

**PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-AFMADHOW DISTRICT-**

PROJECT:

**PROPOSED AFMADHOW
BOREHOLE REHABILITATION
-AFMADHOW DISTRICT-**

IMPLEMENTING AGENCY.



IOM International Organization for Migration

GOVERNMENT:

PROPOSED AFMADHOW BOREHOLE REHABILITATION

DRAWING INDEX

APRIL 2016

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PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-AFMADHOW DISTRICT-

Coordinates

Ref.	Latitude	Longitude
Site.	00° 20.680' S.	042° 31.700' 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°:	
PROJECT N°:	

LOCATION
SHEET N°:
03 / 32



PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-AFMADHOW 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



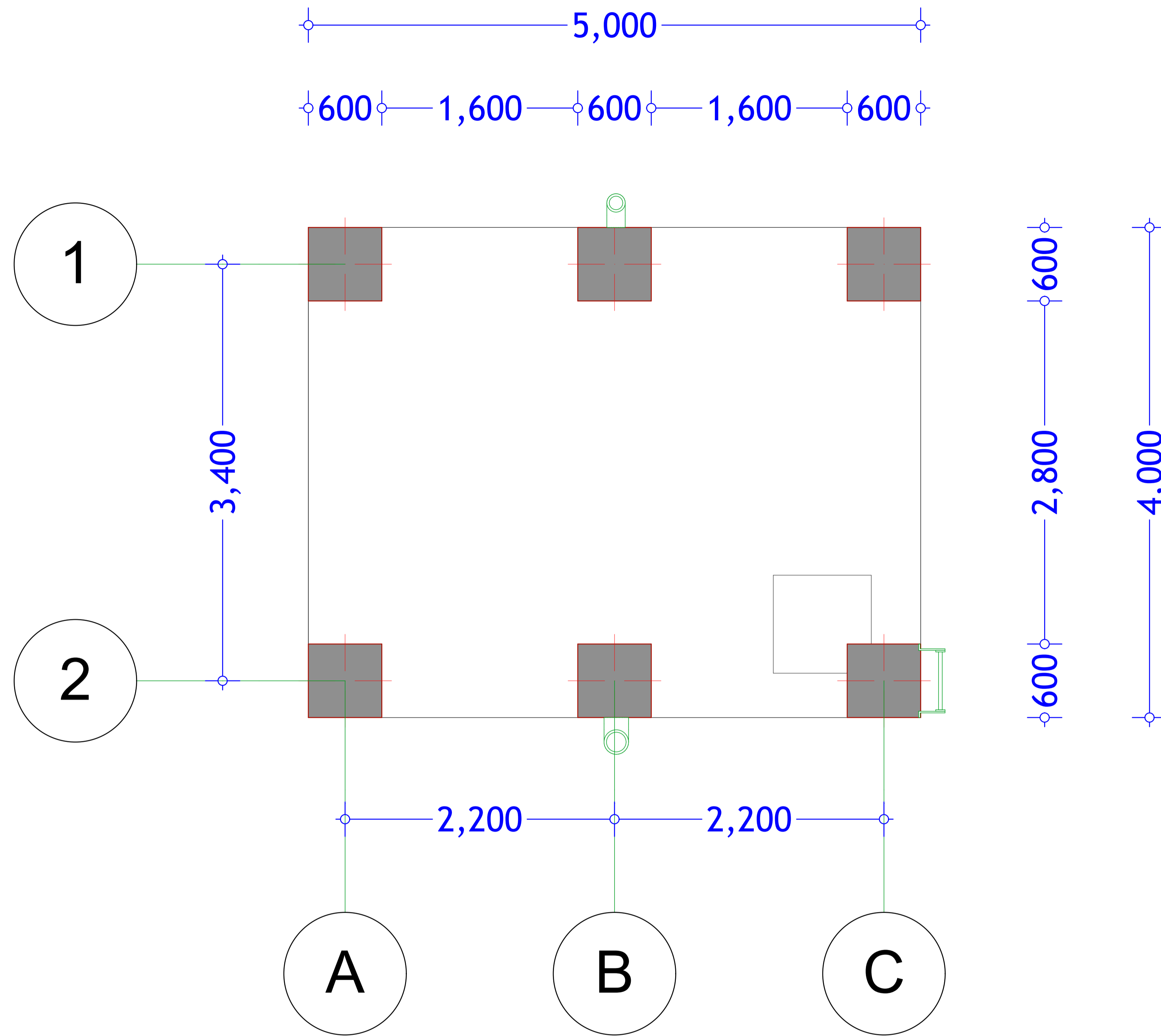
PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-AFMADHOW DISTRICT-

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



Floor plan

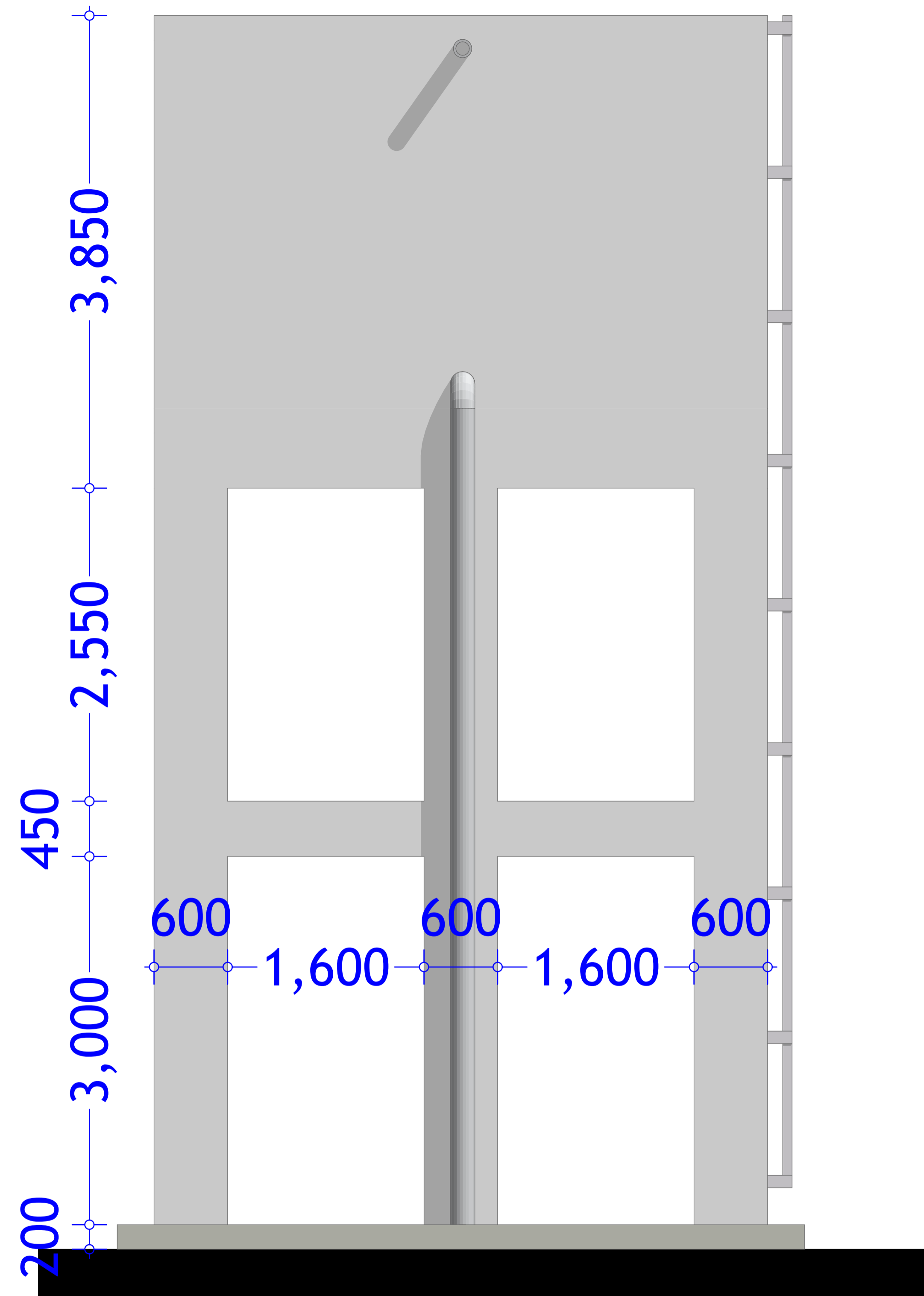
PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-AFMADHOW DISTRICT-

SHEET TITLE:
FLOOR LAYOUT

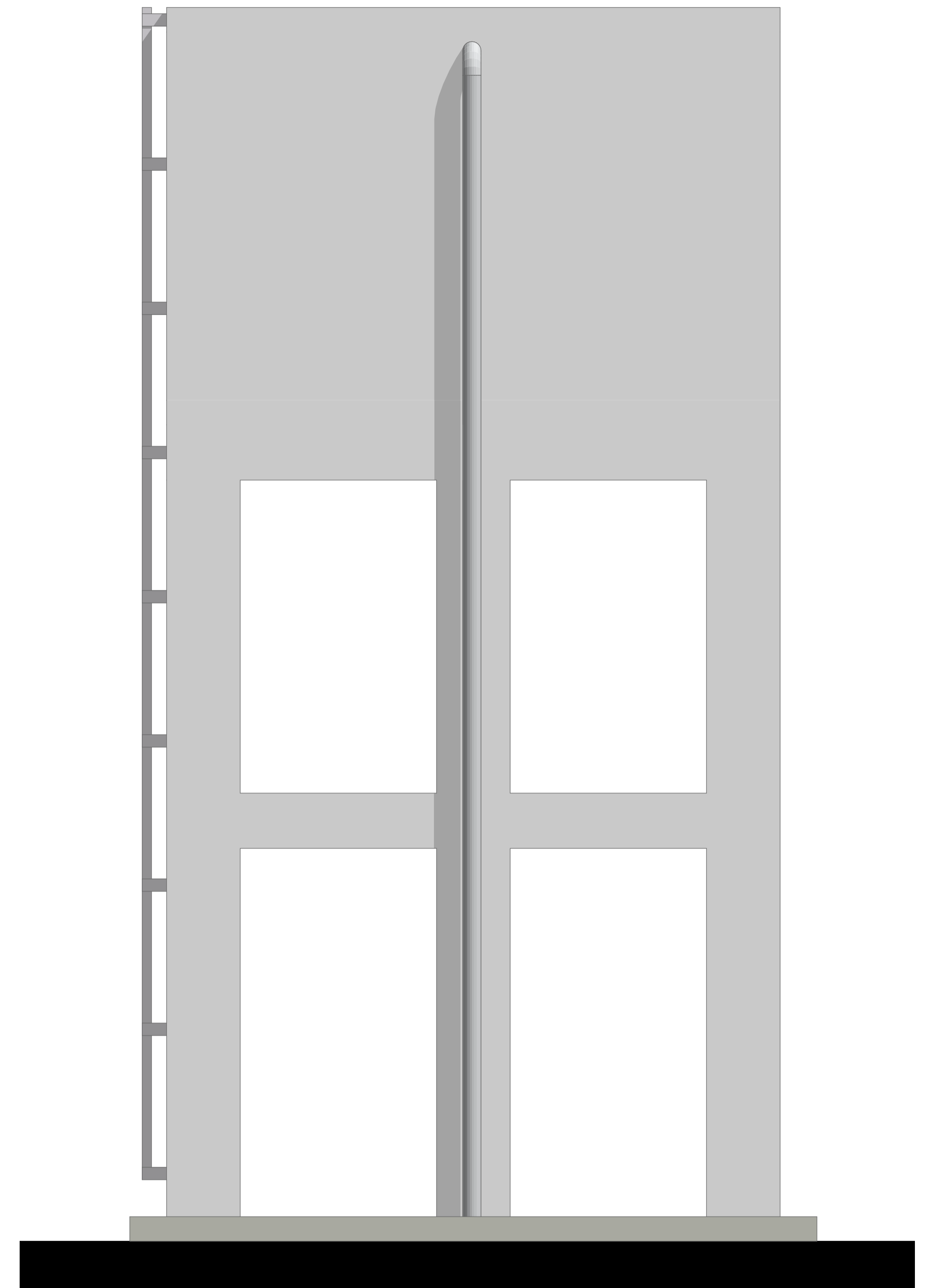
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DATE	APRIL, 2017	DRAWING N ^o :	
DESIGNED BY:	J. NANDWA	PROJECT N ^o :	
DRAWN BY:	J. NANDWA		
REVIEWED BY:			
APPROVED BY:			

WATER TANK

SHEET N^o:
06 / 32



South Elevation



North Elevation

PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-AFMADHOW DISTRICT-

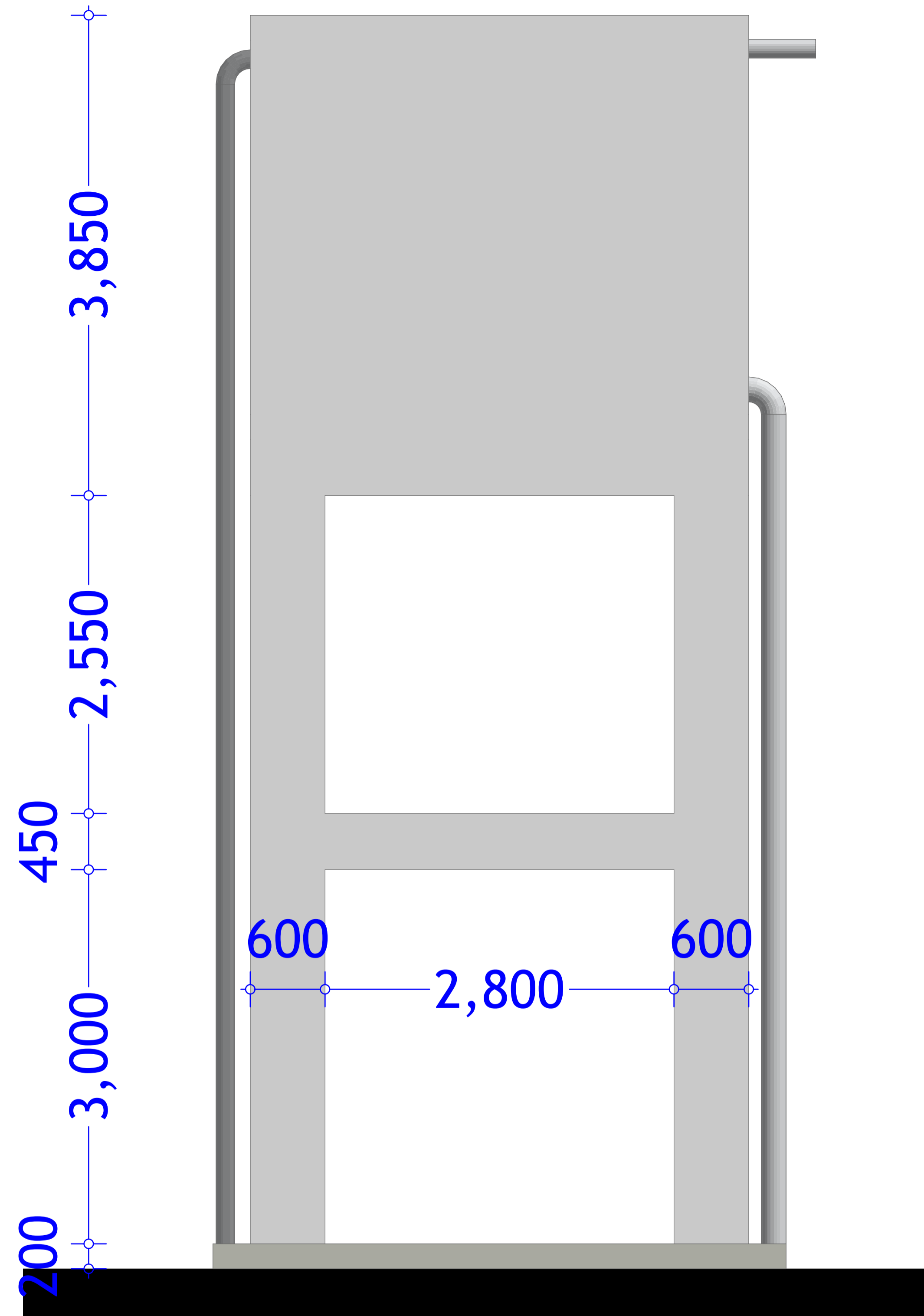
SHEET TITLE:
ELEVATIONS_1

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

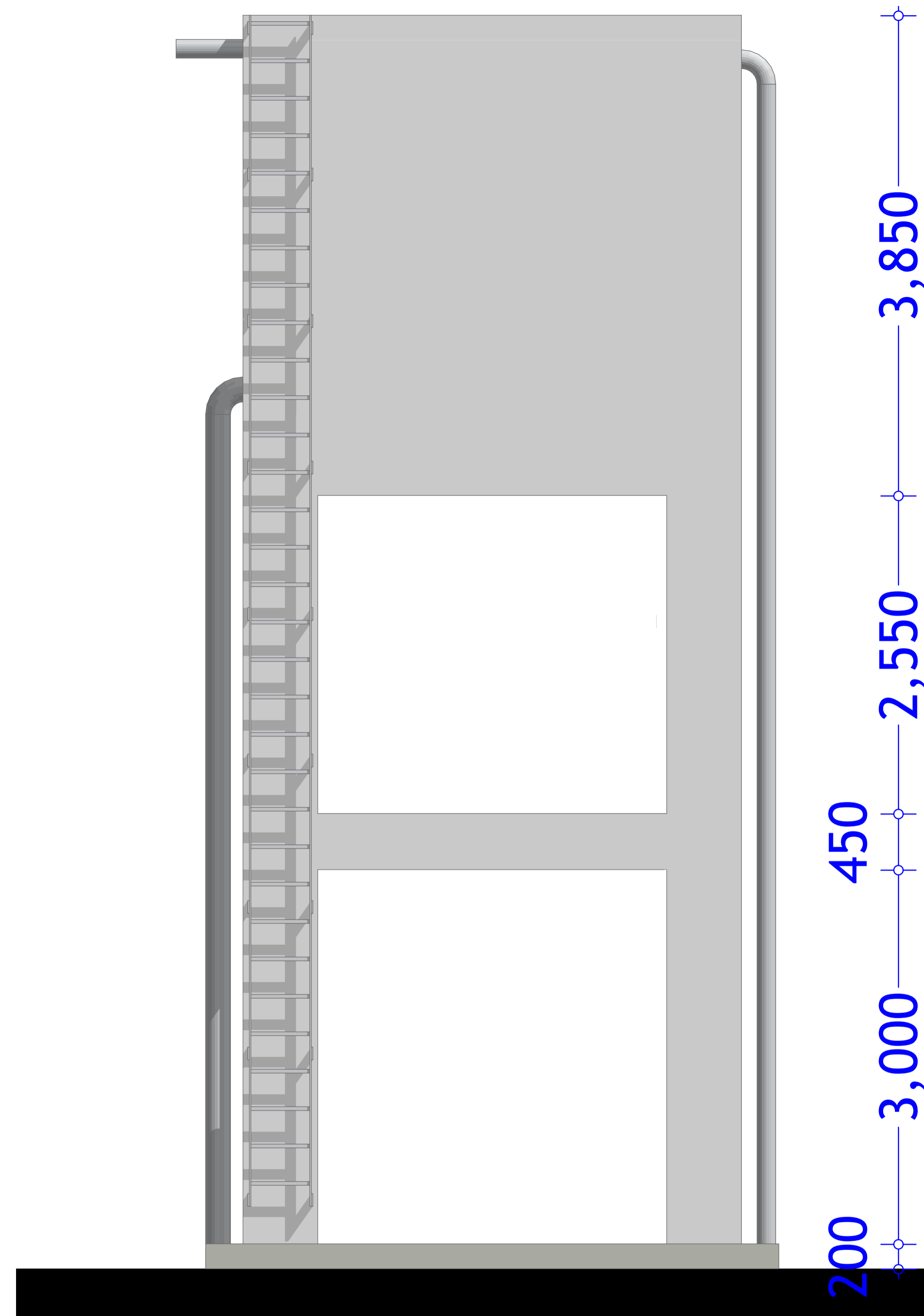
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PROJECT N^o:

WATER TANK

SHEET N^o:
07/32



West Elevation



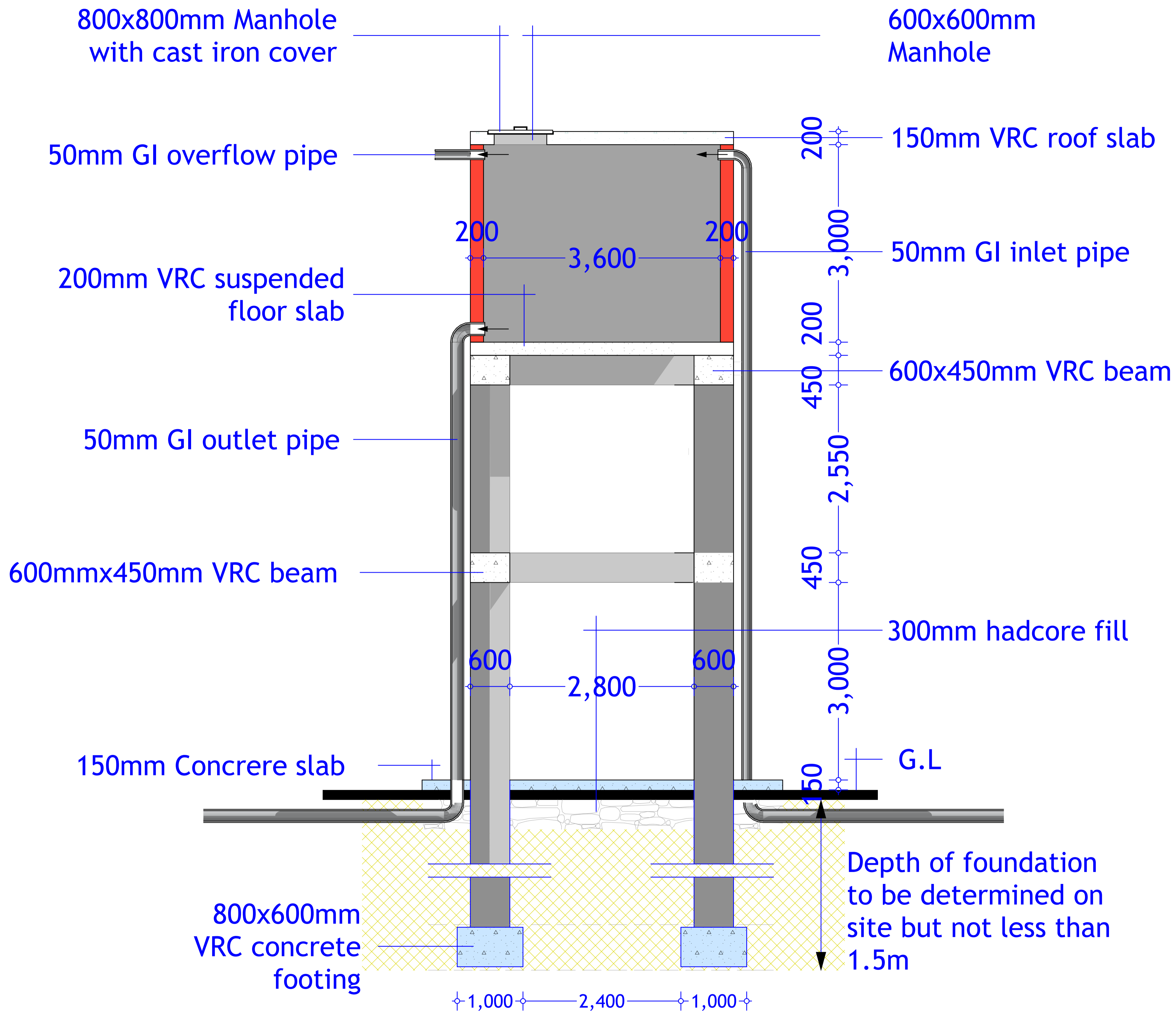
East Elevation

PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-AFMADHOW DISTRICT-

SHEET TITLE:
ELEVATIONS_2

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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
-AFMADHOW DISTRICT-

