
BLOCK M RENOVATION ROOF LAYOUT 1 & DETAILS

CIVIL & STRUCTURAL ENGINEER
SKCMasakhizwe Eastern Cape (Pty) Ltd
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14 QUEENS TERRACE
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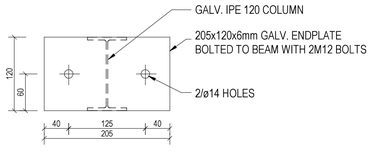
APPROVED: MJ.J. LE ROUX Pr Eng, 20000187
DESIGNED: AJM. PRINSLOO Pr Eng, 20190579
DATE: FEB 2026
SCALE: AS SHOWN
DISCIPLINE: CIVIL & STRUCTURAL
DRAWING STATUS: TENDER DRAWING
DRAWING NUMBER: F0447-01-M101-1
REVISION: T0

REFER TO F0447-01-M101-1



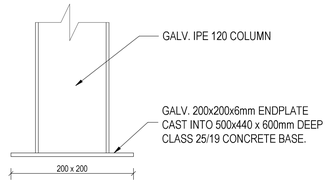
BUILDING ROOF LAYOUT 2

Scale 1:75 (A1)



VERANDA COLUMN ENDPLATE

SCALE 1:5 (A1)



VERANDA COLUMN BASEPLATE

SCALE 1:5 (A1)

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PROJECT
REPAIRS & RENOVATIONS TO REUBIN BIRIN SPECIAL SCHOOL

TITLE
BLOCK M
RENOVATION ROOF LAYOUT 2 & DETAILS

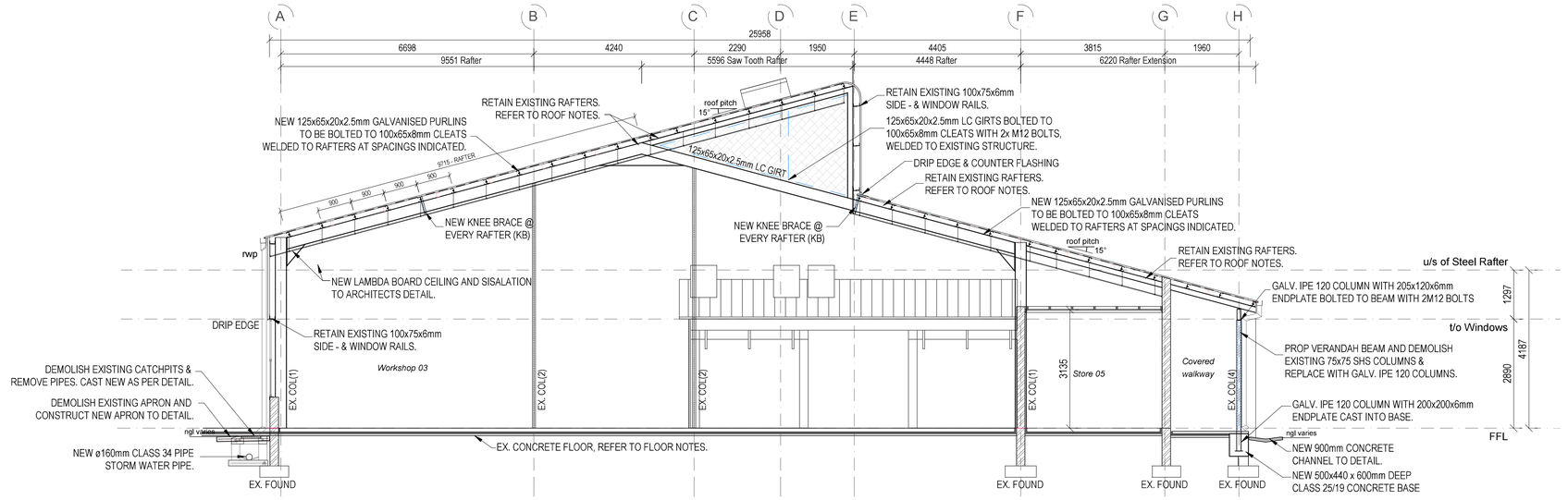
CIVIL & STRUCTURAL ENGINEER
SKCMasakhizwe Eastern Cape (Pty) Ltd
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HJV	MLX	AMP

APPROVED	DESIGNED
MJ.L LE ROUX Pr Eng. 20000187	AJM. PRINSLOO Pr Eng. 20190579
DATE: FEB 2026	SCALE: AS SHOWN
DISCIPLINE: CIVIL & STRUCTURAL	

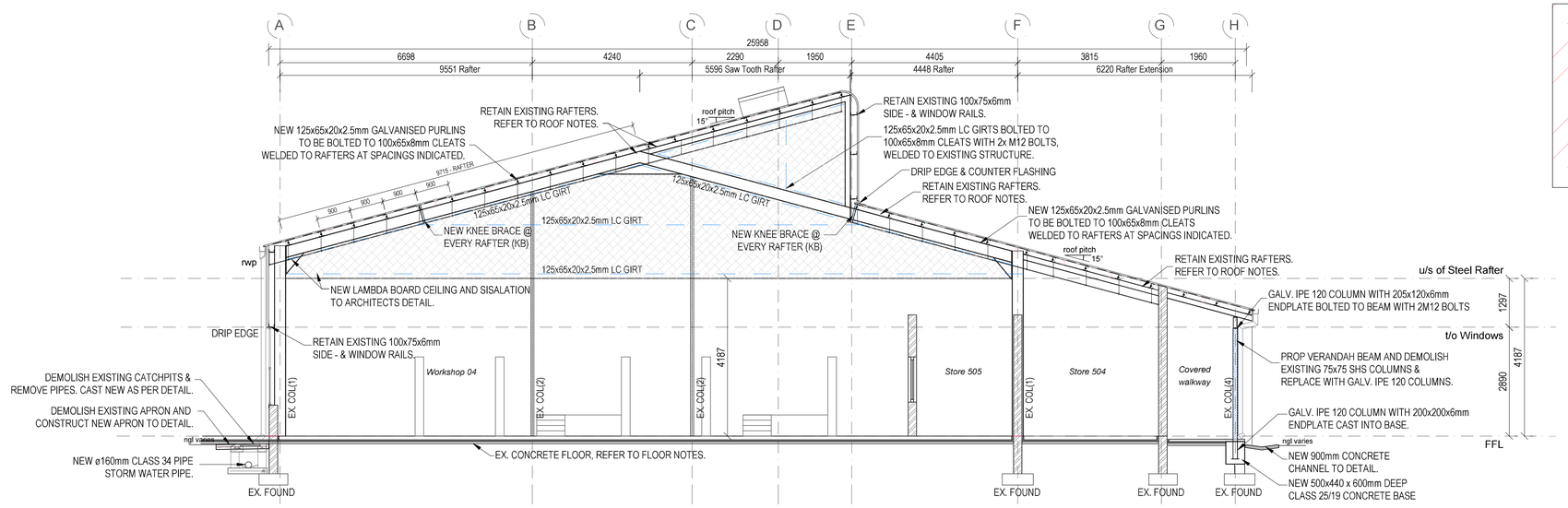
DRAWING STATUS
TENDER DRAWING

DRAWING NUMBER	REVISION
F0447-01-M101-2	T0



SECTION A-A

Scale 1:75 (A1)



SECTION B-B

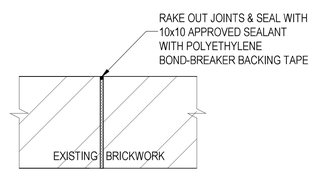
Scale 1:75 (A1)

1400mm APRON DETAIL

SCALE 1:10 (A1)

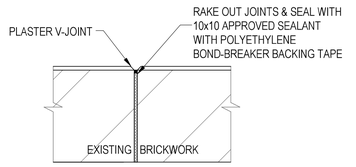
900mm CHANNEL DETAIL

SCALE 1:10 (A1)



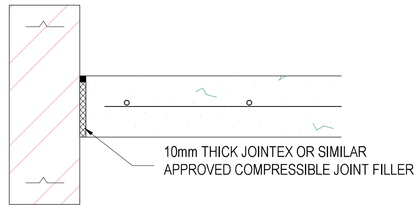
CONTROL JOINT DETAIL (UNPLASTERED)

SCALE 1:10 (A1)



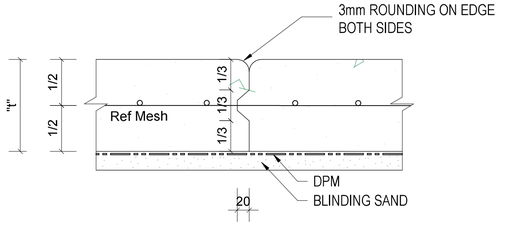
CONTROL JOINT DETAIL (PLASTERED)

SCALE 1:10 (A1)



ISOLATION JOINT DETAIL

SCALE 1.5 (A1)



TYPICAL CONSTRUCTION JOINT SECTION

SCALE 1.5 (A1)

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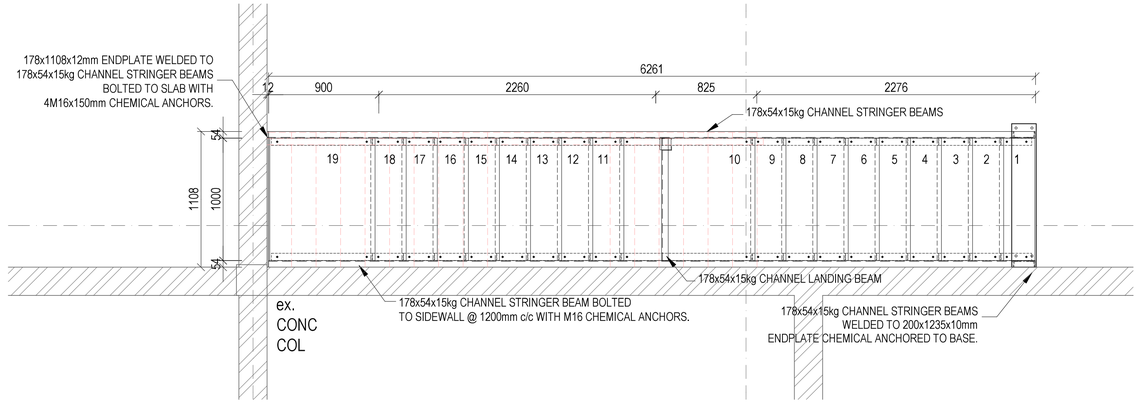
PROJECT
REPAIRS & RENOVATIONS TO REUBIN BIRIN SPECIAL SCHOOL

TITLE
BLOCK M
RENOVATION SECTIONS & DETAILS

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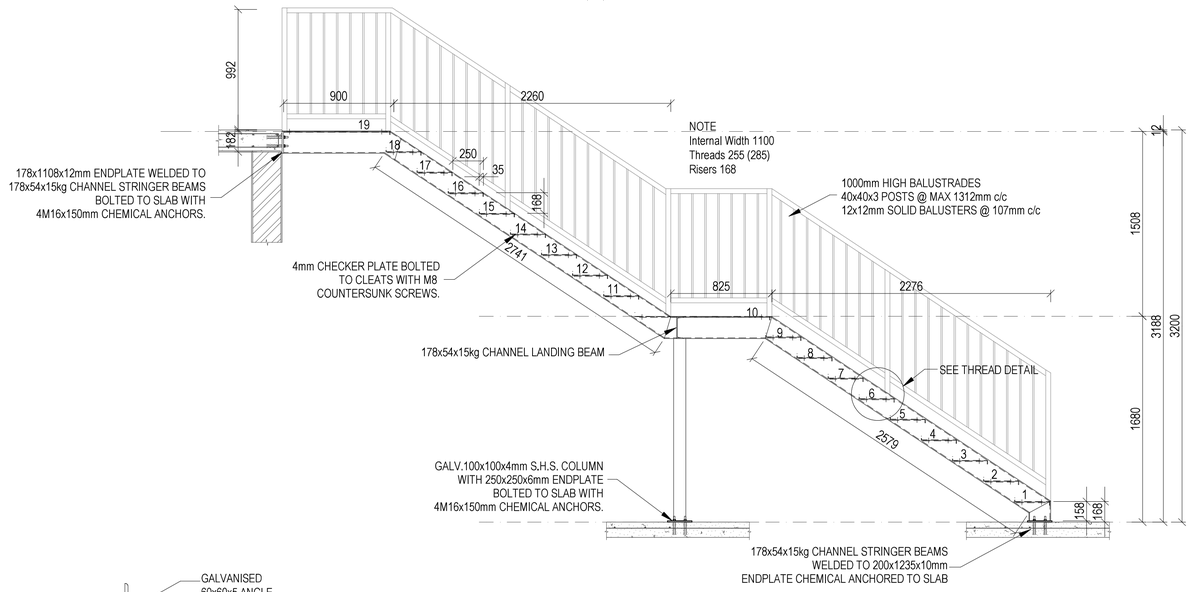
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DESIGNED: A.M. PRINSLOO Pr Eng. 20190579
DATE: FEB 2026
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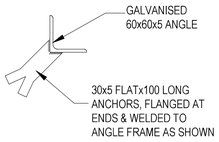
STEEL STAIRCASE LAYOUT

Scale 1:25 (A1)



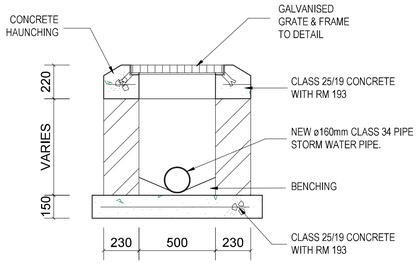
STEEL STAIRCASE SECTION

Scale 1:25 (A1)



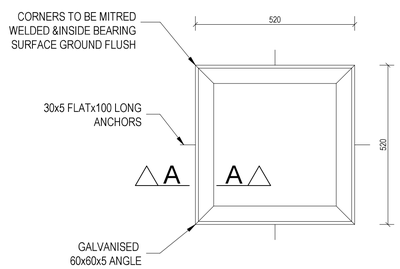
SECTION A-A

SCALE 1:5 (A1)



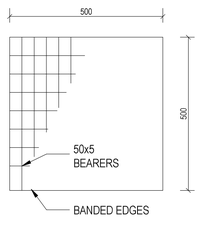
TYPICAL CATCHPIT WITH OPEN GRATE & FRAME

SCALE 1:20 (A1)



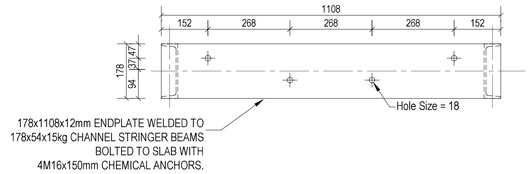
STANDARD STORMWATER GRATING & FRAME

SCALE 1:10 (A1)



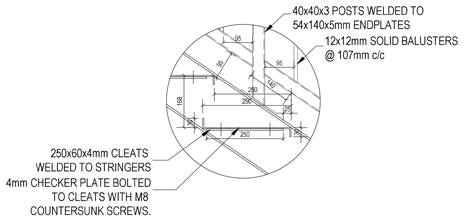
MENTIS 'GRIPWELD' TYPE B60 - GALVANISED

SCALE 1:10 (A1)



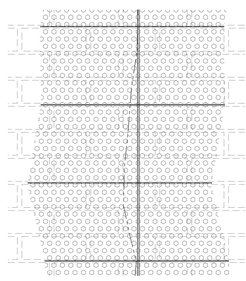
STRINGER ENDPLATE LAYOUT

Scale 1:10 (A1)

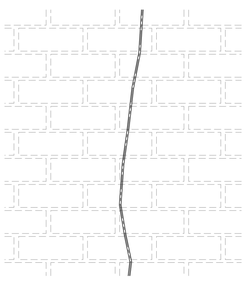


STAIRCASE THREAD DETAIL

Scale 1:10 (A1)



MAJOR CRACKS (> 5mm)



MINOR CRACKS (< 5mm)

MAJOR CRACKS (> 5mm)

A. RAKE OPEN CRACKS, REMOVE ALL PEELING AND FLAKING PAINT.
B. OPEN MORTAR BED AND PLACE 40x10mm GALVANISED FLATBAR (600mm LONG) INTO MORTAR BEDS EVERY THIRD COURSE. REGROUT TO SECURE.
C. PLACE CHICKEN MESH 300mm OVER CRACK.
D. FILL CRACKS WITH POLYCELL POLYFILLA MENDALL 90. SCRATCH OFF EXCESS MATERIAL ON EITHER SIDE OF THE JOINT.
E. REPLASTER AND CREATE NEW 5mm ROUNDED JOINT IN NEW PLASTER.
F. SAND THE REPAIRED AREA LIGHTLY TO MATCH ADJACENT MATERIAL IN TEXTURE.
G. APPLY ONE COAT OF PLASCON MULTISEAL OVER THE REPAIRED AREA AND ALLOW TO DRY FOR 4 H.
H. FINISH WITH TWO COATS OF PLASCON AS PER ARCHITECTS SPEC OVER CRACK AND A FINAL COAT OVER THE WALL PANEL.

MINOR CRACKS (< 5mm)

A. RAKE OPEN CRACKS TO A MINIMUM OF 3mm WIDE AND DEEP, REMOVE ALL PEELING AND FLAKING PAINT. ALL SURFACE MUST BE CLEAN, FIRM AND DRY.
B. PRIME INSIDE OF CRACK WITH PLASCON PLASTER PRIMER AND ALLOW TO DRY FOR 16 H.
C. FILL CRACKS WITH POLYFILLA READY MIXED CRACK FILLER OR POLYCELL POLYFILLA MENDALL 90. SCRATCH OFF EXCESS MATERIAL ON EITHER SIDE OF THE JOINT.
D. SAND THE REPAIRED AREA LIGHTLY TO MATCH ADJACENT MATERIAL IN TEXTURE.
E. APPLY ONE COAT OF PLASCON MULTISEAL OVER THE REPAIRED AREA AND ALLOW TO DRY FOR 4 H.
F. FINISH AS PER ARCHITECTS SPEC OVER CRACK AND A FINAL COAT OVER THE WALL PANEL.

GENERAL NOTES

1. ALL WORK TO BE EXECUTED IN STRICT COMPLIANCE WITH SABS 10400 and SANS 2001.
2. ALL LOADS IN ACCORDANCE WITH SANS 10160 PERMISSIBLE SUPERIMPOSED LOADS.
3. ALL DIMENSIONS TO BE CHECKED ON THE SITE AND ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER IMMEDIATELY BEFORE COMMENCING WITH ANY WORK.
4. WRITTEN DIMENSIONS TO BE USED IN PREFERENCE TO SCALED DIMENSIONS.
5. DRAWINGS MAY NOT BE SCALED FROM PRINTS DUE TO DISTORTION OF PRINTS.
6. REFER TO STANDARD CONSTRUCTION NOTES.

NOTES

COL 1 - 305x165x41Kg
COL 2 - IPE 160
COL 3 - 300x100x46Kg TFC
COL 4 – 75x75x4mm SHS TO BE REPLACED WITH IPE 120 SECTIONS.
RAFTER 1 - 305x165x41Kg
RAFTER 2 - IPE 160
RAFTER 3 - 120x55x13 PFC
VERANDA BEAM – 220x80x21kg PFC

RETAIN ALL INTERNAL COLUMNS, RAFTERS, SIDE RAILS AND BRACING.
REPLACE ALL PURLINS INTERNALLY AND EXTERNALLY.
REPLACE ALL 50x50x5mm KNEE BRACING.
REPLACE ALL BOLTS WITH SIMILAR SIZE GR8.8 GALVANISED BOLTS.

DRAWING LEGEND

- EXIST. BRICKWORK: NOTE A & B
- NEW BRICKWORK: NOTE C
- EXIST. CONCRETE
- NEW CONCRETE
- NEW STRUCTURAL STEEL(PLAN)
- BRICKWORK REPAIR
- C2 CONCRETE SOFFIT REPAIRS
- NEW ø110mm uPVC CLASS 34 SEWERLINE
- NEW ø160mm uPVC CLASS 34 STORM WATER

DATE		REVISION	BY
2026.05.25	0	ISSUED FOR TENDER.	HJV
2026.03.13	0	ISSUED FOR INFORMATION.	HJV

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EASTERN CAPE DEPARTMENT OF EDUCATION

IMPLEMENTING AGENT
DISABILITY ECONOMIC EMPOWERMENT TRUST

PROJECT
REPAIRS & RENOVATIONS TO REUBIN BIRIN SPECIAL SCHOOL

TITLE
BLOCK M
RENOVATION DETAILS

CIVIL & STRUCTURAL ENGINEER
SKCM
SKCMasakhizwe Eastern Cape (Pty) Ltd
CONSULTING ENGINEERS
14 QUEENS TERRACE
ALIVAL NORTH
9750
TEL: (051) 634-1847
P.O. BOX 578
ALIVAL NORTH
9750
FAX: (086) 650 7254
Web: www.skcm.co.za
eMail: easterncape@skcm.co.za

DRAWN	CHECKED	DESIGNED
HJV	MLX	AMP

APPROVED	DESIGNED
M.J.LE ROUX Pr Eng. 20000167	A.M. PIRNBLOG Pr Eng. 20190579
DATE: FEB 2026	SCALE: AS SHOWN
DISCIPLINE: CIVIL & STRUCTURAL	
DRAWING STATUS: TENDER DRAWING	

DRAWING NUMBER	REVISION
F0447-01-M103	T0

CONSTRUCTION NOTES:

(ALL TO BE READ IN CONJUNCTION WITH ARCHITECTS SPECIFICATION.)

ROOF:

A. REMOVE ALL ROOF SHEETING AND PURLINS.
B. ALL EXPOSED COLUMNS, RAFTERS AND BEAMS SHALL BE PREPARED IN ACCORDANCE WITH SANS 10064 BY AN APPROVED MECHANICAL CLEANING PROCESS TO GRADE St.2 STANDARD.
C. NEW 125x65x20x2.5mm GALVANISED PURLINS TO BE BOLTED TO 100x65x8mm CLEATS WELDED TO RAFTERS AT SPACINGS INDICATED.
D. ALL STRUCTURAL STEELWORK SHALL BE TREATED WITH ONE COAT OF PRIMER IN ACCORDANCE WITH SANS 679 TYPE 1.
E. AFTER PRIMER ALL STRUCTURAL STEELWORK, TWO COATS OF ALKYD BASE RESIN PAINT FOR STRUCTURAL STEELWORK, COMPLYING WITH RQ. OF SABS 684 TYPE B, SHALL BE APPLIED TO MANUFACTURERS SPECIFICATION.
F. ALL EXISTING BOLTS TO BE REPLACED WITH SIMILAR SIZE GR8.8 GALVANISED BOLTS.

WALLS:

NOTE A1: (EXPOSED FACEBRICK)

A. DETERIORATED MORTAR TO BE CAREFULLY RAKED OUT TO A DEPTH OF APPROXIMATELY 15mm.
B. CLEAN EXPOSED JOINTS THOROUGHLY BY USING A WIRE BRUSH AND WATER TO REMOVE DUST AND DEBRIS.
C. NEW 1:4 MORTAR JOINTS, MATCHING THE ORIGINAL IN COLOUR, TEXTURE, AND COMPOSITION TO BE APPLIED.
D. ALL NEW JOINTS TO BE TOOLED TO MATCH THE EXISTING FINISH, WHETHER FLUSH, RAKED, OR WEATHERED, TO ENSURE A CONSISTENT AND VISUALLY COHESIVE APPEARANCE.

NOTE A2: (PLASTERED FACEBRICK)

A. CLEAN ALL FACEBRICKS WITH HIGH PRESSURE CLEAINING TO REMOVE ALL LOOSE MORTAR, SALT DEPOSITS, ALGEA OR MOSS OR ANY OTHER CONTAMINENTS.
B. DETERIORATED MORTAR TO BE REPAIRED AS PER NOTE A1.
C. THE SURFACE SHALL BE COVERED WITH A SPATTERDASH LAYER THAT COMPRISES ONE PART CEMENT TO ONE AND A HALF PARTS OF COARSE SAND, WITH ENOUGH WATER TO PROVIDE A SLUGGISH POURABLE CONSISTENCY. THE APPLICATION OF THE SPATTERDASH SHALL RESULT IN THE ENTIRE SUBSTRATE HAVING A ROUGH TEXTURE WITH NODULES APPROXIMATELY 5mm HIGH AND NO FURTHER THAN 50mm APART. THE SPATTERDASH SHALL BE KEPT MOIST FOR AT LEAST 3 D AFTER BEING APPLIED TO A SUBSTRATE.
D. FINISH WITH FINAL PLAST COAT AS PER SANS 2001: EM1.

NOTE B: (EXISTING INTERNAL PLASTER)

A. REMOVE ALL PEELING AND FLAKING PAINT. IDENTIFY AND CATEGORISE ALL CRACKS. REFER STRUCTURAL OR ACTIVE CRACKS TO THE ENGINEER BEFORE REPAIR.
B. WHERE NECESSARY LOOSE AND HOLLOW PLASTER IS TO BE CHIPPED OFF OF WALLS.
C. BREAK OUT ALL LOOSE AND HOLLOW PLASTER AT LEAST 200mm WIDE ALL-AROUND LOOSE PLASTER AREA, BRUSH CLEAN OF ALL LOOSE MATERIAL.
D. FILL FINE CRACKS (<1 mm) WITH APPROVED HIGH-BUILD ACRYLIC FILLER; MEDIUM CRACKS (1–3 mm) WITH NON-SHRINK, POLYMER-MODIFIED FILLER, APPLIED IN LAYERS AS REQUIRED.
E. TREAT EXPOSED AREA WITH AN ADHESIVE SLURRY AND PLASTER WITH AN ADMIXTURE OF 3:1 SAND/CEMENT AND 3:1 WATER/ADHESIVE SLURRY.
F. DO NOT PERFORM EXTERNAL REPAIRS IN ADVERSE WEATHER (RAIN, HIGH HUMIDITY, SUBSTRATE <10°C).
G. ALL PLASTER REPAIR ADMIXTURES ARE TO BE APPLIED STRICTLY IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
H. SAND THE REPAIRED AREA LIGHTLY TO MATCH ADJACENT MATERIAL IN TEXTURE.
I. FINISH WITH TWO COATS OF ARCHITECTS SPEC OVER CRACK AND A FINAL COAT OVER THE WALL PANEL.

