

FOUNDATION LAYOUT PLAN

**NOTE:**

- All dimensions are in mm unless otherwise specified
- All discrepancies shall be referred to the structural engineer
- Reinforced concrete shall be of grade 20 with  $f_{cu}=25N/mm^2$  at 28 days of age
- Main reinforcements shall be high tensile steel with  $f_y = 460N/mm^2$
- Nominal cover to the reinforcements:
  - Foundation 50mm
  - Column 25mm
  - Beam 25mm
  - Slab 25mm
- For walls; use compressive blocks 4.5Mpa
- Minimum soil bearing capacity is  $150kN/m^2$ ,
- Use well seasoned pressure impregnated soft wood for roof truss

**President's Office, Regional Administration and Local Government, Government City - Mtumba, TAMISEMI Street, P.O.Box 1923, 41185 Dodoma.**

**CLIENT**  
**REGIONAL ADMINISTRATIVE SECRETARY,**  
**TANZANIA MAIN LAND**

**PROJECT**  
**PROPOSED RESIDENTIAL HOUSE FOR DISTRICT ADMINISTRATIVE SECRETARY (STANDARD DESIGN), TANZANIA MAINLAND**

**DRAWING TITLE**  
**FOUNDATION PLAN**

Designed by:	ENG. A.MA
Drawn by:	ENG. A.M.A
Checked by:	ENG. R.A.M
Approved by:	
Date: <b>Sept 2021</b>	Scale:
Drawing No. <b>STR.DAS101</b>	Sheet:

**NOTE:**

- All dimensions are in mm unless otherwise specified
- All discrepancies shall be referred to the structural engineer
- Reinforced concrete shall be of grade 20 with  $f_{cu}=25N/mm^2$  at 28 days of age
- Main reinforcements shall be high tensile steel with  $f_y = 460N/mm^2$
- Nominal cover to the reinforcements:
  - Foundation 50mm
  - Column 25mm
  - Beam 25mm
  - Slab 25mm
- For walls; use compressive blocks 4.5Mpa
- Minimum soil bearing capacity is  $150kN/m^2$ ,
- Use well seasoned pressure impregnated soft wood for roof truss

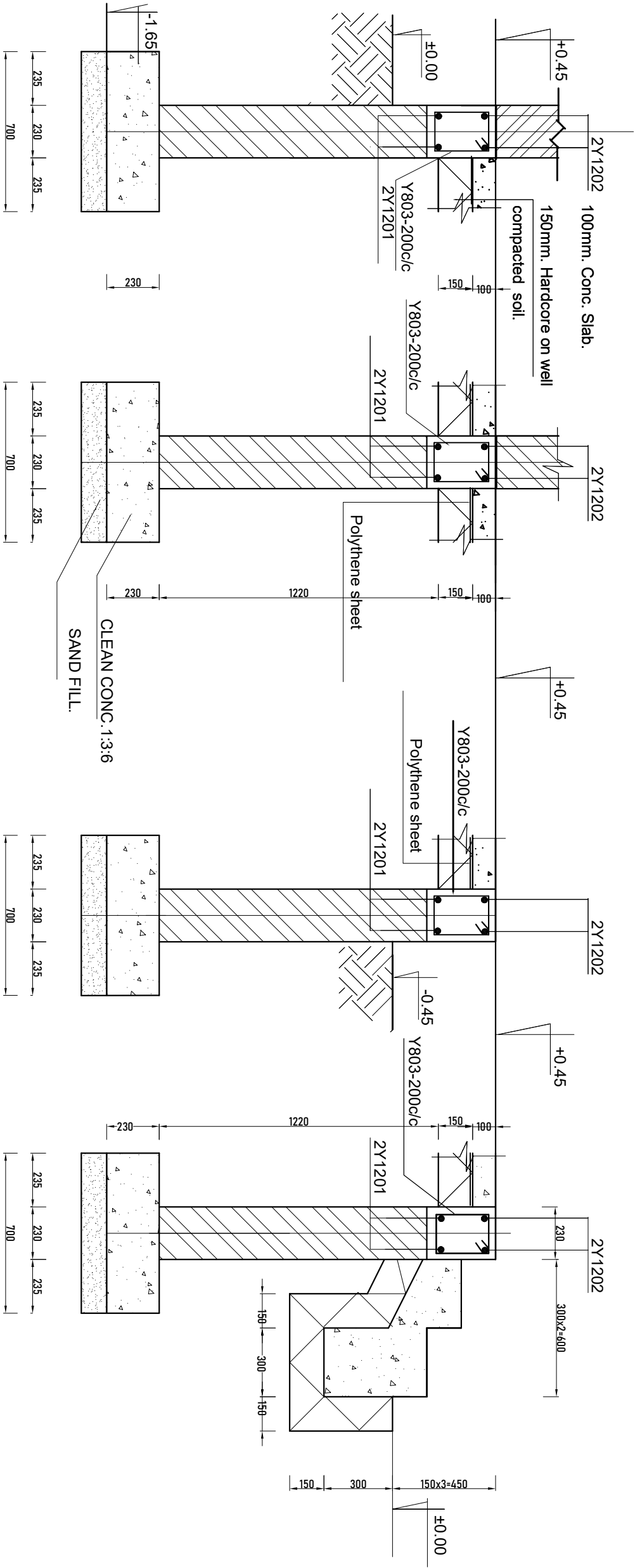
**President's Office, Regional Administration and Local Government, Government City - Mtumba, TAMISEMI Street, P.O.Box 1923, 41185 Dodoma.**

