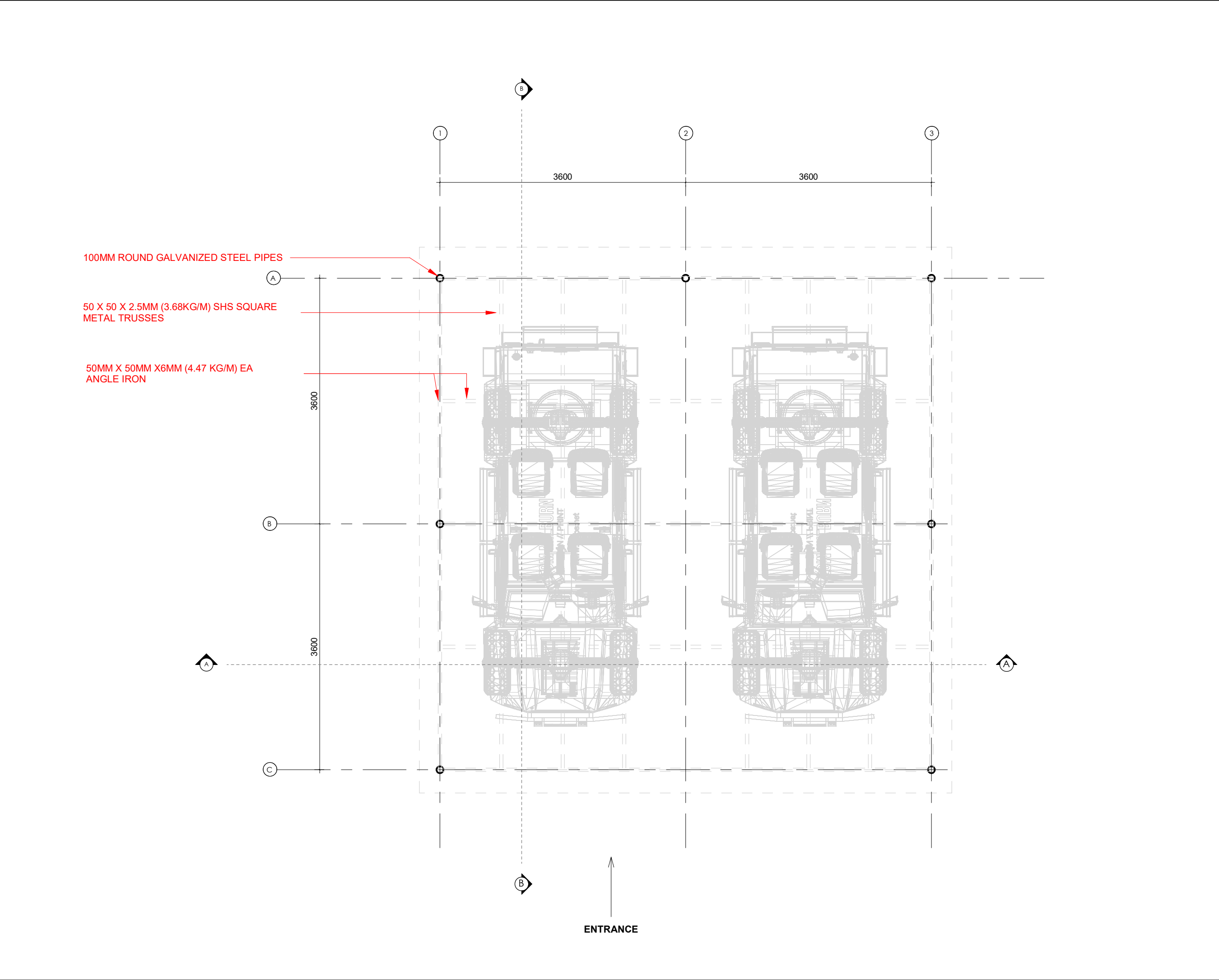


HOMES FOR NGARANNAM, ARMOURED VEHICLE SHADE MAFA LGA, BORNO.

ISSUED FOR CONSTRUCTION

DECEMBER 2021



NOTE

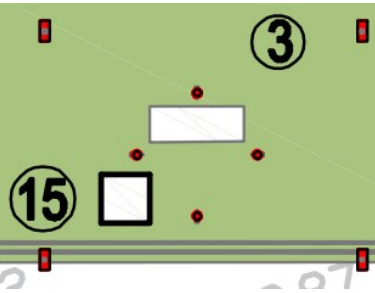
Figured dimension must be taken in preference dimensions.

Contractor, sub-contractors and suppliers must verify all dimension on site before commencing any work or making any shop drawing.

All timber to be pressure-treated with anti-fungal and anti-infestion on approved treatment.

