PROJECT NAME:

PROPOSED DESIGN FOR WORKSHOP BUILDING FOR INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO. .... BLOCK .....

ARCHITECTURAL DRAWINGS

CLIENT:

INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

GENERAL NOTES

- -All dimensions are shown in mm unless otherwise specified
- -All dimensions and levels to be checked on site and on drawings, any desrepancy to be reported to the Architect before any work put in hand.
  -The drawing is the property of Architect. It is illegal to sell/transfer to another client.

No.	REVISION / ISSUE	DATE

PROJECT NAME:

PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "...." LD.....

CLIENT:

INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

DRAWING TITLE:

DESIGNED:	A.M	PHASE	
DRAWN BY:			
CHECKED BY:	B.D	DWG No.	
SCALE:			
DATE:	SEPT, 2024		

GENERAL NOTES

- -All dimensions are shown in mm unless otherwise specified
- -All dimensions and levels to be checked on site and on drawings, any desrepancy to be reported to the Architect before any work put in hand.

-The drawing is the property of Architect. It is illegal to sell/transfer to another client.

No.	REVISION / ISSUE	DATE

PROJECT NAME:

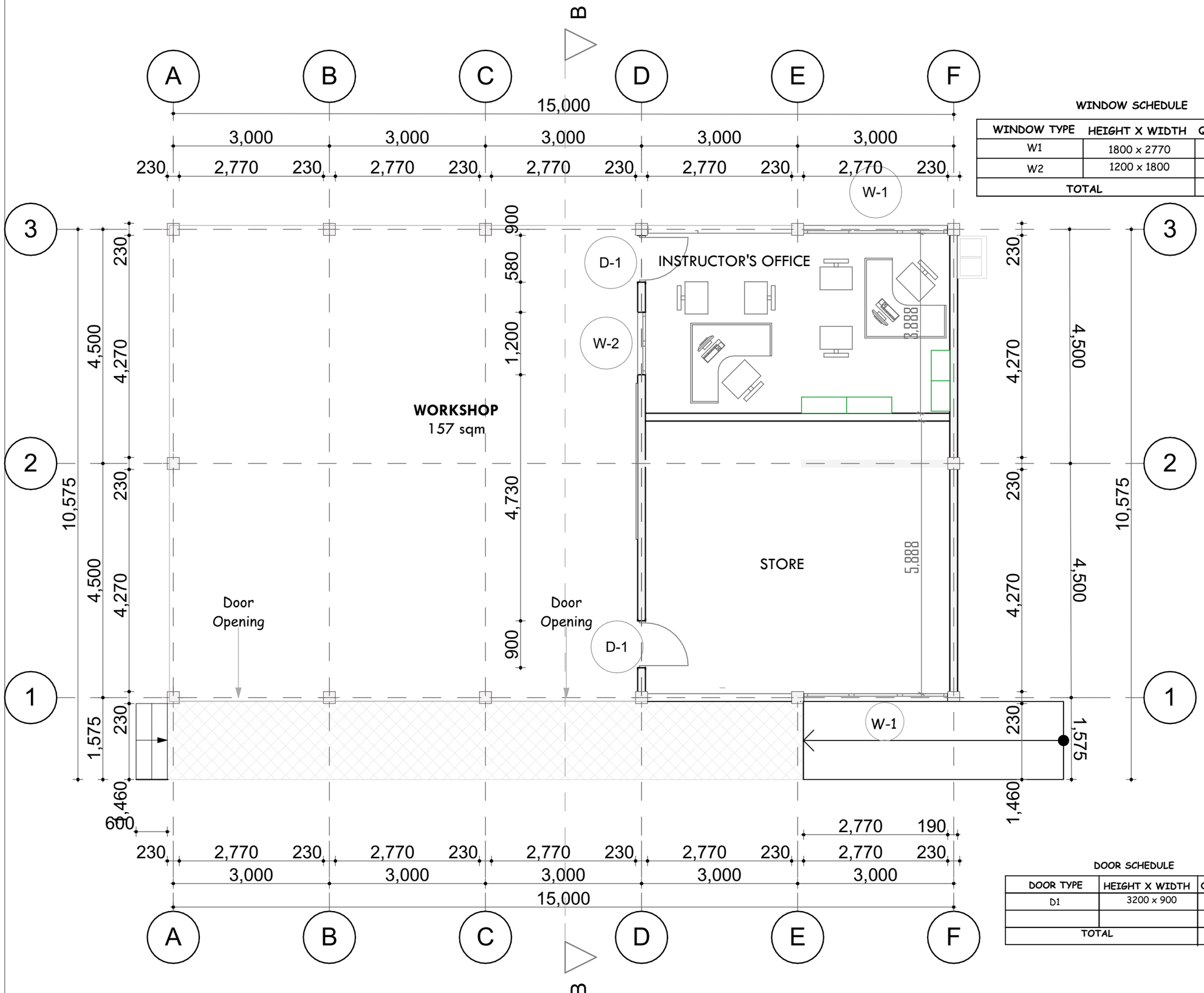
PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "...." LD.....

CLIENT:

INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

DRAWING TITLE:

DESIGNED:	A.M	PHASE
DRAWN BY:		
CHECKED BY:	B.D	DWG No.
SCALE:		
DATE:	SEPT. 2024	



WINDOW SCHEDULE

WINDOW TYPE	HEIGHT X WIDTH	QUANTITY (S)
W1	1800 x 2770	2
W2	1200 x 1800	1
TOTAL		3

DOOR SCHEDULE

DOOR TYPE	HEIGHT X WIDTH	QUANTITY (S)
D1	3200 x 900	2
TOTAL		2

GENERAL NOTES

- -All dimensions are shown in mm unless otherwise specified
- -All dimensions and levels to be checked on site and on drawings, any desrepancy to be reported to the Architect before any work put in hand.
- -The drawing is the property of Architect. It is illegal to sell/transfer to another client.

No.	REVISION / ISSUE	DATE

PROJECT NAME:

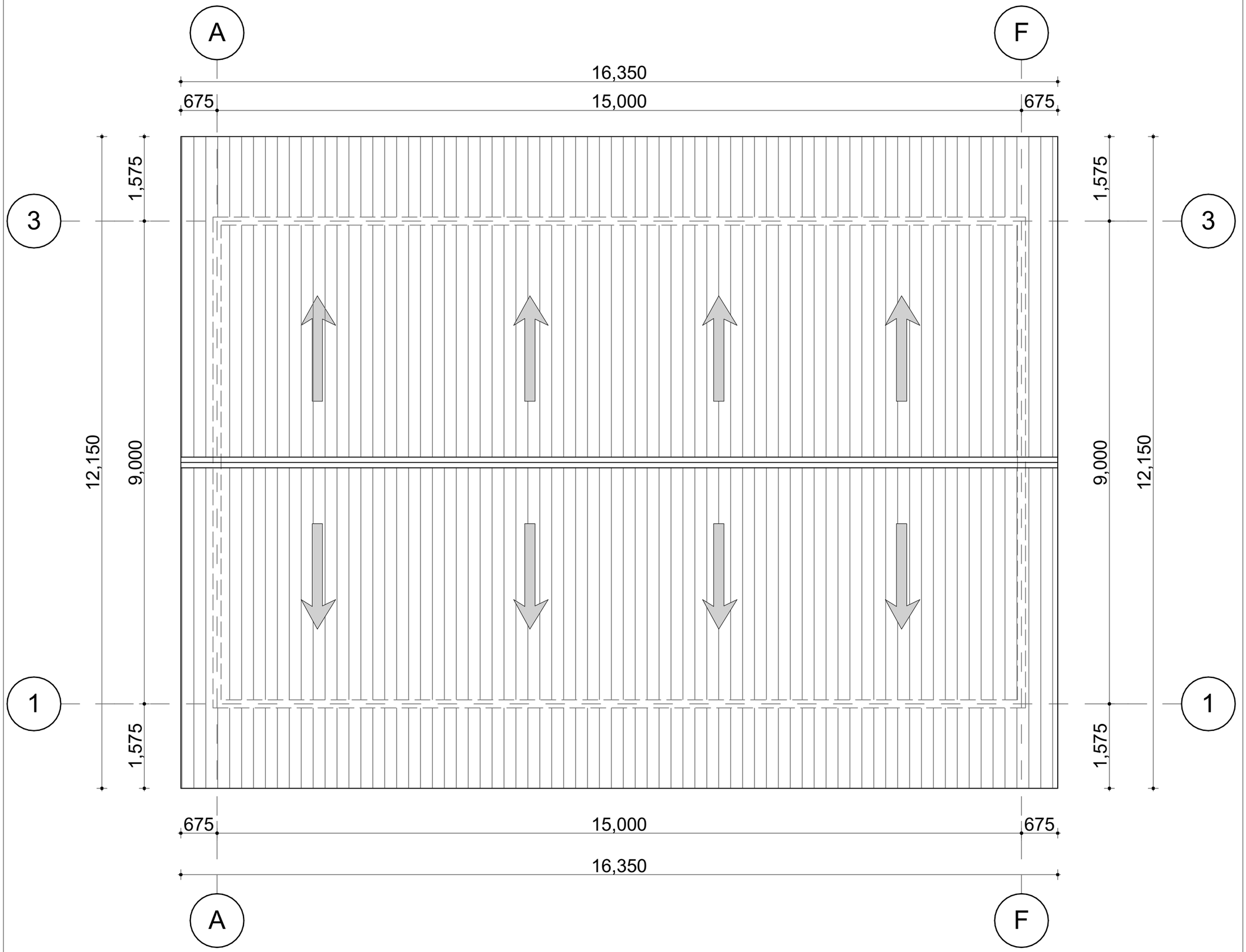
PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "...." LD.....

CLIENT:

INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

DRAWING TITLE:

DESIGNED:	A.M	PHASE	
DRAWN BY:			
CHECKED BY:	B.D	DWG No.	
SCALE:			
DATE:	SEPT. 2024		



GENERAL NOTES

- -All dimensions are shown in mm unless otherwise specified
- -All dimensions and levels to be checked on site and on drawings, any desrepancy to be reported to the Architect before any work put in hand.

-The drawing is the property of Architect. It is illegal to sell/transfer to another client.

No.	REVISION / ISSUE	DATE

PROJECT NAME:

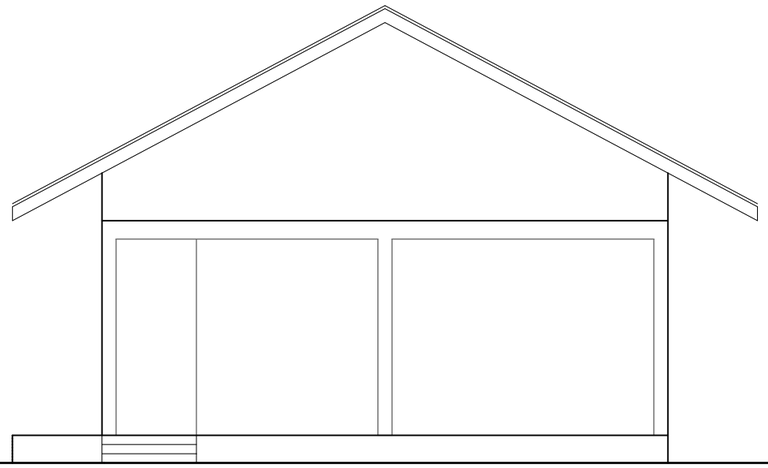
PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "...." LO.....

CLIENT:

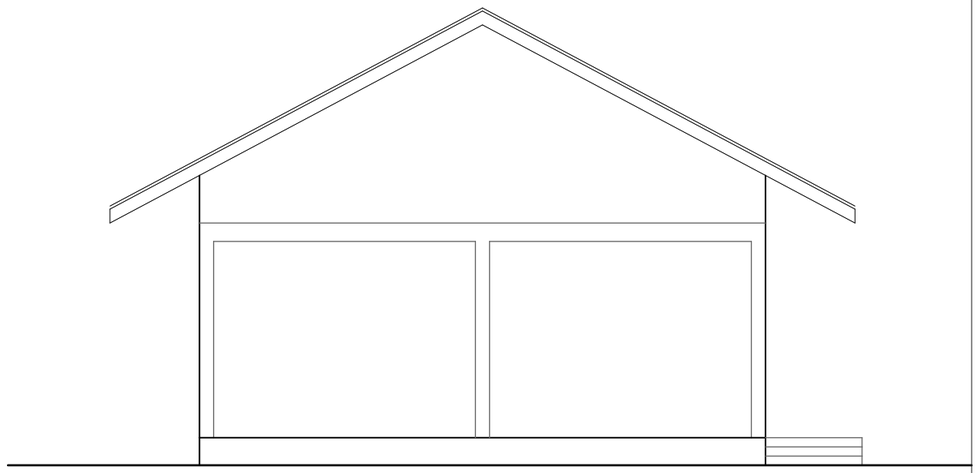
INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

DRAWING TITLE:

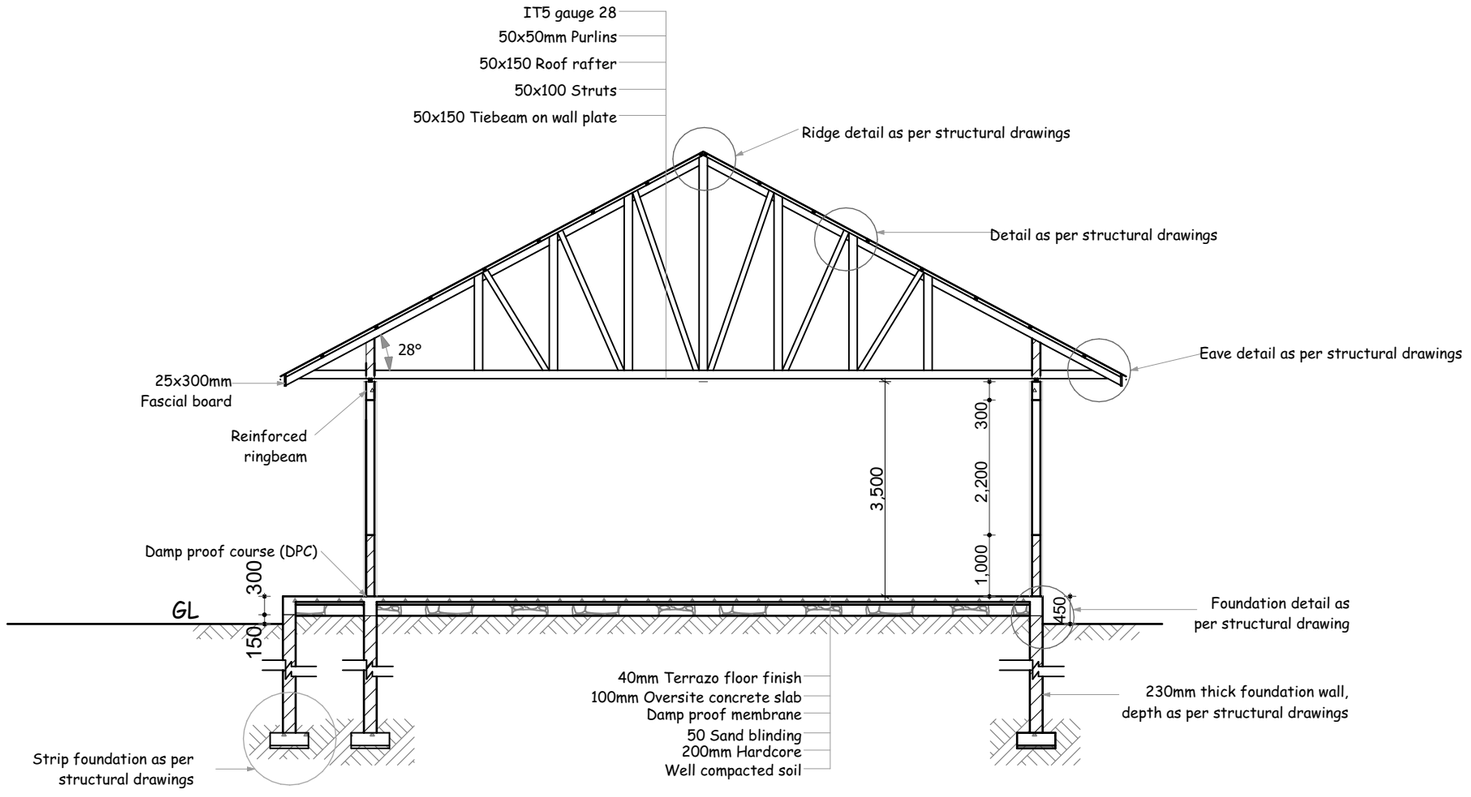
DESIGNED:	A.M	PHASE	
DRAWN BY:			
CHECKED BY:	B.D	DWG No.	
SCALE:			
DATE:	SEPT, 2024		



RIGHT ELEVATION



LEFT ELEVATION



SECTION B-B

GENERAL NOTES

- -All dimensions are shown in mm unless otherwise specified
- -All dimensions and levels to be checked on site and on drawings, any desrepancy to be reported to the Architect before any work put in hand.
  -The drawing is the property of Architect. It is illegal to sell/transfer to another client.

No.	REVISION / ISSUE	DATE

PROJECT NAME:

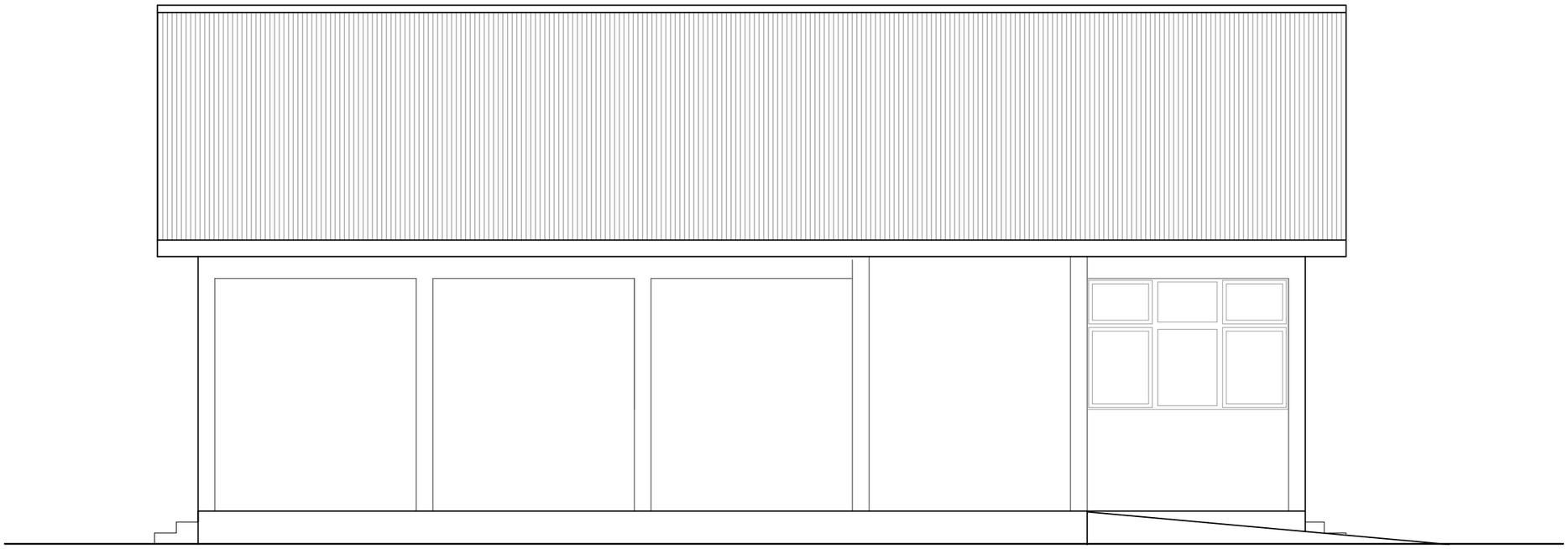
PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "...." LD.....

CLIENT:

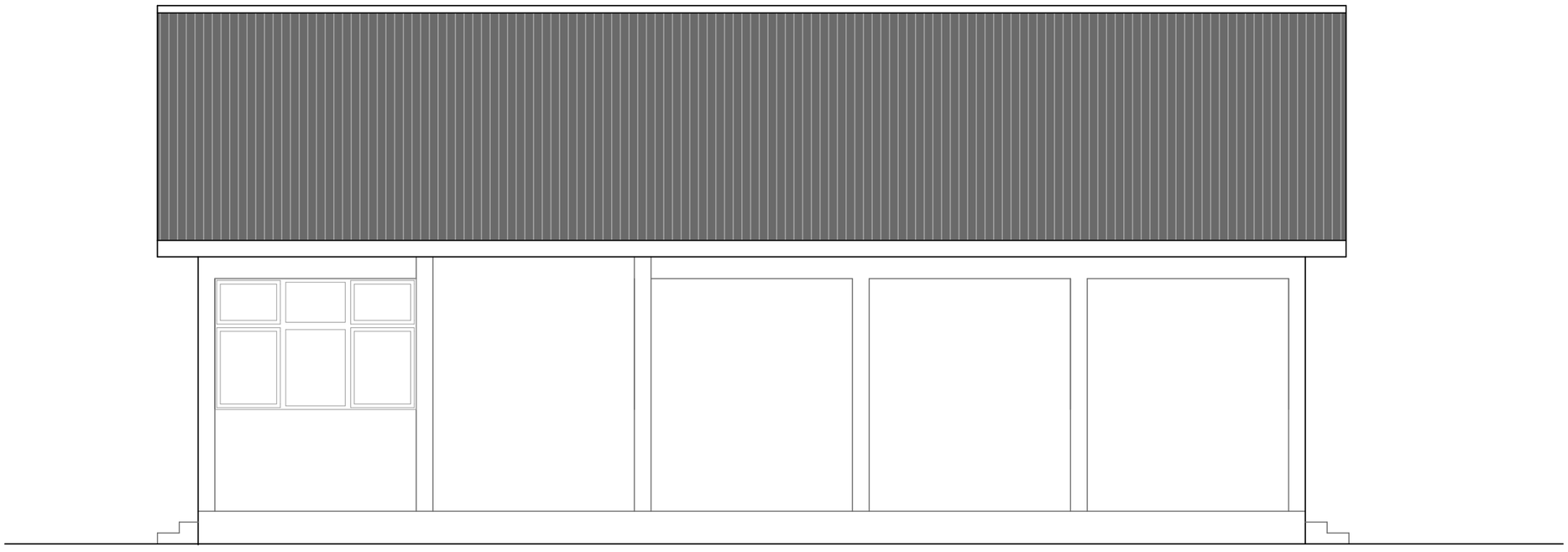
INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

DRAWING TITLE:

DESIGNED:	A.M	PHASE
DRAWN BY:		
CHECKED BY:	B.D	DWG No.
SCALE:		
DATE:	SEPT. 2024	



FRONT ELEVATION



REAR ELEVATION

GENERAL NOTES

- -All dimensions are shown in mm unless otherwise specified
- -All dimensions and levels to be checked on site and on drawings, any desrepancy to be reported to the Architect before any work put in hand.

-The drawing is the property of Architect. It is illegal to sell/transfer to another client.

No.	REVISION / ISSUE	DATE

PROJECT NAME:

PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "...." LO.....

CLIENT:

INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

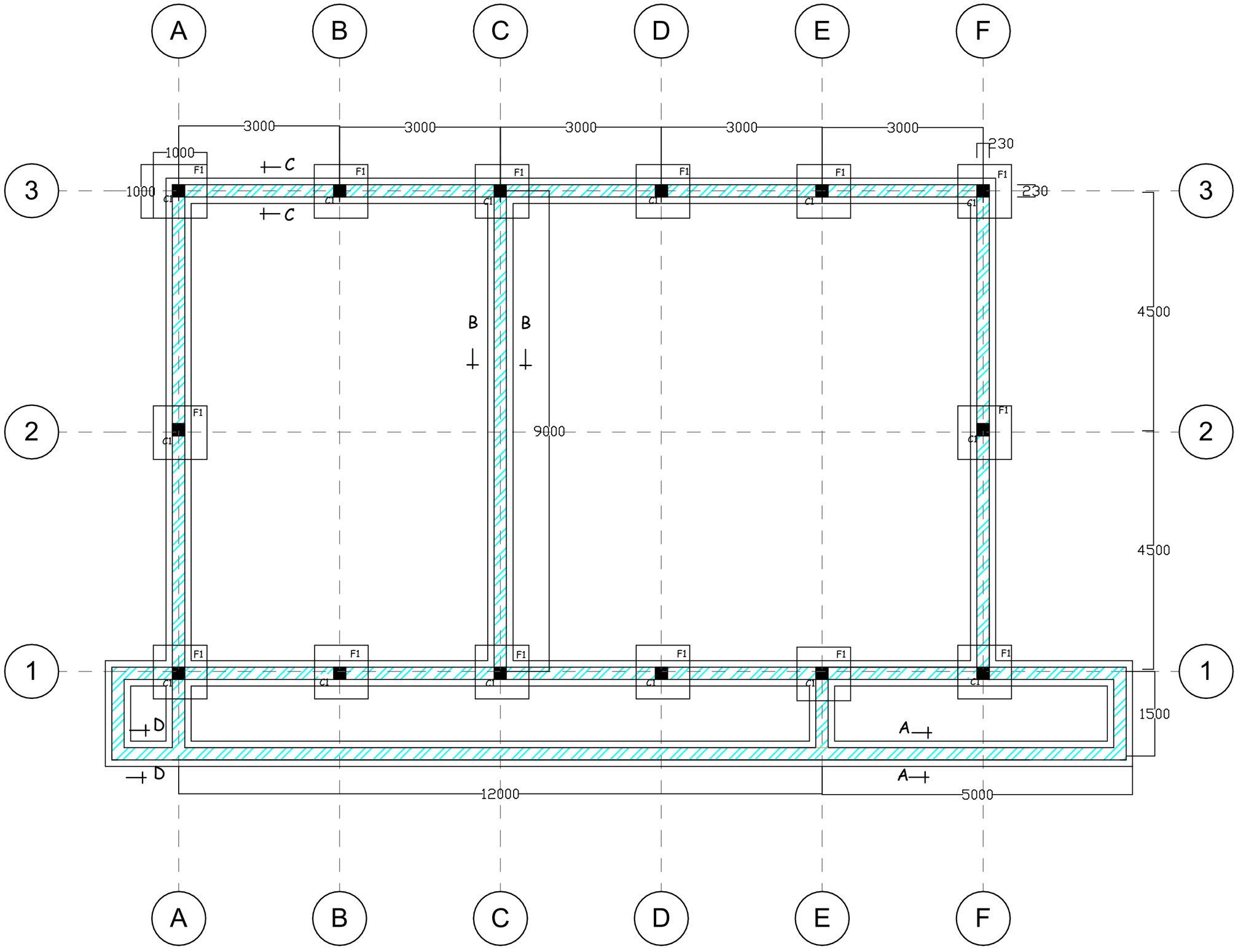
DRAWING TITLE:

DESIGNED:	A.M	PHASE
DRAWN BY:		
CHECKED BY:	B.D	DWG No.
SCALE:		
DATE:	SEPT. 2024	

STRUCTURAL DRAWINGS

FOR

WORKSHOP



FOUNDATION LAYOUT PLAN

NOTE:

1. All dimensions are in mm unless otherwise stated. In case of discrepancy, consult Structural Engineer.
2. All structural engineering drawings should be read in conjunction with relevant architectural drawings.
3. All Reinforced concrete shall be grade 20 - Nominal volumetric proportion 1:2:4 cube strength not less than 20N/mm² at 28 days.
4. Steel for reinforced concrete shall comply with BS 4449 where by fy = 460N/mm²
5. Bars lap length should be atleast 50 times the diameter of the bars lapped.
6. Structural Engineer shall be furnished with copies of the manufacturers certificates of tests for the steel reinforcement to be used.
7. Cement for works shall comply with BS 12 and shall be "Ordinary Portland Cement"
8. Clear cover for reinforcements shall be as follows:
   - Slab..... 25mm
   - Beam..... 25mm
   - Column..... 25mm
   - Footing..... 50mm
9. All concrete work to be done in one operation.
10. All steel fixing, shuttering and concreting works to be done under close supervision os Structural Engineer.
11. Sand borrow pits shall be clean and free from organic materials and shall be approved by Structural Engineer before use.
12. Minimum Compressive strength for Blocks shall be 3.5Mpa

PROJECT:

PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "...." LD.....