**CLIENT**  
**REGIONAL ADMINISTRATIVE SECRETARY,**  
**TANZANIA MAIN LAND**

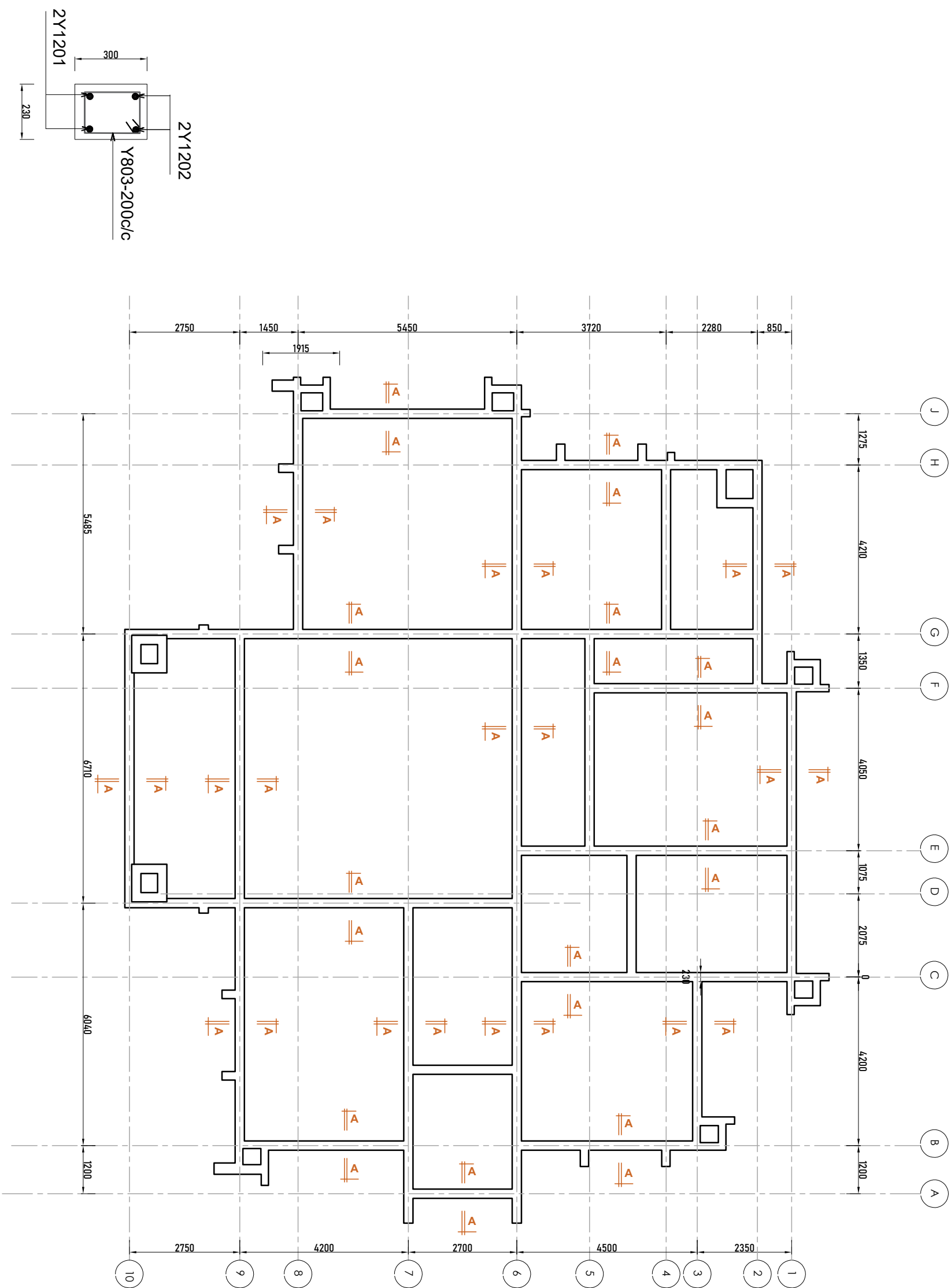
**PROJECT**  
**PROPOSED RESIDENTIAL HOUSE FOR DISTRICT ADMINISTRATIVE SECRETARY (STANDARD DESIGN), TANZANIA MAINLAND**

**DRAWING TITLE**  
**FOUNDATION DETAILS**

Designed by:	ENG. A.MA
Drawn by:	ENG. A.M.A
Checked by:	ENG. R.A.M
Approved by:	
Date: <b>Sept 2021</b>	Scale:
Drawing No. <b>STR.DAS102</b>	Sheet:



**FOUNDATION DETAILS**



PLINTH BEAMS LAYOUT PLAN

**NOTE:**

1. All dimensions are in mm unless otherwise specified
2. All discrepancies shall be referred to the structural engineer
3. Reinforced concrete shall be of grade 20 with  $f_{cu}=25N/mm^2$  at 28 days of age
4. Main reinforcements shall be high tensile steel with  $f_y = 460N/mm^2$
5. Nominal cover to the reinforcements:
  - a) Foundation 50mm
  - b) Column 25mm
  - c) Beam 25mm
  - d) Slab 25mm
6. For walls; use compressive blocks 4.5Mpa
7. Minimum soil bearing capacity is  $150kN/m^2$ ,
8. Use well seasoned pressure impregnated soft wood for roof truss

**President's Office, Regional Administration and Local Government,**  
**Government City - Mtumba,**  
**TAMISEMI Street,**  
**P.O.Box 1923,**  
**41185 Dodoma.**

**CLIENT**  
**REGIONAL ADMINISTRATIVE SECRETARY,**  
**TANZANIA MAIN LAND**

**PROJECT**  
**PROPOSED RESIDENTIAL HOUSE FOR DISTRICT ADMINISTRATIVE SECRETARY (STANDARD DESIGN), TANZANIA MAINLAND**

**DRAWING TITLE**  
**PLINTH BEAMS**

Designed by:	ENG. A.MA
Drawn by:	ENG. A.M.A
Checked by:	ENG. R.A.M
Approved by:	
Date: <b>Sept 2021</b>	Scale:
Drawing No. <b>STR.DAS103</b>	Sheet:

- NOTE:**
- All dimensions are in mm unless otherwise specified
  - All discrepancies shall be referred to the structural engineer
  - Reinforced concrete shall be of grade 20 with  $f_{cu}=25N/mm^2$  at 28 days of age
  - Main reinforcements shall be high tensile steel with  $f_y = 460N/mm^2$
  - Nominal cover to the reinforcements:
    - Foundation 50mm
    - Column 25mm
    - Beam 25mm
    - Slab 25mm
  - For walls; use compressive blocks 4.5Mpa
  - Minimum soil bearing capacity is  $150kN/m^2$ ,
  - Use well seasoned pressure impregnated soft wood for roof truss