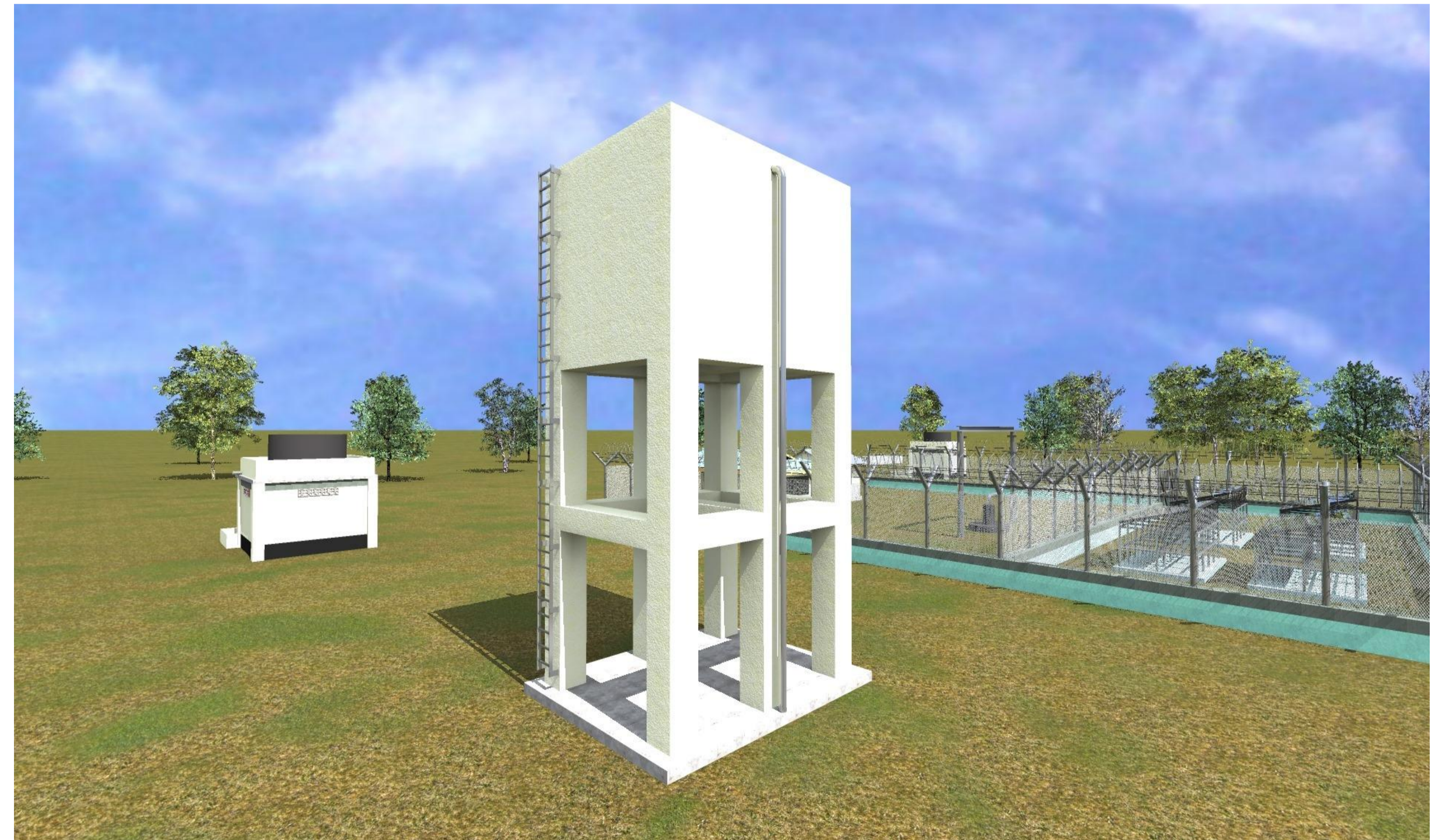
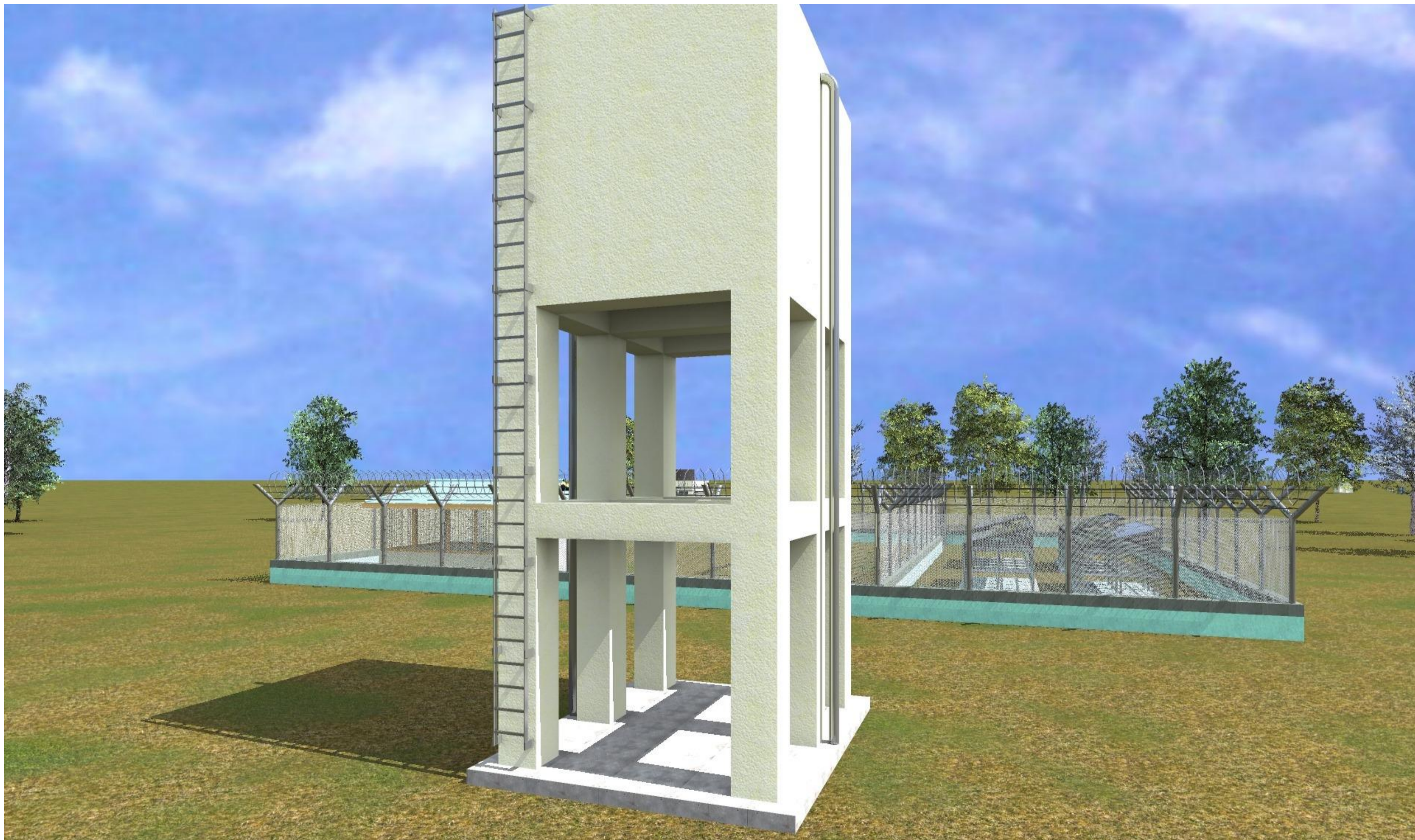
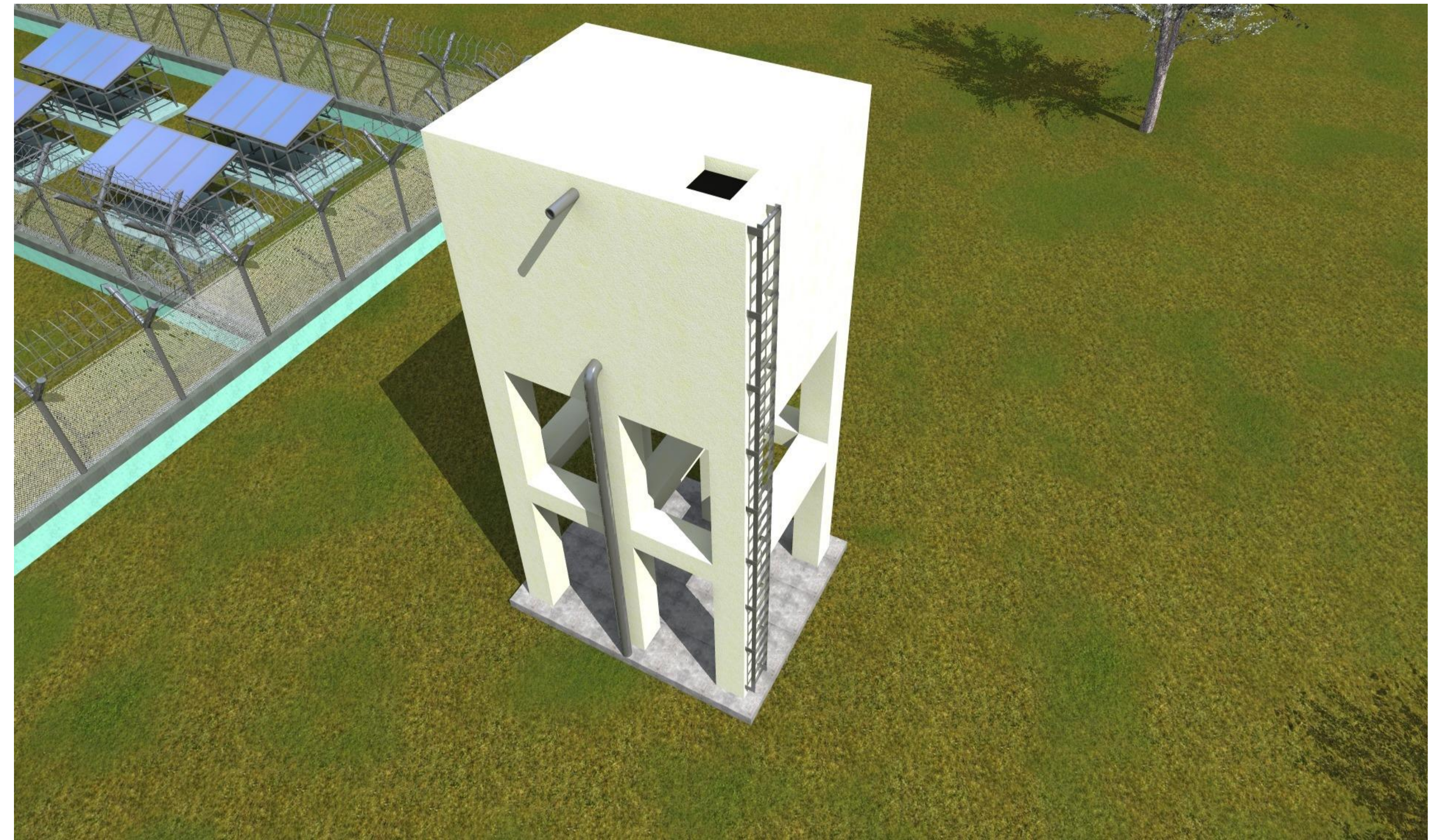
SHEET TITLE:
SECTIONS

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

WATER TANK

SHEET N^o:

09/32



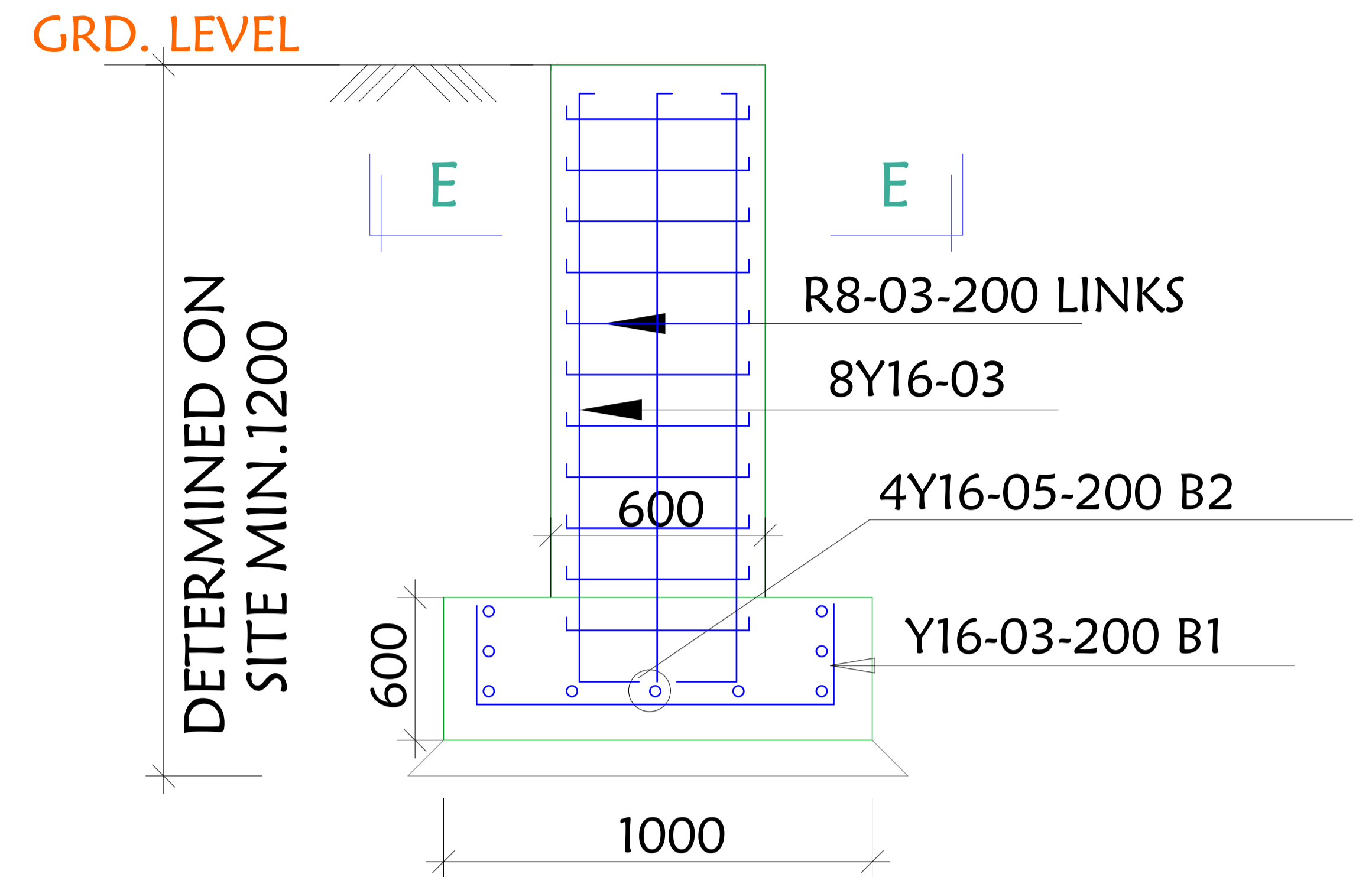
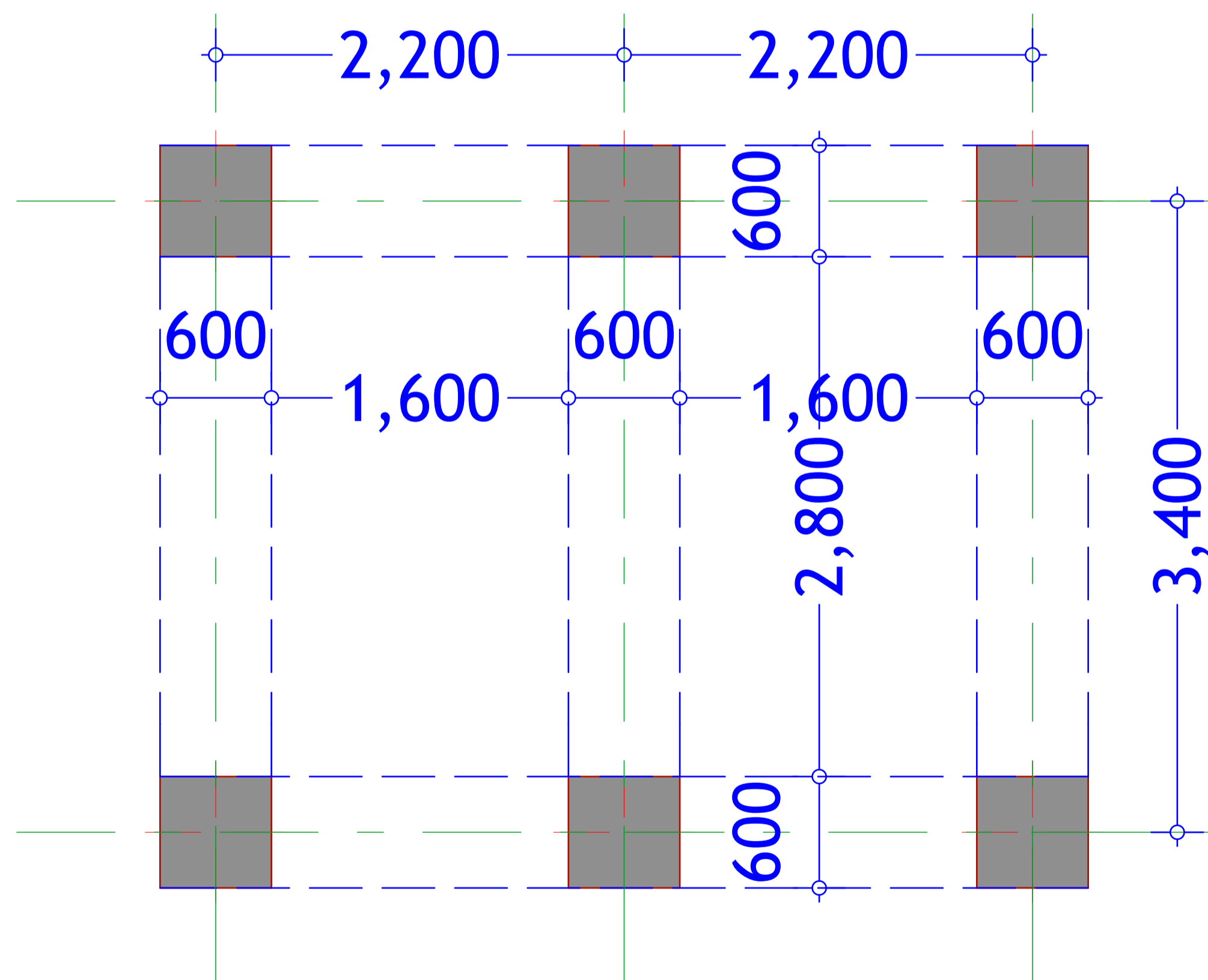
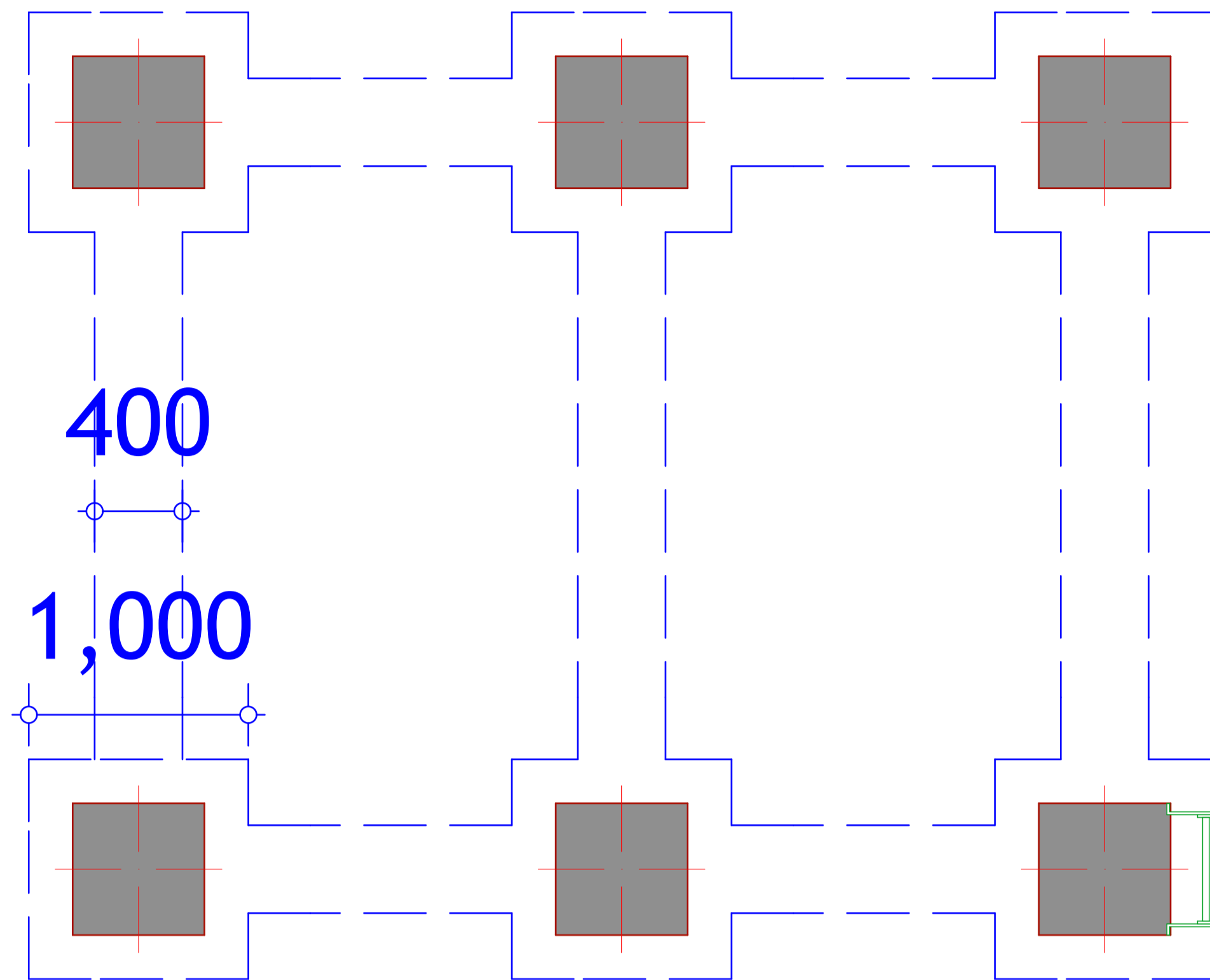
PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-AFMADHOW DISTRICT-

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3D PRESENTATION

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

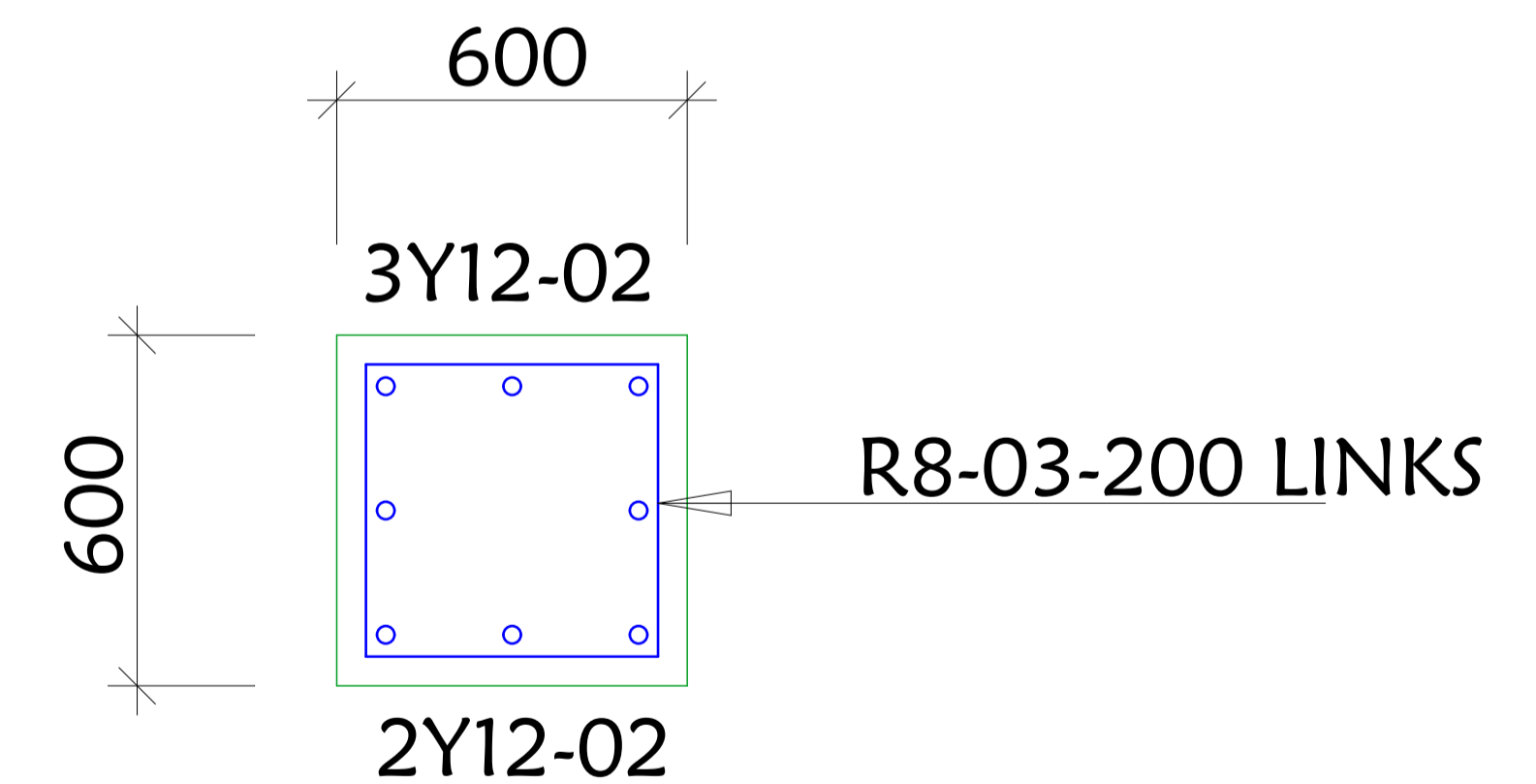
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DRAWING N^o:	
PROJECT N^o:	

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
-AFMADHOW DISTRICT-

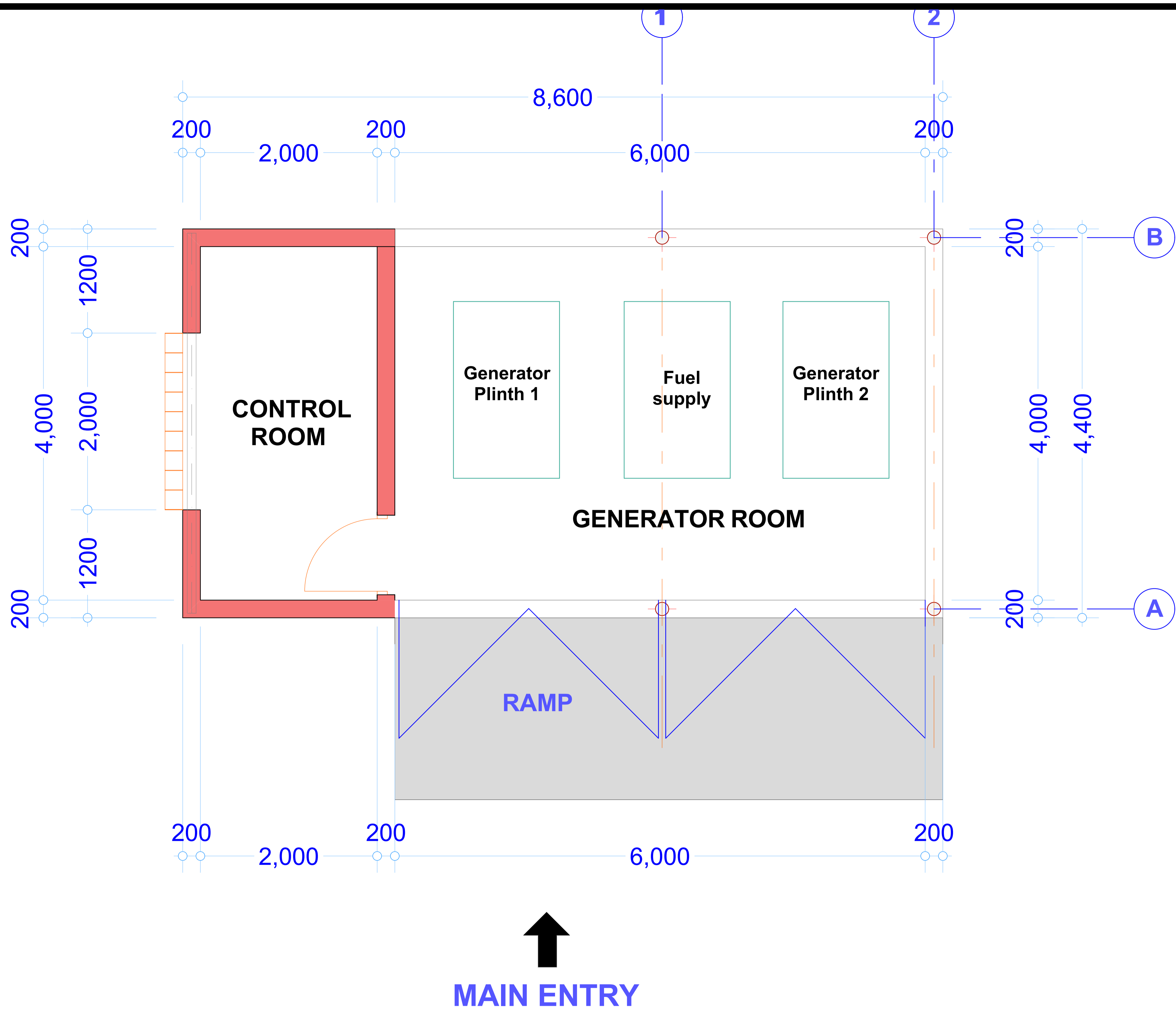
SHEET TITLE:
STRUCT. DETAIL (Foundation)

