

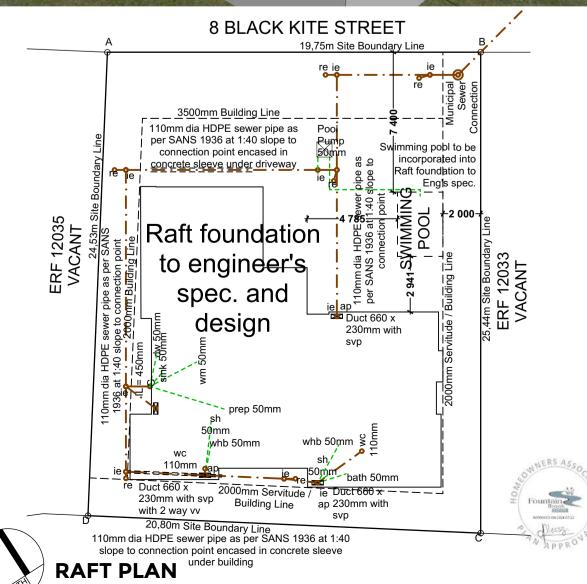
**SITE PLAN** 

**SCALE 1:100** 









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Never scale from this drawing.

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 Do not scale refer only to figure dimensions

3. Any discrepancies to be reported to the architect immediately
4. All dimensions and levels must be checked on site prior to setting

5. All work to be carried out strictly in accordance with Municipal Bylaws, SABS 0400 & SANS 10400
6. All levels are to be confirmed on site prior to construction

AREA AND ZONING SCHEDULE							
GROUND FLOOR							
WELLING (excl. Double Volume)	139,47 m²						
OVERED ENTRANCE	2,87 m²						
OVERED PATIO	0 m²						
ARAGE	44,96 m²						
OTAL GROUND FLOOR	187,3 m²						
FIRST FLOOR							
WELLING	85,54 m²						
OTAL FIRST FLOOR	85,54 m²						
OTAL (excl. Double Volume)	272,84 m <sup>2</sup>						

8.64 m<sup>2</sup>

506 m<sup>2</sup>

281,48 m<sup>2</sup>

MAX ALLOWED COVERAGE	60 %						
COVERAGE AREA	187,3 m <sup>2</sup>						
COVERAGE PERCENTAGE	37,02 %						
FF / GF RATIO (incl. Double Volume)	50,28 %						
PERMISSIBLE HEIGHT	8,5 m						
UNCOVERED AREAS / EXTRA'S							
POOL	6 m <sup>2</sup>						
PAVING	171,36 m <sup>2</sup>						

 BOMA
 10,2 m²

 YARD
 27,35 m²

## CLIENT APPROVAL:

DOUBLE VOLUMES

SITE AREA

TOTAL (incl. Double Volume)

I ROSE SQUARE PROPERTIES (PTY) LTD (Name in Print) confirm I have familiarised myself with the specifications, measurements, orientation and layouts as shown on this document and I confirm that the designs, as drawn, are in accordance with my

instructions. I hereby approve the designs set out in this document

and accept that the construction thereof is subject to a building

contract with its own respective terms and conditions

client's signature

architect's signature

PrArch 22107

architect's no.