NOTE B: (FACEBRICK REPAIR)

CRACKS WHICH ARE SMALLER THAN 10mm IN WIDTH AND WHERE LARGE DEFORMATIONS ARE EXPECTED IN THE FUTURE, MAY BE REPAIRED BY STITCHING WITH STEEL REINFORCEMENT AS DESCRIBED BELOW:

A. REMOVE PLASTER IN THE DIRECT VICINITY OF THE CRACK.
B. USE A SMALL ANGLE GRINDER TO CUT A SHARP EDGE WHERE THE PLASTER BEGINS.
C. BEND A 500mm LONG, 6mm DIAMETER ROD INTO A STAPLE SO THAT THE ENDS OF THE STAPLE ARE ABOUT 100mm LONG AND THE STAPLE HAS A LENGTH OF ABOUT 300mm.
D. EPOXY THE ENDS OF STAPLES INTO PREDRILLED HOLES IN THE WALL ON EITHER SIDE OF CRACK SO THAT THE STAPLE IS APPROXIMATELY AT RIGHT ANGLES TO THE CRACK.
E. REPEAT STEPS 3 TO 4 SO THAT STAPLES ARE INSTALLED ALONG THE LENGTH OF THE CRACK, ABOUT 200mm APART.
F. WHERE POSSIBLE, GROUT UP THE CRACK.
G. FIX A PIECE OF METAL LATH IN THE AREA USING STEEL NAILS.
H. REPLASTER AND REPAINT THE AFFECTED AREA.

IN FACE MASONRY, IT IS POSSIBLE TO STITCH DIAGONAL CRACKS BY EPOXYING 6mm RODS IN BED JOINTS IN A SIMILAR MANNER TO THAT DESCRIBED ABOVE.

EXCESSIVE CRACKS

a.WHERE CRACK WIDTHS EXCEED 10mm OR IN AREAS WHERE THE WALL HAS CRUMBLED INTO SMALL BLOCKS REQUIRING EXTENSIVE REPAIR WORK, OR WHERE WALLS HAVE LEANED OR BULGED, SECTIONS OF WALL SHOULD BE BROKEN OUT AND REPLACED.

REPAIR OF EXPOSED CONCRETE CEILINGS - C2

A. REMOVE ALL LOOSE OR DAMAGED MATERIAL, INCLUDING FLAKING PAINT, DELAMINATED PLASTER, AND DETERIORATED CONCRETE. MECHANICALLY SCRAPE AND WIRE-BRUSH THE CONCRETE CEILING TO EXPOSE A CLEAN, SOUND SUBSTRATE IN ACCORDANCE WITH SANS2001:EM1
B. REPAIR CONCRETE DEFECTS, SUCH AS CRACKING, HONEYCOMBING, AND SPALLING. REMOVE ALL UNSOUND CONCRETE, CLEAN EXPOSED SURFACES, AND REINSTATE USING AN APPROVED STRUCTURAL REPAIR MORTAR (E.G., PRO-STRUCT, SIKA, A.B.E. CONSTRUCTION CHEMICALS). CURE REPAIRS STRICTLY AS PER THE MANUFACTURER'S SPECIFICATIONS AND RELEVANT SANS REQUIREMENTS.
C. FINISH IN COMPLIANCE WITH THE ARCHITECT'S SPECIFICATION. CONFIRM THAT ALL PLASTER AND REPAIR MATERIALS HAVE FULLY CURED BEFORE APPLYING PAINT TO ACHIEVE A DURABLE AND UNIFORM FINISH.

WALL CONTROL JOINTS:

A. DETERIORATED SEALANT AND BACKER MATERIAL TO BE REMOVED FROM THE JOINT.
B. THE JOINT SURFACES TO BE CLEANED THOROUGHLY BY REMOVING DUST, DEBRIS, AND ANY REMAINING SEALANT RESIDUE.
C. ONCE CLEAN, A SUITABLE BACKER ROD SHALL BE INSERTED TO THE APPROPRIATE DEPTH, FOLLOWED BY THE APPLICATION OF A HIGH-QUALITY, FLEXIBLE JOINT SEALANT COMPATIBLE WITH THE WALL MATERIAL.
D. THE SEALANT SHALL BE TOOLED TO ENSURE PROPER ADHESION TO THE JOINT SIDES AND A SMOOTH, WEATHER-TIGHT FINISH.
E. ALL REPAIRS MUST RESTORE THE JOINT'S ABILITY TO ACCOMMODATE THERMAL AND STRUCTURAL MOVEMENT WITHOUT COMPROMISING THE INTEGRITY OF THE WALL.
F. WHERE SURFACES ARE TO BE PLASTERED, A V-JOINT SHOULD BE FORMED AROUND THE JOINT.

WINDOWS:

A. ALL WINDOW OPENINGS SHALL BE THOROUGHLY INSPECTED TO VERIFY THE PRESENCE AND CONDITION OF LINTELS.
B. WHERE LINTELS ARE MISSING, INADEQUATELY SIZED, OR STRUCTURALLY COMPROMISED, APPROPRIATE CORRECTIVE MEASURES MUST BE TAKEN TO ENSURE THE STRUCTURAL INTEGRITY OF THE WALL ABOVE THE OPENINGS.

FLOORS: EXISTING

A. ALL EXISTING FLOORING MATERIALS, ADHESIVES, AND RESIDUES MUST BE FULLY REMOVED TO EXPOSE A CLEAN CONCRETE SURFACE.
B. THE CONCRETE SHALL BE INSPECTED FOR CRACKS, SPALLS, OR SURFACE DEFECTS.
C. ANY CRACKS IDENTIFIED SHALL BE ASSESSED TO DETERMINE THEIR CAUSE AND SEVERITY.
D. REMEDIAL WORKS MAY INCLUDE CRACK CHASING AND SEALING WITH APPROPRIATE EPOXY OR POLYURETHANE FILLERS, OR PATCH REPAIRS USING SUITABLE CONCRETE REPAIR MORTAR.
E. THE FLOOR SURFACE SHALL BE PREPARED AND FINISHED TO A CLEAN, SMOOTH, AND STABLE CONDITION, SUITABLE FOR THE APPLICATION OF NEW FLOOR COVERINGS OR FINISHES.

SEWER:

A. ALL SEWER MANHOLES AND DRAINAGE LINES TO BE CLEARED BY MECHANICAL OR MANUAL RODDING TOOLS TO REMOVE OBSTRUCTIONS SUCH AS SILT, DEBRIS, ROOTS, OR FOREIGN OBJECTS. LONGER OR SEVERELY BLOCKED PIPES, SHOULD BE CLEARED BY USING HIGH-PRESSURE WATER JETTING EQUIPMENT FROM THE NEAREST OUTFLOW MANHOLE.
B. EXISTING BENCHING TO BE INSPECTED FOR CRACKING OR MISSING SECTIONS AND RECTIFIED WHERE REQUIRED WITH GRANOLITHIC CONCRETE WITH A MINIMUM THICKNESS OF 20mm AND SHALL BE FINISHED SMOOTH AND TRUE WITH A STEEL TROWEL, AND ALL CORNERS SHALL BE ROUNDED.
C. ALL INTERNAL SEWER DRAINAGE LINES TO BE REPLACED WITH uPVC CLASS 34 PIPE TO NEAREST CONNECTION MANHOLE.
D. ALL GULLEYS AND DRAINAGE LINES TO BE REPLACED.
E. ALL WASTE PIPES TO BE REPLACED.

STORM WATER:

A. ALL STORM WATER MANHOLES AND DRAINAGE LINES TO BE CLEARED BY MECHANICAL OR MANUAL RODDING TOOLS TO REMOVE OBSTRUCTIONS SUCH AS SILT, DEBRIS, ROOTS, OR FOREIGN OBJECTS. LONGER OR SEVERELY BLOCKED PIPES, SHOULD BE CLEARED BY USING HIGH-PRESSURE WATER JETTING EQUIPMENT.
B. EXISTING BENCHING TO BE INSPECTED FOR CRACKING OR MISSING SECTIONS AND RECTIFIED WHERE REQUIRED WITH GRANOLITHIC CONCRETE WITH A MINIMUM THICKNESS OF 20mm AND SHALL BE FINISHED SMOOTH AND TRUE WITH A STEEL TROWEL, AND ALL CORNERS SHALL BE ROUNDED.

GENERAL NOTES

1.THIS DRAWING IS COPYRIGHT RESERVED AND REMAINS THE PROPERTY OF SKCM.
2.WRITTEN DIMENSIONS TO BE USED IN PREFERENCE TO SCALED DIMENSIONS.
3.DRAWINGS MAY NOT BE SCALED FROM PRINTS DUE TO DISTORTION OF PRINTS.

STANDARD BRICKWORK NOTES

1. ALL BRICKWORK SHALL BE IN ACCORDANCE WITH SANS 2001-CM1-1.
2. BRICKWORK TO HAVE NOMINAL COMPRESSIVE STRENGTH OF 14 MPa.
3. INSTALL FABRIC BRICK REINFORCEMENT IN EVERY COURSE BELOW DPC, EVERY 2 COURSES ABOVE DPC AND IN EVERY COURSE FOR FIVE COURSES ABOVE LINTOL HEIGHT.
4. MORTAR FOR BRICKWORK TO BE CLASS II MORTAR AND IN ACCORDANCE WITH SANS 10164 PART I - Table 1.

STANDARD CONCRETE NOTES:

1. ALL CONCRETE TO BE IN ACCORDANCE WITH SANS 2001-CC1.
2. ALL CONCRETE TO BE STRENGTH CONCRETE.
3. GRADES OF CONCRETE:
   MASS CONCRETE 15/19
   FLOORS 25/19

STANDARD REINFORCING NOTES:

1. STRENGTH OF REINFORCEMENT:

REFERENCE	TYPE	STRENGTH (MPa)
R	A	250
Y	C	450

2. CONCRETE COVER (mm)

	EXTERNAL	INTERNAL
SLABS	40	30

3. ALL BENDING OF REINFORCEMENT TO BE IN ACCORDANCE WITH SABS 82
4. ALL PLACING OF REINFORCEMENT TO BE IN ACCORDANCE WITH SABS 0144.
5. MINIMUM SPLICE LENGTHS:
   8 mm Ø = 400 mm
   10 mm Ø = 500 mm
6. ALL REINFORCING TO BE INSPECTED AND APPROVED BY ENGINEER BEFORE PLACING CONCRETE.

STANDARD STRUCTURAL STEEL NOTES:

1. ALL DIMENSIONS MUST BE CAREFULLY CHECKED ON SITE BEFORE COMMENCING WITH THE MANUFACTURE OF ANY STRUCTURAL STEELWORK.
2. ALL STRUCTURAL STEELWORK SHALL BE IN ACCORDANCE WITH SABS 1200 H.
3. ALL STRUCTURAL STEEL AND HOLLOW SECTIONS SHALL BE IN GRADE S355-JR IN ACCORDANCE WITH SANS 1431. COLD-FORMED SECTIONS SHALL BE IN GRADE S235-JR.
4. ALL WELDS SHALL BE AT LEAST 6mm CONTINUOUS FILLET WELDS UNLESS OTHERWISE SPECIFIED AND THE STRENGTH OF ALL WELDS SHALL BE EQUAL TO THE STRENGTH OF THE ELEMENTS WHICH THE WELDS INTERCONNECT IN ACCORDANCE WITH SANS 10044.
5. ALL BOLTS, UNLESS OTHERWISE SPECIFIED SHALL BE ISOMETRIC BLACK BOLTS OF GRADE 4.8 IN ACCORDANCE WITH SANS 135.
6. ALL HSFG BOLTS SHALL BE OF GRADE 10.95 IN ACCORDANCE WITH SANS 1282.
7. ALL PURLINS AND CLADDING RAILS ARE TO BE FABRICATED IN SECTIONS CONTINUOUS OVER AT LEAST 2 SPANS. JOINTS MUST BE STAGGERED WITH MAXIMUM LENGTHS ON BOTH SIDES.
8. ALL OPEN ENDS OF HOLLOW SECTION SHALL BE SEALED WITH 3mm PLATE.
9. ALL STEELWORK SURFACES TO BE PAINTED SHALL BE PREPARED IN ACCORDANCE WITH SABS 1200 HC AND SECTION PSHC OF THE SPECIFICATION.
10. ALL HOLDING DOWN BOLTS SHALL BE OF TYPE 'UKA 3 M12' BOLT WITH HOLDING DOWN LENGTH OF 110mm OR AS INDICATED BY ENGINEER.
11. ALL TEMPORARY BRACING TO BE DESIGNED IN CONSULTATION WITH THE ENGINEER
12. THE CONTRACTOR MUST PROVIDE WORKSHOP DRAWINGS OF ALL STRUCTURAL STEELWORK AND ALLOW 5 WORKING DAYS FOR APPROVAL THEREOF BY THE ENGINEER.

DATE		REVISION	BY
2026.05.25	0	ISSUED FOR TENDER.	HJV
2026.03.13	0	ISSUED FOR INFORMATION.	HJV

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IMPLEMENTING AGENT
DISABILITY ECONOMIC EMPOWERMENT TRUST

PROJECT
REPAIRS & RENOVATIONS TO REUBIN BIRIN SPECIAL SCHOOL

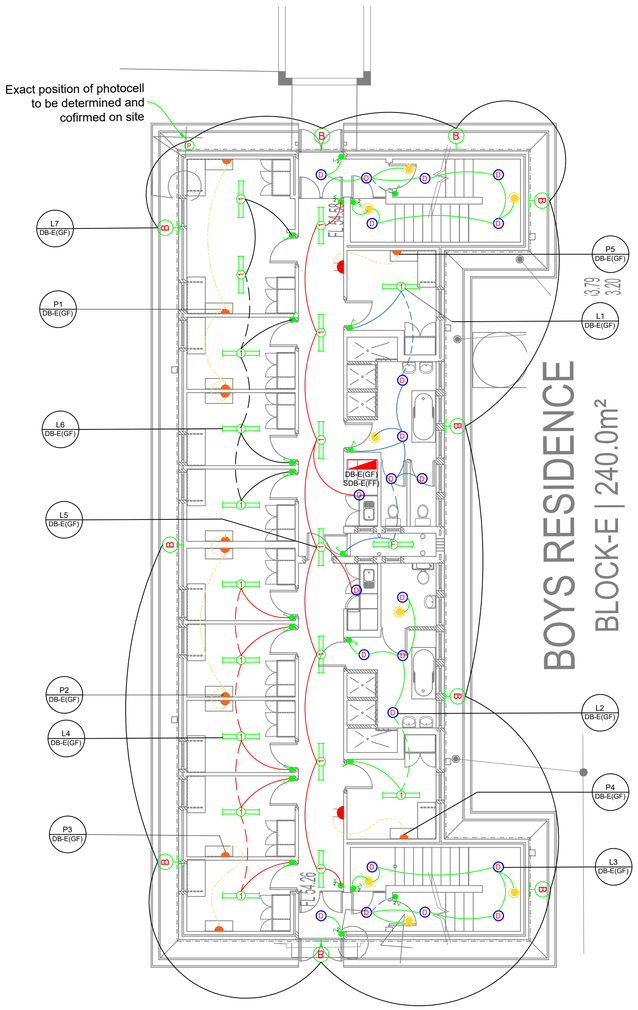
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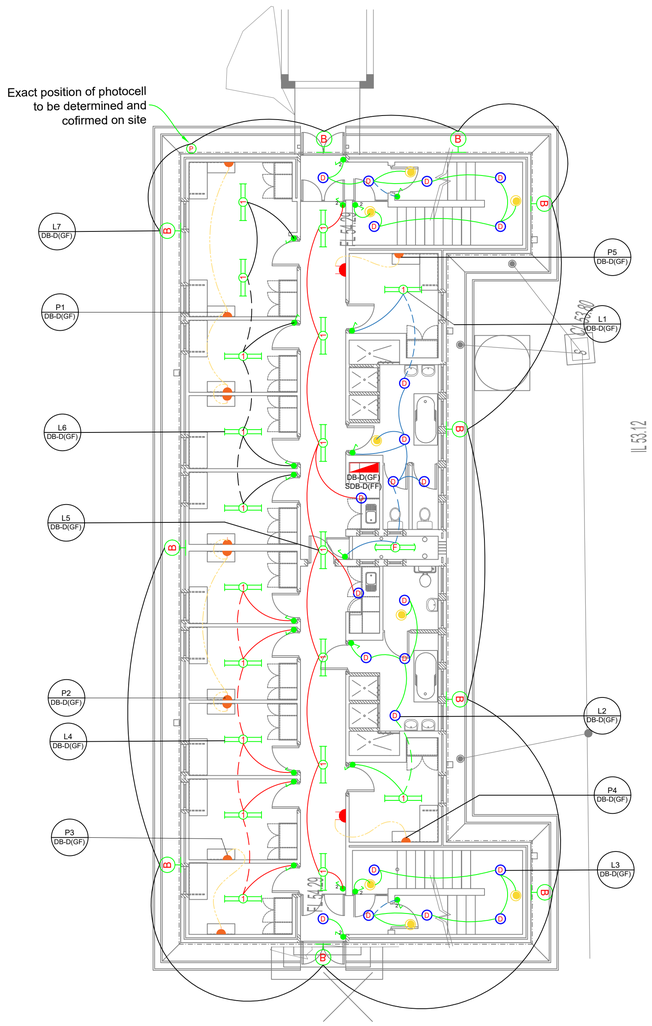
CIVIL & STRUCTURAL ENGINEER
SKCMasakhizwe Eastern Cape (Pty) Ltd
CONSULTING ENGINEERS
14 QUEENS TERRACE, ALIWAL NORTH, 9750
TEL: (051) 634-1847
P.O. BOX 578, ALIWAL NORTH, 9750
FAX: (086) 650 7254
Web: www.skcm.co.za
eMail: easterncape@skcm.co.za

DRAWN	CHECKED	DESIGNED
HJV	MLX	AMP

APPROVED: M.J.LE ROUX Pr Eng, 20000187
DESIGNED: A.M. PIENSLOO Pr Eng, 20190579
DATE: FEB 2026
SCALE: N.T.S. A3
DESCIPLINE: CIVIL & STRUCTURAL
DRAWING STATUS: TENDER DRAWING
DRAWING NUMBER: F0447-01-M200
REVISION: T0

ELECTRICAL AND MECHANICAL





ELECTRICAL LEGEND

SYMBOL	DISCREPTION
1	TYPE 1: SURFACE MOUNTED 1500mm, SINGLE OPEN T8 LED BATTEN LUMINAIRE WITH 2 x 24W T8 LED. MES/MERIZE: ML-OC-4FT-IP20-1 or similar approved of equal quality and performance.
2	TYPE 2: 72W - 1200m x 600mm RECESSED LED FLAT PANEL LUMINAIRE COMPLETE WITH 3m LONG CAB/TYRE CORD PROVIDED WITH A 5A PLUG TOP. MES/MERIZE: ML-MTR-72W-1200x600-CCT similar approved of equal quality and performance.
P	TYPE P: SURFACE MOUNTED VAPOUR-PROOF LUMINAIRE WITH OPAQUE/FROSTED DIFFUSER AND 2 x 24W T8 LED LAMPS MES/MERIZE: ML-VPO-5FT-IP65 similar approved of equal quality and performance.
A	SURFACE WALL MOUNTED BULKHEAD WITH 4.5W E27 CANDLE 4000K LED LAMP IP54 COMPLETE WITH OVAL EYELID WHITE VOLTEX LIGHTING: 1403-BAS/E/5W/4 similar approved of equal quality and performance.
B	TYPE B: SURFACE-MOUNTED OUTDOOR 21W LED SATURN DOME BULKHEAD (220V-240V), IP65, 4000K, COMPLETE WITH DIE-CAST ALUMINIUM (LM2) HOUSING WITH STAINLESS STEEL WELCOSOL WHITE TRIM AND UV STABLE PMMA OPAL DIFFUSER MES/MERIZE: SATURN DOME BULKHEAD-21W-4000K-IP65 or similar approved of equal quality and performance.
C	TYPE C: OUTDOOR WALL MOUNTED 100W SURGE PROTECTED LED FLOOD LIGHT AC220V 9000 LUMEN ATLAS: ML-LAT-100W/4K or similar approved of equal quality and performance.
D	TYPE D: SURFACE-MOUNTED INDOOR 10W LED SATURN DOME BULKHEAD (220V-240V), IP65, 4000K, COMPLETE WITH DIE-CAST ALUMINIUM (LM2) HOUSING WITH STAINLESS STEEL WELCOSOL WHITE TRIM AND UV STABLE PMMA OPAL DIFFUSER MES/MERIZE: SATURN DOME BULKHEAD-10W-4000K-IP65 or similar approved of equal quality and performance.
P	PHOTOCELL
	220V DUAL TECHNOLOGY OCCUPENCY SENSORS WITH PIR AND ULTRASONIC CAPABILITIES *(CONTRACTOR TO SUBMIT SAMPLE FOR THE ENGINEER'S APPROVAL)*
	1L1W - LIGHT SWITCH
	2L1W - LIGHT SWITCH
	DATA SOCKET OUTLET
	TELEPHONE SOCKET OUTLET
	16A COMBO SOCKET OUTLET MOUNTED ON POWER SKIRTING (MOUNTING HEIGHT AS INDICATED)
	16A DOUBLE SOCKET OUTLET (MOUNTING HEIGHT AS INDICATED)
	P8030 GALVANIZED TRUNKING CHANNEL C/W COVERS OR EQUAL AND APPROVED
	2 COMPARTMENT PVC POWER SKIRTING OR EQUAL AND APPROVED
	ELECTRICAL DISTRIBUTION BOARD

GENERAL NOTES

1. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH LATEST ARCHITECTURAL DRAWINGS & ELECTRICAL STANDARD SPECIFICATIONS.
2. ELECTRICAL INSTALLATION TO COMPLY IN FULL TO THE LATEST SANS 10142-1 STANDARDS & SPECIFICATIONS, AS AMENDED.
3. ELECTRICAL PENETRATIONS TO BE FIRE SEALED AFTER INSTALLATION OF CABLES & AUXILLIARY SERVICES (BY BUILDER).
4. EXTRACTION FANS SUPPLIED BY MECHANICAL SUB-CONTRACTOR. ELECTRICAL SUB-CONTRACTOR TO CONNECT.
5. CABLE TRAY / TRUNKING TO BE SUPPORTED AT INTERVALS AS SPECIFIED BY THE MANUFACTURER.
6. ALL OUTLETS SHALL BE LABELLED WITH LONG-LIFE VINYL ADHESIVE LABELS. CIRCUIT NUMBER & SUPPLY DB TO BE ENGRAVED ON LABEL.
7. INTERNAL LIFT SHAFT LIGHTING & SMALL POWER BY OTHERS.
8. AIR-CONDITIONING LAYOUT DRAWINGS TO BE READ & REVIEWED IN CONJUNCTION WITH THE ELECTRICAL LAYOUT DRAWINGS AT ALL TIMES TO ENSURE CO-ORDINATION OF OUTLETS.
9. HVAC DRAWINGS TO BE CO-ORDINATED BY ELECTRICAL CONTRACTOR FOR THE PROVISION OF CONDUITS FOR A/C CONTROLLER.

A	24-03-2026	ISSUED FOR TENDER	BD
		REVISIONS:	

Province of the EASTERN CAPE REPUBLIC OF SOUTH AFRICA

CLIENT
SIGNATURE:

DISABILITY ECONOMIC EMPOWERMENT TRUST

IMPLEMENTING AGENT
SIGNATURE:

MASHA DESIGN GROUP Architects & Urban Designers

ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

Pty(Ltd): 2019/293991/07
28 Steward Drive
Berea
East London
5241
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132
www.mashadesigns.co.za • sithembele@mashadesigns.co.za

ELECTRICAL ENGINEERS

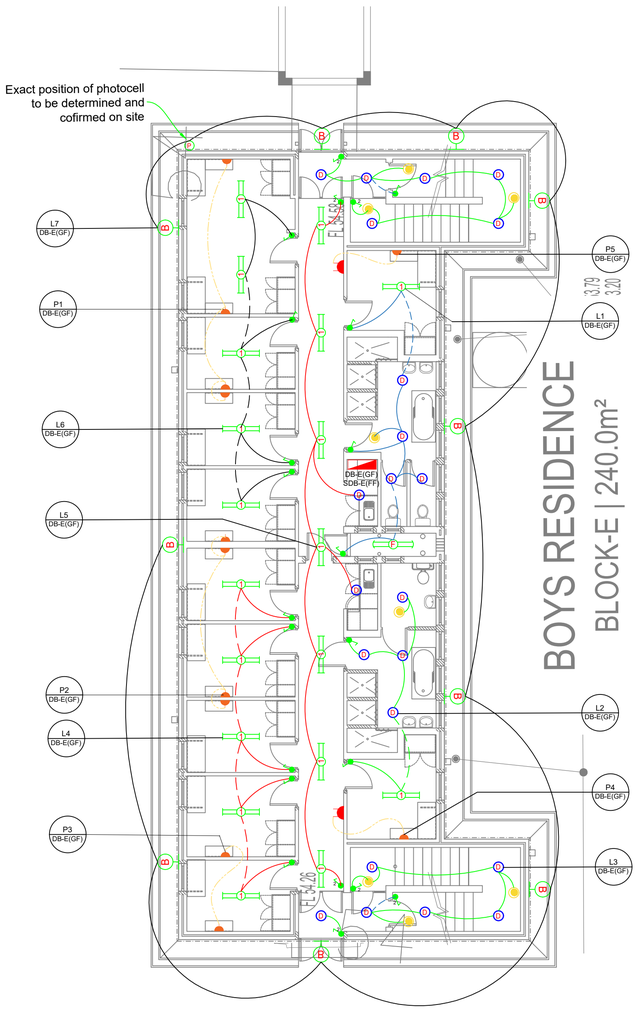
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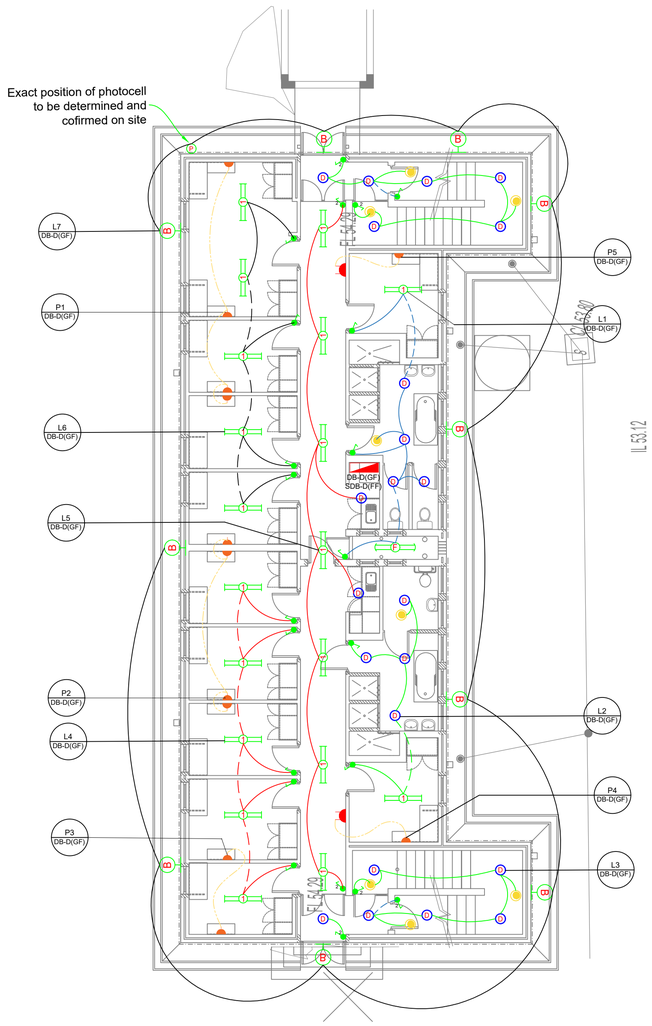
PROJECT TITLE:
BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED
EMIS No. 200100648