All Internal Doors to have 25mm undercut to avoid internal pressure build up

ISSUED FOR REVIEW

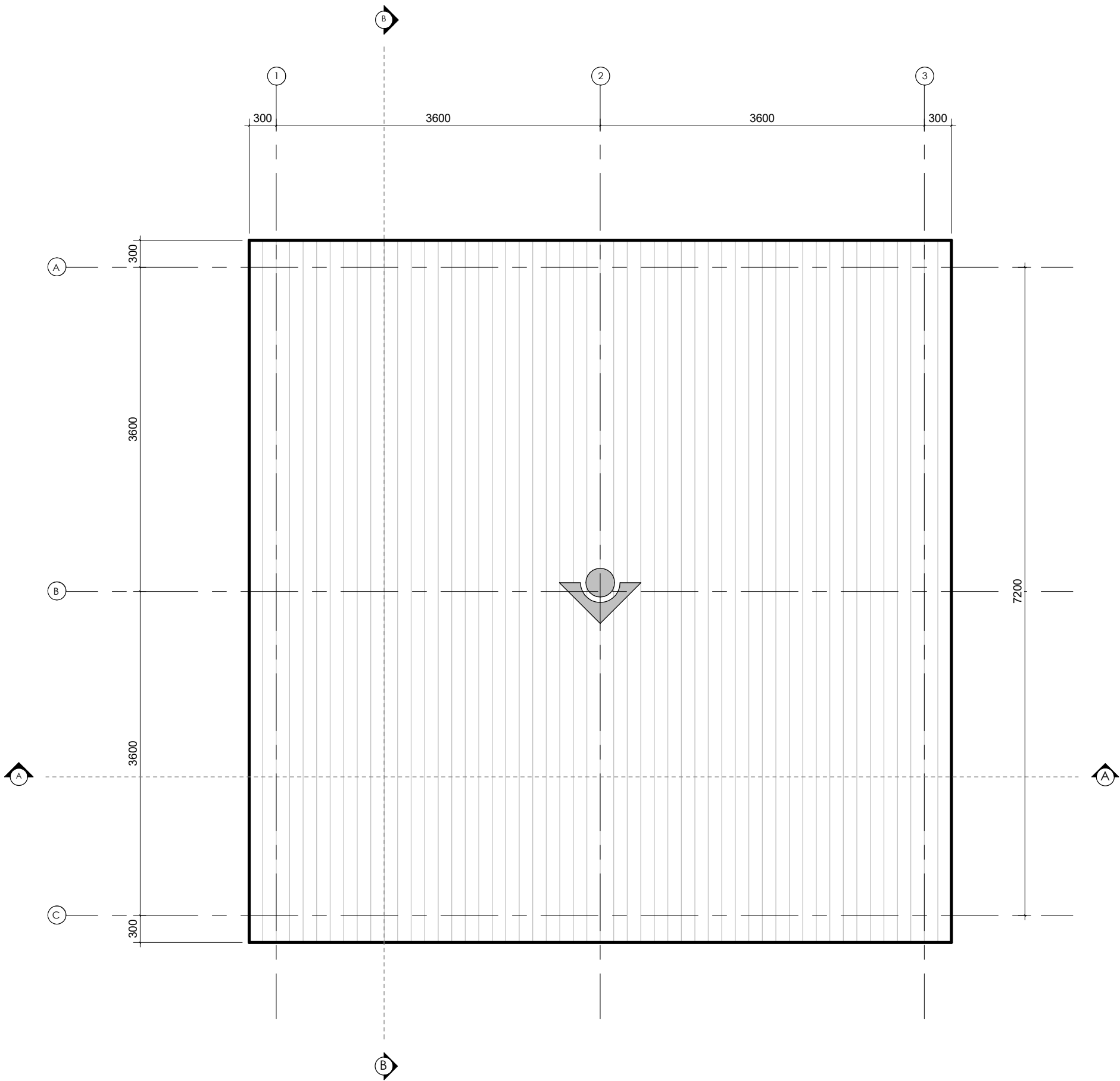


ARMoured POLICE VEHICLE SHADE
LOCATION ON MASTERPLAN

HOMES FOR NGARANNAM,
MAFA LGA, BORNO.

ARMoured POLICE VEHICLE SHADE_
GROUND FLOOR PLAN

Scale: 1 : 50
Date: DECEMBER, 2021
Drwg. No. A435-04-206



NOTE

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All timber to be pressure-treated with anti-fungal and anti-infestation on approved treatment.

All Internal Doors to have 25mm undercut to avoid internal pressure build up

ISSUED FOR REVIEW

HOMES FOR NGARANNAM,
MAFA LGA, BORNO.

ARMOURED POLICE VEHICLE SHADE_
ROOF PLAN

Scale: 1 : 50

Date: DECEMBER, 2021

Drwg. No.
A435-04-207

TOWER PALE GREEN ALUMINIUM
LONG SPAN ROOFING SHEET

100MM ROUND GALVANIZED STEEL PIPES

FOUNDATION FOOTING

2 SECTION A-A
1 : 50

50 X 50 X 2.5MM (3.68KG/M) SHS
SQUARE METAL TRUSSES

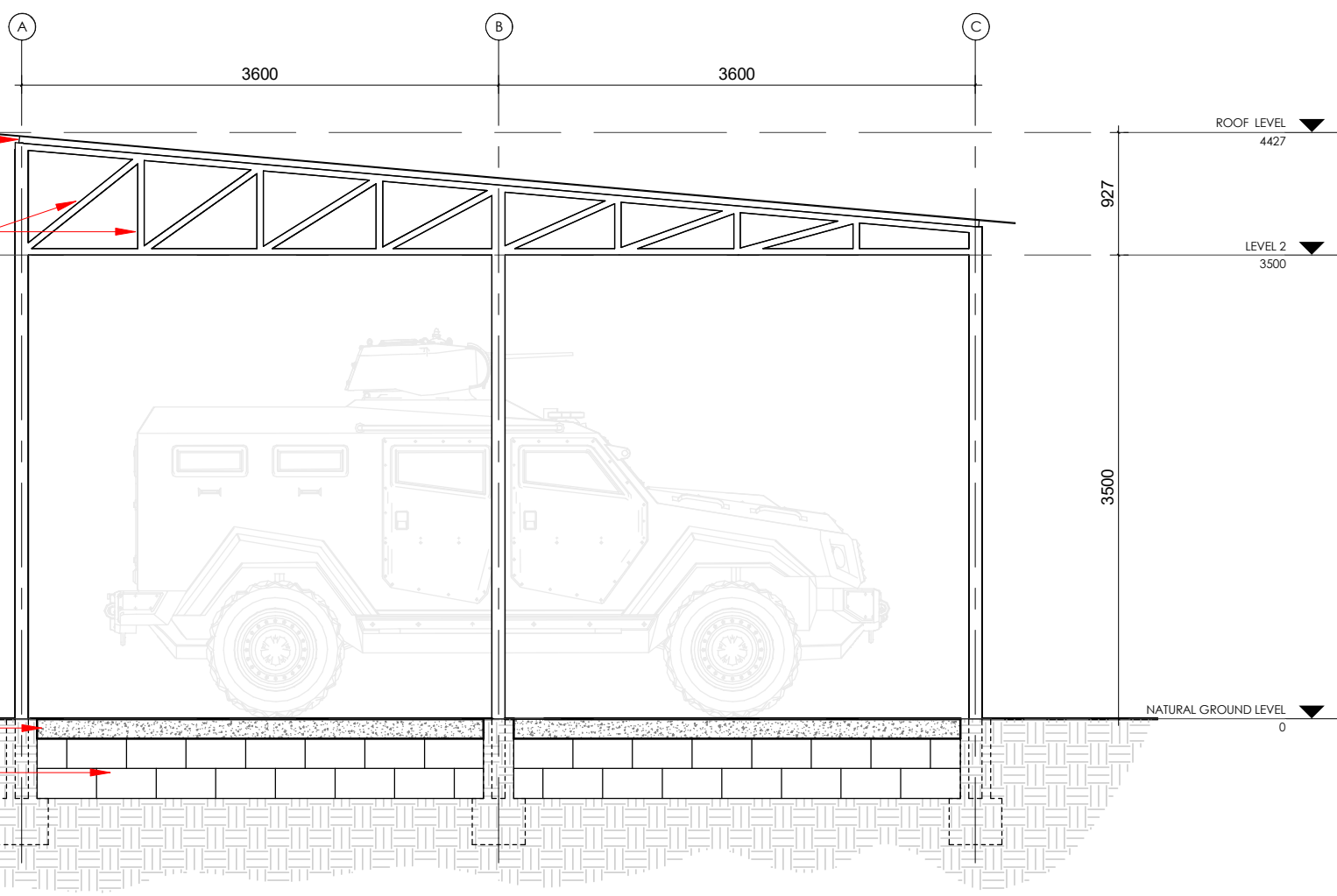
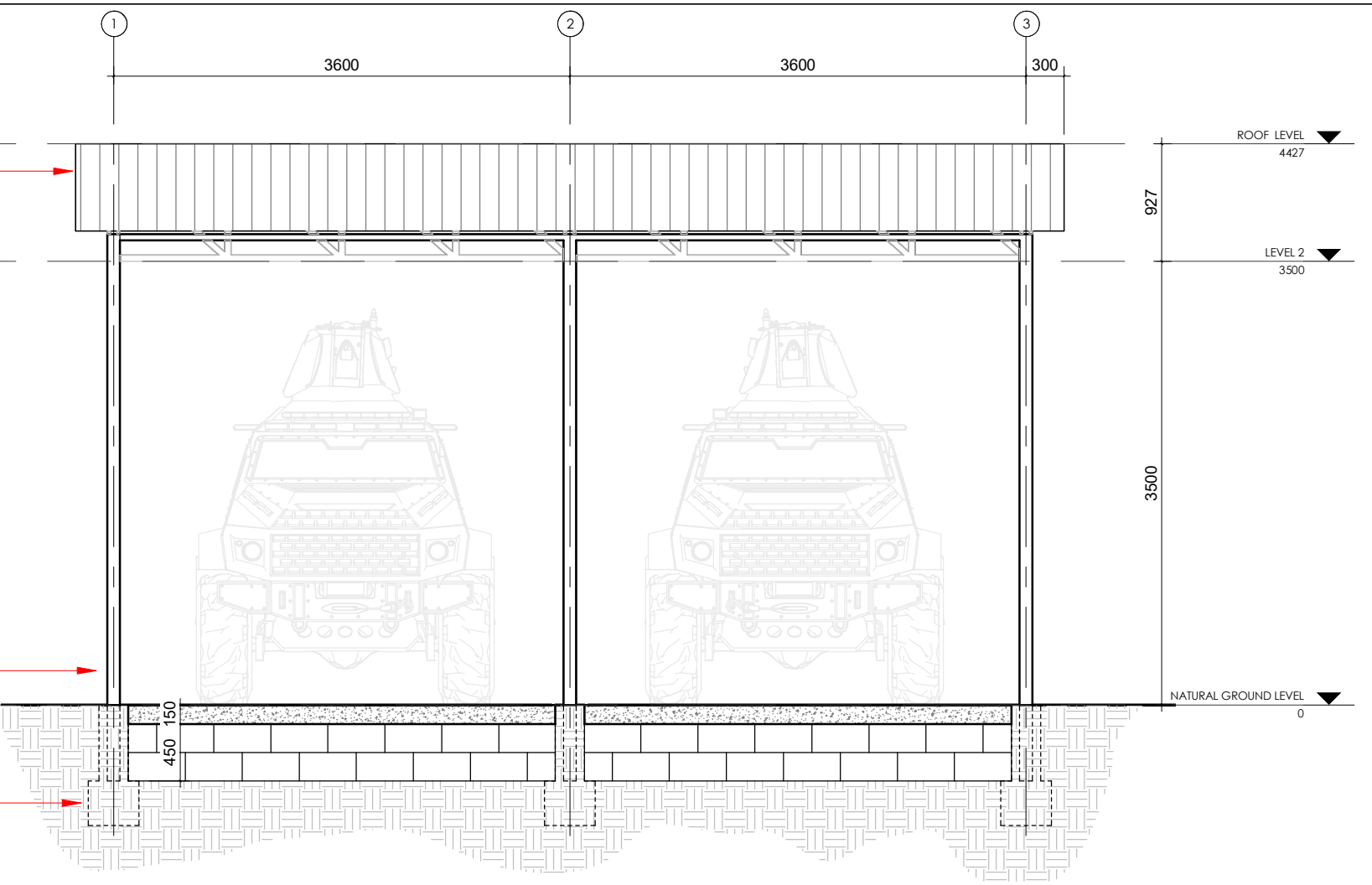
50MM X 50MM X4MM (3.77KG/M) EA
ANGLE IRON