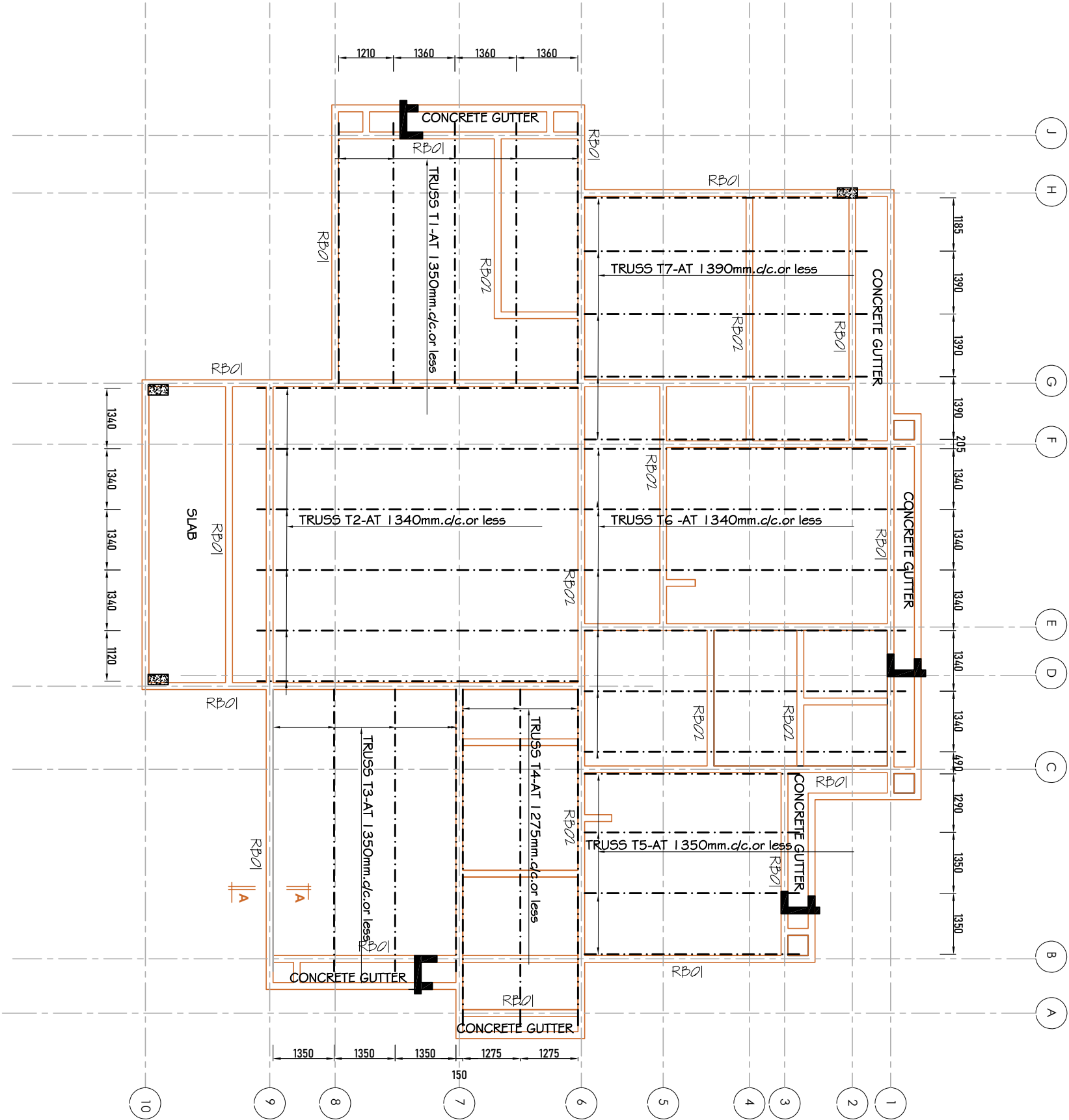
**President's Office, Regional Administration and Local Government, Government City - Mtumba, TAMISEMI Street, P.O.Box 1923, 41185 Dodoma.**

**CLIENT**  
**REGIONAL ADMINISTRATIVE SECRETARY,**  
**TANZANIA MAIN LAND**

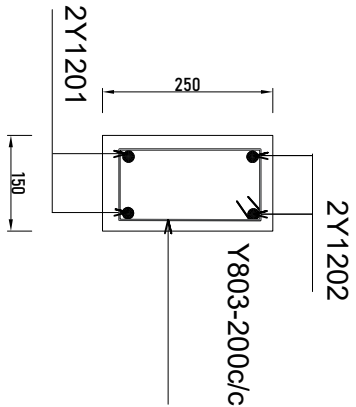
**PROJECT**  
**PROPOSED RESIDENTIAL HOUSE FOR DISTRICT ADMINISTRATIVE SECRETARY (STANDARD DESIGN), TANZANIA MAINLAND**

**DRAWING TITLE**  
**TRUSS AND RING BEAMS PLAN**

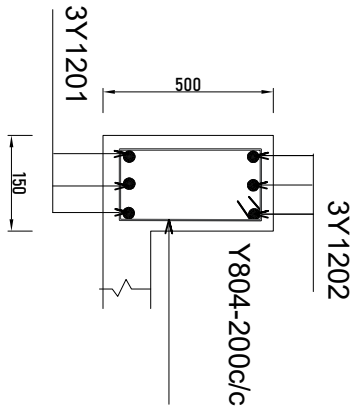
Designed by:	ENG. A.MA
Drawn by:	ENG. A.M.A
Checked by:	ENG. R.A.M
Approved by:	
Date: <b>Sept 2021</b>	Scale:
Drawing No. <b>STR.DAS104</b>	Sheet:



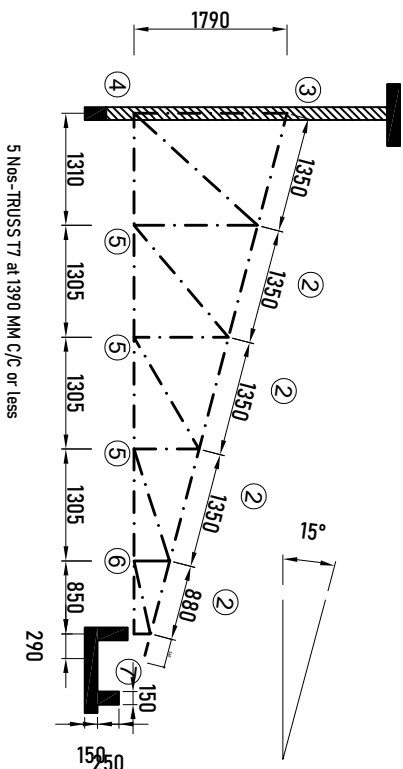
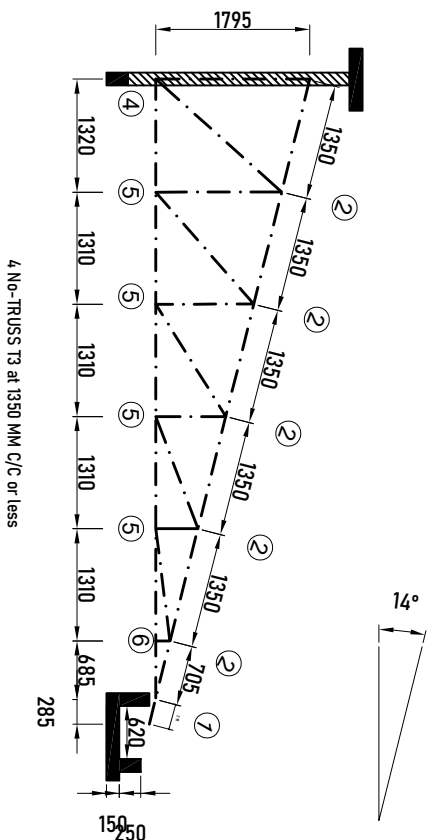
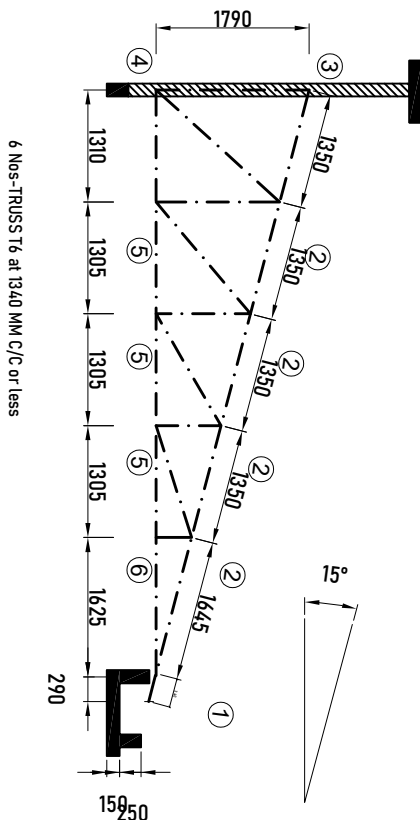
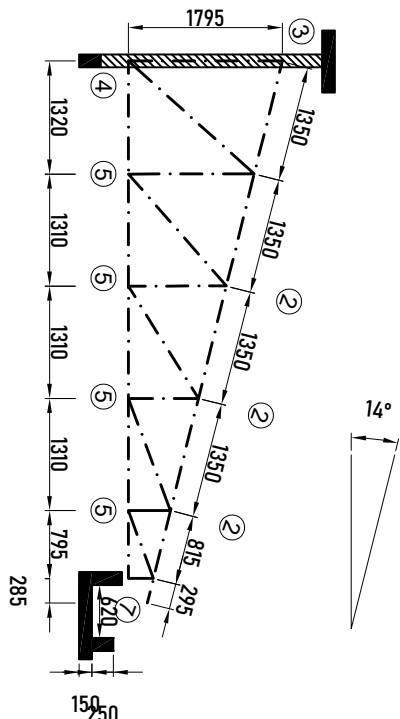
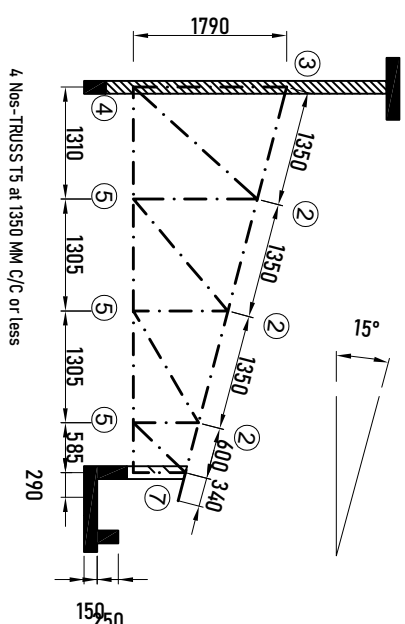
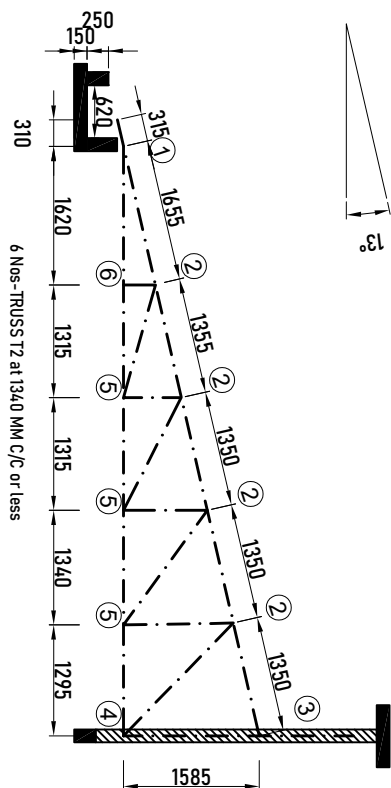
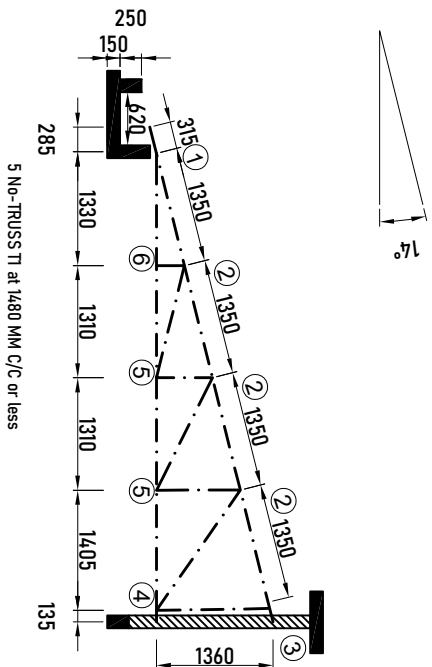
SECTION B-B-INTERNAL BEAMS-RB02



SECTION A-A-EXTERNAL BEAMS-RB01



ROOF TRUSS AND RING BEAMS LAYOUT PLAN



**NOTE:**

1. All dimensions are in mm unless otherwise specified
2. All discrepancies shall be referred to the structural engineer
3. Reinforced concrete shall be of grade 20 with  $f_{cu}=25N/mm^2$  at 28 days of age
4. Main reinforcements shall be high tensile steel with  $f_y = 460N/mm^2$
5. Nominal cover to the reinforcements:
  - a) Foundation 50mm
  - b) Column 25mm
  - c) Beam 25mm
  - d) Slab 25mm
6. For walls; use compressive blocks 4.5Mpa
7. Minimum soil bearing capacity is  $150kN/m^2$ ,
8. Use well seasoned pressure impregnated soft wood for roof truss