TITLE
PHASE 2: BLOCK D & E
GIRLS & BOYS HOSTELS
FIRST FLOOR
ELECTRICAL INSTALLATION LAYOUT

SCALE	DRAWN
1:100	B Dyantyi
DESIGNED	CHECKED
BDyantyi PrTechniEng	N NOKULILA PrTechEng

PROJECT NUMBER	DATE	
2025_01-NGCE	20/11/2025	
	DRAWING NUMBER	REVISION
	ELEC-E-004	Rev A





ELECTRICAL LEGEND

SYMBOL	DISCREPTION
1	TYPE 1: SURFACE MOUNTED 1500mm, SINGLE OPEN T8 LED BATTEN LUMINAIRE WITH 2 x 24W T8 LED. MES/MERIZE: ML-OC-4FT-IP20-1 or similar approved of equal quality and performance.
2	TYPE 2: 72W - 1200m x 600mm RECESSED LED FLAT PANEL LUMINAIRE COMPLETE WITH 3m LONG CAB/TYRE CORD PROVIDED WITH A 5A PLUG TOP. MES/MERIZE: ML-MTR-72W-1200x600-CCT similar approved of equal quality and performance.
P	TYPE P: SURFACE MOUNTED VAPOUR-PROOF LUMINAIRE WITH OPAQUE/FROSTED DIFFUSER AND 2 x 24W T8 LED LAMPS MES/MERIZE: ML-VPO-5FT-IP65 similar approved of equal quality and performance.
A	SURFACE WALL MOUNTED BULKHEAD WITH 4.5W E27 CANDLE 4000K LED LAMP IP54 COMPLETE WITH OVAL EYELID WHITE VOLTEX LIGHTING: 1403-BA6/E/WH similar approved of equal quality and performance.
B	TYPE B: SURFACE-MOUNTED OUTDOOR 21W LED SATURN DOME BULKHEAD (220V-240V), IP65, 4000K, COMPLETE WITH DIE-CAST ALUMINIUM (LM2) HOUSING WITH STAINLESS STEEL WELCOS®, BLACK TRIM AND UV STABLE PMMA OPAL DIFFUSER MES/MERIZE: SATURN DOME BULKHEAD-21W-4000K-IP65 or similar approved of equal quality and performance.
C	TYPE C: OUTDOOR WALL MOUNTED 100W SURGE PROTECTED LED FLOOD LIGHT AC220V 9000 LUMEN ATLAS: ML-LAT-100W-6K or similar approved of equal quality and performance.
D	TYPE D: SURFACE-MOUNTED INDOOR 10W LED SATURN DOME BULKHEAD (220V-240V), IP65, 4000K, COMPLETE WITH DIE-CAST ALUMINIUM (LM2) HOUSING WITH STAINLESS STEEL WELCOS®, WHITE TRIM AND UV STABLE PMMA OPAL DIFFUSER MES/MERIZE: SATURN DOME BULKHEAD-10W-4000K-IP65 or similar approved of equal quality and performance.
P	PHOTOCELL
	220V DUAL TECHNOLOGY OCCUPENCY SENSORS WITH PIR AND ULTRASONIC CAPABILITIES *(CONTRACTOR TO SUBMIT SAMPLE FOR THE ENGINEER'S APPROVAL)*
	1L1W - LIGHT SWITCH
	2L1W - LIGHT SWITCH
	DATA SOCKET OUTLET
	TELEPHONE SOCKET OUTLET
	16A COMBO SOCKET OUTLET MOUNTED ON POWER SKIRTING (MOUNTING HEIGHT AS INDICATED)
	16A DOUBLE SOCKET OUTLET (MOUNTING HEIGHT AS INDICATED)
	P8030 GALVANIZED TRUNKING CHANNEL C/W COVERS OR EQUAL AND APPROVED
	2 COMPARTMENT PVC POWER SKIRTING OR EQUAL AND APPROVED
	ELECTRICAL DISTRIBUTION BOARD

GENERAL NOTES

1. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH LATEST ARCHITECTURAL DRAWINGS & ELECTRICAL STANDARD SPECIFICATIONS.
2. ELECTRICAL INSTALLATION TO COMPLY IN FULL TO THE LATEST SANS 10142-1 STANDARDS & SPECIFICATIONS, AS AMENDED.
3. ELECTRICAL PENETRATIONS TO BE FIRE SEALED AFTER INSTALLATION OF CABLES & AUXILLIARY SERVICES (BY BUILDER).
4. EXTRACTION FANS SUPPLIED BY MECHANICAL SUB-CONTRACTOR. ELECTRICAL SUB-CONTRACTOR TO CONNECT.
5. CABLE TRAY / TRUNKING TO BE SUPPORTED AT INTERVALS AS SPECIFIED BY THE MANUFACTURER.
6. ALL OUTLETS SHALL BE LABELLED WITH LONG-LIFE VINYL ADHESIVE LABELS. CIRCUIT NUMBER & SUPPLY DB TO BE ENGRAVED ON LABEL.
7. INTERNAL LIFT SHAFT LIGHTING & SMALL POWER BY OTHERS.
8. AIR-CONDITIONING LAYOUT DRAWINGS TO BE READ & REVIEWED IN CONJUNCTION WITH THE ELECTRICAL LAYOUT DRAWINGS AT ALL TIMES TO ENSURE CO-ORDINATION OF OUTLETS.
9. HVAC DRAWINGS TO BE CO-ORDINATED BY ELECTRICAL CONTRACTOR FOR THE PROVISION OF CONDUITS FOR A/C CONTROLLER.

A	24-03-2026	ISSUED FOR TENDER	BD
		REVISIONS:	

Province of the EASTERN CAPE REPUBLIC OF SOUTH AFRICA

CLIENT
SIGNATURE:

DISABILITY ECONOMIC EMPOWERMENT TRUST

IMPLEMENTING AGENT
SIGNATURE:

MASHA DESIGN GROUP
Architects & Urban Designers

ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

Pty(Ltd): 2019/293991/07
28 Steward Drive
Berea
East London
5241
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132
www.mashadesigns.co.za • sithembele@mashadesigns.co.za

ELECTRICAL ENGINEERS
NGCE

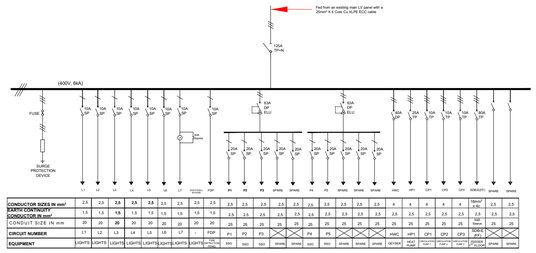
PROJECT TITLE:
BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED
EMIS No. 200100648

TITLE
PHASE 2: BLOCK D
GIRLS & BOYS HOSTELS
GROUND FLOOR
ELECTRICAL INSTALLATION LAYOUT

SCALE	DRAWN
1:100	B Dyantyi
DESIGNED	CHECKED
BDyantyi PrTechniEng	N NOKULILA PrTechEng

PROJECT NUMBER	DATE	
2025_01-NGCE	20/11/2025	
	DRAWING NUMBER	REVISION
	ELEC-E-003	Rev A

DB-E (GF)
BOYS HOSTEL - BLOCK E



CONDUCTOR SIZES IN mm²	2.5	2.5	**2.5**	**2.5**	**2.5**	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	4	4	2.5	2.5	2.5		
EARTH CONTINUITY CONDUCTOR IN mm²	1.5	1.5	**1.5**	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5		
CONDUIT SIZE IN mm	20	20	**20**	20	20	20	20	20	20	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25		
CIRCUIT NUMBER	L1	L2	L3	L4	L5	L6	L7	-	FDP	P1	P2	P3	P4	P5				HWC	HP1	CP1	CP2	CP3	SOS-EXIT1	SPARE	SPARE				
EQUIPMENT	LIGHTS	LIGHTS	LIGHTS	LIGHTS	LIGHTS	LIGHTS	LIGHTS	LIGHTS	Automatic Changeover	SSO	SSO	SSO	SPARE	SPARE	SSO	SSO	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	HEAT PUMP	Heat Pump 1	Heat Pump 2	Heat Pump 3	SOLAR GEYS.	SPARE	SPARE

SWITCHBOARD SPECIFICATION

CONSTRUCTION	
Floor standing (free)	
Floor standing (over trench)	
Surface mounted	
Flush recessed	
Fully recessed	✓
On concrete plinth	
MATERIAL	
Galvanised steel (1.6mm)	✓
Galvanised steel (2.0mm)	
Galvanised steel (3.0mm)	
3CR12 steel (1.6mm)	
3CR12 steel (2.0mm)	
Fibreglass	
FRONT PANEL	
Wooden panel (25mm thick)	
Steel escutcheon panel	✓
Panel to be removable	✓
Hinged inner panel	
Locating pins	✓
Chromed handles	
Chromed dome nuts	
Dzus turnbuttches	
Square key catches	✓
DOORS	
Door required	✓
Standard hinges	
Heavy duty brass hinges	
Heavy duty hasp & staple	
Pushbutton catch (Union lock)	
Turnlever catch (padlock)	✓
Square key catch	
EXPOSURE	
Indoor	✓
Outdoor	
Waterproof	
Weatherproof	
FINISHES / COLOUR	
Hot dip galvanised	
Electro galvanised	✓
Epoxy paint:	✓
Base	
Inside	WHITE
Outside (normal power)	WHITE
Outside (emergency power)	SIGNAL RED
Outside (ups power)	VIOLET
MAXIMUM DIMENSIONS	
Width (mm)	TBC
Height (mm)	TBC
Depth (mm)	TBC
COPPER BUSBARS	
Minimum current capacity (A)	
Short circuit capacity (kA)	
Tinning	✓
Painted phase indentification	
Shrunken sleeve phase identif	✓
Full length shrunken sleeves	
Full rating neutral bar	✓
Earth bar	✓
OUTSIDE LABELING	
Painted	
Engraved Ivorine	✓
Engraved aluminium	
Installed at front	✓
Installed at back	
INSIDE LABELING	
Engraved Ivorine (description)	
Engraved Ivorine (numbers)	✓
Taped legend cards	
Card holder on front panel	✓
Card holder inside door	
Card holder supply separately	
ACCESS	
From the front	✓
From the back	
CABLE ENTRY	
Top / Bottom / Rear	TOP
Gland plate	-
CABLE EXIT / WIRING EXIT	
Top / Bottom / Rear	TOP
Gland plate	-

SCHEDULE		SCHEDULE	
ITEM	DESCRIPTION	ITEM	DESCRIPTION
	SWITCH DISCONNECTOR		BYPASS SWITCH
	CIRCUIT BREAKER	kWh	kWh-METER
	EARTH LEAKAGE UNIT (NO OVERLOAD PROTECTION)	FCI	FIREMAN SWITCH
	EARTH LEAKAGE UNIT (WITH OVERLOAD PROTECTION)	S	REMOTE STOP/START SWITCH CONTROL
	CONTACTOR	T	TIME SWITCH (BATTERY BACK-UP)

GENERAL NOTES:

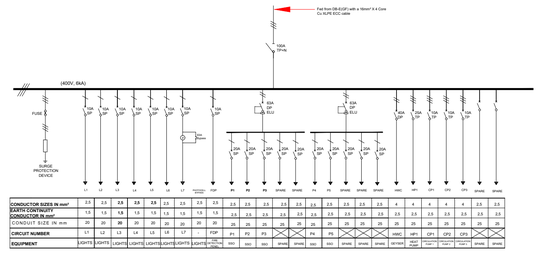
1. ALLOW 25% SPARE CAPACITY FOR FUTURE CIRCUITS.
2. INSTALLATIONS TO COMPLY IN FULL TO LATEST SANS 10142 AND ALL APPLICABLE STANDARDS & SPECIFICATIONS
3. CONTRACTOR TO BALANCE LOAD EQUALLY OVER MULTI-PHASE SUPPLY.

GENERAL NOTES:

4. EMERGENCY & NORMAL SECTIONS TO BE ELECTRICALLY & MECHANICALLY SEPERATED BY MEANS OF A FIXED DIVIDING PANELS.
5. UPS TO BE SUPPLIED SEPARATELY

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SDB-E (FF)
BOYS HOSTEL - BLOCK E



CONDUCTOR SIZES IN mm²	2.5	2.5	**2.5**	**2.5**	**2.5**	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	4	4	2.5	2.5	2.5		
EARTH CONTINUITY CONDUCTOR IN mm²	1.5	1.5	**1.5**	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5		
CONDUIT SIZE IN mm	20	20	**20**	20	20	20	20	20	20	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25		
CIRCUIT NUMBER	L1	L2	L3	L4	L5	L6	L7	-	FDP	P1	P2	P3	P4	P5				HWC	HP1	CP1	CP2	CP3	SPARE	SPARE					
EQUIPMENT	LIGHTS	LIGHTS	LIGHTS	LIGHTS	LIGHTS	LIGHTS	LIGHTS	LIGHTS	Automatic Changeover	SSO	SSO	SSO	SPARE	SPARE	SSO	SSO	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	HEAT PUMP	Heat Pump 1	Heat Pump 2	Heat Pump 3	SPARE	SPARE

SWITCHBOARD SPECIFICATION

CONSTRUCTION	
Floor standing (free)	
Floor standing (over trench)	
Surface mounted	
Flush recessed	
Fully recessed	✓
On concrete plinth	
MATERIAL	
Galvanised steel (1.6mm)	✓
Galvanised steel (2.0mm)	
Galvanised steel (3.0mm)	
3CR12 steel (1.6mm)	
3CR12 steel (2.0mm)	
Fibreglass	
FRONT PANEL	
Wooden panel (25mm thick)	
Steel escutcheon panel	✓
Panel to be removable	✓
Hinged inner panel	
Locating pins	✓
Chromed handles	
Chromed dome nuts	
Dzus turnbuttches	
Square key catches	✓
DOORS	
Door required	✓
Standard hinges	✓
Heavy duty brass hinges	
Heavy duty hasp & staple	
Pushbutton catch (Union lock)	
Turnlever catch (padlock)	✓
Square key catch	
EXPOSURE	
Indoor	✓
Outdoor	
Waterproof	
Weatherproof	
FINISHES / COLOUR	
Hot dip galvanised	
Electro galvanised	✓
Epoxy paint:	✓
Base	
Inside	WHITE
Outside (normal power)	WHITE
Outside (emergency power)	SIGNAL RED
Outside (ups power)	VIOLET
MAXIMUM DIMENSIONS	
Width (mm)	TBC
Height (mm)	TBC
Depth (mm)	TBC
COPPER BUSBARS	
Minimum current capacity (A)	
Short circuit capacity (kA)	
Tinning	✓
Painted phase indentification	
Shrunken sleeve phase identif	✓
Full length shrunken sleeves	
Full rating neutral bar	✓
Earth bar	✓
OUTSIDE LABELING	
Painted	
Engraved Ivorine	✓
Engraved aluminium	
Installed at front	✓
Installed at back	
INSIDE LABELING	
Engraved Ivorine (description)	
Engraved Ivorine (numbers)	✓
Taped legend cards	
Card holder on front panel	✓
Card holder inside door	
Card holder supply separately	
ACCESS	
From the front	✓
From the back	
CABLE ENTRY	
Top / Bottom / Rear	TOP
Gland plate	-
CABLE EXIT / WIRING EXIT	
Top / Bottom / Rear	TOP
Gland plate	-

SCHEDULE		SCHEDULE	
ITEM	DESCRIPTION	ITEM	DESCRIPTION
	SWITCH DISCONNECTOR		BYPASS SWITCH
	CIRCUIT BREAKER	kWh	kWh-METER
	EARTH LEAKAGE UNIT (NO OVERLOAD PROTECTION)	FCI	FIREMAN SWITCH
	EARTH LEAKAGE UNIT (WITH OVERLOAD PROTECTION)	S	REMOTE STOP/START SWITCH CONTROL
	CONTACTOR	T	TIME SWITCH (BATTERY BACK-UP)

GENERAL NOTES:

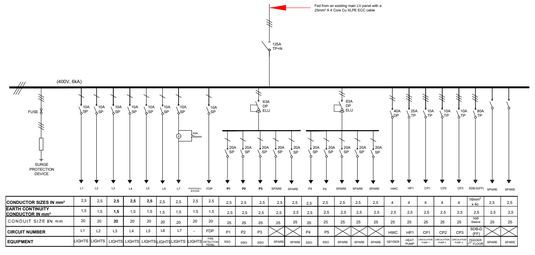
1. ALLOW 25% SPARE CAPACITY FOR FUTURE CIRCUITS.
2. INSTALLATIONS TO COMPLY IN FULL TO LATEST SANS 10142 AND ALL APPLICABLE STANDARDS & SPECIFICATIONS
3. CONTRACTOR TO BALANCE LOAD EQUALLY OVER MULTI-PHASE SUPPLY.

GENERAL NOTES:

4. EMERGENCY & NORMAL SECTIONS TO BE ELECTRICALLY & MECHANICALLY SEPERATED BY MEANS OF A FIXED DIVIDING PANELS.
5. UPS TO BE SUPPLIED SEPARATELY

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DB-D (GF)
GIRLS HOSTEL- BLOCK D



CONDUCTOR SIZES IN mm²	2.5	2.5	**2.5**	**2.5**	**2.5**	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	4	4	2.5	2.5	2.5		
EARTH CONTINUITY CONDUCTOR IN mm²	1.5	1.5	**1.5**	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5		
CONDUIT SIZE IN mm	20	20	**20**	20	20	20	20	20	20	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25		
CIRCUIT NUMBER	L1	L2	L3	L4	L5	L6	L7	-	FDP	P1	P2	P3	P4	P5				HWC	HP1	CP1	CP2	CP3	SOS-EXIT1	SPARE	SPARE				
EQUIPMENT	LIGHTS	LIGHTS	LIGHTS	LIGHTS	LIGHTS	LIGHTS	LIGHTS	LIGHTS	Automatic Changeover	SSO	SSO	SSO	SPARE	SPARE	SSO	SSO	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	HEAT PUMP	Heat Pump 1	Heat Pump 2	Heat Pump 3	SOLAR GEYS.	SPARE	SPARE

SWITCHBOARD SPECIFICATION

CONSTRUCTION	
Floor standing (free)	
Floor standing (over trench)	
Surface mounted	
Flush recessed	
Fully recessed	✓
On concrete plinth	
MATERIAL	
Galvanised steel (1.6mm)	✓
Galvanised steel (2.0mm)	
Galvanised steel (3.0mm)	
3CR12 steel (1.6mm)	
3CR12 steel (2.0mm)	
Fibreglass	
FRONT PANEL	
Wooden panel (25mm thick)	
Steel escutcheon panel	✓
Panel to be removable	✓
Hinged inner panel	
Locating pins	✓
Chromed handles	
Chromed dome nuts	
Dzus turnbuttches	
Square key catches	✓
DOORS	
Door required	✓
Standard hinges	✓
Heavy duty brass hinges	
Heavy duty hasp & staple	
Pushbutton catch (Union lock)	
Turnlever catch (padlock)	✓
Square key catch	
EXPOSURE	
Indoor	✓
Outdoor	
Waterproof	
Weatherproof	
FINISHES / COLOUR	
Hot dip galvanised	
Electro galvanised	✓
Epoxy paint:	✓
Base	
Inside	WHITE
Outside (normal power)	WHITE
Outside (emergency power)	SIGNAL RED
Outside (ups power)	VIOLET
MAXIMUM DIMENSIONS	
Width (mm)	TBC
Height (mm)	TBC
Depth (mm)	TBC
COPPER BUSBARS	
Minimum current capacity (A)	
Short circuit capacity (kA)	
Tinning	✓
Painted phase indentification	
Shrunken sleeve phase identif	✓
Full length shrunken sleeves	
Full rating neutral bar	✓
Earth bar	✓
OUTSIDE LABELING	
Painted	
Engraved Ivorine	✓
Engraved aluminium	
Installed at front	✓
Installed at back	
INSIDE LABELING	
Engraved Ivorine (description)	
Engraved Ivorine (numbers)	✓
Taped legend cards	
Card holder on front panel	✓
Card holder inside door	
Card holder supply separately	
ACCESS	
From the front	✓
From the back	
CABLE ENTRY	
Top / Bottom / Rear	TOP
Gland plate	-
CABLE EXIT / WIRING EXIT	
Top / Bottom / Rear	TOP
Gland plate	-

SCHEDULE		SCHEDULE	
ITEM	DESCRIPTION	ITEM	DESCRIPTION
	SWITCH DISCONNECTOR		BYPASS SWITCH
	CIRCUIT BREAKER	kWh	kWh-METER
	EARTH LEAKAGE UNIT (NO OVERLOAD PROTECTION)	FCI	FIREMAN SWITCH
	EARTH LEAKAGE UNIT (WITH OVERLOAD PROTECTION)	S	REMOTE STOP/START SWITCH CONTROL
	CONTACTOR	T	TIME SWITCH (BATTERY BACK-UP)

GENERAL NOTES:

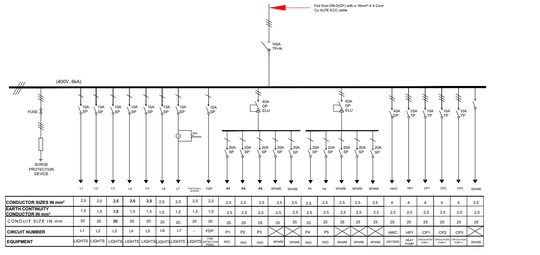
1. ALLOW 25% SPARE CAPACITY FOR FUTURE CIRCUITS.
2. INSTALLATIONS TO COMPLY IN FULL TO LATEST SANS 10142 AND ALL APPLICABLE STANDARDS & SPECIFICATIONS
3. CONTRACTOR TO BALANCE LOAD EQUALLY OVER MULTI-PHASE SUPPLY.

GENERAL NOTES:

4. EMERGENCY & NORMAL SECTIONS TO BE ELECTRICALLY & MECHANICALLY SEPERATED BY MEANS OF A FIXED DIVIDING PANELS.
5. UPS TO BE SUPPLIED SEPARATELY

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DB-D (FF)
GIRLS HOSTEL- BLOCK D



CONDUCTOR SIZES IN mm²	2.5	2.5	**2.5**	**2.5**	**2.5**	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	4	4	2.5	2.5	2.5		
EARTH CONTINUITY CONDUCTOR IN mm²	1.5	1.5	**1.5**	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5		
CONDUIT SIZE IN mm	20	20	**20**	20	20	20	20	20	20	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25		
CIRCUIT NUMBER	L1	L2	L3	L4	L5	L6	L7	-	FDP	P1	P2	P3	P4	P5				HWC	HP1	CP1	CP2	CP3	SPARE	SPARE					
EQUIPMENT	LIGHTS	LIGHTS	LIGHTS	LIGHTS	LIGHTS	LIGHTS	LIGHTS	LIGHTS	Automatic Changeover	SSO	SSO	SSO	SPARE	SPARE	SSO	SSO	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	HEAT PUMP	Heat Pump 1	Heat Pump 2	Heat Pump 3	SPARE	SPARE

SWITCHBOARD SPECIFICATION

CONSTRUCTION	
Floor standing (free)	
Floor standing (over trench)	
Surface mounted	
Flush recessed	
Fully recessed	✓
On concrete plinth	
MATERIAL	
Galvanised steel (1.6mm)	✓
Galvanised steel (2.0mm)	
Galvanised steel (3.0mm)	
3CR12 steel (1.6mm)	
3CR12 steel (2.0mm)	
Fibreglass	
FRONT PANEL	
Wooden panel (25mm thick)	
Steel escutcheon panel	✓
Panel to be removable	✓
Hinged inner panel	
Locating pins	✓
Chromed handles	
Chromed dome nuts	
Dzus turnbuttches	
Square key catches	✓
DOORS	
Door required	✓
Standard hinges	✓
Heavy duty brass hinges	
Heavy duty hasp & staple	
Pushbutton catch (Union lock)	
Turnlever catch (padlock)	✓
Square key catch	
EXPOSURE	
Indoor	✓
Outdoor	
Waterproof	
Weatherproof	
FINISHES / COLOUR	
Hot dip galvanised	
Electro galvanised	✓
Epoxy paint:	✓
Base	
Inside	WHITE
Outside (normal power)	WHITE
Outside (emergency power)	SIGNAL RED
Outside (ups power)	VIOLET
MAXIMUM DIMENSIONS	
Width (mm)	TBC
Height (mm)	TBC
Depth (mm)	TBC
COPPER BUSBARS	
Minimum current capacity (A)	
Short circuit capacity (kA)	
Tinning	✓
Painted phase indentification	
Shrunken sleeve phase identif	✓
Full length shrunken sleeves	
Full rating neutral bar	✓
Earth bar	✓
OUTSIDE LABELING	
Painted	
Engraved Ivorine	✓
Engraved aluminium	
Installed at front	✓
Installed at back	
INSIDE LABELING	
Engraved Ivorine (description)	
Engraved Ivorine (numbers)	✓
Taped legend cards	
Card holder on front panel	✓
Card holder inside door	
Card holder supply separately	
ACCESS	
From the front	✓
From the back	
CABLE ENTRY	
Top / Bottom / Rear	TOP
Gland plate	-
CABLE EXIT / WIRING EXIT	
Top / Bottom / Rear	TOP
Gland plate	-

SCHEDULE		SCHEDULE	
ITEM	DESCRIPTION	ITEM	DESCRIPTION
	SWITCH DISCONNECTOR		BYPASS SWITCH
	CIRCUIT BREAKER	kWh	kWh-METER
	EARTH LEAKAGE UNIT (NO OVERLOAD PROTECTION)	FCI	FIREMAN SWITCH
	EARTH LEAKAGE UNIT (WITH OVERLOAD PROTECTION)	S	REMOTE STOP/START SWITCH CONTROL
	CONTACTOR	T	TIME SWITCH (BATTERY BACK-UP)

GENERAL NOTES:

1. ALLOW 25% SPARE CAPACITY FOR FUTURE CIRCUITS.
2. INSTALLATIONS TO COMPLY IN FULL TO LATEST SANS 10142 AND ALL APPLICABLE STANDARDS & SPECIFICATIONS
3. CONTRACTOR TO BALANCE LOAD EQUALLY OVER MULTI-PHASE SUPPLY.