150MM CONCRETE SLAB

BLOCK WALL

FOUNDATION FOOTING

1 SECTION B-B
1 : 50



NOTE

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All timber to be pressure-treated with anti-fungal and anti-infection on approved treatment.

All Internal Doors to have 25mm undercut to avoid internal pressure build up

ISSUED FOR REVIEW

HOMES FOR NGARANNAM,
MAFA LGA, BORNO.

ARMOURD POLICE VEHICLE SHADE
SECTION A-A
SECTION B-B

Scale: 1 : 50

Date: DECEMBER, 2021

Drwg. No.
A435-04-208

NOTE

Figured dimension must be taken in preference dimensions.

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All timber to be pressure-treated with anti-fungal and anti-infestation on approved treatment.

All Internal Doors to have 25mm undercut to avoid internal pressure build up

ISSUED FOR REVIEW

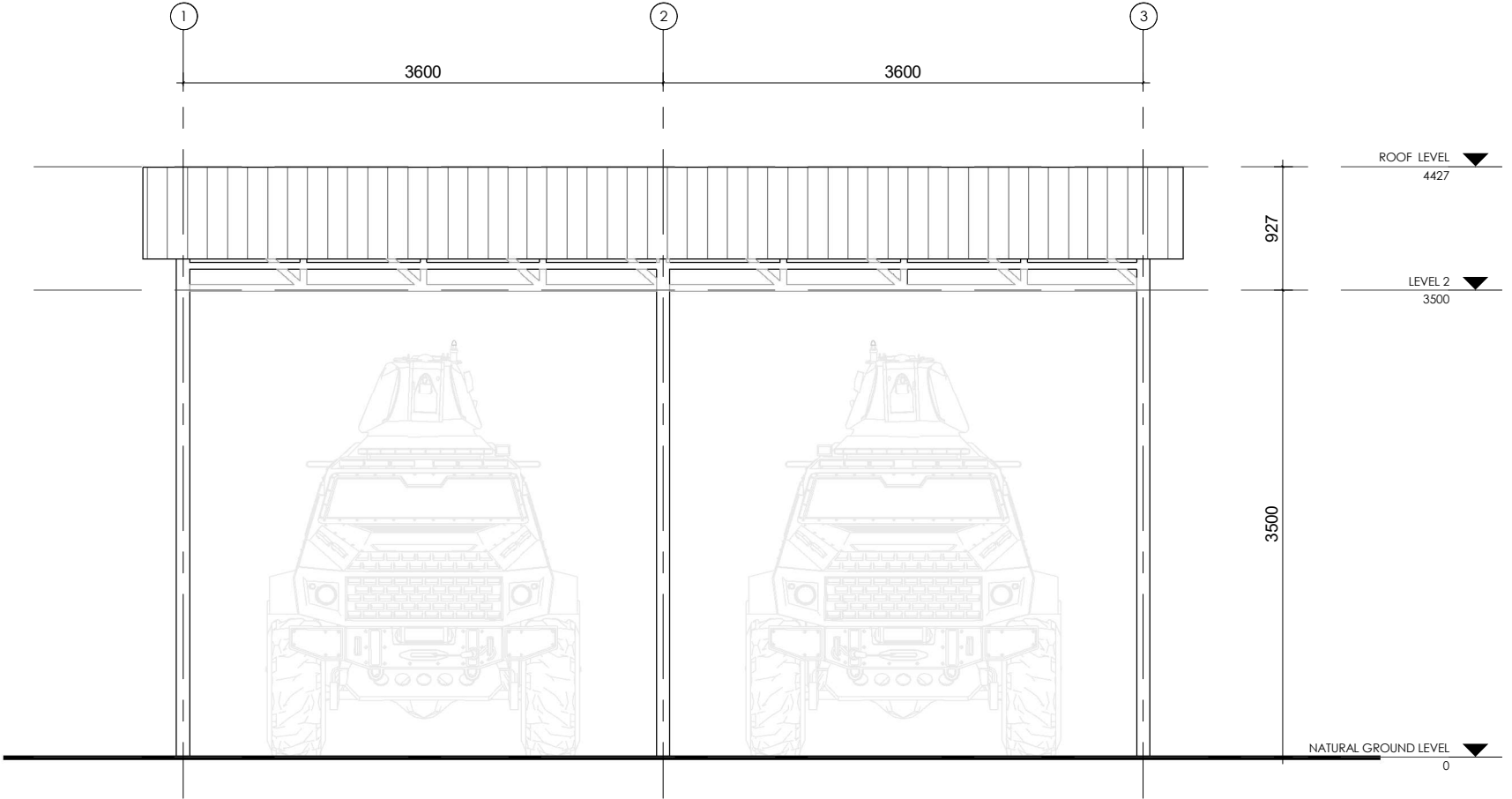
HOMES FOR NGARANNAM,
MAFA LGA, BORNO.

