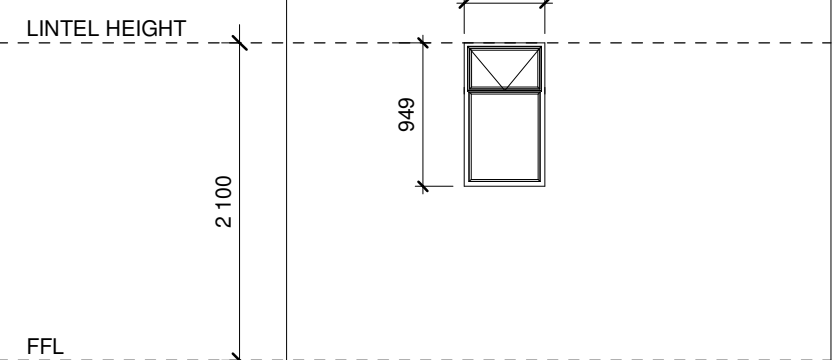
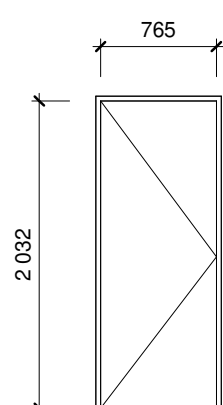
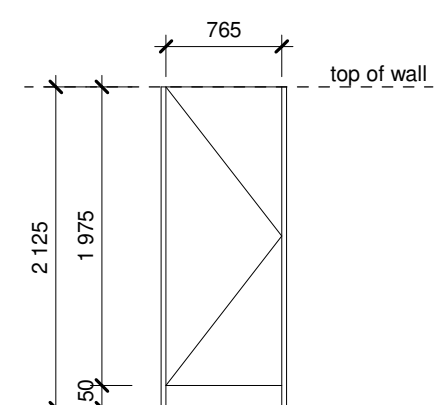
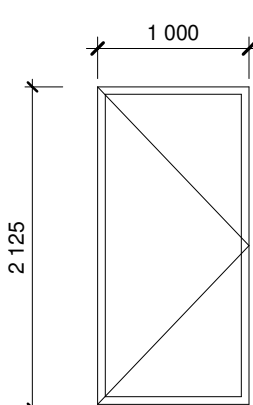
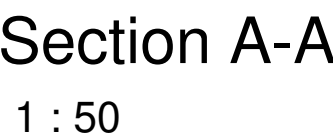
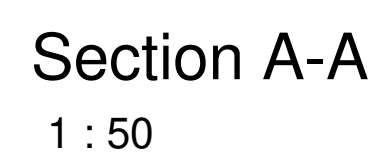
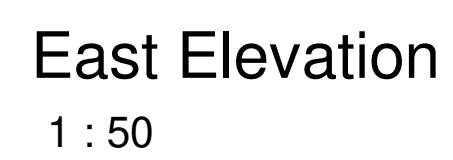


WINDOW SCHEDULE	
	
DESCRIPTION	Existing mild steel window.
QUANTITY	14
WINDOW NUMBER	W3
GENERAL	Remove existing glazing and putty from all areas. Prepare to accommodate new finishes.
WINDOW FRAME	Existing top hung mild steel window frames.
WINDOW FRAME FINISH	Existing mild steel window frames to be properly sanded, cleaned and treated with Plascon or similar approved Polycell end Rust application and cleaned as per manufactures specification. Prepare with one coat Plascon or similar approved mild steel primer, one coat merit universal undercoat prior to installing new window putty and glazing. Putty to dry and set prior to applying paint coats. Finish with one coat Plascon or similar approved merit universal undercoat and two coats enamel paint. Colour – to be confirmed by Architects.
GLASS	Install new 4 mm thick Pacific Obscure glass in window putty to existing mild steel window frames. Glass to be in accordance with SANS 10400.
WINDOW FURNITURE	Replace damaged window stays with new to match existing. New and existing window stays to be properly cleaned.

DOOR SCHEDULE			
			
DESCRIPTION	Existing door frame with new door leaf.	Existing door frame removed and replaced with new door frame with new door leaf.	Existing gate frame and gate
QUANTITY	4	8	4
DOOR NUMBER	D5	D6	G1
GENERAL	-	Remove existing mild steel cubicle door frames and door leads and install new mild steel door frames and door leaf's to same.	-
DOOR FRAME	Existing standard rebated mild steel door frame to be serviced. Existing loose and flaking paint to be removed, sanded and treated with Plascon or similar approved Polycell end Rust application and cleaned as per manufactures specification. Strike plate recess to be painted.	Standard 1.2 mm thick mild steel double rebated single door frame. Door frame to be suitable for 110 mm wall with wall tiles on both sides. Door frame to be supplied complete with 1 pair hinges, lugs, strike plate recess, strike plate and rubber buffers as supplied complete by manufacturer. Door frame to be pre painted and delivered to site with a factory applied Red Oxide metal primer. Top door frame rail to be omitted-top of door frame to align with top of cubical walls.	GATE FRAME: Existing mild steel gate frame be sanded, paint, cleaned and treated with Plascon or similar approved Polycell end Rust application as required and cleaning as per manufactures specification. Finish – apply one coat Plascon or similar approved mild steel primer, one coat merit universal undercoat and finished with two coats enamel paint. Colour to Architects approval.
DOOR FRAME FINISH	Apply Plascon or similar approved mild steel primer as required, one coat merit universal undercoat and finish with two coats gloss enamel paint. Colour – to be confirmed by Architects.	Apply Plascon or similar approved mild steel primer as required, one coat merit universal undercoat and finish with two coats gloss enamel paint. Colour – to be confirmed by Architects. Strike plate recess to be painted.	-
DOOR LEAF	Remove existing timber door leaf and install new TDM Doors or similar approved frame and ledge closed back meranti external quality door leaf to same. Install new door leaf complete to existing single mild steel door frame.	TDM Doors or similar approved semi solid single door leaf with hardwood edges and Masonite finish suitable for painting to both sides. Door to be provided with a double bottom rail and undercut by 150 mm.	GATE: Existing mild steel abluion entrance gate to be serviced. Existing mild steel gate to be sanded, paint, cleaned and treated with Plascon or similar approved Polycell end Rust application as required and cleaning as per manufactures specification. Finish – apply one coat Plascon or similar approved mild steel primer, one coat merit universal undercoat and finished with two coats enamel paint. Colour to Architects approval.
DOOR LEAF FINISH	Prepare and apply three coats Plascon or similar approved Woodcare wood preservative, product code FPR range or similar approved finish to all surfaces. Finish – clear suede finish.	Prepare and apply timber door leaf and apply one coat Plascon or similar approved wood primer – Pink UC 2, one coat merit universal undercoat - White UC 1 and two coats Plascon or similar approved gloss enamel paint. Paint to be roller applied. Colour – to Architects approval.	-
HANDLE	Union/Assa Abloy or similar approved Sable lever door handle on backplate. Code AL65A63 Lever Handle on 152 x 76 mm modular backplate to both sides suitable for Euro profile cylinder lock. Finish – Anodised Silver.	Union/Assa Abloy or similar approved Sable straight pull handle fixed to inside face of door leaf only. Finish – Anodised Silver.	-
LOCK	Union/Assa Abloy or similar approved Mortice Lock code 23315 Euro cylinder sash lock. SABS approved and to conforms to SABS ISO 9001:2000 norms.	Union/Assa Abloy or similar approved bathroom morticed bathroom W/C Indicator bolt supplied complete. Code – AL8294AS. Finish – Anodised Silver.	Union/Assa Abloy or similar approved UN 3378 – 78 mm armoured brass padlock supplied with three keys. Standard – SABS 1533:1991.
CYLINDER	Union/Assa Abloy or similar approved 2 x 18 Euro profile double cylinder. Cylinder to be supplied complete with three keys.	-	-
CABIN HOOK	Standard 100 mm Cabin hook and holding eye fixed to wall. Finish – chrome plated.	-	-
COAT HOOKS	-	Union/Assa Abloy or similar approved bathroom coat hook with rubber tip. Code – AL8722AS. Finish – Anodised Silver.	-
DOOR STOP	Union/Assa Abloy or similar approved AL8730AS floor mounted door stop to each door leaf. Position to be confirmed on site.	-	-
PICTOGRAM	Standard 150 mm x 150 mm x 3 mm thick aluminium backplate Male or Female Pictogram –(x1) fixed to outside face of abluion entrance door leaf and (x1) fixed to outside face of wall at abluion entrance. Positions to be indicated by Architects on site. Finish – natural anodized aluminium backplate with standard painted recessed pictogram.	-	-

CLIENT PLAN NUMBER		APPROVED BY COUNCIL / CLIENT		DATE	INITIAL	CODE	REVISION DESCRIPTION	CLIENT	PROJECT		APPROVED BY BVI	
DO NOT SCALE DRAWING IF IN DOUBT, REFER TO DRAWING OFFICE				21-09-22	JLS	B	Issued for Tender	SANBI Biodiversity for Life South African National Biodiversity Institute  bvi ENGINEERING PROCUREMENT MANAGEMENT BVi Consulting Engineers Gauteng PTY (Ltd) Registration no. 1986/00032207 Visit or contact us online at www.bvigroup.co.za PROVINCE Gauteng OFFICE Pretoria  +27 12 940 1111 E-MAIL pta@bviglp.co.za	National Zoological Gardens of South Africa			
									DRAWING TITLE			
									ZOO LOOP ABLUTIONS - WINDOW AND DOOR SCHEDULE			
									34398-03-609-06-01		A1	

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		REFERENCE DRAWINGS		CITY ENGINEER / CLIENT		REG. NO.		DATE						 SANBI Biodiversity for Life South African National Biodiversity Institute	
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				AMENDMENTS CODE											
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				Z : AS BUILT		C : BY MECHANICAL OR ELECTRICAL									
						D : BY BVI									
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Registration no. 1986/0003220/27

PROJECT

National Zoological Gardens of South Africa

DRAWING TITLE

HIPPO ABLUTIONS - SITE PLAN, FLOOR PLAN, SECTION AND ELEVATIONS

ARCHITECT

As indicated

REG. NO.

DB

DATE

2021-09-22

SCALE

As indicated

DRAWN

DB

JLS

DB

DESIGNED

DB

CHECKED

DB

DATE SAVED

2021-09-22

PLAN NUMBER

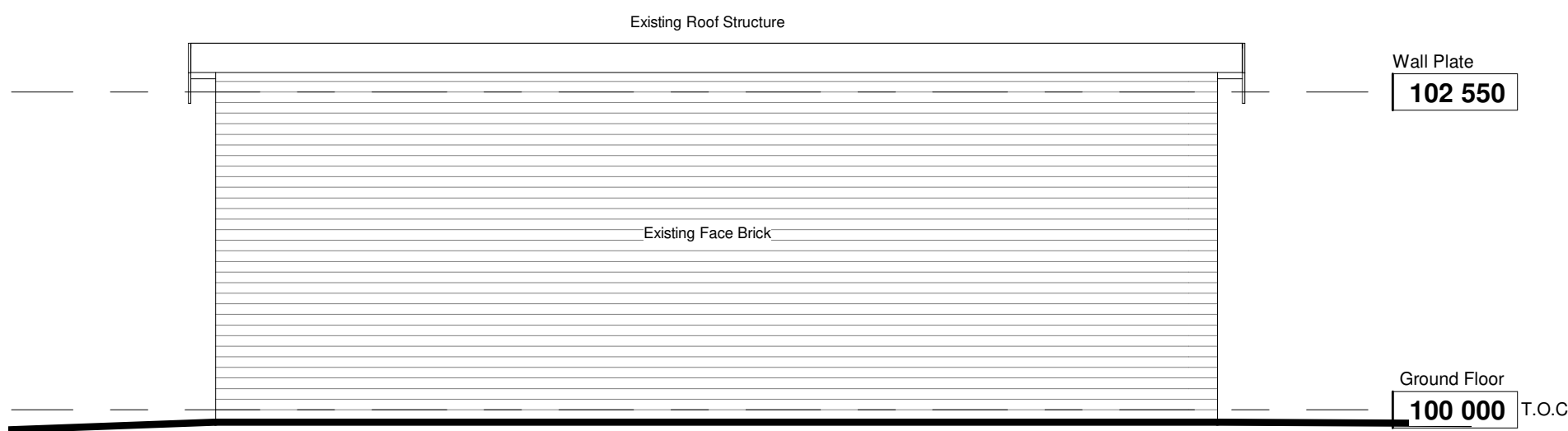
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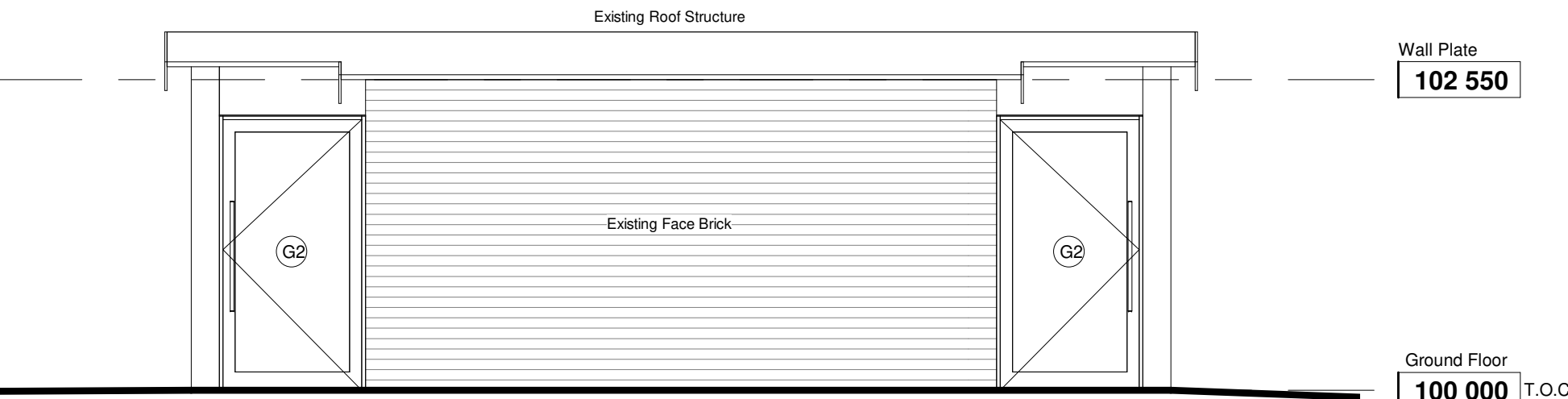
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DESMOND BRAND