 revision
 date
 description

 REVISION A
 20240315
 CONCEPT

 REVISION B
 20250327
 HOA 1

 REVISION C
 20250408
 HOA 2/ COUNCIL

 REVISION D
 20250603
 HOA 2/ COUNCIL

concept information drawing

municipal construction as built drawing drawing drawing

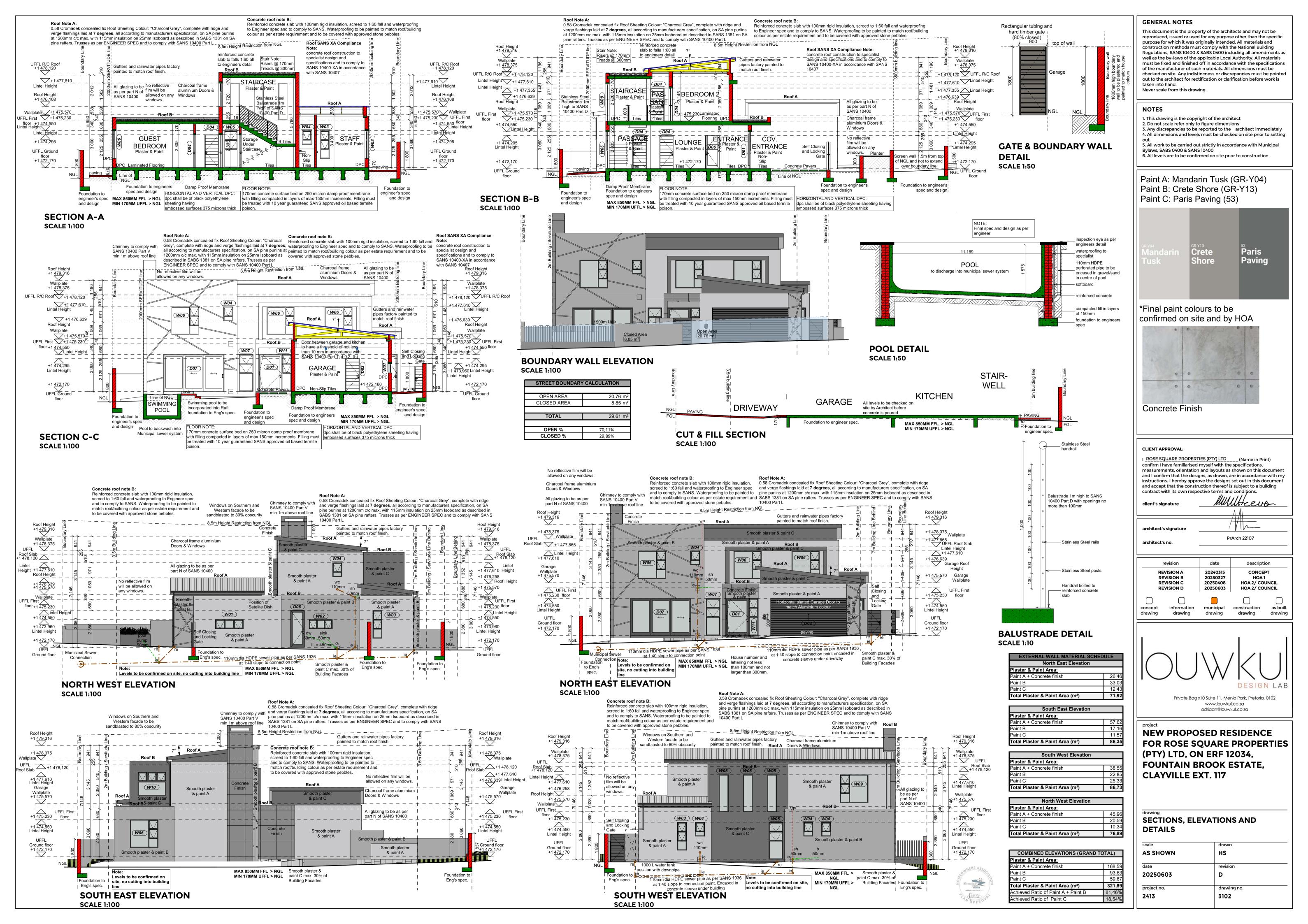


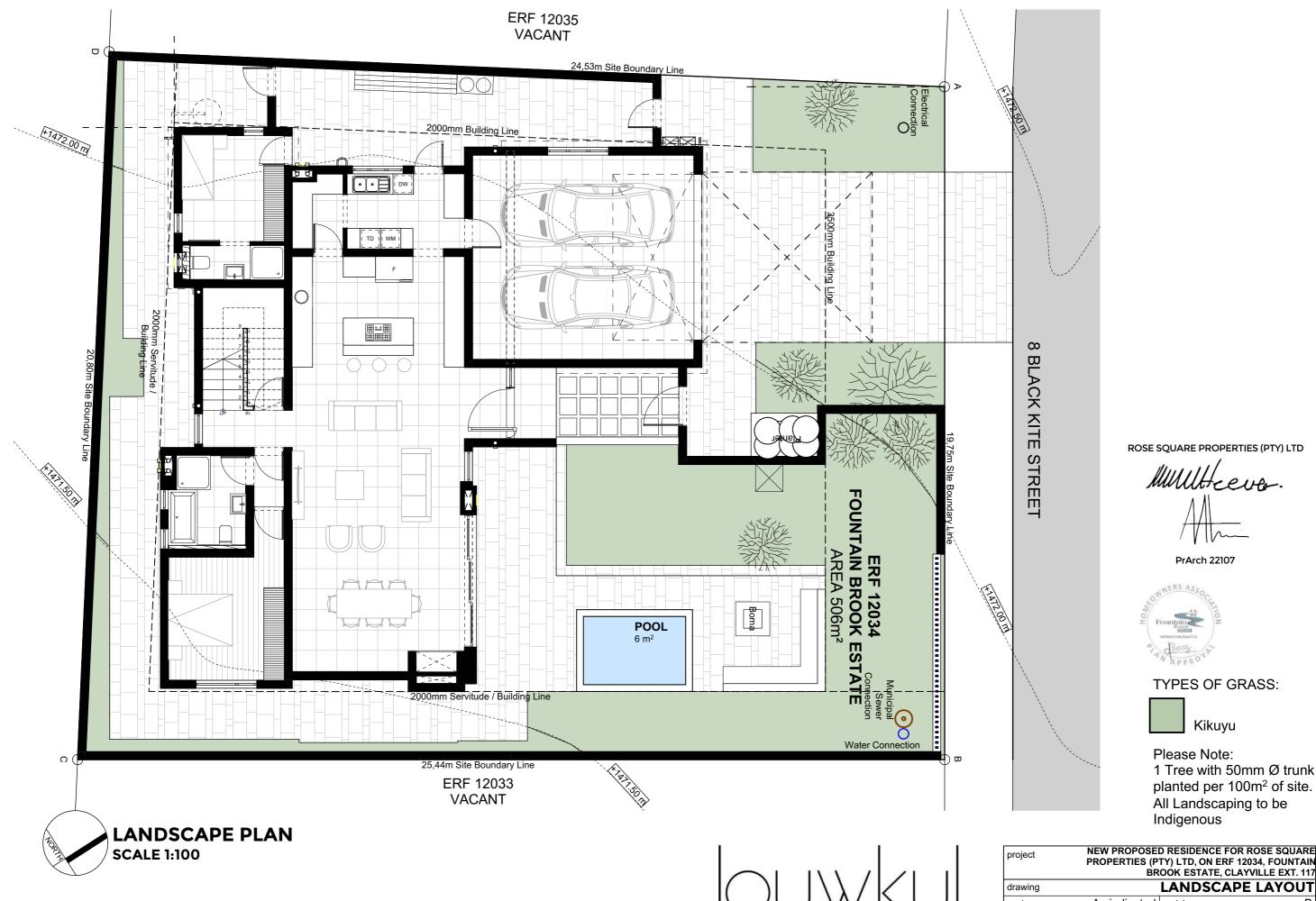
Private Bag x10 Suite 11, Menlo Park, Pretoria, 0102 www.louwkul.co.za adriaan@louwkul.co.za

