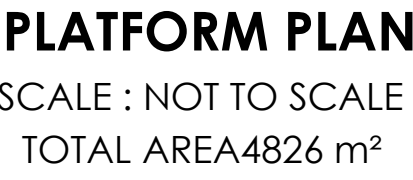
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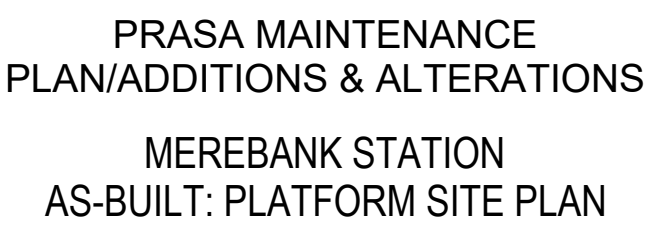
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Client	PRASA	Date	01/10/2022
Consultant	LODEMANN	Date	01/10/2022
Contractor		Date	

Drawing No.	Client / Vendor Drg. No	Status of Document/ Drawing	Rev No.	Paper Size	Quantity	Date Rec:	Description	Transmittal number
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1040-002-10-0002	N/A	ISSUED FOR TENDER	1	A0	1		STATION HALL	
1040-002-10-0003	N/A	ISSUED FOR TENDER	1	A0	1		BUILDINGS LAYOUT	
1040-002-10-0004	N/A	ISSUED FOR TENDER	1	A0	1		ADMIN OFFICE	
1040-002-10-0005	N/A	ISSUED FOR TENDER	1	A0	1		FLOOR FINISH I	
1040-002-10-0006	N/A	ISSUED FOR TENDER	1	A0	1		FLOOR FINISH II	
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1040-002-10-0008	N/A	ISSUED FOR TENDER	1	A0	1		CEILING LAYOUT I	
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1040-002-10-0014	N/A	ISSUED FOR TENDER	1	A0	1		DOOR SCHEDULE	
1040-002-10-0015	N/A	ISSUED FOR TENDER	1	A0	1		WINDOW SCHEDULE I	

Drawing Register			Rev 1	Page : 1 of 1
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	DESIGNATION:-	SENIOR DRAUGHTSMAN	DATE :-	
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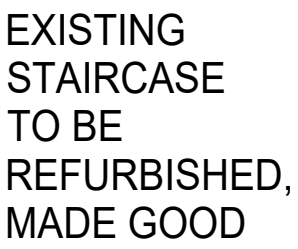


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7. CONSULT RELEVANT ARCHITECTS', MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLET, RWPODS AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.

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SCALE :	DATE	Drawing Number	CLIENT Drawing Number	Rev.	Sheet size	Status.
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1. REPLACE CORRODED SHEETING WITH NEW GRS 0.58mm CHROMADEK KLIP-LOK 700 ROOF SHEETING.
2. REPLACE MISSING/DAMAGED FASCIA/BARGE BOARDS WITH NEW FIBRE CEMENT BOARDS, TO BE PAINTED AND MATCH EXISTING.
3. REPLACED DAMAGED RAINWATER GUTTERS & DOWNPIPES WITH NEW SEAMLESS ALUMINUM GOODS.
4. REPLACE DAMAGED CEILING PANELS WITH NEW TO MATCH EXISTING /SIMILAR APPROVED.REFER TO CEILING LAYOUT.
5. SCRAPE OFF DAMAGED EXISTING WALL FINISHES AND APPLY NEW PLASTER WHERE AFFECTED. NEW PAINT TO BE APPLIED IN ACCORDANCE TO TECHNICAL SPECIFICATIONS & PRASA BLUE PRINT.ALL STRUCTURAL AND NON-STRUCTURAL CRACKS TO BE DEEMED TO SATISFY ENGINEERS' RECOMMENDATION.
6. CONCRETE FLOORS TO BE PRESSURE WASHED.REFURBISH/REPAIR/ DAMAGED AREA.RESTORE TO ORIGINAL CONDITION.
7. REPLACED DAMAGED FLOOR FINISHES WITH NEW TO MATCH EXISTING IN ACCORDANCE TO TECHNICAL SPECIFICATIONS & PRASA BLUE PRINT.REFER TO FLOOR FINISH LAYOUT.
9. EXISTING STAIRCASE TO BE REFURBISHED, MADE GOOD, REPLACE DAMAGED FLOOR FINISH WITH NEW NON-SLIP TILES TO MATCH EXISTING. BALUSTRADES TO BE REFURBISHED AND STAIRCASE TO COMPLY WITH SANS10400 PART "M".
10. REPAIR/REPLACE ALL DAMAGED DOORS/ROLLER SHUTTERS AND SUPPORTING IRONMONGERY WITH NEW TO MATCH EXISTING.
11. REPAIR/REPLACE ALL DAMAGED WINDOWS AND SUPPORTING IRONMONGERY WITH NEW TO MATCH EXISTING.GLAZING TO COMPLY WITH SANS 10400 PART N.
12. DAMAGED SPEED GATE CHAIRS/FURNITURE TO BE REPLACED WITH NEW TO MATCH EXISTING.
13. REMOVE ALL DAMAGED/DETERIORATED FITTINGS & FIXTURES.REPLACE WITH NEW SABS APPROVED GOODS IN RELATION TO TECHNICAL SPECIFICATIONS & PRASA BLUE PRINT.
14. REPLACE DAMAGED CARPENTRY WORKS WITH NEW,IN ACCORDANCE TO PRASA BLUE PRINT.
15. NEW SIGNAGES,BINS AND BENCHES AS PER TECHNICAL SPECIFICATIONS & PRASA BLUE PRINT.



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CLIENT

MAIN CONSULTANT

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CHECKED		
ENG. COORD		
ARCHITECT	M. MADIBA	22/07/2018
ELEC. ENG.		
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		

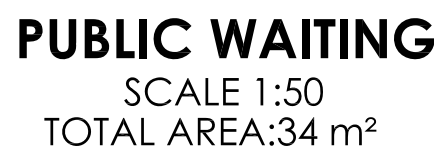
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SIGNATURE	
REG. NUMBER	



MEREBANK STATION
 AS BUILT: GROUND FLOORS

SCALE :	DATE	Drawing Number	CLIENT Drawing Number	Rev.	Sheet size	Status.
1:100	22.02.17				

1. REPLACE CORRODED SHEETING WITH NEW GRS 0.58mm CHROMADEK KLIP-LOK 700 ROOF SHEETING.
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5. SCRAPE OFF DAMAGED EXISTING WALL FINISHES AND APPLY NEW PLASTER WHERE AFFECTED.NEW PAINT TO BE APPLIED IN ACCORDANCE TO TECHNICAL SPECIFICATIONS & PRASA BLUE PRINT.ALL STRUCTURAL AND NON-STRUCTURAL CRACKS TO BE DEEMED TO SATISFY ENGINEERS' RECOMMENDATION.
6. CONCRETE FLOORS TO BE PRESSURE WASHED,REFURBISH/REPAIR/ DAMAGED AREA,RESTORE TO ORIGINAL CONDITION
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9. EXISTING STAIRCASE TO BE REFURBISHED, MADE GOOD, REPLACE DAMAGED FLOOR FINISH WITH NEW NON-SLIP TILES TO MATCH EXISTING. BALUSTRADES TO BE REFURBISHED AND STAIRCASE TO COMPLY WITH SANS10400 PART "M".
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11. REPAIR/REPLACE ALL DAMAGED WINDOWS AND SUPPORTING IRONMONGERY WITH NEW TO MATCH EXISTING.GLAZING TO COMPLY WITH SANS 10400 PART N.
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[illegible]

TITLE	NAME	DATE

MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	MR E. MGUZUMABANE	22/07/2022
CHECKED		
ENG. COORD		
ARCHITECT	M. MADIBA	22/07/2022
ELEC. ENG.		
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
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PRASA MAINTENANCE PLAN/ ADDITIONS & ALATERATIONS

MEREBANK STATION
 AS BUILT: GROUND FLOORS

SCALE :	DATE	Drawing Number	CLIENT Drawing Number	Rev.	Sheet size	Status.
1:100	00-00-17	1040-002-10-0003		1	A0	ISSUED FOR INFORMATION

REFURBRISHMENT NOTES:

1. REPLACE CORRODED SHEETING WITH NEW GRS 0.58mm CHROMADEK KLIP-LOK 700 ROOF SHEETING.
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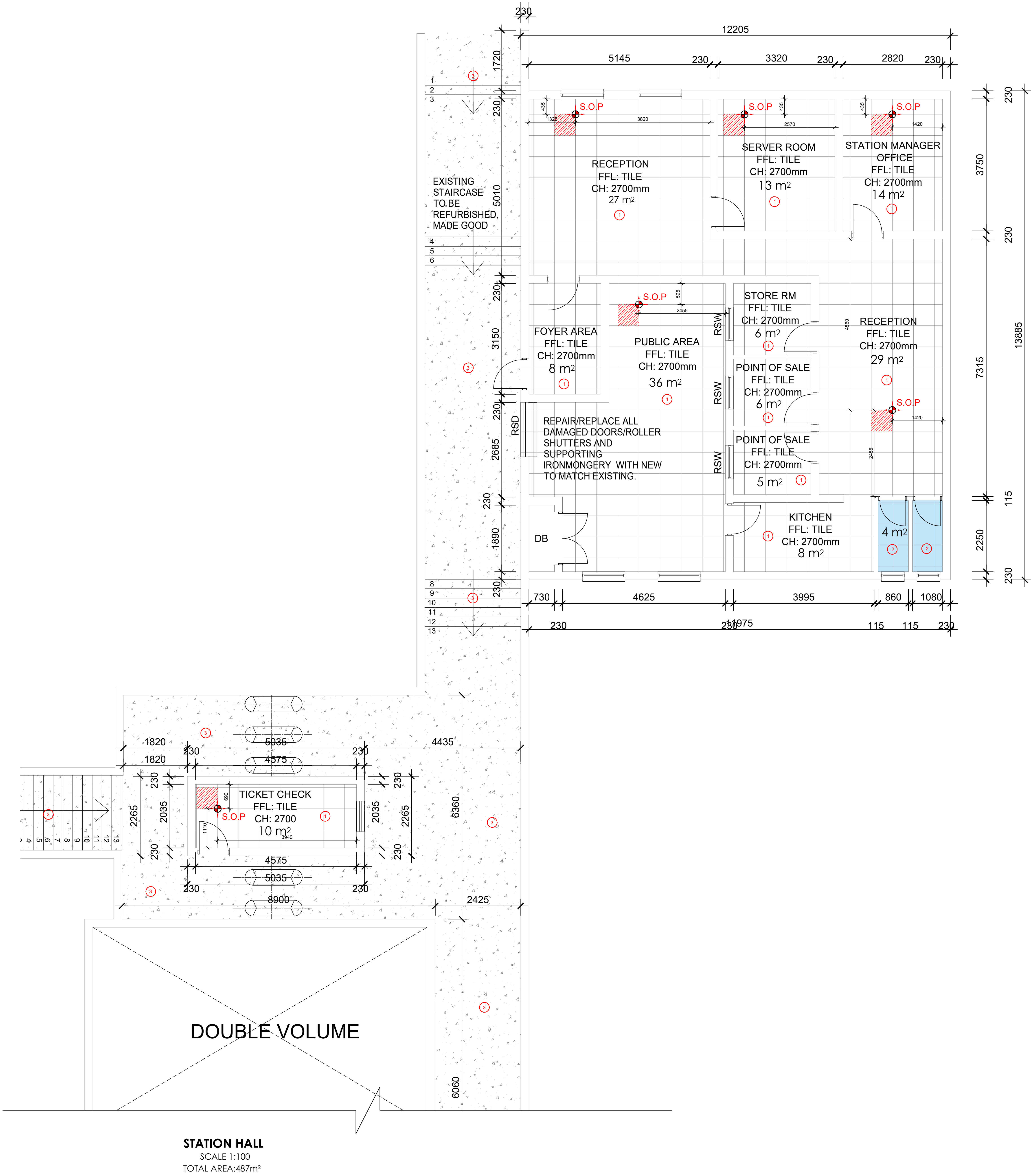
MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	MR E. MGUZUMABANE	22/07/2022
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ENG. COORD		
ARCHITECT	M. MADIBA	22/07/2022
ELEC. ENG.		
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
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PRASA MAINTENANCE PLAN/ ADDITIONS & ALTERATIONS

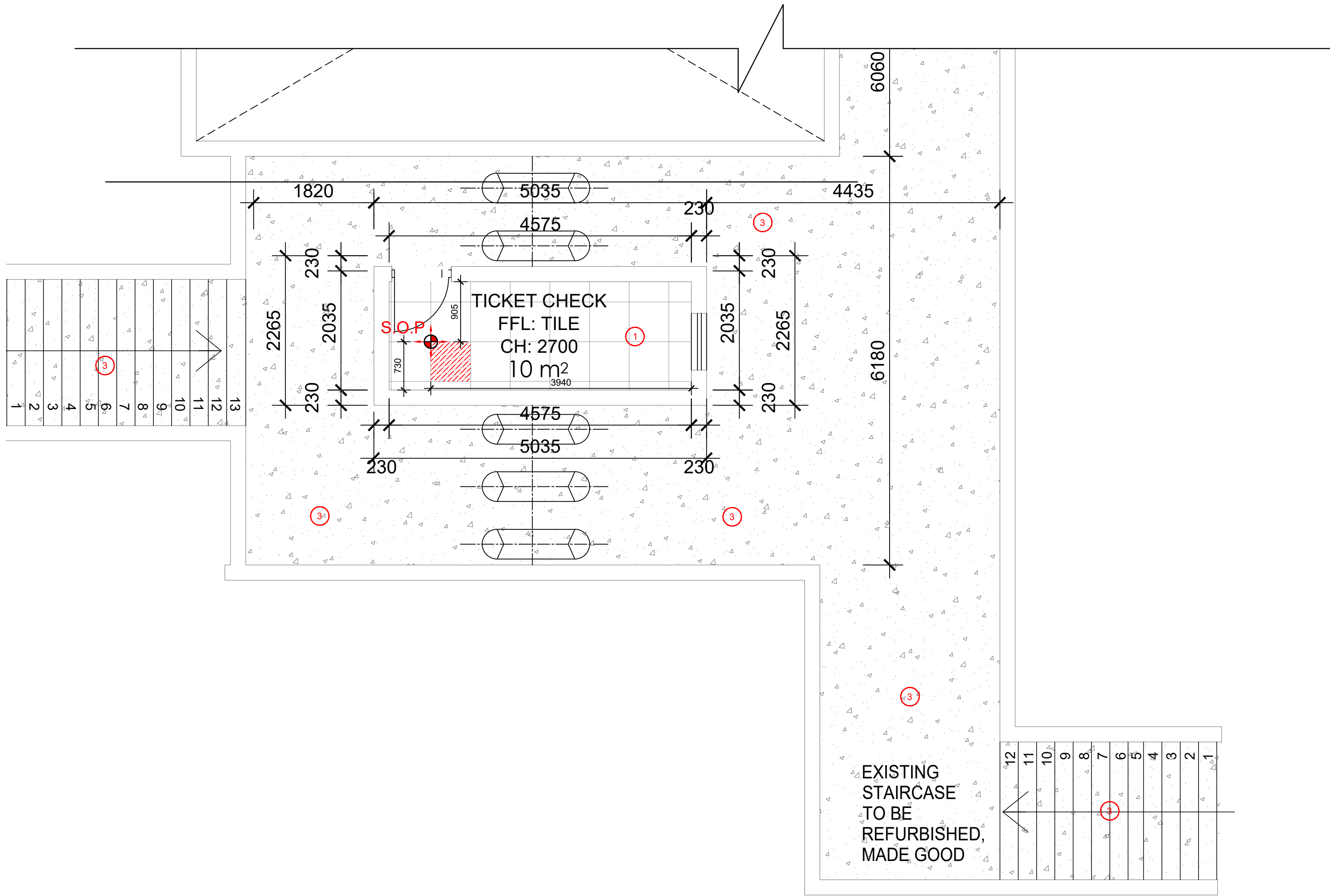
MEREBANK STATION
 AS BUILT: GROUND FLOORS

SCALE :	DATE	Drawing Number	CLIENT Drawing Number	Rev.	Sheet size	Status.
1:100	00-00-17	1040-002-10-0004		1	A0	ISSUED FOR INFORMATION



STATION HALL
SCALE 1:100
TOTAL AREA:487m²

FINISHES SCHEDULE		DESCRIPTION
①		600x600 Porcelain floor tile
②		600 x 600mm min R9 preferably R10 slip rated Full Bodied Porcelain tiles, mineralised with 3mm grouting lines from Union Tiles, Tilespace, JHD Ceramica or Tiestona. Natural finish. Full bodied porcelain tiles, size 600 x 600mm x 10mm fixed to internal floor screed with TAL tile adhesive (elsewhere specified) mixed with TAL bonding liquid in lieu of water with diagonal joints continuous in both directions and grouted with TAL tile grout, excess grout on the surface to be cleaned with water as work proceeds.
③		50mm SOFFIT
④		Rehab/repair concrete floor where damaged with similar approved. Power floated surface bed as per Engineer's specification.



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DRAWING NO.	REFERENCE	NO.	DESCRIPTION	BY	CHKD	APPD	DATE
REFERENCE DRAWINGS							
REVISIONS / ISSUE AUTHORIZATION							
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PASSENGER RAIL AGENCY OF SOUTH AFRICA

CLIENT


TITLE	NAME	DATE

MAIN CONSULTANT

TITLE	NAME	DATE
DRAWN	MR E. MGUZUMABANE	22/07/2022
CHECKED		
ENG. COORD		
ARCHITECT	M. MADIBA	22/07/2022
ELEC. ENG.		
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		

APPROVED BY

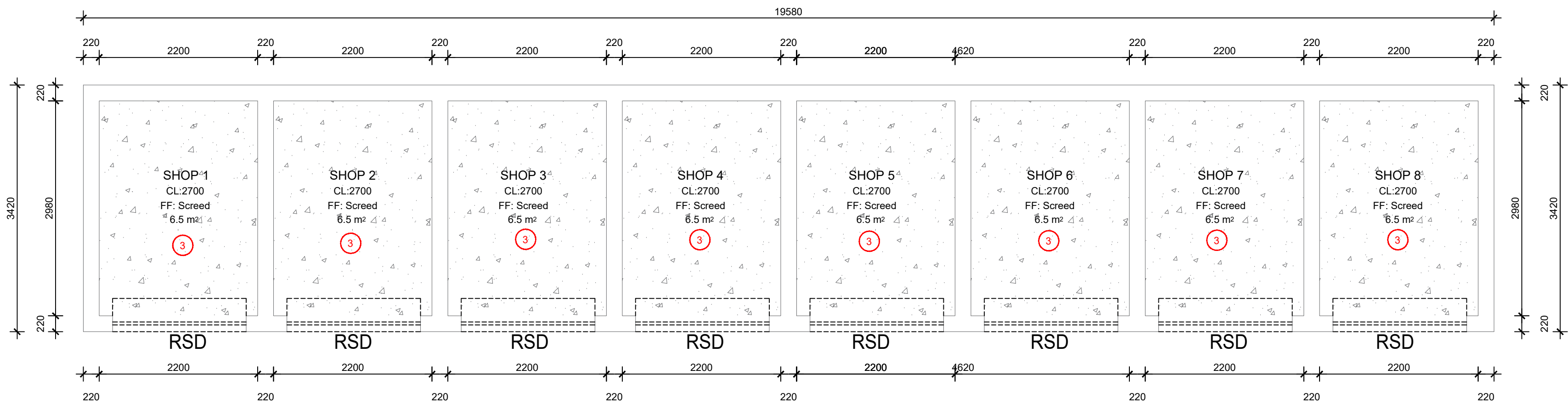
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REG. NUMBER	



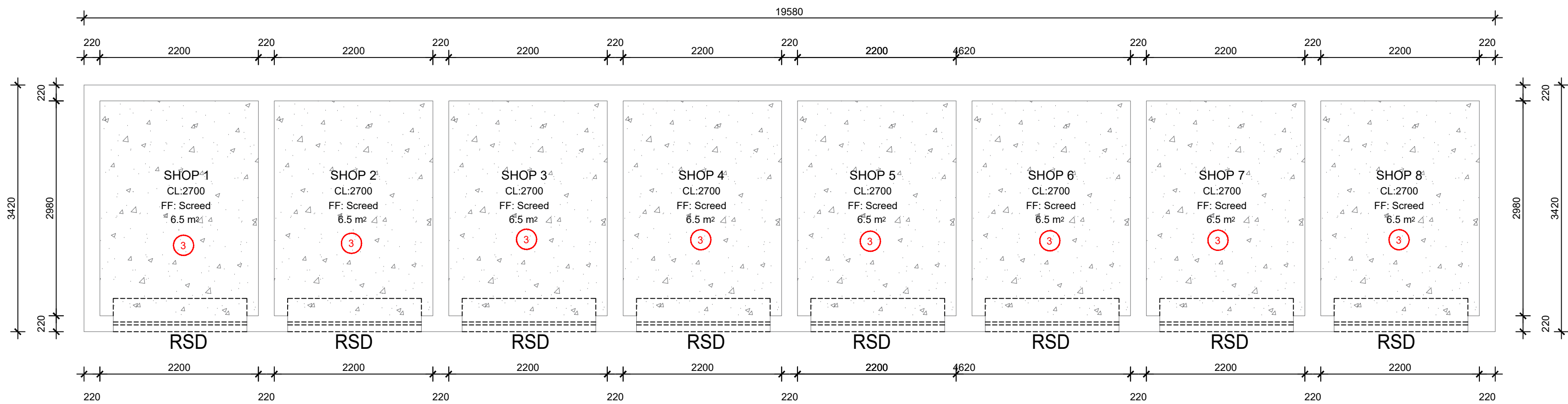
PRASA MAINTENANCE PLAN/ ADDITIONS & ALATERATIONS

MEREBANK STATION FLOOR FINISH I

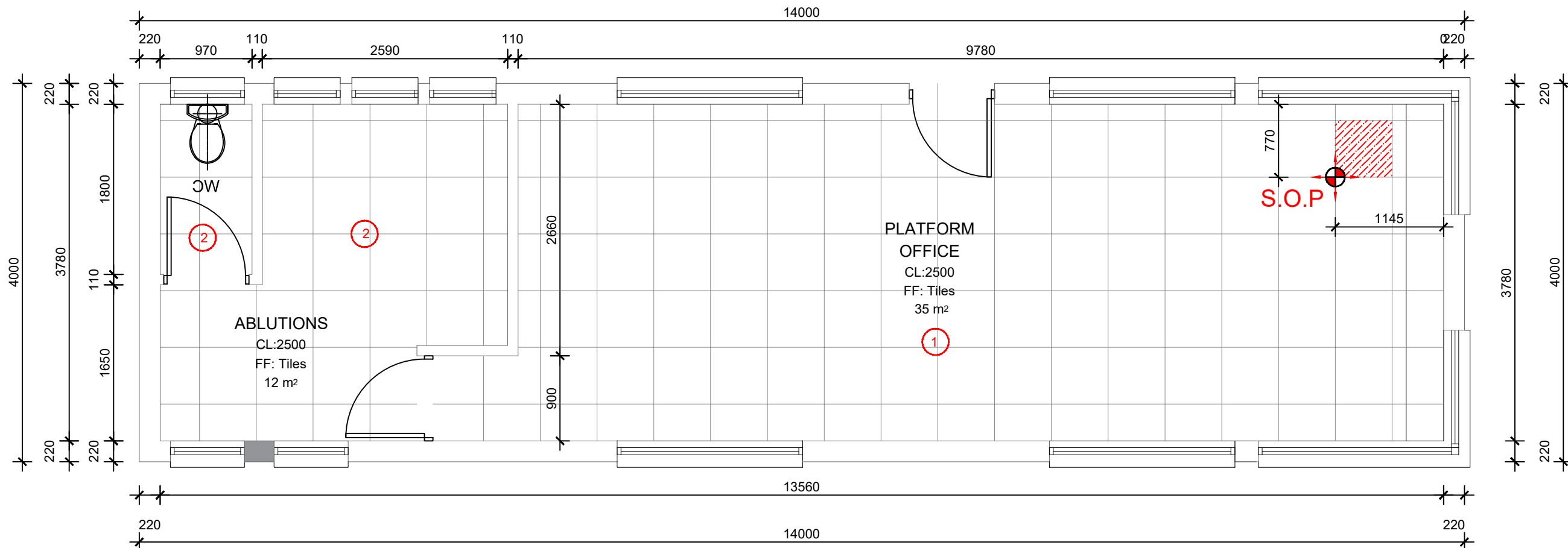
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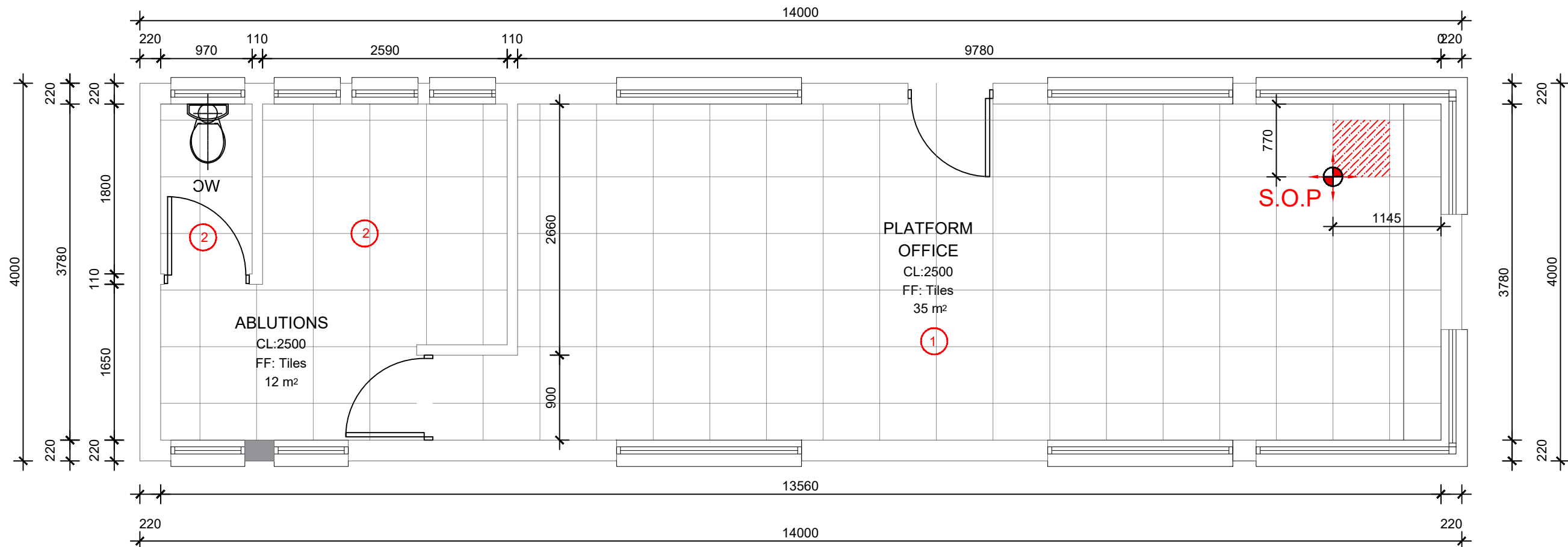
VENDING SHOPS/STORES 1
SCALE 1:50
TOTAL AREA:66 m²



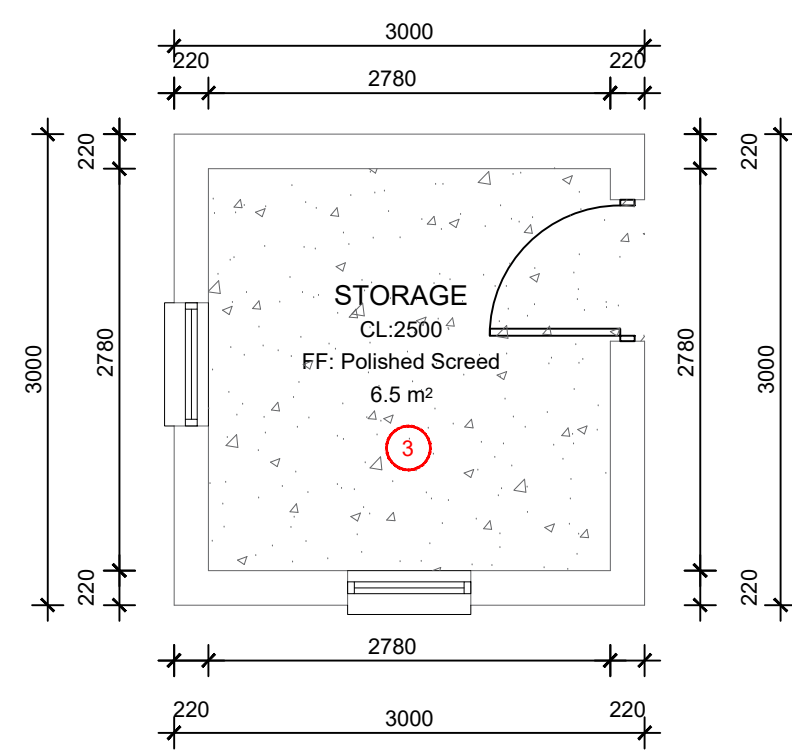
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TOTAL AREA:66 m²



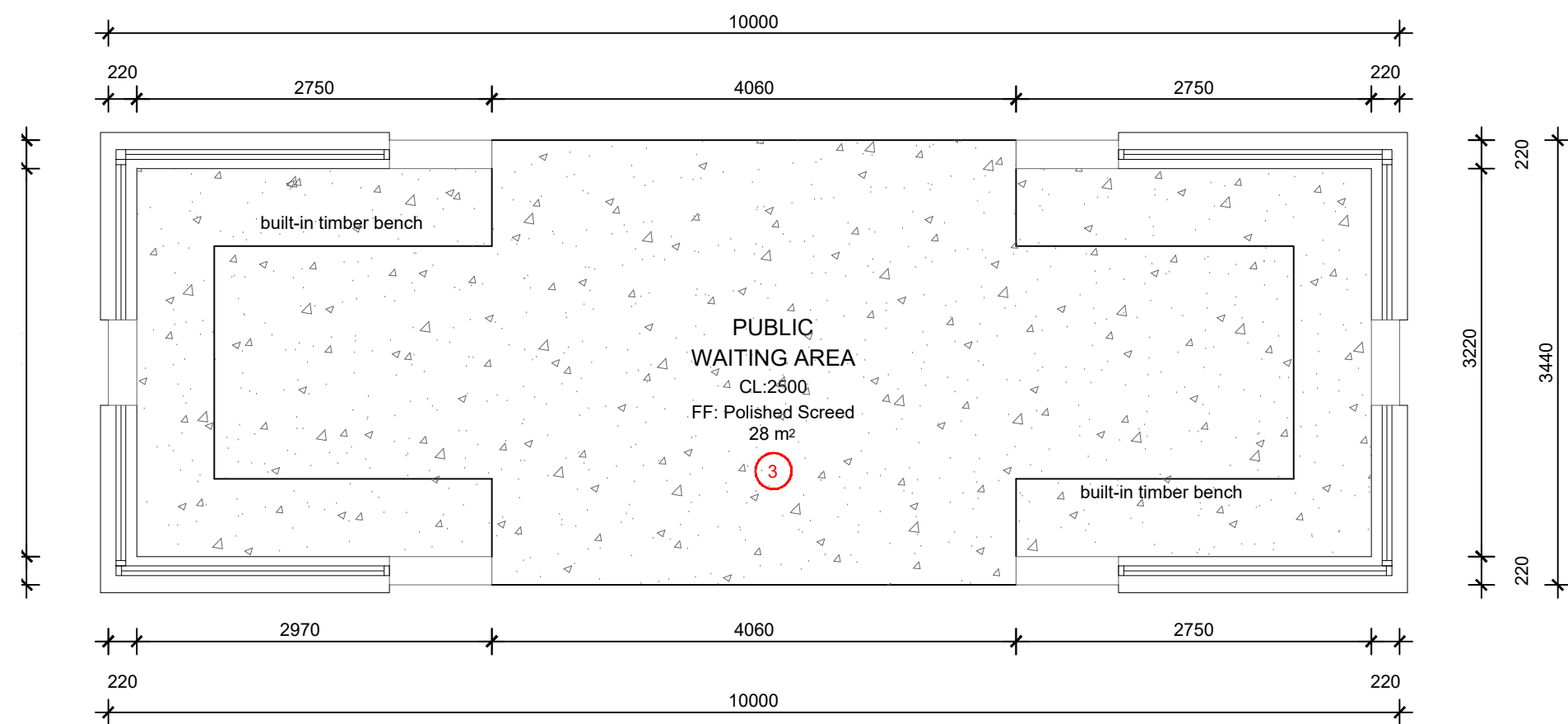
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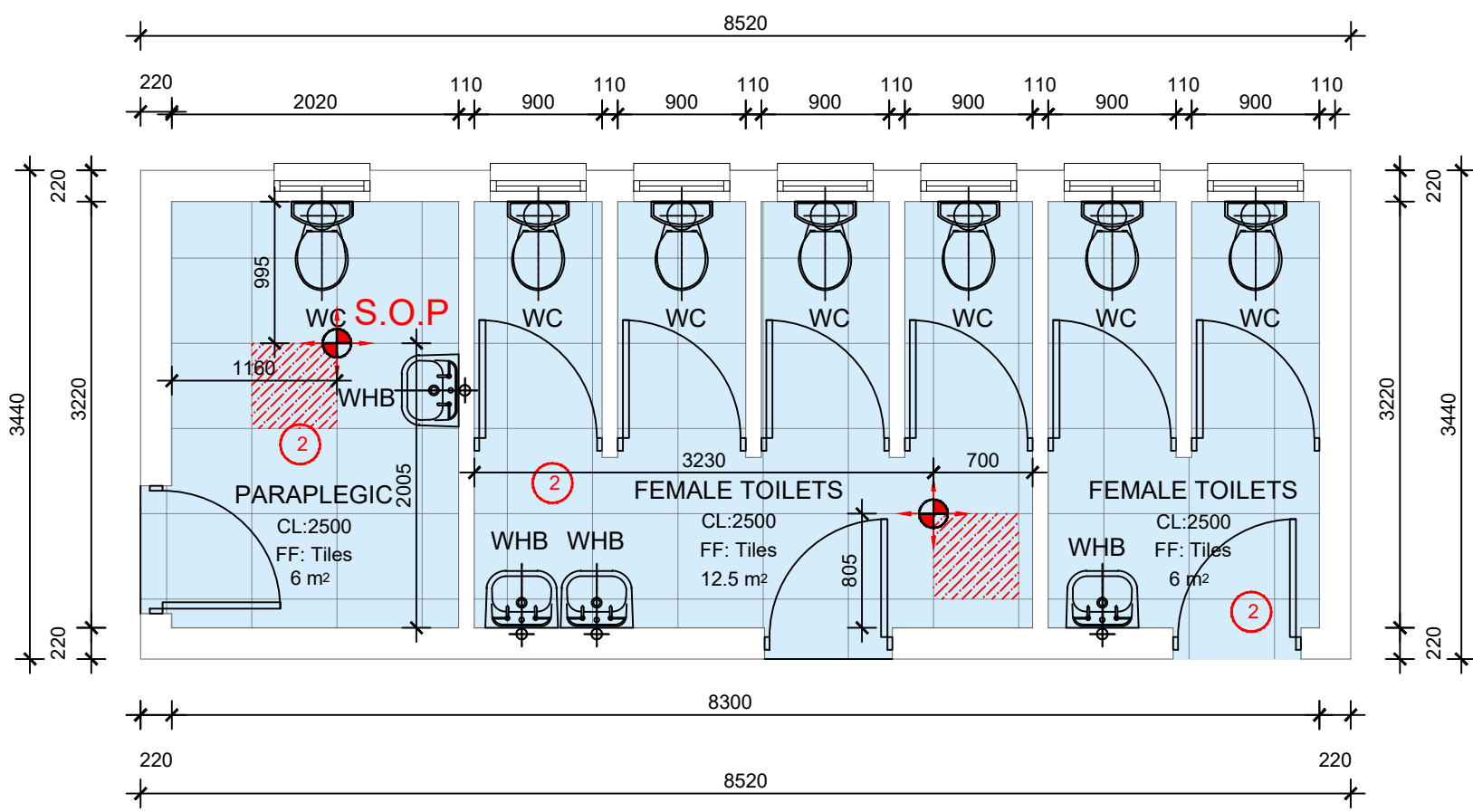
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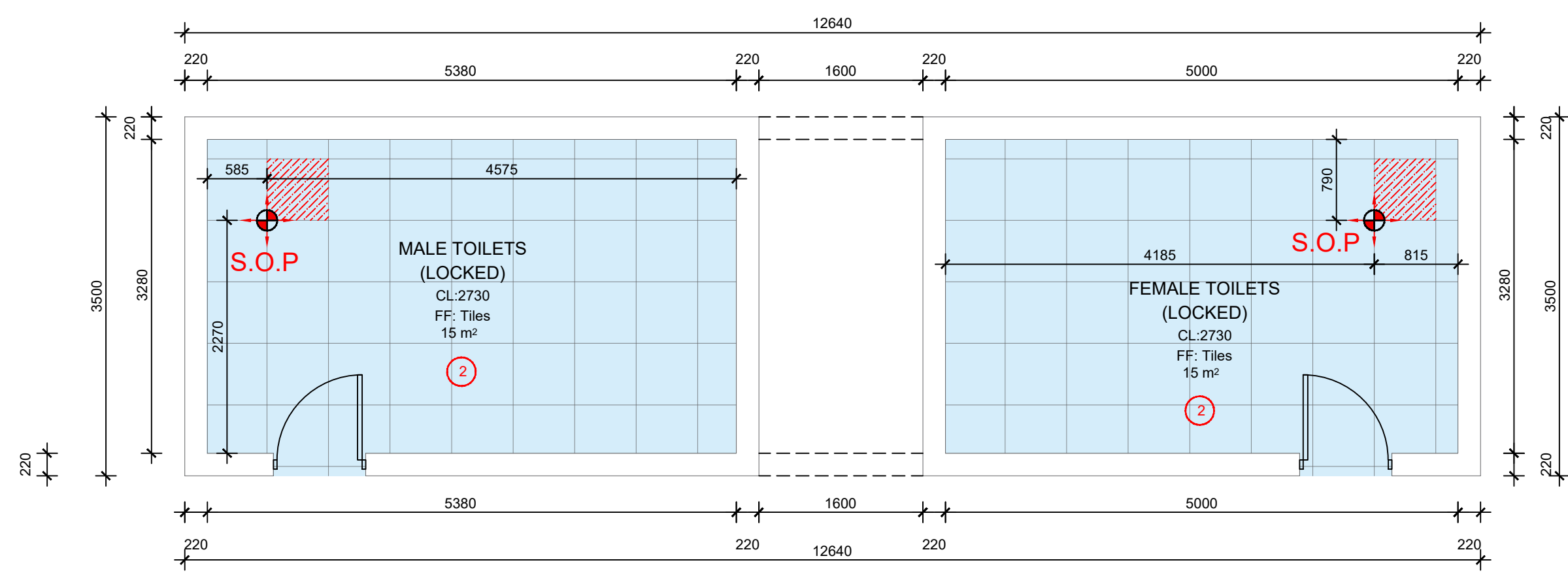
STOREROOM
SCALE 1:50
TOTAL AREA:9 m²



PUBLIC WAITING
SCALE 1:50
TOTAL AREA:34 m²



ABLUTIONS 1
SCALE 1:50
TOTAL AREA:30 m²



ABLUTIONS 2
SCALE 1:50
TOTAL AREA:44 m²


FINISHES SCHEDULE	DESCRIPTION
①	600x600 Porcelain floor tile
②	600x600 Porcelain floor tile
③	50mm SOFFIT

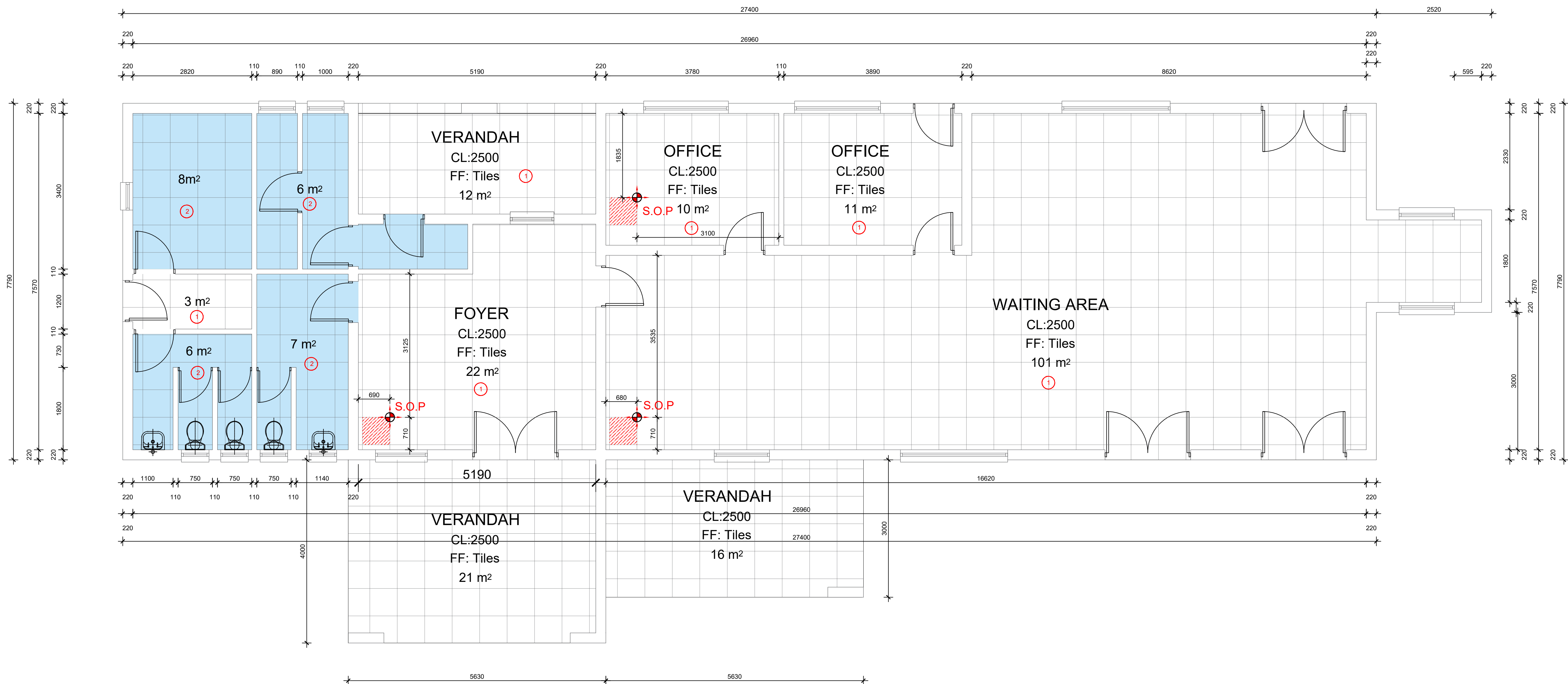
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CLIENT		
TITLE	NAME	DATE

MAIN CONSULTANT		
TITLE	NAME	DATE
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CHECKED		
ENG. COORD		
ARCHITECT	M. MADIBA	22/07/2022
ELEC. ENG.		
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INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME		DATE
SIGNATURE		
REG. NUMBER		

		
PRASA MAINTENANCE PLAN/ ADDITIONS & ALATERATIONS		
MEREBANK STATION FLOOR FINISH II		
SCALE	DATE	Drawing Number
1:50	05-09-22	1040-002-10-0006
CLIENT Drawing Number	Rev.	Sheet Size
	1	A0
Status	ISSUED FOR INFORMATION	



OLD ABANDONED ADMIN OFFICE
SCALE 1:50
TOTAL AREA: 258m²

FINISHES SCHEDULE	DESCRIPTION
①	600x600 Porcelain floor tile
②	600x600 Porcelain floor tile
③	50mm SOFFIT

- GENERAL NOTES:**
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS.
 - ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECK ON SITE BEFORE WORK PUT ON HAND.
 - REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER.
 - THIS DRAWING MUST NOT BE USED TO SCALE OFF. USE ONLY WRITTEN DIMENSIONS. CONTACT THE ENGINEER OR ARCHITECT WHERE CLARITY IS SOUGHT.
 - FOR SETTING OUT DATA, SETTING OUT POINTS AND DATUM LEVELS REFER TO SURVEY INFORMATION AND ARCHITECT'S DRAWINGS.
 - STRUCTURAL WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.N.S. SPECIFICATIONS. ALL CONCRETE WORKS IS TO BE DONE IN ACCORDANCE WITH S.A.N.S 1200G AND EARTHWORKS IS ACCORDANCE WITH S.A.N.S 1200D.
 - CONSULT RELEVANT ARCHITECT'S, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLET, RWDPDS AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.

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PASSENGER RAIL AGENCY OF SOUTH AFRICA

CLIENT

TITLE	NAME	DATE

MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	MR E. MGUZUMABANE	22/07/2022
CHECKED		
ENG. COORD		
ARCHITECT	M. MADIBA	22/07/2022
ELEC. ENG.		
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME		DATE
SIGNATURE		
REG. NUMBER		

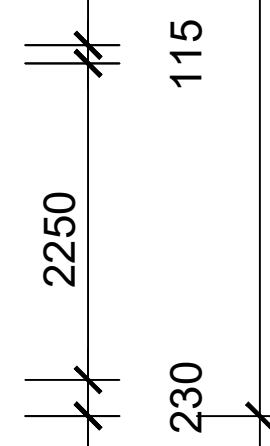
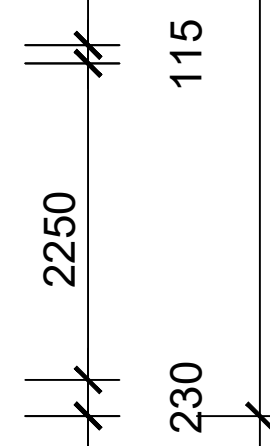
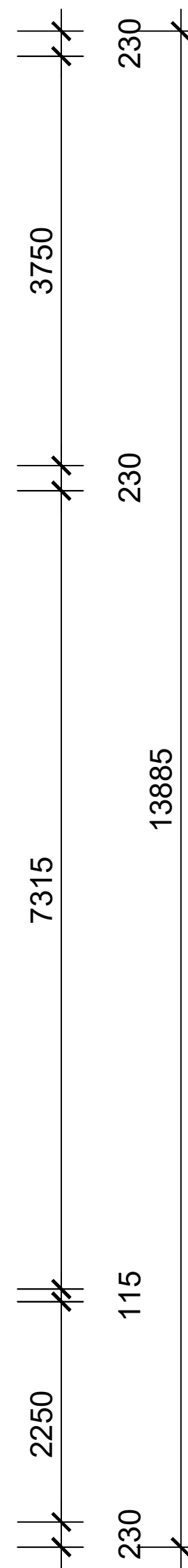


EST. 2015

PRASA MAINTENANCE PLAN/
ADDITIONS & ALATERATIONS

MEREBANK STATION
FLOOR FINISH III

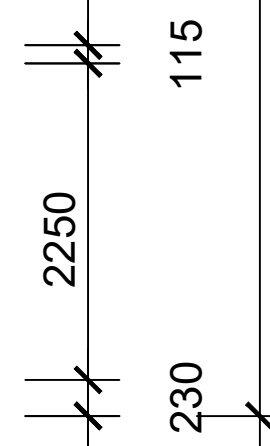
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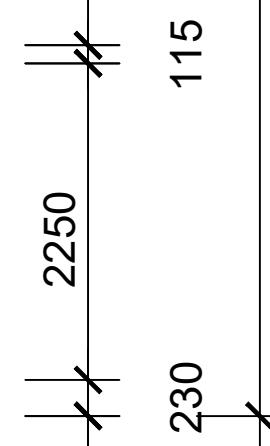
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2250	

230	115
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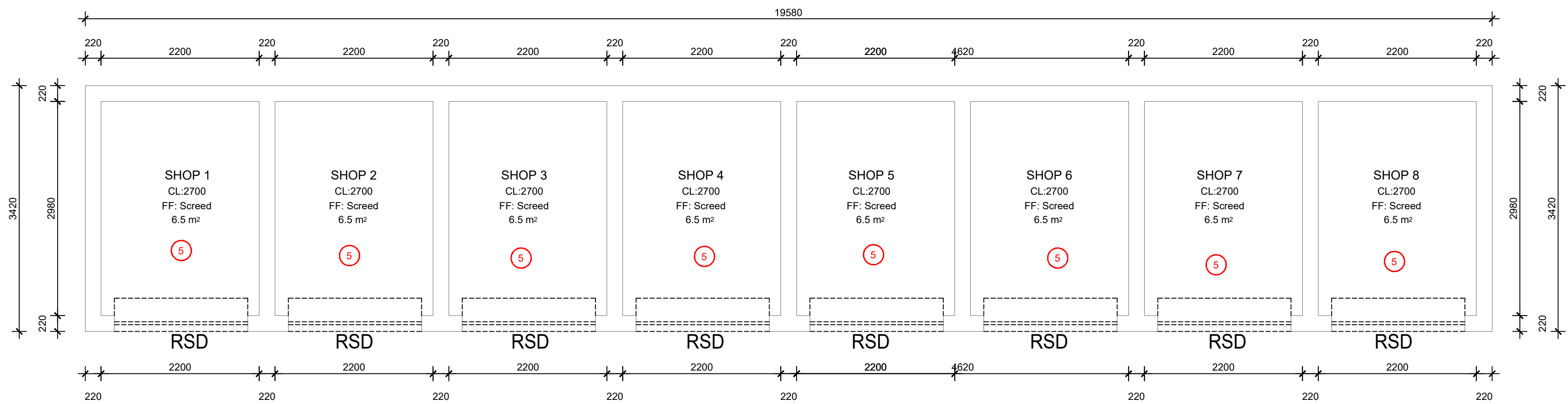
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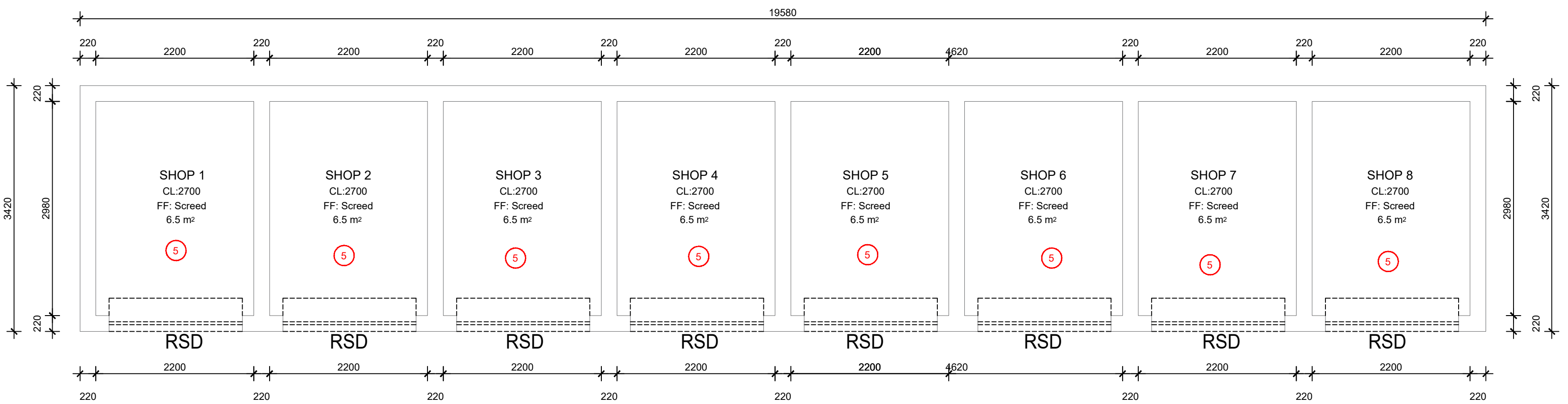
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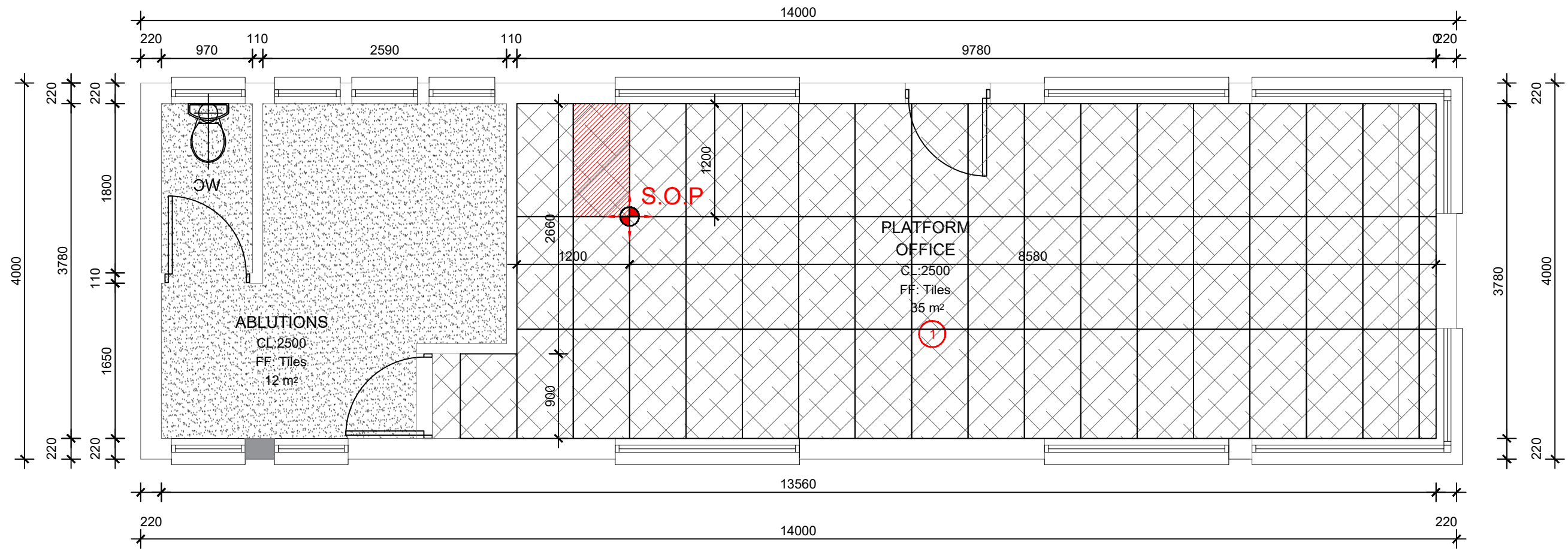
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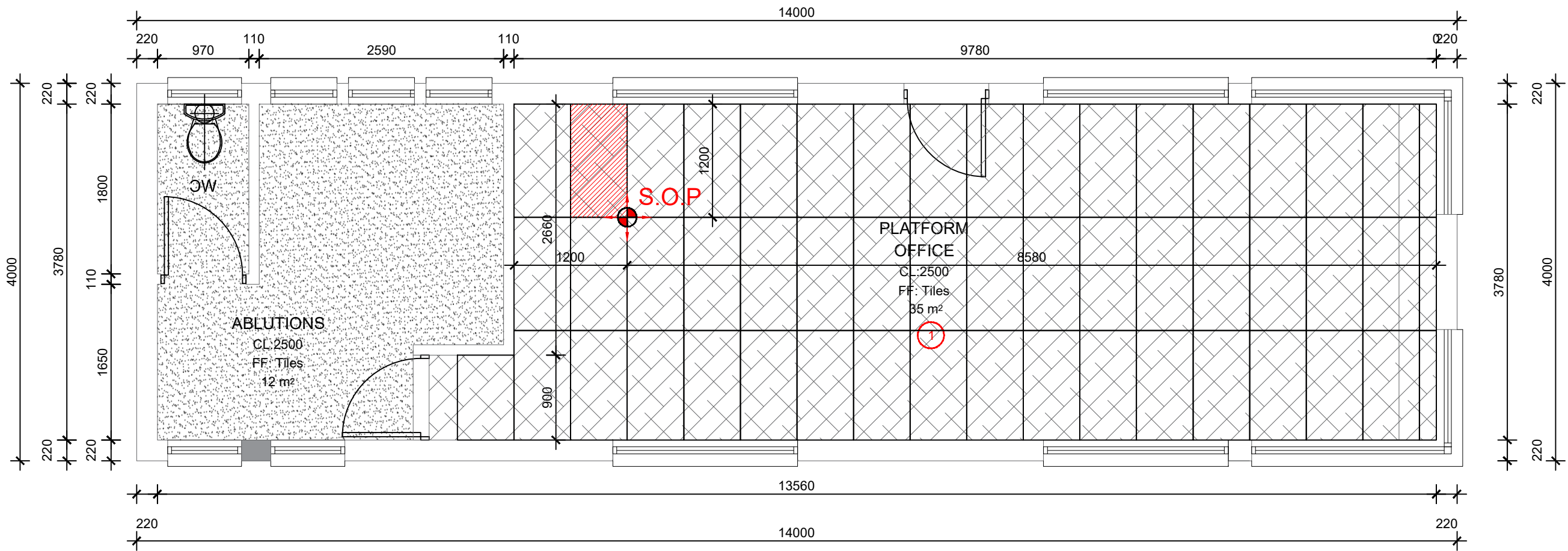
VENDING SHOPS/STORES 1
SCALE 1:50
TOTAL AREA:66 m²



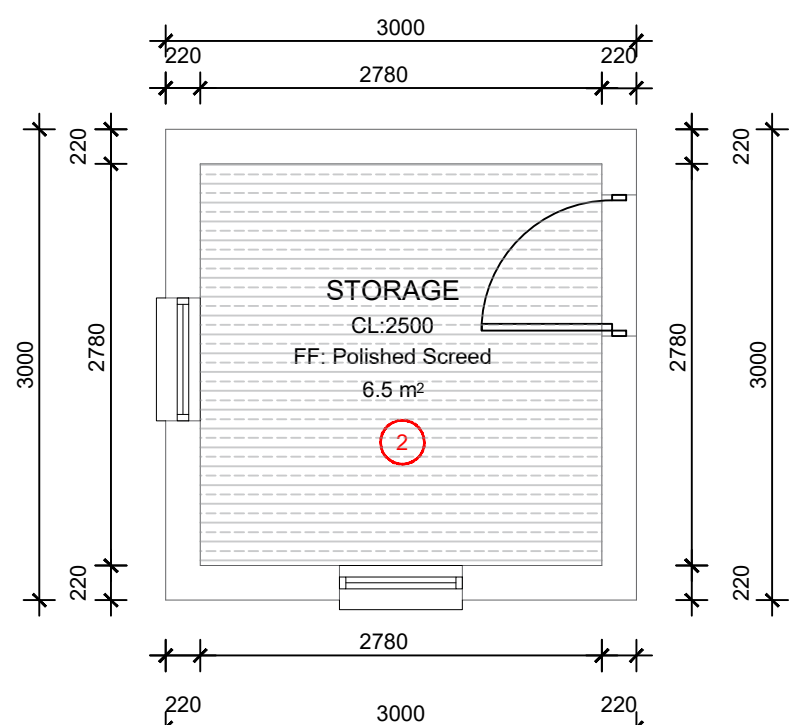
VENDING SHOPS/STORES 2
SCALE 1:50
TOTAL AREA:66 m²



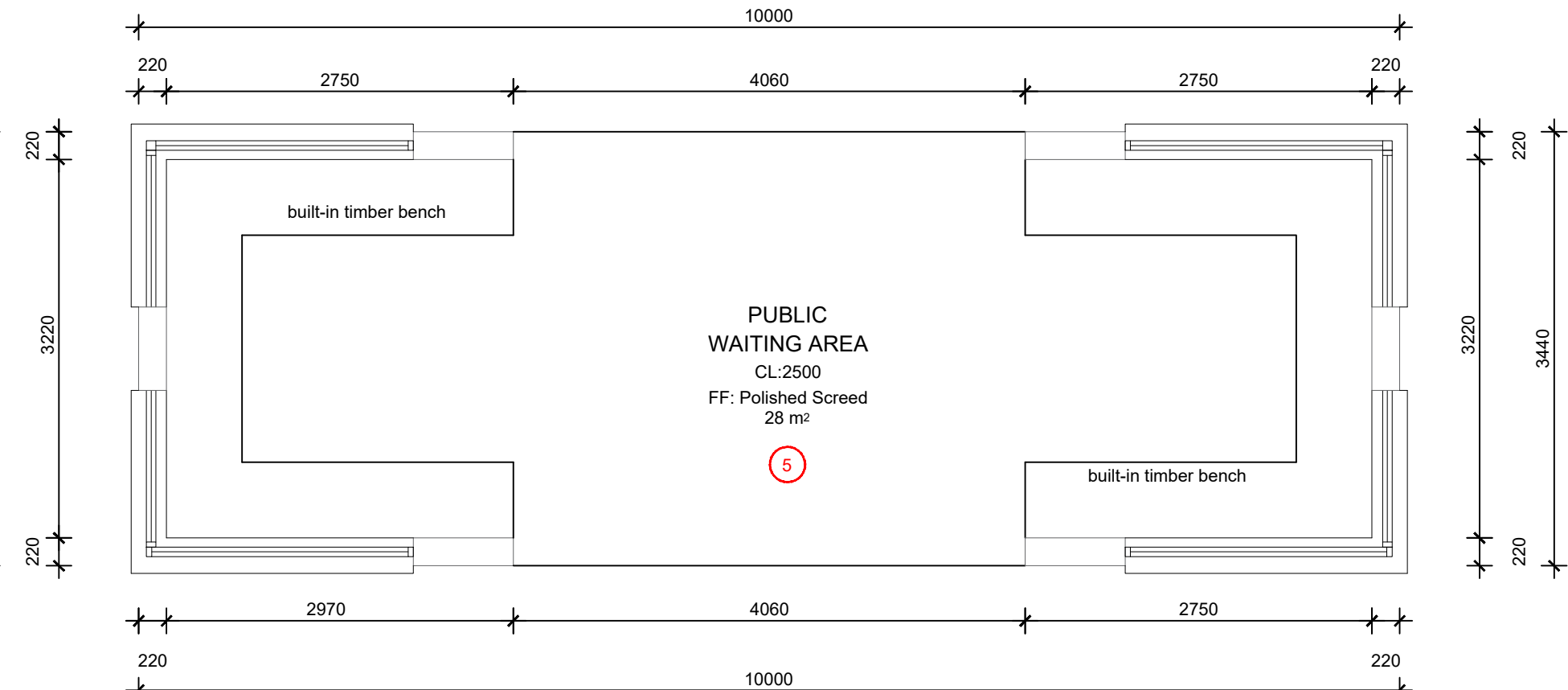
PLATFORM OFFICE 1
SCALE 1:50
TOTAL AREA:56 m²



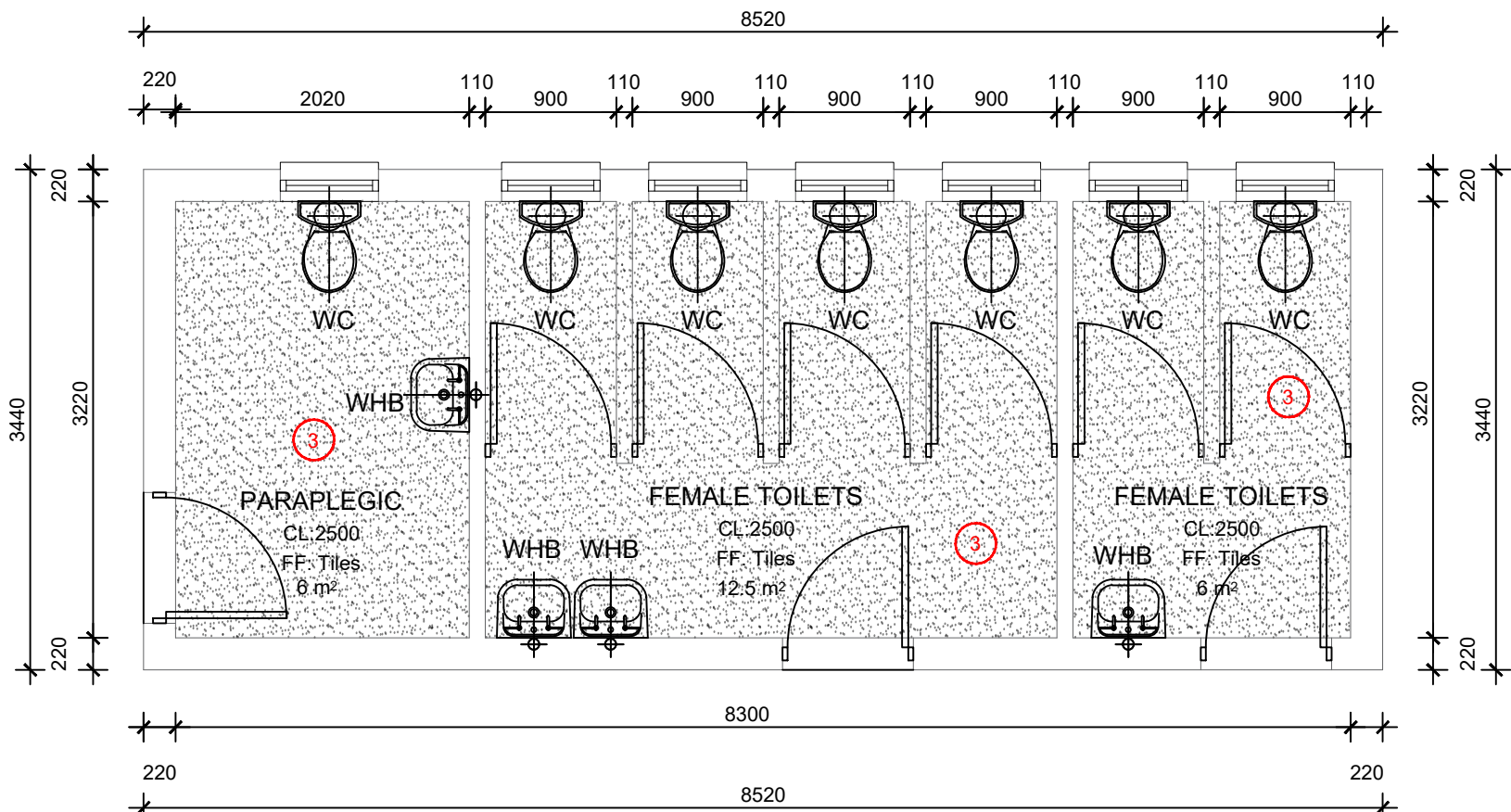
PLATFORM OFFICE 2
SCALE 1:50
TOTAL AREA:56 m²



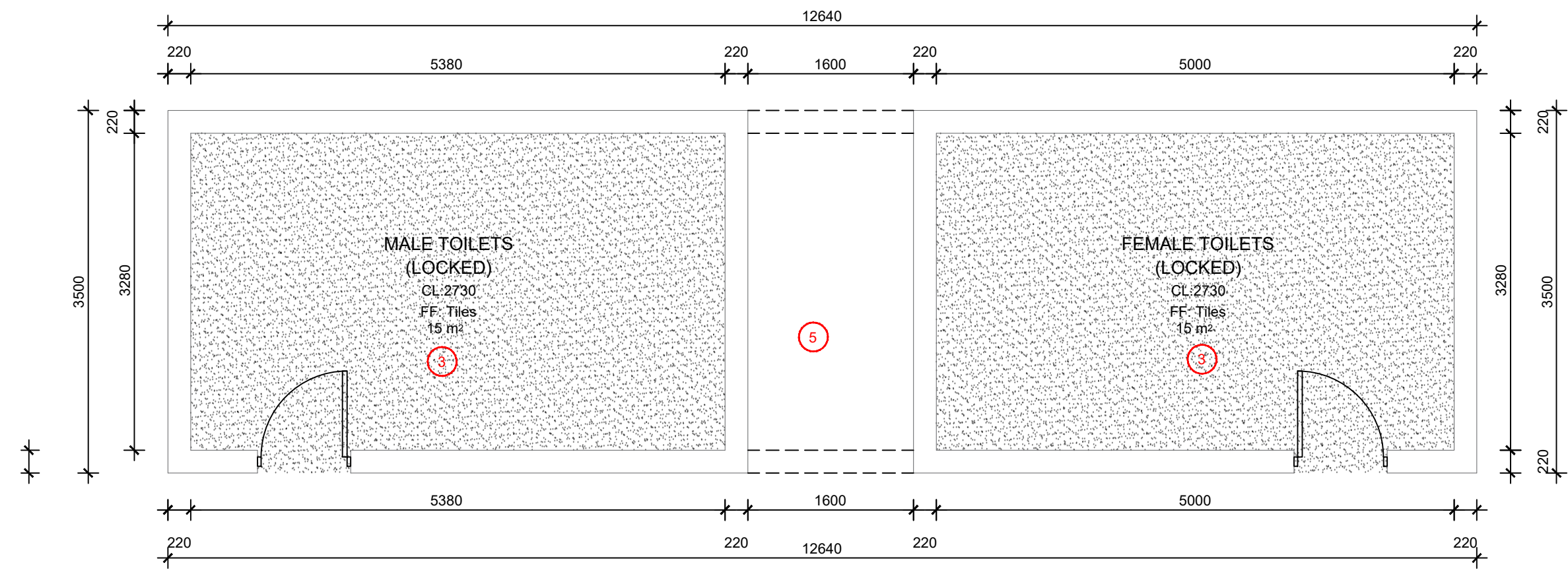
STOREROOM
SCALE 1:50
TOTAL AREA:9 m²



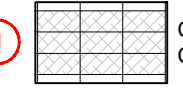




PUBLIC WAITING
SCALE 1:50
TOTAL AREA:34 m²



ABLUTIONS 1
SCALE 1:50
TOTAL AREA:30 m²



ABLUTIONS 2
SCALE 1:50
TOTAL AREA:44 m²

CEILING LEGEND	
CEILING TYPE	DESCRIPTION
 CEILING TILES - VINYL COATED	12.5MM VINYL FACED GYPSUM CEILING PANELS, FACE COVERED WITH WHITE EMBOSSED VINYL, SIZE 1200 X 600MM L&D ON FIRE RATED CLO SYSTEM S3 EXPOSED DEMOUNTABLE SUSPENSION SYSTEM INCLUDING GALVANISED MAIN TEES, CROSS TEES, ETC., ALL SUSPENDED WITH GALVANISED HANGERS AT CENTRES NOT EXCEEDING 1200MM, WITH CEILING PERIMETER FINISHED WITH SHADOWLINE W-TRIM PLUGGED AT 200MM CENTRES, AND ALL INSTALLED TO MANUFACTURER'S INSTRUCTIONS.
 SKIMMED CEILING - INTERNAL Colour: WHITE See PRASA 2.1.1 & 2.1A, Color spec, section P, P.11	ONE LAYER OF 9.5mm FLUSH PLASTER GYPSUM OR MAGNA BOARD CEILING (OR SIMILAR APPROVED), APPLY RHINO TAPE TO ALL JOINTS AND SKIM THE CEILING USING SIMILAR APPROVED RHINOLITE, CEILING GRID TO BE 1200 C/C, FIXED TO CONCEALED SUSPENDED TEE SYSTEM, SKIMMED AND PREPARED TO RECEIVE 2 COATS QUALITY PVA PAINT, ALL IN STRICT ACCORDANCE WITH MANUFACTURES SPECIFICATION & REQUIREMENTS.
 SKIMMED CEILING - ABLUTIONS Colour: WHITE See PRASA 2.1.1 & 2.1A, Color spec, section P, P.11	ONE LAYER OF 12mm FLUSH PLASTER GYPSUM OR MAGNA BOARD CEILING (OR SIMILAR APPROVED), APPLY RHINO TAPE TO ALL JOINTS AND SKIM THE CEILING USING SIMILAR APPROVED RHINOLITE, CEILING GRID TO BE 1200 C/C, FIXED TO CONCEALED SUSPENDED TEE SYSTEM, SKIMMED AND PREPARED TO RECEIVE 2 COATS QUALITY PVA PAINT, ALL IN STRICT ACCORDANCE WITH MANUFACTURES SPECIFICATION & REQUIREMENTS.
 CONCRETE SLAB	REMOVE ALL LOOSE PAINT, SURFACE CONTAMINANTS, FRABLE MATERIALS, REMOVE ANY MOULD RELEASE AGENT USING CLEAN WATER, LEAVING SURFACE CLEAN, DRY AND DUST FREE, CONCRETE SOFFITS TO BE PAINTED, RIPPEL PAINT TEXTURE, 15MM SMOOTH PLASTER TO UNDERSIDE OF SOFFIT & PAINTED, PRIME SURFACE WITH ONE COAT PROFESSIONAL PLASTER PRIMER WITH AN OVERCOATING TIME OF 18 HOURS AND FINISH WITH TWO COATS OF MATT PAINT WITH AN OVERCOATING TIME OF 4 HOURS, ALL IN STRICT SPECIFICATIONS AS PER DATA SHEETS WHICH MAY BE PROVIDED ON REQUEST, IN ACCORDANCE WITH PREFERRED MANUFACTURERS.
 NO CEILING	NO CEILING.

