

FIRST STOREY FENESTRATION NET FLOOR AREA=243SM FENESTRATION AREA=52.98 %=21.8SM																				
ID	SD1	SD2	SD3	ST/D 1	WF01	WF02	WF03	WF04	WF05	WF06	WF07	WF07	WF08	WF09	WF10	WF11	WF12	WF14	WF15	
HEIGHT	2 100	2 100	2 100	2 100	1 200	600	600	1 200	1 200	600	600	2 100	1 200	1 200	2 100	2 100	2 100	1 200	1 200	
WIDTH	2 000	2 700	3 700	3 000	1 200	1 000	600	1 200	1 800	1 000	1 000	2 087	1 800	1 200	1 400	2 087	1 400	1 200	1 800	
AREA	4,20	5,67	7,77	6,30	1,44	0,60	0,36	1,44	2,16	0,60	0,60	4,38	2,16	1,44	2,94	4,38	2,94	1,44	2,16	52,98 m <sup>2</sup>
ORIENTATION	NW	SE	SE	SE	NE	NE	NE	NE	NE	SW	SW	NW	NW	NW	SW	NW	NE	NW	SW	
MATERIAL	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	
MICRON	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	4,00
SIDES	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
GLASS THICKNESS	5,00	5,00	5,00	5,00	4,00	4,00	4,00	4,00	4,00	4,00	4,00	6,00	4,00	4,00	4,00	6,00	6,00	6,00	4,00	25,00
MAX PROJECTION	0,97	0,97	0,97	0,97	1160,00	1160,00	1160,00	1160,00	1160,00	1160,00	1160,00	1160,00	1160,00	1160,00	1160,00	1160,00	1160,00	1160,00	1160,00	1160,00
SHADING PROVIDED	OVERHANG 1160	OVERHANG 1160	OVERHANG 1160	OVERHANG 1160	ROOF OVERHANG	ROOF OVERHANG	ROOF OVERHANG	ROOF OVERHANG	ROOF OVERHANG	ROOF OVERHANG	ROOF OVERHANG	ROOF OVERHANG	ROOF OVERHANG	ROOF OVERHANG	ROOF OVERHANG	ROOF OVERHANG	ROOF OVERHANG	ROOF OVERHANG	ROOF OVERHANG	
U-VALUE	5,20	5,20	5,20	5,20	5,20	5,20	5,20	5,20	5,20	5,20	5,20	5,20	5,20	5,20	5,20	5,20	5,20	5,20	5,20	
SHGC	0,66	0,00	0,00	0,00	0,66	0,66	0,66	0,66	0,66	0,66	0,66	0,66	0,66	0,66	0,66	0,66	0,66	0,66	0,66	
GLASS DESCRIPTION	TOUGHENED SAFETY GLASS	TOUGHENED SAFETY GLASS	TOUGHENED SAFETY GLASS	TOUGHENED SAFETY GLASS	MONOLITIC ANNEALED GLASS	TOUGHENED SAFETY GLASS	TOUGHENED SAFETY GLASS	MONOLITIC ANNEALED GLASS	MONOLITIC ANNEALED GLASS	TOUGHENED SAFETY GLASS	TOUGHENED SAFETY GLASS	TOUGHENED SAFETY GLASS	MONOLITIC ANNEALED GLASS	MONOLITIC ANNEALED GLASS	TOUGHENED SAFETY GLASS	TOUGHENED SAFETY GLASS	TOUGHENED SAFETY GLASS	MONOLITIC ANNEALED GLASS	MONOLITIC ANNEALED GLASS	
2D VIEW																				
SHGC ON SW,S,SE ELEVATION		NO SOLUTION	NO SOLUTION	NO SOLUTION						NO SOLUTION	NO SOLUTION			NO SOLUTION						