**President's Office, Regional Administration and Local Government, Government City - Mtumba, TAMISEMI Street, P.O.Box 1923, 41185 Dodoma.**

**CLIENT**  
**REGIONAL ADMINISTRATIVE SECRETARY, TANZANIA MAIN LAND**

**PROJECT**  
**PROPOSED RESIDENTIAL HOUSE FOR DISTRICT ADMINISTRATIVE SECRETARY (STANDARD DESIGN), TANZANIA MAINLAND**

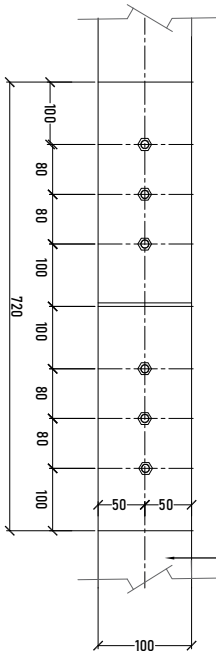
**DRAWING TITLE**  
**TRUSS DETAILS**

Designed by:	ENG. A.M.A
Drawn by:	ENG. A.M.A
Checked by:	ENG. R.A.M
Approved by:	
Date: <b>Sept 2021</b>	Scale:
Drawing No. <b>STR.DAS105</b>	Sheet: 01

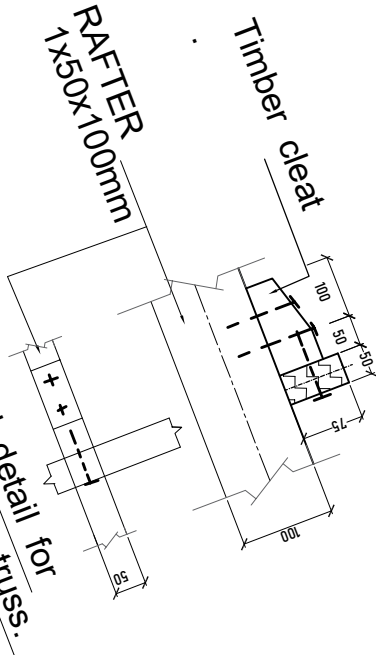
**ROOF TRUSS DETAILS**

100mm long nails 6 Nos.  
GUSSETS-2NOS -25 mm. marine plywood  
bothways.

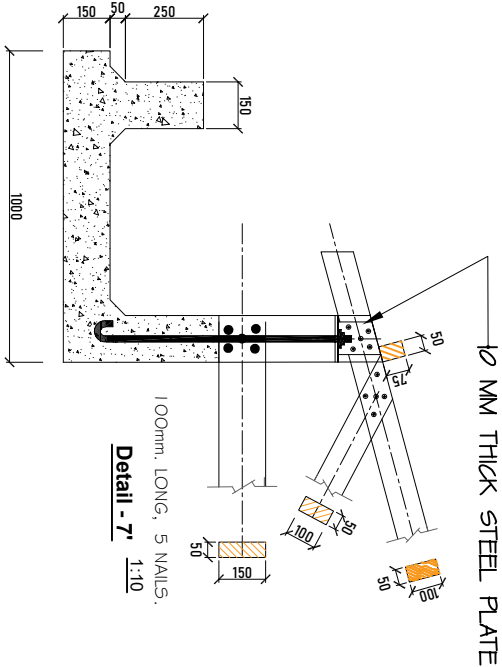
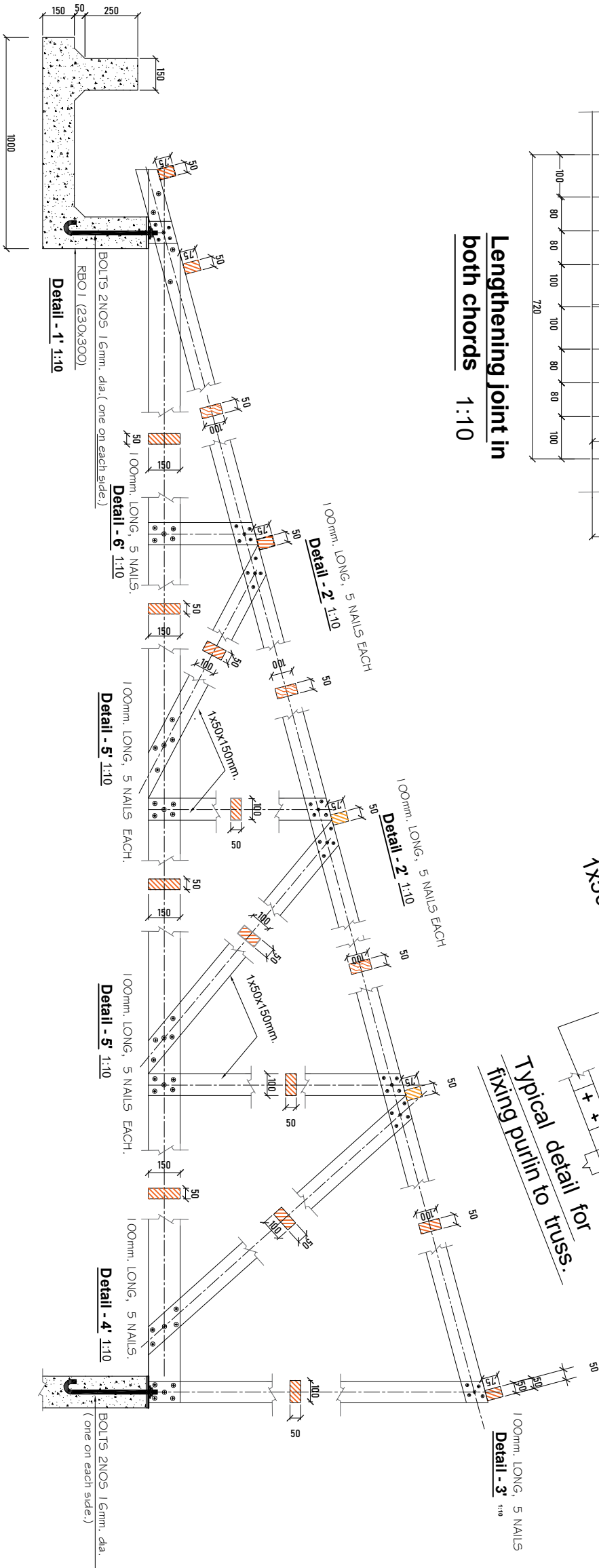
1x50x100mm, or 1x50x150mm.