NEW PROPOSED RESIDENCE FOR ROSE SQUARE PROPERTIES (PTY) LTD, ON ERF 12034, FOUNTAIN BROOK ESTATE, CLAYVILLE EXT. 117

# GROUND FLOOR, FIRST FLOOR, SITE PLAN, ROOF PLAN, RAFT PLAN & DEDSDECTIVES

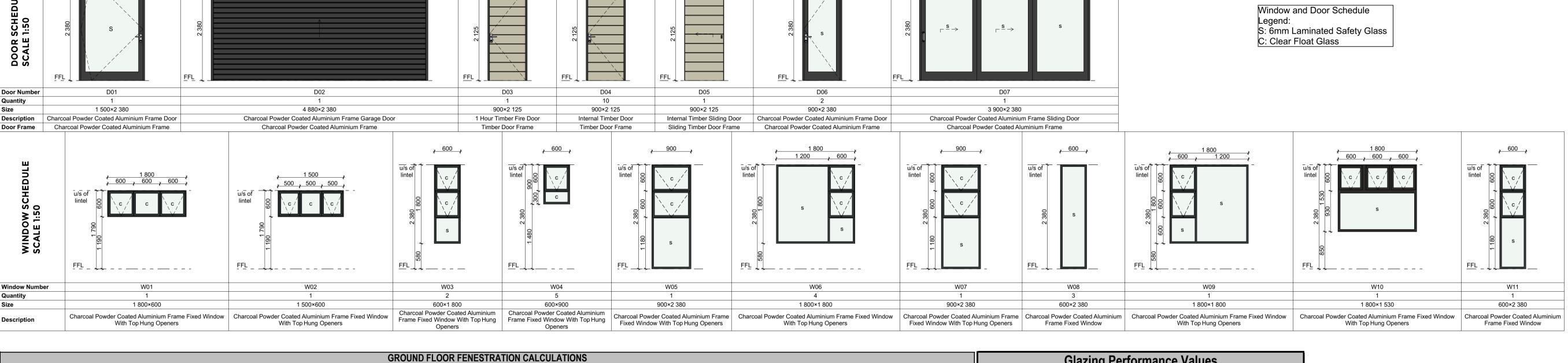
PERSPECTIVES	
scale	drawn
AS SHOWN	HS
date	revision
20250603	D
project no.	drawing no.
2413	3101





NEW PROPOSED RESIDENCE FOR ROSE SQUARE PROPERTIES (PTY) LTD, ON ERF 12034, FOUNTAIN BROOK ESTATE, CLAYVILLE EXT. 117 LANDSCAPE LAYOUT As indicated revision scale 2413 drawing no. 3105 project no.

Kikuyu



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										JND FLOOR									
ity:		PRI	ETORIA			Latitude:		25.744	Net Internal Flo	oor Area (Inclu	ding Ope	n Ceiling Volun	nes with Glazing):						156,57 m²
5.1 ORIENTATION FENESTRATION AREAS SHADING - Clause 5.2		U & shgc V	ALUES - CLAUSE 5.3	}	AVERAGING			COMPLIANCE											
Ref No:	Orientation Sector	Width (mm)	Height (mm)	Quantity	Area (m²)	Shading Height (mm)	Multiplier (Table 3)		Design Shading Projection (mm)	Compliant Yes = 1 No = 0	U-Value	Compliant shgc (T.4, C.3)	Non-compliant shgc (T.4 C.4)	Required shgc-Value	Area x Required shgc	Design SHGC Specified	Area x Design shgc	Glass Description	U-Val
W01	W,NW,N,NE,E	1800	600	1	1,08	600	0,4	240	85	0	5,20	0,66	0,49	0,49	0,53	0,41	0,44	SolarVue XHL Grey Low E	3,65
W02	W,NW,N,NE,E	1500	600	1	0,90	600	0,40	240	85	0	5,20	0,66	0,49	0,49	0,44	0,41	0,37	SolarVue XHL Grey Low E	3,65
W03	W,NW,N,NE,E	600	1800	1	1,08	1800	0,40	720	85	0	5,20	0,66	0,49	0,49	0,53	0,41	0,44	SolarVue XHL Grey Low E	3,65
W07	W,NW,N,NE,E	900	2380	1	2,14	2380	0,40	952	85	0	5,20	0,66	0,49	0,49	1,05	0,41	0,88	SolarVue XHL Grey Low E	3,65
W11	W,NW,N,NE,E	600	2380	1	1,43	2805	0,40	1122	1250	1	5,20	0,66	0,49	0,66	0,94	0,41	0,59	SolarVue XHL Grey Low E	3,65
D01	W,NW,N,NE,E	1500	2380	1	3,57	2805	0,40	1122	1250	1	5,20	0,66	0,49	0,66	2,36	0,41	1,46	SolarVue XHL Grey Low E	3,65
D06	W,NW,N,NE,E	900	2380	2	4,28	2380	0,40	952	85	0	5,20	0,66	0,49	0,49	2,10	0,41	1,76	SolarVue XHL Grey Low E	3,65
D07	W,NW,N,NE,E	3900	2380	1	9,28	2380	0,40	952	85	0	5,20	0,66	0,49	0,49	4,55	0,41	3,81	SolarVue XHL Grey Low E	3,65
Total W	NW,N,NE,E Orienta	ated Fenes	stration Are	ea (m²):	23,77				Solar Heat Gain Limit ∑shgc:						12,50	Design ∑ shg:	9,74		
W03	SW,S,SE	600	1800	1	1,08														
W04	SW,S,SE	600	900	3	1,62														
W05	SW,S,SE	900	2380	1	2,14														
W06	SW,S,SE	1800	1800	1	3,24														
Total	SW,S,SE Orientate	d Fenestra	ation Area	(m²)·	8,08			•		•	-	•							