CLIENT:

INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

Designed by: Eng. A.M

Approved by:

DRAWING TITLE:

FOUNDATION LAYOUT PLAN

DRAWING USE:

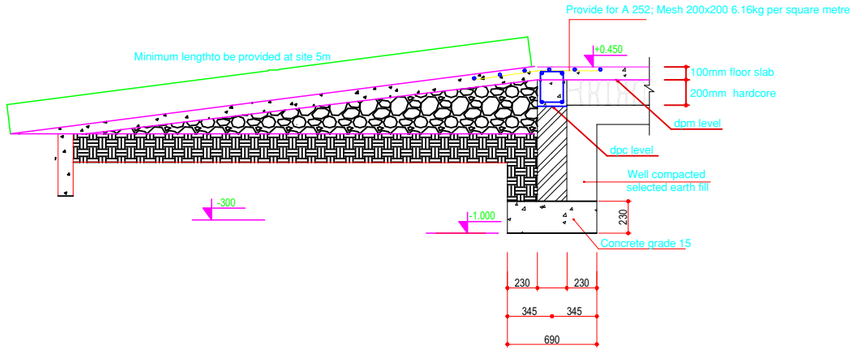
For Building permit: ☐

For Construction: ☑

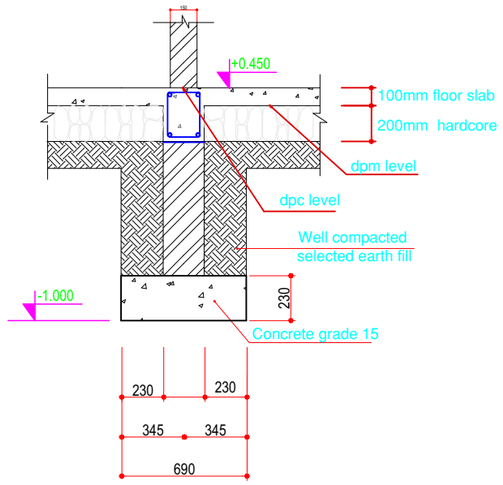
Drawn by: Eng. A.M

Date: Sept, 2024	Scale:
Drawing: STR.CR	Sheet:

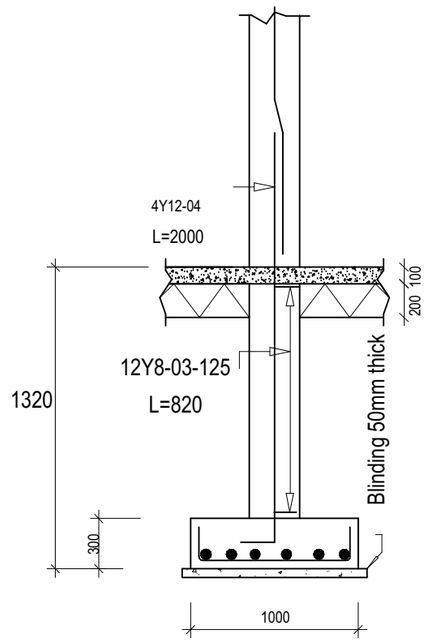
FOUNDATION SECTION DETAILS

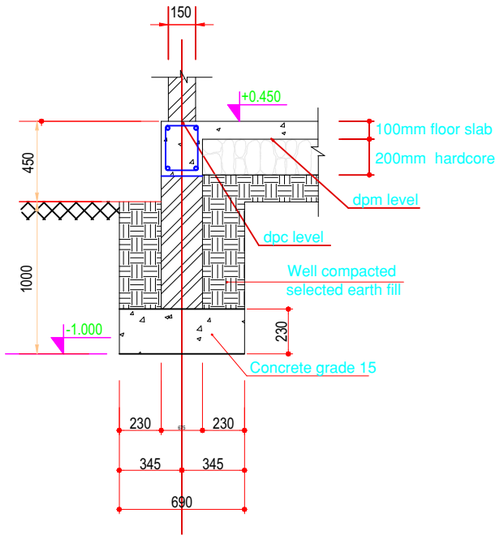


Section A - A: Ramp Details

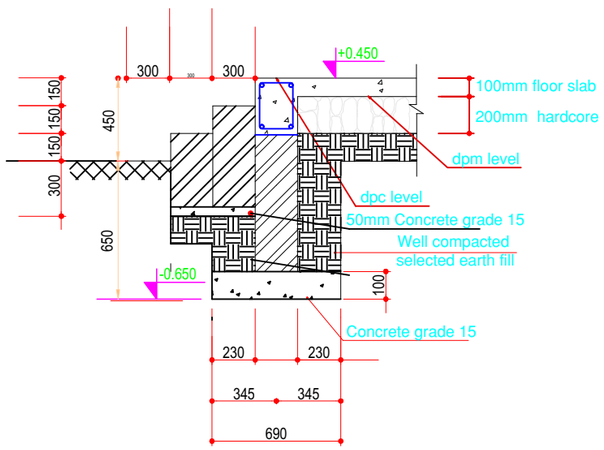


Section B- B

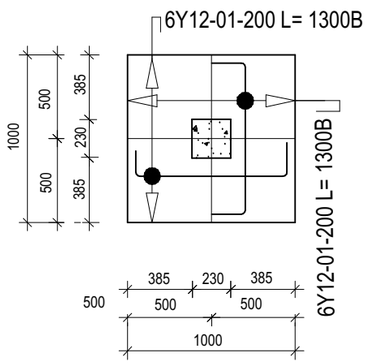




Section C- C



Section D- D



FOOTING F1 (1000x1000x300) 14 Nos

NOTE:

1. All dimensions are in mm unless otherwise stated. In case of discrepancy, consult Structural Engineer.
2. All structural engineering drawings should be read in conjunction with relevant architectural drawings.
3. All Reinforced concrete shall be grade 20 - Nominal volumetric proportion 1:2:4 cube strength not less than 20N/mm² at 28 days.
4. Steel for reinforced concrete shall comply with BS 4449 where by fy = 460N/mm²
5. Bars lap length should be atleast 50 times the diameter of the bars lapped.
6. Structural Engineer shall be furnished with copies of the manufacturers certificates of tests for the steel reinforcement to be used.
7. Cement for works shall comply with BS 12 and shall be "Ordinary Portland Cement"
8. Clear cover for reinforcements shall be as follows:
   - Slab..... 25mm
   - Beam..... 25mm
   - Column..... 25mm
   - Footing..... 50mm
9. All concrete work to be done in one operation.
10. All steel fixing, shuttering and concreting works to be done under close supervision os Structural Engineer.
11. Sand borrow pits shall be clean and free from organic materials and shall be approved by Structural Engineer before use.
12. Minimum Compressive strength for Blocks shall be 3.5Mpa

PROJECT:

PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "...." LD.....

CLIENT:

INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

Designed by: Eng. A.M

Approved by:

DRAWING TITLE:

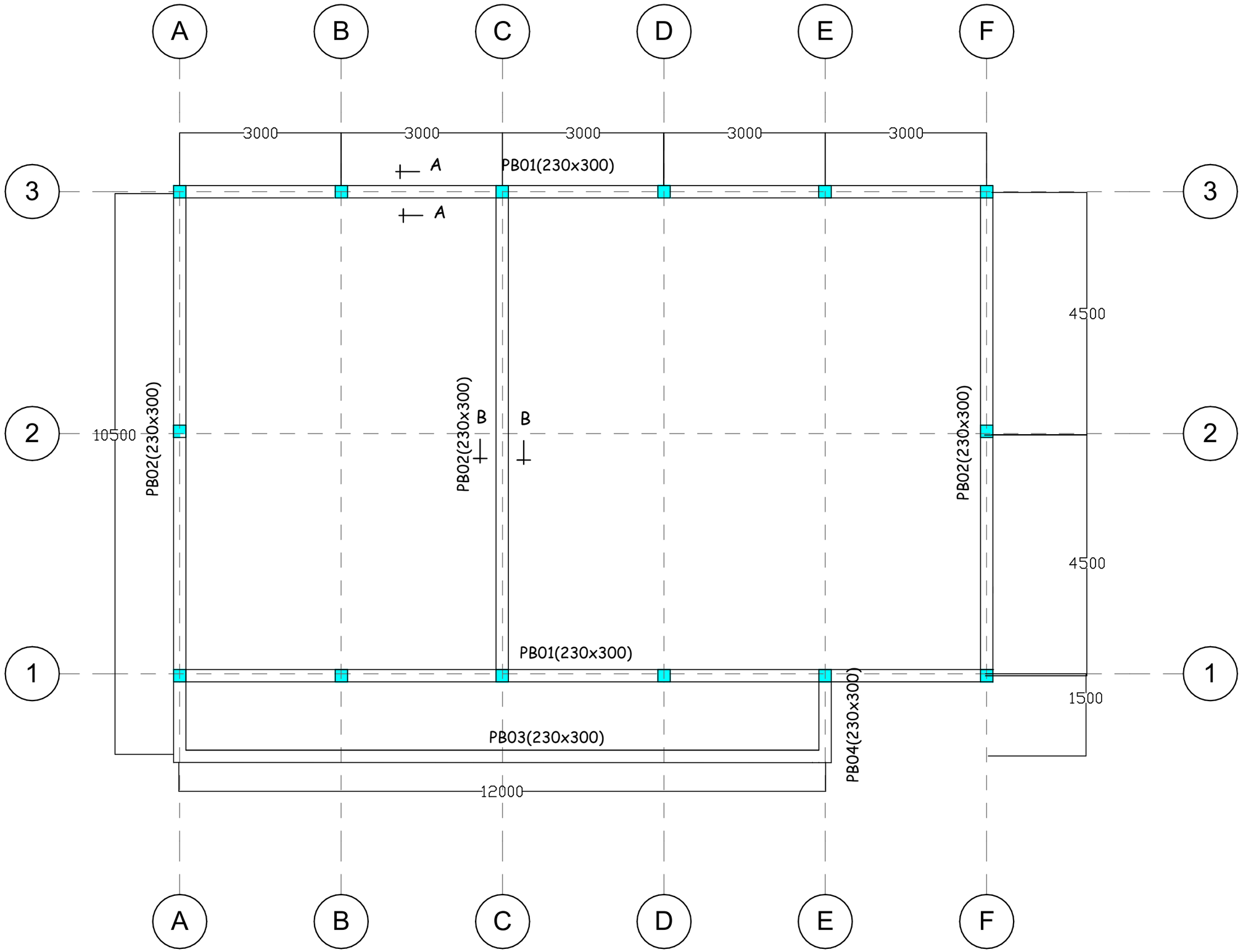
DRAWING USE:

For Building permit: ☐

For Construction: ☑

Drawn by: Eng. A.M

Date: Sept. 2024	Scale:
Drawing: STR.CR	Sheet:



PLINTH BEAM LAYOUT PLAN

NOTE:

1. All dimensions are in mm unless otherwise stated. In case of discrepancy, consult Structural Engineer.
2. All structural engineering drawings should be read in conjunction with relevant architectural drawings.
3. All Reinforced concrete shall be grade 20 - Nominal volumetric proportion 1:2:4 cube strength not less than 20N/mm² at 28 days.
4. Steel for reinforced concrete shall comply with BS 4449 where by fy = 460N/mm²
5. Bars lap length should be atleast 50 times the diameter of the bars lapped.
6. Structural Engineer shall be furnished with copies of the manufacturers certificates of tests for the steel reinforcement to be used.
7. Cement for works shall comply with BS 12 and shall be "Ordinary Portland Cement"
8. Clear cover for reinforcements shall be as follows:
   - Slab..... 25mm
   - Beam..... 25mm
   - Column..... 25mm
   - Footing..... 50mm
9. All concrete work to be done in one operation.
10. All steel fixing, shuttering and concreting works to be done under close supervision os Structural Engineer.
11. Sand borrow pits shall be clean and free from organic materials and shall be approved by Structural Engineer before use.
12. Minimum Compressive strength for Blocks shall be 3.5Mpa

PROJECT:

PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "...." LD.....

CLIENT:

INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

Designed by: Eng. A.M

Approved by:

DRAWING TITLE:

DRAWING USE:

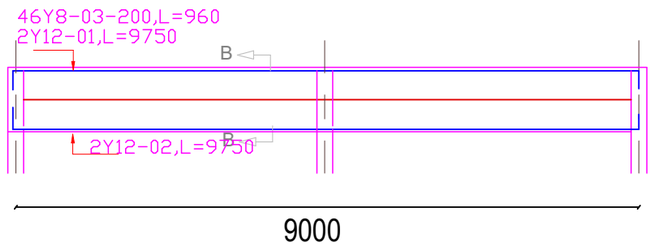
For Building permit: ☐

For Construction: ☑

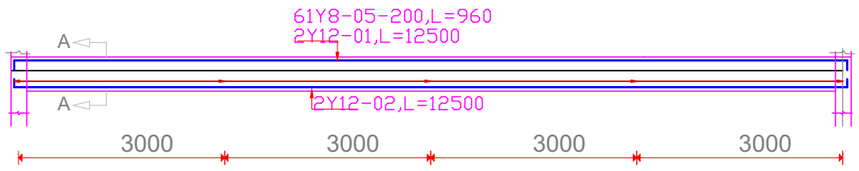
Drawn by: Eng. A.M

Date: Sept, 2024	Scale:
Drawing: STR.CR	Sheet:

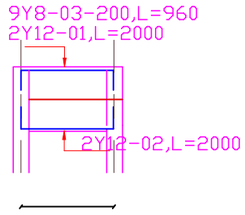
PLINTH BEAM PB01 (230x300mm)
2Nos



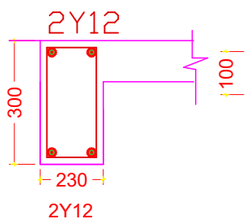
PLINTH BEAM PB02 (230x300mm)
3Nos



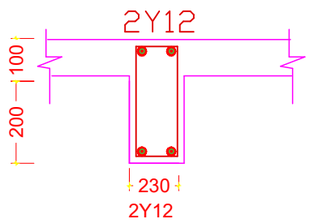
PLINTH BEAM PB03 (230x300mm)
1Nos



PLINTH BEAM PB04 (230x300mm)
2Nos



SECTION A-A



SECTION B-B

NOTE:

1. All dimensions are in mm unless otherwise stated. In case of discrepancy, consult Structural Engineer.
2. All structural engineering drawings should be read in conjunction with relevant architectural drawings.
3. All Reinforced concrete shall be grade 20 - Nominal volumetric proportion 1:2:4 cube strength not less than 20N/mm² at 28 days.
4. Steel for reinforced concrete shall comply with BS 4449 where by fy = 460N/mm²
5. Bars lap length should be atleast 50 times the diameter of the bars lapped.
6. Structural Engineer shall be furnished with copies of the manufacturers certificates of tests for the steel reinforcement to be used.
7. Cement for works shall comply with BS 12 and shall be "Ordinary Portland Cement"
8. Clear cover for reinforcements shall be as follows:
   - Slab..... 25mm
   - Beam..... 25mm
   - Column..... 25mm
   - Footing..... 50mm
9. All concrete work to be done in one operation.
10. All steel fixing, shuttering and concreting works to be done under close supervision os Structural Engineer.
11. Sand borrow pits shall be clean and free from organic materials and shall be approved by Structural Engineer before use.
12. Minimum Compressive strength for Blocks shall be 3.5Mpa

PROJECT:

PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "...." LD.....