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

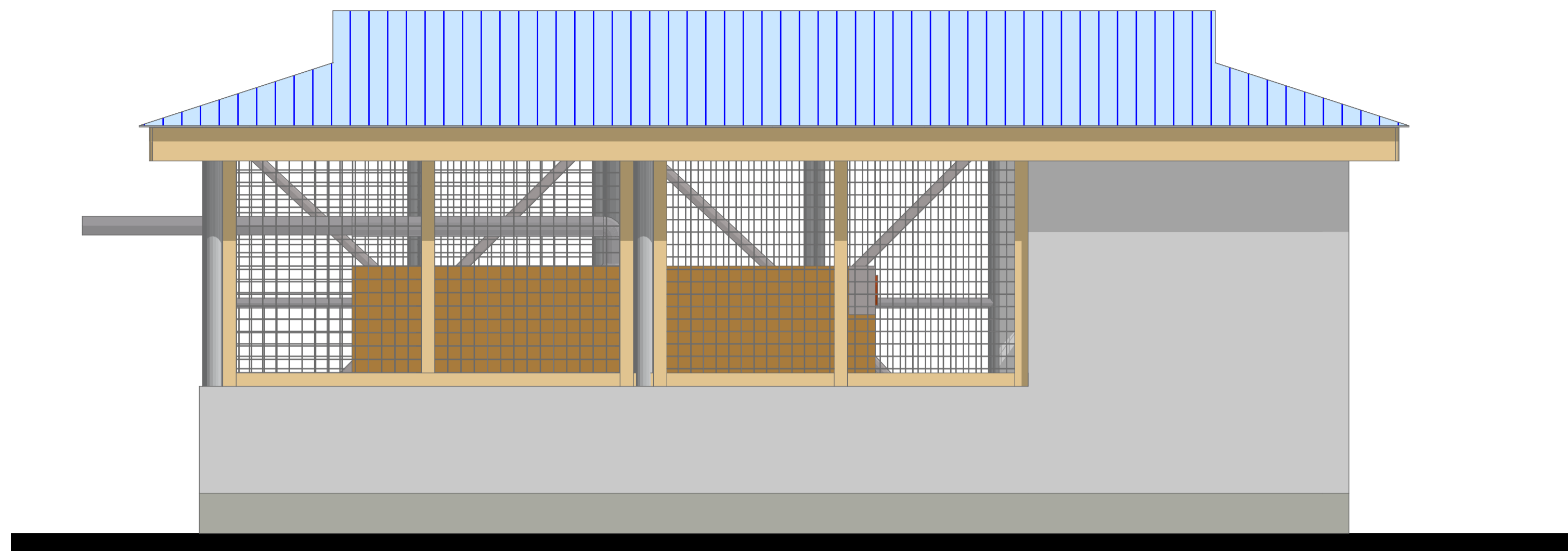


PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-AFMADHOW DISTRICT-

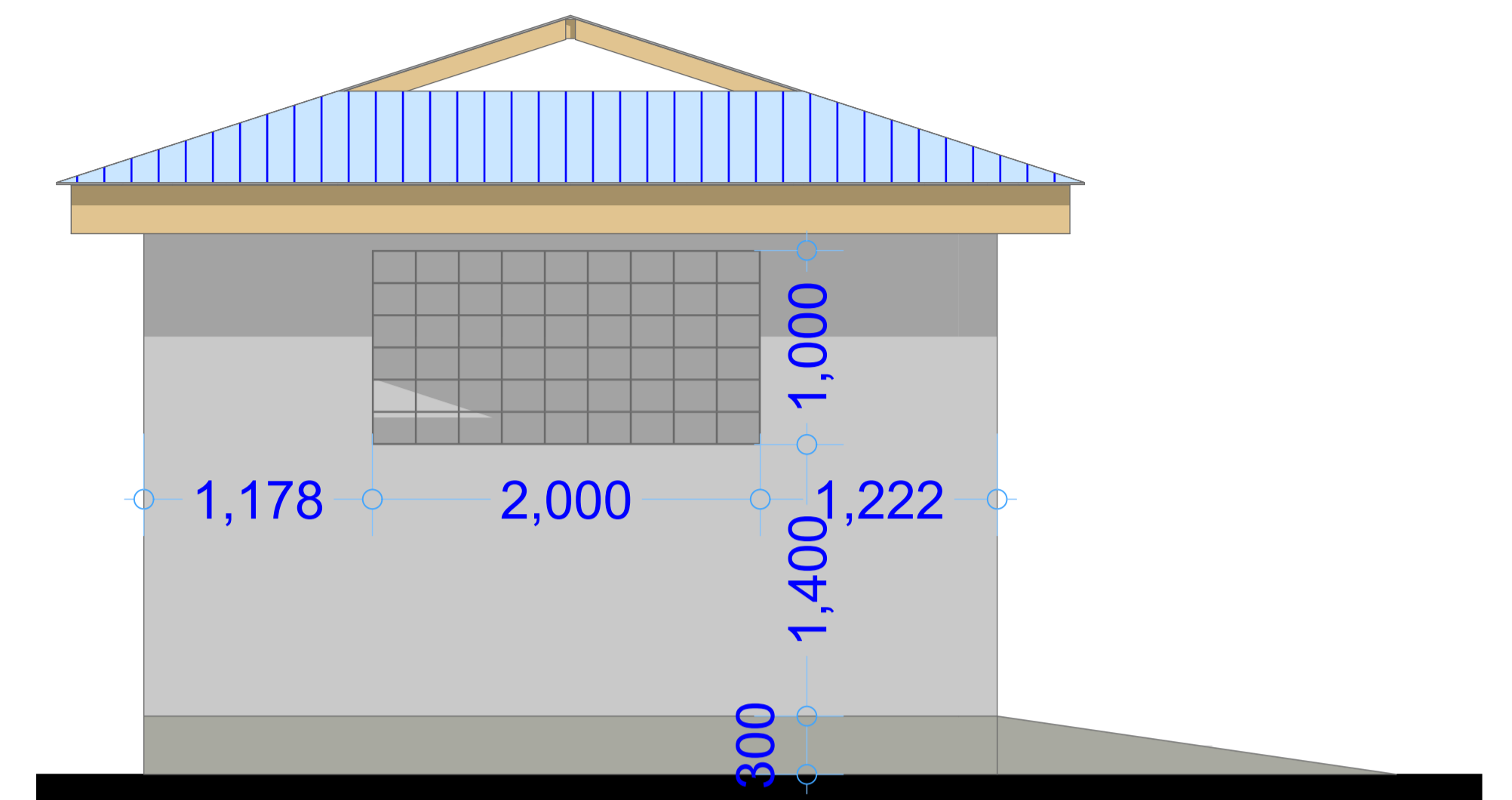
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FLOOR LAYOUT

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DESIGNED BY:	J. NANDWA	PROJECT N ^o :	
DRAWN BY:	J. NANDWA		
REVIEWED BY:			
APPROVED BY:			

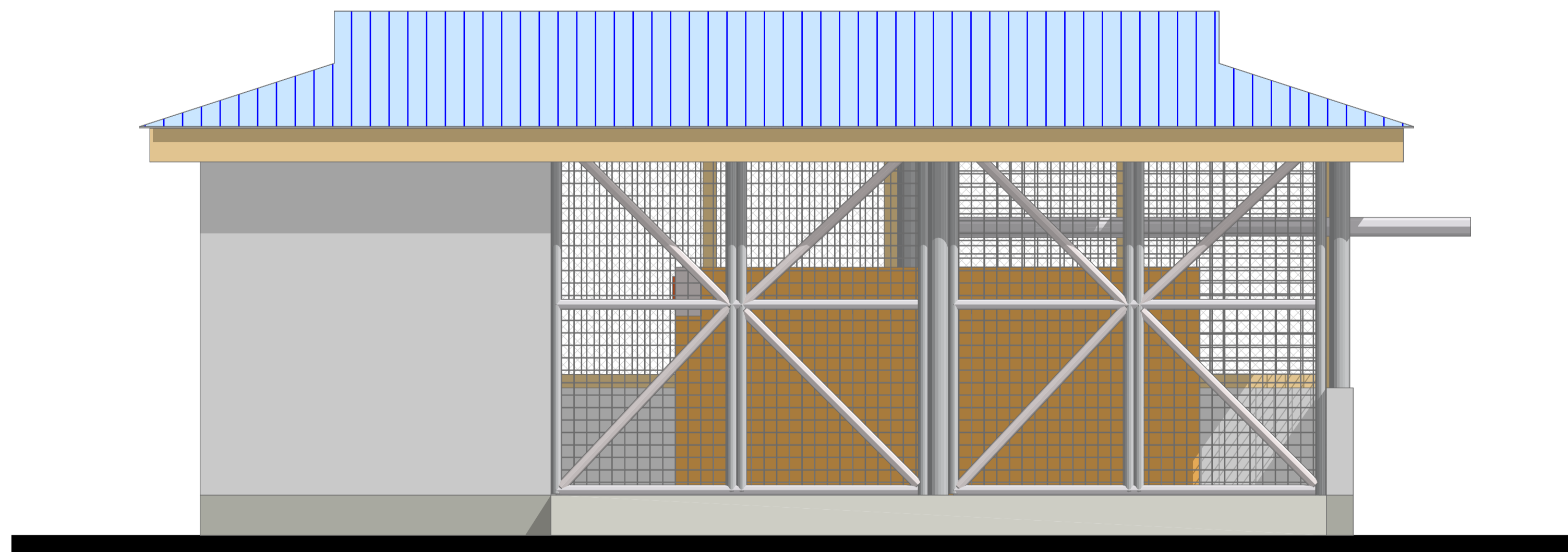
SHEET N^o:
12/32



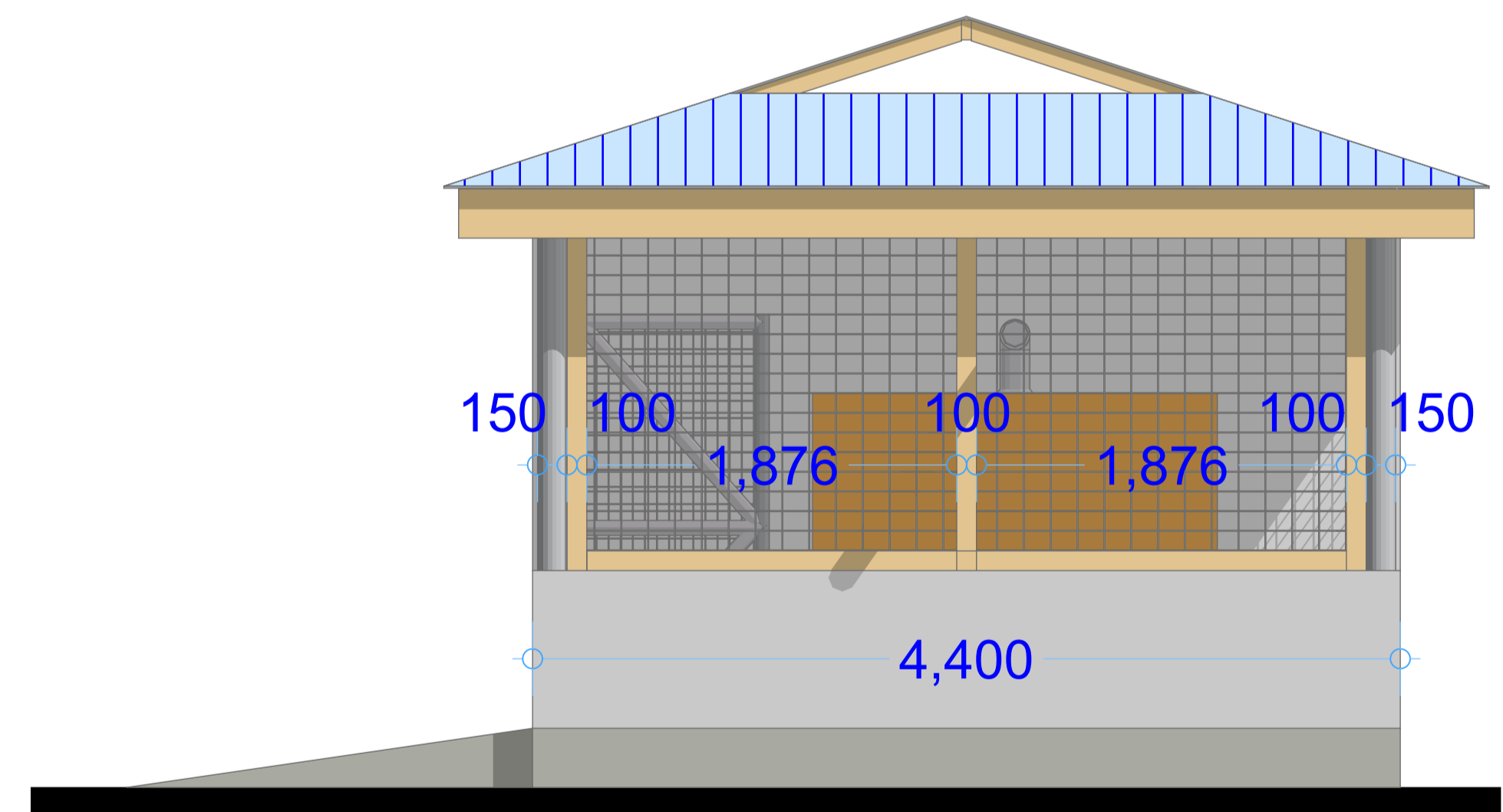
SOUTH ELEVATION



EAST ELEVATION



NORTH ELEVATION



WEST ELEVATION

PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-AFMADHOW DISTRICT-

SHEET TITLE:
ELEVATIONS

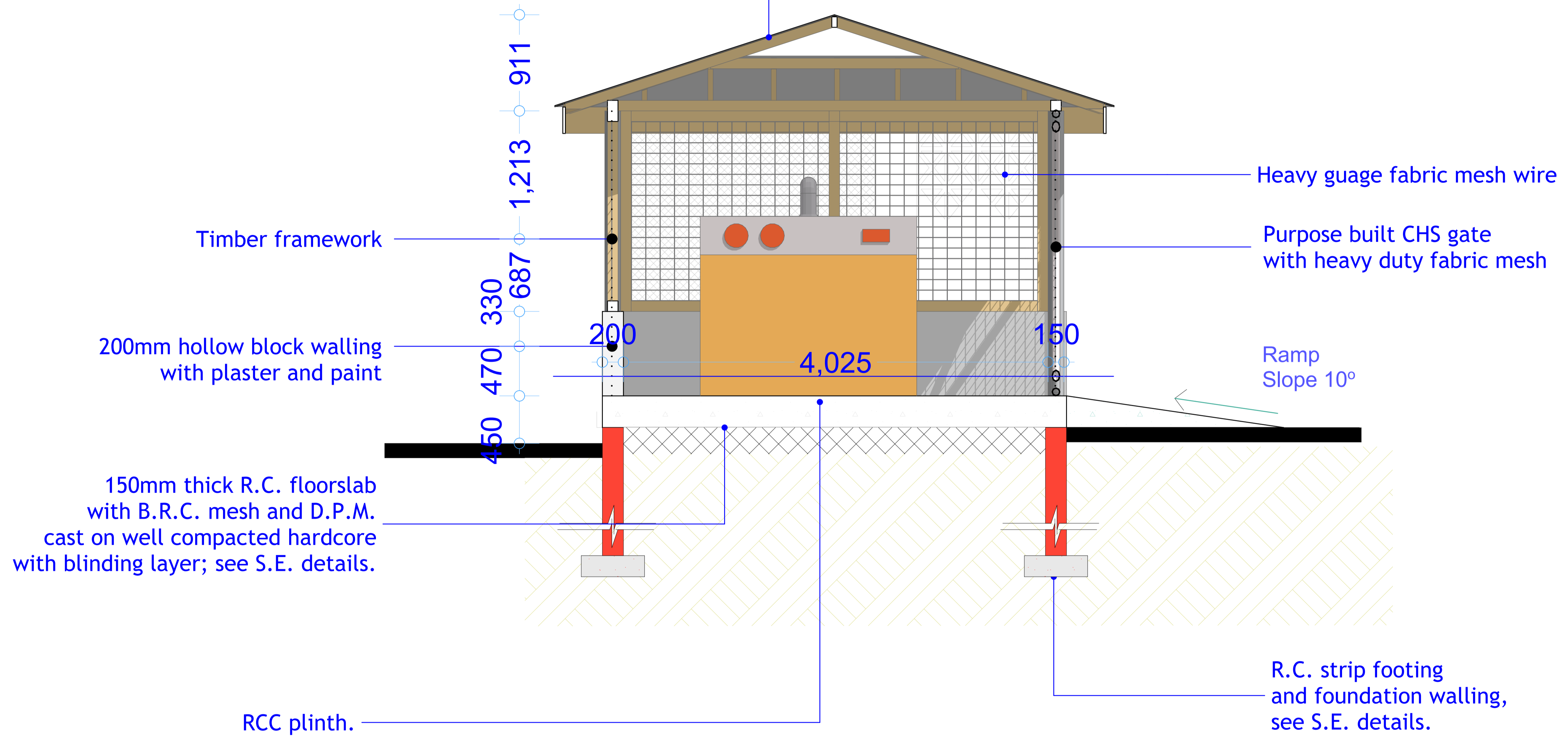
SCALE	
DATE	APRIL, 2017
DESIGNED BY:	J. NANDWA
DRAWN BY:	J. NANDWA
REVIEWED BY:	
APPROVED BY:	

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.

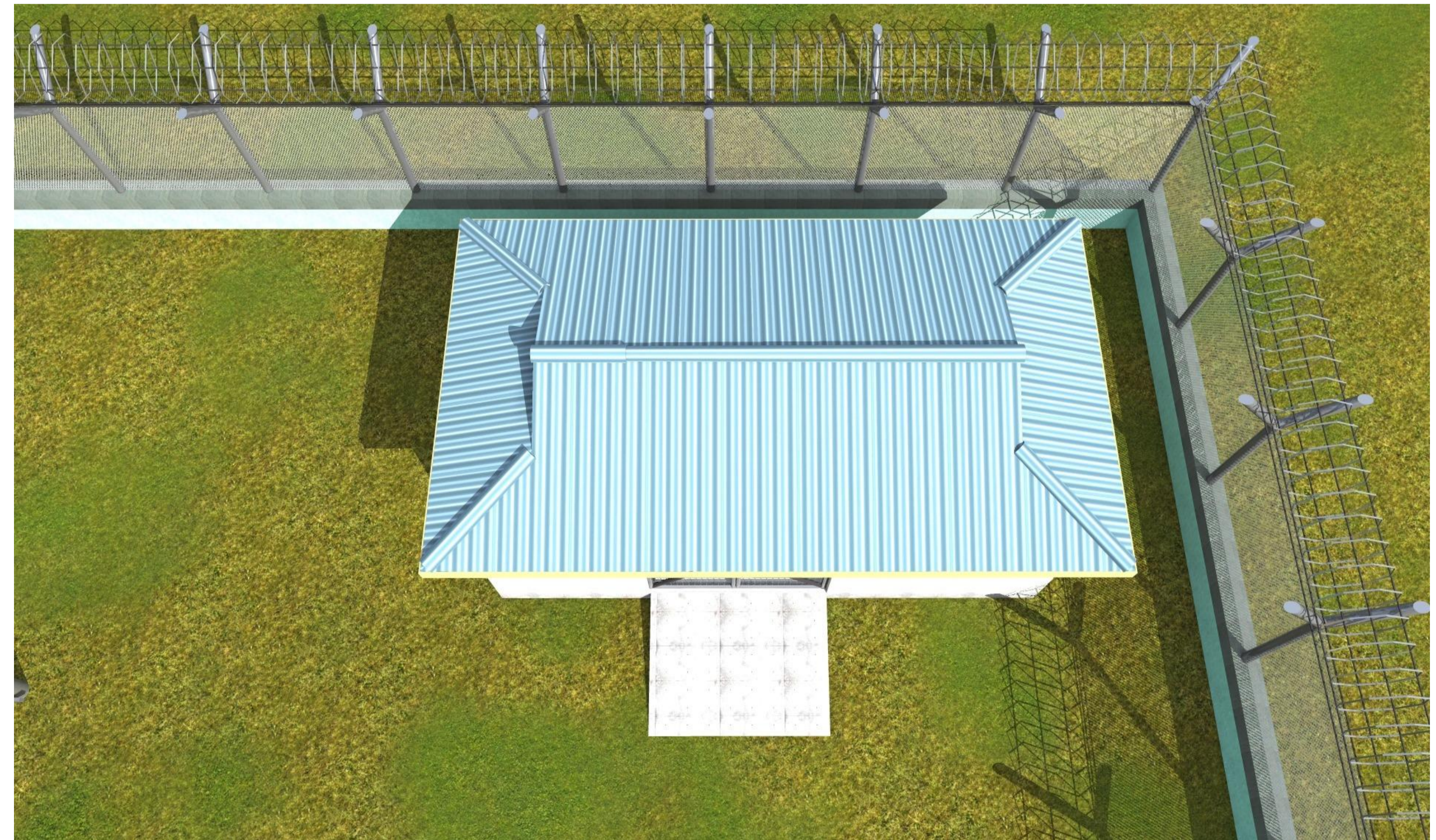


PROJECT. PROPOSED AFMADHOW BOREHOLE
 REHABILITATION
 -AFMADHOW DISTRICT-

SHEET TITLE:
 SECTIONS

SCALE		DRAWING TITLE:	GENERATOR SHED
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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
-AFMADHOW DISTRICT-

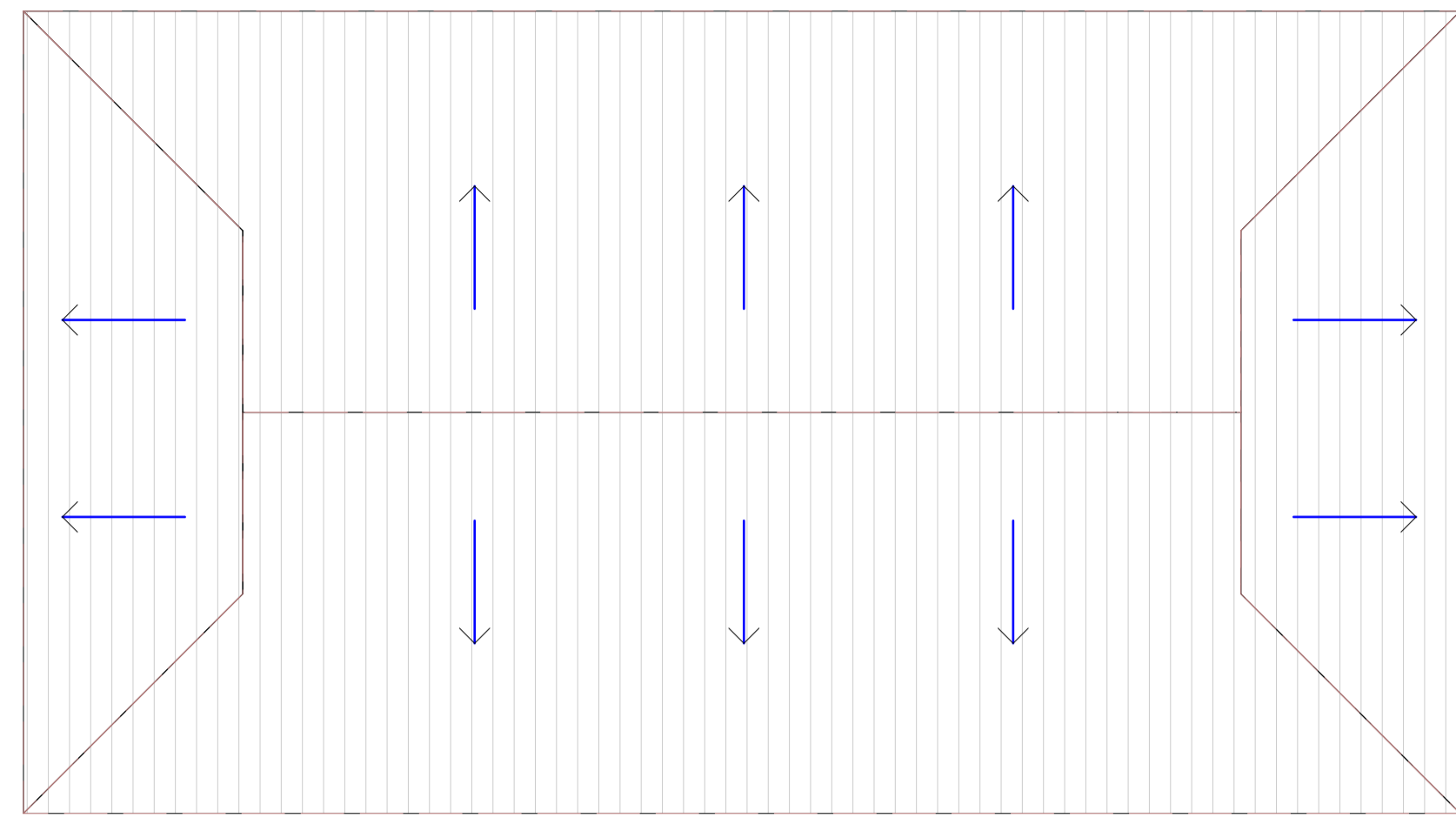
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3D PRESENTATION

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

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

GENERATOR SHED

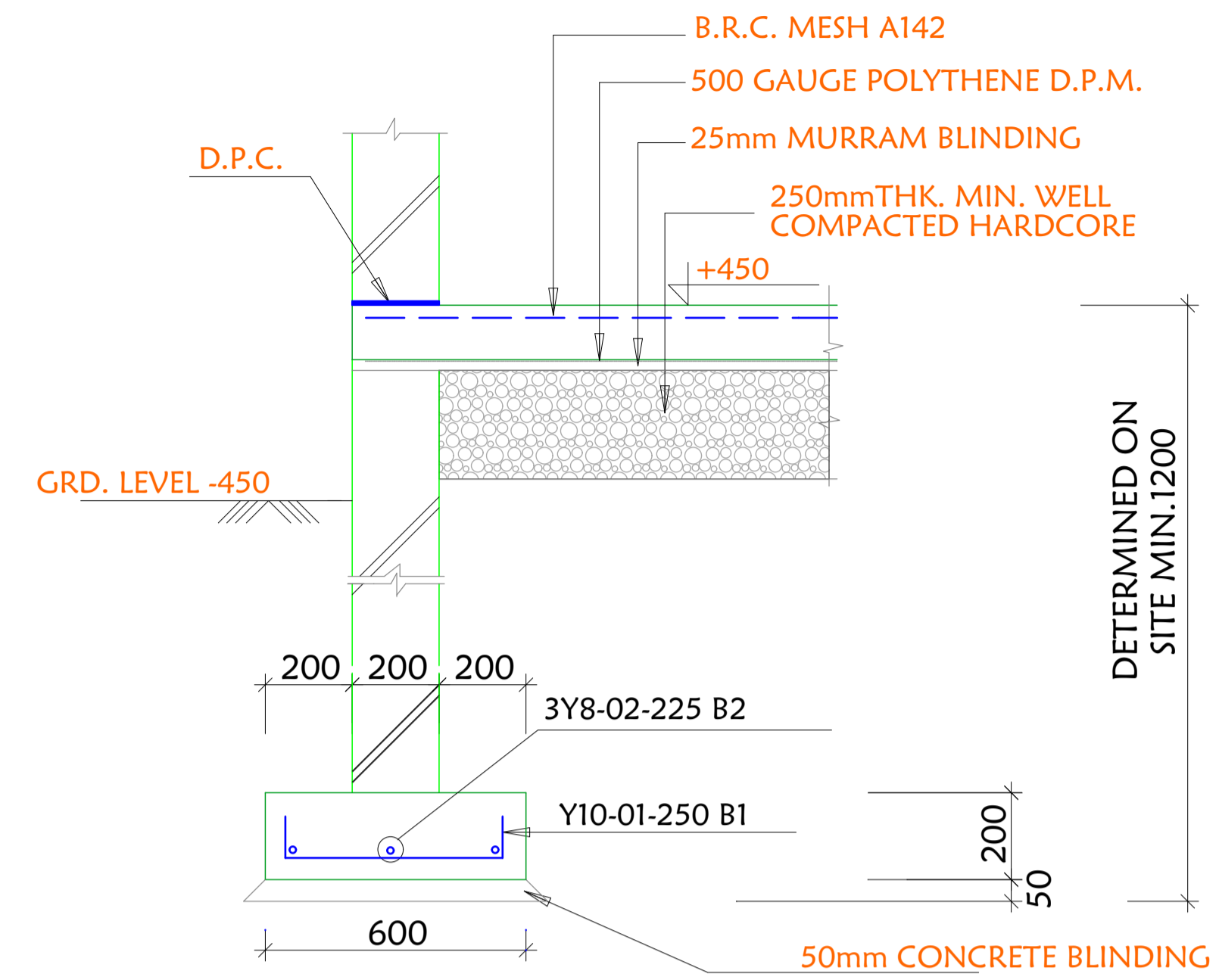
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15/32



