

**PROPOSED WARDILE BOREHOLE
REHABILITATION
-WARDILE DISTRICT-**

PROJECT:

**PROPOSED WARDILE
BOREHOLE REHABILITATION
-WARDILE DISTRICT-**

IMPLEMENTING AGENCY.



IOM International Organization for Migration

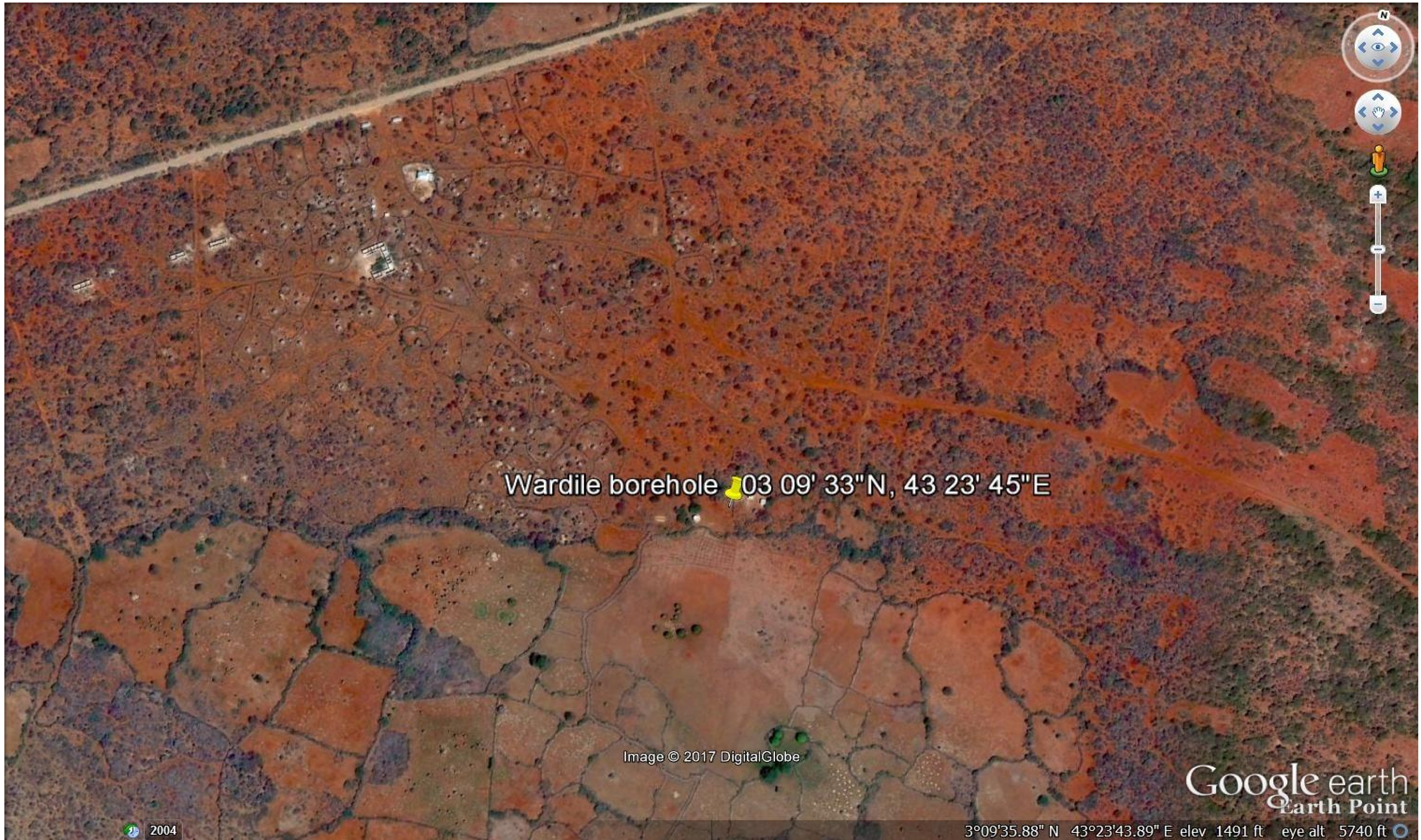
GOVERNMENT:

PROPOSED WARDILE BOREHOLE REHABILITATION

DRAWING INDEX

APRIL 2016

	SHEET N ^o	SHEET TITLE	DRAWING CONTENT
01.	01/32		Cover Page
02.	02/32		Drawing Index
03.	03/32		Site Location
04.	04/32		Site photos
05.	05/32		Proposed Master Plan
06.	06/32	WATER TANK	Floor Layout
07.	07/32		Elevations_1
08.	08/32		Elevations_2
09.	09/32		Sections
10.	10/32		3D Models
11.	11/32		Structural details
12.	12/32	GENERATOR SHED	Floor Layout
13.	13/32		Elevations
14.	14/32		Sections
15.	15/32		3D Models
16.	16/32		Structural details
17.	17/32	WATER KIOSK	Floor Layout
18.	18/32		Elevations
19.	19/32		Sections
20.	20/32		3D Models
21.	21/32	CARETAKERS ROOM	Floor Layout
22.	22/32		Elevations
23.	23/32		Sections
24.	24/32		3D Models
25.	25/32		Structural details
26.	26/32	LATRINES	Details
27.	27/32		3D Models
28.	28/32	BOUNDARY FENCE	Floor Layout
29.	29/32		Elevations_External 1
30.	30/32		Elevations_External 2
31.	31/32	WATER TROUGHS	Layout
31.	32/32		3D Scenes



Wardile borehole 03 09' 33"N, 43 23' 45"E

Image © 2017 DigitalGlobe

Google earth
Earth Point

3°09'35.88" N 43°23'43.89" E elev 1491 ft eye alt 5740 ft

2004

PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

Coordinates

Ref.	Latitude	Longitude
Site.	03° 20' 33" S.	043° 23' 45" E.

SHEET TITLE:
SITE LOCATION

SCALE	
DATE	APRIL, 2017
DESIGNED BY:	J. NANDWA
DRAWN BY:	J. NANDWA
REVIEWED BY:	
APPROVED BY:	

DRAWING TITLE:
DRAWING N^o:
PROJECT N^o:

LOCATION

SHEET N^o:
03 / 32



PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

SHEET TITLE:
EXISTING SITE PHOTOS

SCALE		DRAWING TITLE:	
DATE	APRIL, 2017	DRAWING N ^o :	
DESIGNED BY:	J. NANDWA	PROJECT N ^o :	
DRAWN BY:	J. NANDWA		
REVIEWED BY:			
APPROVED BY:			

SITE PHOTOS
SHEET N^o:
04/32



PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

SHEET TITLE:
PROPOSED MASTER PLAN

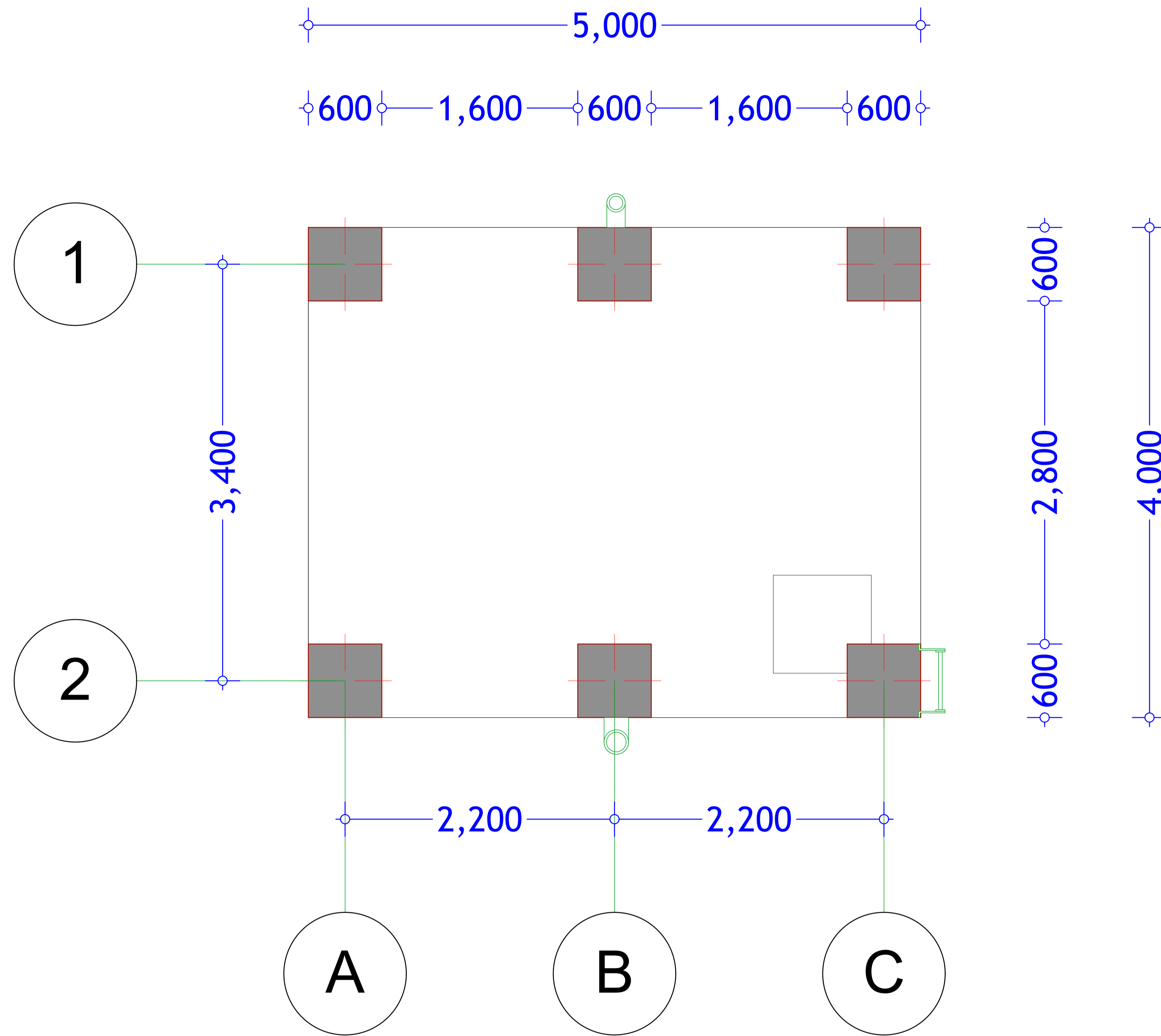
SCALE	
DATE	APRIL, 2017
DESIGNED BY:	J. NANDWA
DRAWN BY:	J. NANDWA
REVIEWED BY:	
APPROVED BY:	

DRAWING TITLE:	
DRAWING N^o:	
PROJECT N^o:	

MASTER PLAN

SHEET N^o:
05/32

A3



Floor plan

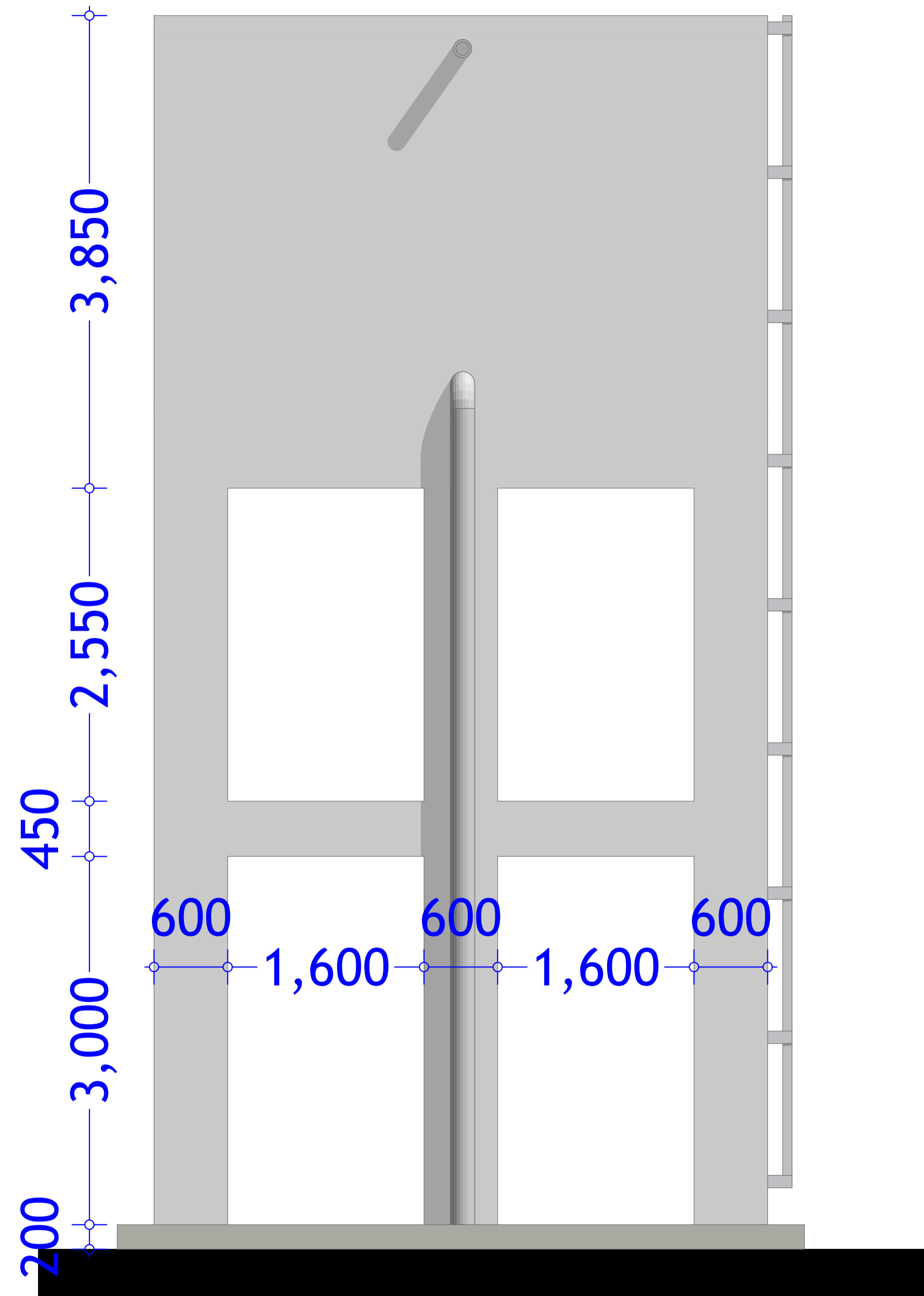
PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

SHEET TITLE:
FLOOR LAYOUT

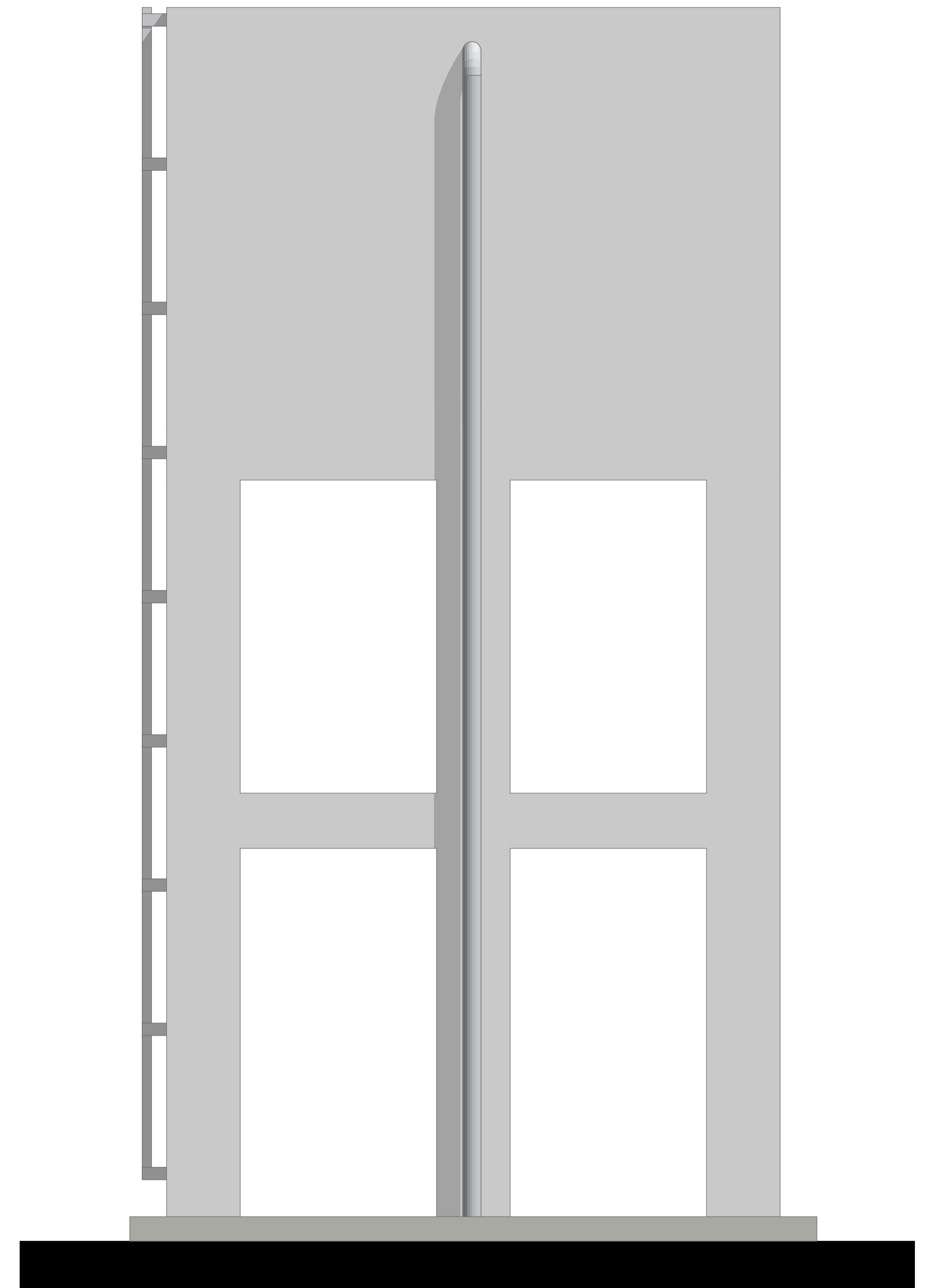
SCALE		DRAWING TITLE:	
DATE	APRIL, 2017	DRAWING N ^o :	
DESIGNED BY:	J. NANDWA	PROJECT N ^o :	
DRAWN BY:	J. NANDWA		
REVIEWED BY:			
APPROVED BY:			

WATER TANK

SHEET N^o:
06 / 32



South Elevation



North Elevation

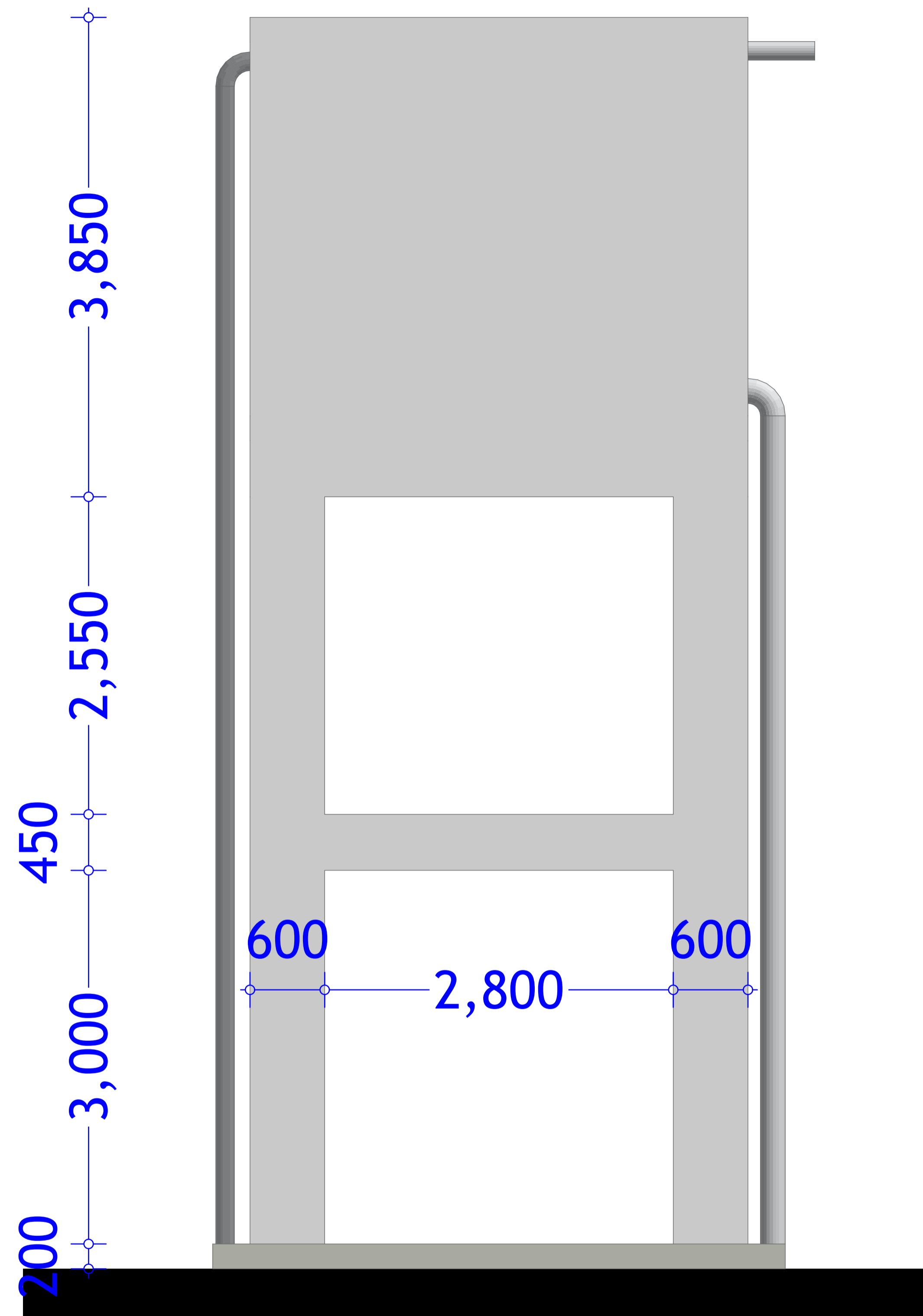
PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

SHEET TITLE:
ELEVATIONS_1

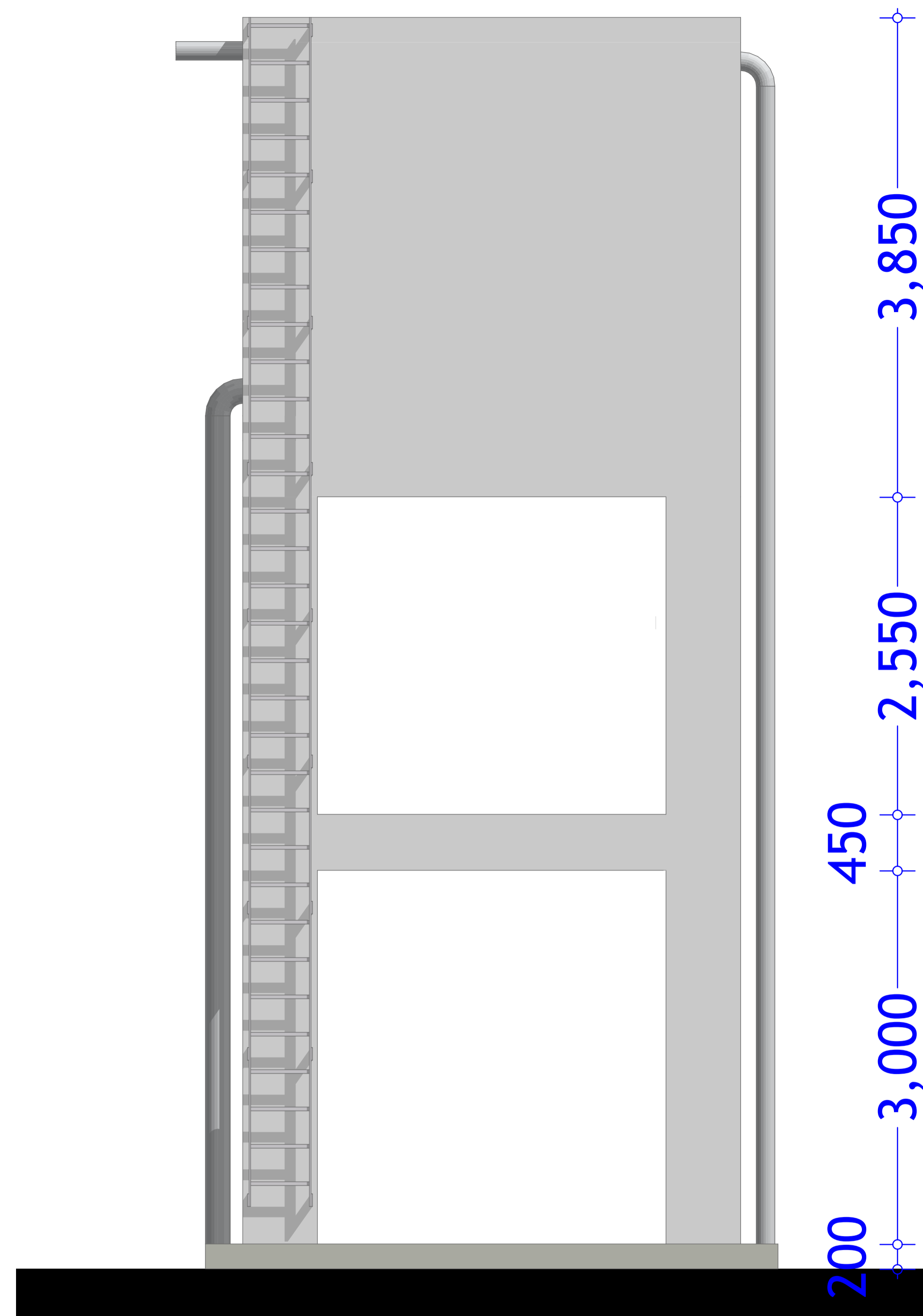
SCALE	
DATE	APRIL, 2017
DESIGNED BY:	J. NANDWA
DRAWN BY:	J. NANDWA
REVIEWED BY:	
APPROVED BY:	

DRAWING TITLE:	
DRAWING N ^o :	
PROJECT N ^o :	

WATER TANK
SHEET N ^o : 07 / 32



West Elevation



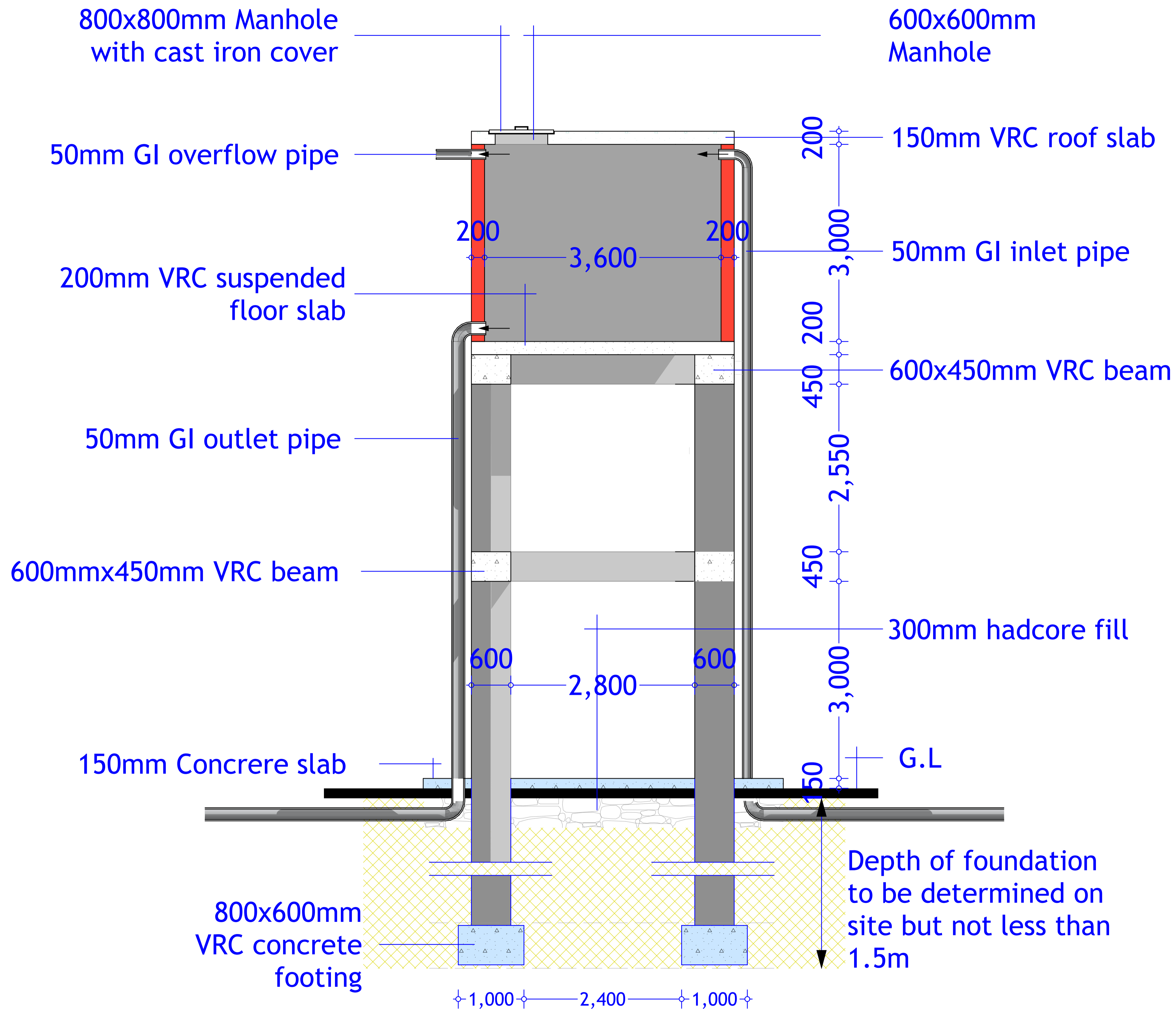
East Elevation

PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

SHEET TITLE:
ELEVATIONS_2

SCALE		DRAWING TITLE:	
DATE	APRIL, 2017	DRAWING N ^o :	
DESIGNED BY:	J. NANDWA	PROJECT N ^o :	
DRAWN BY:	J. NANDWA		
REVIEWED BY:			
APPROVED BY:			