CLIENT:

INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

Designed by: Eng. A.M

Approved by:

DRAWING TITLE:

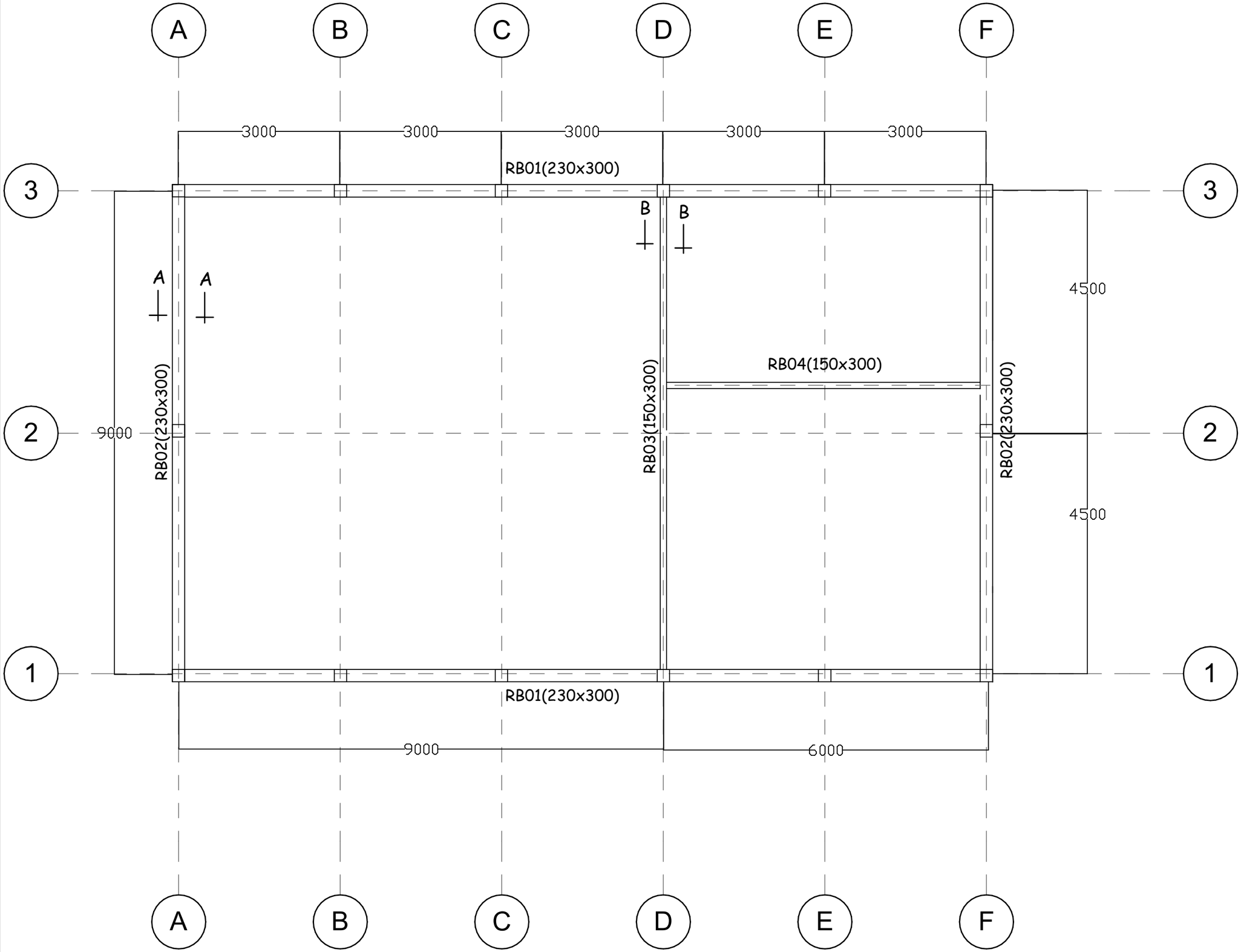
DRAWING USE:

For Building permit: ☐

For Construction: ☑

Drawn by: Eng. A.M

Date: Sept, 2024	Scale:
Drawing: STR.CR	Sheet:



RING BEAM LAYOUT PLAN

NOTE:

1. All dimensions are in mm unless otherwise stated. In case of discrepancy, consult Structural Engineer.
2. All structural engineering drawings should be read in conjunction with relevant architectural drawings.
3. All Reinforced concrete shall be grade 20 - Nominal volumetric proportion 1:2:4 cube strength not less than 20N/mm² at 28 days.
4. Steel for reinforced concrete shall comply with BS 4449 where by fy = 460N/mm²
5. Bars lap length should be atleast 50 times the diameter of the bars lapped.
6. Structural Engineer shall be furnished with copies of the manufacturers certificates of tests for the steel reinforcement to be used.
7. Cement for works shall comply with BS 12 and shall be "Ordinary Portland Cement"
8. Clear cover for reinforcements shall be as follows:
   - Slab..... 25mm
   - Beam..... 25mm
   - Column..... 25mm
   - Footing..... 50mm
9. All concrete work to be done in one operation.
10. All steel fixing, shuttering and concreting works to be done under close supervision os Structural Engineer.
11. Sand borrow pits shall be clean and free from organic materials and shall be approved by Structural Engineer before use.
12. Minimum Compressive strength for Blocks shall be 3.5Mpa

PROJECT:

PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "...." LD.....

CLIENT:

INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

Designed by: Eng. A.M

Approved by:

DRAWING TITLE:

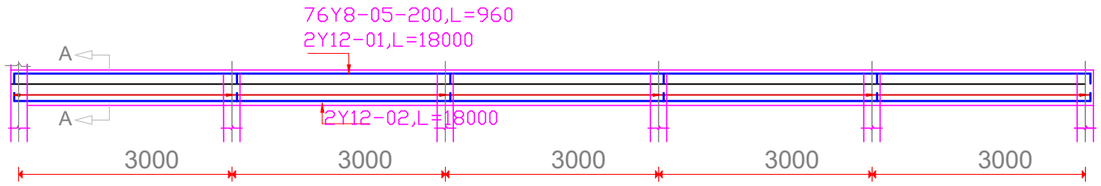
DRAWING USE:

For Building permit: ☐

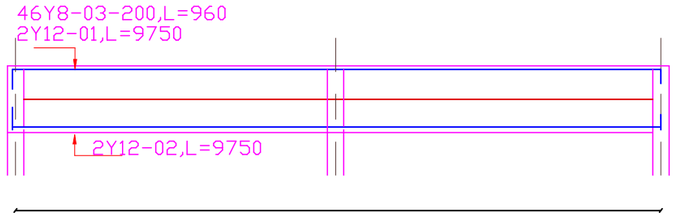
For Construction: ☑

Drawn by: Eng. A.M

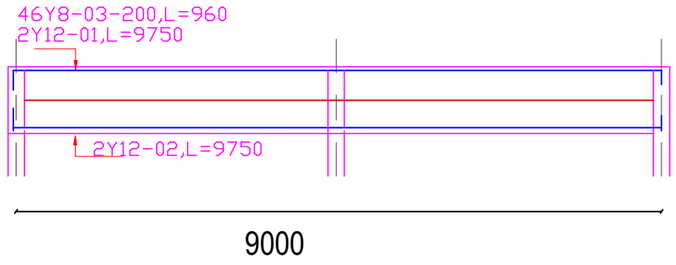
Date: Sept, 2024	Scale:
Drawing: STR.CR	Sheet:



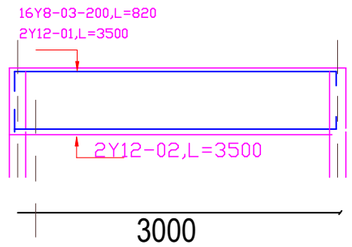
RING BEAM RB01 (230x300mm) 2Nos



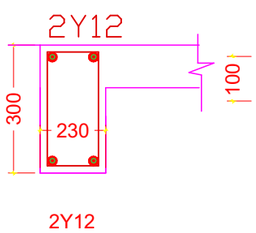
RING BEAM RB02 (230x300mm) 2Nos



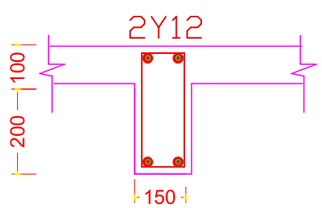
RING BEAM RB03 (150x300mm) 1Nos



RING BEAM RB04 (150x300mm) 1Nos



SECTION A-A



SECTION B-B

NOTE:

1. All dimensions are in mm unless otherwise stated. In case of discrepancy, consult Structural Engineer.
2. All structural engineering drawings should be read in conjunction with relevant architectural drawings.
3. All Reinforced concrete shall be grade 20 - Nominal volumetric proportion 1:2:4 cube strength not less than 20N/mm² at 28 days.
4. Steel for reinforced concrete shall comply with BS 4449 where by fy = 460N/mm²
5. Bars lap length should be atleast 50 times the diameter of the bars lapped.
6. Structural Engineer shall be furnished with copies of the manufacturers certificates of tests for the steel reinforcement to be used.
7. Cement for works shall comply with BS 12 and shall be "Ordinary Portland Cement"
8. Clear cover for reinforcements shall be as follows:
   - Slab..... 25mm
   - Beam..... 25mm
   - Column..... 25mm
   - Footing..... 50mm
9. All concrete work to be done in one operation.
10. All steel fixing, shuttering and concreting works to be done under close supervision os Structural Engineer.
11. Sand borrow pits shall be clean and free from organic materials and shall be approved by Structural Engineer before use.
12. Minimum Compressive strength for Blocks shall be 3.5Mpa

PROJECT:

PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "...." LO.....

CLIENT:

INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

Designed by: Eng. A.M

Approved by:

DRAWING TITLE:

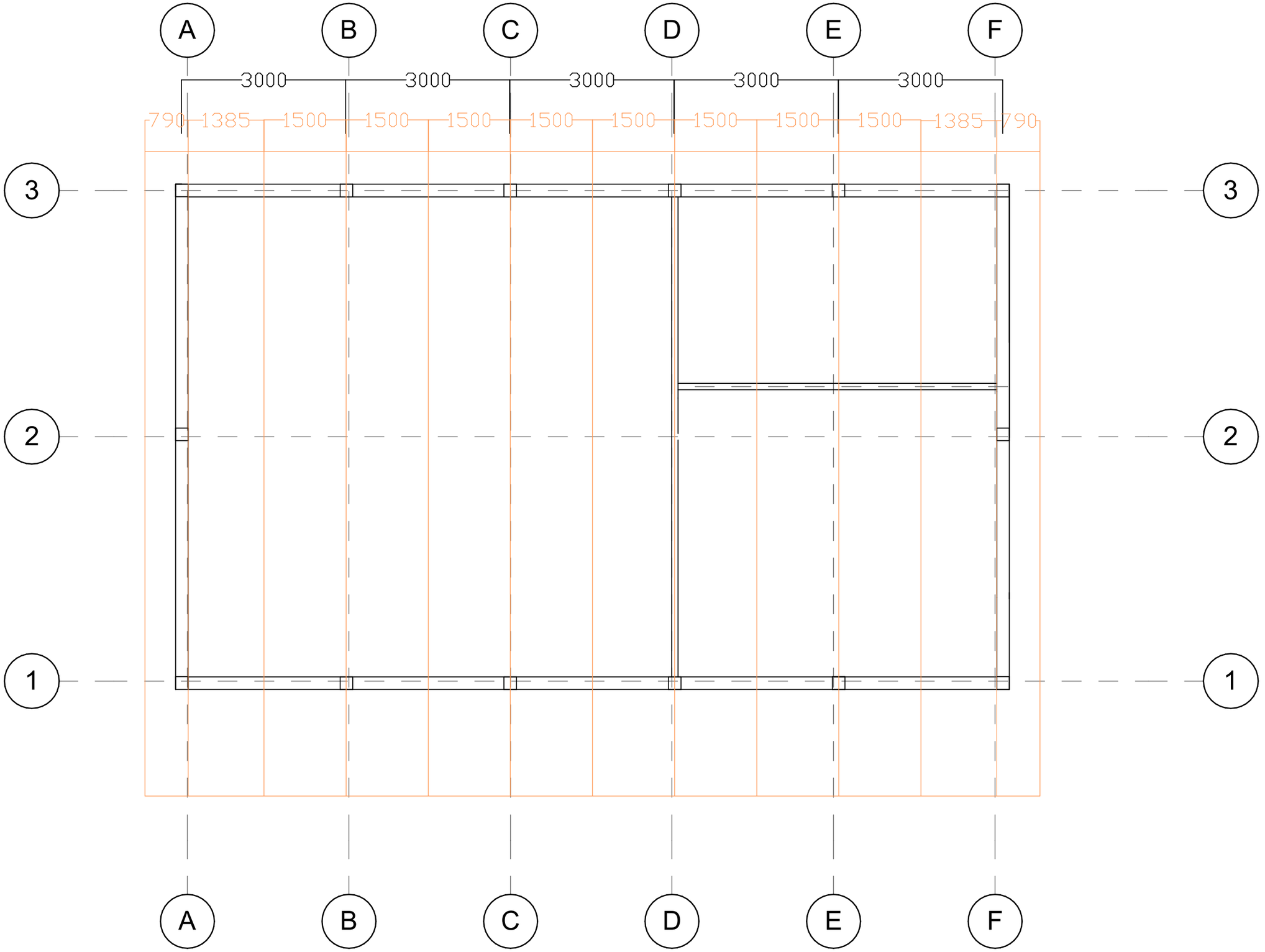
DRAWING USE:

For Building permit: ☐

For Construction: ☑

Drawn by: Eng. A.M

Date: Sept, 2024	Scale:
Drawing: STR.CR	Sheet:



ROOF TRUSS LAYOUT PLAN

NOTE:

1. All dimensions are in mm unless otherwise stated. In case of discrepancy, consult Structural Engineer.
2. All structural engineering drawings should be read in conjunction with relevant architectural drawings.
3. All Reinforced concrete shall be grade 20 - Nominal volumetric proportion 1:2:4 cube strength not less than 20N/mm² at 28 days.
4. Steel for reinforced concrete shall comply with BS 4449 where by fy = 460N/mm²
5. Bars lap length should be atleast 50 times the diameter of the bars lapped.
6. Structural Engineer shall be furnished with copies of the manufacturers certificates of tests for the steel reinforcement to be used.
7. Cement for works shall comply with BS 12 and shall be "Ordinary Portland Cement"
8. Clear cover for reinforcements shall be as follows:
   - Slab..... 25mm
   - Beam..... 25mm
   - Column..... 25mm
   - Footing..... 50mm
9. All concrete work to be done in one operation.
10. All steel fixing, shuttering and concreting works to be done under close supervision os Structural Engineer.
11. Sand borrow pits shall be clean and free from organic materials and shall be approved by Structural Engineer before use.
12. Minimum Compressive strength for Blocks shall be 3.5Mpa

PROJECT:

PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "...." LD.....