ROOF PLAN

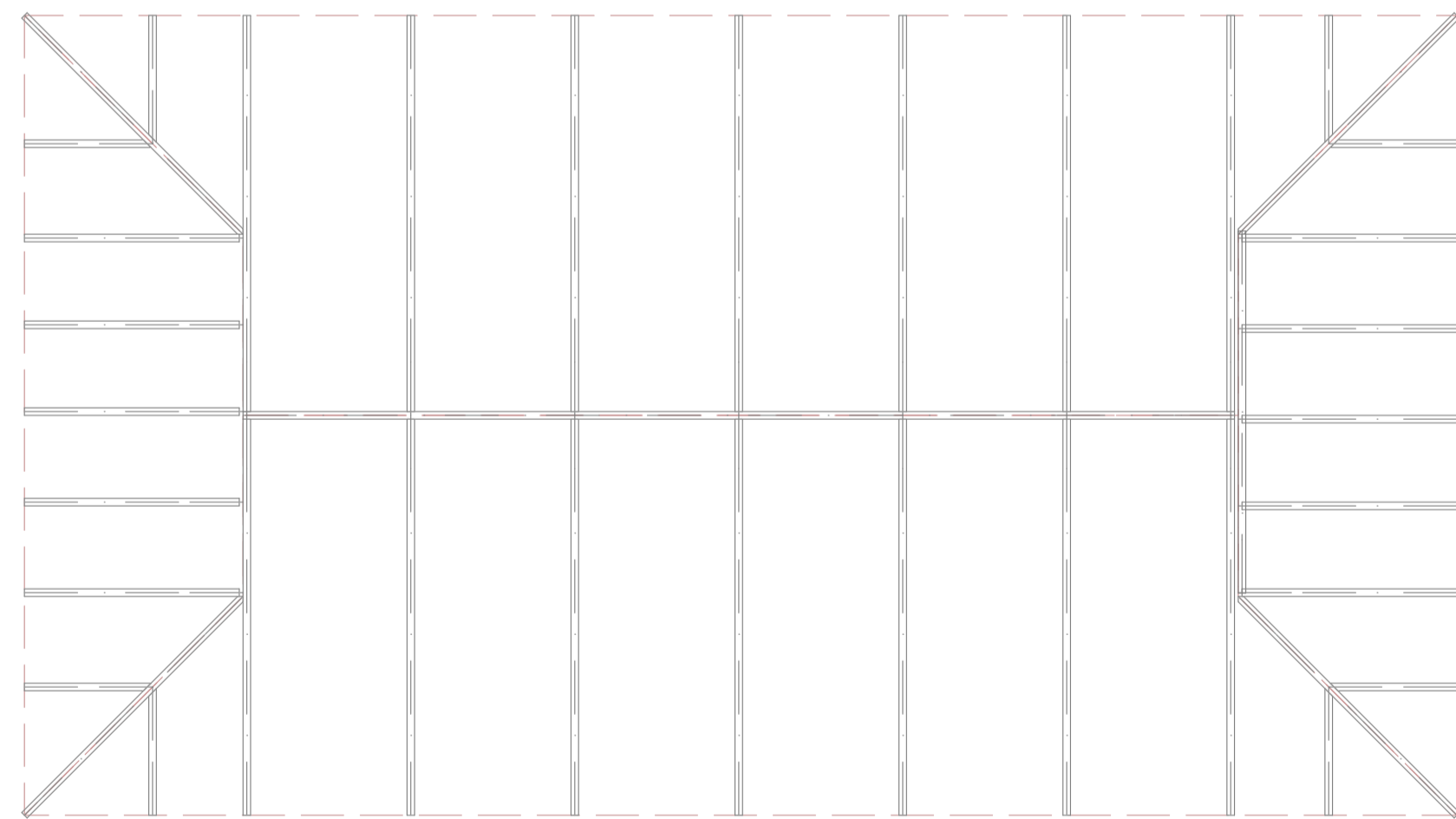
Legend

→ Direction of fall

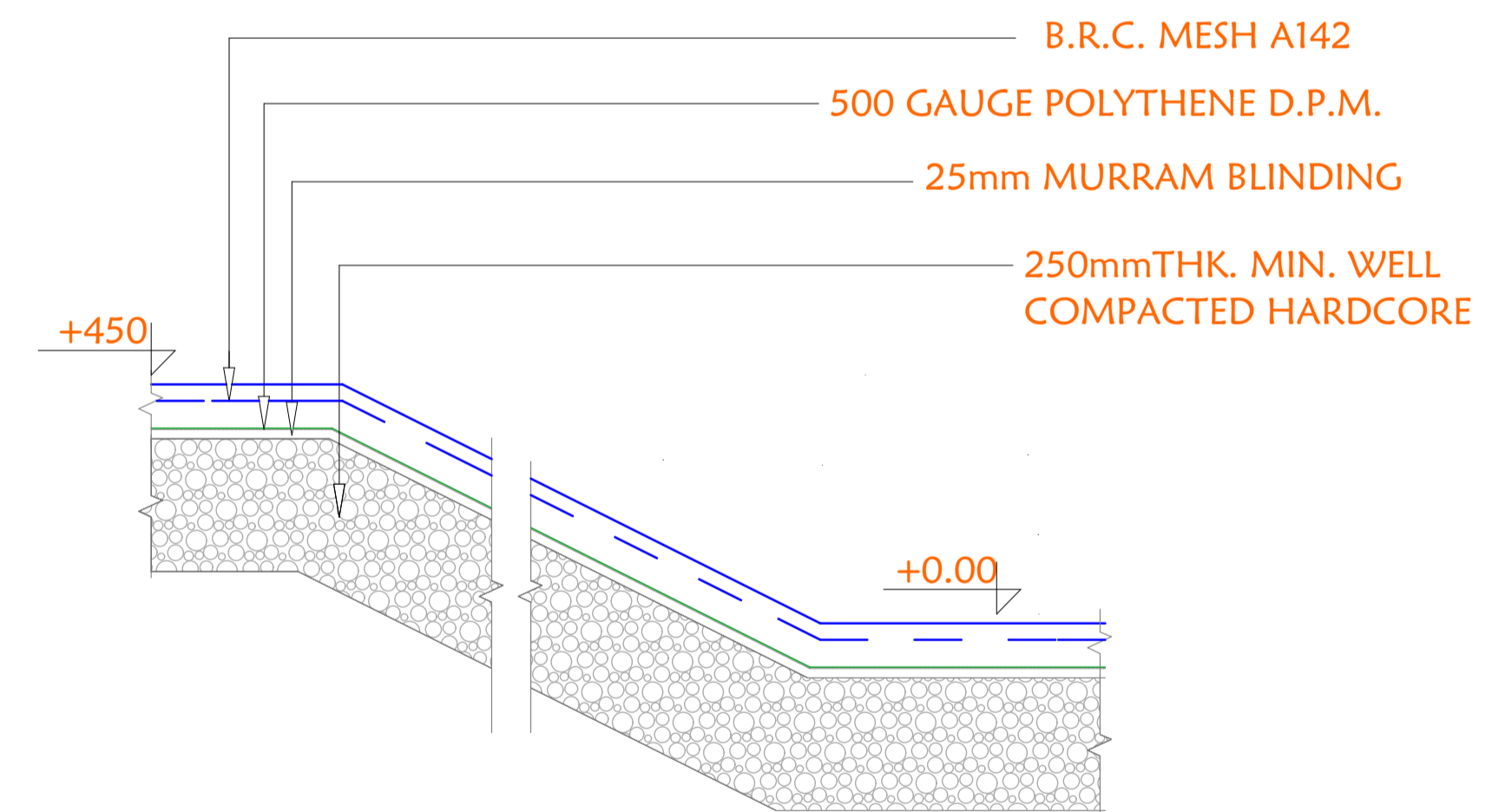


SECTION A-A SCALE 1:25

FOUNDATION FOOTING DETAIL



TRUSS LAYOUT



SECTION D-D SCALE 1:25

RAMP DETAILS

PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-AFMADHOW DISTRICT-

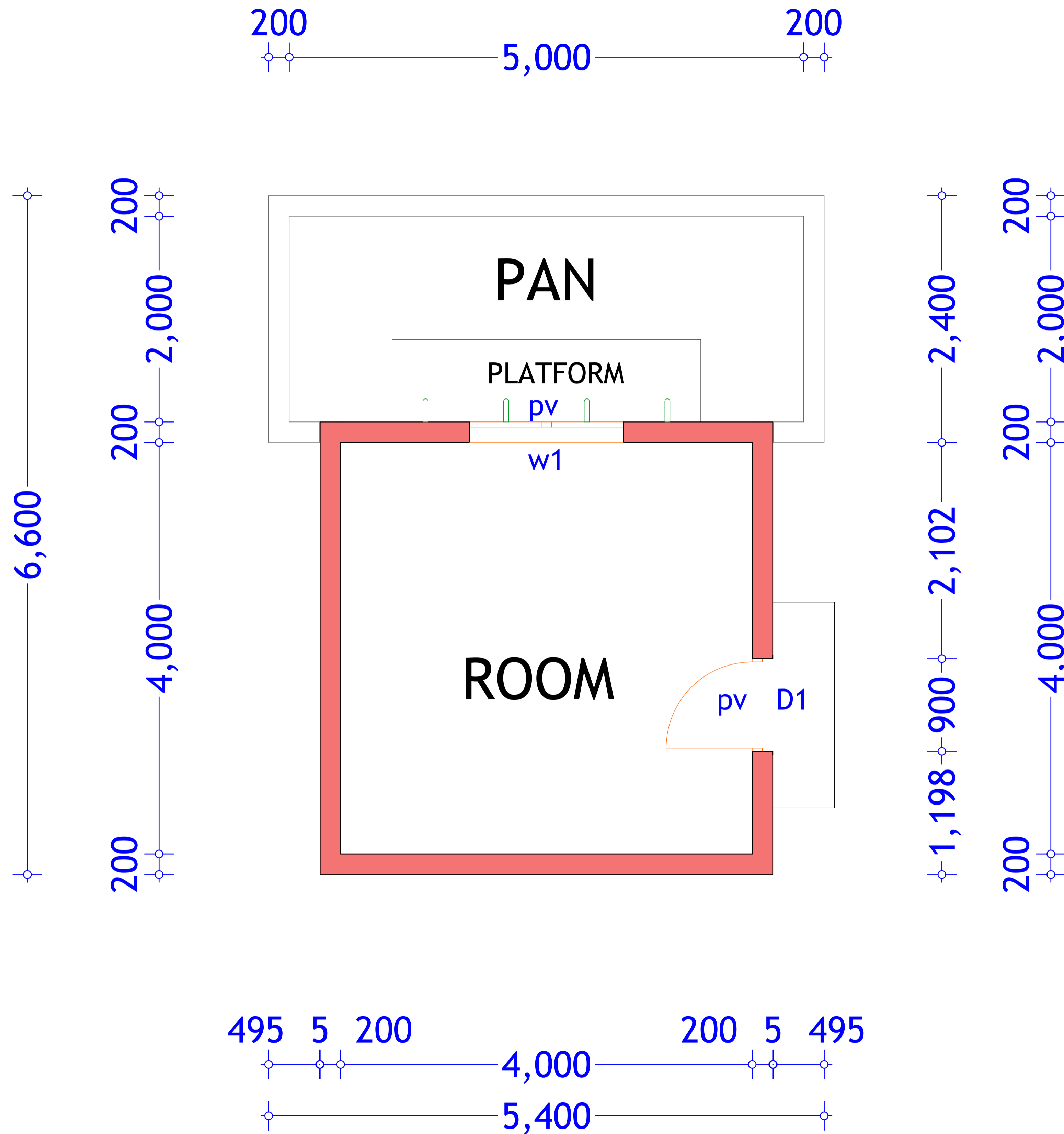
SHEET TITLE:
STRUCT. DETAIL (Foundation)

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



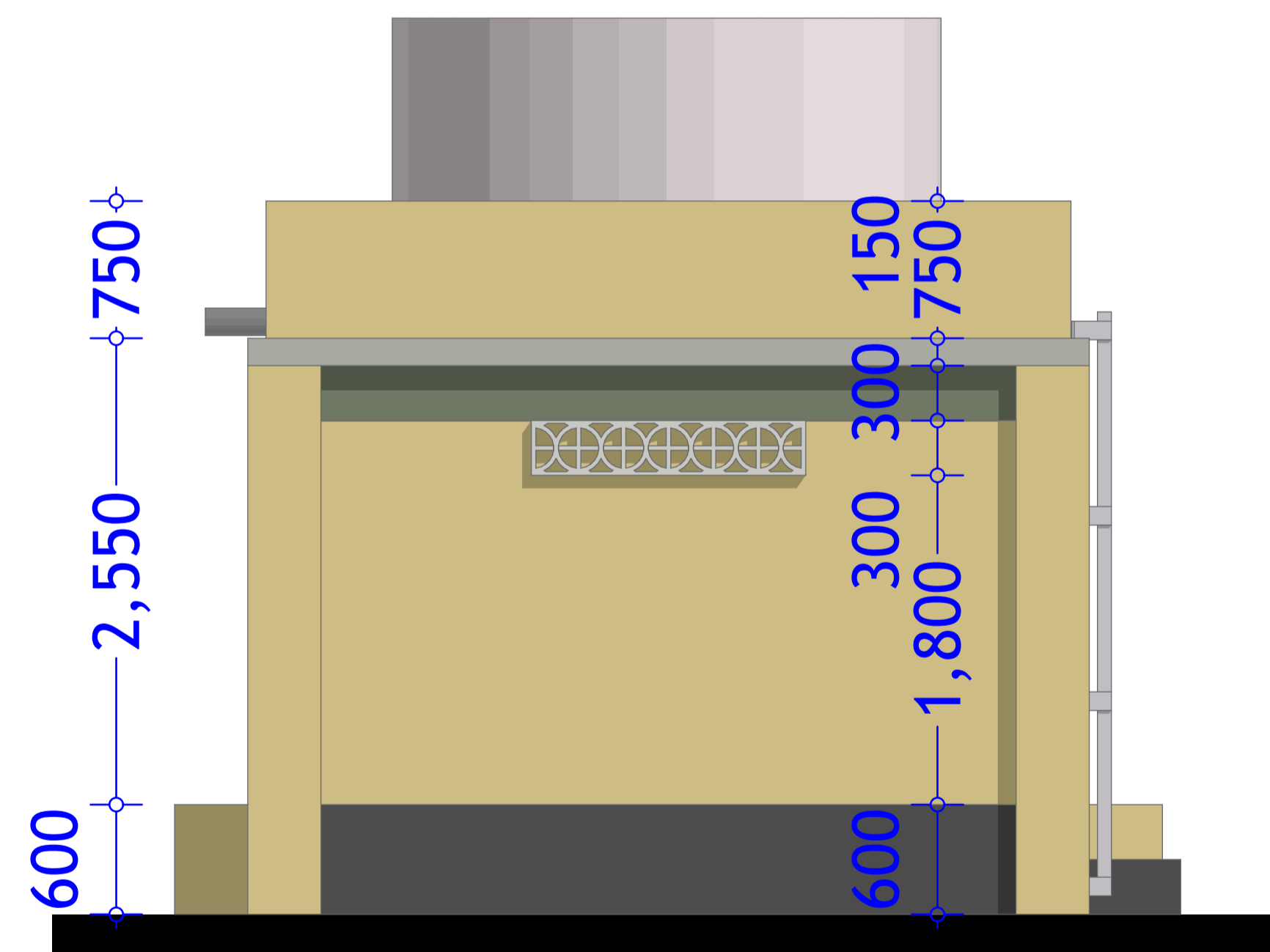
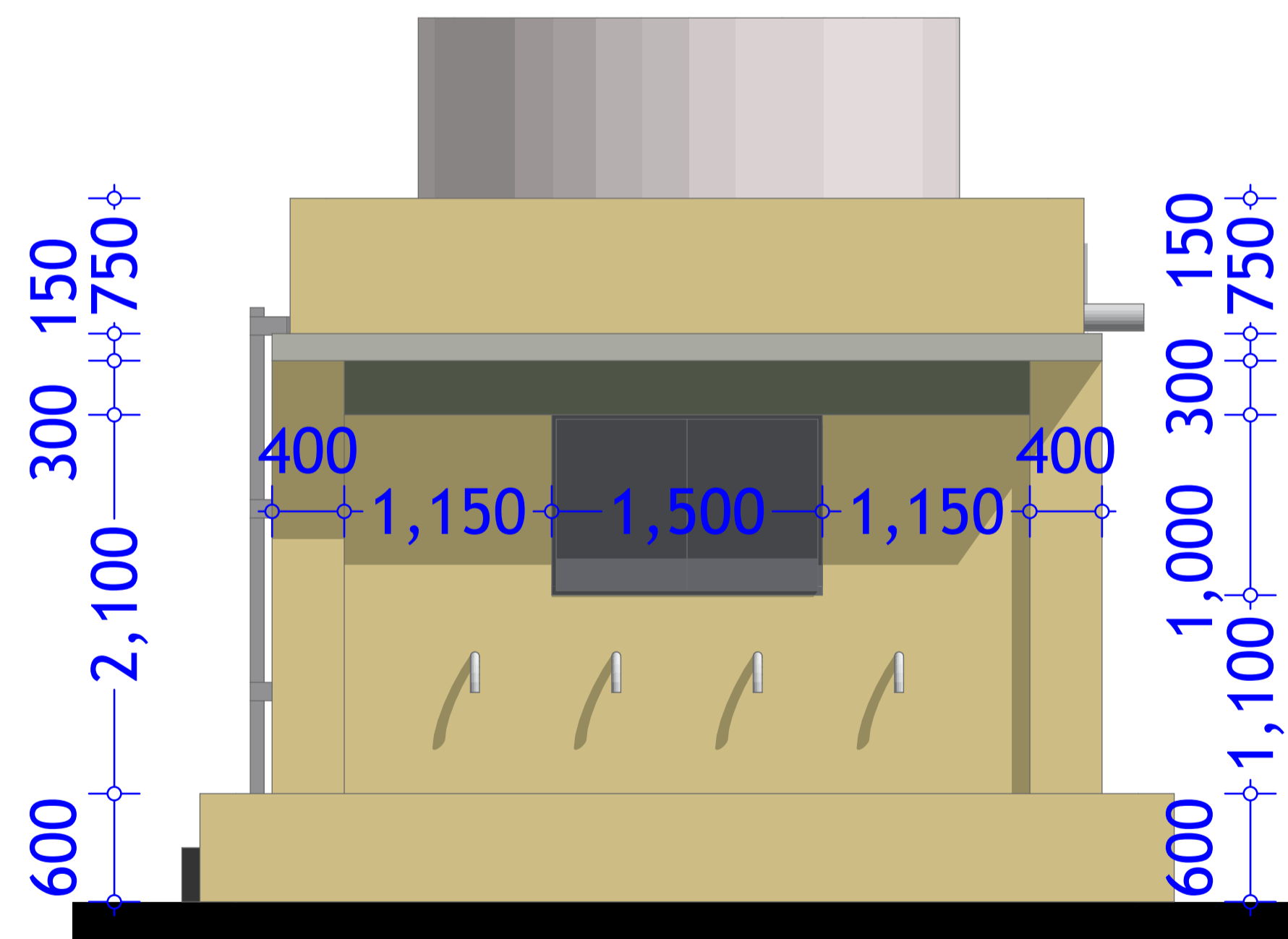
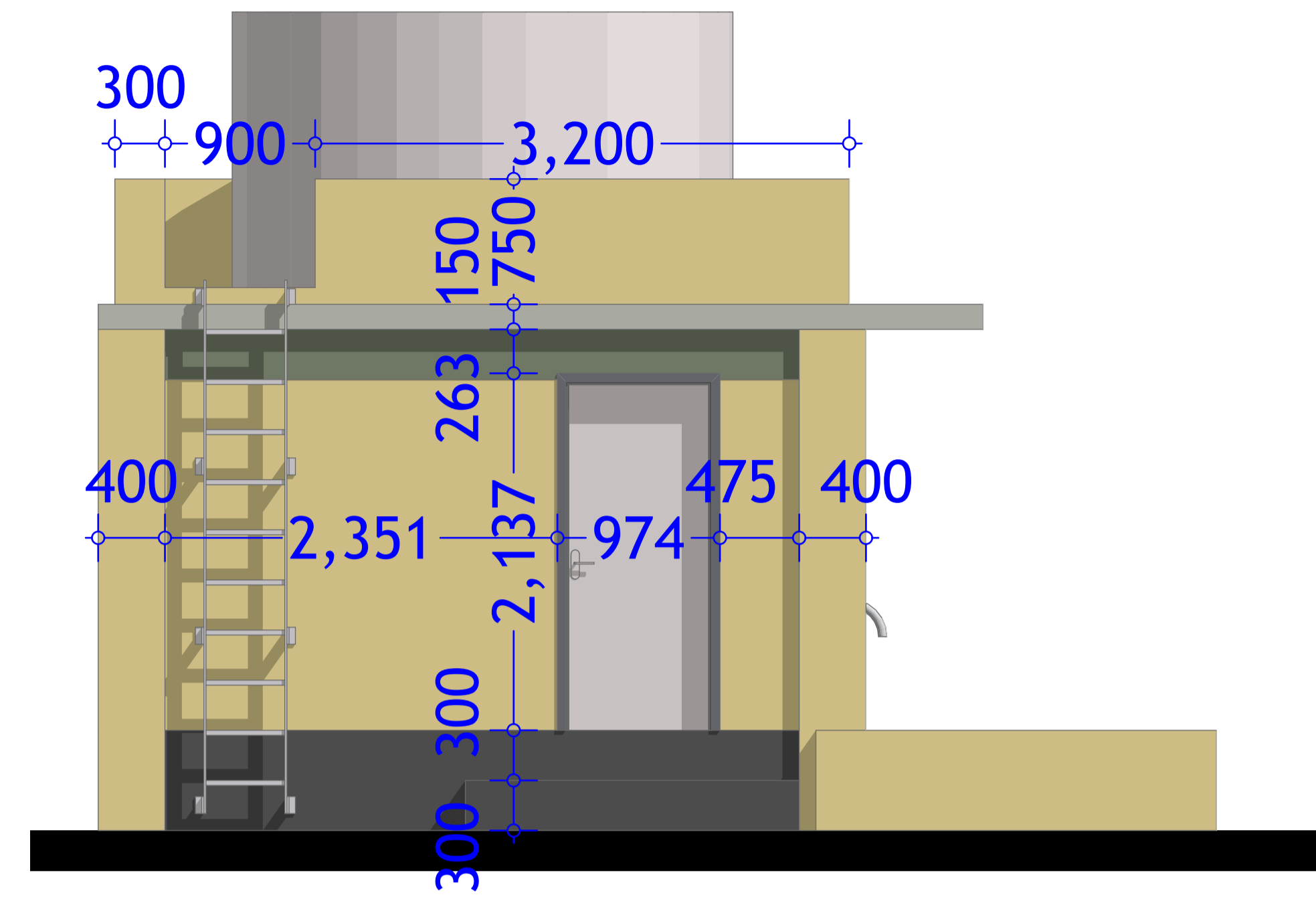
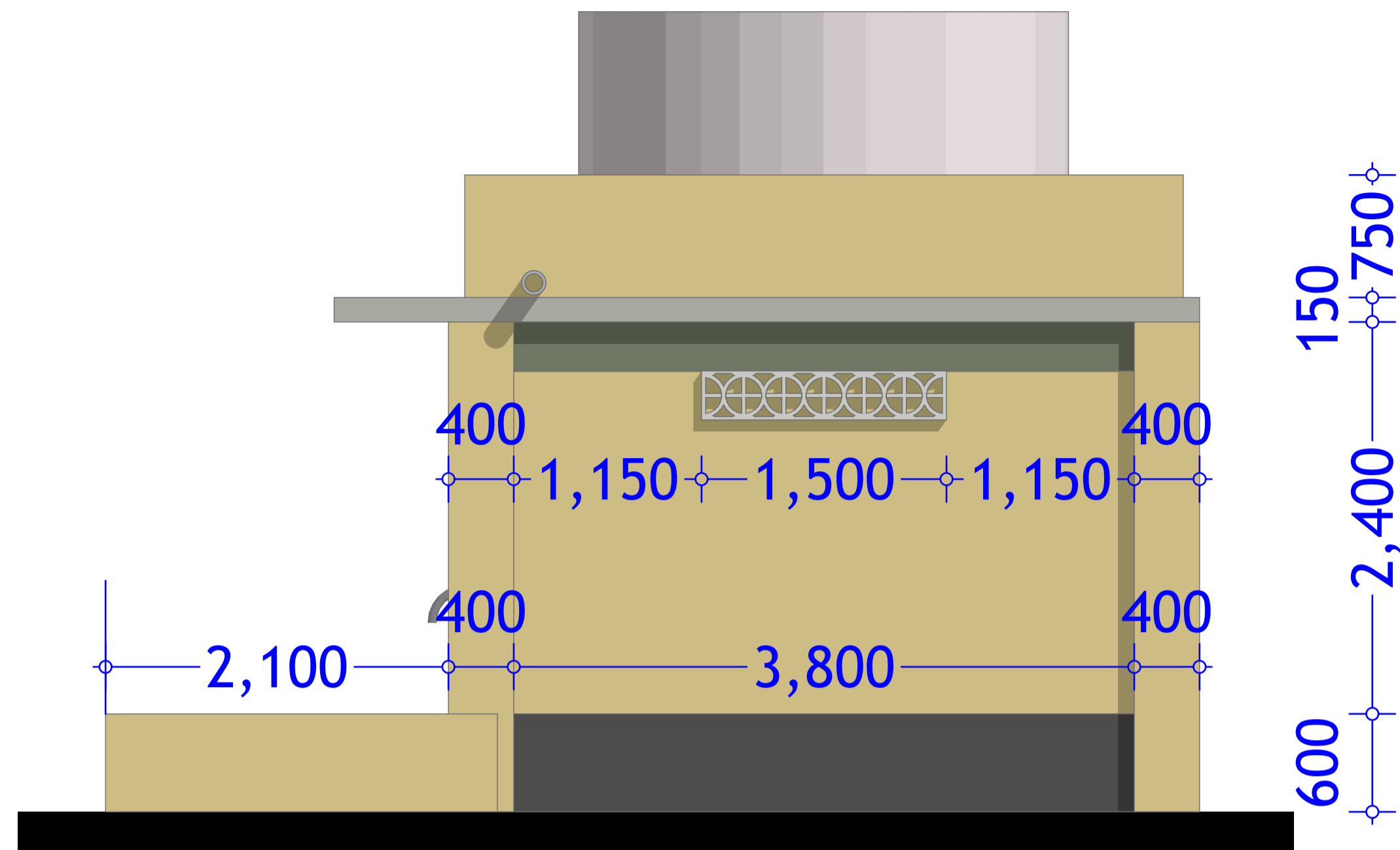
PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-AFMADHOW DISTRICT-