GENERAL NOTES:

4. EMERGENCY & NORMAL SECTIONS TO BE ELECTRICALLY & MECHANICALLY SEPERATED BY MEANS OF A FIXED DIVIDING PANELS.
5. UPS TO BE SUPPLIED SEPARATELY

C:\Users\bdyantyi\Desktop\SANS Engineering Projects\2025_01_REUBEN BIRIN School\Drawings\Electrical\Revit\Reuben Birin - Block D & E Electrical Layout-Rev A1.rvt

GENERAL NOTES

1. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH LATEST ARCHITECTURAL DRAWINGS & ELECTRICAL STANDARD SPECIFICATIONS.
2. ELECTRICAL INSTALLATION TO COMPLY IN FULL TO THE LATEST SANS 10142-1 STANDARDS & SPECIFICATIONS, AS AMENDED.
3. ELECTRICAL PENETRATIONS TO BE FIRE SEALED AFTER INSTALLATION OF CABLES & AUXILLIARY SERVICES (BY BUILDER).
4. EXTRACTION FANS SUPPLIED BY MECHANICAL SUB-CONTRACTOR. ELECTRICAL SUB-CONTRACTOR TO CONNECT.
5. CABLE TRAY / TRUNKING TO BE SUPPORTED AT INTERVALS AS SPECIFIED BY THE MANUFACTURER.
6. ALL OUTLETS SHALL BE LABELLED WITH LONG-LIFE VINYL ADHESIVE LABELS. CIRCUIT NUMBER & SUPPLY DB TO BE ENGRAVED ON LABEL.
7. INTERNAL LIFT SHAFT LIGHTING & SMALL POWER BY OTHERS.
8. AIR-CONDITIONING LAYOUT DRAWINGS TO BE READ & REVIEWED IN CONJUNCTION WITH THE ELECTRICAL LAYOUT DRAWINGS AT ALL TIMES TO ENSURE CO-ORDINATION OF OUTLETS.
9. HVAC DRAWINGS TO BE COORDINATED BY ELECTRICAL CONTRACTOR FOR THE PROVISION OF CONDUITS FOR A/C CONTROLLER.
10. ALL MECHANICAL SERVICES ARE TO BE COORDINATED WITH THE MECHANICAL ENGINEER'S DRAWINGS AND INFORMATION

A	24-03-2026	ISSUED FOR TENDER	BD
		REVISIONS:	

Province of the EASTERN CAPE
REPUBLIC OF SOUTH AFRICA

CLIENT
SIGNATURE:

DEET
DISABILITY ECONOMIC EMPOWERMENT TRUST

IMPLEMENTING AGENT
SIGNATURE:

MASHA DESIGN GROUP
Architects & Urban Designers

ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

Pty(Ltd): 2019/293991/07
28 Steward Drive
Berea
East London
5241
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132
www.mashadesigns.co.za ⋄ sithembele@mashadesigns.co.za

ELECTRICAL ENGINEERS

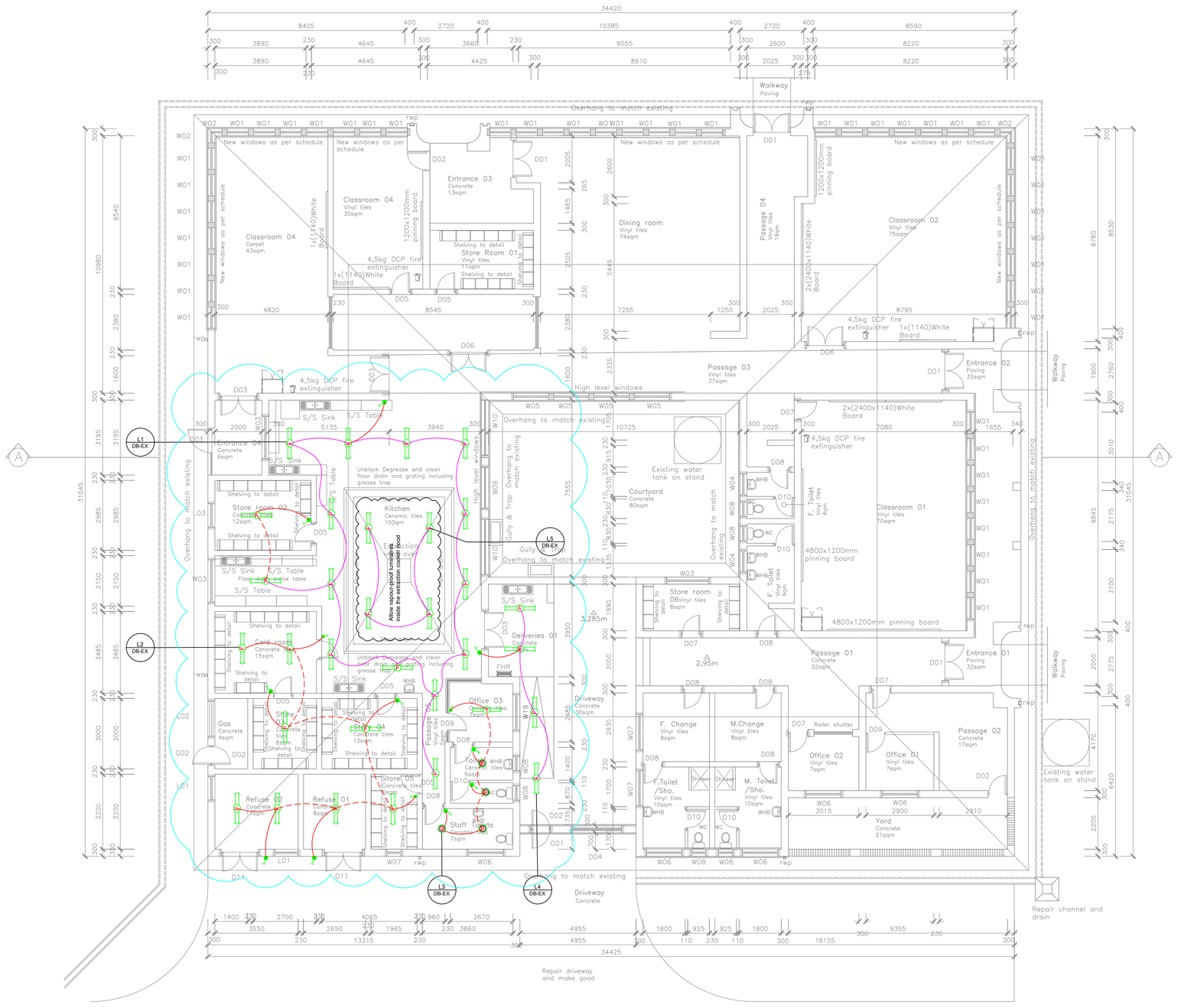
NGCE

PROJECT TITLE:
BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED
EMIS No. 20010648

TITLE
ELECTRICAL ENGINEERING SERVICES
SINGLE LINE DIAGRAMS LAYOUT
BLOCK D & E

SCALE: T.N.S	DRAWN: B Dyantyi
DESIGNED: BDyantyi PrTechniEng	CHECKED: N NOKULILA PrTechEng

PROJECT NUMBER: 2025_01-NGCE	DATE: 20/11/2025	
	DRAWING NUMBER: ELEC-E-SLD02	REVISION: Rev A



GROUNDFLOORPLAN
SCALE 1:100

	ELECTRCIAL LEGEND
SYMBOL	DISCREPTION
1	TYPE 1: SURFACE MOUNTED 1500mm, SINGLE OPEN T8 LED BATTEN LUMINAIRE WITH 2 x 24W T8 LED; ML-OC-4FT-IP20-1 or SIMILAR APPROVED
2	TYPE 2: 72W - 1200m x 600mm RECESSED LED FLAT PANEL LUMINAIRE COMPLETE WITH 3m LONG CABTYRE CORD PROVIDED WITH A 5A PLUG TOP ML-MTR-72W-1200x600-CCT or SIMILAR APPROVED
F	TYPE F: SURFACE MOUNTED VAPOUR-PROOF LUMINAIRE WITH OPAQUE/FROSTED DIFFUSER AND 2 x 24W T8 LED LAMPS ML-VPD-5FT-IP65 or SIMILAR APPROVED
D A	WALL / CEILING SURFACE MOUNTED BULKHEAD WITH 10W LED
B	OUTDOOR WALL / CEILING MOUNTED DECORATIVE BULKHEAD LUMINAIRES WITH 21W LED
C	OUTDOOR WALL MOUNTED 100W SURGE PROTECTED LED FLOOD LIGHT AC220V 9000 LUMEN ATLAS: ML-AT-100W-6K
P	PHOTOCELL
	1L1W - LIGHT SWITCH
	2L1W - LIGHT SWITCH
	DATA SOCKET OUTLET
	TELEPHONE SOCKET OUTLET
	16A COMBO SOCKET OUTLET MOUNTED ON POWER SKIRTING (MOUNTING HEIGHT AS INDICATED)
	16A DOUBLE SOCKET OUTLET (MOUNTING HEIGHT AS INDICATED)
	P8000 GALVANIZED TRUNKING CHANNEL C/W COVERS OR EQUAL AND APPROVED
	2 COMPARTMENT PVC POWER SKIRTING OR EQUAL AND APPROVED
	ELECTRICAL DISTRIBUTION BOARD

PHASE 2- LIMITED KITCHEN SCOPE:

a. Limited scope of electrical installation
b. Only lighting in critical has been allowed
c. socket outlets are to be refurbished and cleaned
d. Contractor to allow refurbishment of the Kitchen lighting circuits in the distribution board.
e. Lighting circuit L5 (inside the extraction hood) is to be wired to a remote switch in liaison with the Mech Eng's specification for the extraction hood

GENERAL NOTES

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2. ELECTRICAL INSTALLATION TO COMPLY IN FULL TO THE LATEST SANS 10142-1 STANDARDS & SPECIFICATIONS, AS AMENDED.
3. ELECTRICAL PENETRATIONS TO BE FIRE SEALED AFTER INSTALLATION OF CABLES & AUXILLIARY SERVICES (BY BUILDER).
4. EXTRACTION FANS SUPPLIED BY MECHANICAL SUB-CONTRACTOR. ELECTRICAL SUB-CONTRACTOR TO CONNECT.
5. CABLE TRAY / TRUNKING TO BE SUPPORTED AT INTERVALS AS SPECIFIED BY THE MANUFACTURER.
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9. HVAC DRAWINGS TO BE CO-ORDINATED BY ELECTRICAL CONTRACTOR FOR THE PROVISION OF CONDUITS FOR A/C CONTROLLER.

A	24-03-2026	ISSUED FOR TENDER	BD
		REVISIONS:	

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IMPLEMENTING AGENT
SIGNATURE:

MASHA DESIGN GROUP
Architects & Urban Designers

ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

Pty(Ltd): 2019/293991/07
28 Steward Drive
Berea
East London
5241
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132
www.mashadesigns.co.za • sithembele@mashadesigns.co.za

ELECTRICAL ENGINEERS

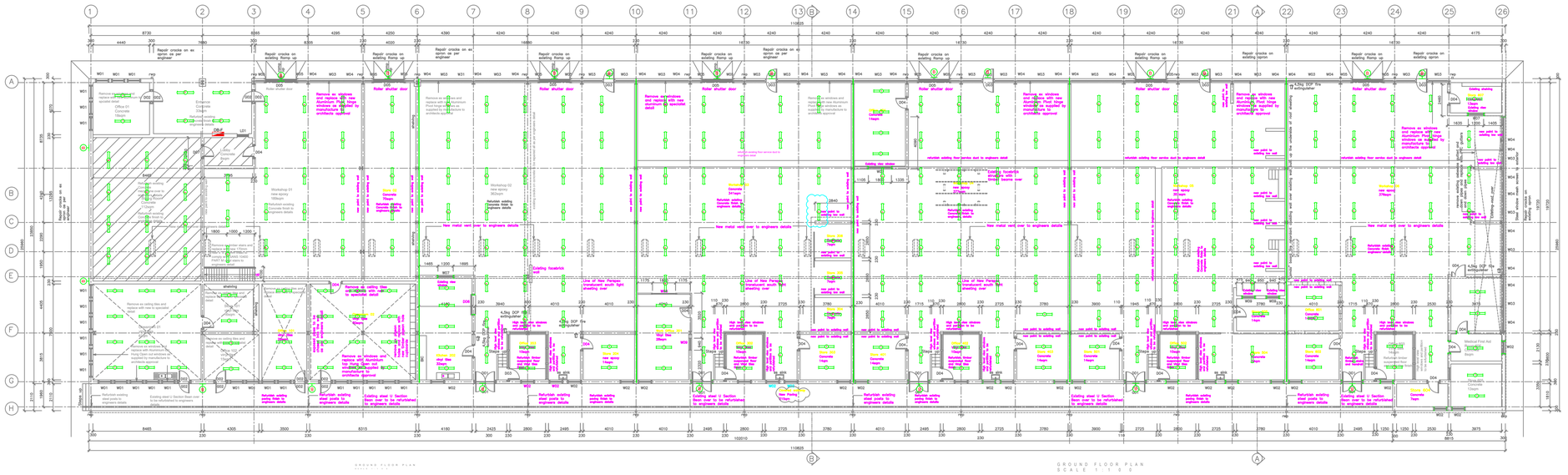
NGCE

PROJECT TITLE:
BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED
EMIS No. 200100648

TITLE
PHASE 2: BLOCK G
KITCHEN GROUND FLOOR
ELECTRICAL INSTALLATION LAYOUT

SCALE	DRAWN
1:100	B Dyantyi
DESIGNED	CHECKED
BDyantyi PrTechniEng	N NOKULILA PrTechEng

PROJECT NUMBER	DATE	20/11/2025
2025_01-NGCE	DRAWING NUMBER	REVISION
	ELEC-E-005	Rev A



	ELECTRCIAL LEGEND
SYMBOL	DISCREPTION
1	TYPE 1: SURFACE MOUNTED 1500mm, SINGLE OPEN T8 LED BATTEN LUMINAIRE WITH 2 x 24W T8 LED ML-OC-4FT-IP20-1-or SIMILAR APPROVED
2	TYPE 2: 72W - 1200m x 600mm RECESSED LED FLAT PANEL LUMINAIRE COMPLETE WITH 3m LONG CABTYRE CORD PROVIDED WITH A 5A PLUG TOP ML-MTR-72W-1200x600-CCT or SIMILAR APPROVED
F	TYPE F: 1500mm SURFACE MOUNTED VAPOUR-PROOF LUMINAIRE WITH OPAQUE/FROSTED DIFFUSER AND 2 x 46W T8 LED LAMPS ML-VPO-5FT-IP65 or SIMILAR APPROVED
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	16A DOUBLE SOCKET OUTLET (MOUNTING HEIGHT AS INDICATED)
	PR000 GALVANIZED TRUNKING CHANNEL C/W COVERS OR EQUAL AND APPROVED
	2 COMPARTMENT PVC POWER SKIRTING OR EQUAL AND APPROVED
	ELECTRICAL DISTRIBUTION BOARD

GENERAL NOTES

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A	24-03-2026	ISSUED FOR TENDER	BD
		REVISIONS:	

CLIENT

SIGNATURE:

Province of the EASTERN CAPE REPUBLIC OF SOUTH AFRICA

IMPLEMENTING AGENT

SIGNATURE:

MASHA DESIGN GROUP Architects & Urban Designers

ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

Pty(Ltd): 2019/293991/07
28 Steward Drive
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tel. 043 555 0225
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www.mashadesigns.co.za • sithembele@mashadesigns.co.za

ELECTRICAL ENGINEERS

NGCE

PROJECT TITLE:

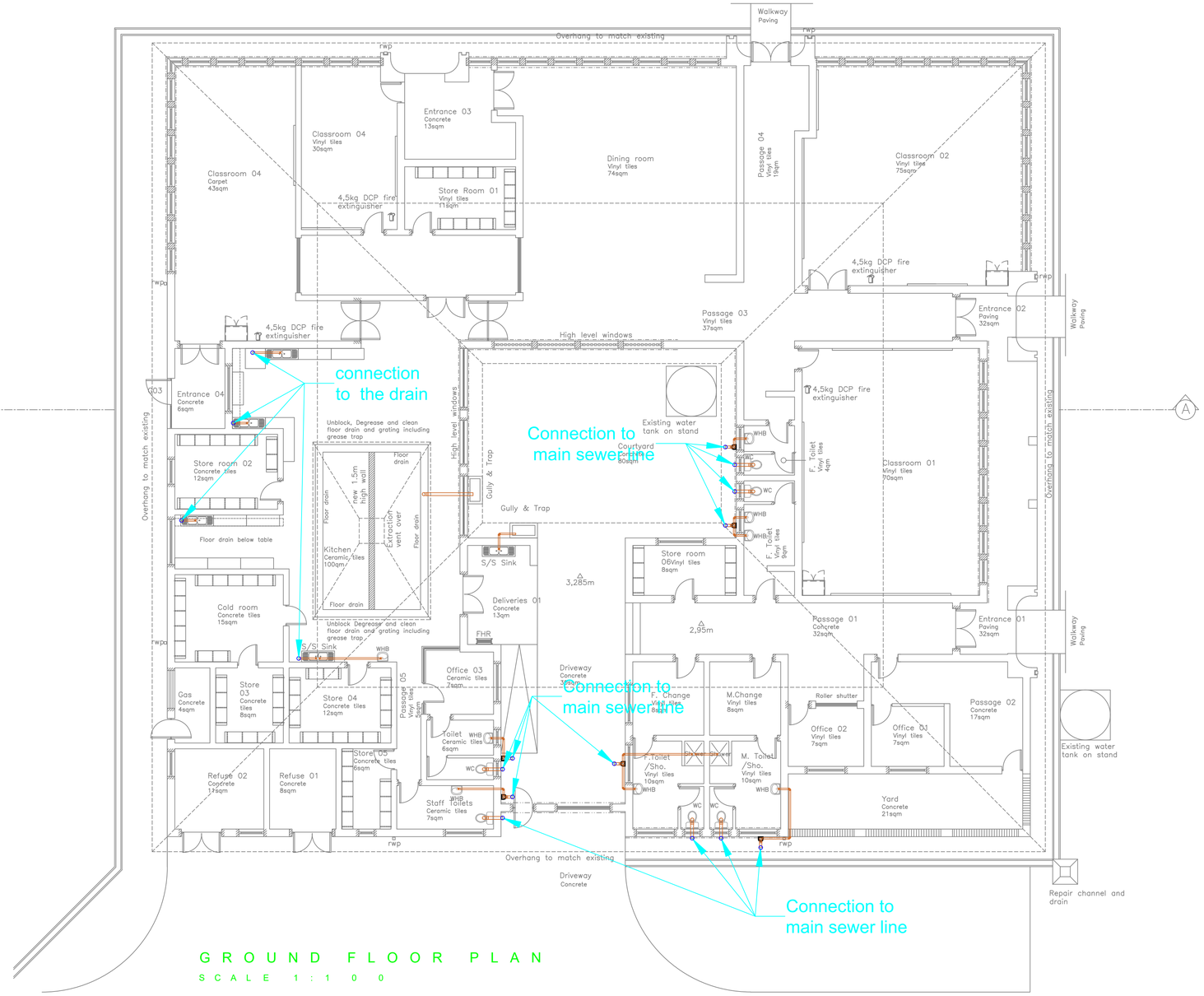
BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED
EMIS No. 200100648

TITLE

PHASE 2: BLOCK M
WORKSHOPS
ELECTRICAL INSTALLATION LAYOUT

SCALE	DRAWN
1:200	B Dyantyi
DESIGNED	CHECKED
BDyantyi PrTechniEng	N NOKULILA PrTechEng

PROJECT NUMBER	DATE	20/11/2025
2025_01-NGCE	DRAWING NUMBER: ELEC-E-005	REVISION: Rev A



GROUND FLOOR PLAN

SCALE 1:100

REVISIONS:



CLIENT

IMPLEMENTING AGENT

ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

MASHA DESIGN GROUP
Architects & Urban Designers

ENGINEER:

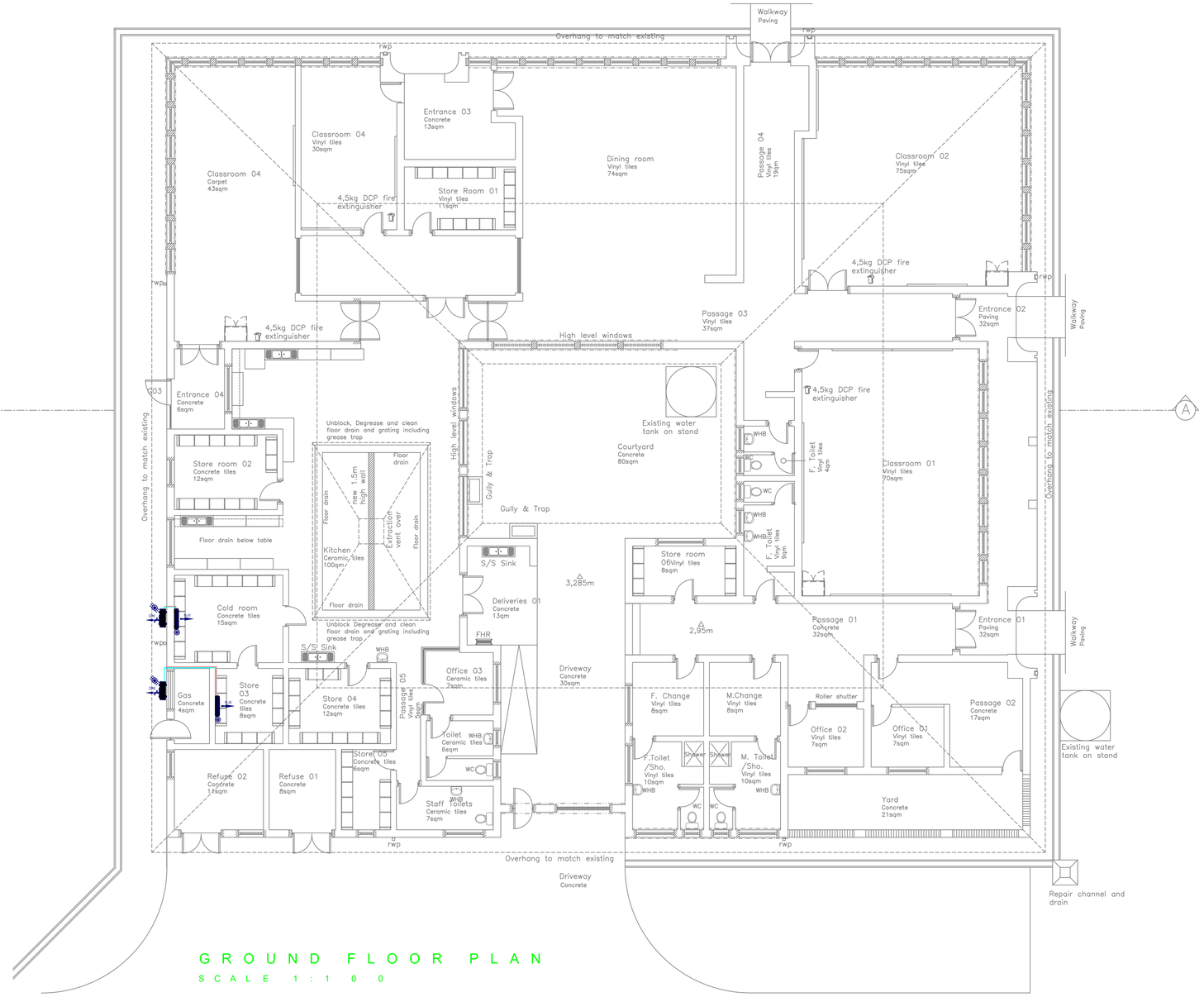
DIKIDA GROUP (PTY) LTD

PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED.

TITLE: BLOCK G - DRAINAGE SERVICES LAYOUT

SCALE	DRAWN
1:100	KD
DESIGNED	CHECKED
P. MASHIRI	P. MASHIRI

PROJECT NUMBER	DATE	REVISION
2025-06-19	18/03/2026	Rev 0
	DRAWING NUMBER: THP-BLOCK G-DR- 100	



GROUND FLOOR PLAN

SCALE 1:100

REVISIONS:



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IMPLEMENTING AGENT

ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

MASHA DESIGN GROUP
Architects & Urban Designers

ENGINEER:

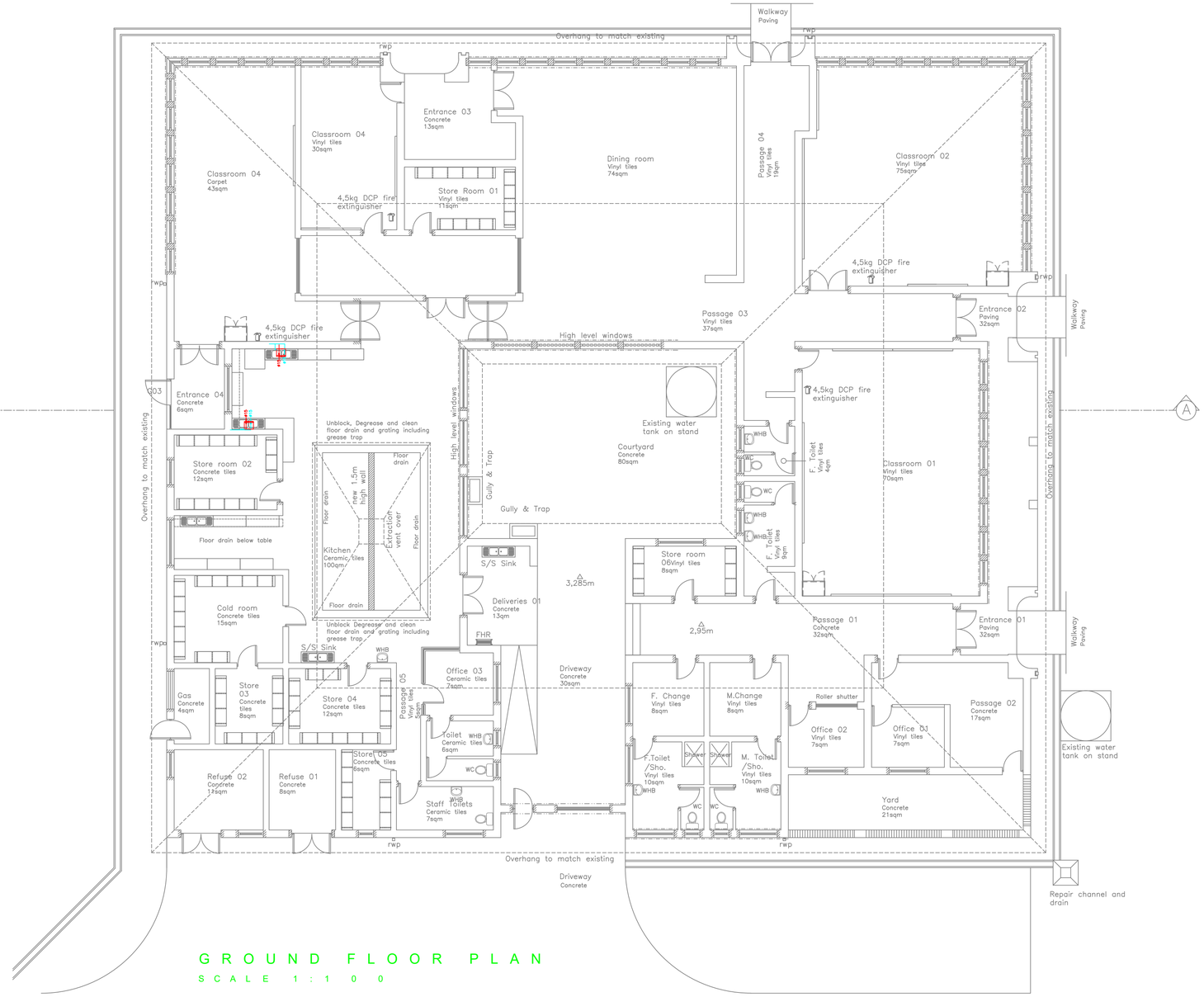
DIKIDA GROUP (PTY) LTD

PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED.