SHEET N^o:
08 / 32



Sectional Elevation

PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

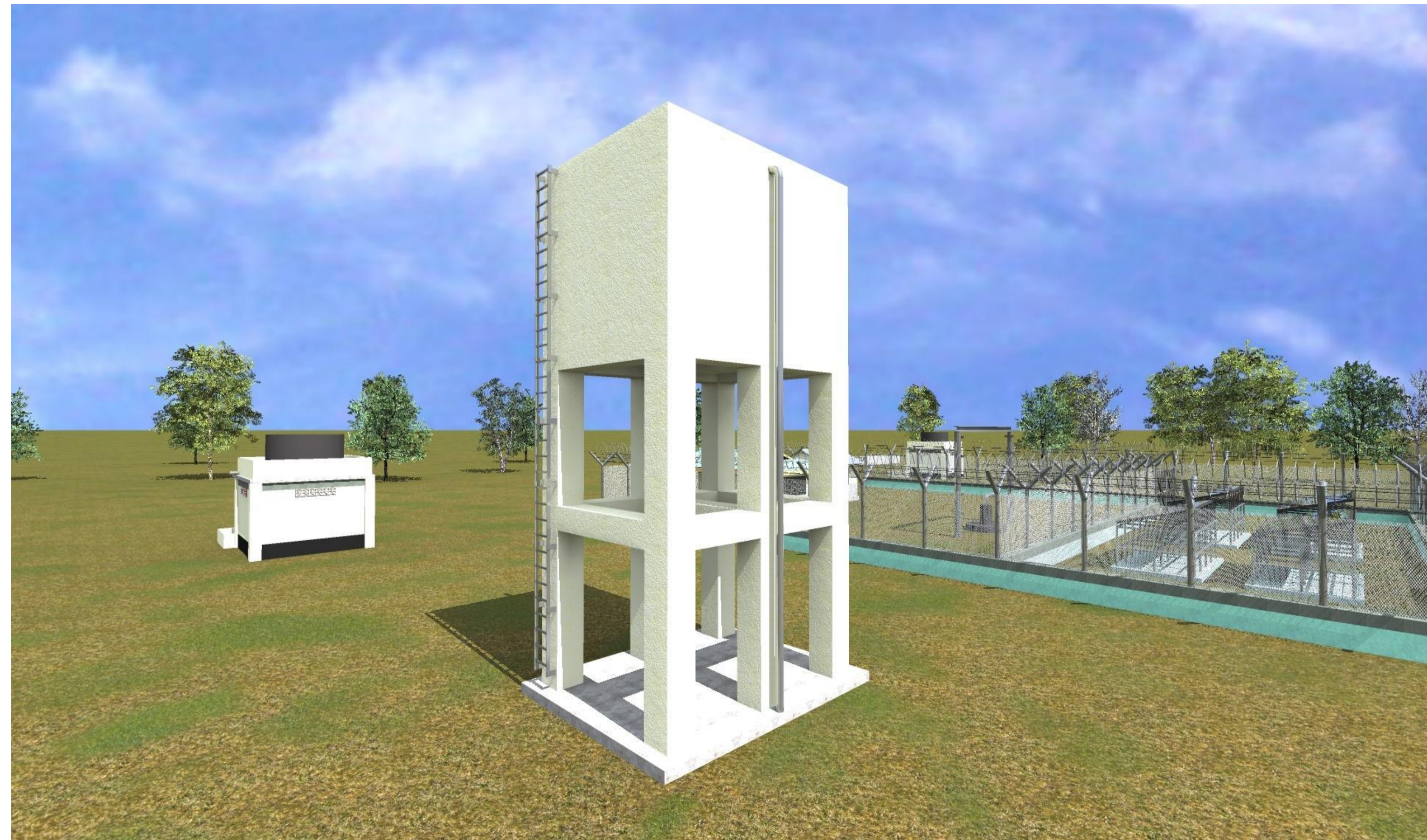
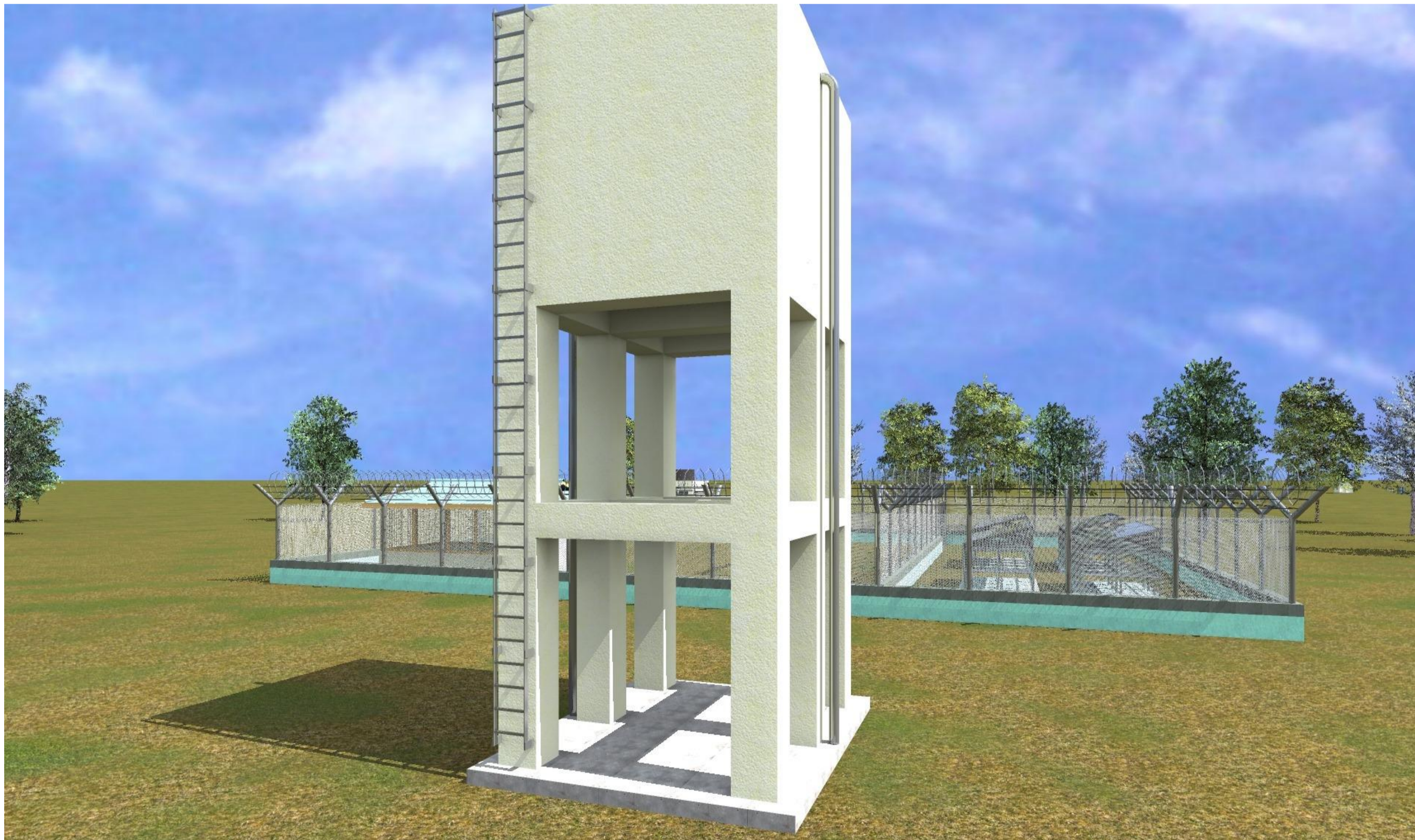
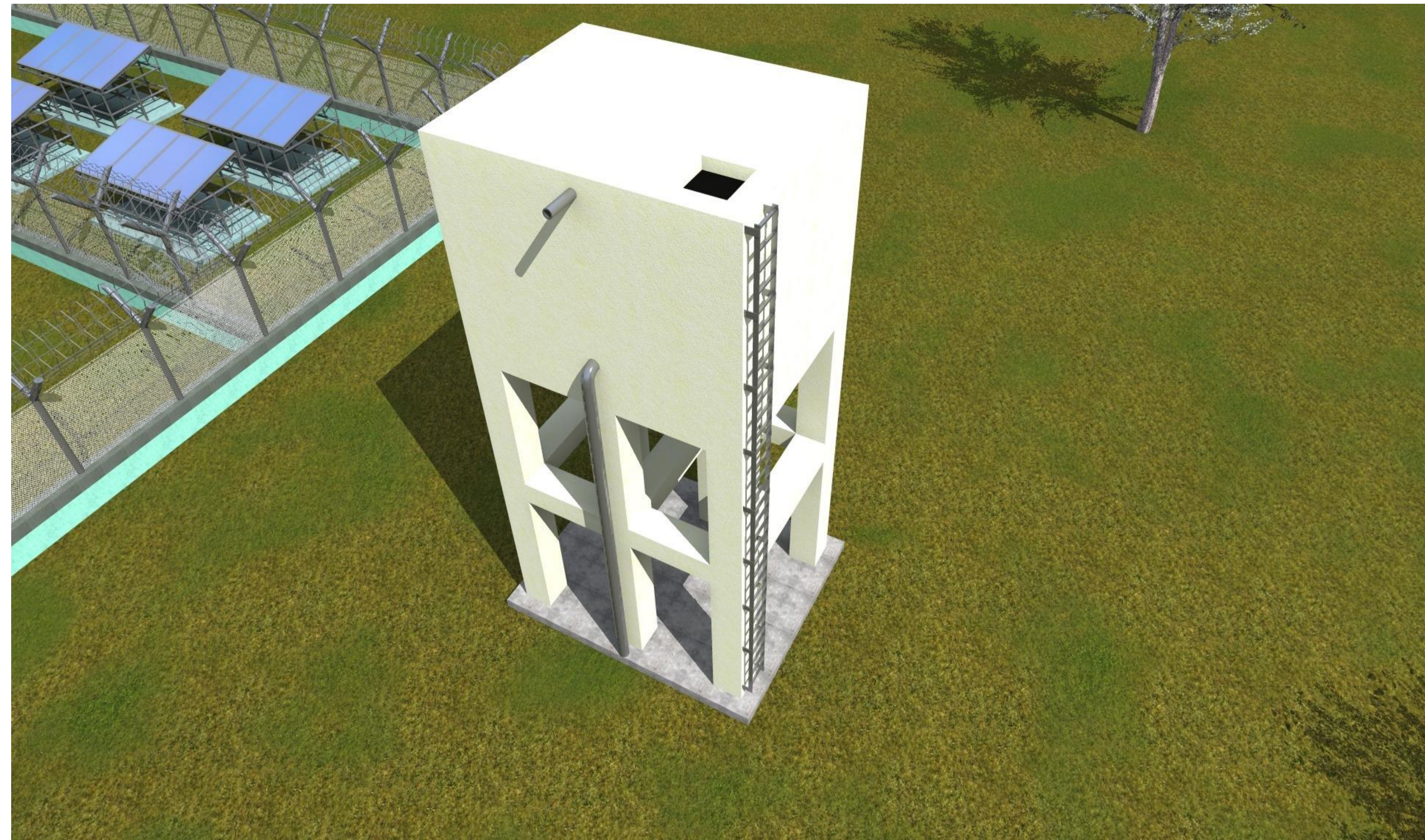
SHEET TITLE:
SECTIONS

SCALE		DRAWING TITLE:
DATE	APRIL, 2017	DRAWING N ^o :
DESIGNED BY:	J. NANDWA	PROJECT N ^o :
DRAWN BY:	J. NANDWA	
REVIEWED BY:		
APPROVED BY:		

WATER TANK

SHEET N^o:

09 / 32



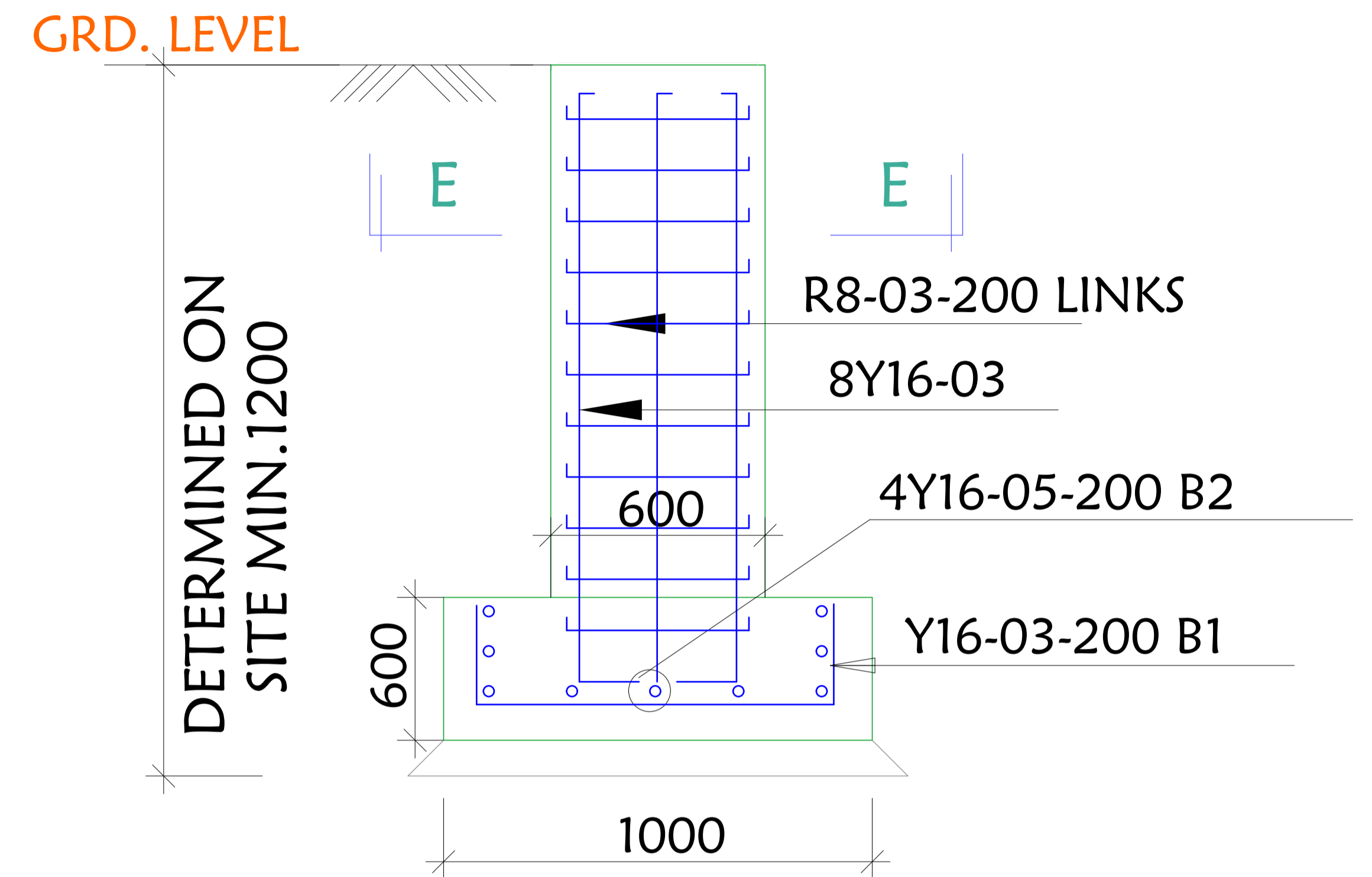
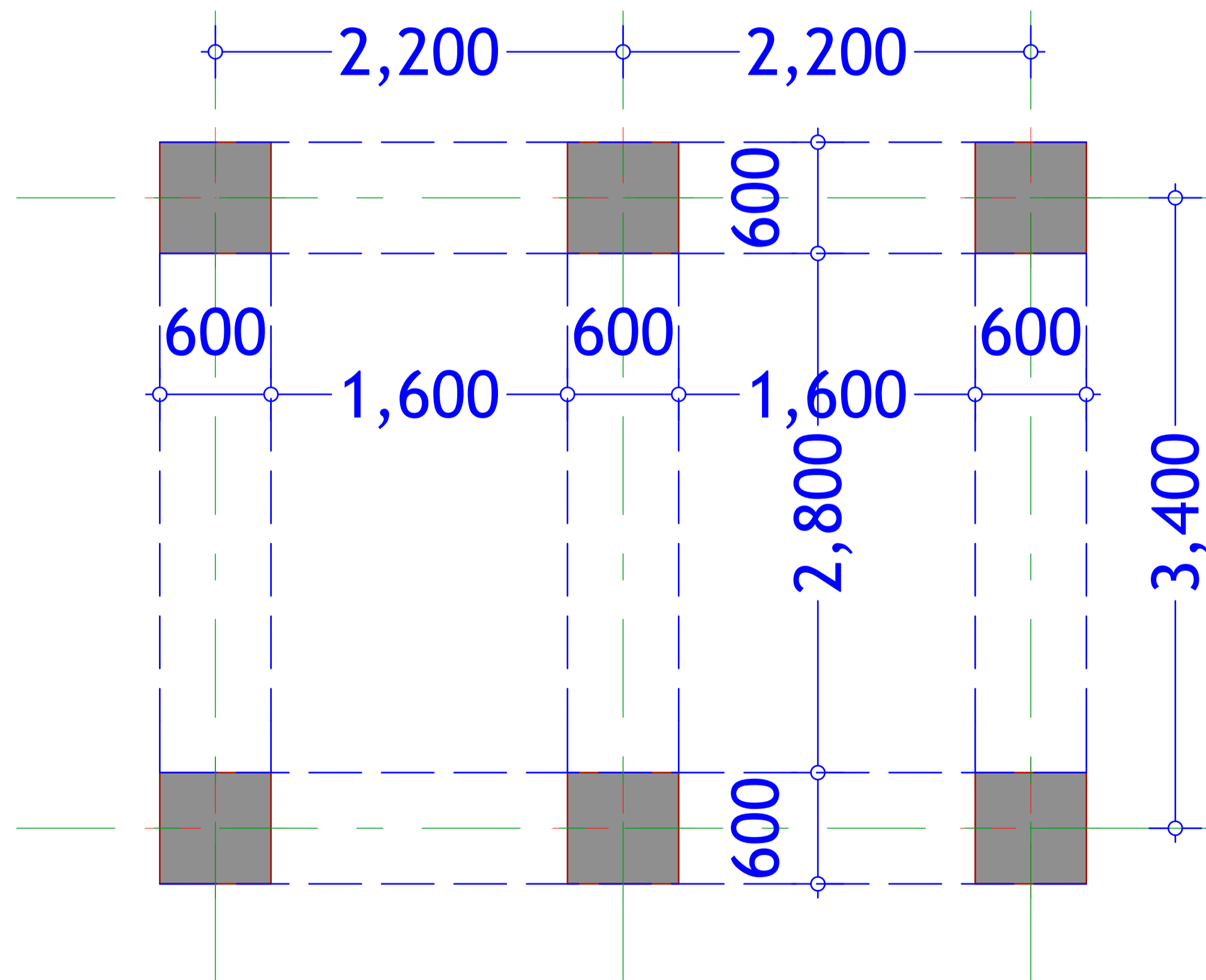
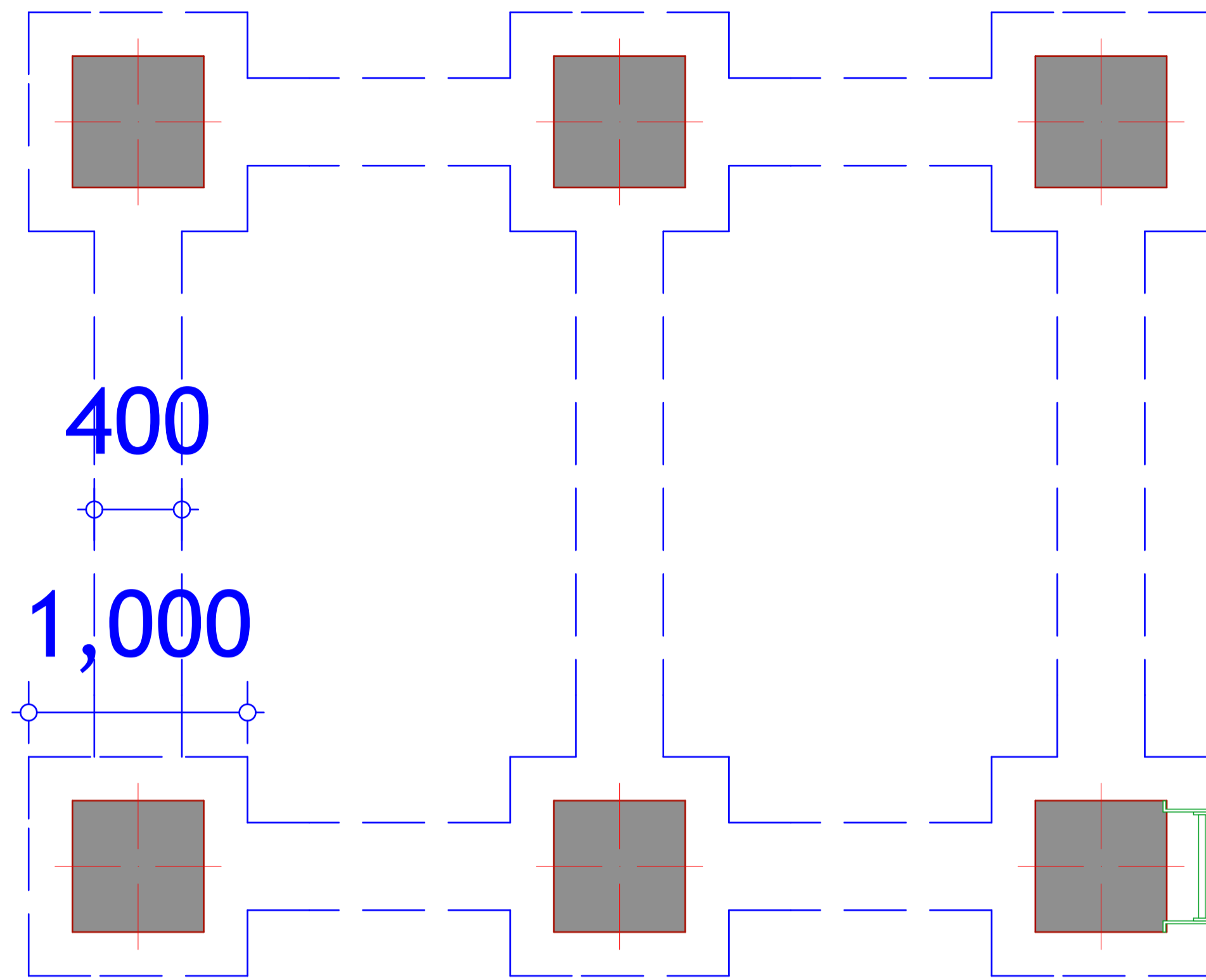
PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

SHEET TITLE:
3D PRESENTATION

SCALE	
DATE	APRIL, 2017
DESIGNED BY:	J. NANDWA
DRAWN BY:	J. NANDWA
REVIEWED BY:	
APPROVED BY:	

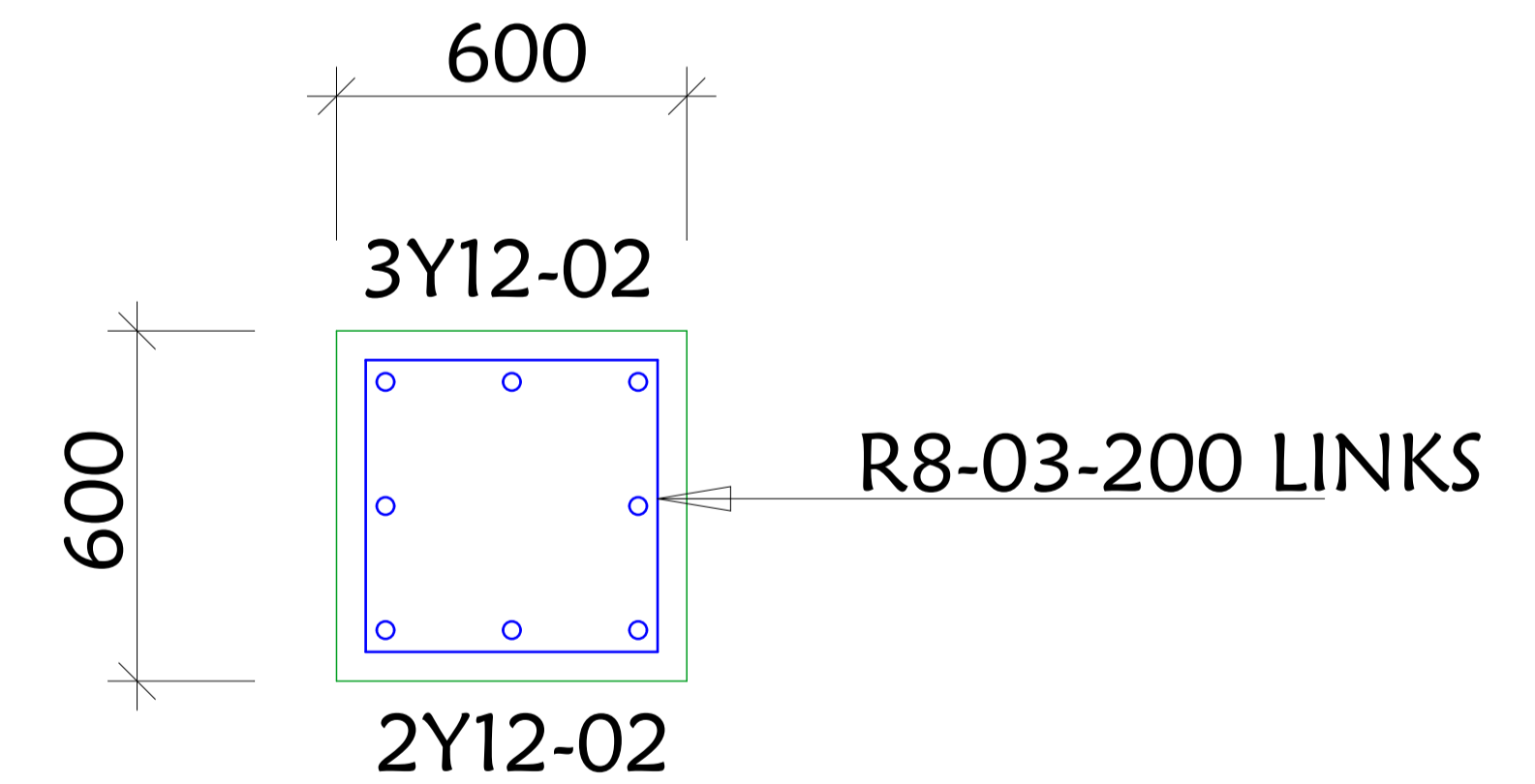
DRAWING TITLE:
DRAWING N^o:
PROJECT N^o:

WATER TANK
SHEET N^o:
10/32



SECTION D-D

SCALE 1:25



SECTION E-E (Column)

SCALE 1:25

PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

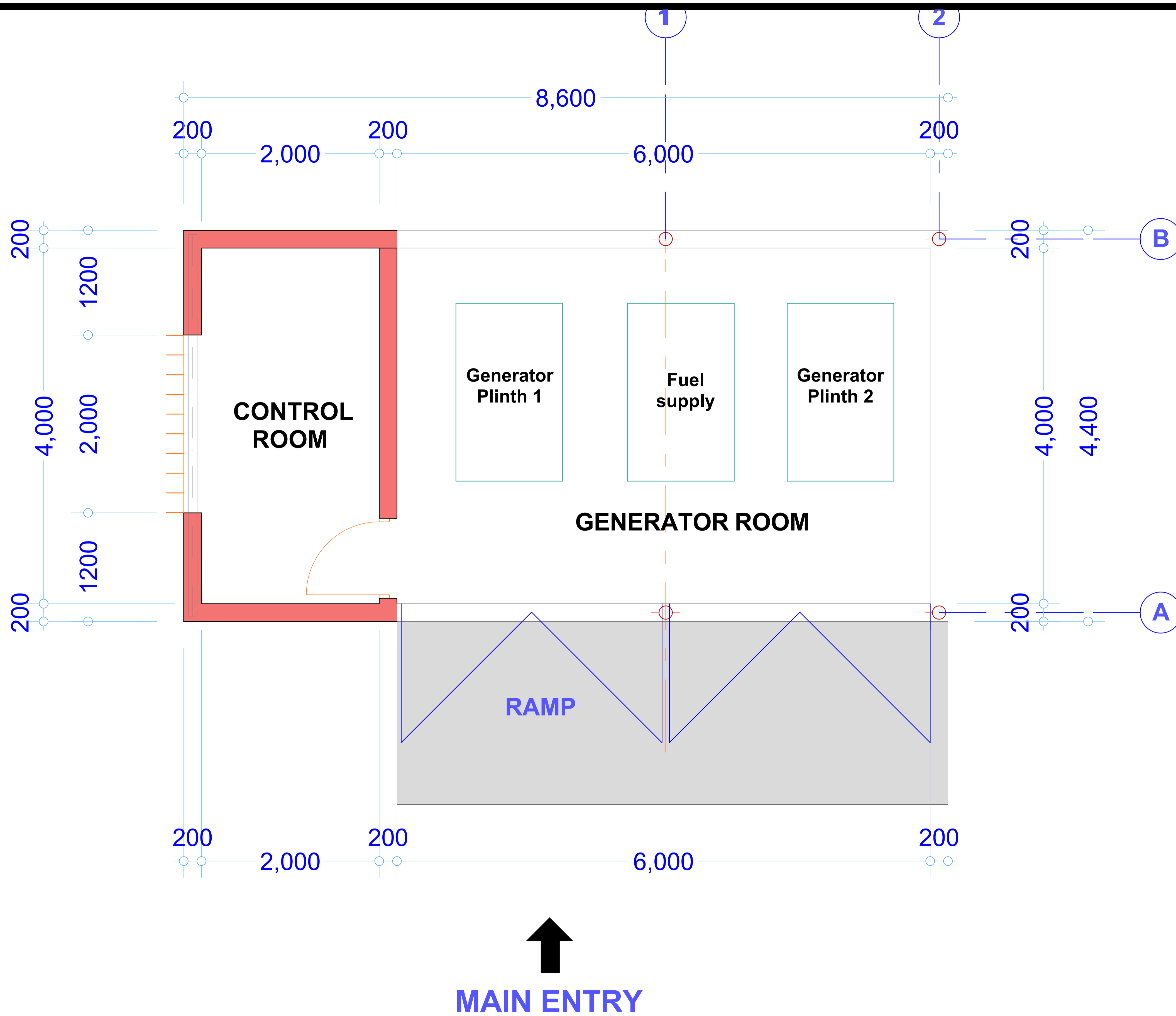
SHEET TITLE:
STRUCT. DETAIL (Foundation)

SCALE		DRAWING TITLE:	
DATE	APRIL, 2017	DRAWING N ^o :	
DESIGNED BY:	J. NANDWA	PROJECT N ^o :	
DRAWN BY:	J. NANDWA		
REVIEWED BY:			
APPROVED BY:			

WATER TANK

SHEET N^o:

11/32



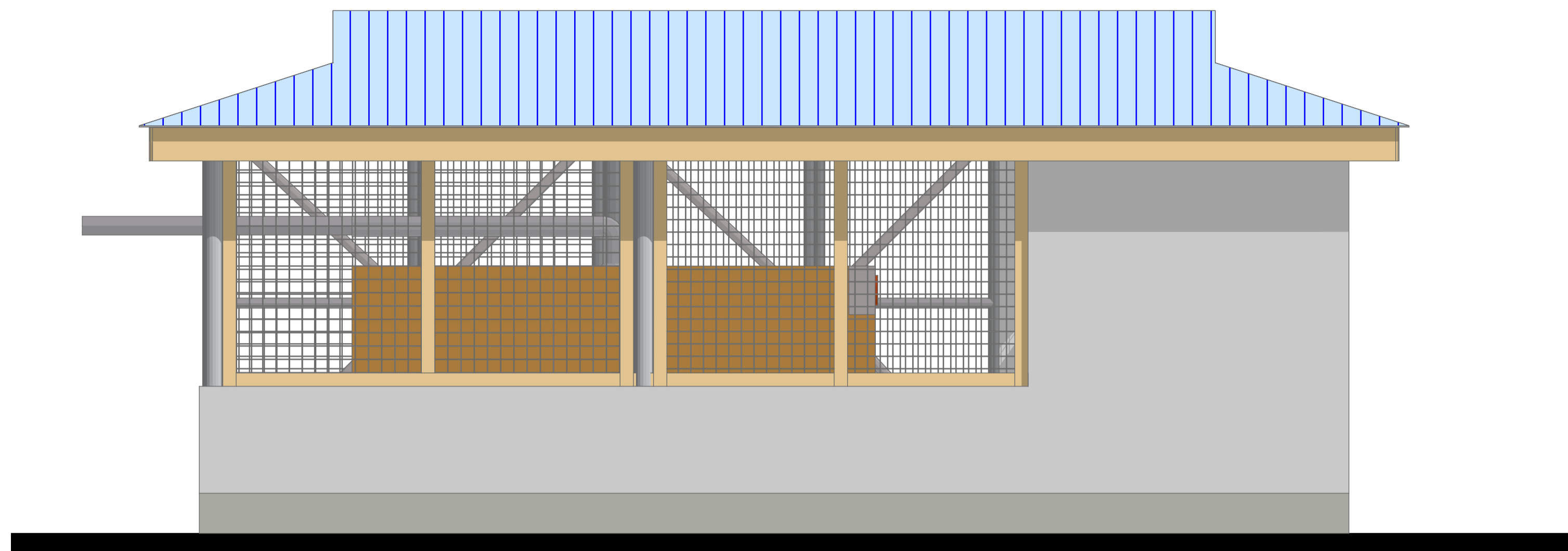
MAIN ENTRY

PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

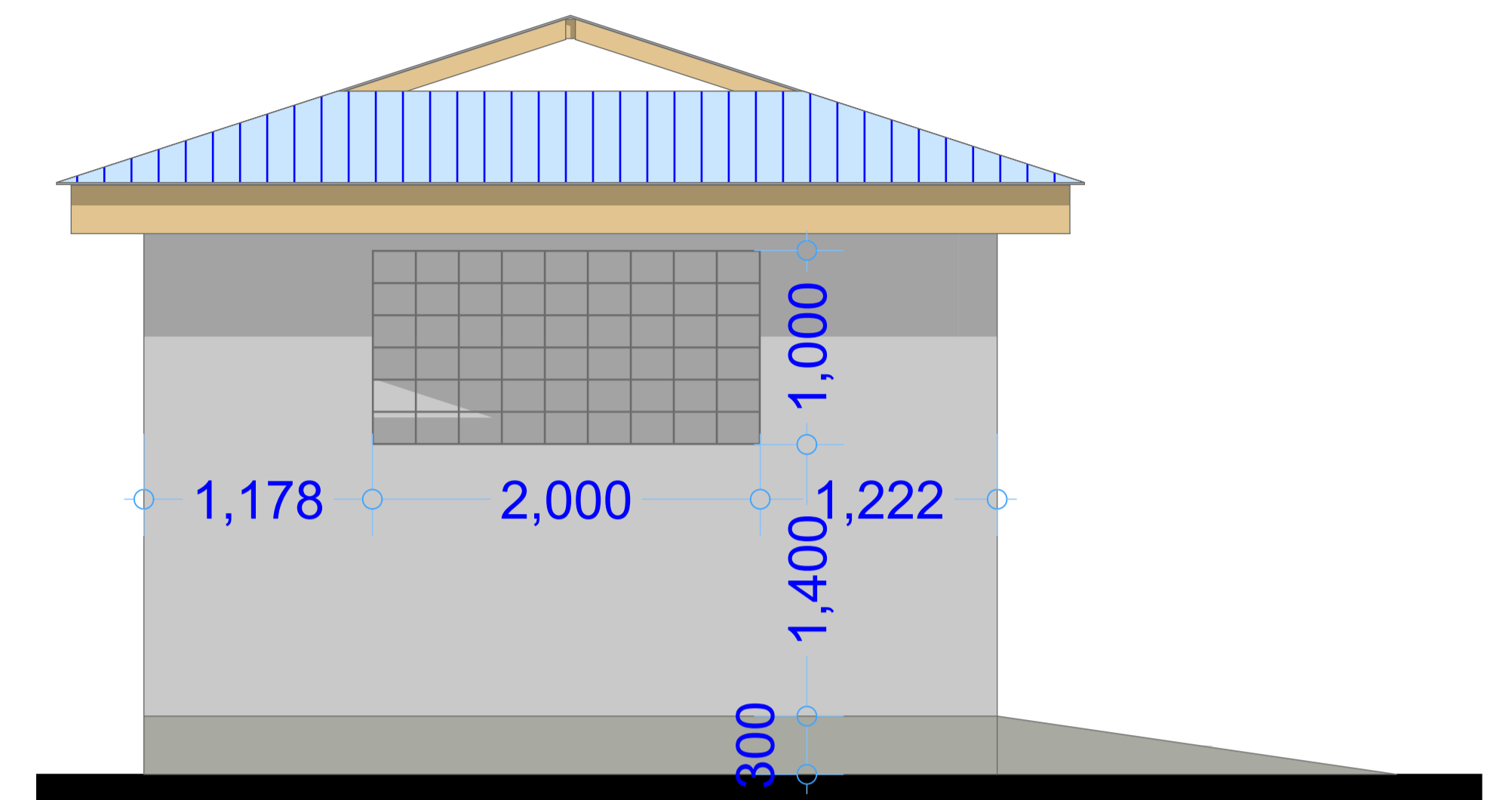
SHEET TITLE:
FLOOR LAYOUT

SCALE		DRAWING TITLE:	GENERATOR SHED
DATE	APRIL, 2017	DRAWING N^o:	
DESIGNED BY:	J. NANDWA	PROJECT N^o:	
DRAWN BY:	J. NANDWA		
REVIEWED BY:			
APPROVED BY:			

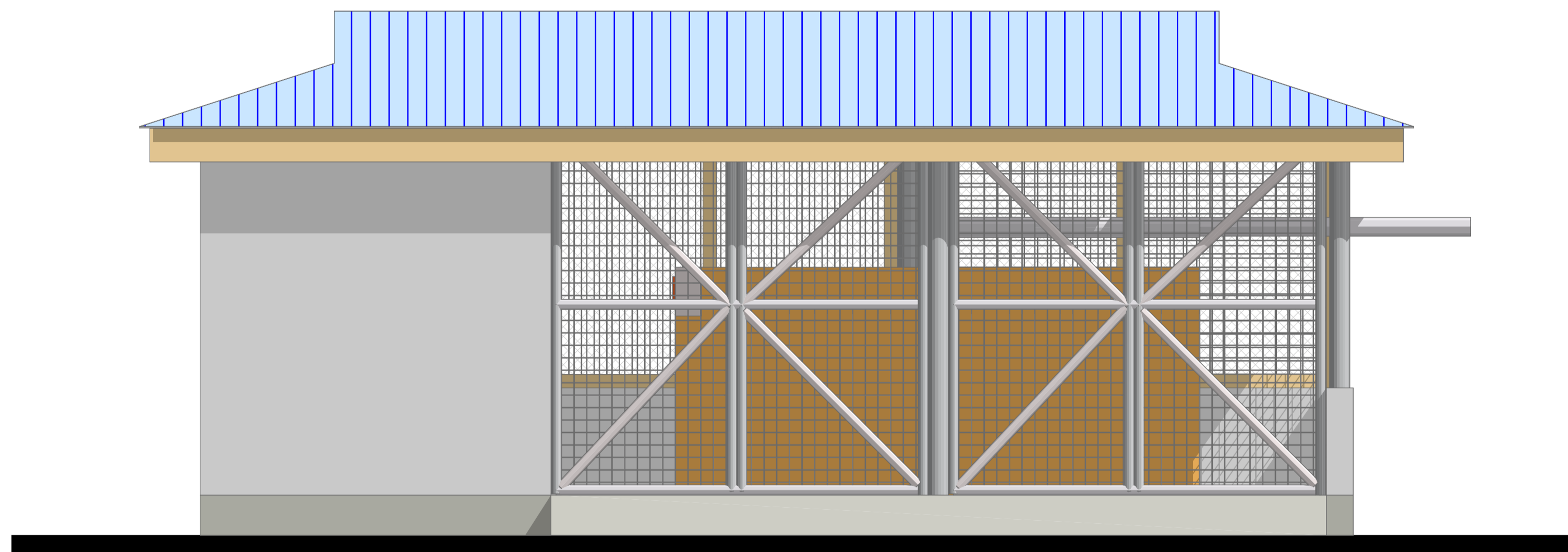
SHEET N^o:
12/32



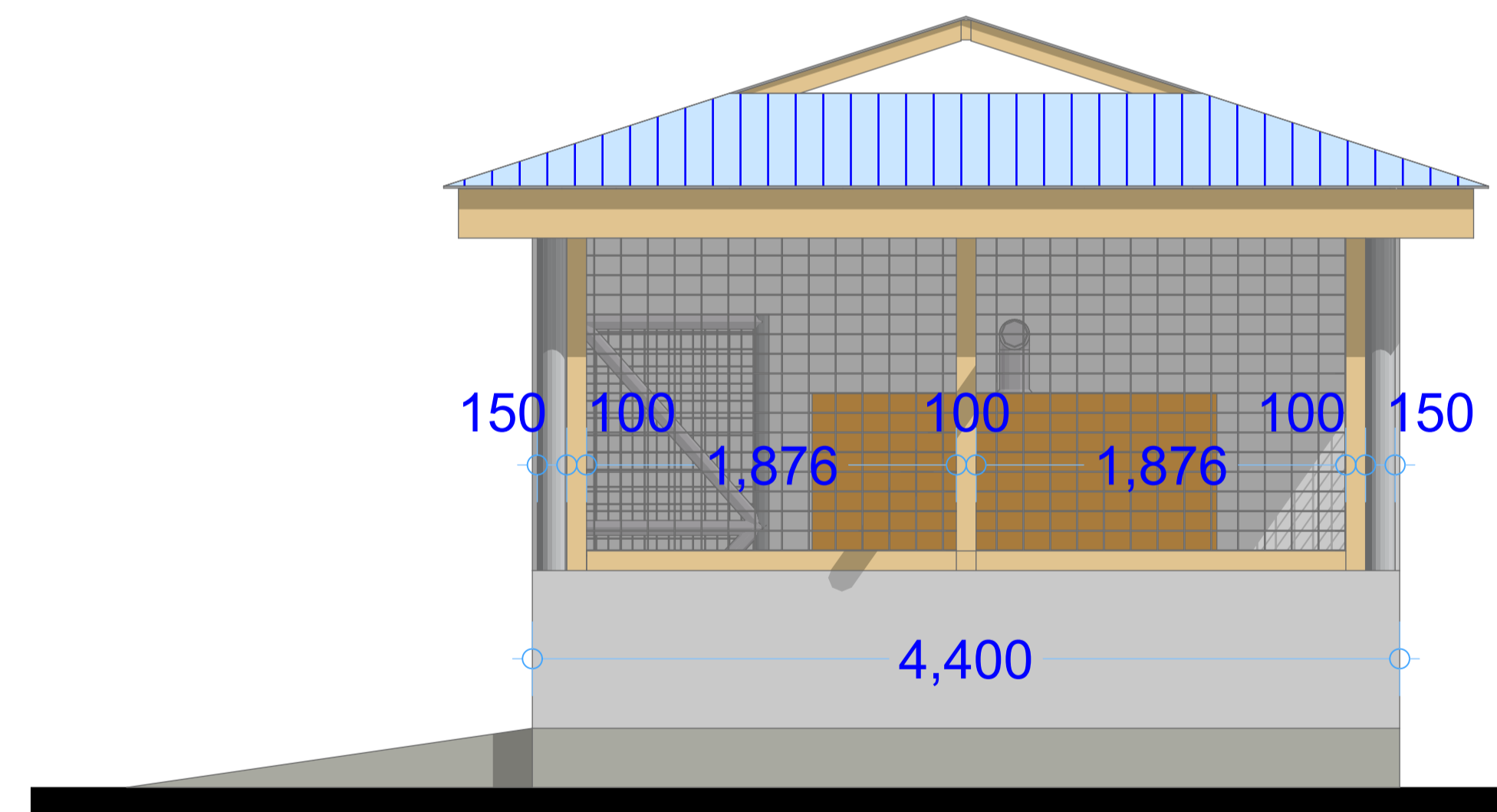
SOUTH ELEVATION



EAST ELEVATION



NORTH ELEVATION



WEST ELEVATION

PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

SHEET TITLE:
ELEVATIONS

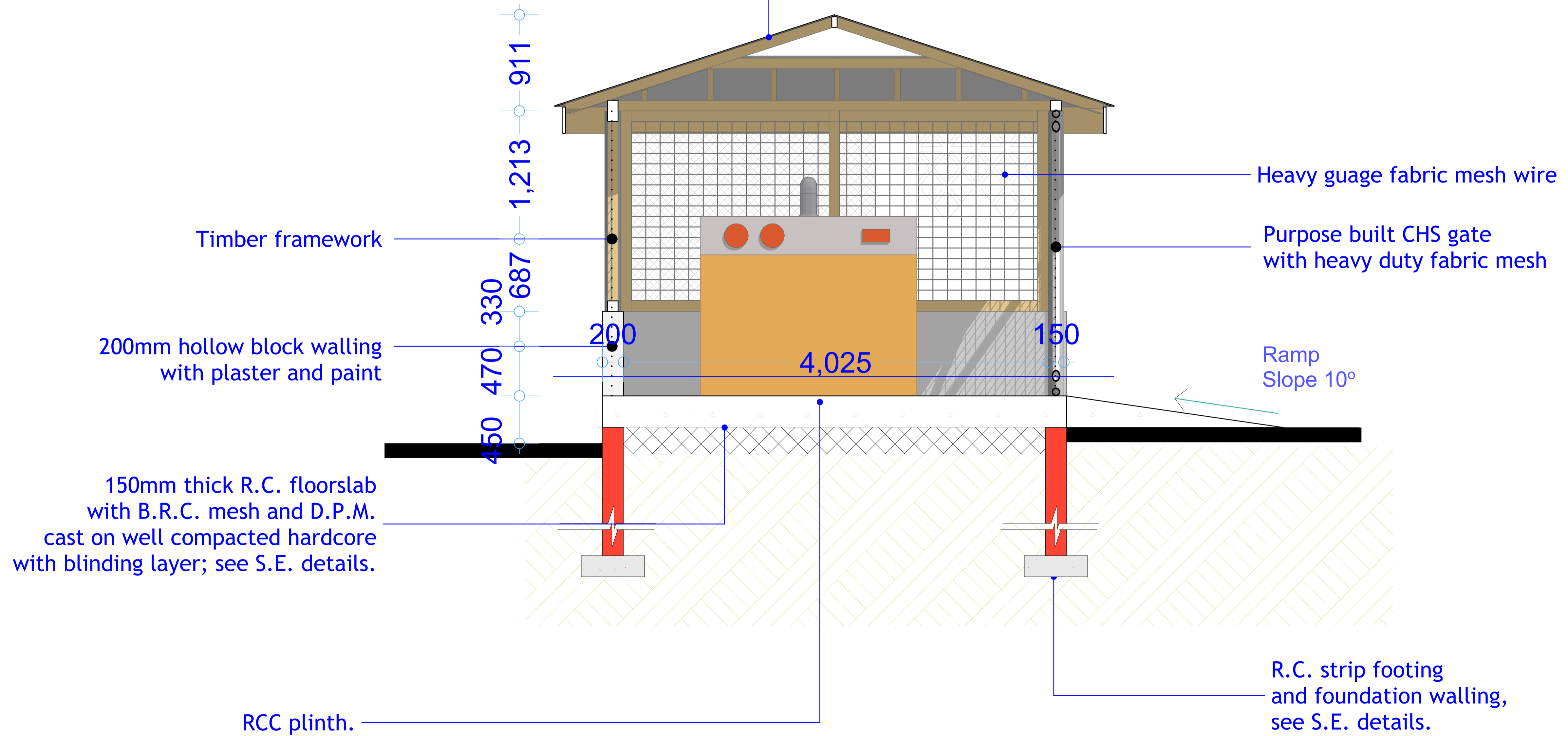
SCALE	
DATE	APRIL, 2017
DESIGNED BY:	J. NANDWA
DRAWN BY:	J. NANDWA
REVIEWED BY:	
APPROVED BY:	

DRAWING TITLE:	
DRAWING N ^o :	
PROJECT N ^o :	

GENERATOR SHED

SHEET N^o:
13/32

Gauge 28 prepainted iron resincot roofing sheets: IT4 box profile, nailed on sawn hardwood structure.
 Roof pitch=22°.
 For structure; see S.E. details.

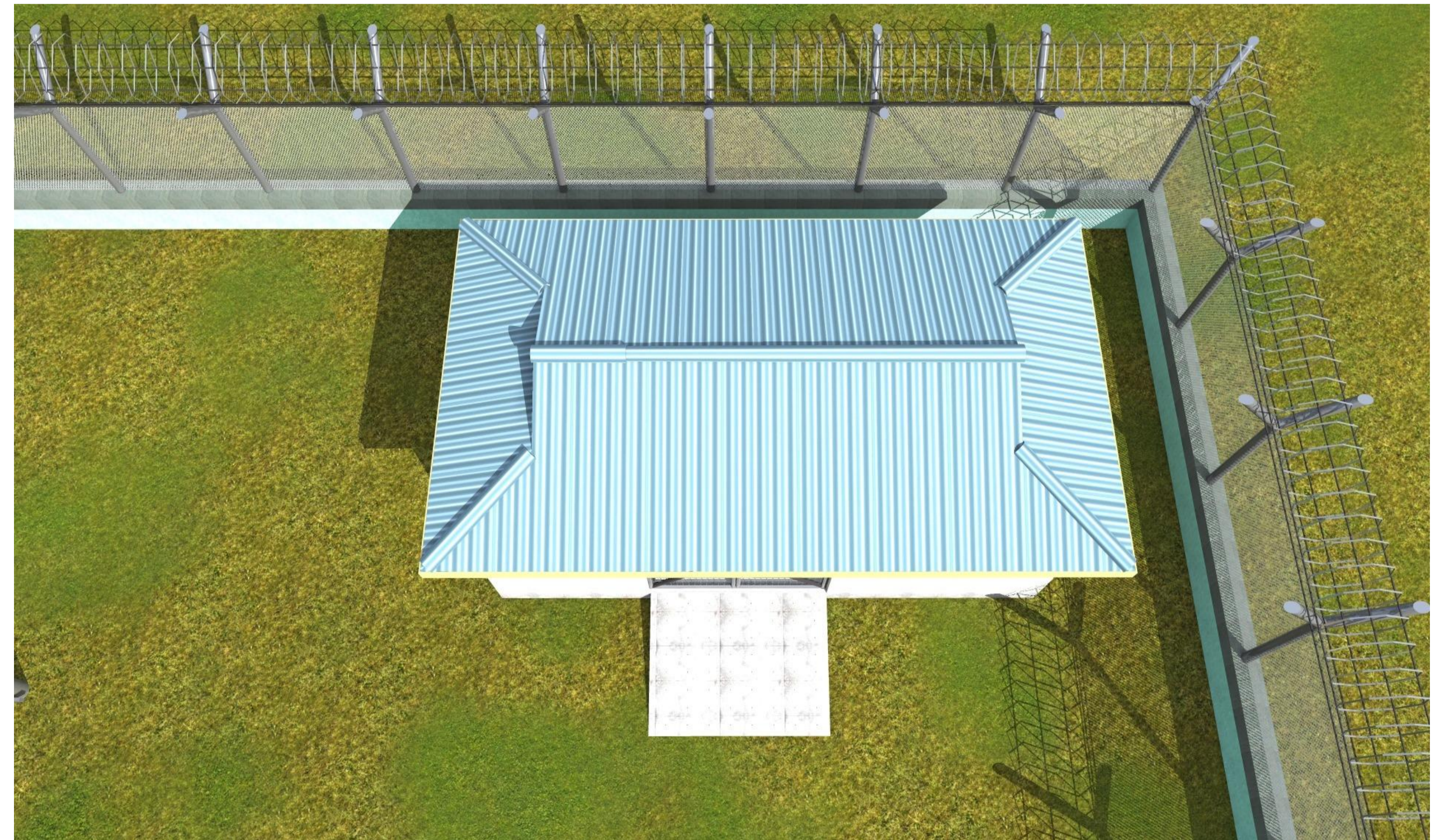


PROJECT. PROPOSED AFMADHOW BOREHOLE
 REHABILITATION
 -WARDILE DISTRICT-

SHEET TITLE:
 SECTIONS

SCALE		DRAWING TITLE:	GENERATOR SHED
DATE	APRIL, 2017	DRAWING N ^o :	
DESIGNED BY:	J. NANDWA	PROJECT N ^o :	
DRAWN BY:	J. NANDWA		
REVIEWED BY:			
APPROVED BY:			

SHEET N^o:
 14/32

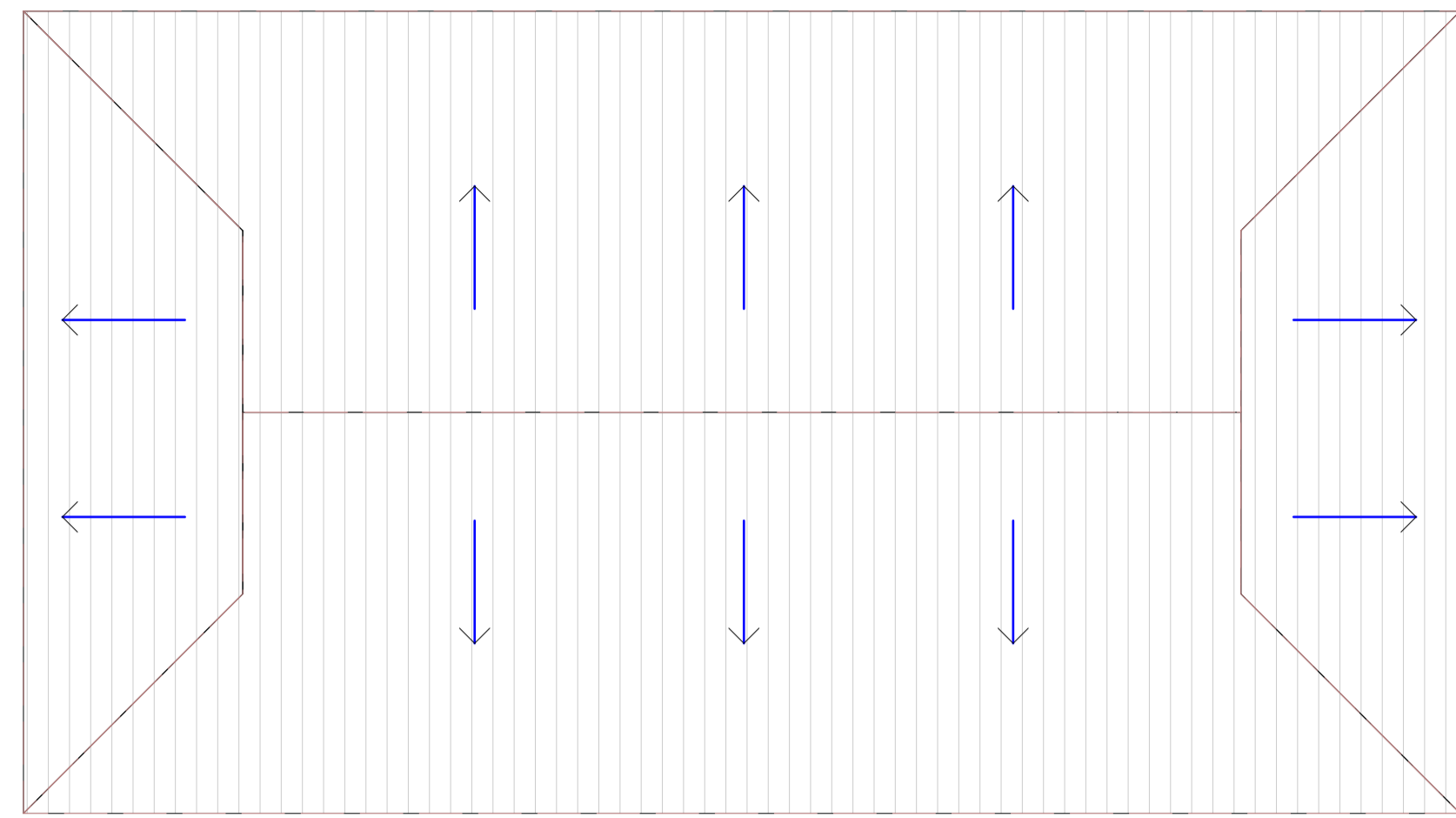


PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

SHEET TITLE:
3D PRESENTATION

SCALE		DRAWING TITLE:	GENERATOR SHED
DATE	APRIL, 2017	DRAWING N^o:	
DESIGNED BY:	J. NANDWA	PROJECT N^o:	
DRAWN BY:	J. NANDWA		
REVIEWED BY:			
APPROVED BY:			