CLIENT:

INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

Designed by: Eng. A.M

Approved by:

DRAWING TITLE:

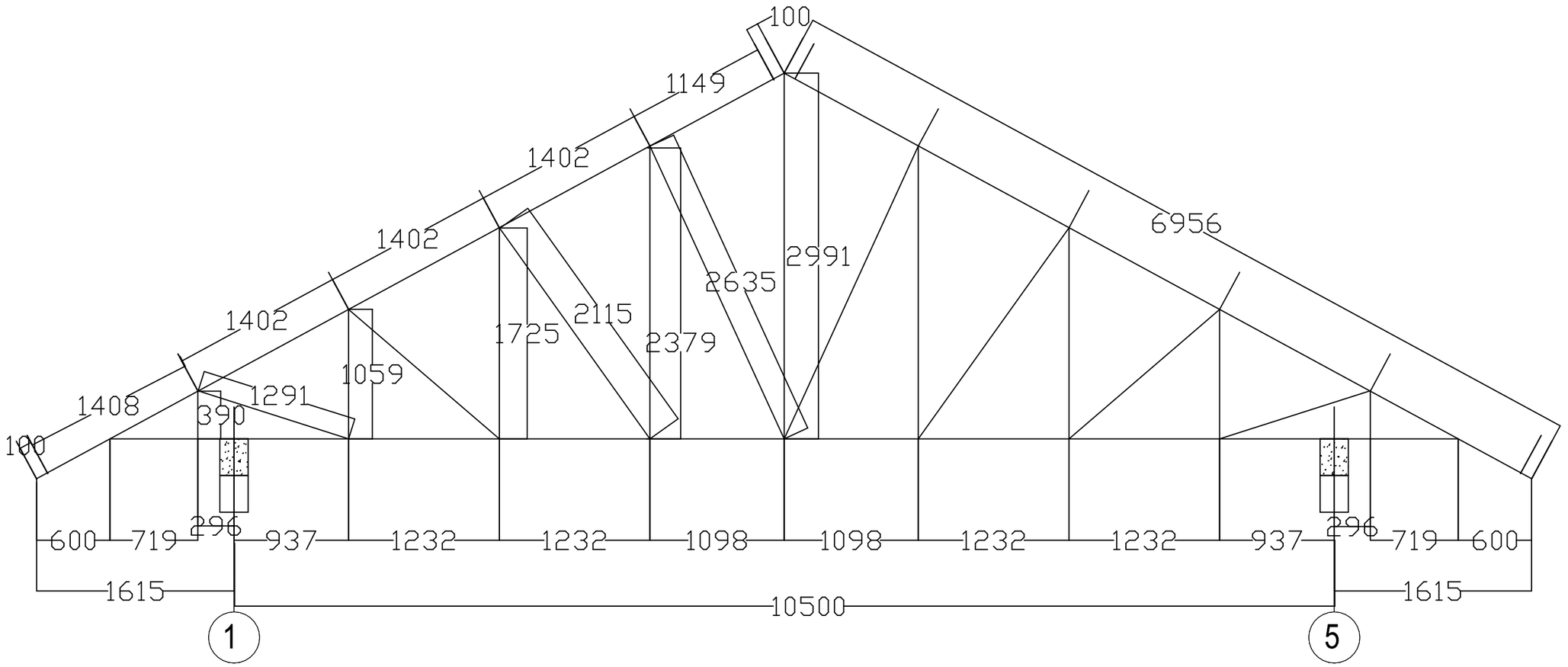
DRAWING USE:

For Building permit: ☐

For Construction: ☑

Drawn by: Eng. A.M

Date: Sept. 2024	Scale:
Drawing: STR.CR	Sheet:



ROOF TRUSS T01; 11Nos.

Scale 1:100

NOTE:

1. All dimensions are in mm unless otherwise stated. In case of discrepancy, consult Structural Engineer.
2. All structural engineering drawings should be read in conjunction with relevant architectural drawings.
3. All Reinforced concrete shall be grade 20 - Nominal volumetric proportion 1:2:4 cube strength not less than 20N/mm² at 28 days.
4. Steel for reinforced concrete shall comply with BS 4449 where by fy = 460N/mm²
5. Bars lap length should be atleast 50 times the diameter of the bars lapped.
6. Structural Engineer shall be furnished with copies of the manufacturers certificates of tests for the steel reinforcement to be used.
7. Cement for works shall comply with BS 12 and shall be "Ordinary Portland Cement"
8. Clear cover for reinforcements shall be as follows:
   - Slab..... 25mm
   - Beam..... 25mm
   - Column..... 25mm
   - Footing..... 50mm
9. All concrete work to be done in one operation.
10. All steel fixing, shuttering and concreting works to be done under close supervision os Structural Engineer.
11. Sand borrow pits shall be clean and free from organic materials and shall be approved by Structural Engineer before use.
12. Minimum Compressive strength for Blocks shall be 3.5Mpa

PROJECT:

PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "...." LD.....

CLIENT:

INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

Designed by: Eng. A.M

Approved by:

DRAWING TITLE:

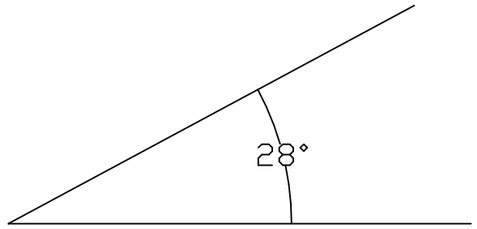
DRAWING USE:

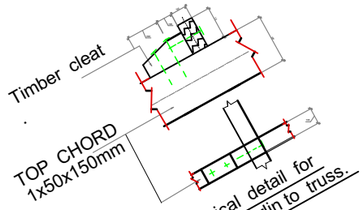
For Building permit: ☐

For Construction: ☑

Drawn by: Eng. A.M

Date: Sept. 2024	Scale:
Drawing: STR.CR	Sheet:

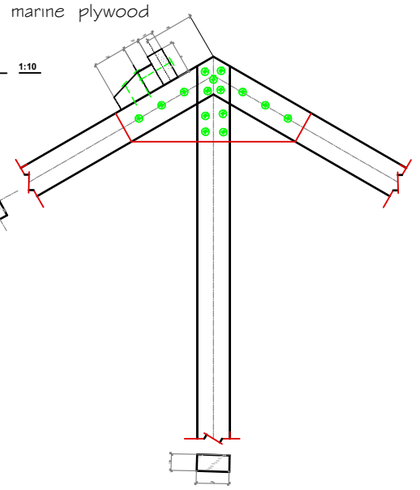




Typical detail for fixing purlin to truss.

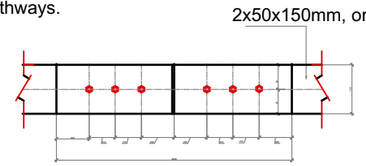
100 mm Long nail 15NOS
GUSSETS-2NOS -25mm. marine plywood
bothsides.

Detail - 3' 1:10

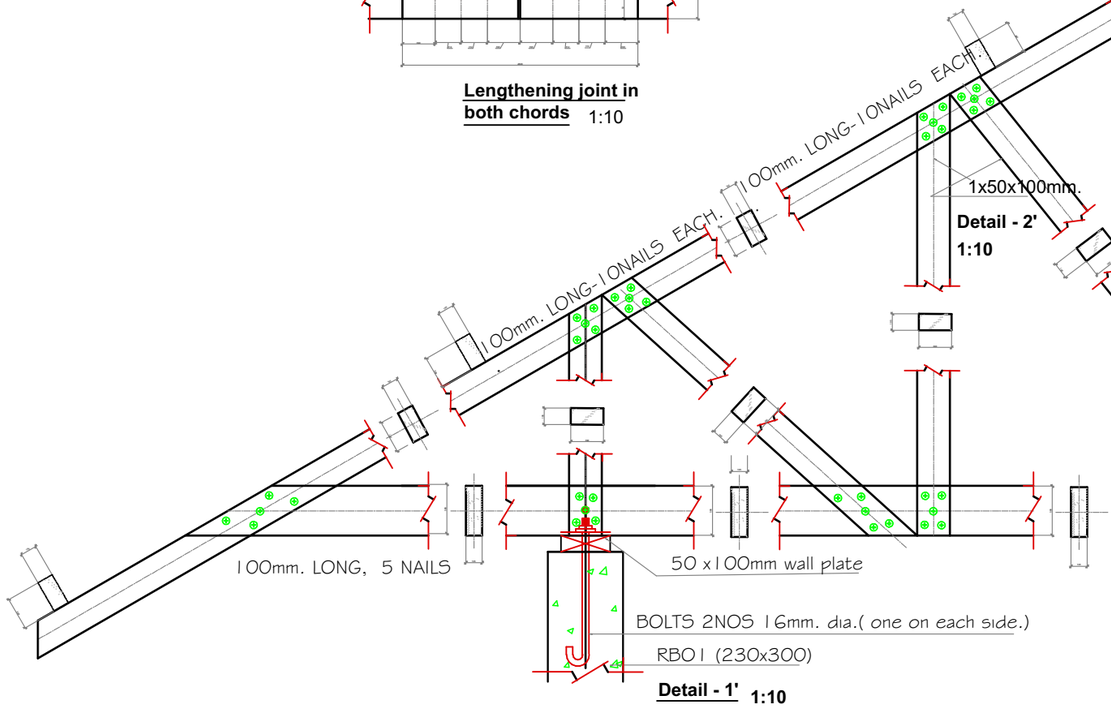


100mm long nails 6 Nos.
GUSSETS-2NOS -25 mm. marine plywood
bothways.

2x50x150mm, or 1x50x150mm.

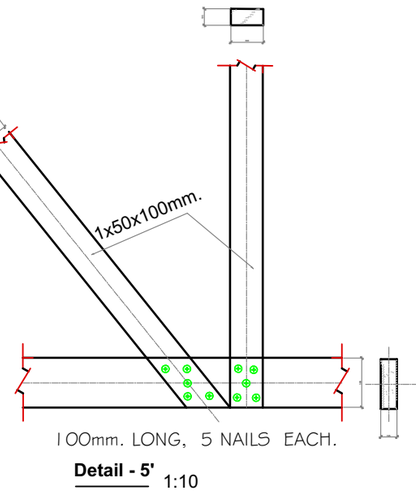


Lengthening joint in both chords 1:10

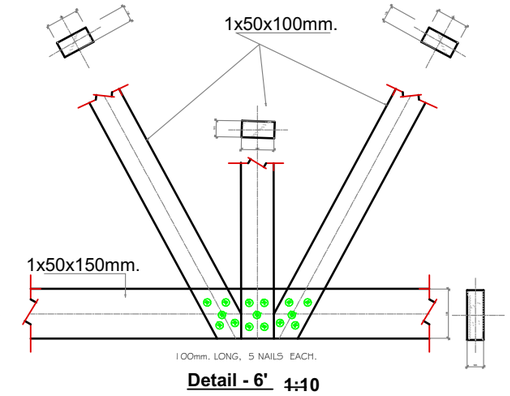


Detail - 1' 1:10

Detail - 2'
1:10



Detail - 5' 1:10



Detail - 6' 1:10

TYPICAL TRUSS CONNECTIONS DETAIL

NOTE:

1. All dimensions are in mm unless otherwise stated. In case of discrepancy, consult Structural Engineer.
2. All structural engineering drawings should be read in conjunction with relevant architectural drawings.
3. All Reinforced concrete shall be grade 20 - Nominal volumetric proportion 1:2:4 cube strength not less than 20N/mm² at 28 days.
4. Steel for reinforced concrete shall comply with BS 4449 where by fy = 460N/mm²
5. Bars lap length should be atleast 50 times the diameter of the bars lapped.
6. Structural Engineer shall be furnished with copies of the manufacturers certificates of tests for the steel reinforcement to be used.
7. Cement for works shall comply with BS 12 and shall be "Ordinary Portland Cement"
8. Clear cover for reinforcements shall be as follows:
   - Slab..... 25mm
   - Beam..... 25mm
   - Column..... 25mm
   - Footing..... 50mm
9. All concrete work to be done in one operation.
10. All steel fixing, shuttering and concreting works to be done under close supervision os Structural Engineer.
11. Sand borrow pits shall be clean and free from organic materials and shall be approved by Structural Engineer before use.
12. Minimum Compressive strength for Blocks shall be 3.5Mpa

PROJECT:

PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "...." LD.....