TITLE BLOCK G - HVAC & REFRIGERATION LAYOUT

SCALE	DRAWN
1:100	KD
DESIGNED	CHECKED
P. MASHIRI	P. MASHIRI

PROJECT NUMBER	DATE	
2025-06-19	18/03/2026	
	DRAWING NUMBER	REVISION
	THP-BLOCK G-HVAC- 100	Rev 0



GROUND FLOOR PLAN

SCALE 1:100

REVISIONS:



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IMPLEMENTING AGENT

ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

MASHA DESIGN GROUP
Architects & Urban Designers

ENGINEER:

DIKIDA GROUP (PTY) LTD

PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED.

TITLE	BLOCK G - WATER SUPPLY LAYOUT
SCALE: 1:100	DRAWN: KD
DESIGNED: P. MASHIRI	CHECKED: P. MASHIRI

PROJECT NUMBER: 2025-06-19	DATE: 18/03/2026	
	DRAWING NUMBER: THP-BLOCK G-WS- 100	REVISION: Rev 0



GROUND FLOOR PLAN

SCALE 1:100

PROGRAMMING NOTES

1. The all detection zones must be activated only by devices within their zones
2. Notification Scenario is to be activate on single knock of devices. Note that troubleshooting shall be required to purge the system of these alarms.
3. Fire Scenario is to be activated upon the following conditions:
   - 3.1 A double knock on optical sensors
   - 3.2 Single knock optical sensor / Single knock heat sensor
   - 3.3 Double knock heat sensors
   - 3.4 Single knock breakglass unit along with condition 3.1 or 3.2 or 3.3
4. Fire Scenario within a detection zone must initiate the following:
   - 4.1 Switch HVAC fire dampers closed
   - 4.2 Switch HVAC systems OFF
   - 4.3 Other controls that consultants may deem necessary to switch during such scenario

GENERAL NOTES

1) The fire detection system shall comply with SANS 10139.
2) The fire detection devices shall conform with EN 54.
3) The fire control panel shall be surface mounted at 1500mm affl. at the indicated position. The exact position shall be determined on site.
4) Indication lights shall be installed below the ceiling for the detectors mounted in the ceiling void.
5) The break glass shall be surface mounted at 1400mm affl. at the position as indicated.
6) The devices shall also be installed according to the manufacturer's manual and specifications.
7) Install all the conduits, trunking and other wireways that are required for the installation. The trunking and conduits installation shall be coordinated with the electrical and mechanical contractors.
8) The fire control panel shall be installed complete with batteries and charger as recommended and supplied by the manufacturer.
9) The sensors shall be installed at least 300mm away from the light fittings. This shall be coordinated with the electrical contractor.
10) The position of the break glass or call point shall be coordinated with the position of the light switches.
11) The contractor shall ensure that acceptable sound output levels are achieved with a calibrated dB meter against the ambient noise levels as recommended in the standard.
12) Relays and or 12V/24V potential free relay contacts shall be installed to open the dampers for HVAC systems.
13) The power to the control panel shall be supplied by an electrically qualified and professional individual, with an isolator in the ceiling void. The isolator and the circuit breaker (shall be used solely be for the control panel) feeding the control panel shall be labelled" FIRE ALARM, DO NOT SWITCH OFF"
14) Install trunking (Supplied by the Detection Contractor) to follow loop wire as indicated and tap off to the devices using 25mm diameter steel galvanized conduit or bosal. The exact routes and final positions shall be coordinated with the electrical and mechanical contractors
15) Install the MAMI R.A.C. 2000 transmitter in the ceiling void and link it through 25mm PVC conduit to the control panel.
16) Ensure that transmitter is compatible with the MAMI R.A.C. 2000 Receiver installed in the guard room by others.
17) All ZP3 control panels to be supplied with Class A network loop card (ZZP3AB-NML2), eight programmable output card (ZP3AB-RL8) and Newtwork card (ZP3AB-NET1).
18) All void detection to be reticulated through conduit to the underside slab or roof.
19) All ZP3 RDUB1 Repeat display units to be supplied with ZP3AB-SCB serial control bus driver

FIRE DETECTION LEGEND

- SD — SMOKE DETECTOR
- HD — HEAT DETECTOR
- SD — SMOKE DETECTOR WITH SOUNDER & XENON BEACON
- SD — SMOKE DETECTOR WITHIN VOID
- BREAKGLASS CALL POINT
- XENON FLASHING BEACON
- COMBINED FIRE ALARM SOUNDER & XENON FLASHING BEACON
- REMOTE INDICATOR
- FAP — FIRE ALARM PANEL
- FARP — FIRE ALARM REPEATER PANEL
- SS — SYSTEM STATUS INDICATOR PANEL
- INT — INTERFACE MODULE
- SCI — SHORT CIRCUIT INDICATOR
- PSU — POWER SUPPLY UNIT
- DH — MAGNETIC DOOR HOLD (FIRE ALARM OPERATED)
- FIRE ALARM BELL
- FIRE ALARM SIREN
- FIRE ALARM BUZZER
- FIRE ALARM SOUNDER
- EMERGENCY BREAKGLASS DOOR RELEASE

REVISIONS:



CLIENT

10kg Education Logo.JPG

IMPLEMENTING AGENT

MASHA DESIGN GROUP
Architects & Urban Designers

ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

ENGINEER:

DIKIDA GROUP (PTY) LTD

PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED.

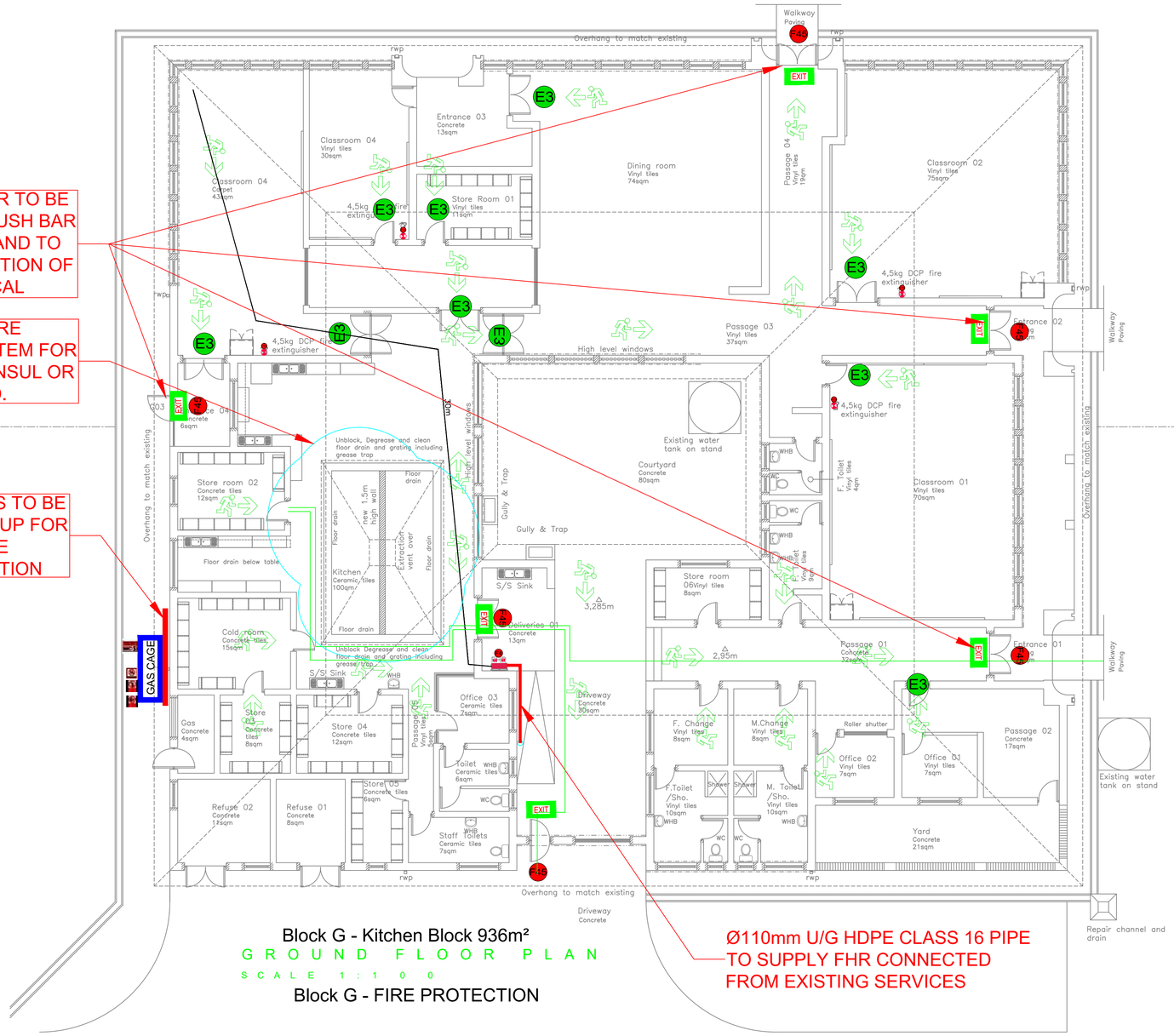
TITLE	BLOCK G - FIRE DETECTION
SCALE: 1:100	DRAWN: KD
DESIGNED: P. MASHIRI	CHECKED: P. MASHIRI

PROJECT NUMBER: 2025-06-19	DATE: 18/03/2026	
	DRAWING NUMBER: THP-BLOCK G- FD- 100	REVISION: Rev 0

FIRE EXIT DOOR TO BE FITTED WITH PUSH BAR MECHANICSM AND TO OPEN IN DIRECTION OF EGRESS, TYPICAL

WET CHEMICAL FIRE PROTECTION SYSTEM FOR CANOPY HOOD, ANSUL OR EQUAL APPROVED.

WINDOWS TO BE BRICKED UP FOR GAS CAGE INSTALLATION



Block G - Kitchen Block 936m²

G R O U N D F L O O R P L A N

S C A L E 1 : 1 0 0

Block G - FIRE PROTECTION

FIRE PROTECTION NOTES

1. All work must comply to the NATIONAL BUILDING REGULATIONS AND BUILDING STANDARDS ACT NO. 103 OF 1977
2. STANDARD APPLICATION TO FIRE INSTALLATION REFERRED TO SANS 10400-W:2011 AND SANS 10400-T:2011
3. OCCUPANCY CLASSIFICATION: **A3** AS PER SANS 10400-A CLAUSE 20.
4. DESIGN POPULATION: **A3**: 1p/5m²
5. 1 x 4.5kg DCP and 1 x 5kg CO_2 EXTINGUISHERS, PER 200 m²OR PART THEREOF, TO BE INSTALLED IN ACCORDANCE WITH SANS 10105 AND CLAUSE 4.37 AND 4.3
6. EXTINGUISHERS,TO BE USED IN THE 1 x 65mm HYDRANT TO BE INSTALLED IN ACCORDANCE WITH SANS 1128: PART L AND CLAUSE 4.35.
7. EXISTING FIRE SERVICES TO BE EXTENDED TO NEW HOSE REEL POSITION/S.
8. WATER SUPPLY TO THE FIREFIGHTING EQUIPMENT TO COMPLY WITH SANS 10400-2011 PART W- AND WITH MBOMBELA WATER BY-LAWS
9. POTABLE FIRE EXTINGUISHERS TO BE HUNG ON PURPOSE MADE BOARDS, AS INDICATED ON PLAN.
10. DOORS IN ESCAPE ROUTES MAY ONLY BE FITTED WITH APPROVED LOCKING DEVICES AND SHALL COMPLY WITH CLAUSE 4.16,4.17,4.19
11. 'B' CLASS FIRE DOORS (ACCESS DOORS) TO BE PROVIDED AND TO COMPLY WITH THE SANS 1253 AND TO BE FITTED WITH APPROVED LOCKING DEVICES.
12. EMERGENCY LIGHTING TO BE INSTALLED AND DESIGNED IN ACCORDANCE WITH SANS 10400 - PART T AND SANS 10114 AND SANS 1464-22, AS PER CLAUSE 4.30.
13. STANDBY POWER SUPPLY TO RUN FIRE SYSTEMS TO BE PROVIDED.
14. PHOTOLUMINESCENT ESCAPE SIGNS TO BE PROVIDED AND TO COMPLY WITH SANS 1186 PART 1 AND 5, AS PER 4.29.
15. PHOTOLUMINESCENT SYMBOLIC SIGNS, INDICATING FIRE EQUIPMENT, TO BE PROVIDED AND TO COMPLY WITH SANS 1186 PART 1 AND 5, AS PER 4.32.
16. SUSPENDED CEILING AND ITS SUPPORTING MEMBERS, SHALL BE OF NON-COMBUSTIBLE MATERIAL.
17. STRUCTURAL ELEMENTS AND COMPONENTS SHALL HAVE A MINIMUM STABILITY RATING OF 60 MINUTES.
18. INSULATION MATERIAL TO COMPLY WITH SANS 428 : 2006.
19. SERVICE PENETRATION TO BE SEALED WITH APPROVED MATERIAL AT EACH FLOOR.
20. STAKING HEIGHT TO COMPLY WITH CLAUSE 4.4B OF SANS 10400-2011 PART T.
21. NO DANGEROUS GOODS WILL BE STORED IN EXCESS OF THE EXEMPT QUANTITIES AS PER SANS 10263-0 ANNEX A.
22. THE HOSE REEL SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS OF THE NATIONAL BUILDING REGULATIONS AND THE MUNICIPALITY.
23. THE SYSTEM SHALL BE DESIGNED SO THAT A PRESSURE OF NOT LESS THAN 300 KPA WILL BE AVAILABLE AT THE WORST HYDRAULICALLY SITUATED HOSE REEL AND WITH A MINIMUM PIPE DIAMETER OF 40 MM AND A FLOW RATE OF 0.5 L/SEC.
24. ALL HOSE REELS SHALL COMPLY WITH THE SABS STANDARD SPECIFICATION 543-1973.
25. EACH NOZZLE SHALL BE PROVIDED WITH NOT MORE THAN 30 METRES OF HOSE, NOT LESS THAN 20 MM INTERNAL DIAMETER AND FITTED WITH A NOZZLE OF 6,35 mm ORIFICE DIAMETER.
26. THE ENTIRE INSTALLATION FOR THE COMMUNICATION PIPE SERVING THE INSTALLATION SHOULD NOT BE LESS THAN 75mm AND ALL PIPES SERVING EACH HOSE REEL SHOULD NOT BE LESS THAN 25mm.
27. EACH HOSE REEL PRESSURE AT THE COMMISSIONING STAGE MUST BE NOT LESS THAN 30m PRESSURE HEAD.
28. LOCATION - THE HOSE REELS DETAILED IN THIS SPECIFICATION SHALL BE POSITIONED AS INDICATED ON THE FIRE PROTECTION PLANS.
29. TESTING - THE ENTIRE SYSTEM SHALL BE ROBUST AND IS TO BE CAPABLE OF HOLDING A PRESSURE OF 50% MORE THAN WORKING PRESSURE OF THE SYSTEM PROPOSED. HYDRAULIC PRESSURE TEST AS PER SANS 10400.
30. PIPES -ALL PIPE WORK ABOVE GROUND SHALL BE BLACK SABS 62/BS 1387 MEDIUM QUALITY
31. ALL PIPE WORK LAID BELOW GROUND SHALL BE BLACK SABS 62/BS 1387 HEAVY QUALITY
32. PIPE WORK PASSING THROUGH WET TRADE WALLS/FLOOR SHALL BE WRAPPED WITH DENSO TAPE TO 50 MM ON EITHER SIDE OF WALL/FLOOR.
33. PIPE FITTINGS - SCREWED PIPE FITTINGS UP TO 150 MM ARE TO BE CAST IRON OR MALLEABLE CAST IRON AND WILL BE THREADED IN ACCORDANCE WITH SABS 1109/BS 21 SO AS TO MAKE A METAL JOINT WHERE JOINTING MATERIAL IS USED.
34. WELDED SECTIONS OF PIPE WILL HAVE FLANGE/COUPLING JOINTS AT SUITABLE INTERVALS TO FACILITATE REMOVAL.

TABLE A	MATERIAL	PIPE SIZE	SUPPORT DISTANCE	
			HORIZONTAL RUNS (mm)	VERTICAL RUNS (mm)
	STEEL	DN 25	2400	3000
		DN 32	2400	3000
		DN 40	2400	3700
		DN 50	2400	3700
		DN 65	3000	4600
		DN 80	3000	4600
		DN 100	3000	4600

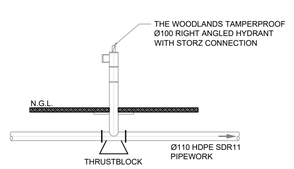
THE WHOLE BUILDING TO BE PROTECTED BY FIRE DETECTION AND VOICE ALARM IN ALL AREAS

ACCESS TO BUILDING TO BE OF SLOPE NOT MORE THAN 1:12 AS PER SANS 10400 PART S

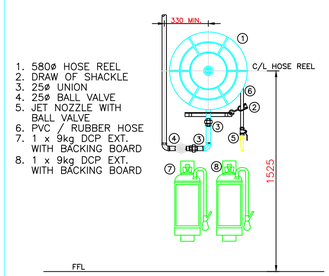
LEGEND

E10		EMERGENCY EXIT ROUTE SIGNAGE (STRAIGHT)
E1		EMERGENCY EXIT ROUTE SIGNAGE (RIGHT)
E2		EMERGENCY EXIT ROUTE SIGN (LEFT)
E6	EXIT	ILLUMINATED EXIT ROUTE SIGNAGE
F4		EMERGENCY FIRE EXTINGUISHER AND FIRE HOSE REEL SIGNAGE
F13		EMERGENCY FIRE EXTINGUISHER SIGNAGE
F6		EMERGENCY FIRE EXTINGUISHER AND FIRE HOSE REEL TO THE RIGHT SIGNAGE
F1		FIRE HYDRANT, FIRE HOSE REEL, FIRE EXTINGUISHER SIGNAGE
F45	FIRE EXIT KEEP CLEAR	FIRE EXIT KEEP CLEAR NOTE
-	C2	OCCUPANCY TYPE
		- 1HR FIRE RATED WALL

NOTE
ALL PIPEWORK ABOVE GROUND LEVEL TO BE GALVANIZED AND BELOW GROUND TO BE HDPE.



TYPICAL HYDRANT AND BOOSTER
SCALE : NTS



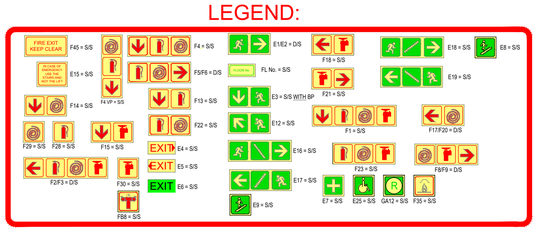
1. 580ø HOSE REEL
2. DRAW OF SHACKLE
3. 25ø UNION
4. 25ø BALL VALVE
5. JET NOZZLE WITH BALL VALVE
6. PVC / RUBBER HOSE
7. 1 x 9kg DCP EXT. WITH BACKING BOARD
8. 1 x 9kg DCP EXT. WITH BACKING BOARD

TYPICAL FIRE HOSEREEL
SCALE : NTS

LEGEND

- FIRE WATER PIPES
- 30m FIRE HOSE REEL
- 4,5 kg DCP FIRE EXTINGUISHER
- 5,0 kg CO2 FIRE EXTINGUISHER
- 9,0 kg DCP FIRE EXTINGUISHER
- EMERGENCY LIGHT FITTINGS
- 1HR FIRE RATED WALL
- 1HR FIRE RATED WALL

LEGEND:



NOTES:
S/S = SINGLE SIDED
D/S = DOUBLE SIDED
BP = BACK PLATE
VP = VERTICAL PLATE

ALL SIGNAGE TO BE PHOTOLUMINESCENT
ALL SIGNAGE TO BE MOUNTED WITHOUT THE USE OF ADHESIVES
AREAS / SHOPS LESS THAN 250m : SIGNAGE MINIMUM HEIGHT OF TO BE 150mm
AREAS / SHOPS OF 250m TO 500m : SIGNAGE MINIMUM HEIGHT TO BE 190mm
AREAS / SHOPS GREATER THAN 500m : SIGNAGE MINIMUM HEIGHT TO BE 290mm
MALL WAY AREAS : SIGNAGE MINIMUM HEIGHT TO BE 290mm
ALL OUTSIDE SIGNAGE TO BE CHROMODEK

REVISIONS:



CLIENT

IMPLEMENTING AGENT

MASHA DESIGN GROUP
Architects & Urban Designers

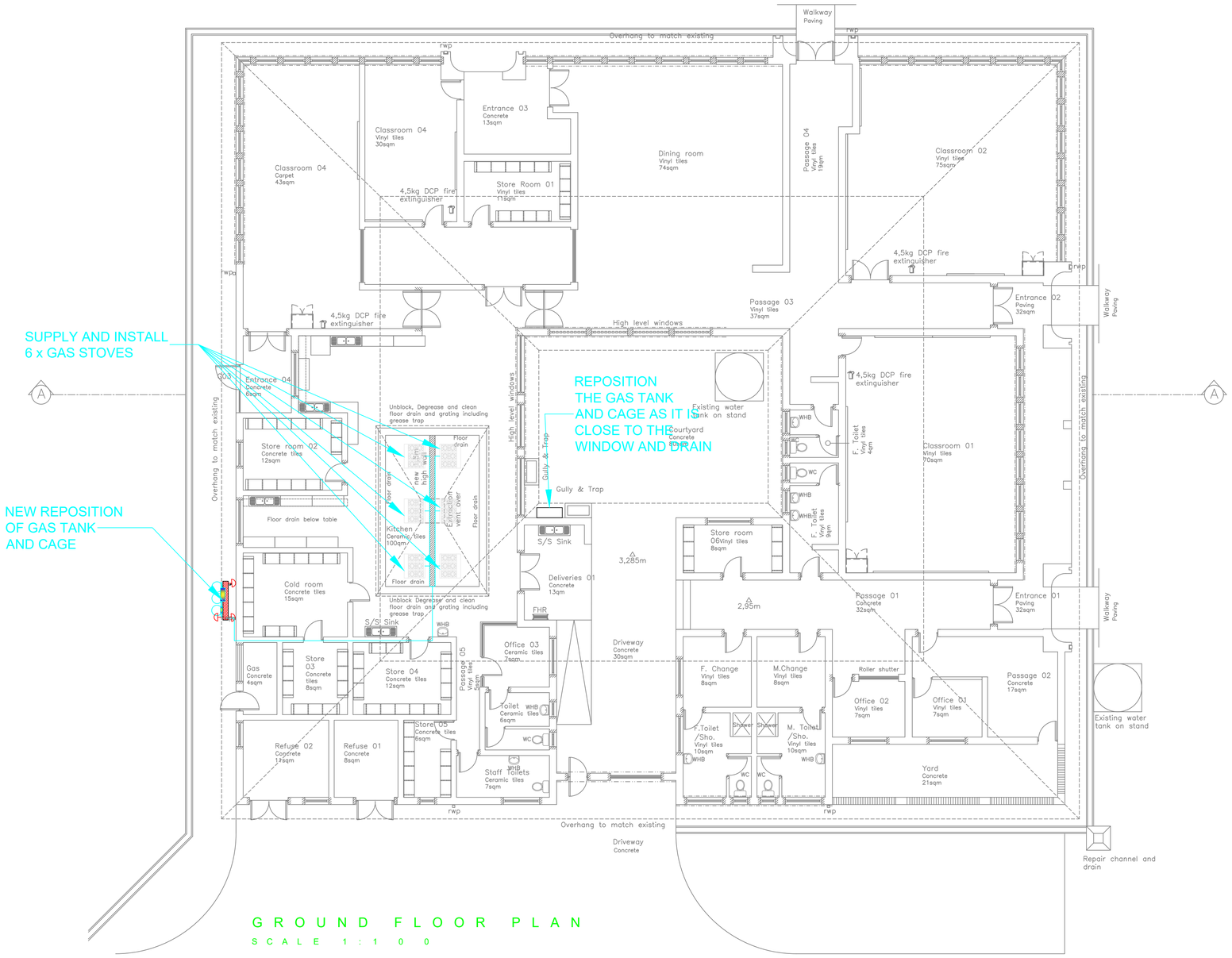
ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

ENGINEER:
DIKIDA GROUP (PTY)LTD

PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED.

