



EDUCATION

UMLAZI / ILEMBE / UGU

**MANUFACTURING ENGINEERING
& TECHNOLOGY**

**GRADE
12**

**ENGINEERING GRAPHICS AND DESIGN P1
JUNE EXAMINATION 2013**

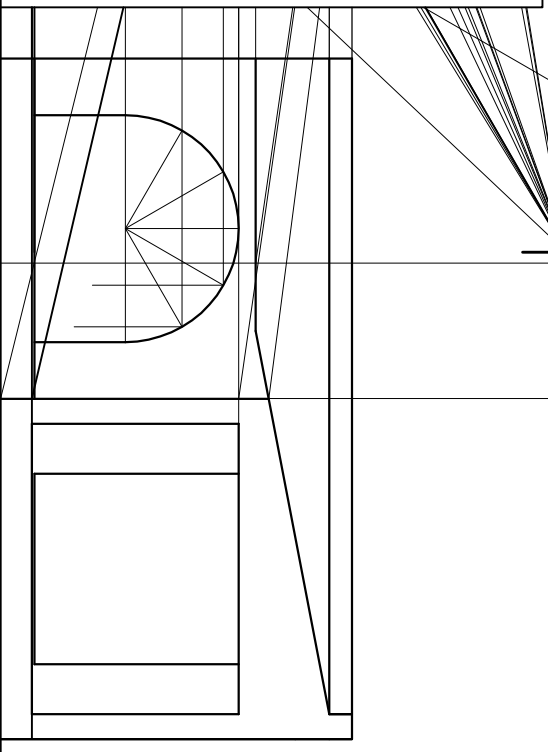
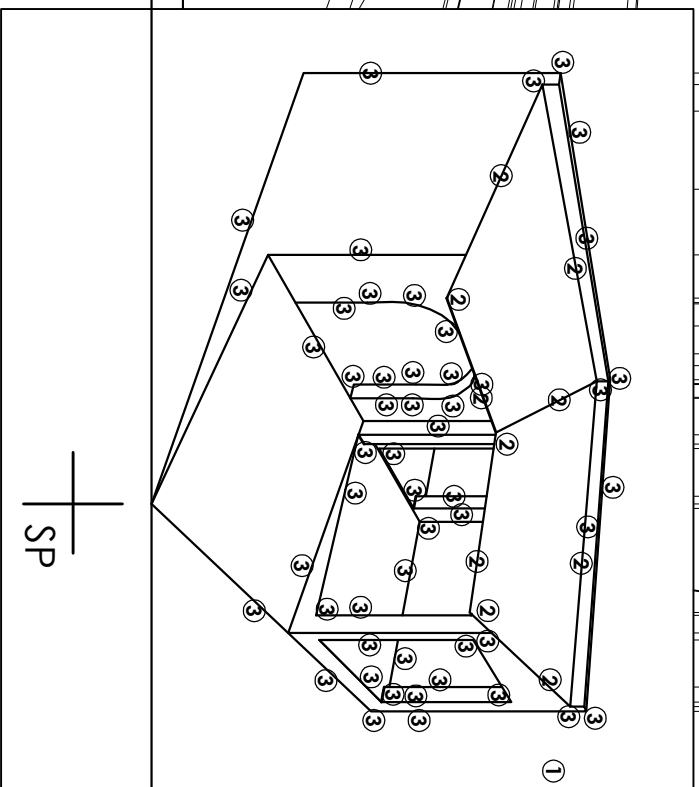
**MARKING
MEMO**

1. WHAT IS THE SCALE OF THE DRAWING?	1:200	1
2. WHAT IS THE STREET ADDRESS OF THE PROPOSED DEVELOPMENT?	564 ROAD 719	1
3. WHAT IS THE ERF NUMBER OF THE PROPERTY ON THE NORTH SIDE?	PORTION 3716 of 108	1
4. IS THE PROPERTY ABOVE OR BELOW ROAD LEVEL?	ABOVE	1
5. WHAT IS THE HEIGHT DIFFERENCE OF THE PROPERTY?	1500 / 1,5m	1
6. WHAT ELEVATION CAN BE VIEWED FROM DIRECTION OF ARROW A?	WEST ELEVATION	1
7. WHAT ELEVATION CAN BE VIEWED FROM DIRECTION OF ARROW B?	SOUTH ELEVATION	1
8. HOW FAR IS THE PROPOSED EXTENSION FROM THE ROAD EDGE?	5750	1
9. WHAT DO THE FOLLOWING ABBREVIATIONS STAND FOR?		
9.1. SH	SHOWER	1
9.2. WC	WATER CLOSET	1
9.3. S	SINK	1
9.4. MH	MANHOLE	1
9.5. RE	RODDING EYE	1
9.6. IE	INSPECTION EYE	1
10. WHAT FEATURES ARE REPRESENTED BY:		
10.1. C	BOUNDARY WALL	1
10.2. D	BUILDING LINE	1
10.3. E	NORTH POINT	1
10.4. F	STAIRS	1
11. WHAT IS THE AREA OF THE PROPOSED EXTENSION?(answer in metres)	5000 X 4300 = 5,0m x 4,3m	3
	= 21,5m ²	
12. WHAT IS THE PERIMETER OF THE PROPERTY?(answer in metres)	(9200 x 2) + (22500 x 2)	2
	= (9,2 x2) + (22,5 x 2)	
	= 18,4 + 45 = 63,4m	
13. WHAT DO YOU CALL 2 DWELLINGS SHARING A COMMON WALL? (FREE-STANDING/SEMI-DETACHED/UNATTACHED)	SEMI - DETACHED	1
14. WHAT IS THE NAME GIVEN TO THE COMMON WALL? (PARTY-WALL/RETAINING WALL/BOUNDARY WALL/CAVITY WALL)	PARTY-WALL	1
TOTAL		25
NAME:		GR. 12 _____