GENERAL NOTES:

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PASSENGER RAIL AGENCY OF SOUTH AFRICA

CLIENT

TITLE	NAME	DATE

MAIN CONSULTANT

TITLE	NAME	DATE
DRAWN	MR E. MGUZUMABANE	22/07/2022

CHECKED


ENG. COORD		
ARCHITECT	M. MADIBA	22/07/2022
ELEC. ENG.		
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		

APPROVED BY

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SIGNATURE

REG. NUMBER

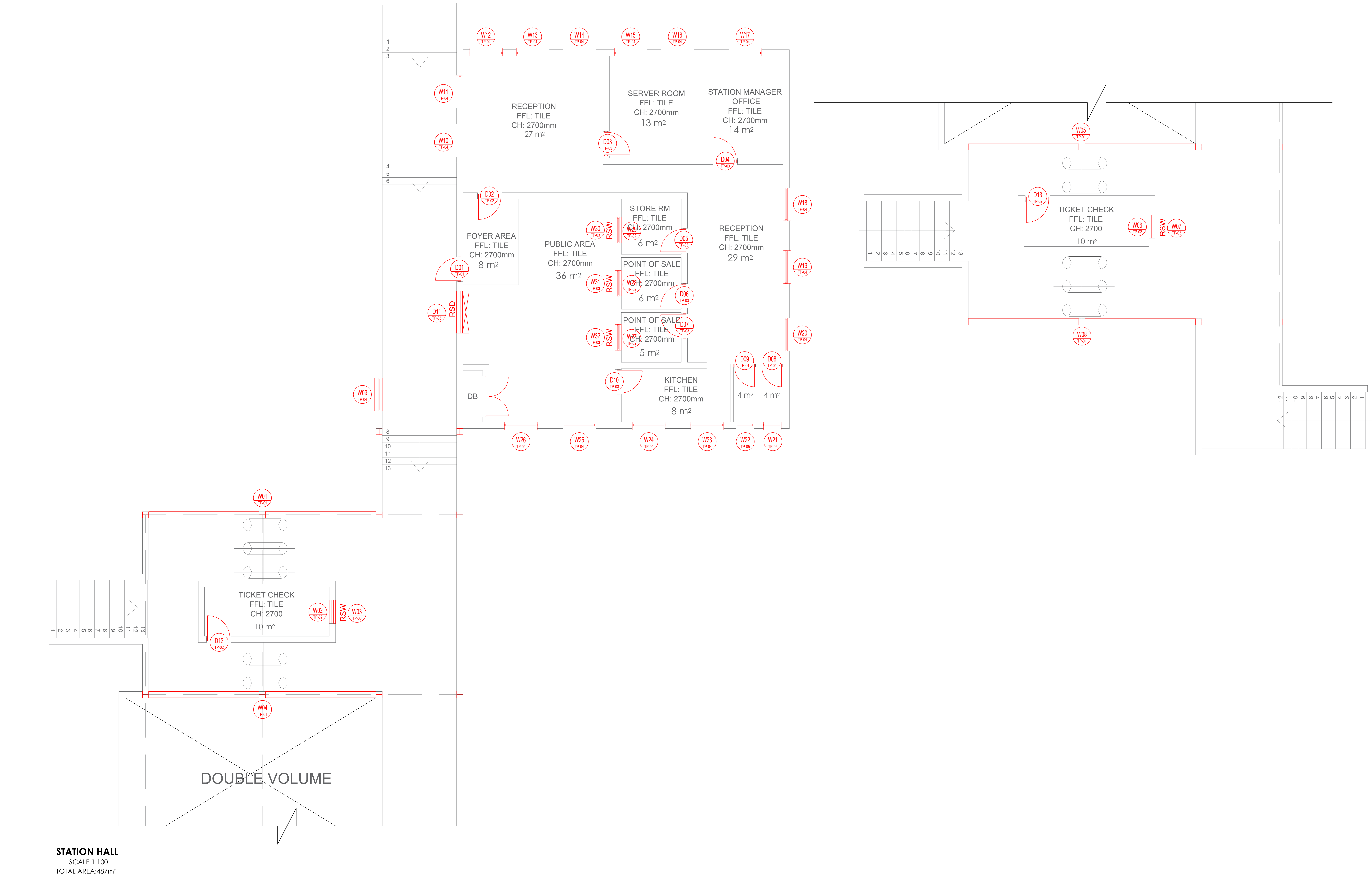


EST. 2015

PRASA MAINTENANCE PLAN/ ADDITIONS & ALATERATIONS

MEREBANK STATION
CEILING LAYOUT II

SCALE	DATE	Drawing Number	CLIENT Drawing Number	Rev.	Sheet Size	Status
1:50	05-09-22	1040-002-10-0009		1	A0	ISSUED FOR INFORMATION



STATION HALL
SCALE 1:100
TOTAL AREA:487m²

- GENERAL NOTES:**
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS.
 - ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECK ON SITE BEFORE WORK PUT ON HAND.
 - REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER.
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DRAWING NO.	REFERENCE	NO.	DESCRIPTION	BY	CHKD	APPD	DATE
REFERENCE DRAWINGS		REVISIONS / ISSUE AUTHORIZATION					
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PASSENGER RAIL AGENCY OF SOUTH AFRICA

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NAME		DATE
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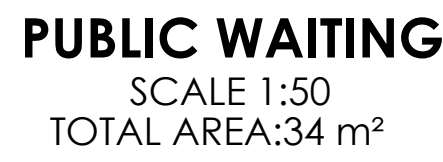


EST. 2015

PRASA MAINTENANCE PLAN/
ADDITIONS & ALATERATIONS

MEREBANK STATION
REFERENCE PLANS I

SCALE	DATE	Drawing Number	CLIENT Drawing Number	Rev.	Sheet size	Status.
1:50	05-09-22	1040-002-10-0011		1	A0	ISSUED FOR INFORMATION



1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS.
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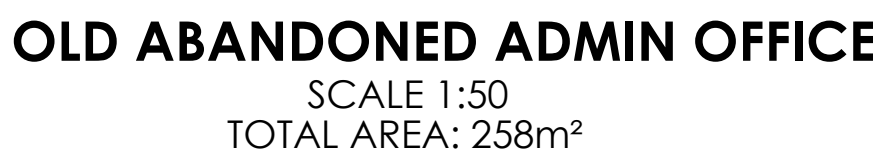
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PRASA MAINTENANCE PLAN/
ADDITIONS & ALTERATIONS

**MEREBANK STATION
REFERENCE PLANS II**

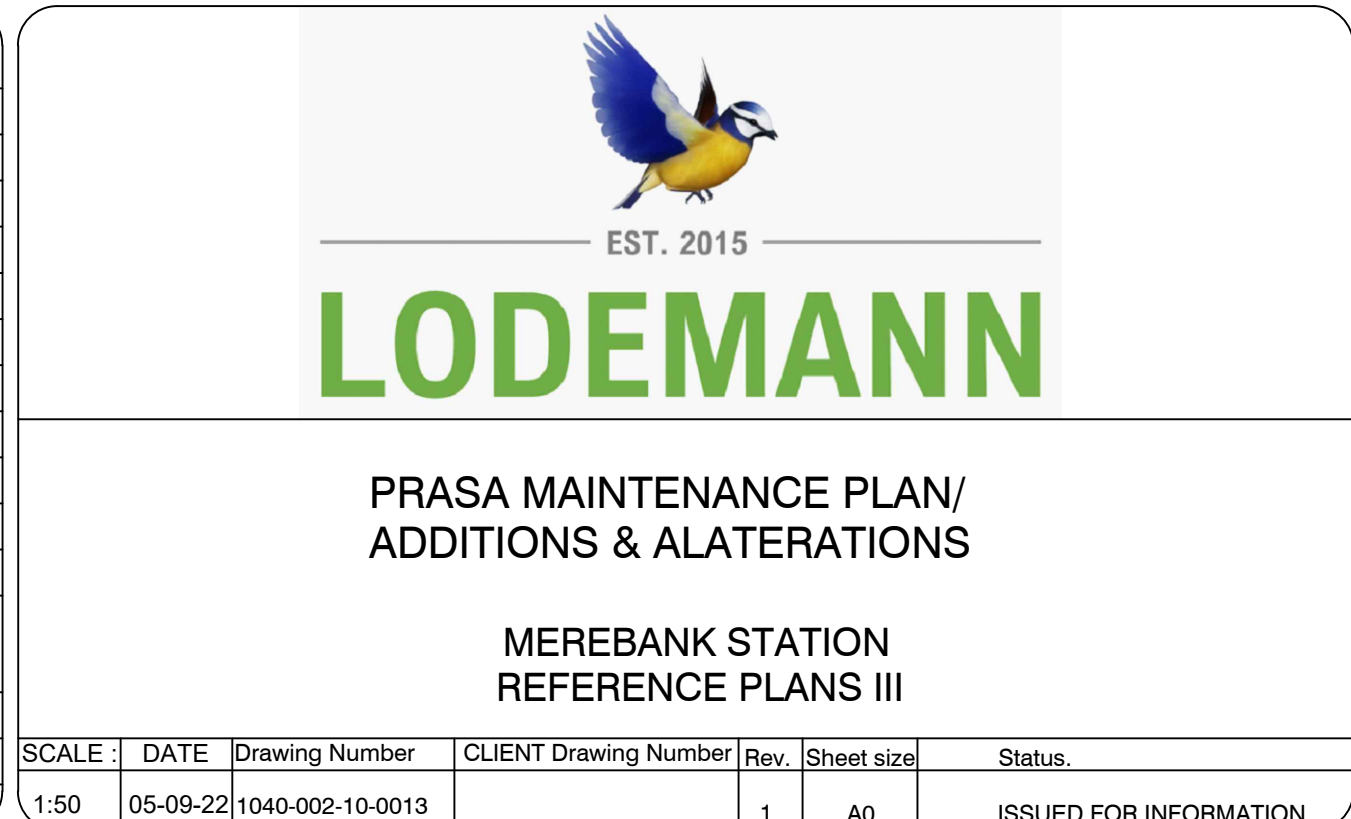
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[illegible]

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APPROVED BY		
NAME		DATE
SIGNATURE		
REG. NUMBER		



DOOR SCHEDULE

TP-01			TP-02			TP-03			TP-04			TP-05		
BY ELECTRICAL CONSULTANT CONNECTED TO - ACCESS CONTROL FIRE DETECTION SYSTEM			BY ELECTRICAL CONSULTANT CONNECTED TO - ACCESS CONTROL FIRE DETECTION SYSTEM											
<p>DOOR NOTES</p> <p>ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.</p> <p>REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.</p> <p>BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS.</p> <p>ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.</p> <p>ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY.</p> <p>ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.</p> <p>ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.</p>			<p>DOOR NOTES</p> <p>ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.</p> <p>REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.</p> <p>BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS.</p> <p>ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.</p> <p>ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY.</p> <p>ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.</p> <p>ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.</p>			<p>DOOR NOTES</p> <p>ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.</p> <p>REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.</p> <p>BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS.</p> <p>ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.</p> <p>ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY.</p> <p>ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.</p> <p>ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.</p>			<p>DOOR NOTES</p> <p>ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.</p> <p>REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.</p> <p>BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS.</p> <p>ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.</p> <p>ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY.</p> <p>ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.</p> <p>ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.</p>			<p>DOOR NOTES</p> <p>ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.</p> <p>REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.</p> <p>BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS.</p> <p>ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.</p> <p>ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY.</p> <p>ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.</p> <p>ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.</p>		
LOCATION ADMIN OFFICES CONTROLLED ENTRANCE			LOCATION ADMINISTRATION OFFICES CONTROLLED ENTRANCE			LOCATION REFER TO REFERENCE PLANS			LOCATION OFFICE ABLUTIONS			LOCATION PUBLIC FOYER		
QUANTITY 1			QUANTITY 1			QUANTITY 14			QUANTITY 6			QUANTITY 1		
FINISH DOORS CAN BE GALVANISED CLADDED AND OR BE POWDER COATED. SEE PRASA 2.1. COLOUR SPEC Q01 FOR EXTERNAL DOORS.			FINISH PRIMED & PAINTED WITH 2 COATS PLASCON VELVAGLO APPLIED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATION, COLOUR: T.B.C.			FINISH WOOD TO BE SEALED WITH LINSEED OIL OR OTHER RECOMMENDED SEALANTS BY MANUFACTURE AND TO BE PAINTED TO ARCHITECT SPEC. APPROVED BY CLIENT.			FINISH WOOD TO BE SEALED WITH LINSEED OIL OR OTHER RECOMMENDED SEALANTS BY MANUFACTURE AND TO BE PAINTED TO ARCHITECT SPEC. APPROVED BY CLIENT.			FINISH POWDER COATED "MATT DARK LUMBER GREY" ANP 3657		
GLAZING NONE			GLAZING 300x300mm GLASS VIEWING PANELS WITH ALUMINIUM FRAMES AND RUBBER GASKETS. IN ACCORDANCE TO SANS 10400 PART N			GLAZING NONE			GLAZING N/A			GLAZING NONE		
IRON MONGERY IRON MONGERY SCHEDULE IN ACCORDANCE TO PRASA BLUEPRINT, CODE Q.			IRON MONGERY IRON MONGERY SCHEDULE BY SPECIALIST. 2 No. TILLOWARE FLOOR MOUNTED DOOR HOLD OPEN CATCH, CODE B2387, SIZE 150x45mm. SATIN CHROME FINISH. 2 No. TORMAX TOP/END DOOR CLOSER WITH SLIDE CHANNEL. 2 No. HOMOLOC 16100000M1. 120x20mm N.A. ALUMINIUM FULL HANDLE (CENTRE MOUNTED) ON 300x100x10mm N.A.A. BACKPLATE. 1.5 PAIRS HOMOLOC HEAVY 100x75mm BRASS BUTT HINGES WITH DOUBLE NYLON WASHERS PER LEAF.			IRON MONGERY IRON MONGERY SCHEDULE IN ACCORDANCE TO PRASA BLUEPRINT, CODE Q.			IRON MONGERY IRON MONGERY SCHEDULE IN ACCORDANCE TO PRASA BLUEPRINT, CODE Q.			IRON MONGERY IRON MONGERY SCHEDULE BY SPECIALIST.		
DOOR & FRAME DESCRIPTION LEVEL 03 BULLET RESISTANT ANTI-BANDIT DOOR, COMPLETE WITH 100 X 40 X 3MM GAUGE MILD STEEL RECTANGULAR FRAME AND 20 X 20 X 3MM MS ANGLE REINFORCES. OVERALL SIZE 900 X 2100MM HIGH IN POWDER COATING AND OR GALVANISED. GLAZING WITH PEEL HOLE, SUPPLIED WITH A PIN TUMBLER KEY SYSTEM, MORTICE DEAD LOCK WITH AN ADDITIONAL HEAVY DUTY MORTICE LOCK AND STRIKER INCLUDING KEY SWITCH AND SURFACE MOUNTED CASING, 6 AMP POWER SUPPLY, PUSH BUTTONS AND INTERLOCK SYSTEM. HEAVY DUTY ALUMINIUM CONTINUOUS HINGE, ALUMINIUM SLAM BAR WITH HEAVY DUTY DOOR CLOSER AND DISTYLE PULL HANDLES. DOOR TO COMPLY TO SABS 1655-1999			DOOR & FRAME DESCRIPTION HEAVY DUTY ANTI BANDIT TIMBER DOOR, WITH GMS (COASTAL) or MS (INLAND) PRESSED METAL FRAME TO SUITE DOOR & WALL, FRAMES & PAINTED WITH 2 COATS			DOOR & FRAME DESCRIPTION 800mm x 2100mm SOLID TIMBER DOOR SIDES AND CONCEALED EDGES TO SUIT OPENING. DOOR TO BE FITTED WITH 3 X HINGES PER LEAF ALL TO SPECIALIST DETAILS. COLOUR OF THE DOOR AND FRAME TO ARCHITECT'S SPECIALIST.			DOOR & FRAME DESCRIPTION 800mm x 2100mm SOLID TIMBER DOOR SIDES AND CONCEALED EDGES TO SUIT OPENING. DOOR TO BE FITTED WITH 3 X HINGES PER LEAF ALL TO SPECIALIST DETAILS. COLOUR OF THE DOOR AND FRAME TO ARCHITECT'S SPECIALIST.			DOOR & FRAME DESCRIPTION MAXIDOR MPANDA SERRANDA ROLL UP PERFORATED GALVANISED, SABS 1461, 8. EPOXY COATED MS PERFORATED ROLLER SHUTTER FOR OPENINGS UP TO 3M X 4M HIGH, ELECTRICALLY OPERATED WITH 220 VOLT 14500 MOTOR WITH MANUAL OVERRIDE, WITH 75 X 1.0MM THICK GALV. ENCLOSED SLATS COMPLETE WITH NYLON END LOCKS, 100MM EXTRA WIDE TAMPER PROOF MS GUIDES, POWDER COATED ANCLARY COMPONENTS INCLUDING DOOR CURTAIN, 4.0MM THICK END PLATES, GUIDE RAILS, CLOSED SHAFT, EXTRUDED ALUMINIUM T-BAR WITH ASTRAGAL RUBBER WEATHER SEAL, 8 SINGLE SPAN (NO JOIN) GALV. COVER BOX, OPERATED WITH HIGH SECURITY KEY SWITCH, FIXED TO BRICK, CONCRETE OR STRUCTURAL STEEL JAMBS AND STRUCTURAL STEEL BEAM OVER, CONTRACTOR TO PROVIDE CAVITY OF 160MM X 120MM FOR RECESSING GUIDES.		

DOOR SCHEDULE

TP-06			TP-07			TP-08			TP-09			TP-10		
BY ELECTRICAL CONSULTANT CONNECTED TO - ACCESS CONTROL FIRE DETECTION SYSTEM			BY ELECTRICAL CONSULTANT CONNECTED TO - ACCESS CONTROL FIRE DETECTION SYSTEM											
<p>DOOR NOTES</p> <p>ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.</p> <p>REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.</p> <p>BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS.</p> <p>ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.</p> <p>ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY.</p> <p>ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.</p> <p>ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.</p>			<p>DOOR NOTES</p> <p>ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.</p> <p>REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.</p> <p>BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS.</p> <p>ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.</p> <p>ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY.</p> <p>ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.</p> <p>ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.</p>			<p>DOOR NOTES</p> <p>ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.</p> <p>REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.</p> <p>BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS.</p> <p>ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.</p> <p>ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY.</p> <p>ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.</p> <p>ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.</p>			<p>DOOR NOTES</p> <p>ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.</p> <p>REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.</p> <p>BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS.</p> <p>ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.</p> <p>ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY.</p> <p>ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.</p> <p>ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.</p>			<p>DOOR NOTES</p> <p>ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.</p> <p>REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.</p> <p>BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS.</p> <p>ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.</p> <p>ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY.</p> <p>ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.</p> <p>ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.</p>		
LOCATION SHOPS STALLS			LOCATION PUBLIC ABLUTIONS			LOCATION MALE AND FEMALE CUBICLES AND SHOWERS			LOCATION ABANDONED OLD ADMIN BLOCK			LOCATION ABANDONED OLD ADMIN BLOCK		
QUANTITY 1			QUANTITY 4			QUANTITY 10			QUANTITY 1			QUANTITY 4		
FINISH POWDER COATED "MATT DARK LUMBER GREY" ANP 3657			FINISH 70mm, 1.2mm GALVANIZED SLAT MATERIAL, OR OTHER RECOMMENDED SLAT BY MANUFACTURE.			FINISH WOOD TO BE SEALED WITH LINSEED OIL OR OTHER RECOMMENDED SEALANTS BY MANUFACTURE AND TO BE PAINTED TO ARCHITECT SPEC. APPROVED BY CLIENT.			FINISH ALUMINIUM DOOR FRAMES TO BE NATURAL ANODISED ALUMINIUM, POWDER COATED IN ACCORDANCE TO PRASA BLUE PRINT.			FINISH ALUMINIUM DOOR FRAMES TO BE NATURAL ANODISED ALUMINIUM, POWDER COATED IN ACCORDANCE TO PRASA BLUE PRINT.		
GLAZING NONE			GLAZING NONE			GLAZING N/A			GLAZING 6mm CLEAR GLASS VIEWING PANELS WITH ALUMINIUM FRAMES AND RUBBER GASKETS. IN ACCORDANCE TO SANS 10400 PART N			GLAZING 6mm CLEAR GLASS VIEWING PANELS WITH ALUMINIUM FRAMES AND RUBBER GASKETS. IN ACCORDANCE TO SANS 10400 PART N		
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DOOR NOTE:

- ALL EXISTING INTERNAL AND EXTERNAL DAMAGED STEEL AND TIMBER DOORS AND FRAMES TO BE REMOVED AND REPLACED WITH NEW FRAMES, WHERE NECESSARY, TO MATCH EXISTING. STRICTLY REFER TO ARCHITECTS BEFORE ANY DOOR FRAME REMOVAL.
- ALL NEW INTERNAL AND EXTERNAL STEEL DOOR FRAMES TO BE SANDED DOWN, TREATED AND PAINTED WITH PLASCON PROFESSIONAL GLOSS ENAMEL (PBS 1000) OR DULUX TRADE GLOSS ENAMEL PAINT, IN ACCORDANCE TO PRASA BLUE PRINT.
- ALL NEW ALUMINIUM DOOR FRAMES TO BE NATURAL ANODISED ALUMINIUM, IN ACCORDANCE TO PRASA BLUE PRINT.
- ALL EXISTING INTERNAL AND EXTERNAL TIMBER DOOR FRAMES TO BE SANDED DOWN & VARNISHED OR REPAINTED WITH TWO COATS OF QUALITY VARNISH AS PER HERITAGE REQUIREMENTS.
- PAINT ALL INTERNAL DOOR LEAFS TO BE PAINTED WITH PLASCON OR DULUX TRADE PEARLGLO EMULSION PAINT.
- PAINT ALL EXTERNAL DOOR LEAFS TO BE PAINTED WITH PLASCON PROFESSIONAL OR DULUX TRADE GLOSS ENAMEL PAINT.
- EXISTING SECURITY BANDIT GATES TO BE CLEANED AND REPAIRED. PROPOSE NEW GALVANIZED STEEL SECURITY GATES WHERE NECESSARY ACCORDING TO THE CLIENT.

GENERAL NOTES:

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS.
2. ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECK ON SITE BEFORE WORK PUT ON HAND.
3. REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER.
4. THIS DRAWING MUST NOT BE USED TO SCALE OFF. USE ONLY WRITTEN DIMENSIONS. CONTACT THE ENGINEER OR ARCHITECT WHERE CLARITY IS SOUGHT.
5. FOR SETTING OUT DATA, SETTING OUT POINTS AND DATUM LEVELS REFER TO SURVEY INFORMATION AND ARCHITECT'S DRAWINGS.
6. STRUCTURAL WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.N.S. SPECIFICATIONS. ALL CONCRETE WORKS IS TO BE DONE IN ACCORDANCE WITH S.A.N.S. 1200G AND EARTHWORKS IS ACCORDANCE WITH S.A.N.S. 1200D.
7. CONSULT RELEVANT ARCHITECT'S, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLET, RWDPS AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.

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CLIENT		
TITLE	NAME	DATE

MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	MR E. MGUZUMABANE	22/07/2022
CHECKED		
ENG. COORD		
ARCHITECT	M. MADIBA	22/07/2022
ELEC. ENG.		
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME		DATE
SIGNATURE		
REG. NUMBER		

SCALE			DATE	Drawing Number	CLIENT Drawing Number	Rev.	Sheet size	Status.
1:20			05-09-22	1040-002-10-0014		1	A0	ISSUED FOR INFORMATION

WINDOW SCHEDULE

[illegible]

WINDOW SCHEDULE

<div> <div>TP-04</div> <div>ISSUE FOR INFORMATION</div> <div> </div> <div> <p>WINDOW NOTES</p> <ul style="list-style-type: none"> ALL WINDOW SIZES ARE DESIGN, SUPPLY AND FIXED. REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND. BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HAND. ARCHITECT APPROVES DRAWING ON BEST PRACTICE BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR. ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY. </div> <div> <p>SHOP DRAWINGS TO BE SUBMITTED TO ARCHITECTS FOR APPROVAL PRIOR TO MANUFACTURE</p> </div> <table border="1"> <thead> <tr> <th>LOCATION</th> <th>ALL ABUTIONS</th> </tr> </thead> <tbody> <tr> <td>QUANTITY</td> <td>14</td> </tr> <tr> <td>FINISH</td> <td>POWDER COATED CHARCOAL ALUMINIUM WINDOW, IN ACCORDANCE TO PRASA SPEC.</td> </tr> <tr> <td>GLAZING</td> <td>6mm CLEAR SAFETY GLAZING THROUGHOUT. 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WINDOW NOTE:


- ALL EXISTING DAMAGED STEEL AND TIMBER WINDOWS AND FRAMES TO BE REMOVED AND REPLACED WITH NEW ALUMINUM FRAMES, TO MATCH EXISTING ALUMINUM FRAMES. COATED WITH MATT DARK UMBER GREY ANP 3057.
- ALL EXISTING WINDOW STEEL FRAMES BEING RETAINED TO BE SANDED DOWN, TREATED AND PAINTED WITH PLASCON PROFESSIONAL GLOSS ENAMEL (PBS 1000) OR DULUX TRADE GLOSS ENAMEL PAINT, IN ACCORDANCE TO PRASA BLUE PRINT.
- ALL NEW ALUMINUM WINDOW FRAMES TO BE NATURAL ANODIZED ALUMINUM, IN ACCORDANCE TO PRASA BLUE PRINT.
- ALL EXISTING TIMBER WINDOW FRAMES TO BE SANDED DOWN & VARNISHED OR REPAINTED WITH TWO COATS OF QUALITY VARNISH AS PER HERITAGE REQUIREMENTS.
- ROLLER BLIND INSTALLED INTO THE TICKET SALES WINDOW, LOWERED DOWN INDICATES TICKET COUNTER NOT IN USE CURRENTLY.
- BULLET RESISTANT PAY / TRANSACTION WINDOWS INCLUDING SALES WINDOWS & INFORMATION DESKS.
- EXISTING EXTERIOR WINDOW SECURITY BANDIT BURGLAR GUARDS TO BE REFURBISHED. ALL DAMAGED TO BE REMOVED AND REPLACED WITH SIMILAR APPROVED.

GENERAL NOTES

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS.
2. ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECK ON SITE BEFORE WORK PUT ON HANG.
3. REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER.
4. THIS DRAWING MUST NOT BE USED TO SCALE OFF. USE ONLY WRITTEN DIMENSIONS. CONTACT THE ENGINEER OR ARCHITECT WHERE CLARITY IS SOUGHT.
5. FOR SETTING OUT DATA, SETTING OUT POINTS AND DATUM LEVELS REFER TO SURVEY INFORMATION AND ARCHITECT'S DRAWINGS.
6. STRUCTURAL WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.N.S. SPECIFICATIONS. ALL CONCRETE WORKS IS TO BE DONE IN ACCORDANCE WITH S.A.N.S 12000 AND EARTHWORKS IS TO BE DONE IN ACCORDANCE WITH S.A.N.S 12001.
7. CONSULT RELEVANT ARCHITECTS, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLET, RWPODS AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.

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






MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	MR E. MGUZUMABANE	22/07/2022
CHECKED		
ENG. COORD		
ARCHITECT	M. MADIBA	22/07/2022
ELEC. ENG.		
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME		DATE
SIGNATURE		
REG. NUMBER		

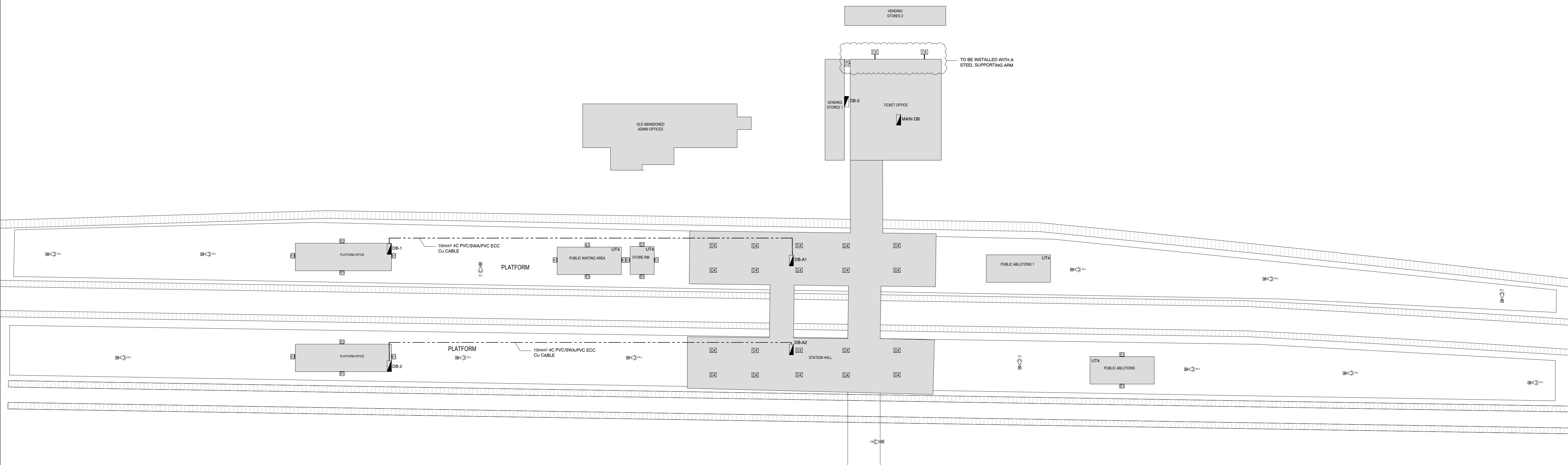
	QUALITY MANAGEMENT SYSTEM
DRAWING REGISTER	
	FILING

Project Title	UMLAZI SUB CORRIDOR 1 - STATION IMPROVEMENT PROGRAMME - MEREBANK STATION	Project Number	1040-002-10
Client	PRASA	Date	30/09/2022
Consultant	LODEMANN	Date	
Contractor		Date	

Drawing No.	Client / Vendor Drg. No	Status of Document/ Drawing	Rev No.	Paper Size	Quantity	Date Rec:	Description	Transmittal number
ELECTRICAL								
1040-002-10-3000	N/A	ISSUED FOR TENDER	1	A1	1		GROUND STOREY PLANS: PLATFORMS LIGHTING LAYOUT	
1040-002-10-3001	N/A	ISSUED FOR TENDER	1	A1	1		ABLUTIONS PLATFORM OFFICES AND PUBLIC WAITING LIGHTING LAYOUT	
1040-002-10-3002	N/A	ISSUED FOR TENDER	1	A3	1		DB-1 SINGLE LINE DIAGRAM	
1040-002-10-3003	N/A	ISSUED FOR TENDER	1	A3	1		DB-2 SINGLE LINE DIAGRAM	
1040-002-10-3004	N/A	ISSUED FOR TENDER	1	A3	1		DB-3 SINGLE LINE DIAGRAM	

Drawing Register			Rev 1	Page : 1 of 1	
	ISSUED BY :-	LUNGA MKHIZE			
	DESIGNATION:-	SENIOR DRAUGHTSMAN	DATE :-		
	RECEIVED BY :-		DATE :-		

LEGEND:	
	TYPE 1 FL 1600 - 327.00 LUMENS LED 40000K STREETLIGHT RATED IPSF WITH POWDER COATING AS PER SPECIFICATION
	TYPE 2 AS RATED IPSF 2000 - 4444 LUMENS 4000K, ROUGH-GLOSS WEATHER-PROOF LUMINAIRE, ODP BUSHES AND ACRYLIC DIFFUSER MOUNTED WITH LUMINAIRE UPEFRAIN - WALL MOUNTED
	TYPE 3 AS RATED IPSF HIGH PRESSURE DIE CAST ALUMINUM BASE AND TRIM RING 2000 - 2400 LUMENS 4000K, BULKHEAD LUMINAIRE WITH AN OPAL HIGH IMPACT ACRYLIC DIFFUSER WITH 500 HOURS LUMINAIRE SURFACE MOUNTED
	TYPE 4 AS RATED IPSF HIGH PRESSURE DIE CAST ALUMINUM BASE AND TRIM RING 2000 - 2400 LUMENS 4000K, BULKHEAD LUMINAIRE WITH AN OPAL HIGH IMPACT ACRYLIC DIFFUSER WITH 500 HOURS LUMINAIRE SURFACE MOUNTED WITH STEEL CASE
	TYPE 5 AS RATED IPSF HIGH PRESSURE DIE CAST ALUMINUM BASE AND TRIM RING 2000 - 2400 LUMENS 4000K, BULKHEAD LUMINAIRE WITH AN OPAL HIGH IMPACT ACRYLIC DIFFUSER WITH 500 HOURS LUMINAIRE SURFACE MOUNTED WITH STEEL CASE
	TYPE 6 AS RATED IPSF HIGH PRESSURE DIE CAST ALUMINUM BASE AND TRIM RING 2000 - 4270 LUMENS 4000K, BULKHEAD LUMINAIRE WITH AN OPAL HIGH IMPACT ACRYLIC DIFFUSER WITH 500 HOURS LUMINAIRE SURFACE MOUNTED WITH STEEL CASE
	TYPE 7 14WV - 20800 LUMENS LED 40000K, LOW BAYS, RATED IPSF WITH POWDER COATING AS PER SPECIFICATION
	TYPE 8 20WV - 34400 LUMENS LED 40000K, FLOODLIGHT, RATED IPSF WITH POWDER COATING AS PER SPECIFICATION
	TYPE 9 11WV - LIGHT SWITCH ON A 3000x300x30mm STEEL, DOWN BAY MOUNTED 14000m A.F.F.L
	PHOTO - ELECTRIC CELL MOUNTED 24000m A.F.F.L
DISTRIBUTION BOARD	
	INDSK



GENERAL NOTES:

1. ELECTRICAL INSTALLATION TO COMPLY WITH SANS 10142-1 AS AMENDED.
2. CONTRACTORS TO USE EXISTING CIRCUITING. CONTRACTORS TO RETAIN EXISTING CABLES AND CONDUCTORS WHERE APPLICABLE. NEW CABLE AND CONDUCTOR SHALL BE INSTALLED UPON ENGINEERS APPROVAL.
3. CONTRACTORS TO REPLACE LIGHT FITTINGS AS PER SPECIFICATION.
4. CONTRACTOR TO PROVIDE UNIVERSAL ELECTRICAL LOCK ON ALL KIOSK AND DB'S.

[illegible][illegible]

CLIENT LOGO



CLIENT

TITLE	NAME	DATE

MAIN CONSULTANT

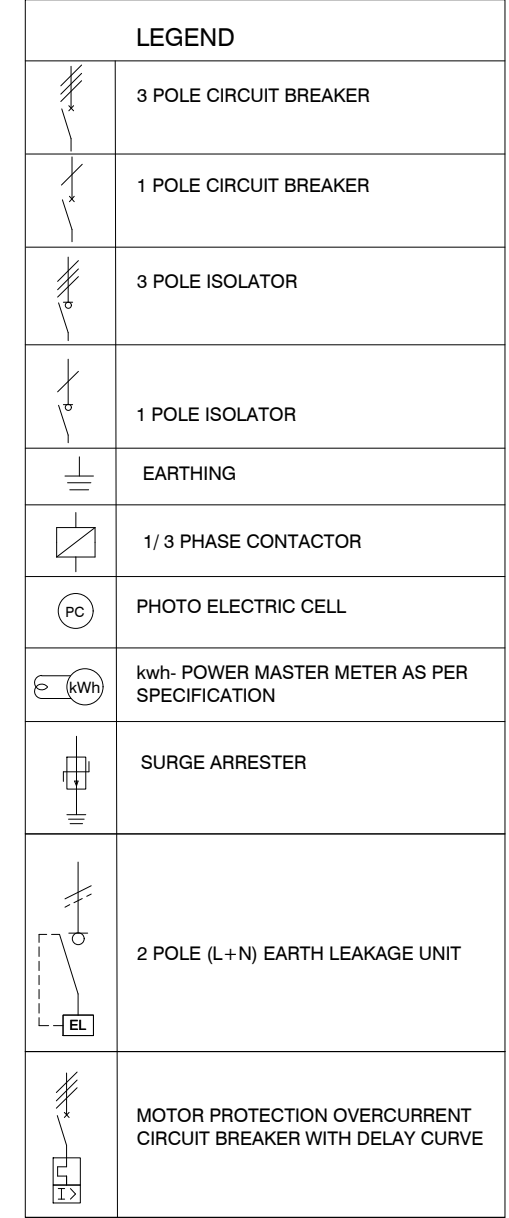
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ARCHITECT		
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STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME	M. MADIBA	DATE
SIGNATURE		
REG. NUMBER	D/2404/2017	



UMLAZI SUB CORRIDOR 1 - STATION
IMPROVEMENT PROGRAMME

MEREBANK STATION
GROUND STOREY PLANS: PLATFORMS LIGHTING LAYOUT

SCALE :	DATE	Drawing Number	CLIENT Drawing Number	Rev.	Sheet size	Status.
N.T.S	16-09-22	1040-002-10-3000		1	A1	ISSUED FOR TENDER



ADDITIONAL NOTES	BOARD INFORMATION
1. THIS DB SHALL COMPLY WITH SANS 1973/61439 AND SHALL BE DESIGNED AND MANUFACTURED BY A SPECIALIST SWITCHBOARD MANUFACTURER. 2. ALL EQUIPMENT SHALL COMPLY TO THE RELEVANT SANS STANDARDS. 3. CASCADING CIRCUIT BREAKERS MUST BE USED. 4. THE ICU OF CIRCUIT BREAKER IS THE SAME AS FOR FEEDING BUSBAR. 5. PROVIDE 20% SPARE SPACE. 6. MATERIAL SHALL BE 2.0mm WHITE 3CR12 PAINTED WHITE STEEL WITH POWDER COATED EPOXY. 7. NEUTRAL AND EARTH BAR MUST BE EQUAL TO PHASE BAR. 8. NO MIX OF BRANDS.	NAME OF DB : DB-1 LOCATION : PLATFORM 1 OFFICE MOUNTING : SURFACE MOUNTED IP CLASS : 55 CABLE ENTRY : TOP FEEDERS AND BOTTOM FEEDERS DOOR REQUIRED : YES, MAIN BREAKER TO PRO-TRUDE COLOUR DB PLATE : WHITE

- [illegible]

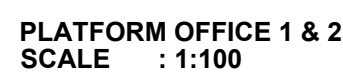
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Project Title	UMLAZI SUB CORRIDOR 1 - STATION IMPROVEMENT PROGRAMME - MEREBANK STATION	Project Number	1040-002-10
Client	PRASA	Date	30/09/2022
Consultant	LODEMANN	Date	
Contractor		Date	

[illegible]

Drawing Register	ISSUED BY :-	SOLONUZI MATHUNJWA	Rev 00	Page : 1 of 1
	DESIGNATION:-	MECHANICAL ENGINEER	DATE :-	
	RECEIVED BY :-		DATE :-	
	DESIGNATION:-			



TYPICAL HAND WASH BASIN INSTALLATION DETAIL

1. ALL WASTE WATER PIPING SHALL BE HYDRAULICALLY TESTED IN THE PRESENCE OF THE ENGINEER AND THE RESULTS RECORDED.
2. PIPING SHALL BE TESTED IN SECTIONS AS THE WORK PROGRESSES, BEFORE BEING COVERED IN TRENCHES OR FLUSHED. THE COMPLETE PIPELINE SHALL ALSO BE TESTED JUST PRIOR TO TAKEOVER OF THAT LINE BY THE CLIENT.
3. FAILURE TO COMPLY WITH THE ABOVE WILL RESULT IN THE CONTRACTOR BEING REQUIRED TO EXPOSE ALL THE PIPING IN ORDER FOR THE PRESSURE TESTS TO BE CARRIED OUT. HE WILL ALSO BE RESPONSIBLE FOR ALL COSTS INCURRED BY OTHERS ACCORDING AND MAKING GOOD THE WORKS DUE TO THE CONTRACTORS FAILURE TO COMPLY WITH THIS REQUIREMENT.

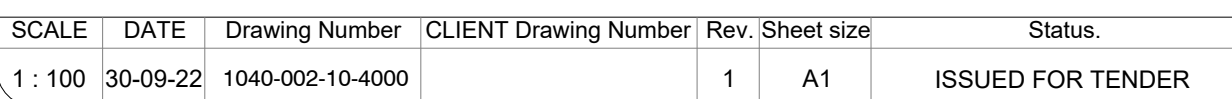
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6. STRUCTURAL WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.N.S SPECIFICATIONS.
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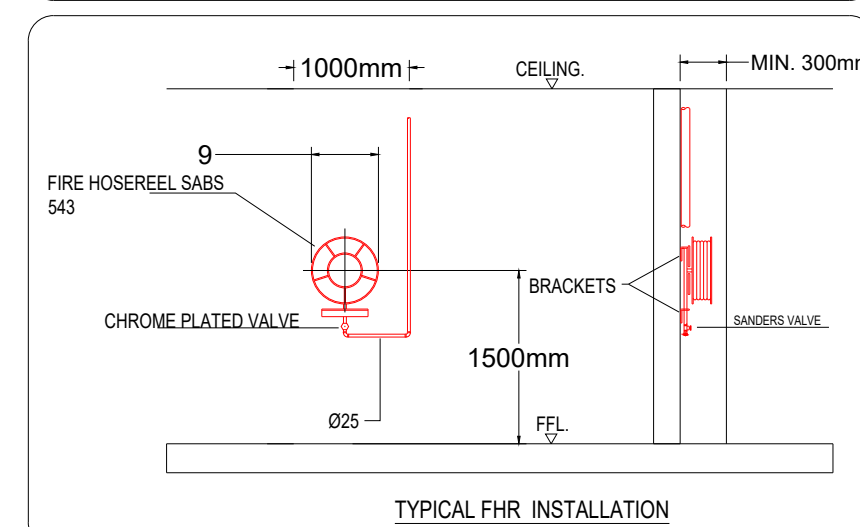
REFERENCE DRAWINGS

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CHECKED		
ENG. COORD		
ARCHITECT		
ELEC. ENG.		
MECH. ENG.	R CHABILAL	30-09-22
STRUCT. ENG.		
CIVIL ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME	M. MADIBA	DATE
SIGNATURE		
REG. NUMBER	D/2404/2017	





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[illegible][illegible][illegible]

MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	SI MATHUNJWA	30-09-22
CHECKED		
ENG. COORD		
ARCHITECT		
ELEC. ENG.		
MECH. ENG.	R CHABILAL	30-09-22
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME	M. MADIBA	DATE
SIGNATURE		
REG. NUMBER	D/2404/2017	

SCALE	DATE	Drawing Number	CLIENT Drawing Number	Rev	Sheet size	Status
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MAIN TICKET OFFICE
SCALE : NTS

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DRAWING NO. REFERENCE

REFERENCE DRAWINGS

1	ISSUED FOR TENDER	SIM	RC	MM	30-09-2022
NO.	DESCRIPTION	BY	CHKD	APPD	DATE

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CLIENT

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ENG. COORD		
ARCHITECT		
ELEC. ENG.		
MECH. ENG.	R CHABILAL	30-09-22
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME	M. MADIBA	DATE
SIGNATURE		
REG. NUMBER	D/2404/2017	




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LODEMANN

UMLAZI SUB CORRIDOR 1 - STATION
IMPROVEMENT PROGRAMME

MEREBANK STATION
MAIN TICKET OFFICE - HVAC

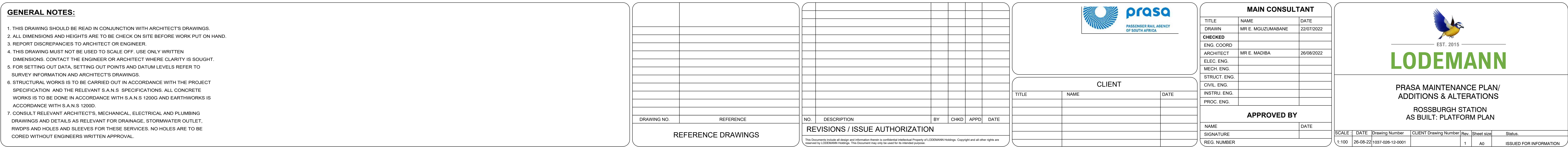
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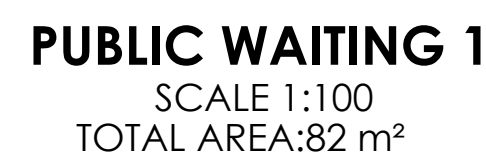
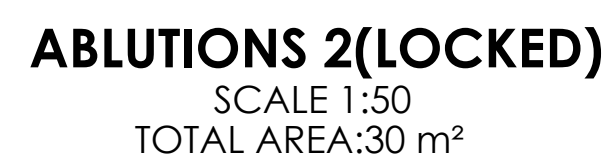
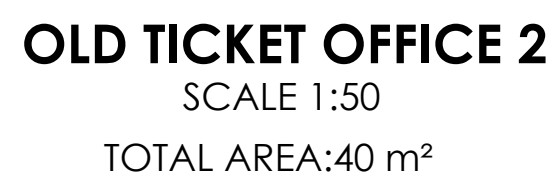
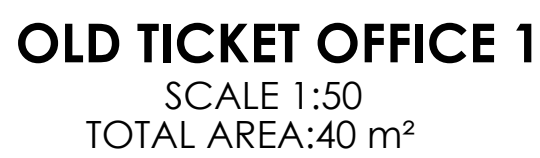
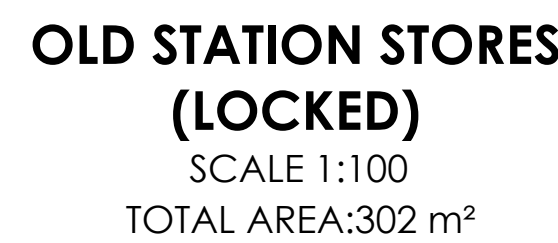
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Project Title	UMLAZI SUB CORRIDOR 1 - STATION IMPROVEMENT PROGRAMME - ROSSBURGH STATION	Project Number	1040-002-12
Client	PRASA	Date	01/10/2022
Consultant	LODEMANN	Date	01/10/2022
Contractor		Date	

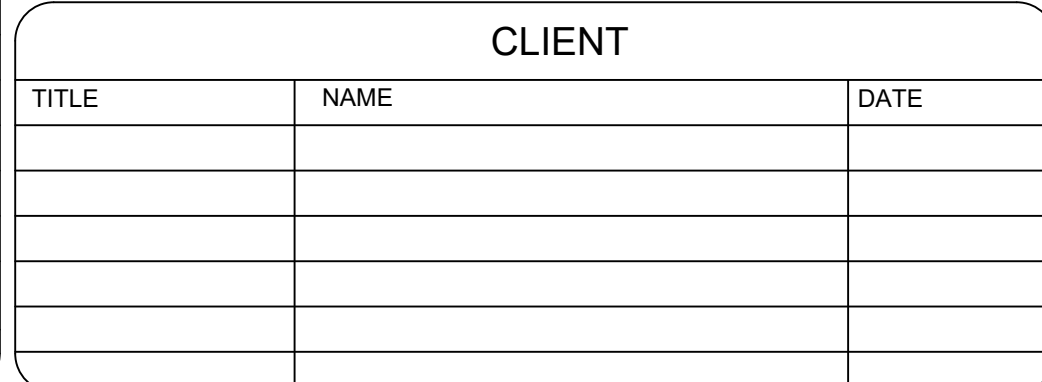
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1040-002-12-0005	N/A	ISSUED FOR TENDER	1	A0	1		REFERENCE PLAN	
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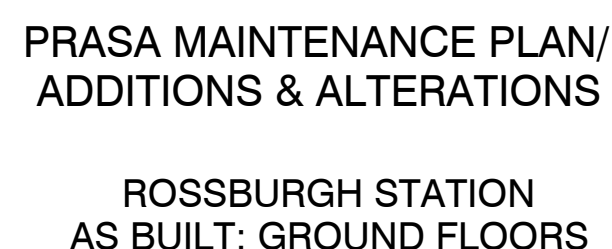




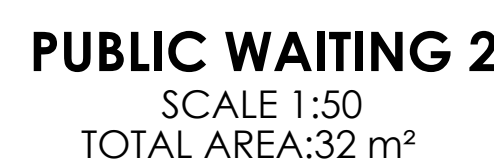
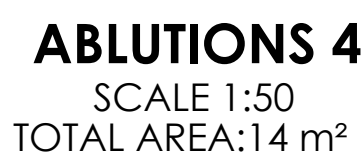
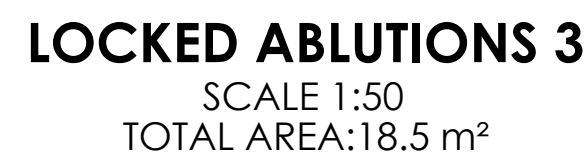
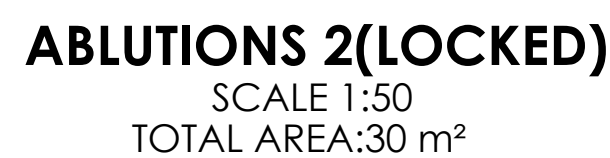
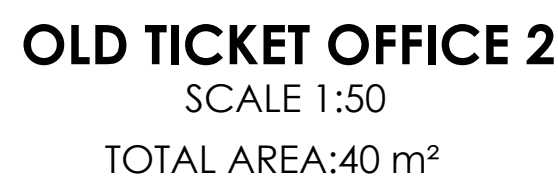
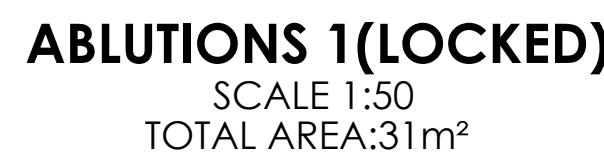
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7. CONSULT RELEVANT ARCHITECTS, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLET, RWPODS AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.

[illegible]

MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	MR E. MGUZUMABANE	22/07/2022
CHECKED		
ENG. COORD		
ARCHITECT	MR M. MADIBA	26/08/2022
ELEC. ENG.		
MECH. ENG.		
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CIVIL. ENG.		
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PRASA MAINTENANCE PLAN/
ADDITIONS & ALTERATIONS

ROSSBURGH STATION FLOOR FINISH LAYOUT

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CLIENT		
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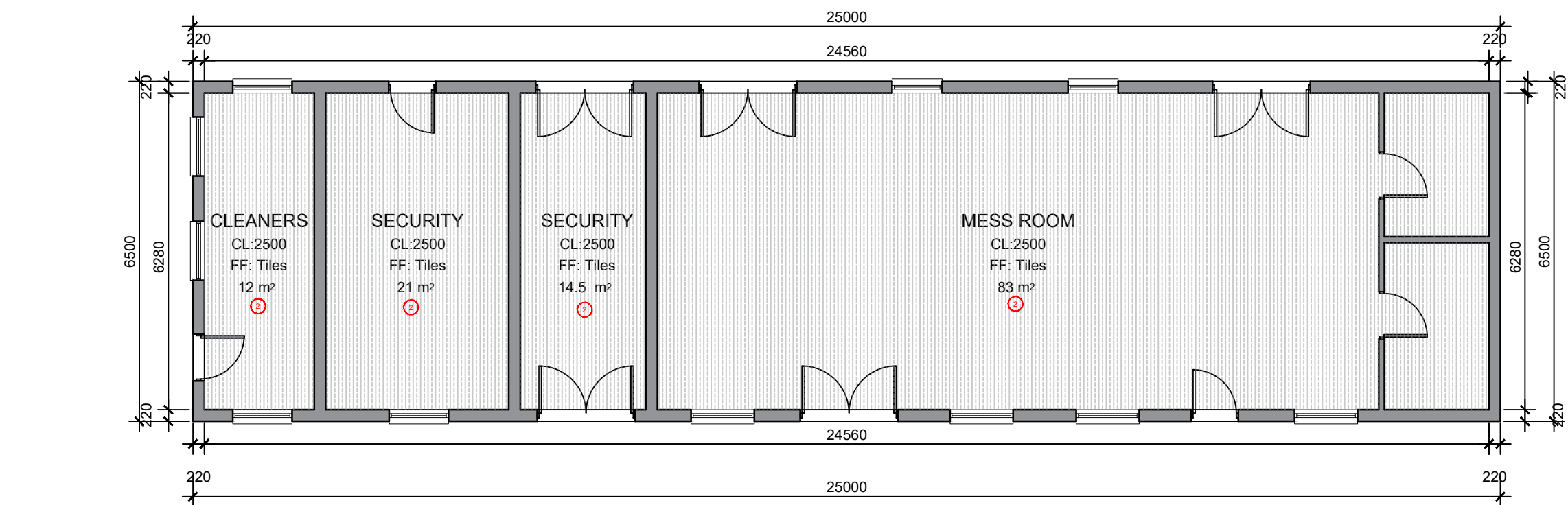
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ARCHITECT	MR M. MADIBA	26/08/2022
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MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME		DATE
SIGNATURE		
REG. NUMBER		



STATION HALL

SCALE 1:100

TOTAL AREA: 165 m²



MESS HALL

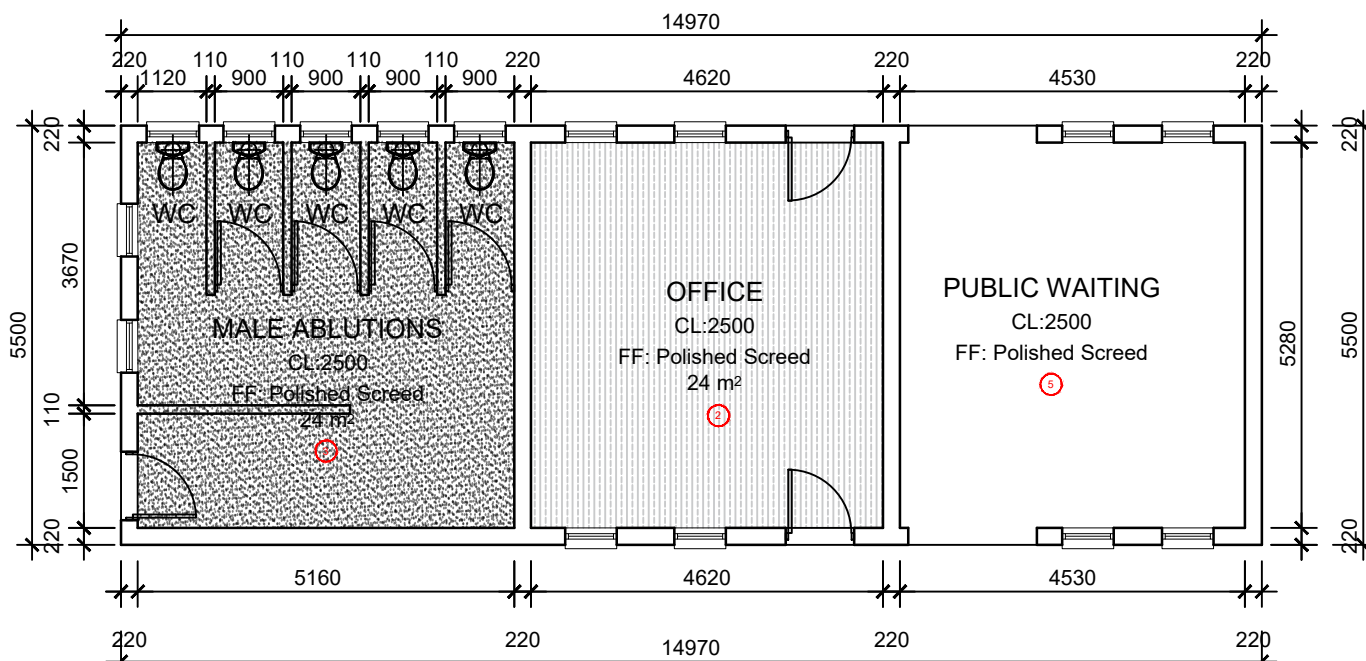
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TOTAL AREA: 165 m²

MESS HALL 2

SCALE 1:100

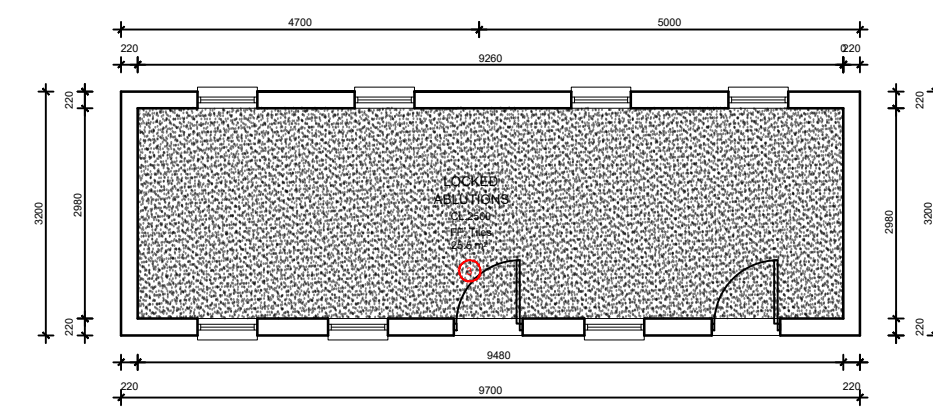
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PUBLIC WAITING 1

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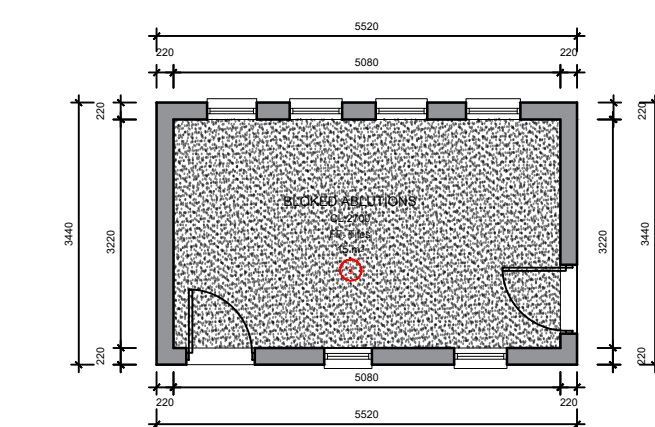
TOTAL AREA: 82m²



PUBLIC ABLUTIONS 2

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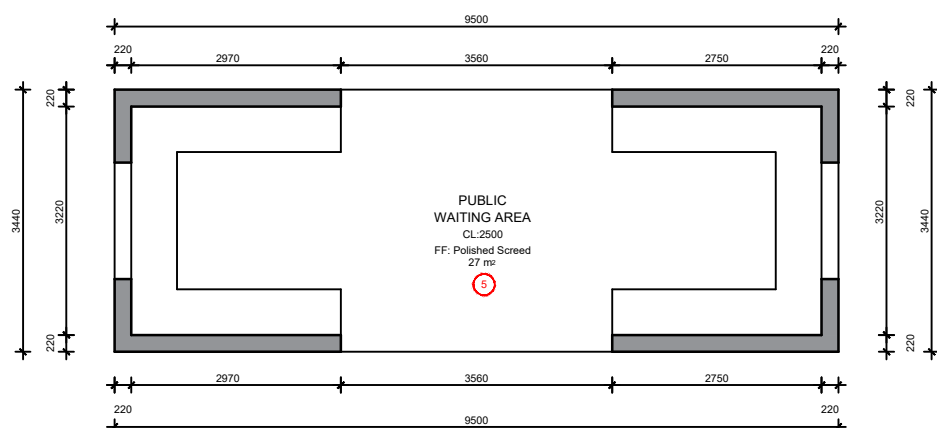
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PUBLIC ABLUTIONS 3

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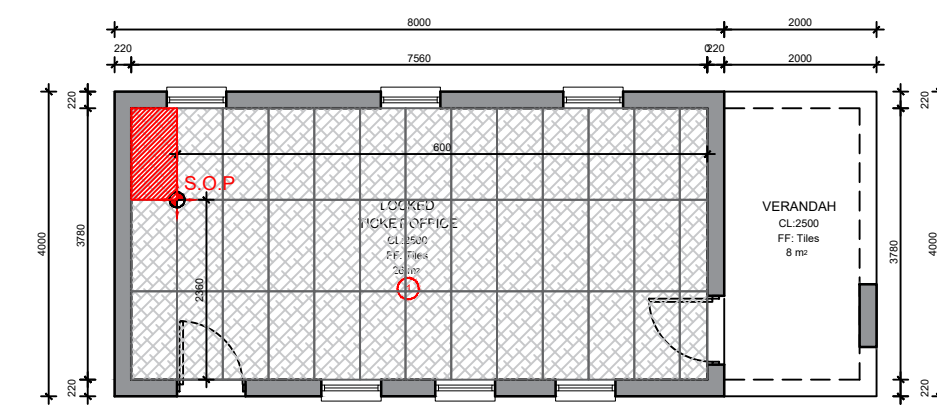
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PUBLIC WAITING 2

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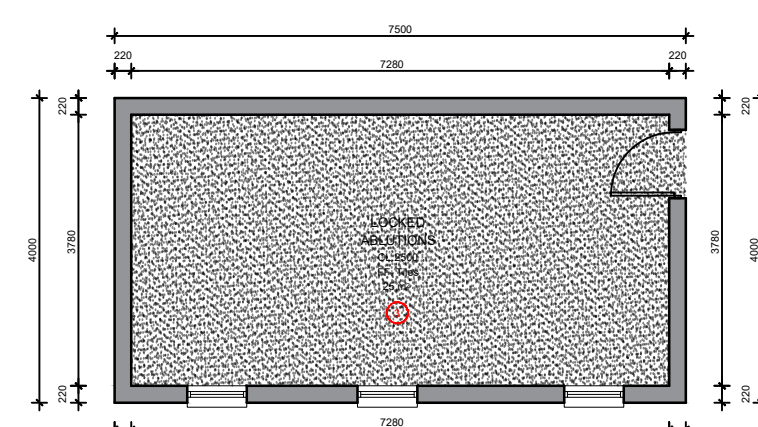
TOTAL AREA: 32m²



OLD TICKET OFFICE

SCALE 1:100

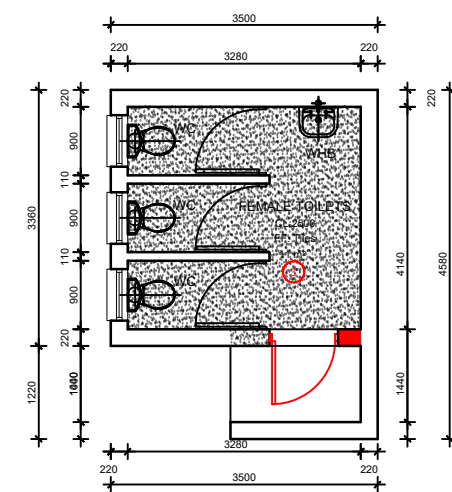
TOTAL AREA: 40m²



PUBLIC ABLUTIONS 4

SCALE 1:100



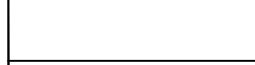
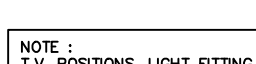
TOTAL AREA: 30m²



PUBLIC ABLUTIONS

SCALE 1:100

TOTAL AREA: 14 m²

CEILING LEGEND	
CEILING TYPE	DESCRIPTION
	12mm VINYL FACED GYPSUM CEILING PANELS, 1200 X 600mm, Laid on FIRE RATED PLUG SYSTEM. EXPOSED DEMOUNTABLE SUSPENSION SYSTEM INCLUDING GALVANISED MAN TEES, CROSS TEES, ETC. ALL SUSPENDED WITH GALVANISED HANGERS AT CENTRES NOT EXCEEDING 1200mm WITH GELING PERIMETER FINISHED WITH SHADOWLINE W/ TRIM PLUGGED AT 200mm CENTRES, AND ALL INSTALLED TO MANUFACTURERS INSTRUCTIONS.
	12mm VINYL FACED GYPSUM CEILING PANELS, 1200 X 600mm, Laid on FIRE RATED PLUG SYSTEM. EXPOSED DEMOUNTABLE SUSPENSION SYSTEM INCLUDING GALVANISED MAN TEES, CROSS TEES, ETC. ALL SUSPENDED WITH GALVANISED HANGERS AT CENTRES NOT EXCEEDING 1200mm WITH GELING PERIMETER FINISHED WITH SHADOWLINE W/ TRIM PLUGGED AT 200mm CENTRES, AND ALL INSTALLED TO MANUFACTURERS INSTRUCTIONS.
	12mm VINYL FACED GYPSUM CEILING PANELS, 1200 X 600mm, Laid on FIRE RATED PLUG SYSTEM. EXPOSED DEMOUNTABLE SUSPENSION SYSTEM INCLUDING GALVANISED MAN TEES, CROSS TEES, ETC. ALL SUSPENDED WITH GALVANISED HANGERS AT CENTRES NOT EXCEEDING 1200mm WITH GELING PERIMETER FINISHED WITH SHADOWLINE W/ TRIM PLUGGED AT 200mm CENTRES, AND ALL INSTALLED TO MANUFACTURERS INSTRUCTIONS.
	12mm VINYL FACED GYPSUM CEILING PANELS, 1200 X 600mm, Laid on FIRE RATED PLUG SYSTEM. EXPOSED DEMOUNTABLE SUSPENSION SYSTEM INCLUDING GALVANISED MAN TEES, CROSS TEES, ETC. ALL SUSPENDED WITH GALVANISED HANGERS AT CENTRES NOT EXCEEDING 1200mm WITH GELING PERIMETER FINISHED WITH SHADOWLINE W/ TRIM PLUGGED AT 200mm CENTRES, AND ALL INSTALLED TO MANUFACTURERS INSTRUCTIONS.