CLIENT:

INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

Designed by: Eng. A.M

Approved by:

DRAWING TITLE:

DRAWING USE:

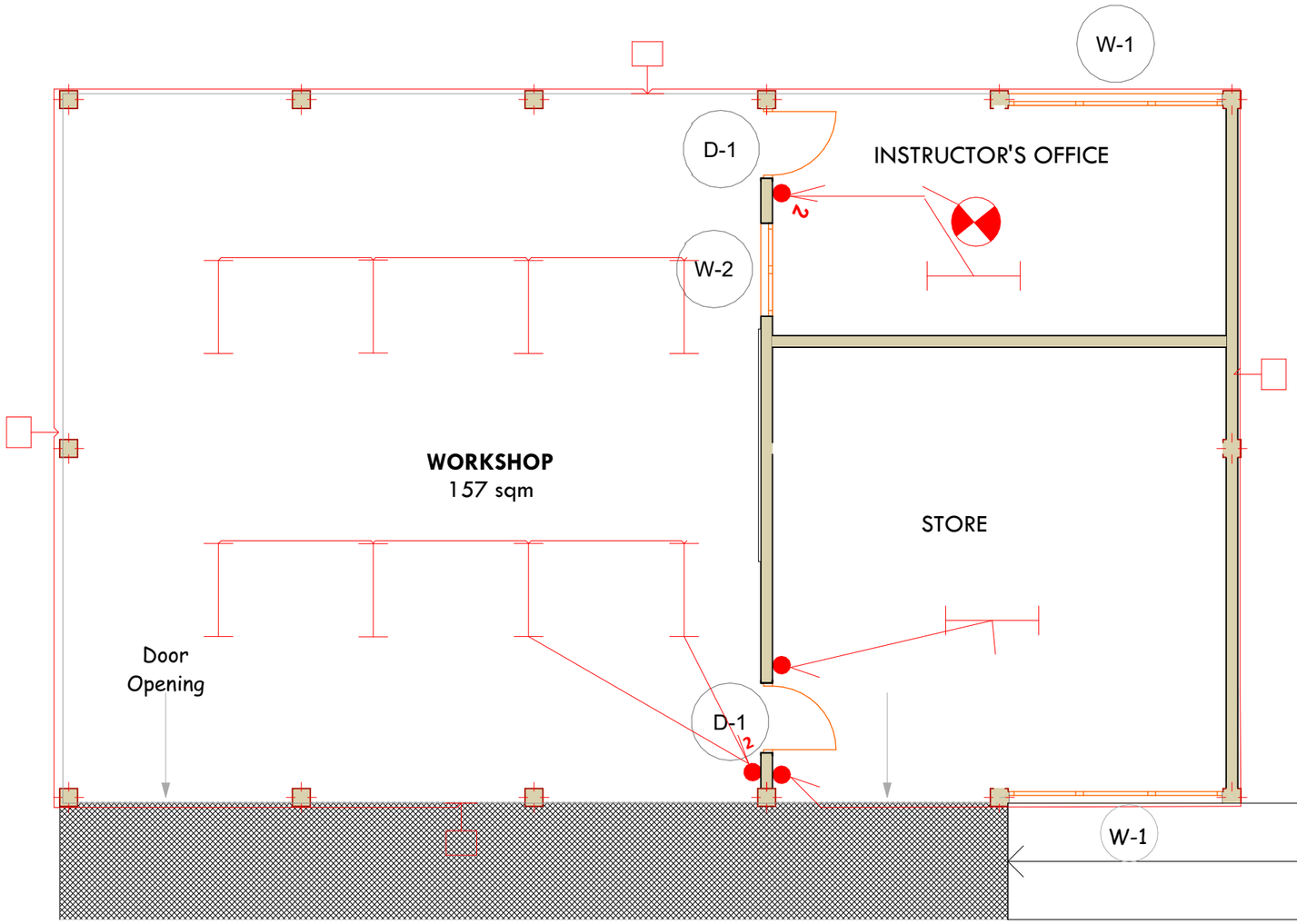
For Building permit: ☐

For Construction: ☑

Drawn by: Eng. A.M

Date: Sept, 2024	Scale:
Drawing: STR.CR	Sheet:

ELECTRICAL SERVICE DRAWINGS



KEY TO SYMBOLS

- Bulkhead light Fitting
- 4FT Single LED TUBE Light
- Ceilling Fan
- 1 gang 1way Switch
- 2 — 1 gang 2way Switch
- 2 — 2 gang 1way Switch

GENERAL NOTES

- -All dimensions are shown in mm unless otherwise specified
- -All dimensions and levels to be checked on site and on drawings, any desrepancy to be reported to the Architect before any work put in hand.
  -The drawing is the property of Architect. It is illegal to sell/transfer to another client.

No.	REVISION / ISSUE	DATE

PROJECT NAME:

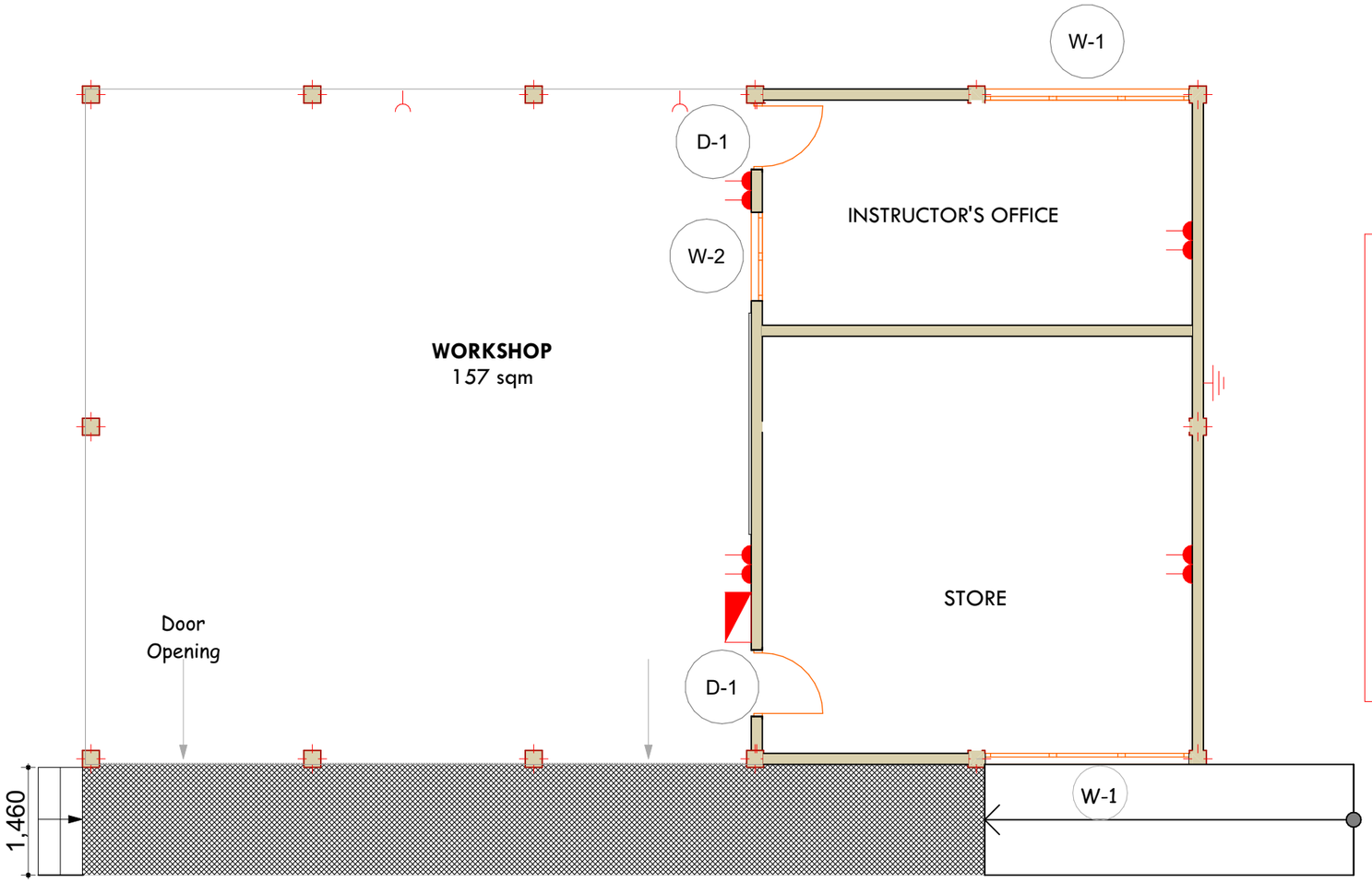
PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "...." LD.....

CLIENT:

INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

DRAWING TITLE:

DESIGNED:	A.M	PHASE	
DRAWN BY:			
CHECKED BY:	B.D	DWG No.	
SCALE:			
DATE:	SEPT. 2024		



FLOOR PLAN POWER LAYOUT

KEY TO SYMBOLS

- Distribution Board with integral RCD
- Twin Switch Socket
- Earth point
- Circuit breaker
- Isolator switch
- 1PH 32A industrial socket

GENERAL NOTES

- -All dimensions are shown in mm unless otherwise specified
- -All dimensions and levels to be checked on site and on drawings, any desrepancy to be reported to the Architect before any work put in hand.

-The drawing is the property of Architect. It is illegal to sell/transfer to another client.

No.	REVISION / ISSUE	DATE

PROJECT NAME:

PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "...." LD.....

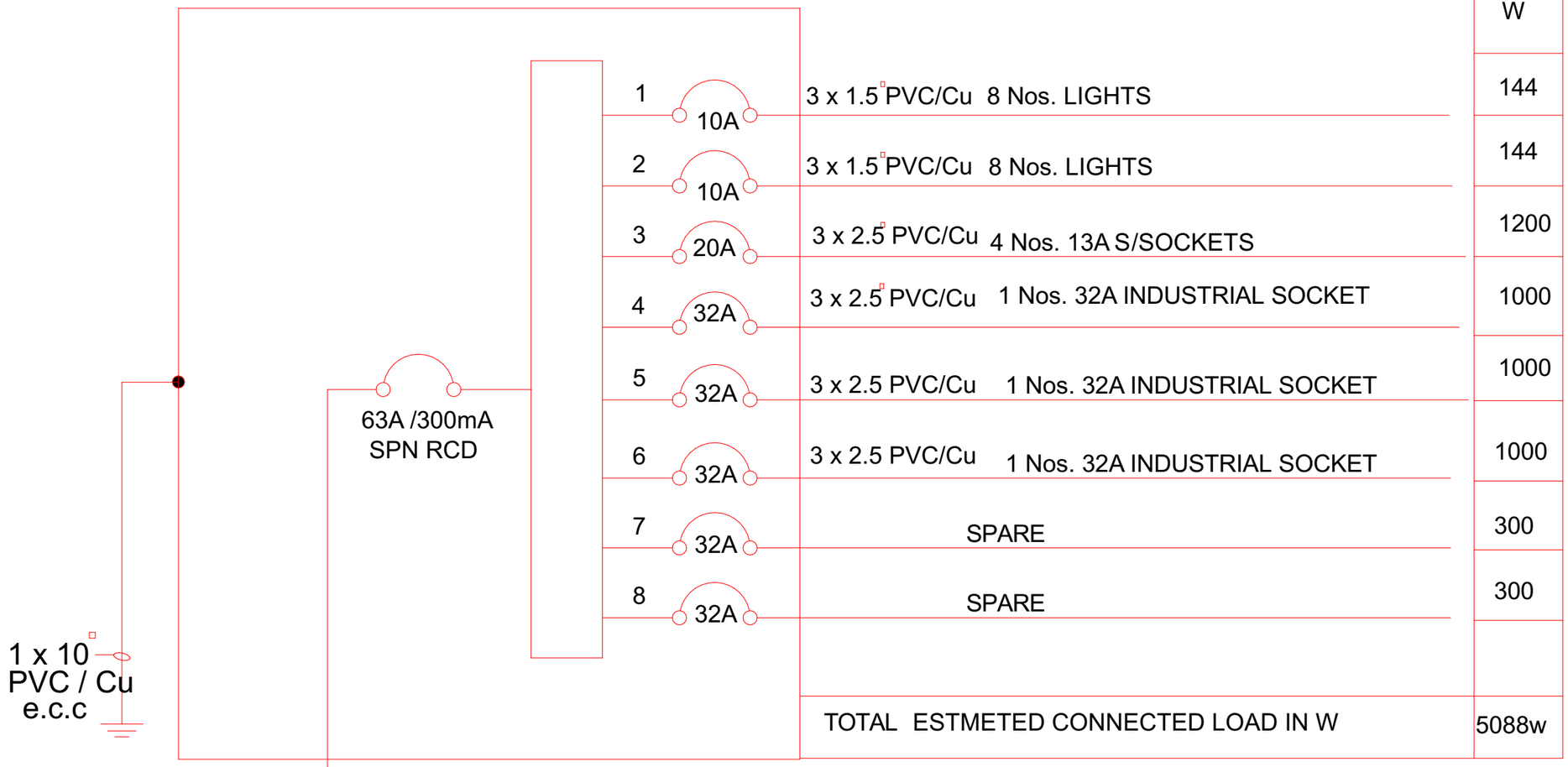
CLIENT:

INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

DRAWING TITLE:

DESIGNED:	A.M	PHASE
DRAWN BY:		
CHECKED BY:	B.D	DWG No.
SCALE:		
DATE:	SEPT. 2024	

8 WAYS 1PH DISTRIBUTION BOARD



SCHEMATIC LAYOUT

8 WAY SPN DISTRIBUTION BOARD WITH MCBs
AND INTEGRAL 63A/300mA SPN RCD INCOMER
AS ABB or Approved Equal, FOR FLUSH MOUNTING

3Cx16mm^2 PVC/SWA/PVC/Cu

FROM TANESCO LV POLE

GENERAL NOTES

- -All dimensions are shown in mm unless otherwise specified
- -All dimensions and levels to be checked on site and on drawings, any desrepancy to be reported to the Architect before any work put in hand.
  -The drawing is the property of Architect. It is illegal to sell/transfer to another client.

No.	REVISION / ISSUE	DATE

PROJECT NAME:
PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "...." LD.....