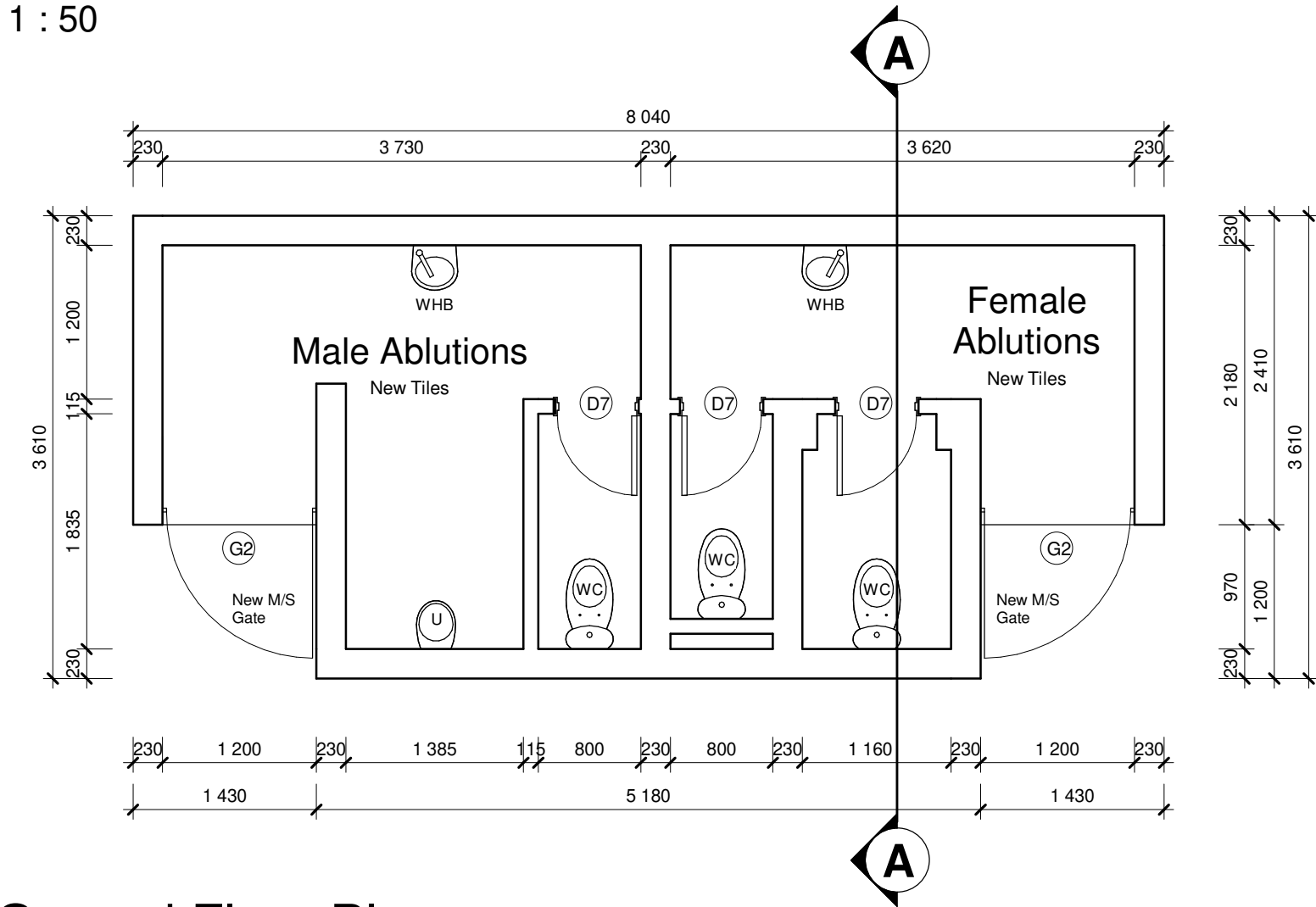
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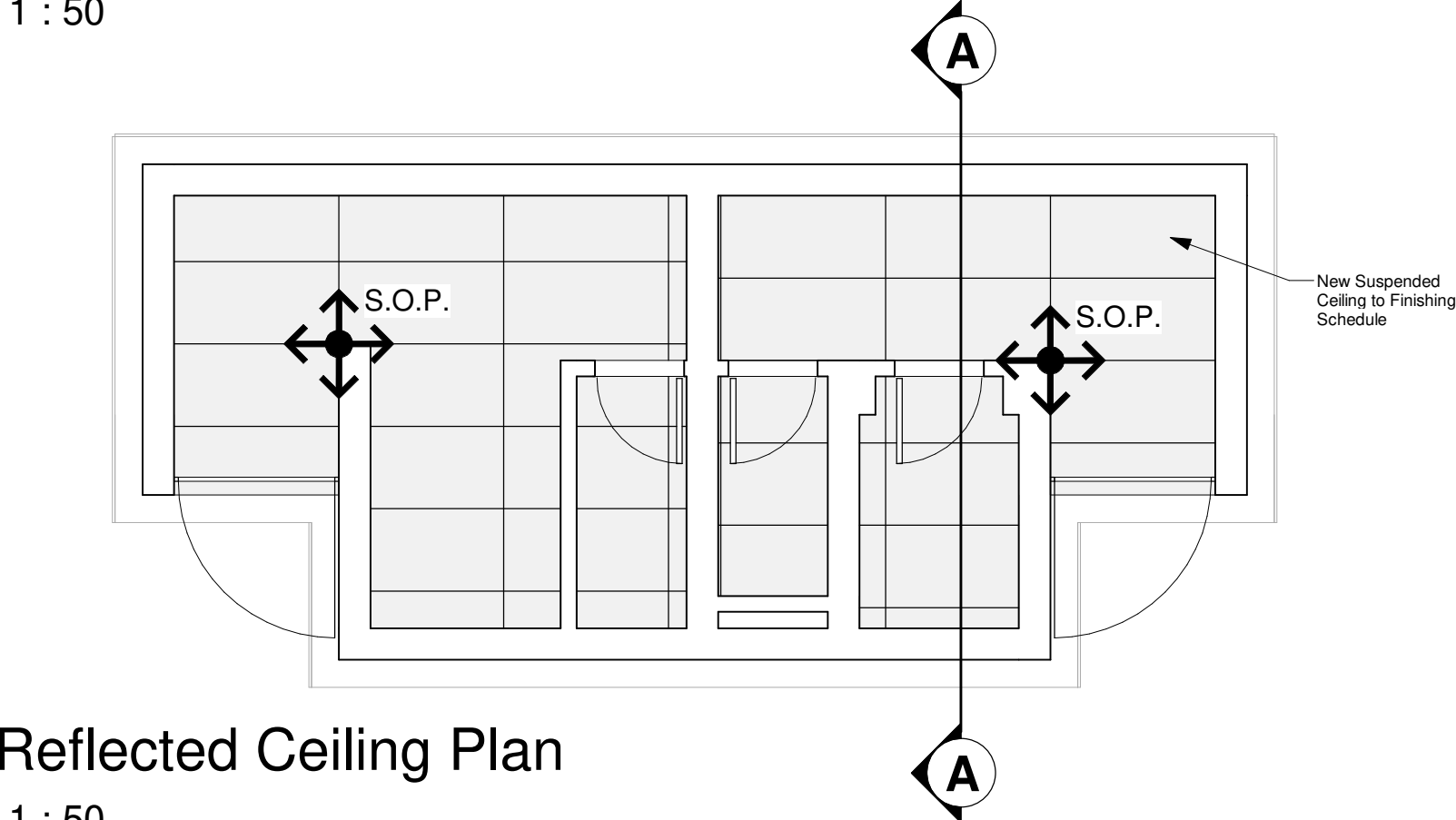
East Elevation
1 : 50



West Elevation
1 : 50

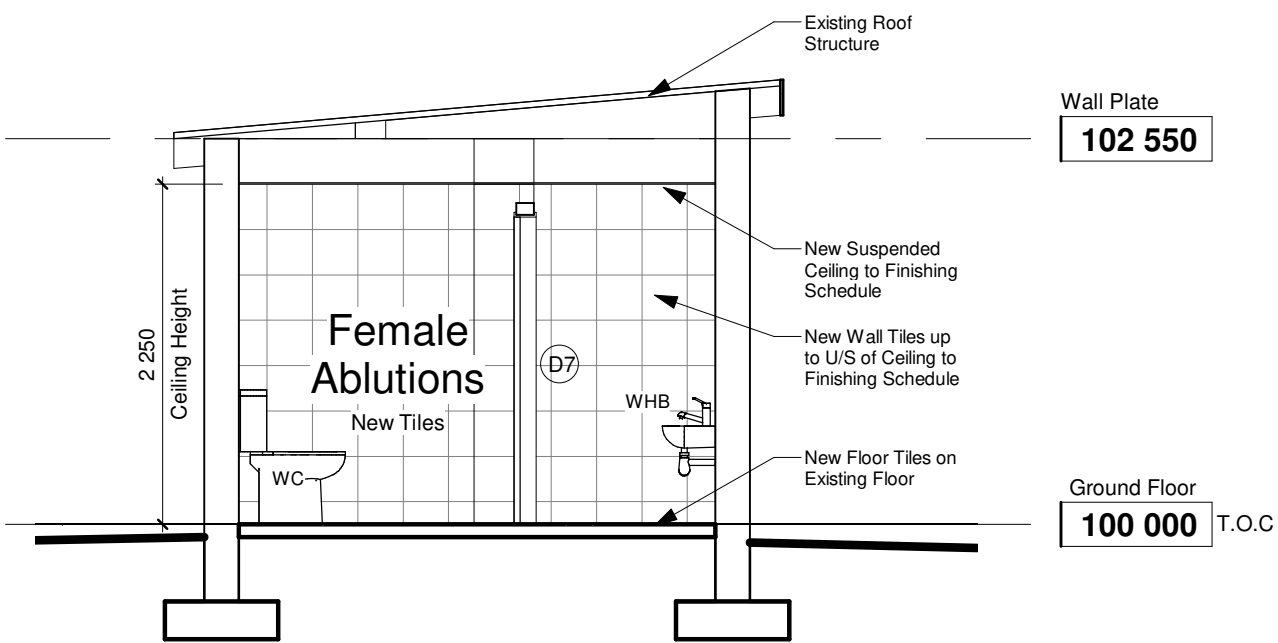


Ground Floor Plan
1 : 50



Reflected Ceiling Plan
1 : 50

DOOR SCHEDULE		
F.F.L.		
DESCRIPTION	Existing door frame with new door leaf.	New gate frame and gate.
QUANTITY	3	2
DOOR NUMBER	D7	G2
DOOR FRAME	Existing standard rebated mild steel door frame to be serviced. Existing loose and flaking paint to be removed, sanded and treated with Plascon or similar approved Polycell end Rust application and cleaned as per manufactures specification. Strike plate recess to be painted.	GATE FRAME: New mild steel hollow section gate frame with one pair hinges and brackets for fixing to brick walls. Gate frame to be supplied complete with locking mechanism.
DOOR FRAME FINISH	Apply Plascon or similar approved mild steel primer as required, one coat merit universal undercoat and finish with two coats gloss enamel paint. Colour – to be confirmed by Architects. Strike plate recess to be painted.	GATE FRAME FINISH: Gate frame to be supplied to site with a factory applied red oxide steel primer. Finish – apply one coat Plascon or similar approved mild steel primer, one coat merit universal undercoat and finished with two coats enamel paint. Colour to Architects approval.
DOOR LEAF	TDM Doors or similar approved semi solid single door leaf with hardwood edges and Masonite finish suitable for painting to both sides. Door to be provided with a double bottom rail and undercut by 150 mm.	GATE: New mild steel hollow section with square mesh infill to panels. Gate to be supplied with locking eye suitable for a pad lock. Gate to be supplied complete by manufacturer.
DOOR LEAF FINISH	Prepare and apply timber door leaf and apply one coat Plascon or similar approved wood primer – Pink UC 2, one coat merit universal undercoat - White UC 1 and two coats Plascon or similar approved gloss enamel paint. Paint to be roller applied. Colour – to Architects approval.	GATE FINISH: Gate to be supplied to site with a factory applied red oxide steel primer. Finish – apply one coat Plascon or similar approved mild steel primer, one coat merit universal undercoat and finished with two coats enamel paint. Colour to Architects approval.
HANDLE	Union/Assa Abloy or similar approved Sable straight pull handle fixed to inside face of door leaf only. Finish – Anodised Silver.	-
LOCK	Union/Assa Abloy or similar approved bathroom morticed bathroom W/C indicator bolt supplied complete. Code – AL8294AS. Finish – Anodised Silver.	Existing mild steel abluion entrance gate locking mechanism to be serviced.
COAT HOOKS	Union/Assa Abloy or similar approved bathroom coat hook with rubber lip. Code – AL8722AS. Finish –Anodised Silver.	-



Section A-A
1 : 50



Site Plan
1 : 2000

CLIENT PLAN NUMBER		APPROVED BY COUNCIL / CLIENT		DATE	INITIAL	CODE	REVISION DESCRIPTION	CLIENT		PROJECT		APPROVED BY BVI	
DO NOT SCALE DRAWING IF IN DOUBT, REFER TO DRAWING OFFICE				21-09-22	JLS	B	Issued for Tender			National Zoological Gardens of South Africa			
										DRAWING TITLE			
										NEW SECTION ABLUTIONS - PLAN, SECT, ELEV AND DOOR SCHEDULE			
										34398-03-601-05-01			
										B			
										2021-09-22 Desmond Brand			



Site Plan

1 : 2000

CLIENT PLAN NUMBER		APPROVED BY COUNCIL / CLIENT		DATE	INITIAL	CODE	REVISION DESCRIPTION	CLIENT
DO NOT SCALE DRAWING IF IN DOUBT, REFER TO DRAWING OFFICE				21-08-17	JLS	A	Issued for Review	 SANBI Biodiversity for Life South African National Biodiversity Institute
				21-09-22	JLS	B	Issued for Tender	
REFERENCE DRAWINGS		CITY ENGINEER / CLIENT		REG. NO.	DATE			
NUMBER	DRAWING DESCRIPTION	AMENDMENTS CODE						
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		Z : : AS BUILT		D : BY MECHANICAL OR ELECTRICAL				
				E : BY BVI				
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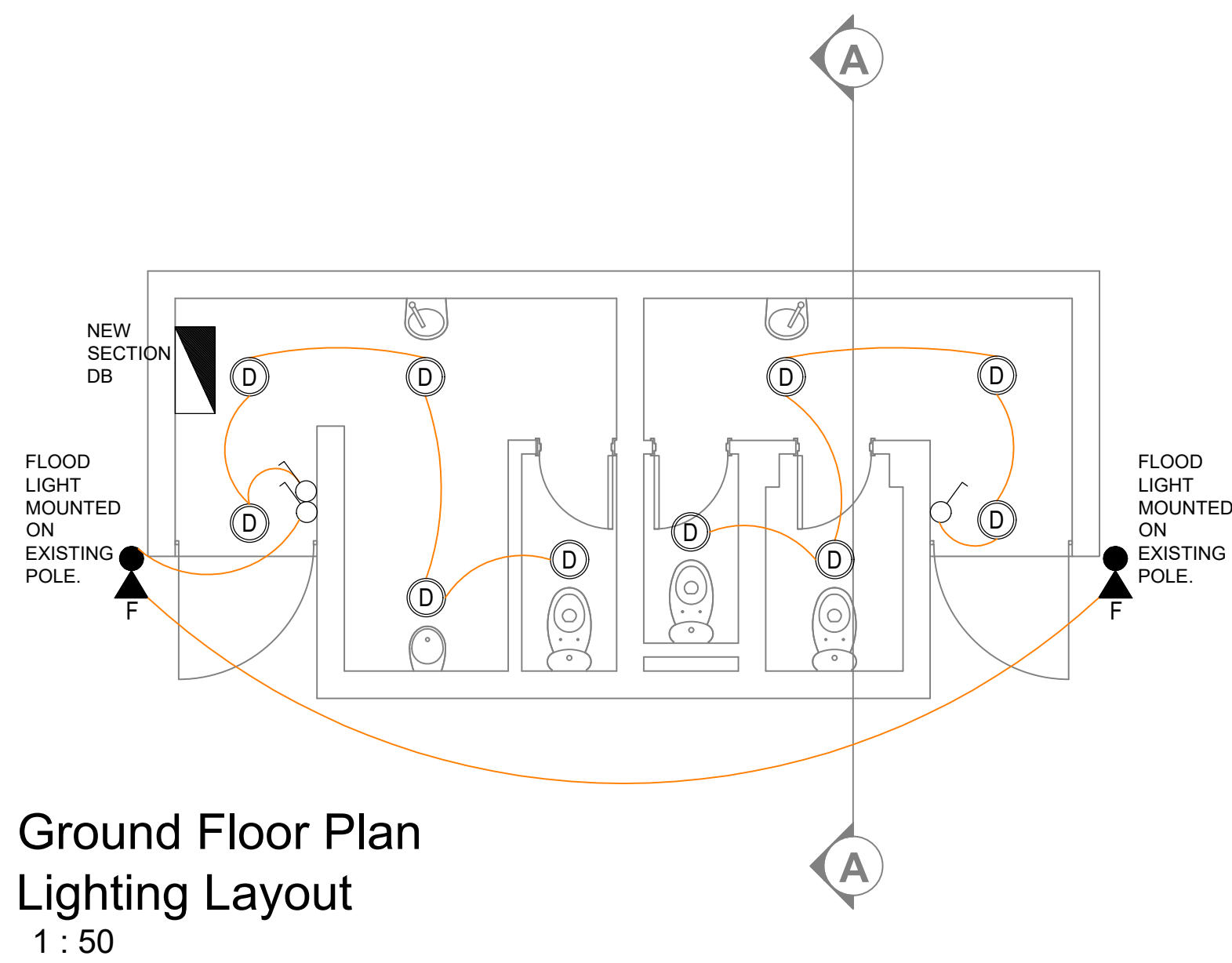
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Gauteng Pretoria +27 12 940 1111 pla@bvigp.co.za

PROJECT		APPROVED BY BVI	
National Zoological Gardens of South Africa		ARCHITECT	REG. NO. DATE
SCALE	1 : 2000	DRAWN	JLS
DESIGNED	DB	CHECKED	DB
PLAN NUMBER		REV. NO.	DATE SAVED
34398-03-601-07-01		B	2021-09-22 Desmond Brand

WALKWAY - SITE PLAN

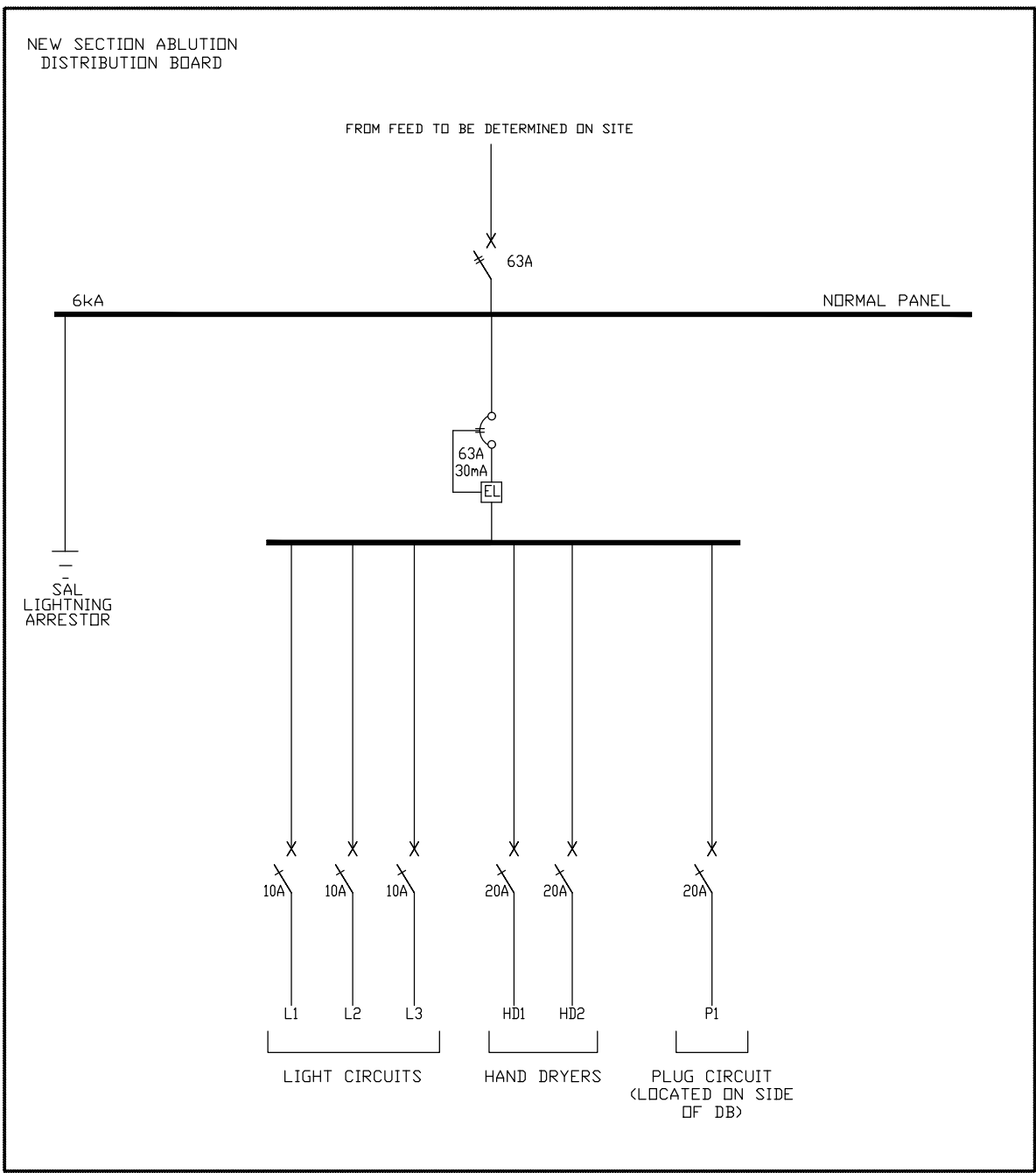

DESMOND BRAND
DIRECTOR
NATIONAL ZOOLOGICAL GARDENS OF SOUTH AFRICA



Ground Floor Plan
Lighting Layout
1 : 50

LEGEND:	
SYMBOL	DESCRIPTION
	RECESSED MOUNTED DOWN LIGHT COMPLETE WITH 4000K 10W LED's, 3m CORD SET AND 6A PLUG TOP. TYPE LASCON REEL D/L10W - 4000K NON-DIM IP44 RATED OR SIMILAR.
	FLOOD LIGHT COMPLETE WITH 4000K 75W LED's AND STIRRUP MOUNTING BRACKET. TYPE BEKA OMNISTAR MI128 75N1440A1G S/75W OR SIMILAR.
	SURFACE MOUNTED ONE WAY ONE LEVER LIGHT SWITCH WITH STEEL COVER PLATE. HEIGHT - 1200mm AFFL
	SURFACE MOUNTED 20A DOUBLE POLE HAND DRYER ISOLATOR SWITCH WITH STEEL COVER PLATE. HEIGHT - 250mm BELOW CEILING
	SURFACE MOUNTED DISTRIBUTION BOARD