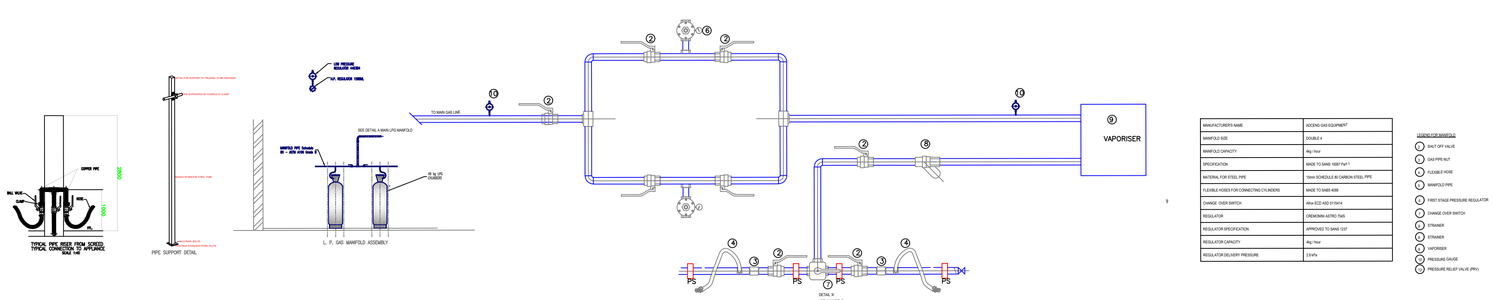
TITLE	BLOCK G - FIRE PROTECTION LAYOUT
SCALE 1:100	DRAWN KD
DESIGNED P. MASHIRI	CHECKED P. MASHIRI

PROJECT NUMBER 2025-06-19	DATE 18/03/2026	
	DRAWING NUMBER THP-BLOCK G-FP- 100	REVISION Rev 0



G R O U N D F L O O R P L A N

S C A L E 1 : 1 0 0



MANUFACTURER'S NAME	ADCENG GAS EQUIPMENT
MANIFOLD SIZE	DOUBLE 4
MANIFOLD CAPACITY	4kg / hour
SPECIFICATION	MADE TO SANS 1689 Part 1
MATERIAL FOR STEEL PIPE	15mm SCHEDULE 80 CARBON STEEL PIPE
FLEXIBLE HOSES FOR CONNECTING CYLINDERS	MADE TO SANS 4589
CHANGE OVER SWITCH	4No ECE-R83 5116/4
REGULATOR	CREMONA ASTRO 7MS
REGULATOR SPECIFICATION	APPROVED TO SANS 1237
REGULATOR CAPACITY	4kg / hour
REGULATOR DELIVERY PRESSURE	2.8 kPa

KEYING FOR MANIFOLD
1. SPACT OFF VALVE
2. GAS PIPE NUT
3. FLEXIBLE HOSE
4. MANIFOLD PIPE
5. FIRST STAGE PRESSURE REGULATOR
6. CHANGE OVER SWITCH
7. STRAINER
8. STRAINER
9. VAPORISER
10. PRESSURE GAUGE
11. PRESSURE RELIEF VALVE (PRV)

REVISIONS:



CLIENT

IMPLEMENTING AGENT

MASHA DESIGN GROUP
Architects & Urban Designers

ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

ENGINEER:

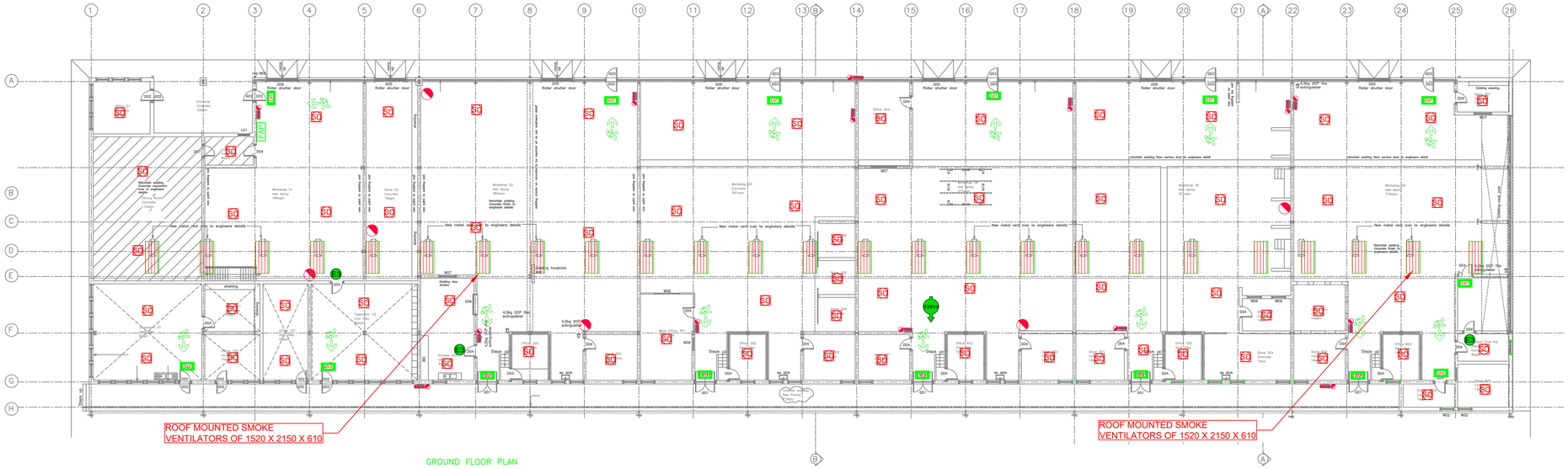
DIKIDA GROUP OPTIO LTD

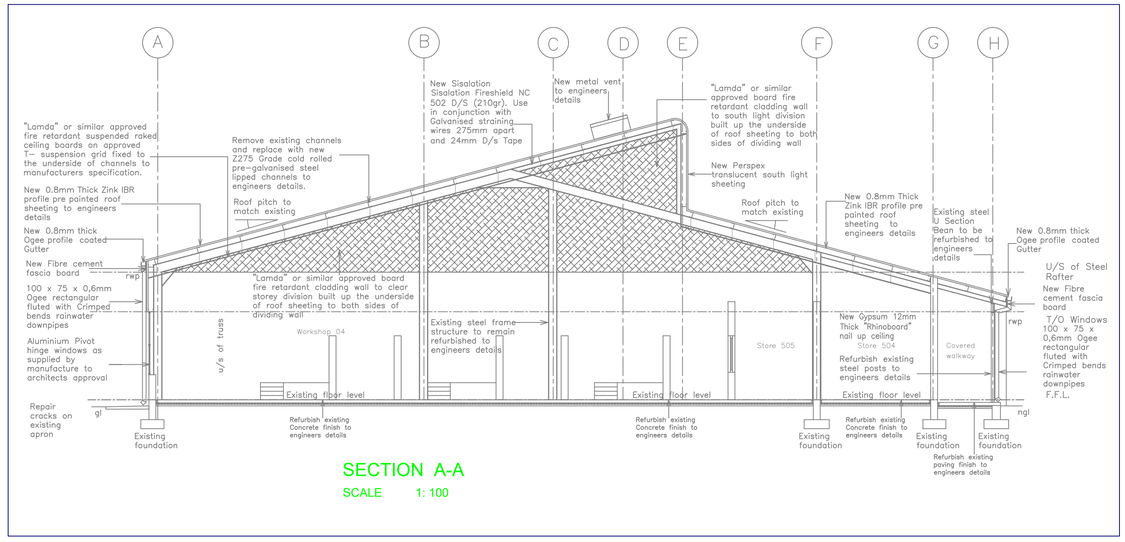
PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED.

TITLE BLOCK G - LPG INSTALLATION PLAN

SCALE	DRAWN
1:100	KD
DESIGNED	CHECKED
P. MASHIRI	P . MASHIRI

PROJECT NUMBER	DATE	
2025-06-19	18/03/2026	
	DRAWING NUMBER	REVISION
	THP-BLOCK G-LPG- 100	Rev 0





SECTION A-A
SCALE 1: 100

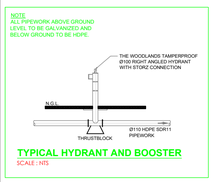


PROGRAMMING NOTES
1. The all detection zones must be activated only by devices within their zones 2. Notification Scenario is to be activate on single knock of devices. Note that troubleshooting shall be required to purge the system of these alarms. 3. Fire Scenario is to be activated upon the following conditions: 3.1 A double knock on optical sensors 3.2 Single knock optical sensor / Single knock heat sensor 3.3 Double knock heat sensors 3.4 Single knock breakglass unit along with condition 3.1 or 3.2 or 3.3 4. Fire Scenario within a detection zone must initiate the following: 4.1 Switch HVAC fire dampers closed 4.2 Switch HVAC systems OFF 4.3 Other controls that consultants may deem necessary to switch during such scenario

GENERAL NOTES
1) The fire detection system shall comply with SANS 10139. 2) The fire detection devices shall conform with EN 54. 3) The fire control panel shall be surface mounted at 1500mm affl. at the indicated position. The exact position shall be determined on site. 4) Indication lights shall be installed below the ceiling for the detectors mounted in the ceiling void. 5) The break glass shall be surface mounted at 1400mm affl. at the position as indicated. 6) The devices shall also be installed according to the manufacturer's manual and specifications. 7) Install all the conduits, trunking and other wireways that are required for the installation. The trunking and conduits installation shall be coordinated with the electrical and mechanical contractors. 8) The fire control panel shall be installed complete with batteries and charger as recommended and supplied by the manufacturer. 9) The sensors shall be installed at least 300mm away from the light fittings. This shall be coordinated with the electrical contractor. 10) The position of the break glass or call point shall be coordinated with the position of the light switches. 11) The contractor shall ensure that acceptable sound output levels are achieved with a calibrated dB meter against the ambient noise levels as recommended in the standard. 12) Relays and or 12V/24V potential free relay contacts shall be installed to open the dampers for HVAC systems. 13) The power to the control panel shall be supplied by an electrically qualified and professional individual, with an isolator in the ceiling void. The isolator and the circuit breaker (shall be used solely be for the control panel) feading the control panel shall be labeled" FIRE ALARM, DO NOT SWITCH OFF" 14) Install trunking (Supplied by the Detection Contractor) to follow loop wire as indicated and tap off to the devices using 25mm diameter steel galvanized conduit or bosal. The exact routes and final positions shall be coordinated with the electrical and mechanical contractors 15) Install the MAM R.A.C. 2000 transmitter in the ceiling void and link it through 25mm PVC conduit to the control panel. 16) Ensure that transmitter is compatible with the MAM R.A.C. 2000 Receiver installed in the guard room by others. 17) All ZP3 control panels to be supplied with Class A network loop card (ZP3AB-NML2), eight programmable output card (ZP3AB-RL8) and Newtwork card (ZP3AB-NET1). 18) All void detection to be reticulated through conduit to the underside slab or roof. 19) All ZP3 RDUB1 Repeat display units to be supplied with ZP3AB-SCB serial control bus driver

FIRE DETECTION LEGEND

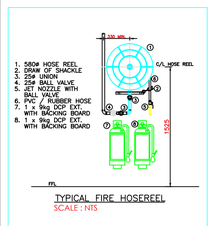
SD	SMOKE DETECTOR
HD	HEAT DETECTOR
	SMOKE DETECTOR WITH SOUNDER & XENON
	SMOKE DETECTOR WITHIN VOID
	BREAKGLASS CALL POINT
	XENON FLASHING BEACON
	COMBINED FIRE ALARM SOUNDER & XENON FLASHING BEACON
	REMOTE INDICATOR
FAP	FIRE ALARM PANEL
FARP	FIRE ALARM REPEATER PANEL
SSP	SYSTEM STATUS INDICATOR PANEL
INT	INTERFACE MODULE
SCI	SHORT CIRCUIT INDICATOR
PSU	POWER SUPPLY UNIT
	MAGNETIC DOOR HOLD (FIRE ALARM OPER/
	FIRE ALARM BELL
	FIRE ALARM SIREN
	FIRE ALARM BUZZER
	FIRE ALARM SOUNDER
	EMERGENCY BREAKGLASS DOOR RELEASE



TYPICAL HYDRANT AND BOOSTER
SCALE : NTS

LEGEND

E10	EXIT	EMERGENCY EXIT ROUTE SIGNAGE (STRAIGHT)
E1		EMERGENCY EXIT ROUTE SIGNAGE (RIGHT)
E2		EMERGENCY EXIT ROUTE SIGN (LEFT)
E6	EXIT	ILLUMINATED EXIT ROUTE SIGNAGE
F4		EMERGENCY FIRE EXTINGUISHER AND FIRE HOSE REEL SIGNAGE
F13		EMERGENCY FIRE EXTINGUISHER SIGNAGE
F6		EMERGENCY FIRE EXTINGUISHER AND FIRE HOSE REEL TO THE RIGHT SIGNAGE
F1		FIRE HYDRANT, FIRE HOSE REEL, FIRE EXTINGUISHER SIGNAGE
F45	FIRE EXIT KEEP CLEAR	FIRE EXIT KEEP CLEAR NOTE
-	C2	OCCUPANCY TYPE
		1HR FIRE RATED WALL



LEGEND

- FIRE WATER PIPES
- 30m FIRE HOSE REEL
- 4,5 kg DCP FIRE EXTINGUISHER
- 5,0 kg CO2 FIRE EXTINGUISHER
- 9,0 kg DCP FIRE EXTINGUISHER
- EMERGENCY LIGHT FITTINGS
- 1HR FIRE RATED WALL
- 1HR FIRE RATED WALL

LEGEND:



NOTES:
SW = SINGLE SIDED
DS = DOUBLE SIDED
BP = BACK PLATE
VP = VERTICAL PLATE

ALL SIGNAGE TO BE PHOTOLUMINESCENT
ALL SIGNAGE TO BE MOUNTED WITHOUT THE USE OF ADHESIVES
AREAS / SHOPS LESS THAN 200m - SIGNAGE MINIMUM HEIGHT OF TO BE 100mm
AREAS / SHOPS 200m - 500m - SIGNAGE MINIMUM HEIGHT TO BE 150mm
AREAS / SHOPS GREATER THAN 500m - SIGNAGE MINIMUM HEIGHT TO BE 200mm
MALL WAY AREAS - SIGNAGE MINIMUM HEIGHT TO BE 250mm
ALL OUTSIDE SIGNAGE TO BE CHROMADEK

PIPE SUPPORTS SPACING			
MATERIAL	PIPE SIZE	SUPPORT DISTANCE	
		HORIZONTAL RUNS (mm)	VERTICAL RUNS (mm)
TABLE A STEEL	DN 25	2400	3000
	DN 32	2400	3000
	DN 40	2400	3700
	DN 50	2400	3700
	DN 65	3000	4600
	DN 80	3000	4600
	DN 100	3000	4600

ACCESS TO BUILDING TO BE OF SLOPE NOT MORE THAN 1:12 AS PER SANS 10400 PART S

FIRE PROTECTION NOTES

1. All work must comply to the NATIONAL BUILDING REGULATIONS AND BUILDING STANDARDS ACT NO. 103 OF 1977
2. STANDARD APPLICATION TO FIRE INSTALLATION REFERRED TO SANS 10400-W:2011 AND SANS 10400-T:2011
3. OCCUPANCY CLASSIFICATION: **A3 & G1** AS PER SANS 10400-A CLAUSE 20.
4. DESIGN POPULATION: **A3**: 1p/15m²
5. 1 x 4.5kg DCP and 1 x 5kg CO_2 EXTINGUISHERS, PER 200 m²OR PART THEREOF, TO BE INSTALLED IN ACCORDANCE WITH SANS 10105 AND CLAUSE 4.37 AND 4.3
6. EXTINGUISHERS,TO BE USED IN THE 1 x 65mm HYDRANT TO BE INSTALLED IN ACCORDANCE WITH SANS 1128: PART L. AND CLAUSE 4.35.
7. EXISTING FIRE SERVICES TO BE EXTENDED TO NEW HOSE REEL POSITION/S.
8. WATER SUPPLY TO THE FIREFIGHTING EQUIPMENT TO COMPLY WITH SANS 10400-2011 PART W- AND WITH MBOMBELA WATER BY-LAWS
9. POTABLE FIRE EXTINGUISHERS TO BE HUNG ON PURPOSE MADE BOARDS, AS INDICATED ON PLAN.
10. DOORS IN ESCAPE ROUTES MAY ONLY BE FITTED WITH APPROVED LOCKING DEVICES AND SHALL COMPLY WITH CLAUSE 4.16,4.17,4.19
11. 'B' CLASS FIRE DOORS (ACCESS DOORS) TO BE PROVIDED AND TO COMPLY WITH THE SANS 1253 AND TO BE FITTED WITH APPROVED LOCKING DEVICES.
12. EMERGENCY LIGHTING TO BE INSTALLED AND DESIGNED IN ACCORDANCE WITH SANS 10400 - PART T AND SANS 10114 AND SANS 1464-22, AS PER CLAUSE 4.30.
13. STANDBY POWER SUPPLY TO RUN FIRE SYSTEMS TO BE PROVIDED.
14. PHOTOLUMINESCENT ESCAPE SIGNS TO BE PROVIDED AND TO COMPLY WITH SANS 1186 PART 1 AND 5, AS PER 4.29.
15. PHOTOLUMINESCENT SYMBOLIC SIGNS, INDICATING FIRE EQUIPMENT, TO BE PROVIDED AND TO COMPLY WITH SANS 1186 PART 1 AND 5, AS PER 4.32.
16. SUSPENDED CEILING AND ITS SUPPORTING MEMBERS, SHALL BE OF NON-COMBUSTIBLE MATERIAL.
17. STRUCTURAL ELEMENTS AND COMPONENTS SHALL HAVE A MINIMUM STABILITY RATING OF 60 MINUTES.
18. INSULATION MATERIAL TO COMPLY WITH SANS 428 : 2006.
19. SERVICE PENETRATION TO BE SEALED WITH APPROVED MATERIAL AT EACH FLOOR.
20. STAKING HEIGHT TO COMPLY WITH CLAUSE 4.4B OF SANS 10400-2011 PART T.
21. NO DANGEROUS GOODS WILL BE STORED IN EXCESS OF THE EXEMPT QUANTITIES AS PER SANS 10263-0 ANNEX A.
22. THE HOSE REEL SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS OF THE NATIONAL BUILDING REGULATIONS AND THE MUNICIPALITY.
23. THE SYSTEM SHALL BE DESIGNED SO THAT A PRESSURE OF NOT LESS THAN 300 KPA WILL BE AVAILABLE AT THE WORST HYDRAULICALLY SITUATED HOSE REEL AND WITH A MINIMUM PIPE DIAMETER OF 40 MM AND A FLOW RATE OF 0,5 L/SEC.
24. ALL HOSE REELS SHALL COMPLY WITH THE SABS STANDARD SPECIFICATION 543-1973.
25. EACH NOZZLE SHALL BE PROVIDED WITH NOT MORE THAN 30 METRES OF HOSE, NOT LESS THAN 20 MM INTERNAL DIAMETER AND FITTED WITH A NOZZLE OF 6,35 mm ORIFICE DIAMETER.
26. THE ENTIRE INSTALLATION FOR THE COMMUNICATION PIPE SERVING THE INSTALLATION SHOULD NOT BE LESS THAN 75mm AND ALL PIPES SERVING EACH HOSE REEL SHOULD NOT BE LESS THAN 25mm.
27. EACH HOSE REEL PRESSURE AT THE COMMISSIONING STAGE MUST BE NOT LESS THAN 30m PRESSURE HEAD.
28. LOCATION - THE HOSE REELS DETAILED IN THIS SPECIFICATION SHALL BE POSITIONED AS INDICATED ON THE FIRE PROTECTION PLANS.
29. TESTING - THE ENTIRE SYSTEM SHALL BE ROBUST AND IS TO BE CAPABLE OF HOLDING A PRESSURE OF 50% MORE THAN WORKING PRESSURE OF THE SYSTEM PROPOSED. HYDRAULIC PRESSURE TEST AS PER SANS 10400.
30. PIPES -ALL PIPE WORK ABOVE GROUND SHALL BE BLACK SABS 62/BS 1387 MEDIUM QUALITY
31. ALL PIPE WORK LAID BELOW GROUND SHALL BE BLACK SABS 62/BS 1387 HEAVY QUALITY
32. PIPE WORK PASSING THROUGH WET TRADE WALLS/FLOOR SHALL BE WRAPPED WITH DENSO TAPE TO 50 MM ON EITHER SIDE OF WALL/FLOOR.
33. PIPE FITTINGS - SCREWED PIPE FITTINGS UP TO 150 MM ARE TO BE CAST IRON OR MALLEABLE CAST IRON AND WILL BE THREADED IN ACCORDANCE WITH SABS 1109/BS 21 SO AS TO MAKE A METAL JOINT WHERE JOINTING MATERIAL IS USED.
34. WELDED SECTIONS OF PIPE WILL HAVE FLANGE/COUPLING JOINTS AT SUITABLE INTERVALS TO FACILITATE REMOVAL.

REVISIONS:

CLIENT

Province of the EASTERN CAPE REPUBLIC OF SOUTH AFRICA

ARCHITECTS

MASHA DESIGN GROUP Architects & Urban Designers

ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

ENGINEER:

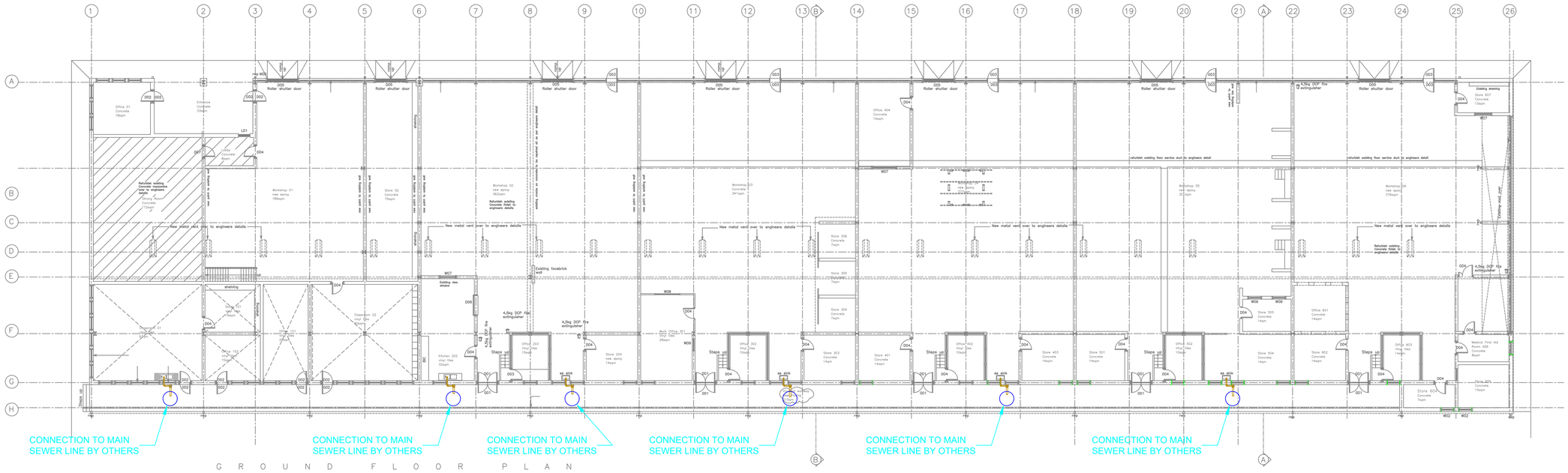
DIKIDA GROUP (PTY) LTD

PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED.