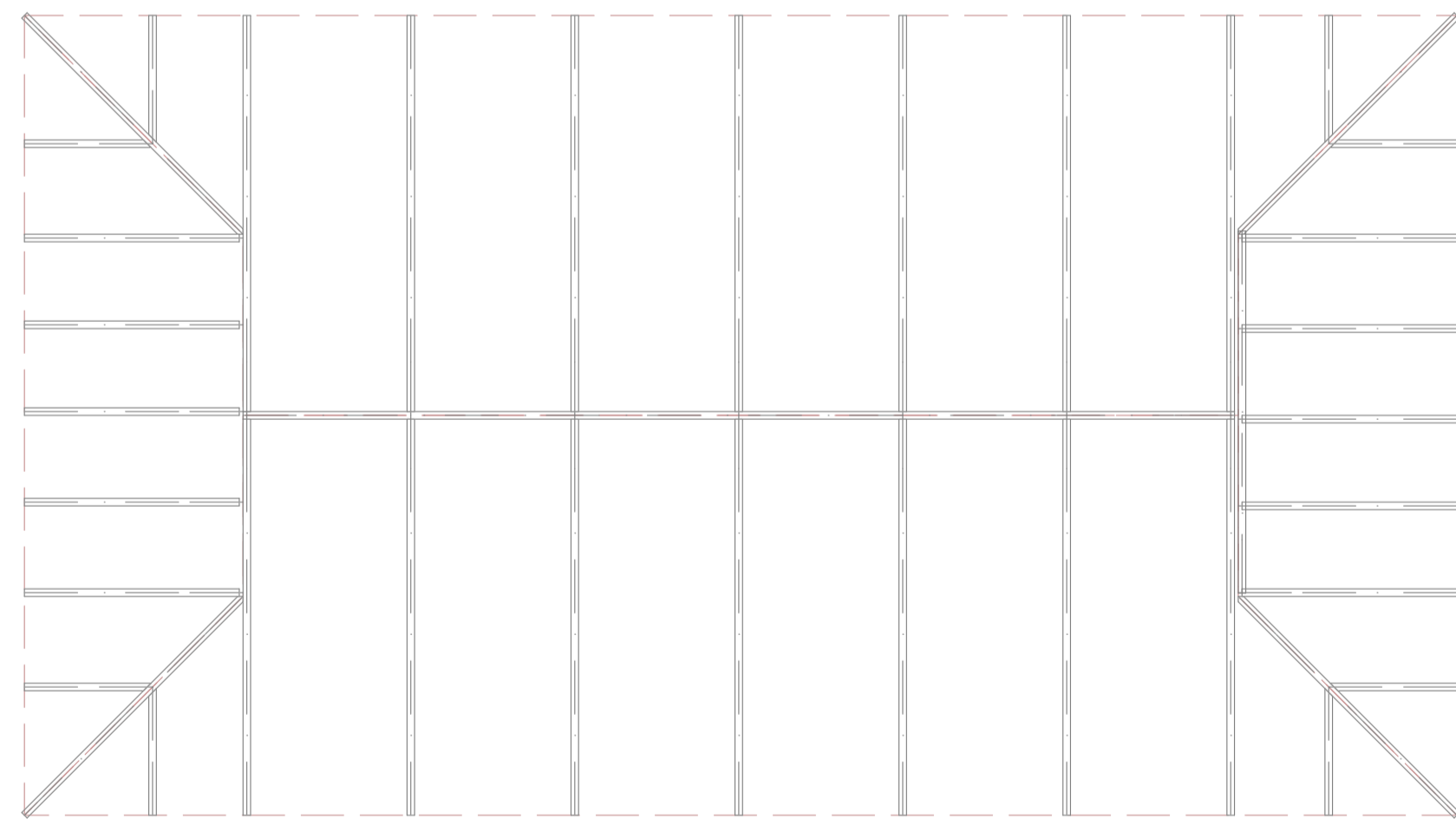
SHEET N^o:
15/32



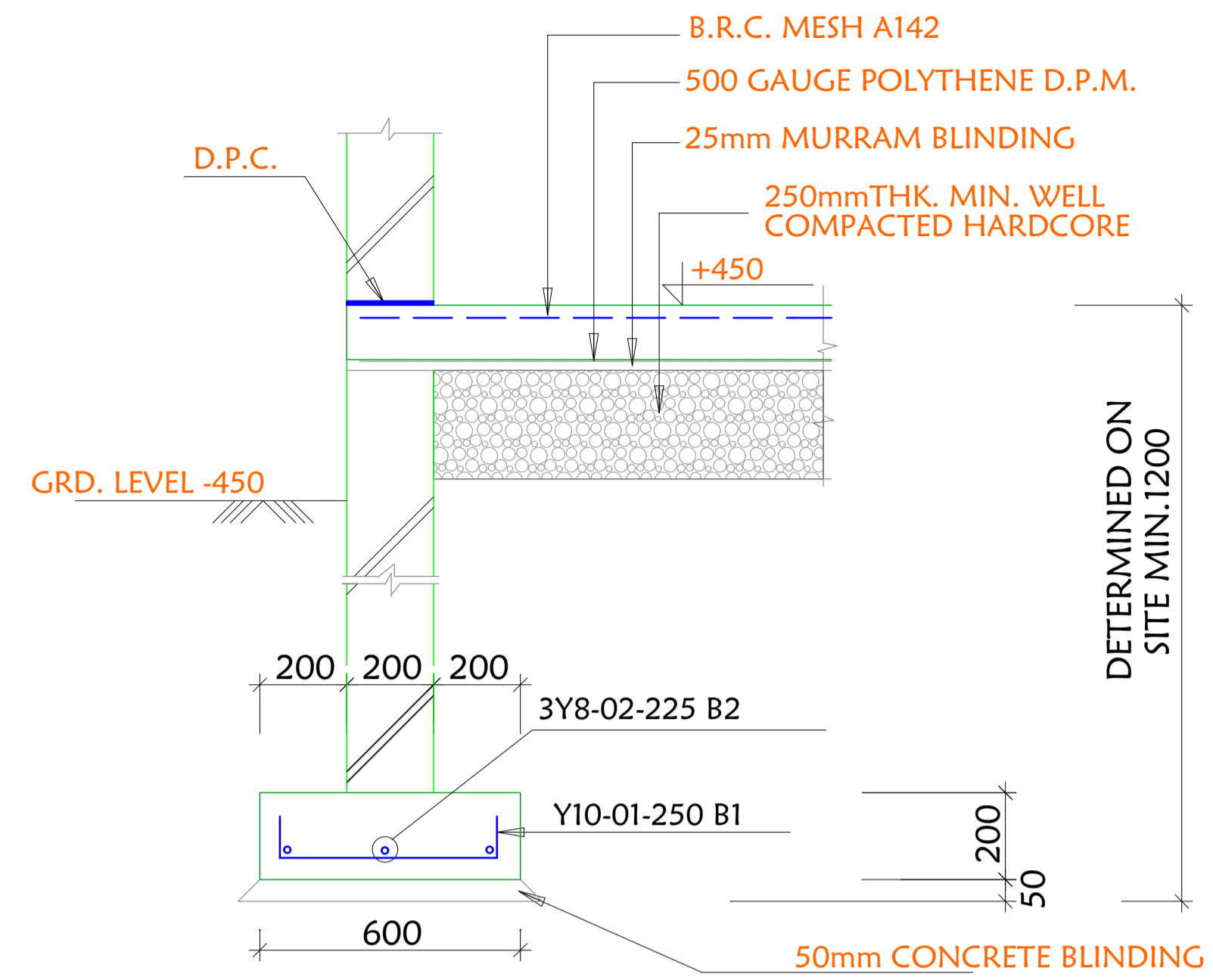
ROOF PLAN

Legend

→ Direction of fall

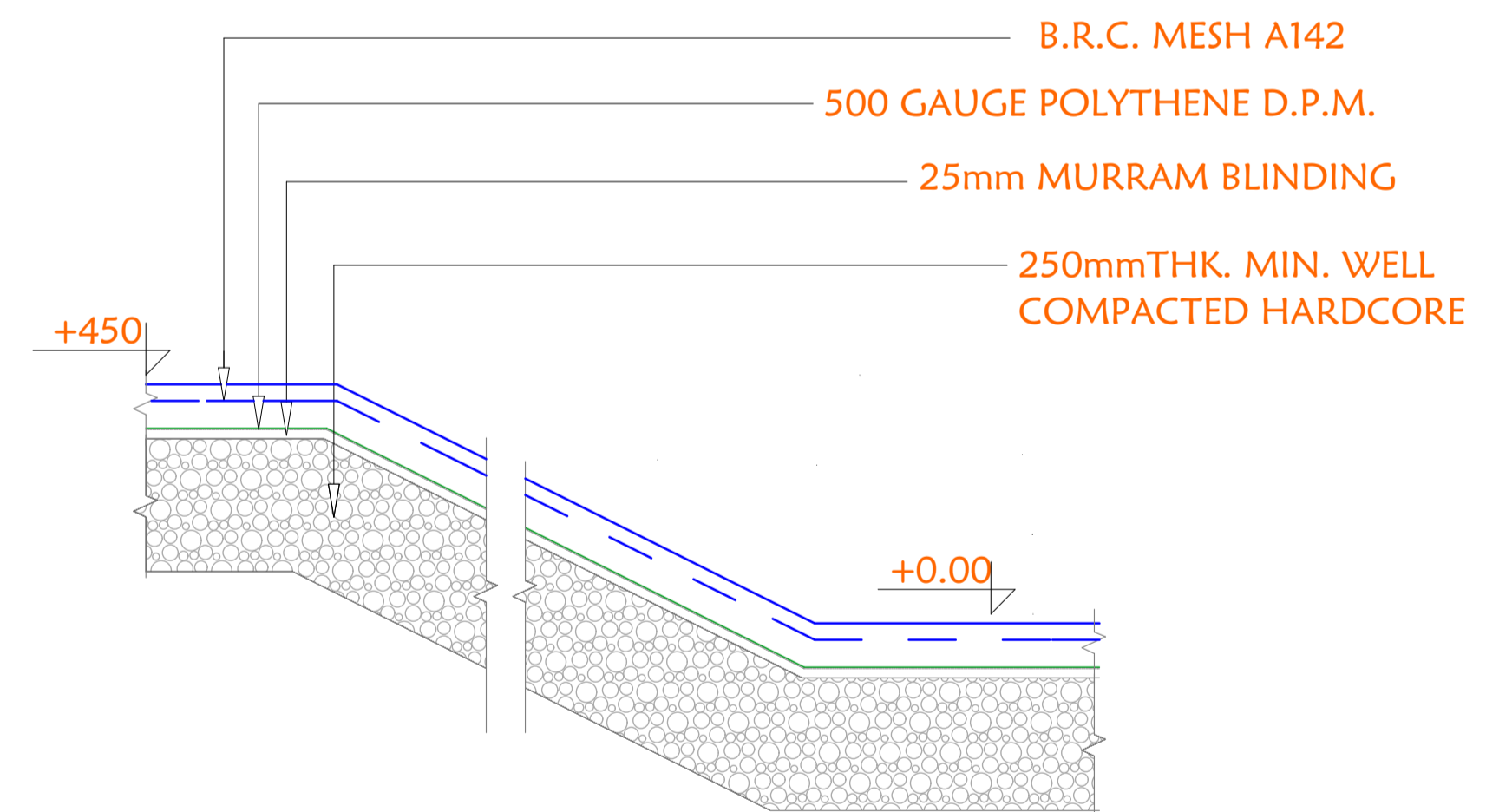


TRUSS LAYOUT



SECTION A-A SCALE 1:25

FOUNDATION FOOTING DETAIL



SECTION D-D SCALE 1:25

RAMP DETAILS

PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

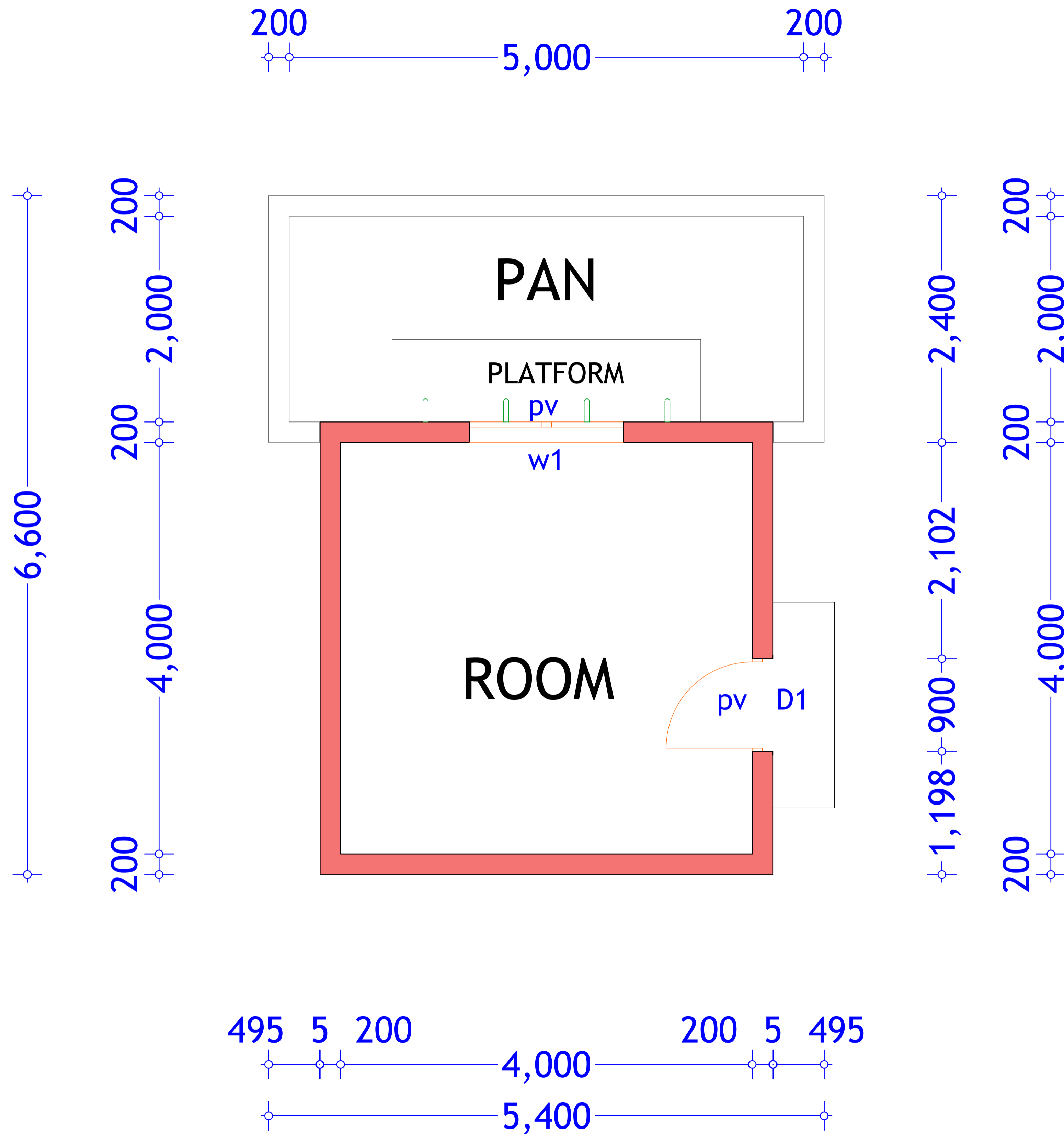
SHEET TITLE:
STRUCT. DETAIL (Foundation)

SCALE		DRAWING TITLE:	
DATE	APRIL, 2017	DRAWING N ^o :	
DESIGNED BY:	J. NANDWA	PROJECT N ^o :	
DRAWN BY:	J. NANDWA		
REVIEWED BY:			
APPROVED BY:			

GENERATOR SHED

SHEET N^o:

16/32



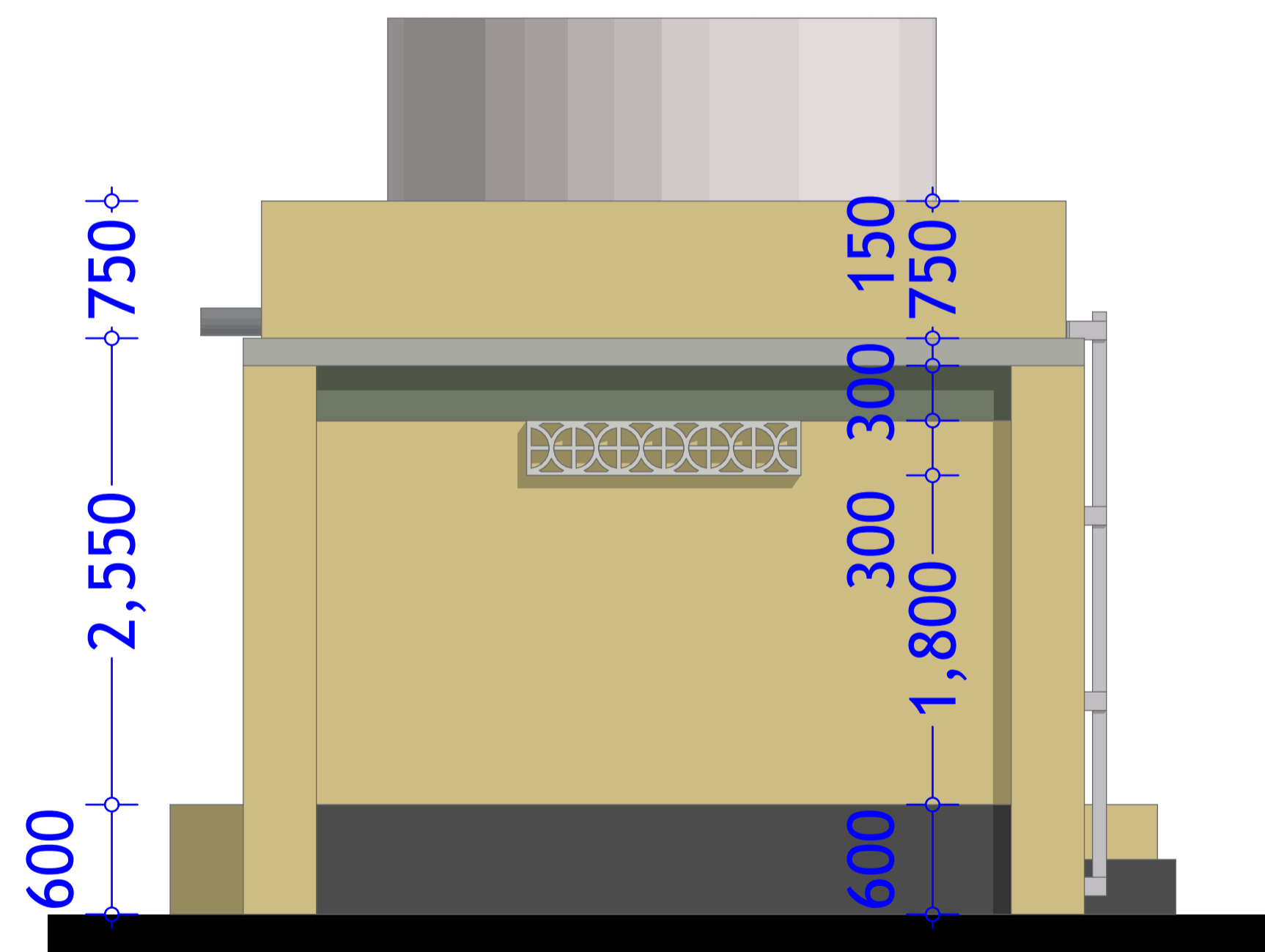
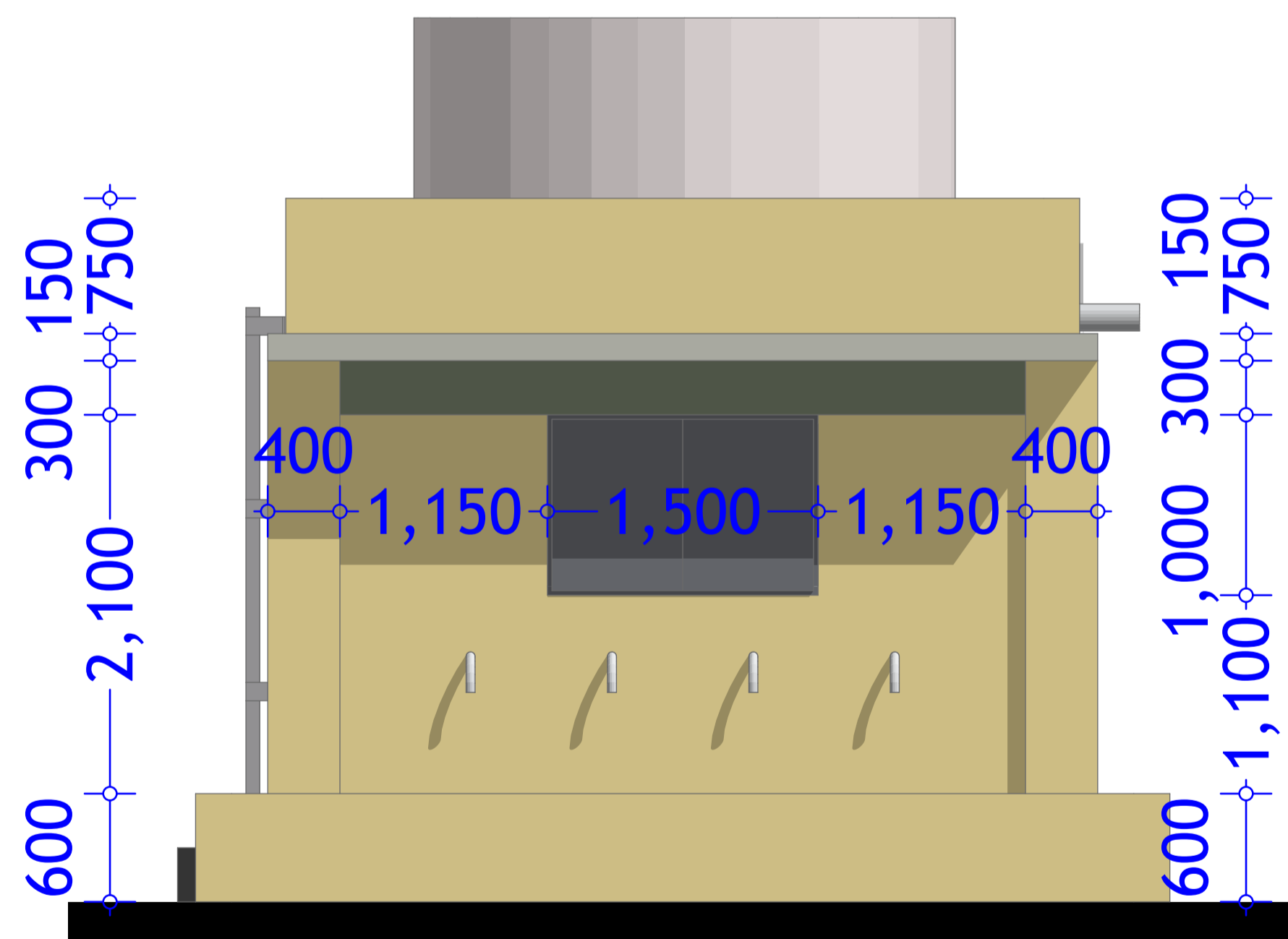
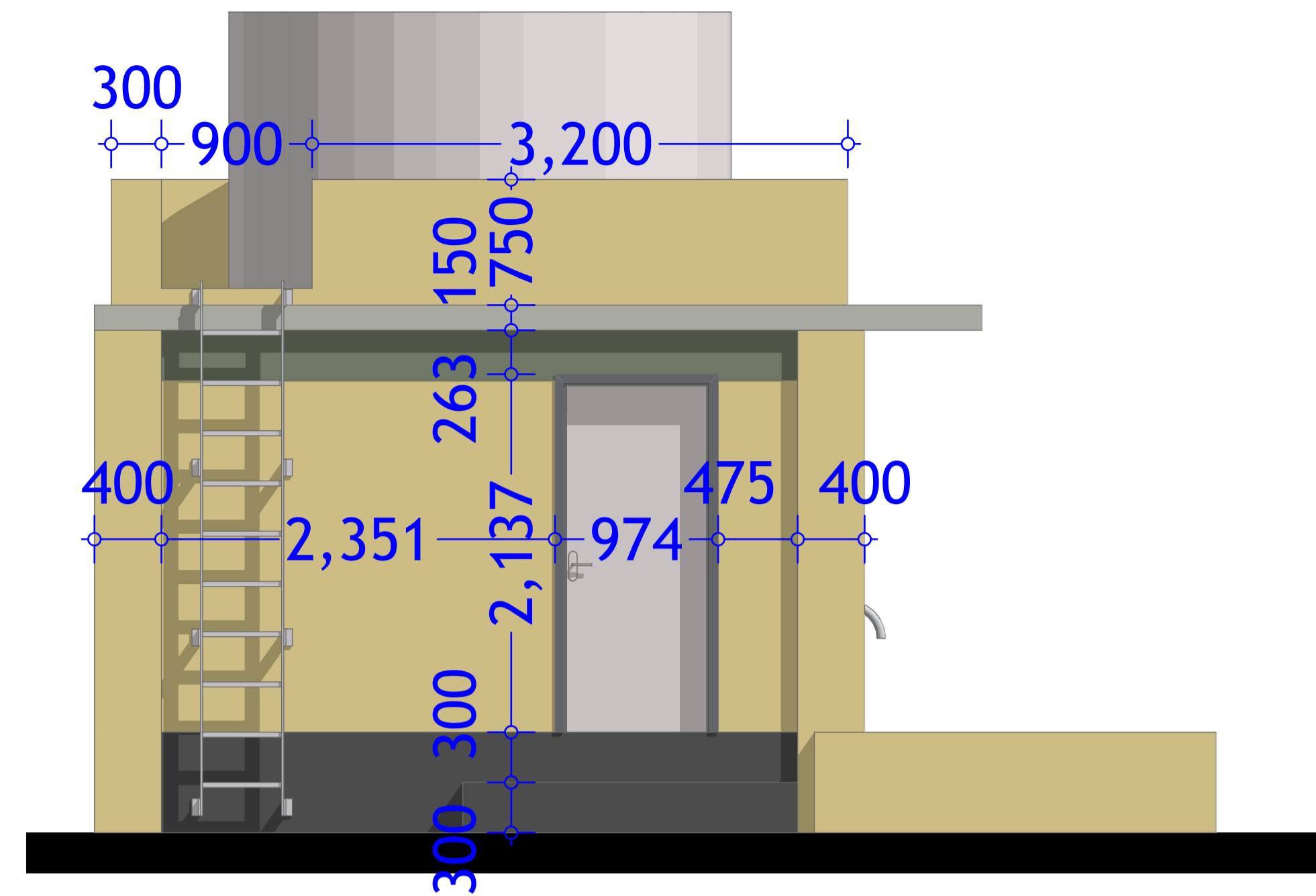
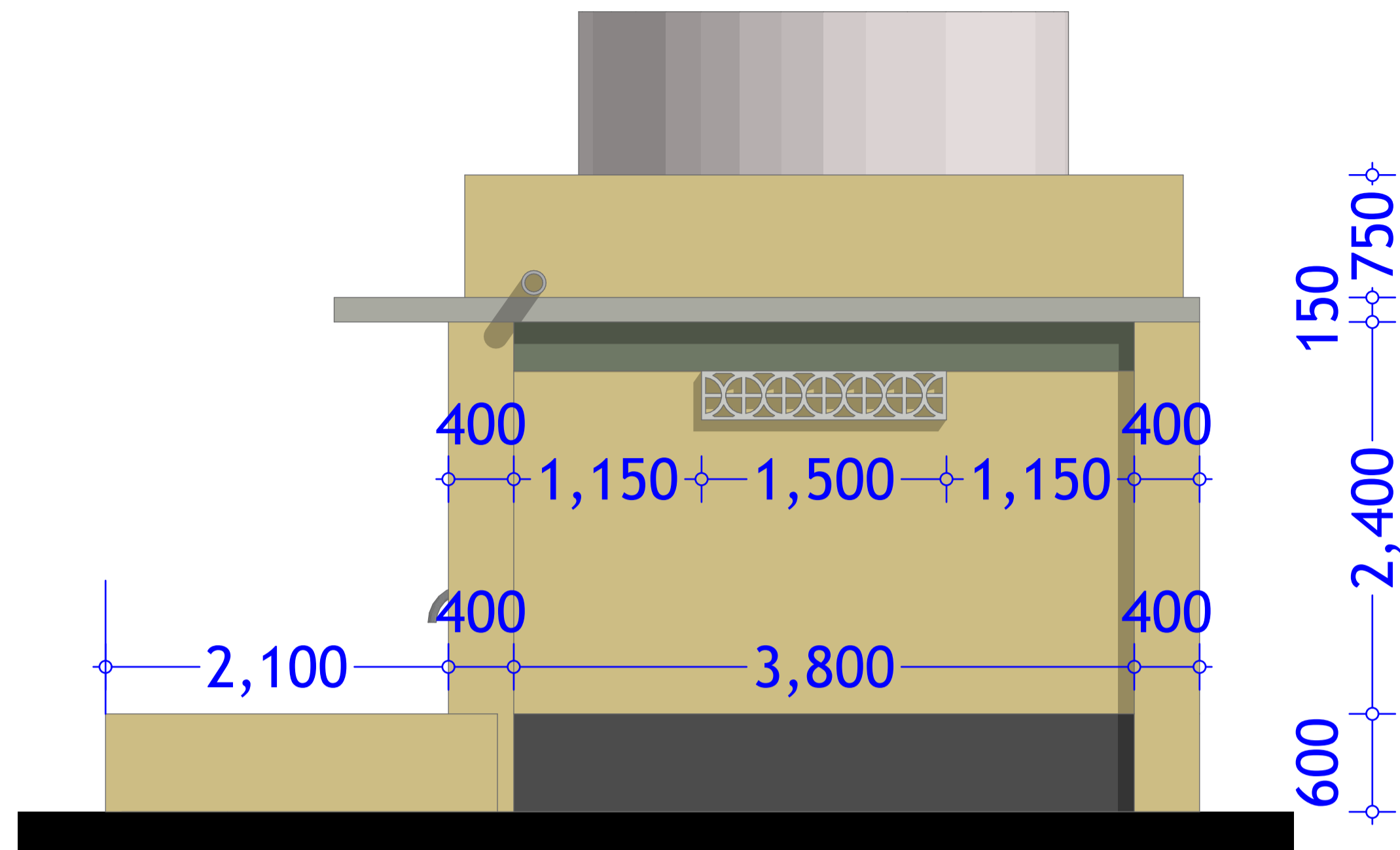
PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

SHEET TITLE:
FLOOR LAYOUT

SCALE		DRAWING TITLE:	
DATE	APRIL, 2017	DRAWING N ^o :	
DESIGNED BY:	J. NANDWA	PROJECT N ^o :	
DRAWN BY:	J. NANDWA		
REVIEWED BY:			
APPROVED BY:			

WATER KIOSK

SHEET N^o:
17/32



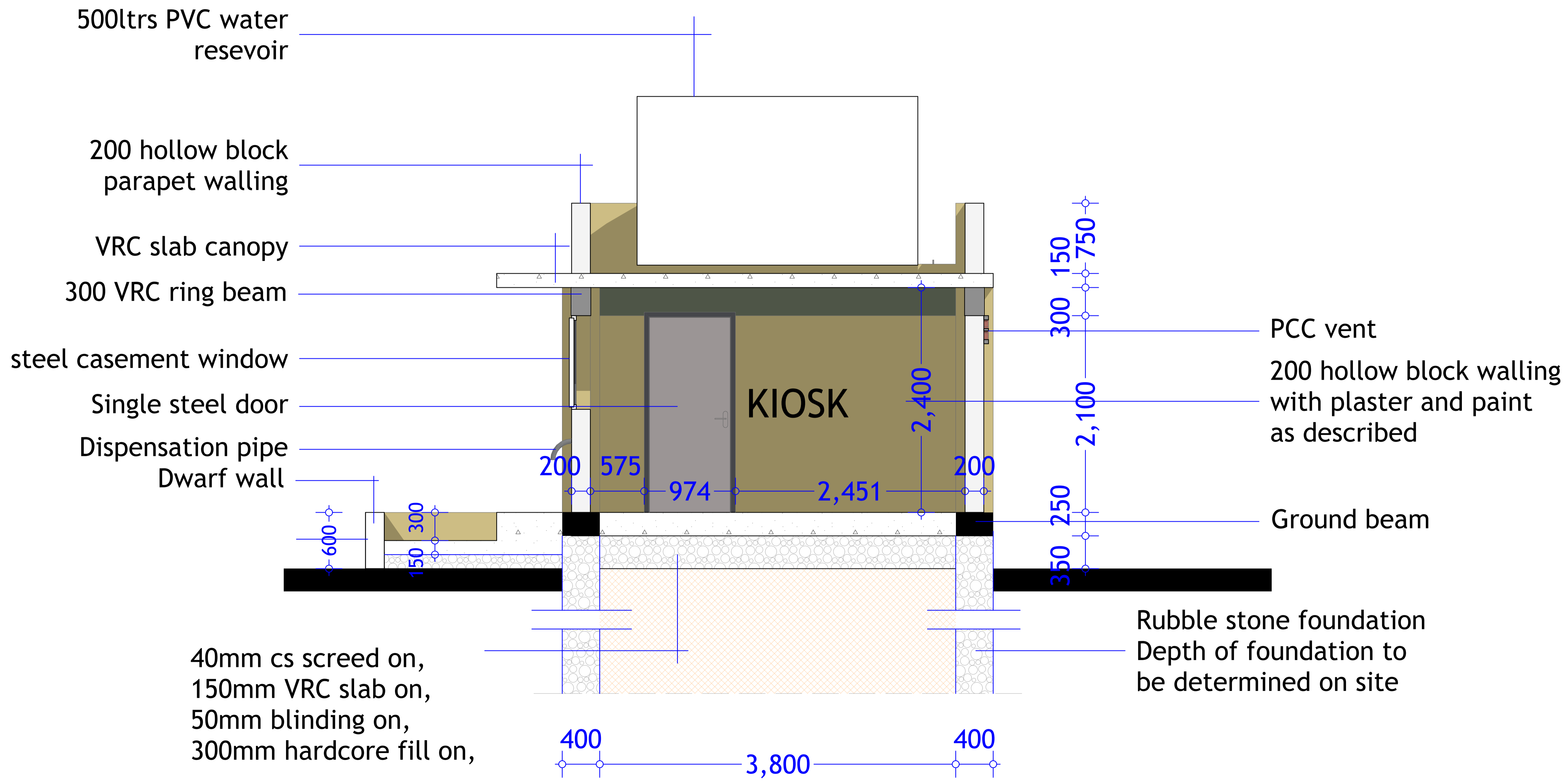
PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

SHEET TITLE:
ELEVATIONS

SCALE		DRAWING TITLE:	
DATE	APRIL, 2017	DRAWING N ^o :	
DESIGNED BY:	J. NANDWA	PROJECT N ^o :	
DRAWN BY:	J. NANDWA		
REVIEWED BY:			
APPROVED BY:			