**Lengthening joint in both chords**  
1:10



**Typical detail for fixing purlin to trusses.**



**Detail - 7' 1:10**

## ROOF TRUSS DETAILS

### NOTE:

- All dimensions are in mm unless otherwise specified
- All discrepancies shall be referred to the structural engineer
- Reinforced concrete shall be of grade 20 with  $f_{cu}=25N/mm^2$  at 28 days of age
- Main reinforcements shall be high tensile steel with  $f_y = 460N/mm^2$
- Nominal cover to the reinforcements:
  - Foundation 50mm
  - Column 25mm
  - Beam 25mm
  - Slab 25mm
- For walls; use compressive blocks 4.5Mpa
- Minimum soil bearing capacity is  $150kN/m^2$ ,
- Use well seasoned pressure impregnated soft wood for roof truss

**President's Office, Regional Administration and Local Government, Government City - Mtumba, TAMISEMI Street, P.O.Box 1923, 41185 Dodoma.**

**CLIENT**  
**REGIONAL ADMINISTRATIVE SECRETARY, TANZANIA MAIN LAND**

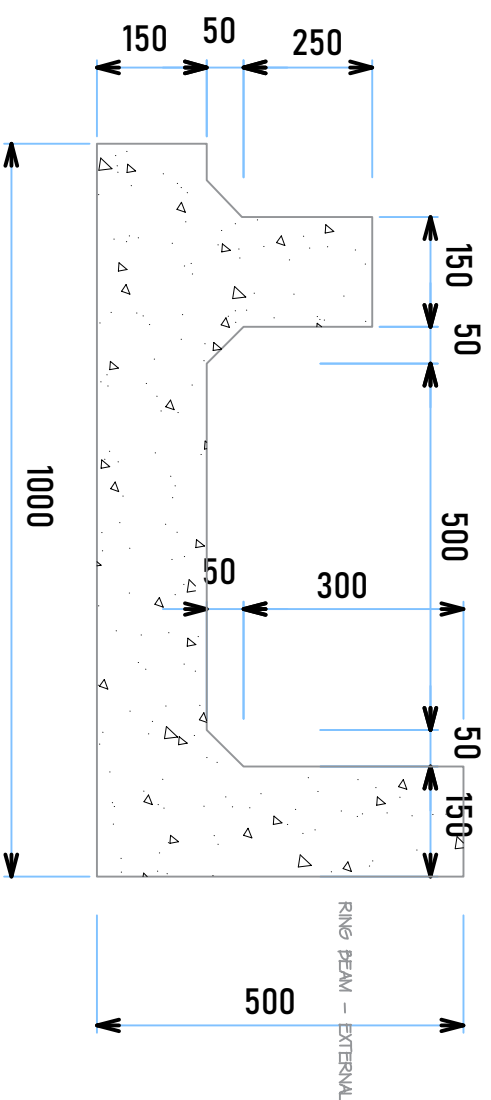
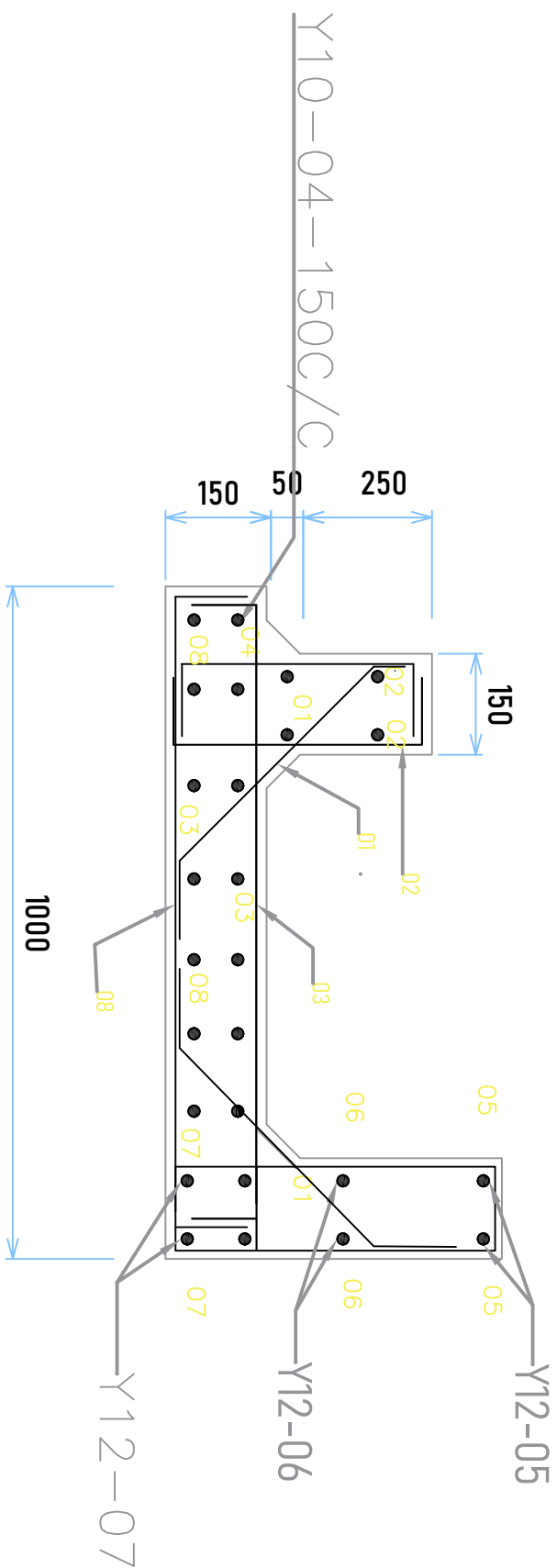
**PROJECT**  
**PROPOSED RESIDENTIAL HOUSE FOR DISTRICT ADMINISTRATIVE SECRETARY (STANDARD DESIGN), TANZANIA MAINLAND**