TITLE BLOCK M (WEST) - FIRE PROTECTION AND FIRE DETECTION LAYOUT

SCALE	DRAWN
1:100	K. MHLANGA
DESIGNED	CHECKED
P. MASHIRI	P. MASHIRI

PROJECT NUMBER	DATE	
2026-03-19	05/03/2026	
	DRAWING NUMBER	REVISION
	THP-WSHOP-FIRE-01-1	Rev A



G R O U N D F L O O R P L A N

S C A L E 1 : 1 0 0

G R O U N D F L O O R P L A N

S C A L E 1 : 1 0 0

GENERAL NOTES:

1. ALL HOT WATER PIPES TO BE INSULATED
2. ALL PRIMARY CO-ORDINATION TO BE THE RESPONSIBILITY OF THE PRINCIPAL AGENT.
3. ALL WASHING MACHINES AND KITCHEN SINK CONNECTION POINTS TO BE CAREFULLY CO-ORDINATED WITH THE ARCHITECTS BATHROOM AND KITCHEN LAYOUTS AND THE KITCHEN CABINETRY MANUFACTURERS LAYOUTS.
4. ALL COPPER PIPING USED MUST BE CLASS 0.
5. ALL HOT WATER PIPES TO BE INSULATED WITH INSULATION WITH THE R – VALUES = 1 FOR PIPES LESS 80mm AND R-VALUE OF 1.5 PIPES BIGGER THAN 80mm (REFER TO SANS 10400-XA)
6. ALL ISOLATING VALVES SIZES TO BE EQUAL TO THE CORRESPONDING PIPE.
7. ALL EXPOSED PIPES AND PLANT ROOM PIPE TO BE INSULATED AND CLADDED WITH ALUMINUM CLADDING.
8. PIPES TO BE INSTALLED AS PER MANUFACTURER RECOMMENDATIONS.
9. ALL INTERNAL HOT & COLD WATER PIPES TO BE COPPER CLASS "0"
10. ALL PIPE DIAMETERS INDICATED ON THE DRAWINGS ARE OUT SIDE DIAMETERS.
11. ALL UNDERGROUND WATER PIPES TO BE HDPE PE100 OR PVC AS INDICATED ON THE DRAWINGS

WATER SUPPLY LEGEND

A	
D	
E	
H	

WET-SERVICES EQUIPMENT SCHEDULE					
CODE	SIZE DESCRIPTION	TANK	WATER TEMP	Power Supply	QTY
HP1	10kW HEAT PUMP	500L TANK c/w HEATING ELEMENT	55	380V/9kW	1 SET
P1	CIRCULATION PUMP	120L/min @ 2Bar c/w valves & mounting brackets	-	380V/3kW	3 SET

CLIENT

Province of the EASTERN CAPE REPUBLIC OF SOUTH AFRICA

ARCHITECTS

MASHA DESIGN GROUP architects & urban designers

ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

Pty(Ltd): 2019/293991/07
28 Steward Drive
Berea
East London
5241
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132
www.mashadesigns.co.za • sithembele@mashadesigns.co.za

ENGINEER:

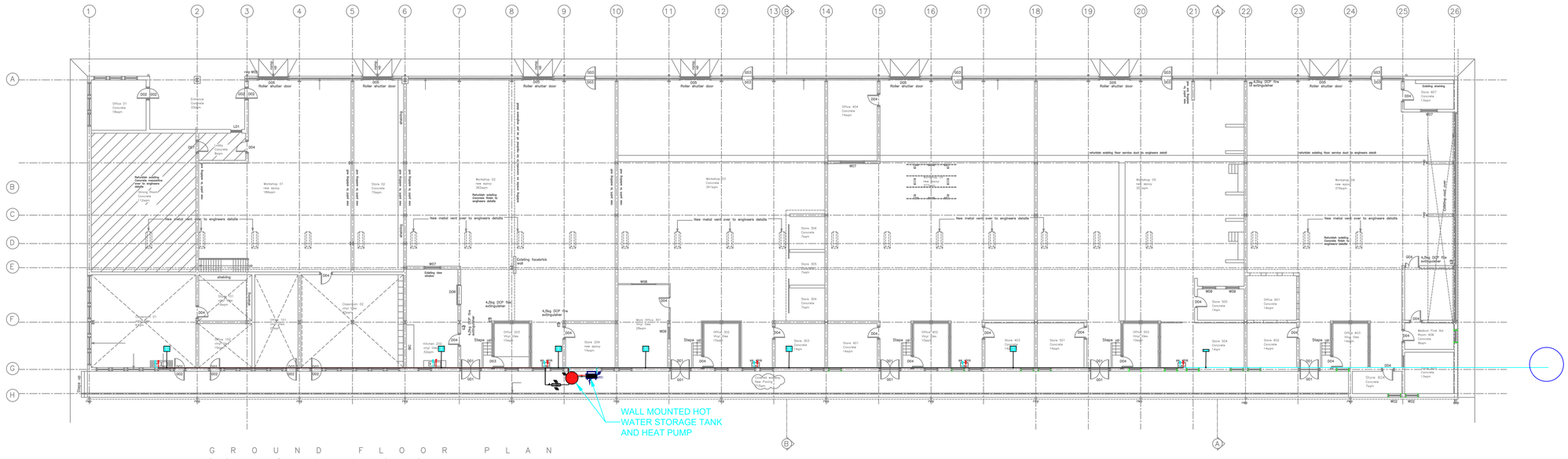
DIKIDA GROUP (PTY) LTD

PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED. (GIRLS/BOYS HOSTEL)

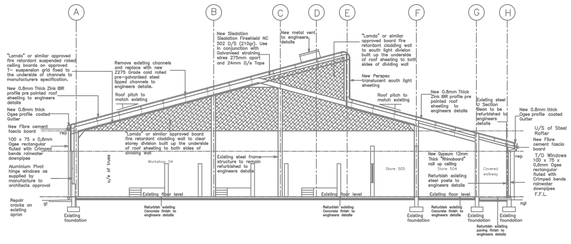
TITLE BLOCK M GROUND, FIRST, SEC. ELEVATIONS WET SERVICES LAYOUT

SCALE	DRAWN
1:100	K. Mhlanga
DESIGNED	CHECKED
P. Mashiri PrEng (20110518)	P. Mashiri

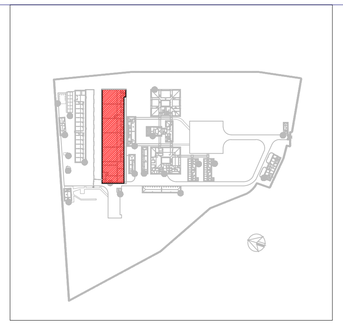
PROJECT NUMBER	DATE	
2026-03-29	11/03/2026	
	DRAWING NUMBER	REVISION
	THP-HOSTEL-WS-600	Rev A



G R O U N D F L O O R P L A N
S C A L E 1 : 1 0 0



G R O U N D F L O O R P L A N
S C A L E 1 : 1 0 0



GENERAL NOTES:

1. ALL HOT WATER PIPES TO BE INSULATED
2. ALL PRIMARY CO-ORDINATION TO BE THE RESPONSIBILITY OF THE PRINCIPAL AGENT.
3. ALL WASHING MACHINES AND KITCHEN SINK CONNECTION POINTS TO BE CAREFULLY CO-ORDINATED WITH THE ARCHITECTS BATHROOM AND KITCHEN LAYOUTS AND THE KITCHEN CABINETRY MANUFACTURERS LAYOUTS.
4. ALL COPPER PIPING USED MUST BE CLASS 0.
5. ALL HOT WATER PIPES TO BE INSULATED WITH INSULATION WITH THE R – VALUES = 1 FOR PIPES LESS 80mm AND R-VALUE OF 1.5 PIPES BIGGER THAN 80mm (REFER TO SANS 10400-XA)
6. ALL ISOLATING VALVES SIZES TO BE EQUAL TO THE CORRESPONDING PIPE.
7. ALL EXPOSED PIPES AND PLANT ROOM PIPE TO BE INSULATED AND CLADDED WITH ALUMINUM CLADDING.
8. PIPES TO BE INSTALLED AS PER MANUFACTURER RECOMMENDATIONS.
9. ALL INTERNAL HOT & COLD WATER PIPES TO BE COPPER CLASS "0"
10. ALL PIPE DIAMETERS INDICATED ON THE DRAWINGS ARE OUT SIDE DIAMETERS.
11. ALL UNDERGROUND WATER PIPES TO BE HDPE PE100 OR PVC AS INDICATED ON THE DRAWINGS

WATER SUPPLY LEGEND

A

D

E

H

WET-SERVICES EQUIPMENT SCHEDULE

CODE	SIZE DESCRIPTION	TANK	WATER TEMP	Power Supply	QTY
HP1	10kW HEAT PUMP	500L TANK c/w HEATING ELEMENT	55	380V/3kW	1 SET
P1	CIRCULATION PUMP	120L/min @ 2Bar c/w valves & mounting brackets	-	380V/3kW	3 SET

CLIENT
SIGNATURE:

IMPLEMENTING AGENT
SIGNATURE:

CONSORTIUM
SIGNATURE:

ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

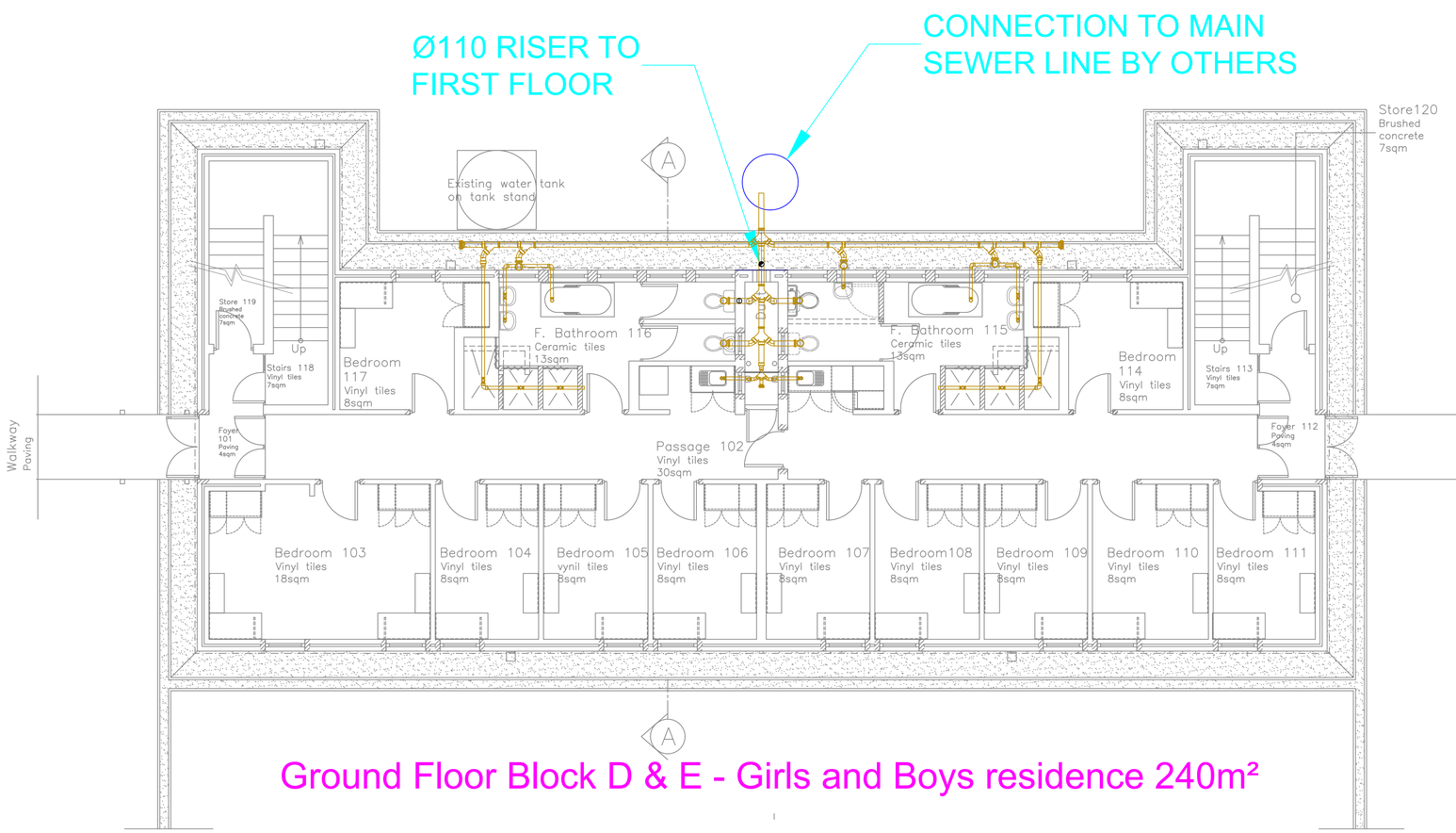
ENGINEER:

PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED.

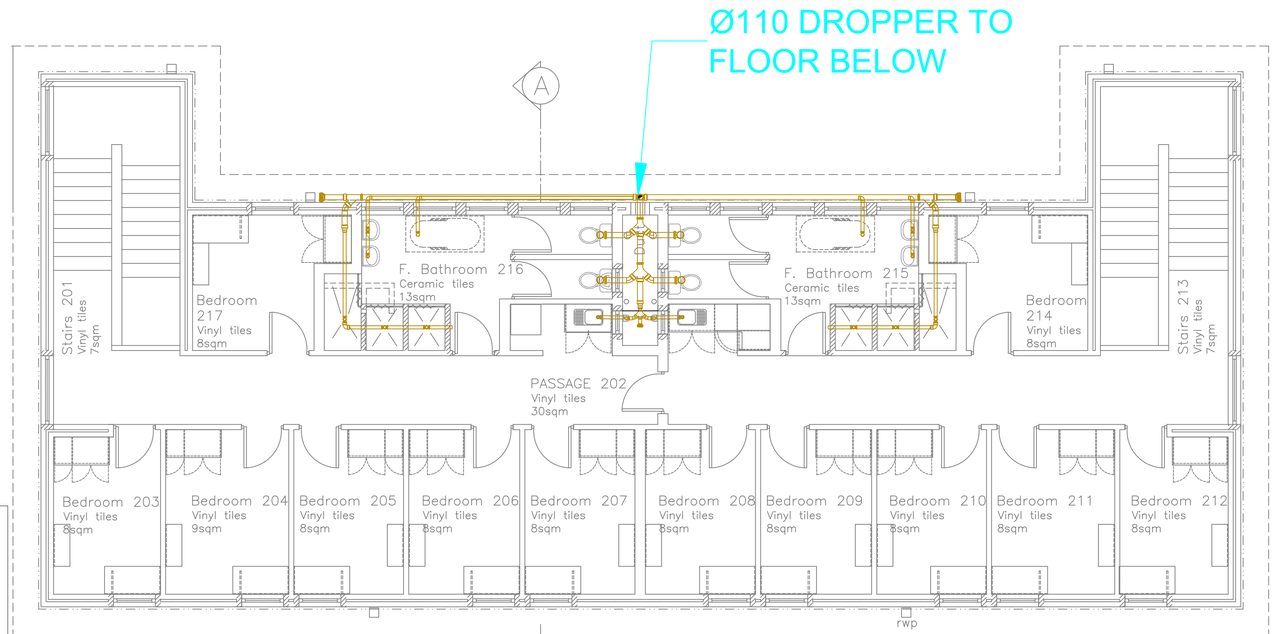
TITLE BLOCK M - WATER SUPPLY

SCALE	DRAWN
1:100	K. MHLANGA
DESIGNED	CHECKED
P. MASHIRI	P. MASHIRI

PROJECT NUMBER	DATE	
2026-03-19	DRAWING NUMBER	05/03/2026
	THP-WSHOP-WS-01	REVISION Rev 0

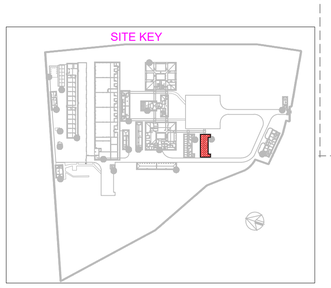


Ground Floor Block D & E - Girls and Boys residence 240m²



First Floor Block D & E - Girls and Boys residence 240m²

SITE KEY



DRAINAGE LEGEND

	–	Ø110 HDPE WASTE PIPE
	–	Ø110 HDPE VENT PIPE
	–	Ø110 HDPE RWP
	–	Ø110 HDPE WASTE PIPE
	–	Ø110 HDPE VENT PIPE
	–	Ø110 HDPE RWP
G		
	–	Ø110 HDPE WASTE PIPE
	–	Ø110 HDPE VENT PIPE
	–	Ø110 HDPE RWP
(A)	–	Ø56 HDPE WASTE PIPE TO Ø110 MAIN DRAIN BELOW
(E)	–	Ø110 HDPE WC SOIL PIPE TO Ø110 STACK IN/ON WALL

DRAINAGE NOTES:

- ALL DRAINAGE RETICULATION TO BE IN ACCORDANCE WITH LOCAL BUILDING REGULATIONS & SANS 10400 part P.
- ADEQUATE ACCESS TO BE PROVIDED FOR INSPECTION,TESTING AND MAINTENANCE
- ALL DRAINS TO HAVE ACCESS EVERY 25m
- LARGE RADIUS BENDS TO BE USED AT THE BASE OF STACKS
- DEEP SEAL TRAPS TO BE USED THROUGHOUT
- VENT PIPES TO RISE THROUGHOUT THEIR LENGTHS AND DISCHARGE TO ATMOSPHERE.
- MANHOLES OR RODDING EYES TO BE CHANGE OF DRAINAGE DIRECTIONS
- ALL WASTE FITTINGS WHERE SHOWN TO BE PROVIDED WITH TRAPS WITH INTEGRAL ONE WAY VENT VALVE SWITCH INTEGRAL VENT VALVES TO OMIT TRAP VENTS AS PER N.B.R P.P 18.8
- MINIMUM FALLS FOR 110mm DRAINS TO BE 1:60 FALL;AND FOR 160mm DRAINS TO BE 1:200 FALL
- ALL WASTE PIPES LONGER THAN 6m TO INCREASE ONE NOMINAL PIPE SIZE TO A MAXIMUM OF 10m TO OMIT VENT PIPES AS PER N.B.R P.P 18.4
- ALL RELEVANT DETAILS, LEVELS, DIMENSIONS MUST BE CHECKED ON SITE BEFORE COMMENCEMENT OF ANY WORK
- THIS DRAWING MAY NOT BE SCALED . ONLY FIGURED DIMENSIONS AND LEVELS MAY BE USED.

FIRE PROTECTION NOTES

1. All work must comply to the NATIONAL BUILDING REGULATIONS AND BUILDING STANDARDS ACT NO. 103 OF 1977
2. STANDARD APPLICATION TO FIRE INSTALLATION REFERRED TO SANS 10400-W:2011 AND SANS 10400-T:2024
3. OCCUPANCY CLASSIFICATION: **H2** AS PER SANS 10400-A CLAUSE 20.
4. DESIGN POPULATION: **H2**: 1p/5m²
5. 1 x 4.5kg DCP and 1 x 5kg CO_2 EXTINGUISHERS, PER 200 m²OR PART THEREOF, TO BE INSTALLED IN ACCORDANCE WITH SANS 10105 AND CLAUSE 4.37 AND 4.3
6. EXTINGUISHERS,TO BE USED IN THE 1 x 65mm HYDRANT TO BE INSTALLED IN ACCORDANCE WITH SANS 1128: PART L. AND CLAUSE 4.35.
7. EXISTING FIRE SERVICES TO BE EXTENDED TO NEW HOSE REEL POSITION/S.
8. WATER SUPPLY TO THE FIREFIGHTING EQUIPMENT TO COMPLY WITH SANS 10400-2011 PART W- AND WITH MBOMBELA WATER BY-LAWS
9. POTABLE FIRE EXTINGUISHERS TO BE HUNG ON PURPOSE MADE BOARDS, AS INDICATED ON PLAN.
10. DOORS IN ESCAPE ROUTES MAY ONLY BE FITTED WITH APPROVED LOCKING DEVICES AND SHALL COMPLY WITH CLAUSE 4.16,4.17,4.19
11. 'B' CLASS FIRE DOORS (ACCESS DOORS) TO BE PROVIDED AND TO COMPLY WITH THE SANS 1253 AND TO BE FITTED WITH APPROVED LOCKING DEVICES.
12. EMERGENCY LIGHTING TO BE INSTALLED AND DESIGNED IN ACCORDANCE WITH SANS 10400 - PART T AND SANS 10114 AND SANS 1464-22, AS PER CLAUSE 4.30.
13. STANDBY POWER SUPPLY TO RUN FIRE SYSTEMS TO BE PROVIDED.
14. PHOTOLUMINESCENT ESCAPE SIGNS TO BE PROVIDED AND TO COMPLY WITH SANS 1186 PART 1 AND 5, AS PER 4.29.
15. PHOTOLUMINESCENT SYMBOLIC SIGNS, INDICATING FIRE EQUIPMENT, TO BE PROVIDED AND TO COMPLY WITH SANS 1186 PART 1 AND 5, AS PER 4.32.
16. SUSPENDED CEILING AND ITS SUPPORTING MEMBERS, SHALL BE OF NON-COMBUSTIBLE MATERIAL.
17. STRUCTURAL ELEMENTS AND COMPONENTS SHALL HAVE A MINIMUM STABILITY RATING OF 60 MINUTES.
18. INSULATION MATERIAL TO COMPLY WITH SANS 428 : 2006.
19. SERVICE PENETRATION TO BE SEALED WITH APPROVED MATERIAL AT EACH FLOOR.
20. STAKING HEIGHT TO COMPLY WITH CLAUSE 4.4B OF SANS 10400-2024 PART T.
21. NO DANGEROUS GOODS WILL BE STORED IN EXCESS OF THE EXEMPT QUANTITIES AS PER SANS 10263-0 ANNEX A.
22. THE HOSE REEL SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS OF THE NATIONAL BUILDING REGULATIONS AND THE MUNICIPALITY.
23. THE SYSTEM SHALL BE DESIGNED SO THAT A PRESSURE OF NOT LESS THAN 300 KPA WILL BE AVAILABLE AT THE WORST HYDRAULICALLY SITUATED HOSE REEL AND WITH A MINIMUM PIPE DIAMETER OF 40 MM AND A FLOW RATE OF 0,5 L/SEC.
24. ALL HOSE REELS SHALL COMPLY WITH THE SABS STANDARD SPECIFICATION 543-1973.
25. EACH NOZZLE SHALL BE PROVIDED WITH NOT MORE THAN 30 METRES OF HOSE, NOT LESS THAN 20 MM INTERNAL DIAMETER AND FITTED WITH A NOZZLE OF 6,35 mm ORIFICE DIAMETER.
26. THE ENTIRE INSTALLATION FOR THE COMMUNICATION PIPE SERVING THE INSTALLATION SHOULD NOT BE LESS THAN 75mm AND ALL PIPES SERVING EACH HOSE REEL SHOULD NOT BE LESS THAN 25mm.
27. EACH HOSE REEL PRESSURE AT THE COMMISSIONING STAGE MUST BE NOT LESS THAN 30m PRESSURE HEAD.
28. LOCATION - THE HOSE REELS DETAILED IN THIS SPECIFICATION SHALL BE POSITIONED AS INDICATED ON THE FIRE PROTECTION PLANS.
29. TESTING - THE ENTIRE SYSTEM SHALL BE ROBUST AND IS TO BE CAPABLE OF HOLDING A PRESSURE OF 50% MORE THAN WORKING PRESSURE OF THE SYSTEM PROPOSED. HYDRAULIC PRESSURE TEST AS PER SANS 10400.
30. PIPES ALL PIPE WORK ABOVE GROUND SHALL BE BLACK SABS 62/BS 1387 MEDIUM QUALITY
31. ALL PIPE WORK LAID BELOW GROUND SHALL BE BLACK SABS 62/BS 1387 HEAVY QUALITY
32. PIPE WORK PASSING THROUGH WET TRADE WALLS/FLOOR SHALL BE WRAPPED WITH DENSO TAPE TO 50 MM ON EITHER SIDE OF WALL/FLOOR.
33. PIPE FITTINGS - SCREWED PIPE FITTINGS UP TO 150 MM ARE TO BE CAST IRON OR MALLEABLE CAST IRON AND WILL BE THREADED IN ACCORDANCE WITH SABS 1109/BS 21 SO AS TO MAKE A METAL JOINT WHERE JOINTING MATERIAL IS USED.
34. WELDED SECTIONS OF PIPE WILL HAVE FLANGE/COUPLING JOINTS AT SUITABLE INTERVALS TO FACILITATE REMOVAL.

CLIENT

Province of the EASTERN CAPE REPUBLIC OF SOUTH AFRICA

ARCHITECTS

MASHA DESIGN GROUP

ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

Pty(Ltd): 2019/293991/07
28 Steward Drive
Berea
East London
5241
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132
www.mashadesigns.co.za • sithembele@mashadesigns.co.za

ENGINEER:

DIKIDA GROUP (PTY) LTD

PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED. (GIRLS/BOYS HOSTEL)

TITLE BLOCK D GROUND, FIRST, SEC. ELEVATIONS WET SERVICES LAYOUT

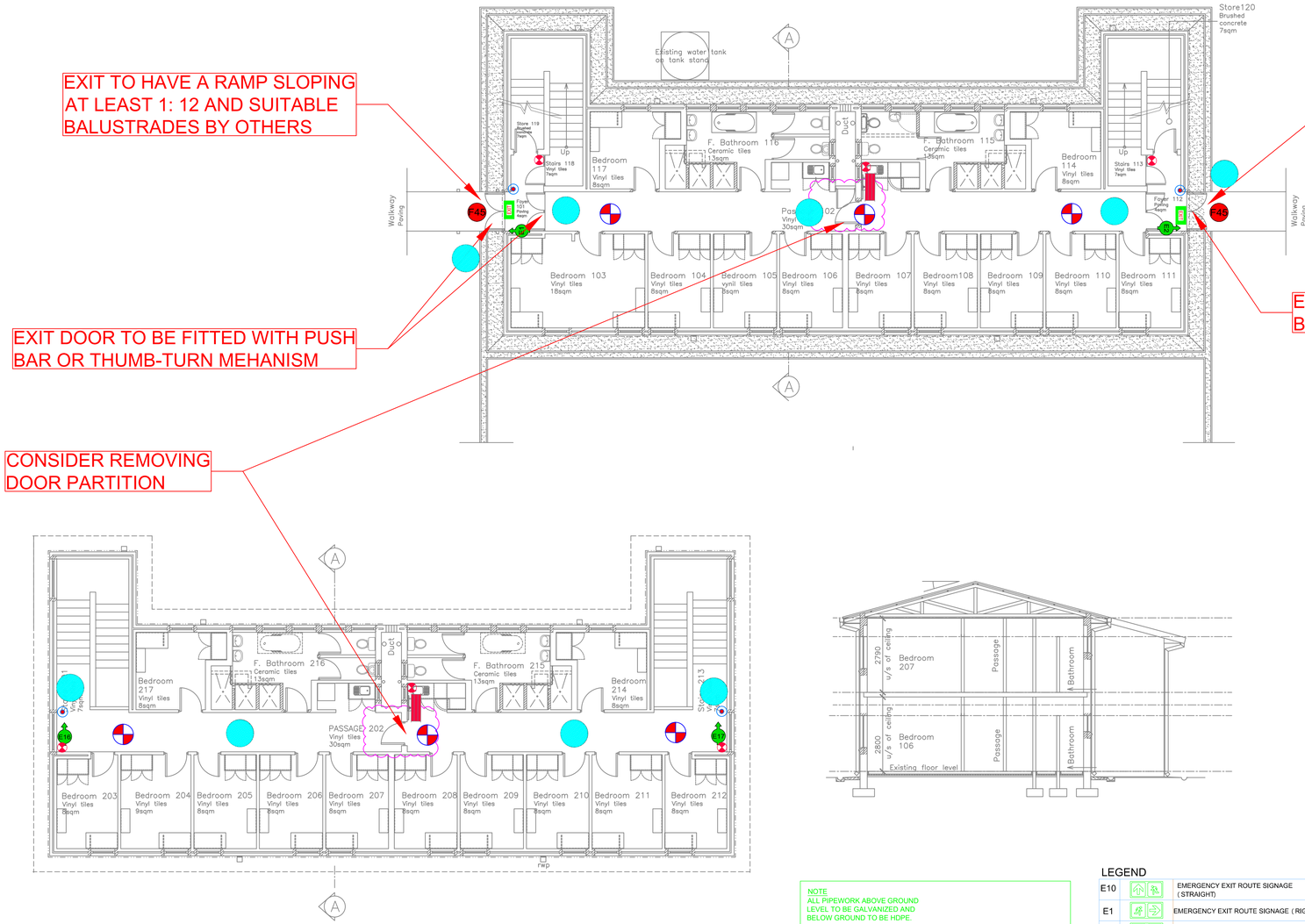
SCALE	DRAWN
1:100	K. Mhlanga
DESIGNED	CHECKED
P. Mashiri PrEng (20110518)	P. Mashiri

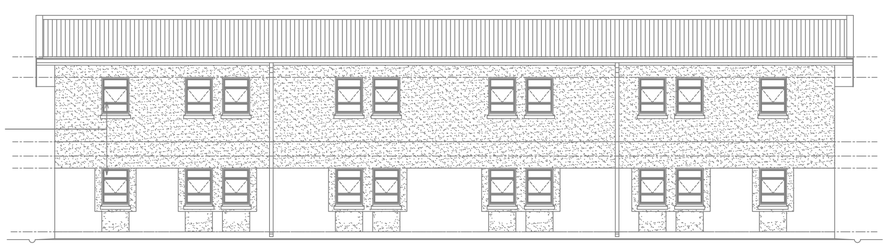
PROJECT NUMBER	DATE	11/03/2026
2026-03-29	DRAWING NUMBER THP-HOSTEL-WS-600	REVISION Rev A

EXIT TO HAVE A RAMP SLOPING AT LEAST 1: 12 AND SUITABLE BALUSTRADES BY OTHERS

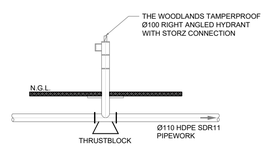
EXIT DOOR TO BE FITTED WITH PUSH BAR OR THUMB-TURN MEHANISM

CONSIDER REMOVING DOOR PARTITION





NOTE.
ALL PIPEWORK ABOVE GROUND LEVEL TO BE GALVANIZED AND BELOW GROUND TO BE HDPE.