WATER KIOSK

SHEET N^o:
18/32



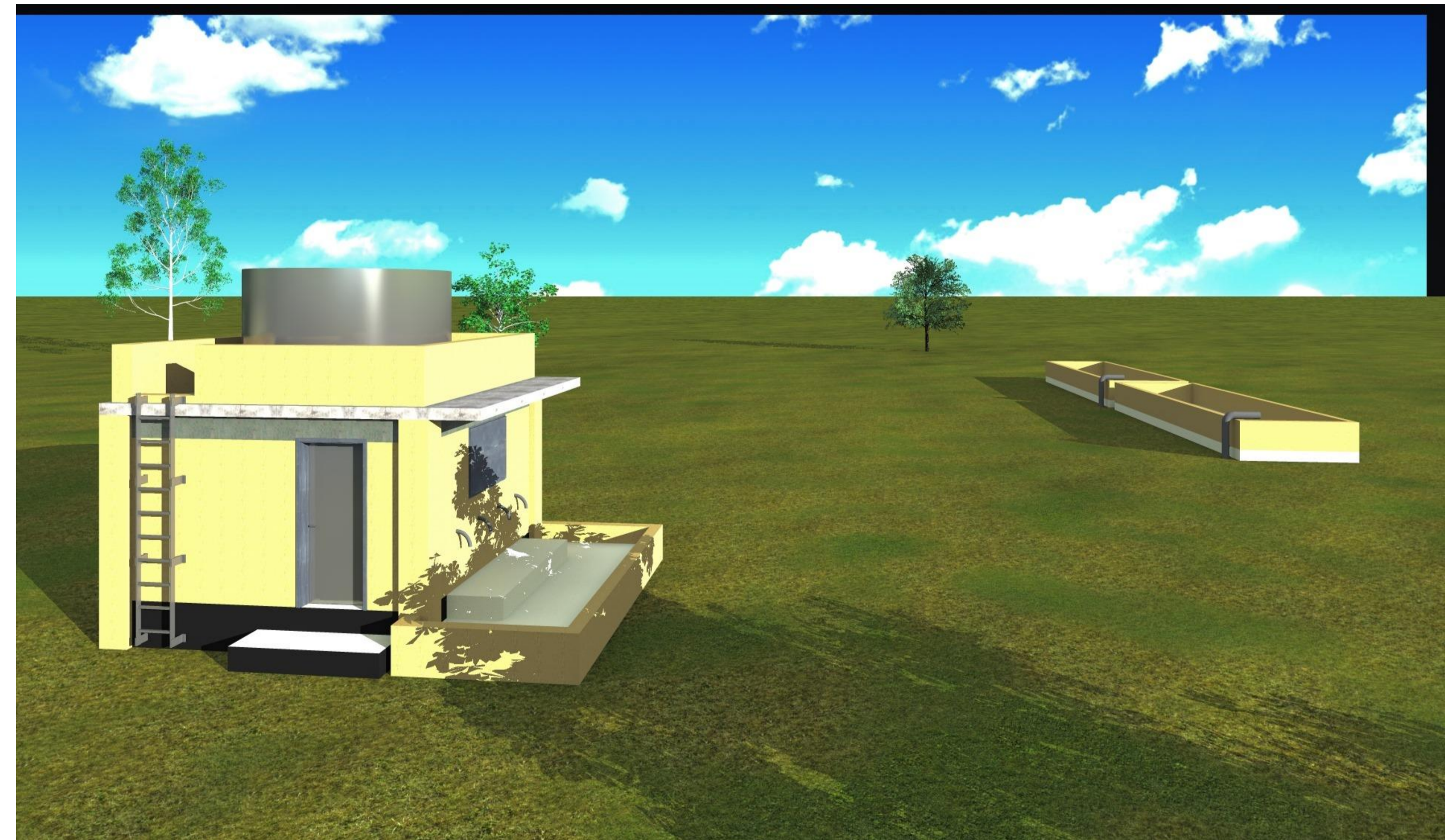
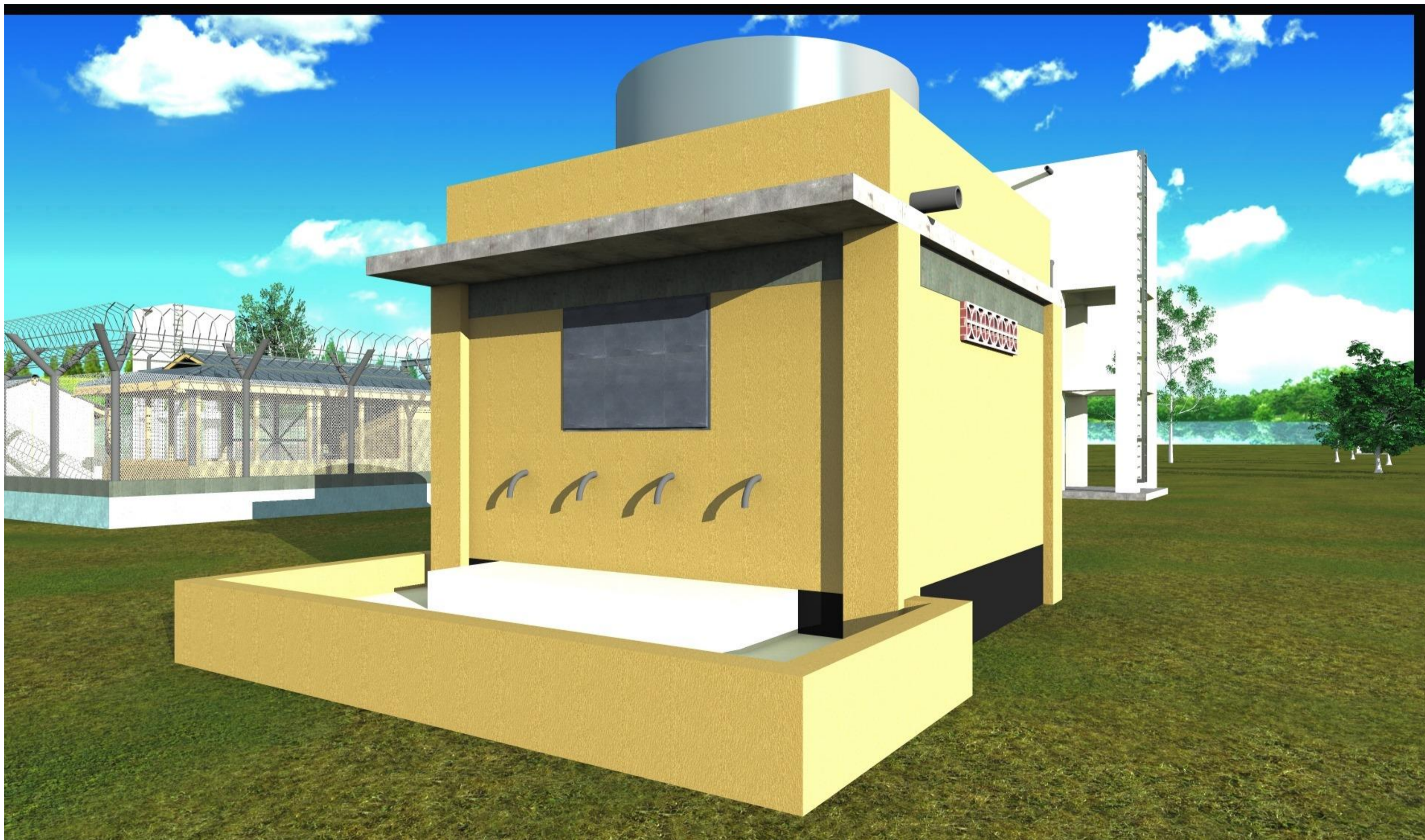
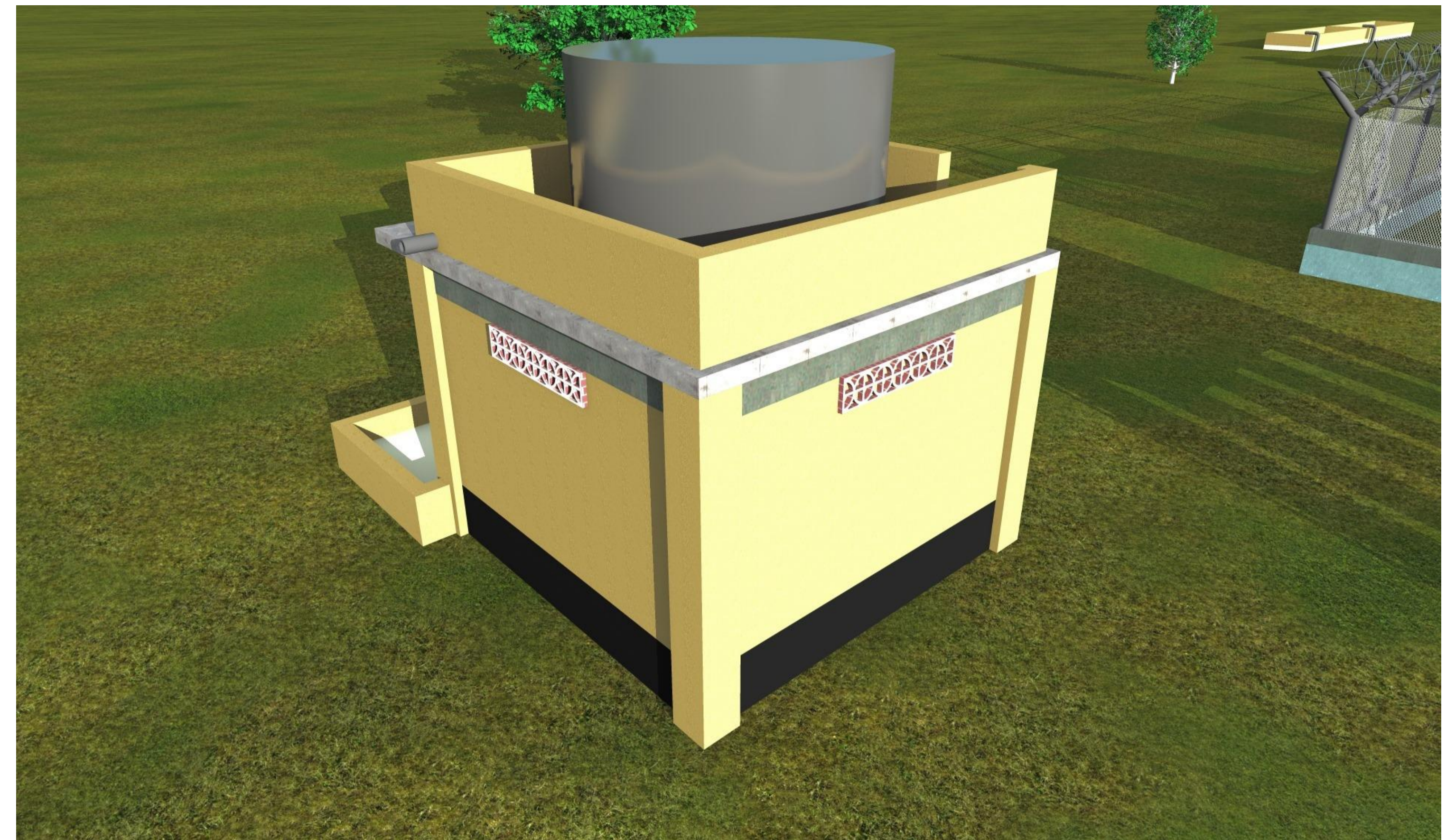
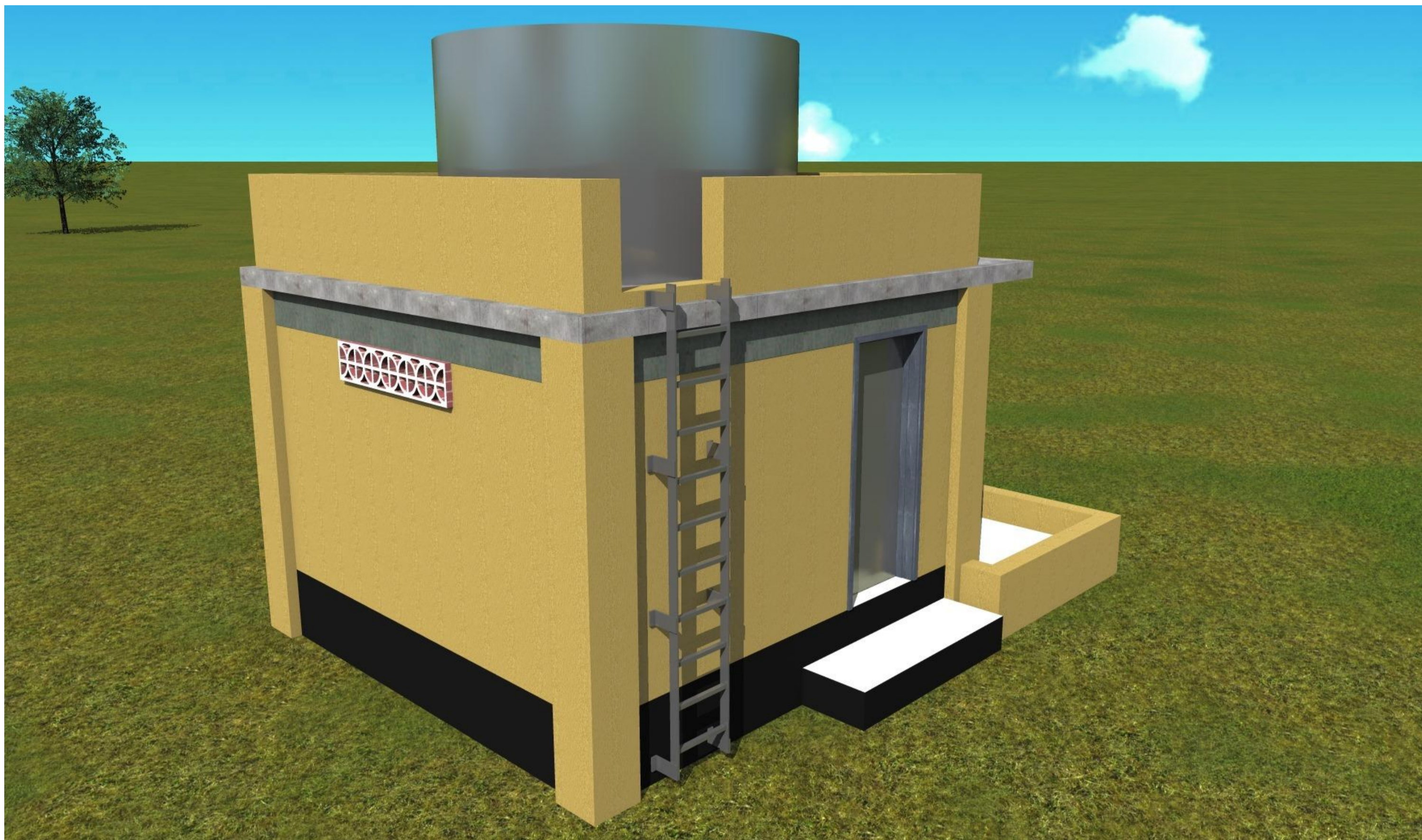
PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

SHEET TITLE:
SECTION

SCALE	
DATE	APRIL, 2017
DESIGNED BY:	J. NANDWA
DRAWN BY:	J. NANDWA
REVIEWED BY:	
APPROVED BY:	

DRAWING TITLE:	
DRAWING N ^o :	
PROJECT N ^o :	

WATER KIOSK
SHEET N^o:
19/32



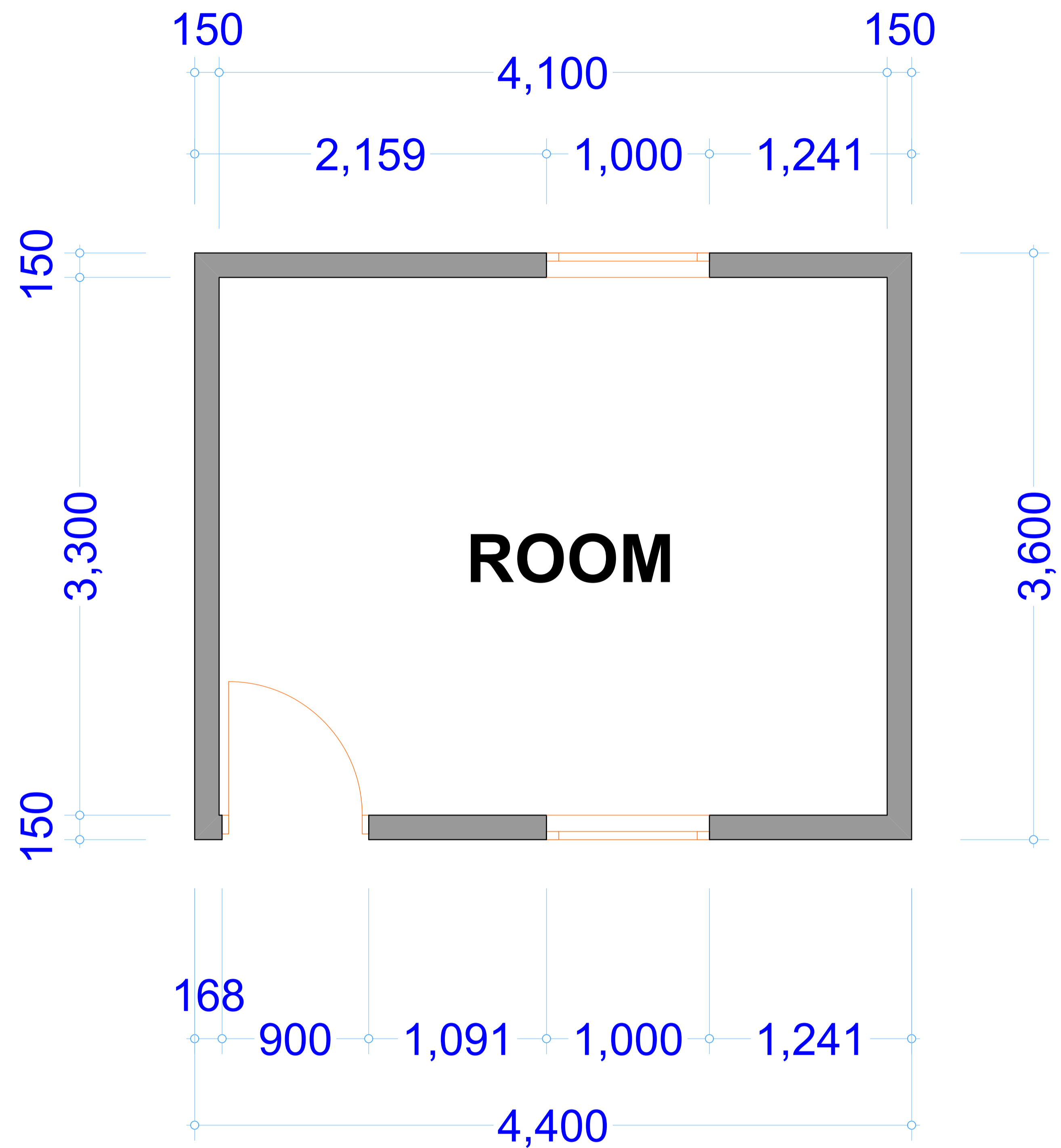
PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

SHEET TITLE:
3D Models

SCALE	
DATE	APRIL, 2017
DESIGNED BY:	J. NANDWA
DRAWN BY:	J. NANDWA
REVIEWED BY:	
APPROVED BY:	

DRAWING TITLE:	
DRAWING N ^o :	
PROJECT N ^o :	

WATER KIOSK
SHEET N ^o : 20/32



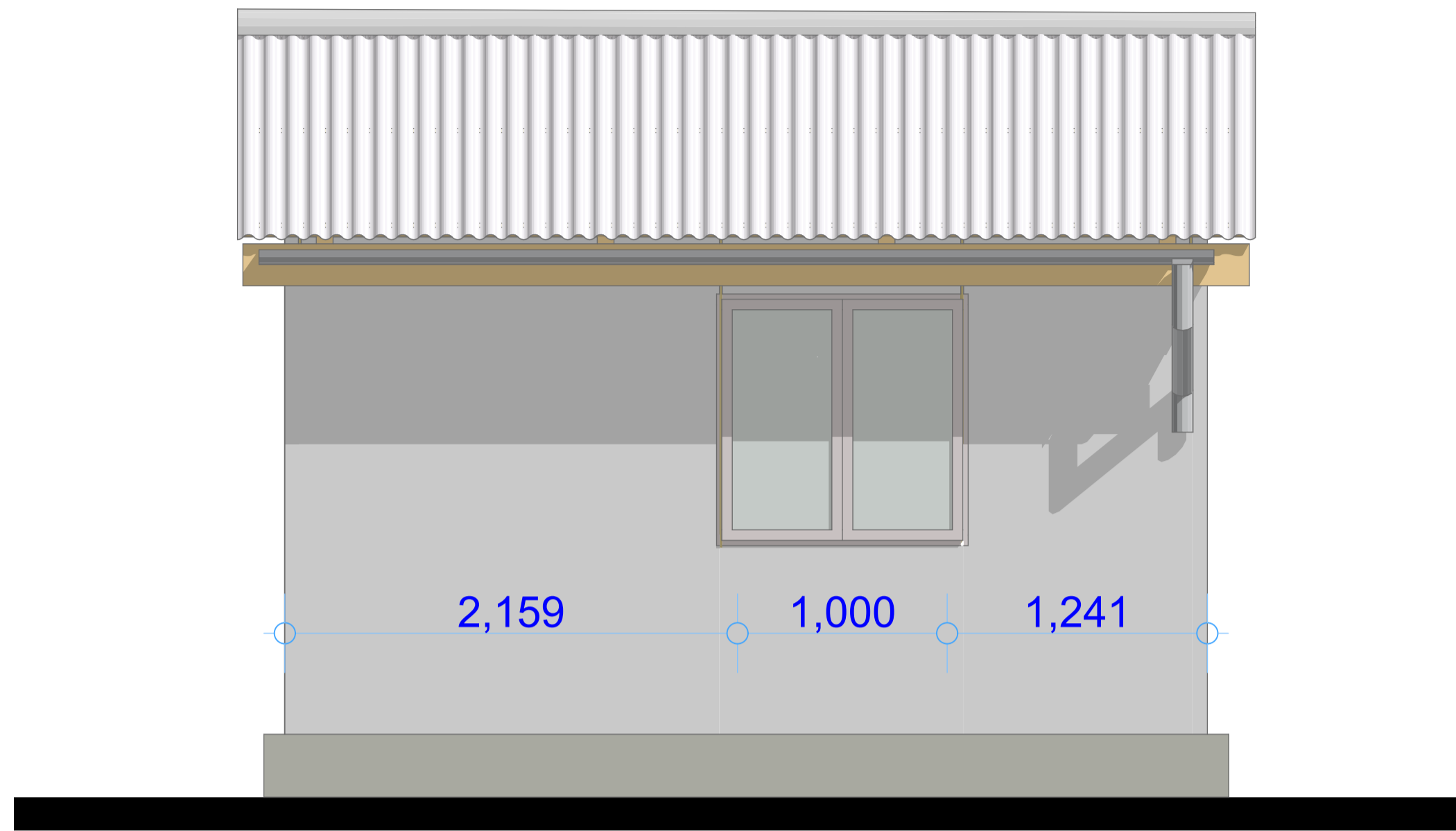
FLOOR LAYOUT

PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

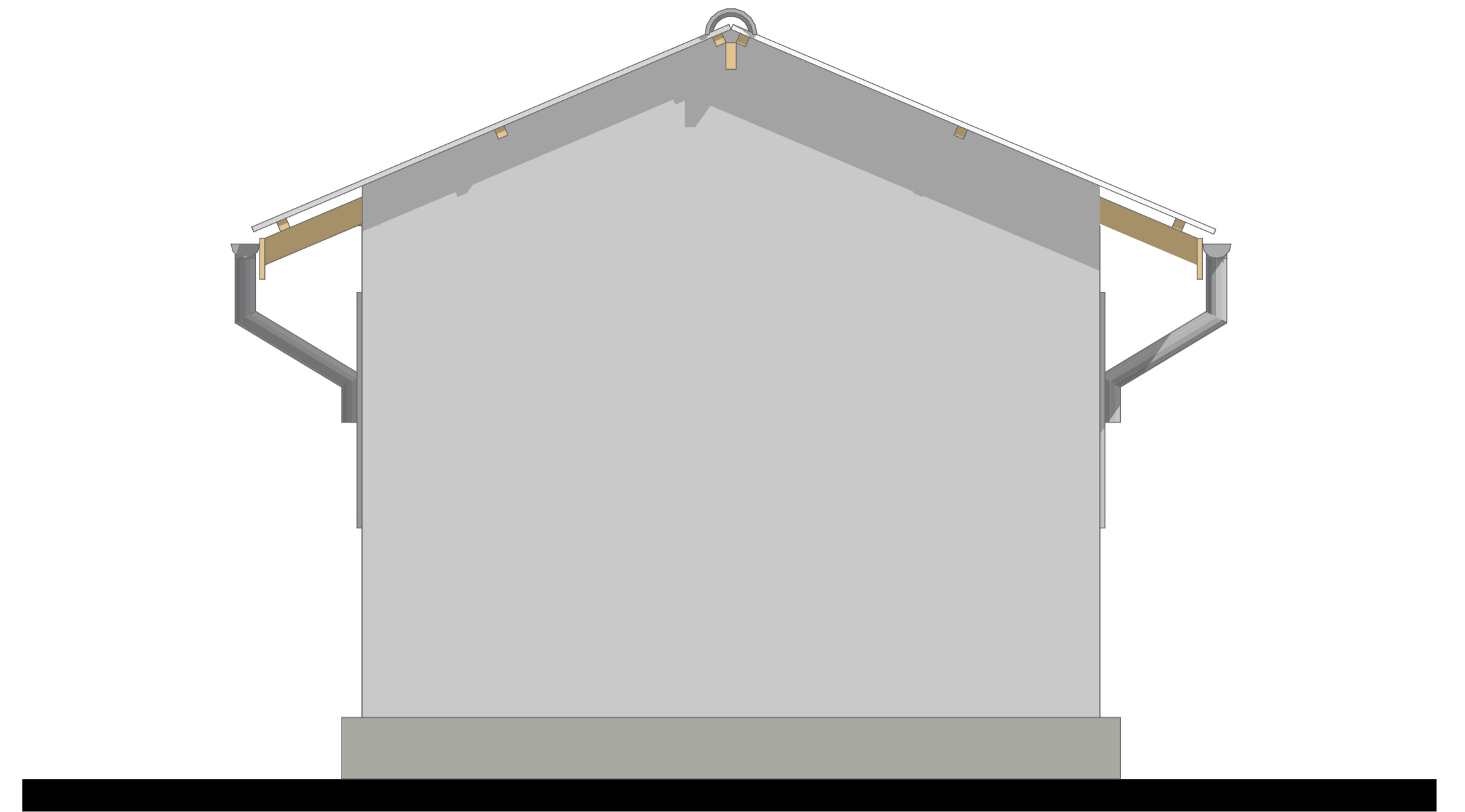
SHEET TITLE:
FLOOR LAYOUT

SCALE		DRAWING TITLE:	CARETAKERS ROOM
DATE	APRIL, 2017	DRAWING N ^o :	
DESIGNED BY:	J. NANDWA	PROJECT N ^o :	
DRAWN BY:	J. NANDWA		
REVIEWED BY:			
APPROVED BY:			

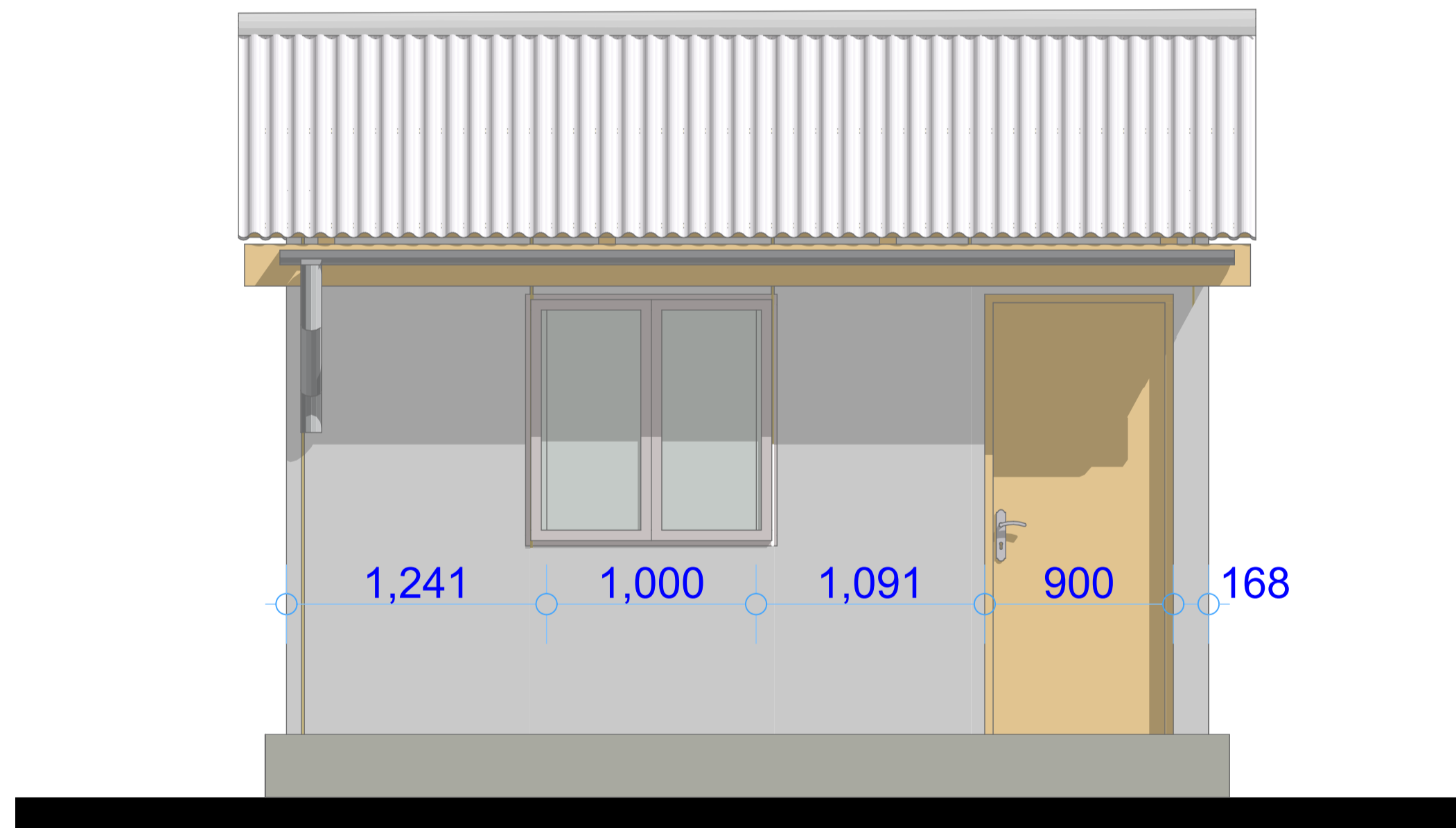
SHEET N^o:
21 / 32



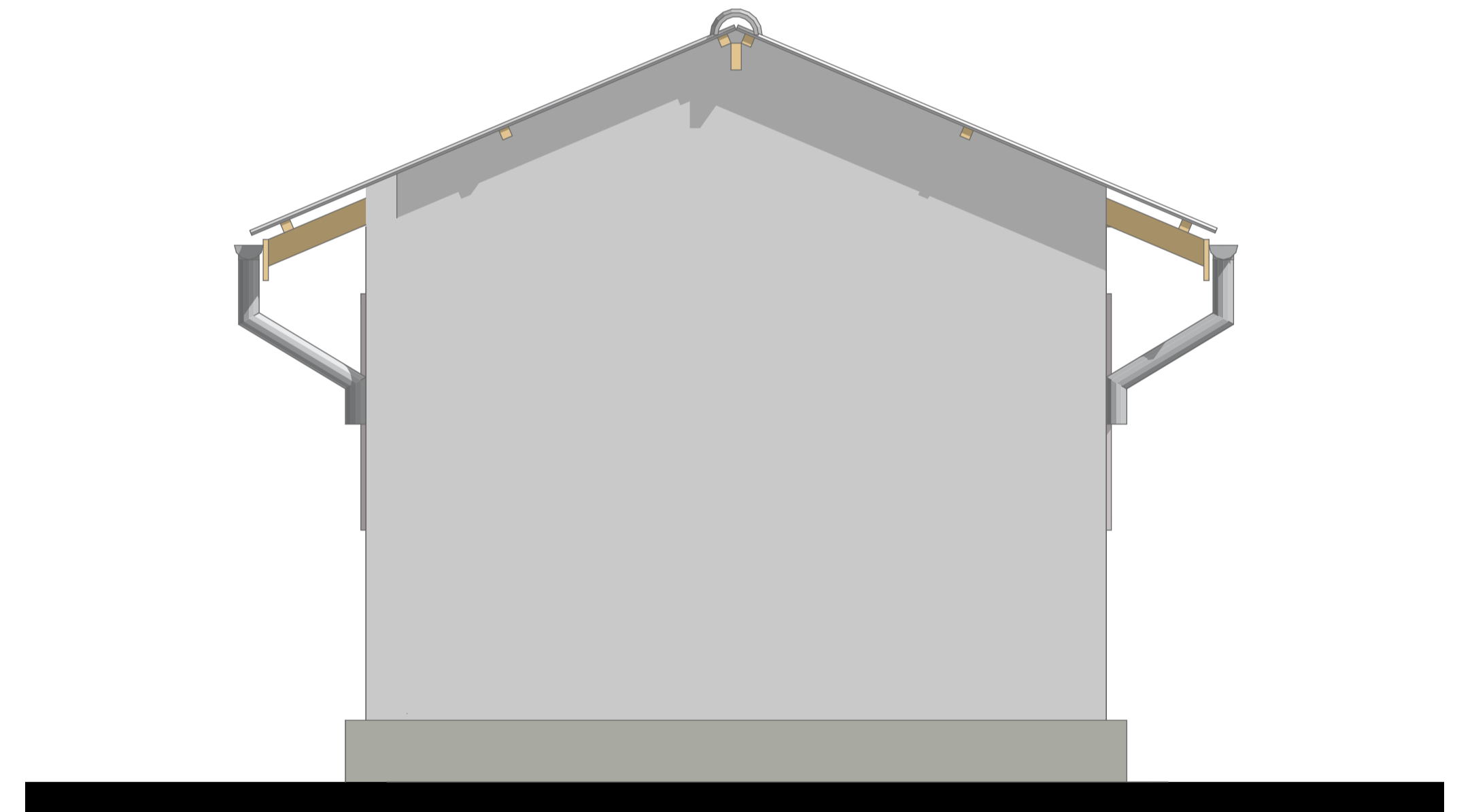
SOUTH ELEVATION



EAST ELEVATION



NORTH ELEVATION



WEST ELEVATION

PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

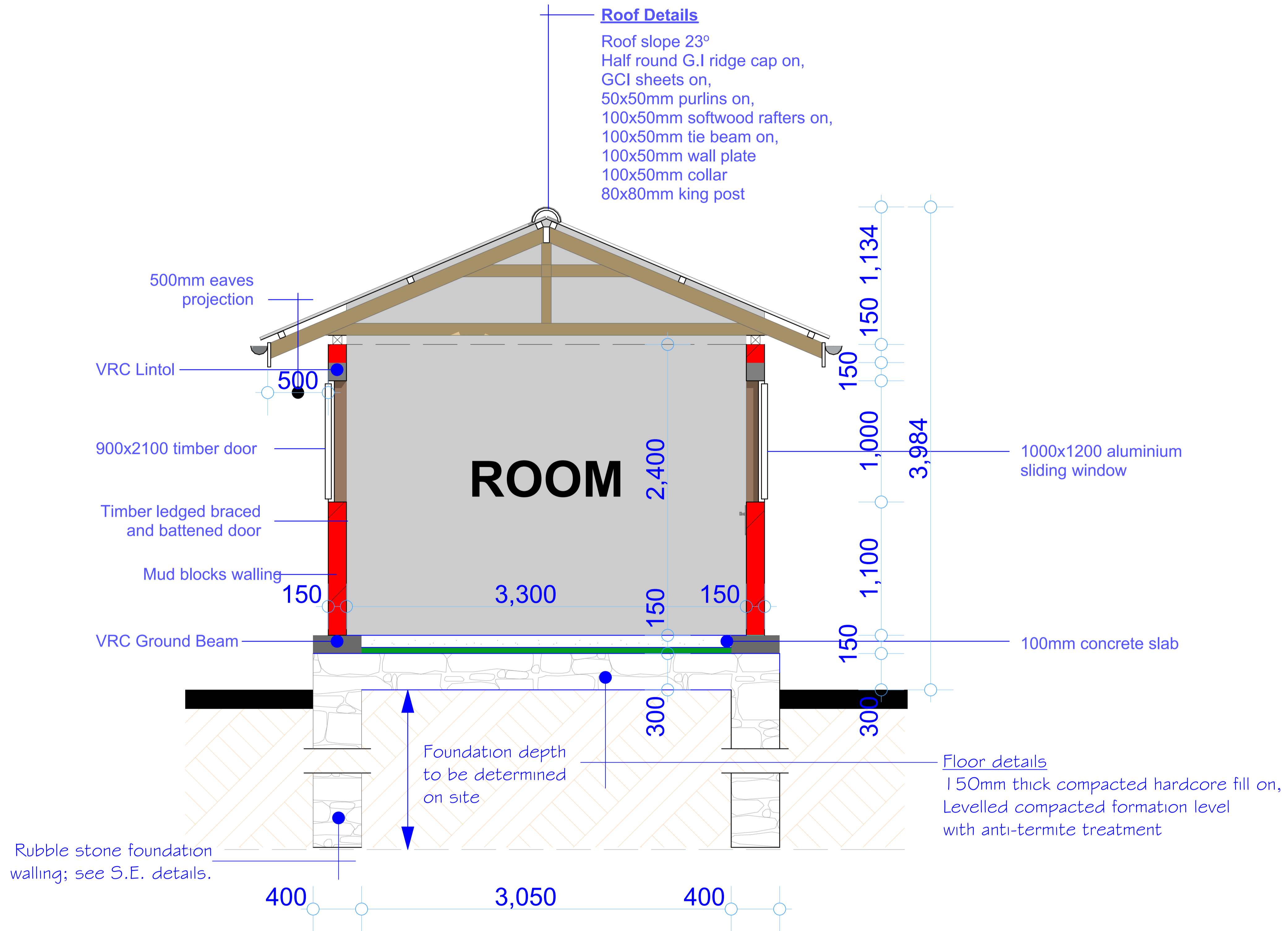
SHEET TITLE:
ELEVATIONS

SCALE	
DATE	APRIL 2017
DESIGNED BY:	J. NANDWA
DRAWN BY:	J. NANDWA
REVIEWED BY:	
APPROVED BY:	