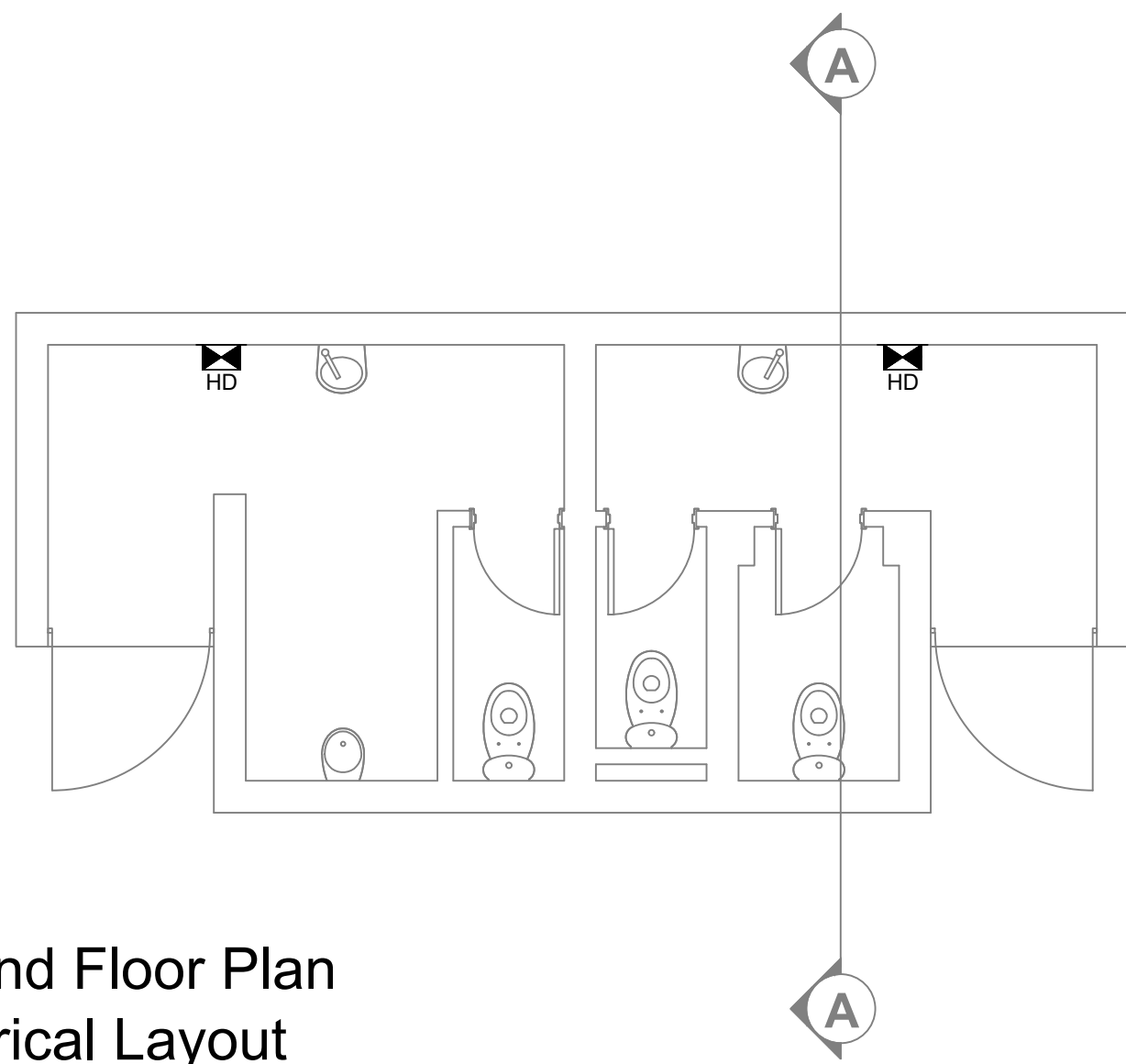
- NOTES:**
- USE STEEL CONDUIT FOR INDOOR SURFACE MOUNTED OR OUTDOOR APPLICATIONS AND PVC CONDUIT IN CEILING VOID OR CONCRETE APPLICATIONS. USE HOSPITAL SADDLES FOR STEEL CONDUIT.
 - FLUSH MOUNTED LUMINAIRE WILL BE SUPPLIED WITH 3m CORD SET AND 6A PLUG TOP. INSTALL 6A UNSWITCHED SOCKET OUTLETS IN 65mmØ OUTLET BOXES.
 - CONNECT SURFACE MOUNTED LUMINAIRE VIA 65mmØ OUTLET BOX MOUNTED IN CEILING VOID OR FLUSH IN WALL.
 - ON SITE COORDINATION BETWEEN ALL SERVICES SHOULD BE DONE (BY CONTRACTOR) BEFORE ANY INSTALLATION WORK COMMENCES.
 - INSTALL WIRING/CABLING IN CONDUIT, WIRING CHANNEL OR ON CABLE LADDER.
 - FLOOD LIGHTS SHOULD BE INSTALLED ON A RETROFIT SWIVEL POLE MOUNTING BRACKET EQUAL OR SIMILAR TO EAZYREACH ROTATE POLE AND MOUNTED AT GUTTER HEIGHT AGAINST THE STRUCTURE.



Schematic Layout

LEGEND	
	BUSBAR
	SINGLE POLE
	DOUBLE POLE
	TRIPLE POLE
	ISOLATOR
	MOULDED CASE CIRCUIT BREAKER SIZE AS SHOWN
	EARTH LEAKAGE PROTECTION UNIT WITH OVERLOAD PROTECTION
	EARTH LEAKAGE PROTECTION UNIT WITH DISCONNECTOR
	ELECTRICITY CONSUMPTION METER
	COMBINATION FUSE SWITCH UNIT 125 A = FUSE SIZE 160 A = SWITCH FUSE FRAME SIZE
	SPLIT METERING FOR PRE-PAID METER
	PHOTO CELL
	CABLES
	WIRING IN CONDUIT
	CONTACTOR IN DB WITH BYPASS SWITCH IN DB, CONTROLLED VIA PHOTO CELL MOUNTED ELSEWHERE

- NOTES:**
- DISTRIBUTION BOARD TO BE WALL MOUNTED
 - DISTRIBUTION BOARD TO BE IP54 RATED
 - DISTRIBUTION BOARD TO HAVE A LOCKABLE DOOR
 - ALLOW FOR 20% SPARE SPACE
 - CIRCUIT BREAKERS TO BE CBI
 - COLOR: ORANGE
 - SUPPLY DOUBLE SOCKET OUTLET ON SIDE OF DB



Ground Floor Plan
Electrical Layout
1 : 50

Proposed Luminaires



Beka OmniStar

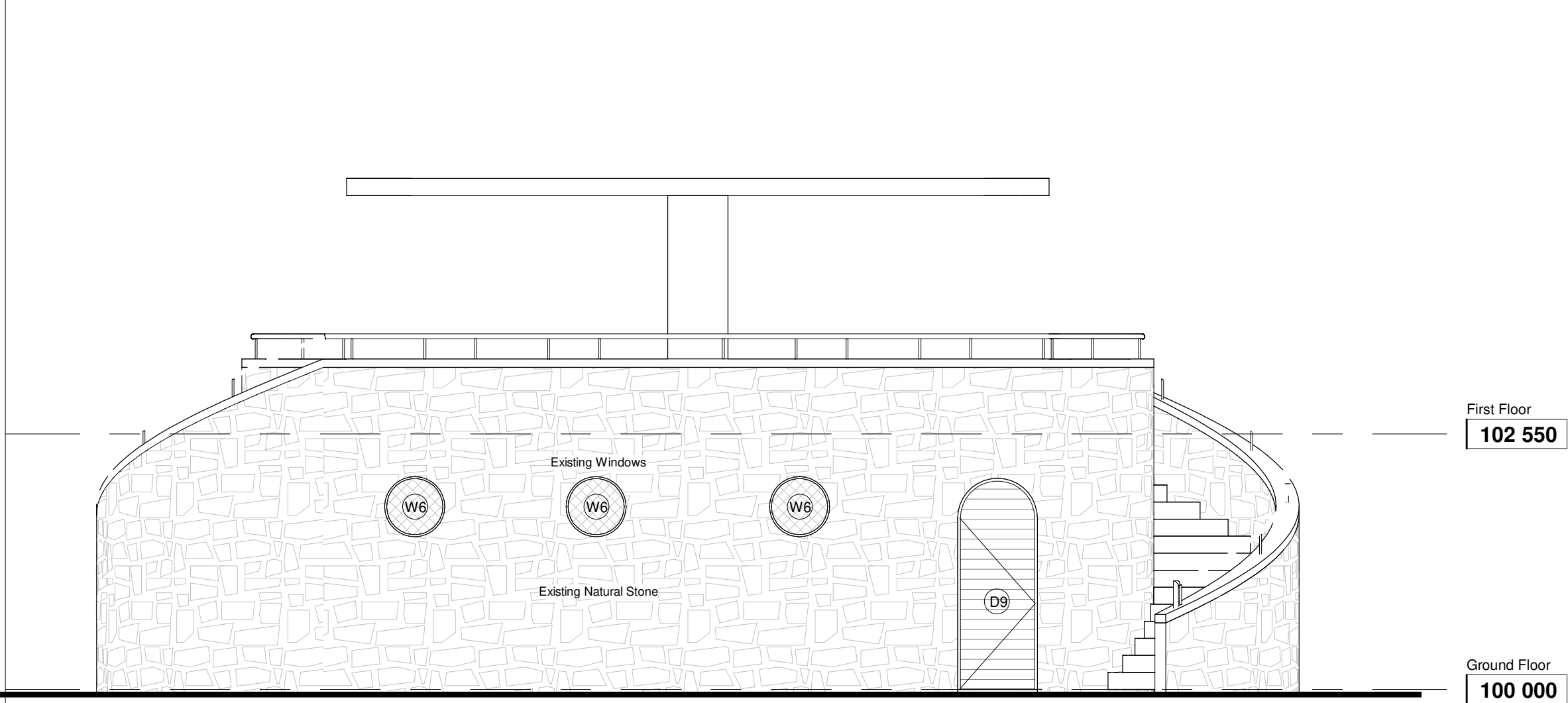


Lascon Reel D/L

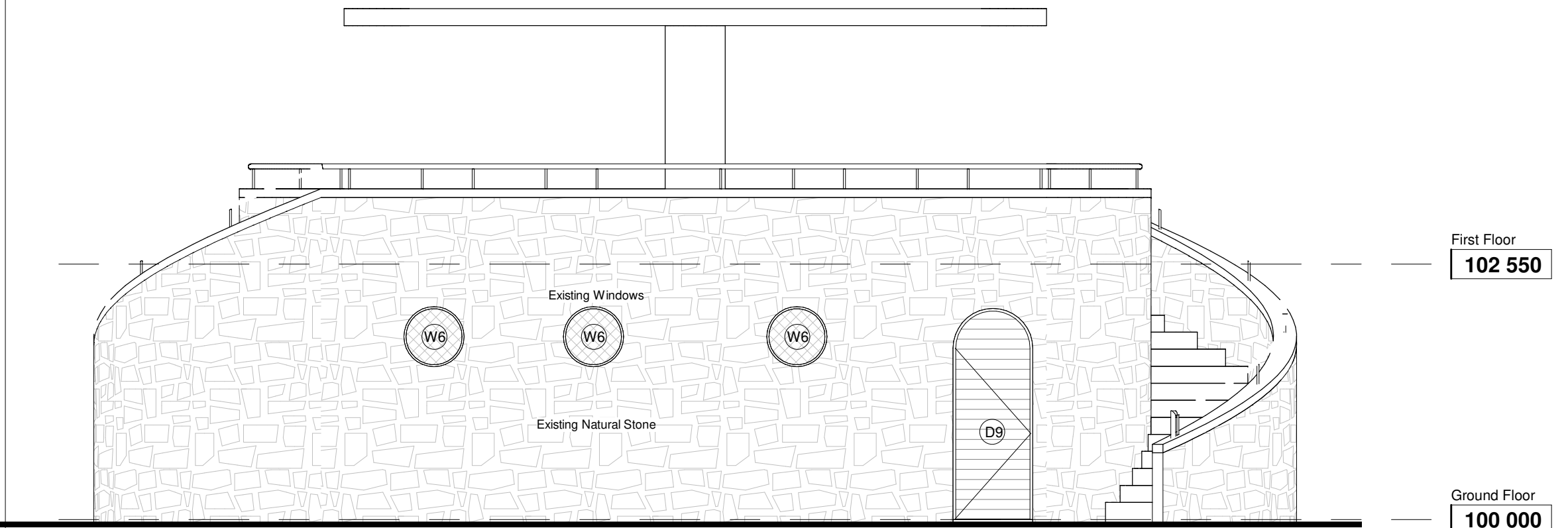
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DO NOT SCALE DRAWING IF IN DOUBT, REFER TO DRAWING OFFICE						28/09/2021	G.F.	AA	ISSUED FOR TENDER	 SANBI Biodiversity for Life South African National Biodiversity Institute  ENGINEERING PROCUREMENT MANAGEMENT BVI Consulting Engineers Gauteng PTY (Ltd) Registration No: 1989/000022/01 Visit or contact us online at www.bvigroup.co.za PROVINCE: Gauteng OFFICE: Pretoria E-MAIL: pta@bvigp.co.za +27 12 940 1111	
		REFERENCE DRAWINGS		CITY ENGINEER / CLIENT		REG. NO.	DATE				
NUMBER	DRAWING DESCRIPTION	AMENDMENTS CODE									
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PROJECT		APPROVED BY BVI			
National Zoological Gardens of South Africa		ENGINEER/TECHNOLOGIST		REG. NO.	DATE
		SCALE	As indicated	DRAWN	FN
DRAWING TITLE		DESIGNED	GF	CHECKED	GF
New Section Ablutions - Ground Floor Plan Electrical And Lighting Layout		PLAN NUMBER		REV. NO.	DATE SAVED
		34398-03-310-05-01		AA	28/09/2021 RE-Francois