NOTE:
TV, POSITIONING, LIGHT FITTING, POSITIONING, ACTION AND
DISMOUNTING, DIMENSIONS, ARE CONTAINED IN THE
POSITIONING, ACTION, POSITIONING, ACTION, POSITIONING, ACTION
POSITIONING ARE ALL, TO BE CONFIRMED BY THE
RELEVANT CONSULTANTS.
ALL ELECTRICAL AND MECHANICAL SERVICES BY OTHERS.

GENERAL NOTES:


- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS.
- ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECK ON SITE BEFORE WORK PUT ON HAND.
- REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER.
- THIS DRAWING MUST NOT BE USED TO SCALE. OFF. USE ONLY WRITTEN DIMENSIONS. CONTACT THE ENGINEER OR ARCHITECT WHERE CLARITY IS SOUGHT.
- FOR SETTING OUT DATA, SETTING OUT POINTS AND DATUM LEVELS REFER TO SURVEY INFORMATION AND ARCHITECT'S DRAWINGS.
- STRUCTURAL WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.N.S. SPECIFICATIONS. ALL CONCRETE WORKS IS TO BE DONE IN ACCORDANCE WITH S.A.N.S. 1200S AND EARTHWORKS IS ACCORDANCE WITH S.A.N.S. 1200D.
- CONSULT RELEVANT ARCHITECT'S, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLET, RYPODS AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.


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CLIENT		
TITLE	NAME	DATE

MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	MR E. MGLUZUMABANE	22/07/2022
CHECKED		
ENG. COORD		
ARCHITECT	MR M. MADIBA	26/08/2022
ELEC. ENG.		
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME		DATE
SIGNATURE		
REG. NUMBER		

	
PRASA MAINTENANCE PLAN/ ADDITIONS & ALTERATIONS	
ROSSBURGH STATION CEILING LAYOUT	
SCALE: 1:100	DATE: 05-09-22
Drawing Number: 1040-002-12-0004	CLIENT Drawing Number: Rev. Sheet size
1	A0
ISSUED FOR INFORMATION	

<div></div>						
<div>PRASA MAINTENANCE PLAN/ ADDITIONS & ALTERATIONS</div> <div>ROSSBURGH STATION REFERENCE PLAN</div>						
SCALE:	DATE:	Drawing Number	CLIENT Drawing Number	Rev.	Sheet size	Status
1:100	05-09-22	1040-002-12-0005		1	A0	ISSUED FOR INFORMATION

WINDOW SCHEDULE

<p>TP-01</p> <p>ISSUE FOR INFORMATION</p> <p>WINDOW NOTES</p> <ul style="list-style-type: none"> ALL WINDOW SIZES ARE DESIGN, SUPPLY AND FIXED. REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND. BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS. ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR. ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY. <p>SHOP DRAWINGS TO BE SUBMITTED TO ARCHITECTS FOR APPROVAL PRIOR TO MANUFACTURER.</p> <p>LOCATION: TICKET VERIFICATION OFFICE</p> <p>QUANTITY: 12</p> <p>FINISH: POWDER COATED CHARCOAL ALUMINIUM WINDOW.</p> <p>GLAZING: 6mm FROSTED SAFETY GLAZING THROUGHOUT. ALL GLAZING TO COMPLY WITH PART N OF SANS 10400</p> <p>IRON MONGERY: IRONMONGERY SCHEDULE BY SPECIALIST. IN ACCORDANCE TO PRASA BLUE PRINT.</p> <p>FURNITURE: FURNITURE BY SPECIALIST. IN ACCORDANCE TO PRASA BLUE PRINT.</p> <p>LOCKSETS AND HINGES: ALL OPENING SECTIONS TO BE FITTED WITH APPROVED LOCKING MECHANISM. WITH PROJECTION</p> <p>WINDOW DESCRIPTION: LEVEL GO BULLET RESISTANT GLAZED & NATURAL ANODISED ALUMINIUM TRANSACTION WINDOW WITH 3MM DEEP FRAMLESS STEEL, 600x1100mm SPECIFIC TRANSFER POSTS INTERIOR APPLICATIONS ONLY. OVERALL SIZE TO DETAILS. GLAZED IN 38MM THICK CLEAR GLASS WITH 20MM POST FORMED GRANITE COUNTER TOP.</p>	<p>TP-02</p> <p>ISSUE FOR INFORMATION</p> <p>WINDOW NOTES</p> <ul style="list-style-type: none"> ALL WINDOW SIZES ARE DESIGN, SUPPLY AND FIXED. REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND. BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS. ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR. ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY. <p>SHOP DRAWINGS TO BE SUBMITTED TO ARCHITECTS FOR APPROVAL PRIOR TO MANUFACTURER.</p> <p>LOCATION: GATEWAY</p> <p>QUANTITY: 2</p> <p>FINISH: POWDER COATED CHARCOAL ALUMINIUM WINDOW. IN ACCORDANCE TO PRASA SPEC.</p> <p>GLAZING: 6mm FROSTED SAFETY GLAZING THROUGHOUT. ALL GLAZING TO COMPLY WITH PART N OF SANS 10400</p> <p>IRON MONGERY: IRONMONGERY SCHEDULE BY SPECIALIST. IN ACCORDANCE TO PRASA BLUE PRINT.</p> <p>FURNITURE: FURNITURE BY SPECIALIST. IN ACCORDANCE TO PRASA BLUE PRINT.</p> <p>LOCKSETS AND HINGES: ALL OPENING SECTIONS TO BE FITTED WITH APPROVED LOCKING MECHANISM. WITH PROJECTION</p> <p>WINDOW DESCRIPTION: POWDER COATED CHARCOAL ALUMINIUM WINDOW CONSISTING OF 3 TOP HUNG OPENING OUT CASEMENTS TO BE SUPPLIED WITH ALL BUILDING-IN LUGS. PERIMETER OF WINDOW TO BE SEALED WITH SILICONE.</p>	<p>TP-03</p> <p>ISSUE FOR INFORMATION</p> <p>WINDOW NOTES</p> <ul style="list-style-type: none"> ALL WINDOW SIZES ARE DESIGN, SUPPLY AND FIXED. REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND. BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS. ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR. ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY. <p>SHOP DRAWINGS TO BE SUBMITTED TO ARCHITECTS FOR APPROVAL PRIOR TO MANUFACTURER.</p> <p>LOCATION: SERVER</p> <p>QUANTITY: 2</p> <p>FINISH: POWDER COATED CHARCOAL ALUMINIUM WINDOW. IN ACCORDANCE TO PRASA SPEC.</p> <p>GLAZING: 6mm FROSTED SAFETY GLAZING THROUGHOUT. ALL GLAZING TO COMPLY WITH PART N OF SANS 10400</p> <p>IRON MONGERY: IRONMONGERY SCHEDULE BY SPECIALIST. IN ACCORDANCE TO PRASA BLUE PRINT.</p> <p>FURNITURE: FURNITURE BY SPECIALIST. IN ACCORDANCE TO PRASA BLUE PRINT.</p> <p>LOCKSETS AND HINGES: ALL OPENING SECTIONS TO BE FITTED WITH APPROVED LOCKING MECHANISM. WITH PROJECTION</p> <p>WINDOW DESCRIPTION: POWDER COATED CHARCOAL ALUMINIUM WINDOW CONSISTING OF 2 TOP HUNG OPENING OUT CASEMENTS TO BE SUPPLIED WITH ALL BUILDING-IN LUGS. PERIMETER OF WINDOW TO BE SEALED WITH SILICONE.</p>	<p>TP-04</p> <p>ISSUE FOR INFORMATION</p> <p>WINDOW NOTES</p> <ul style="list-style-type: none"> ALL WINDOW SIZES ARE DESIGN, SUPPLY AND FIXED. REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND. BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS. ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR. ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY. <p>SHOP DRAWINGS TO BE SUBMITTED TO ARCHITECTS FOR APPROVAL PRIOR TO MANUFACTURER.</p> <p>LOCATION: STATION HALL</p> <p>QUANTITY: 16</p> <p>FINISH: POWDER COATED CHARCOAL ALUMINIUM WINDOW. IN ACCORDANCE TO PRASA SPEC.</p> <p>GLAZING: 6mm FROSTED SAFETY GLAZING THROUGHOUT. ALL GLAZING TO COMPLY WITH PART N OF SANS 10400</p> <p>IRON MONGERY: IRONMONGERY SCHEDULE BY SPECIALIST. IN ACCORDANCE TO PRASA BLUE PRINT.</p> <p>FURNITURE: FURNITURE BY SPECIALIST. IN ACCORDANCE TO PRASA BLUE PRINT.</p> <p>LOCKSETS AND HINGES: ALL OPENING SECTIONS TO BE FITTED WITH APPROVED LOCKING MECHANISM. WITH PROJECTION</p> <p>WINDOW DESCRIPTION: POWDER COATED CHARCOAL ALUMINIUM WINDOW CONSISTING OF 4 TOP HUNG OPENING OUT CASEMENTS & 4 FIXED GLASS. TO BE SUPPLIED WITH ALL BUILDING-IN LUGS. PERIMETER OF WINDOW TO BE SEALED WITH SILICONE.</p>	<p>TP-05</p> <p>ISSUE FOR INFORMATION</p> <p>WINDOW NOTES</p> <ul style="list-style-type: none"> ALL WINDOW SIZES ARE DESIGN, SUPPLY AND FIXED. REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND. BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS. ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR. ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY. <p>SHOP DRAWINGS TO BE SUBMITTED TO ARCHITECTS FOR APPROVAL PRIOR TO MANUFACTURER.</p> <p>LOCATION: STATION HALL STAIRS</p> <p>QUANTITY: 16</p> <p>FINISH: POWDER COATED CHARCOAL ALUMINIUM WINDOW. IN ACCORDANCE TO PRASA SPEC.</p> <p>GLAZING: 6mm FROSTED SAFETY GLAZING THROUGHOUT. ALL GLAZING TO COMPLY WITH PART N OF SANS 10400</p> <p>IRON MONGERY: IRONMONGERY SCHEDULE BY SPECIALIST. IN ACCORDANCE TO PRASA BLUE PRINT.</p> <p>FURNITURE: FURNITURE BY SPECIALIST. IN ACCORDANCE TO PRASA BLUE PRINT.</p> <p>LOCKSETS AND HINGES: ALL OPENING SECTIONS TO BE FITTED WITH APPROVED LOCKING MECHANISM. WITH PROJECTION</p> <p>WINDOW DESCRIPTION: POWDER COATED CHARCOAL ALUMINIUM WINDOW CONSISTING OF 2 TOP HUNG OPENING OUT CASEMENTS & 2 FIXED GLASS. TO BE SUPPLIED WITH ALL BUILDING-IN LUGS. PERIMETER OF WINDOW TO BE SEALED WITH SILICONE.</p>
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WINDOW SCHEDULE

<p>TP-06</p> <p>ISSUE FOR INFORMATION</p> <p>WINDOW NOTES</p> <ul style="list-style-type: none"> ALL WINDOW SIZES ARE DESIGN, SUPPLY AND FIXED. REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND. BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS. ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR. ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY. <p>SHOP DRAWINGS TO BE SUBMITTED TO ARCHITECTS FOR APPROVAL PRIOR TO MANUFACTURER.</p> <p>LOCATION: ABLUTIONS</p> <p>QUANTITY: 33</p> <p>FINISH: POWDER COATED CHARCOAL ALUMINIUM WINDOW. IN ACCORDANCE TO PRASA SPEC.</p> <p>GLAZING: 6mm FROSTED SAFETY GLAZING THROUGHOUT. ALL GLAZING TO COMPLY WITH PART N OF SANS 10400</p> <p>IRON MONGERY: IRONMONGERY SCHEDULE BY SPECIALIST. IN ACCORDANCE TO PRASA BLUE PRINT.</p> <p>FURNITURE: FURNITURE BY SPECIALIST. IN ACCORDANCE TO PRASA BLUE PRINT.</p> <p>LOCKSETS AND HINGES: ALL OPENING SECTIONS TO BE FITTED WITH APPROVED LOCKING MECHANISM. WITH PROJECTION</p> <p>WINDOW DESCRIPTION: POWDER COATED CHARCOAL ALUMINIUM WINDOW CONSISTING OF 1 TOP HUNG OPENING OUT CASEMENT & 1 FIXED GLASS. TO BE SUPPLIED WITH ALL BUILDING-IN LUGS. PERIMETER OF WINDOW TO BE SEALED WITH SILICONE.</p>	<p>TP-07</p> <p>ISSUE FOR INFORMATION</p> <p>WINDOW NOTES</p> <ul style="list-style-type: none"> ALL WINDOW SIZES ARE DESIGN, SUPPLY AND FIXED. REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND. BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS. ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR. ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY. <p>SHOP DRAWINGS TO BE SUBMITTED TO ARCHITECTS FOR APPROVAL PRIOR TO MANUFACTURER.</p> <p>LOCATION: MESS HALL</p> <p>QUANTITY: 6</p> <p>FINISH: POWDER COATED CHARCOAL ALUMINIUM WINDOW. IN ACCORDANCE TO PRASA SPEC.</p> <p>GLAZING: 6mm FROSTED SAFETY GLAZING THROUGHOUT. ALL GLAZING TO COMPLY WITH PART N OF SANS 10400</p> <p>IRON MONGERY: IRONMONGERY SCHEDULE BY SPECIALIST. IN ACCORDANCE TO PRASA BLUE PRINT.</p> <p>FURNITURE: FURNITURE BY SPECIALIST. IN ACCORDANCE TO PRASA BLUE PRINT.</p> <p>LOCKSETS AND HINGES: ALL OPENING SECTIONS TO BE FITTED WITH APPROVED LOCKING MECHANISM. WITH PROJECTION</p> <p>WINDOW DESCRIPTION: POWDER COATED CHARCOAL ALUMINIUM WINDOW CONSISTING OF 1 TOP HUNG OPENING OUT CASEMENT & 1 FIXED GLASS. TO BE SUPPLIED WITH ALL BUILDING-IN LUGS. PERIMETER OF WINDOW TO BE SEALED WITH SILICONE.</p>	<p>TP-08</p> <p>ISSUE FOR INFORMATION</p> <p>WINDOW NOTES</p> <ul style="list-style-type: none"> ALL WINDOW SIZES ARE DESIGN, SUPPLY AND FIXED. REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND. BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS. ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR. ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY. <p>SHOP DRAWINGS TO BE SUBMITTED TO ARCHITECTS FOR APPROVAL PRIOR TO MANUFACTURER.</p> <p>LOCATION: STATION HALL STAIRS</p> <p>QUANTITY: 22</p> <p>FINISH: POWDER COATED CHARCOAL ALUMINIUM WINDOW. IN ACCORDANCE TO PRASA SPEC.</p> <p>GLAZING: 6mm FROSTED SAFETY GLAZING THROUGHOUT. ALL GLAZING TO COMPLY WITH PART N OF SANS 10400</p> <p>IRON MONGERY: IRONMONGERY SCHEDULE BY SPECIALIST. IN ACCORDANCE TO PRASA BLUE PRINT.</p> <p>FURNITURE: FURNITURE BY SPECIALIST. IN ACCORDANCE TO PRASA BLUE PRINT.</p> <p>LOCKSETS AND HINGES: ALL OPENING SECTIONS TO BE FITTED WITH APPROVED LOCKING MECHANISM. WITH PROJECTION</p> <p>WINDOW DESCRIPTION: POWDER COATED CHARCOAL ALUMINIUM WINDOW CONSISTING OF 2 TOP HUNG OPENING OUT CASEMENTS & 1 FIXED GLASS. TO BE SUPPLIED WITH ALL BUILDING-IN LUGS. PERIMETER OF WINDOW TO BE SEALED WITH SILICONE.</p>	<p>TP-09</p> <p>ISSUE FOR INFORMATION</p> <p>WINDOW NOTES</p> <ul style="list-style-type: none"> ALL WINDOW SIZES ARE DESIGN, SUPPLY AND FIXED. REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND. BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS. ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR. 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WINDOW NOTE:

- ALL EXISTING DAMAGED STEEL AND TIMBER WINDOWS AND FRAMES TO BE REMOVED AND REPLACED WITH NEW ALUMINUM FRAMES, TO MATCH EXISTING ALUMINUM FRAMES. COATED WITH MATT DARK UMBER GREY ANP 3057.
- ALL EXISTING WINDOW STEEL FRAMES BEING RETAINED TO BE SANDED DOWN, TREATED AND PAINTED WITH PLASCON PROFESSIONAL GLOSS ENAMEL (PBS 1000) OR DULUX TRADE GLOSS ENAMEL PAINT, IN ACCORDANCE TO PRASA BLUE PRINT.
- ALL NEW ALUMINUM WINDOW FRAMES TO BE NATURAL ANODIZED ALUMINUM, IN ACCORDANCE TO PRASA BLUE PRINT.
- ALL EXISTING TIMBER WINDOW FRAMES TO BE SANDED DOWN & VARNISHED OR REPAINTED WITH TWO COATS OF QUALITY VARNISH AS PER HERITAGE REQUIREMENTS.
- ROLLER BLIND INSTALLED INTO THE TICKET SALES WINDOW, LOWERED DOWN INDICATES TICKET COUNTER NOT IN USE CURRENTLY.
- BULLET RESISTANT PAY / TRANSACTION WINDOWS INCLUDING SALES WINDOWS & INFORMATION DESKS.
- EXISTING EXTERIOR WINDOW SECURITY BANDIT BURGLAR GUARDS TO BE REFURBISHED. ALL DAMAGED TO BE REMOVED AND REPLACED WITH SIMILAR APPROVED.

GENERAL NOTES:

- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS.
- ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECK ON SITE BEFORE WORK PUT ON HAND.
- REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER.
- THIS DRAWING MUST NOT BE USED TO SCALE. OFF. USE ONLY WRITTEN DIMENSIONS. CONTACT THE ENGINEER OR ARCHITECT WHERE CLARITY IS SOUGHT.
- FOR SETTING OUT DATA, SETTING OUT POINTS AND DATUM LEVELS REFER TO SURVEY INFORMATION AND ARCHITECT'S DRAWINGS.
- STRUCTURAL WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.N.S SPECIFICATIONS. ALL CONCRETE WORKS IS TO BE DONE IN ACCORDANCE WITH S.A.N.S 12005 AND EARTHWORKS IS ACCORDANCE WITH S.A.N.S 12000.
- CONSULT RELEVANT ARCHITECTS, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLET, RYPODS AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.

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<p>prasa PASSENGER RAIL AGENCY OF SOUTH AFRICA</p>	
CLIENT	
TITLE	NAME
	DATE
SIGNATURE	
REG. NUMBER	

MAIN CONSULTANT	
TITLE	NAME
DRAWN	MR E. MGLUZUMABANE
CHECKED	22/07/2022
ENG. COORD	
ARCHITECT	MR M. MADIBA
ELEC. ENG.	26/08/2022
MECH. ENG.	
STRUCT. ENG.	
CIVIL. ENG.	
INSTRU. ENG.	
PROC. ENG.	
APPROVED BY	
NAME	DATE
SIGNATURE	
REG. NUMBER	

<p>LODEMANN EST. 2015</p>	
PRASA MAINTENANCE PLAN/ ADDITIONS & ALTERATIONS	
ROSSBURGH STATION WINDOW SCHEDULE	
SCALE	DATE
1:20	05-09-22
Drawing Number	1040-002-12-0006
Client Drawing Number	Rev.
Sheet size	A0
Status	ISSUED FOR INFORMATION

DOOR SCHEDULE

<div> <div>TP-01</div> <div> <div>ISSUE FOR INFORMATION</div> <div> <div>BY ELECTRICAL CONSULTANT CONNECTED TO:</div> <div> <div>ADDRESS CONTROL</div> <div>FIRE DETECTION SYSTEM</div> </div> </div> </div> <div> </div> </div>	<div> <div>TP-02</div> <div> <div>ISSUE FOR INFORMATION</div> <div> <div>DOOR NOTES</div> <div> <div>ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.</div> <div>REFER ALL DISCREPANCIES TO ARCHITECT BEFORE ANY WORK BEING PUT IN HAND.</div> <div>BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS.</div> <div>ARCHITECT APPROVES DRAWINGS ON ALTERNATIVE AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.</div> <div>ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY.</div> <div>ALL DOORS MUST BE INSTALLED SQUARE, TRUE, AND PLUMB.</div> <div>ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.</div> </div> </div> </div> <div> </div> </div>	<div> <div>TP-03</div> <div> <div>ISSUE FOR INFORMATION</div> <div> <div>DOOR NOTES</div> <div> <div>ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.</div> <div>REFER ALL DISCREPANCIES TO ARCHITECT BEFORE ANY WORK BEING PUT IN HAND.</div> <div>BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS.</div> <div>ARCHITECT APPROVES DRAWINGS ON ALTERNATIVE AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.</div> <div>ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY.</div> <div>ALL DOORS MUST BE INSTALLED SQUARE, TRUE, AND PLUMB.</div> <div>ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.</div> </div> </div> </div> <div> </div> </div>	<div> <div>TP-04</div> <div> <div>ISSUE FOR INFORMATION</div> <div> <div>DOOR NOTES</div> <div> <div>ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.</div> <div>REFER ALL DISCREPANCIES TO ARCHITECT BEFORE ANY WORK BEING PUT IN HAND.</div> <div>BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS.</div> <div>ARCHITECT APPROVES DRAWINGS ON ALTERNATIVE AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.</div> <div>ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY.</div> <div>ALL DOORS MUST BE INSTALLED SQUARE, TRUE, AND PLUMB.</div> <div>ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.</div> </div> </div> </div> <div> </div> </div>	<div> <div>TP-05</div> <div> <div>ISSUE FOR INFORMATION</div> <div> <div>DOOR NOTES</div> <div> <div>ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.</div> <div>REFER ALL DISCREPANCIES TO ARCHITECT BEFORE ANY WORK BEING PUT IN HAND.</div> <div>BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS.</div> <div>ARCHITECT APPROVES DRAWINGS ON ALTERNATIVE AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.</div> <div>ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY.</div> <div>ALL DOORS MUST BE INSTALLED SQUARE, TRUE, AND PLUMB.</div> <div>ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.</div> </div> </div> </div> <div> </div> </div>
<div> <div>LOCATION</div> <div>STATION HALL ADMIN</div> <div>QUANTITY</div> <div>3</div> <div>TYPE</div> <div>DOOR: 900x2100x4mm ALUMINUM FRAMED SOLID DOOR</div> <div>FINISH</div> <div>PRIMED & PAINTED WITH 2 COATS OF PLASCON VULVAGU APPLIED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATION. COLOUR: T18.C</div> <div>GLAZING</div> <div>300x200mm GLASS VIEWING PANELS WITH ALUMINUM FRAMES AND RUBBER GASKETS.</div> <div>IRON MONGERY</div> <div>IRONMONGERY SCHEDULE BY SPECIALIST. 2 x 16mm FLOORS: FLOOR MOUNTED DOOR HOLD OPEN CATCH, CODE: B287. SIZE: 125x25mm N.A. ALUMINUM PULL HANDLE (CENTRE MOUNTED ON 300x150x3mm N.A. BACK PLATE). 15 PAIRS HOWICK HOOR 150x70mm BRASS BUTT HINGES WITH DOUBBLE NYLON WASHERS FOR LEAF.</div> <div>DOOR & FRAME DESCRIPTION</div> <div>HEAVY DUTY 4X16mm T18mm THICK, WITH GMS (CONSLA) 0.8mm PL AND PRESSED METAL FRAME TO SUITE DOOR & WALL, PRIMED & PAINTED WITH 2 COATS.</div> </div>	<div> <div>LOCATION</div> <div>REFER TO REFERENCE PLAN</div> <div>QUANTITY</div> <div>30</div> <div>TYPE</div> <div>DOOR: 900mm WIDE 2100mm HIGH STEEL FRAMED DOOR</div> <div>FINISH</div> <div>WOOD TO BE SEALED WITH UNISEED OIL OR OTHER RECOMMENDED SEALANTS BY MANUFACTURE AND TO BE PAINTED TO ARCHITECT SPEC. APPROVED BY CLIENT.</div> <div>GLAZING</div> <div>NONE</div> <div>IRON MONGERY</div> <div>IRONMONGERY SCHEDULE BY SPECIALIST. ACCORDING TO FRAMA BLUE PRINT</div> <div>DOOR & FRAME DESCRIPTION</div> <div>200mm x 2200mm SOLID 47mm THICK DOOR SIDES AND CONCEALED EDGES TO SUIT OPENING. DOOR TO BE FITTED WITH 3 X HINGES PER LEAF. ALL TO SPECIALIST DETAILS. COLOUR OF THE DOOR AND FRAME TO ARCHITECT'S SPECIALIST.</div> </div>	<div> <div>LOCATION</div> <div>OFFICE ABILUTIONS</div> <div>QUANTITY</div> <div>3</div> <div>TYPE</div> <div>DOOR: 900mm WIDE x 2100mm HIGH ALUMINUM FRAME</div> <div>FINISH</div> <div>WOOD TO BE SEALED WITH UNISEED OIL OR OTHER RECOMMENDED SEALANTS BY MANUFACTURE AND TO BE PAINTED TO ARCHITECT SPEC. APPROVED BY CLIENT.</div> <div>GLAZING</div> <div>N/A</div> <div>IRON MONGERY</div> <div>IRONMONGERY SCHEDULE BY SPECIALIST. ACCORDING TO FRAMA BLUE PRINT</div> <div>DOOR & FRAME DESCRIPTION</div> <div>200mm x 2200mm SOLID 47mm THICK DOOR SIDES AND CONCEALED EDGES TO SUIT OPENING. DOOR TO BE FITTED WITH 3 X HINGES PER LEAF. ALL TO SPECIALIST DETAILS. COLOUR OF THE DOOR AND FRAME TO ARCHITECT'S SPECIALIST.</div> </div>	<div> <div>LOCATION</div> <div>MALE AND FEMALE CUBICLES</div> <div>QUANTITY</div> <div>30</div> <div>TYPE</div> <div>DOOR: 900mm WIDE x 2100mm HIGH ALUMINUM FRAME</div> <div>FINISH</div> <div>WOOD TO BE SEALED WITH UNISEED OIL OR OTHER RECOMMENDED SEALANTS BY MANUFACTURE AND TO BE PAINTED TO ARCHITECT SPEC. APPROVED BY CLIENT.</div> <div>GLAZING</div> <div>N/A</div> <div>IRON MONGERY</div> <div>IRONMONGERY SCHEDULE BY SPECIALIST. ACCORDING TO FRAMA BLUE PRINT</div> <div>DOOR & FRAME DESCRIPTION</div> <div>200mm x 2200mm SOLID 47mm THICK DOOR SIDES AND CONCEALED EDGES TO SUIT OPENING. DOOR TO BE FITTED WITH 3 X HINGES PER LEAF. ALL TO SPECIALIST DETAILS. COLOUR OF THE DOOR AND FRAME TO ARCHITECT'S SPECIALIST.</div> </div>	<div> <div>LOCATION</div> <div>PUBLIC ABILUTIONS</div> <div>QUANTITY</div> <div></div></div>

DOOR SCHEDULE

TP-06

ISSUE FOR INFORMATION

DOOR NOTES

ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIT.

REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND

BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS BE PUT IN HANDS

ARCHITECT APPROVES DRAWINGS ON AESTHETIC, MATERIAL AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.

ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND GREESED THOROUGHLY

ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB

ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME, TO BE SHOT FIXED TO CONCRETE SLAB

TP-07

ISSUE FOR INFORMATION

DOOR NOTES

ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIT.

REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND

BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS BE PUT IN HANDS

ARCHITECT APPROVES DRAWINGS ON AESTHETIC, MATERIAL AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.

ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND GREESED THOROUGHLY

ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB

ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME, TO BE SHOT FIXED TO CONCRETE SLAB

LOCATION	PUBLIC ALUBUNS
QUANTITY	7
FINISH	13mm 1.3mm GAL VANZERISED SLAT MATERIAL, ON OTHER RECOMMENDED SLAT BY MANUFACTURER.
GLAZING	NONE
IRON MONGERY	IRONMONGERY SCHEDULE BY SPECIALIST, IN ACCORDANCE TO FRAMA BLUE PRINT
DOOR & FRAME DESCRIPTION	LOCK SET AND OPENING LEAF DOOR HANDLE 800mm x 2100mm GAL VANZERISED AND EPOXY COATED MS STEEL DOOR SIDES AND CONCEALED EDGES TO SHOT OPENING, DOOR TO BE FITTED WITH 3 X HINGERS PER LEAF ALL TO SPECIALIST DETAILS.

LOCATION	MESS ROOM
QUANTITY	7
FINISH	WOOD TO BE SEALED WITH LINESEED OIL OR OTHER RECOMMENDED SEALANTS BY MANUFACTURER AND TO BE PAINTED TO ARCHITECT SPEC. APPROVED BY CLIENT.
GLAZING	N/A
IRON MONGERY	IRONMONGERY SCHEDULE BY SPECIALIST, IN ACCORDANCE TO FRAMA BLUE PRINT
DOOR & FRAME DESCRIPTION	LOCK KNOR AND INDICATOR LOCK SET, OPENING LEAF DOOR HANDLE, AND HINGES AS PER MANUFACTURERS SPECIFICATIONS. 1700mm x 1800mm GLASS 8" X 2 HOUR FIRE RATED GLD IN HARDWOOD DOUBLE DOOR, ALL PURPOSE MADE, STEEL FRAME TO SUITE DOOR & WALL, PRIMED & PAINTED WITH 2 COATS

CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION TO THE ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND:

1. BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS BE PUT IN HANDS

2. ARCHITECT APPROVES DRAWINGS ON AESTHETIC, MATERIAL AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.

3. ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND GREESED THOROUGHLY

4. ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB

5. ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME, TO BE SHOT FIXED TO CONCRETE SLAB

DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 APPROVED BY: [Signature]

DOOR NOTE:

- ALL EXISTING INTERNAL AND EXTERNAL DAMAGED STEEL AND TIMBER DOORS AND FRAMES TO BE REMOVED AND REPLACED WITH NEW FRAMES, WHERE NECESSARY, TO MATCH EXISTING. STRICTLY REFER TO ARCHITECTS BEFORE ANY DOOR FRAME REMOVAL.
- ALL NEW INTERNAL AND EXTERNAL STEEL DOOR FRAMES TO BE SANDED DOWN, TREATED AND PAINTED WITH PLASCON PROFESSIONAL GLOSS ENAMEL (PBS 1000) OR DULUX TRADE GLOSS ENAMEL PAINT, IN ACCORDANCE TO PRASA BLUE PRINT.
- ALL NEW ALUMINIUM DOOR FRAMES TO BE NATURAL ANODISED ALUMINIUM, IN ACCORDANCE TO PRASA BLUE PRINT.
- ALL EXISTING INTERNAL AND EXTERNAL TIMBER DOOR FRAMES TO BE SANDED DOWN & VARNISHED OR REPAINTED WITH TWO COATS OF QUALITY VARNISH AS PER HERITAGE REQUIREMENTS.
- PAINT ALL INTERNAL DOOR LEAFS TO BE PAINTED WITH PLASCON OR DULUX TRADE PEARLGLO EMULSION PAINT.
- PAINT ALL EXTERNAL DOOR LEAFS TO BE PAINTED WITH PLASCON PROFESSIONAL OR DULUX TRADE GLOSS ENAMEL PAINT.
- EXISTING SECURITY BANDIT GATES TO BE CLEANED AND REPAIRED. PROPOSE NEW GALVANIZED STEEL SECURITY GATES WHERE NECESSARY ACCORDING TO THE CLIENT.


GENERAL NOTES:

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS.
2. ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECK ON SITE BEFORE WORK PUT ON HAND.
3. REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER.
4. THIS DRAWING MUST NOT BE USED TO SCALE OFF. USE ONLY WRITTEN DIMENSIONS. CONTACT THE ENGINEER OR ARCHITECT WHERE CLARITY IS SOUGHT.
5. FOR SETTING OUT DATA, SETTING OUT POINTS AND DATUM LEVELS REFER TO SURVEY INFORMATION AND ARCHITECT'S DRAWINGS.
6. STRUCTURAL WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.N.S SPECIFICATIONS. ALL CONCRETE WORKS IS TO BE DONE IN ACCORDANCE WITH S.A.N.S 1200G AND EARTHWORKS IS IN ACCORDANCE WITH S.A.N.S 1200G.
7. CONSULT RELEVANT ARCHITECTS, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLET, RWOPS AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.

[illegible][illegible]

MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	MR E. MGUZUMABANE	22/07/2022
CHECKED		
ENG. COORD		
ARCHITECT	MR M. MADIBA	26/08/2022
ELEC. ENG.		
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME		DATE
SIGNATURE		
REG. NUMBER		



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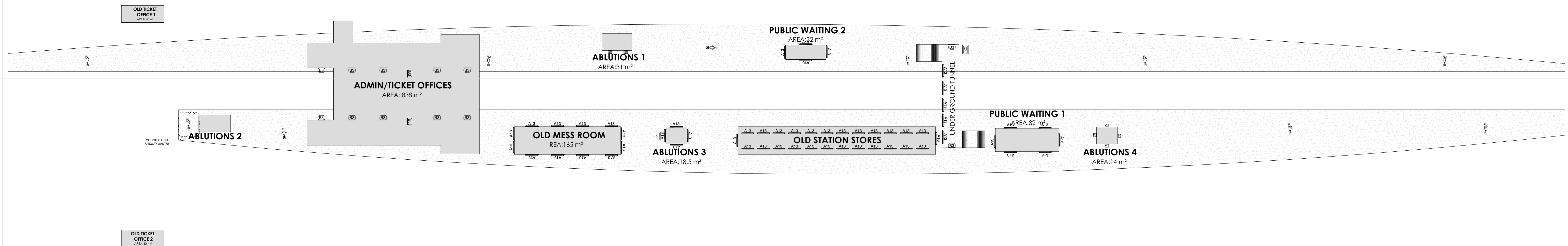
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DRAWING REGISTER	
	FILING

Project Title	UMLAZI SUB CORRIDOR 1 - STATION IMPROVEMENT PROGRAMME - ROSSBURGH STATION	Project Number	1040-002-12
Client	PRASA	Date	30/09/2022
Consultant	LODEMANN	Date	
Contractor		Date	

Drawing No.	Client / Vendor Drg. No	Status of Document/ Drawing	Rev No.	Paper Size	Quantity	Date Rec:	Description	Transmittal number
ELECTRICAL								
1040-002-12-3000	N/A	ISSUED FOR TENDER	1	A1	1		GROUND STOREY PLANS: PLATFORMS LIGHTING LAYOUT	
1040-002-12-3001	N/A	ISSUED FOR TENDER	1	A1	1		ABLUTIONS, PUBLIC WAITING, MESS ROOM AND TICKET OFFICES LIGHTING LAYOUT	
1040-002-12-3002	N/A	ISSUED FOR TENDER	1	A3	1		KIOSK 1 SINGLE LINE DIAGRAM	
1040-002-12-3003	N/A	ISSUED FOR TENDER	1	A3	1		KIOSK 2 SINGLE LINE DIAGRAM	
1040-002-12-3004	N/A	ISSUED FOR TENDER	1	A3	1		KIOSK AE SINGLE LINE DIAGRAM	
1040-002-12-3005	N/A	ISSUED FOR TENDER	1	A3	1		DB-1 SINGLE LINE DIAGRAM	

Drawing Register	ISSUED BY :- DESIGNATION:- RECEIVED BY :- DESIGNATION:-	LUNGA MKHIZE SENIOR DRAUGHTSMAN	Rev 1 DATE :- DATE :-	Page : 1 of 1
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	<p>LED SYMBOL</p> <p>TYPE FL1: 150W / ± 2700 LUMEN LED (4000K) STREETLIGHT RATED IP66 WITH POWDER COATING AS PER SPECIFICATION</p>
<p>A13</p>	<p>TYPE A13 RATED IP65, 30W, ± 3440 LUMEN (4000K) ROUGH AND GRACED WEATHER PROOF LUMINAIRE, GRP BODY AND ACRYLIC DIFFUSER, WITH 50,000 HOURS LIFESPAN, WALL MOUNTED</p> <p>TYPE B1 RATED IP65 HIGH PRESSURE DIE CAST ALUMINUM BASE AND TRIM RINGS 20W / ± 2000 LUMEN LED (4000K) BULKHEAD LUMINAIRE WITH AN OPAL, HIGH IMPACT ACRYLIC DIFFUSER, WITH 50,000 HOURS LIFESPAN, SURFACE MOUNTED</p> <p>TYPE B1 RATED IP65 HIGH PRESSURE DIE CAST ALUMINUM BASE AND TRIM RINGS 20W / ± 2000 LUMEN LED (4000K) BULKHEAD LUMINAIRE WITH AN OPAL, HIGH IMPACT ACRYLIC DIFFUSER, WITH 50,000 HOURS LIFESPAN, WALL MOUNTED WITH STEEL CAGE.</p>
<p>B1</p>	<p>TYPE B1 RATED IP65 HIGH PRESSURE DIE CAST ALUMINUM BASE AND TRIM RINGS 20W / ± 2000 LUMEN LED (4000K) BULKHEAD LUMINAIRE WITH AN OPAL, HIGH IMPACT ACRYLIC DIFFUSER, WITH 50,000 HOURS LIFESPAN, SURFACE MOUNTED</p> <p>TYPE B1 RATED IP65 HIGH PRESSURE DIE CAST ALUMINUM BASE AND TRIM RINGS 20W / ± 2000 LUMEN LED (4000K) BULKHEAD LUMINAIRE WITH AN OPAL, HIGH IMPACT ACRYLIC DIFFUSER, WITH 50,000 HOURS LIFESPAN, WALL MOUNTED WITH STEEL CAGE.</p>
<p>B3</p>	<p>TYPE B3 RATED IP65 HIGH PRESSURE DIE CAST ALUMINUM BASE AND TRIM RINGS 30W / ± 4070 LUMEN LED (4000K) BULKHEAD LUMINAIRE WITH AN OPAL, HIGH IMPACT ACRYLIC DIFFUSER, WITH 50,000 HOURS LIFESPAN, WITH WIREGUARD - WALL MOUNTED</p>
<p>C4</p>	<p>TYPE C4 144W / ± 20960 LUMEN LED (4000K) LOW BAYS, RATED IP66 WITH POWDER COATING AS PER SPECIFICATION</p>
<p>1/1W</p>	<p>1 LEVER 1 WAY LIGHT SWITCH ON A 100mmx50mm STEEL DRAW BOX MOUNTED 1400mm A.F.F.L</p>
	<p>OUTLET - ELECTRIC CABLE MOUNTED 2400mm A.F.F.L</p> <p>DISTRIBUTION BOARD</p>
<p>K1</p>	<p>KIOSK</p>



GROUND STOREY PLAN: PLATFORMS

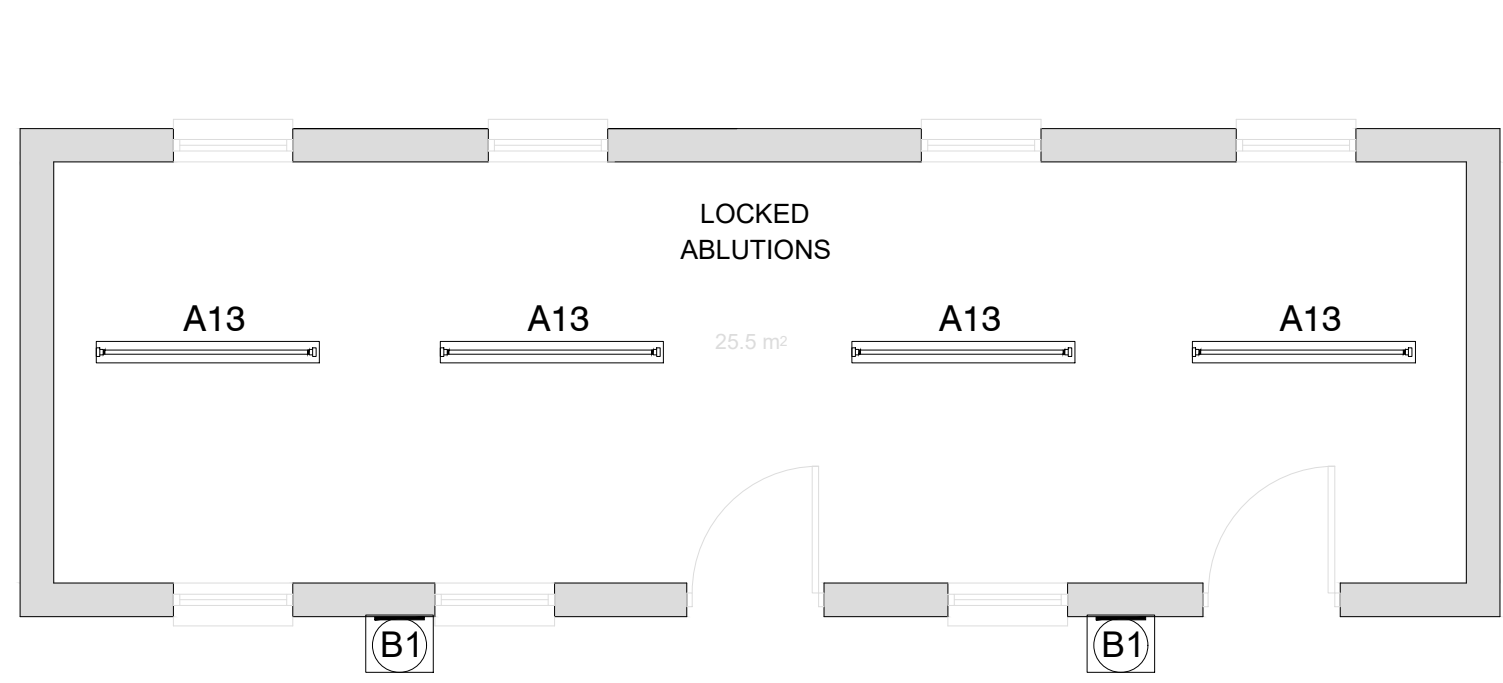
GENERAL NOTES:

1. ELECTRICAL INSTALLATION TO COMPLY WITH SANS 10142-1 AS AMENDED.
2. CONTRACTORS TO USE EXISTING CIRCUITING. CONTRACTORS TO RETAIN EXISTING CABLES AND CONDUCTORS WHERE APPLICABLE. NEW CABLE AND CONDUCTOR SHALL BE INSTALLED UPON ENGINEERS APPROVAL.
3. CONTRACTORS TO REPLACE LIGHT FITTINGS AS PER SPECIFICATION.
4. CONTRACTOR TO PROVIDE UNIVERSAL ELECTRICAL LOCK ON ALL KIOSK AND DB'S.

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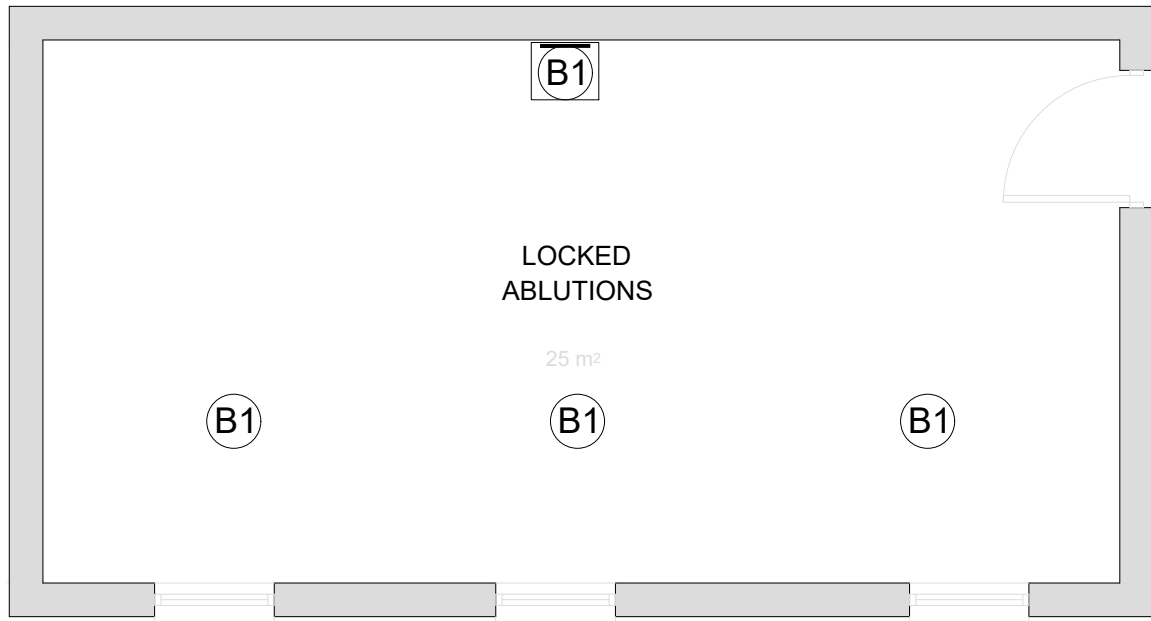
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MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	L. MKHIZE	
CHECKED		
ENG. COORD		
ARCHITECT		
ELEC. ENG.	T. MBATHA	
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME	M. MADIBA	DATE
SIGNATURE		
REG. NUMBER	D/2404/2017	



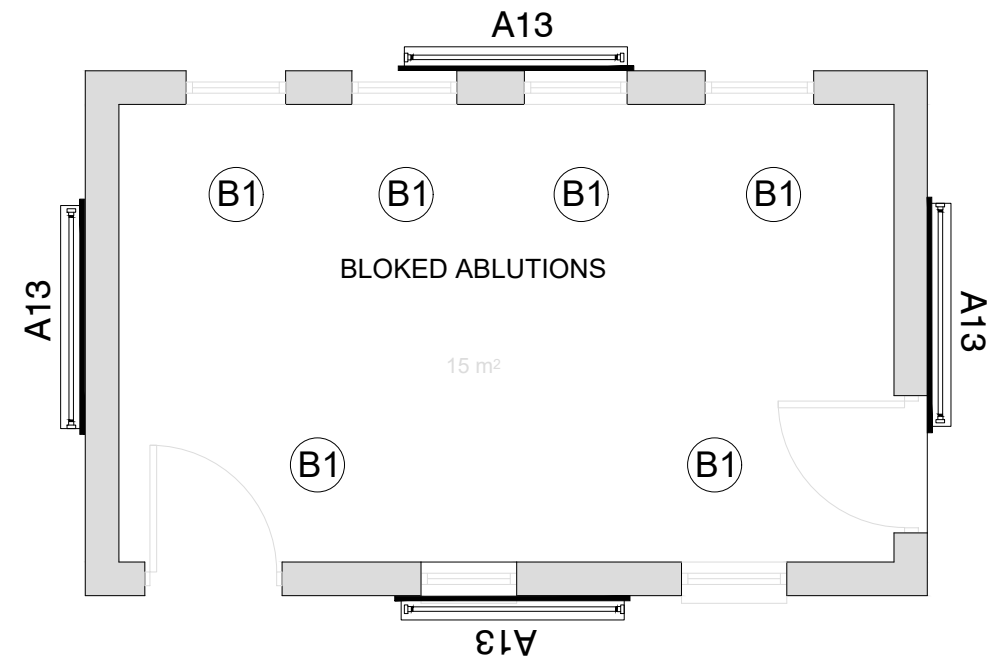
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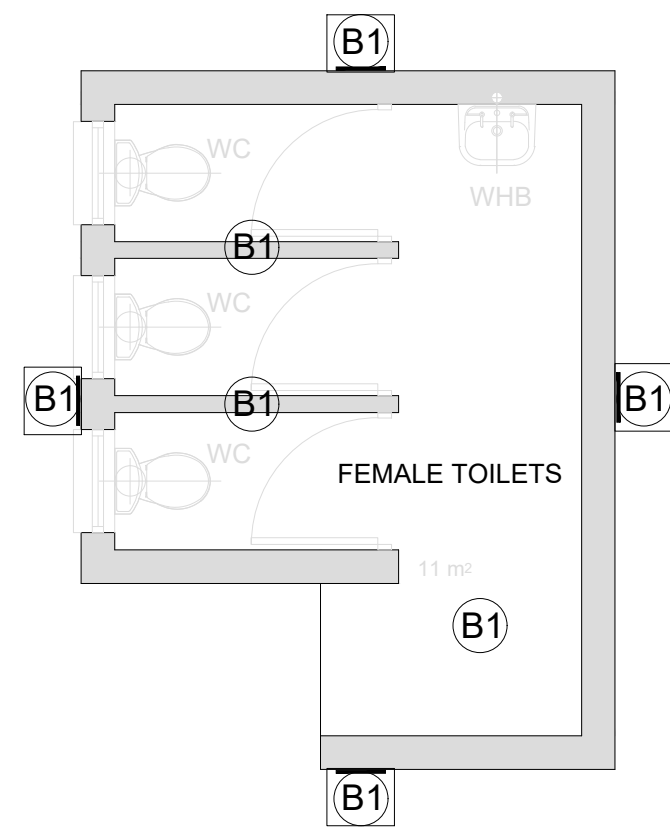
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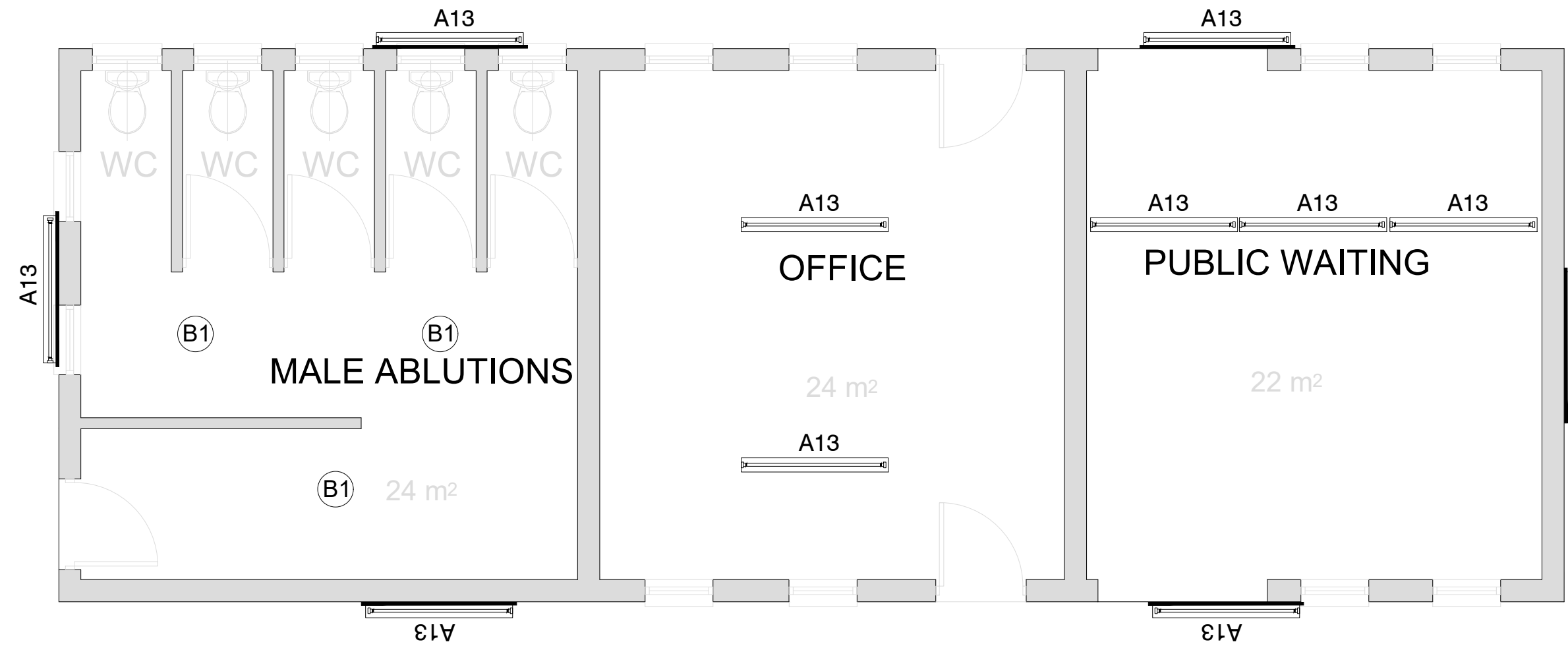
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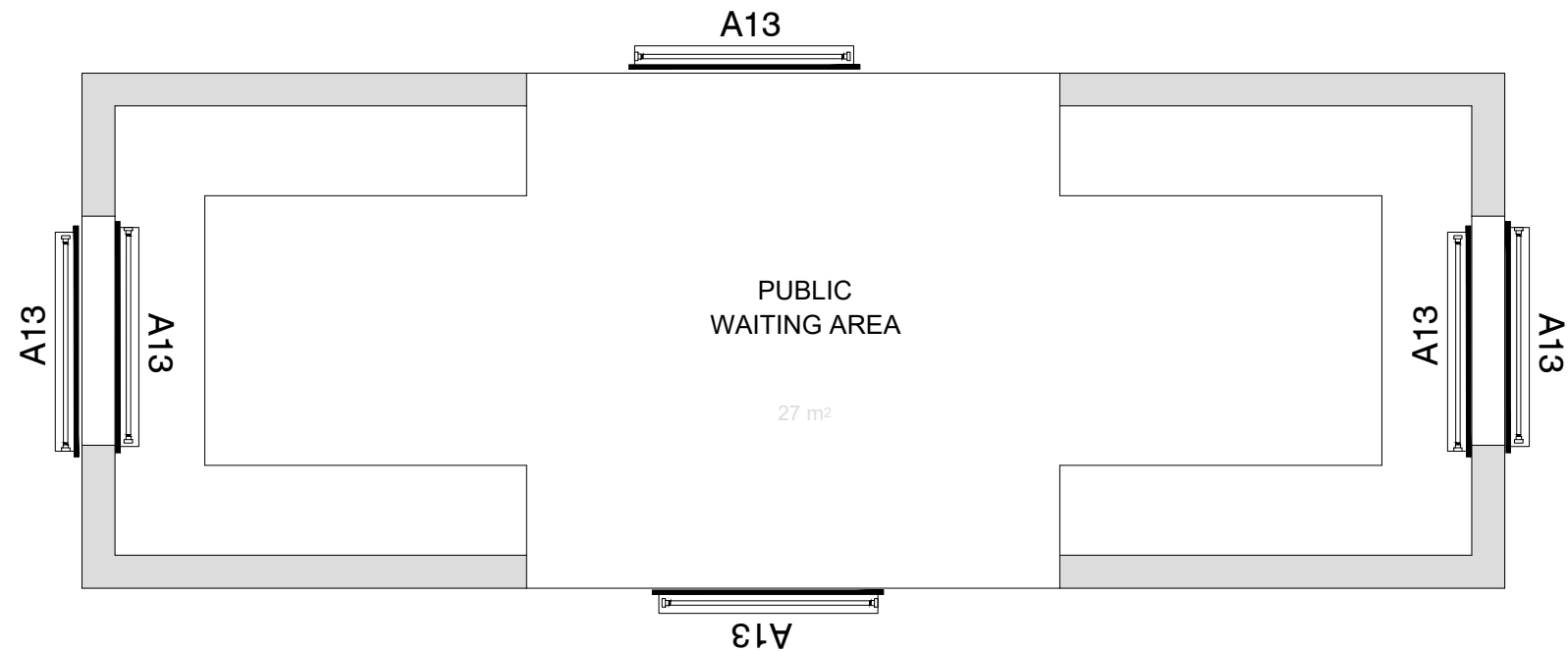
SCALE 1:50

LEGEND:	
	TYPE FL1: 180W/ ±27 000 LUMEN LED (4000K) STREETLIGHT RATED IP66 WITH POWDER COATING AS PER SPECIFICATION
	TYPE A13 RATED IP65, 30W/ ±4440 LUMEN (4000K) ROUGH-GUARD WEATHER-PROOF LUMINAIRE, GRP BODY AND ACRYLIC DIFFUSER, WITH 50 000 HOURS LIFESPAN - WALL MOUNTED
	TYPE A13 RATED IP65, 30W/ ±4440 LUMEN (4000K) ROUGH-GUARD WEATHER-PROOF LUMINAIRE, GRP BODY AND ACRYLIC DIFFUSER, WITH 50 000 HOURS LIFESPAN - SURFACE MOUNTED
	TYPE B1 RATED IP65 HIGH PRESSURE DIE CAST ALUMINIUM BASE AND TRIM RING 20W/ ±2600 LUMEN LED (4000K) BULKHEAD LUMINAIRE WITH AN OPAL HIGH-IMPACT ACRYLIC DIFFUSER WITH 50 000 HOURS LIFESPAN, SURFACE MOUNTED
	TYPE B1 RATED IP65 HIGH PRESSURE DIE CAST ALUMINIUM BASE AND TRIM RING 20W/ ±2600 LUMEN LED (4000K) BULKHEAD LUMINAIRE WITH AN OPAL HIGH-IMPACT ACRYLIC DIFFUSER WITH 50 000 HOURS LIFESPAN, WALL MOUNTED WITH STEEL CAGE.
	TYPE B3 RATED IP65 HIGH PRESSURE DIE CAST ALUMINIUM BASE AND TRIM RING 32W/ ±4370 LUMEN LED (4000K) BULKHEAD LUMINAIRE WITH AN OPAL HIGH-IMPACT ACRYLIC DIFFUSER WITH 50 000 HOURS LIFESPAN, WITH WIREGUARD - WALL MOUNTED
	TYPE B3 RATED IP65 HIGH PRESSURE DIE CAST ALUMINIUM BASE AND TRIM RING 32W/ ±4370 LUMEN LED (4000K) BULKHEAD LUMINAIRE WITH AN OPAL HIGH-IMPACT ACRYLIC DIFFUSER WITH 50 000 HOURS LIFESPAN, WITH WIREGUARD - SURFACE MOUNTED
	TYPE C6 80W/ ±9389 LUMEN LED 4000K FLOODLIGHT RATED IP65 WITH POWDER COATING
	TYPE C6 80W/ ±9389 LUMEN LED 4000K FLOODLIGHT RATED IP65 WITH POWDER COATINGS WITH 1 HOUR EMERGENCY BATTERY
	DISTRIBUTION BOARD



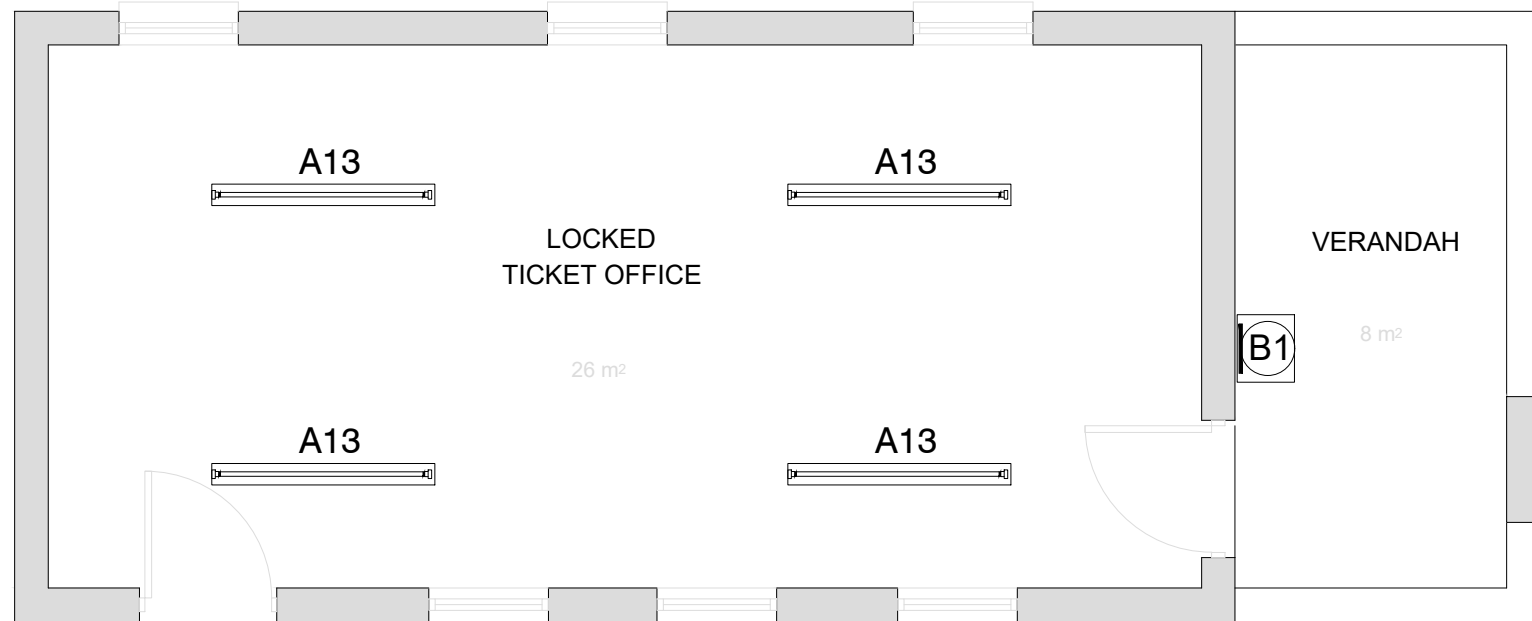
PUBLIC WAITING 1

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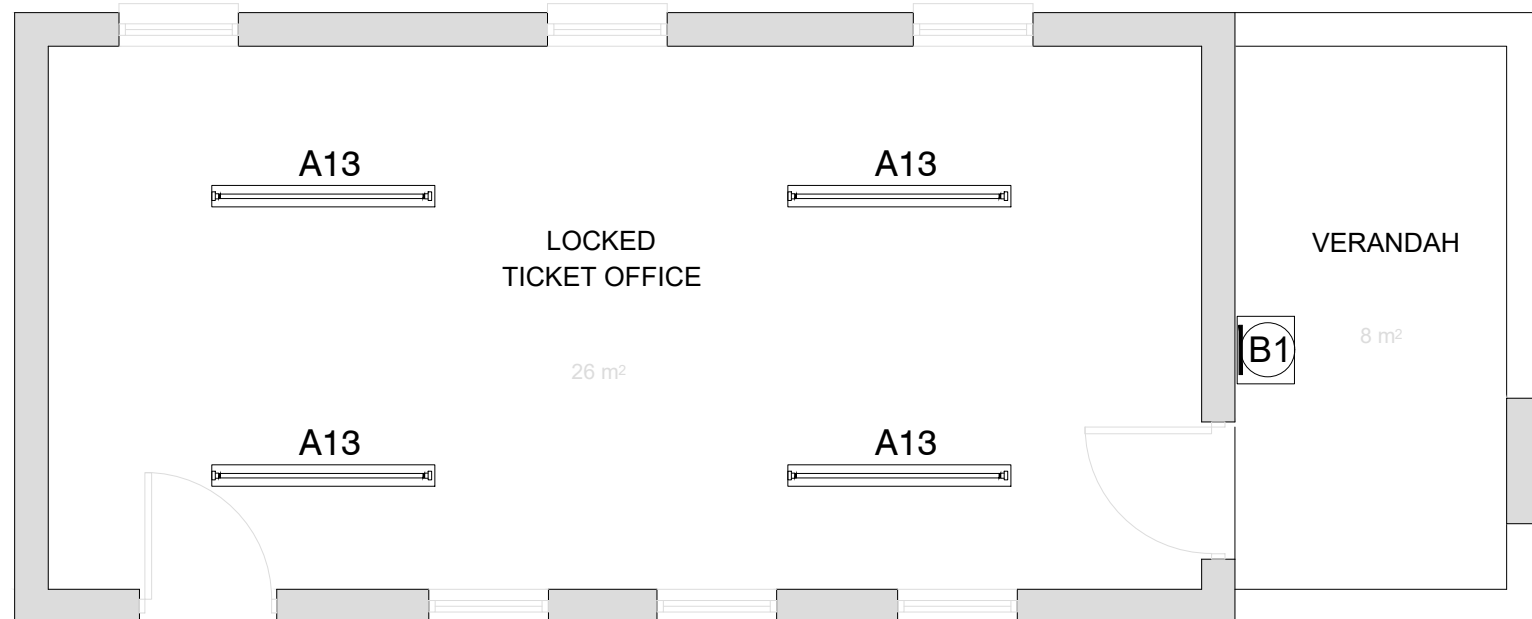
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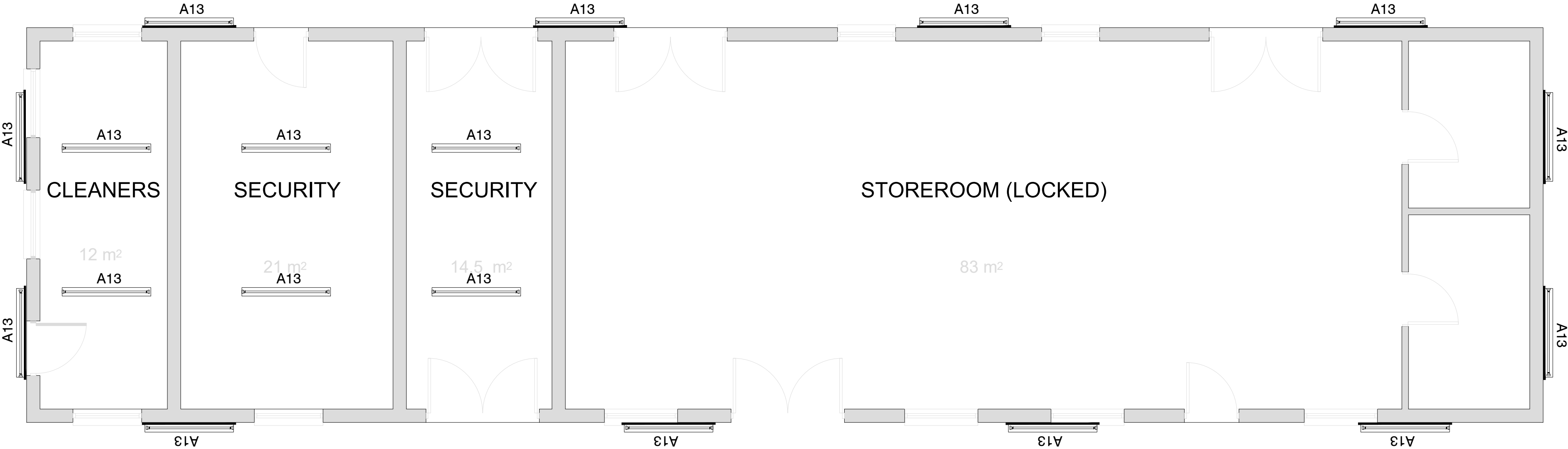
OLD TICKET OFFICE 1

SCALE 1:50



OLD TICKET OFFICE 2

SCALE 1:50



MESS ROOM

SCALE 1:50

GENERAL NOTES:

- ELECTRICAL INSTALLATION TO COMPLY WITH SANS 10142-1 AS AMENDED.
- CONTRACTORS TO USE EXISTING CIRCUITING. CONTRACTORS TO RETAIN EXISTING CABLES AND CONDUCTORS WHERE APPLICABLE. NEW CABLE AND CONDUCTOR SHALL BE INSTALLED UPON ENGINEERS APPROVAL.
- CONTRACTORS TO REPLACE LIGHT FITTINGS AS PER SPECIFICATION.
- CONTRACTOR TO PROVIDE UNIVERSAL ELECTRICAL LOCK ON ALL KIOSK AND DB'S.