DRAWING TITLE:
DRAWING N°:
PROJECT N°:

CARETAKERS ROOM

SHEET N°:
22 / 32



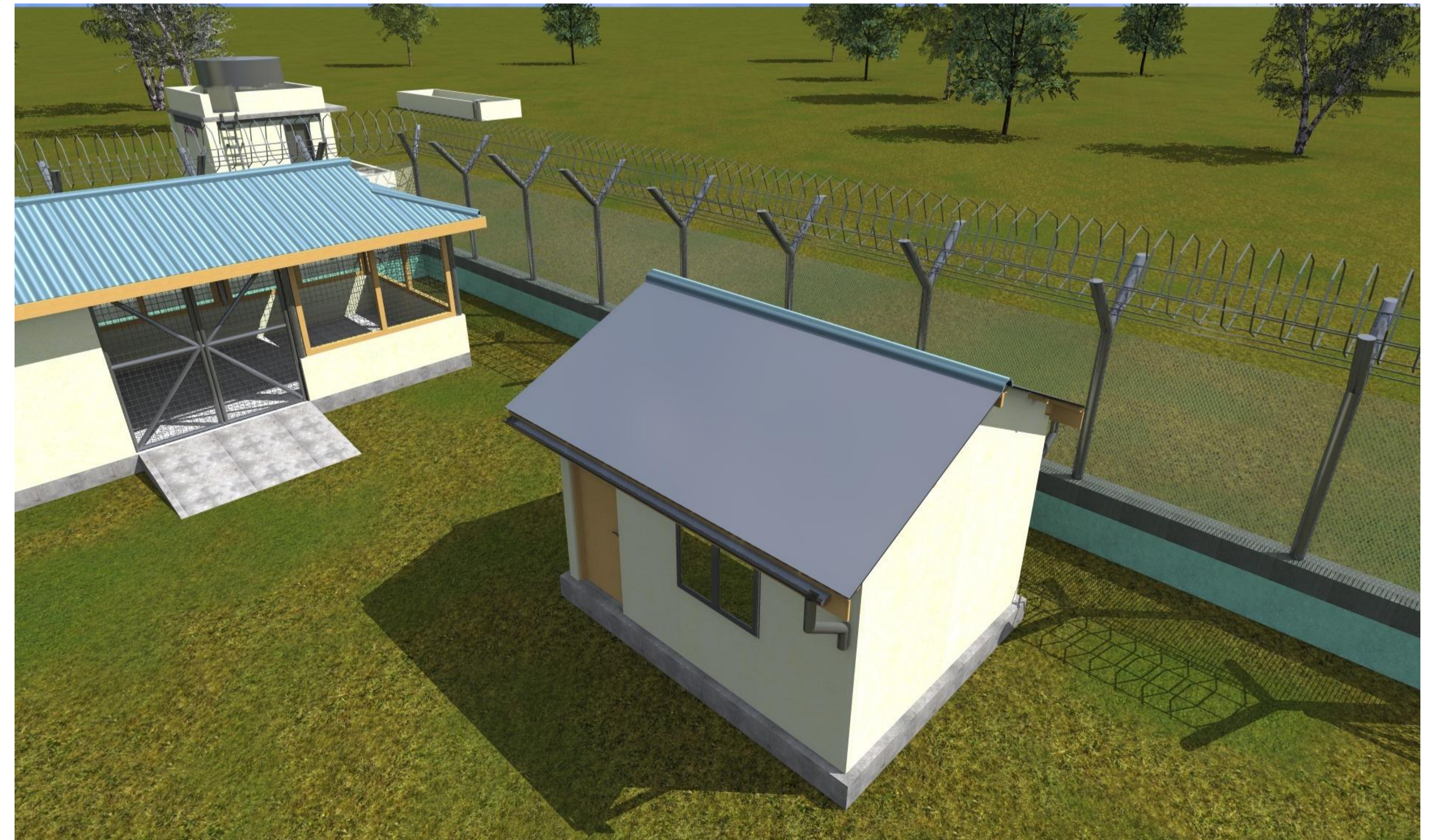
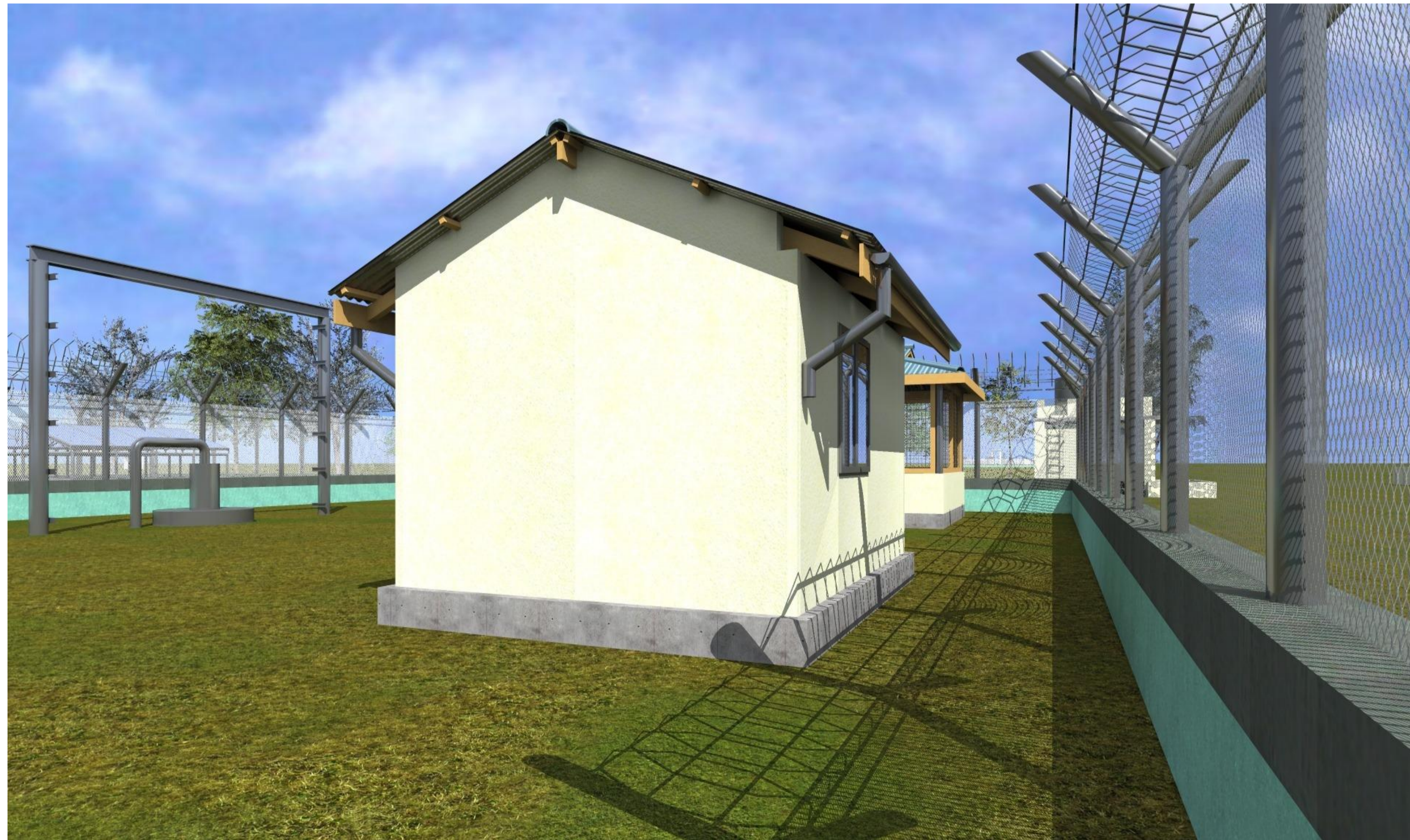
SECTIONAL ELEVATION

PROJECT. PROPOSED AFMADHOW BOREHOLE
 REHABILITATION
 -WARDILE DISTRICT-

SHEET TITLE:
 SECTION

SCALE		DRAWING TITLE:	CARETAKERS ROOM
DATE	APRIL, 2017	DRAWING N^o:	
DESIGNED BY:	J. NANDWA	PROJECT N^o:	
DRAWN BY:	J. NANDWA		
REVIEWED BY:			
APPROVED BY:			

SHEET N^o:
 23 / 32

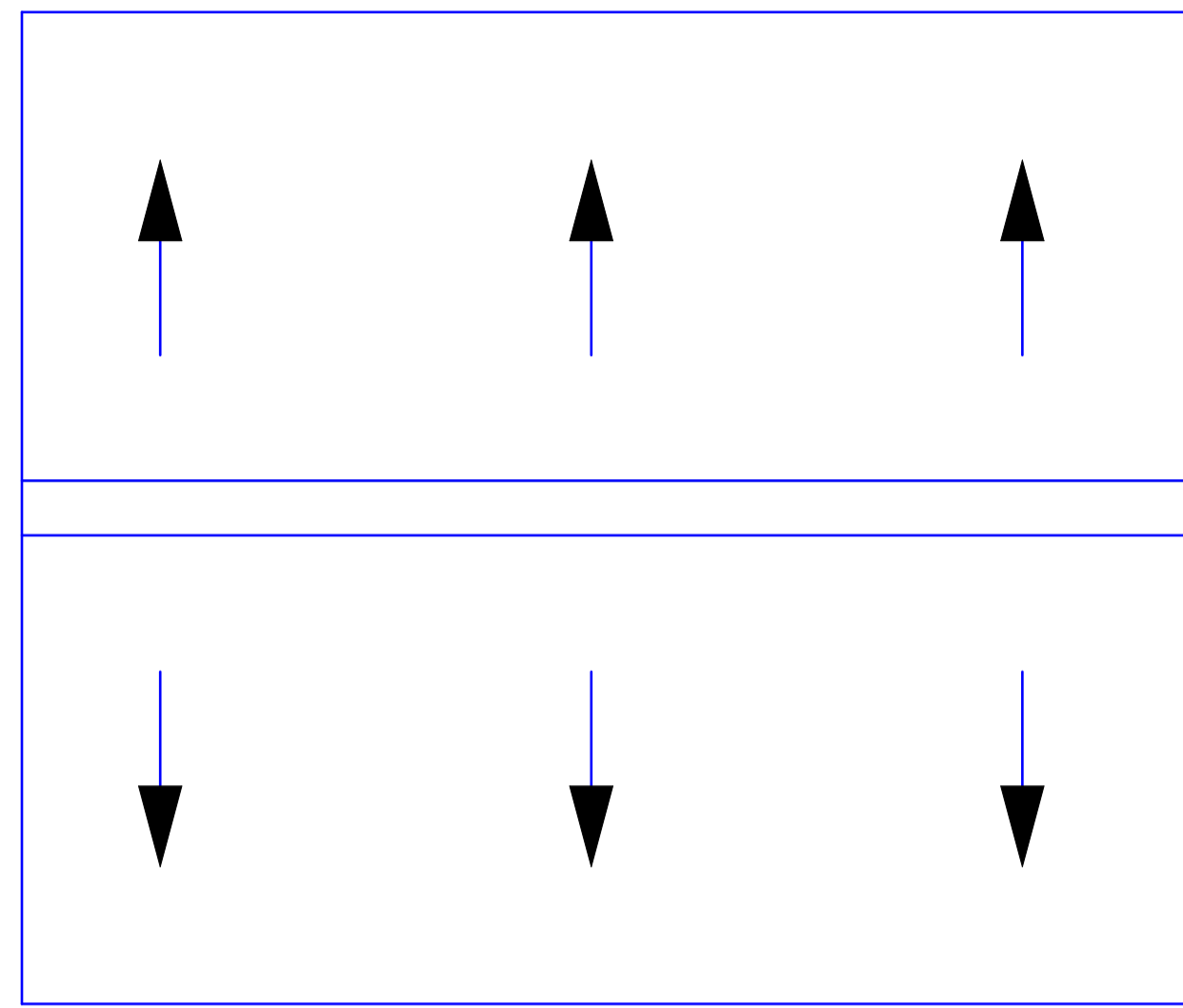


PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

SHEET TITLE:
3D Models

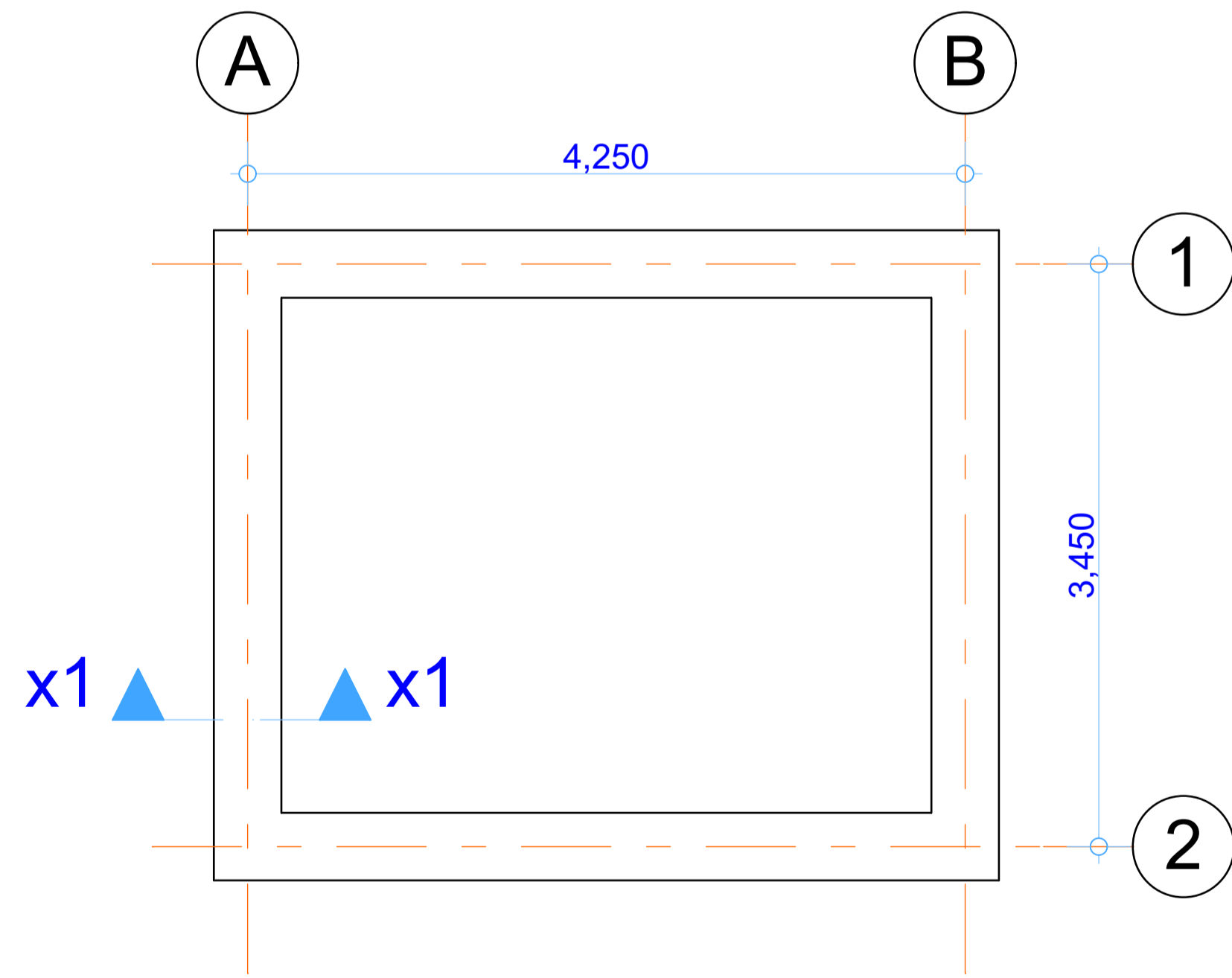
SCALE		DRAWING TITLE:	CARETAKERS ROOM
DATE	APRIL, 2017	DRAWING N ^o :	
DESIGNED BY:	J. NANDWA	PROJECT N ^o :	
DRAWN BY:	J. NANDWA		
REVIEWED BY:			
APPROVED BY:			

