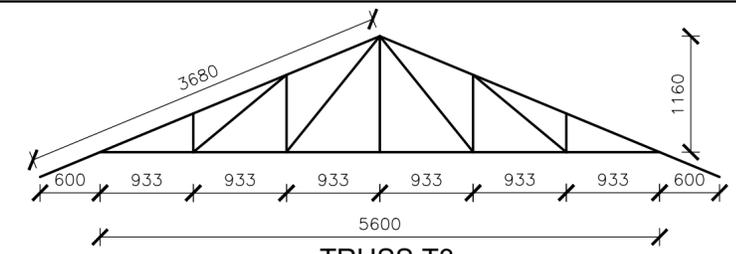
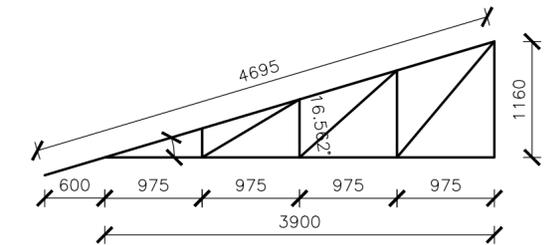


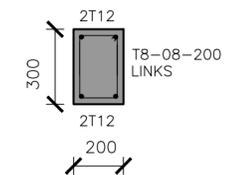
ROOF LAYOUT



TRUSS T3



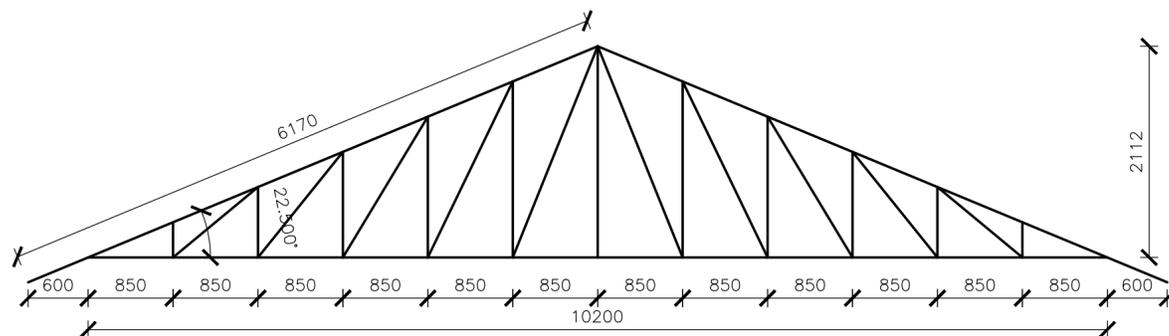
TRUSS T4



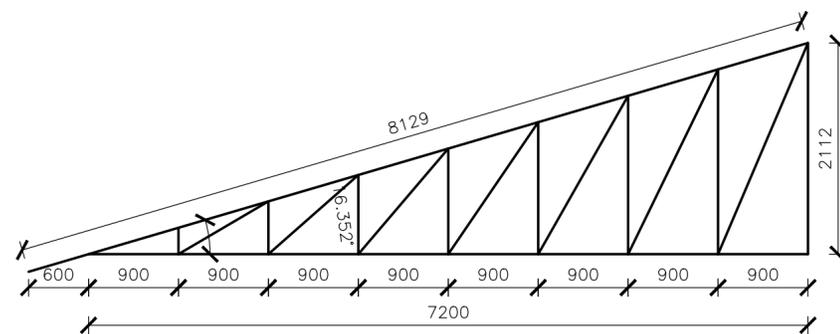
ROOF BEAM DETAILS

**TIMBER TRUSS MEMBERS**

- 100X50mm APPROVED PRE-TREATED TIMBER RAFTERS
- 100X50mm APPROVED PRE-TREATED TIMBER TIES
- 100X50mm APPROVED PRE-TREATED TIMBER WALL PLAT
- 75X50mm APPROVED PRE-TREATED TIMBER STRUTS
- 75X50mm APPROVED PRE-TREATED TIMBER PURLINS



TRUSS T1



TRUSS T2

**NOTES**

1. ALL DIMENSIONS AND LEVELS TO BE VERIFIED AND CONFIRMED ON SITE
2. CONCRETE SHALL BE 1:2:4 MIX ,CLASS 20 / 20
3. COVER SHALL BE AS FOLLOWS ( UNLESS OTHERWISE SHOWN)  
SLAB - 20mm, BEAMS - 25mm, STAIRS - 20mm, HOLLOW POT SLAB - 20mm,  
COLUMNS AND GROUND BEAMS - 40mm, FOOTINGS - 50mm  
WALLS (TO VERTICAL BARS) - 25mm.
4. FOUNDATIONS ARE DESIGNED FOR A SAFE BEARING PRESSURE OF 200 kN/m<sup>2</sup> AND SHALL BE SUBJECT TO VERIFICATION ON SITE
5. 50mm, BLINDING SHALL BE PROVIDED UNDER ALL R.C FOOTINGS AND GROUND BEAMS
6. SYMBOLS :  
T1- TOP BARS UPPER LAYER  
T2- TOP BARS LOWER LAYER  
B1- BOTTOM BARS LOWER LAYER  
B2- BOTTOM BARS UPPER LAYER  
NF- NEAR FACE EF- EACH FACE  
FF- FAR FACE BF- BOTH FACES  
D.O.S - DETERMINED ON SITE
7. REINFORCEMENT LAPPING TO BE 50D

REVISIONS			
No	DATE	BY	DESCRIPTION

PROJECT TITLE  
PROPOSED CLASSROOM BLOCK AT KIITHE PRIMARY SCHOOL.

CLIENT  
MINISTRY OF EDUCATION

CLIENT'S APPROVAL:..... DATE:.....

DRG TITLE  
ROOF LAYOUT, TRUSS DETAILS AND ROOF BEAM REINFORCEMENT DETAILS.

SCALES: 1:75, 1:25, 1:20 SHEET SIZE: A2

PROJECT NO SHEET NO: 05

	NAME	SIGNATURE	DATE
DRAWN	R. MWANDOE		24TH NOVEMBER, 2025
DESIGNED	R. MWANDOE		24TH NOVEMBER, 2025
CHECKED	R. MWANDOE		24TH NOVEMBER, 2025

APPROVED  
REGIONAL WORKS OFFICER – EASTERN REGION

STATE DEPARTMENT FOR PUBLIC WORKS  
REGIONAL WORKS OFFICE – EASTERN  
P.O. BOX 455–60100 EMBU  
STRUCTURAL DEPARTMENT