### DRAWING TITLE

#### TRUSS DETAILS

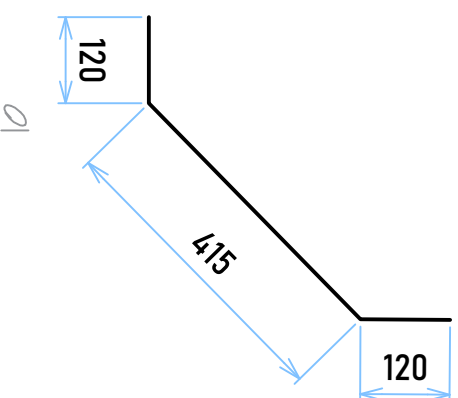
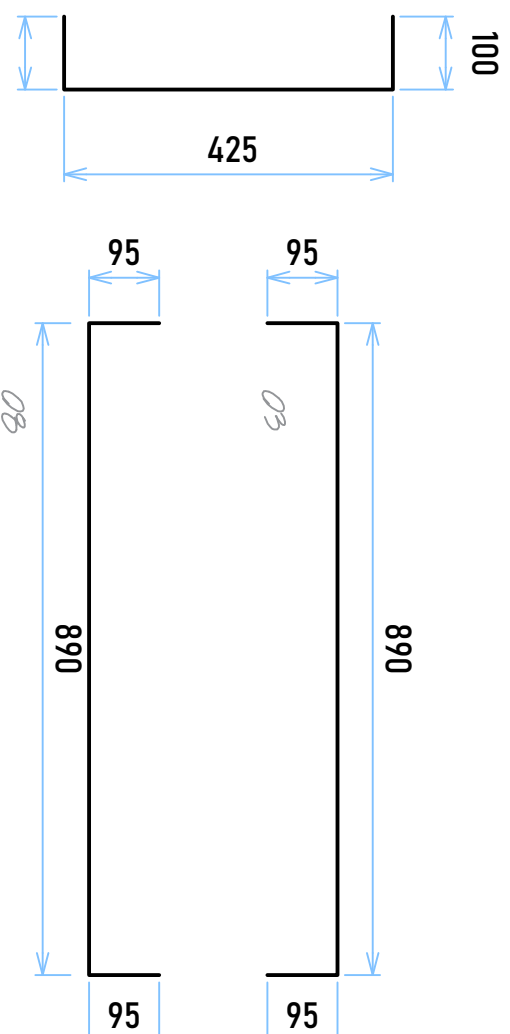
Designed by:	ENG. A.M.A
Drawn by:	ENG. A.M.A
Checked by:	ENG. R.A.M
Approved by:	
Date: <b>Sept 2021</b>	Scale:
Drawing No. <b>STR.DAS106</b>	Sheet: 02





GUTTER DETAIL  
(DIMENSIONS)

GUTTER DETAIL  
(REINFORCEMENTS)



# **NOTE:**

1. All dimensions are in mm unless otherwise specified
2. All discrepancies shall be referred to the structural engineer
3. Reinforced concrete shall be of grade 20 with  $f_{cu}=25N/mm^2$  at 28 days of age
4. Main reinforcements shall be high tensile steel with  $f_y = 460N/mm^2$
5. Nominal cover to the reinforcements:
  - a) Foundation 50mm
  - b) Column 25mm
  - c) Beam 25mm
  - d) Slab 25mm
6. For walls; use compressive blocks 4.5Mpa
7. Minimum soil bearing capacity is  $150kN/m^2$ ,
8. Use well seasoned pressure impregnated soft wood for roof truss

**President's Office, Regional Administration and Local Government, Government City - Mtumba, TAMISEMI Street, P.O.Box 1923, 41185 Dodoma.**