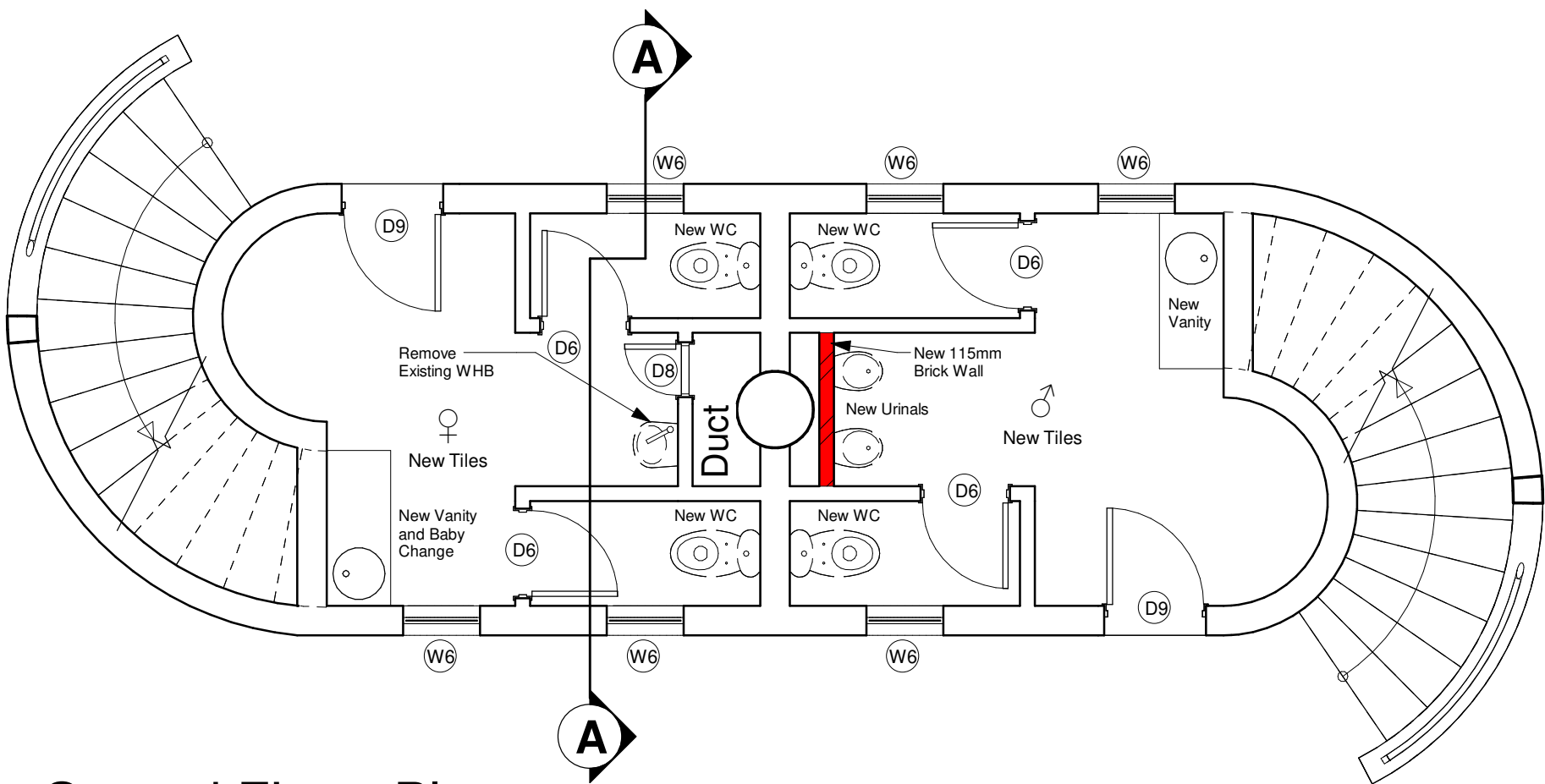
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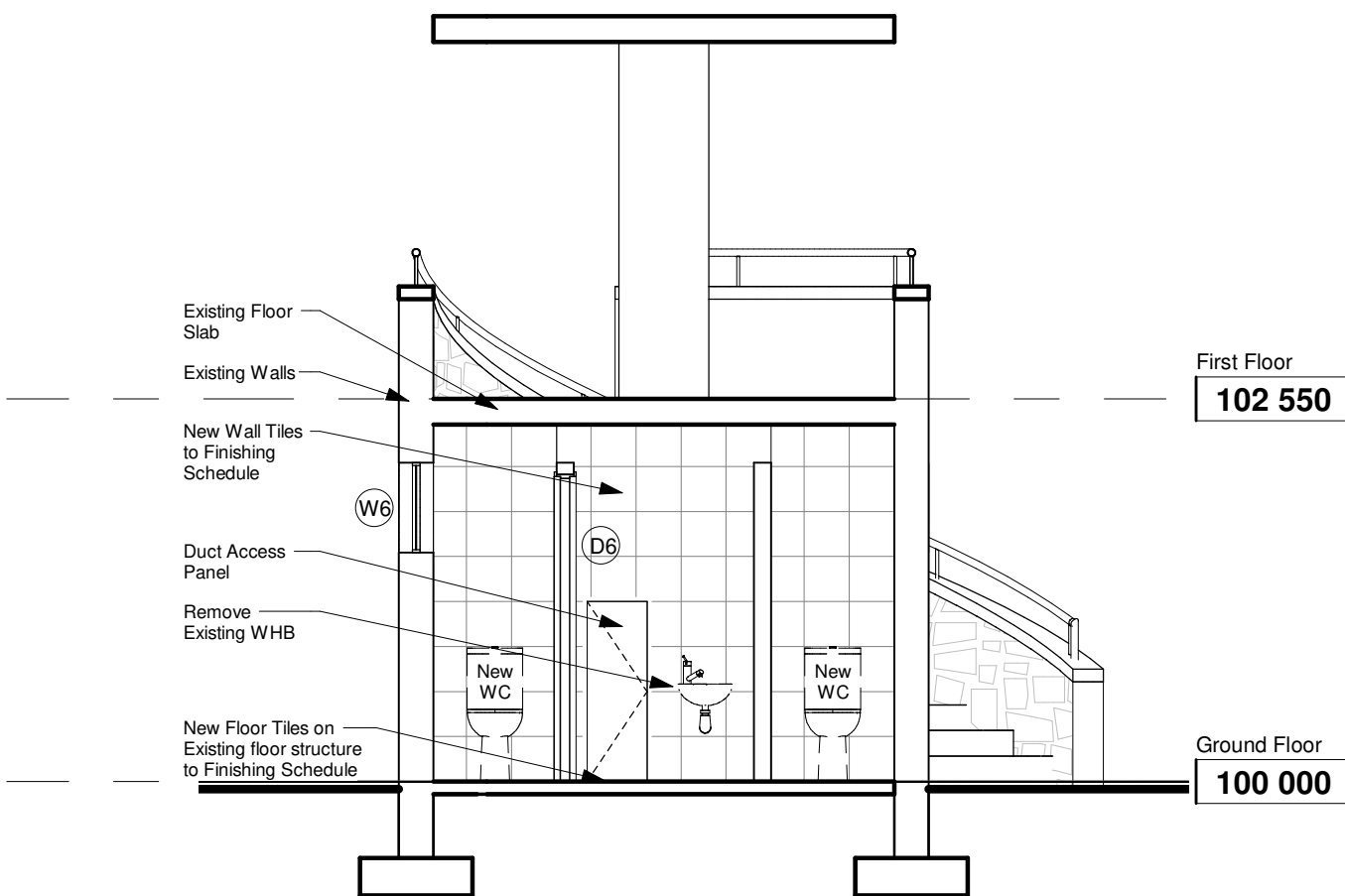
North Elevation
1 : 50



South Elevation
1 : 50



Ground Floor Plan
1 : 50

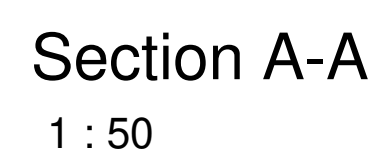
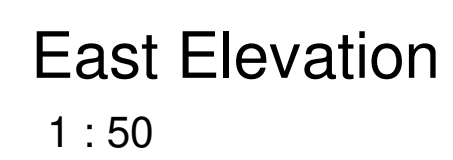


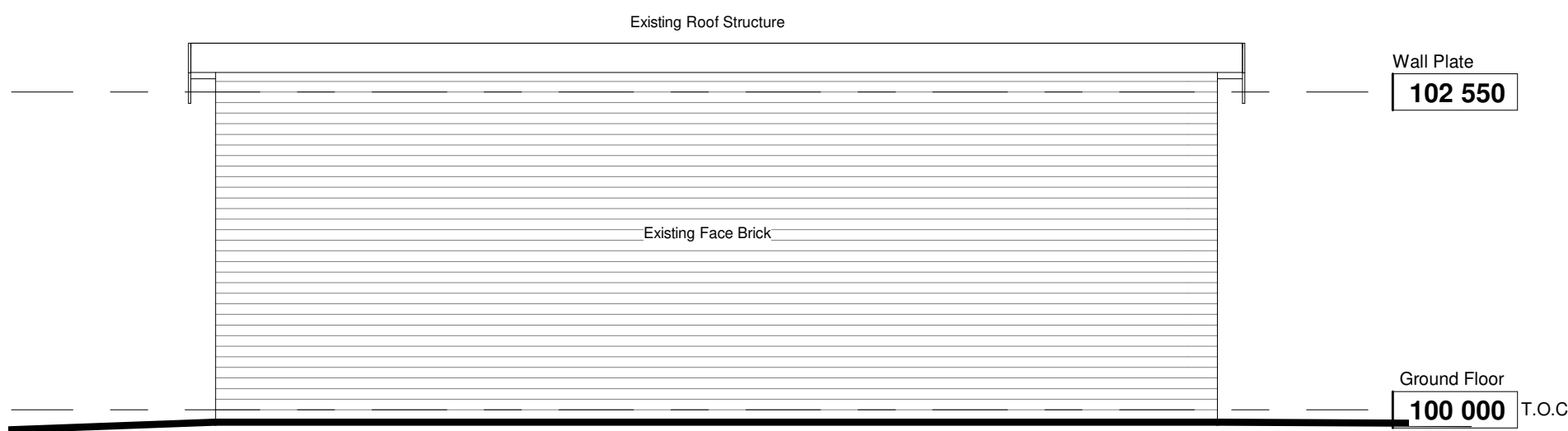
Section A-A
1 : 50



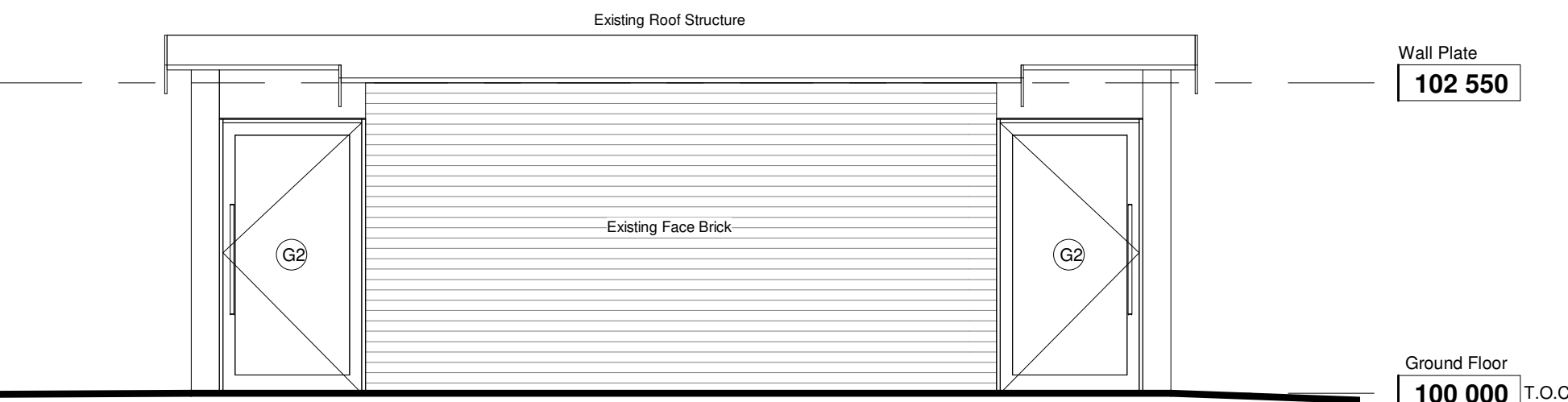
Site Plan
1 : 2000

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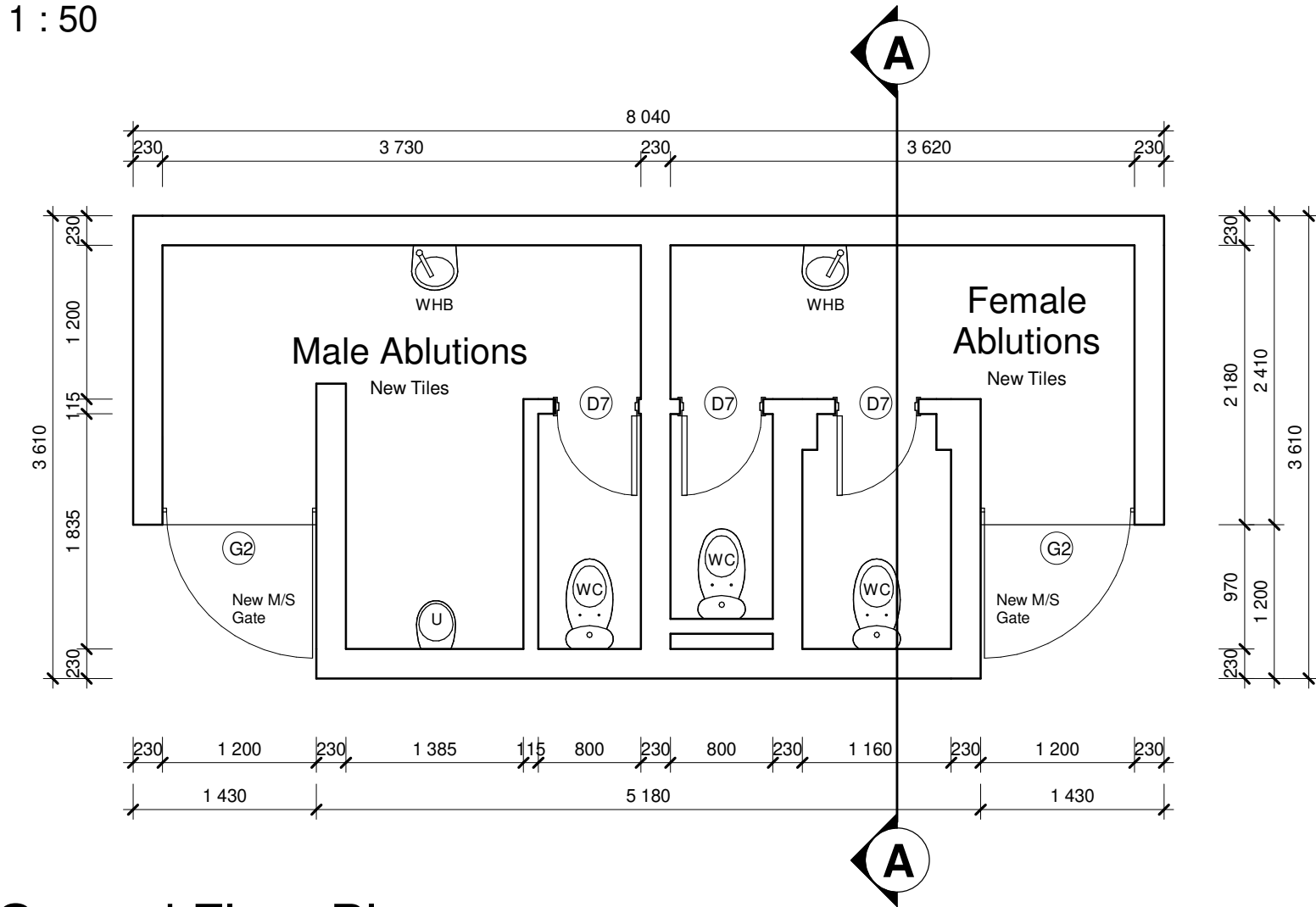
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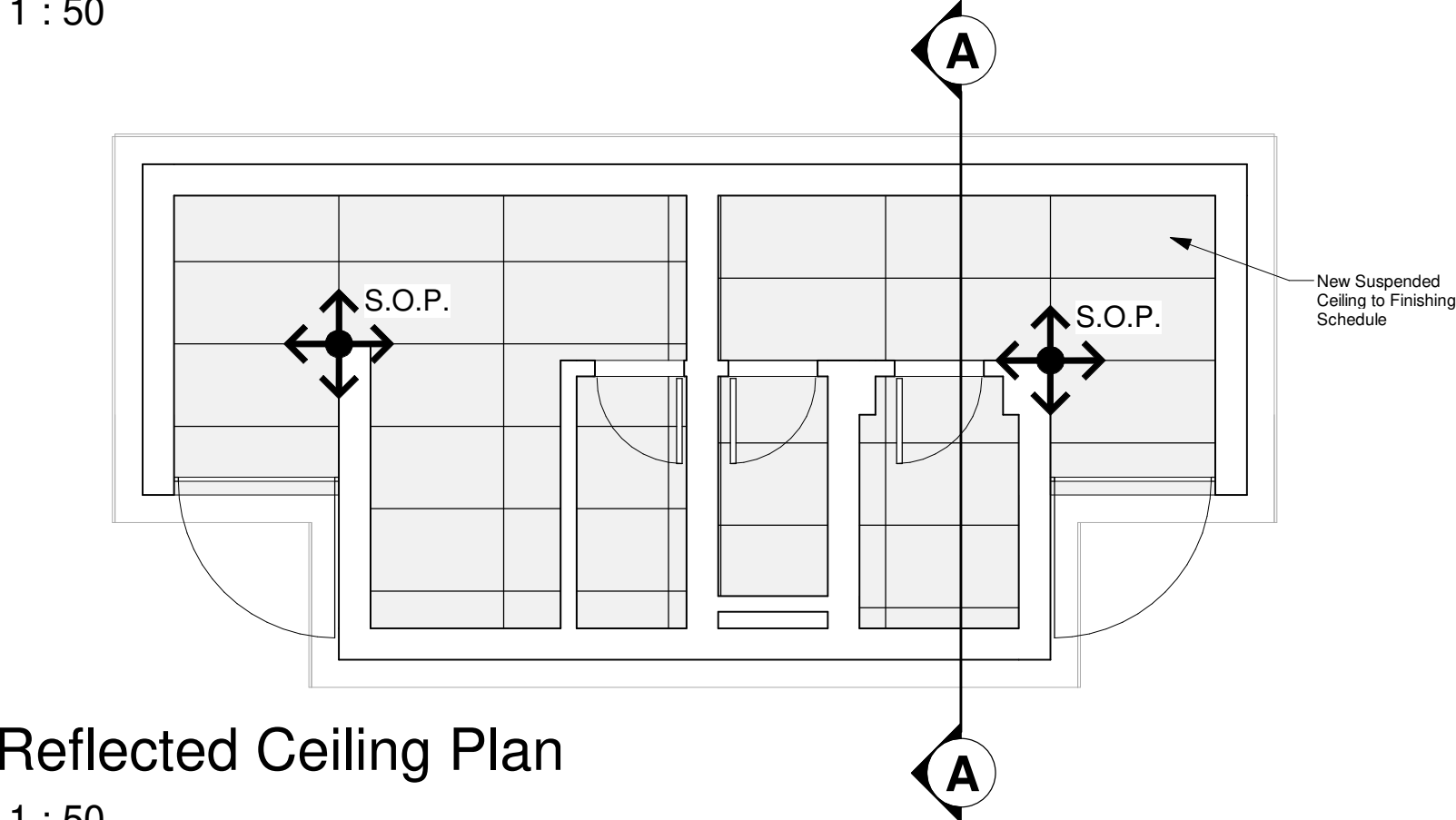
East Elevation
1 : 50



