



JULIUS NYERERE SCHOOL OF SOCIAL SCIENCES

DEPARTMENT OF REGIONAL AND URBAN DEVELOPMENT

**BACHELOR OF SCIENCE HONOURS DEGREE IN REGIONAL AND
URBAN PLANNING**

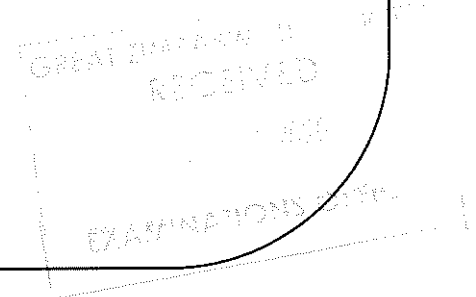
LEVEL 4 SEMESTER 2

EXAMINATION QUESTION PAPER

MODULE CODE	RUPH429
MODULE NARRATION	CONSTRUCTION ECONOMICS AND MANAGEMENT
DATE	2025
DURATION	3 HOURS

INSTRUCTIONS TO CANDIDATES:

- 1. Answer Question 1 in Section A and any other two questions in Section B**
- 2. All workings must be shown and written legibly.**
- 3. Take the scale to be 1:100 on all drawings and take all measurements as given**
- 4. Materials allowed in the exam: Scientific Calculator**



BUILDING CONSTANTS TABLES

Mortar Components per M²

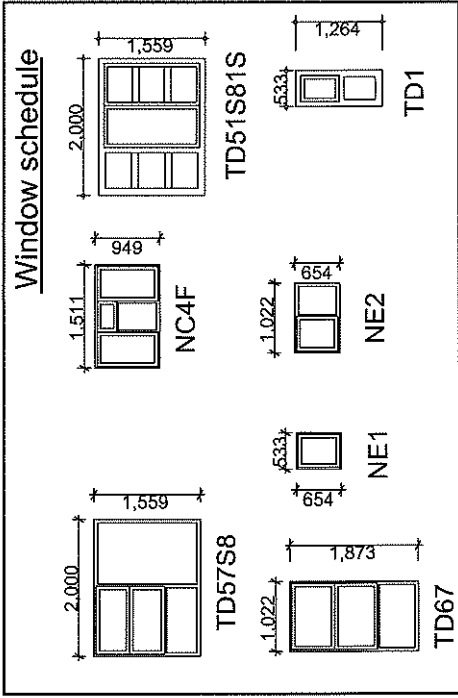
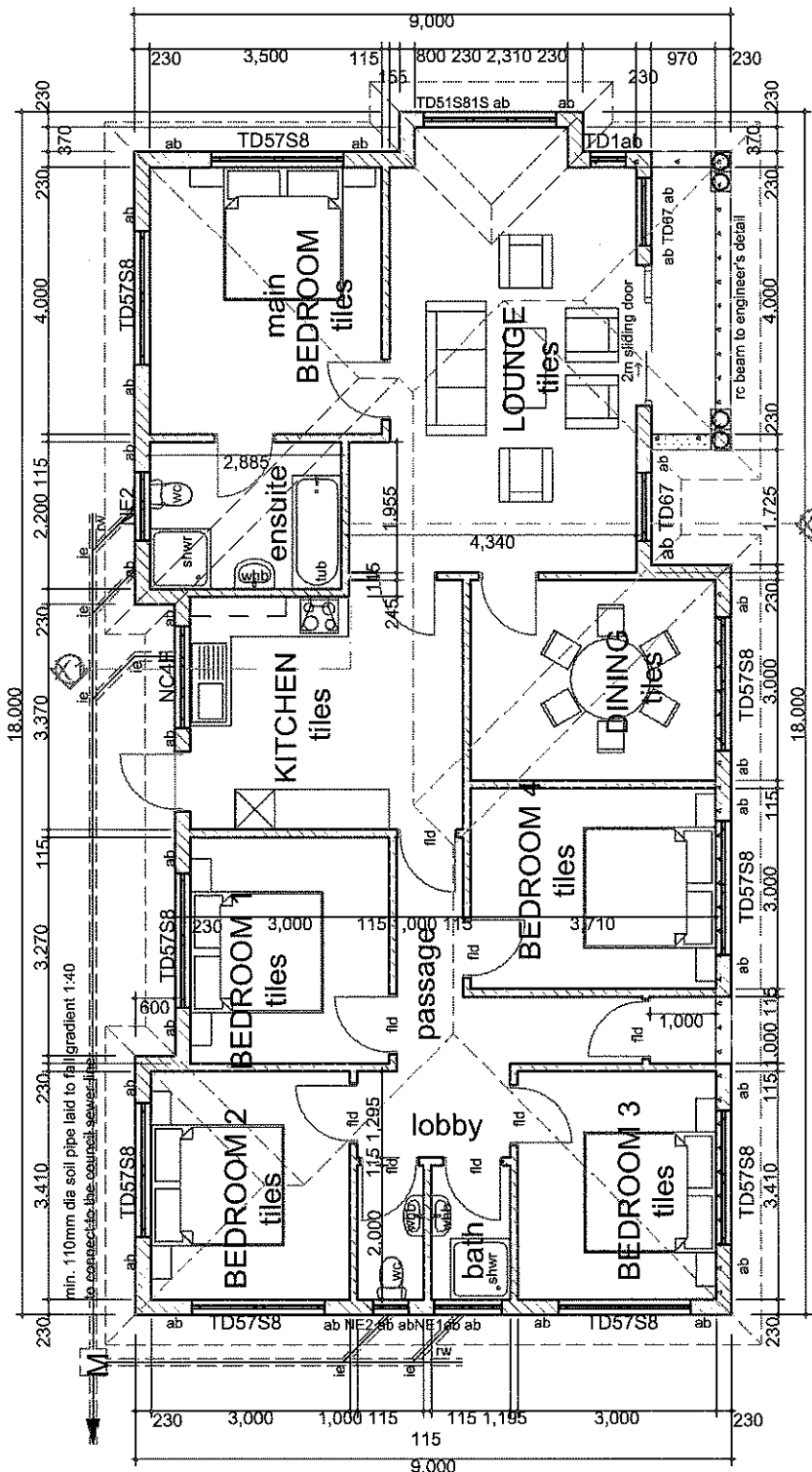
Ratios	Cement (tons/m ³)	Pitsand /m ³
1:1	0.97	0.67
1:2	0.66	0.91
1:3	0.50	1.04
1.5	0.40	1.12