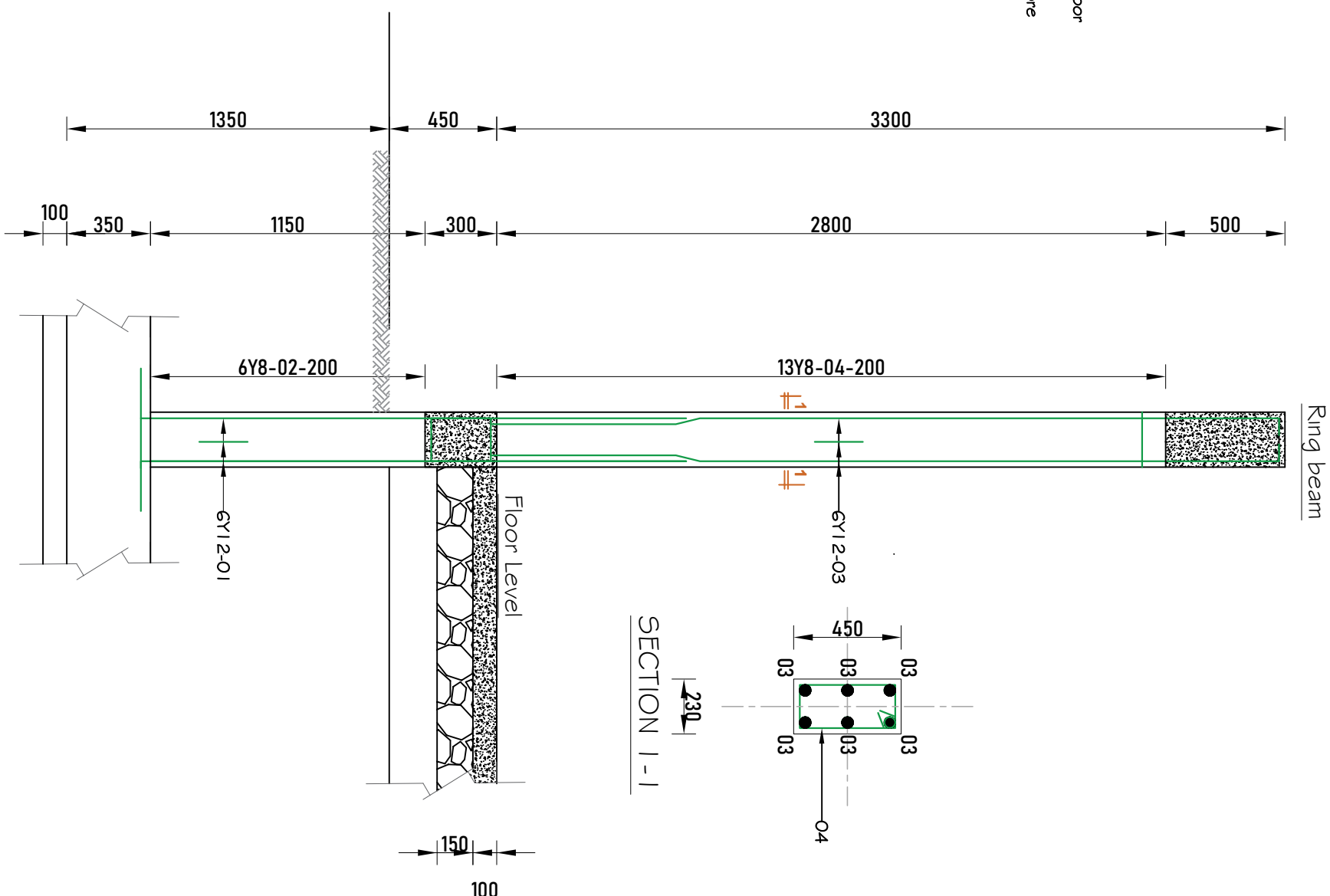
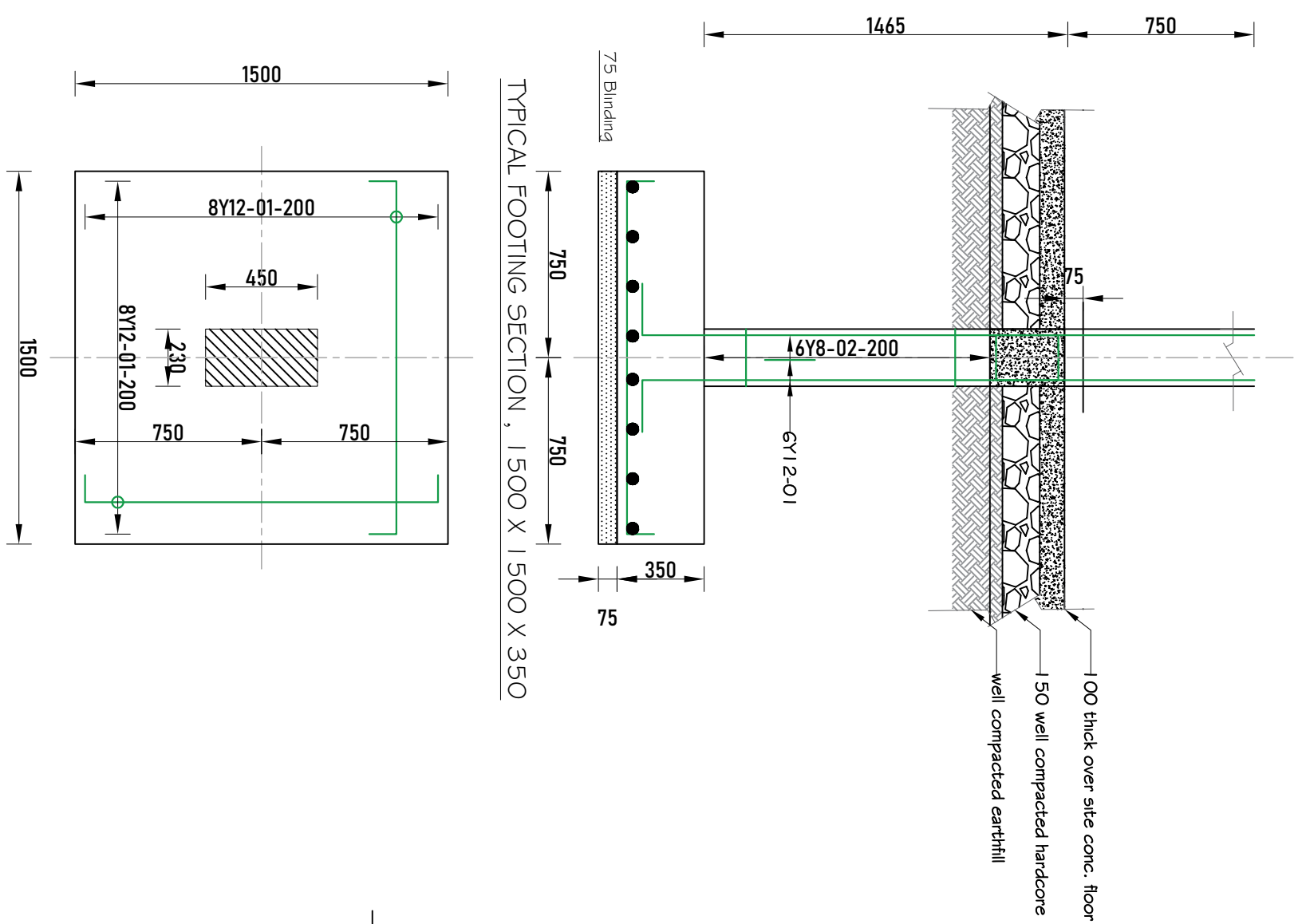
**CLIENT**

**REGIONAL ADMINISTRATIVE SECRETARY, TANZANIA MAIN LAND**

**PROJECT**  
PROPOSED RESIDENTIAL HOUSE FOR DISTRICT ADMINISTRATIVE SECRETARY (STANDARD DESIGN), TANZANIA MAINLAND

**DRAWING TITLE**  
GUTTER DETAILS

Designed by:	ENG. A.M.A
Drawn by:	ENG. A.M.A
Checked by:	ENG. R.A.M
Approved by:	
Date: <b>Sept2021</b>	Scale:
Drawing No. <b>STR.DAS107</b>	Sheet: 02



- ## NOTE:
1. All dimensions are in mm unless otherwise specified
  2. All discrepancies shall be referred to the structural engineer
  3. Reinforced concrete shall be of grade 20 with  $f_{cu}=25\text{N/mm}^2$  at 28 days of age
  4. Main reinforcements shall be high tensile steel with  $f_y = 460\text{N/mm}^2$
  5. Nominal cover to the reinforcements
    - a) Foundation 50mm
    - b) Column 25mm
    - c) Beam 25mm
    - d) Slab 25mm
  6. For walls, use compressive blocks
  - 4.5Mpa
  7. Minimum soil bearing capacity is  $150\text{kN/m}^2$ ,
  8. Use well seasoned pressure impregnated soft wood for roof truss

**President's Office, Regional  
Administration and Local Government,  
Government City - Mtumba,  
TAMISEMI Street,  
P.O.Box 1923,  
41185 Dodoma.**

**CLIENT**  
**REGIONAL ADMINISTRATIVE SECRETARIAT**  
**TANZANIA MAIN LAND**

**PROJECT**  
PROPOSED RESIDENTIAL HOUSE FOR  
DISTRICT ADMINISTRATIVE SECRETARY  
(STANDARD DESIGN),  
TANZANIA MAINLAND

**DRAWING TITLE**  
**COLUMN DETAILS**

Designed by:	ENG. A.A.MA
--------------	-------------

Drawn by:	ENG. A.M.A
-----------	------------

Approved by:	
--------------	--

Drawing No.	Object:
-------------	---------

STR.DAS108

## TYPICAL COLUMN DETAILS