West Elevation
1 : 50

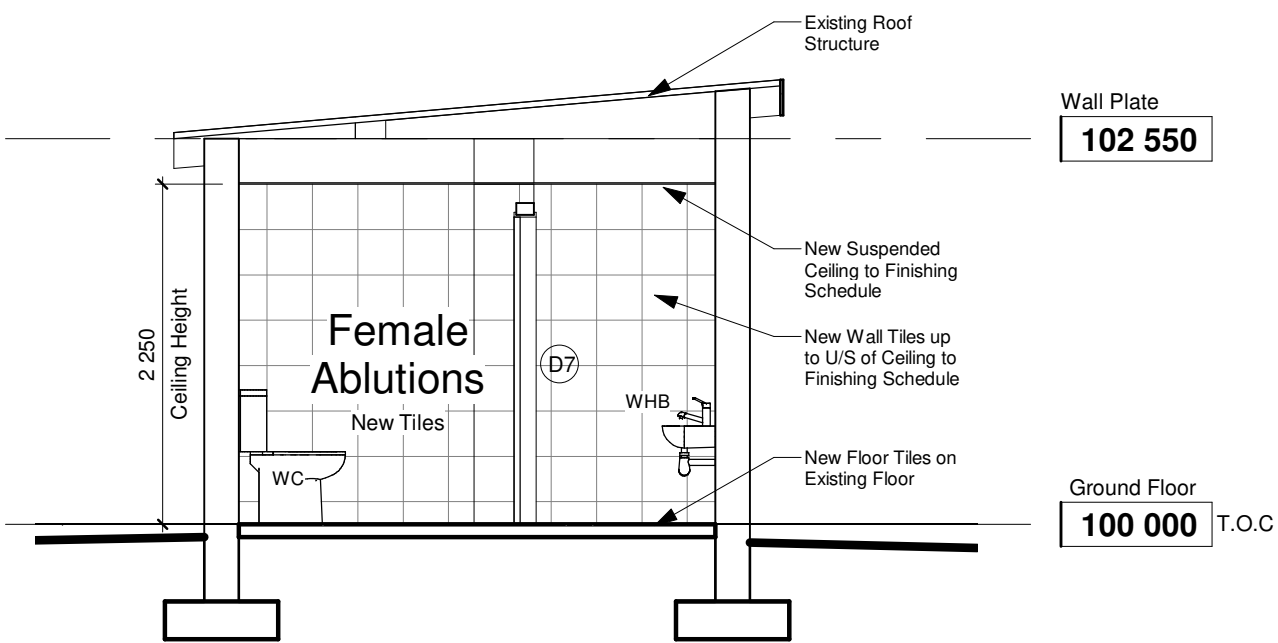


Ground Floor Plan
1 : 50



Reflected Ceiling Plan
1 : 50

DOOR SCHEDULE		
F.F.L.		
DESCRIPTION	Existing door frame with new door leaf.	New gate frame and gate.
QUANTITY	3	2
DOOR NUMBER	D7	G2
DOOR FRAME	Existing standard rebated mild steel door frame to be serviced. Existing loose and flaking paint to be removed, sanded and treated with Plascon or similar approved Polycell end Rust application and cleaned as per manufactures specification. Strike plate recess to be painted.	GATE FRAME: New mild steel hollow section gate frame with one pair hinges and brackets for fixing to brick walls. Gate frame to be supplied complete with locking mechanism.
DOOR FRAME FINISH	Apply Plascon or similar approved mild steel primer as required, one coat merit universal undercoat and finish with two coats gloss enamel paint. Colour – to be confirmed by Architects. Strike plate recess to be painted.	GATE FRAME FINISH: Gate frame to be supplied to site with a factory applied red oxide steel primer. Finish – apply one coat Plascon or similar approved mild steel primer, one coat merit universal undercoat and finished with two coats enamel paint. Colour to Architects approval.
DOOR LEAF	TDM Doors or similar approved semi solid single door leaf with hardwood edges and Masonite finish suitable for painting to both sides. Door to be provided with a double bottom rail and undercut by 150 mm.	GATE: New mild steel hollow section with square mesh infill to panels. Gate to be supplied with locking eye suitable for a pad lock. Gate to be supplied complete by manufacturer.
DOOR LEAF FINISH	Prepare and apply timber door leaf and apply one coat Plascon or similar approved wood primer – Pink UC 2, one coat merit universal undercoat - White UC 1 and two coats Plascon or similar approved gloss enamel paint. Paint to be roller applied. Colour – to Architects approval.	GATE FINISH: Gate to be supplied to site with a factory applied red oxide steel primer. Finish – apply one coat Plascon or similar approved mild steel primer, one coat merit universal undercoat and finished with two coats enamel paint. Colour to Architects approval.
HANDLE	Union/Assa Abloy or similar approved Sable straight pull handle fixed to inside face of door leaf only. Finish – Anodised Silver.	-
LOCK	Union/Assa Abloy or similar approved bathroom morticed bathroom W/C indicator bolt supplied complete. Code – AL8294AS. Finish – Anodised Silver.	Existing mild steel abluion entrance gate locking mechanism to be serviced.
COAT HOOKS	Union/Assa Abloy or similar approved bathroom coat hook with rubber lip. Code – AL8722AS. Finish –Anodised Silver.	-



Section A-A
1 : 50



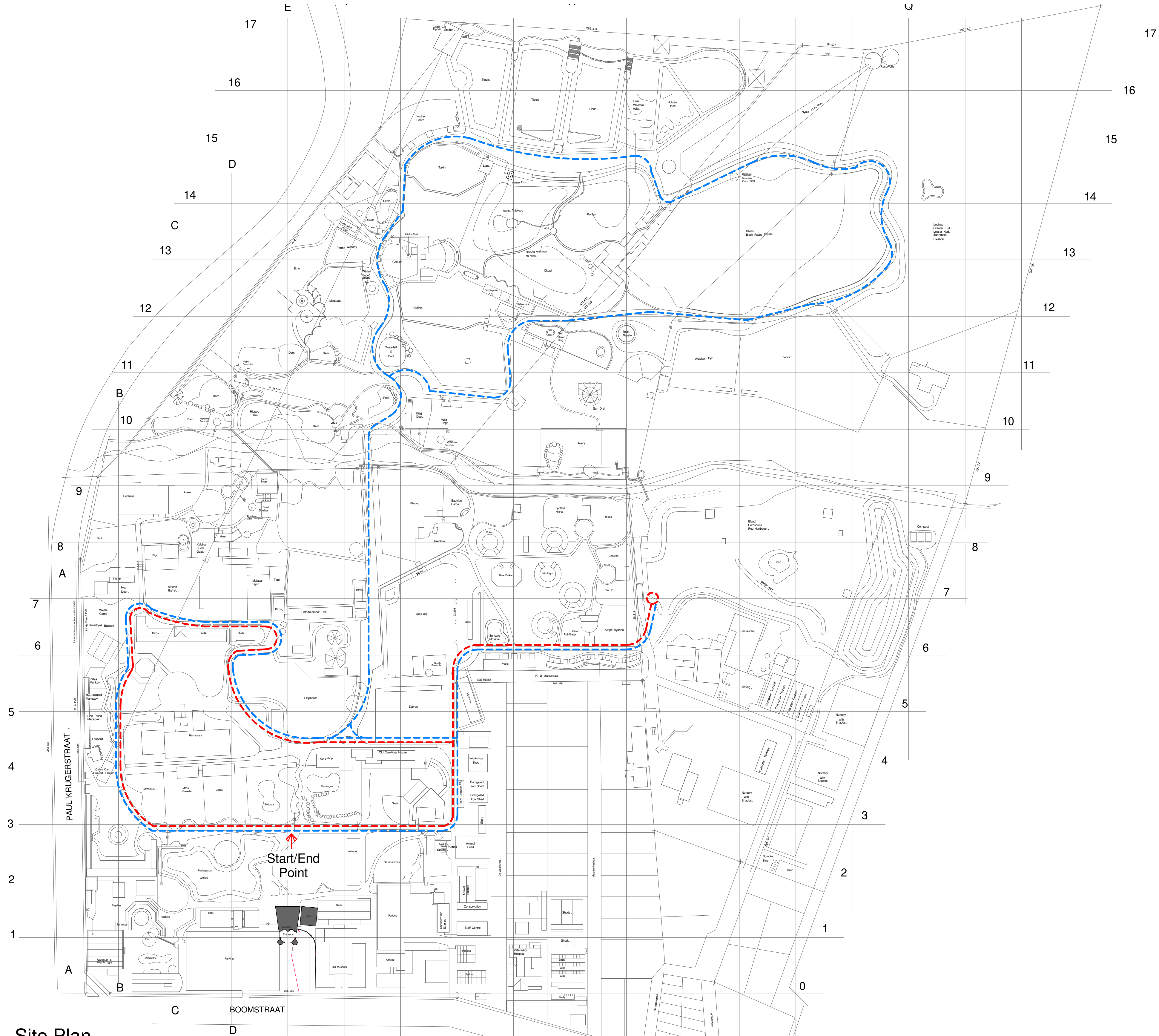
Site Plan
1 : 2000

CLIENT PLAN NUMBER			APPROVED BY COUNCIL / CLIENT			DATE	INITIAL	CODE	REVISION DESCRIPTION	CLIENT		PROJECT		APPROVED BY BVI		
DO NOT SCALE DRAWING IF IN DOUBT, REFER TO DRAWING OFFICE						21-09-22	JLS	B	Issued for Tender			National Zoological Gardens of South Africa				
												DRAWING TITLE				
												NEW SECTION ABLUTIONS - PLAN, SECT, ELEV AND DOOR SCHEDULE				
												34398-03-601-05-01		B		2021-09-22 Desmond Brand
																A1



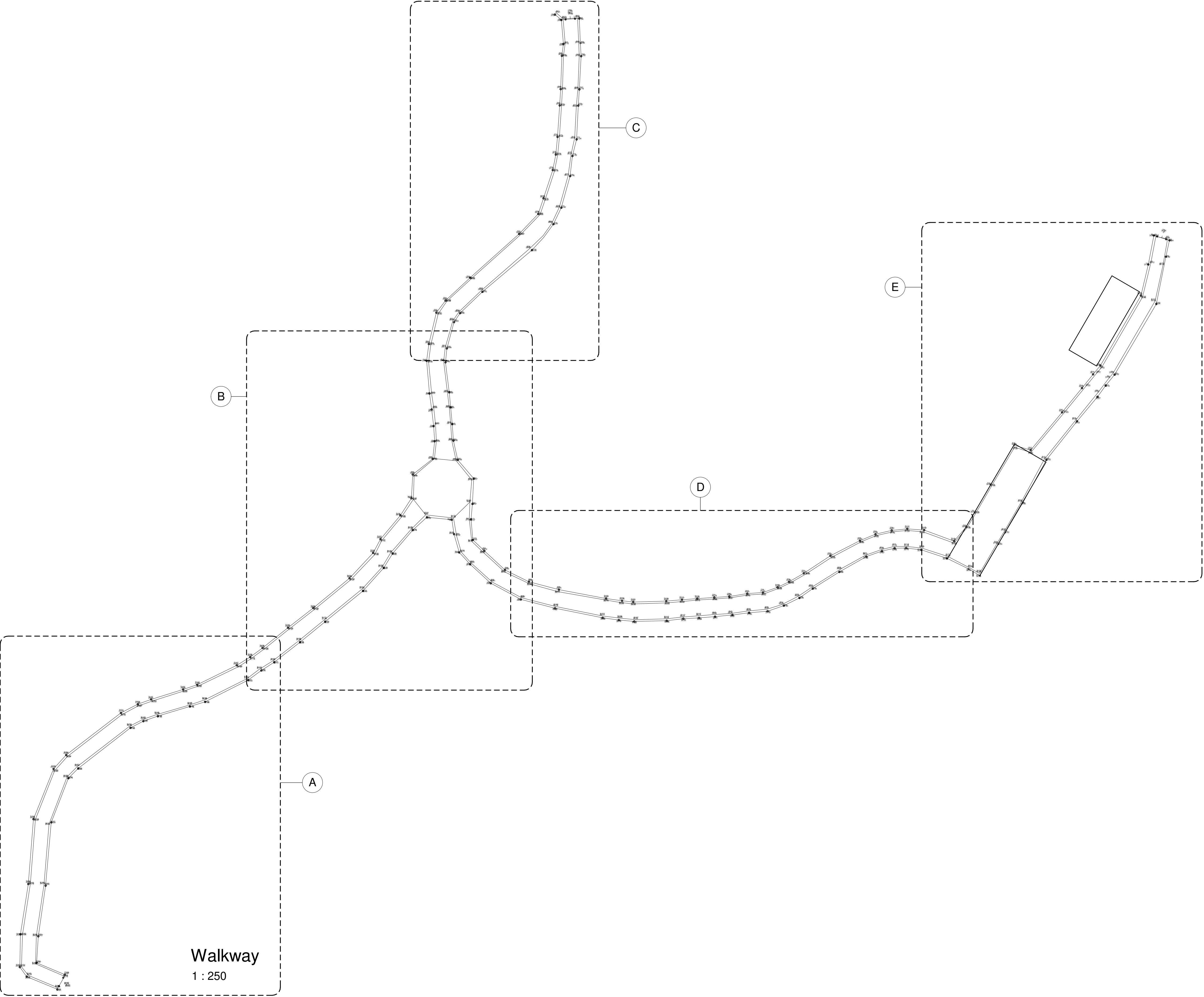
Site Plan
1 : 2000

CLIENT PLAN NUMBER		APPROVED BY COUNCIL / CLIENT		DATE	INITIAL	CODE	REVISION DESCRIPTION	CLIENT		PROJECT		APPROVED BY BVI		
DO NOT SCALE DRAWING IF IN DOUBT, REFER TO DRAWING OFFICE		CITY ENGINEER / CLIENT		21-08-17	JLS	A	Issued for Review	 South African National Biodiversity Institute		 NATIONAL ZOOLOGICAL GARDENS OF SOUTH AFRICA		ARCHITECT		
		REG. NO.		21-09-22	JLS	B	Issued for Tender					REG. NO.		
		DATE										DATE		
		AMENDMENTS CODE										DRAWING TITLE		
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		00/99 / : CONSTRUCTION						 BVI Consulting Engineers Gauteng PTY (Ltd) Registration no. 1996/00032207		 ENGINEERING PROCUREMENT MANAGEMENT		DESIGNED		
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												Desmond Brand		
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								Pretoria		+27 12 940 1111				
								pla@bvigp.co.za						



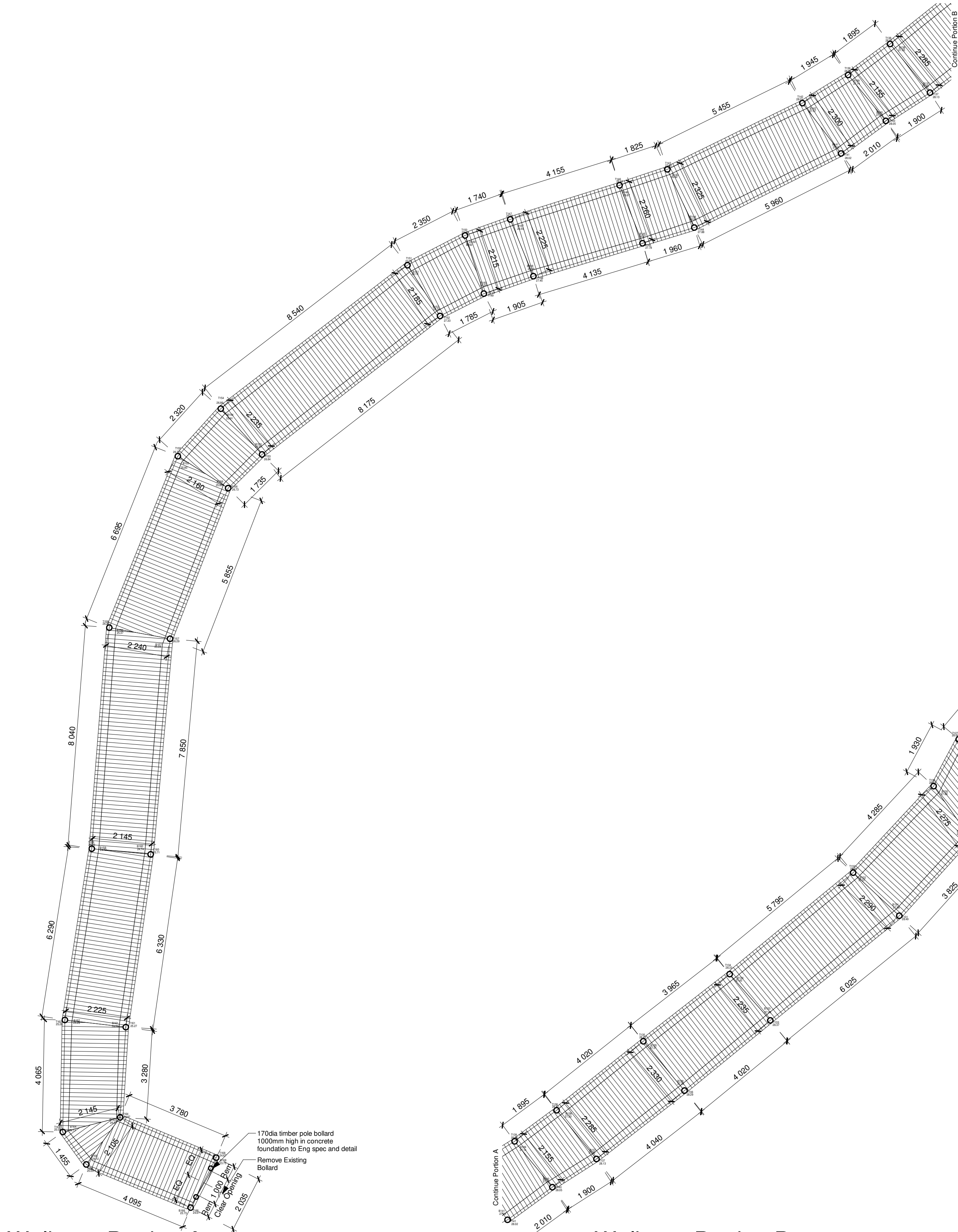
Site Plan
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DO NOT SCALE DRAWING IF IN DOUBT, REFER TO DRAWING OFFICE				21-09-22	JLS	A	Issued for Tender			National Zoological Gardens of South Africa			
										DRAWING TITLE			
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										34398-03-601-08-01			
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										2021-09-22 Desmond Brand			