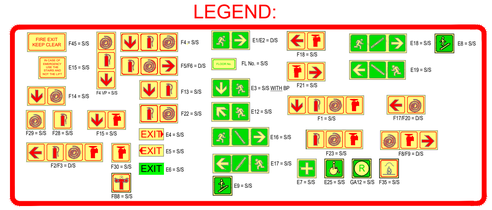


TYPICAL HYDRANT AND BOOSTER
SCALE : NTS

LEGEND

E10		EMERGENCY EXIT ROUTE SIGNAGE (STRAIGHT)
E1		EMERGENCY EXIT ROUTE SIGNAGE (RIGHT)
E2		EMERGENCY EXIT ROUTE SIGN (LEFT)
E6	EXIT	ILLUMINATED EXIT ROUTE SIGNAGE
F4		EMERGENCY FIRE EXTINGUISHER AND FIRE HOSE REEL SIGNAGE
F13		EMERGENCY FIRE EXTINGUISHER SIGNAGE
F6		EMERGENCY FIRE EXTINGUISHER AND FIRE HOSE REEL TO THE RIGHT SIGNAGE
F1		FIRE HYDRANT, FIRE HOSE REEL, FIRE EXTINGUISHER SIGNAGE
F45	FIRE EXIT KEEP CLEAR	FIRE EXIT KEEP CLEAR NOTE
-	H2	OCCUPANCY TYPE
		- 1hR FIRE RATED WALL

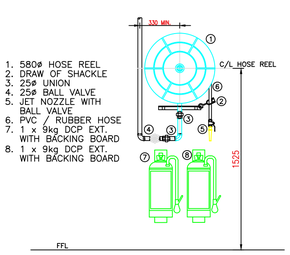
LEGEND:



NOTES:
S/S = SINGLE SIDED
D/S = DOUBLE SIDED
BP = BACK PLATE
VP = VERTICAL PLATE

ALL SIGNAGE TO BE PHOTOLUMINESCENT
ALL SIGNAGE TO BE MOUNTED WITHOUT THE USE OF ADHESIVES
AREAS / SHOPS LESS THAN 250m : SIGNAGE MINIMUM HEIGHT OF TO BE 150mm
AREAS / SHOPS OF 250m TO 500m : SIGNAGE MINIMUM HEIGHT TO BE 190mm
AREAS / SHOPS GREATER THAN 500m : SIGNAGE MINIMUM HEIGHT TO BE 290mm
MALL WAY AREAS : SIGNAGE MINIMUM HEIGHT TO BE 290mm
ALL OUTSIDE SIGNAGE TO BE CHROMODEK

1. 580ø HOSE REEL
2. DRAW OF SHACKLE
3. 25ø UNION
4. 25ø BALL VALVE
5. JET NOZZLE WITH BALL VALVE
6. PVC / RUBBER HOSE
7. 1 x 9kg DCP EXT. WITH BACKING BOARD
8. 1 x 9kg DCP EXT. WITH BACKING BOARD



TYPICAL FIRE HOSEREEL
SCALE : NTS

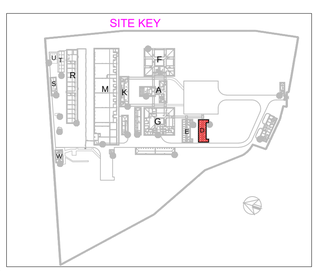
LEGEND

- FIRE WATER PIPES
- 30m FIRE HOSE REEL
- 4,5 kg DCP FIRE EXTINGUISHER
- 5,0 kg CO2 FIRE EXTINGUISHER
- 9,0 kg DCP FIRE EXTINGUISHER
- EMERGENCY LIGHT FITTINGS
- 1HR FIRE RATED WALL
- 1HR FIRE RATED WALL
- BREAKGLASS CALL POINT
- XENON FLASHING BEACON

THE WHOLE BUILDING TO BE PROTECTED BY FIRE DETECTION AND FLASHING BEACONS

ACCESS TO BUILDING TO BE OF SLOPE NOT MORE THAN 1:12 AS PER SANS 10400 PART S

SITE KEY



FIRE PROTECTION NOTES

1. All work must comply to the NATIONAL BUILDING REGULATIONS AND BUILDING STANDARDS ACT NO. 103 OF 1977
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4. DESIGN POPULATION: **H2**: 1p/$5m^2$
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6. EXTINGUISHERS,TO BE USED IN THE 1 x 65mm HYDRANT TO BE INSTALLED IN ACCORDANCE WITH SANS 1128: PART L. AND CLAUSE 4.35.
7. EXISTING FIRE SERVICES TO BE EXTENDED TO NEW HOSE REEL POSITION/S.
8. WATER SUPPLY TO THE FIREFIGHTING EQUIPMENT TO COMPLY WITH SANS 10400-2011 PART W- AND WITH MBOMBELA WATER BY-LAWS
9. POTABLE FIRE EXTINGUISHERS TO BE HUNG ON PURPOSE MADE BOARDS, AS INDICATED ON PLAN.
10. DOORS IN ESCAPE ROUTES MAY ONLY BE FITTED WITH APPROVED LOCKING DEVICES AND SHALL COMPLY WITH CLAUSE 4.16,4.17,4.19
11. '8' CLASS FIRE DOORS (ACCESS DOORS) TO BE PROVIDED AND TO COMPLY WITH THE SANS 1253 AND TO BE FITTED WITH APPROVED LOCKING DEVICES.
12. EMERGENCY LIGHTING TO BE INSTALLED AND DESIGNED IN ACCORDANCE WITH SANS 10400 - PART T AND SANS 10114 AND SANS 1464-22, AS PER CLAUSE 4.30.
13. STANDBY POWER SUPPLY TO RUN FIRE SYSTEMS TO BE PROVIDED.
14. PHOTOLUMINESCENT ESCAPE SIGNS TO BE PROVIDED AND TO COMPLY WITH SANS 1186 PART 1 AND 5, AS PER 4.29.
15. PHOTOLUMINESCENT SYMBOLIC SIGNS, INDICATING FIRE EQUIPMENT, TO BE PROVIDED AND TO COMPLY WITH SANS 1186 PART 1 AND 5, AS PER 4.32.
16. SUSPENDED CEILING AND ITS SUPPORTING MEMBERS, SHALL BE OF NON-COMBUSTIBLE MATERIAL.
17. STRUCTURAL ELEMENTS AND COMPONENTS SHALL HAVE A MINIMUM STABILITY RATING OF 60 MINUTES.
18. INSULATION MATERIAL TO COMPLY WITH SANS 428 : 2006.
19. SERVICE PENETRATION TO BE SEALED WITH APPROVED MATERIAL AT EACH FLOOR.
20. STAKING HEIGHT TO COMPLY WITH CLAUSE 4.4B OF SANS 10400-2024 PART T.
21. NO DANGEROUS GOODS WILL BE STORED IN EXCESS OF THE EXEMPT QUANTITIES AS PER SANS 10263-0 ANNEX A.
22. THE HOSE REEL SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS OF THE NATIONAL BUILDING REGULATIONS AND THE MUNICIPALITY.
23. THE SYSTEM SHALL BE DESIGNED SO THAT A PRESSURE OF NOT LESS THAN 300 KPA WILL BE AVAILABLE AT THE WORST HYDRAULICALLY SITUATED HOSE REEL AND WITH A MINIMUM PIPE DIAMETER OF 40 MM AND A FLOW RATE OF 0,5 L/SEC.
24. ALL HOSE REELS SHALL COMPLY WITH THE SABS STANDARD SPECIFICATION 543-1973.
25. EACH NOZZLE SHALL BE PROVIDED WITH NOT MORE THAN 30 METRES OF HOSE, NOT LESS THAN 20 MM INTERNAL DIAMETER AND FITTED WITH A NOZZLE OF 6,35 mm ORIFICE DIAMETER.
26. THE ENTIRE INSTALLATION FOR THE COMMUNICATION PIPE SERVING THE INSTALLATION SHOULD NOT BE LESS THAN 75mm AND ALL PIPES SERVING EACH HOSE REEL SHOULD NOT BE LESS THAN 25mm.
27. EACH HOSE REEL PRESSURE AT THE COMMISSIONING STAGE MUST BE NOT LESS THAN 30m PRESSURE HEAD.
28. LOCATION - THE HOSE REELS DETAILED IN THIS SPECIFICATION SHALL BE POSITIONED AS INDICATED ON THE FIRE PROTECTION PLANS.
29. TESTING - THE ENTIRE SYSTEM SHALL BE ROBUST AND IS TO BE CAPABLE OF HOLDING A PRESSURE OF 50% MORE THAN WORKING PRESSURE OF THE SYSTEM PROPOSED. HYDRAULIC PRESSURE TEST AS PER SANS 10400.
30. PIPES -ALL PIPE WORK ABOVE GROUND SHALL BE BLACK SABS 62/BS 1387 MEDIUM QUALITY
31. ALL PIPE WORK LAID BELOW GROUND SHALL BE BLACK SABS 62/BS 1387 HEAVY QUALITY
32. PIPE WORK PASSING THROUGH WET TRADE WALLS/FLOOR SHALL BE WRAPPED WITH DENSO TAPE TO 50 MM ON EITHER SIDE OF WALL/FLOOR.
33. PIPE FITTINGS - SCREWED PIPE FITTINGS UP TO 150 MM ARE TO BE CAST IRON OR MALLEABLE CAST IRON AND WILL BE THREADED IN ACCORDANCE WITH SABS 1109/BS 21 SO AS TO MAKE A METAL JOINT WHERE JOINTING MATERIAL IS USED.
34. WELDED SECTIONS OF PIPE WILL HAVE FLANGE/COUPLING JOINTS AT SUITABLE INTERVALS TO FACILITATE REMOVAL.

CLIENT

Province of the EASTERN CAPE REPUBLIC OF SOUTH AFRICA

ARCHITECTS

MASHA DESIGN GROUP

ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

Pty(Ltd): 2019/293991/07
28 Steward Drive
Berea
East London
5241
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132
www.mashadesigns.co.za • sithembele@mashadesigns.co.za

ENGINEER:

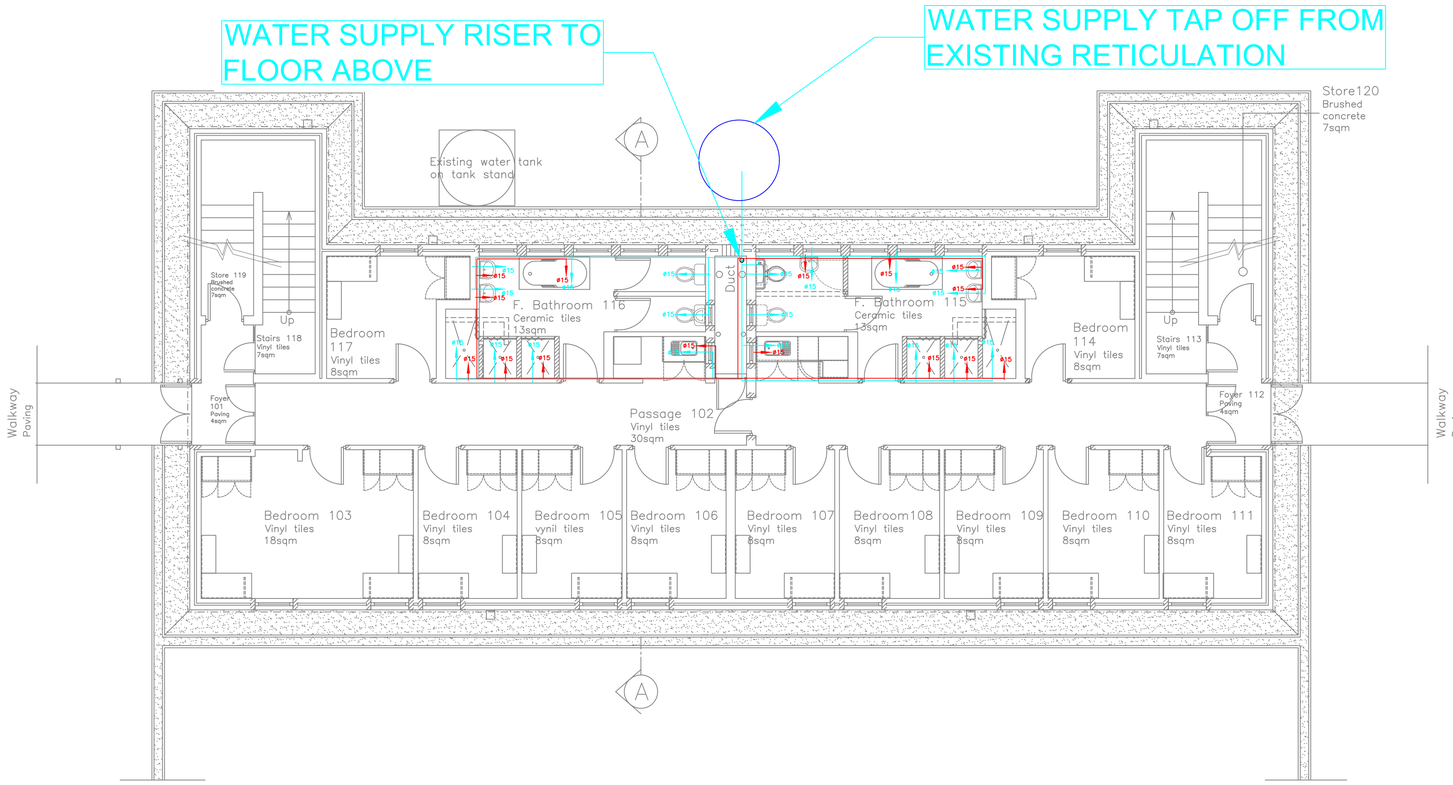
DIKIDA GROUP (PTY)LTD

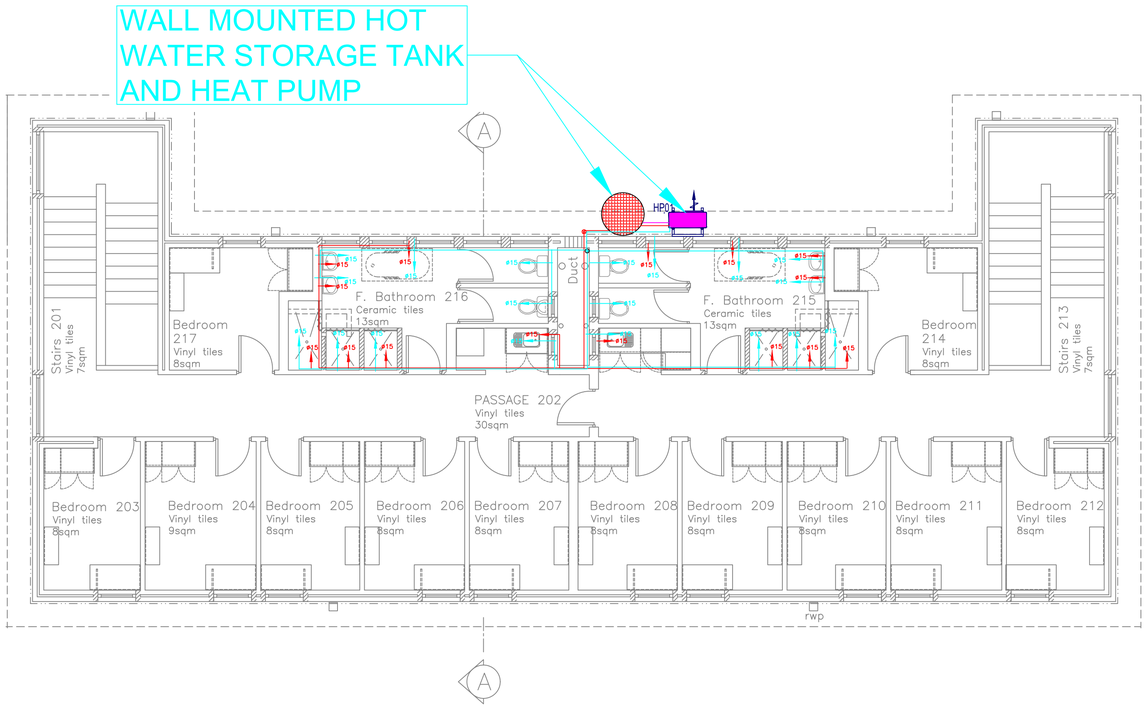
PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED. (GIRLS HOSTEL)

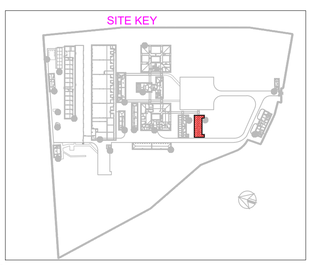
TITLE BLOCK D GROUND, FIRST, SEC. ELEVATIONS FIRE LAYOUT

SCALE	DRAWN
1:100	K. Mhlanga
DESIGNED	CHECKED
P. Mashiri PrEng (20110518)	P. Mashiri

PROJECT NUMBER	DATE	
2026-02-29	22/06/2025	
	DRAWING NUMBER	REVISION
	THP-Girls-Fire-600	Rev A







GENERAL NOTES:

1. ALL HOT WATER PIPES TO BE INSULATED
2. ALL PRIMARY CO–ORDINATION TO BE THE RESPONSIBILITY OF THE PRINCIPAL AGENT.
3. ALL WASHING MACHINES AND KITCHEN SINK CONNECTION POINTS TO BE CAREFULLY CO–ORDINATED WITH THE ARCHITECTS BATHROOM AND KITCHEN LAYOUTS AND THE KITCHEN CABINETRY MANUFACTURERS LAYOUTS.
4. ALL COPPER PIPING USED MUST BE CLASS 0.
5. ALL HOT WATER PIPES TO BE INSULATED WITH INSULATION WITH THE R – VALUES = 1 FOR PIPES LESS 80mm AND R–VALUE OF 1.5 PIPES BIGGER THAN 80mm (REFER TO SANS 10400–XA)
6. ALL ISOLATING VALVES SIZES TO BE EQUAL TO THE CORRESPONDING PIPE.
7. ALL EXPOSED PIPES AND PLANT ROOM PIPE TO BE INSULATED AND CLADDED WITH ALUMINUM CLADDING.
8. PIPES TO BE INSTALLED AS PER MANUFACTURER RECOMMENDATIONS.
9. ALL INTERNAL HOT & COLD WATER PIPES TO BE COPPER CLASS "0"
10. ALL PIPE DIAMETERS INDICATED ON THE DRAWINGS ARE OUT SIDE DIAMETERS.
11. ALL UNDERGROUND WATER PIPES TO BE HDPE PE100 OR PVC AS INDICATED ON THE DRAWINGS

WATER SUPPLY LEGEND

	COLD WATER PIPE
	HOT WATER PIPE
	HOT WATER RETURN PIPE
	GATE VALVE
A	ANGLE VALVE
D	DRAIN VALVE
E	EXPANSION VESSEL
H	HOSE TAP
	SERVICE VALVE
	SERVICE VALVE

WET-SERVICES EQUIPMENT SCHEDULE

CODE	SIZE DESCRIPTION	TANK	WATER TEMP	Power Supply	QTY
HP1	10kW HEAT PUMP	500L TANK c/w HEATING ELEMENT	55	380V/9kW	1 SET
P1	CIRCULATION PUMP	120L/min @ 2Bar c/w valves & mounting brackets	-	380V/3kW	3 SET

FIRE PROTECTION NOTES

1. All work must comply to the NATIONAL BUILDING REGULATIONS AND BUILDING STANDARDS ACT NO. 103 OF 1977
2. STANDARD APPLICATION TO FIRE INSTALLATION REFERRED TO SANS 10400-W:2011 AND SANS 10400-T:2024
3. OCCUPANCY CLASSIFICATION: **H2** AS PER SANS 10400-A CLAUSE 20.
4. DESIGN POPULATION: **H2**: 1p/5m^2
5. 1 x 4.5kg DCP and 1 x 5kg CO_2 EXTINGUISHERS, PER 200 m^{2}OR PART THEREOF, TO BE INSTALLED IN ACCORDANCE WITH SANS 10105 AND CLAUSE 4.37 AND 4.3
6. EXTINGUISHERS,TO BE USED IN THE 1 x 65mm HYDRANT TO BE INSTALLED IN ACCORDANCE WITH SANS 1128: PART L. AND CLAUSE 4.35.
7. EXISTING FIRE SERVICES TO BE EXTENDED TO NEW HOSE REEL POSITION/S.
8. WATER SUPPLY TO THE FIREFIGHTING EQUIPMENT TO COMPLY WITH SANS 10400-2011 PART W- AND WITH MBOMBELA WATER BY-LAWS
9. POTABLE FIRE EXTINGUISHERS TO BE HUNG ON PURPOSE MADE BOARDS, AS INDICATED ON PLAN.
10. DOORS IN ESCAPE ROUTES MAY ONLY BE FITTED WITH APPROVED LOCKING DEVICES AND SHALL COMPLY WITH CLAUSE 4.16,4.17,4.19
11. 'B' CLASS FIRE DOORS (ACCESS DOORS) TO BE PROVIDED AND TO COMPLY WITH THE SANS 1253 AND TO BE FITTED WITH APPROVED LOCKING DEVICES.
12. EMERGENCY LIGHTING TO BE INSTALLED AND DESIGNED IN ACCORDANCE WITH SANS 10400 - PART T AND SANS 10114 AND SANS 1464-22, AS PER CLAUSE 4.30.
13. STANDBY POWER SUPPLY TO RUN FIRE SYSTEMS TO BE PROVIDED.
14. PHOTOLUMINESCENT ESCAPE SIGNS TO BE PROVIDED AND TO COMPLY WITH SANS 1186 PART 1 AND 5, AS PER 4.29.
15. PHOTOLUMINESCENT SYMBOLIC SIGNS, INDICATING FIRE EQUIPMENT, TO BE PROVIDED AND TO COMPLY WITH SANS 1186 PART 1 AND 5, AS PER 4.32.
16. SUSPENDED CEILING AND ITS SUPPORTING MEMBERS, SHALL BE OF NON-COMBUSTIBLE MATERIAL.
17. STRUCTURAL ELEMENTS AND COMPONENTS SHALL HAVE A MINIMUM STABILITY RATING OF 60 MINUTES.
18. INSULATION MATERIAL TO COMPLY WITH SANS 428 : 2006.
19. SERVICE PENETRATION TO BE SEALED WITH APPROVED MATERIAL AT EACH FLOOR.
20. STAKING HEIGHT TO COMPLY WITH CLAUSE 4.4B OF SANS 10400-2024 PART T.
21. NO DANGEROUS GOODS WILL BE STORED IN EXCESS OF THE EXEMPT QUANTITIES AS PER SANS 10263-0 ANNEX A.
22. THE HOSE REEL SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS OF THE NATIONAL BUILDING REGULATIONS AND THE MUNICIPALITY.
23. THE SYSTEM SHALL BE DESIGNED SO THAT A PRESSURE OF NOT LESS THAN 300 KPA WILL BE AVAILABLE AT THE WORST HYDRAULICALLY SITUATED HOSE REEL AND WITH A MINIMUM PIPE DIAMETER OF 40 MM AND A FLOW RATE OF 0,5 L/SEC.
24. ALL HOSE REELS SHALL COMPLY WITH THE SABS STANDARD SPECIFICATION 543-1973.
25. EACH NOZZLE SHALL BE PROVIDED WITH NOT MORE THAN 30 METRES OF HOSE, NOT LESS THAN 20 MM INTERNAL DIAMETER AND FITTED WITH A NOZZLE OF 6,35 mm ORIFICE DIAMETER.
26. THE ENTIRE INSTALLATION FOR THE COMMUNICATION PIPE SERVING THE INSTALLATION SHOULD NOT BE LESS THAN 75mm AND ALL PIPES SERVING EACH HOSE REEL SHOULD NOT BE LESS THAN 25mm.
27. EACH HOSE REEL PRESSURE AT THE COMMISSIONING STAGE MUST BE NOT LESS THAN 30m PRESSURE HEAD.
28. LOCATION - THE HOSE REELS DETAILED IN THIS SPECIFICATION SHALL BE POSITIONED AS INDICATED ON THE FIRE PROTECTION PLANS.
29. TESTING - THE ENTIRE SYSTEM SHALL BE ROBUST AND IS TO BE CAPABLE OF HOLDING A PRESSURE OF 50% MORE THAN WORKING PRESSURE OF THE SYSTEM PROPOSED. HYDRAULIC PRESSURE TEST AS PER SANS 10400.
30. PIPES -ALL PIPE WORK ABOVE GROUND SHALL BE BLACK SABS 62/BS 1387 MEDIUM QUALITY
31. ALL PIPE WORK LAID BELOW GROUND SHALL BE BLACK SABS 62/BS 1387 HEAVY QUALITY
32. PIPE WORK PASSING THROUGH WET TRADE WALLS/FLOOR SHALL BE WRAPPED WITH DENSO TAPE TO 50 MM ON EITHER SIDE OF WALL/FLOOR.
33. PIPE FITTINGS - SCREWED PIPE FITTINGS UP TO 150 MM ARE TO BE CAST IRON OR MALLEABLE CAST IRON AND WILL BE THREADED IN ACCORDANCE WITH SABS 1109/BS 21 SO AS TO MAKE A METAL JOINT WHERE JOINTING MATERIAL IS USED.
34. WELDED SECTIONS OF PIPE WILL HAVE FLANGE/COUPLING JOINTS AT SUITABLE INTERVALS TO FACILITATE REMOVAL.

CLIENT

Province of the EASTERN CAPE REPUBLIC OF SOUTH AFRICA

ARCHITECTS

MASHA DESIGN GROUP

ARCHITECT'S SIGNATURE:
Pr. Architect, SACAP Reg # 24744173

Pty(Ltd): 2019/293991/07
28 Steward Drive
Berea
East London
5241
cell. 072 573 9905
tel. 043 555 0225
fax. 086 624 4132
www.mashadesigns.co.za • sithembele@mashadesigns.co.za

ENGINEER:

DIKIDA GROUP (PTY) LTD

PROJECT
DRAWING FOR SCOPE ONE OF BUILDING RENOVATIONS FOR REUBIN BIRIN SCHOOL FOR THE HEARING IMPAIRED. (GIRLS/BOYS HOSTEL)

TITLE BLOCK D GROUND, FIRST, SEC. ELEVATIONS WET SERVICES LAYOUT

SCALE	DRAWN
1:100	K. Mhlanga
DESIGNED	CHECKED
P. Mashiri PrEng (20110518)	P. Mashiri

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