ARMoured POLICE VEHICLE SHADE
FRONT AND REAR ELEVATIONS

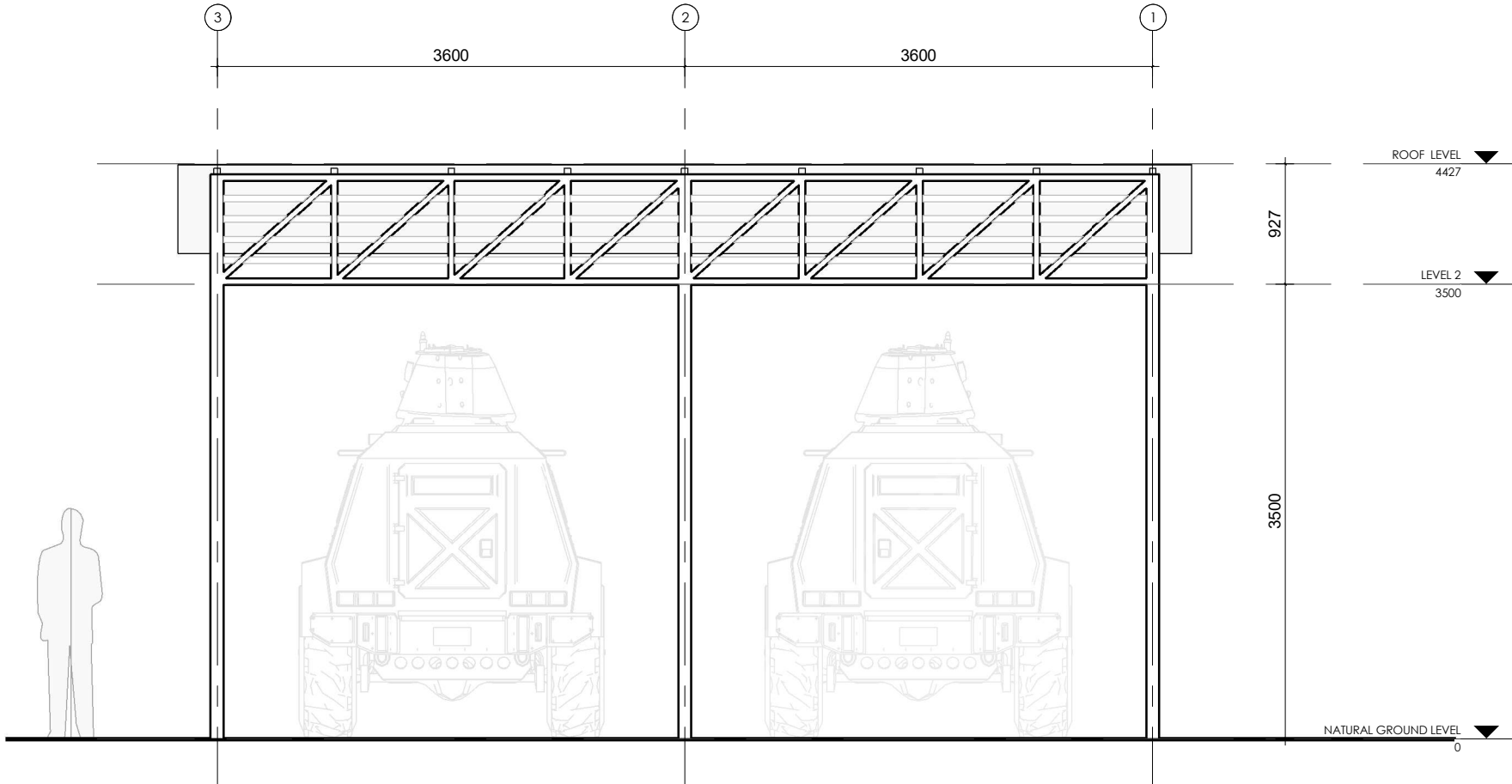
Scale: 1 : 50

Date: DECEMBER, 2021

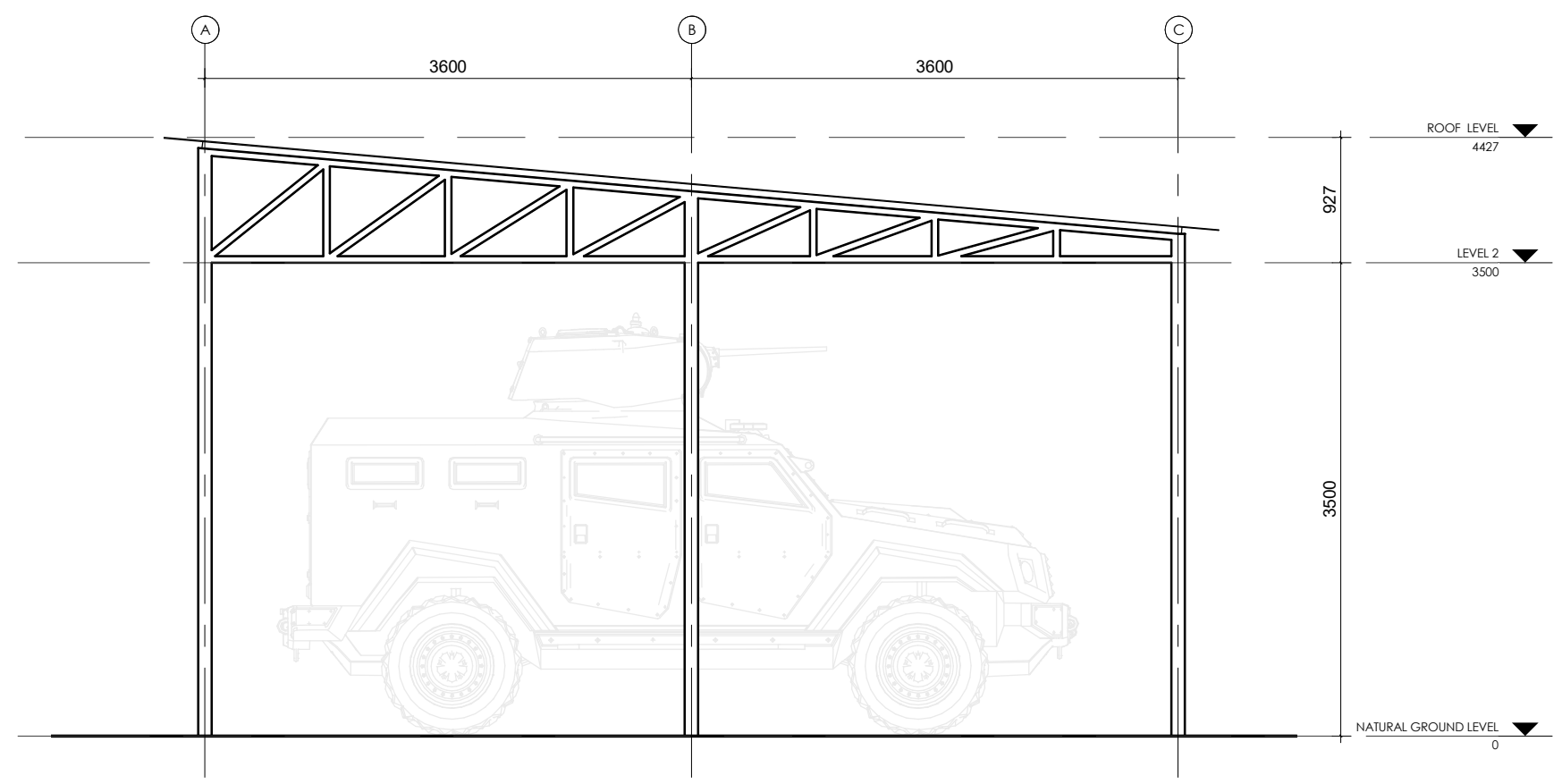
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A435-04-209