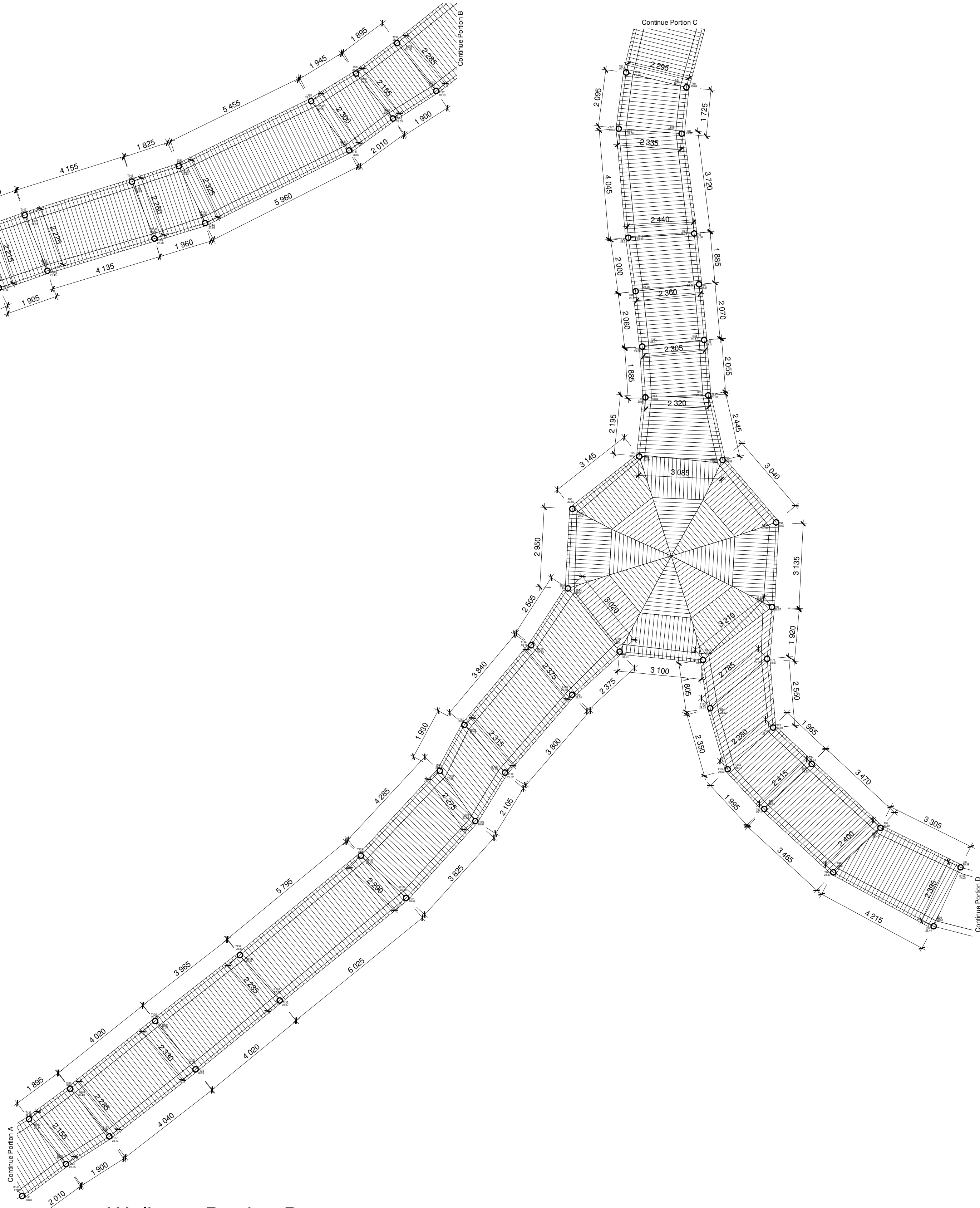


Walkway
1 : 250

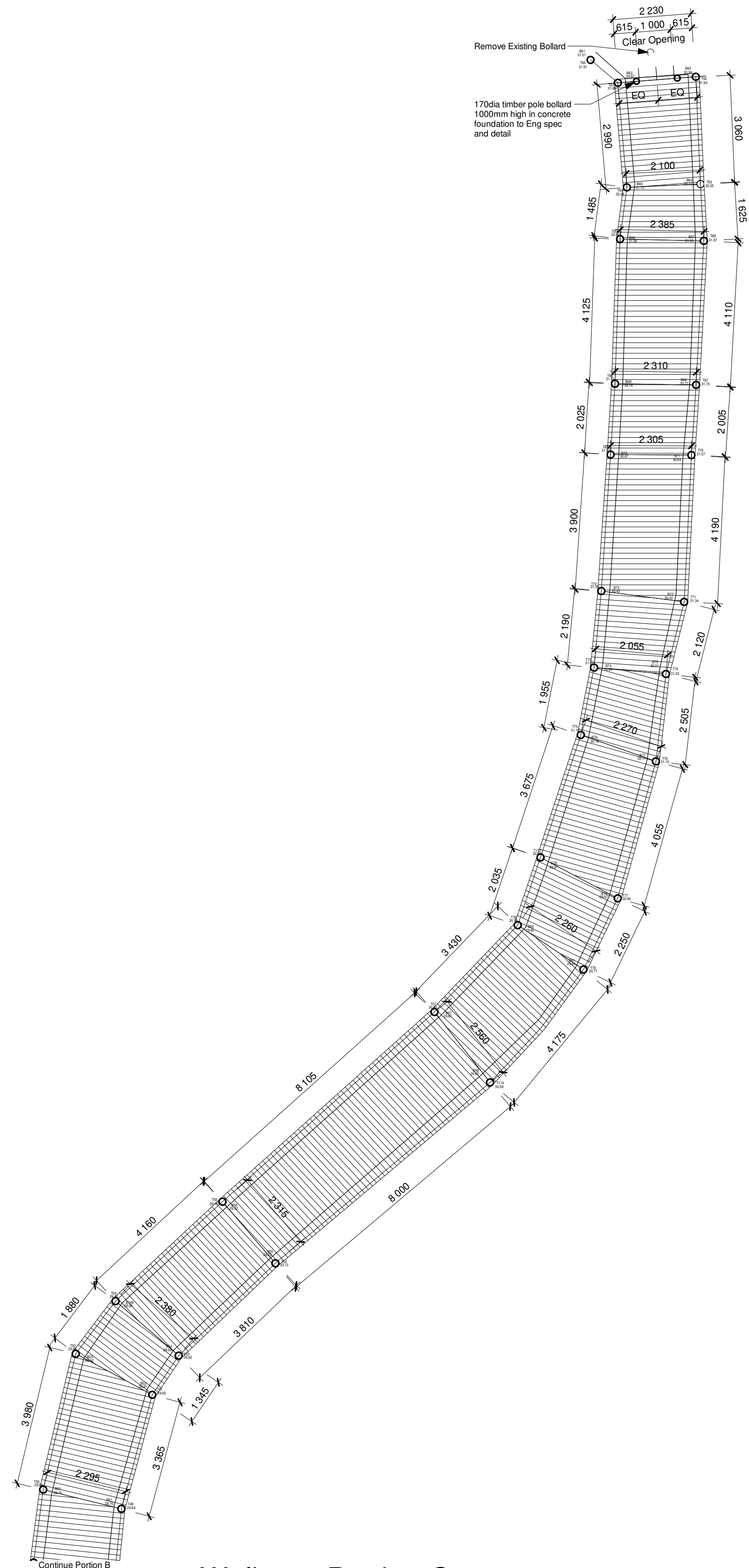
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DO NOT SCALE DRAWING IF IN DOUBT, REFER TO DRAWING OFFICE				21-08-17	JLS	A	Issued for Review	
				21-09-22	JLS	B	Issued for Tender	
		CITY ENGINEER / CLIENT		REG. NO.	DATE			
		NUMBER		DRAWING DESCRIPTION		AMENDMENTS CODE		



Walkway Portion A
1 : 100

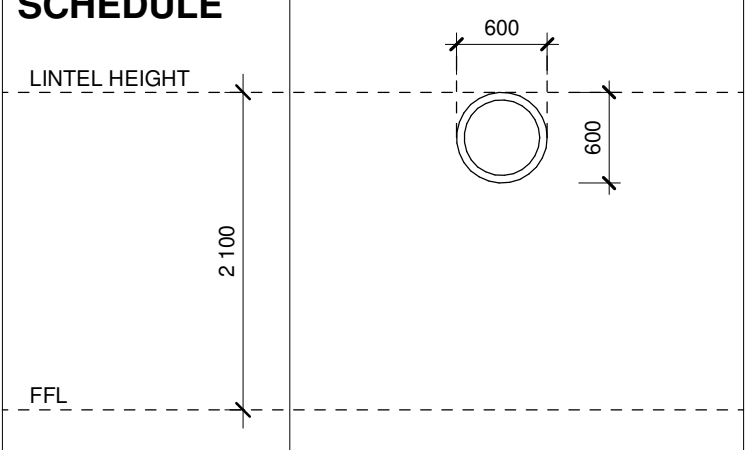


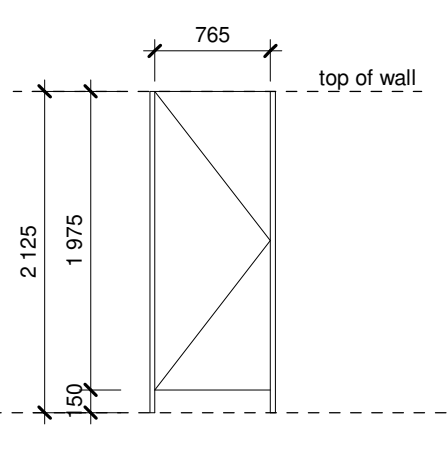
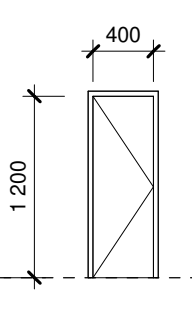
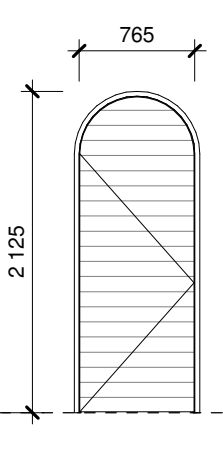
Walkway Portion B
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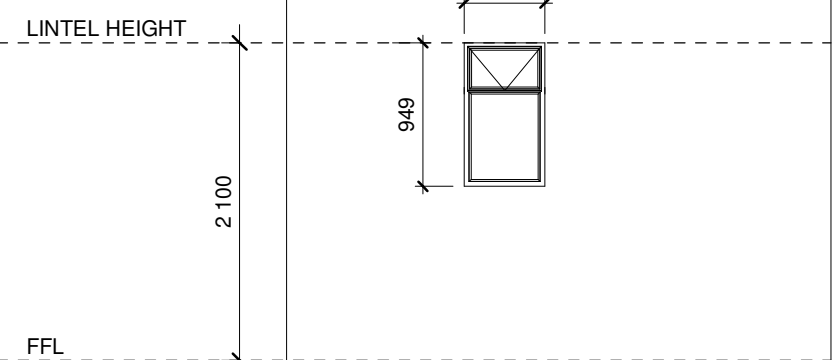
Walkway Portion C
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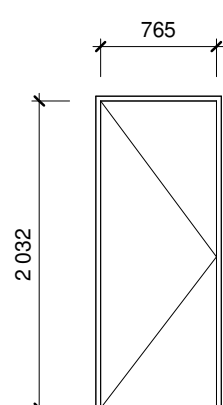
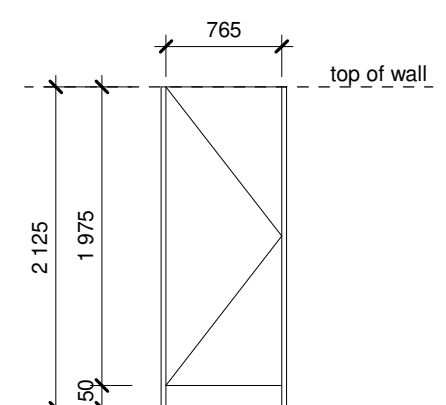
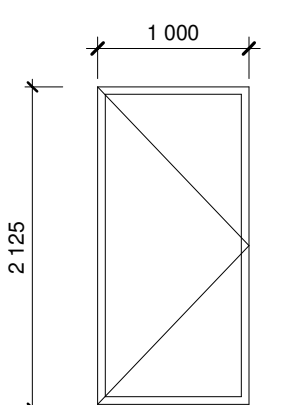
CLIENT PLAN NUMBER		APPROVED BY COUNCIL / CLIENT		DATE	INITIAL	CODE	REVISION DESCRIPTION	CLIENT
DO NOT SCALE DRAWING IF IN DOUBT, REFER TO DRAWING OFFICE				21-08-17	JLS	A	Issued for Review	
				21-09-22	JLS	B	Issued for Tender	
REFERENCE DRAWINGS		CITY ENGINEER / CLIENT	REG. NO.	DATE				
NUMBER	DRAWING DESCRIPTION	AMENDMENTS CODE						

WINDOW SCHEDULE	
	
DESCRIPTION	New timber window frame and fixed panel to same.
QUANTITY	6
WINDOW NUMBER	W5
GENERAL	Remove existing glazing and timber window frame. Prepare to accommodate new window frame to same.
WINDOW FRAME	New circular timber window frame to accommodate new fixed powder perforated mild steel screen.
WINDOW FRAME FINISH	Prepare new timber window frame and apply one coat Plascon or similar approved timber pink wood primer with one coat Plascon or similar approved merit universal undercoat and two coats enamel paint Colour – to be confirmed by Architects.
FIXED PANEL	Install new lasercut circular mild steel panel with pattern. Pattern as per Architects detail. Fixed panel to timber window frame as per detail.
FIXED PANEL FINISH	Panel to be prepared and finished with factory applied powder coat finish. Colour – to be confirmed by Architects.