CLIENT:
INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

DRAWING TITLE:

DESIGNED:	A.M	PHASE	
DRAWN BY:			
CHECKED BY:	B.D	DWG No.	
SCALE:			
DATE:	SEPT. 2024		

KEY TO SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	Distribution Board with integral RCD	2000 mm AFFL
	Bulkhead light Fitting	Wall Mounted
	4FT Single LED TUBE Light	On Ceilling
	Ceilling Fan	On Ceilling
	Fan Regulator	1500 mm AFFL
	1 gang 1way Switch	1500 mm AFFL
2	1 gang 2way Switch	1500 mm AFFL
2 2	2 gang 2way Switch	1500 mm AFFL
3	3 gang 1way Switch	
2	2 gang 1way Switch	1500 mm AFFL
4	4 gang 1way Switch	1500 mm AFFL
	Twin Switch Socket	450 mm AFFL
C	Ceilling light complete with energy saver/LED 11w	on ceiling level
	Earth point	
	Circuit breaker	2000 mm AFFL
	Isolator switch	2000 mm AFFL
	1PH 32A industrial socket	1200 mm AFFL

KEY TO SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	3PH 32A industrial socket	1200 mm AFFL
	2 X RJ45 VOICE AND DATA OUTLET POINT.	450mm AFFT
AP	WIRELESS ACCESS POINT	Wall mounted
	COOKER CONTOL UNIT	1200 mm AFFL

GENERAL NOTES

- -All dimensions are shown in mm unless otherwise specified
- -All dimensions and levels to be checked on site and on drawings, any desrepancy to be reported to the Architect before any work put in hand.
- -The drawing is the property of Architect. It is illegal to sell/transfer to another client.

No.	REVISION / ISSUE	DATE

PROJECT NAME:

PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "...." LD.....

CLIENT:

INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

DRAWING TITLE:

DESIGNED:	A.M	PHASE	
DRAWN BY:			
CHECKED BY:	B.D	DWG No.	
SCALE:			
DATE:	SEPT. 2024		

PLUMBING SERVICE DRAWINGS

LEGEND

- COLD WATER SUPPLY PIPE
- SOIL WATER DRAINAGE PIPE
- GRAY WATER DRAINAGE PIPE
- STOP VALVE
- GT — GULLY TRAP
- FD/FG — FLOOR DRAIN/FLOOR GULLY
- MH — INSPECTION CHAMBER/MANHOLE (SOLID WASTE/WASTE WATER)
- COLD WATER TAP
- 'S' / 'P' WATER TRAP
- CLEANING EYE ON STACK PIPE AS SHOWN ON PLAN / ISOMETRIC WATER DIAGRAM
- HWB — HAND WASH BASIN
- SS — STAINLESS STEEL KITCHEN SINK
- WC — WATER CLOSET
- WH — WATER HEATER
- HS — HANDS SPRAY
- SP — SOIL WASTE PIPE
- WP — WASTE WATER PIPE

SYMBOLS

PFE

DRY POWDER ABC & CO2 PORTABLE
FIRE EXTINGUISHER
CHARGE:9KG
MOUNTED AT 1.5M ABOVE FLOOR SURFACE
MAKE:CHUBB OR ANGUS

NOTES

FOUL WATER DRAINAGE:

* FOULWATER DRAINAGE AND SANITARY PIPEWORK SHALL BE IN ACCORDANCE WITH BS 5572.
* WASTE/SOIL WATER AND VENT PIPES SHALL BE uPVC PIPES TO ISO/R/161 OR BS 4460/CLASS C, THE SIZES ARE INDICATED ON THE DRAWING.
* ALL BENDS AND TEES FOR VENT PIPES AND SULLAGE PIPES SHOULD HAVE RODDING PROVISION BY WAY OF CLEANING EYE FOR INSPECTION.
* WHERE PIPES AREA CROSSING BELOW PAVED AREAS, PIPES SHALL BE SURROUNDED WITH 150mm CONCRETE GRADE 15.
* GENERAL SLOPE FOR EXTERNAL SOIL WATER PIPEWORK SHALL BE 1% AND 0.5% FOR WASTE WATER PIPEWORK.
* BEFORE CONSTRUCTION OF THE DRAINAGE SYSTEM THE GROUND LEVELS OF THE SITE HAVE TO BE CHECKED FOR CONFORMITY WITH THOSE SHOWN ON DRAWINGS.
* MANHOLE COVER LEVEL SHALL BE AS SUCH TO SUITE ADJACENT LEVELS, BUT SHALL ALWAYS BE 10 cm HIGHER THAN GROUND LEVEL.
* MANHOLE INVERT LEVELS REFERS TO +0.90 DATUM LEVEL OF THE GROUND FLOOR FINISH LEVEL.

WATER SUPPLY

* ALL INTERNAL WATER SUPPLY PIPES SHALL BE DIZAYN PP-R 80 SANITARY PIPES & FITTINGS GRADE TO BS 1387.
* EXTERNAL WATER SUPPLY PIPES SHALL BE DIZAYN PP-R 80 SANITARY PIPES & FITTINGS.
* WATER METER SHALL BE LOCATED UNDERGROUND IN A WATER METER CHAMBER WITH A REMOVABLE COVER
* TAPS AND VALVES SHALL BE COPPER ALLOY COMPLYING TO BS 5154 OR BS 1010. BALL VALVES SHALL BE IN ACCORDENCE WITH 1212.
* PIPES DIMENSIONS ARE IN MILLIMETERS NOMINAL DIAMETER.
* ALL INTERNAL WATER SUPPLY PIPES SHALL BE EMBDDED IN WALLS OR FLOOR SLABS AS APPLICABLE OR ROOF LEVEL
* ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH BS 310.
* ALL PIPE CONNECTIONS TO TAPS AND SANITARY FITTINGS SHALL BE 15mm.
* SLEEVES HAS TO BE PROVIDED WHERE PIPES ARE CROSSING PAVED AREAS.

NOTES

* PORTABLE FIRE EXTINGUISHERS :
  - FIRE EXTINGUISHERS SHOULD BE CO2 & DRY POWDER CLASS C TO CATER FOR ALL TYPES OF FIRE.
  - FIRE EXTINGUISHERS SHOULD BE CHARGED WITH NET WEIGHT OF 9KGS
  - PREFERABLE BRAND : ANGUS, CHUBB OR EQUIVALENT APPROVED.
  - FIRE EXTINGUISHERS SHOULD BE MOUNTED AT 1.5m ABOVE FLOOR FINISHED SURFACE.
  - SERVICE AND MAINTENANCE SHOULD BE DONE AFTER SIX MONTH EVERY YEAR.

GENERAL NOTES

- All dimensions are shown in mm unless otherwise specified
- All dimensions and levels to be checked on site and on drawings, any desrepancy to be reported to the Architect before any work put in hand.
- The drawing is the property of Architect. It is illegal to sell/transfer to another client.

No.	REVISION / ISSUE	DATE

PROJECT NAME:

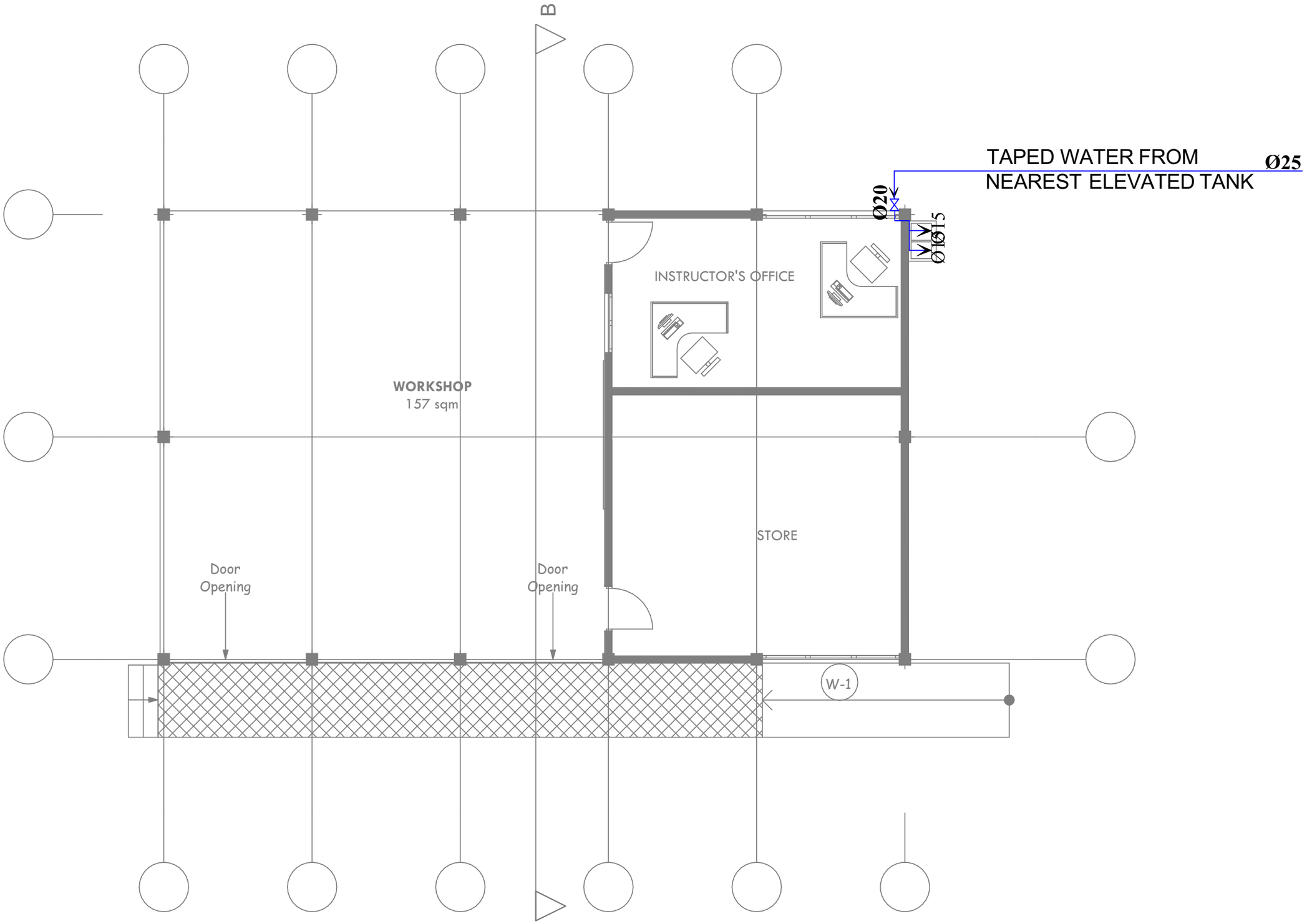
PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "....." LO.....

CLIENT:

INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

DRAWING TITLE:

DESIGNED:	A.M	PHASE	
DRAWN BY:			
CHECKED BY:	B.D	DWG No.	
SCALE:			
DATE:	SEPT. 2024		



FLOOR PLAN WATER SUPPLY

GENERAL NOTES

- -All dimensions are shown in mm unless otherwise specified
- -All dimensions and levels to be checked on site and on drawings, any desrepancy to be reported to the Architect before any work put in hand.

-The drawing is the property of Architect. It is illegal to sell/transfer to another client.

No.	REVISION / ISSUE	DATE

PROJECT NAME:

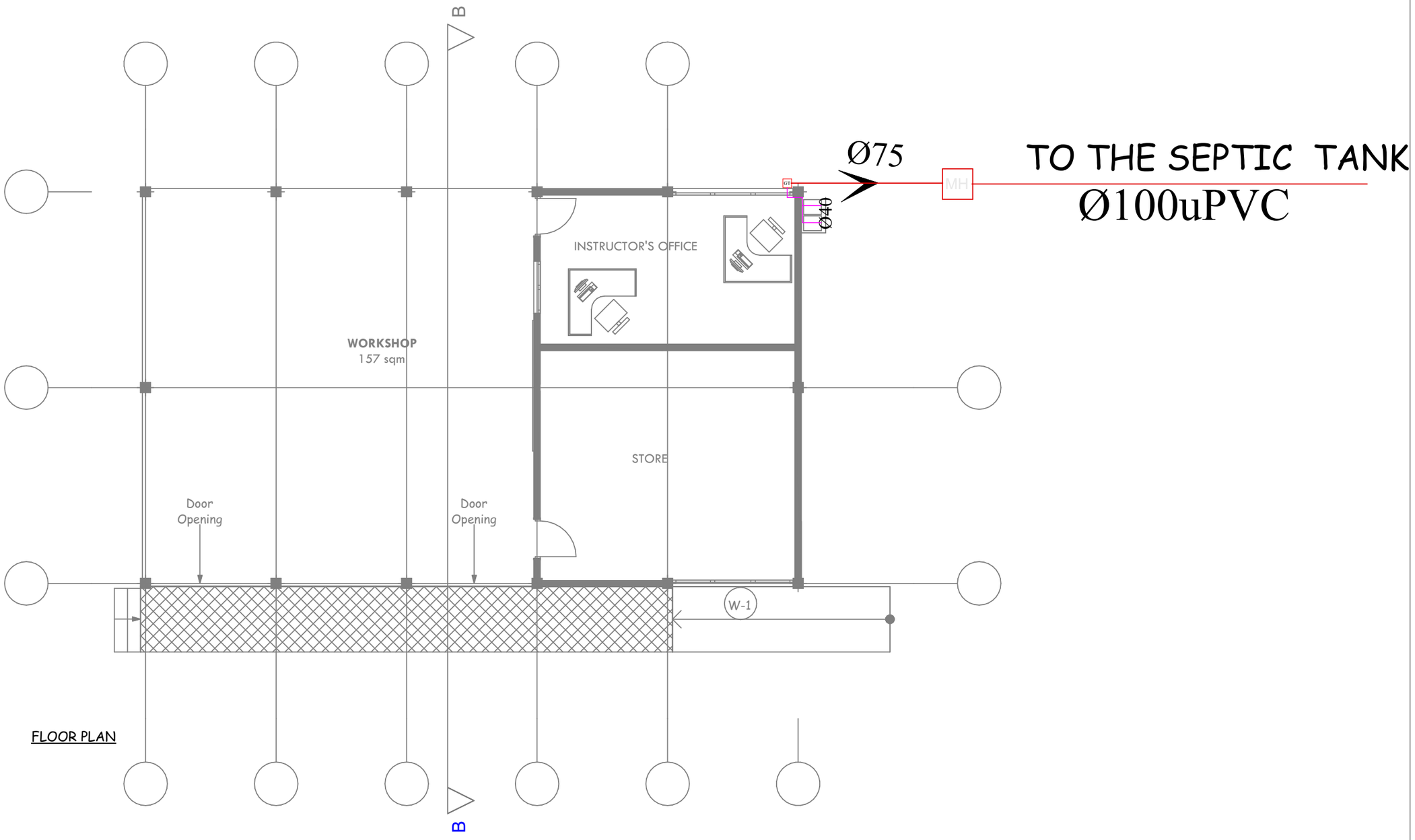
PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "...." LD.....