Storey Total Fenestration Area (m²)	31,85	Total W,NW,N,NE,E Orientated Fenestration Area (m²):	23,77			Design Average shgc Value falls below the	
Storey Net Internal Floor Area (m²)	156,57	Total W, N. W., N. L., E. Olientated Tellestration Area (III ).		20,11		Limiting shgc Value	
Fenestration %: IF >20%	20,34%	Limiting Averaged by Area shgc:	0,53	Design Average shgc	0,41	COMPLIES	

## FIRST FLOOR FENESTRATION CALCULATIONS

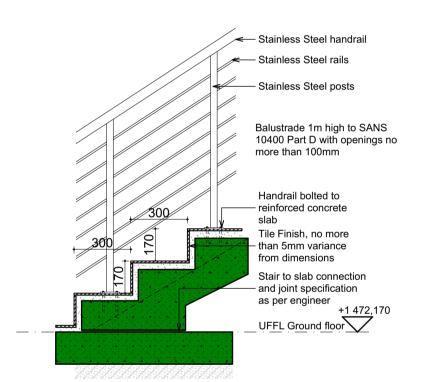
5.1 OF	RIENTATION	F	ENESTRA	TION ARE	AS			SHADING - Clau	se 5.2			U & shgc V	ALUES - CLAUSE 5.3		AVERAGING			COMPLIANCE	
Ref No:	Orientation Sector	Width (mm)	Height (mm)	Quantity	Area (m²)	Shading Height (mm)	Multiplier (Table 3)	Required Shading Projection (mm)	Design Shading Projection (mm)	Compliant Yes = 1 No = 0	U-Value	Compliant shgc (T.4, C.3)	Non-compliant shgc (T.4 C.4)	Required shgc-Value	Area x Required shgc	Design SHGC Specified	Area x Design shgc	Glass Description	U-Valu
W04	W,NW,N,NE,E	600	900	2	1,08	900	0,40	360	85	0	5,20	0,66	0,49	0,49	0,53	0,41	0,44	SolarVue XHL Grey Low E	3,65
W06	W,NW,N,NE,E	1800	1800	3	9,72	1800	0,40	720	230	0	5,20	0,66	0,49	0,49	4,76	0,41	3,99	SolarVue XHL Grey Low E	3,65
Total W	NW,N,NE,E Orienta	ated Fenes	stration Are	ea (m²):	10,80							Solar	Heat Gain Limit ∑shgc	;:	5,29	Design ∑ shg:	4,43		
W08	SW,S,SE	600	2380	3	4,28														
W09	SW,S,SE	1800	1800	1	3,24														
W10	SW,S,SE	1800	1530	1	2,75														

Storey Total Fenestration Area (m²)	21,08	Total W,NW,N,NE,E Orientated Fenestration Area		10,80		Design Average shgc Value falls below the
Storey Net Internal Floor Area (m²)	105,39	(m²):		10,00		Limiting shgc Value
Fenestration %: IF >20%	20,00%	Limiting Averaged by Area shgc:	0,49	Design Average shgc	0,41	COMPLIES