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



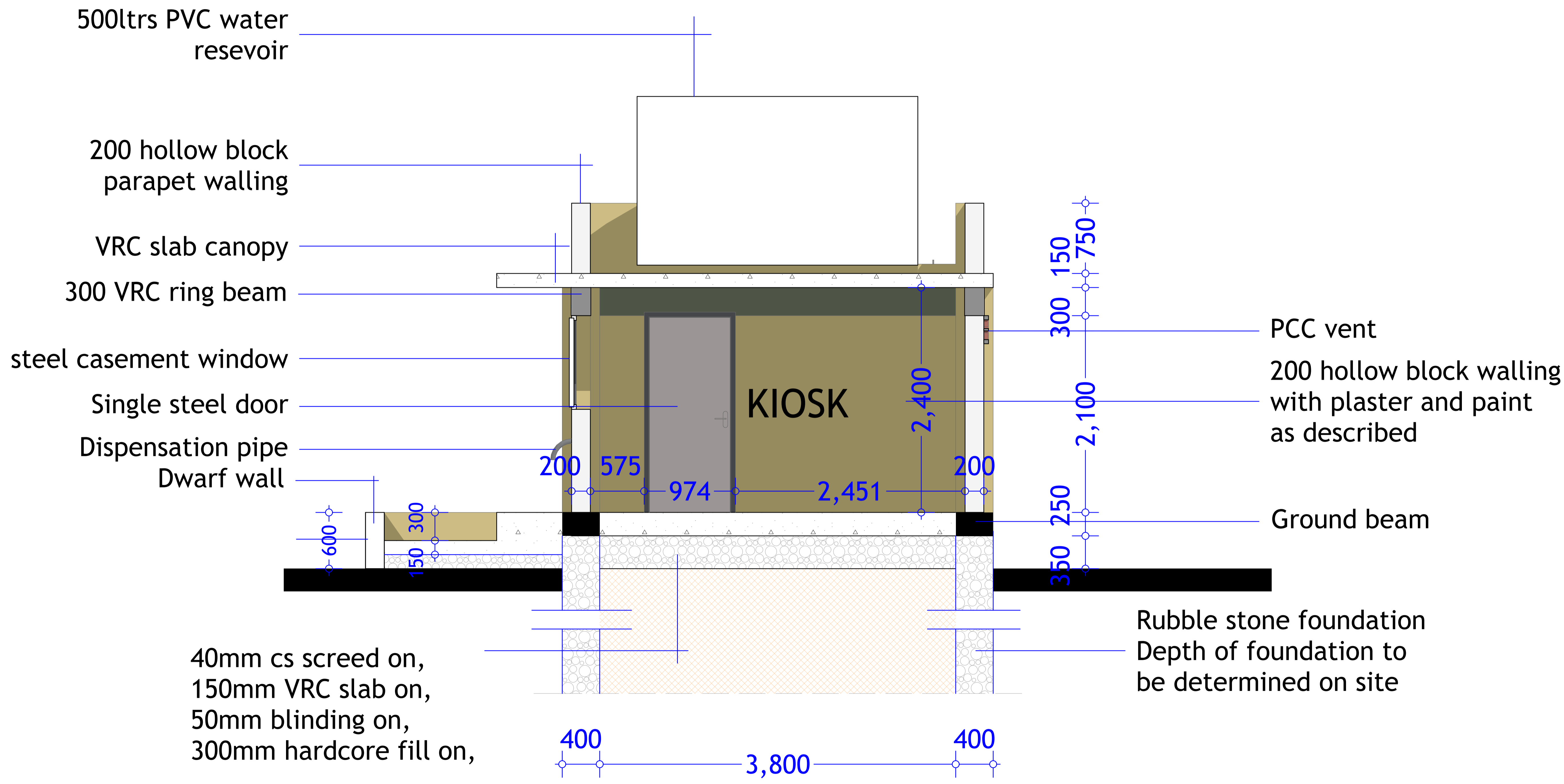
PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-AFMADHOW DISTRICT-

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

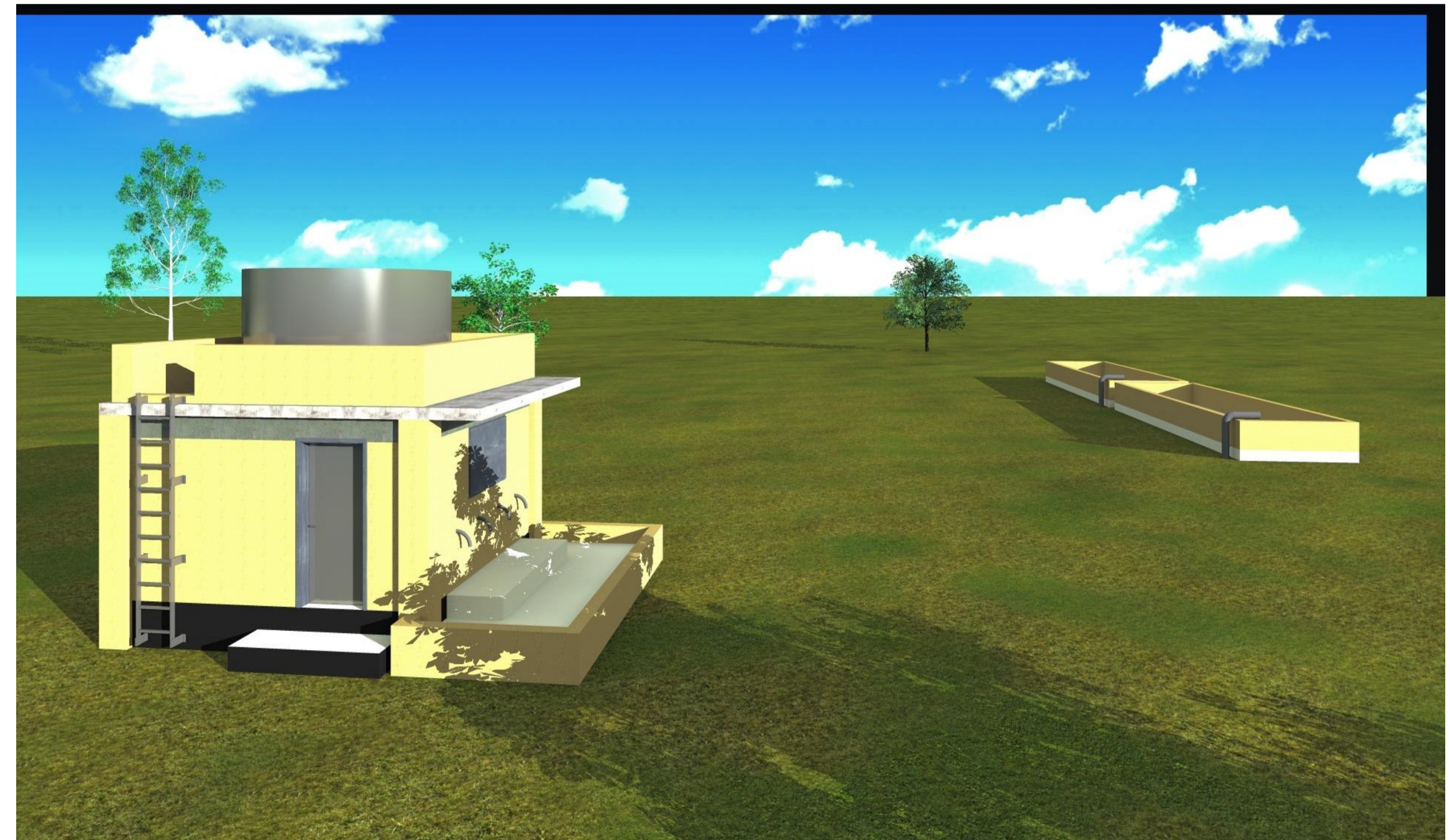
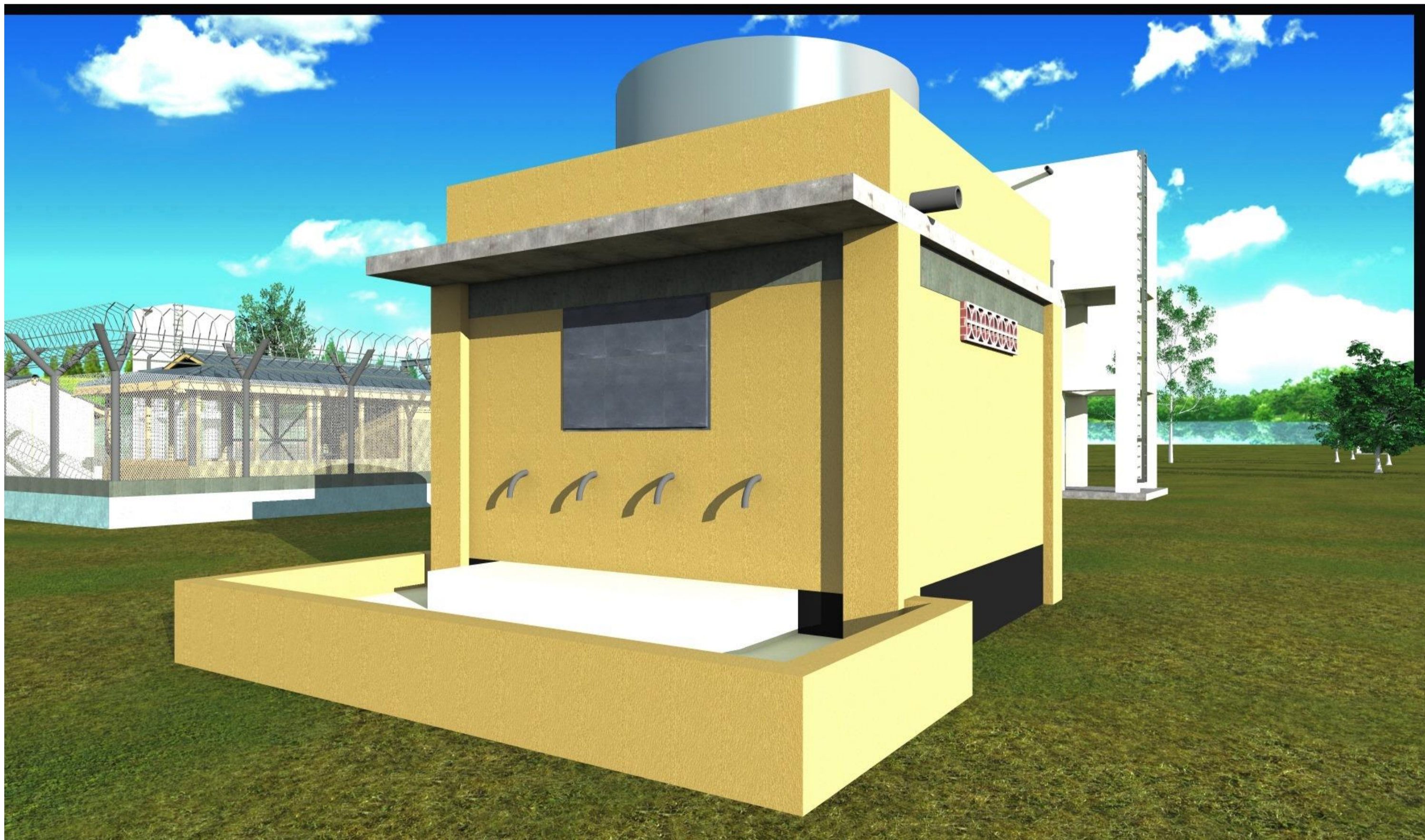
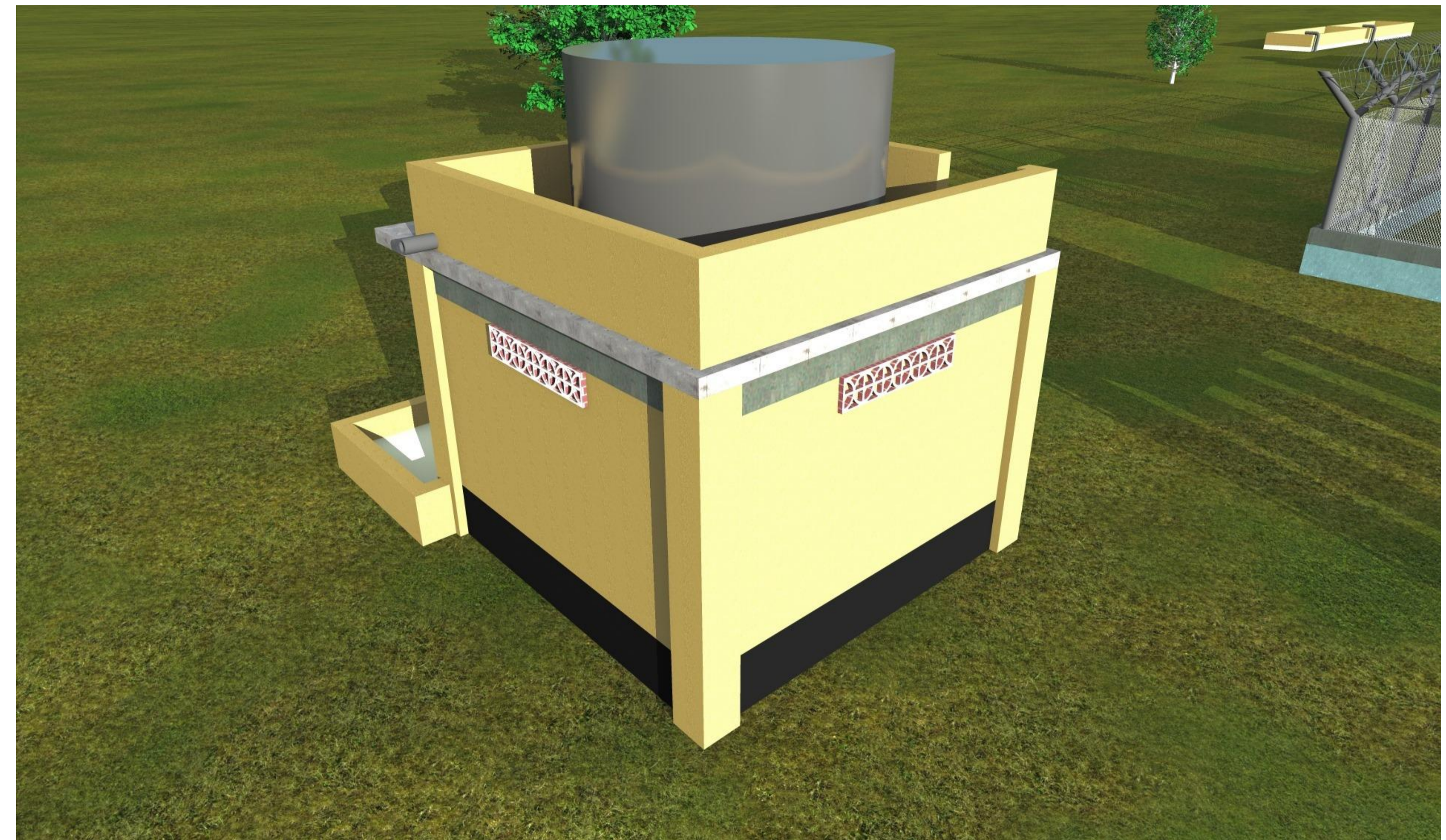
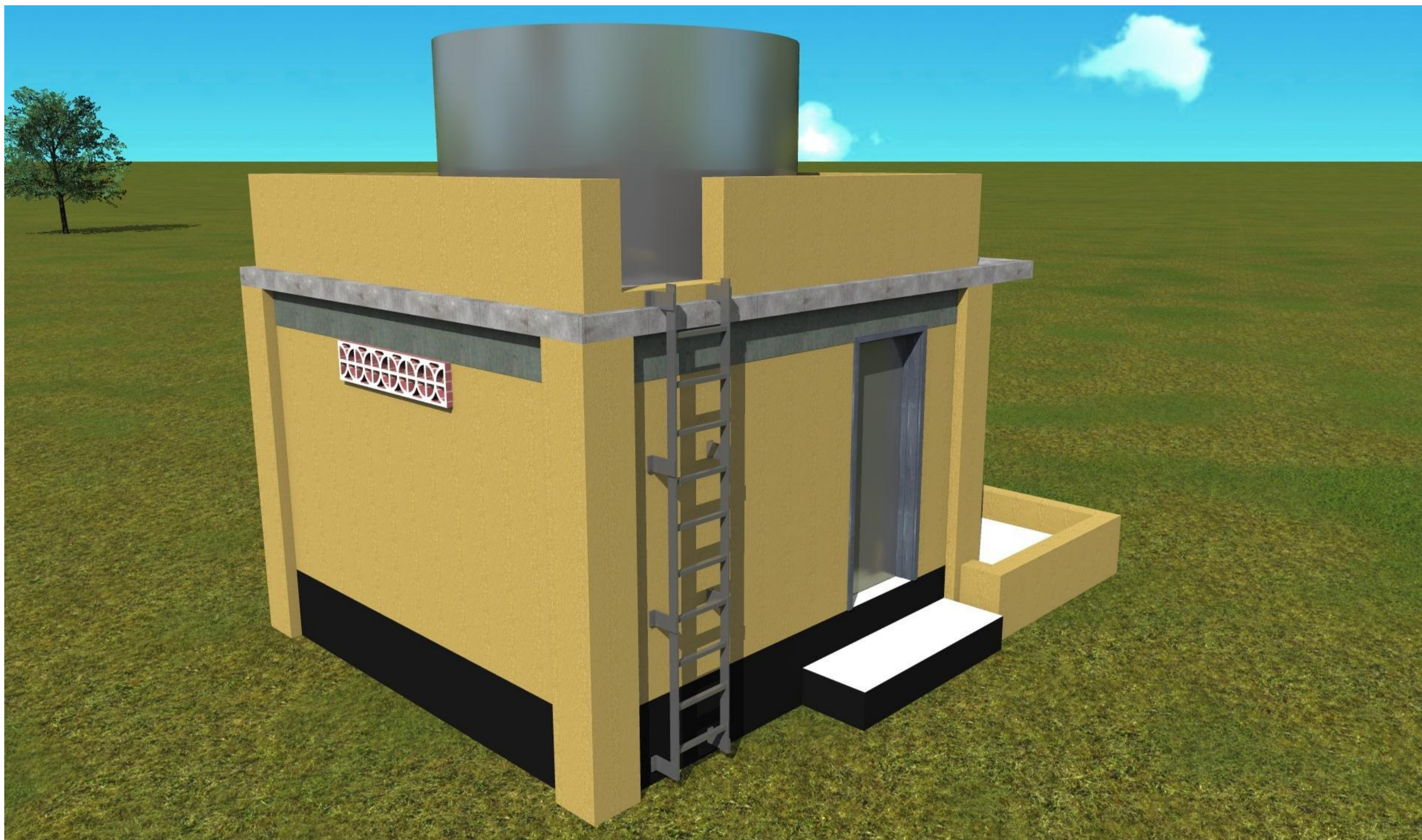


PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-AFMADHOW DISTRICT-

SHEET TITLE:
SECTION

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

SHEET N^o:
19/32



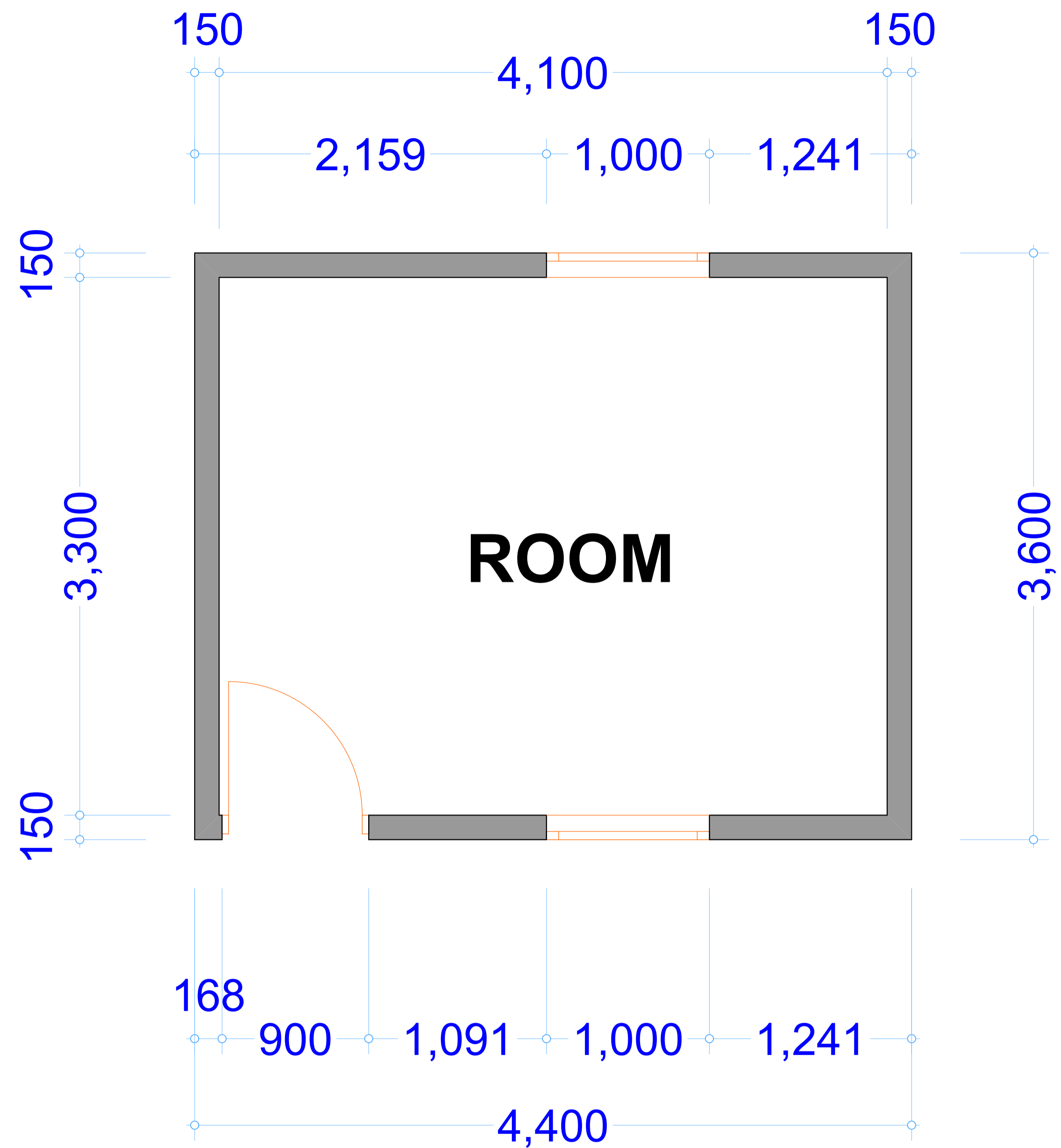
PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-AFMADHOW DISTRICT-

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



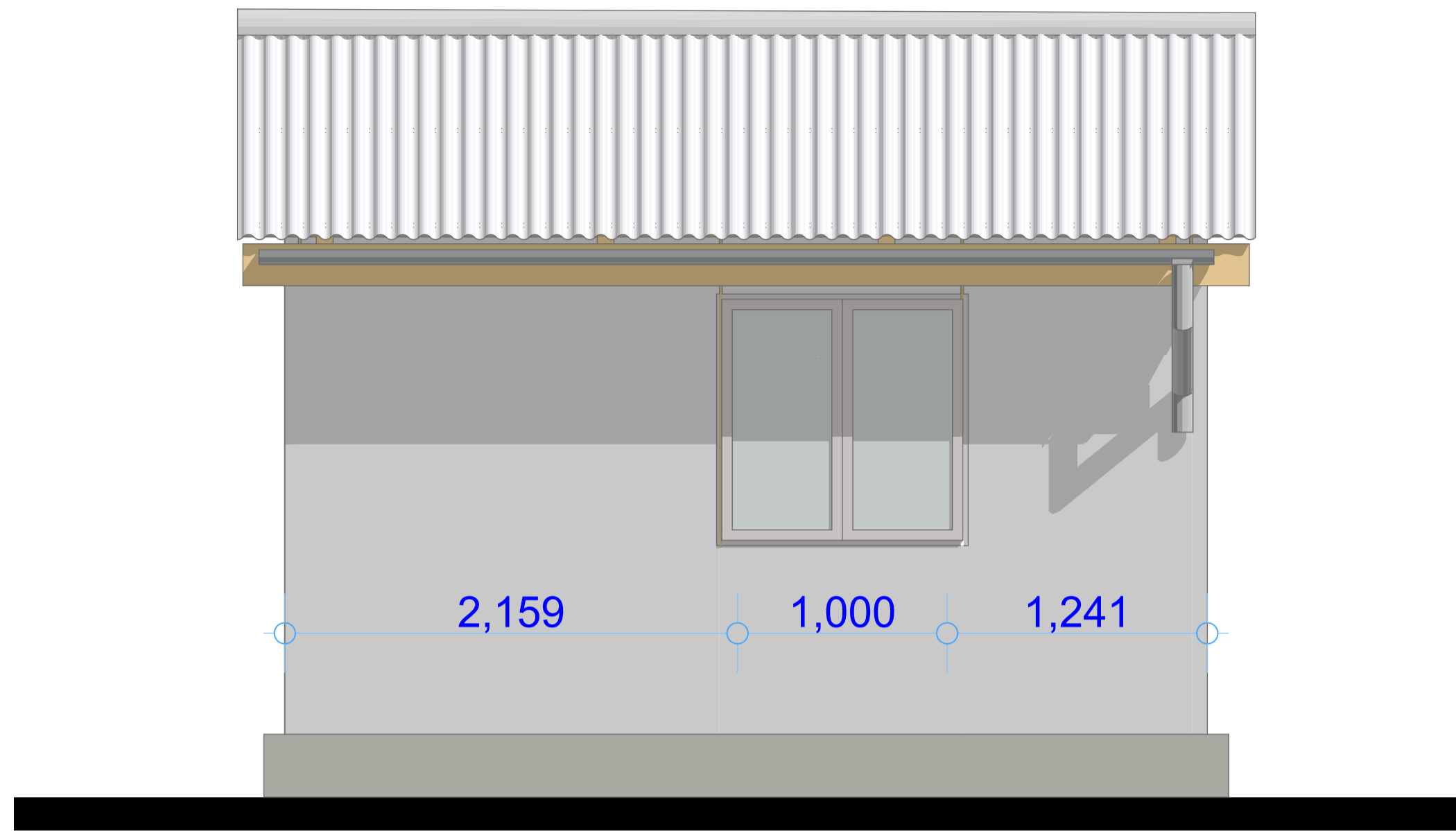
FLOOR LAYOUT

PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-AFMADHOW DISTRICT-

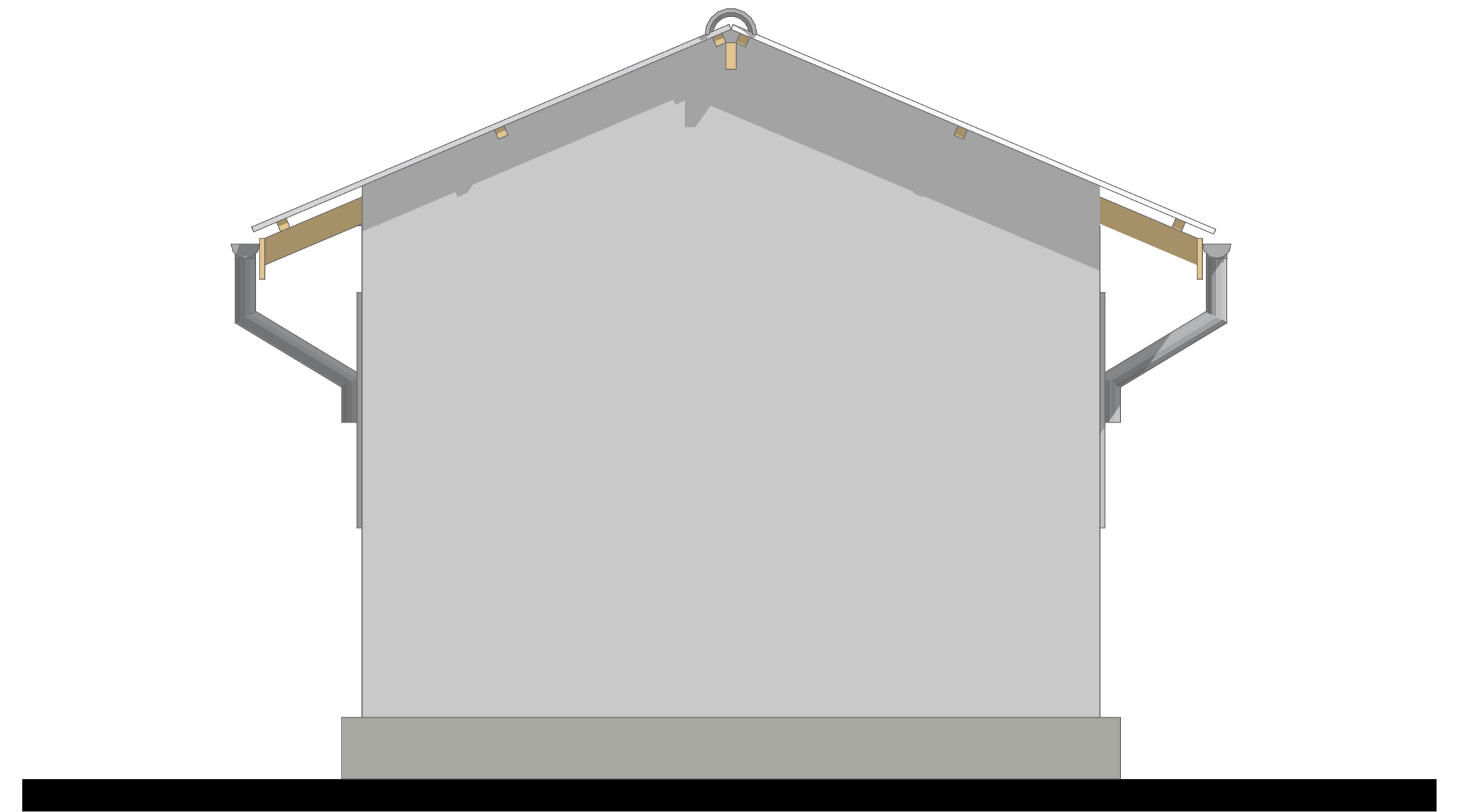
SHEET TITLE:
FLOOR LAYOUT

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:			