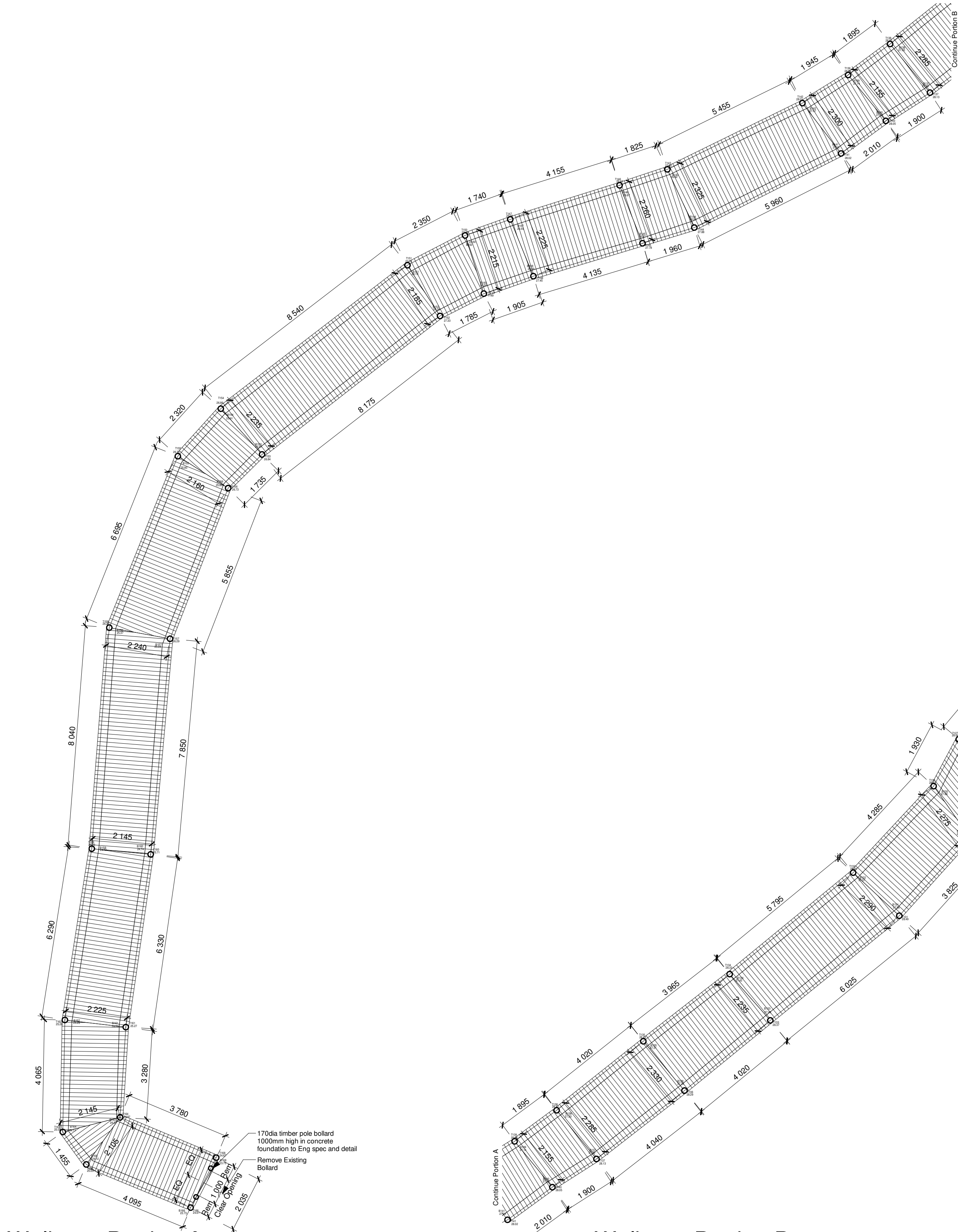
DOOR SCHEDULE			
			
DESCRIPTION	Existing door frame removed and replaced with new door frame with new door leaf.	Existing door frame with existing door leaf.	New door frame with new door leaf.
QUANTITY	4	1	2
DOOR NUMBER	D6	D8	D9
GENERAL	Remove existing mild steel cubicle door frames and door leads and install new mild steel door frames and door leaf's to same.	-	-
DOOR FRAME	Standard 1.2 mm thick mild steel double rebated single door frame. Door frame to be suitable for 110 mm wall with wall tiles on both sides. Door frame to be supplied complete with 1 pair hinges, lugs, strike plate recess, strike plate and rubber buffers as supplied complete by manufacturer. Door frame to be pre painted and delivered to site with a factory applied Red Oxide metal primer. Top door frame rail to be omitted-top of door frame to align with top of cubical walls.	Existing loose and flaking paint to be removed, sanded and treated with Plascon or similar approved Polycell end Rust application and cleaned as per manufactures specification. Strike plate recess to be painted.	Existing timber door frame to be carefully removed and opening prepared to install new rebated timber door frame to match existing.
DOOR FRAME FINISH	Apply Plascon or similar approved mild steel primer as required, one coat merit universal undercoat and finish with two coats gloss enamel paint. Colour – to be confirmed by Architects. Strike plate recess to be painted.	Apply Plascon or similar approved mild steel primer as required, one coat merit universal undercoat and finish with two coats gloss enamel paint. Colour – to be confirmed by Architects. Strike plate recess to be painted.	Prepare, sand and clean timber door frame and apply one coat Plascon or similar approved pink wood primer with one coat merit universal undercoat and finish with two coats gloss enamel paint. Colour – to be confirmed by Architects.
DOOR LEAF	TDM Doors or similar approved semi solid single door leaf with hardwood edges and Masonite finish suitable for painting to both sides. Door to be provided with a double bottom rail and undercut by 150 mm.	Existing	Remove existing timber door leaf and install new horizontally slatted Meranti external quality door leaf to same. Install new door leaf complete with hinges and fittings.
DOOR LEAF FINISH	Prepare and apply timber door leaf and apply one coat Plascon or similar approved wood primer – Pink UC 2, one coat merit universal undercoat – White UC 1 and two coats Plascon or similar approved gloss enamel paint. Paint to be roller applied. Colour – to Architects approval.	Prepare and apply timber door leaf and apply one coat Plascon or similar approved wood primer – Pink UC 2, one coat merit universal undercoat – White UC 1 and two coats Plascon or similar approved gloss enamel paint. Paint to be roller applied. Colour – to Architects approval.	Prepare, sand and clean timber door frame and apply one coat Plascon or similar approved pink wood primer with one coat merit universal undercoat and finish with two coats gloss enamel paint. Colour – to be confirmed by Architects.
HANDLE	Union/Assa Abloy or similar approved Sable straight pull handle fixed to inside face of door leaf only. Finish – Anodised Silver.	-	Union/Assa Abloy or similar approved Sable lever door handle on backplate. Code AL85A63 Lever Handle on 152 x 76 mm modular backplate to both sides suitable for Euro profile cylinder lock. Finish – Anodised Silver.
LOCK	Union/Assa Abloy or similar approved bathroom morticed bathroom W/C indicator bolt supplied complete. Code – AL8294AS Finish – Anodised Silver.	Union/Assa Abloy or similar approved euro profile mortice deadlock, 2109-76. Finish – Anodised Silver.	Union/Assa Abloy or similar approved Mortice Lock code 23315 Euro cylinder sash lock. SABS approved and to conforms to SABS ISO 9001:2000 norms.
CYLINDER	-	Union/Assa Abloy or similar approved 2 x 20 Euro profile single cylinder. Cylinder to be supplied complete with three keys.	Union/Assa Abloy or similar approved 2 x 18 Euro profile double cylinder. Cylinder to be supplied complete with three keys.
COAT HOOKS	Union/Assa Abloy or similar approved bathroom coat hook with rubber tip Code – AL8722AS Finish – Anodised Silver.	-	-
DOOR STOP	-	-	Union/Assa Abloy or similar approved AL8730AS floor mounted door stop to each door leaf. Position to be confirmed on site.
PICTOGRAM	-	-	Standard 150 mm x 150 mm x 3 mm thick aluminium backplate Male or Female Pictogram – (x1) fixed to outside face of ablution entrance door leaf and (x1) fixed to outside face of wall at ablution entrance. Positions to be indicated by Architects on site. Finish – natural anodized aluminium backplate with standard painted recessed pictogram.

CLIENT PLAN NUMBER		APPROVED BY COUNCIL / CLIENT		DATE	INITIAL	CODE	REVISION DESCRIPTION	CLIENT	PROJECT		APPROVED BY BVI					
DO NOT SCALE DRAWING IF IN DOUBT, REFER TO DRAWING OFFICE	REFERENCE DRAWINGS		CITY ENGINEER / CLIENT	REG. NO.	DATE	21-09-22	JLS	B	Issued for Tender	SANBI Biodiversity for Life  South African National Biodiversity Institute	 ENGINEERING PROCUREMENT MANAGEMENT BVI Consulting Engineers Gauteng PTY (Ltd) Registration no. 1986/00032207 Visit or contact us online at www.bvigroup.co.za PROVINCE: Gauteng OFFICE: Pretoria E-MAIL: pta@bvigp.co.za	 NATIONAL ZOOLOGICAL GARDENS OF South Africa GORILLAS ABLUTIONS - WINDOW AND DOOR SCHEDULE	ARCHITECT		REG. NO.	DATE
													SCALE	1 : 50	DRAWN	JLS
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												34398-03-609-03-01		B	2021-09-21 Desmond Brand	

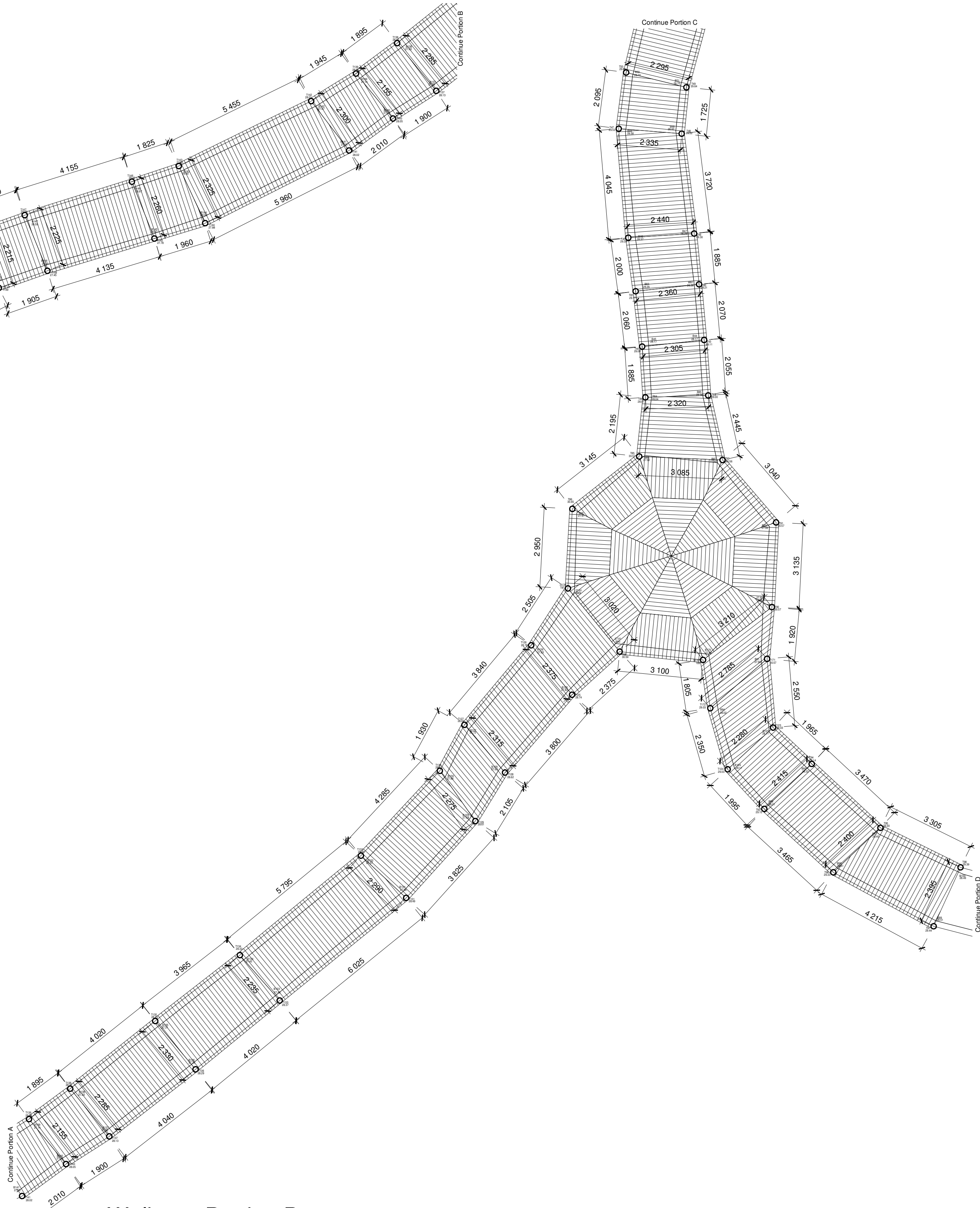
WINDOW SCHEDULE	
	
DESCRIPTION	Existing mild steel window.
QUANTITY	14
WINDOW NUMBER	W3
GENERAL	Remove existing glazing and putty from all areas. Prepare to accommodate new finishes.
WINDOW FRAME	Existing top hung mild steel window frames.
WINDOW FRAME FINISH	Existing mild steel window frames to be properly sanded, cleaned and treated with Plascon or similar approved Polycell end Rust application and cleaned as per manufactures specification. Prepare with one coat Plascon or similar approved mild steel primer, one coat merit universal undercoat prior to installing new window putty and glazing. Putty to dry and set prior to applying paint coats. Finish with one coat Plascon or similar approved merit universal undercoat and two coats enamel paint. Colour – to be confirmed by Architects.
GLASS	Install new 4 mm thick Pacific Obscure glass in window putty to existing mild steel window frames. Glass to be in accordance with SANS 10400.
WINDOW FURNITURE	Replace damaged window stays with new to match existing. New and existing window stays to be properly cleaned.

DOOR SCHEDULE			
			
DESCRIPTION	Existing door frame with new door leaf.	Existing door frame removed and replaced with new door frame with new door leaf.	Existing gate frame and gate
QUANTITY	4	8	4
DOOR NUMBER	D5	D6	G1
GENERAL	-	Remove existing mild steel cubicle door frames and door leads and install new mild steel door frames and door leaf's to same.	-
DOOR FRAME	Existing standard rebated mild steel door frame to be serviced. Existing loose and flaking paint to be removed, sanded and treated with Plascon or similar approved Polycell end Rust application and cleaned as per manufactures specification. Strike plate recess to be painted.	Standard 1.2 mm thick mild steel double rebated single door frame. Door frame to be suitable for 110 mm wall with wall tiles on both sides. Door frame to be supplied complete with 1 pair hinges, lugs, strike plate recess, strike plate and rubber buffers as supplied complete by manufacturer. Door frame to be pre painted and delivered to site with a factory applied Red Oxide metal primer. Top door frame rail to be omitted-top of door frame to align with top of cubical walls.	GATE FRAME: Existing mild steel gate frame be sanded, paint, cleaned and treated with Plascon or similar approved Polycell end Rust application as required and cleaning as per manufactures specification. Finish – apply one coat Plascon or similar approved mild steel primer, one coat merit universal undercoat and finished with two coats enamel paint. Colour to Architects approval.
DOOR FRAME FINISH	Apply Plascon or similar approved mild steel primer as required, one coat merit universal undercoat and finish with two coats gloss enamel paint. Colour – to be confirmed by Architects.	Apply Plascon or similar approved mild steel primer as required, one coat merit universal undercoat and finish with two coats gloss enamel paint. Colour – to be confirmed by Architects. Strike plate recess to be painted.	-
DOOR LEAF	Remove existing timber door leaf and install new TDM Doors or similar approved frame and ledge closed back meranti external quality door leaf to same. Install new door leaf complete to existing single mild steel door frame.	TDM Doors or similar approved semi solid single door leaf with hardwood edges and Masonite finish suitable for painting to both sides. Door to be provided with a double bottom rail and undercut by 150 mm.	GATE: Existing mild steel abluion entrance gate to be serviced. Existing mild steel gate to be sanded, paint, cleaned and treated with Plascon or similar approved Polycell end Rust application as required and cleaning as per manufactures specification. Finish – apply one coat Plascon or similar approved mild steel primer, one coat merit universal undercoat and finished with two coats enamel paint. Colour to Architects approval.
DOOR LEAF FINISH	Prepare and apply three coats Plascon or similar approved Woodcare wood preservative, product code FPR range or similar approved finish to all surfaces. Finish – clear suede finish.	Prepare and apply timber door leaf and apply one coat Plascon or similar approved wood primer – Pink UC 2, one coat merit universal undercoat - White UC 1 and two coats Plascon or similar approved gloss enamel paint. Paint to be roller applied. Colour – to Architects approval.	-
HANDLE	Union/Assa Abloy or similar approved Sable lever door handle on backplate. Code AL65A63 Lever Handle on 152 x 76 mm modular backplate to both sides suitable for Euro profile cylinder lock. Finish – Anodised Silver.	Union/Assa Abloy or similar approved Sable straight pull handle fixed to inside face of door leaf only. Finish – Anodised Silver.	-
LOCK	Union/Assa Abloy or similar approved Mortice Lock code 23315 Euro cylinder sash lock. SABS approved and to conforms to SABS ISO 9001:2000 norms.	Union/Assa Abloy or similar approved bathroom morticed bathroom W/C Indicator bolt supplied complete. Code – AL8294AS. Finish – Anodised Silver.	Union/Assa Abloy or similar approved UN 3378 – 78 mm armoured brass padlock supplied with three keys. Standard – SABS 1533:1991.
CYLINDER	Union/Assa Abloy or similar approved 2 x 18 Euro profile double cylinder. Cylinder to be supplied complete with three keys.	-	-
CABIN HOOK	Standard 100 mm Cabin hook and holding eye fixed to wall. Finish – chrome plated.	-	-
COAT HOOKS	-	Union/Assa Abloy or similar approved bathroom coat hook with rubber tip. Code – AL8722AS. Finish – Anodised Silver.	-
DOOR STOP	Union/Assa Abloy or similar approved AL8730AS floor mounted door stop to each door leaf. Position to be confirmed on site.	-	-
PICTOGRAM	Standard 150 mm x 150 mm x 3 mm thick aluminium backplate Male or Female Pictogram –(x1) fixed to outside face of abluion entrance door leaf and (x1) fixed to outside face of wall at abluion entrance. Positions to be indicated by Architects on site. Finish – natural anodized aluminium backplate with standard painted recessed pictogram.	-	-

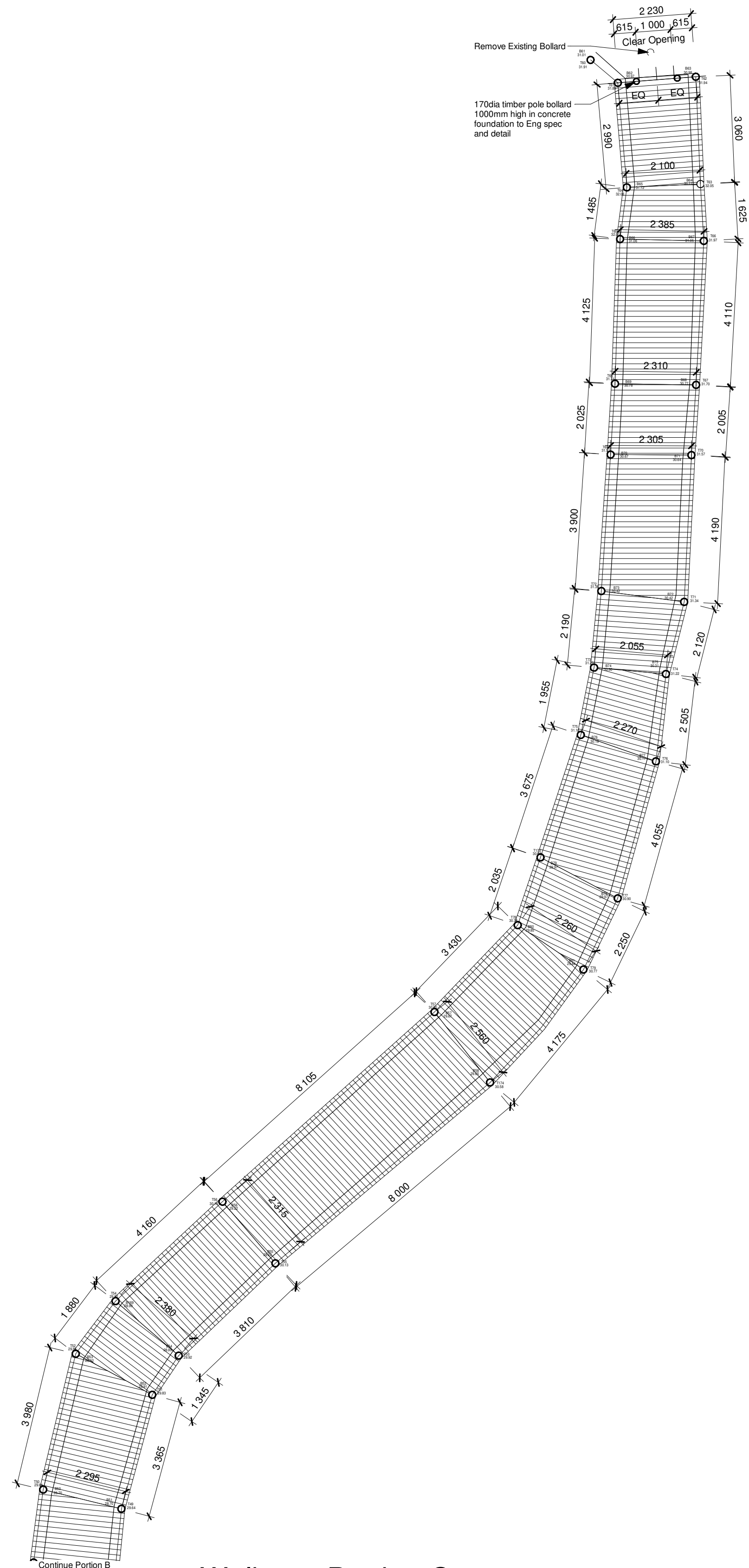
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DO NOT SCALE DRAWING IF IN DOUBT, REFER TO DRAWING OFFICE		REFERENCE DRAWINGS		CITY ENGINEER / CLIENT	REG. NO.	DATE	21-09-22	JLS	B	Issued for Tender	 South African National Biodiversity Institute	 bvi ENGINEERING PROCUREMENT MANAGEMENT BVi Consulting Engineers Gauteng PTY (Ltd) Registration no. 1986/00032207 Visit or contact us online at www.bvigroup.co.za PROVINCE: Gauteng OFFICE: Pretoria ☎ +27 12 940 1111 ✉ pta@bvigp.co.za	National Zoological Gardens of South Africa ZOO LOOP ABLUTIONS - WINDOW AND DOOR SCHEDULE	ARCHITECT		REG. NO.		DATE	
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							PLAN NUMBER		REV. NO.	DATE SAVED									
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Walkway Portion A
1 : 100