GROUND STOREY FENESTRATION SCHEDULE SERVANTS QUARTERS: NET FLOOR AREA=18.5SM FENESTRATION AREA 7,64					
ID	SDS1	WS1	WS2	WS3	
HEIGHT	2 100	1 450	500	500	
WIDTH	2 400	1 450	500	500	
AREA	5,04	2,10	0,25	0,25	7,64 m <sup>2</sup>
ORIENTATION	SE	NE	SW	NW	
FRAME MATERIAL	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	
SIDES	4	4	4	4	
MICRON	25,00	25,00	25,00	25,00	
GLASS THICKNESS	5,00	4,00	4,00	4,00	
TYPE	TOUGHENED SAFETY GLASS	MONOLITIC ANNEALED GLASS	TOUGHENED SAFETY GLASS	TOUGHENED SAFETY GLASS	
TRANSLUCENCY		OPAQUE	OPAQUE	OPAQUE	
U VALUE	3,00	3,00	3,00	3,00	
SHGC	0,33	0,30		0,30	
SHADING	SHADING	NO SHADING			
OVERHANG NEEDED	0,97				
2D					

GROUND STOREY FENESTRATION SCHEDULE							
ID	SD2	SD3	W16	W17	W18	W19	
HEIGHT	2 100	2 100	1 200	600	1 200	1 200	
WIDTH	4 430	5 714	1 200	600	1 500	1 500	
AREA	9,30	12,00	1,44	0,36	1,80	1,80	26,70 m <sup>2</sup>
ORIENTATION	SE	SE	SW	NE	Structural - Bearing	Structural - Bearing	
SIDES	4,00	4,00	4,00	4,00	4,00	4,00	
MATERIAL	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	
MICRON	25,00	25,00	25,00	25,00	25,00	25,00	
GLASS DESCRIPTION	SINGLE CLEAR	SINGLE CLEAR	SINGLE TINT	SINGLE TINT	SINGLE TINT	SINGLE TINT	
GLASS MATERIAL	TOUGHENED SAFETY GLASS	TOUGHENED SAFETY GLASS	MONOLITIC ANNEALED GLASS	TOUGHENED SAFETY GLASS	TOUGHENED SAFETY GLASS	TOUGHENED SAFETY GLASS	
GLASS THICKNESS	4,00	4,00	4,00	4,00	4,00	4,00	
2D VIEW							

GROUND STOREY FENESTRATION SCHEDULE : ANY SOLUTION : 20%X275.7 NET FLOOR AREA =55.14SM > 54.77SM																		
ID	ST/D1	ST/D2	W01	W02	W03	W04	W05	W06	W07	W08	W09	W14	W15	WF08	WF09	WF12	WF13	
HEIGHT	2 100	2 100	1 200	1 200	1 200	1 500	900	1 300	900	600	1 200	1 200	600	2 700	2 700	2 700	2 700	
WIDTH	4 800	4 800	1 200	600	1 600	2 000	600	1 500	1 300	1 200	1 800	1 200	1 200	2 087	1 400	2 087	1 400	
AREA	10,08	10,08	1,44	0,72	1,92	3,00	0,54	1,95	1,17	0,72	2,16	1,44	0,72	5,64	3,78	5,63	3,78	54,77 m <sup>2</sup>
ORIENTATION	SE	SE	NE	NE	NE	NE	SW	SW	SW	SW	NW	NW	NW	NW	SW	NW	NE	
SIDES	4,00	4,00	4,00	4,00	4,00	4,00	4,00	4,00	4,00	4,00	4,00	4,00	4,00	4,00	4,00	4,00	4,00	
MATERIAL	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	Metal - Aluminium	
MICRON	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00		
GLASS DESCRIPTION	SINGLE TINT	SINGLE TINT	SINGLE TINT	SINGLE TINT	SINGLE TINT	SINGLE TINT	SINGLE TINT	SINGLE TINT	SINGLE TINT	SINGLE TINT	SINGLE TINT	SINGLE TINT	SINGLE TINT	SINGLE TINT	SINGLE TINT	SINGLE TINT	SINGLE TINT	
GLASS MATERIAL	TOUGHENED SAFETY GLASS	TOUGHENED SAFETY GLASS	MONOLITIC ANNEALED GLASS	MONOLITIC ANNEALED GLASS	MONOLITIC ANNEALED GLASS	MONOLITIC ANNEALED GLASS	MONOLITIC ANNEALED GLASS	MONOLITIC ANNEALED GLASS	TOUGHENED SAFETY GLASS	MONOLITIC ANNEALED GLASS	MONOLITIC ANNEALED GLASS	MONOLITIC ANNEALED GLASS	MONOLITIC ANNEALED GLASS	TOUGHENED SAFETY GLASS	TOUGHENED SAFETY GLASS	TOUGHENED SAFETY GLASS	TOUGHENED SAFETY GLASS	
GLASS THICKNESS	5,00	5,00	4,00	4,00	4,00	4,00	4,00	4,00	4,00	4,00	4,00	4,00	4,00	6,00	6,00	6,00	6,00	
2D VIEW																		