CLIENT:

INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

DRAWING TITLE:

DESIGNED:	A.M	PHASE
DRAWN BY:		
CHECKED BY:	B.D	DWG No.
SCALE:		
DATE:	SEPT. 2024	



FLOOR PLAN

GENERAL NOTES

- -All dimensions are shown in mm unless otherwise specified
- -All dimensions and levels to be checked on site and on drawings, any desrepancy to be reported to the Architect before any work put in hand.
  -The drawing is the property of Architect. It is illegal to sell/transfer to another client.

No.	REVISION / ISSUE	DATE

PROJECT NAME:

PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "...." LD.....

CLIENT:

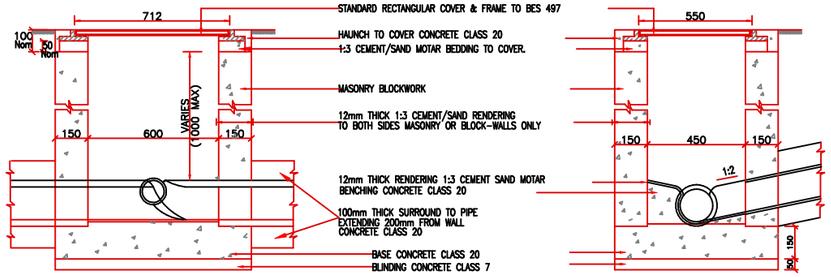
INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

DRAWING TITLE:

DESIGNED:	A.M	PHASE	
DRAWN BY:			
CHECKED BY:	B.D	DWG No.	
SCALE:			
DATE:	SEPT. 2024		

MASONRY BLOCKWORK OR IN SITU CONCRETE

MANHOLE LESS THAN 1. 1m TO CROWN PIPE

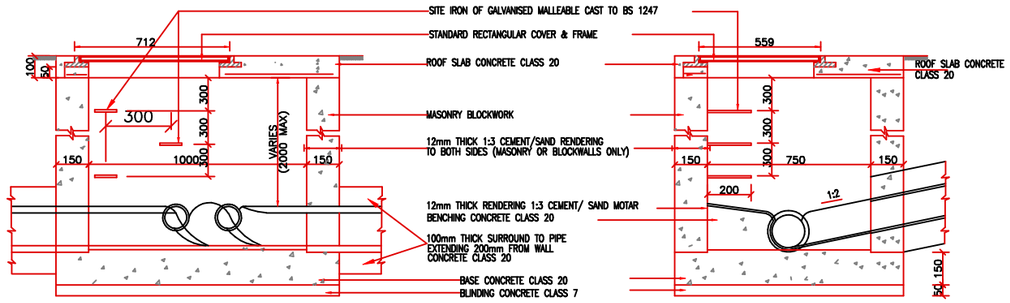


SECTION A–A Scale 1:25

SECTION B–B Scale 1:25

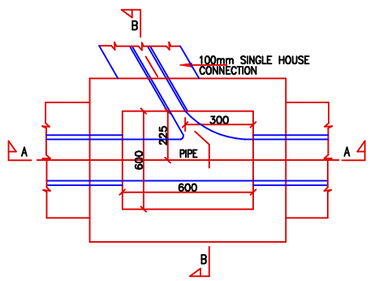
MASONRY BLOCKWORK OR IN SITU CONCRETE

MANHOLE LESS THAN 2. 0m TO CROWN PIPE

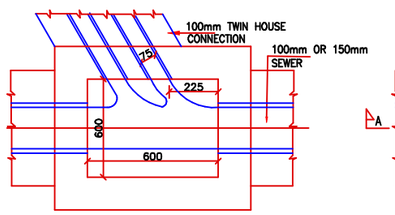


SECTION A–A Scale 1:25

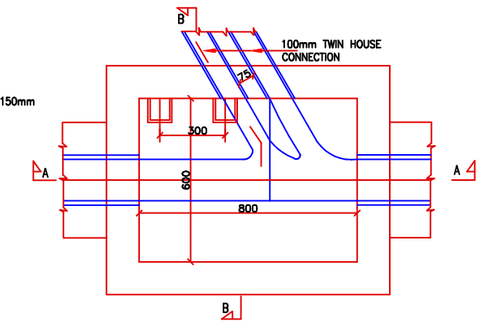
SECTION B–B Scale 1:25



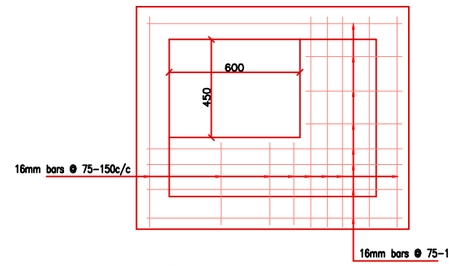
PLAN SHOWING SINGLE HOUSE CONNECTION Scale 1:25



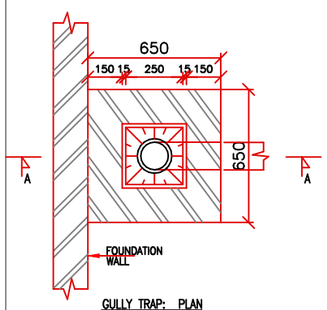
PLAN SHOWING ALTERNATIVE TWIN HOUSE CONNECTION Scale 1:25



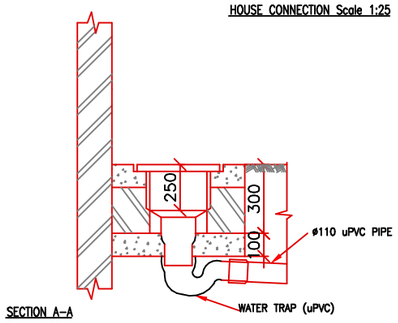
PLAN SHOWING ALTERNATIVE TWIN HOUSE CONNECTION Scale 1:25



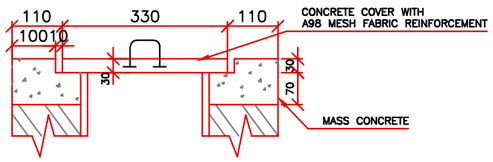
ROOF PLAN Scale 1:25



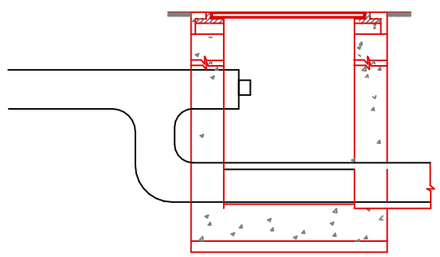
GULLY TRAP: PLAN
Scale 1:20



SECTION A–A
Scale 1:20



COVER DETAIL (330x330mm)
Scale 1:10



BACK DROP MANHOLE Scale 1:25

MANHOLE DETAILS AND NOTES

NOTES

1. ALL DIMENTIONS ARE IN MILLIMETERS EXCEPT WHERE MENTIONED OTHERVISE
2. ALL INTERIOR RENDERING & CONCRETE FOR BENCHING & COVER SLAB MUST BE MADE WITH SULPHATE RESISTING CEMENT
3. WITH LATERALS ON BOTH SIDES OF THE M.H. CONSIDER THE SIDE WITH MAX. NUMBER OF LATERALS TO FIND THE SIZE OF MANHOLE TABLE 1.
4. MIN. DISTANCE BETWEEN ADJACENT LATERAL DRAINS MUST NOT BE LESS THAN (D1+D2), D1 & D2 ARE INTERNAL DIAMETERS OF THE LATERALS RESECTIVELY IN MM.
5. THE ANGEL BETWEEN INCOMING & OUTGOING DRAINS MUST NOT BE LESS THAN 90° AT ANY POINT OF JUNCTION OR ANY CHANGE OF DIRECTION.
6. A MANHOLE DROP AS SHOWN WITH M.H TYPE E SHOULD BE PROVIDED WHEN DIFFERENCE IN INVERT LEVELS OF LATERAL & MAIN DRAIN IS MORE THAN 600mm. OTHERVISE,PROVIDE DROP IN CHANNEL OF BENCHING
7. PROVIDE CAST IRON M.H. COVERS & FRAMES CONFORMING TO B.S. 497 OF 1967 ACCORDING TO THE REQD OF TRAFFIC LOADING & SEALING SUBJECT TO ENGINEERS APPR.
8. A BED SLOPE OF 1 IN 20 TO 1 IN 30 MUST BE PROVIDED IN BENCHING CHANNEL
9. REINFORCEMENT FOR COVER SLAB OF M.H AS DETAILED IDENTICAL TO TYPES B1 & C1 SHOULD ONLY BE PROVIDED IF THE M.H's ARE SUBJECTD TO TRAFFIC LOADING
10. TABLE 1 GIVES THE SIZES OF M.H's WITH MAIN AND LATERAL DRAINS UP TO 230mm ø, THE SIZES OF M.H. WITH BIGGER DRAINS MAY ANYHOW BE ASCERTAINED SUBJECTED TO ENGINNERS APPROVAL.
11. MANHOLE COVER LEVEL SHALL BE AS SUCH TO SUITE ADJACENT LEVELS, BUT SHALL ALWAYS BE 10 cm HIGHER THAN GROUND LEVEL.
12. MANHOLE INVERT LEVELS REFERS TO +0.90 DATUM LEVEL OF THE GROUND FLOOR FINISH LEVEL.

GENERAL NOTES

- -All dimensions are shown in mm unless otherwise specified
- -All dimensions and levels to be checked on site and on drawings, any desrepancy to be reported to the Architect before any work put in hand.

-The drawing is the property of Architect. It is illegal to sell/transfer to another client.

No.	REVISION / ISSUE	DATE

PROJECT NAME:

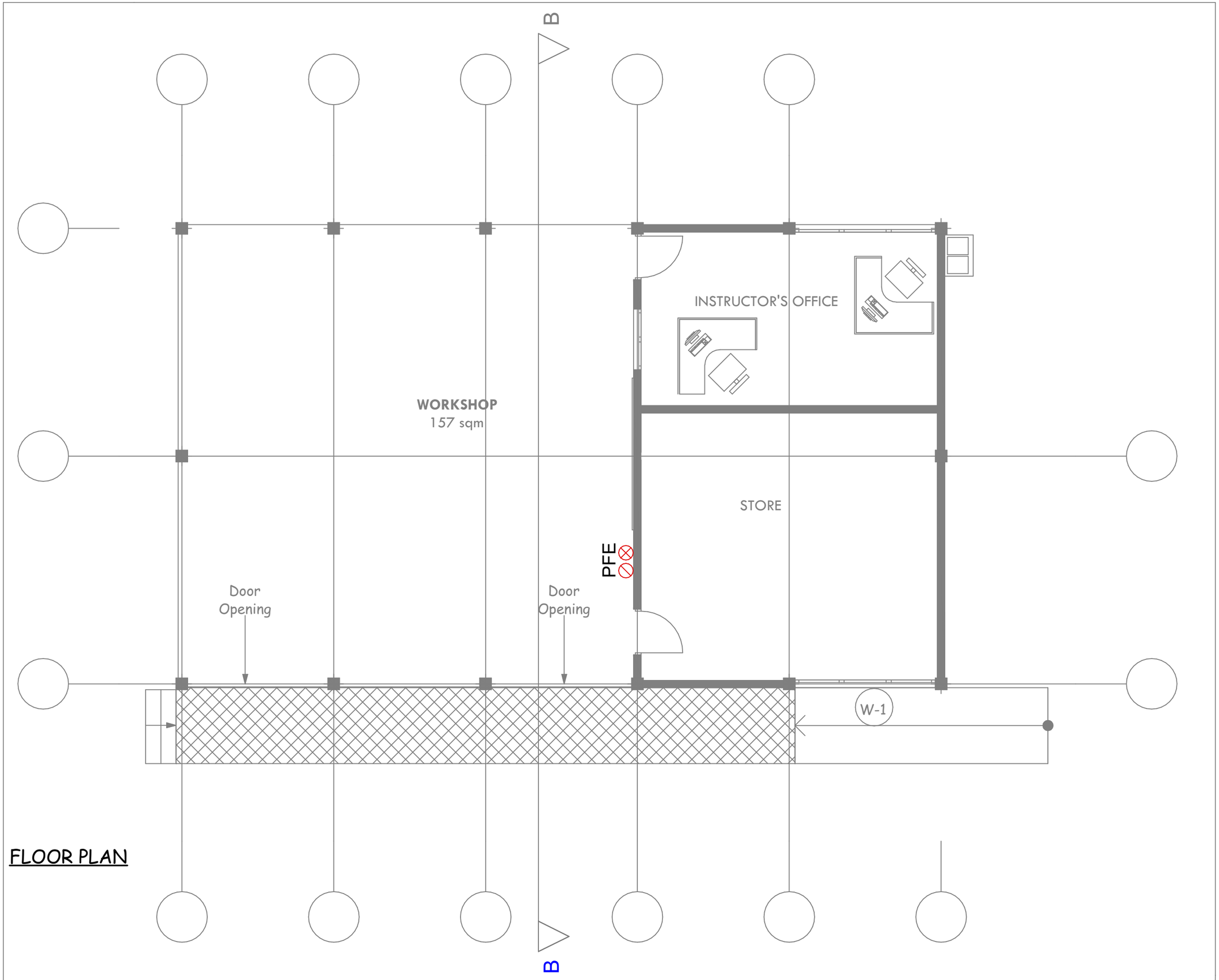
PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "...." LD.....

CLIENT:

INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

DRAWING TITLE:

DESIGNED:	A.M	PHASE
DRAWN BY:		
CHECKED BY:	B.D	DWG No.
SCALE:		
DATE:	SEPT. 2024	



FLOOR PLAN

GENERAL NOTES

- -All dimensions are shown in mm unless otherwise specified
- -All dimensions and levels to be checked on site and on drawings, any desrepancy to be reported to the Architect before any work put in hand.

-The drawing is the property of Architect. It is illegal to sell/transfer to another client.

No.	REVISION / ISSUE	DATE

PROJECT NAME:

PROPOSED DESIGN FOR WORKSHOP AT INSTITUTE OF ADULT EDUCATION TO BE BUILT AT PLOT NO..... L.O NO. ..... BLOCK "...." LD.....

CLIENT:

INSTITUTE OF ADULT EDUCATION
P.O.BOX 20679
DAR ES SALAAM.

DRAWING TITLE:

DESIGNED:	A.M	PHASE
DRAWN BY:		
CHECKED BY:	B.D	DWG No.
SCALE:		
DATE:	SEPT. 2024	