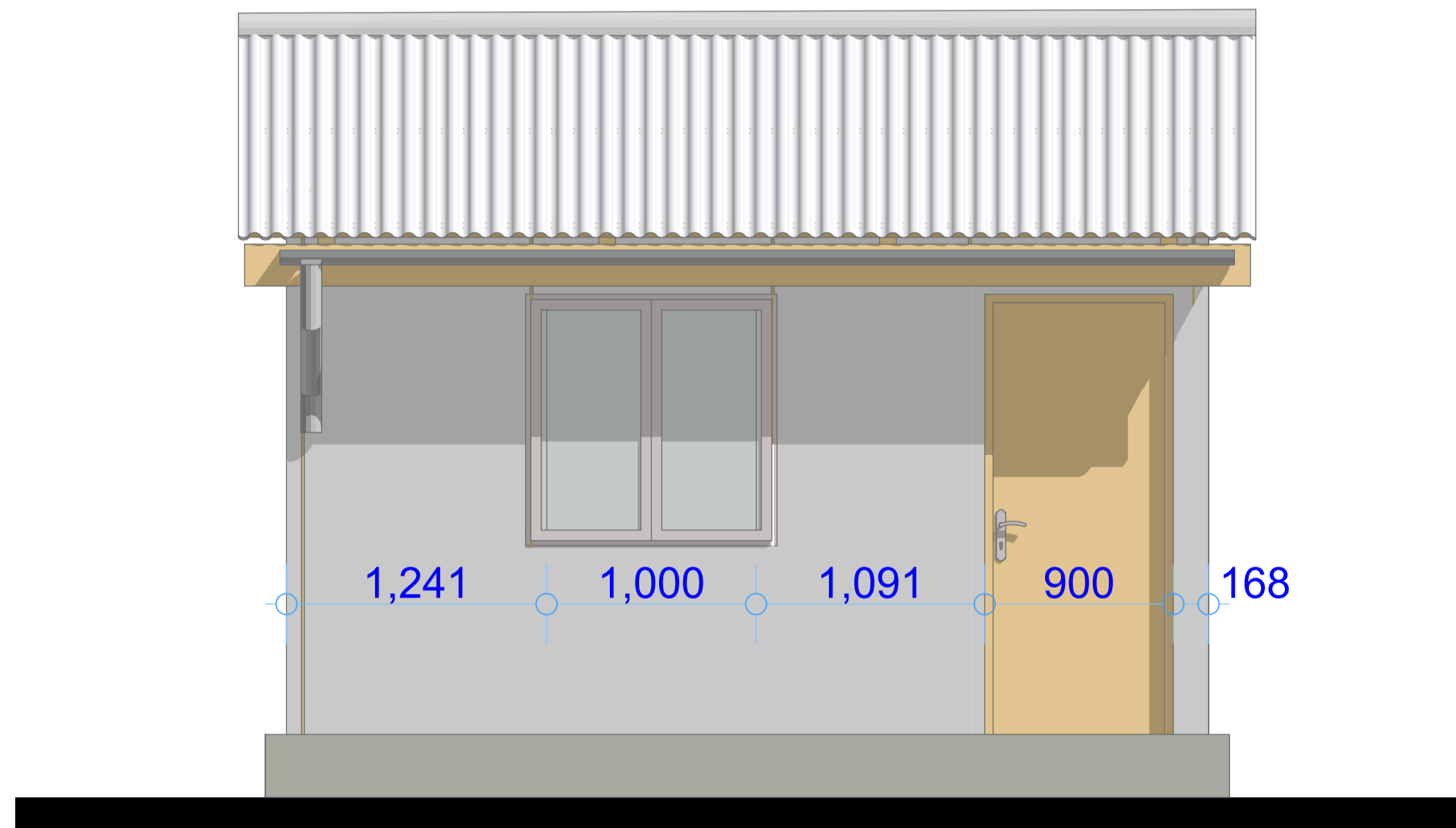
SHEET N^o:
21 / 32



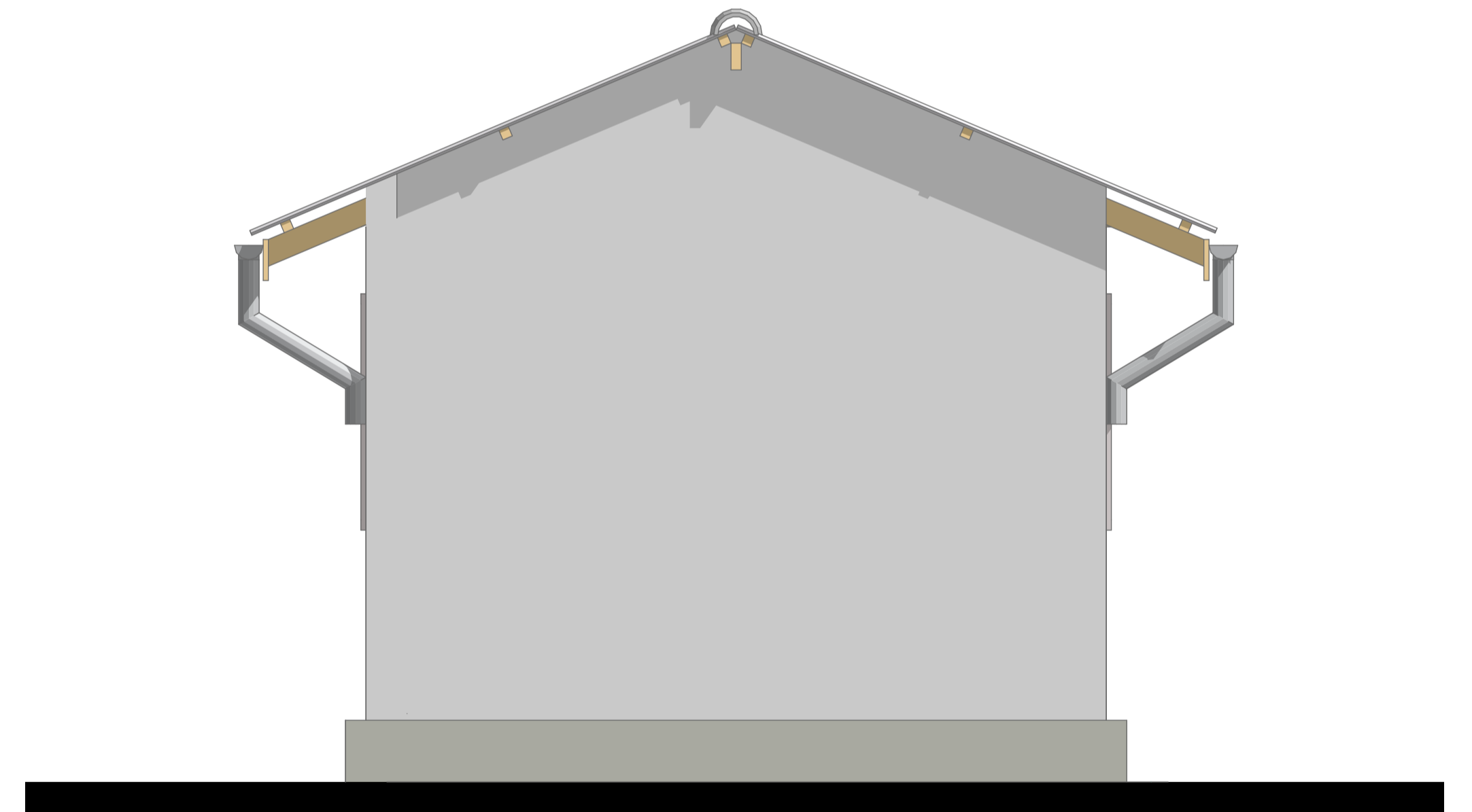
SOUTH ELEVATION



EAST ELEVATION



NORTH ELEVATION



WEST ELEVATION

PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-AFMADHOW DISTRICT-

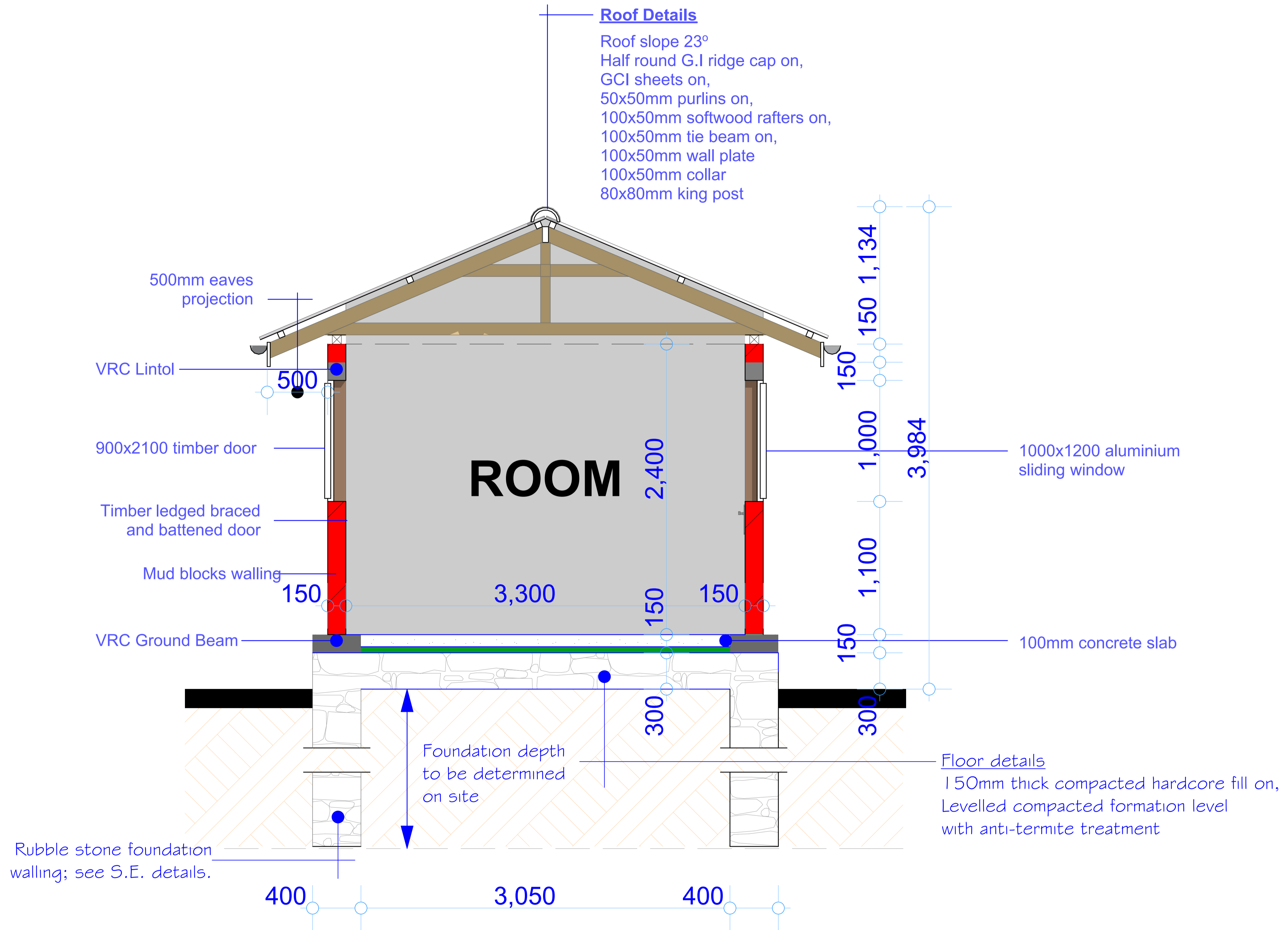
SHEET TITLE:
ELEVATIONS

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

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

CARETAKERS ROOM

SHEET N^o:
22 / 32



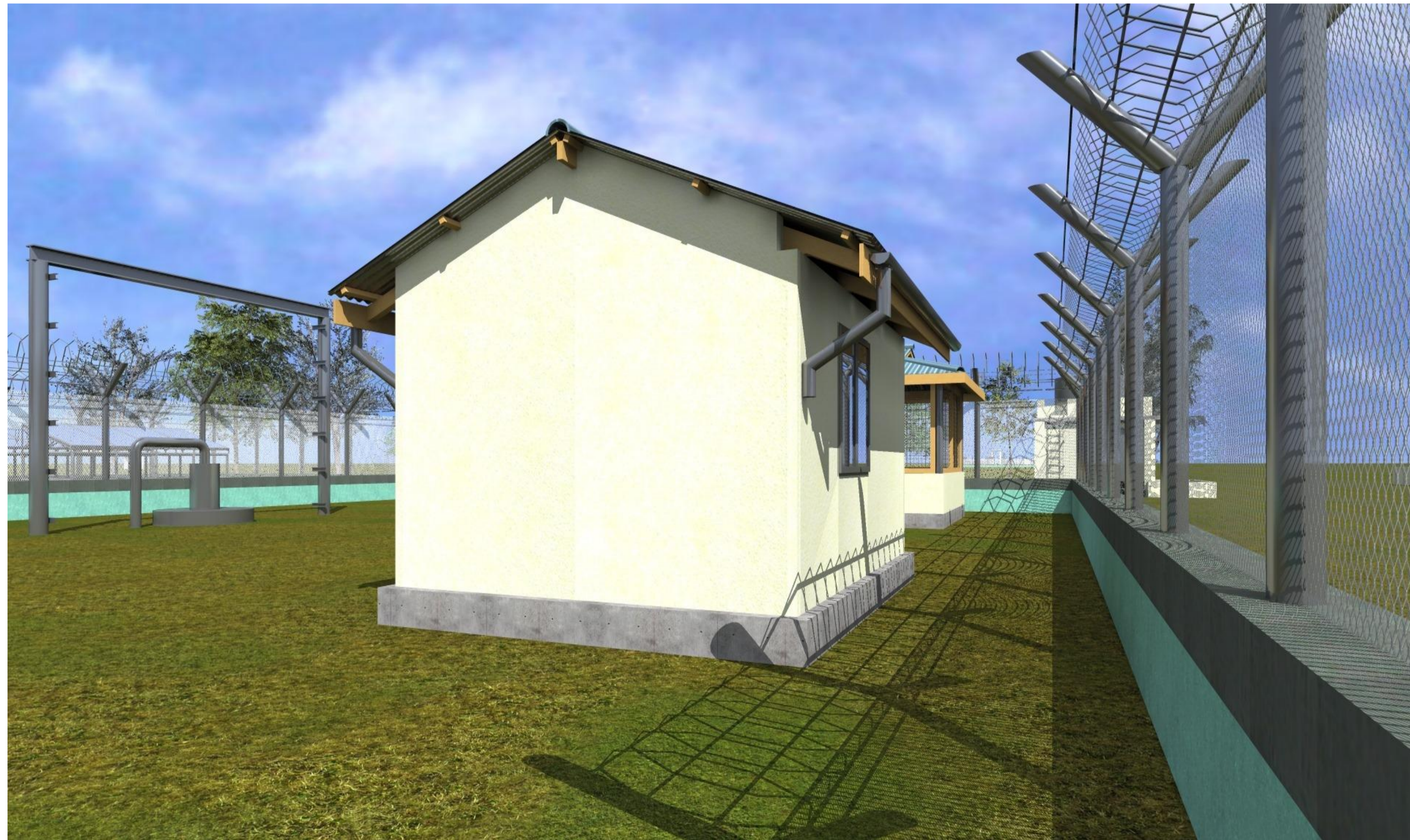
SECTIONAL ELEVATION

PROJECT. PROPOSED AFMADHOW BOREHOLE
 REHABILITATION
 -AFMADHOW 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

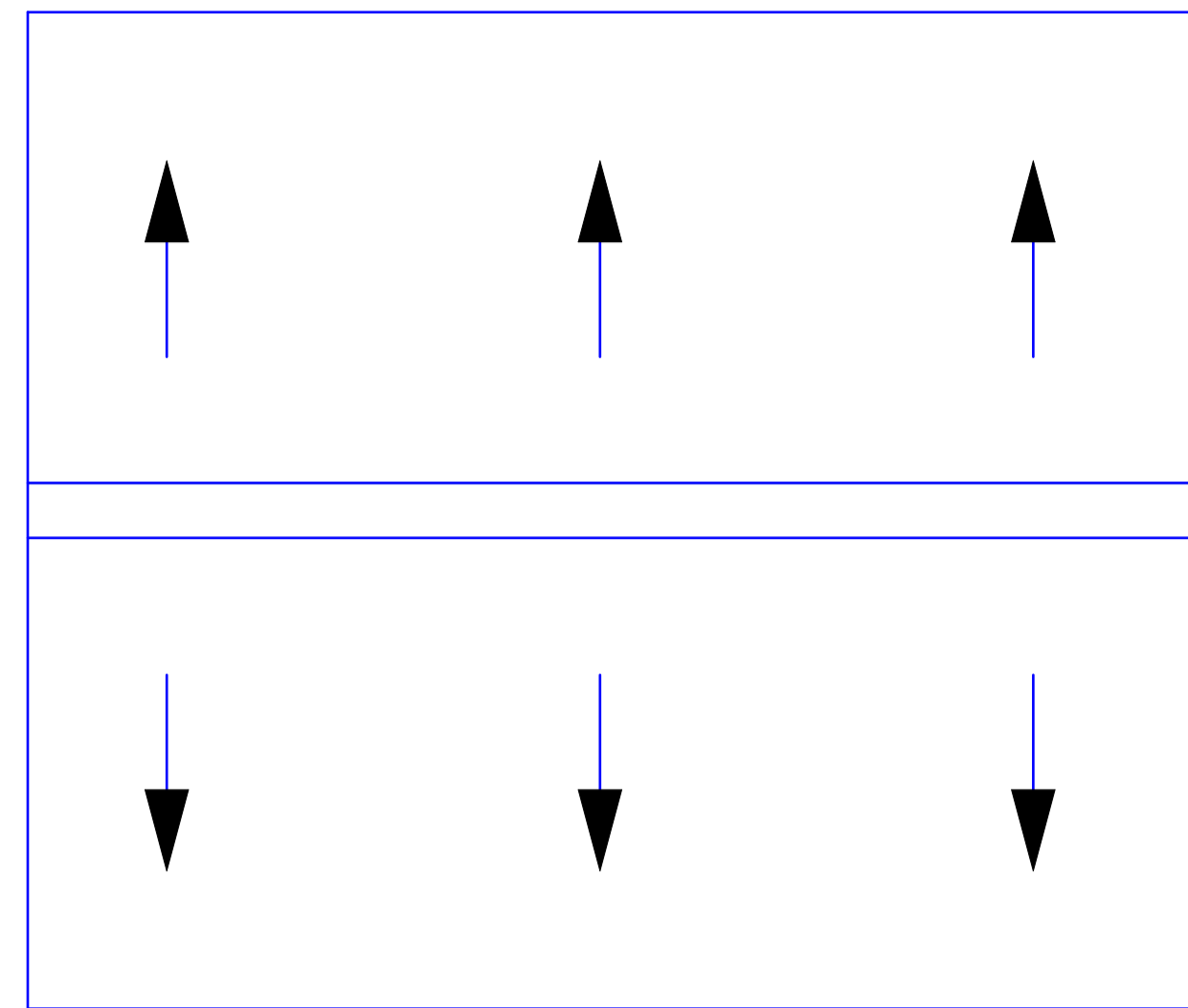


PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-AFMADHOW DISTRICT-

SHEET TITLE:
3D Models

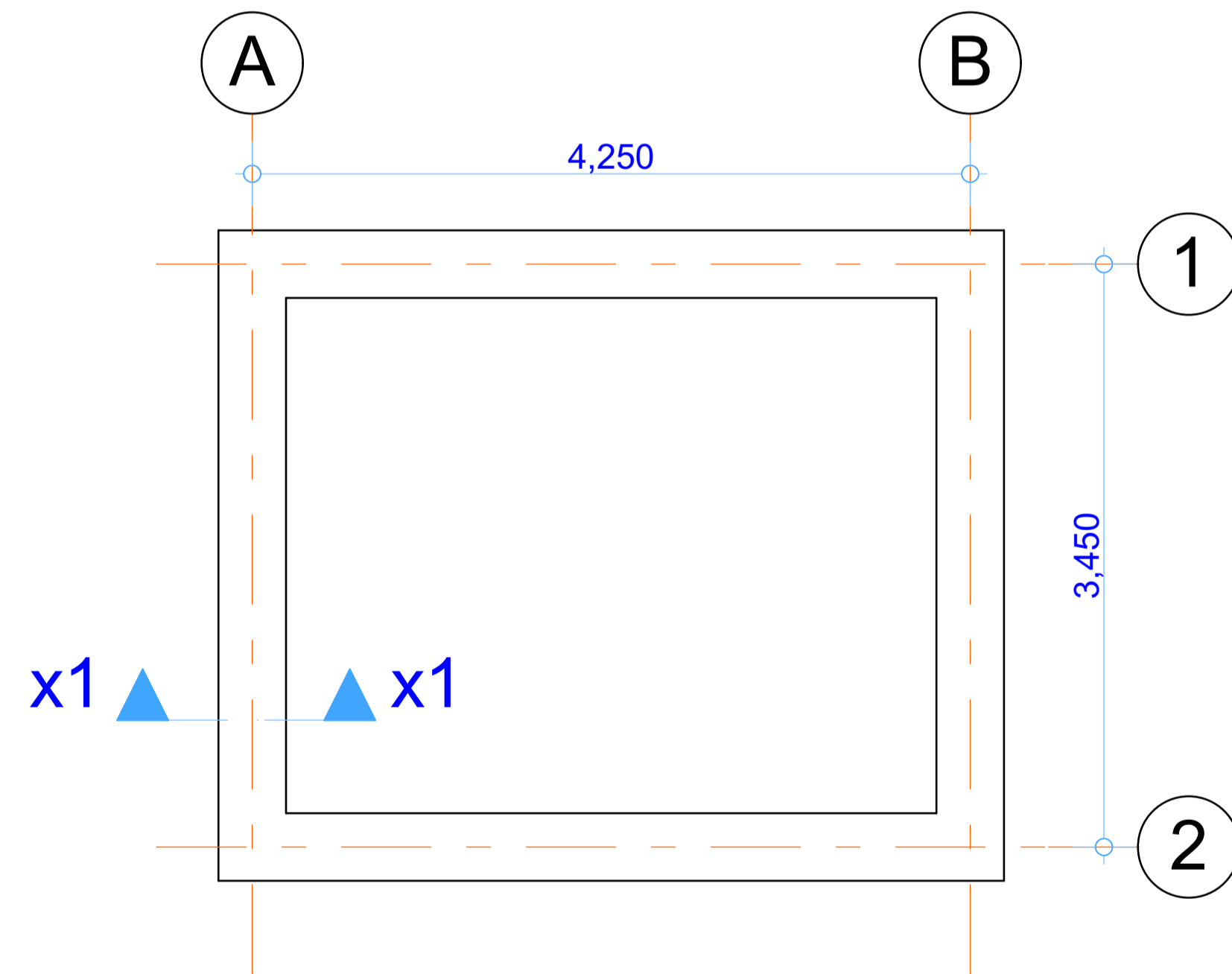
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REVIEWED BY:			
APPROVED BY:			