DRAWING NO.	REFERENCE
REFERENCE DRAWINGS	

1.	ISSUED FOR TENDER	LM	TM	MM	16-09-2022
NO.	DESCRIPTION	BY	CHKD	APPD	DATE
REVISIONS / ISSUE AUTHORIZATION					
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CLIENT LOGO



CLIENT

TITLE	NAME	DATE

MAIN CONSULTANT

TITLE	NAME	DATE
DRAWN	L. MKHIZE	
CHECKED		
ENG. COORD		
ARCHITECT		
ELEC. ENG.	T. MBATHA	
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		

APPROVED BY

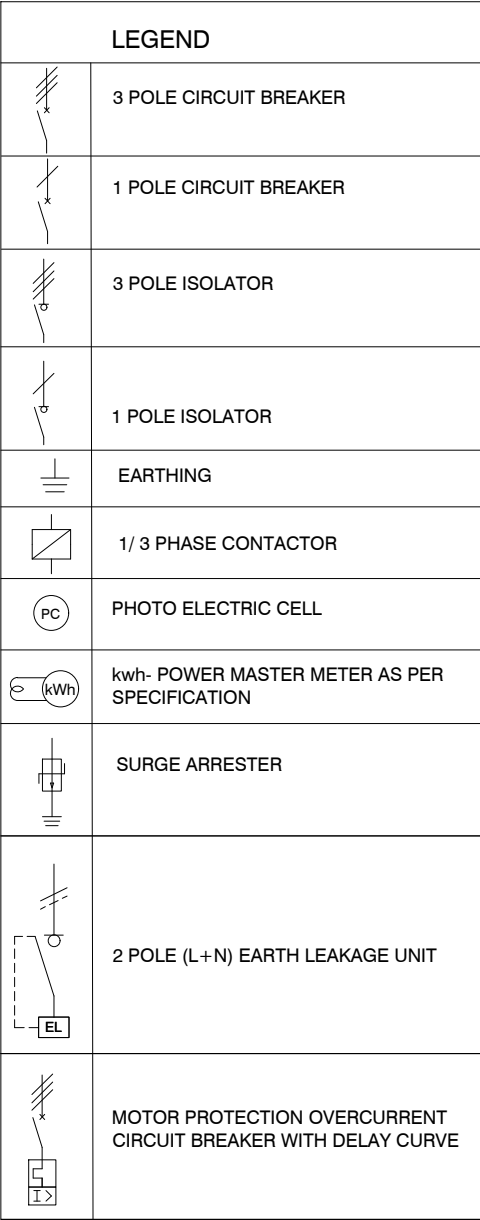
NAME	M. MADIBA	DATE
SIGNATURE		
REG. NUMBER	D/2404/2017	



UMLAZI SUB CORRIDOR 1 - STATION IMPROVEMENT PROGRAMME

ROSSBURGH STATION ABLUTIONS, PUBLIC WAITING, MESS ROOM & TICKET OFFICES LIGHTING LAYOUT

SCALE	DATE	Drawing Number	CLIENT Drawing Number	Rev.	Sheet size	Status.
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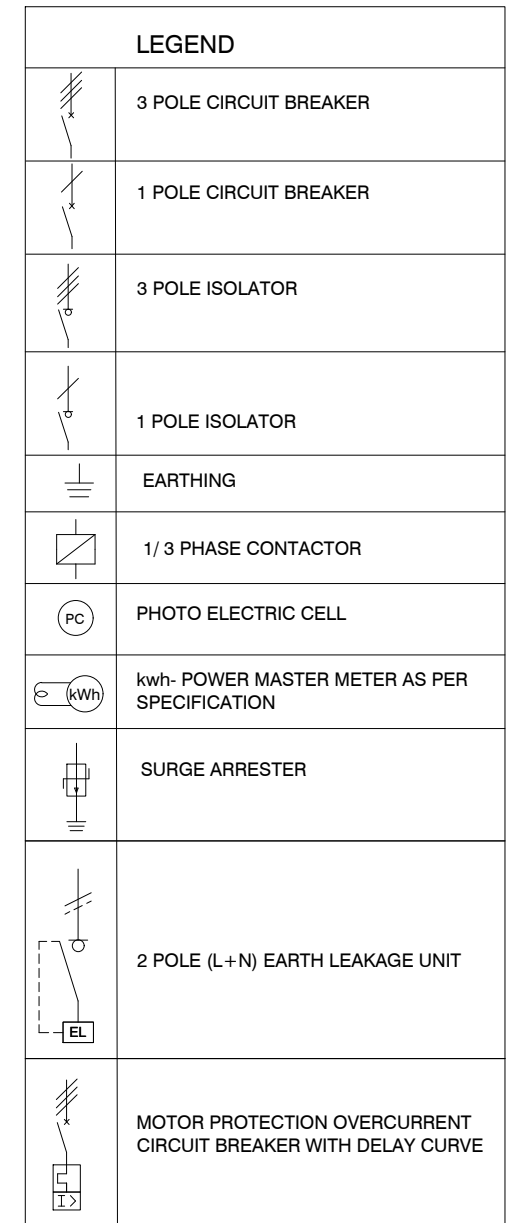
NOTES:

1. CONTRACTOR SHALL REPLACE EXISTING KIOSK AND REINSTATE CIRCUITS. KIOSK MUST FIT ON EXISTING CONCRETE SLAB.
2. CONTRACTOR TO ADD SWITCHED SOCKET OUTLET ON THE KIOSK

1. ELECTRICAL INSTALLATION TO COMPLY WITH SANS 10142-1 AS AMENDED.
2. CONTRACTORS TO USE EXISTING CIRCUITING. CONTRACTORS TO RETAIN EXISTING CABLES AND CONDUCTORS WHERE APPLICABLE. NEW CABLE AND CONDUCTOR SHALL BE INSTALLED UPON ENGINEERS APPROVAL.
3. CONTRACTOR TO PROVIDE UNIVERSAL ELECTRICAL LOCK ON ALL KIOSK AND DB'S.
4. CONTRACTOR TO PROVE EXISTING CABLE AND/ OR EXISTING CIRCUITS

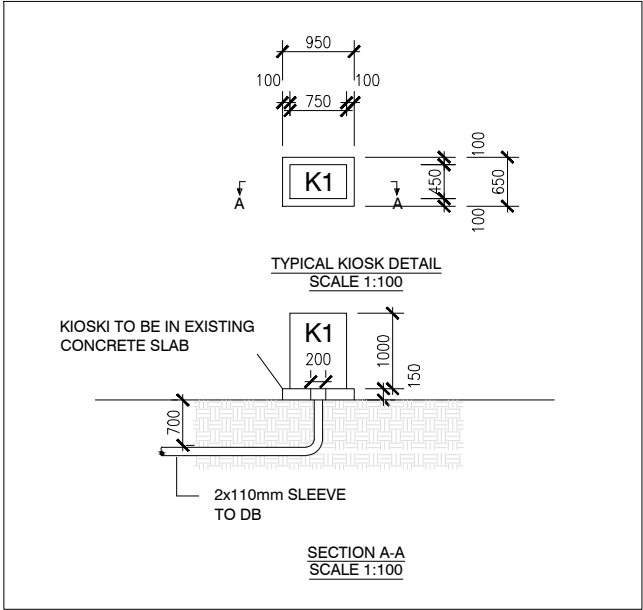
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MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	L. MKHIZE	
CHECKED		
ENG. COORD		
ARCHITECT		
ELEC. ENG.	T. MBATHA	
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME	M. MADIBA	DATE
SIGNATURE		
REG. NUMBER	D/2404/2017	



- | ADDITIONAL NOTES | BOARD INFORMATION |
|---|---|
| 1. THIS DB SHALL COMPLY WITH SANS 1973/61439 AND SHALL BE DESIGNED AND MANUFACTURED BY A SPECIALIST SWITCHBOARD MANUFACTURER.
2. ALL EQUIPMENT SHALL COMPLY TO THE RELEVANT SANS STANDARDS.
3. CASCADING CIRCUIT BREAKERS MUST BE USED.
4. THE ICU OF CIRCUIT BREAKER IS THE SAME AS FOR FEEDING BUSBAR.
5. PROVIDE 20% SPARE SPACE.
6. MATERIAL SHALL BE 2,0mm ELECTRIC ORANGE 3CR12 PAINTED ORANGE STEEL WITH POWDER COATED EPOXY.
7. NEUTRAL AND EARTH BAR MUST BE EQUAL TO PHASE BAR.
8. NO MIX OF BRANDS. | NAME OF DB : KIOSK 2
LOCATION : PLATFORM 3
MOUNTING : FLOOR STANDING
IP CLASS : 65
CABLE ENTRY : BOTTOM FEEDERS
DOOR REQUIRED : YES
COLOUR DB PLATE : ELECTRIC ORANGE |

-



LEGEND	
	3 POLE CIRCUIT BREAKER
	1 POLE CIRCUIT BREAKER
	3 POLE ISOLATOR
	1 POLE ISOLATOR
	EARTHING
	1/ 3 PHASE CONTACTOR
	PHOTO ELECTRIC CELL
	kwh- POWER MASTER METER AS PER SPECIFICATION
	SURGE ARRESTER
	2 POLE (L+N) EARTH LEAKAGE UNIT
	MOTOR PROTECTION OVERCURRENT CIRCUIT BREAKER WITH DELAY CURVE

1. CONTRACTOR SHALL REPLACE EXISTING KIOSK AND REINSTATE CIRCUITS. KIOSK MUST FIT ON EXISTING CONCRETE SLAB.
2. CONTRACTOR TO ADD SWITCHED SOCKET OUTLET ON THE KIOSK

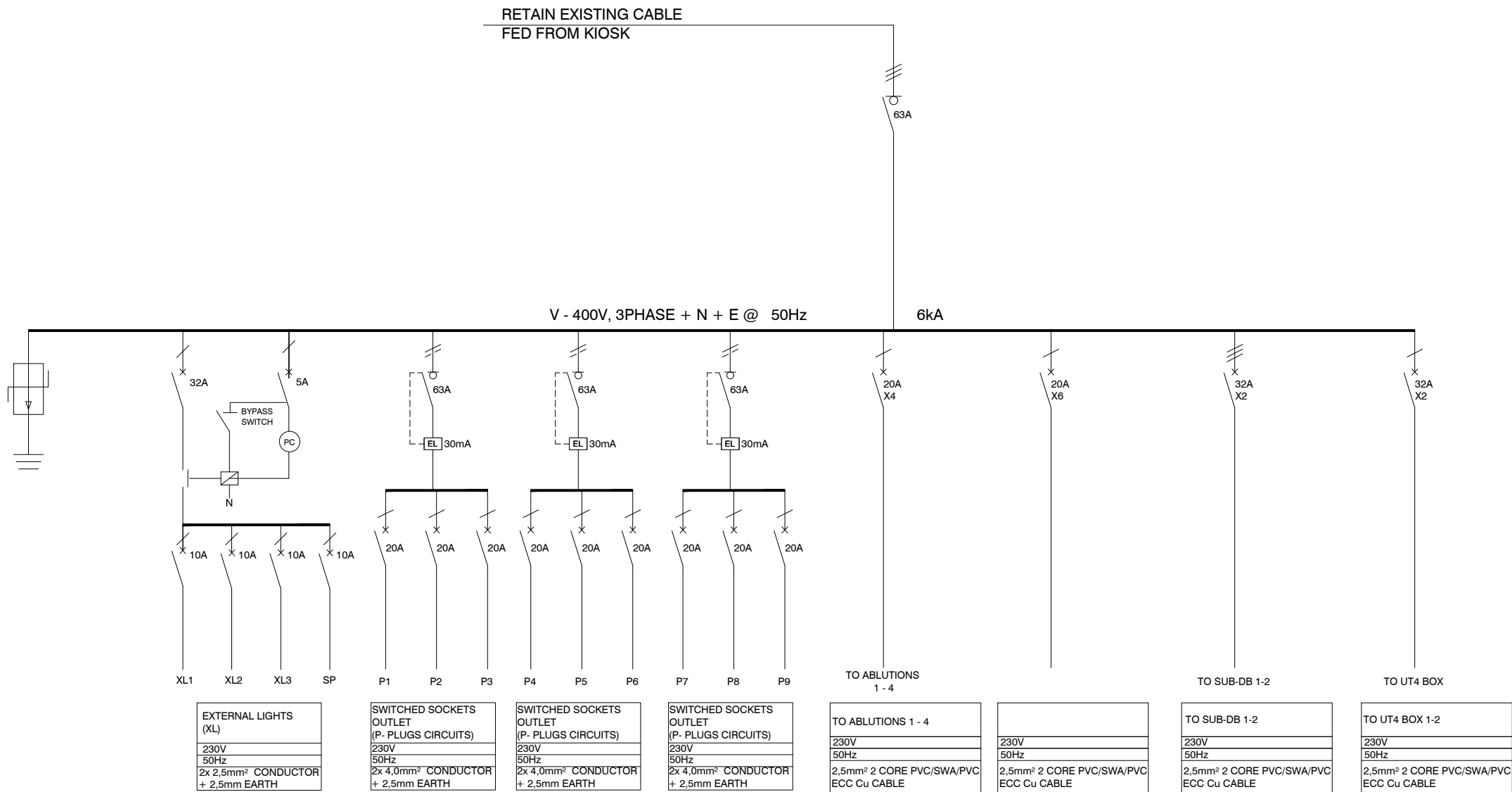
ADDITIONAL NOTES	BOARD INFORMATION
1. THIS DB SHALL COMPLY WITH SANS 1973/61439 AND SHALL BE DESIGNED AND MANUFACTURED BY A SPECIALIST SWITCHBOARD MANUFACTURER. 2. ALL EQUIPMENT SHALL COMPLY TO THE RELEVANT SANS STANDARDS. 3. CASCADING CIRCUIT BREAKERS MUST BE USED. 4. THE ICU OF CIRCUIT BREAKER IS THE SAME AS FOR FEEDING BUSBAR. 5. PROVIDE 20% SPARE SPACE. 6. MATERIAL SHALL BE FIBRE GLASS - BEIGE COLOUR. 7. NEUTRAL AND EARTH BAR MUST BE EQUAL TO PHASE BAR. 8. NO MIX OF BRANDS.	NAME OF DB : KIOSK AE LOCATION :PLATFORM 3 MOUNTING : FLOOR STANDING IP CLASS : 65 CABLE ENTRY : BOTTOM FEEDERS DOOR REQUIRED : YES COLOUR DB PLATE : ELECTRIC ORANGE

1. ELECTRICAL INSTALLATION TO COMPLY WITH SANS 10142-1 AS AMENDED.
2. CONTRACTORS TO USE EXISTING CIRCUITING. CONTRACTORS TO RETAIN EXISTING CABLES AND CONDUCTORS WHERE APPLICABLE. NEW CABLE AND CONDUCTOR SHALL BE INSTALLED UPON ENGINEERS APPROVAL.
3. CONTRACTOR TO PROVIDE UNIVERSAL ELECTRICAL LOCK ON ALL KIOSK AND DB'S.
4. CONTRACTOR TO PROVE EXISTING CABLE AND/ OR EXISTING CIRCUITS

DRAWING NO.	REFERENCE
REFERENCE DRAWINGS	

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MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	L. MKHIZE	
CHECKED		
ENG. COORD		
ARCHITECT		
ELEC. ENG.	T. MBATHA	
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME	M. MADIBA	DATE
SIGNATURE		
REG. NUMBER	D/2404/2017	



LEGEND	
	3 POLE CIRCUIT BREAKER
	1 POLE CIRCUIT BREAKER
	3 POLE ISOLATOR
	1 POLE ISOLATOR
	EARTHING
	1/ 3 PHASE CONTACTOR
	PHOTO ELECTRIC CELL
	kwh- POWER MASTER METER AS PER SPECIFICATION
	SURGE ARRESTER
	2 POLE (L+N) EARTH LEAKAGE UNIT

- NOTES:
- CONTRACTORS SHALL RE-INSTALL ALL CIRCUITS TO MATCH EXISTING.

ADDITIONAL NOTES	BOARD INFORMATION
<ol style="list-style-type: none">THIS DB SHALL COMPLY WITH SANS 1973/61439 AND SHALL BE DESIGNED AND MANUFACTURED BY A SPECIALIST SWITCHBOARD MANUFACTURER.ALL EQUIPMENT SHALL COMPLY TO THE RELEVANT SANS STANDARDS.CASCADING CIRCUIT BREAKERS MUST BE USED.THE ICU OF CIRCUIT BREAKER IS THE SAME AS FOR FEEDING BUSBAR.PROVIDE 20% SPARE SPACE.MATERIAL SHALL BE 2,0mm WHITE 3CR12 PAINTED WHITE STEEL WITH POWDER COATED EPOXY.NEUTRAL AND EARTH BAR MUST BE EQUAL TO PHASE BAR.NO MIX OF BRANDS.	<p>NAME OF DB : DB- 1</p> <p>LOCATION : OLD TICKETS OFFICE</p> <p>MOUNTING : SURFACE MOUNTED</p> <p>IP CLASS : 55</p> <p>CABLE ENTRY : TOP FEEDERS AND BOTTOM FEEDERS</p> <p>DOOR REQUIRED : YES, MAIN BREAKER TO PRO-TRUDE</p> <p>COLOUR DB PLATE : RED</p>

GENERAL NOTES:

- ELECTRICAL INSTALLATION TO COMPLY WITH SANS 10142-1 AS AMENDED.
- CONTRACTORS TO USE EXISTING CIRCUITING. CONTRACTORS TO RETAIN EXISTING CABLES AND CONDUCTORS WHERE APPLICABLE. NEW CABLE AND CONDUCTOR SHALL BE INSTALLED UPON ENGINEERS APPROVAL.
- CONTRACTOR TO PROVIDE UNIVERSAL ELECTRICAL LOCK ON ALL KIOSK AND DB'S.
- CONTRACTOR TO PROVE EXISTING CABLE AND/ OR EXISTING CIRCUITS

DRAWING NO.	REFERENCE
REFERENCE DRAWINGS	

1.	ISSUED FOR TENDER	LM	TM	MM	16-09-2022
NO.	DESCRIPTION	BY	CHKD	APPD	DATE
REVISIONS / ISSUE AUTHORIZATION					
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CLIENT LOGO		
CLIENT		
TITLE	NAME	DATE

MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	L. MKHIZE	
CHECKED		
ENG. COORD		
ARCHITECT		
ELEC. ENG.	T. MBATHA	
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME	M. MADIBA	DATE
SIGNATURE		
REG. NUMBER	D/2404/2017	

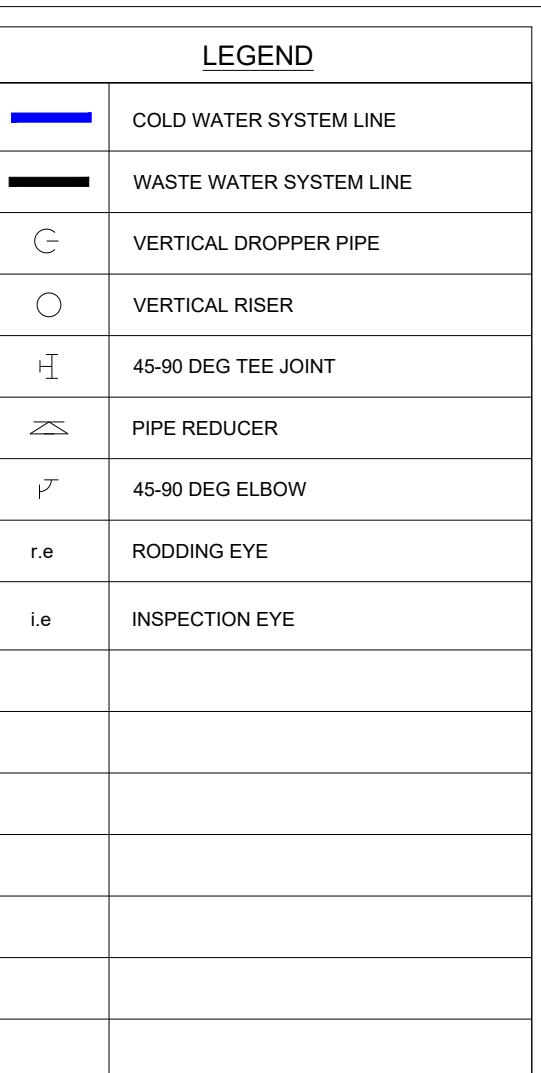
UMLAZI SUB CORRIDOR 1 - STATION IMPROVEMENT PROGRAMME						
ROSSBURGH STATION DB-1 SINGLE LINE DIAGRAM						
SCALE	DATE	Drawing Number	CLIENT Drawing Number	Rev.	Sheet size	Status
N.T.S	16-09-22	1040-002-12-3005		1	A3	ISSUED FOR TENDER



Project Title	UMLAZI SUB CORRIDOR 1 - STATION IMPROVEMENT PROGRAMME - ROSSBURG STATION	Project Number	1040-002-12
Client	PRASA	Date	30/09/2022
Consultant	LODEMANN	Date	
Contractor		Date	

[illegible]

Drawing Register	ISSUED BY :-	SOLONUZI MATHUNJWA	Rev 00	Page : 1 of 1
	DESIGNATION:-	MECHANICAL ENGINEER	DATE :-	
	RECEIVED BY :-		DATE :-	
	DESIGNATION:-			



THE ITEMS LISTED BELOW AND IN THE NOTES FORM PART OF THE SPECIFICATION FOR THE WASTE WATER DRAINAGE INSTALLATION.

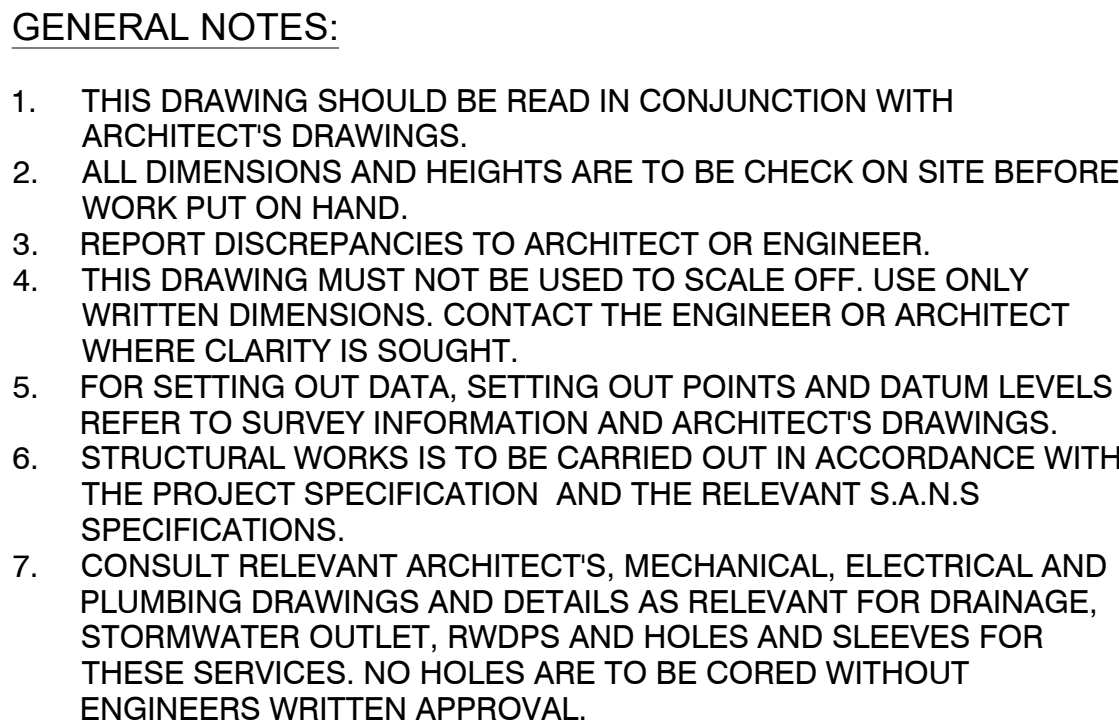
UNLESS STATED OTHERWISE ON A THE DRAWING OR THE TECHNICAL SPECIFICATION REPORT THE FOLLOWING SHALL APPLY:

1. ALL GREY WATER PIPING AND FITTINGS SHALL BE 50mm Ø CLASS 34 PVC PIPING CONSTRUCTED TO SANS 791.
2. ALL GREY WATER PIPING ARE TO MAINTAIN A FALL OF 1:80.

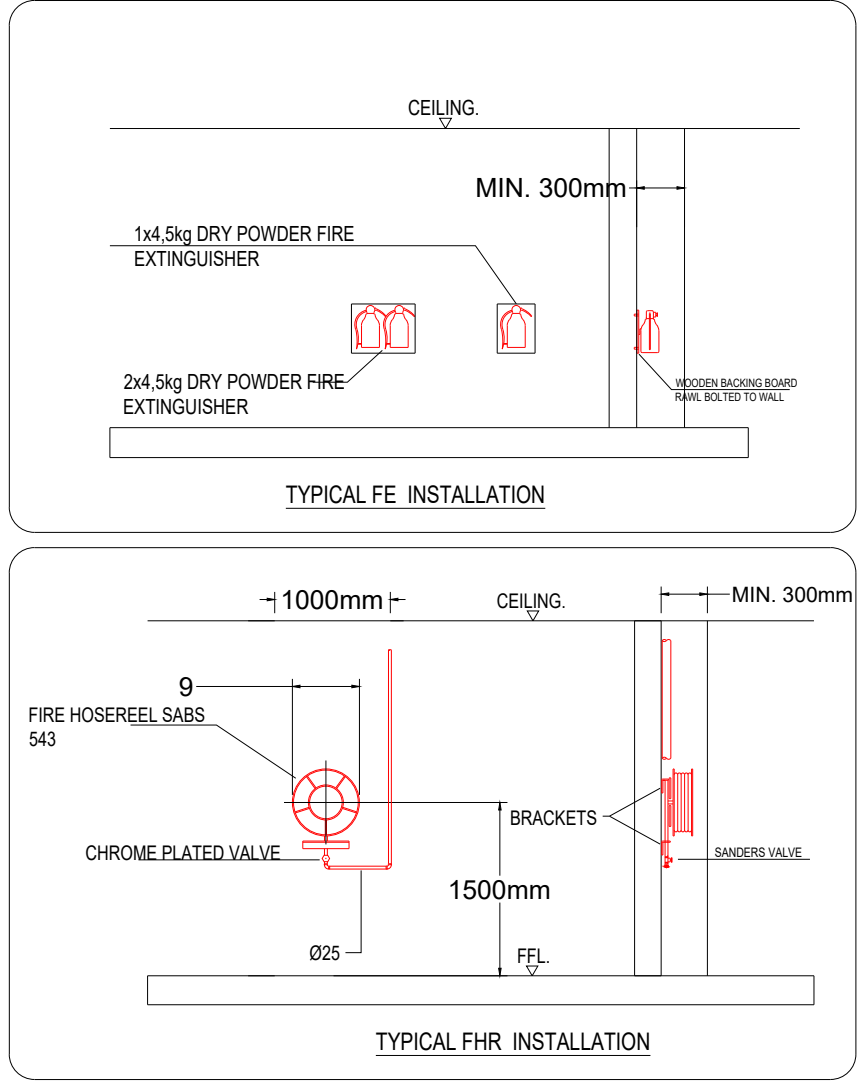
1. ALL BLACK WATER PIPING AND FITTINGS SHALL BE 50mm - 110 Ø CLASS 34 PVC PIPING CONSTRUCTED TO SANS 791.
2. ALL BLACK WATER PIPING ARE TO MAINTAIN A FALL OF 1:40.

1. WATER CONNECTIONS TO FITTINGS:-15mmø TO WHB, WC AND SHOWERS.
2. COLD & HOT WATER PIPING TO BE PEX (PLASTIC PIPING). SUPPLEMENTARY WET/AUXILIARY VENTING TO BE INSTALLED WHERE REQUIRED BY CODES REFERRED TO IN GENERAL NOTES ITEM 1.

1. ALL WASTE WATER PIPING SHALL BE HYDRAULICALLY TESTED IN THE PRESENCE OF THE ENGINEER AND THE RESULTS RECORDED.
2. PIPING SHALL BE TESTED IN SECTIONS AS THE WORK PROGRESSES, BEFORE BEING COVERED IN TRENCHES OR FLOORS. ANY COMPLETED PIPELINE SHALL ALSO BE TESTED JUST PRIOR TO TAKEOVER OF THAT LINE BY THE CLIENT.
3. FAILURE TO COMPLY WITH THE ABOVE WILL RESULT IN THE CONTRACTOR BEING REQUIRED TO EXPOSE ALL THE PIPING IN ORDER FOR THE PRESSURE TESTS TO BE CARRIED OUT. HE WILL ALSO BE RESPONSIBLE FOR ALL COSTS INCURRED BY THE CLIENT IN COVERING AND MAKING GOOD ANY WORK DONE TO THE CONTRACTORS FAILURE TO COMPLY WITH THIS REQUIREMENT.

[illegible]

MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	SI MATHUNJWA	30-09-22
CHECKED		
ENG. COORD		
ARCHITECT		
ELEC. ENG.		
MECH. ENG.	R CHABILAL	30-09-22
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME	M. MADIBA	DATE
SIGNATURE		
REG. NUMBER	D/2404/2017	



E1		E8		E16	
E2		E9		E17	
E3		E10		E18	
E4		E11		E19	
E5		E12		E20	
E6		E13		E21	
E7		E14		E22	
E23		F4		F3	
E15		F5		F9	
E28		F6		F10	
E29		F7		F11	
E24		F8		F12	
E25		F1		F13	
F25		F2		F14	
F15		F26		F39	
F16		F27		F40	
F18		F28		F41	
F19		F29		F45	
F20		F36		F46	
F21		F37		F47	
F23		F38		F49	
HZ		FB14			
1					

- The device installed on the lock. Hands-free or no touch sensors do not qualify as manual overrides.
- The maximum travel distance of any emergency escape path to the outside of the building shall not be more than 45m measured from any point in the building not equipped with automatic sprinklers and 60m for buildings equipped with automatic sprinklers and any emergency escape route shall not exceed 10m in length per Section 4 of SANS 10400-T-2.
- The escape path minimum width of 1500mm is to be adhered to according to SANS 417 and column 2 of Table 2 of SANS 10400-T-2. The clear width of an emergency exit door that opens to street level shall be no less than 1,500mm. The width of an escape path shall not decrease in the direction of emergency travel, except at an exit door to a lobby, foyer or vestibule.
- Emergency lighting to be provided above emergency exit doors, above fire-fighting equipment, above the intersection of a way or change in level of emergency escape paths for a period of 60 minutes and is to provide 50 lumens measured horizontally 100mm above the floor level.
- An emergency evacuation plan for the occupants of the building shall be drafted within 30 days of occupation and shall be drilled at least twice per annum. Record of all emergency evacuation drills to be kept on file and made available for inspection by the local authorities.
- Fire extinguishers are provided at a rate of one per 1000 m² per SA SANS 10400-T-2, 4.35. Fire extinguishers positioned within 8 m of the building and not more than 70 m from a building entrance.
- For a building with a floor area of 1 000 m² a hydrant at a rate of one per 1000 m² will be provided and should be located in the firemen's lift lobby where provided in such building or occupancy, or an emergency stairway.
- The rise and tread of any step forming part of an escape route shall comply with the requirements given in SANS 10400-M-2.
- A stairway that forms part of an emergency route shall discharge into a street or onto an open space or onto a public area or into a corridor or foyer forming part of such emergency route as per SANS 10400-T-2, 4.23.
- Where a stairway forms part of an emergency route, such stairway shall, throughout its length, be provided with a handrail on either side in accordance with the requirements of SANS 10400-S-5.

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS.
2. ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECK ON SITE BEFORE WORK PUT ON HAND.
3. REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER.
4. THIS DRAWING MUST NOT BE USED TO SCALE OFF. USE ONLY WRITTEN DIMENSIONS. CONTACT THE ENGINEER OR ARCHITECT WHERE CLARITY IS SOUGHT.
5. FOR SETTING OUT DATA, SETTING OUT POINTS AND DATUM LEVELS REFER TO SURVEY INFORMATION AND ARCHITECT'S DRAWINGS.
6. STRUCTURAL WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.N.S SPECIFICATIONS.
7. CONSULT RELEVANT ARCHITECT'S, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLET, RWDPDS AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.


DRAWING NO.	REFERENCE
REFERENCE DRAWINGS	

[illegible]

MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	SI MATHUNJWA	30-09-22
CHECKED		
ENG. COORD		
ARCHITECT		
ELEC. ENG.		
MECH. ENG.	R CHABILAL	30-09-22
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME	M. MADIBA	DATE
SIGNATURE		
REG. NUMBER	D/2404/2017	



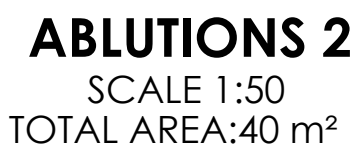
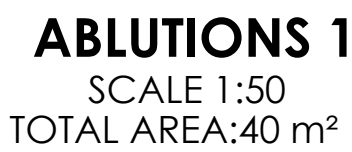
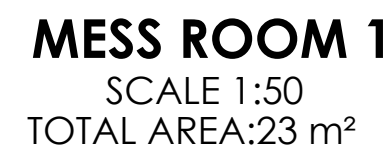
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	QUALITY MANAGEMENT SYSTEM
DRAWING REGISTER	
	FILING

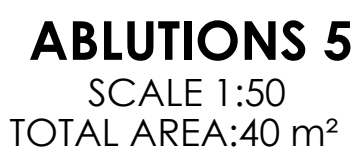
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Client	PRASA	Date	01/10/2022
Consultant	LODEMANN	Date	01/10/2022
Contractor		Date	

Drawing No.	Client / Vendor Drg. No	Status of Document/ Drawing	Rev No.	Paper Size	Quantity	Date Rec:	Description	Transmittal number
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1040-002-13-0002	N/A	ISSUED FOR TENDER	1	A0	1		STATION HALL/TICKET OFFICE	
1040-002-13-0003	N/A	ISSUED FOR TENDER	1	A0	1		BUILDINGS LAYOUT	
1040-002-13-0004	N/A	ISSUED FOR TENDER	1	A0	1		FLOOR FINISH	
1040-002-13-0005	N/A	ISSUED FOR TENDER	1	A0	1		CEILING LAYOUT	
1040-002-13-0006	N/A	ISSUED FOR TENDER	1	A0	1		REFERENCE PLAN	
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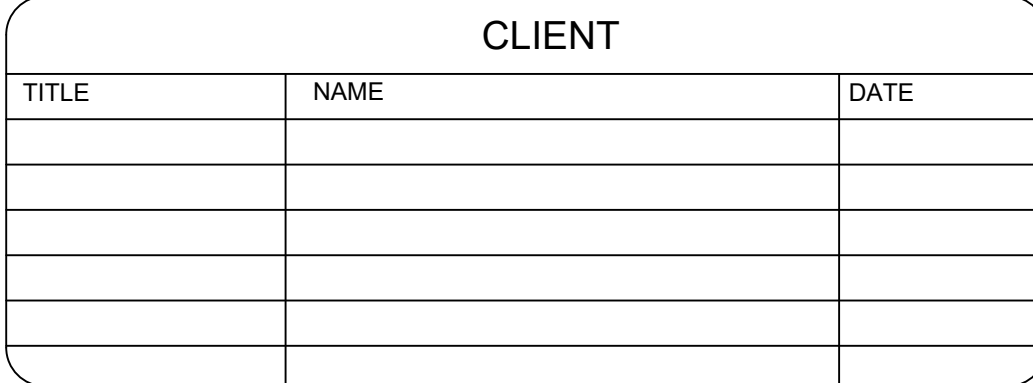
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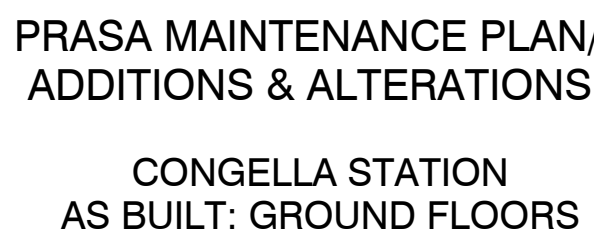
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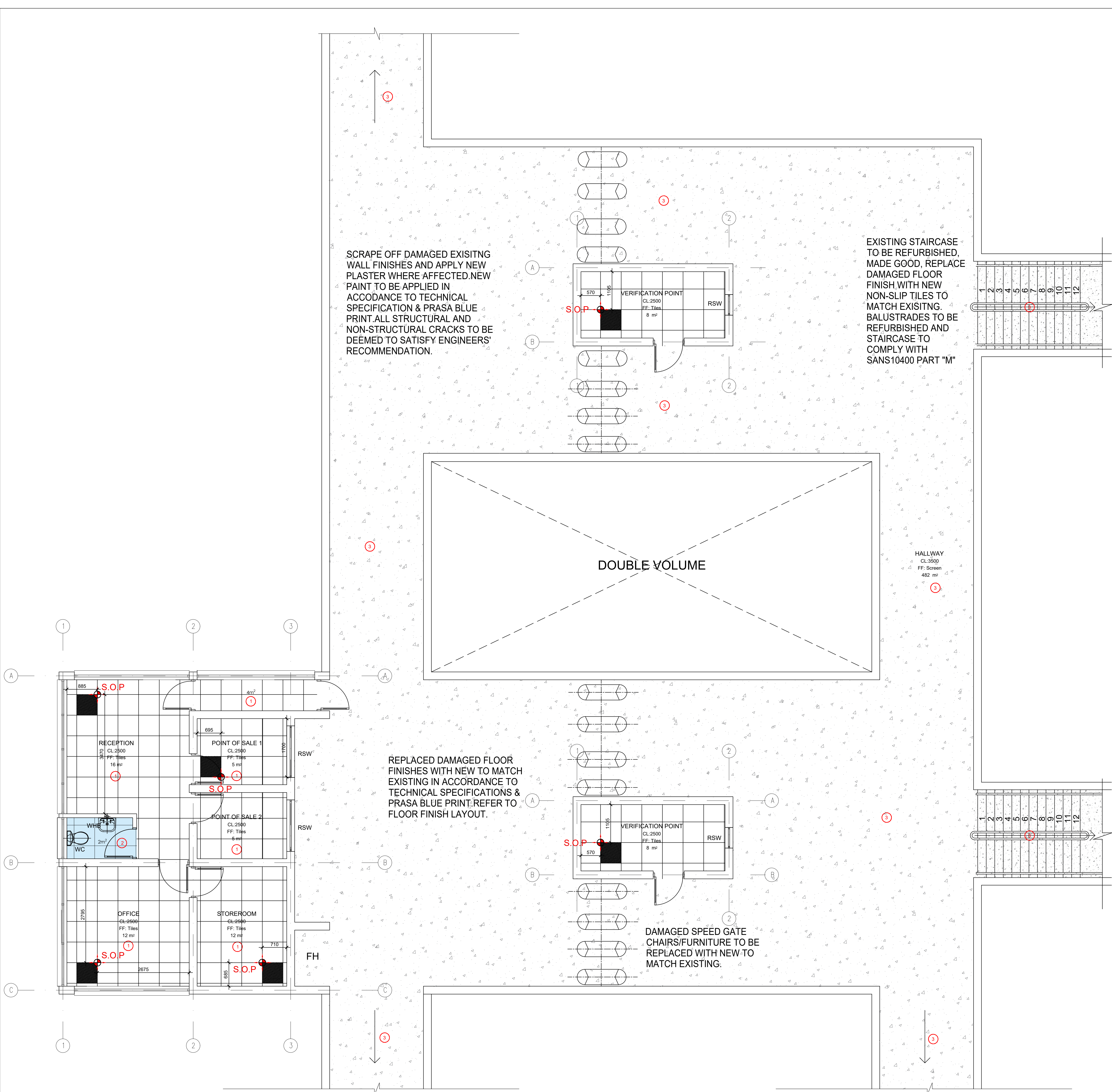
1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS.
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5. FOR SETTING OUT DATA, SETTING OUT POINTS AND DATUM LEVELS REFER TO SURVEY INFORMATION AND ARCHITECT'S DRAWINGS.
6. STRUCTURAL WORKS TO BE IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.N.S. SPECIFICATIONS. ALL CONCRETE WORKS IS TO BE DONE IN ACCORDANCE WITH S.A.N.S 1200C AND EARTHWORKS IS ACCORDANCE WITH S.A.N.S 1200D.
7. CONSULT RELEVANT ARCHITECTS, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLET, RWPDs AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.

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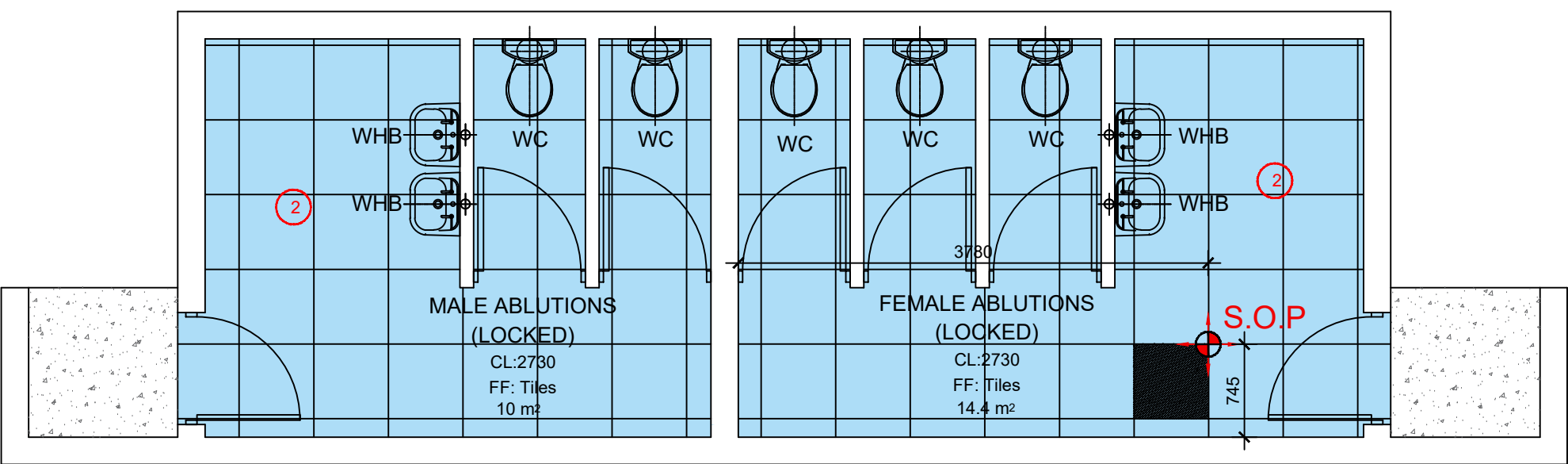
MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	E. MGUZUMABANE	22/07/2022
CHECKED		
ENG. COORD		
ARCHITECT	M. MADIBA	22/07/2022
ELEC. ENG.		
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME		DATE
SIGNATURE		
REG. NUMBER		



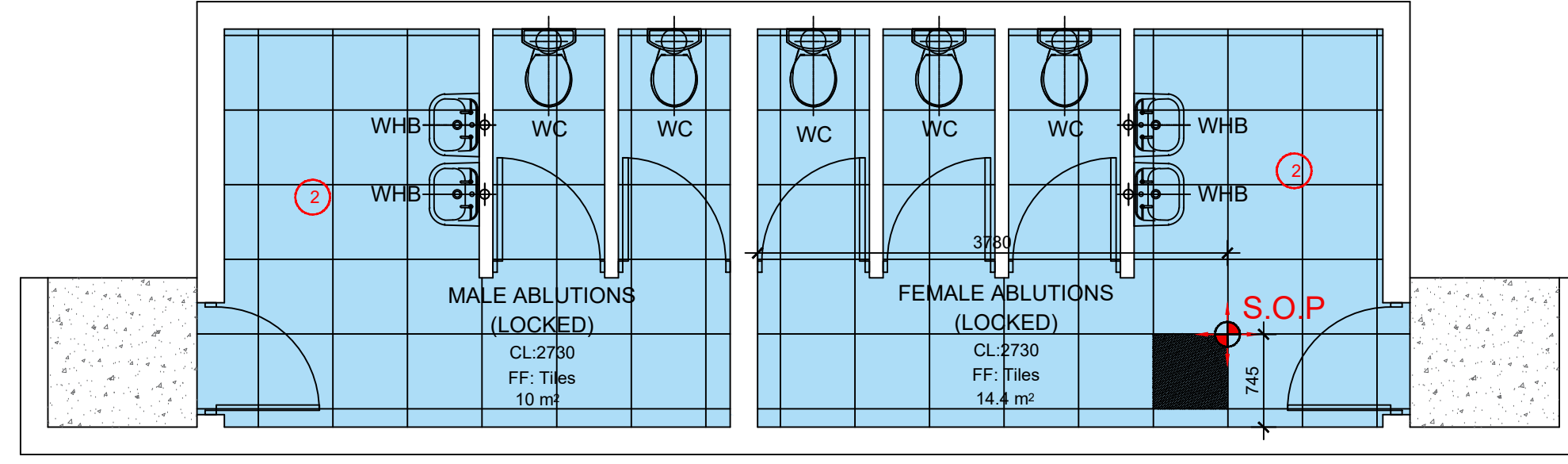
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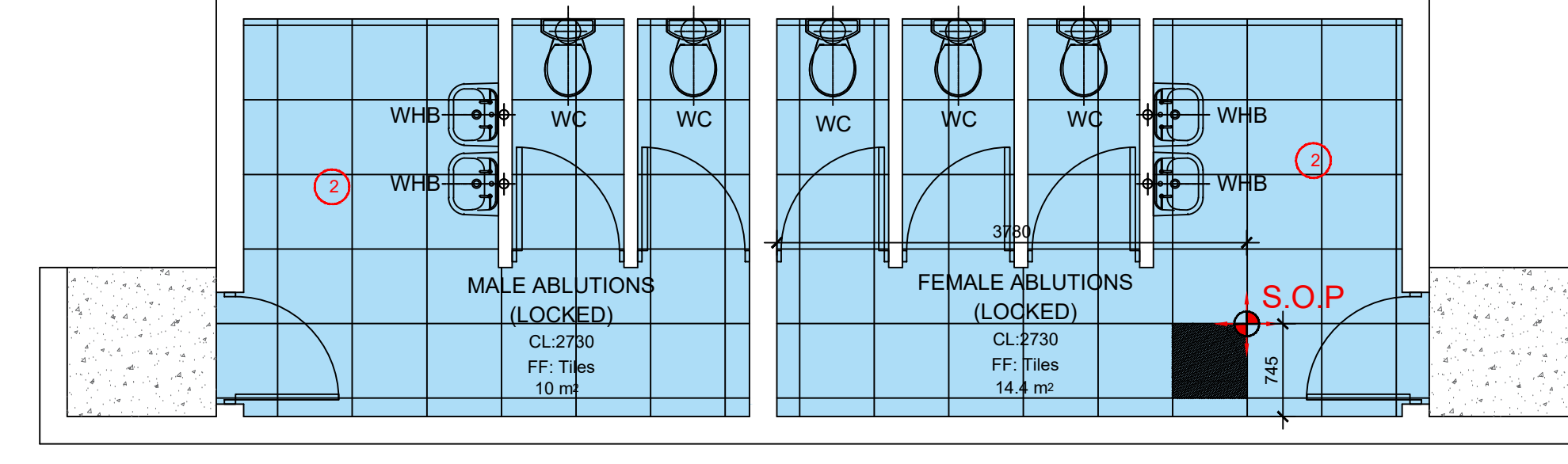
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SCALE 1:50
TOTAL AREA: 598m²



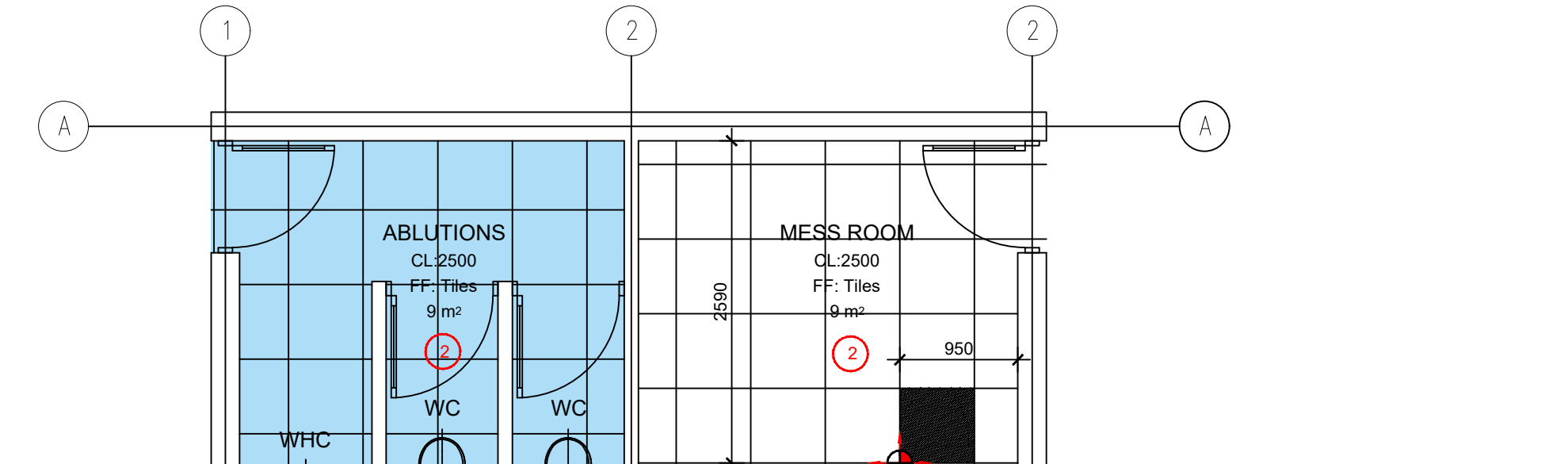
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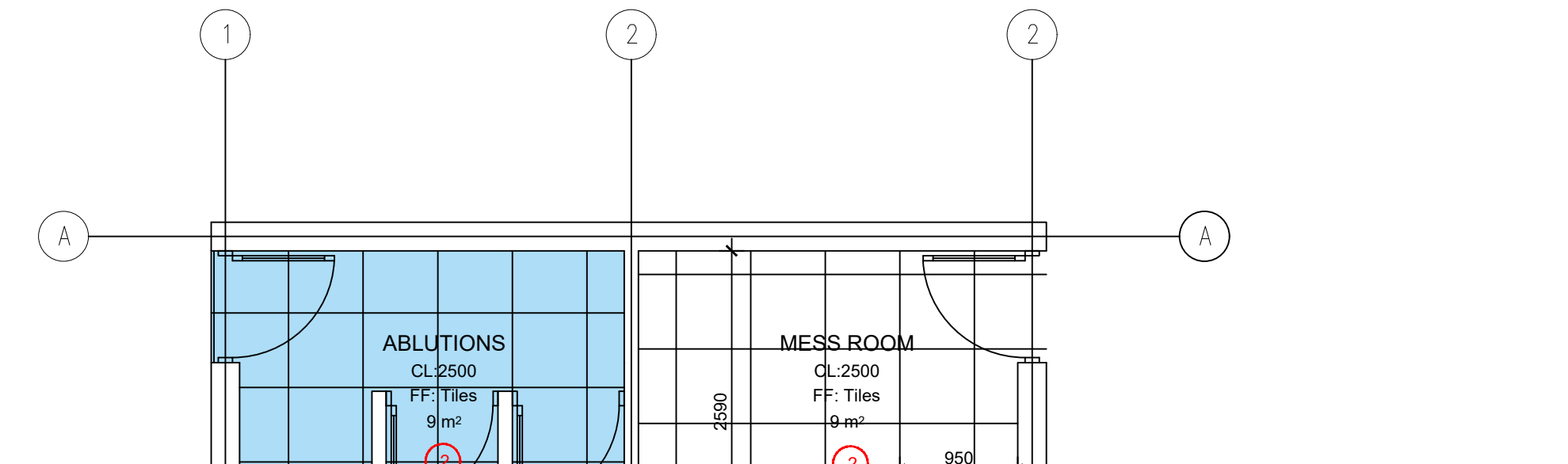
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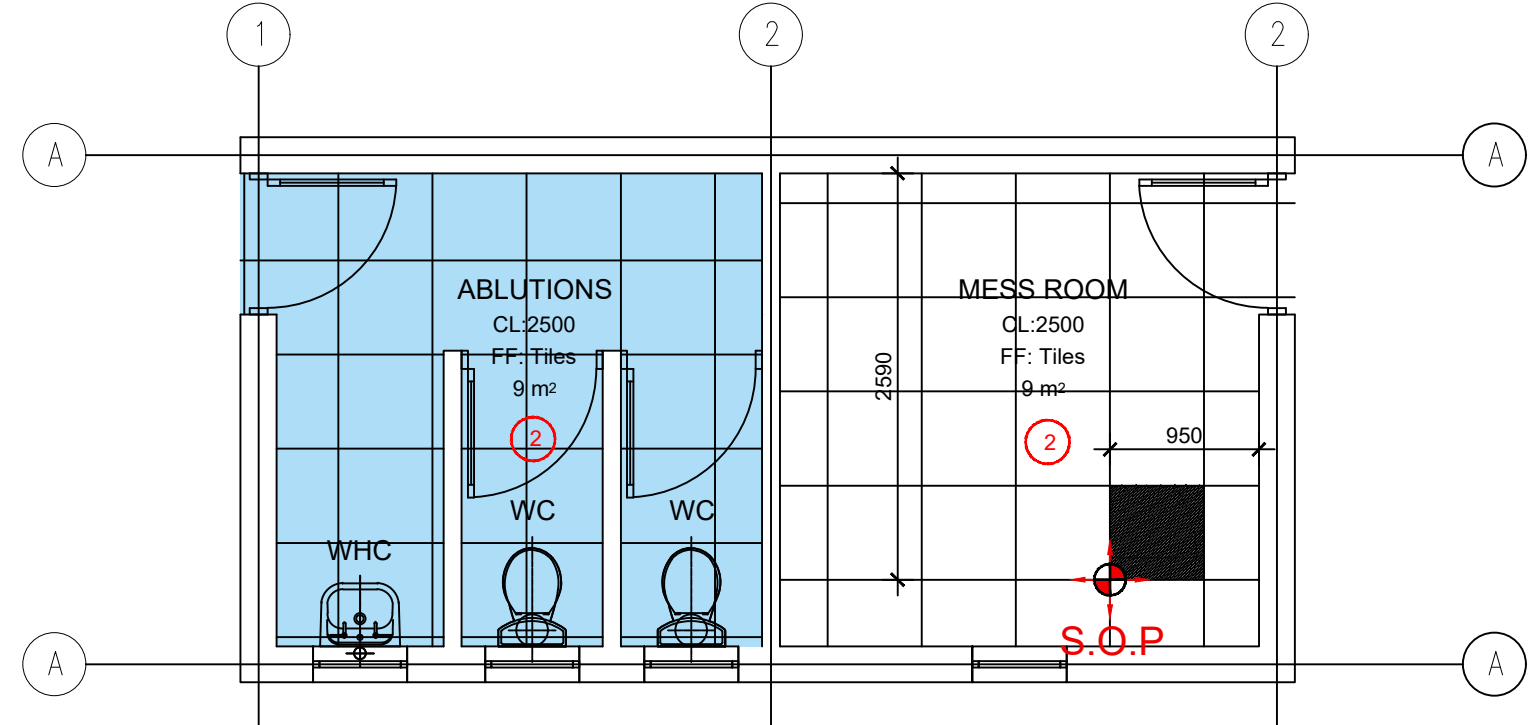
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TOTAL AREA: 40 m²



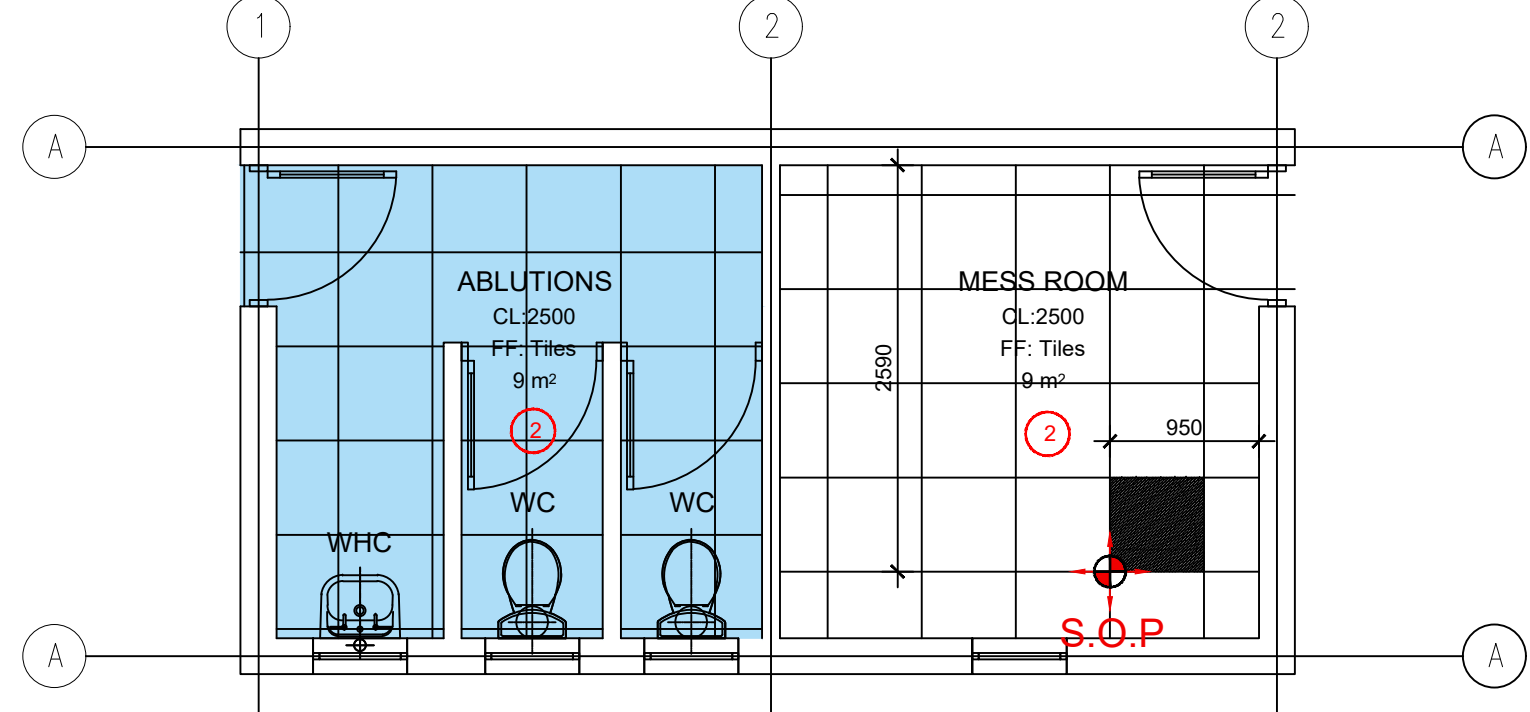
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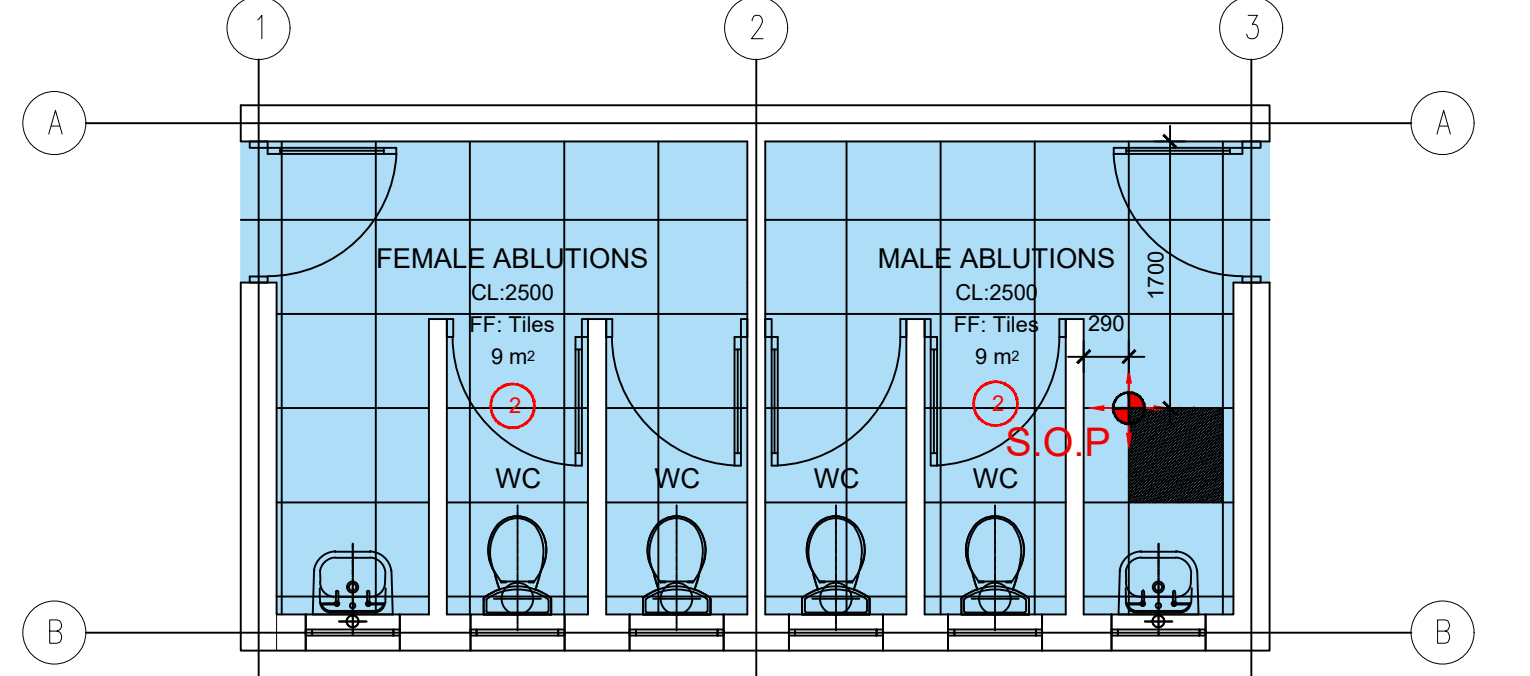
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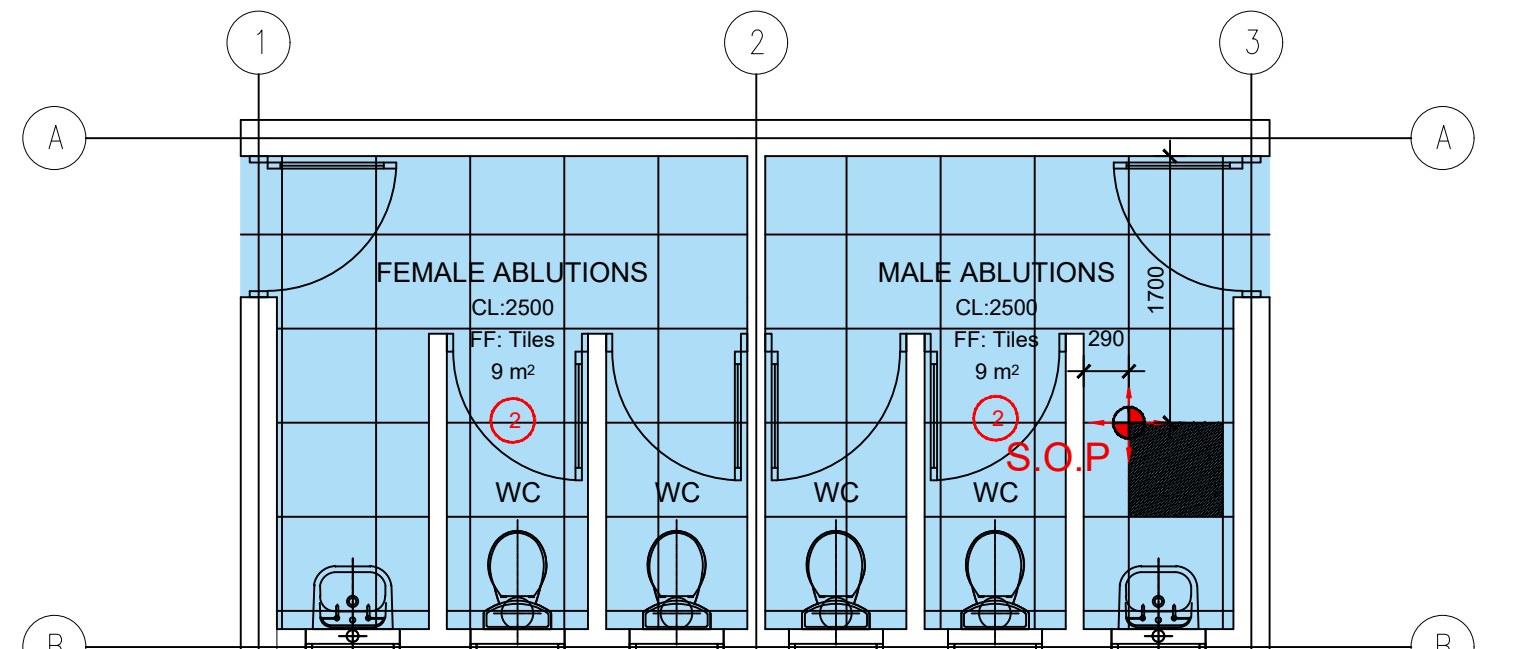
MESS ROOM 3
SCALE 1:50
TOTAL AREA: 23 m²



MESS ROOM 4
SCALE 1:50
TOTAL AREA: 23 m²



ABLUTIONS 4
SCALE 1:50
TOTAL AREA: 23m²



ABLUTIONS 5
SCALE 1:50
TOTAL AREA: 23m²

FINISHES SCHEDULE	DESCRIPTION
① 600x600 Porcelain floor tile	600 x 600mm min R9 preferably R10 slip rated Full Bodied Porcelain tiles, mineralised with 3mm grouting lines from Union Tiles, Timespace, JNB Ceramics or Tiledora. Natural finish. Full bodied porcelain tiles, size 600 x 600mm x 10mm fixed to internal floor screed with TAL tile adhesive (elsewhere specified) mixed with TAL bonding liquid in lieu of water with diagonal joints continuous in both directions and grouted with TAL tile grout, excess grout on the surface to be cleaned with water as work proceeds.
② 600x600 Porcelain floor tile	600 x 600mm min R9 preferably R10 slip rated Full Bodied Porcelain tiles, mineralised with 3mm grouting lines from Union Tiles, Timespace, JNB Ceramics or Tiledora. Natural finish. Full bodied porcelain tiles, size 600 x 600mm x 10mm fixed to internal floor screed with TAL tile adhesive (elsewhere specified) mixed with TAL bonding liquid in lieu of water with diagonal joints continuous in both directions and grouted with TAL tile grout, excess grout on the surface to be cleaned with water as work proceeds.
③ 50mm SOFFIT	Refurbish/repair concrete floor where damaged with similar approved. Power floated surface bed as per Engineer's specification.