|--|

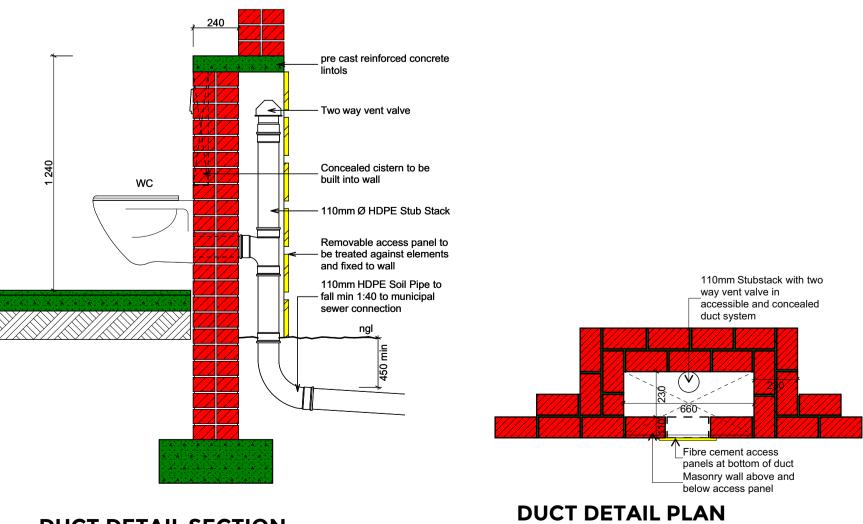
		SANS 10400-XA (2	,	1						
		Copy of Table 3 (	Reference table C.1)	Modified Copy of Table 4						
		Shading	g multiplier	- Majabtad b		dimension who lo for a stration of		the evicentated for cotration		
Latitude	South	Multiplier	NOTE	vveignted-by	/-area average max	dimum whole lenestration e	element performance values: nort	n orientated tenestration.		
Equal to or less than	22	0,33								
Equal to or less than	24	0,36		Fenestration to Floo	or Area Ratio	U-Value	shgc (shading compliant)	shgc (shading non-compliant)		
Equal to or less than	26	0,40	No shading dimensions or shgc values are prescribed for SW, S, or	Equal to or less than	20%	any	any	any		
Equal to or less than	28	0,42	SE orientated fenestration.	Equal to or less than	25%	5,20	0,66	0,49		
Equal to or less than	30	0,46	7	Equal to or less than	30%	4,40	0,53	0,44		
Equal to or less than	32	0,50	7	Equal to or less than	35%	3,80	0,49	0,40		
Greater than	32	0,54	-	Equal to or less than	40%	3,30	0,44	0,35		
Sicator triair	0Z	0,04		Equal to or less than	45%	3,00	0,40	0,33		
				Equal to or less than	50%	2,60	0,35	0,30		
				Equal to or less than	55%	2,40	0,33	0,28		
				Equal to or less than	60%	2,20	0,30	0,25		
				Greater than	60%	2,00	0,28	0,22		

	Glazing Performance Values											
1	Aluminium Frame											
	Glass Description	Make-Up	<b>U-Value</b>	SHGC								
	SolarVue HL Grey Low E	Single	3,65	0,37								
	SolarVue XHL Grey Low E	Single	3,65	0,41								
-	6.38mm S/V Neu HL Low E - 12mm - 6.38mm PVB Clr	Double	1,89	0,35								
	6.38mm S/V Neut HL - 6.5 - 4mm TSG Low E	Double	2,44	0,4								



**STAIR DETAIL SCALE 1:20** 

3 900 1 313 , 1 273 , 1 313 ,



**SCALE 1:20** 

**DUCT DETAIL SECTION SCALE 1:20** 



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client's signature

architect's no.

architect's signature PrArch 22107

Multicever.

as built

drawing

revision date description 20240315 CONCEPT **REVISION A REVISION B REVISION C** 20250408 **HOA 2/ COUNCIL** HOA 2/ COUNCIL **REVISION D** 20250603

information concept drawing drawing

municipal construction drawing drawing



**NEW PROPOSED RESIDENCE** FOR ROSE SQUARE PROPERTIES (PTY) LTD, ON ERF 12034, FOUNTAIN BROOK ESTATE, **CLAYVILLE EXT. 117** 

## DOOR & WINDOW SCHEDULES, **CALCULATIONS, DETAILS**

scale	drawn
AS SHOWN	HS
date	revision
20250603	D
project no.	drawing no.
2413	3104