SHEET N°:
24/32

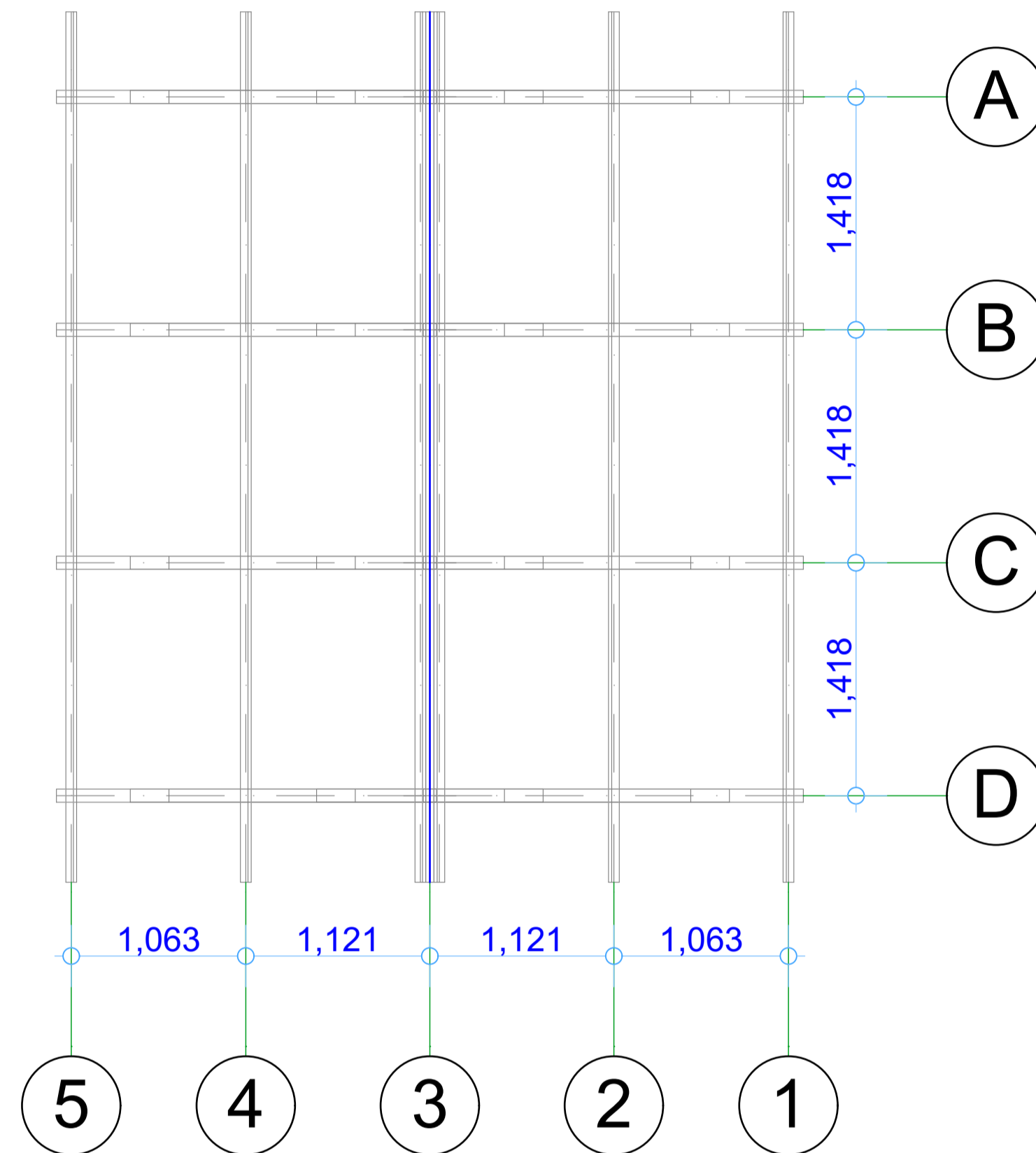


LEGEND
 —▶ Direction of fall

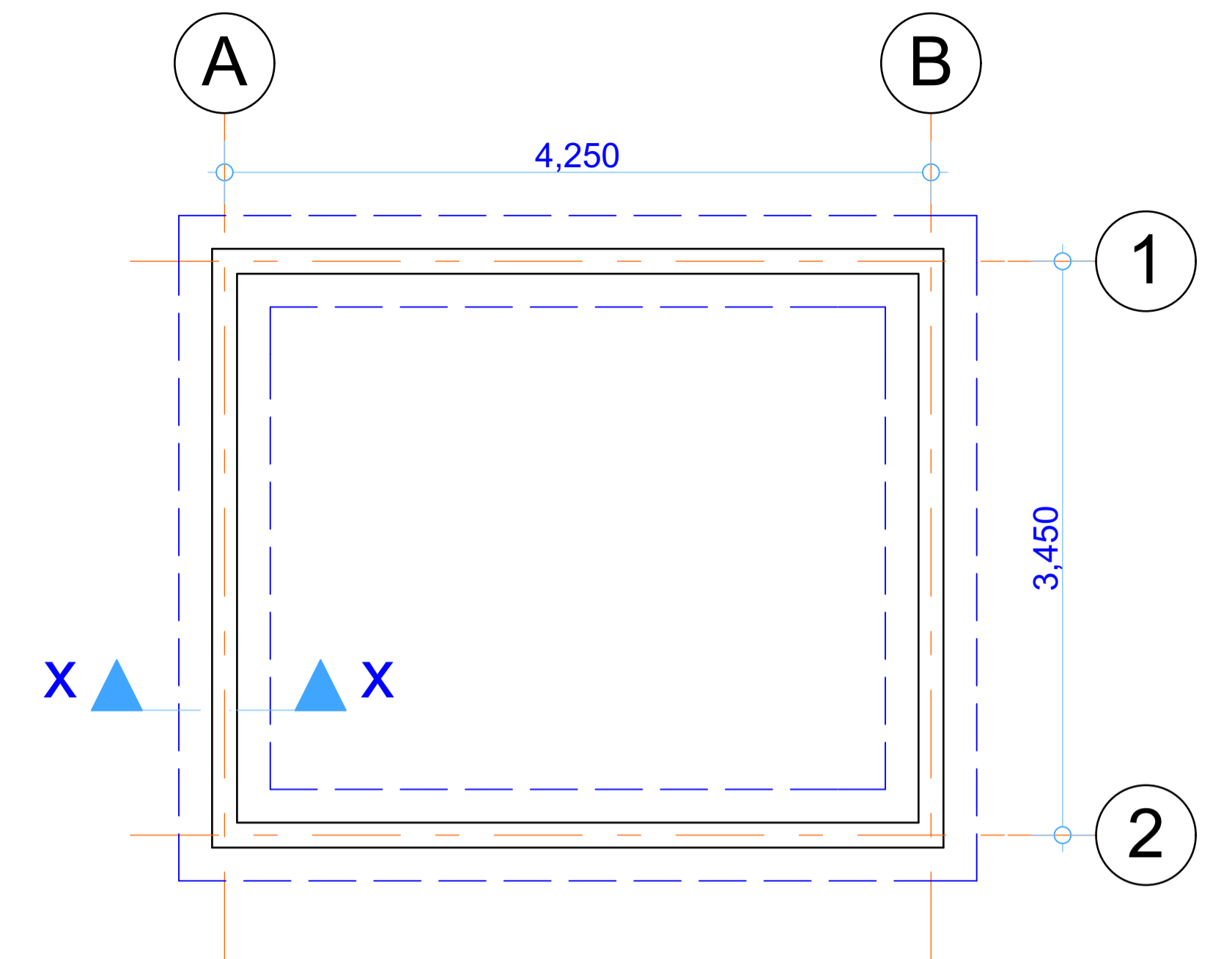
ROOF LAYOUT



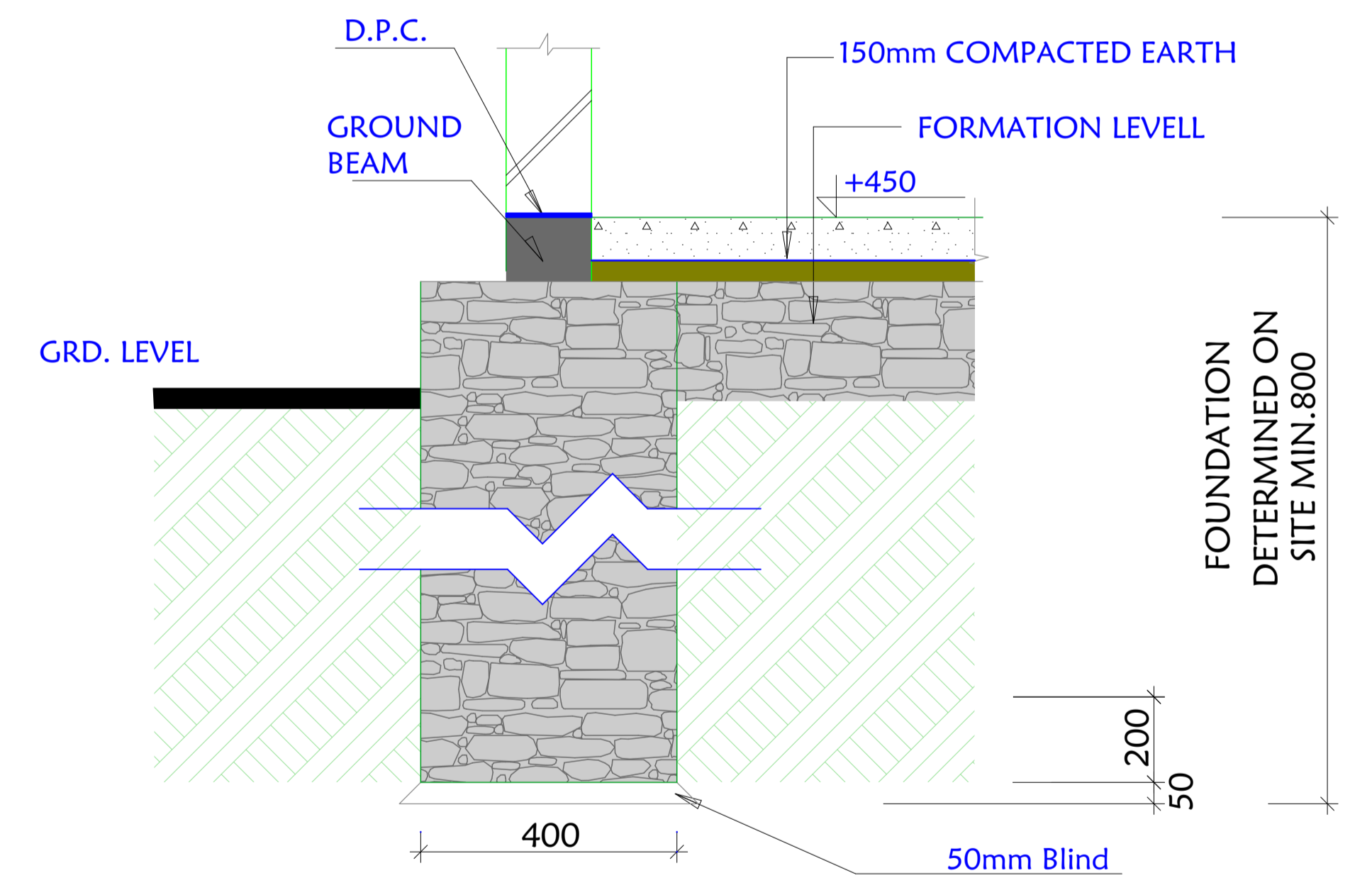
RUBBLE STONE FOUNDATION LAYOUT



TRUSS LAYOUT



STRIP FOUNDATION LAYOUT



SECTION X-X
 SCALE 1:25

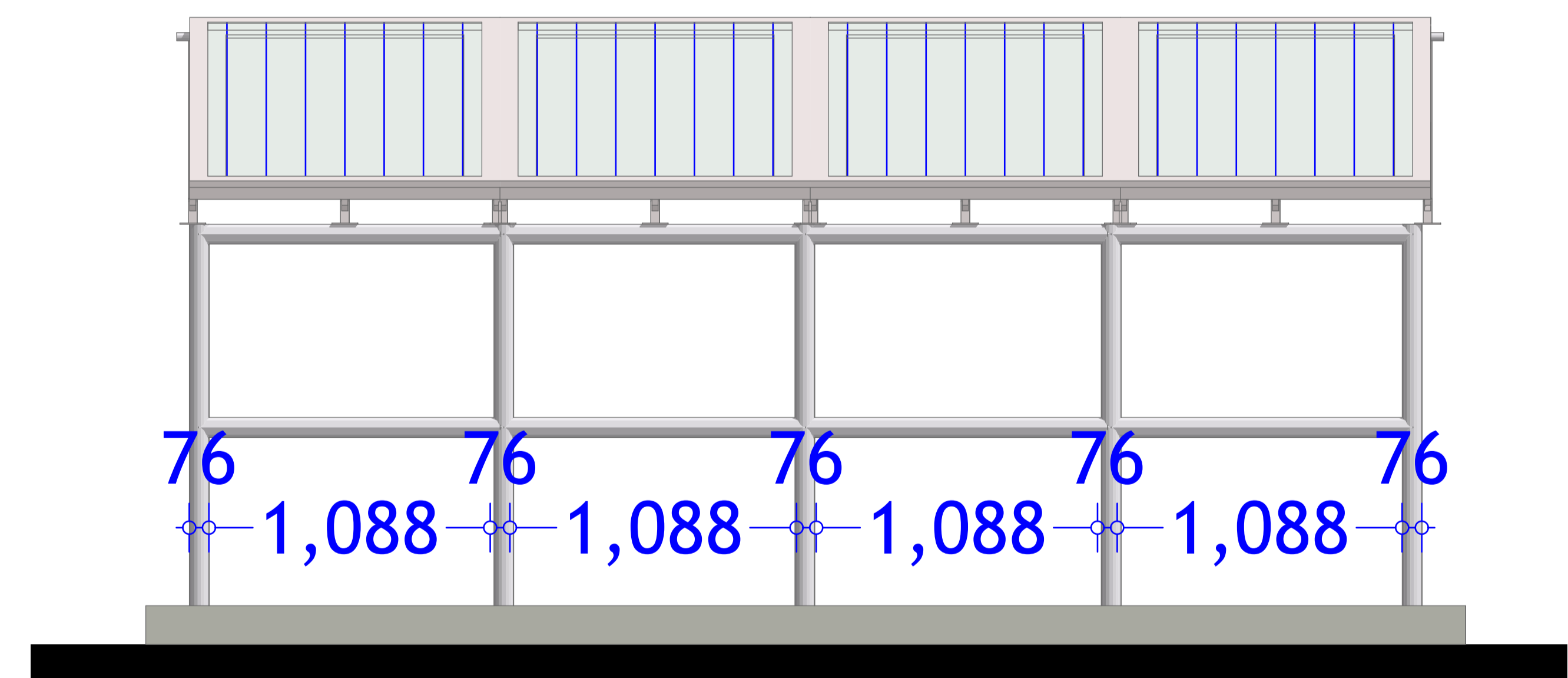
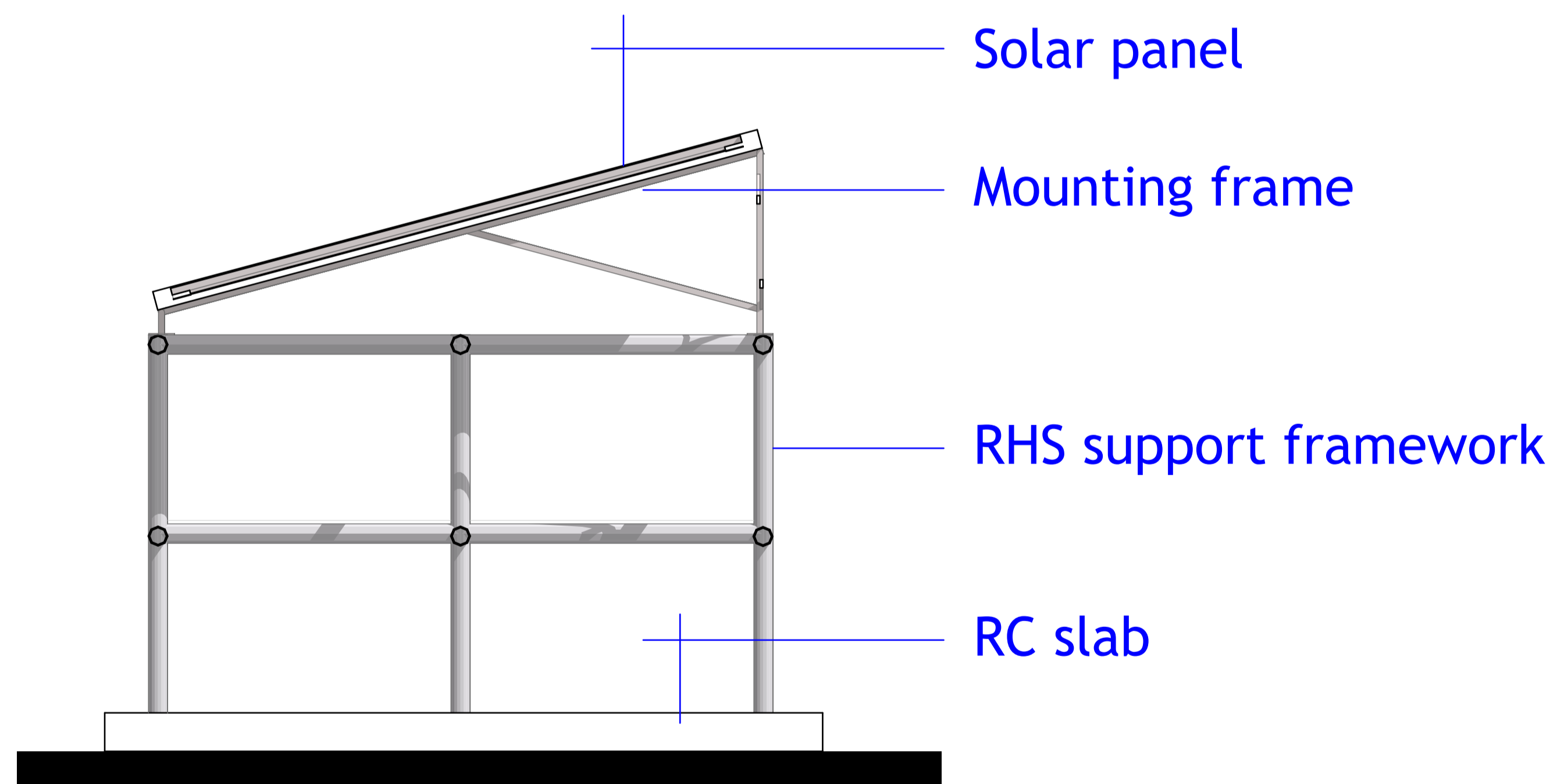
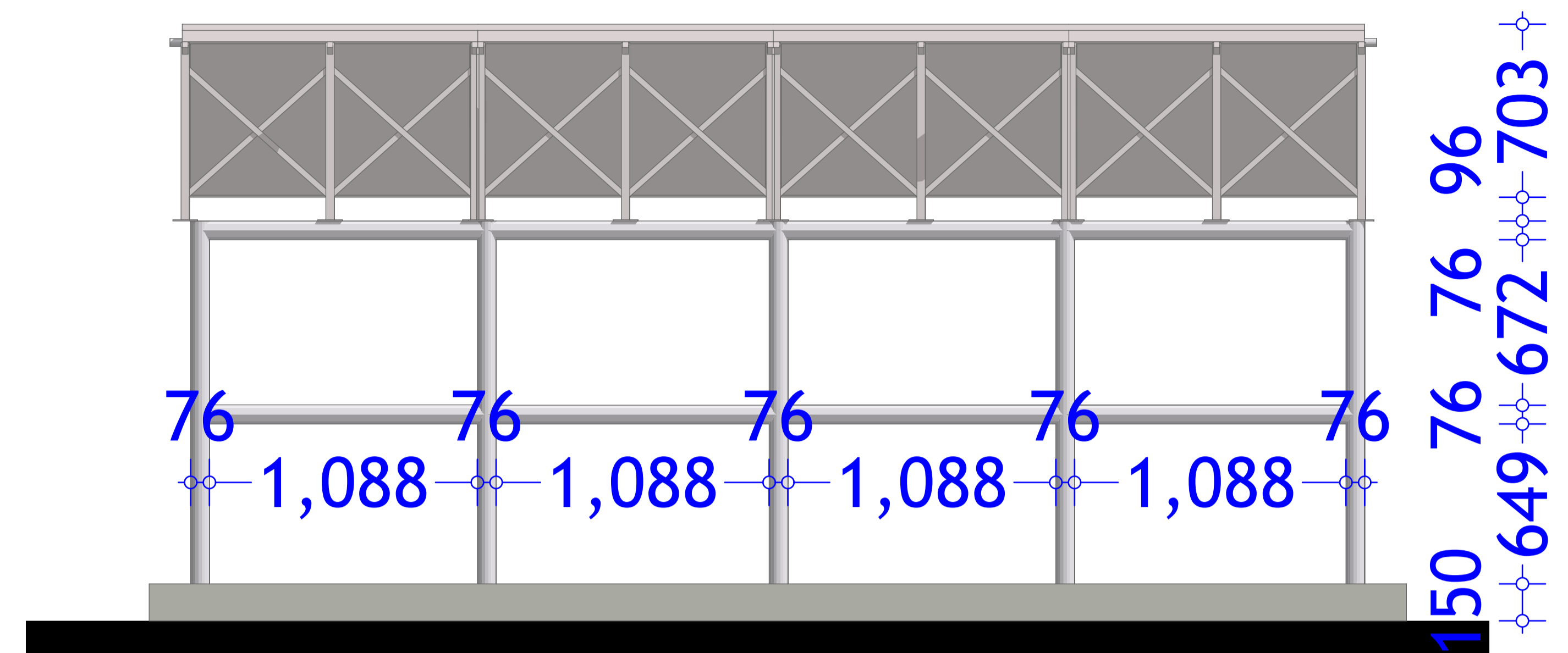
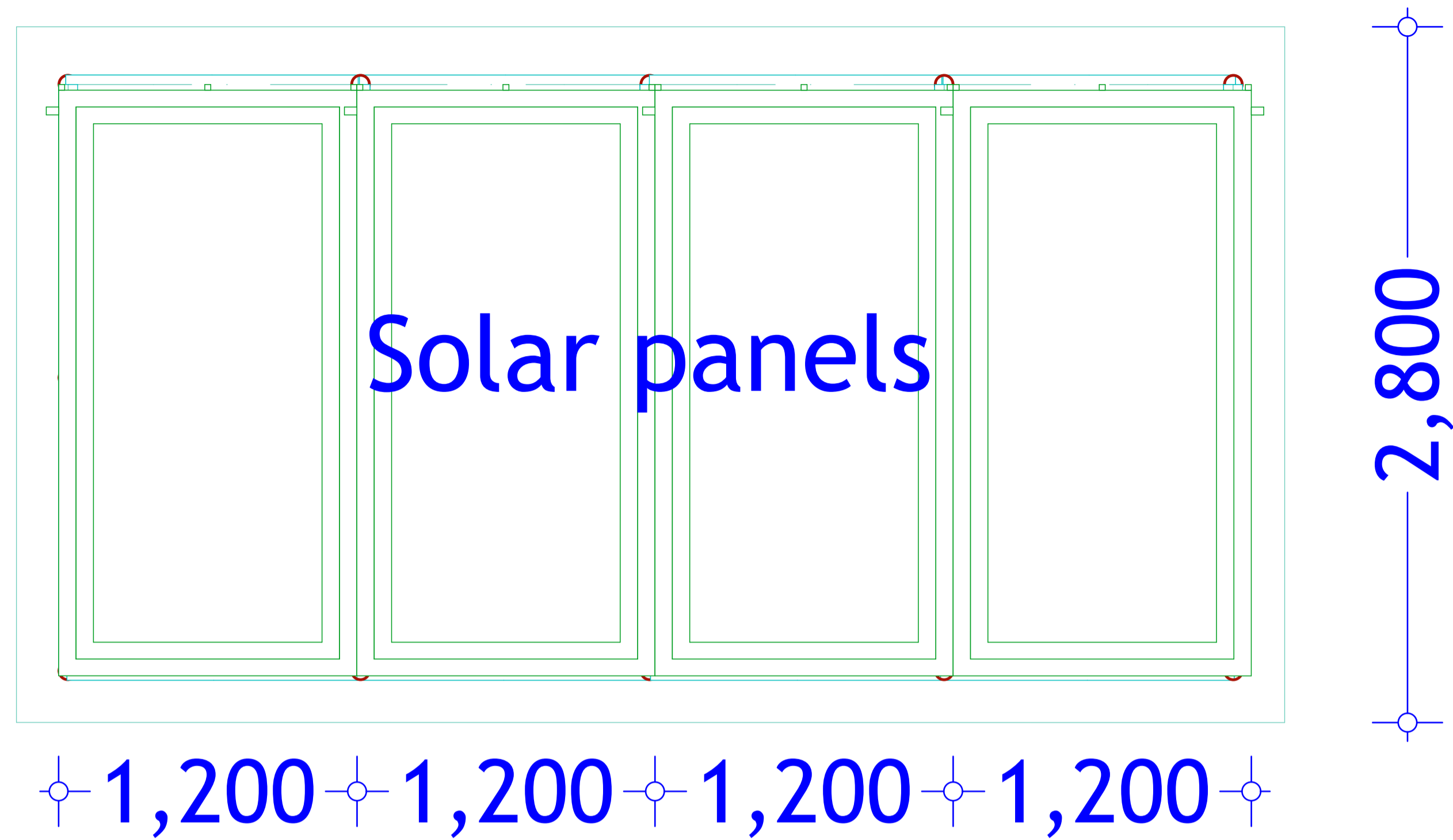
RUBBLE STONE FOUNDATION FOOTING DETAIL