Walkway Portion B
1 : 100



Walkway Portion C
1 : 100

CLIENT PLAN NUMBER		APPROVED BY COUNCIL / CLIENT		DATE	INITIAL	CODE	REVISION DESCRIPTION	CLIENT	
DO NOT SCALE DRAWING IF IN DOUBT, REFER TO DRAWING OFFICE				21-08-17	JLS	A	Issued for Review		
				21-09-22	JLS	B	Issued for Tender		
								SANBI Biodiversity for Life South African National Biodiversity Institute 	
REFERENCE DRAWINGS		CITY ENGINEER / CLIENT		REG. NO.	DATE				
NUMBER	DRAWING DESCRIPTION								
		AMENDMENTS CODE							
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		00-99 : : CONSTRUCTION		B : BY ARCHITECT					
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				E : BY OTHER ()					

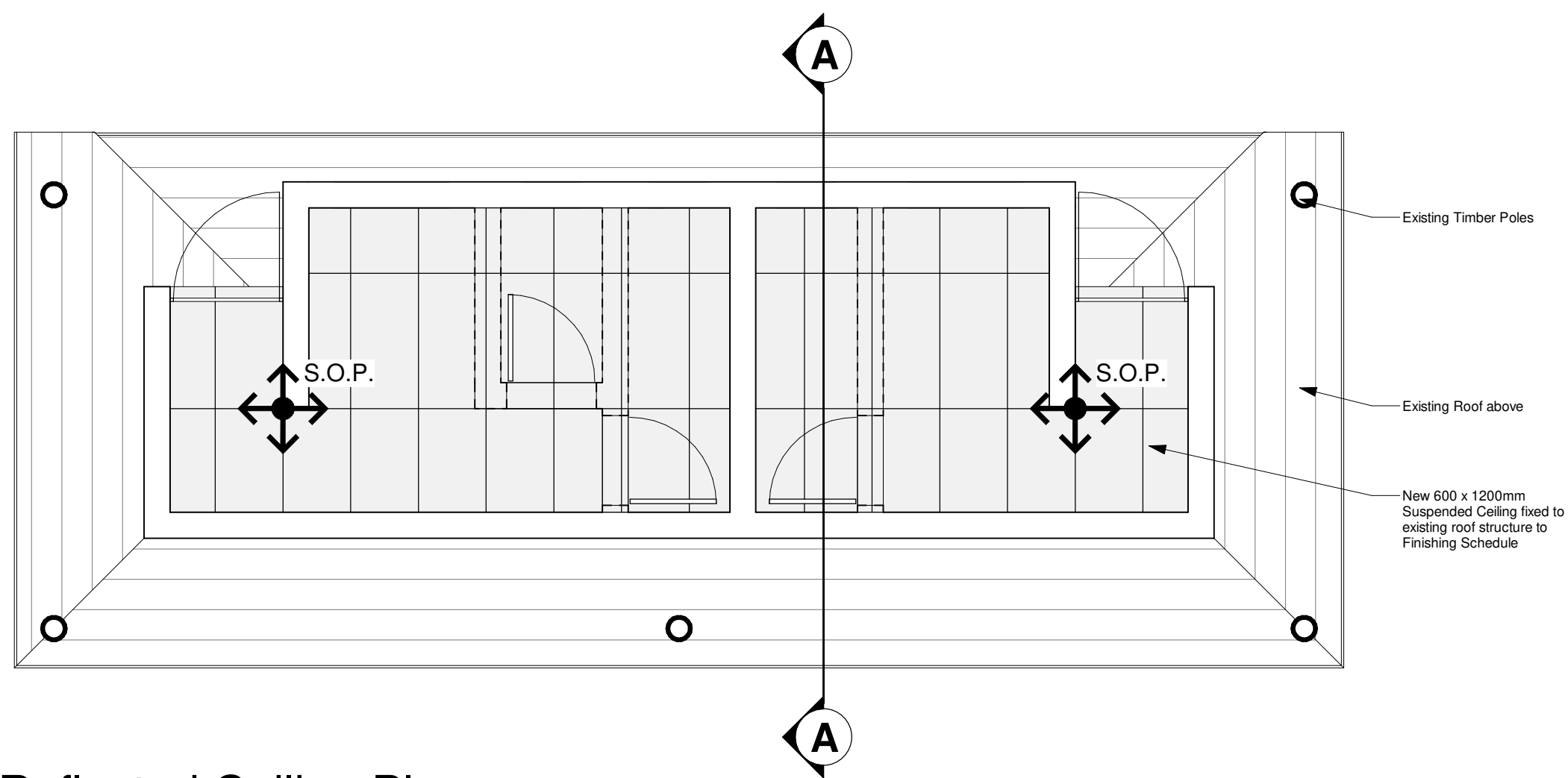
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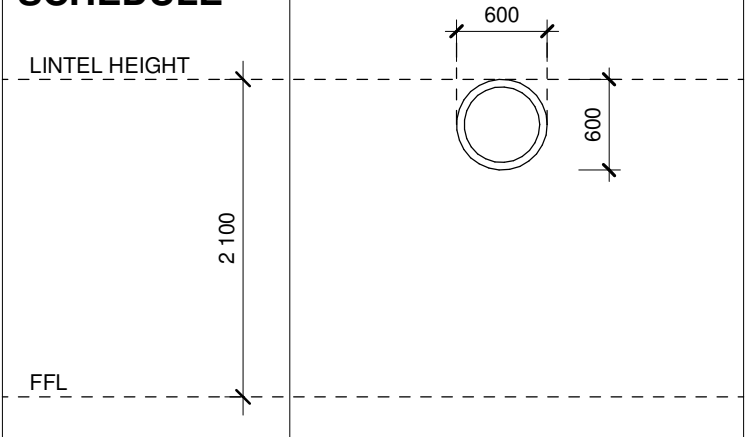


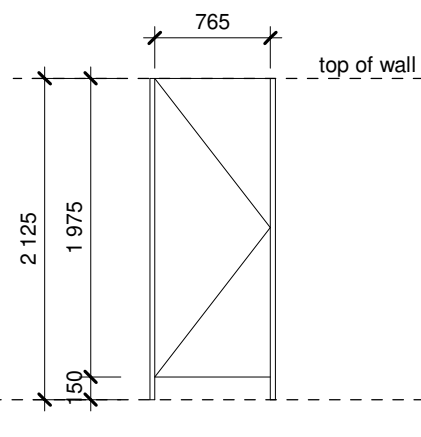
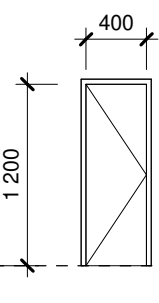
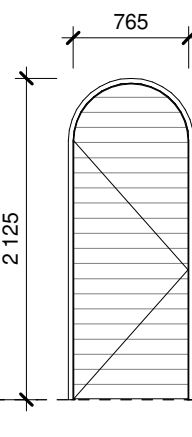
Reflected Ceiling Plan
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WINDOW SCHEDULE		
LINTEL HEIGHT		
F.F.L.		
2 100		
DESCRIPTION	Existing mild steel window	Existing mild steel window
QUANTITY	2	3
WINDOW NUMBER	W4	W5
GENERAL	Remove existing glazing and putty from all areas. Prepare to accommodate new finishes.	Remove existing glazing and putty from all areas. Prepare to accommodate new finishes.
WINDOW FRAME	Existing top hung mild steel window frames.	Existing top hung mild steel window frames.
WINDOW FRAME FINISH	Existing mild steel window frames to be properly sanded, cleaned and treated with Plascon or similar approved Polycell end Rust application and cleaned as per manufactures specification. Prepare with one coat Plascon or similar approved mild steel primer, one coat merit universal undercoat prior to installing new window putty and glazing. Putty to dry and set prior to applying paint coats. Finish with one coat Plascon or similar approved merit universal undercoat and two coats enamel paint Colour – to be confirmed by Architects.	Existing mild steel window frames to be properly sanded, cleaned and treated with Plascon or similar approved Polycell end Rust application and cleaned as per manufactures specification. Prepare with one coat Plascon or similar approved mild steel primer, one coat merit universal undercoat prior to installing new window putty and glazing. Putty to dry and set prior to applying paint coats. Finish with one coat Plascon or similar approved merit universal undercoat and two coats enamel paint Colour –to be confirmed by Architects.
GLASS	Install new 4 mm thick Pacific Obscure glass in window putty to existing mild steel window frames. Glass to be in accordance with SANS 10400.	Install new 4 mm thick Pacific Obscure glass in window putty to existing mild steel window frames. Glass to be in accordance with SANS 10400.
WINDOW FURNITURE	Replace damaged window stays with new to match existing. New and existing window stays to be properly cleaned.	Replace damaged window stays with new to match existing. New and existing window stays to be properly cleaned.

DOOR SCHEDULE		
F.F.L.		
top of wall		
DESCRIPTION	Existing door frame with new door leaf.	Existing gate frame and gate
QUANTITY	3	2
DOOR NUMBER	D7	G1
DOOR FRAME	Existing standard rebated mild steel door frame to be serviced. Existing loose and flaking paint to be removed, sanded and treated with Plascon or similar approved Polycell end Rust application and cleaned as per manufactures specification. Strike plate recess to be painted.	GATE FRAME: Existing mild steel gate frame be sanded, paint, cleaned and treated with Plascon or similar approved Polycell end Rust application as required and cleaning as per manufactures specification. Finish – apply one coat Plascon or similar approved mild steel primer, one coat merit universal undercoat and finished with two coats enamel paint. Colour to Architects approval.
DOOR FRAME FINISH	Apply Plascon or similar approved mild steel primer as required, one coat merit universal undercoat and finish with two coats gloss enamel paint. Colour – to be confirmed by Architects. Strike plate recess to be painted.	GATE: Existing mild steel abluton entrance gate to be serviced. Existing mild steel gate to be sanded, paint, cleaned and treated with Plascon or similar approved Polycell end Rust application as required and cleaning as per manufactures specification. Finish – apply one coat Plascon or similar approved mild steel primer, one coat merit universal undercoat and finished with two coats enamel paint. Colour to Architects approval.
DOOR LEAF	TDM Doors or similar approved semi solid single door leaf with hardwood edges and Masonite finish suitable for painting to both sides. Door to be provided with a double bottom rail and undercut by 150 mm.	-
DOOR LEAF FINISH	Prepare and apply timber door leaf and apply one coat Plascon or similar approved wood primer – Pink UC 2, one coat merit universal undercoat - White UC 1 and two coats Plascon or similar approved gloss enamel paint. Paint to be roller applied. Colour – to Architects approval.	-
HANDLE	Union/Assa Abloy or similar approved Sable straight pull handle fixed to inside face of door leaf only. Finish – Anodised Silver.	-
LOCK	Union/Assa Abloy or similar approved bathroom morticed bathroom W/C indicator bolt supplied complete. Code – AL8294AS. Finish – Anodised Silver.	Union/Assa Abloy or similar approved UN 3378 – 78 mm armoured brass padlock supplied with three keys. Standard – SABS 1533:1991.
COAT HOOKS	Union/Assa Abloy or similar approved bathroom coat hook with rubber tip. Code – AL8722AS. Finish –Anodised Silver.	-

CLIENT PLAN NUMBER		APPROVED BY COUNCIL / CLIENT			DATE	INITIAL	CODE	REVISION DESCRIPTION	CLIENT	PROJECT		APPROVED BY BVI					
DO NOT SCALE DRAWING IF IN DOUBT, REFER TO DRAWING OFFICE					21-09-22	JLS	B	Issued for Tender	SANBI Biodiversity for Life South African National Biodiversity Institute 	 GREEN BUILDING COUNCIL NATIONAL ORGANISATION - 2002  ENGINEERING PROCUREMENT MANAGEMENT BVi Consulting Engineers Gauteng PTY (Ltd) Registration no. 1998/05032027 Visit or contact us online at www.bvigroup.co.za PROVINCE Gauteng OFFICE Pretoria E-MAIL pta@bvigp.co.za +27 12 940 1111		National Zoological Gardens of South Africa					
										DRAWING TITLE							
												ARCHITECT	REG. NO.	DATE			
												SCALE	1 : 50	DRAWN	JLS		
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												PLAN NUMBER		REV. NO.	DATE SAVED		
												34398-03-605-04-01		B	2021-09-22 Desmond Brand		

WINDOW SCHEDULE	
	
DESCRIPTION	New timber window frame and fixed panel to same.
QUANTITY	6
WINDOW NUMBER	W5
GENERAL	Remove existing glazing and timber window frame. Prepare to accommodate new window frame to same.
WINDOW FRAME	New circular timber window frame to accommodate new fixed powder perforated mild steel screen.
WINDOW FRAME FINISH	Prepare new timber window frame and apply one coat Plascon or similar approved timber pink wood primer with one coat Plascon or similar approved merit universal undercoat and two coats enamel paint Colour – to be confirmed by Architects.
FIXED PANEL	Install new lasercut circular mild steel panel with pattern. Pattern as per Architects detail. Fixed panel to timber window frame as per detail.
FIXED PANEL FINISH	Panel to be prepared and finished with factory applied powder coat finish. Colour – to be confirmed by Architects.

DOOR SCHEDULE			
			
DESCRIPTION	Existing door frame removed and replaced with new door frame with new door leaf.	Existing door frame with existing door leaf.	New door frame with new door leaf.
QUANTITY	4	1	2
DOOR NUMBER	D6	D8	D9
GENERAL	Remove existing mild steel cubicle door frames and door leads and install new mild steel door frames and door leaf's to same.	-	-
DOOR FRAME	Standard 1.2 mm thick mild steel double rebated single door frame. Door frame to be suitable for 110 mm wall with wall tiles on both sides. Door frame to be supplied complete with 1 pair hinges, lugs, strike plate recess, strike plate and rubber buffers as supplied complete by manufacturer. Door frame to be pre painted and delivered to site with a factory applied Red Oxide metal primer. Top door frame rail to be omitted-top of door frame to align with top of cubical walls.	Existing loose and flaking paint to be removed, sanded and treated with Plascon or similar approved Polycell end Rust application and cleaned as per manufactures specification. Strike plate recess to be painted.	Existing timber door frame to be carefully removed and opening prepared to install new rebated timber door frame to match existing.
DOOR FRAME FINISH	Apply Plascon or similar approved mild steel primer as required, one coat merit universal undercoat and finish with two coats gloss enamel paint. Colour – to be confirmed by Architects. Strike plate recess to be painted.	Apply Plascon or similar approved mild steel primer as required, one coat merit universal undercoat and finish with two coats gloss enamel paint. Colour – to be confirmed by Architects. Strike plate recess to be painted.	Prepare, sand and clean timber door frame and apply one coat Plascon or similar approved pink wood primer with one coat merit universal undercoat and finish with two coats gloss enamel paint. Colour – to be confirmed by Architects.
DOOR LEAF	TDM Doors or similar approved semi solid single door leaf with hardwood edges and Masonite finish suitable for painting to both sides. Door to be provided with a double bottom rail and undercut by 150 mm.	Existing	Remove existing timber door leaf and install new horizontally slatted Meranti external quality door leaf to same. Install new door leaf complete with hinges and fittings.
DOOR LEAF FINISH	Prepare and apply timber door leaf and apply one coat Plascon or similar approved wood primer – Pink UC 2, one coat merit universal undercoat – White UC 1 and two coats Plascon or similar approved gloss enamel paint. Paint to be roller applied. Colour – to Architects approval.	Prepare and apply timber door leaf and apply one coat Plascon or similar approved wood primer – Pink UC 2, one coat merit universal undercoat – White UC 1 and two coats Plascon or similar approved gloss enamel paint. Paint to be roller applied. Colour – to Architects approval.	Prepare, sand and clean timber door frame and apply one coat Plascon or similar approved pink wood primer with one coat merit universal undercoat and finish with two coats gloss enamel paint. Colour – to be confirmed by Architects.
HANDLE	Union/Assa Abloy or similar approved Sable straight pull handle fixed to inside face of door leaf only. Finish – Anodised Silver.	-	Union/Assa Abloy or similar approved Sable lever door handle on backplate. Code AL85A63 Lever Handle on 152 x 76 mm modular backplate to both sides suitable for Euro profile cylinder lock. Finish – Anodised Silver.
LOCK	Union/Assa Abloy or similar approved bathroom morticed bathroom W/C indicator bolt supplied complete. Code – AL8294AS Finish – Anodised Silver.	Union/Assa Abloy or similar approved euro profile mortice deadlock, 2109-76. Finish – Anodised Silver.	Union/Assa Abloy or similar approved Mortice Lock code 23315 Euro cylinder sash lock. SABS approved and to conforms to SABS ISO 9001:2000 norms.
CYLINDER	-	Union/Assa Abloy or similar approved 2 x 20 Euro profile single cylinder. Cylinder to be supplied complete with three keys.	Union/Assa Abloy or similar approved 2 x 18 Euro profile double cylinder. Cylinder to be supplied complete with three keys.
COAT HOOKS	Union/Assa Abloy or similar approved bathroom coat hook with rubber tip Code – AL8722AS Finish – Anodised Silver.	-	-
DOOR STOP	-	-	Union/Assa Abloy or similar approved AL8730AS floor mounted door stop to each door leaf. Position to be confirmed on site.
PICTOGRAM	-	-	Standard 150 mm x 150 mm x 3 mm thick aluminium backplate Male or Female Pictogram – (x1) fixed to outside face of ablution entrance door leaf and (x1) fixed to outside face of wall at ablution entrance. Positions to be indicated by Architects on site. Finish – natural anodized aluminium backplate with standard painted recessed pictogram.

CLIENT PLAN NUMBER		APPROVED BY COUNCIL / CLIENT		DATE	INITIAL	CODE	REVISION DESCRIPTION	CLIENT		PROJECT		APPROVED BY BVI		
DO NOT SCALE DRAWING IF IN DOUBT, REFER TO DRAWING OFFICE		REFERENCE DRAWINGS		CITY ENGINEER / CLIENT		REG. NO.		DATE		National Zoological Gardens of South Africa		ARCHITECT		
		DRAWING DESCRIPTION		AMENDMENTS CODE						GORILLAS ABLUTIONS - WINDOW AND DOOR SCHEDULE		SCALE		
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