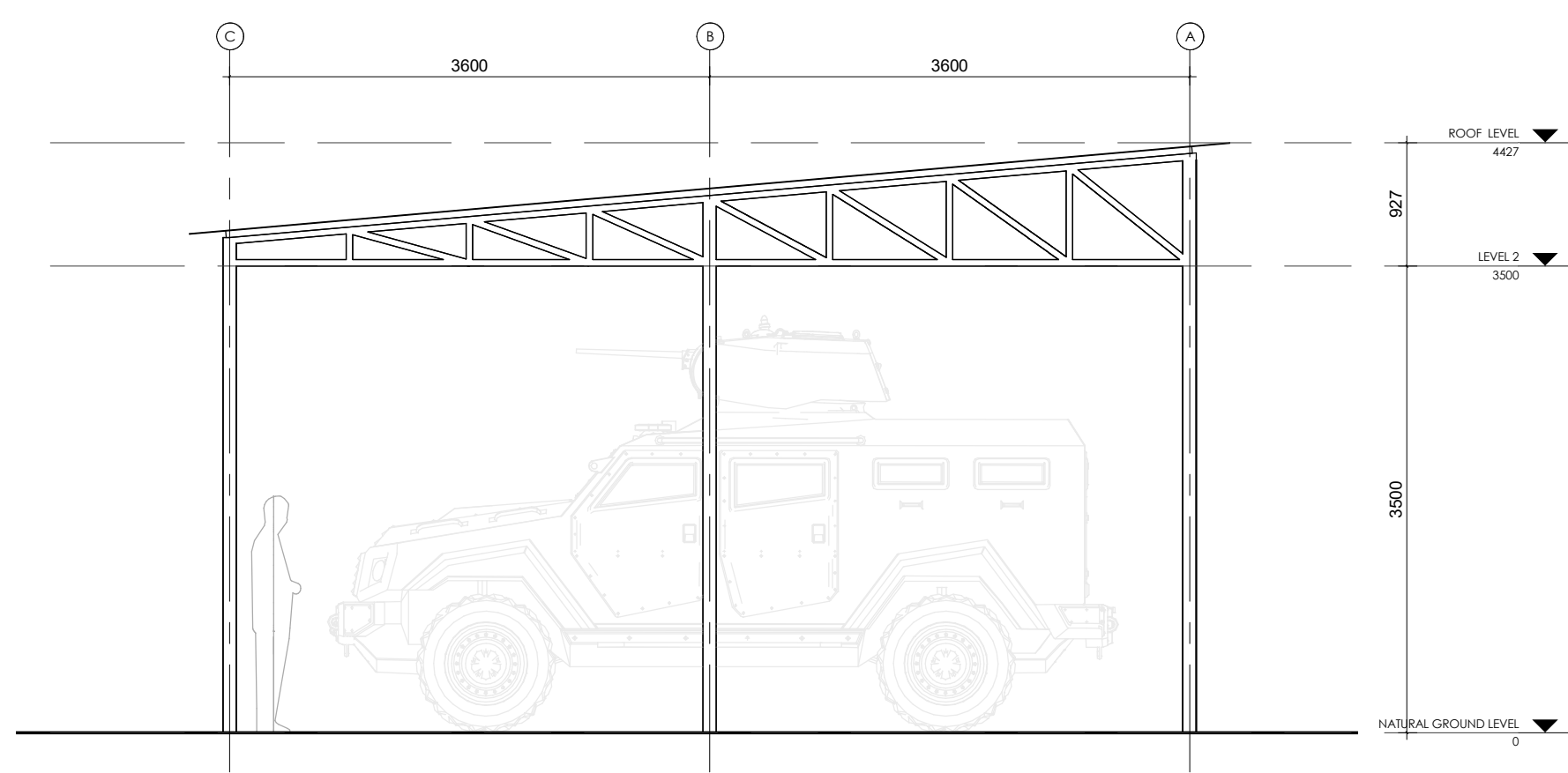
1 FRONT ELEVATION
1 : 50



2 REAR ELEVATION
1 : 50



1 LEFT ELEVATION
1 : 50



2 RIGHT ELEVATION
1 : 50

NOTE

Figured dimension must be taken in preference dimensions.

Contractor, sub-contractors and suppliers must verify all dimension on site before commencing any work or making any shop drawing.

All timber to be pressure-treated with anti-fungal and anti-infestion on approved treatment.

All Internal Doors to have 25mm undercut to avoid internal pressure build up

ISSUED FOR REVIEW

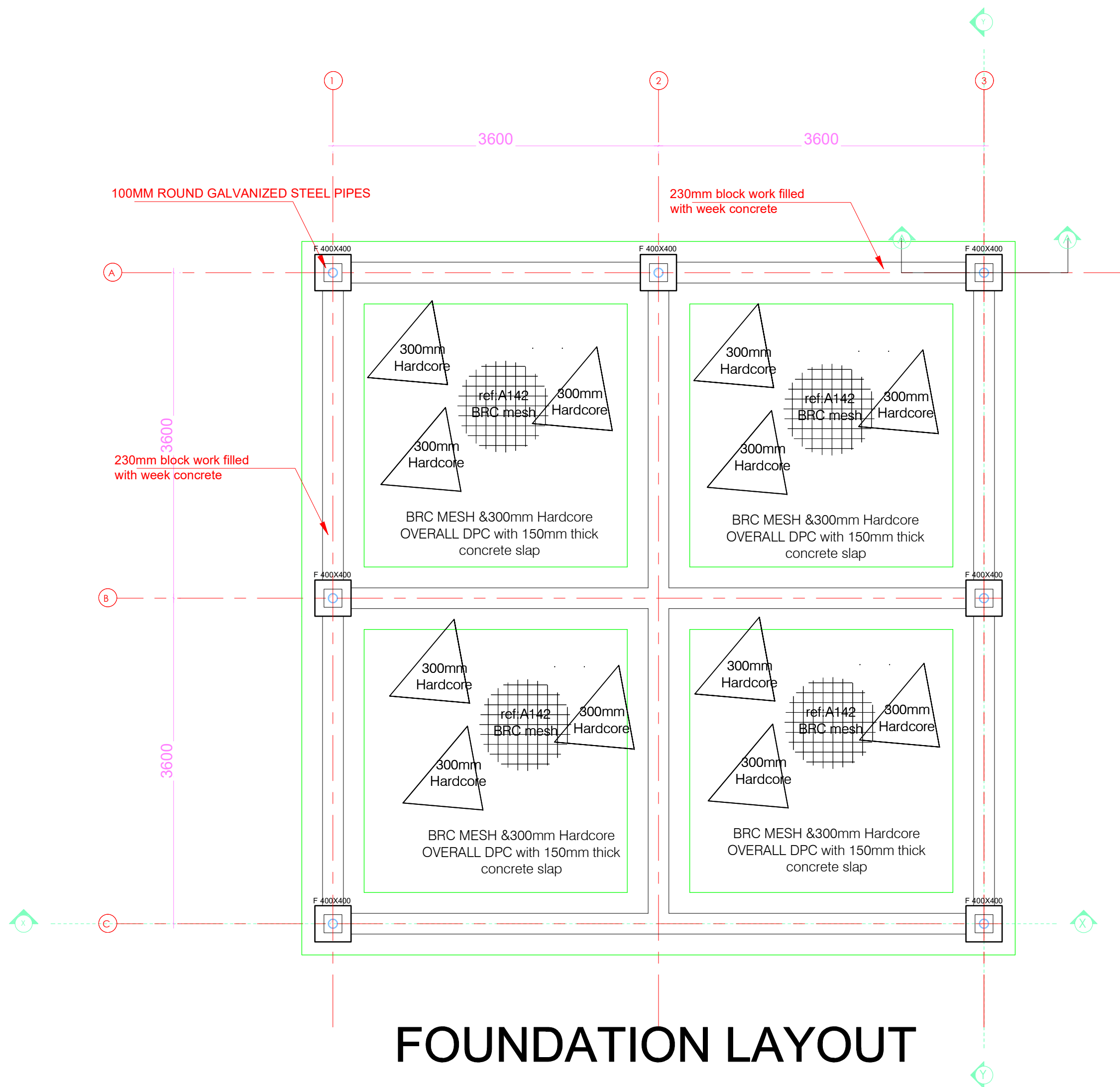
HOMES FOR NGARANNAM,
MAFA LGA, BORNO.