NOTE :
T.V. POSITIONS, LIGHT FITTING POSITIONS, MOTION AND OCCUPANCY SENSORS, AIR CONDITIONING GRILLE POSITIONS, EXTRACTOR POSITIONS & SMOKE DETECTOR POSITIONS ARE ALL STILL TO BE CONFIRMED BY THE RELEVANT CONSULTANTS. ALL ELECTRICAL AND MECHANICAL SERVICES BY OTHERS.

- GENERAL NOTES:**
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS.
 - ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECK ON SITE BEFORE WORK PUT ON HAND.
 - REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER.
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 - FOR SETTING OUT DATA, SETTING OUT POINTS AND DATUM LEVELS REFER TO SURVEY INFORMATION AND ARCHITECT'S DRAWINGS.
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 - CONSULT RELEVANT ARCHITECT'S, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLET, RWDPS AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.

DRAWING NO.	REFERENCE	NO.	DESCRIPTION	BY	CHKD	APPD	DATE
REFERENCE DRAWINGS							
REVISIONS / ISSUE AUTHORIZATION							
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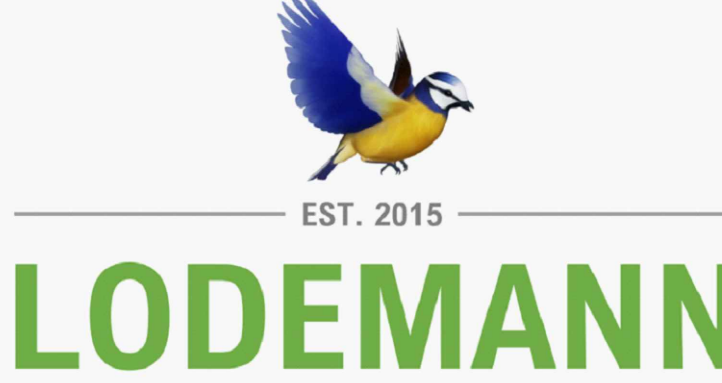


prasa
PASSENGER RAIL AGENCY
OF SOUTH AFRICA

CLIENT

TITLE	NAME	DATE

MAIN CONSULTANT	
TITLE	NAME
DRAWN	E. MUGUZUMABANE
CHECKED	
ENG. COORD	
ARCHITECT	M. MADIBA
ELEC. ENG.	
MECH. ENG.	
STRUCT. ENG.	
CIVIL. ENG.	
INSTRU. ENG.	
PROC. ENG.	
APPROVED BY	
NAME	DATE
SIGNATURE	
REG. NUMBER	



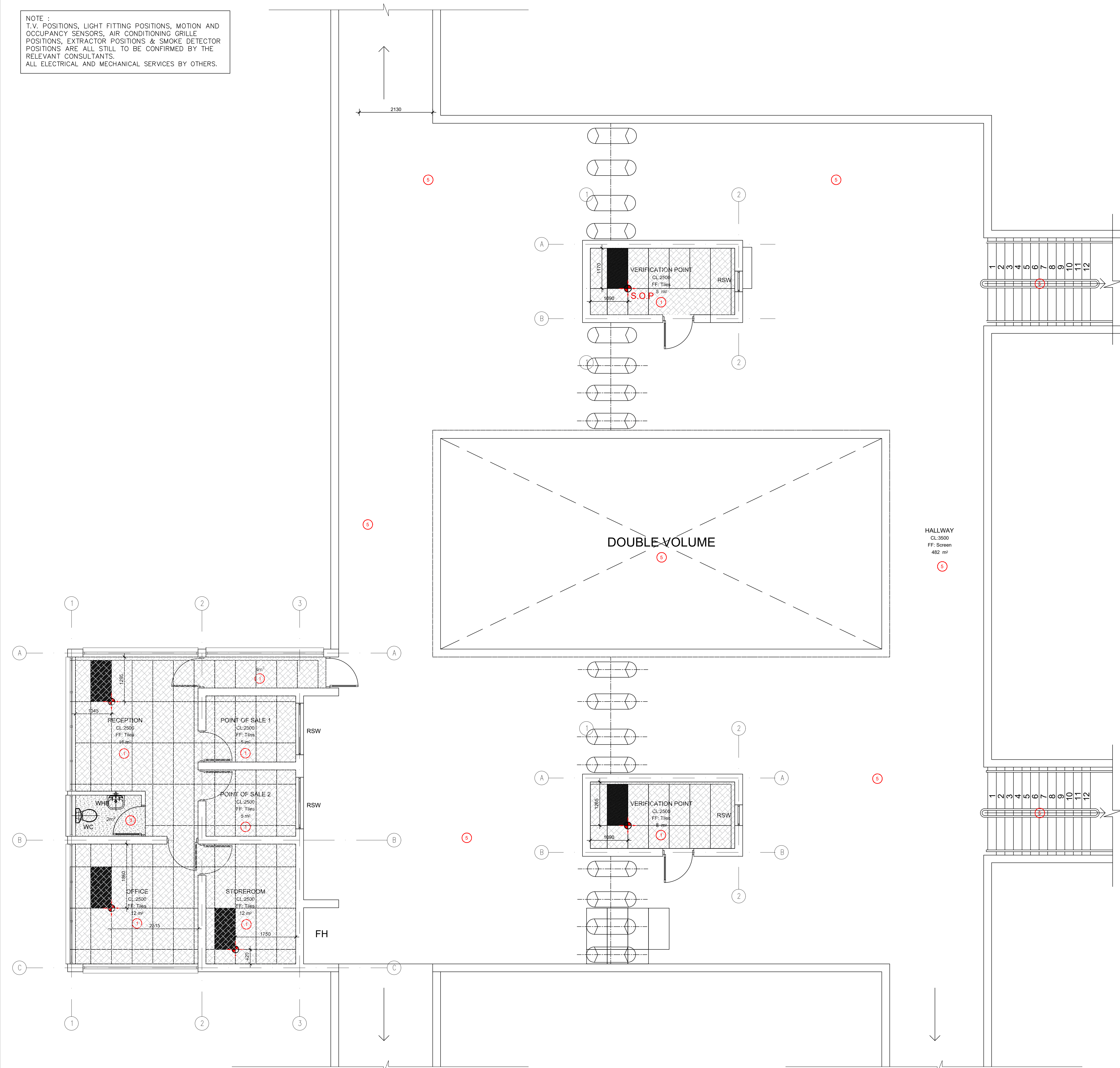
LODEMANN
EST. 2015

PRASA MAINTENANCE PLAN/
ADDITIONS & ALTERATIONS

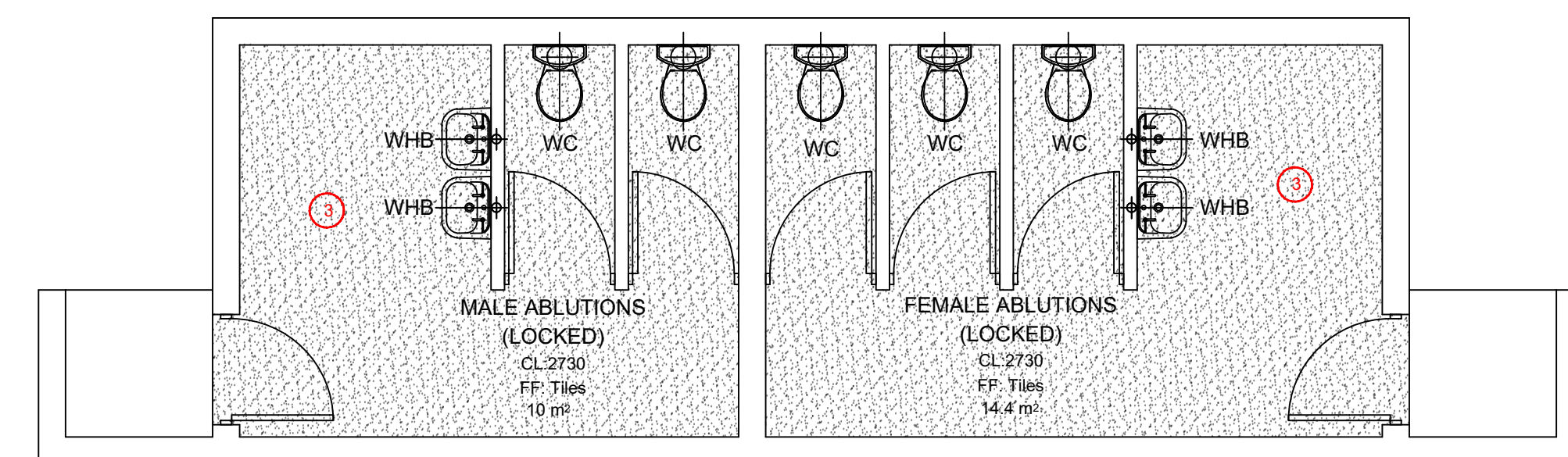
CONGELLA STATION
FLOOR FINISH LAYOUT

SCALE	DATE	Drawing Number	CLIENT Drawing Number	Rev.	Sheet size	Status
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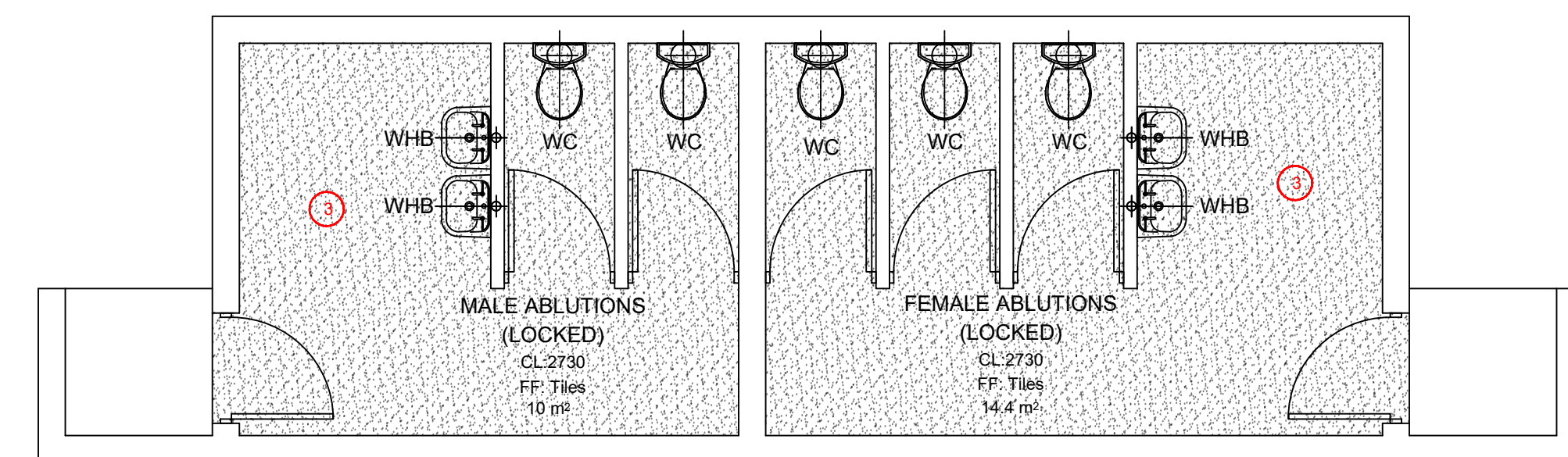
NOTE :
T.V. POSITIONS, LIGHT FITTING POSITIONS, MOTION AND
OCCUPANCY SENSORS, AIR CONDITIONING GRILLE
POSITIONS, EXTRACTOR POSITIONS & SMOKE DETECTOR
POSITIONS ARE ALL STILL TO BE CONFIRMED BY THE
RELEVANT CONSULTANTS.
ALL ELECTRICAL AND MECHANICAL SERVICES BY OTHERS.



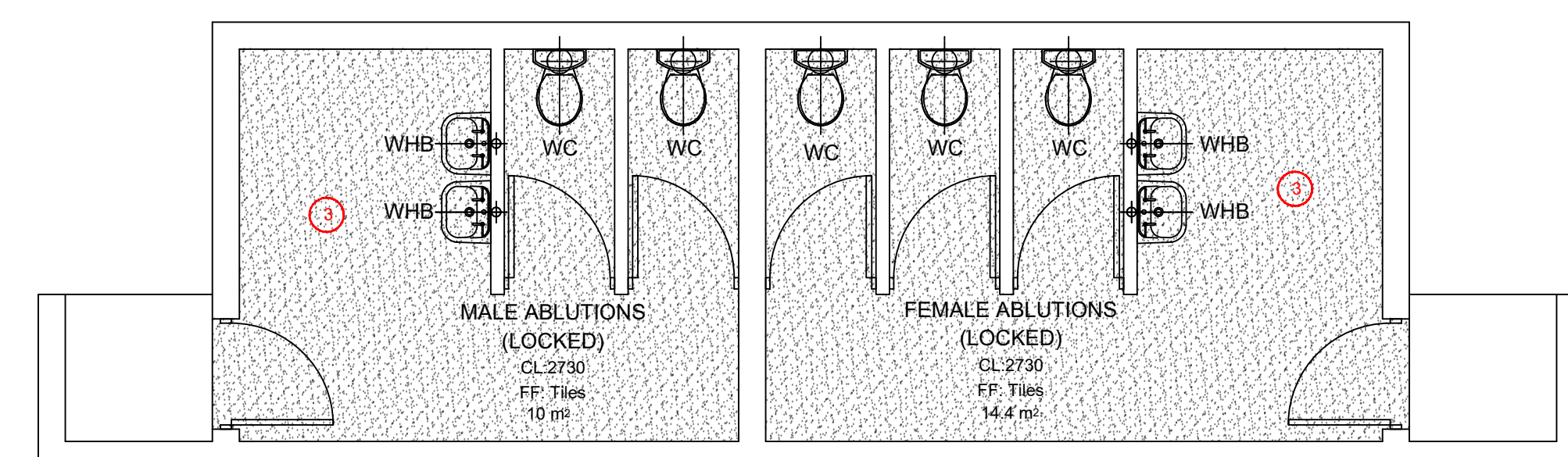
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SCALE 1:50
TOTAL AREA: 598m²



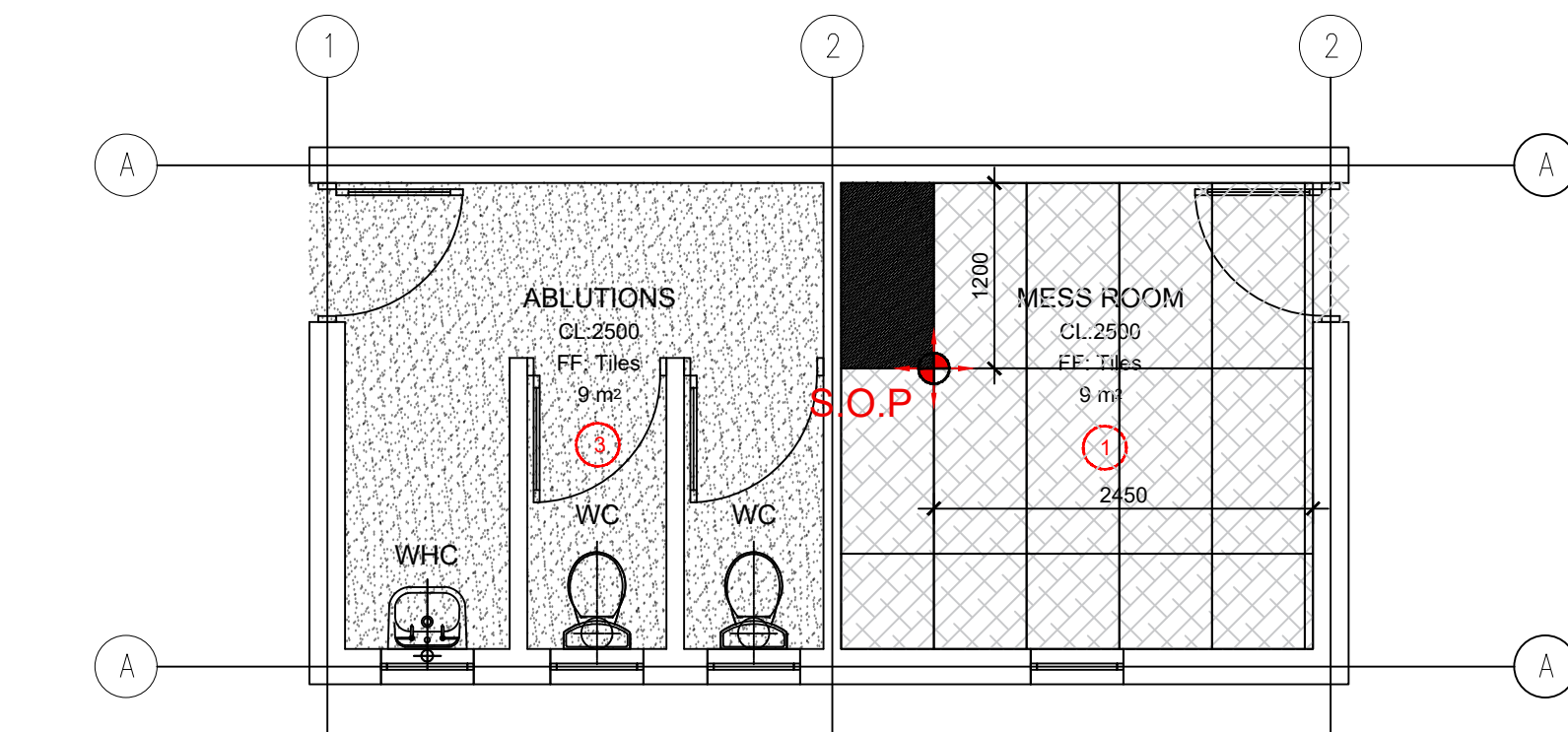
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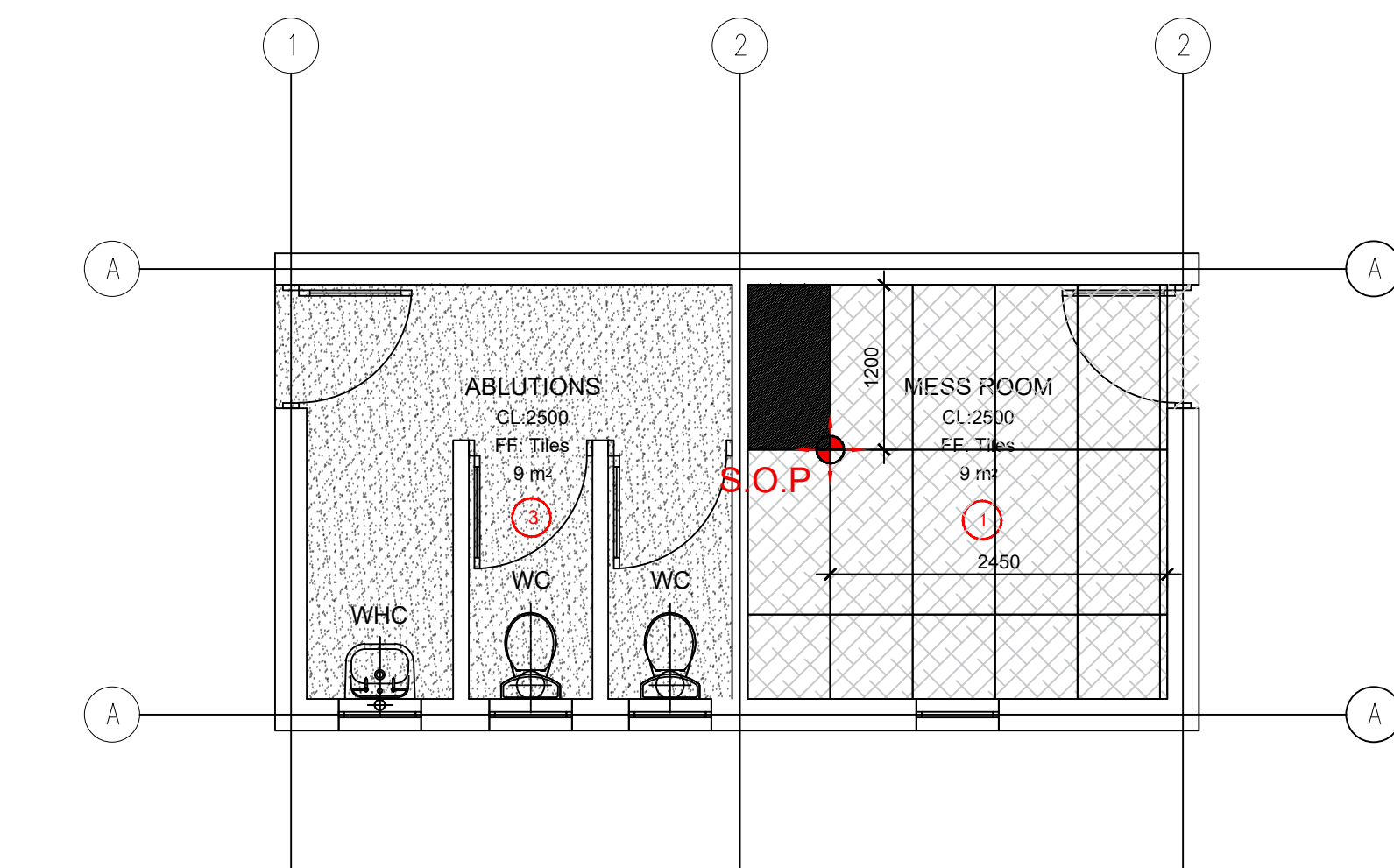
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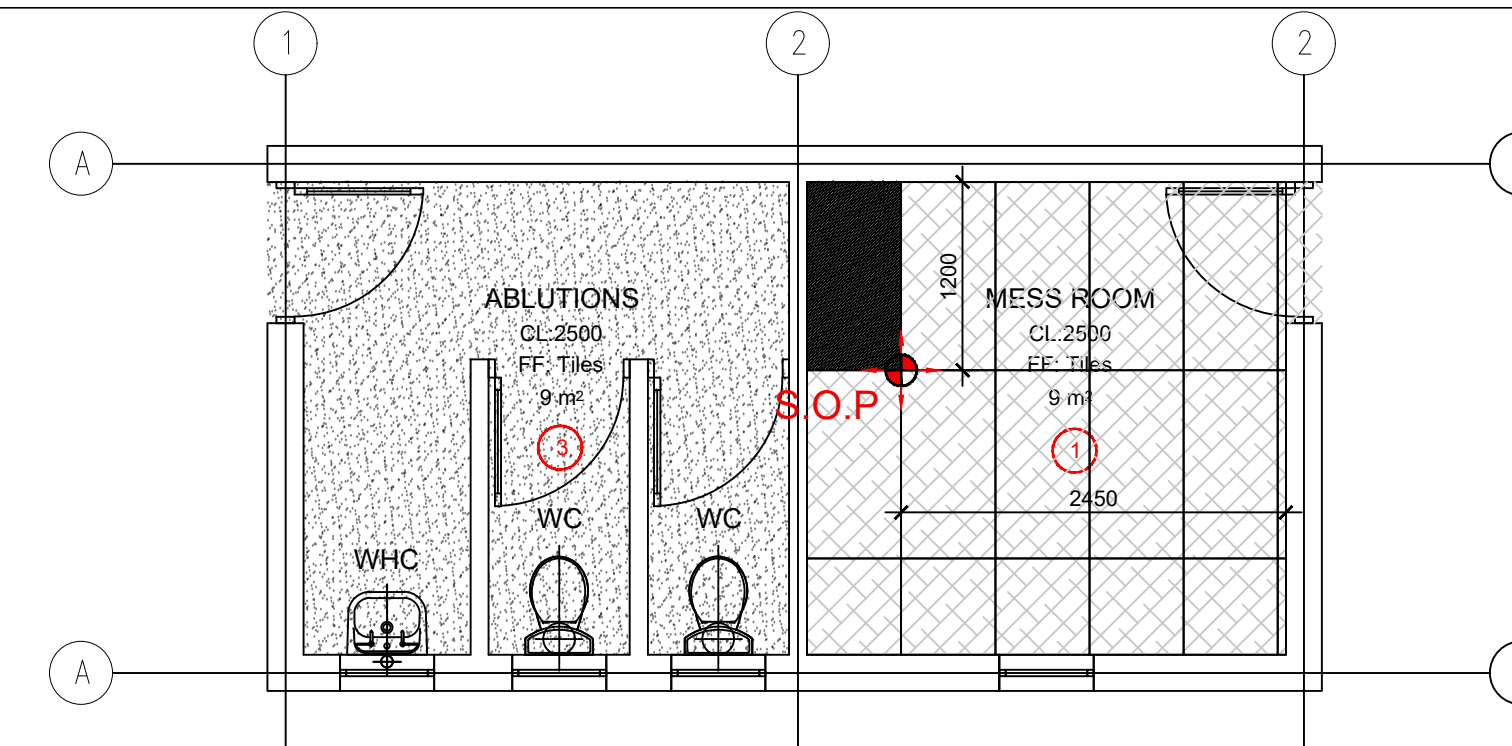
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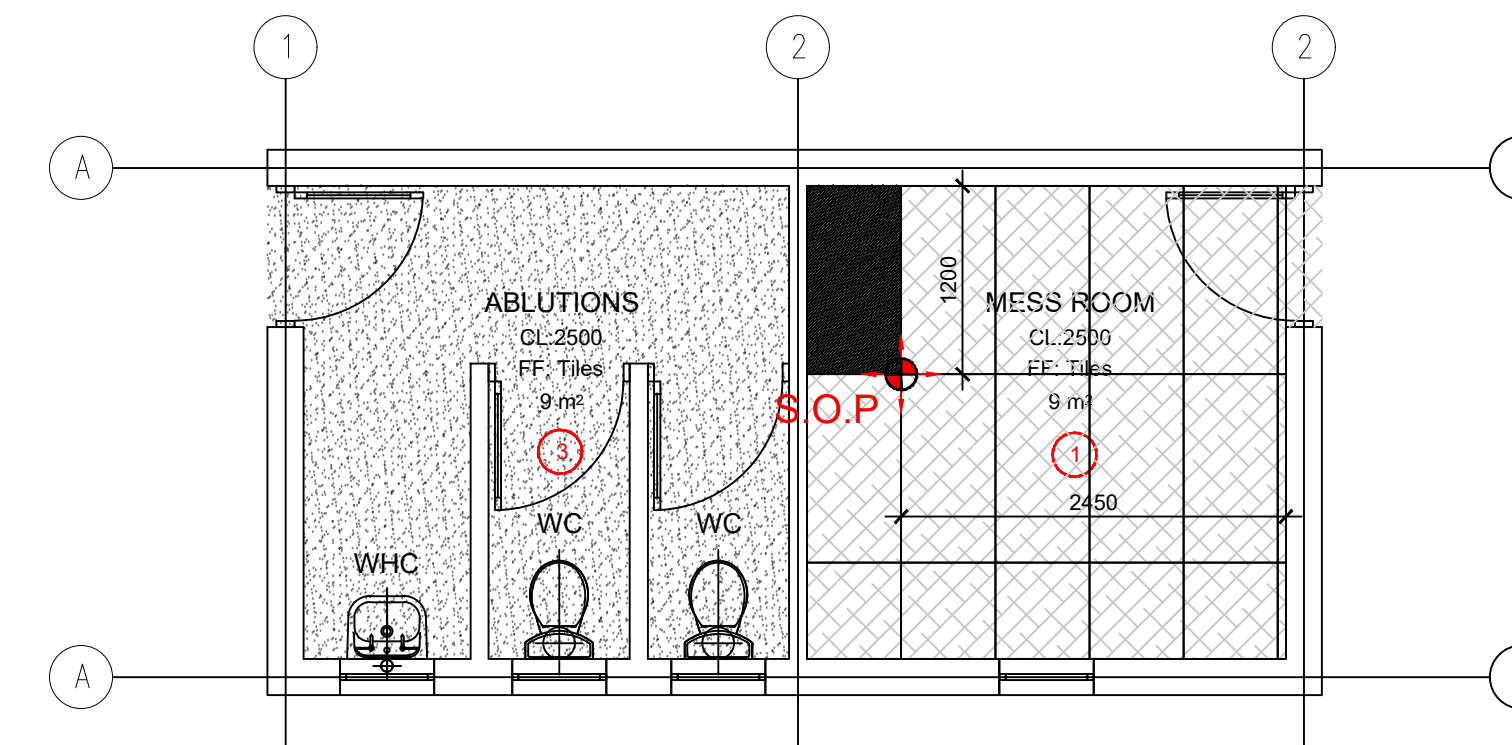
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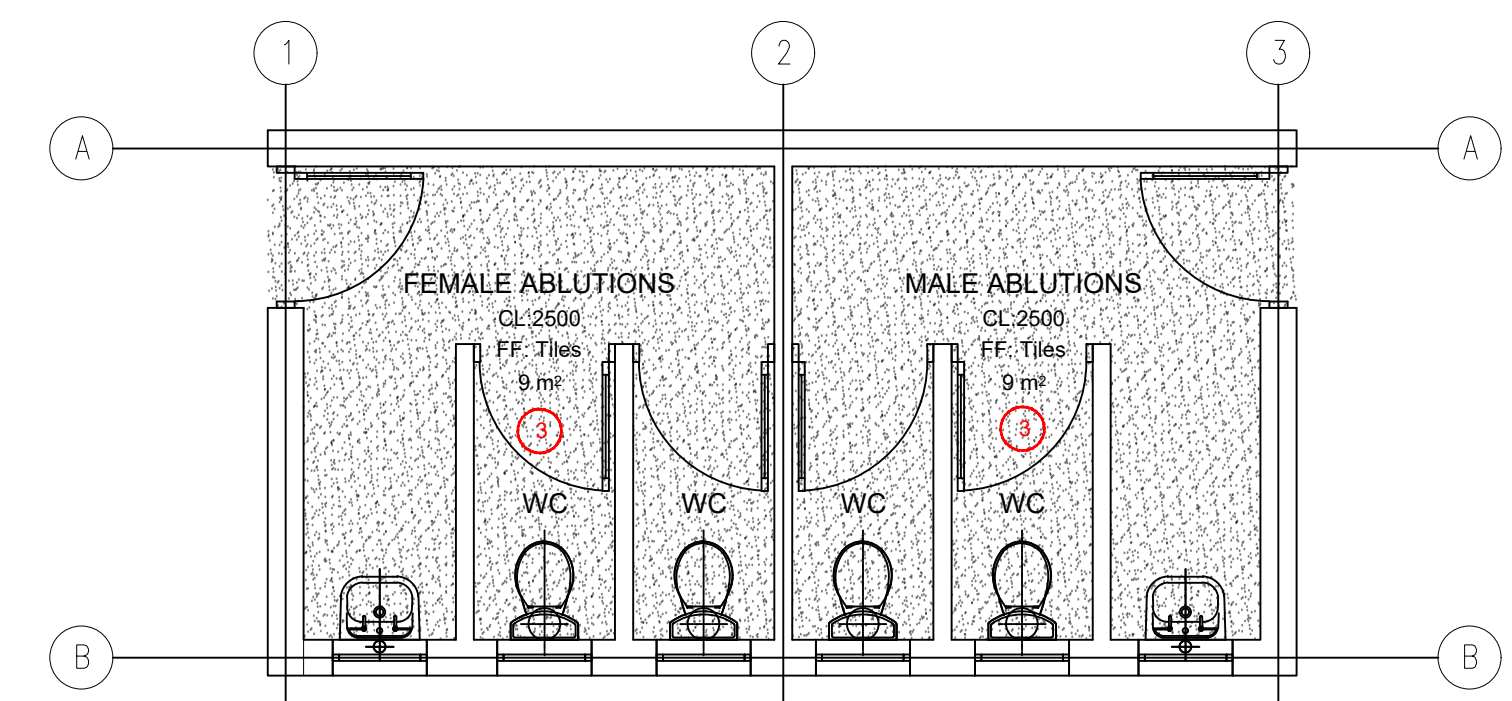
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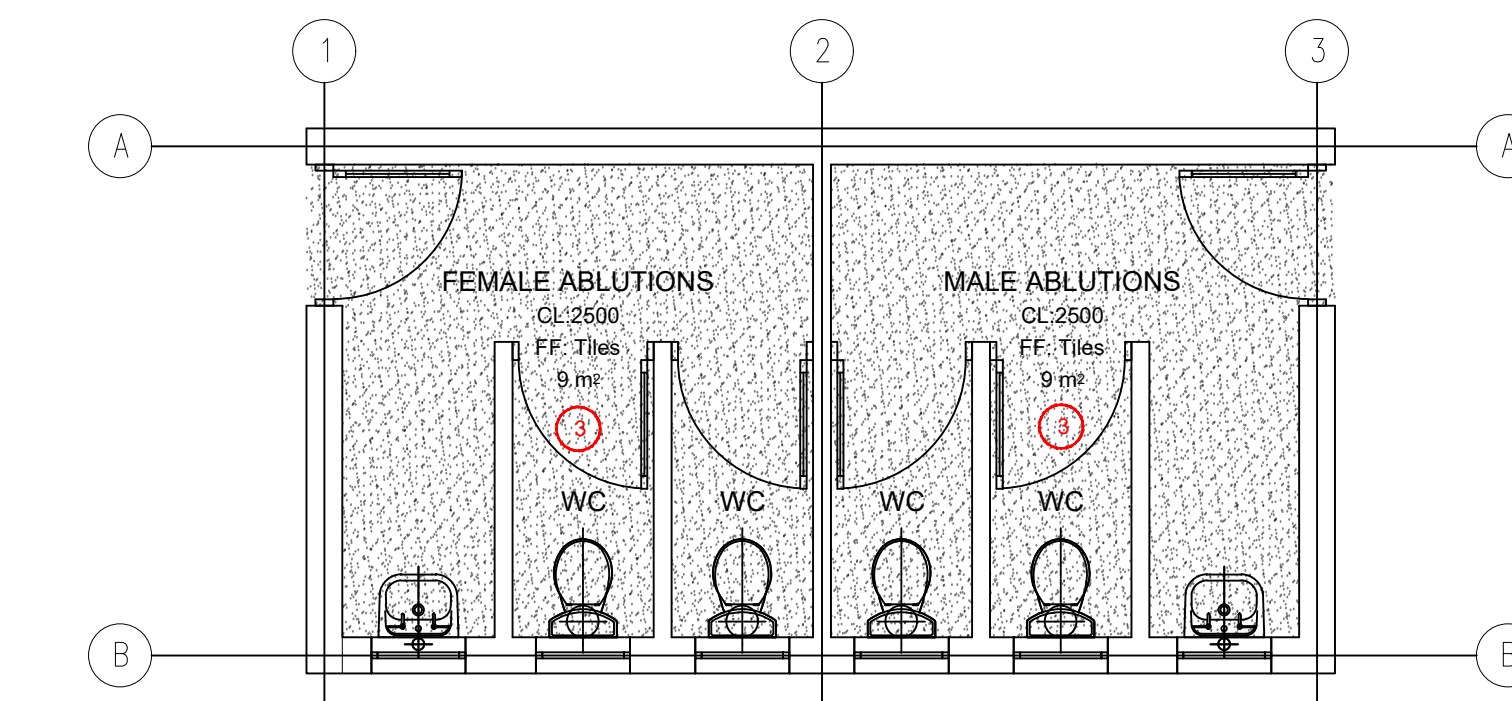
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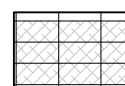




MESS ROOM 4
SCALE 1:50
TOTAL AREA:23 m²



ABLUTIONS 4
SCALE 1:50
TOTAL AREA: 23m²



ABLUTIONS 5
SCALE 1:50
TOTAL AREA: 23m²

CEILING TYPE		DESCRIPTION
1	 CEILING TILES - VINYL COATED	12.5MM VINYL FACED GYPSUM CEILING PANELS, FACE COVERED WITH WHITE EMBOSSED VINYL, SIZE 1200 X 600MM, LAID ON FIRE RATED CLG SYSTEM SX EXPOSED DEMOUNTABLE SUSPENSION SYSTEM INCLUDING GALVANISED MAIN TEES, CROSS TEES, ALL SUSPENDED WITH INSTALLED GALVANISED HANGERS AT CENTRES NOT EXCEEDING 1200MM, WITH CEILING PERIMETER FINISHED WITH SHADOWNINE W-TRIM PLUGGED AT 200MM CENTRES, AND ALL INSTALLED TO MANUFACTURERS' INSTRUCTIONS.
2	 SKIMMED CEILING - INTERNAL COLOUR: WHITE See PRASA 2.1.8 2.1.3. Color spec, section P, P.11	ONE LAYER OF 9.5mm FLUSH PLASTER GYPSUM OR MAGNA BOARD CEILING (OR SIMILAR APPROVED), APPLY RHINO TAPE TO ALL JOINTS AND SKIM THE CEILING USING SIMILAR APPROVED RHINOLITE. CEILING GRID TO BE 1200 C/C. FIXED TO CONCEALED SUSPENDED TEE SYSTEM, SKIMMED AND PREPARED TO RECEIVE 2 COATS QUALITY PVA PAINT. ALL IN STRICT ACCORDANCE WITH MANUFACTURERS SPECIFICATION & REQUIREMENTS.
3	 SKIMMED CEILING - ABLUTIONS COLOUR: WHITE See PRASA 2.1.8 2.1.3. Color spec, section P, P.11	ONE LAYER OF 12mm FLUSH PLASTER GYPSUM OR MAGNA BOARD CEILING (OR SIMILAR APPROVED), APPLY RHINO TAPE TO ALL JOINTS AND SKIM THE CEILING USING SIMILAR APPROVED RHINOLITE. CEILING GRID TO BE 1200 C/C. FIXED TO CONCEALED SUSPENDED TEE SYSTEM, SKIMMED AND PREPARED TO RECEIVE 2 COATS QUALITY PVA PAINT. ALL IN STRICT ACCORDANCE WITH MANUFACTURERS SPECIFICATION & REQUIREMENTS.
4	 CONCRETE SLAB	REMOVE ALL LOOSE PAINT, SURFACE CONTAMINANTS, FRAGILE MATERIALS, REMOVE ANY MUST RELEASE AGENT USING CLEAN WATER, LEAVING SURFACE CLEAN, DRY AND DUST FREE. CONCRETE SOFFITS TO BE PAINTED, RIPPED PAINT TEXTURE, 10MM SMOOTH PLASTER TO UNDERSIDE OF SOFFIT + PAINTED, PRIME SURFACE WITH ONE COAT PROFESSIONAL PLASTER PRIMER WITH AN OVERCOATING TIME OF 08 HOURS AND FINISH WITH TWO COATS OF SOFFIT PAINT WITH AN OVERCOATING TIME OF 4 HOURS. ALL IN STRICT SPECIFICATIONS AS PER DATA SHEETS WHICH MAY BE PROVIDED ON REQUEST, IN ACCORDANCE WITH PREFERRED MANUFACTURERS.
5	 NO CEILING	NO CEILING.

GENERAL NOTES:

1. THIS DRAWINGS SHOULD BE READ IN CONJUNCTION WITH ARCHITECTS' DRAWINGS.
2. ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECK ON SITE BEFORE WORK PUT ON HAND.
3. REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER.
4. THIS DRAWING MUST NOT BE USED TO SCALE OFF. USE ONLY WRITTEN DIMENSIONS. CONTACT THE ENGINEER OR ARCHITECT WHERE CLARITY IS SOUGHT.
5. FOR SETTING OUT DATA, SETTING OUT POINTS AND DATUM LEVELS REFER TO SURVEY INFORMATION AND ARCHITECTS' DRAWINGS.
6. STRUCTURAL WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.N.S. SPECIFICATIONS. ALL CONCRETE WORKS IS TO BE DONE IN ACCORDANCE WITH S.A.N.S 1200G AND EARTHWORKS IN ACCORDANCE WITH S.A.N.S 1200D.
7. CONSULT RELEVANT ARCHITECTS, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLET, RWOPS AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.

[illegible]

MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWING	E. MGUZUMABANE	22/07/2022
CHECKED		
ENG. COORD		
ARCHITECT	M. MADIBA	22/07/2022
ELEC. ENG.		
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME		DATE
SIGNATURE		
REG. NUMBER		

PRASA MAINTENANCE PLAN/
ADDITIONS & ALTERATIONS

CONGELLA STATION

SCALE :	DATE	Drawing Number	CLIENT Drawing Number	Rev.	Sheet size	Status.
1:50	05-09-22	1040-002-13-0005		1	A0	ISSUED FOR

DOOR SCHEDULE

<div> <div>TP-01</div> <div> <div>ISSUE FOR INFORMATION</div> <div> <div>BY ELECTRICAL CONSULTANT CONNECTED TO -</div> <div> <div>ACCESS CONTROL</div> <div>PIR DETECTION SYSTEM</div> </div> </div> </div> <div> </div> <div> <div>DOOR NOTES</div> <div> <div>ALL DOOR SIZES ARE DESIGN, SUPPLY AND FINISH.</div> <div>REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.</div> <div>BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS.</div> <div>ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.</div> <div>ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAN WATER AND DRIED THOROUGHLY.</div> <div>ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.</div> <div>ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.</div> </div> </div> <div> <div>LOCATION</div> <div>ADMINISTRATION OFFICES ENTRANCE</div> <div>QUANTITY</div> <div>2</div> <div>TYPE</div> <div>DOOR: 900x2032x44mm ALUMINUM FRAMED SOLID DOOR</div> <div>FINISH</div> <div>PRIMED & PAINTED WITH 2 COATS PLASCON VIELVAGLO APPLIED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATION. COLOR: T.B.C</div> <div>GLAZING</div> <div>300x300mm GLASS VIEWING PANELS WITH ALUMINUM FRAMES AND RUBBER GASKETS.</div> <div>IRON MONGERY</div> <div>IRONMONGERY SCHEDULE BY SPECIALIST. 2 No. 'BLDWARE' FLOOR MOUNTED DOOR HOLD OPEN CHAIN. CODE: B2387. SIZE: 150x107mm. SATIN CHROME FINISH. 2 No. TORMAX TTS1500 DOOR CLOSER WITH SLIDE CHANNEL. 2 No. 1020MM HOWICK HINGERS 125x27mm N.A. ALUMINUM PULL HANDLE (CENTRE MOUNTED) ON 300x100x3mm N.A. BACKPLATE. 15 PAIRS HOWICK HINGERS 100x17mm BRASS BUTT HINGES WITH DOUBLE NYLON WASHERS PER LEAF.</div> <div>DOOR & FRAME DESCRIPTION</div> <div>HEAVY DUTY ANTI BANDIT TIMBER DOOR, WITH GMS (COASTAL) & MS (INLAND) PRESSED METAL FRAME TO SUITE DOOR & WALL. PRIMED & PAINTED WITH 2 COATS</div> </div></div>	<div> <div>TP-02</div> <div> <div>ISSUE FOR INFORMATION</div> <div> <div>BY ELECTRICAL CONSULTANT CONNECTED TO -</div> <div> <div>ACCESS CONTROL</div> <div>PIR DETECTION SYSTEM</div> </div> </div> </div> <div> </div> <div> <div>DOOR NOTES</div> <div> <div>ALL DOOR SIZES ARE DESIGN, SUPPLY AND FINISH.</div> <div>REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.</div> <div>BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS.</div> <div>ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.</div> <div>ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAN WATER AND DRIED THOROUGHLY.</div> <div>ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.</div> <div>ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.</div> </div> </div> <div> <div>LOCATION</div> <div>OFFICE ABILUTIONS</div> <div>QUANTITY</div> <div>1</div> <div>TYPE</div> <div>DOOR: 900mm WIDE x 2100mm HIGH ALUMINUM FRAME</div> <div>FINISH</div> <div>WOOD TO BE SEALED WITH LINSEED OIL OR OTHER RECOMMENDED SEALANTS BY MANUFACTURER AND TO BE PAINTED TO ARCHITECT SPEC. APPROVED BY CLIENT.</div> <div>GLAZING</div> <div>N/A</div> <div>IRON MONGERY</div> <div>IRONMONGERY SCHEDULE BY SPECIALIST. IN ACCORDANCE TO PRASA BLUE PRINT/ LOCK KNOB AND INDICATOR</div> <div>DOOR & FRAME DESCRIPTION</div> <div>2100mm x 2100mm SEMI SOLID TIMBER DOOR SIDES AND CONCEALED EDGES TO SUIT OPENING. DOOR TO BE FITTED WITH 3 x HINGES PER LEAF ALL TO SPECIALIST DETAILS. COLOUR OF THE DOOR AND FRAME TO ARCHITECTS SPECIALIST.</div> </div></div>	<div> <div>TP-03</div> <div> <div>ISSUE FOR INFORMATION</div> <div> <div>BY ELECTRICAL CONSULTANT CONNECTED TO -</div> <div> <div>ACCESS CONTROL</div> <div>PIR DETECTION SYSTEM</div> </div> </div> </div> <div> </div> <div> <div>DOOR NOTES</div> <div> <div>ALL DOOR SIZES ARE DESIGN, SUPPLY AND FINISH.</div> <div>REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.</div> <div>BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS.</div> <div>ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.</div> <div>ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAN WATER AND DRIED THOROUGHLY.</div> <div>ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.</div> <div>ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.</div> </div> </div> <div> <div>LOCATION</div> <div>REFER TO REFERENCE PLAN</div> <div>QUANTITY</div> <div>5</div> <div>TYPE</div> <div>DOOR: 900mm WIDE x 2100mm HIGH STEEL FRAMED DOOR</div> <div>FINISH</div> <div>WOOD TO BE SEALED WITH LINSEED OIL OR OTHER RECOMMENDED SEALANTS BY MANUFACTURER AND TO BE PAINTED TO ARCHITECT SPEC. APPROVED BY CLIENT.</div> <div>GLAZING</div> <div>NONE</div> <div>IRON MONGERY</div> <div>IRONMONGERY SCHEDULE BY SPECIALIST. IN ACCORDANCE TO PRASA BLUE PRINT/ LOCK SET AND OPENING LEAF DOOR HANDLE</div> <div>DOOR & FRAME DESCRIPTION</div> <div>900mm x 2100mm SOLID TIMBER DOOR SIDES AND CONCEALED EDGES TO SUIT OPENING. DOOR TO BE FITTED WITH 3 x HINGES PER LEAF ALL TO SPECIALIST DETAILS. COLOUR OF THE DOOR AND FRAME TO ARCHITECT'S SPECIALIST.</div> </div></div>	<div> <div>TP-04</div> <div> <div>ISSUE FOR INFORMATION</div> <div> <div>BY ELECTRICAL CONSULTANT CONNECTED TO -</div> <div> <div>ACCESS CONTROL</div> <div>PIR DETECTION SYSTEM</div> </div> </div> </div> <div> </div> <div> <div>DOOR NOTES</div> <div> <div>ALL DOOR SIZES ARE DESIGN, SUPPLY AND FINISH.</div> <div>REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.</div> <div>BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS.</div> <div>ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.</div> <div>ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAN WATER AND DRIED THOROUGHLY.</div> <div>ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.</div> <div>ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.</div> </div> </div> <div> <div>LOCATION</div> <div>TICKET OFFICES</div> <div>QUANTITY</div> <div>1</div> <div>TYPE</div> <div>DOOR: 900x2032x44mm ALUMINUM FRAMED SOLID DOOR</div> <div>FINISH</div> <div>PRIMED & PAINTED WITH 2 COATS PLASCON VIELVAGLO APPLIED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATION. COLOR: T.B.C</div> <div>GLAZING</div> <div>NONE</div> <div>IRON MONGERY</div> <div>IRONMONGERY SCHEDULE BY SPECIALIST. 2 No. 'BLDWARE' FLOOR MOUNTED DOOR HOLD OPEN CHAIN. CODE: B2387. SIZE: 150x107mm. SATIN CHROME FINISH. 2 No. TORMAX TTS1500 DOOR CLOSER WITH SLIDE CHANNEL. 125x27mm N.A. ALUMINUM PULL HANDLE (CENTRE MOUNTED) ON 300x100x3mm N.A. BACKPLATE. 15 PAIRS HOWICK HINGERS 100x17mm BRASS BUTT HINGES WITH DOUBLE NYLON WASHERS PER LEAF.</div> <div>DOOR & FRAME DESCRIPTION</div> <div>HEAVY DUTY ANTI BANDIT TIMBER DOOR, WITH GMS (COASTAL) & MS (INLAND) PRESSED METAL FRAME TO SUITE DOOR & WALL. PRIMED & PAINTED WITH 2 COATS</div> </div></div>	<div> <div>TP-05</div> <div> <div>ISSUE FOR INFORMATION</div> <div> <div>BY ELECTRICAL CONSULTANT CONNECTED TO -</div> <div> <div>ACCESS CONTROL</div> <div>PIR DETECTION SYSTEM</div> </div> </div> </div> <div> </div> <div> <div>DOOR NOTES</div> <div> <div>ALL DOOR SIZES ARE DESIGN, SUPPLY AND FINISH.</div> <div>REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.</div> <div>BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS.</div> <div>ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.</div> <div>ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAN WATER AND DRIED THOROUGHLY.</div> <div>ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.</div> <div>ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.</div> </div> </div> <div> <div>LOCATION</div> <div>PUBLIC ABILUTIONS</div> <div>QUANTITY</div> <div>5</div> <div>TYPE</div> <div>DOOR: 800mm WIDE x 2100mm HIGH ALUMINUM FRAMED SOLID DOOR</div> <div>FINISH</div> <div>75mm 1.3mm GALVANIZED SLAT MATERIAL OR OTHER RECOMMENDED SLAT BY MANUFACTURER.</div> <div>GLAZING</div> <div>NONE</div> <div>IRON MONGERY</div> <div>IRONMONGERY SCHEDULE BY SPECIALIST. IN ACCORDANCE TO PRASA BLUE PRINT/ LOCK SET AND OPENING LEAF DOOR HANDLE</div> <div>DOOR & FRAME DESCRIPTION</div> <div>800mm x 2100mm GALVANISED AND EPOXY COATED MS STEEL DOOR SIDES AND CONCEALED EDGES TO SUIT OPENING. DOOR TO BE FITTED WITH 3 x HINGES PER LEAF ALL TO SPECIALIST DETAILS.</div> </div></div>
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DOOR SCHEDULE

TP-06

ISSUE FOR INFORMATION

DOOR NOTES

- ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXES.
- REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND
- BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND OR SHOP DRAWINGS ARE PUT IN HANDS
- ARCHITECT PROVIDES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY LIES WITH SUBCONTRACTOR.
- ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY.
- ALL DOORS MUST BE INSTALLED SQUARE, AND FLUMB.
- ALL DOOR FRAMES FOR POWER FLOATED TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB

LINTEL HEIGHT

LOCATION	MALE AND FEMALE CURBLES		
QUANTITY	1	TYPE	DOOR: 900mm WIDE x 2100mm HIGH ALUMINUM FRAME
FINISH	WOOD TO BE SEALED WITH UNISEAL OIL OR OTHER RECOMMENDED SEALANTS BY MANUFACTURE AND TO BE PAINTED TO ARCHITECT SPEC. APPROVED BY CLIENT.		
GLAZING	N/A		
IRON MONGERY	IRONMONGERY SCHEDULE BY SPECIALIST IN ACCORDANCE TO PRASA BLUE PRINT. LOCK KNOWN AND INDICATOR LOCK SET, OPERATING LEAF DOOR HANDLE, AND HINGES AS PER MANUFACTURER'S SPECIFICATIONS		
DOOR & FRAME DESCRIPTION	900mm x 2100mm SEMI-SOLID TIMBER DOOR SIDES AND CONCEALED EDGES TO SUIT OPERING DOOR TO BE FITTED WITH 1 x HINGES PER LEAF ALL TO SPECIALIST DETAILS. COLOUR OF THE DOOR AND FRAME TO ARCHITECT'S SPECIALIST.		

CONTRACT RESERVE COPY FOR RECORD IN CASE OF THE SCHEDULE VARIATION
 THIS DRAWING IS NOT TO BE USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF THE MANAGER OF THE MANUFACTURING COMPANY

DOOR NOTE:

- ALL EXISTING INTERNAL AND EXTERNAL DAMAGED STEEL AND TIMBER DOORS AND FRAMES TO BE REMOVED AND REPLACED WITH NEW FRAMES, WHERE NECESSARY, TO MATCH EXISTING. STRICTLY REFER TO ARCHITECTS BEFORE ANY DOOR FRAME REMOVAL.
- ALL NEW INTERNAL AND EXTERNAL STEEL DOOR FRAMES TO BE SANDED DOWN, TREATED AND PAINTED WITH PLASCON PROFESSIONAL GLOSS ENAMEL (PBS 1000) OR DULUX TRADE GLOSS ENAMEL PAINT, IN ACCORDANCE TO PRASA BLUE PRINT.
- ALL NEW ALUMINIUM DOOR FRAMES TO BE NATURAL ANODISED ALUMINIUM, IN ACCORDANCE TO PRASA BLUE PRINT.
- ALL EXISTING INTERNAL AND EXTERNAL TIMBER DOOR FRAMES TO BE SANDED DOWN & VARNISHED OR REPAINTED WITH TWO COATS OF QUALITY VARNISH AS PER HERITAGE REQUIREMENTS.
- PAINT ALL INTERNAL DOOR LEAFS TO BE PAINTED WITH PLASCON OR DULUX TRADE PEARLGLO EMULSION PAINT.
- PAINT ALL EXTERNAL DOOR LEAFS TO BE PAINTED WITH PLASCON PROFESSIONAL OR DULUX TRADE GLOSS ENAMEL PAINT.
- EXISTING SECURITY BANDIT GATES TO BE CLEANED AND REPAIRED. PROPOSE NEW GALVANIZED STEEL SECURITY GATES WHERE NECESSARY ACCORDING TO THE CLIENT.

GENERAL NOTES


1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS.
2. ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECK ON SITE BEFORE WORK PUT ON HAND.
3. REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER.
4. THIS DRAWING MUST NOT BE USED TO SCALE OFF. USE ONLY WRITTEN DIMENSIONS. CONTACT THE ENGINEER OR ARCHITECT WHERE CLARITY IS SOUGHT.
5. FOR SETTING OUT DATA, SETTING OUT POINTS AND DATUM LEVELS REFER TO SURVEY INFORMATION AND ARCHITECT'S DRAWINGS.
6. STRUCTURAL WORKS IS TO BE IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.N.'S SPECIFICATIONS. ALL CONCRETE WORKS IS TO BE DONE IN ACCORDANCE WITH S.A.N.S 1200G AND EARTHWORKS IS ACCORDANCE WITH S.A.N.S 1200D.
7. CONSULT RELEVANT ARCHITECTS, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLET, RWPDs AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.

[illegible]

 <p>prasa</p> <p>PASSENGER RAIL AGENCY OF SOUTH AFRICA</p>		
CLIENT		
TITLE	NAME	DATE

MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	E. MGUZUMABANE	22/07/2022
CHECKED		
ENG. COORD		
ARCHITECT	M. MADIBA	22/07/2022
ELEC. ENG.		
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		

APPROVED BY	
NAME	DATE
SIGNATURE	
REG. NUMBER	

		 <p>EST. 2015</p> <p>LODEMAN</p>				
<p>PRASA MAINTENANCE PLAN/ ADDITIONS & ALTERATIONS</p> <p>CONGELLA STATION DOOR SCHEDULE</p>						
SCALE	DATE	Drawing Number	CLIENT Drawing Number	Rev.	Sheet size	Status.
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[illegible][illegible]

- ALL EXISTING DAMAGED STEEL AND TIMBER WINDOWS AND FRAMES TO BE REMOVED AND REPLACED WITH NEW ALUMINUM FRAMES, TO MATCH EXISTING ALUMINUM FRAMES. COATED WITH MATT DARK UMBER GREY AN 3057.
- ALL EXISTING WINDOW STEEL FRAMES BEING RETAINED TO BE SANDED DOWN, TREATED AND PAINTED WITH PLASCON PROFESSIONAL GLOSS ENAMEL (PBS 1000) OR DULUX TRADE GLOSS ENAMEL PAINT, IN ACCORDANCE TO PRASA BLUE PRINT.
- ALL NEW ALUMINUM WINDOW FRAMES TO BE NATURAL ANODIZED ALUMINUM, IN ACCORDANCE TO PRASA BLUE PRINT.
- ALL EXISTING TIMBER WINDOW FRAMES TO BE SANDED DOWN & VARNISHED OR REPAINTED WITH TWO COATS OF QUALITY VARNISH AS PER HERITAGE REQUIREMENTS.
- ROLLER BLIND INSTALLED INTO THE TICKET SALES WINDOW, LOWERED DOWN INDICATES TICKET COUNTER NOT IN USE CURRENTLY.
- BULLET RESISTANT PAY / TRANSACTION WINDOWS INCLUDING SALES WINDOWS & INFORMATION DESKS.
- EXISTING EXTERIOR WINDOW SECURITY BANDIT BURGLAR GUARDS TO BE REFURBISHED. ALL DAMAGED TO BE REMOVED AND REPLACED WITH SIMILAR APPROVED.

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS.
2. ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECK ON SITE BEFORE WORK PUT ON HAND.
3. REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER.
4. THIS DRAWING MUST NOT BE USED TO SCALE OFF. USE ONLY WRITTEN DIMENSIONS. CONTACT THE ENGINEER OR ARCHITECT WHERE CLARITY IS SOUGHT.
5. FOR SETTING OUT DATA, SETTING OUT POINTS AND DATUM LEVELS REFER TO SURVEY INFORMATION.
6. STRUCTURAL WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.N.S SPECIFICATIONS. ALL CONCRETE WORKS IS TO BE DONE IN ACCORDANCE WITH S.A.N.S 1200G AND EARTHWORKS IS ACCORDANCE WITH S.A.N.S 1200D.
7. CONSULT RELEVANT ARCHITECT'S, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLET, RVPDS AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.

[illegible]

MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	E. MGUZUMABANE	22/07/2022
CHECKED		
ENG. COORD		
ARCHITECT	M. MADIBA	22/07/2022
ELEC. ENG.		
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		

APPROVED BY	
NAME	DATE
SIGNATURE	
REG. NUMBER	



CONGELLA STATION WINDOW SCHEDULE

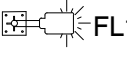







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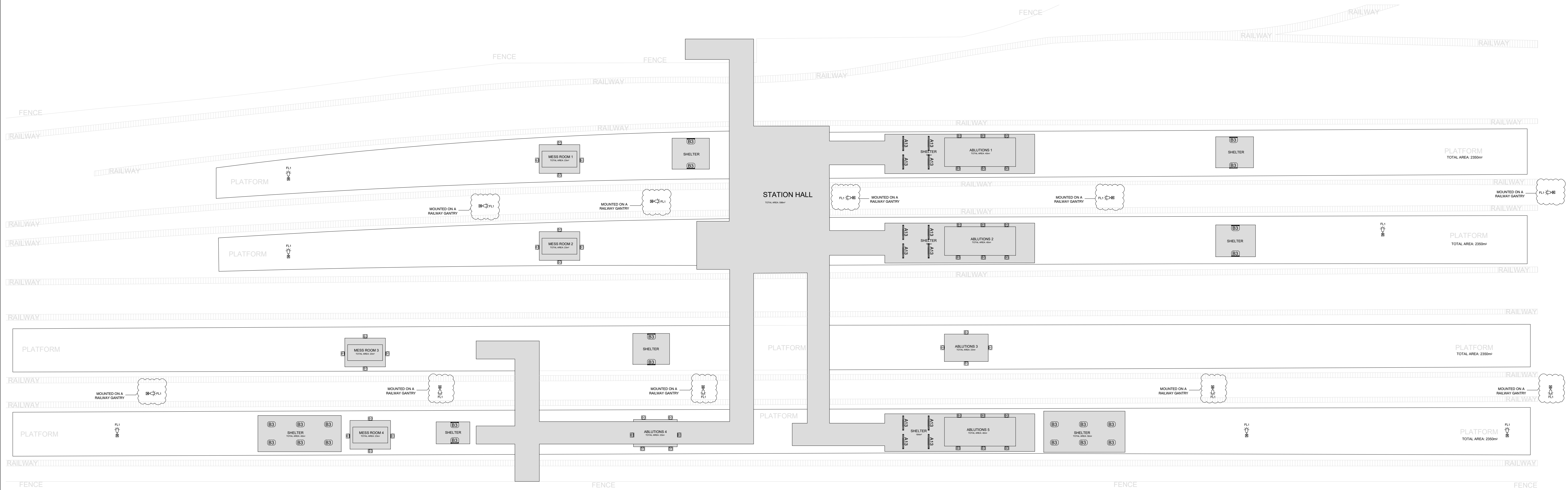
	QUALITY MANAGEMENT SYSTEM
DRAWING REGISTER	
	FILING

Project Title	UMLAZI SUB CORRIDOR 1 - STATION IMPROVEMENT PROGRAMME - CONGELLA STATION	Project Number	1040-002-13
Client	PRASA	Date	30/09/2022
Consultant	LODEMANN	Date	
Contractor		Date	

Drawing No.	Client / Vendor Drg. No	Status of Document/ Drawing	Rev No.	Paper Size	Quantity	Date Rec:	Description	Transmittal number
ELECTRICAL								
1040-002-13-3000	N/A	ISSUED FOR TENDER	1	A1	1		GROUND STOREY PLANS: PLATFORMS LIGHTING LAYOUT	
1040-002-13-3001	N/A	ISSUED FOR TENDER	1	A1	1		ABLUTIONS AND MESS ROOMS LIGHTING LAYOUT	
1040-002-13-3002	N/A	ISSUED FOR TENDER	1	A3	1		DB-A1 SINGLE LINE DIAGRAM	
1040-002-13-3003	N/A	ISSUED FOR TENDER	1	A3	1		KIOSK 1 SINGLE LINE DIAGRAM	
1040-002-13-3004	N/A	ISSUED FOR TENDER	1	A3	1		KIOSK 2 SINGLE LINE DIAGRAM	

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LEGEND:	
 FL1	TYPE FL1: 180W/ ±27 000 LUMEN LED (4000K) STREETLIGHT RATED IP66 WITH POWDER COATING AS PER SPECIFICATION
A13	TYPE A13 RATED IP65, 30W/ ±4440 LUMEN (4000K) ROUGH-GUARD WEATHER-PROOF LUMINAIRE: GRP BODY AND ACRYLIC DIFFUSER, WITH 50 000 HOURS LIFESPAN - WALL MOUNTED
 B1	TYPE B1 RATED IP65 HIGH PRESSURE DIE CAST ALUMINIUM BASE AND TRIM RING 20W/ ±2600 LUMEN LED (4000K) BULKHEAD LUMINAIRE WITH AN OPAL HIGH-IMPACT ACRYLIC DIFFUSER WITH 50 000 HOURS LIFESPAN. SURFACE MOUNTED
 B1	TYPE B1 RATED IP65 HIGH PRESSURE DIE CAST ALUMINIUM BASE AND TRIM RING 20W/ ±2600 LUMEN LED (4000K) BULKHEAD LUMINAIRE WITH AN OPAL HIGH-IMPACT ACRYLIC DIFFUSER WITH 50 000 HOURS LIFESPAN. WALL MOUNTED WITH STEEL CAGE
B3	TYPE B3 RATED IP65 HIGH PRESSURE DIE CAST ALUMINIUM BASE AND TRIM RING 20W/ ±4370 LUMEN LED (4000K) BULKHEAD LUMINAIRE WITH AN OPAL HIGH-IMPACT ACRYLIC DIFFUSER WITH 50 000 HOURS LIFESPAN, WITH WIREGUARD - WALL MOUNTED
 C4	TYPE C4 144W/ ±20869 LUMEN LED (4000K) LOW BAYS, RATED IP65 WITH POWDER COATING AS PER SPECIFICATION
 1L 1W	1 LEVER 1 WAY LIGHT SWITCH ON A 100mmx50mm STEEL DRAW BOX MOUNTED 1400mm A.F.F.L
 PHOTO	PHOTO - ELECTRIC CELL MOUNTED 2400mm A.F.F.L
	DISTRIBUTION BOARD
 K1	KIOSK



GROUND STOREY PLAN: PLATFORMS

GENERAL NOTES:

- ELECTRICAL INSTALLATION TO COMPLY WITH SANS 10142-1 AS AMENDED.
- CONTRACTORS TO USE EXISTING CIRCUITING. CONTRACTORS TO RETAIN EXISTING CABLES AND CONDUCTORS WHERE APPLICABLE. NEW CABLE AND CONDUCTOR SHALL BE INSTALLED UPON ENGINEERS APPROVAL.
- CONTRACTORS TO REPLACE LIGHT FITTINGS AS PER SPECIFICATION.
- CONTRACTOR TO PROVIDE UNIVERSAL ELECTRICAL LOCK ON ALL KIOSK AND DB'S.