SHEET N^o:
24/32

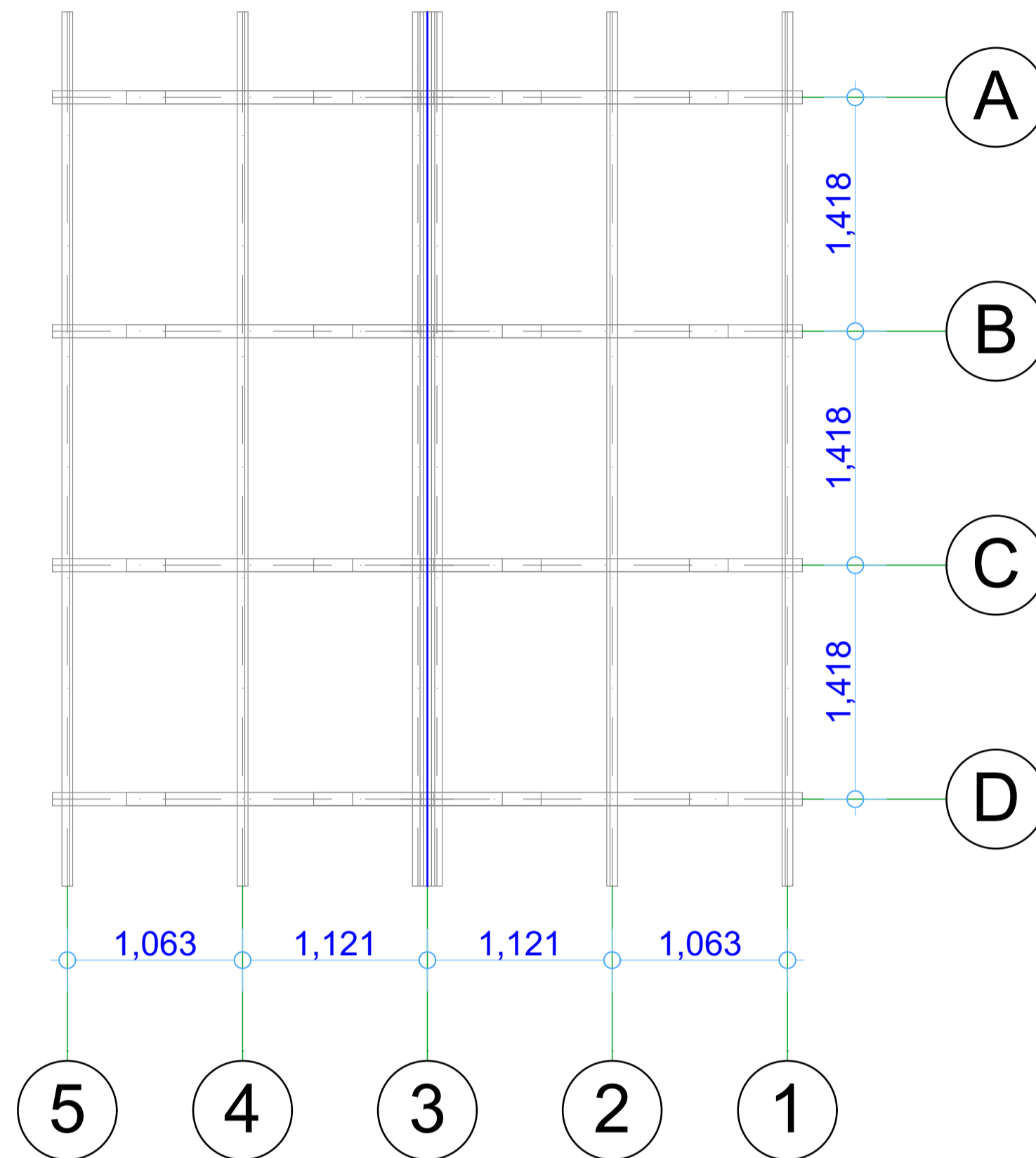


LEGEND
 —▶ Direction of fall

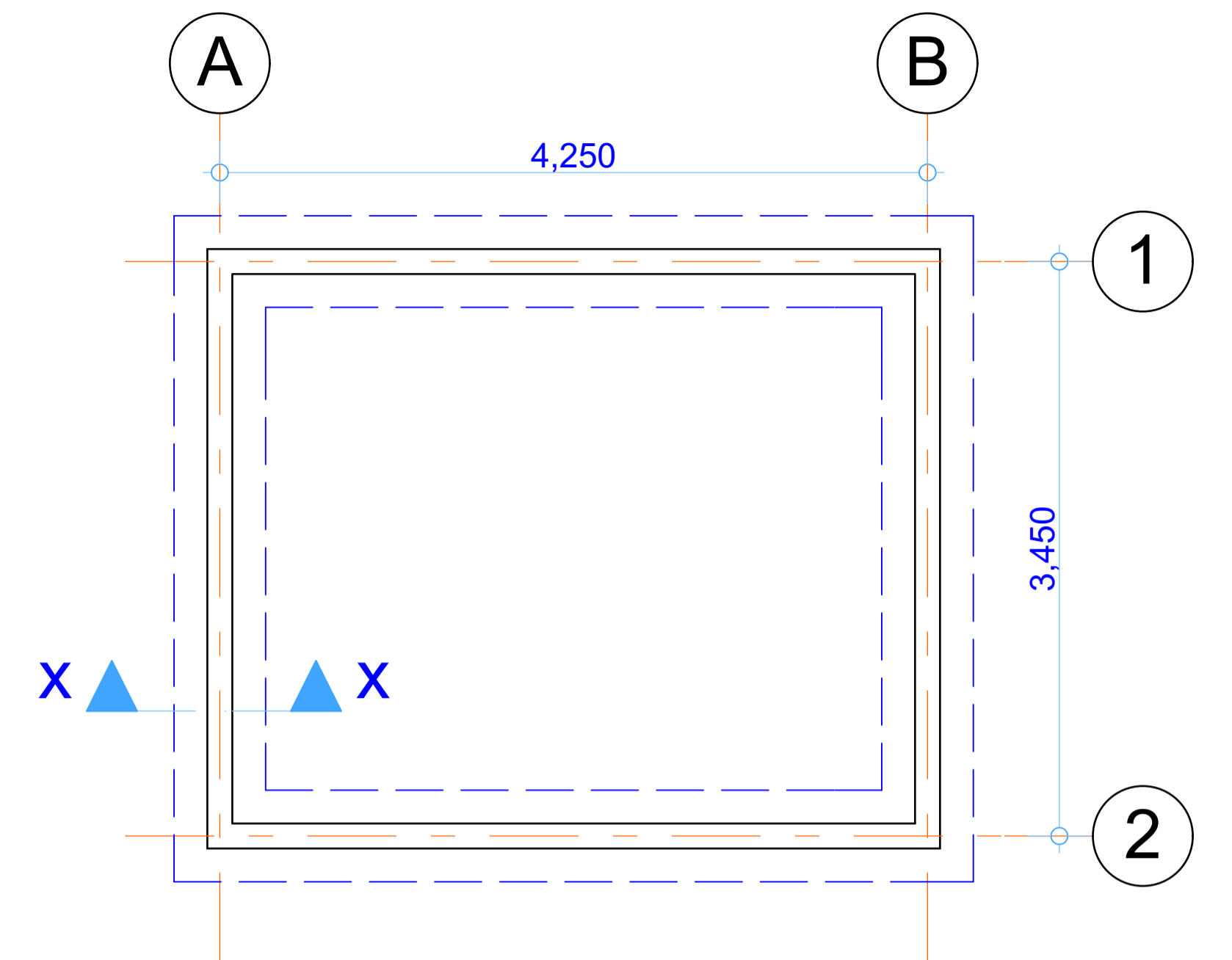
ROOF LAYOUT



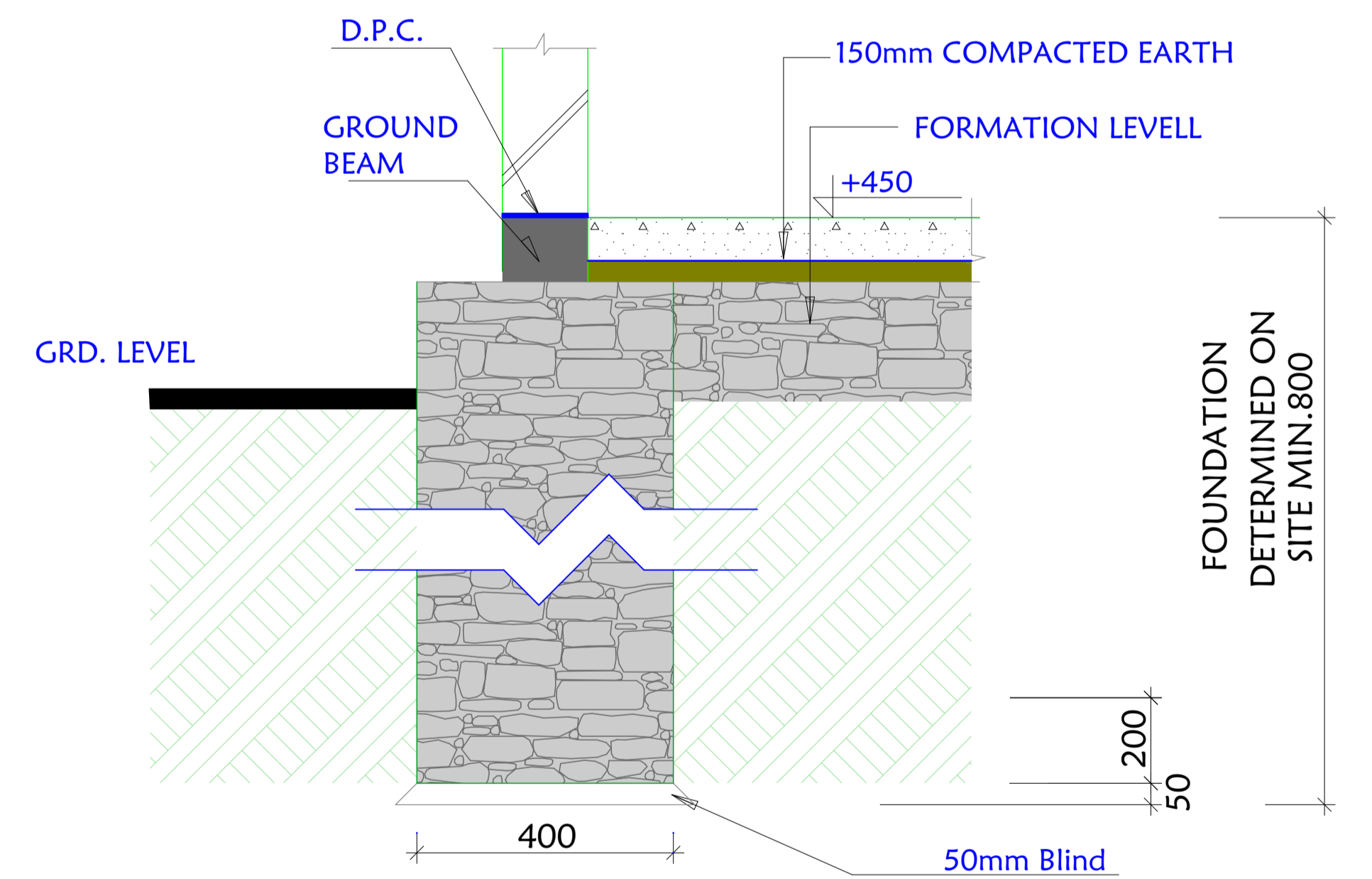
RUBBLE STONE FOUNDATION LAYOUT



TRUSS LAYOUT



STRIP FOUNDATION LAYOUT



SECTION X-X
 SCALE 1:25

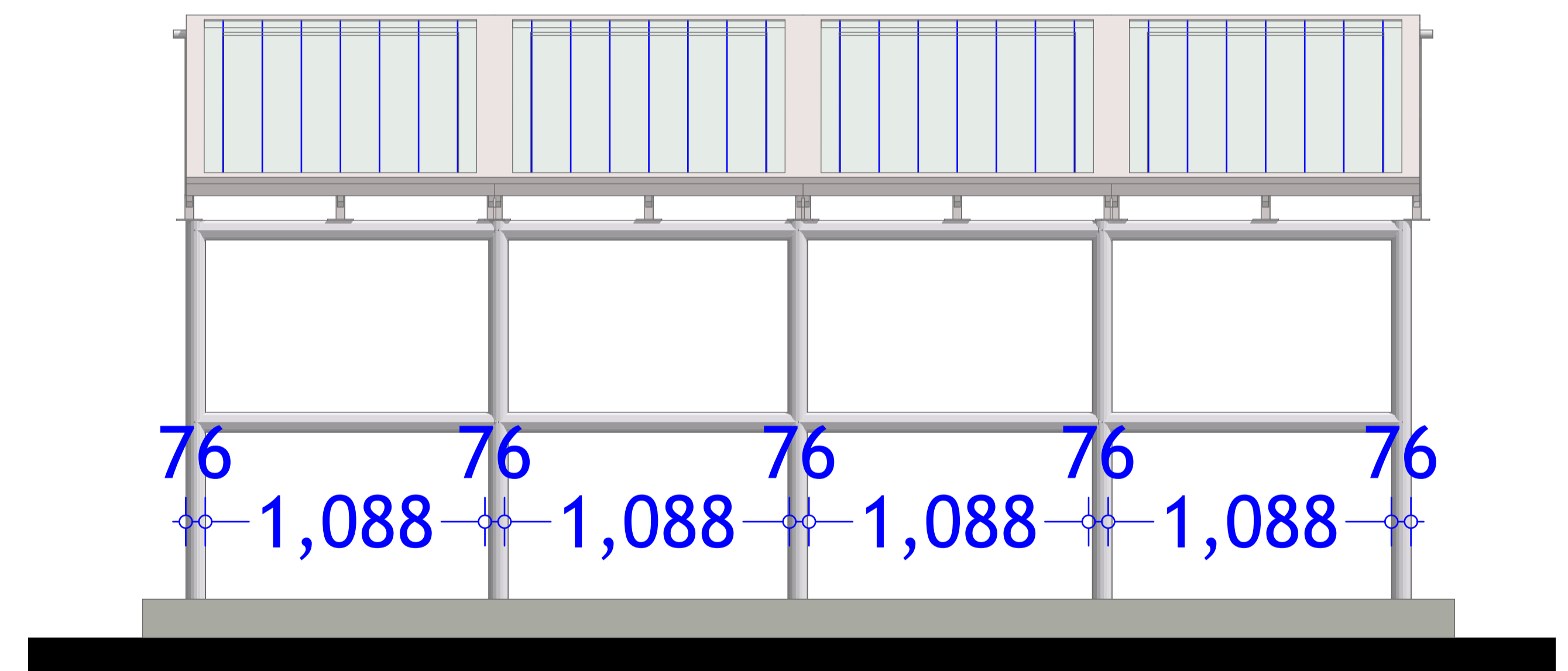
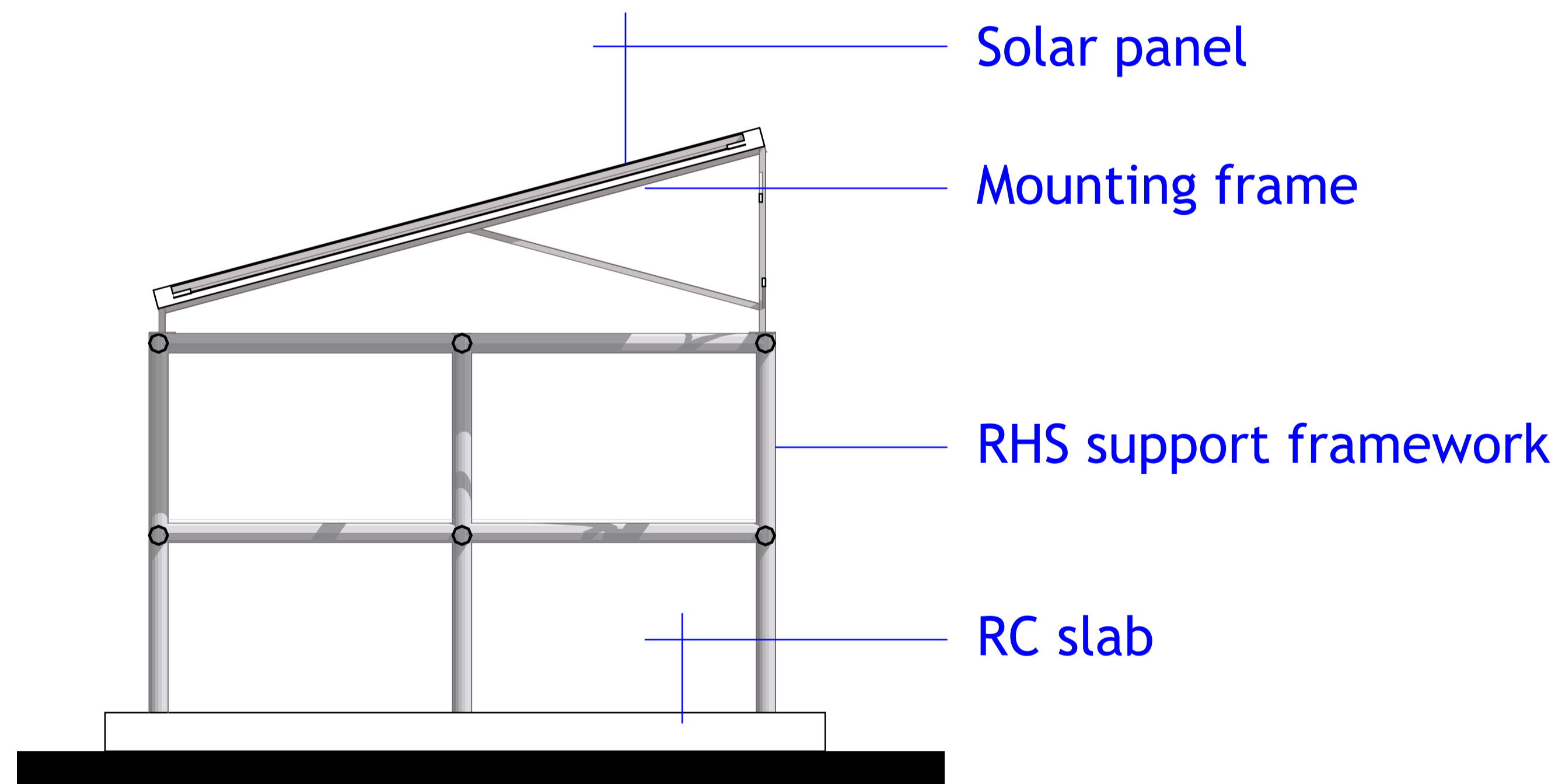
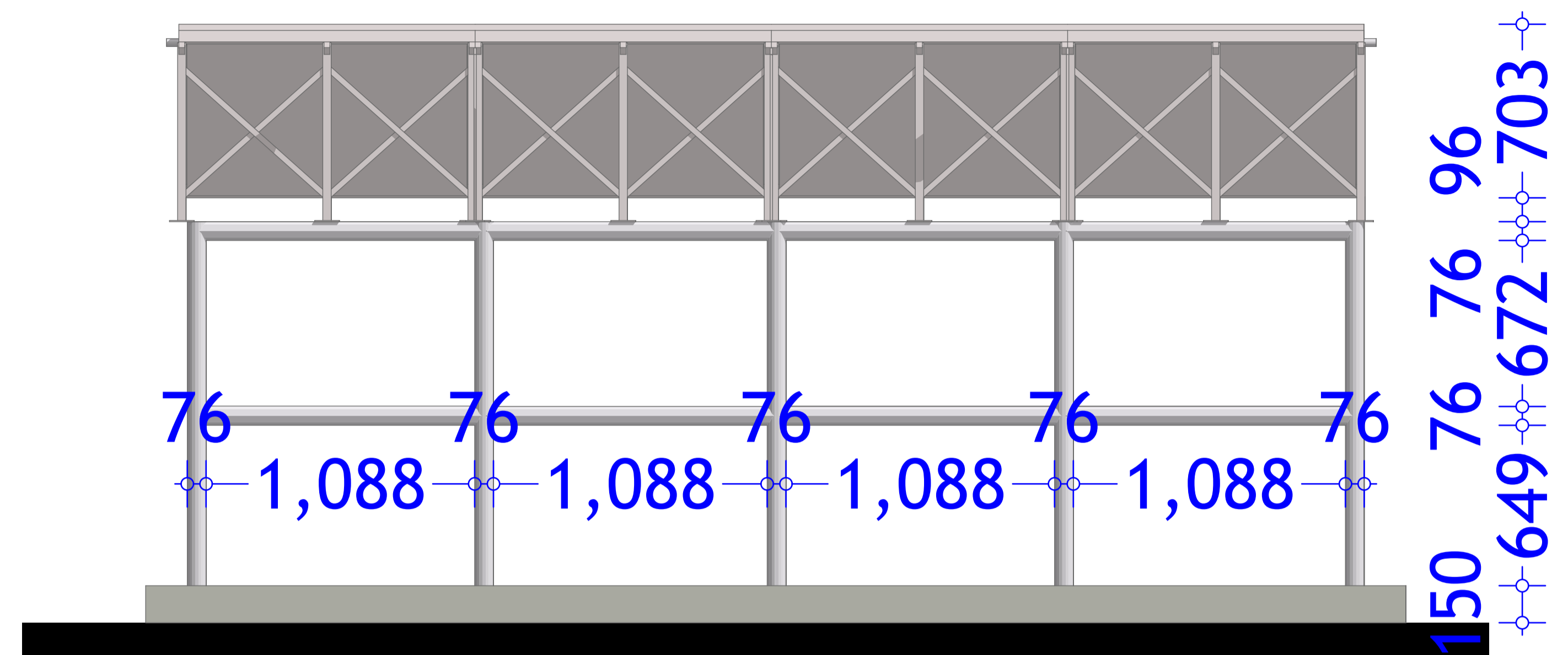
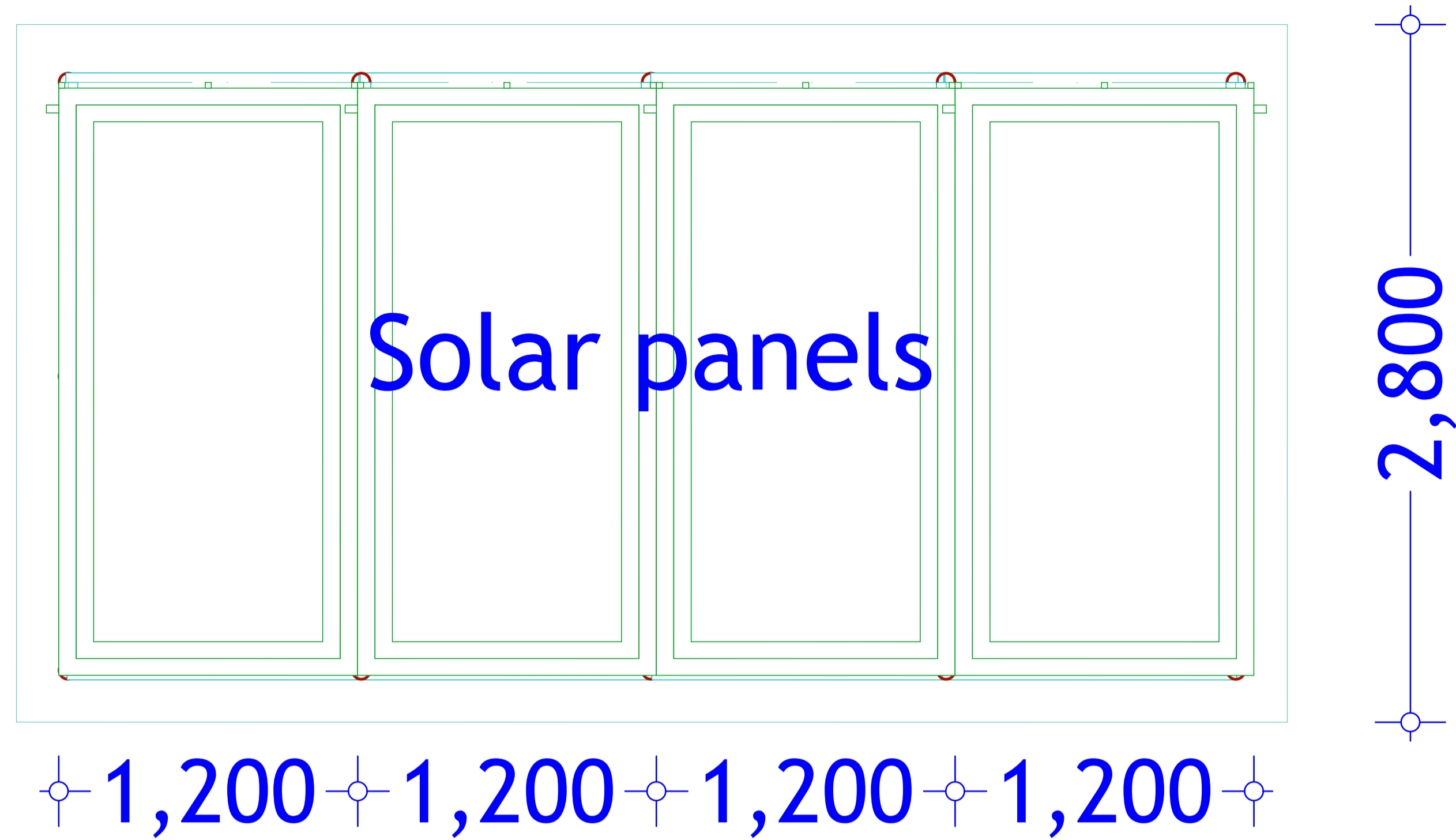
RUBBLE STONE FOUNDATION FOOTING DETAIL

PROJECT. PROPOSED AFMADHOW BOREHOLE
 REHABILITATION
 -WARDILE DISTRICT-

SHEET TITLE:
STRUCTURAL

SCALE		DRAWING TITLE:	CARETAKERS ROOM
DATE	APRIL, 2017	DRAWING N^o:	
DESIGNED BY:	J. NANDWA	PROJECT N^o:	
DRAWN BY:	J. NANDWA		
REVIEWED BY:			
APPROVED BY:			

SHEET N^o:
25/32



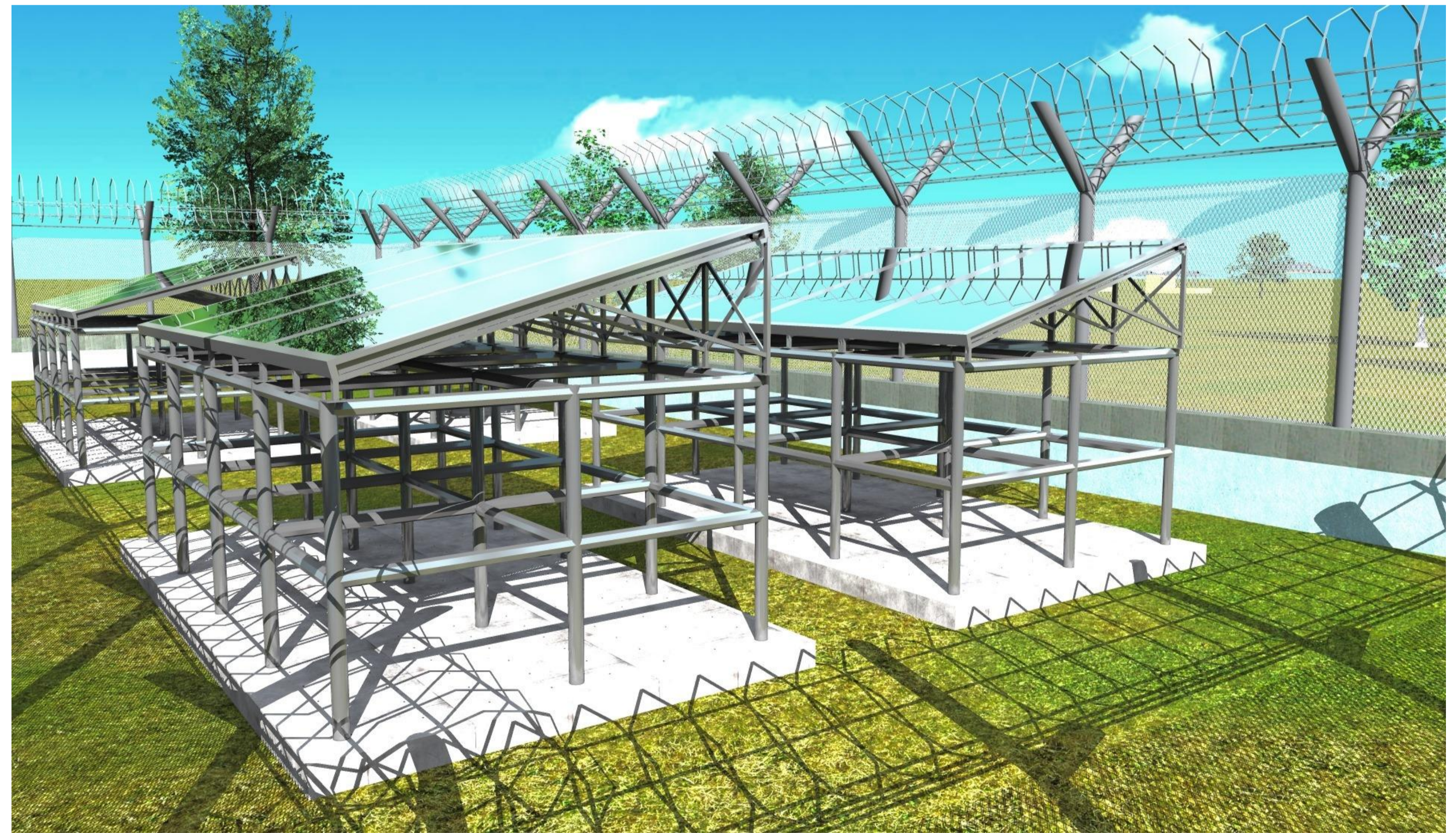
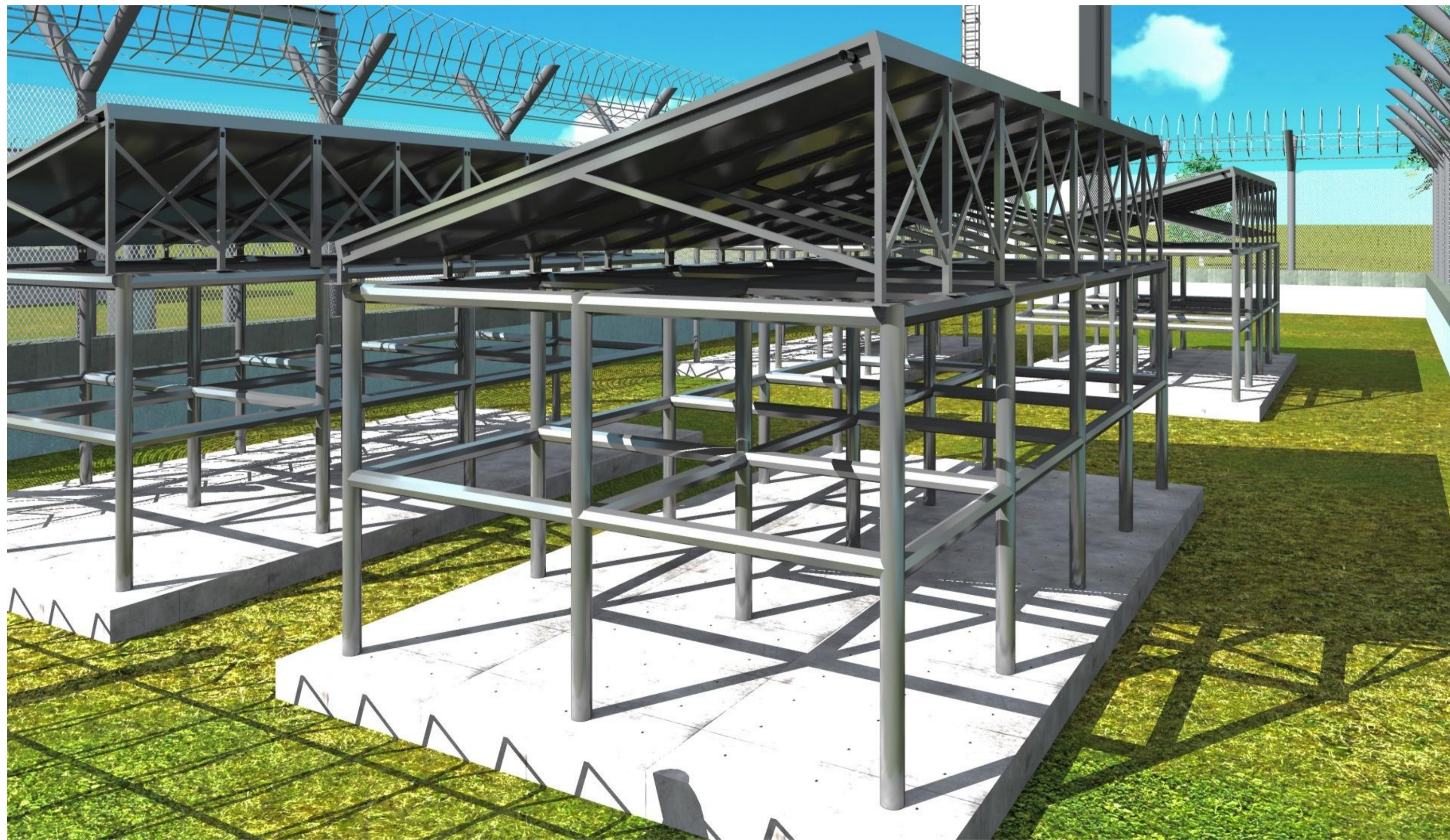
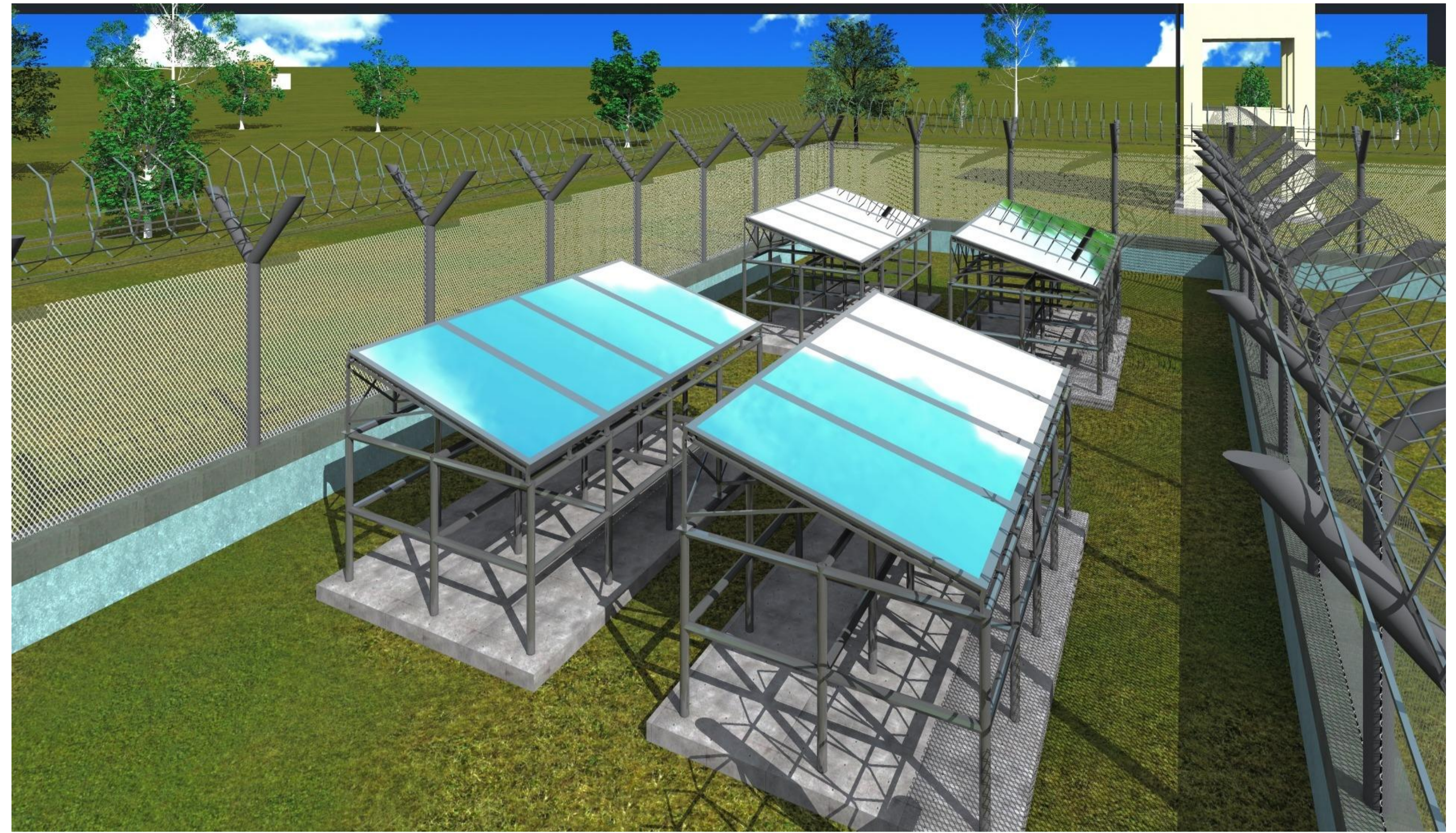
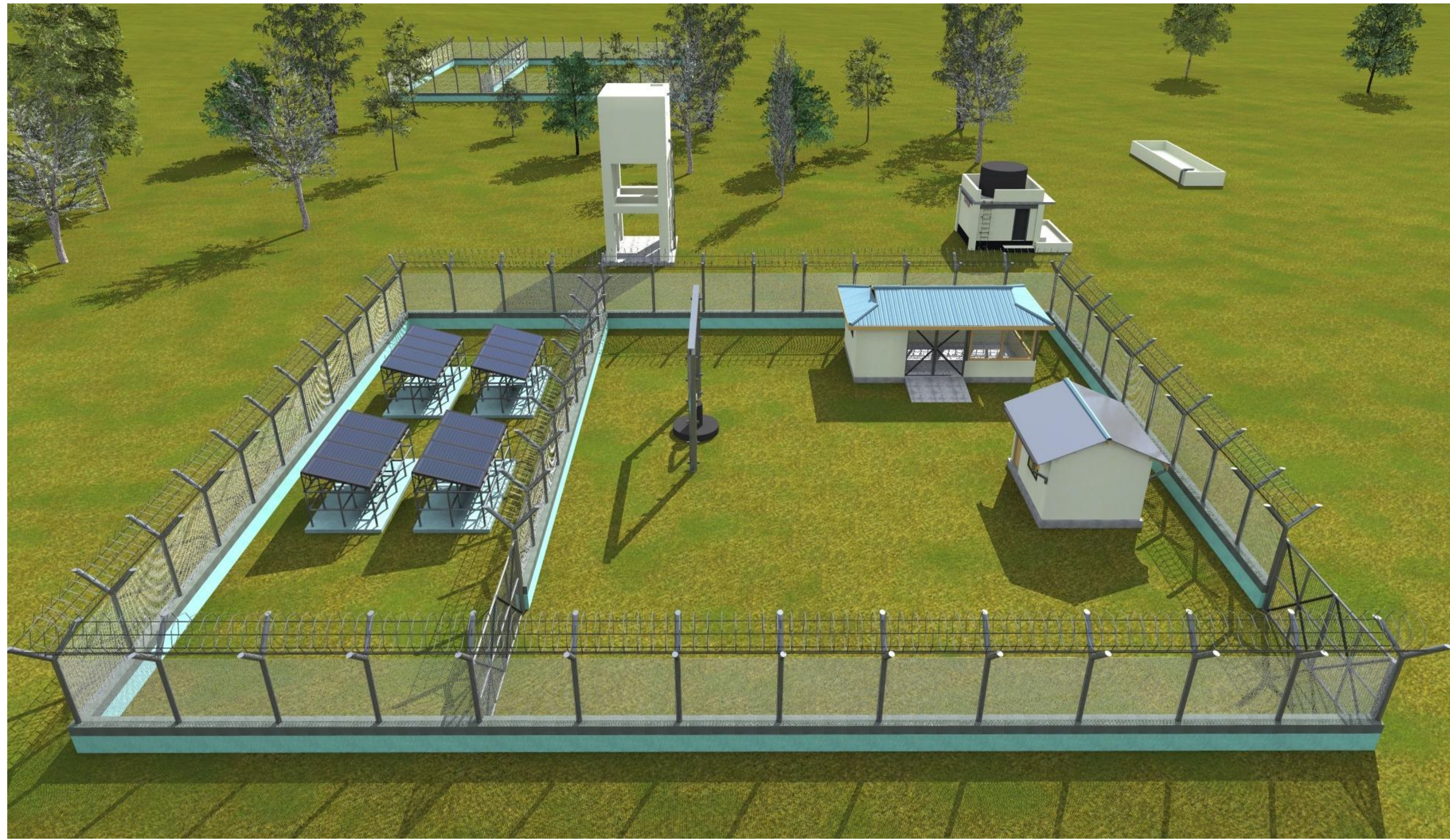
PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

SHEET TITLE:
DETAILS

SCALE		DRAWING TITLE:	
DATE	APRIL, 2017	DRAWING N ^o :	
DESIGNED BY:	J. NANDWA	PROJECT N ^o :	
DRAWN BY:	J. NANDWA		
REVIEWED BY:			
APPROVED BY:			