ARMoured POLICE VEHICLE SHADE
LEFT ELEVATION & RIGHT ELEVATION

Scale: 1 : 50

Date: DECEMBER, 2021

Drwg. No.
A435-04-210



GENERAL NOTES.

- REINFORCED CONCRETE**
- DESIGN IS TO BS 8110
 - CONCRETE GRADES ARE TO BE AS FOLLOWS WITH FIGURES IN BRACKET DENOTING MAXIMUM SIZE AGGREGATE:
-FOUNDATION 30(25)
-COLUMNS 30(20)
-BEAMS & SLABS 30(20)
 - UNLESS OTHERWISE INDICATED, REINFORCEMENT SHALL BE HIGH YIELD STEEL (TYPE 2), DENOTED BY 'Y', HAVING CHARACTERISTIC STRENGTH NOT LESS THAN 410N/MM²
 - COVER TO REINFORCEMENT SHALL BE THE FONDATION:
50MM(BOTTOM)/75MM(SIDES)
COLUMNS: 25MM
BEAMS: 25MM
SLABS: 20MM
 - DRAWINGS MUST BE READ IN CONJUNCTION WITH THE RELEVANT ARCHITECTURAL DRAWINGS AND IN CASE OF ANY DISCREPANCY REFER TO THE DESIGN ENGINEER FOR CLARIFICATION.
 - DIMENSIONS ARE IN MILLIMETRE(MM) AND MUST NOT BE SCALED AT ANY TIME.
 - FOUNDATION WAS DESIGNED FOR AN ASSUMED ALLOWABLE SOIL BEARING PRESSURE OF 150KN/M²
 - THIS DESIGN ENGINEER WILL NOT TAKE RESPONSIBILITY FOR ANY JOB NOT SUPERVISED BY HIM.

- BLOCKWORK**
- HOLLOW BLOCK WALLS BELOW GROUND SLAB LEVEL ARE TO BE FILLED WITH MASS CONCRETE. BACK FILLING IS TO BE CARRIED OUT SIMULTANEOUSLY ON BOTH SIDES.
 - THE WALL THICKNESS OF THE BLOCKS SHOULD NOT BE MORE THAN 25MM.
 - THE MAXIMUM CRUSHING STRENGTH OF THE HOLLOW BLOCK IS TO BE 20N/MM² OF GROSS AREA OF BLOCK AT 28 DAYS.
 - BLOCKWORK TIES BETWEEN BLOCKWORK WALL AND COLUMNS/STANTIONS ARE TO BE PROVIDED AT EVERY COURSE. TIES TO BE 6MM BAR STRAPS 700MM LONG INTO THE BLOCKWORK.
 - MAXIMUM POUR HEIGHT FOR ALL FILLED BLOCK BLOCKWORK TO BE 2 COURSES AT A TIME.
 - ALL SERVICE PIPES SHALL ONLY BE PUT INSIDE BLOCKWORK AFTER DUE CONSULTATION WITH STRUCTURAL ENGINEERS, PUTTING SERVICE PIPES INSIDE LOAD BEARING BLOCKWORK CORNERS MUST BE AVOIDED.

No.	Revision/Notes.	Date.
1.	Issued for Tender	

Project.

HOMES FOR NGARANNAM,
MAFA LGA, BORNO.

Drawing Title.

FOUNDATION LAYOUT

DESIGN		SHEET No. 01 Scale: 1:50
CHECKED		
CAD		
DATE	MARCH, 2021	

GENERAL NOTES.

- REINFORCED CONCRETE**
- DESIGN IS TO BS 8110
 - CONCRETE GRADES ARE TO BE AS FOLLOWS WITH FIGURES IN BRACKET DENOTING MAXIMUM SIZE
AGGREGATE:
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-BEAMS & SLABS 30(20)
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 - COVER TO REINFORCEMENT SHALL BE THE
FOUNDATION:
50MM(BOTTOM)/75MM(SIDES)
COLUMNS: 25MM
BEAMS: 25MM
SLABS: 20MM
 - DRAWINGS MUST BE READ IN CONJUNCTION WITH THE RELEVANT ARCHITECTURAL DRAWINGS AND IN CASE OF ANY DISCREPANCY REFER TO THE DESIGN ENGINEER FOR CLARIFICATION.
 - DIMENSIONS ARE IN MILLIMETRE(MM) AND MUST NOT BE SCALED AT ANY TIME.
 - FOUNDATION WAS DESIGNED FOR AN ASSUMED ALLOWABLE SOIL BEARING PRESSURE OF 150KN/M2
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 - ALL SERVICE PIPES SHALL ONLY BE PUT INSIDE BLOCKWALL AFTER DUE CONSULTATION WITH STRUCTURAL ENGINEERS. PUTTING SERVICE PIPES INSIDE LOAD BEARING BLOCKWORK CORNERS MUST BE AVOIDED.

No.	Revision/Notes.	Date.
1.	Issued for Tender	

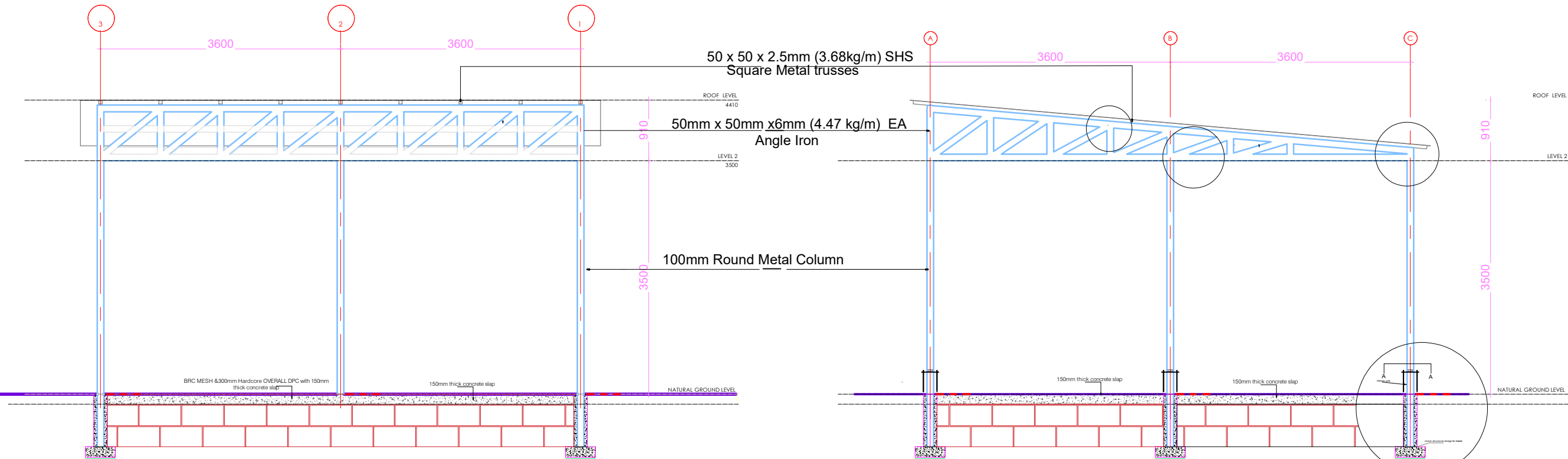
Project.