DRAWING NO.	REFERENCE
REFERENCE DRAWINGS	

1.	ISSUED FOR TENDER	LM	TM	MM	16-09-2022
NO.	DESCRIPTION	BY	CHKD	APPD	DATE
REVISIONS / ISSUE AUTHORIZATION					
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CLIENT LOGO



CLIENT

TITLE	NAME	DATE

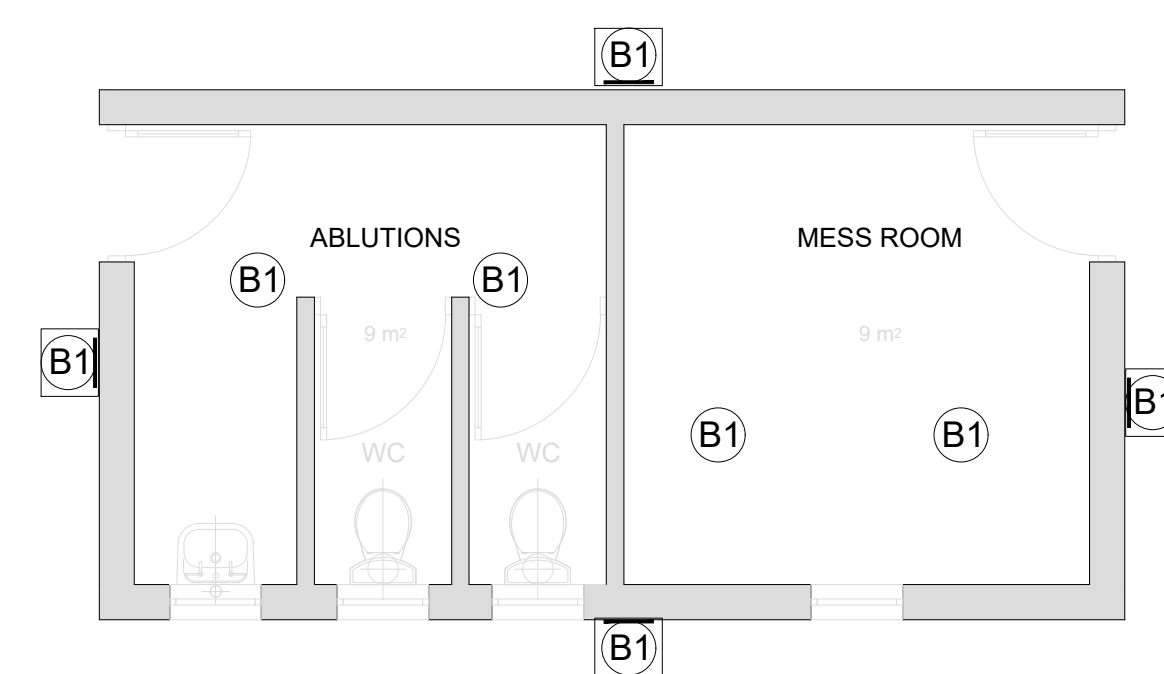
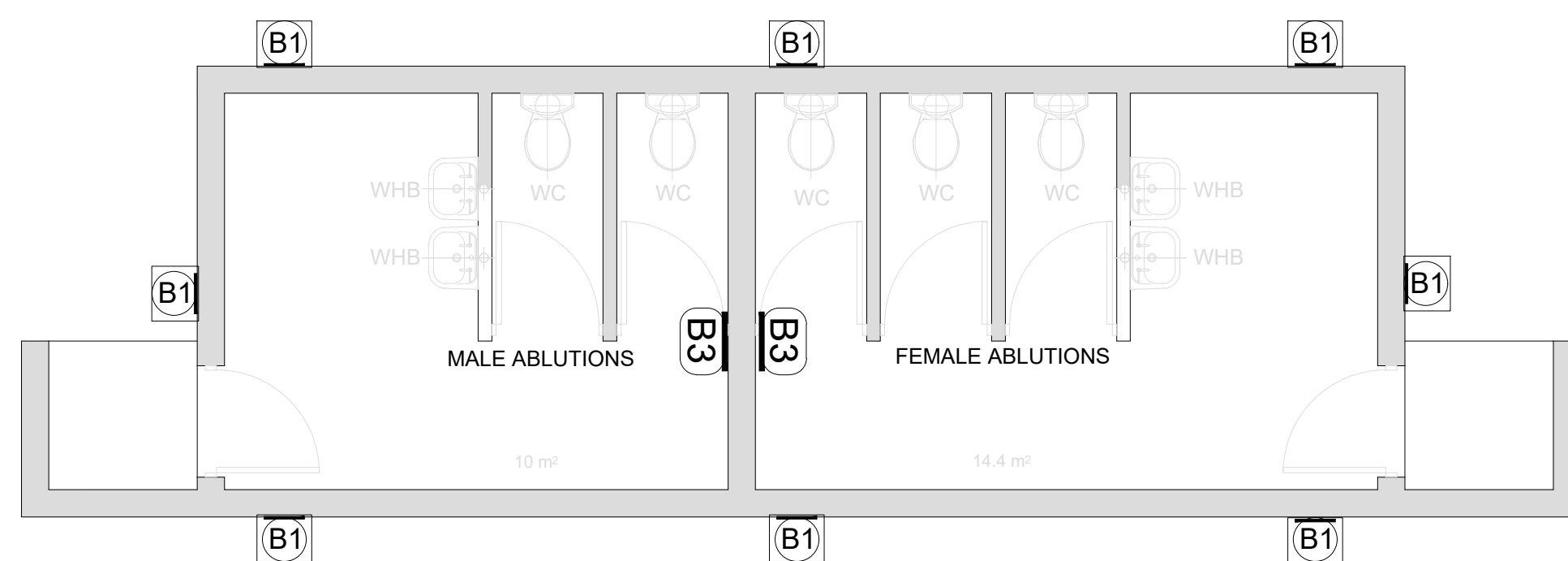
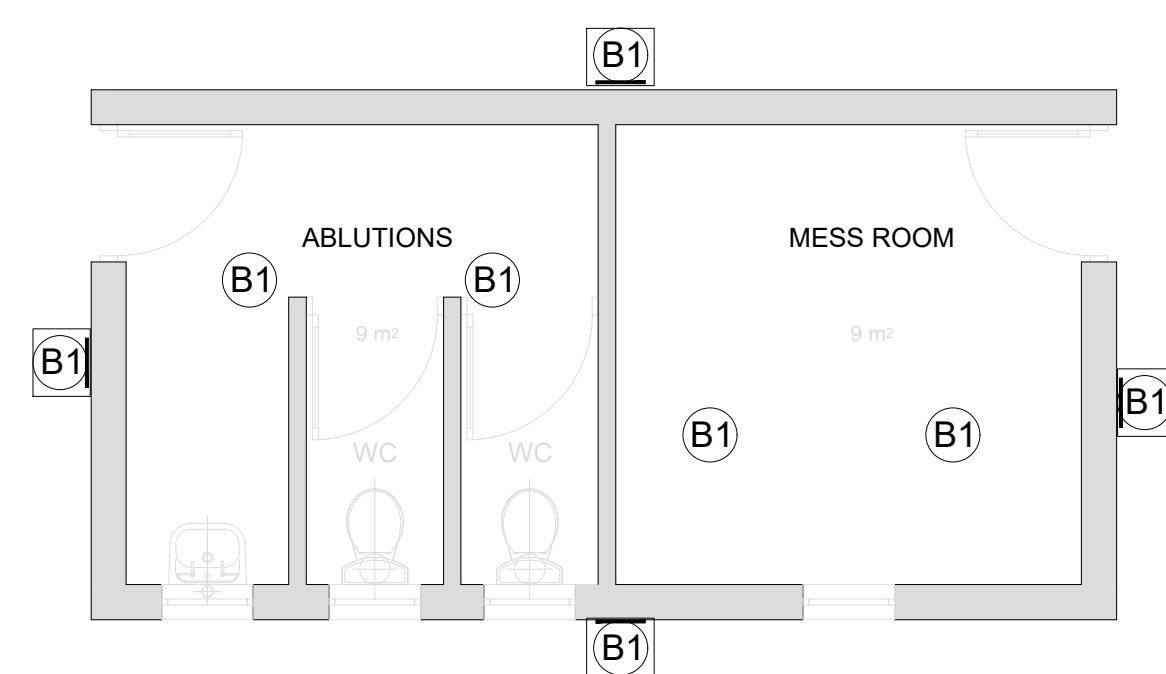
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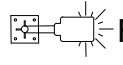

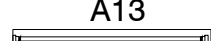







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ELEC. ENG.	T. MBATHA	
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STRUCT. ENG.		
CIVIL. ENG.		
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PROC. ENG.		
APPROVED BY		
NAME	M. MADIBA	DATE
SIGNATURE		
REG. NUMBER	D/2404/2017	

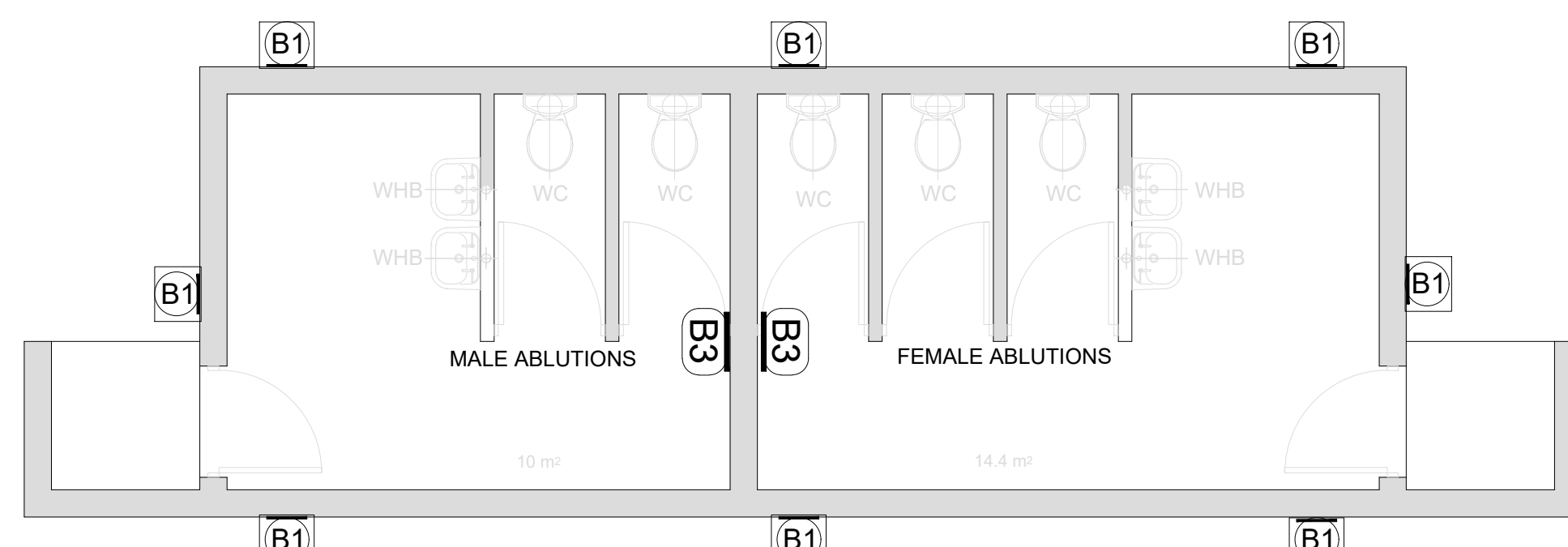
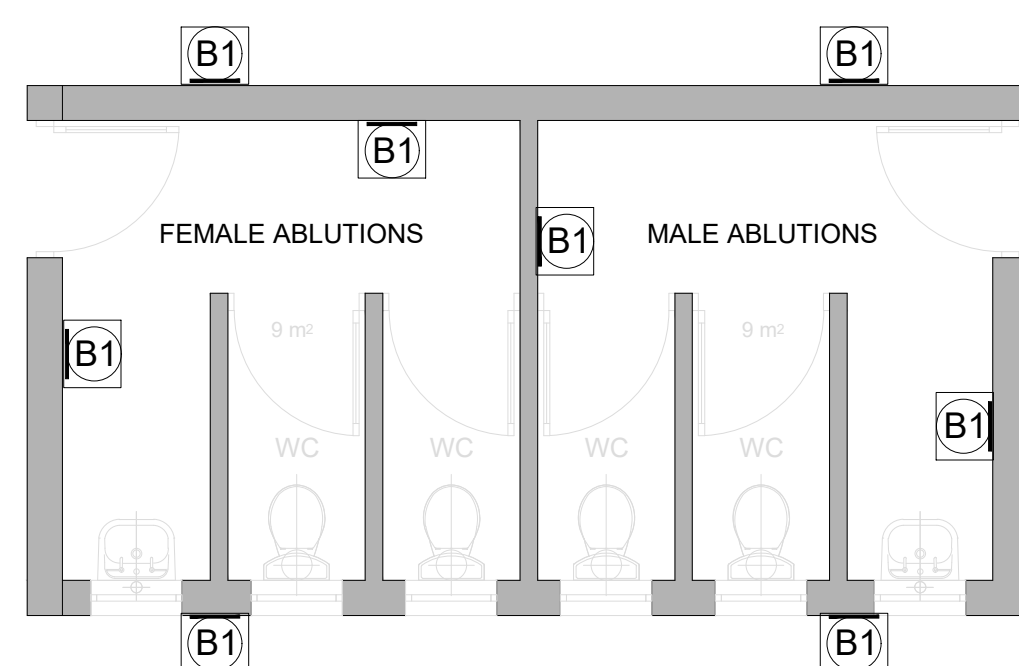
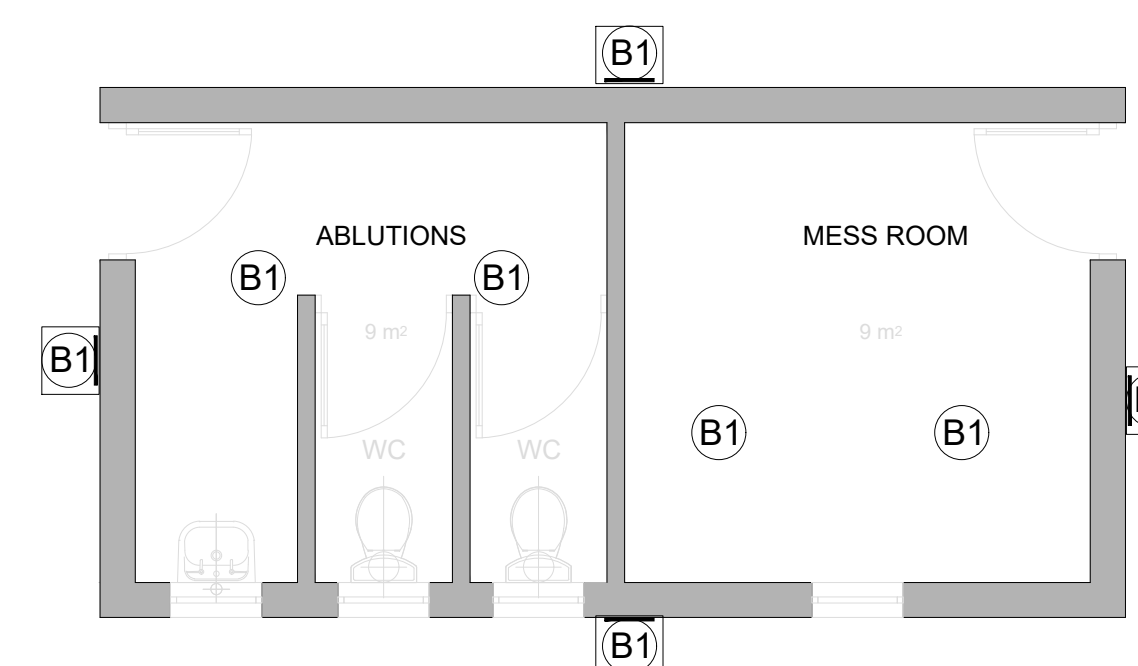
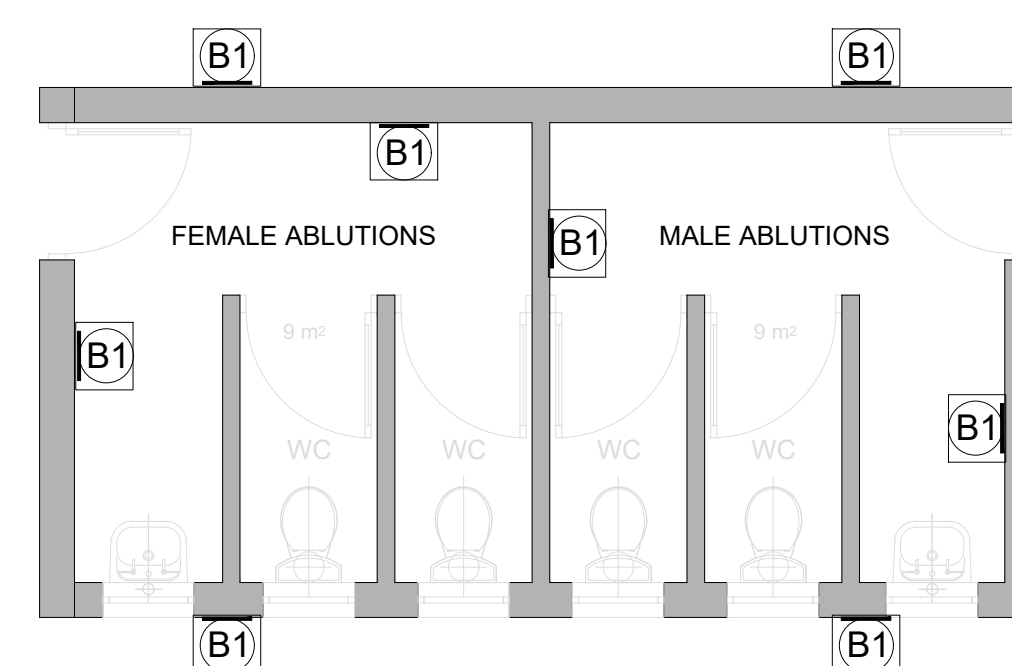
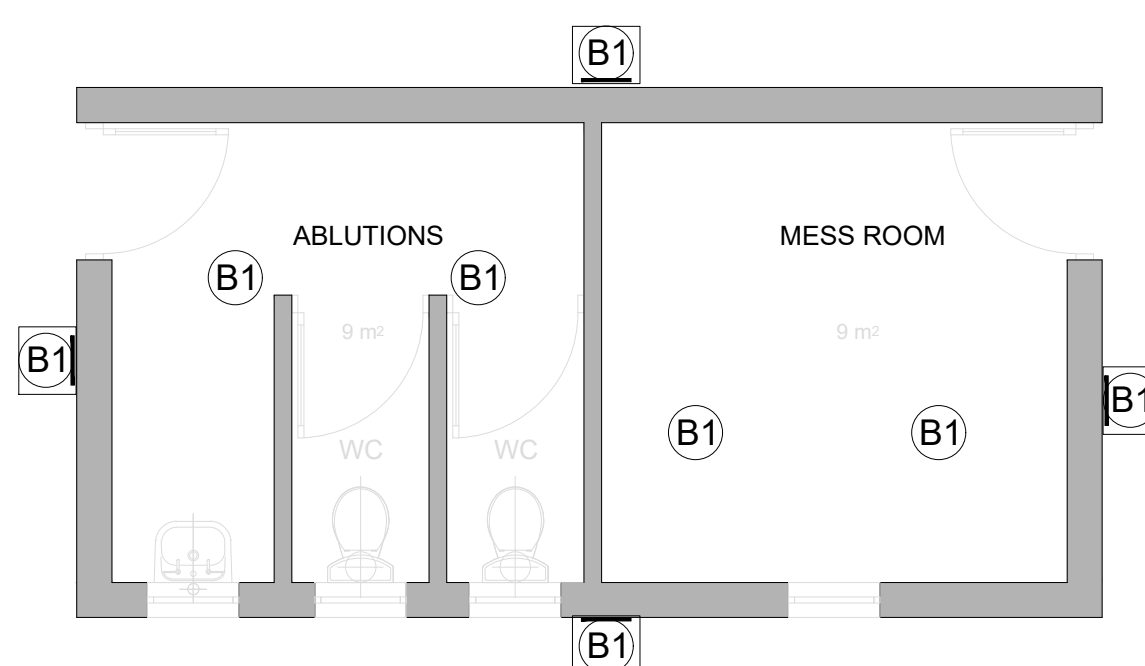
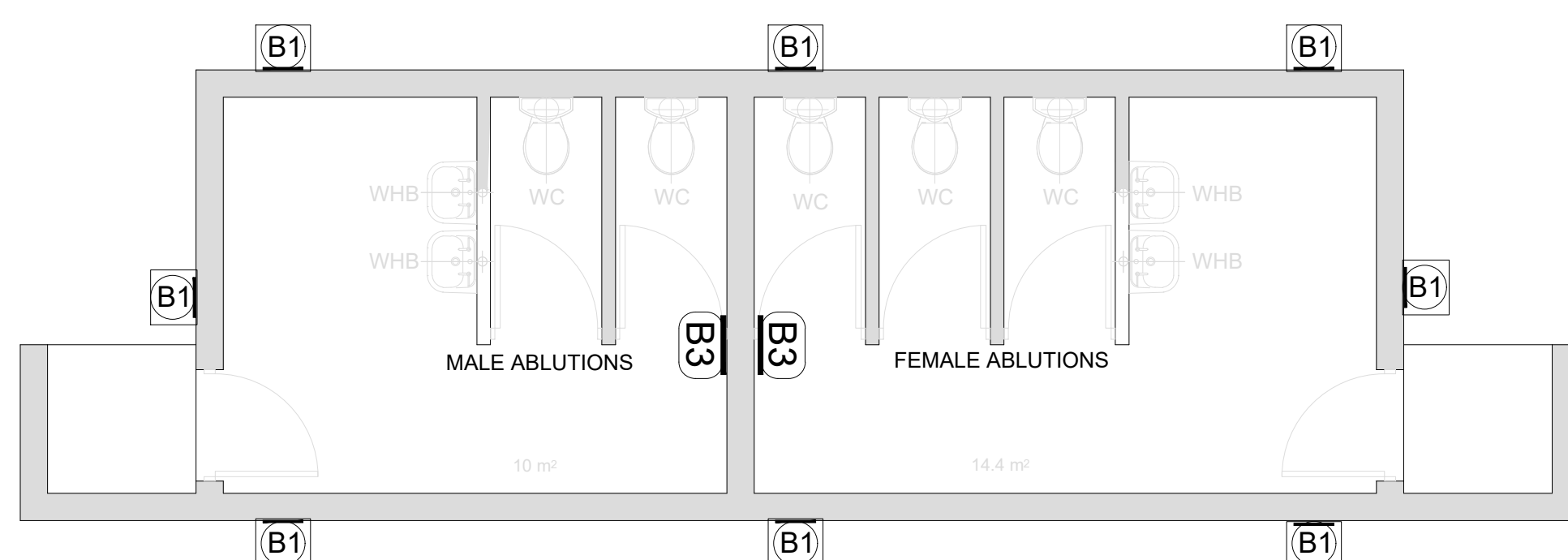


UMLAZI SUB CORRIDOR 1 - STATION IMPROVEMENT PROGRAMME CONGELLA STATION GROUND STOREY PLANS: PLATFORMS LIGHTING LAYOUT

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N.T.S	16-09-22	1040-002-13-3000		1	A1	ISSUED FOR TENDER



LEDENGE:	
	TYPE FL1: 180W/ ± 27 000 LUMEN LED (4000K) STREETLIGHT RATED IP66 WITH POWDER COATING AS PER SPECIFICATION
	TYPE A13 RATED IP65, 30W/ ± 4440 LUMEN (4000K) ROUGH-GUARD WEATHER-PROOF LUMINAIRE, GRP BODY AND ACRYLIC DIFFUSER, WITH 50 000 HOURS LIFESPAN - WALL MOUNTED
	TYPE A13 RATED IP65, 30W/ ± 4440 LUMEN (4000K) ROUGH-GUARD WEATHER-PROOF LUMINAIRE, GRP BODY AND ACRYLIC DIFFUSER, WITH 50 000 HOURS LIFESPAN - SURFACE MOUNTED
	TYPE B1 RATED IP65 HIGH PRESSURE DIE CAST ALUMINIUM BASE AND TRIM RING 20W/ ± 2600 LUMEN LED (4000K) BULK-HEAD LUMINAIRE WITH AN OPAL HIGH-IMPACT ACRYLIC DIFFUSER WITH 50 000 HOUR LIFESPAN. SURFACE MOUNTED
	TYPE B1 RATED IP65 HIGH PRESSURE DIE CAST ALUMINIUM BASE AND TRIM RING 32W/ ± 2600 LUMEN LED (4000K) BULK-HEAD LUMINAIRE WITH AN OPAL HIGH-IMPACT ACRYLIC DIFFUSER WITH 50 000 HOUR LIFESPAN. WALL MOUNTED WITH STEEL CASE
	TYPE B3 RATED IP65 HIGH PRESSURE DIE CAST ALUMINIUM BASE AND TRIM RING 32W/ ± 4370 LUMEN LED (4000K) BULK-HEAD LUMINAIRE WITH AN OPAL HIGH-IMPACT ACRYLIC DIFFUSER WITH 50 000 HOURS LIFESPAN, WITH WIREGUARD - WALL MOUNTED
	TYPE B3 RATED IP65 HIGH PRESSURE DIE CAST ALUMINIUM BASE AND TRIM RING 32W/ ± 4370 LUMEN LED (4000K) BULK-HEAD LUMINAIRE WITH AN OPAL HIGH-IMPACT ACRYLIC DIFFUSER WITH 50 000 HOURS LIFESPAN, WITH WIREGUARD - SURFACE MOUNTED
	C6 80W/ ± 9389 LUMEN LED 4000K FLOODLIGHT RATED IP65 WITH POWDER COATING
	C7 80W/ ± 9389 LUMEN LED 4000K FLOODLIGHT RATED IP65 WITH POWDER COATING WITH 1 HOUR EMERGENCY BATTERY
	DISTRIBUTION BOARD



GENERAL NOTES:

1. ELECTRICAL INSTALLATION TO COMPLY WITH SANS 10142-1 AS AMENDED.
2. CONTRACTORS TO USE EXISTING CIRCUITING. CONTRACTORS TO RETAIN EXISTING CABLES AND CONDUCTORS WHERE APPLICABLE. NEW CABLE AND CONDUCTOR SHALL BE INSTALLED UPON ENGINEERS APPROVAL.
3. CONTRACTORS TO REPLACE LIGHT FITTINGS AS PER SPECIFICATION.
4. CONTRACTOR TO PROVIDE UNIVERSAL ELECTRICAL LOCK ON ALL KIOSK AND DB'S.

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CLIENT LOGO

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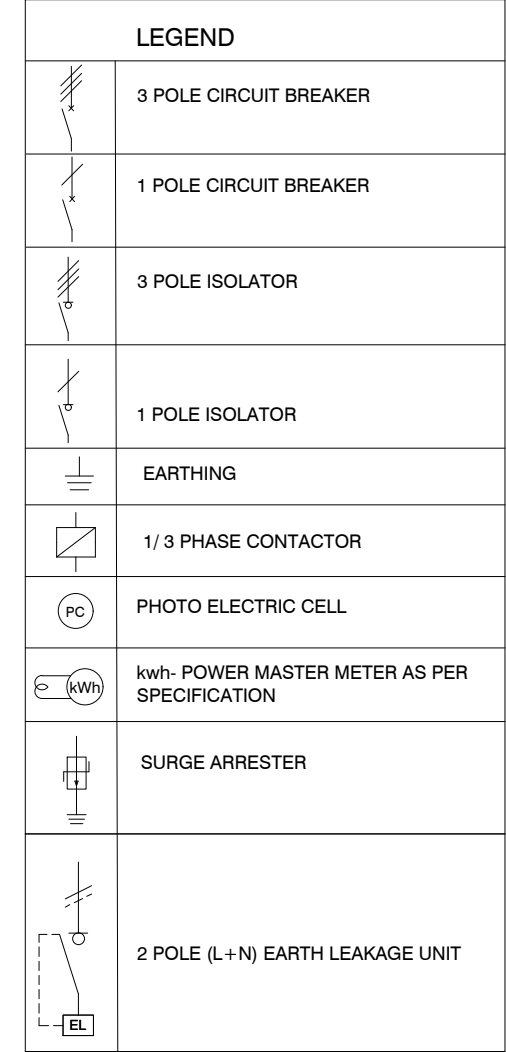
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TITLE	NAME	DATE
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ENG. COORD		
ARCHITECT		
ELEC. ENG.	T. MBATHA	
MECH. ENG.		
STRUCT. ENG.		
CIVIL ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME	M. MADIBA	DATE
SIGNATURE		
REG. NUMBER	D/2404/2017	



UMLAZI SUB CORRIDOR 1 - STATION IMPROVEMENT PROGRAMME

CONGELLA STATION ABLUTIONS AND MESS ROOMS LIGHTING LAYOUT

SCALE :	DATE	Drawing Number	CLIENT Drawing Number	Rev.	Sheet size	Status.
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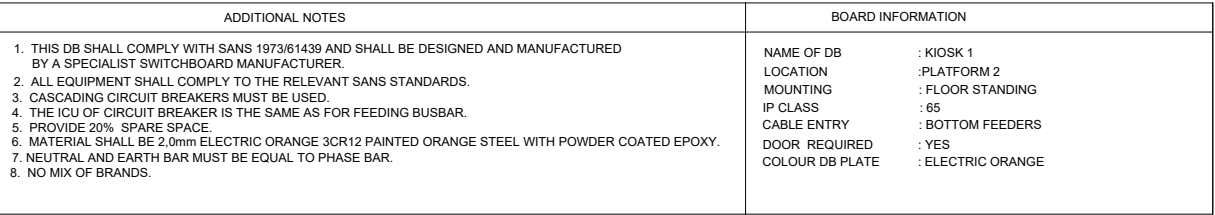
1. CONTRACTORS SHALL RE-INSTALL ALL CIRCUITS TO MATCH EXISTING.

ADDITIONAL NOTES	BOARD INFORMATION
1. THIS DB SHALL COMPLY WITH SANS 1973/61439 AND SHALL BE DESIGNED AND MANUFACTURED BY A SPECIALIST SWITCHBOARD MANUFACTURER. 2. ALL EQUIPMENT SHALL COMPLY TO THE RELEVANT SANS STANDARDS. 3. CASCADING CIRCUIT BREAKERS MUST BE USED. 4. THE ICU OF CIRCUIT BREAKER IS THE SAME AS FOR FEEDING BUSBAR. 5. PROVIDE 20% SPARE SPACE. 6. MATERIAL SHALL BE 2,0mm WHITE 3CR12 PAINTED ORANGE STEEL WITH POWDER COATED EPOXY. 7. NEUTRAL AND EARTH BAR MUST BE EQUAL TO PHASE BAR. 8. NO MIX OF BRANDS.	NAME OF DB : DB-A1 LOCATION :PLATFORM 5 MOUNTING : SURFACE MOUNTED IP CLASS : 55 CABLE ENTRY : TOP FEEDERS AND BOTTOM FEEDERS DOOR REQUIRED : YES, MAIN BREAKER TO PRO-TRUDE COLOUR DB PLATE : ELECTRIC ORANGE

1. ELECTRICAL INSTALLATION TO COMPLY WITH SANS 10142-1 AS AMENDED.
2. CONTRACTORS TO USE EXISTING CIRCUITING. CONTRACTORS TO RETAIN EXISTING CABLES AND CONDUCTORS WHERE APPLICABLE. NEW CABLE AND CONDUCTOR SHALL BE INSTALLED UPON ENGINEERS APPROVAL.
3. CONTRACTOR TO PROVIDE UNIVERSAL ELECTRICAL LOCK ON ALL KIOSK AND DB'S.
4. CONTRACTOR TO PROVE EXISTING CABLE AND/ OR EXISTING CIRCUITS

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MAIN CONSULTANT		
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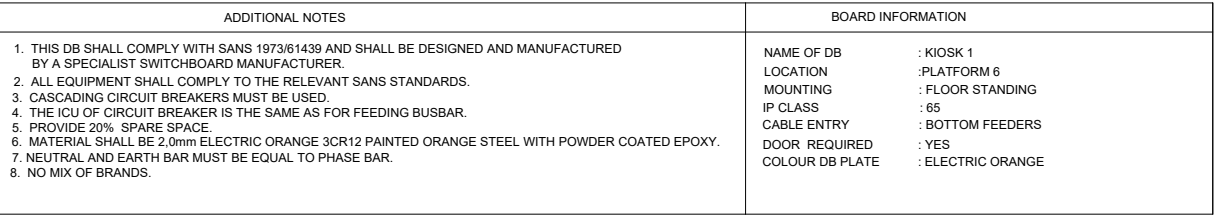
LEGEND	
	3 POLE CIRCUIT BREAKER
	1 POLE CIRCUIT BREAKER
	3 POLE ISOLATOR
	1 POLE ISOLATOR
	EARTHING
	1/ 3 PHASE CONTACTOR
	PHOTO ELECTRIC CELL
	kwh- POWER MASTER METER AS PER SPECIFICATION
	SURGE ARRESTER
	2 POLE (L+N) EARTH LEAKAGE UNIT
	MOTOR PROTECTION OVERCURRENT CIRCUIT BREAKER WITH DELAY CURVE

1. CONTRACTOR SHALL REPLACE EXISTING KIOSK AND REINSTATE CIRCUITS. KIOSK MUST FIT ON EXISTING CONCRETE SLAB.
2. CONTRACTOR TO ADD SWITCHED SOCKET OUTLET ON THE KIOSK

1. ELECTRICAL INSTALLATION TO COMPLY WITH SANS 10142-1 AS AMENDED.
2. CONTRACTORS TO USE EXISTING CIRCUITING. CONTRACTORS TO RETAIN EXISTING CABLES AND CONDUCTORS WHERE APPLICABLE. NEW CABLE AND CONDUCTOR SHALL BE INSTALLED UPON ENGINEERS APPROVAL.
3. CONTRACTOR TO PROVIDE UNIVERSAL ELECTRICAL LOCK ON ALL KIOSK AND DB'S.
4. CONTRACTOR TO PROVE EXISTING CABLE AND/ OR EXISTING CIRCUITS

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MAIN CONSULTANT		
TITLE	NAME	DATE
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CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME	M. MADIBA	DATE
SIGNATURE		
REG. NUMBER	D/2404/2017	



NOTES:

1. CONTRACTOR SHALL REPLACE EXISTING KIOSK AND REINSTATE CIRCUITS. KIOSK MUST FIT ON EXISTING CONCRETE SLAB.
2. CONTRACTOR TO ADD SWITCHED SOCKET OUTLET ON THE KIOSK

1. ELECTRICAL INSTALLATION TO COMPLY WITH SANS 10142-1 AS AMENDED.
2. CONTRACTORS TO USE EXISTING CIRCUITING. CONTRACTORS TO RETAIN EXISTING CABLES AND CONDUCTORS WHERE APPLICABLE. NEW CABLE AND CONDUCTOR SHALL BE INSTALLED UPON ENGINEERS APPROVAL.
3. CONTRACTOR TO PROVIDE UNIVERSAL ELECTRICAL LOCK ON ALL KIOSK AND DB'S.
4. CONTRACTOR TO PROVE EXISTING CABLE AND/ OR EXISTING CIRCUITS

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MAIN CONSULTANT		
TITLE	NAME	DATE
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CIVIL. ENG.		
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PROC. ENG.		
APPROVED BY		
NAME	M. MADIBA	DATE
SIGNATURE		
REG. NUMBER	D/2404/2017	



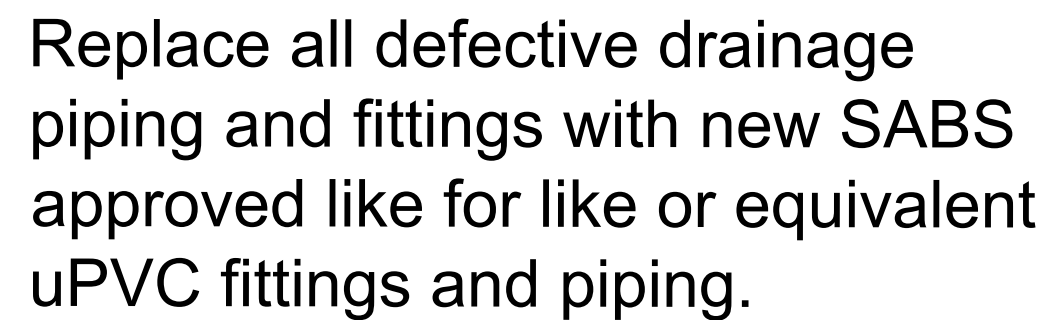
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Client	PRASA	Date	30/09/2022
Consultant	LODEMANN	Date	
Contractor		Date	

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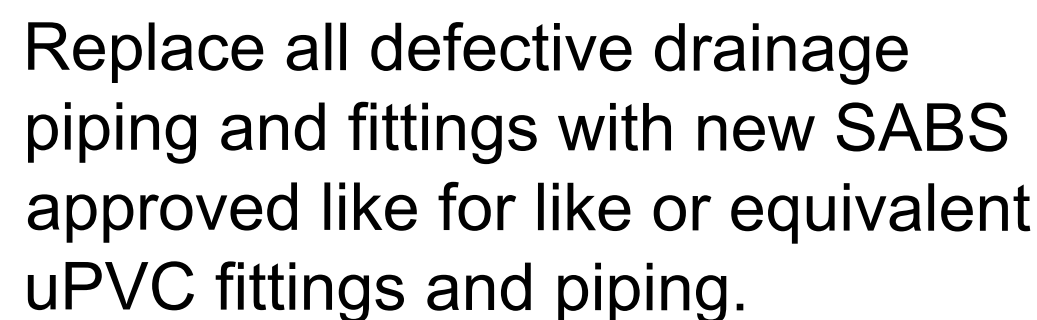
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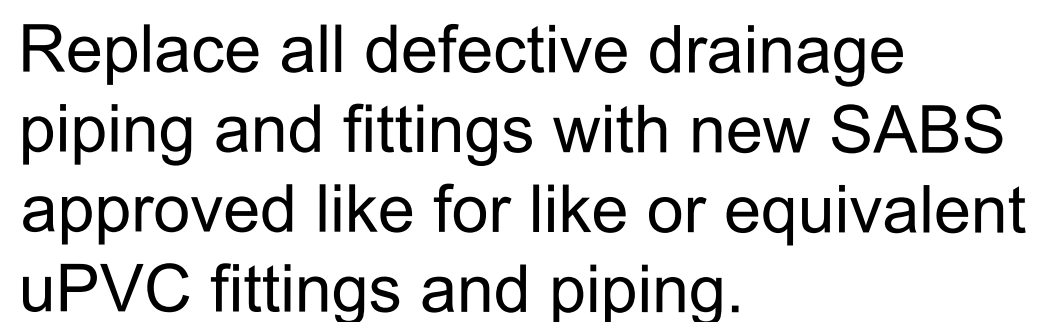
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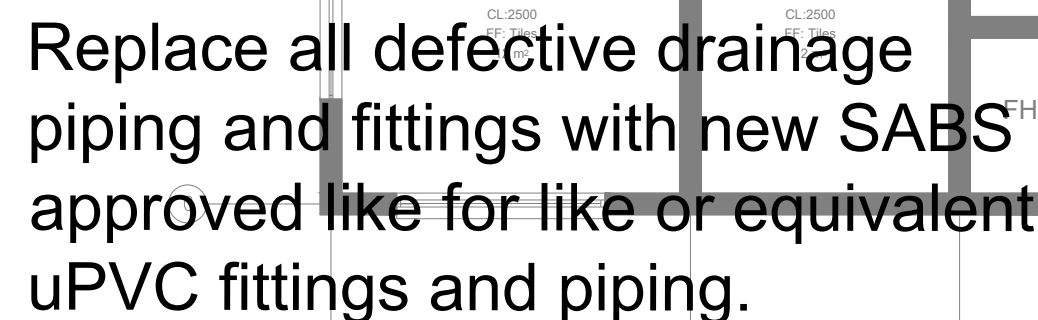
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ABLUTION 1,2 &5
SCALE : NTS



ABLUTION 3 & 4
SCALE : NTS



MAIN TICKET OFFICE ABLUTIONS
SCALE : NTS

WET SERVICES NOTES

THE ITEMS LISTED BELOW AND IN THE NOTES FORM PART OF THE SPECIFICATION FOR THE WASTE WATER DRAINAGE INSTALLATION.

UNLESS STATED OTHERWISE ON A THE DRAWING OR THE TECHNICAL SPECIFICATION REPORT THE FOLLOWING SHALL APPLY:

GREY WASTE NOTES

1. ALL GREY WATER PIPING AND FITTINGS SHALL BE 50mm Ø CLASS 34 PVC PIPING CONSTRUCTED TO SANS 791.
2. ALL GREY WATER PIPING ARE TO MAINTAIN A FALL OF 1:80.

BLACK WATER NOTES

1. ALL BLACK WATER PIPING AND FITTINGS SHALL BE 50mm - 110 Ø CLASS 34 PVC PIPING CONSTRUCTED TO SANS 791.
2. ALL BLACK WATER PIPING ARE TO MAINTAIN A FALL OF 1:40.

WATER RETICULATION NOTES

1. WATER CONNECTIONS TO FITTINGS:-15mm to WHB, WC AND SHOWERS.
2. COLD & HOT WATER PIPING TO BE PEX (PLASTIC PIPING). SUPPLEMENTARY WET/AUXILIARY VENTING TO BE INSTALLED WHERE REQUIRED BY CODES REFERRED TO IN GENERAL NOTES ITEM 1.

DRAINAGE SYSTEM PRESSURE TESTING

1. ALL WASTE WATER PIPING SHALL BE HYDRAULICALLY TESTED IN THE PRESENCE OF THE ENGINEER AND THE RESULTS RECORDED.
2. PIPING SHALL BE TESTED IN SECTIONS AS THE WORK PROGRESSES, BEFORE BEING COVERED IN TRENCHES OR FLOORS. THE COMPLETED PIPELINE SHALL ALSO BE TESTED TO TAKEOVER OF THAT LINE BY THE CLIENT.
3. FAILURE TO COMPLY WITH THE ABOVE WILL RESULT IN THE CONTRACTOR BEING REQUIRED TO EXPOSE ALL THE PIPING IN ORDER FOR THE PRESSURE TESTS TO BE CARRIED OUT. HE WILL ALSO BE RESPONSIBLE FOR ALL COSTS INCURRED BY OTHERS IN UNCOVERING AND MAKING GOOD THE WORKS DUE TO THE CONTRACTORS FAILURE TO COMPLY WITH THIS REQUIREMENT.

GENERAL NOTES:

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS.
2. ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECK ON SITE BEFORE WORK PUT ON HAND.
3. REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER.
4. THIS DRAWING MUST NOT BE USED TO SCALE OFF. USE ONLY WRITTEN DIMENSIONS. CONTACT THE ENGINEER OR ARCHITECT WHERE CLARITY IS SOUGHT.
5. FOR SETTING OUT DATA, SETTING OUT POINTS AND DATUM LEVELS REFER TO SURVEY INFORMATION AND ARCHITECT'S DRAWINGS.
6. STRUCTURAL WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.N.S SPECIFICATIONS.
7. CONSULT RELEVANT ARCHITECT'S, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLET, RWDPDS AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.

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prasa

PASSENGER RAIL AGENCY
OF SOUTH AFRICA

[illegible]**MAIN CONSULTANT**

TITLE	NAME	DATE
DRAWN	SI MATHUNJWA	30-09-22
CHECKED		
ENG. COORD		
ARCHITECT		
ELEC. ENG.		
MECH. ENG.	R CHABILAL	30-09-22
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		

APPROVED BY

NAME	M. MADIBA	DATE
SIGNATURE		
REG. NUMBER	D/2404/2017	




- EST. 2015

LODEMANN

UMLAZI SUB CORRIDOR 1 - STATION IMPROVEMENT PROGRAMME

CONGELLA STATION
LOWER GROUND FLOOR & MAIN TICKET OFFICE - WET SERVICES

SCALE	DATE	Drawing Number	CLIENT Drawing Number	Rev.	Sheet size	Status.
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	QUALITY MANAGEMENT SYSTEM
DRAWING REGISTER	
	FILING

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Client	PRASA	Date	01/10/2022
Consultant	LODEMANN	Date	01/10/2022
Contractor		Date	

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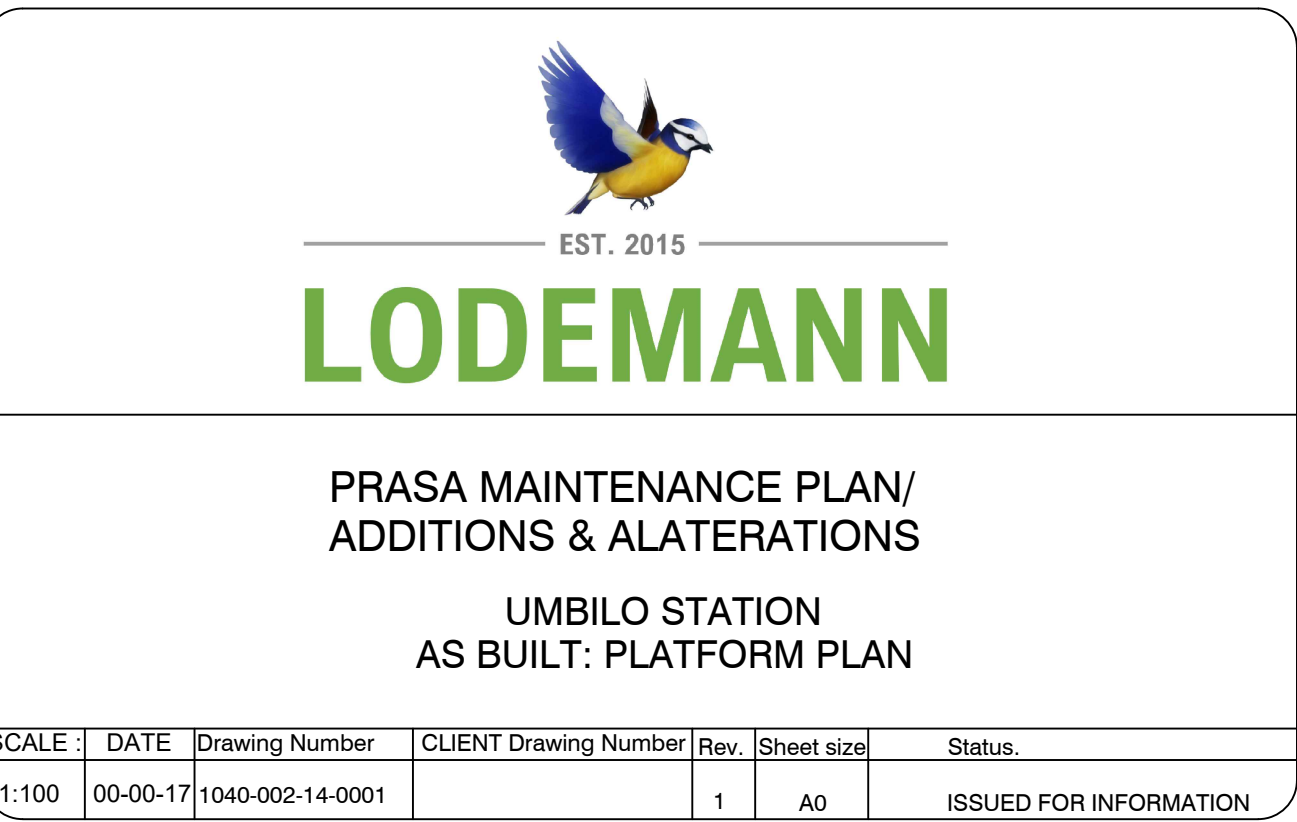
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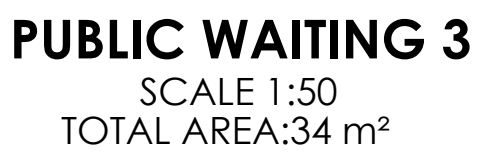
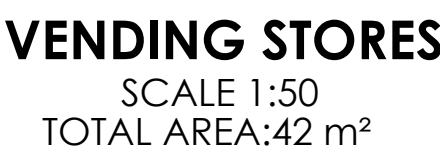
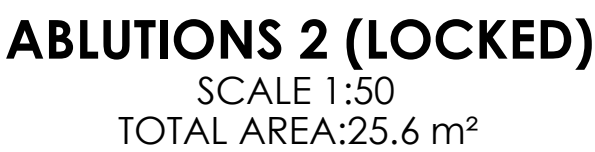
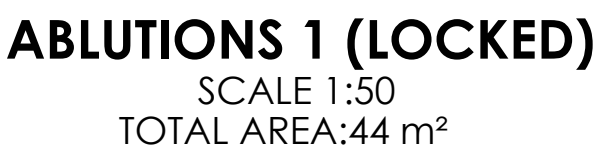
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5. FOR SETTING OUT DATA, SETTING OUT POINTS AND DATUM LEVELS REFER TO SURVEY INFORMATION AND DRAWINGS.
6. STRUCTURAL WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.N.'S SPECIFICATIONS. ALL CONCRETE WORKS IS TO BE DONE IN ACCORDANCE WITH S.A.N.'S 1200G AND EARTHWORKS IS ACCORDANCE WITH S.A.N.'S 1200D.
7. CONSULT RELEVANT ARCHITECTS, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLET, RWPDs AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.

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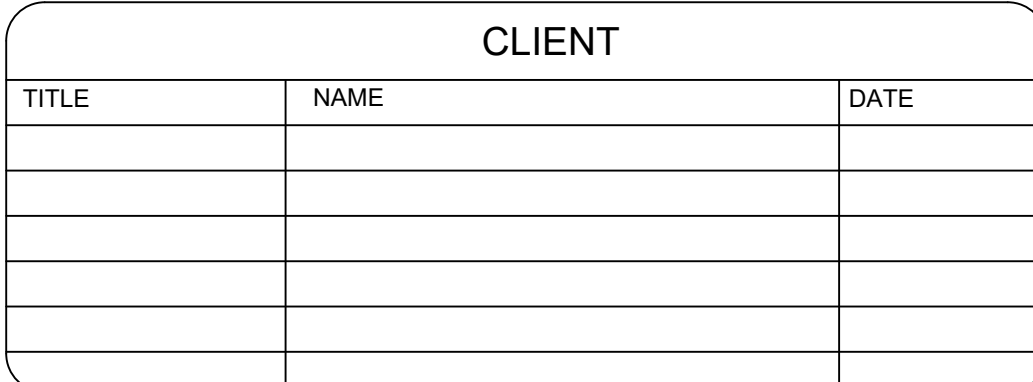
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ARCHITECT	MR M. MADIBA	22/07/2022
ELEC. ENG.		
MECH. ENG.		
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NAME	DATE	
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REG. NUMBER		



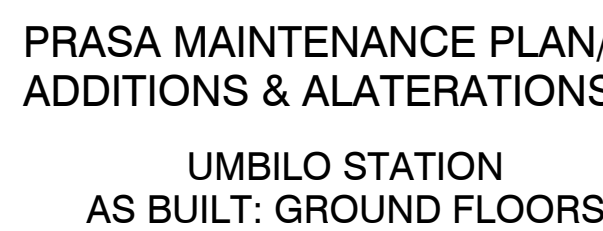
1. REPLACE CORRODED SHEETING WITH NEW GRS 0.58mm CHROMADEK KLIP-LOK 700 ROOF SHEETING.
2. REPLACE MISSING/DAMAGED FASCIA/BARGE BOARDS WITH NEW FIBRE CEMENT BOARDS ,TO BE PAINTED AND MATCH EXISTING.
3. REPLACED DAMAGED RAINWATER GUTTERS & DOWNPIPES WITH NEW SEAMLESS ALUMINUM GOODS.
4. REPLACE DAMAGED CEILING PANELS WITH NEW TO MATCH EXISTING /SIMILAR APPROVED.REFER TO CEILING LAYOUT.
5. SCRAPE OFF DAMAGED EXISTING WALL FINISHES AND APPLY NEW PLASTER WHERE AFFECTED.NEW PAINT TO BE APPLIED IN ACCORDANCE TO TECHNICAL SPECIFICATIONS & PRASA BLUE PRINT ALL STRUCTURAL AND NON-STRUCTURAL CRACKS TO BE DEEMED TO SATISFY ENGINEERS' RECOMMENDATION.
6. CONCRETE FLOORS TO BE PRESSURE WASHED.REFURBISH/REPAIR DAMAGED AREA.RESTORE TO ORIGINAL CONDITION
7. REPLACED DAMAGED FLOOR FINISHES WITH NEW TO MATCH EXISTING IN ACCORDANCE TO TECHNICAL SPECIFICATIONS & PRASA BLUE PRINT.REFER TO FLOOR FINISH LAYOUT.
9. EXISTING STAIRCASE TO BE REFURBISHED, MADE GOOD, REPLACE DAMAGED FLOOR FINISH WITH NEW NON-SLIP TILES TO MATCH EXISTING. BALUSTRADES TO BE REFURBISHED AND STAIRCASE TO COMPLY WITH SANS10400 PART "M".
10. REPAIR/REPLACE ALL DAMAGED DOORS/ROLLER SHUTTERS AND SUPPORTING IRONMONGERY WITH NEW TO MATCH EXISTING.
11. REPAIR/REPLACE ALL DAMAGED WINDOWS AND SUPPORTING IRONMONGERY WITH NEW TO MATCH EXISTING.GLAZING TO COMPLY WITH SANS 10400 PART N.
12. DAMAGED SPEED GATE CHAIRS/FURNITURE TO BE REPLACED WITH NEW TO MATCH EXISTING.
13. REMOVE ALL DAMAGED/DETERIORATED FITTINGS & FIXTURES.REPLACE WITH NEW SABS APPROVED GOODS IN RELATION TO TECHNICAL SPECIFICATIONS & PRASA BLUE PRINT.
14. REPLACE DAMAGED CARPENTRY WORKS WITH NEW.IN ACCORDANCE TO PRASA BLUE PRINT.
15. NEW SIGNAGES,BINS AND BENCHES AS PER TECHNICAL SPECIFICATIONS & PRASA BLUE PRINT.



1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECTS DRAWINGS.
2. ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECK ON SITE BEFORE WORK PUT ON HAND.
3. REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER.
4. THIS DRAWING MUST NOT BE USED TO SCALE OFF. USE ONLY WRITTEN DIMENSIONS. CONTACT THE ENGINEER OR ARCHITECT WHERE CLARITY IS SOUGHT.
5. FOR SETTING OUT DATA, SETTING OUT POINTS AND DATUM LEVELS REFER TO SURVEY INFORMATION AND ARCHITECTS DRAWINGS.
6. STRUCTURAL WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.N.S SPECIFICATIONS. ALL CONCRETE WORKING IS TO BE DONE IN ACCORDANCE WITH S.A.N.S 1200G AND EARTHWORKS IN ACCORDANCE WITH S.A.N.S 1200D.
7. CONSULT RELEVANT ARCHITECTS, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLET, RWPODS AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.

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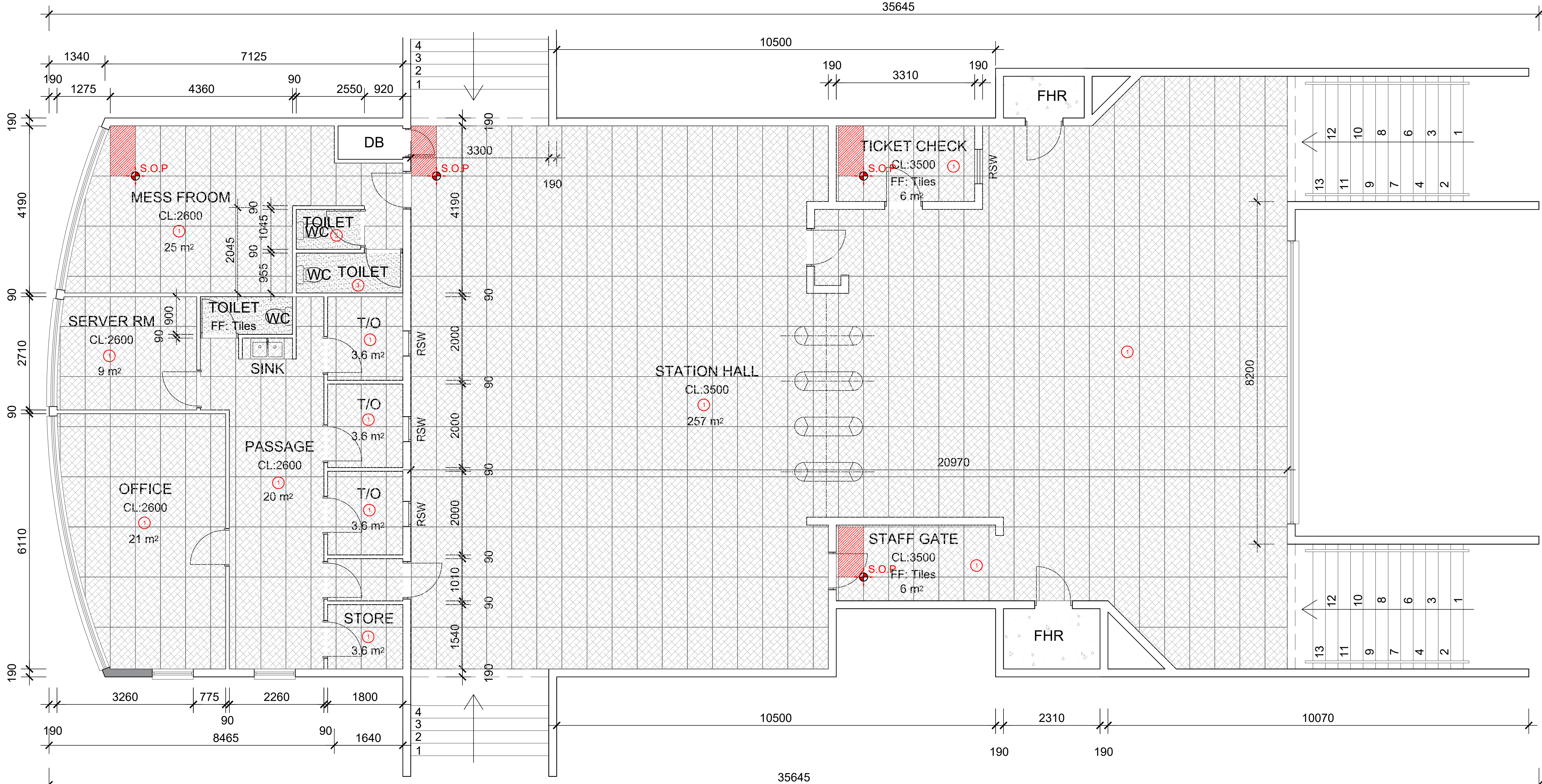
MAIN CONSULTANT		
TITLE	NAME	DATE
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CHECKED		
ENG. COORD		
ARCHITECT	M. MADIBA	22/07/2022
ELEC. ENG.		
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME		DATE
SIGNATURE		
REG. NUMBER		



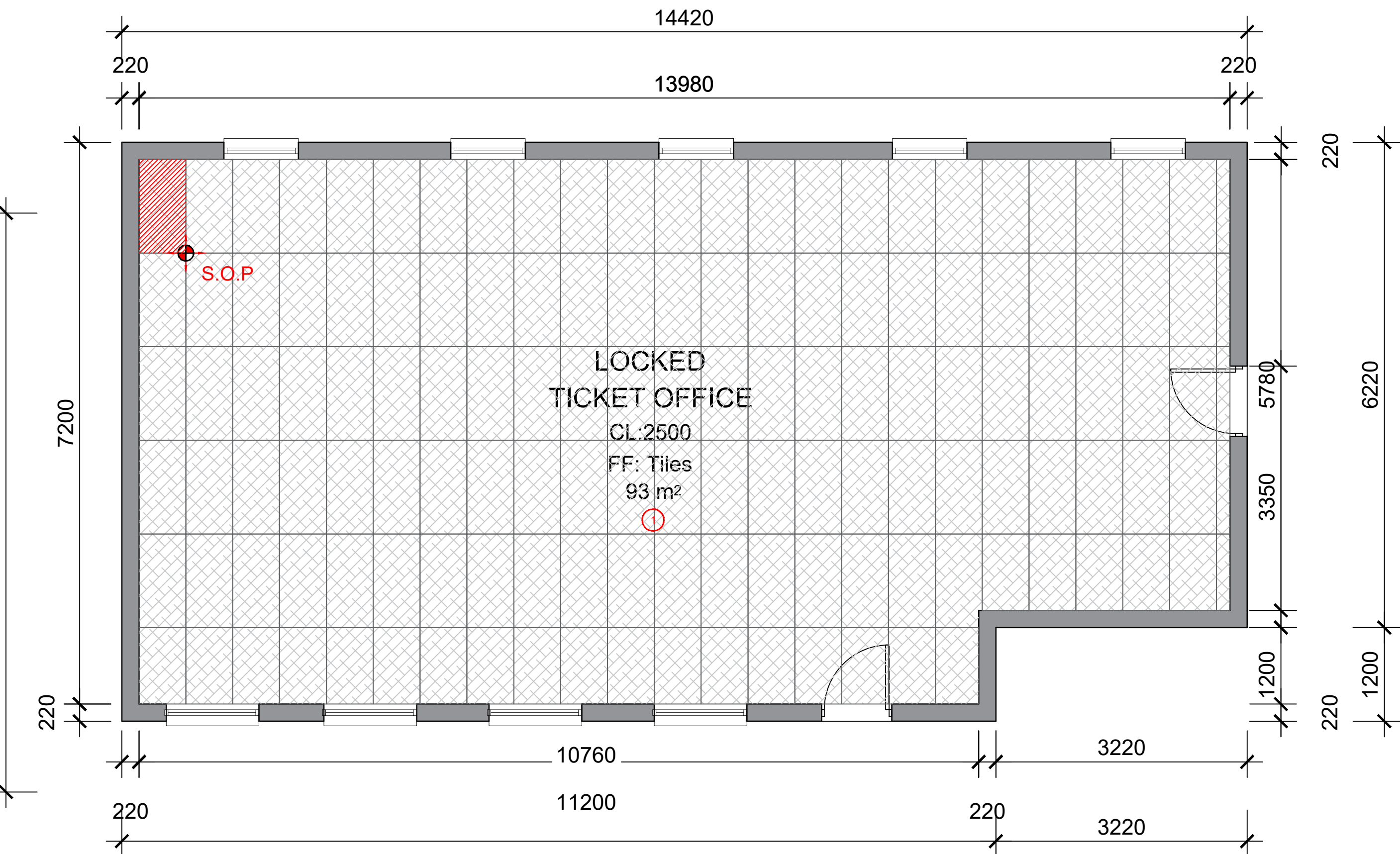
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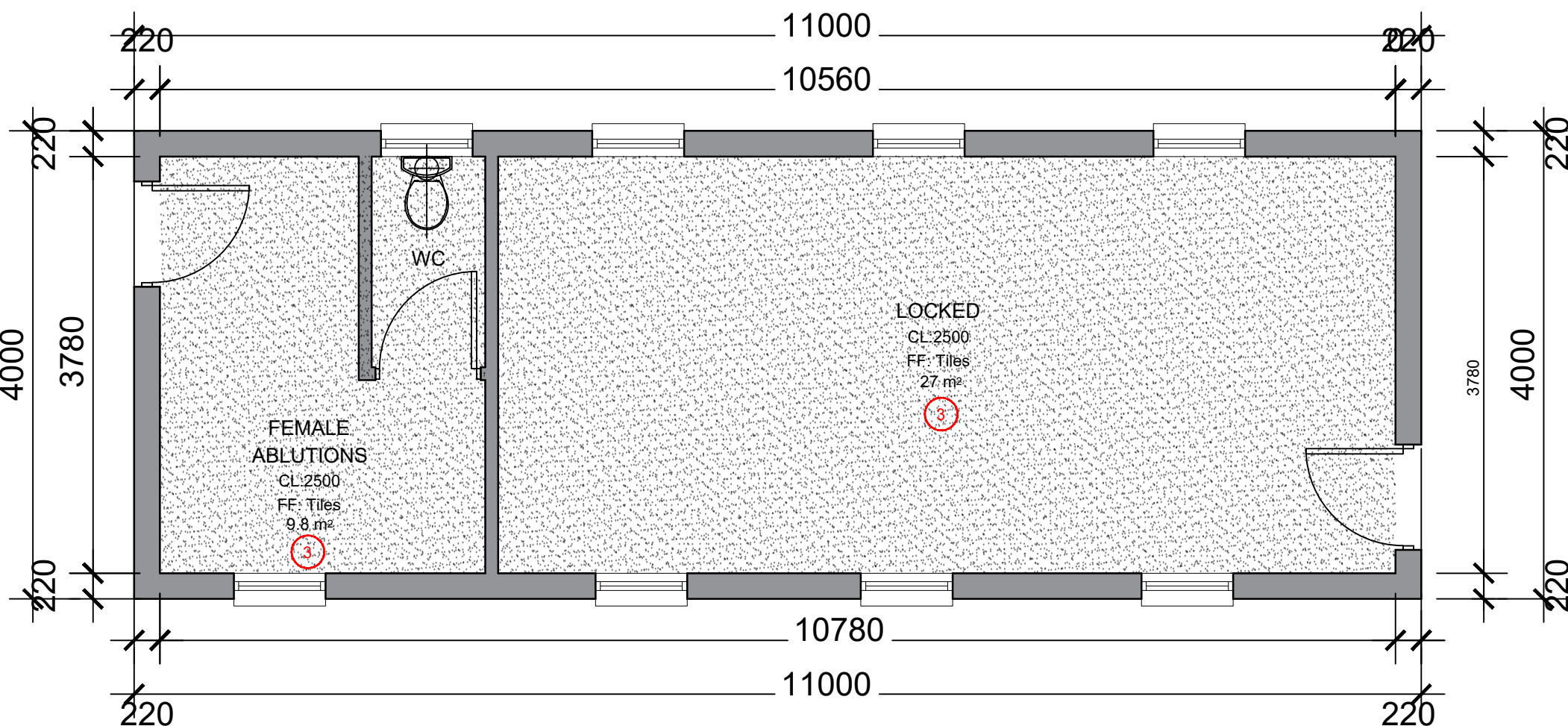
1. REPLACE CORRODED SHEETING WITH NEW GRS 0.58mm CHROMADEK KLIP-LOK 700 ROOF SHEETING.
2. REPLACE MISSING/DAMAGED FASCIA/BARGE BOARDS WITH NEW FIBRE CEMENT BOARDS ,TO BE PAINTED AND MATCH EXISTING.
3. REPLACED DAMAGED RAINWATER GUTTERS & DOWNPIPES WITH NEW SEAMLESS ALUMINUM GOODS.
4. REPLACE DAMAGED CEILING PANELS WITH NEW TO MATCH EXISTING /SIMILAR APPROVED.REFER TO CEILING LAYOUT.
5. SCRAPE OFF DAMAGED EXISTING WALL FINISHES AND APPLY NEW PLASTER WHERE AFFECTED.NEW PAINT TO BE APPLIED IN ACCORDANCE TO TECHNICAL SPECIFICATIONS & PRASA BLUE PRINT.ALL STRUCTURAL AND NON-STRUCTURAL CRACKS TO BE DEEMED TO SATISFY ENGINEERS' RECOMMENDATION.
6. CONCRETE FLOORS TO BE PRESSURE WASHED.REFURBISH/REPAIR DAMAGED AREA.RESTORE TO ORIGINAL CONDITION
7. REPLACED DAMAGED FLOOR FINISHES WITH NEW TO MATCH EXISTING IN ACCORDANCE TO TECHNICAL SPECIFICATIONS & PRASA BLUE PRINT.REFER TO FLOOR FINISH LAYOUT.
9. EXISTING STAIRCASE TO BE REFURBISHED, MADE GOOD, REPLACE DAMAGED FLOOR FINISH WITH NEW NON-SLIP TILES TO MATCH EXISTING. BALUSTRADES TO BE REFURBISHED AND STAIRCASE TO COMPLY WITH SANS10400 PART "M"
10. REPAIR/REPLACE ALL DAMAGED DOORS/ROLLER SHUTTERS AND SUPPORTING IRONMONGERY WITH NEW TO MATCH EXISTING.
11. REPAIR/REPLACE ALL DAMAGED WINDOWS AND SUPPORTING IRONMONGERY WITH NEW TO MATCH EXISTING.GLAZING TO COMPLY WITH SANS 10400 PART N.
12. DAMAGED SPEED GATE CHAIRS/FURNITURE TO BE REPLACED WITH NEW TO MATCH EXISTING.
13. REMOVE ALL DAMAGED/DETERIORATED FITTINGS & FIXTURES.REPLACE WITH NEW SABS APPROVED GOODS IN RELATION TO TECHNICAL SPECIFICATIONS & PRASA BLUE PRINT.
14. REPLACE DAMAGED CARPENTRY WORKS WITH NEW IN ACCORDANCE TO PRASA BLUE PRINT
15. NEW SIGNAGES,BINS AND BENCHES AS PER TECHNICAL SPECIFICATIONS & PRASA BLUE PRINT.