Bricks/M²

Wall Size	Per Square Meter Wall	
	Bricks	Mortar/m ³
115mm	55	0.02
230mm	110	0.05
345mm	165	0.08

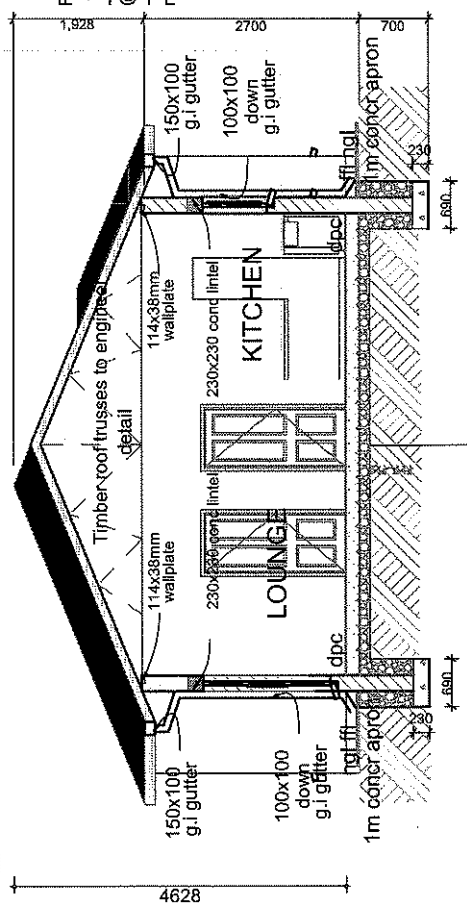
Concrete Mixes

Concrete Mix	Cement/m ³	Sand/m ³	Stones/m ³
1:1:2	9 (0.45)t	0.36	0.73
1:1.5:3	8 (0.40)t	0.40	0.80
1:2:3	7 (0.35)t	0.50	0.75
1:2:4	6.5 (0.28)t	0.45	0.90
1:4:8	4 (0.20)t	0.46	0.3



ROOF NOTES
 - Pitch 22.5°
 - IFR sheets on 38x38mm timber battens @300mm c/c
 - timber trusses @ centers specified by manufacture on 38x115mm wall plate

FLOOR PLAN SCALE 1 : 100



SECTION X-X SCALE 1 : 100