**NOTES**

NO FOUNDATION /WALLS/STRUCTURE TO ENCRONCH ON TO A SERVITUDE OR AN ADJACENT PROPERTY  
 NGL IN APPROXIMATE POSITION ONLY.  
 NO CLAIM CAN BE MADE WITH RESPECT TO THE POSITION OF THE NGL.  
 ALL STRUCTURAL WORK TO ENGINEERS DETAILS.  
 ALL SERVICES TO BE LOCATED PRIOR TO CONSTRUCTION.  
 THE MOVING OF A SERVICE IS AT THE OWNERS COST, UNLESS NEGOTIATED WITH THE LOCAL AUTHORITY.  
 THE OWNER IS TO EXAMINE THE PLAN IN DETAIL AND BRING ANY DISCREPANCIES TO THE AUTHORS IMMEDIATE ATTENTION PRIOR TO SUBMISSION.  
 ALL SERVICE PROVIDERS MUST LIASE WITH THE AUTHOR PRIOR TO DETAILS AND CONSTRUCTION.  
 PRIOR TO EXCAVATION AND CONSTRUCTION THE CONTRACTOR MUST CHECK ALL LEVELS AND BRING ANY DISCREPANCIES TO THE AUTHORS IMMEDIATE ATTENTION.  
 ALL MUNICIPAL CONNECTIONS IS AT THE OWNERS COST.  
 THE OWNER/CONTRACTOR MUST LIASE WITH THE MUNICIPALITY ON INSPECTIONS AND THE FINAL COMPLETION CERTIFICATE.  
 ALL DEVIATIONS AT OWNERS COST.  
 ALL DEVIATIONS TO THE PLAN TO BE BROUGHT TO THE AUTHORS ATTENTION PRIOR TO CONSTRUCTION.

**STRUCTURAL DESIGN**  
 FOUNDATIONS FOUNDATION WALLS, BEAMS, LINTOLS, SLABS AND ROOF ALL TO ENGINEERS DETAILS.  
 ALL EARTWORKS TO BE CHECKED BY ENGINEER.  
 ALL FOUNDATIONS ARE TO BE CAST INTO SOLID GROUND.  
 TIMBER STAIR CONSTRUCTION TO ENGINEERS SPECS.

**BUILDING OPERATIONS**  
 SANITARY FACILITIES AND FRESH WATER TO BE PROVIDED DURING BUILDING OPERATIONS.

**PUBLIC SAFETY**  
 ALL RETAINING WALLS BALUSTRADES TO COMPLY TO PART D 4.2 (SANS 10400) MIN HT 1000 MM AND A 100MM BALL SHOULD NOT PASS THROUGH THE POSTS. (CHANGE IN LEVEL).