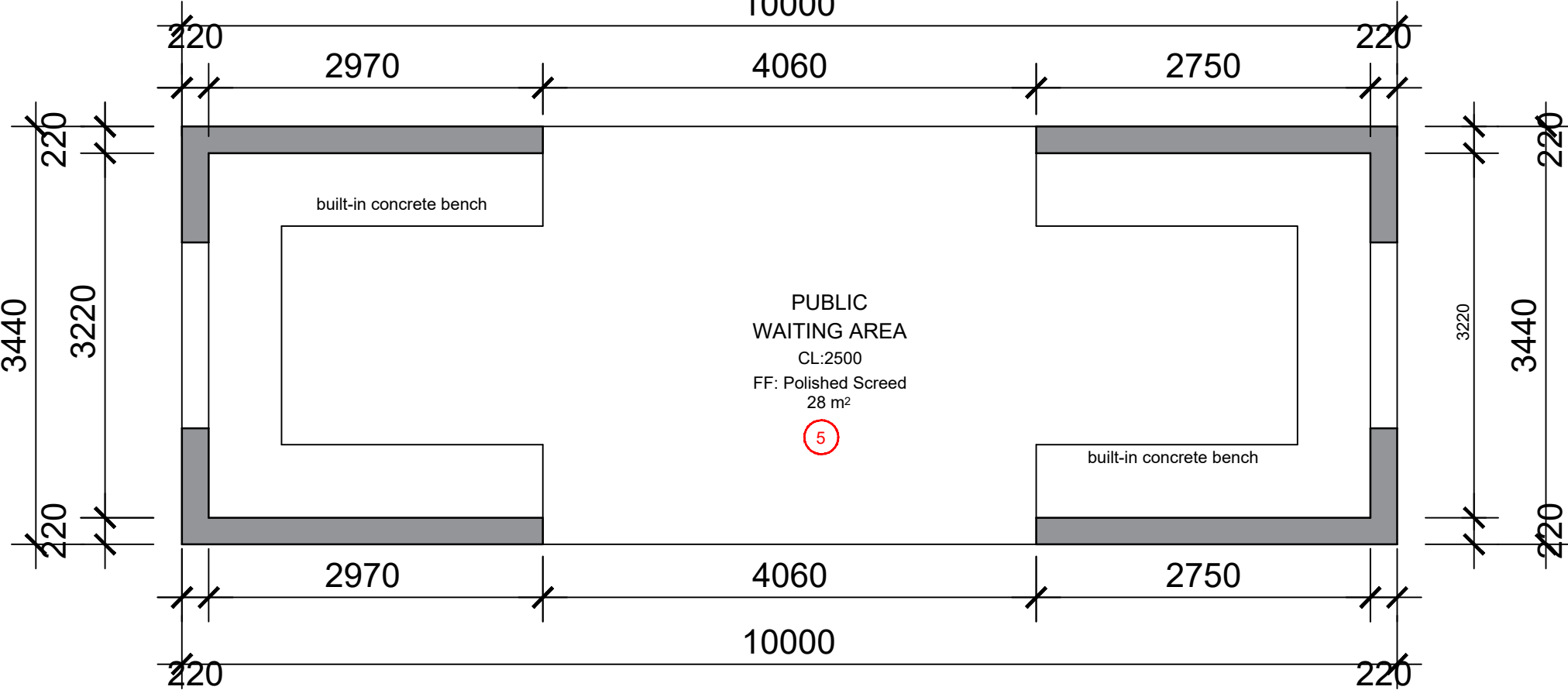
STATION HALL

SCALE 1:100 TOTAL
AREA:334 m²

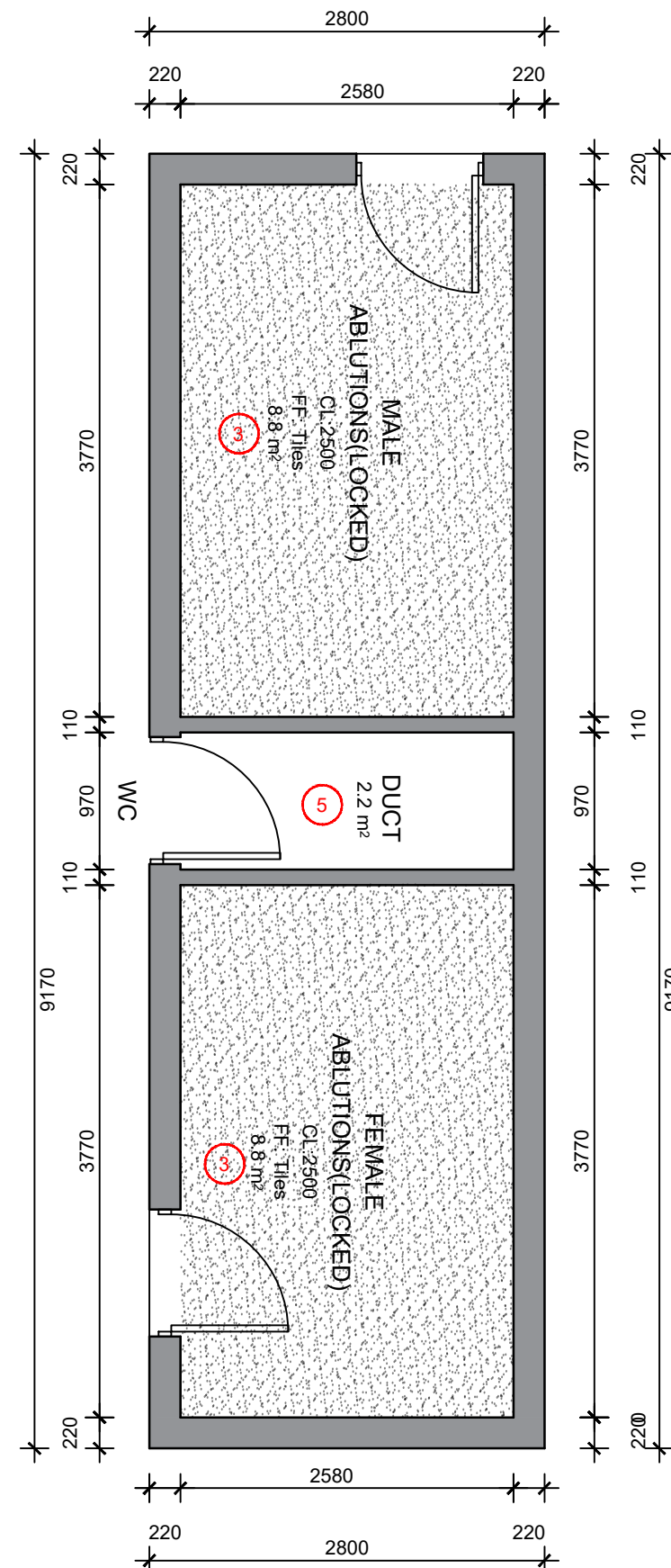
OLD TICKET OFFICE

SCALE 1:100
TOTAL AREA:102 m²

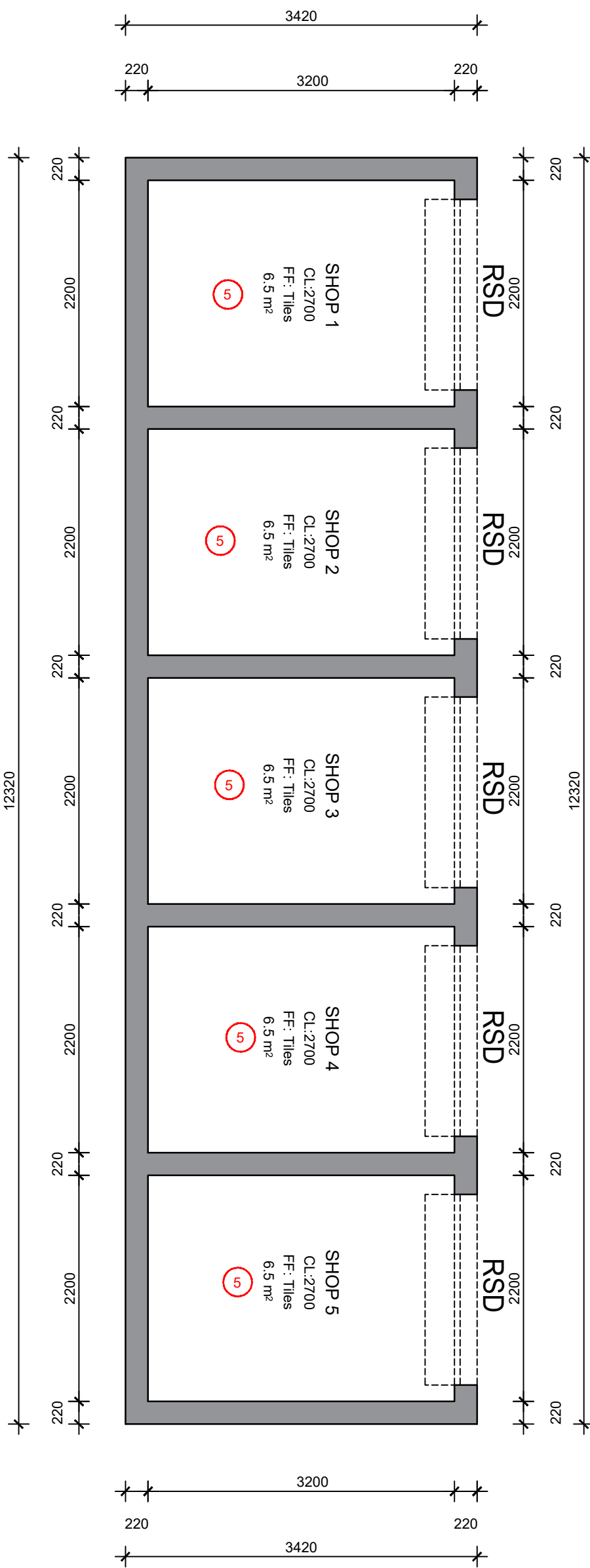
ABLUTIONS 1 (LOCKED)

SCALE 1:50
TOTAL AREA:44 m²

PUBLIC WAITING 1

SCALE 1:50 TOTAL
AREA:34 m²

ABLUTIONS 2 (LOCKED)

SCALE 1:50
TOTAL AREA:44 m²

VENDING STORES

SCALE 1:50 TOTAL
AREA:42 m²

NOTE:
T.V. POSITIONS, LIGHT FITTING POSITIONS, MOTION AND OCCUPANCY SENSORS, AIR CONDITIONING GRILLE POSITIONS, EXTRACTOR POSITIONS & SMOKE DETECTOR POSITIONS ARE ALL STILL TO BE CONFIRMED BY THE RELEVANT CONSULTANTS.
ALL ELECTRICAL AND MECHANICAL SERVICES BY OTHERS.

CEILING LEGEND

CEILING TYPE	DESCRIPTION
CEILING TILES - VINYL COATED	12.5MM VINYL FACED GYPSUM CEILING PANELS, FACE COVERED WITH WHITE EMBOSSED VINYL, SIZE 1200 X 600MM, Laid ON FIRE RATED CLIP SYSTEM SS EXPOSED DEMOUNTABLE SUSPENSION SYSTEM INCLUDING GALVANISED MAIN TEES, CROSS TEES, ETC. ALL SUSPENDED WITH GALVANISED HANGERS AT CENTRES NOT EXCEEDING 1200MM, WITH CEILING PERIMETER FINISHED WITH SHADOWLINE W-TRIM INSTRUCTIONS.
SKIMMED CEILING - INTERNAL Colour: WHITE See PRASA 2.1.1 & 2.1.2A, Color spec, section P.111	ONE LAYER OF 9.5mm FLUSH PLASTER GYPSUM OR MAGNA BOARD CEILING (OR SIMILAR APPROVED), APPLY RHINO TAPE TO ALL JOINTS AND SKIM THE CEILING USING SIMILAR APPROVED RHINOCLITE. CEILING GRID TO BE 1200 C/C. FIXED TO CONCEALED SUSPENDED TEE SYSTEM, SKIMMED AND PREPARED TO RECEIVE 2 COATS QUALITY PVA PAINT, ALL IN STRICT ACCORDANCE WITH MANUFACTURES SPECIFICATION & REQUIREMENTS.
SKIMMED CEILING - ABLUTIONS Colour: WHITE See PRASA 2.1.1 & 2.1.2A, Color spec, section P.111	ONE LAYER OF 12mm FLUSH PLASTER GYPSUM OR MAGNA BOARD CEILING (OR SIMILAR APPROVED), APPLY RHINO TAPE TO ALL JOINTS AND SKIM THE CEILING USING SIMILAR APPROVED RHINOCLITE. CEILING GRID TO BE 1200 C/C. FIXED TO CONCEALED SUSPENDED TEE SYSTEM, SKIMMED AND PREPARED TO RECEIVE 2 COATS QUALITY PVA PAINT, ALL IN STRICT ACCORDANCE WITH MANUFACTURES SPECIFICATION & REQUIREMENTS.
CONCRETE SLAB	REMOVE ALL LOOSE PAINT, SURFACE CONTAMINANTS, FRABLE MATERIALS. REMOVE ANY MOLD RELEASE AGENT USING CLEAN WATER, LEAVING SURFACE CLEAN, DRY AND DUST FREE. CONCRETE SOFFITS TO BE PAINTED, RIPPEL PAINT TEXTURE, 16MM SMOOTH PLASTER TO UNDERSIDE OF SOFFIT & PAINTED. PRIME SURFACE WITH ONE COAT PROFESSIONAL PLASTER PRIMER WITH AN OVERCOATING TIME OF 18 HOURS AND FINISH WITH TWO COATS OF MATT PAINT WITH AN OVERCOATING TIME OF 4 HOURS. ALL IN STRICT SPECIFICATIONS AS PER DATA SHEETS WHICH MAY BE PROVIDED ON REQUEST, IN ACCORDANCE WITH PREFERRED MANUFACTURES.
NO CEILING	NO CEILING.

GENERAL NOTES:

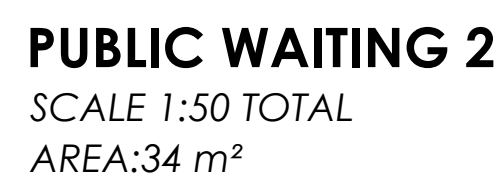
1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS.
2. ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECK ON SITE BEFORE WORK PUT ON HAND.
3. REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER.
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5. FOR SETTING OUT DATA, SETTING OUT POINTS AND DATUM LEVELS REFER TO SURVEY INFORMATION AND ARCHITECT'S DRAWINGS.
6. STRUCTURAL WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.N.S. SPECIFICATIONS. ALL CONCRETE WORKS IS TO BE DONE IN ACCORDANCE WITH S.A.N.S 1200G AND EARTHWORKS IS ACCORDANCE WITH S.A.N.S 1200D.
7. CONSULT RELEVANT ARCHITECT'S, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLET, RWDPS AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.

DRAWING NO.	REFERENCE	NO.	DESCRIPTION	BY	CHKD	APPD	DATE
REFERENCE DRAWINGS							
REVISIONS / ISSUE AUTHORIZATION							
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


PASSENGER RAIL AGENCY OF SOUTH AFRICA		
CLIENT		
TITLE	NAME	DATE
SIGNATURE		

MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	MR E. MGUZUMABANE	22/07/2022
CHECKED		
ENG. COORD		
ARCHITECT	M. MADIBA	22/07/2022
ELEC. ENG.		
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME		DATE
SIGNATURE		
REG. NUMBER		

EST. 2015		
PRASA MAINTENANCE PLAN/ ADDITIONS & ALATERATIONS		
UMBULO STATION CEILING LAYOUTS I		
SCALE	DATE	Drawing Number
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CLIENT	Drawing Number	Rev.
Sheet size	Status.	
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NOTE :
T.V. POSITIONS, LIGHT FITTING POSITIONS, MOTION AND
OCCUPANCY SENSORS, AIR CONDITIONING GRILLE
POSITIONS, EXTRACTOR POSITIONS & SMOKE DETECTOR
POSITIONS ARE ALL STILL TO BE CONFIRMED BY THE
RELEVANT CONSULTANTS.
ALL ELECTRICAL AND MECHANICAL SERVICES BY OTHERS.

CEILING TYPE		DESCRIPTION
1	 CEILING TILES - VINYL COATED	12.5MM VINYL FACED GYPSUM CEILING PANELS, FACE COVERED WITH WHITE EMBOSED VINYL, SIZE 1200 X 600MM, LAID ON FIRE RATED CLG SYSTEM S3 EXPOSED, NON-FLAMMABLE, NON TOXIC, MEETS ALL REQUIREMENTS OF THE FOLLOWING STANDARDS: EN 13501-1, EN 13501-2, EN 13501-3, EN 13501-4, EN 13501-5, EN 13501-6, EN 13501-7, EN 13501-8, EN 13501-9, EN 13501-10, EN 13501-11, EN 13501-12, EN 13501-13, EN 13501-14, EN 13501-15, EN 13501-16, EN 13501-17, EN 13501-18, EN 13501-19, EN 13501-20, EN 13501-21, EN 13501-22, EN 13501-23, EN 13501-24, EN 13501-25, EN 13501-26, EN 13501-27, EN 13501-28, EN 13501-29, EN 13501-30, EN 13501-31, EN 13501-32, EN 13501-33, EN 13501-34, EN 13501-35, EN 13501-36, EN 13501-37, EN 13501-38, EN 13501-39, EN 13501-40, EN 13501-41, EN 13501-42, EN 13501-43, EN 13501-44, EN 13501-45, EN 13501-46, EN 13501-47, EN 13501-48, EN 13501-49, EN 13501-50, EN 13501-51, EN 13501-52, EN 13501-53, EN 13501-54, EN 13501-55, EN 13501-56, EN 13501-57, EN 13501-58, EN 13501-59, EN 13501-60, EN 13501-61, EN 13501-62, EN 13501-63, EN 13501-64, EN 13501-65, EN 13501-66, EN 13501-67, EN 13501-68, EN 13501-69, EN 13501-70, EN 13501-71, EN 13501-72, EN 13501-73, EN 13501-74, EN 13501-75, EN 13501-76, EN 13501-77, EN 13501-78, EN 13501-79, EN 13501-80, EN 13501-81, EN 13501-82, EN 13501-83, EN 13501-84, EN 13501-85, EN 13501-86, EN 13501-87, EN 13501-88, EN 13501-89, EN 13501-90, EN 13501-91, EN 13501-92, EN 13501-93, EN 13501-94, EN 13501-95, EN 13501-96, EN 13501-97, EN 13501-98, EN 13501-99, EN 13501-100, EN 13501-101, EN 13501-102, EN 13501-103, EN 13501-104, EN 13501-105, EN 13501-106, EN 13501-107, EN 13501-108, EN 13501-109, EN 13501-110, EN 13501-111, EN 13501-112, EN 13501-113, EN 13501-114, EN 13501-115, EN 13501-116, EN 13501-117, EN 13501-118, EN 13501-119, EN 13501-120, EN 13501-121, EN 13501-122, EN 13501-123, EN 13501-124, EN 13501-125, EN 13501-126, EN 13501-127, EN 13501-128, EN 13501-129, EN 13501-130, EN 13501-131, EN 13501-132, EN 13501-133, EN 13501-134, EN 13501-135, EN 13501-136, EN 13501-137, EN 13501-138, EN 13501-139, EN 13501-140, EN 13501-141, EN 13501-142, EN 13501-143, EN 13501-144, EN 13501-145, EN 13501-146, EN 13501-147, EN 13501-148, EN 13501-149, EN 13501-150, EN 13501-151, EN 13501-152, EN 13501-153, EN 13501-154, EN 13501-155, EN 13501-156, EN 13501-157, EN 13501-158, EN 13501-159, EN 13501-160, EN 13501-161, EN 13501-162, EN 13501-163, EN 13501-164, EN 13501-165, EN 13501-166, EN 13501-167, EN 13501-168, EN 13501-169, EN 13501-170, EN 13501-171, EN 13501-172, EN 13501-173, EN 13501-174, EN 13501-175, EN 13501-176, EN 13501-177, EN 13501-178, EN 13501-179, EN 13501-180, EN 13501-181, EN 13501-182, EN 13501-183, EN 13501-184, EN 13501-185, EN 13501-186, EN 13501-187, EN 13501-188, EN 13501-189, EN 13501-190, EN 13501-191, EN 13501-192, EN 13501-193, EN 13501-194, EN 13501-195, EN 13501-196, EN 13501-197, EN 13501-198, EN 13501-199, EN 13501-200, EN 13501-201, EN 13501-202, EN 13501-203, EN 13501-204, EN 13501-205, EN 13501-206, EN 13501-207, EN 13501-208, EN 13501-209, EN 13501-210, EN 13501-211, EN 13501-212, EN 13501-213, EN 13501-214, EN 13501-215, EN 13501-216, EN 13501-217, EN 13501-218, EN 13501-219, EN 13501-220, EN 13501-221, EN 13501-222, EN 13501-223, EN 13501-224, EN 13501-225, EN 13501-226, EN 13501-227, EN 13501-228, EN 13501-229, EN 13501-230, EN 13501-231, EN 13501-232, EN 13501-233, EN 13501-234, EN 13501-235, EN 13501-236, EN 13501-237, EN 13501-238, EN 13501-239, EN 13501-240, EN 13501-241, EN 13501-242, EN 13501-243, EN 13501-244, EN 13501-245, EN 13501-246, EN 13501-247, EN 13501-248, EN 13501-249, EN 13501-250, EN 13501-251, EN 13501-252, EN 13501-253, EN 13501-254, EN 13501-255, EN 13501-256, EN 13501-257, EN 13501-258, EN 13501-259, EN 13501-260, EN 13501-261, EN 13501-262, EN 13501-263, EN 13501-264, EN 13501-265, EN 13501-266, EN 13501-267, EN 13501-268, EN 13501-269, EN 13501-270, EN 13501-271, EN 13501-272, EN 13501-273, EN 13501-274, EN 13501-275, EN 13501-276, EN 13501-277, EN 13501-278, EN 13501-279, EN 13501-280, EN 13501-281, EN 13501-282, EN 13501-283, EN 13501-284, EN 13501-285, EN 13501-286, EN 13501-287, EN 13501-288, EN 13501-289, EN 13501-290, EN 13501-291, EN 13501-292, EN 13501-293, EN 13501-294, EN 13501-295, EN 13501-296, EN 13501-297, EN 13501-298, EN 13501-299, EN 13501-300, EN 13501-301, EN 13501-302, EN 13501-303, EN 13501-304, EN 13501-305, EN 13501-306, EN 13501-307, EN 13501-308, EN 13501-309, EN 13501-310, EN 13501-311, EN 13501-312, EN 13501-313, EN 13501-314, EN 13501-315, EN 13501-316, EN 13501-317, EN 13501-318, EN 13501-319, EN 13501-320, EN 13501-321, EN 13501-322, EN 13501-323, EN 13501-324, EN 13501-325, EN 13501-326, EN 13501-327, EN 13501-328, EN 13501-329, EN 13501-330, EN 13501-331, EN 13501-332, EN 13501-333, EN 13501-334, EN 13501-335
2	 SKIMMED CEILING - INTERNAL COLOUR: WHITE See PRASA 2.1 & 2.1A. Color spec, section P, P.11	ONE LAYER OF 6.5mm FLUSH PLASTER GYPSUM OR MAGNA BOARD CEILING (OR SIMILAR APPROVED) APPLY RHINO TAPE TO ALL JOINTS AND SKIM THE CEILING USING SIMILAR APPROVED RHINO TLE. CEILING GRIND TO BE 100 C/SQ. FINISH TO CONFORM WITH SUSPENDED TIE SYSTEM, SKIMMED AND PREPARED TO RECEIVE 2 COATS QUALITY PVA PAINT. ALL IN STRICT ACCORDANCE WITH MANUFACTURERS SPECIFICATION & REQUIREMENTS.
3	 SKIMMED CEILING-ABLUITIONS COLOUR: WHITE See PRASA 2.1 & 2.1A. Color spec, section P, P.11	ONE LAYER OF 12mm FLUSH PLASTER GYPSUM OR MAGNA BOARD CEILING (OR SIMILAR APPROVED) APPLY RHINO TAPE TO ALL JOINTS AND SKIM THE CEILING USING SIMILAR APPROVED RHINO TLE. CEILING GRIND TO BE 100 C/SQ. FINISH TO CONFORM WITH SUSPENDED TIE SYSTEM, SKIMMED AND PREPARED TO RECEIVE 2 COATS QUALITY PVA PAINT. ALL IN STRICT ACCORDANCE WITH MANUFACTURERS SPECIFICATION & REQUIREMENTS.
4	 CONCRETE SLAB	REMOVE ALL LOOSE PAINT, SURFACE CONTAMINANTS, FRIABLE MATERIALS. REMOVE ALL MOLD RELEASE AGENT USING CLEAN WATER. LEAVING SURFACE CLEAN, DRY AND MUST FREE. CONCRETE SOPSITS TO BE 100 C/SQ. FINISH TO CONFORM WITH SUSPENDED TIE SYSTEM, SKIMMED AND PREPARED TO RECEIVE 2 COATS QUALITY PVA PAINT. ALL IN STRICT ACCORDANCE WITH MANUFACTURERS SPECIFICATION & REQUIREMENTS.
5	 NO CEILING	NO CEILING.

GENERAL NOTES:

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[illegible][illegible]

MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	MIR E. MGUZUMABANE	22/07/2022
CHECKED		
ENG. COORD		
ARCHITECT	M. MADIBA	22/07/2022
ELEC. ENG.		
MECH. ENG.		
STRUCT. ENG.		
CIVIL ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME		DATE
SIGNATURE		
REG. NUMBER		

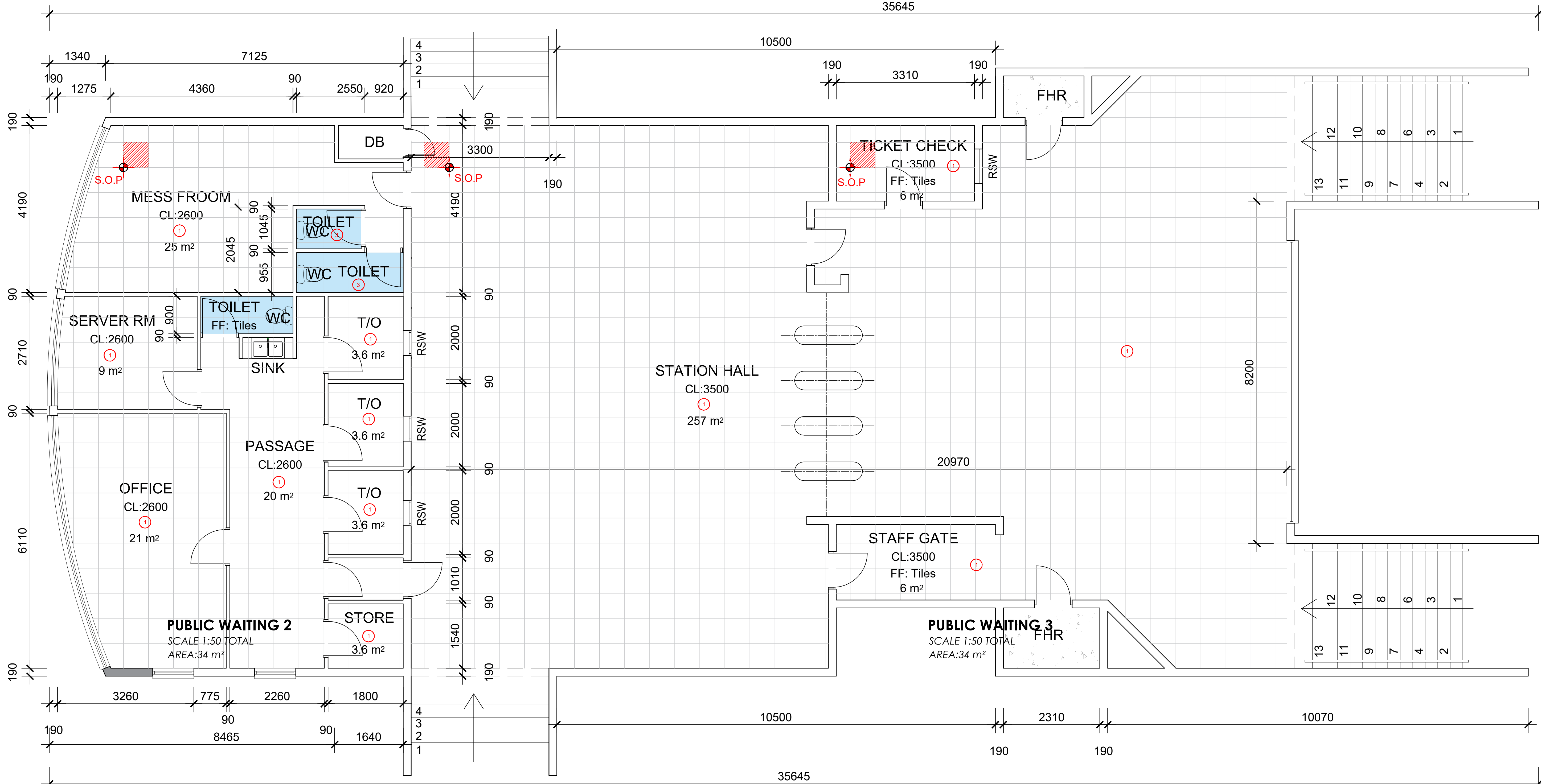
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ADDITIONS & ALATERATIONS

UMBILO STATION CEILING LAYOUTS

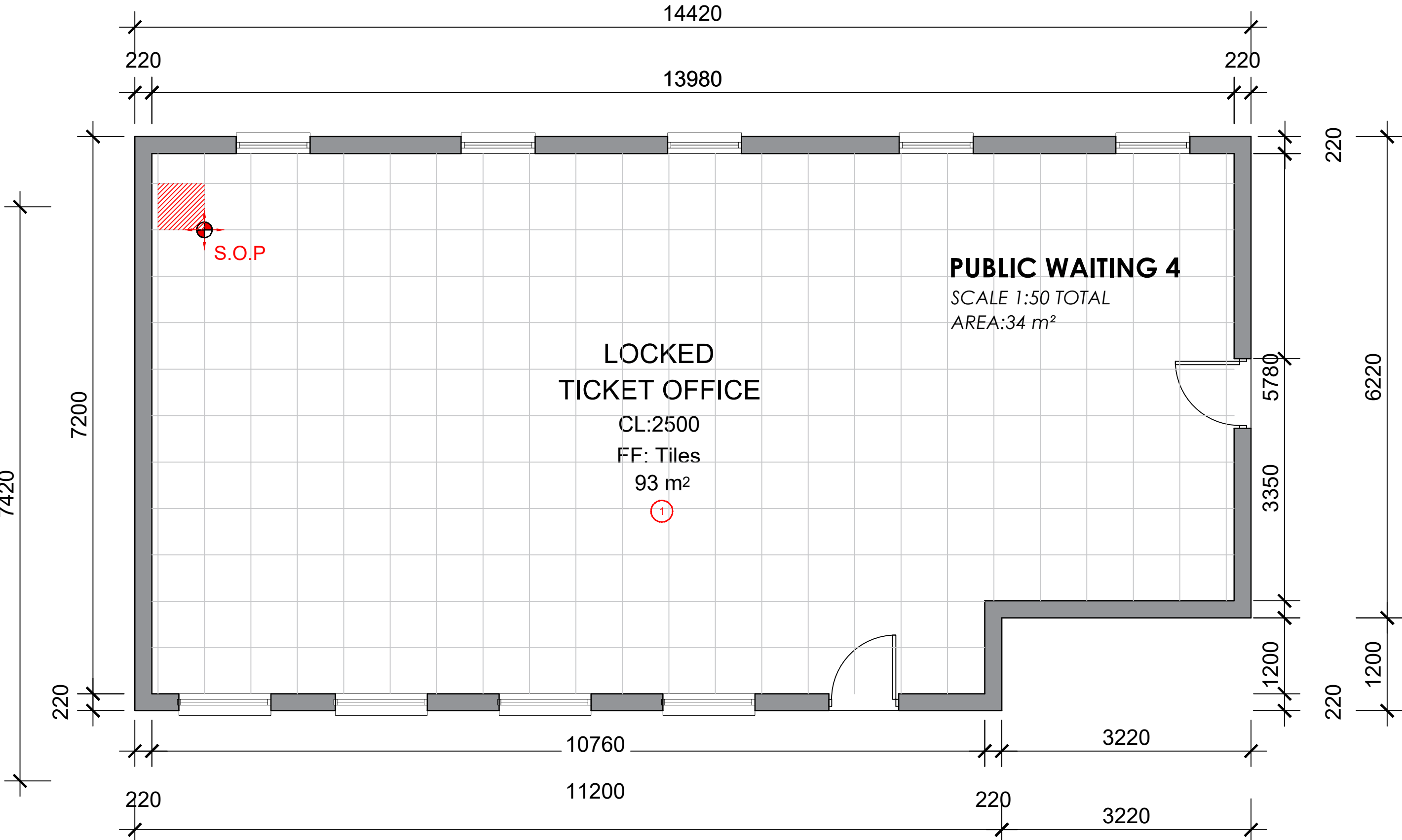
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REFURBRISHMENT NOTES:

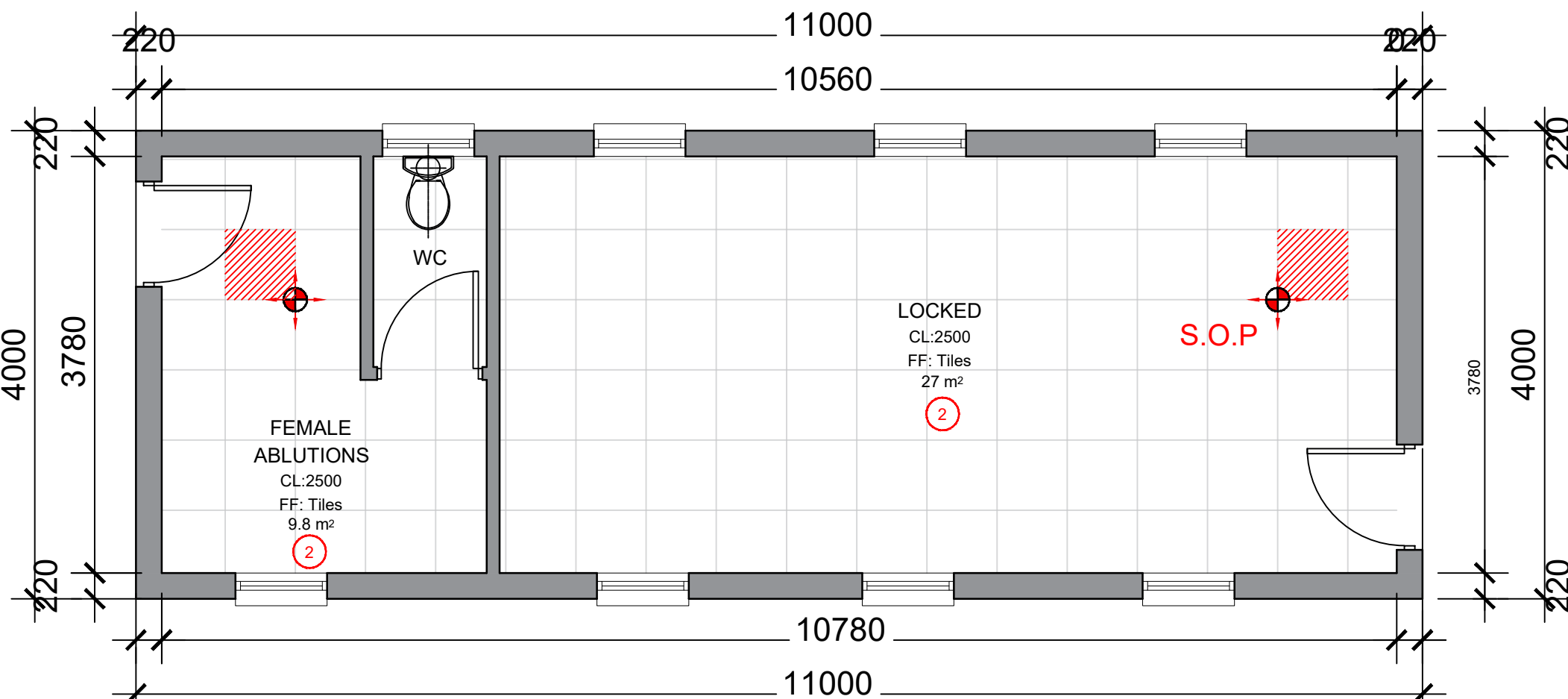
1. REPLACE CORRODED SHEETING WITH NEW GRS 0.58mm CHROMADEK KLIP-LOK 700 ROOF SHEETING.
2. REPLACE MISSING/DAMAGED FASCIA/BARGE BOARDS WITH NEW FIBRE CEMENT BOARDS ,TO BE PAINTED AND MATCH EXISTING.
3. REPLACED DAMAGED RAINWATER GUTTERS & DOWNPIPES WITH NEW SEAMLESS ALUMINUM GOODS.
4. REPLACE DAMAGED CEILING PANELS WITH NEW TO MATCH EXISTING /SIMILAR APPROVED.REFER TO CEILING LAYOUT.
5. SCRAPE OFF DAMAGED EXISTING WALL FINISHES AND APPLY NEW PLASTER WHERE AFFECTED.NEW PAINT TO BE APPLIED IN ACCORDANCE TO TECHNICAL SPECIFICATIONS & PRASA BLUE PRINT.ALL STRUCTURAL AND NON-STRUCTURAL CRACKS TO BE DEEMED TO SATISFY ENGINEERS' RECOMMENDATION.
6. CONCRETE FLOORS TO BE PRESSURE WASHED.REFURBISH/REPAIR/ DAMAGED AREA.RESTORE TO ORIGINAL CONDITION
7. REPLACED DAMAGED FLOOR FINISHES WITH NEW TO MATCH EXISTING IN ACCORDANCE TO TECHNICAL SPECIFICATIONS & PRASA BLUE PRINT.REFER TO FLOOR FINISH LAYOUT.
9. EXISTING STAIRCASE TO BE REFURBISHED, MADE GOOD, REPLACE DAMAGED FLOOR FINISH WITH NEW/ NON-SLIP TILES TO MATCH EXISTING. BALUSTRADES TO BE REFURBISHED AND STAIRCASE TO COMPLY WITH SANS10400 PART "M".
10. REPAIR/REPLACE ALL DAMAGED DOORS/ROLLER SHUTTERS AND SUPPORTING IRONMONGERY WITH NEW TO MATCH EXISTING.
11. REPAIR/REPLACE ALL DAMAGED WINDOWS AND SUPPORTING IRONMONGERY WITH NEW TO MATCH EXISTING.GLAZING TO COMPLY WITH SANS 10400 PART N.
12. DAMAGED SPEED GATE CHAIRS/FURNITURE TO BE REPLACED WITH NEW TO MATCH EXISTING.
13. REMOVE ALL DAMAGED/DETERIORATED FITTINGS & FIXTURES.REPLACE WITH NEW SABS APPROVED GOODS IN RELATION TO TECHNICAL SPECIFICATIONS & PRASA BLUE PRINT.
14. REPLACE DAMAGED CARPENTRY WORKS WITH NEW,IN ACCORDANCE TO PRASA BLUE PRINT.
15. NEW SIGNAGES,BINS AND BENCHES AS PER TECHNICAL SPECIFICATIONS & PRASA BLUE PRINT.



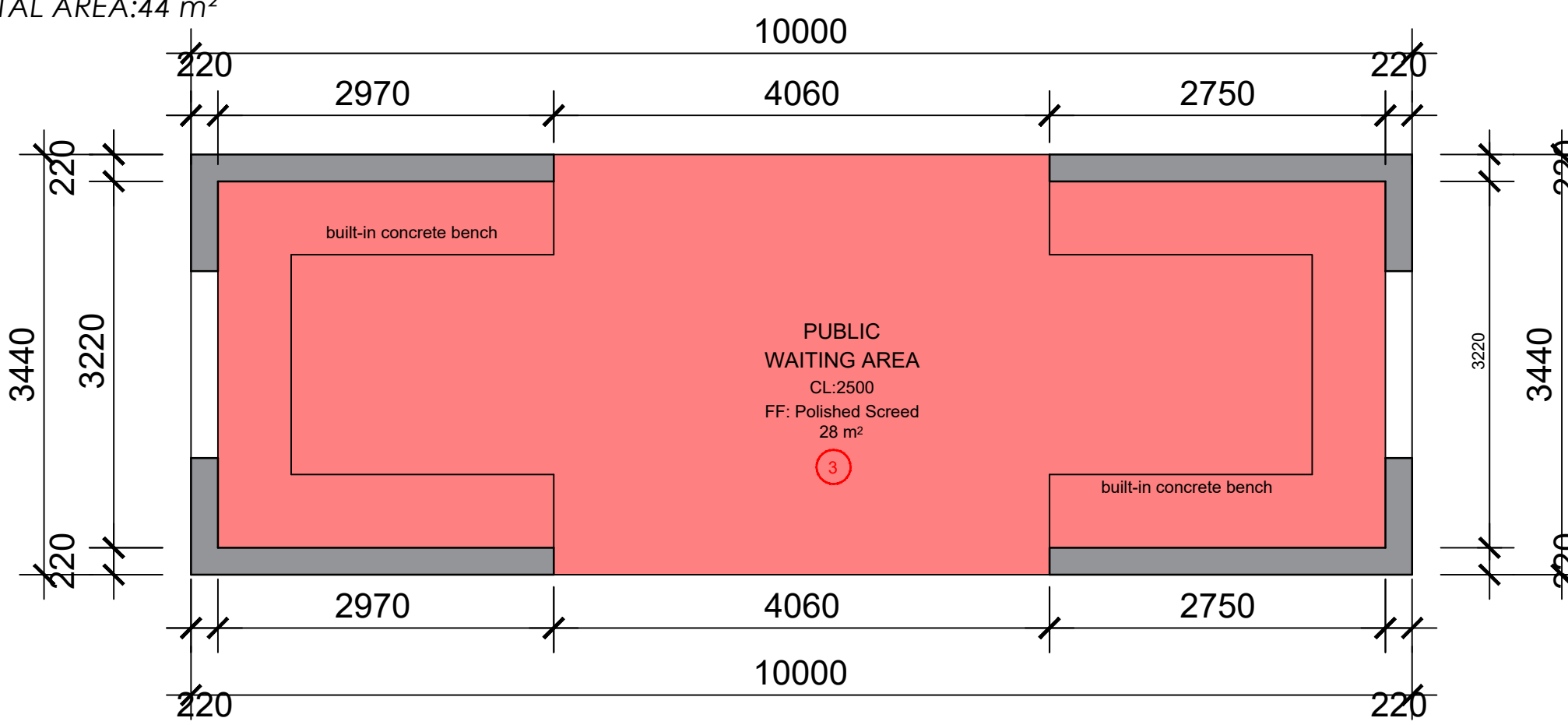
STATION HALL
SCALE 1:100 TOTAL
AREA:334 m²



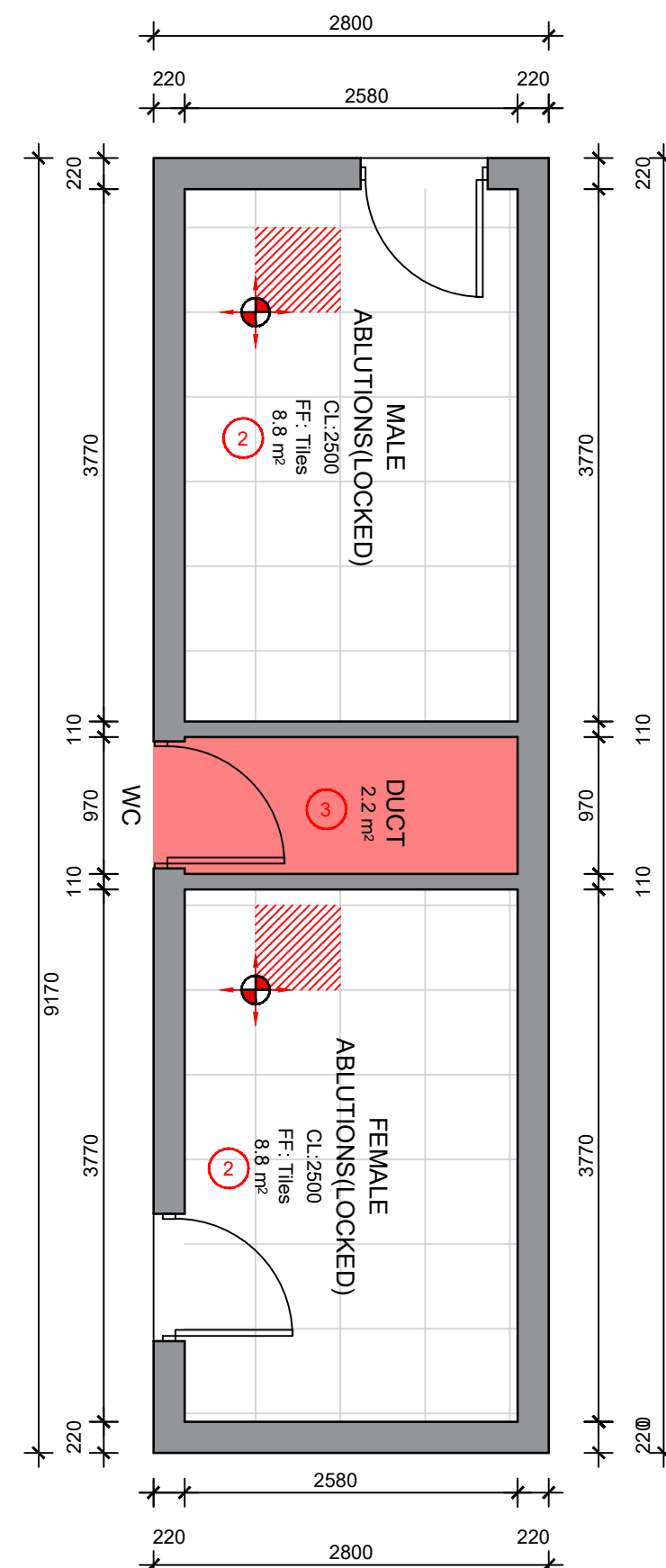
OLD TICKET OFFICE
SCALE 1:100
TOTAL AREA:102 m²



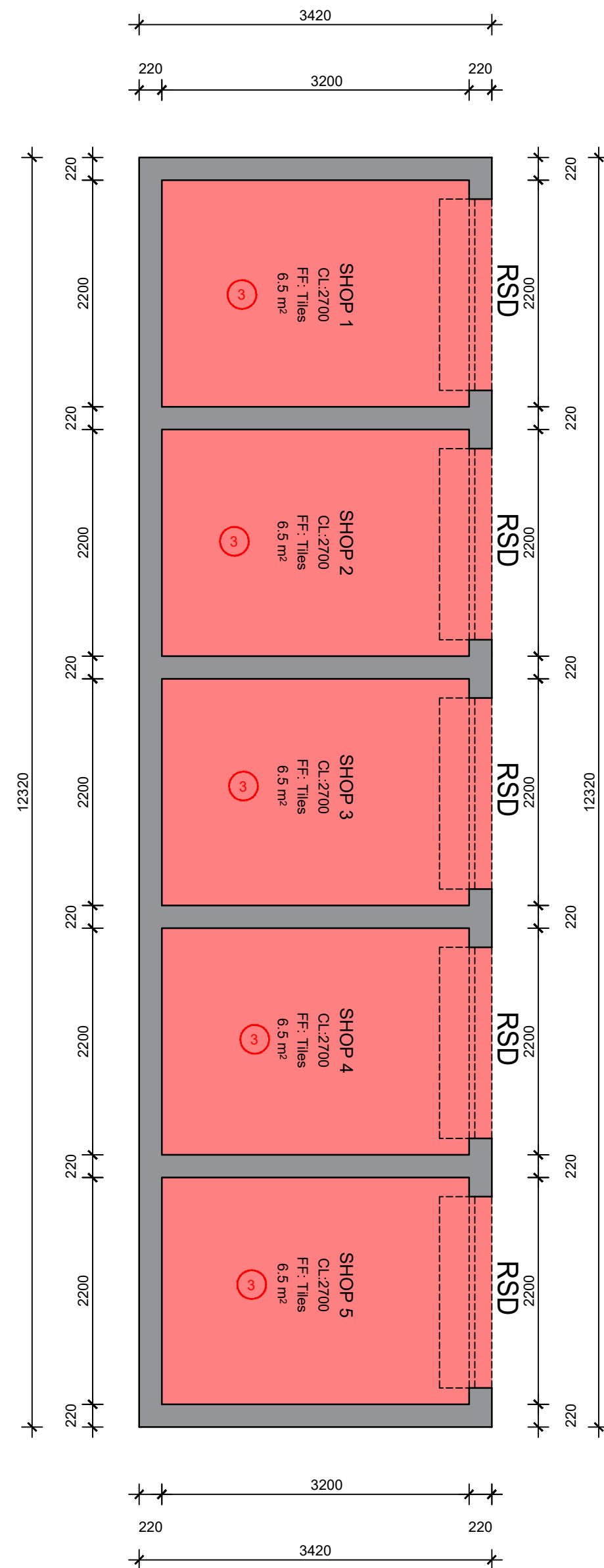
ABLUTIONS 1 (LOCKED)
SCALE 1:50
TOTAL AREA:44 m²



PUBLIC WAITING 1
SCALE 1:50 TOTAL
AREA:34 m²



ABLUTIONS 2 (LOCKED)
SCALE 1:50
TOTAL AREA:44 m²



VENDING STORES
SCALE 1:50 TOTAL
AREA:42 m²

FLOOR LEGEND

FINISHES SCHEDULE	DESCRIPTION
① 600x600 Porcelain floor tile	600 x 600mm min R9 preferably R10 slip rated Full Bodied Porcelain tiles, mineralised with 3mm grouting lines from Union Tiles, Tilespace, JNB Ceramica or Tiletoria - Natural finish. Full bodied porcelain tiles, size 600 x 600mm x 10mm fixed to internal floor screed with TAL tile adhesive (elsewhere specified) mixed with TAL bonding liquid in lieu of water with diagonal joints continuous in both directions and grouted with TAL tile grout, excess grout on the surface to be cleaned with water as work proceeds.
② 600x600 Porcelain floor tile	600 x 600mm min R9 preferably R10 slip rated Full Bodied Porcelain tiles, mineralised with 3mm grouting lines from Union Tiles, Tilespace, JNB Ceramica or Tiletoria - Natural finish. Full bodied porcelain tiles, size 600 x 600mm x 10mm fixed to internal floor screed with TAL tile adhesive (elsewhere specified) mixed with TAL bonding liquid in lieu of water with diagonal joints continuous in both directions and grouted with TAL tile grout, excess grout on the surface to be cleaned with water as work proceeds.
③ 50mm SOFFIT	Refurbish/repair concrete floor where damaged with similar approved. Power floated surface bed as per Engineer's specification.

FLOOR FINISH NOTE :
ALLOW REFURBISHMENTS OF 80% OF THE TOTAL AREA
FOR DAMAGED FLOOR FINISH.

GENERAL NOTES:

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS.
2. ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECK ON SITE BEFORE WORK PUT ON HAND.
3. REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER.
4. THIS DRAWING MUST NOT BE USED TO SCALE OFF. USE ONLY WRITTEN DIMENSIONS. CONTACT THE ENGINEER OR ARCHITECT WHERE CLARITY IS SOUGHT.
5. FOR SETTING OUT DATA, SETTING OUT POINTS AND DATUM LEVELS REFER TO SURVEY INFORMATION AND ARCHITECT'S DRAWINGS.
6. STRUCTURAL WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.N.S. SPECIFICATIONS. ALL CONCRETE WORKS IS TO BE DONE IN ACCORDANCE WITH S.A.N.S 1200G AND EARTHWORKS IS ACCORDANCE WITH S.A.N.S 1200D.
7. CONSULT RELEVANT ARCHITECT'S, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLET, RWDPS AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.

DRAWING NO.	REFERENCE	NO.	DESCRIPTION	BY	CHKD	APPD	DATE
REFERENCE DRAWINGS				REVISIONS / ISSUE AUTHORIZATION			
				This Documents include all design and information therein is considered Intellectual Property of LODEMANN Holdings. Copyright and all other rights are reserved by LODEMANN Holdings. This Document may only be used for its intended purpose.			

		
PASSENGER RAIL AGENCY OF SOUTH AFRICA		
CLIENT		
TITLE	NAME	DATE




MAIN CONSULTANT	
TITLE	NAME
DRAWN	MR E. MGUZUMABANE
CHECKED	22/07/2022
ENG. COORD	
ARCHITECT	M. MADIBA
ELEC. ENG.	
MECH. ENG.	
STRUCT. ENG.	
CIVIL. ENG.	
INSTRU. ENG.	
PROC. ENG.	
APPROVED BY	
NAME	DATE
SIGNATURE	
REG. NUMBER	



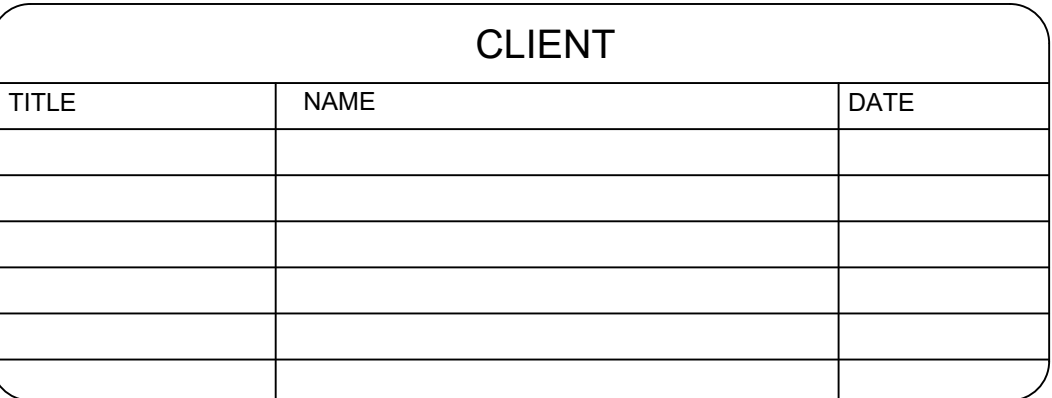
PRASA MAINTENANCE PLAN/
ADDITIONS & ALATERATIONS
UMBULO STATION
FLOOR FINISHES I

SCALE	DATE	Drawing Number	CLIENT Drawing Number	Rev.	Sheet Size	Status
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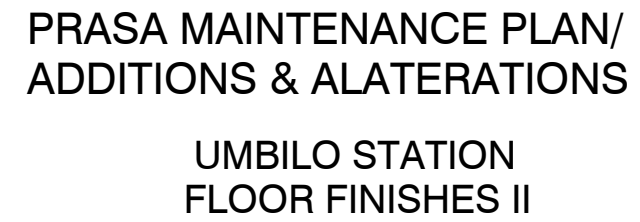


FINISHES SCHEDULE		DESCRIPTION
①	 600x600 Porcelain tile	600 x 600mm min R9 preferably R10 slip rated Full Bodied Porcelain tiles, mineralised with 3mm grouting lines from Union Tiles, Tilespace, JNB Ceramica or Tiletoria. Natural finish. Full bodied Porcelain tiles, size 600 x 600mm x 10mm fixed to internal floor screed with TAL tile adhesive (elsewhere specified) mixed with TAL bonding liquid in lieu of water with diagonal joints continuous in both directions and grouted with TAL tile grout, excess grout on the surface to be cleaned with water as work proceeds.
②	 600x600 Porcelain tile	600 x 600mm min R9 preferably R10 slip rated Full Bodied Porcelain tiles, mineralised with 3mm grouting lines from Union Tiles, Tilespace, JNB Ceramica or Tiletoria. Natural finish. Full bodied Porcelain tiles, size 600 x 600mm x 10mm fixed to internal floor screed with TAL tile adhesive (elsewhere specified) mixed with TAL bonding liquid in lieu of water with diagonal joints continuous in both directions and grouted with TAL tile grout, excess grout on the surface to be cleaned with water as work proceeds.
③	 50mm SOFFIT	Refurbish/repair concrete floor where damaged with similar approval. Power floated surface bed as per Engineer's specification.

1. THIS DRAWING SHOULD BE READ IN CONNECTION WITH ARCHITECT'S DRAWINGS.
2. ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECK ON SITE BEFORE WORK PUT ON HAND.
3. REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER.
4. THIS DRAWING MUST NOT BE USED TO SCALE OFF. USE ONLY WRITTEN DIMENSIONS. CONTACT THE ENGINEER OR ARCHITECT WHERE CLARITY IS SOUGHT.
5. FOR SETTING OUT DATA, SETTING OUT POINTS AND DATUM LEVELS REFER TO THE INFORMATION AND DATA PROVIDED BY THE ARCHITECT.
6. STRUCTURAL WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.N.S. SPECIFICATIONS. ALL CONCRETE WORKS IS TO BE DONE IN ACCORDANCE WITH S.A.N.S. 1200S AND EARTHWORKS IS ACCORDANCE WITH S.A.N.S. 1200D.
7. CONSULT RELEVANT ARCHITECTS, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLET, RWPDs AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.

[illegible]

MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	MR E. MGUZUMABANE	22/07/2022
CHECKED		
ENG. COORD		
ARCHITECT	M. MADIBA	22/07/2022
ELEC. ENG.		
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME		DATE
SIGNATURE		
REG. NUMBER		



SCALE :	DATE	Drawing Number	CLIENT Drawing Number	Rev.	Sheet size	Status.
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DOOR SCHEDULE

TP-01

ISSUE FOR INFORMATION

DOOR NOTES

ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.
REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.
BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND/OR SHOP DRAWINGS ARE PUT IN HANDS.
ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASIS ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.
ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND THOROUGHLY.
ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.
ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.

LINTEL HEIGHT
F.F.L.
ALUMINUM KICK PLATE

DOOR NOTES

ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.
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ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.
ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.

TP-02

ISSUE FOR INFORMATION

DOOR NOTES

ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.
REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.
BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND/OR SHOP DRAWINGS ARE PUT IN HANDS.
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ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND THOROUGHLY.
ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.
ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.

LINTEL HEIGHT
F.F.L.
ALUMINUM KICK PLATE
PUSH OFF INDICATOR

DOOR NOTES

ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.
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ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.
ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.

TP-03

ISSUE FOR INFORMATION

DOOR NOTES

ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.
REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.
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ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.
ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.

LINTEL HEIGHT
F.F.L.
ALUMINUM KICK PLATE
PUSH OFF INDICATOR

DOOR NOTES

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REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.
BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND/OR SHOP DRAWINGS ARE PUT IN HANDS.
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ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND THOROUGHLY.
ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.
ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.

TP-04

ISSUE FOR INFORMATION

DOOR NOTES

ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.
REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.
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ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.
ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.

LINTEL HEIGHT
F.F.L.
ALUMINUM KICK PLATE
PUSH OFF INDICATOR

DOOR NOTES

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ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND THOROUGHLY.
ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.
ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.

TP-05

ISSUE FOR INFORMATION

DOOR NOTES

ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.
REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.
BRICK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND/OR SHOP DRAWINGS ARE PUT IN HANDS.
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ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.
ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.

LINTEL HEIGHT
F.F.L.
ALUMINUM KICK PLATE
PUSH OFF INDICATOR

DOOR NOTES

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ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.
ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME TO BE SHOT FIXED TO CONCRETE SLAB.

LOCATION	STATION HALL AND ADMIN OFFICES
QUANTITY	12
TYPE	DOOR: 900mm WIDE x 2100mm HIGH STEEL FRAMED DOOR
FINISH	WOOD TO BE SEALED WITH UNBLEACHED OIL OR OTHER RECOMMENDED SEALANTS BY MANUFACTURER AND TO BE PAINTED TO ARCHITECT SPEC. APPROVED BY CLIENT.
GLAZING	NONE
IRON MONGERY	IRONMONGERY SCHEDULE BY SPECIALIST. IN ACCORDANCE TO PRASA BLUE PRINT.
DOOR & FRAME DESCRIPTION	900mm x 2100mm SOLID TIMBER DOOR SIDES AND CONCEALED EDGES TO SUIT OPENING. DOOR TO BE FITTED WITH 3 x HINGES PER LEAF ALL TO SPECIALIST DETAILS. COLOUR OF THE DOOR AND FRAME TO ARCHITECT'S SPECIALIST.

LOCATION	OFFICE ABILITIES
QUANTITY	3
TYPE	DOOR: 900mm WIDE x 2100mm HIGH ALUMINUM FRAME
FINISH	WOOD TO BE SEALED WITH UNBLEACHED OIL OR OTHER RECOMMENDED SEALANTS BY MANUFACTURER AND TO BE PAINTED TO ARCHITECT SPEC. APPROVED BY CLIENT.
GLAZING	N/A
IRON MONGERY	IRONMONGERY SCHEDULE BY SPECIALIST. IN ACCORDANCE TO PRASA BLUE PRINT.
DOOR & FRAME DESCRIPTION	900mm x 2100mm SEMI SOLID TIMBER DOOR SIDES AND CONCEALED EDGES TO SUIT OPENING. DOOR TO BE FITTED WITH 3 x HINGES PER LEAF ALL TO SPECIALIST DETAILS. COLOUR OF THE DOOR AND FRAME TO ARCHITECT'S SPECIALIST.

LOCATION	STATION HALL ADMIN
QUANTITY	2
TYPE	DOOR: 900x2032x44mm ALUMINUM FRAMED SOLID DOOR
FINISH	PRIMED & PAINTED WITH 2 COATS PLASCON VELVAGLO APPLIED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATION. COLOR: T.B.C.
GLAZING	NONE
IRON MONGERY	IRONMONGERY SCHEDULE BY SPECIALIST. 2 No. 'BILDAWARE' FLOOR MOUNTED DOOR HOLD OPEN CATCH, CODE: B2387, SIZE: 150x60mm, SATIN CHROME FINISH. 2 No. 'TODMAN' T501 END DOOR CLOSERS WITH BLISS CHAMBER. 1.5 PAIRS HOWICK HOSER 100x70mm BRASS BUTT HINGES WITH DOUBLE NYLON WASHERS PER LEAF.
DOOR & FRAME DESCRIPTION	HEAVY DUTY ANTI BANDIT TIMBER DOOR, WITH GMS (ICOSTAAL) & MS (INLAND) PRESSED METAL FRAME TO SUITE DOOR & WALL. PRIMED & PAINTED WITH 2 COATS

LOCATION	TICKET OFFICES
QUANTITY	3
TYPE	DOOR: 900x2032x44mm ALUMINUM FRAMED SOLID DOOR
FINISH	PRIMED & PAINTED WITH 2 COATS PLASCON VELVAGLO APPLIED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATION. COLOR: T.B.C.
GLAZING	NONE
IRON MONGERY	IRONMONGERY SCHEDULE BY SPECIALIST. 2 No. 'BILDAWARE' FLOOR MOUNTED DOOR HOLD OPEN CATCH, CODE: B2387, SIZE: 150x60mm, SATIN CHROME FINISH. 2 No. 'TODMAN' T501 END DOOR CLOSERS WITH BLISS CHAMBER. 1.5 PAIRS HOWICK HOSER 100x70mm BRASS BUTT HINGES WITH DOUBLE NYLON WASHERS PER LEAF.
DOOR & FRAME DESCRIPTION	HEAVY DUTY ANTI BANDIT TIMBER DOOR, WITH GMS (ICOSTAAL) & MS (INLAND) PRESSED METAL FRAME TO SUITE DOOR & WALL. PRIMED & PAINTED WITH 2 COATS

LOCATION	STATION HALL
QUANTITY	30
TYPE	DOOR: 1800mm WIDE x 2100mm HIGH ALUMINUM FRAMED ROLLER SHUTTER DOOR, TO MATCH EXISTING DOOR
FINISH	POWDER COATED 'MATT' DARK UMBER GREY ANP 3987
GLAZING	NONE
IRON MONGERY	IRONMONGERY SCHEDULE BY SPECIALIST.
DOOR & FRAME DESCRIPTION	MAXIDOR SPANDA SEKRAND ROLL UP PERFORATED GALVANIZED, SABS 1461, & EPOXY COATED MS PERFORATED ROLLER SHUTTER FOR OPENINGS UP TO 3M x 4M HIGH. ELECTRICALLY OPERATED WITH 220 VOLT 4.600 MOTOR WITH MANUAL OVERIDE, WITH 75 X 10MM THICK GALV. ENDOCLOSED SLATS COMPLETE WITH NYLON END-CLOS. 100MM EXTRA-WIDE TAMPER PROOF MS GUIDES. POWDER COATED ANCILLARY COMPONENTS INCLUDING DOOR CURTAIN, 4.5MM THICK END PLATES, GUIDE RAILS, CLOSER, SHUNT, EXTRUDED ALUMINUM L-SEAM WITH ASTRALUX RUBBER WEATHER SEAL, & SINGLE SPAN AND JOIN GEAR. COOPER BOX, OPERATED WITH HIGH SECURITY KEY SWITCH. FIXED TO BRICK, CONCRETE OR STRUCTURAL STEEL. JAMBS AND STRUCTURAL STEEL BEAM OVER. CONTRACTOR TO PROVIDE CAVITY OF 160MM x 120MM FOR RECEIVING GUIDES.

DOOR SCHEDULE

TP-06

ISSUE FOR INFORMATION

DOOR NOTES

ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.

REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.

BLOCK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND/OR SHOP DRAWINGS ARE PUT IN HANDS.

ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASE ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.

ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY.

ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.

ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME, TO BE SHOT FIXED TO CONCRETE SLAB.

1855

2400

LINTEL HEIGHT

PFL

FFL

COPY RIGHT RESERVED. THE PROPOSAL AND SPECIFICATIONS MAY BE MADE BY THE MANUFACTURER OF THIS SCHEDULE WITHOUT THE KNOWLEDGE OR THE CONSENT OF THE MAIN CONTRACTOR OF THE PROJECT.

LOCATION

PUBLIC ABILITIES

QUANTITY

5

FINISH

POWDER COATED "MATT DARK UMBER GREY" **ANP 3057**

GLAZING

NONE

IRON MONGERY

IRONMONGERY SCHEDULE BY SPECIALIST.

DOOR & FRAME DESCRIPTION

MAGNOR XPANDA SERRANDA ROLL-UP PERFORATED GALVANISED, SABS 1461, & EPOXY COATED MS PERFORATED ROLLER OVERSIDE WITH 75 X 1.1MM THICK GALV ENCLOSED SLATS COMPLETE WITH NYLON ENDLOCKS, 120MM EXTRA-WIDE TIMBER FINISH MS GUIDE RAILS COVERED WITH ANODIZED ALUMINIUM INCLUDING DOWN RAIL, 4MM THICK ALUMINUM PLATES, GUIDE RAILS, CLOSED SHAFT, EXTRUDED ALUMINIUM T-BARS WITH ASTRAFAL RUBBER WEATHER SEAL, & SINGLE SPAN NO DOWN GASKET COVER BOX OPERATED WITH HIGH SECURITY KEY SWITCH, FIXED TO BRICK, CONCRETE OR STRUCTURAL STEEL JAMBS AND STRUCTURAL STEEL BEAM OVER, CONTRACTOR TO PROVIDE CAVITY OF 100MM X 120MM FOR RECESSING GUIDES.

TP-07

ISSUE FOR INFORMATION

DOOR NOTES

ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.

REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.

BLOCK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND/OR SHOP DRAWINGS ARE PUT IN HANDS.

ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASE ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.

ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY.

ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.

ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME, TO BE SHOT FIXED TO CONCRETE SLAB.

LINTEL HEIGHT

PFL

FFL

LOCK

HINGLES & LUGS

ALUMINUM KICK PLATE

COPY RIGHT RESERVED. THE PROPOSAL AND SPECIFICATIONS MAY BE MADE BY THE MANUFACTURER OF THIS SCHEDULE WITHOUT THE KNOWLEDGE OR THE CONSENT OF THE MAIN CONTRACTOR OF THE PROJECT.

LOCATION

PUBLIC ABILITIES

QUANTITY

5

FINISH

70mm, 1.2mm GALVANIZED SLAT MATERIAL, OR OTHER RECOMMENDED SLAT BY MANUFACTURE.

GLAZING

NONE

IRON MONGERY

IRONMONGERY SCHEDULE BY SPECIALIST, IN ACCORDANCE TO PRASA BLUE PRINT.

DOOR & FRAME DESCRIPTION

900mm x 2100mm GALVANISED AND EPOXY COATED MS STEEL DOOR SIDES AND CONCEALED EDGES TO SUIT OPENING, DOOR TO BE FITTED WITH 3 x HINGES PER LEAF ALL TO SPECIALIST DETAILS.

TP-08

ISSUE FOR INFORMATION

DOOR NOTES

ALL DOOR SIZES ARE DESIGN, SUPPLY AND FIXED.

REFER ALL DISCREPANCIES TO ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.

BLOCK OPENING TO BE CONFIRMED ON SITE BEFORE ANY WORK AND/OR SHOP DRAWINGS ARE PUT IN HANDS.

ARCHITECT APPROVES DRAWINGS ON AESTHETIC BASE ONLY AND DESIGN RESPONSIBILITY REMAINS WITH SUBCONTRACTOR.