LATRINES

SHEET N^o:
26/32

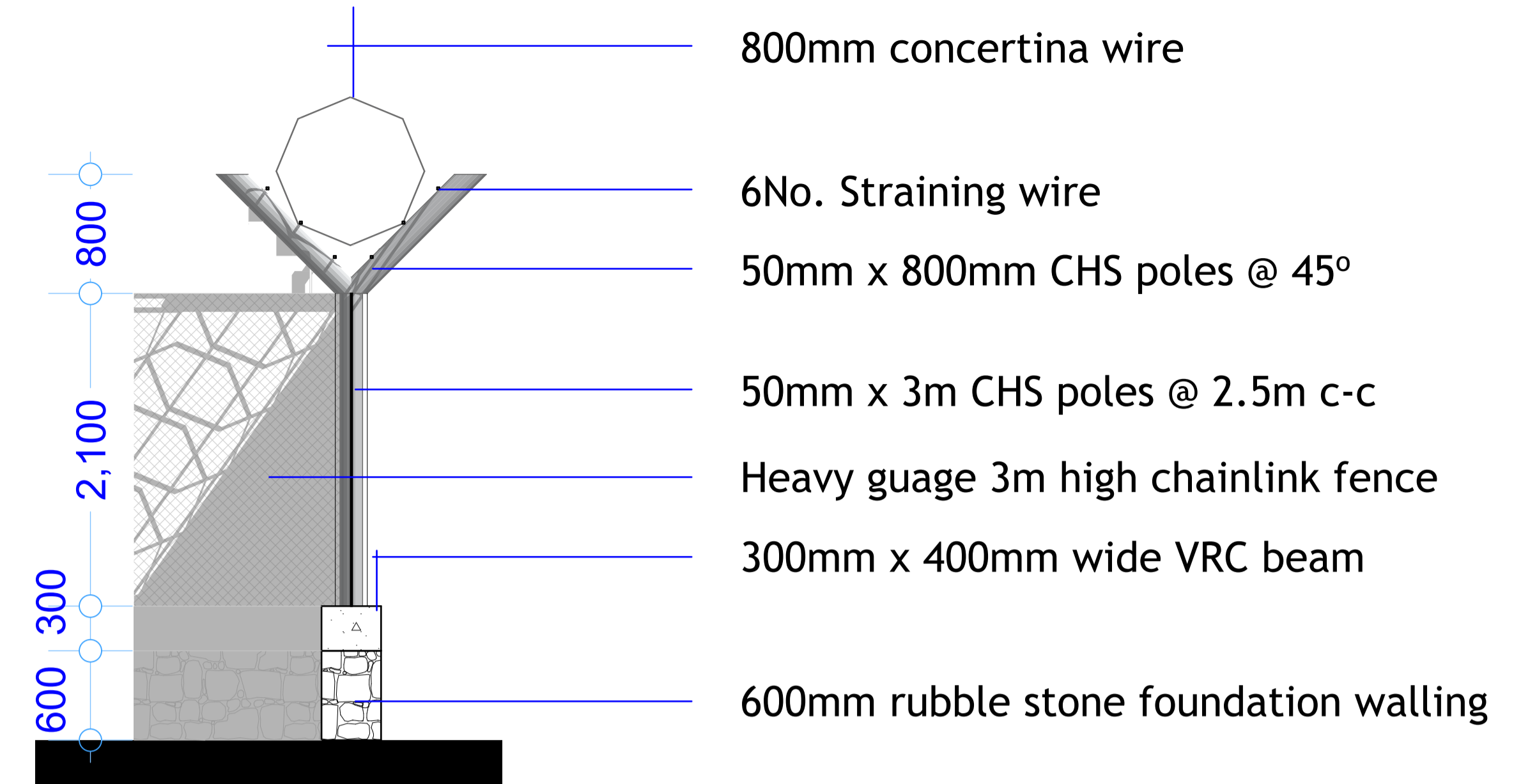
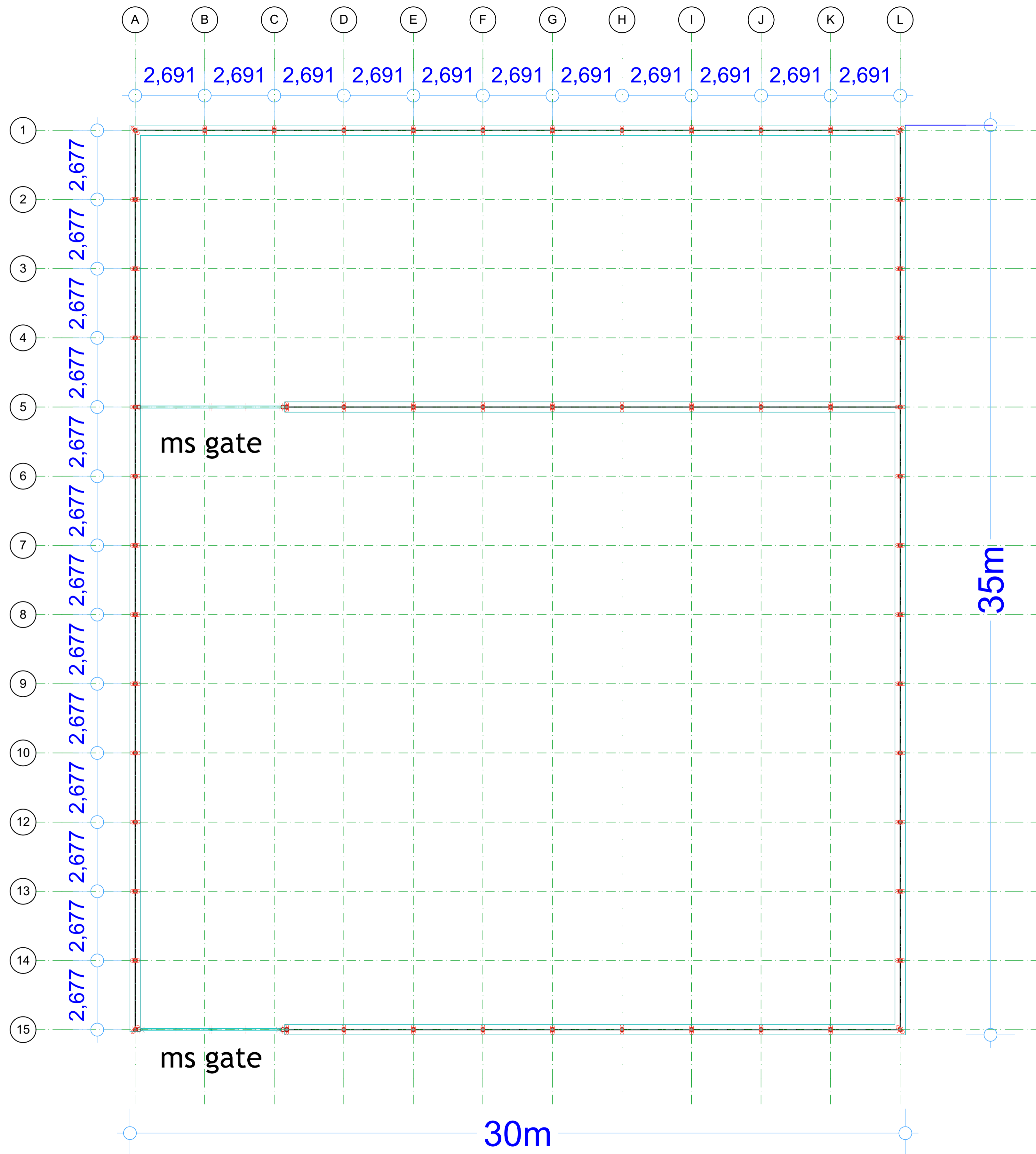


PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

SHEET TITLE:
3D MODELS

SCALE		DRAWING TITLE:	
DATE	APRIL, 2017	DRAWING N ^o :	
DESIGNED BY:	J. NANDWA	PROJECT N ^o :	
DRAWN BY:	J. NANDWA		
REVIEWED BY:			
APPROVED BY:			

LATRINES
SHEET N^o:
27/32

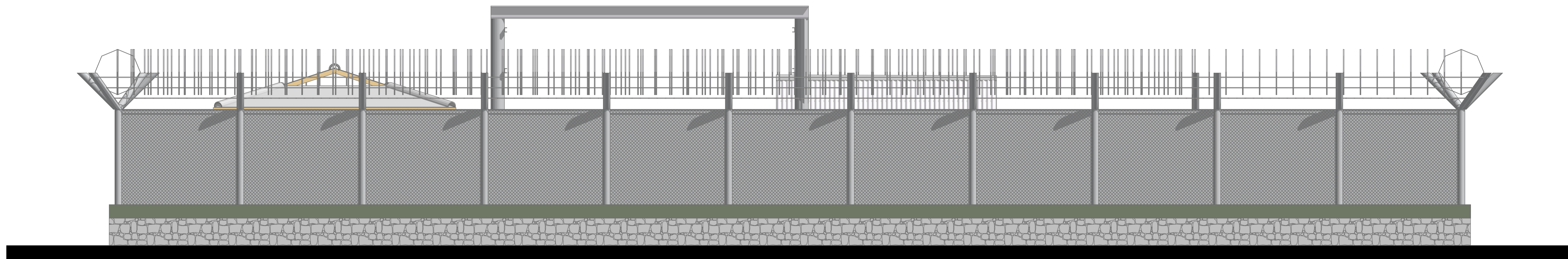
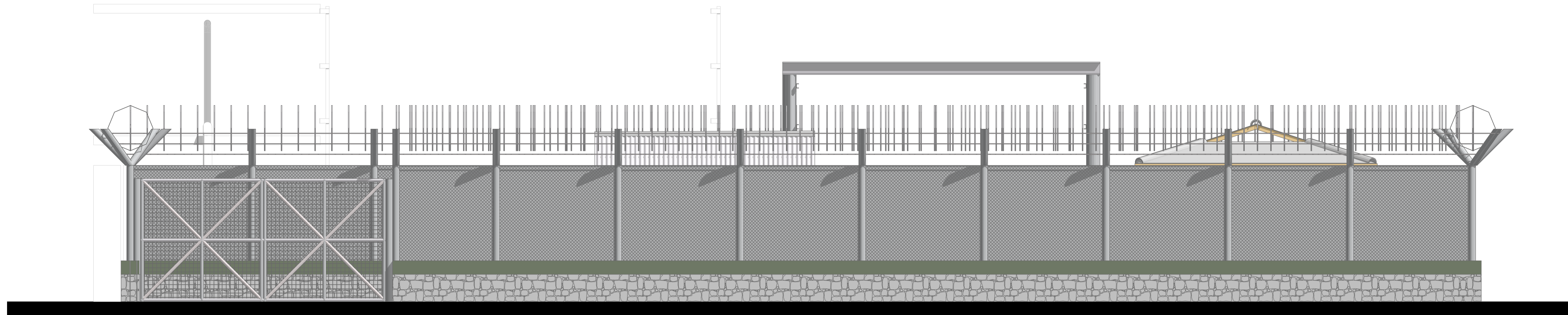


PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

SHEET TITLE:

SCALE		DRAWING TITLE:
DATE	APRIL, 2017	FLOOR LAYOUT
DESIGNED BY:	J. NANDWA	DRAWING N ^o :
DRAWN BY:	J. NANDWA	PROJECT N ^o :
REVIEWED BY:		
APPROVED BY:		

SHEET N^o:
28 / 32

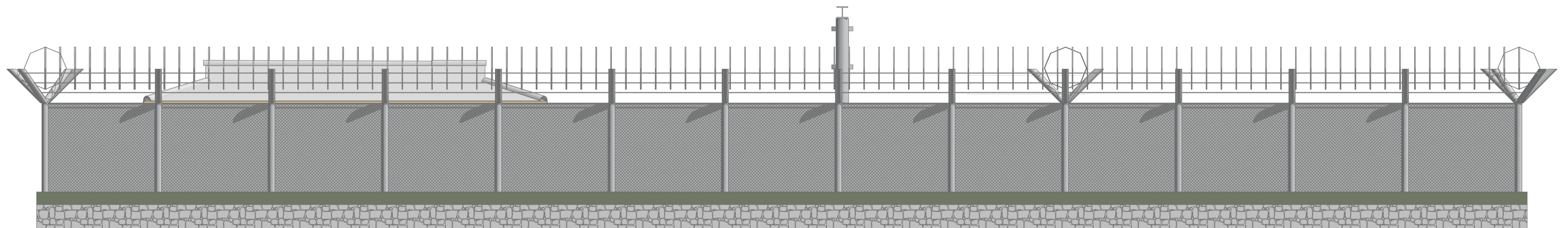
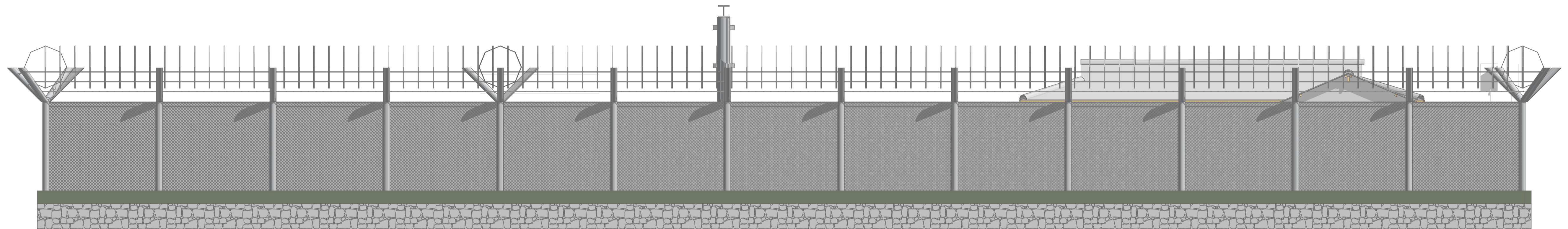


PROJECT. PROPOSED AFMADHOW BOREHOLE
 REHABILITATION
 -WARDILE DISTRICT-

SHEET TITLE:
 ELEVATIONS

SCALE		DRAWING TITLE:
DATE	APRIL, 2017	DRAWING N ^o :
DESIGNED BY:	J. NANDWA	PROJECT N ^o :
DRAWN BY:	J. NANDWA	
REVIEWED BY:		
APPROVED BY:		

SHEET N^o:
 29/32



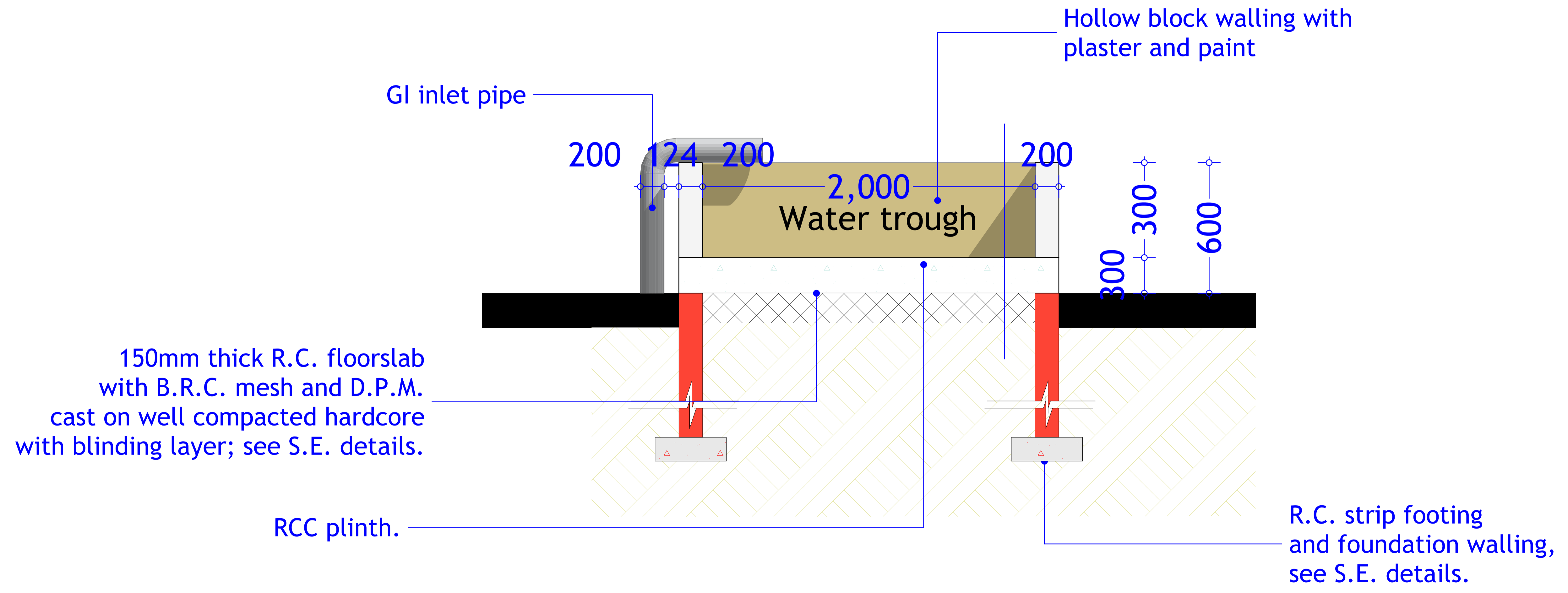
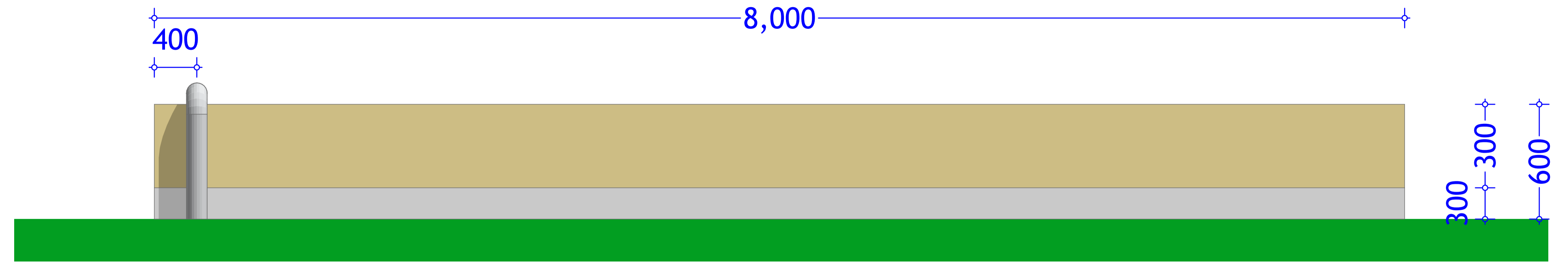
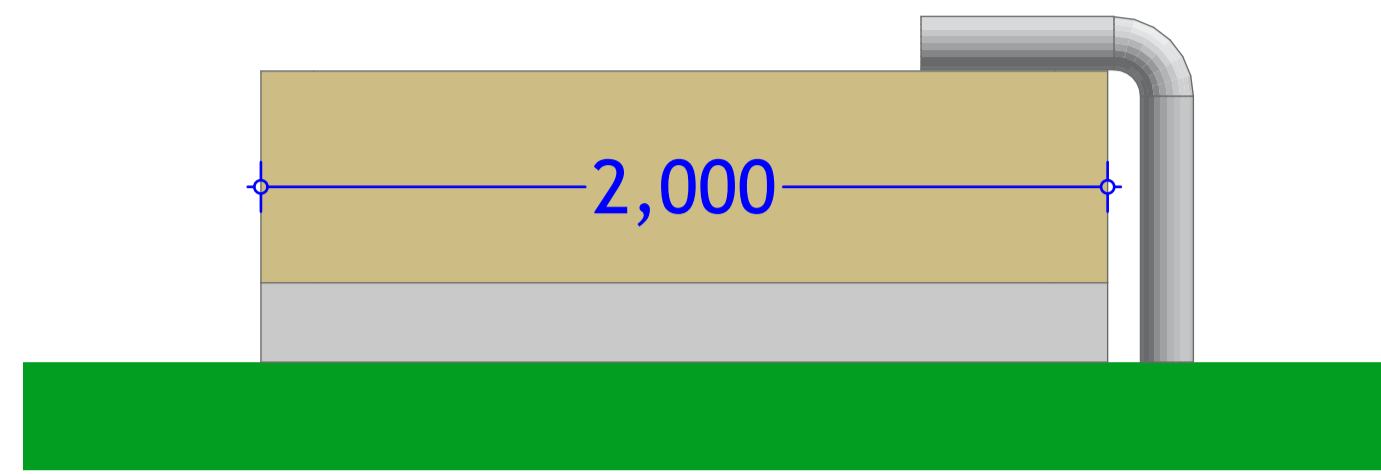
PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

SHEET TITLE:
ELEVATIONS

SCALE	
DATE	APRIL, 2017
DESIGNED BY:	J. NANDWA
DRAWN BY:	J. NANDWA
REVIEWED BY:	
APPROVED BY:	

DRAWING TITLE:
DRAWING N^o:
PROJECT N^o:

SHEET N^o:
30 / 32

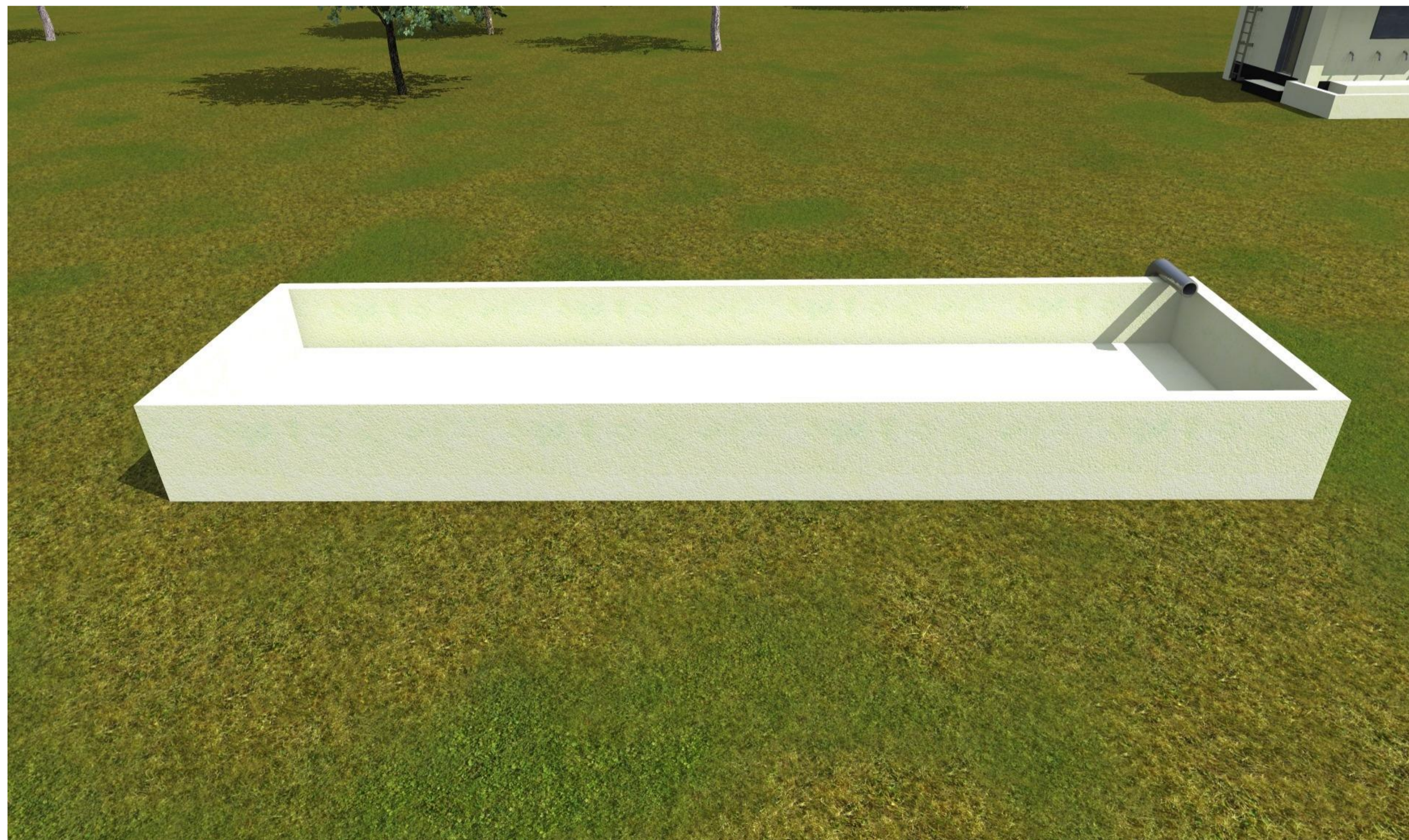
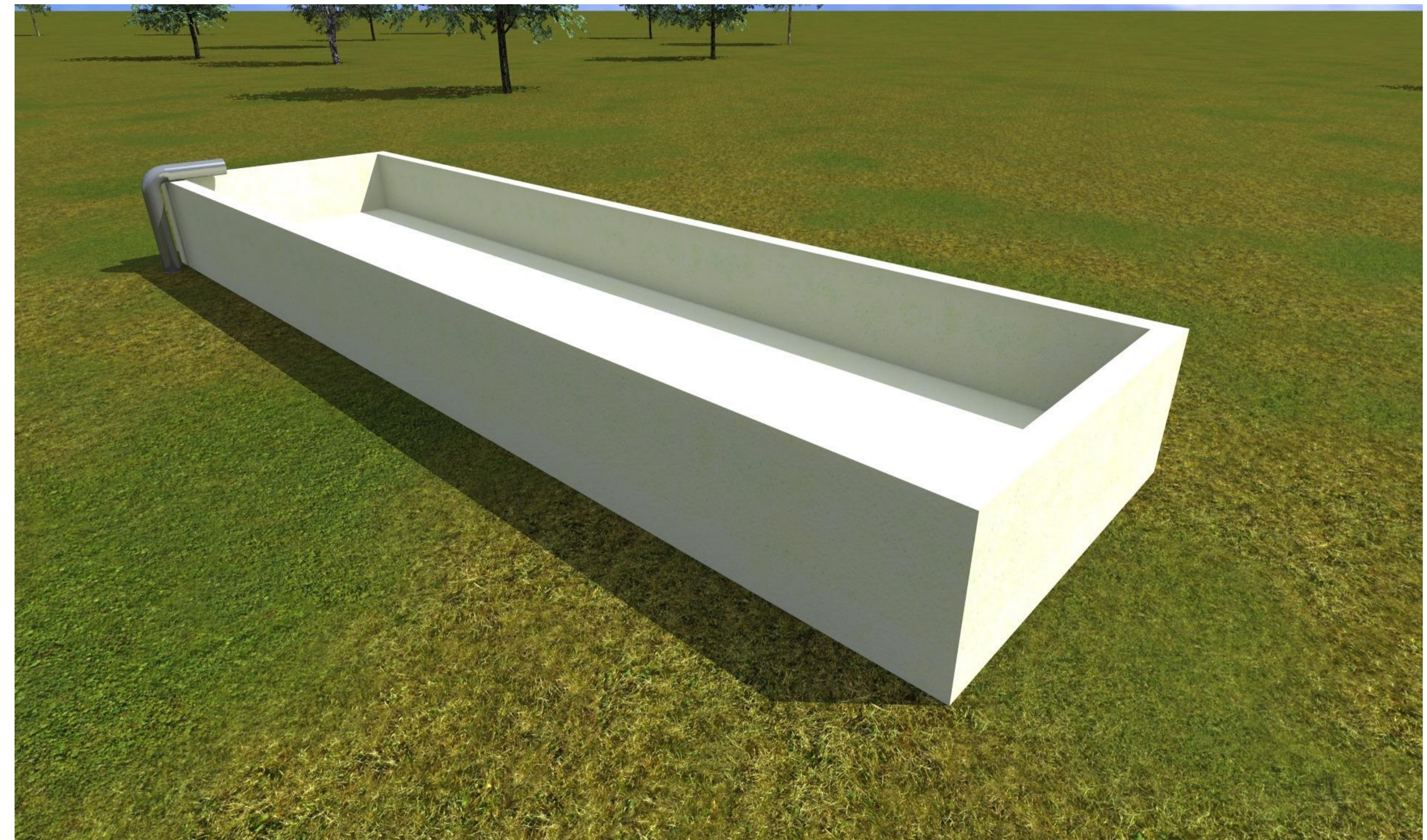
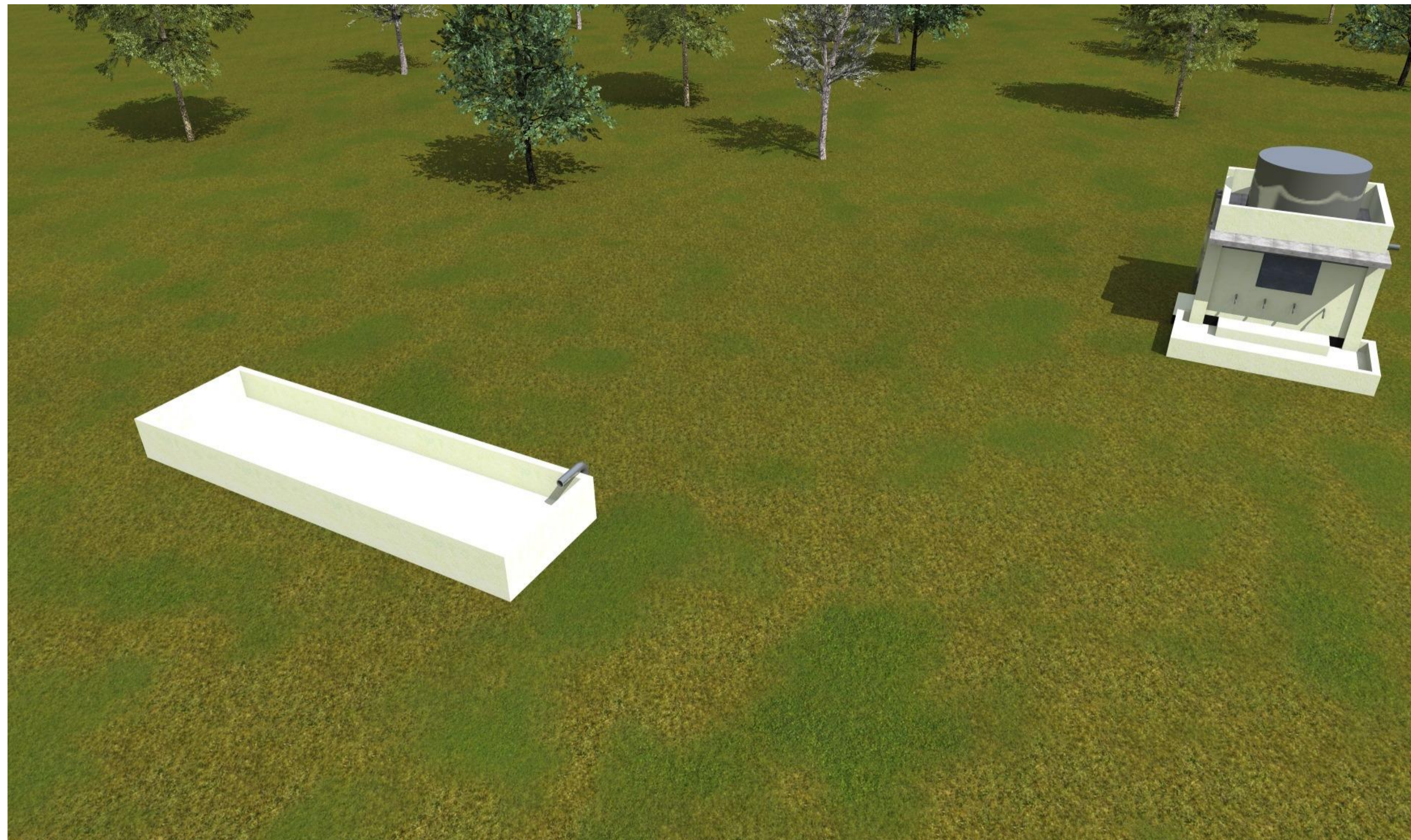


PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

SHEET TITLE:
LAYOUT

SCALE		DRAWING TITLE:
DATE	APRIL, 2017	DRAWING N ^o :
DESIGNED BY:	J. NANDWA	PROJECT N ^o :
DRAWN BY:	J. NANDWA	
REVIEWED BY:		
APPROVED BY:		

SHEET N^o:
31 / 32



PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-WARDILE DISTRICT-

SHEET TITLE:
3D Scenes

SCALE		DRAWING TITLE:
DATE	APRIL, 2017	DRAWING N ^o :
DESIGNED BY:	J. NANDWA	PROJECT N ^o :
DRAWN BY:	J. NANDWA	
REVIEWED BY:		
APPROVED BY:		

SHEET N^o:
32 / 32