HOMES FOR NGARANNAM,
MAFA LGA, BORNO.

Drawing Title.

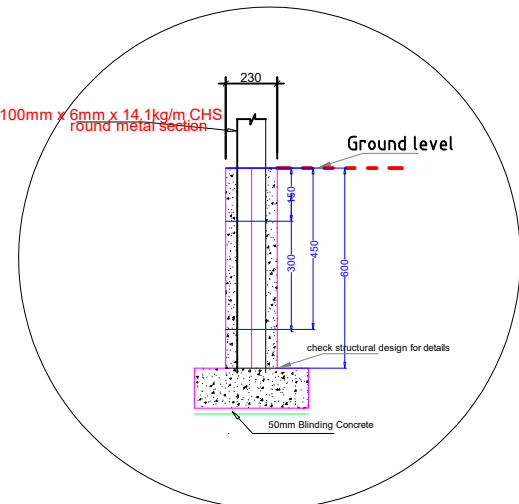
SHED SECTIONS

DESIGN		SHEET No.
CHECKED		02
CAD		Scale: 1:50
DATE	MARCH, 2021	



SECTION X-X

SECTION Y-Y



SECTION A-A

GENERAL NOTES.

- REINFORCED CONCRETE**
- DESIGN IS TO BS 8110
 - CONCRETE GRADES ARE TO BE AS FOLLOWS WITH FIGURES IN BRACKET DENOTING MAXIMUM SIZE
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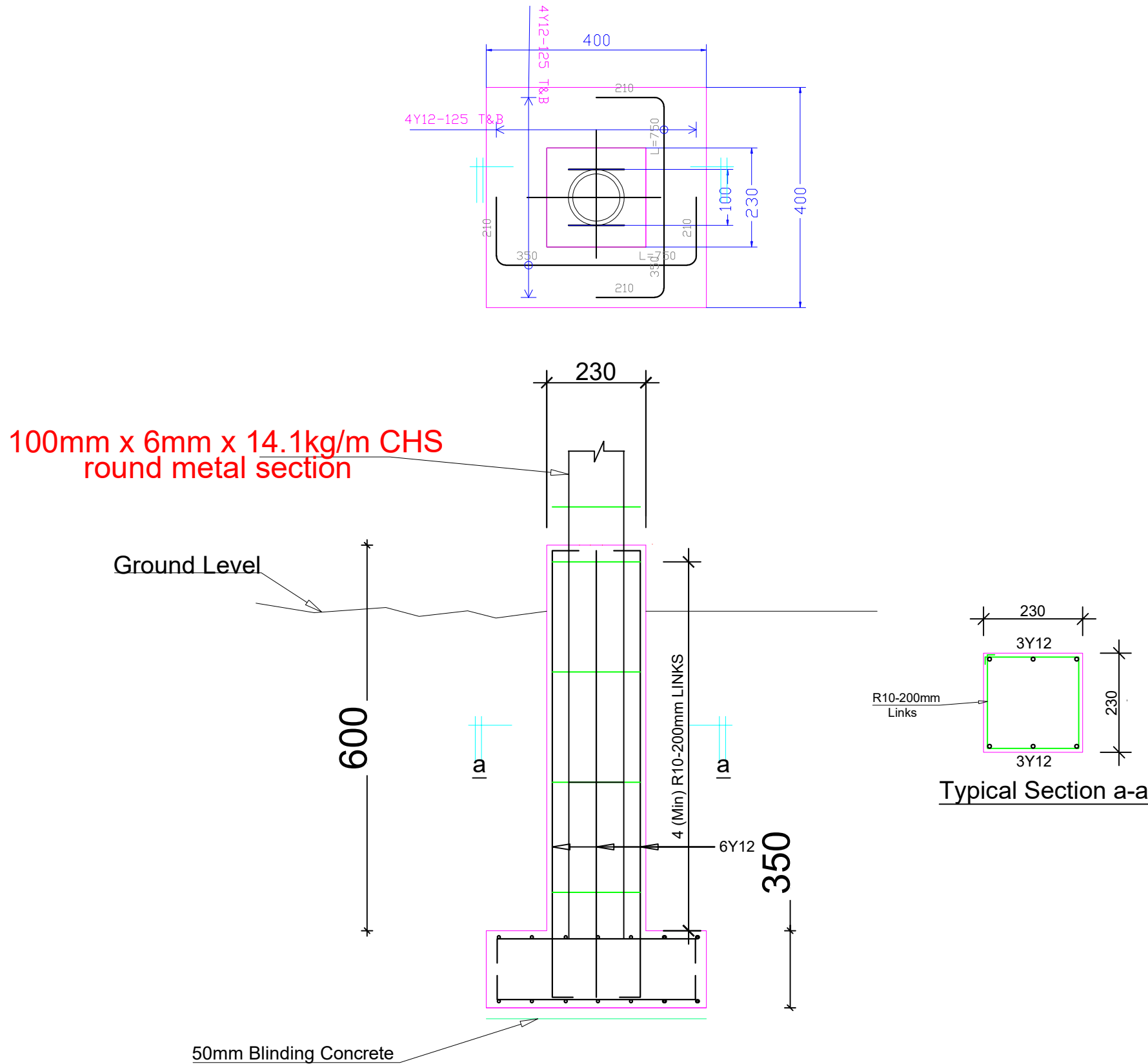
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 - MAXIMUM POUR HEIGHT FOR ALL FILLED BLOCK BLOCKWORK TO BE 2 COURSES AT A TIME.
 - ALL SERVICE PIPES SHALL ONLY BE PUT INSIDE BLOCKWORK AFTER DUE CONSULTATION WITH STRUCTURAL ENGINEERS, PUTTING SERVICE PIPES INSIDE LOAD BEARING BLOCKWORK CORNERS MUST BE AVOIDED.