GLAZING TO COMPLY TO SANS 10-400 PART N (TOUGHENED SAFETY GLASS) FRAMELESS AND SHOWER ENCLOSURES SHOULD BE ENCLOSED.  
 WITH TOUGHENED SAFETY GLASS.  
 GLAZING IN CLOSE PROXIMITY TO SHOWER TO COMPLY WITH SANS 10400 PART N4.2 FRAMELESS BALUSTRADE GLASS TO ENGINEERS DETAILS AND SPECIFICATIONS.  
 ALL GLAZING SUPPLIED BY AND FITTED IN ACCORDANCE TO GLAZING SCHEDULE COC CERTIFICATES TO BE PROVIDED.

**LIGHTING AND VENTILATION**  
 5% NATURAL VENTILATION  
 10% NATURAL LIGHT  
 ALL HABITABLE SPACES TO BE CROSS VENTILATED.

**DRAINAGE**  
 WASTE PIPES DIS 50MM UPVC  
 SEWER PIPES DIA 100MM UPVC  
 ALL WASTE PIPES TO BE P TRAPS.  
 INSPECTION EYE AT ALL BENDS AND JUNCTIONS.  
 ALL VENTILATING PIPES TO COMPLY TO SANS 10400 PART 4.18.6  
 ALL DRAINAGE FITTINGS TO BE SABS APPROVED.  
 ALL SVPS 110MM IN DIA TO COMPLY TO PART P.  
 4.18.6 IE. TO PROJECT NOT LESS THAN 100MM ABOVE ROOF COVERING.  
 OVERFLOW PIPES TO BE VISIBLE FROM OUT SIDE AND PIPE DIAMETER SHOULD BE LARGER THAN INLET PIPE.  
 ALL PLUMBING BY A REGISTERED TICKETED PLUMBER. OVERFLOW GEYSER/WC(S)

**FOUNDATIONS**  
 SUB GROUND FLOOR TO BE POISONED BY A CERTIFIED SERVICE PROVIDER.  
 POLYOLEFIN SABS AT FLOOR LEVEL.  
 DAMP PROOF MEMBRANE TO BE LAID TO MANUFACTURERS SPECS.  
 ALL FOUNDATION TO SOLID GROUND UNLESS OTHERWISE STATED.

**FLOORS:**  
 BATH, KITCHEN, SCULLERY AND ENSUITES -PROVIDED WITH IMPERVIOUS MATERIAL  
 PROVIDED BY SPECIALISTS.  
 FLOORS TO COMPLY WITH SANS 10400 J-2110 4.12 (DAMP PROOF)

**CONSTRUCTION MATERIAL**  
 220 CEMENT BRICKS EXTERNALLY AND INTERNALLY.  
 110 CEMENT BRICKS INTERNALLY  
 BRICKS TO BE SABS APPROVED  
 BRICK FORCE AS DIRECTED ON SITE.

**ROOF NOTES:**  
 REFER TO DRAWINGS  
 9MM RHINO ON BRANDERING.

**STAIRS**  
 1M HANDRAIL TO ABE PROVIDED TO STAIRS. GLAZING IN RELATION TO STAIRCASE TO COMPLY WITH SANS10400 PART N4,4(f and g).

**STORMWATER DISPOSAL**  
 AS INDICATED ON DRAWINGS TO ENGINEERS SPECS

**FINISHES**  
 PLAST AND PVA

"AS BUILT"

CATEGORY: H4

OWNERS SIGNATURE:

OWNER CONTACT: 0833868335

AUTHORS SIGNATURE:

**PROPOSED ADDITIONS AND ALTERATIONS**  
 BOUNDARY WALL ON ERF 2602  
 AMANZIMTOTI AT 341 IPAHLA ROAD  
 ATHLONE PARK  
**FOR:**  
**GRAMANI FAMILY TRUST**  
 REGISTRATION NUMBER: IT 128804N

DRAWN :  
 DESIGN ZONE  
 G.S. NAICKER  
 38 MERMAID AVENUE  
 SEA TIDES  
 TONGAAT  
 4399

CONTACT: CELL 0837921721  
 gn.designzone@gmail.com  
 SACAP T0070

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