ANY CEMENT SPLASHES TO BE WASHED OFF IMMEDIATELY WITH CLEAR WATER AND DRIED THOROUGHLY.

ALL DOORS MUST BE INSTALLED SQUARE, TRUE AND PLUMB.

ALL DOOR FRAMES FOR POWER FLOATED DOORS TO BE PROVIDED WITH ADDITIONAL LUGS AT BOTTOM OF FRAME, TO BE SHOT FIXED TO CONCRETE SLAB.

LINTEL HEIGHT

PFL

FFL

PUSH INDICATOR

COPY RIGHT RESERVED. THE PROPOSAL AND SPECIFICATIONS MAY BE MADE BY THE MANUFACTURER OF THIS SCHEDULE WITHOUT THE KNOWLEDGE OR THE CONSENT OF THE MAIN CONTRACTOR OF THE PROJECT.

LOCATION

MALE AND FEMALE CURICLES

QUANTITY

7

FINISH

WOOD TO BE SEALED WITH LINESEED OIL OR OTHER RECOMMENDED SEALANTS BY MANUFACTURE AND TO BE PAINTED TO ARCHITECT SPEC APPROVED BY CLIENT.

GLAZING

N/A

IRON MONGERY

IRONMONGERY SCHEDULE BY SPECIALIST, IN ACCORDANCE TO PRASA BLUE PRINT.

DOOR & FRAME DESCRIPTION

900mm x 2100mm SEMI SOLID TIMBER DOOR SIDES AND CONCEALED EDGES TO SUIT OPENING, DOOR TO BE FITTED WITH 3 x HINGES PER LEAF ALL TO SPECIALIST DETAILS. COLOUR OF THE DOOR AND FRAME TO ARCHITECTS SPECIALIST.

DOOR NOTE:

- ALL EXISTING INTERNAL AND EXTERNAL DAMAGED STEEL AND TIMBER DOORS AND FRAMES TO BE REMOVED AND REPLACED WITH NEW FRAMES, WHERE NECESSARY, TO MATCH EXISTING. STRICTLY REFER TO ARCHITECTS BEFORE ANY DOOR FRAME REMOVAL.
- ALL NEW INTERNAL AND EXTERNAL STEEL DOOR FRAMES TO BE SANDED DOWN, TREATED AND PAINTED WITH PLASCON PROFESSIONAL GLOSS ENAMEL (PBS 1000) OR DULUX TRADE GLOSS ENAMEL PAINT, IN ACCORDANCE TO PRASA BLUE PRINT.
- ALL NEW ALUMINIUM DOOR FRAMES TO BE NATURAL ANODISED ALUMINIUM, IN ACCORDANCE TO PRASA BLUE PRINT.
- ALL EXISTING INTERNAL AND EXTERNAL TIMBER DOOR FRAMES TO BE SANDED DOWN & VARNISHED OR REPAINTED WITH TWO COATS OF QUALITY VARNISH AS PER HERITAGE REQUIREMENTS.
- PAINT ALL INTERNAL DOOR LEAFS TO BE PAINTED WITH PLASCON OR DULUX TRADE PEARLGLO EMULSION PAINT.
- PAINT ALL EXTERNAL DOOR LEAFS TO BE PAINTED WITH PLASCON PROFESSIONAL OR DULUX TRADE GLOSS ENAMEL PAINT.
- EXISTING SECURITY BANDIT GATES TO BE CLEANED AND REPAIRED. PROPOSE NEW GALVANIZED STEEL SECURITY GATES WHERE NECESSARY ACCORDING TO THE CLIENT.

GENERAL NOTES:

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS.
2. ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECK ON SITE BEFORE WORK PUT ON HAND.
3. REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER.
4. THIS DRAWING MUST NOT BE USED TO SCALE OFF. USE ONLY WRITTEN DIMENSIONS. CONTACT THE ENGINEER OR ARCHITECT WHERE CLARITY IS SOUGHT.
5. FOR SETTING OUT DATA, SETTING OUT POINTS AND DATUM LEVELS REFER TO THE SETTING OUT INFORMATION IN ARCHITECT'S DRAWINGS.
6. STRUCTURAL WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.N.S SPECIFICATIONS. ALL CONCRETE WORKS IS TO BE DONE IN ACCORDANCE WITH S.A.N.S 1200S AND EARTHWORKS IS ACCORDANCE WITH S.A.N.S 1200D.
7. CONSULT RELEVANT ARCHITECTS, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLET, RWPODS AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.

[illegible]

MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	MR E. MGUZUMABANE	22/07/2022
CHECKED		
ENG. COORD		
ARCHITECT	M. MADIBA	22/07/2022
ELEC. ENG.		
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME		DATE
SIGNATURE		
REG. NUMBER		



LODEMAN

PRASA MAINTENANCE PLAN/
ADDITIONS & ALATERATIONS

UMBILO STATION
DOOR SCHEDULE

SCALE :	DATE	Drawing Number	CLIENT Drawing Number	Rev.	Sheet size	Status.
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DOOR SCHEDULE

TP-01			5800			TP-02			2030			TP-03								
CURTAIN WALL TO WELL REFURBISHED WITH SIMILAR APPROVED, in accordance to PRASA.						CURTAIN WALL TO WELL REFURBISHED WITH SIMILAR APPROVED, in accordance to PRASA.						ISSUE FOR INFORMATION								
SHOP DRAWINGS TO BE SUBMITTED TO ARCHITECTS FOR APPROVAL, PRIOR TO MANUFACTURE.						SHOP DRAWINGS TO BE SUBMITTED TO ARCHITECTS FOR APPROVAL, PRIOR TO MANUFACTURE.														
CELL LVL: 800MM						CELL LVL: 800MM														
LOCATION	STATION OFFICES					LOCATION	STATION OFFICES					LOCATION	STATION HALL ADMIN PASSAGE							
QUANTITY	2					QUANTITY	2					QUANTITY	1							
FINISH	POWDER COATED CHARCOAL ALUMINIUM WINDOW, OR SIMILAR APPROVED.					FINISH	POWDER COATED CHARCOAL ALUMINIUM WINDOW, OR SIMILAR APPROVED.					FINISH	POWDER COATED CHARCOAL ALUMINIUM WINDOW, IN ACCORDANCE TO PRASA SPEC.							
GLAZING	ALL GLAZING TO COMPLY WITH PART N OF SANS 10400					GLAZING	ALL GLAZING TO COMPLY WITH PART N OF SANS 10400					GLAZING	6mm FROSTED SAFETY GLAZING THROUGHOUT. ALL GLAZING TO COMPLY WITH PART N OF SANS 10400							
IRON MONGERY	IRONMONGERY SCHEDULE BY SPECIALIST, IN ACCORDANCE TO PRASA BLUE PRINT.					IRON MONGERY	IRONMONGERY SCHEDULE BY SPECIALIST, IN ACCORDANCE TO PRASA BLUE PRINT.					IRON MONGERY	IRONMONGERY SCHEDULE BY SPECIALIST, IN ACCORDANCE TO PRASA BLUE PRINT.							
FURNITURE	FURNITURE BY SPECIALIST, IN ACCORDANCE TO PRASA BLUE PRINT.					FURNITURE	FURNITURE BY SPECIALIST, IN ACCORDANCE TO PRASA BLUE PRINT.					FURNITURE	FURNITURE BY SPECIALIST, IN ACCORDANCE TO PRASA BLUE PRINT.							
LOCKSETS AND VANCEY	NONE					LOCKSETS AND VANCEY	NONE					LOCKSETS AND VANCEY	NONE							

DOOR SCHEDULE

<div>TP-04</div>	<div></div>	<div>TP-05</div>	<div>TP-06</div>	<div></div>
<div> <div>CURTAIN WALL TO VELL REFURBISHED WITH SIMILAR APPROVED, in accordance to PRASA.</div> <div>SHOP DRAWINGS TO BE SUBMITTED TO ARCHITECTS FOR APPROVAL PRIOR TO MANUFACTURE.</div> </div>	<div></div>	<div></div>	<div></div>	<div></div>
<div></div>	<div> </div>	<div> </div>	<div> </div>	<div></div>
<div> <div>LOCATION</div> <div>STATION HALL</div> </div>	<div> <div>QUANTITY</div> <div>1</div> </div> <div> <div>FINISH</div> <div>POWDER COATED CHARCOAL ALUMINIUM WINDOW, OR SIMILAR APPROVED.</div> </div> <div> <div>GLAZING</div> <div>ALL GLAZING TO COMPLY WITH PART N OF SANS 10400</div> </div> <div> <div>IRON MONGERY</div> <div>IRONMONGERY SCHEDULE BY SPECIALIST, IN ACCORDANCE TO PRASA BLUE PRINT.</div> </div> <div> <div>FURNITURE</div> <div>FURNITURE BY SPECIALIST, IN ACCORDANCE TO PRASA BLUE PRINT.</div> </div> <div> <div>LOCKSETS AND HINGES</div> <div>NONE</div> </div>	<div> <div>LOCATION</div> <div>TICKET VERIFICATION OFFICES</div> </div> <div> <div>QUANTITY</div> <div>9</div> </div> <div> <div>FINISH</div> <div>POWDER COATED CHARCOAL ALUMINIUM WINDOW.</div> </div> <div> <div>GLAZING</div> <div>NONE</div> </div> <div> <div>IRON MONGERY</div> <div>IRONMONGERY SCHEDULE BY SPECIALIST, IN ACCORDANCE TO PRASA BLUE PRINT.</div> </div> <div> <div>FURNITURE</div> <div>FURNITURE BY SPECIALIST, IN ACCORDANCE TO PRASA BLUE PRINT.</div> </div> <div> <div>LOCKSETS AND HINGES</div> <div>ALL OPENING SECTIONS TO BE FITTED WITH APPROVED LOCKING MECHANISM, WITH PROJECTION HINGES</div> </div> <div> <div>WINDOW DESCRIPTION</div> <div>MANICOR SPANDA SPANDAX ROLL-UP PERFORATED GALVANISED, SABS 101, EPOXY COATED MS PERFORATED ROLLER SHUTTER (FOR OPENING/SLIP-UP TO 30-45MM HIGH, ELASTICALLY COATED WITH 220 MICRONS THICK POLYURETHANE FINISH, WITH 10MM SPACING BETWEEN PERFORATIONS, COATED WITH NIKOLON ENDO LOCKS, 10MM EXTRA WIDE TAMPER PROOF AS GLAZER, POWDER COATED ANGLULAR COMPONENTS INCLUDING DOOR CURTAIN, 4MM THICK DOME PLATES, GUIDE RAILS & CLOSURE SWIFT, EXTENDED ALUMINIUM T-SHA WITH ASTRALUX RUBBER WEAR STRIP, & SINGLE SPAN IN JOINT, GALV. COVER BOX OPERATED WITH HIGH SECURITY KEY SWITCH, PAIRED TO BRICK, CONCRETE OR STRUCTURAL STEEL JAMBS AND STRUCTURAL STEEL BEAM OVER CONTRACTOR TO PROVIDE CAPACITY OF 1000KG X 1200MM FOR RECESSING IN.</div> </div>	<div> <div>LOCATION</div> <div>TICKET VERIFICATION OFFICES</div> </div> <div> <div>QUANTITY</div> <div>9</div> </div> <div> <div>FINISH</div> <div>POWDER COATED CHARCOAL ALUMINIUM WINDOW.</div> </div> <div> <div>GLAZING</div> <div>CLEAR BULLET RESISTANT GLAZING THROUGHOUT. ALL GLAZING TO COMPLY WITH PART N OF SANS 10400</div> </div> <div> <div>IRON MONGERY</div> <div>IRONMONGERY SCHEDULE BY SPECIALIST, IN ACCORDANCE TO PRASA BLUE PRINT.</div> </div> <div> <div>FURNITURE</div> <div>FURNITURE BY SPECIALIST, IN ACCORDANCE TO PRASA BLUE PRINT.</div> </div> <div> <div>LOCKSETS AND HINGES</div> <div>ALL OPENING SECTIONS TO BE FITTED WITH APPROVED LOCKING MECHANISM, WITH PROJECTION HINGES</div> </div> <div> <div>WINDOW DESCRIPTION</div> <div>LEVEL 00 ROLL UP BULLET RESISTANT GLAZED & NATURAL ANODISED ALUMINIUM TRANSOMATION WINDOW WITH 10MM DEEP FRAMED STEEL TORSION AND SPEEDY TRANSPORT POSITIVE INTERIOR APPLICATION ONLY, 100MM DEEP TO THICK, GLAZED IN 3MM THICK CLEAR GLASS WITH 100MM PORT FORMED GRANITE COUNTER TOP.</div> </div>	<div></div>
	<div> <div>CELL LVL: 800MM</div> </div>	<div> <div>CELL</div> </div>	<div> <div>CELL</div> </div>	

WINDOW NOTE:

- ALL EXISTING DAMAGED STEEL AND TIMBER WINDOWS AND FRAMES TO BE REMOVED AND REPLACED WITH NEW ALUMINUM FRAMES, TO MATCH EXISTING ALUMINUM FRAMES. COATED WITH MATT DARK UMBER GREY ANP 3057.
- ALL EXISTING WINDOW STEEL FRAMES BEING RETAINED TO BE SANDED DOWN, TREATED AND PAINTED WITH PLASCON PROFESSIONAL GLOSS ENAMEL (PBS 1000) OR DULUX TRADE GLOSS ENAMEL PAINT, IN ACCORDANCE TO PRASA BLUE PRINT.
- ALL NEW ALUMINUM WINDOW FRAMES TO BE NATURAL ANODIZED ALUMINUM, IN ACCORDANCE TO PRASA BLUE PRINT.
- ALL EXISTING TIMBER WINDOW FRAMES TO BE SANDED DOWN & VARNISHED OR REPAINTED WITH TWO COATS OF QUALITY VARNISH AS PER HERITAGE REQUIREMENTS.
- ROLLER BLIND INSTALLED INTO THE TICKET SALES WINDOW, LOWERED DOWN INDICATES TICKET COUNTER NOT IN USE CURRENTLY.
- BULLET RESISTANT PAY / TRANSACTION WINDOWS INCLUDING SALES WINDOWS & INFORMATION DESKS.
- EXISTING EXTERIOR WINDOW SECURITY BANDIT BURGLAR GUARDS TO BE REFURBISHED. ALL DAMAGED TO BE REMOVED AND REPLACED WITH SIMILAR APPROVED.

GENERAL NOTES

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS.
2. ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECK ON SITE BEFORE WORK PUT ON HAND.
3. REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER.
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5. FOR SETTING OUT DATA, SETTING OUT POINTS AND DATUM LEVELS REFER TO SURVEY INFORMATION AND ARCHITECT'S DRAWINGS.
6. STRUCTURAL WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE S.A.N.S SPECIFICATIONS. ALL CONCRETE WORKS IS TO BE DONE IN ACCORDANCE WITH S.A.S 1200G AND EARTHWORKS IS ACCORDANCE WITH S.A.S 1200D.
7. CONSULT RELEVANT ARCHITECTS, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLET, RWPDs AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.

[illegible]

CLIENT		
TITLE	NAME	DATE

MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	MR E. MGUZUMABANE	22/07/2022
CHECKED		
ENG. COORD		
ARCHITECT	M. MADIBA	22/07/2022
ELEC. ENG.		
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		

APPROVED BY	
NAME	DATE
SIGNATURE	
SEC. NUMBER	



PRASA MAINTENANCE PLAN ADDITIONS & ALTERATIONS

UMBILO STATION
WINDOW SCHEDULE




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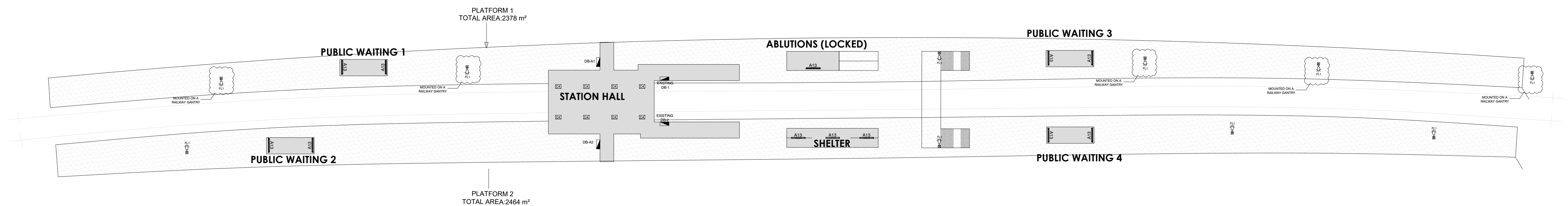
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DRAWING REGISTER	
	FILING

Project Title	UMLAZI SUB CORRIDOR 1 - STATION IMPROVEMENT PROGRAMME - UMBILO STATION	Project Number	1040-002-14
Client	PRASA	Date	30/09/2022
Consultant	LODEMANN	Date	
Contractor		Date	

Drawing No.	Client / Vendor Drg. No	Status of Document/ Drawing	Rev No.	Paper Size	Quantity	Date Rec:	Description	Transmittal number
ELECTRICAL								
1040-002-14-3000	N/A	ISSUED FOR TENDER	1	A1	1		GROUND STOREY PLANS: PLATFORMS LIGHTING LAYOUT	
1040-002-14-3001	N/A	ISSUED FOR TENDER	1	A1	1		ABLUTIONS AND PUBLIC WAITING LIGHTING LAYOUT	
1040-002-14-3002	N/A	ISSUED FOR TENDER	1	A3	1		DB-A1 SINGLE LINE DIAGRAM	
1040-002-14-3003	N/A	ISSUED FOR TENDER	1	A3	1		DB-A2 SINGLE LINE DIAGRAM	

Drawing Register	ISSUED BY :- DESIGNATION:- RECEIVED BY :- DESIGNATION:-	LUNGA MKHIZE SENIOR DRAUGHTSMAN	Rev 1 DATE :- DATE :-	Page : 1 of 1
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	<p>LED:</p> <p>TYPE FL1: 180W/2' x 2'200 LUMEN LED (4000K) STREETLIGHT RATED IP65 WITH POWDER COATING AS PER SPECIFICATION</p>
<p>A13</p>	<p>TYPE A13 RATED IP65, 30W/3' x 3'4400 LUMEN (4000K) ROUGH AND GRACFUL WEATHER PROOF LUMINAIRE, GRP BODY AND ACRYLIC DIFFUSER, WITH 50 000 HOURS LIFE SPAN, WALL MOUNTED</p> <p>TYPE B1 RATED IP65 HIGH PRESSURE DIE CAST ALUMINUM BASE AND TRIM 9000 200W/4' x 4'6000 LUMEN (4000K) BULKHEAD LUMINAIRE WITH AN OPAL HIGH IMPACT ACRYLIC DIFFUSER, WITH 50 000 HOURS LIFE SPAN, SURFACE MOUNTED</p> <p>TYPE B1 RATED IP65 HIGH PRESSURE DIE CAST ALUMINUM BASE AND TRIM 9000 20W/1' x 2'2000 LUMEN (4000K) BULKHEAD LUMINAIRE WITH AN OPAL HIGH IMPACT ACRYLIC DIFFUSER, WITH 50 000 HOURS LIFE SPAN, WALL MOUNTED WITH STEEL CAGE.</p>
<p>B1</p>	<p>TYPE B1 RATED IP65 HIGH PRESSURE DIE CAST ALUMINUM BASE AND TRIM 9000 20W/1' x 2'2000 LUMEN (4000K) BULKHEAD LUMINAIRE WITH AN OPAL HIGH IMPACT ACRYLIC DIFFUSER, WITH 50 000 HOURS LIFE SPAN, WALL MOUNTED WITH STEEL CAGE.</p>
<p>B3</p>	<p>TYPE B3 RATED IP65 HIGH PRESSURE DIE CAST ALUMINUM BASE AND TRIM 9000 20W/1' x 2'4000 LUMEN (4000K) BULKHEAD LUMINAIRE WITH AN OPAL HIGH IMPACT ACRYLIC DIFFUSER, WITH 50 000 HOURS LIFE SPAN, WITH WIREGUARD - WALL MOUNTED</p>
<p>C4</p>	<p>TYPE C4 144W/1' x 2'2000 LUMEN LED (4000K) LOW BAYS, RATED IP65 WITH POWDER COATING AS PER SPECIFICATION</p>
<p>1W</p> 	<p>1 LEVER 1 W LIGHT SWITCH ON A 100x10x20mm STEEL DRAW BOX MOUNTED 1400mm A.F.F.L</p> <p>PHOTO - ELECTRIC CIL MOUNTED 2400mm A.F.F.L</p> <p>DISTRIBUTION BOARD</p>
	<p>K10SK</p>



GROUND STOREY PLAN: PLATFORMS

GENERAL NOTES:

1. ELECTRICAL INSTALLATION TO COMPLY WITH SANS 10142-1 AS AMENDED.
2. CONTRACTORS TO USE EXISTING CIRCUITING. CONTRACTORS TO RETAIN EXISTING CABLES AND CONDUCTORS WHERE APPLICABLE. NEW CABLE AND CONDUCTOR SHALL BE INSTALLED UPON ENGINEERS APPROVAL.
3. CONTRACTORS TO REPLACE LIGHT FITTINGS AS PER SPECIFICATION.
4. CONTRACTOR TO PROVIDE UNIVERSAL ELECTRICAL LOCK ON ALL KIOSK AND DB'S.

DRAWING NO.	REFERENCE
REFERENCE DRAWINGS	

[illegible]

CLIENT LOGO



CLIENT

TITLE	NAME	DATE

MAIN CONSULTANT

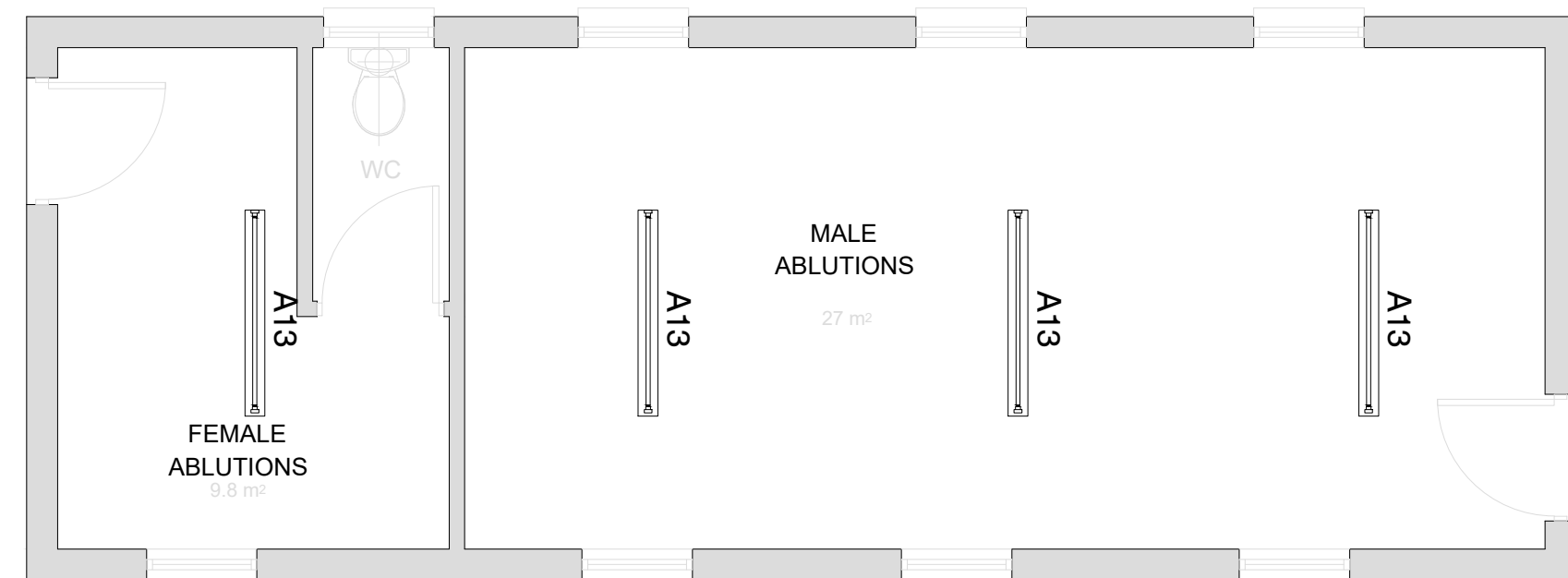
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CHECKED		
ENG. COORD		
ARCHITECT		
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STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME	M. MADIBA	DATE
SIGNATURE		
REG. NUMBER	D/2404/2017	



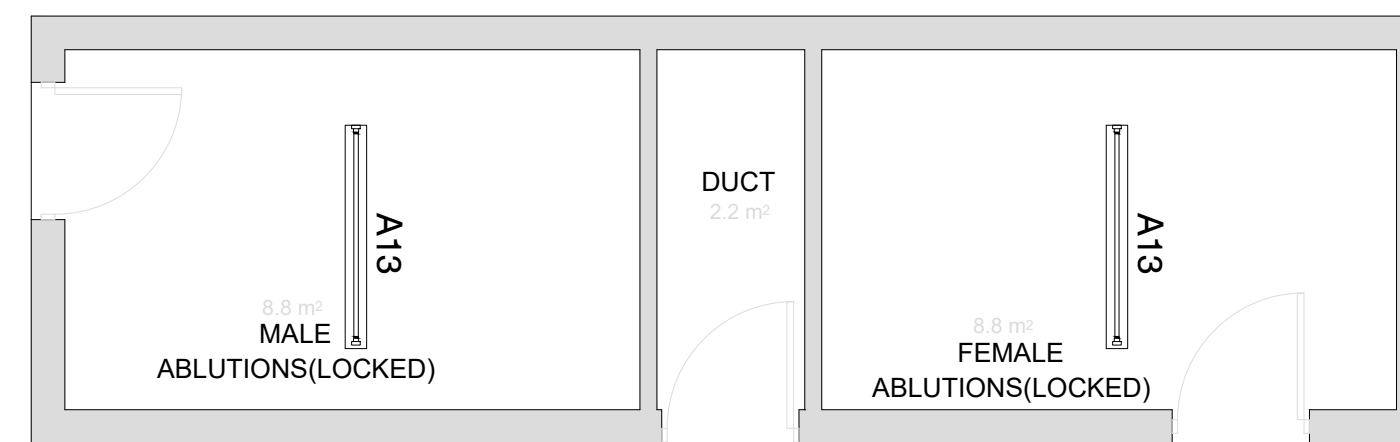
UMLAZI SUB CORRIDOR 1 - STATION
IMPROVEMENT PROGRAMME

UMBILO STATION
GROUND STOREY PLANS: PLATFORMS LIGHTING LAYOUT

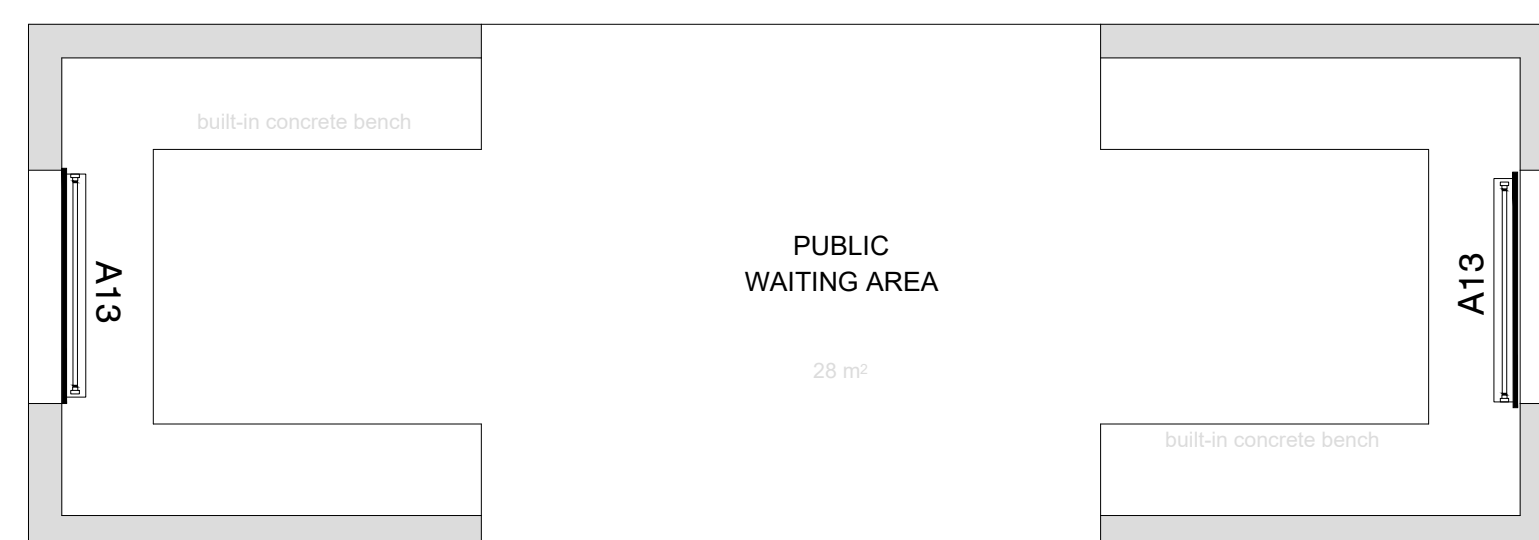
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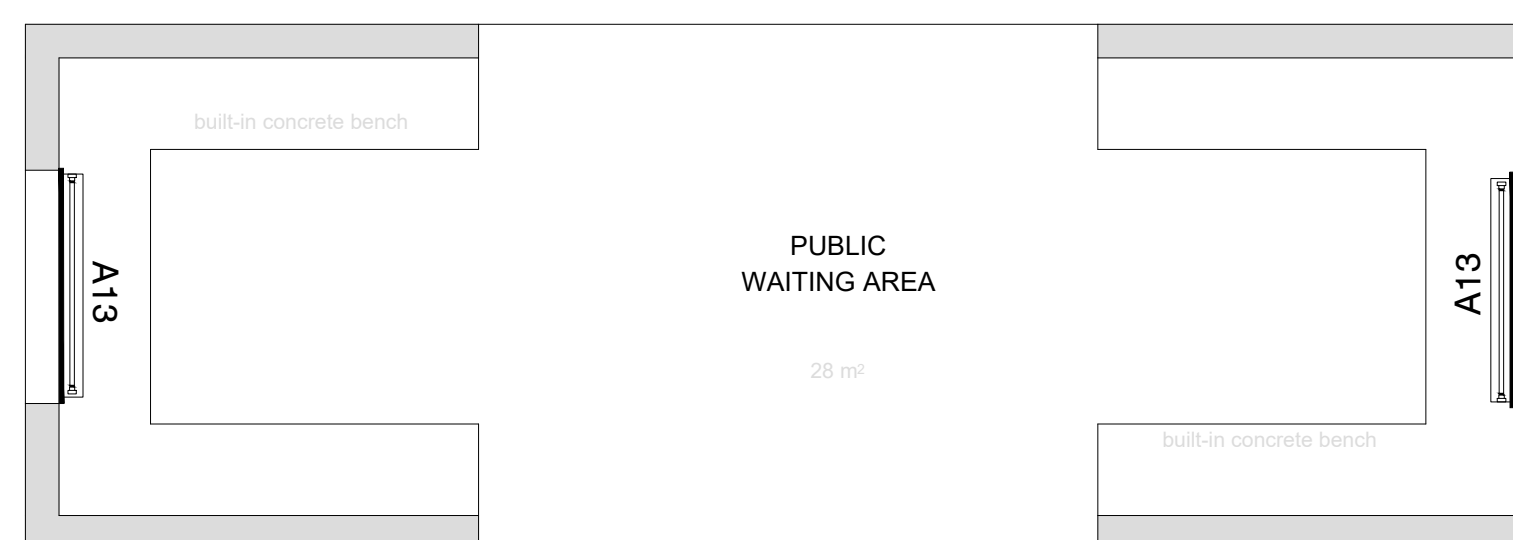
ABLUTIONS 1



ABLUTIONS 2



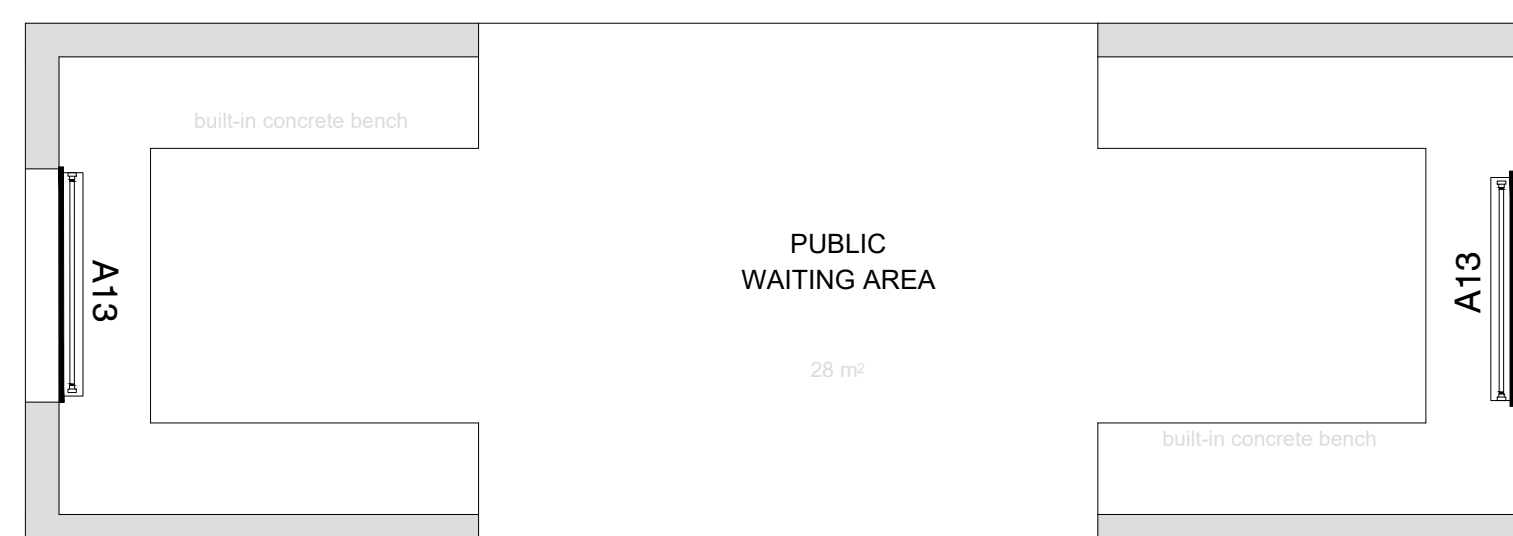
PUBLIC WAITING 1



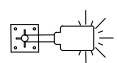

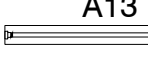



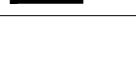



PUBLIC WAITING 2



PUBLIC WAITING 3



PUBLIC WAITING 4

LEGEND:	
	TYPE FL1: 180W ± 27 000 LUMEN LED (4000K) STREET LIGHT RATED IP66 WITH POWDER COATING AS PER SPECIFICATION
	TYPE A13 RATED IP65, 30W/ ± 4440 LUMEN (4000K) ROUGH-GUARD WEATHER-PROOF LUMINAIRE, GRP BODY AND ACRYLIC DIFFUSER, WITH 50 000 HOURS LIFESPAN - WALL MOUNTED
	TYPE A13 RATED IP65, 30W/ ± 4440 LUMEN (4000K) ROUGH-GUARD WEATHER-PROOF LUMINAIRE, GRP BODY AND ACRYLIC DIFFUSER, WITH 50 000 HOURS LIFESPAN - SURFACE MOUNTED
	TYPE B1 RATED IP65 HIGH PRESSURE DIE CAST ALUMINIUM BASE AND TRIM RING 20W/ ± 2600 LUMEN LED (4000K) BULKHEAD LUMINAIRE WITH AN OPAL HIGH-IMPACT ACRYLIC DIFFUSER WITH 50 000 HOURS LIFESPAN - SURFACE MOUNTED
	TYPE B1 RATED IP65 HIGH PRESSURE DIE CAST ALUMINIUM BASE AND TRIM RING 20W/ ± 2600 LUMEN LED (4000K) BULKHEAD LUMINAIRE WITH AN OPAL HIGH-IMPACT ACRYLIC DIFFUSER WITH 50 000 HOURS LIFESPAN, WALL MOUNTED WITH STEEL CLACE
	TYPE B3 RATED IP65 HIGH PRESSURE DIE CAST ALUMINIUM BASE AND TRIM RING 32W/ ± 4370 LUMEN LED (4000K) BULKHEAD LUMINAIRE WITH AN OPAL HIGH-IMPACT ACRYLIC DIFFUSER WITH 50 000 HOURS LIFESPAN, WITH WIREGUARD - WALL MOUNTED
	TYPE B3 RATED IP65 HIGH PRESSURE DIE CAST ALUMINIUM BASE AND TRIM RING 32W/ ± 4370 LUMEN LED (4000K) BULKHEAD LUMINAIRE WITH AN OPAL HIGH-IMPACT ACRYLIC DIFFUSER WITH 50 000 HOURS LIFESPAN, WITH WIREGUARD - SURFACE MOUNTED
	TYPE C6 80W/ ± 9398 LUMEN LED 4000K FLOODLIGHT RATED IP65 WITH POWDER COATING
	TYPE C7 80W/ ± 9398 LUMEN LED 4000K FLOODLIGHT RATED IP65 WITH POWDER COATING WITH 1 HOUR EMERGENCY BATTERY
	DISTRIBUTION BOARD

GENERAL NOTES:

1. ELECTRICAL INSTALLATION TO COMPLY WITH SANS 10142-1 AS AMENDED.
2. CONTRACTORS TO USE EXISTING CIRCUITING. CONTRACTORS TO RETAIN EXISTING CABLES AND CONDUCTORS WHERE APPLICABLE. NEW CABLE AND CONDUCTOR SHALL BE INSTALLED UPON ENGINEERS APPROVAL.
3. CONTRACTORS TO REPLACE LIGHT FITTINGS AS PER SPECIFICATION.
4. CONTRACTOR TO PROVIDE UNIVERSAL ELECTRICAL LOCK ON ALL KIOSK AND DB'S.

DRAWING NO.	REFERENCE
REFERENCE DRAWINGS	

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CLIENT LOGO



CLIENT

TITLE	NAME	DATE

MAIN CONSULTANT

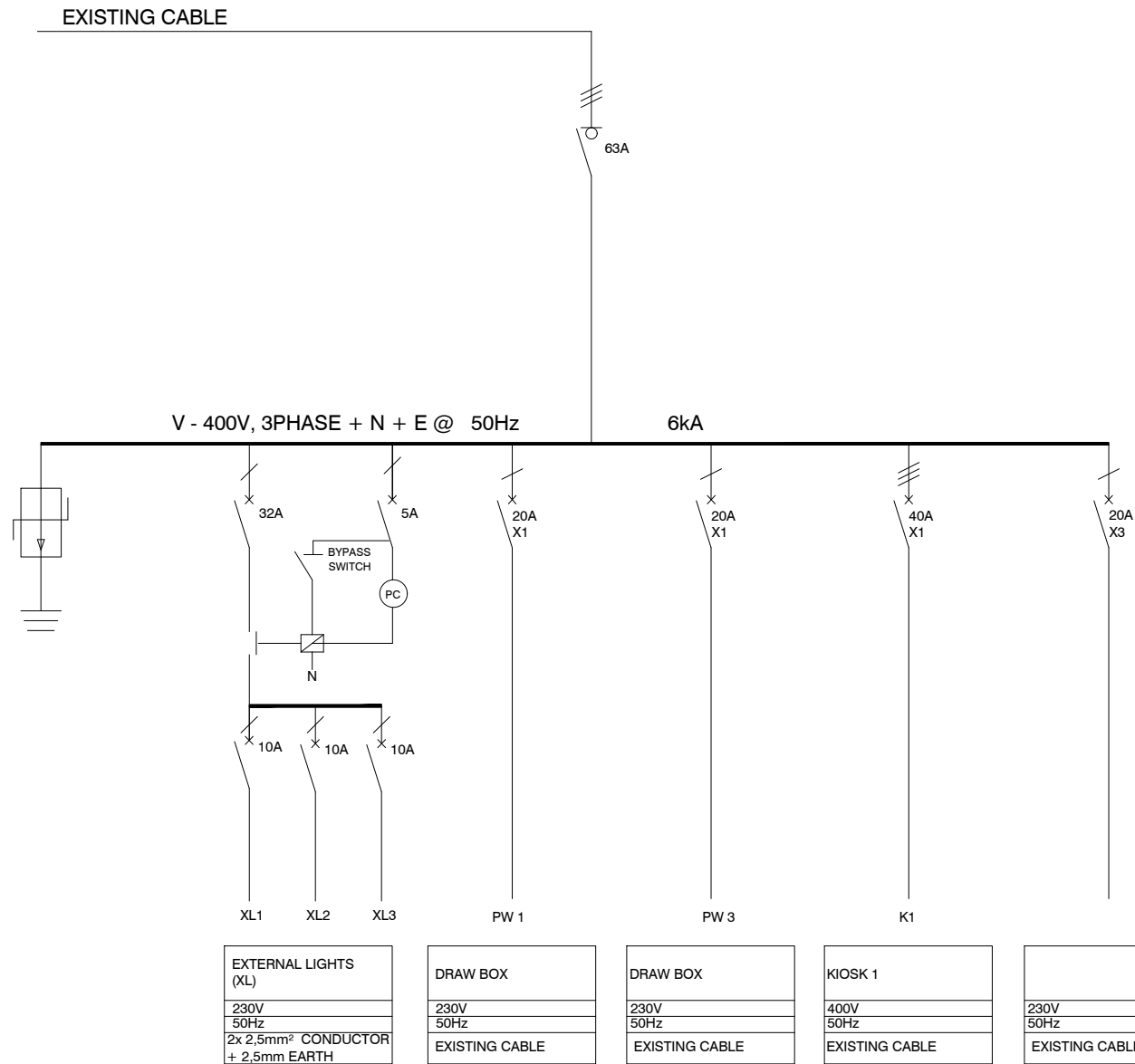
TITLE	NAME	DATE
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ELEC. ENG.	T. MBATHA	
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
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UMLAZI SUB CORRIDOR 1 - STATION IMPROVEMENT PROGRAMME

UMBILO STATION ABLUTIONS AND PUBLIC WAITING AREA LIGHTING LAYOUT

SCALE :	DATE	Drawing Number	CLIENT Drawing Number	Rev.	Sheet size	Status.
1:50	19-09-22	1040-002-14-3001		1	A1	ISSUED FOR TENDER



LEGEND	
	3 POLE CIRCUIT BREAKER
	1 POLE CIRCUIT BREAKER
	3 POLE ISOLATOR
	1 POLE ISOLATOR
	EARTHING
	1/ 3 PHASE CONTACTOR
	PHOTO ELECTRIC CELL
	kwh- POWER MASTER METER AS PER SPECIFICATION
	SURGE ARRESTER
	2 POLE (L+N) EARTH LEAKAGE UNIT

- NOTES:
- CONTRACTORS SHALL RE-INSTALL ALL CIRCUITS TO MATCH EXISTING.

ADDITIONAL NOTES	BOARD INFORMATION
<ol style="list-style-type: none">THIS DB SHALL COMPLY WITH SANS 1973/61439 AND SHALL BE DESIGNED AND MANUFACTURED BY A SPECIALIST SWITCHBOARD MANUFACTURER.ALL EQUIPMENT SHALL COMPLY TO THE RELEVANT SANS STANDARDS.CASCADING CIRCUIT BREAKERS MUST BE USED.THE ICU OF CIRCUIT BREAKER IS THE SAME AS FOR FEEDING BUSBAR.PROVIDE 20% SPARE SPACE.MATERIAL SHALL BE 2,0mm WHITE 3CR12 PAINTED ORANGE STEEL WITH POWDER COATED EPOXY.NEUTRAL AND EARTH BAR MUST BE EQUAL TO PHASE BAR.NO MIX OF BRANDS.	<p>NAME OF DB : DB-A1</p> <p>LOCATION :PLATFORM 1</p> <p>MOUNTING : SURFACE MOUNTED</p> <p>IP CLASS : 55</p> <p>CABLE ENTRY : TOP FEEDERS AND BOTTOM FEEDERS</p> <p>DOOR REQUIRED : YES, MAIN BREAKER TO PRO-TRUDE</p> <p>COLOUR DB PLATE : ELECTRIC ORANGE</p>

- GENERAL NOTES:
- ELECTRICAL INSTALLATION TO COMPLY WITH SANS 10142-1 AS AMENDED.
 - CONTRACTORS TO USE EXISTING CIRCUITING. CONTRACTORS TO RETAIN EXISTING CABLES AND CONDUCTORS WHERE APPLICABLE. NEW CABLE AND CONDUCTOR SHALL BE INSTALLED UPON ENGINEERS APPROVAL.
 - CONTRACTOR TO PROVIDE UNIVERSAL ELECTRICAL LOCK ON ALL KIOSK AND DB'S.
 - CONTRACTOR TO PROVE EXISTING CABLE AND/ OR EXISTING CIRCUITS

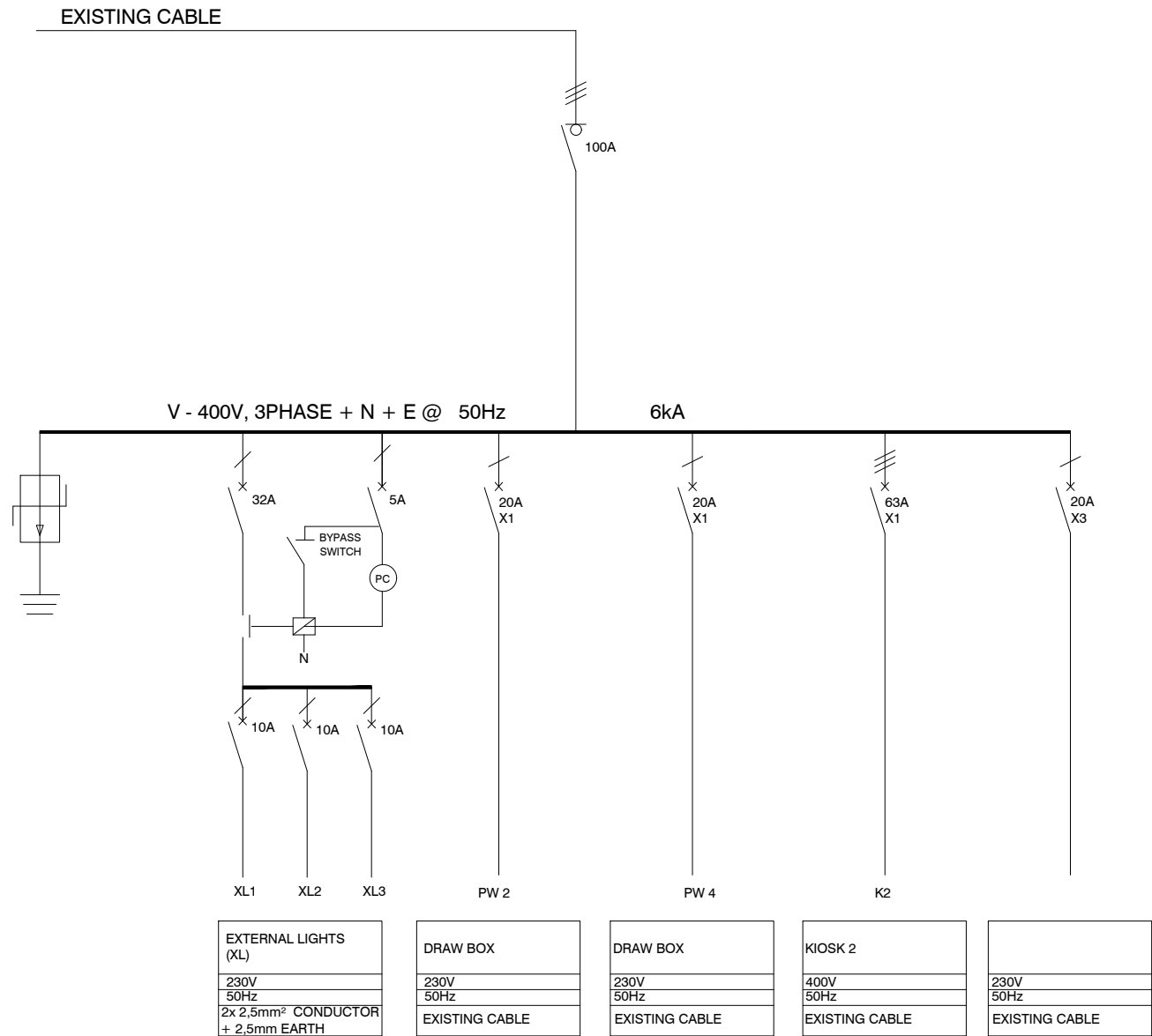
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REFERENCE DRAWINGS	

NO.	DESCRIPTION	BY	CHKD	APPD	DATE
1.	ISSUED FOR TENDER	LM	TM	MM	23-08-2022
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REG. NUMBER	D/2404/2017	

UMLAZI SUB CORRIDOR 1 - STATION IMPROVEMENT PROGRAMME						
UMBULO STATION DB-A1 SINGLE LINE DIAGRAM						
SCALE	DATE	Drawing Number	CLIENT Drawing Number	Rev.	Sheet size	Status
N.T.S	22-08-22	1040-002-14-3002		1	A3	ISSUED FOR TENDER



LEGEND	
	3 POLE CIRCUIT BREAKER
	1 POLE CIRCUIT BREAKER
	3 POLE ISOLATOR
	1 POLE ISOLATOR
	EARTHING
	1/ 3 PHASE CONTACTOR
	PHOTO ELECTRIC CELL
	kwh- POWER MASTER METER AS PER SPECIFICATION
	SURGE ARRESTER
	2 POLE (L+N) EARTH LEAKAGE UNIT

NOTES:

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ADDITIONAL NOTES	BOARD INFORMATION
<ol style="list-style-type: none">THIS DB SHALL COMPLY WITH SANS 1973/61439 AND SHALL BE DESIGNED AND MANUFACTURED BY A SPECIALIST SWITCHBOARD MANUFACTURER.ALL EQUIPMENT SHALL COMPLY TO THE RELEVANT SANS STANDARDS.CASCADING CIRCUIT BREAKERS MUST BE USED.THE ICU OF CIRCUIT BREAKER IS THE SAME AS FOR FEEDING BUSBAR.PROVIDE 20% SPARE SPACE.MATERIAL SHALL BE 2,0mm WHITE 3CR12 PAINTED ORANGE STEEL WITH POWDER COATED EPOXY.NEUTRAL AND EARTH BAR MUST BE EQUAL TO PHASE BAR.NO MIX OF BRANDS.	<p>NAME OF DB : DB-A2</p> <p>LOCATION :PLATFORM 2</p> <p>MOUNTING : SURFACE MOUNTED</p> <p>IP CLASS : 55</p> <p>CABLE ENTRY : TOP FEEDERS AND BOTTOM FEEDERS</p> <p>DOOR REQUIRED : YES, MAIN BREAKER TO PRO-TRUDE</p> <p>COLOUR DB PLATE : ELECTRIC ORANGE</p>

GENERAL NOTES:

- ELECTRICAL INSTALLATION TO COMPLY WITH SANS 10142-1 AS AMENDED.
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- CONTRACTOR TO PROVE EXISTING CABLE AND/ OR EXISTING CIRCUITS

DRAWING NO.	REFERENCE
REFERENCE DRAWINGS	

1.	ISSUED FOR TENDER	LM	TM	MM	23-08-2022
NO.	DESCRIPTION	BY	CHKD	APPD	DATE
REVISIONS / ISSUE AUTHORIZATION					
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CLIENT

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ARCHITECT		
ELEC. ENG.	T. MBATHA	
MECH. ENG.		
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		

APPROVED BY

NAME	M. MADIBA	DATE
SIGNATURE		
REG. NUMBER	D/2404/2017	

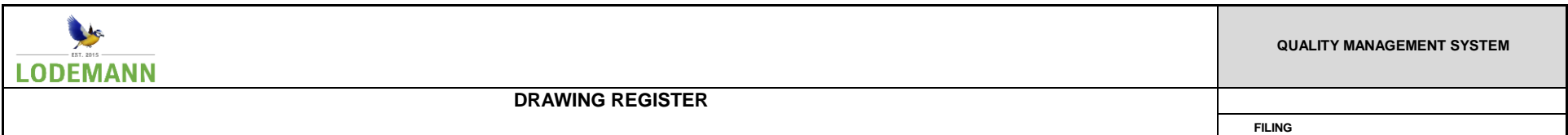


UMLAZI SUB CORRIDOR 1 - STATION IMPROVEMENT PROGRAMME

UMBULO STATION

DB-A2 SINGLE LINE DIAGRAM

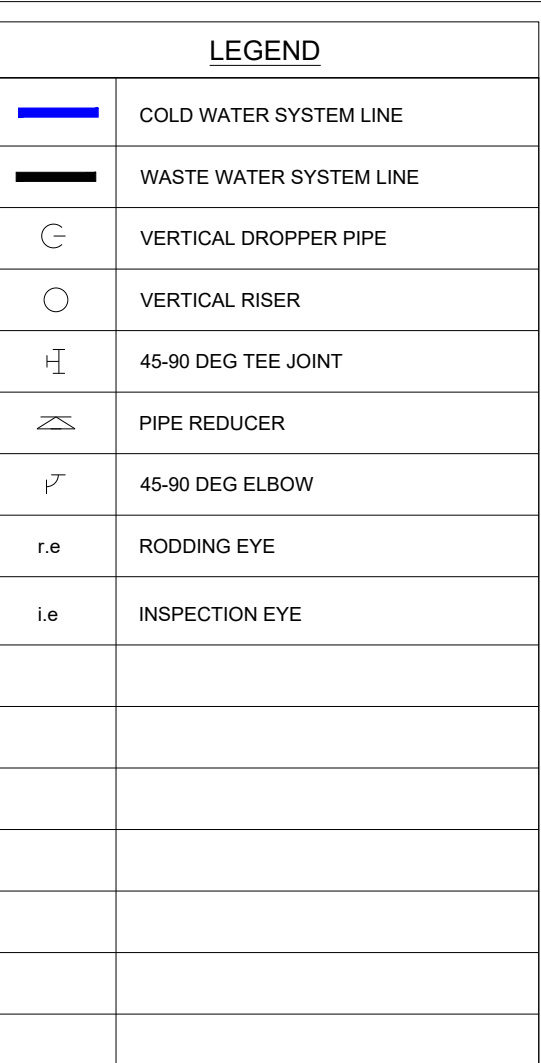
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Project Title	UMLAZI SUB CORRIDOR 1 - STATION IMPROVEMENT PROGRAMME - UMBILO STATION	Project Number	1040-002-14
Client	PRASA	Date	30/09/2022
Consultant	LODEMANN	Date	
Contractor		Date	

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Drawing Register	ISSUED BY :-	SOLONUZI MATHUNJWA	Rev 00	Page : 1 of 1
	DESIGNATION:-	MECHANICAL ENGINEER	DATE :-	
	RECEIVED BY :-		DATE :-	
	DESIGNATION:-			



THE ITEMS LISTED BELOW AND IN THE NOTES FORM PART OF THE SPECIFICATION FOR THE WASTE WATER DRAINAGE INSTALLATION.

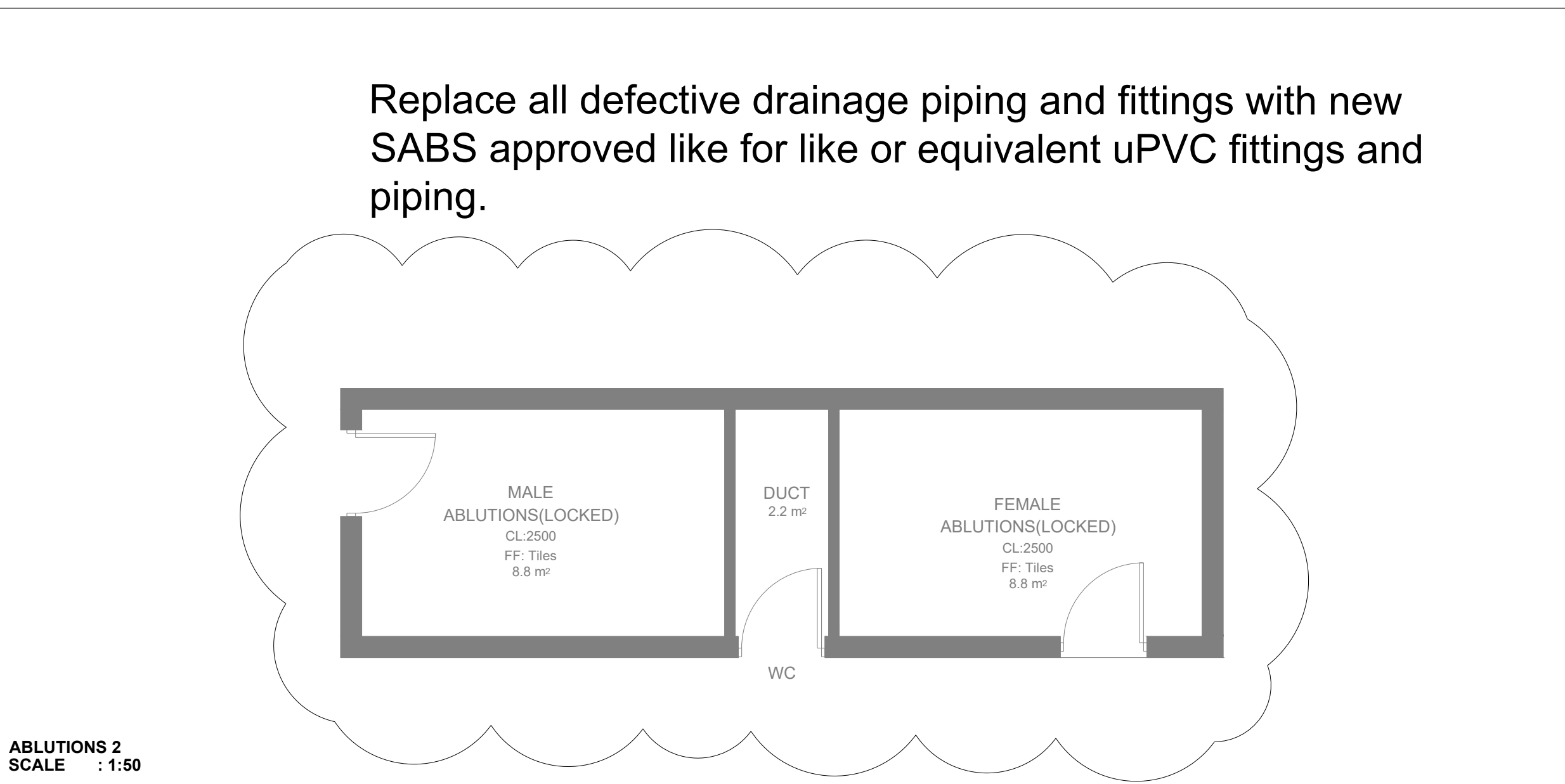
UNLESS STATED OTHERWISE ON A THE DRAWING OR THE TECHNICAL SPECIFICATION REPORT THE FOLLOWING SHALL APPLY:

1. ALL GREY WATER PIPING AND FITTINGS SHALL BE 50mm Ø CLASS 34 PVC PIPING CONSTRUCTED TO SANS 791.
2. ALL GREY WATER PIPING ARE TO MAINTAIN A FALL OF 1:80.

1. ALL BLACK WATER PIPING AND FITTINGS SHALL BE 50mm - 110 Ø CLASS 34 PVC PIPING CONSTRUCTED TO SANS 791.
2. ALL BLACK WATER PIPING ARE TO MAINTAIN A FALL OF 1:40.

1. WATER CONNECTIONS TO FITTINGS:-15mm TO WHB, WC AND SHOWERS.
2. COLD & HOT WATER PIPING TO BE PEX (PLASTIC PIPING). SUPPLEMENTARY WET/AUXILIARY VENTING TO BE INSTALLED WHERE REQUIRED BY CODES REFERRED TO IN GENERAL NOTES ITEM 1.

1. ALL WASTE WATER PIPING SHALL BE HYDRAULICALLY TESTED IN THE PRESENCE OF THE ENGINEER AND THE RESULTS RECORDED.
2. PIPING SHALL BE TESTED IN SECTIONS AS THE WORK PROGRESSES, BEFORE BEING COVERED IN TRENCHES OR FLOORS. THE COMPLETED PIPELINE SHALL ALSO BE TESTED JUST PRIOR TO TAKEOVER OF THAT LINE BY THE CLIENT.
3. FAILURE TO COMPLY WITH THE ABOVE WILL RESULT IN THE CONTRACTOR BEING REQUIRED TO EXPOSE ALL THE PIPING IN ORDER FOR THE PRESSURE TESTS TO BE CARRIED OUT. HE WILL ALSO BE RESPONSIBLE FOR ALL COSTS INCURRED BY THE CLIENT COVERING ANY MAKING-GOOD THE WORKS DUE TO THE CONTRACTORS FAILURE TO COMPLY WITH THIS REQUIREMENT.



1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS.
2. ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECK ON SITE BEFORE WORK PUT ON HAND.
3. REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER.
4. THIS DRAWING MUST NOT BE USED TO SCALE OFF. USE ONLY WRITTEN DIMENSIONS. CONTACT THE ENGINEER OR ARCHITECT WHERE CLARITY IS SOUGHT.
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6. STRUCTURAL WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.N.S SPECIFICATIONS.
7. CONSULT RELEVANT ARCHITECT'S, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND DETAILS AS RELEVANT FOR DRAINAGE, STORMWATER OUTLET, RWDPS AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.

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MAIN CONSULTANT		
TITLE	NAME	DATE
DRAWN	SI MATHUNJWA	30-09-22
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ENG. COORD		
ARCHITECT		
ELEC. ENG.		
MECH. ENG.	R CHABILAL	30-09-22
STRUCT. ENG.		
CIVIL. ENG.		
INSTRU. ENG.		
PROC. ENG.		
APPROVED BY		
NAME	M. MADIBA	DATE
SIGNATURE		
REG. NUMBER	D/2404/2017	



MAIN TICKET OFFICE
SCALE : 1:100

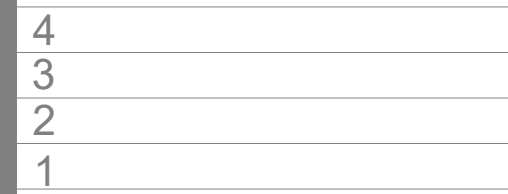
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DRAWING NO.	REFERENCE
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LEGEND			FIRE PROTECTION PLAN NOTES		
	MANUAL CALL POINT		1. All work to comply with SANS 10400-T: 2020.		
	COMBINED FIRE ALARM SOUNDER & XENON FLASHING BEACON		2. The occupancy is classified as G1 in terms of Table 1 of A20, SANS 10400-A: 2018 accordingly.		
	FIRE ALARM PANEL		3. Floor coverings are to comply with Section 4.14 of SANS 10400-T: 2020.		
	HEAT DETECTOR		4. Wall coverings are to comply with Section 4.15 of SANS 10400-T: 2020.		
	SMOKE DETECTOR		5. Suspended ceilings and supporting members to be non-combustible and must comply with Section 4.13 of SANS 10400-T: 2020.		
	SMOKE CONTROL VENTILATION		6. Structural elements must comply with Section 4.7 and Table 6 of SANS 10400-T: 2020.		
	FIRE TWIN BOOSTER CONNECTION		7. All division separating Internal Class A fire doors are to be rated for 60 minutes as per Table 6 SANS 10400-T:2020. All occupancy separating Class B fire doors are to be rated for 120 min. All emergency route will have Class B fire doors.		
	FIRE HYDRANT		8. All firefighting equipment, fire escape routes and exit doors are to be clearly indicated by photo lumenescet symbolic signs that comply with SANS 1186-6 in terms of Section 4.28 of SANS 10400-T: 2020 that must be secured without the use of adhesives.		
	FIRE ESCAPE DIRECTION		9. Water supplies for firefighting purposes are to be in accordance with SANS 10400-W.		
	TENANCY FIRE WALL 60 min RATING		10. Seven SABS approved 30m fire hose reels will be installed at a rate of 1 per 500m² or part thereof as indicated in the plan, and in such a manner that the end of the nozzles are able to reach all areas of the buildings in accordance with Section 4.34.5 and Table 11, Section 4.38.2, of SANS 10400-T: 2020.		
	FIRE HOSE REEL		11. 4kg DCP fire extinguishers are to be installed inside the building as indicated on the plan at a rate of one fire extinguisher per 200m² for G1 or part thereof in terms of Table 10 and section 4.32 of SANS 10400-T: 2020.		
	4.5kg DCP		12. Every locking device fitted to an access door or escape door in any escape route shall be of a type approved by the local authority in terms of Section 4.16.9 of SANS 10400-T: 2020 that can operate without the use of a key, provided that in any building where an electronic locking device is required for security purposes, such locking device shall be of a type which unlocks automatically when any of the fire detection equipment or electrical fire protection equipment of the building is activated or where there is no power to the locking device.		
	9kg DCP		13. Manual break glass overrides shall be installed on both sides of all doors fitted with electronic locks where there is no manual override installed on the lock. Hands-free or no touch sensors shall not qualify as manual overrides.		
	5kg CO2		14. The maximum travel distance of any emergency escape path to the outside of the building shall not be more than 45m measured from any point in the building not equipped with automatic sprinklers and 60m for buildings equipped with automatic sprinklers and any dead-end corridor shall not exceed 100m in length as per Section 4.16 of SANS 10400-T: 2020.		
	30m FIRE HOSE REEL & 2 x 9kg DCP		15. The escape path minimum width of 1500mm is to be adhered to accordance with Section 4.17 and column 2 of Table 9 of SANS 10400-T: 2020. The clear width of an emergency exit door that opens to street level shall be no less than 1,500mm. The width of an escape path shall not decrease in the direction of emergency travel, except at an exit door to a lobby, foyer or vestibule.		
	SPRINKLER POINT		16. Emergency lighting to be provided above emergency exit doors, above firefighting equipment, above the intersection of and at any change in level of emergency escape paths for a period of 60 minutes and to be provided 50 lumens measured horizontally 100mm above the floor level.		
E1		E8		E16	
E2		E9		E17	
E3		E10		E18	
E4		E11		E19	
E5		E12		E20	
E6		E13		E21	
E7		E14		E22	
E23		F4		F3	
E15		F5		F9	
E28		F6		F10	
E29		F7		F11	
E24		F8		F12	
E25		F1		F13	
F25		F2		F14	
F15		F26		F39	
F16		F27		F40	
F18		F28		F41	
F19		F29		F45	
F20		F36		F46	
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F23		F38		F49	
HZ		FB14			
1	FIRE ESCAPE DIRECTION				

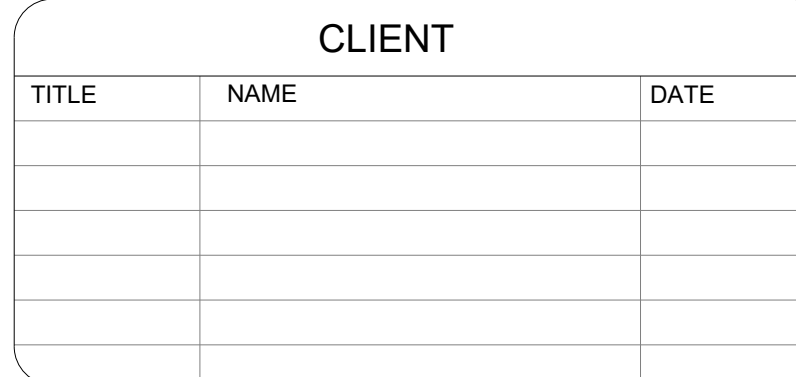


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APPROVED BY		
NAME	M. MADIBA	DATE
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UMBILO STATION
MAIN TICKET OFFICE - HVAC

SCALE	DATE	Drawing Number	CLIENT Drawing Number	Rev.	Sheet size	Status.
1 : 50	30-09-22	1040-002-14-402		1	A1	ISSUED FOR TENDER