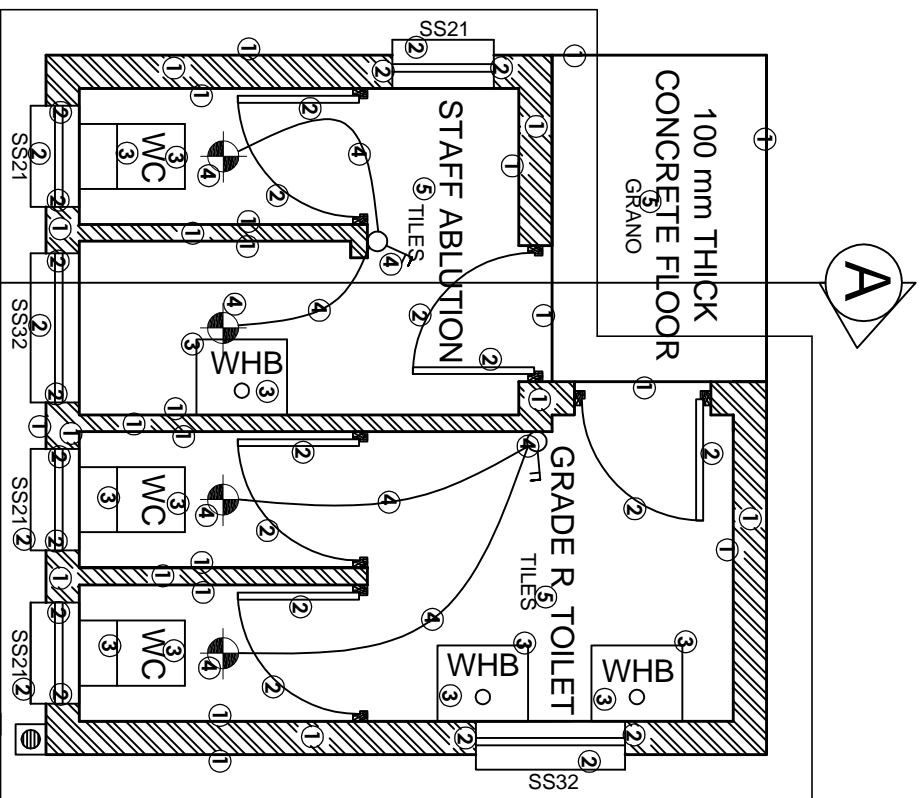
ASSESSMENT CRITERIA

① CONSTRUCTIONS + VP'S	7	
② ROOF	10	
③ WALLS (50 ÷ 2)	25	
TOTAL	42	

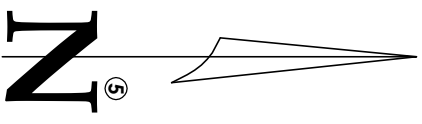
①
VPR ①



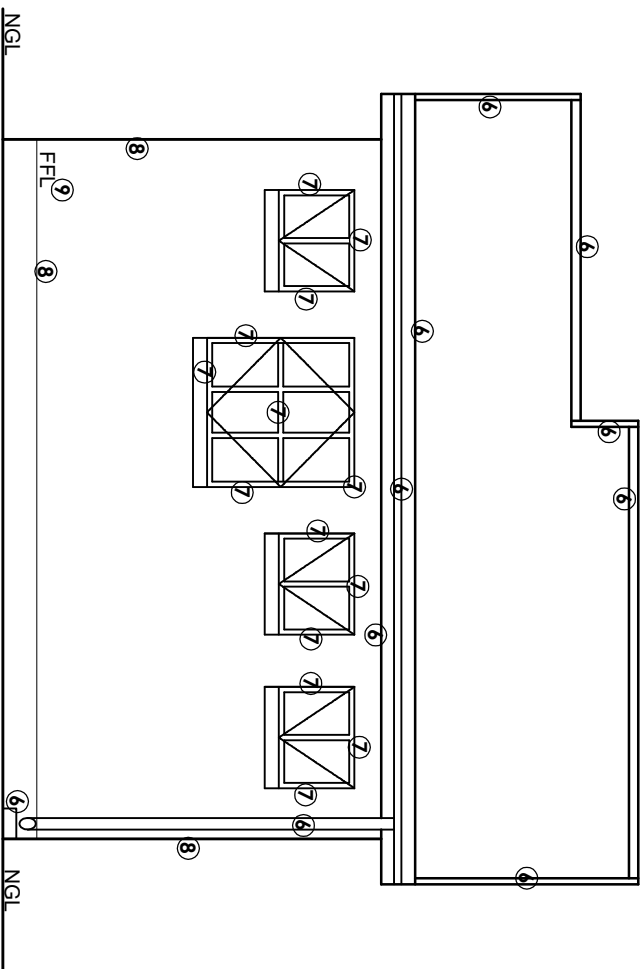
SP



PLAN ⑤
SCALE 1:50 ⑤



ASSESSMENT CRITERIA	
FLOOR PLAN	
① WALLS & HATCHING	28½
② WINDOWS & DOORS	28½
③ SANITARY FITMENTS	12½
④ ELECTRICAL	10½
⑤ LABELS	6½
SUB-TOTAL	42



SOUTH ELEVATION ⑨
SCALE 1:50

ASSESSMENT CRITERIA		
SOUTH ELEVATION		
⑥ ROOF, GUTTER, GULLEY	10½	
⑦ WINDOWS	14½	
⑧ WALLS, FFL	3	
⑨ LABELS	2	
SUB-TOTAL	17	