No.	Revision/Notes.	Date.
1.	Issued for Tender	

Project.
**HOMES FOR NGARANNAM,
MAFA LGA, BORNO.**

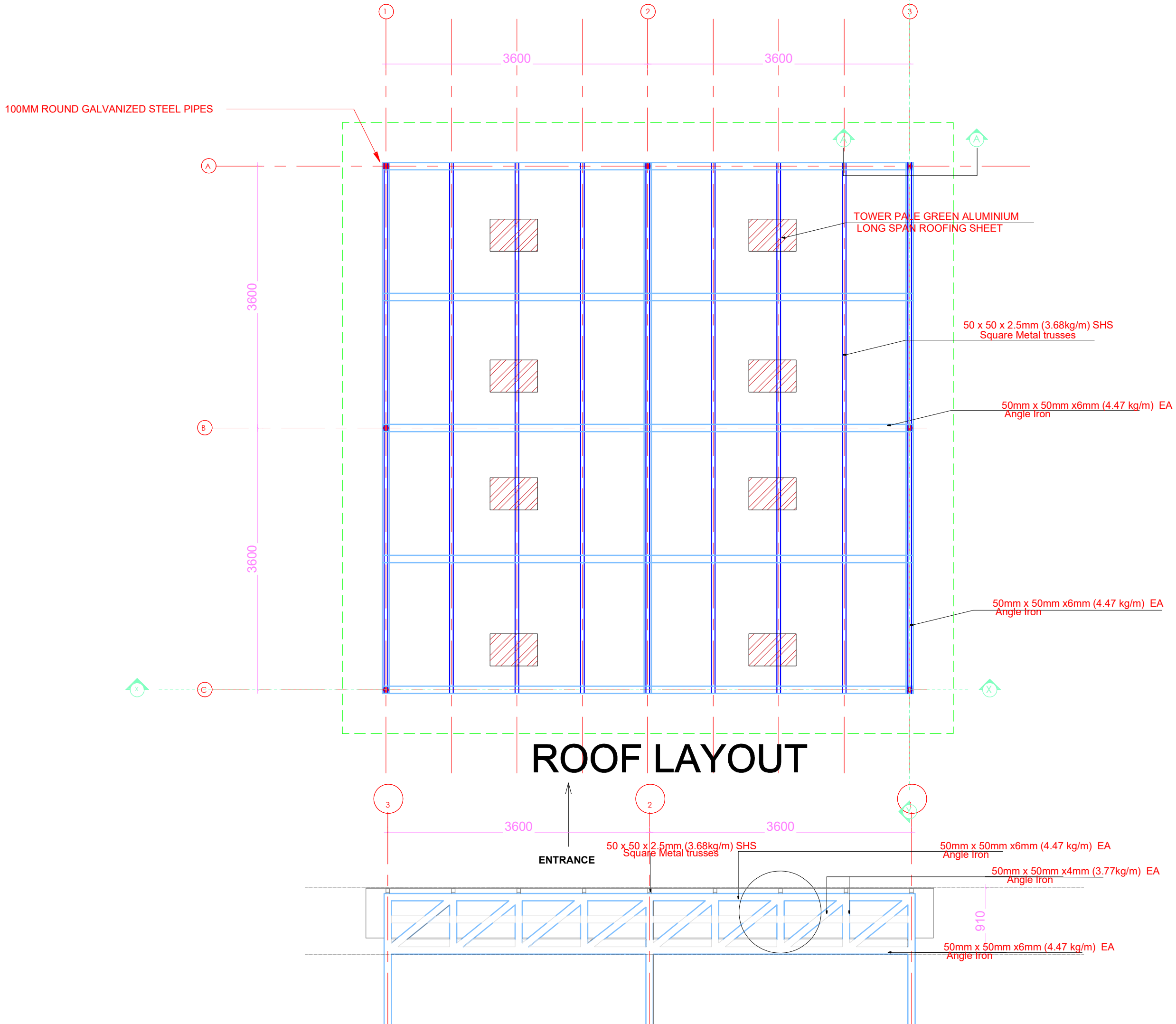
Drawing Title.
FOUNDATION DETAILS

DESIGN		SHEET No.
CHECKED		03
CAD		Scale: 1:50
DATE	MARCH, 2021	



FOUNDATION FOOTING DETAILS

SECTION A-A



GENERAL NOTES.

- REINFORCED CONCRETE**
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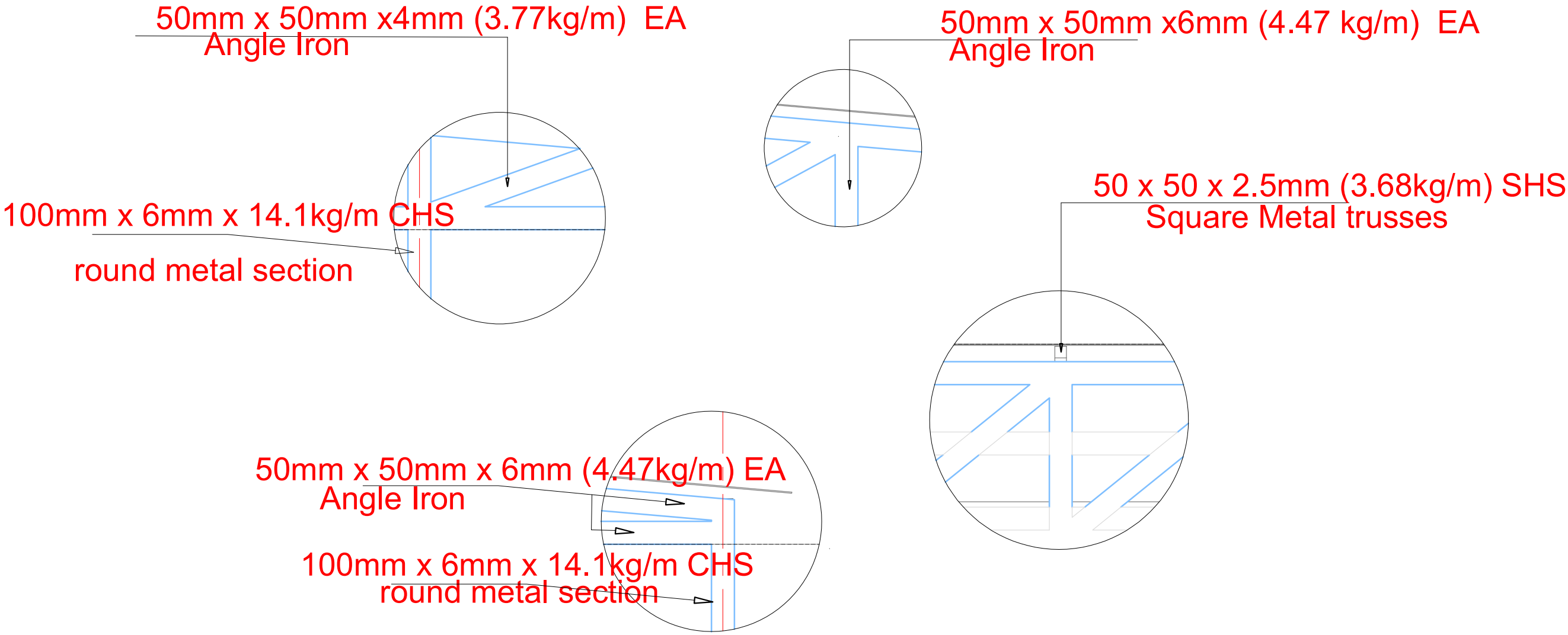
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No.	Revision/Notes.	Date.
1.	Issued for Tender	

Project.
**HOMES FOR NGARANNAM,
MAFA LGA, BORNO.**

Drawing Title.
SHED ROOF DETAILS

DESIGN		SHEET No.
CHECKED		04
CAD		Scale: 1:50
DATE	MARCH, 2021	



BLOWED-UP ROOF SECTIONS

GENERAL NOTES.

- REINFORCED CONCRETE**
- DESIGN IS TO BS 8110
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No.	Revision/Notes.	Date.
1.	Issued for Tender	

Project.
**HOMES FOR NGARANNAM,
MAFA LGA, BORNO.**

Drawing Title.
ROOF STEEL DETAILS

DESIGN		SHEET No. 05 Scale: 1:50
CHECKED		
CAD		
DATE	MARCH, 2021	