PROJECT. PROPOSED AFMADHOW BOREHOLE
 REHABILITATION
 -AFMADHOW 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



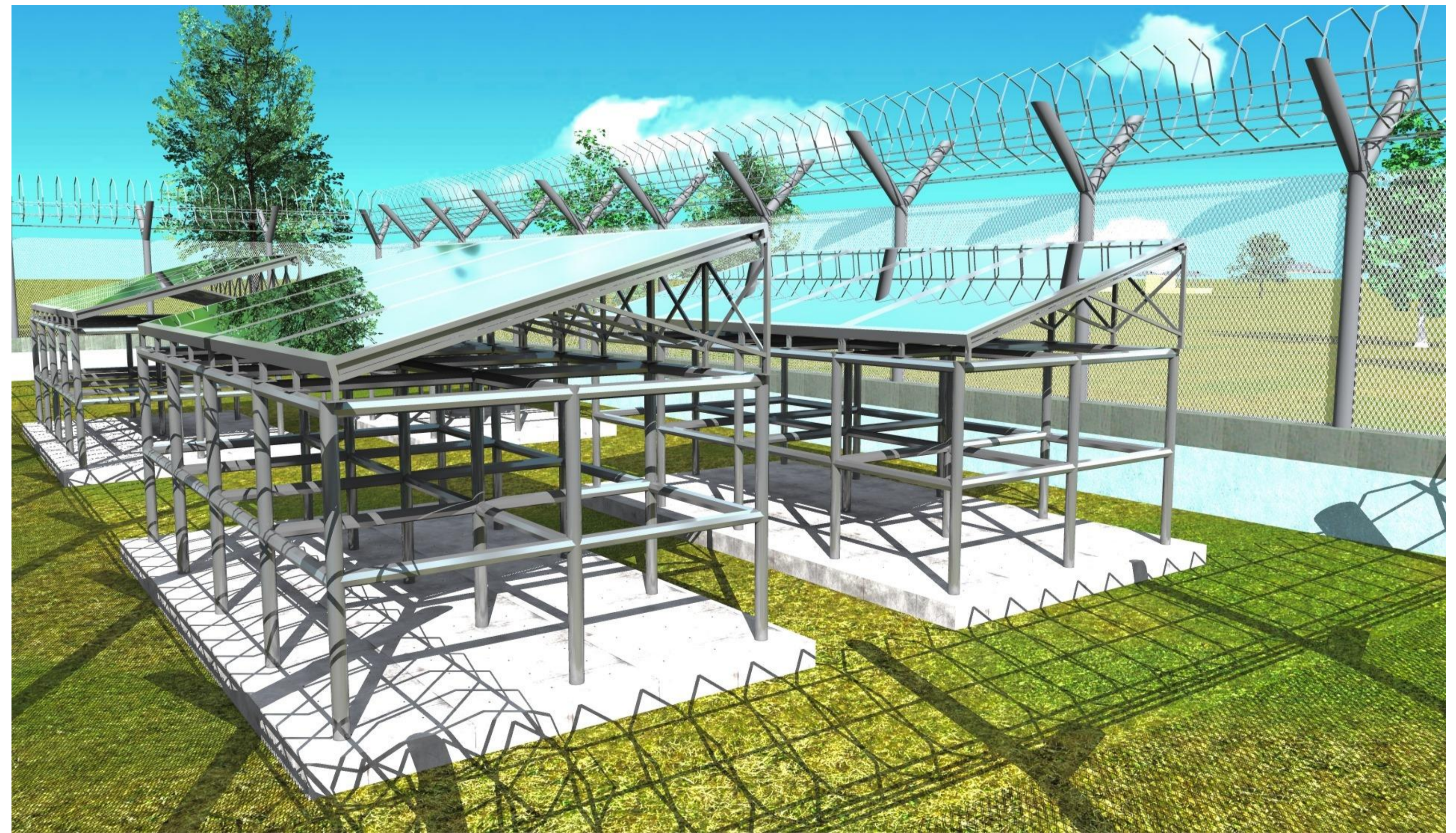
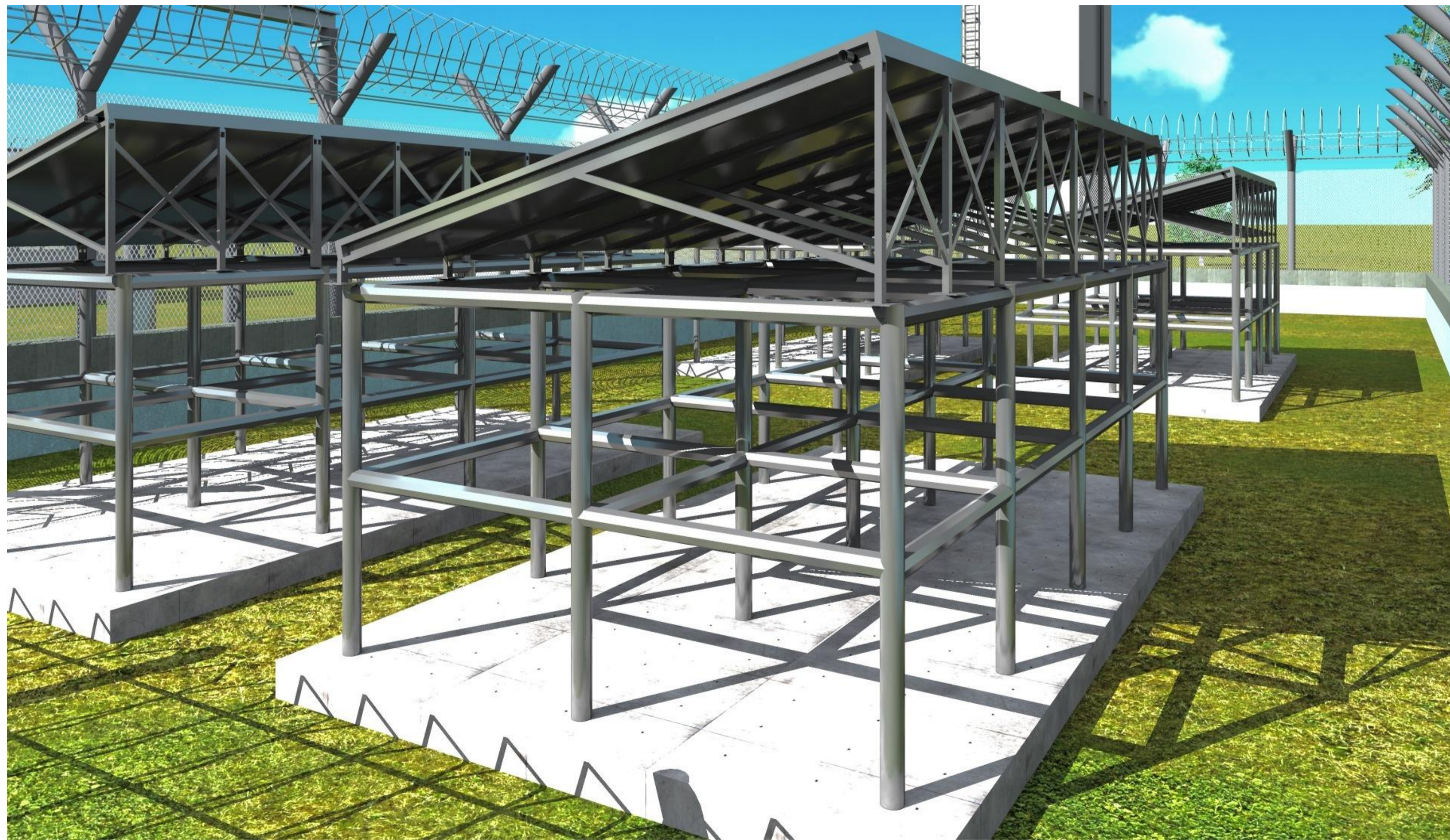
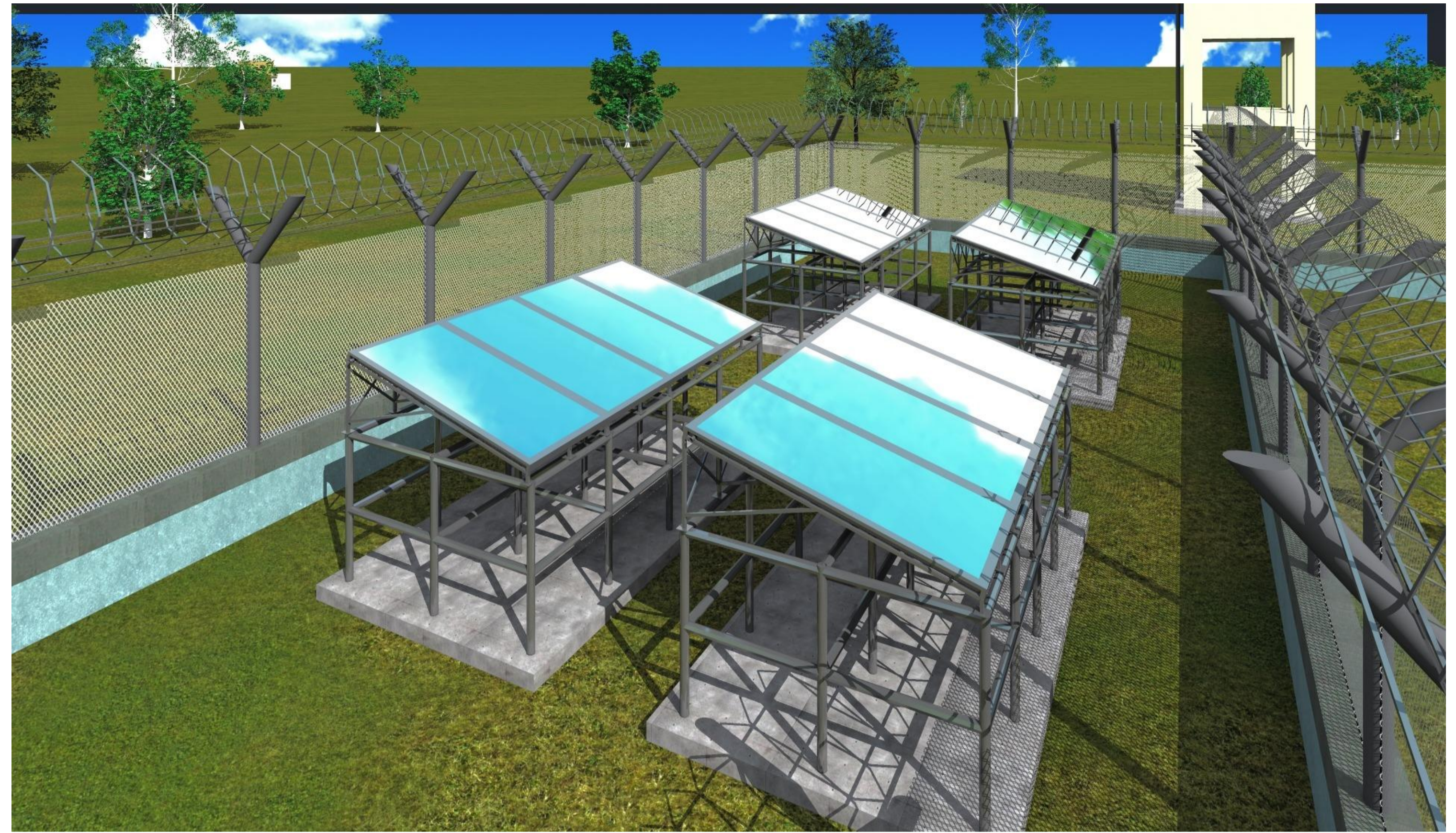
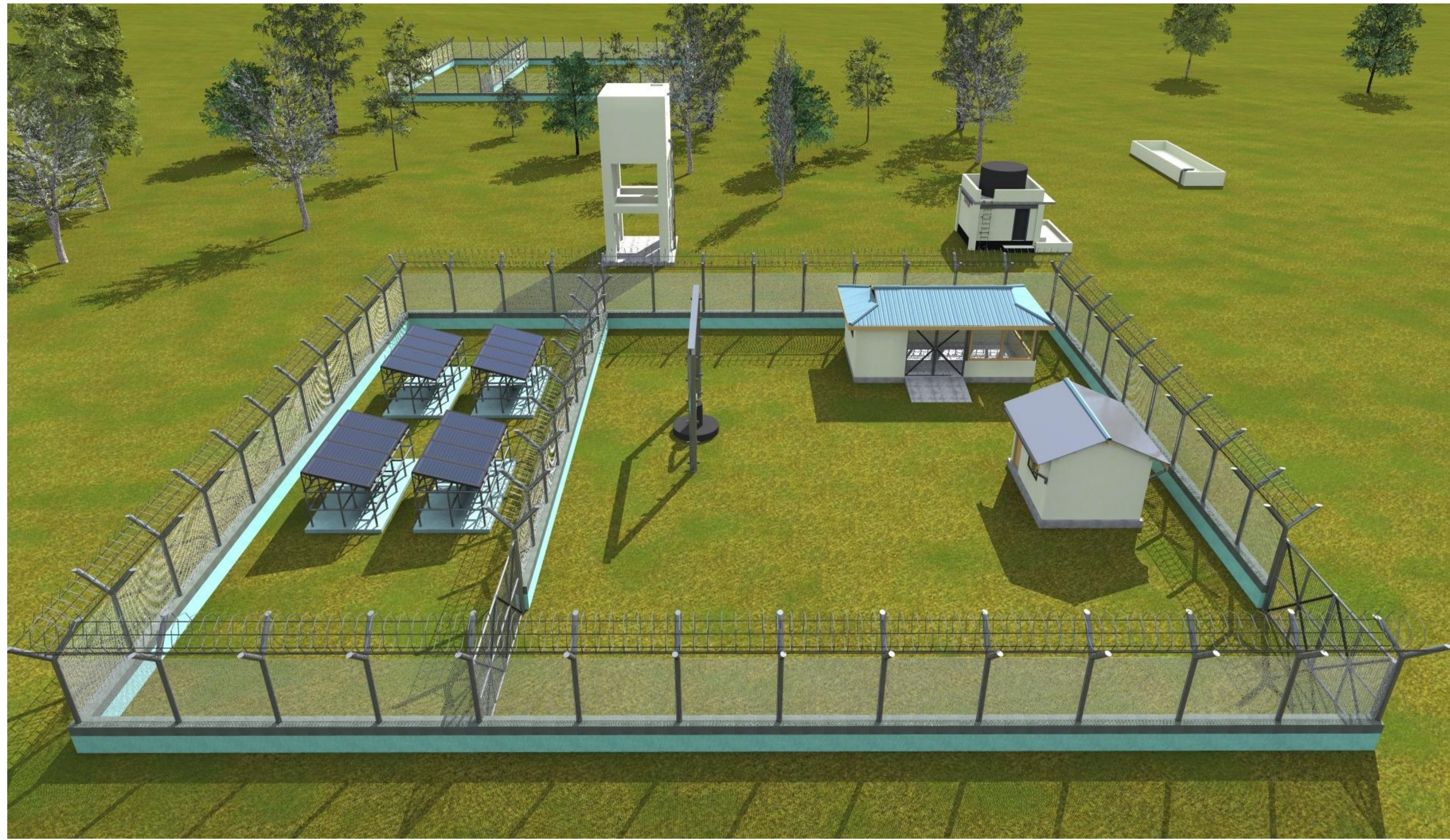
PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-AFMADHOW DISTRICT-

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

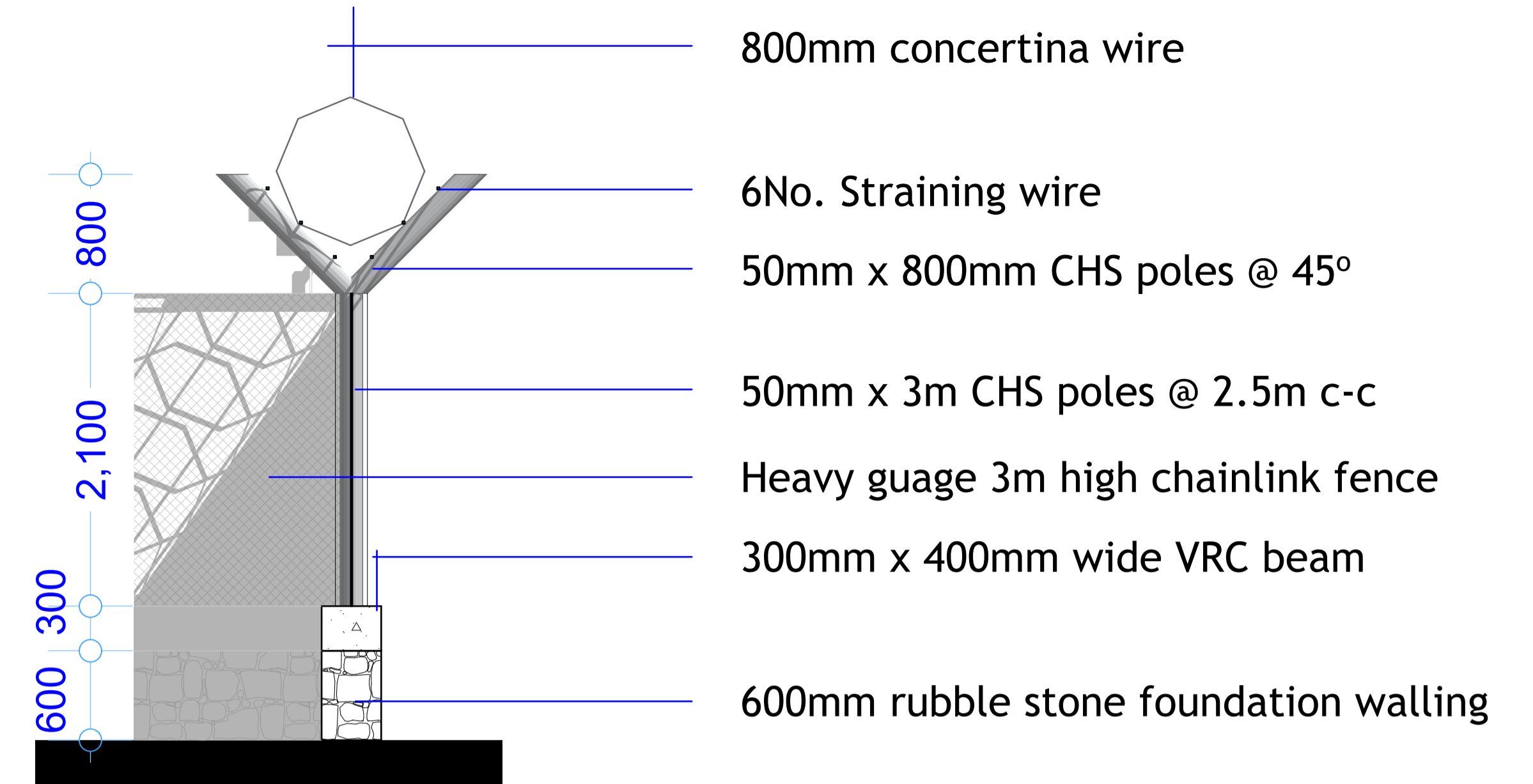
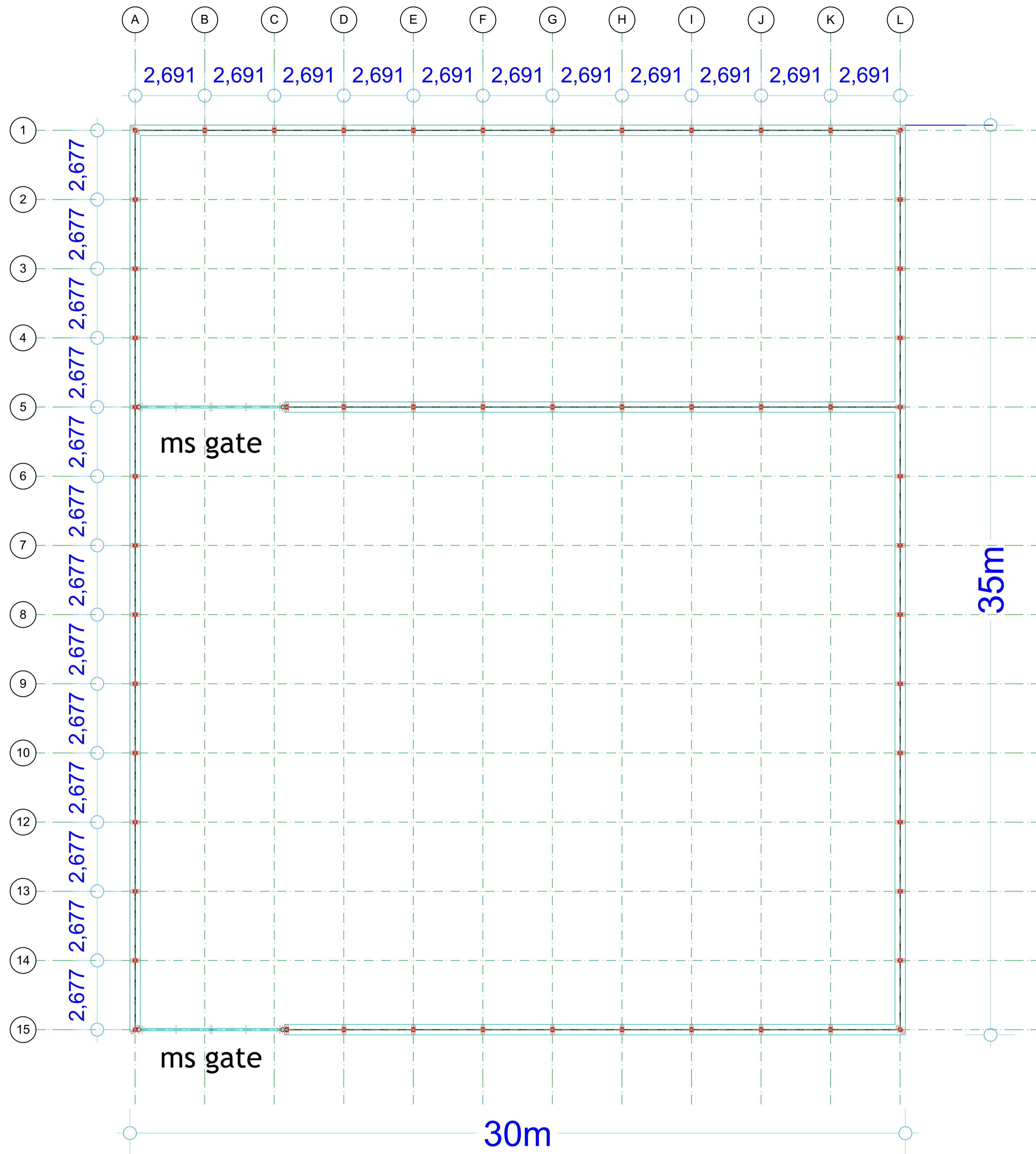


PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-AFMADHOW DISTRICT-

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



800mm concertina wire

6No. Straining wire

50mm x 800mm CHS poles @ 45°

50mm x 3m CHS poles @ 2.5m c-c

Heavy gauge 3m high chainlink fence

300mm x 400mm wide VRC beam

600mm rubble stone foundation walling

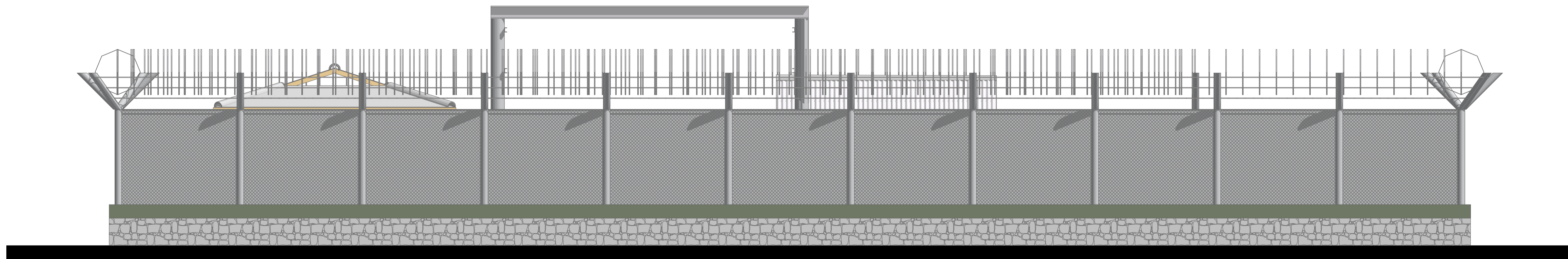
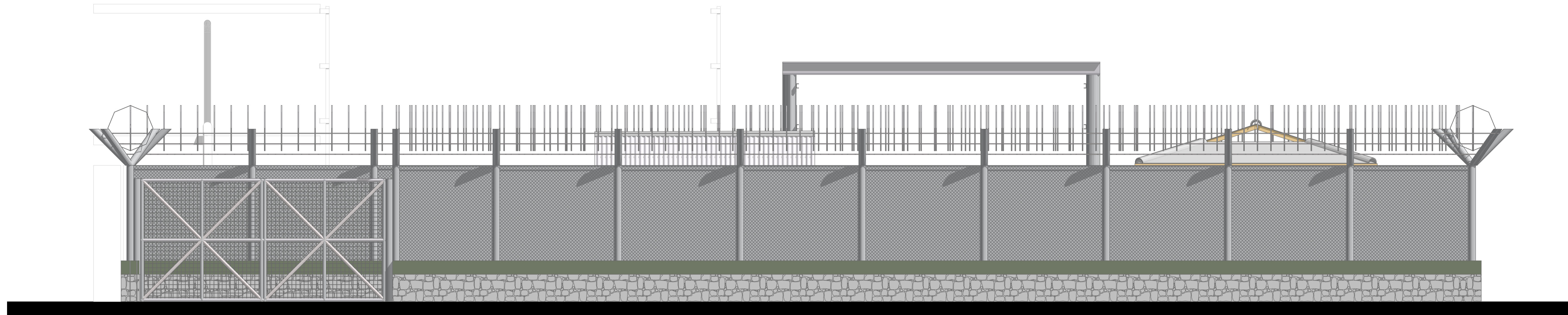
PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-AFMADHOW DISTRICT-

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

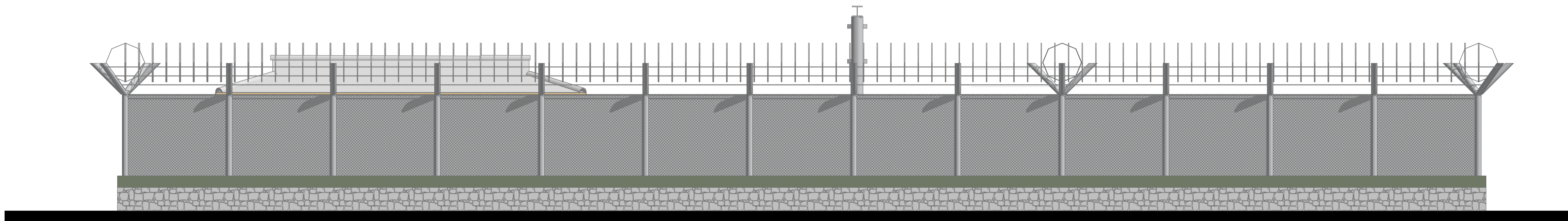
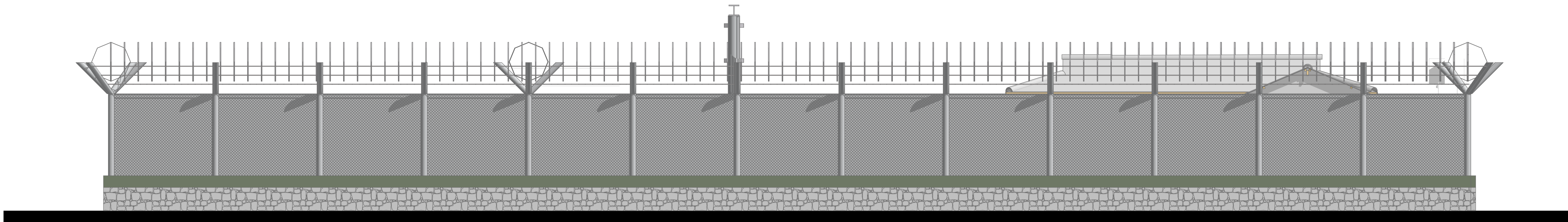


PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-AFMADHOW DISTRICT-

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
-AFMADHOW DISTRICT-

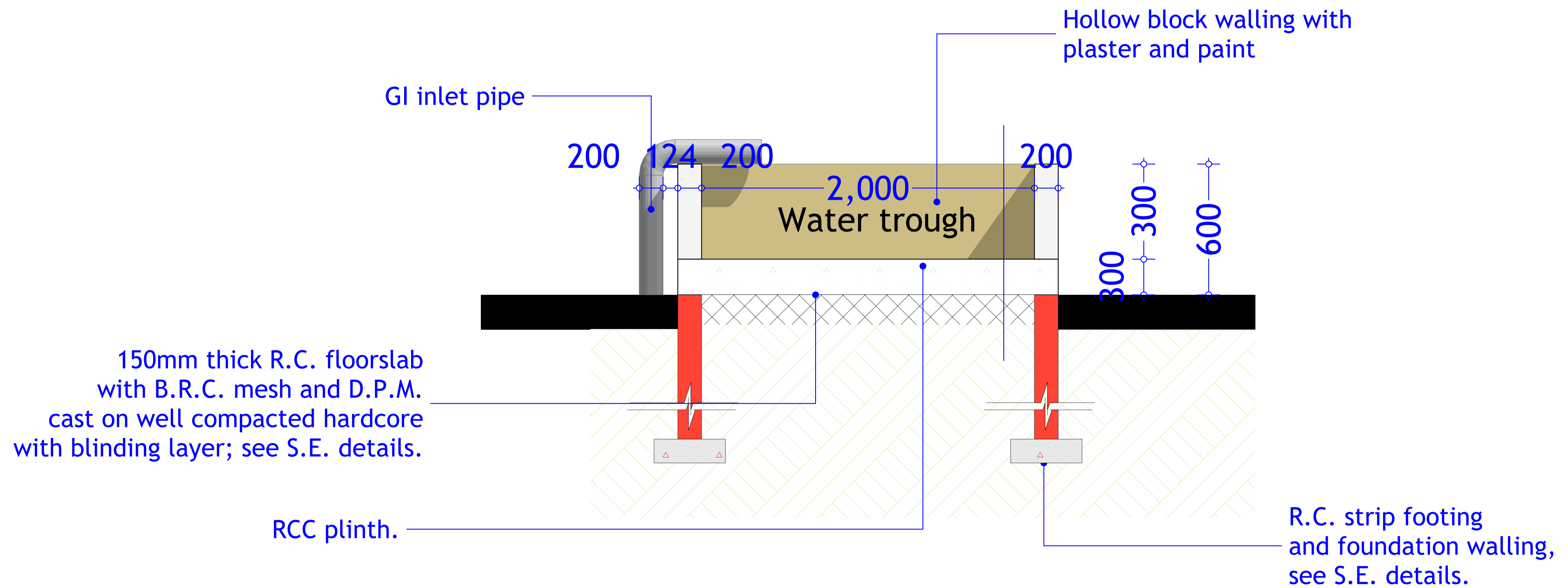
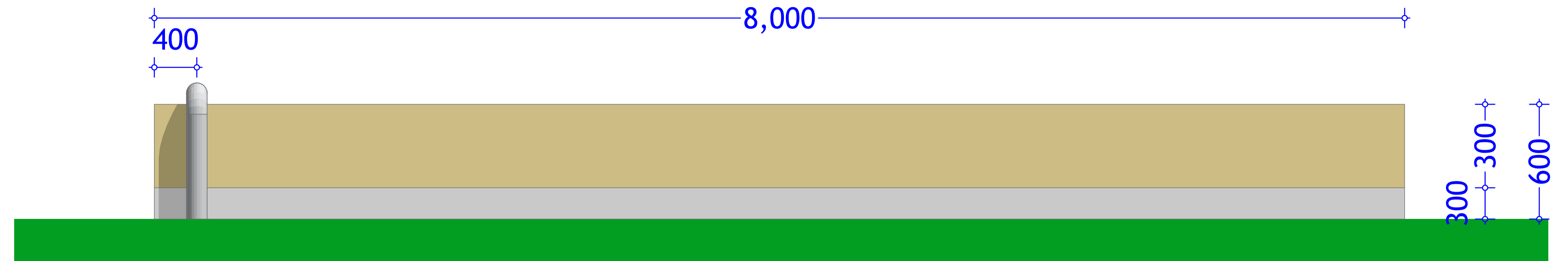
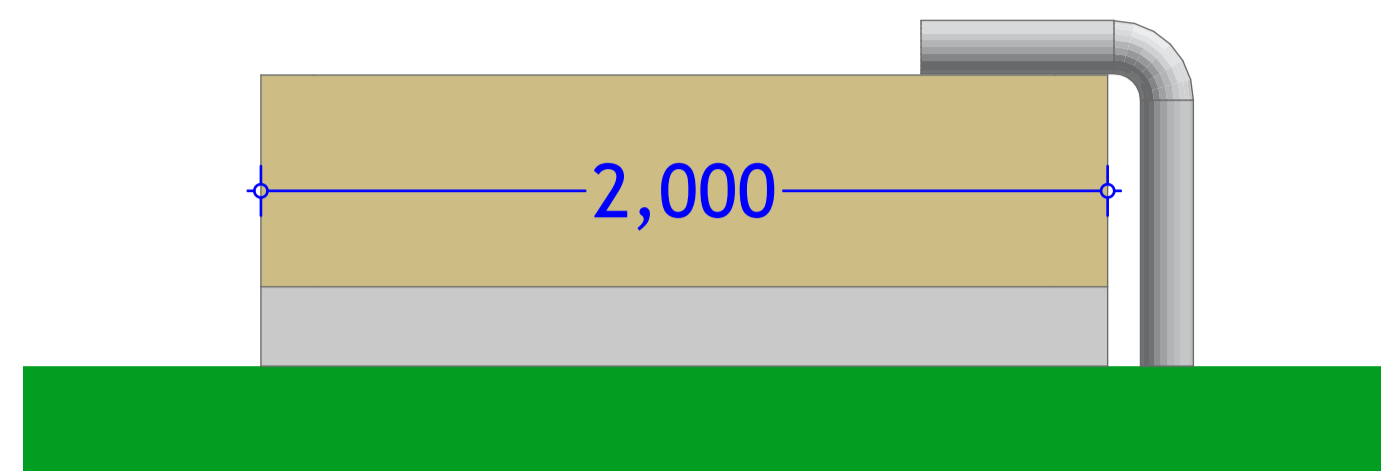
SHEET TITLE:
ELEVATIONS

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

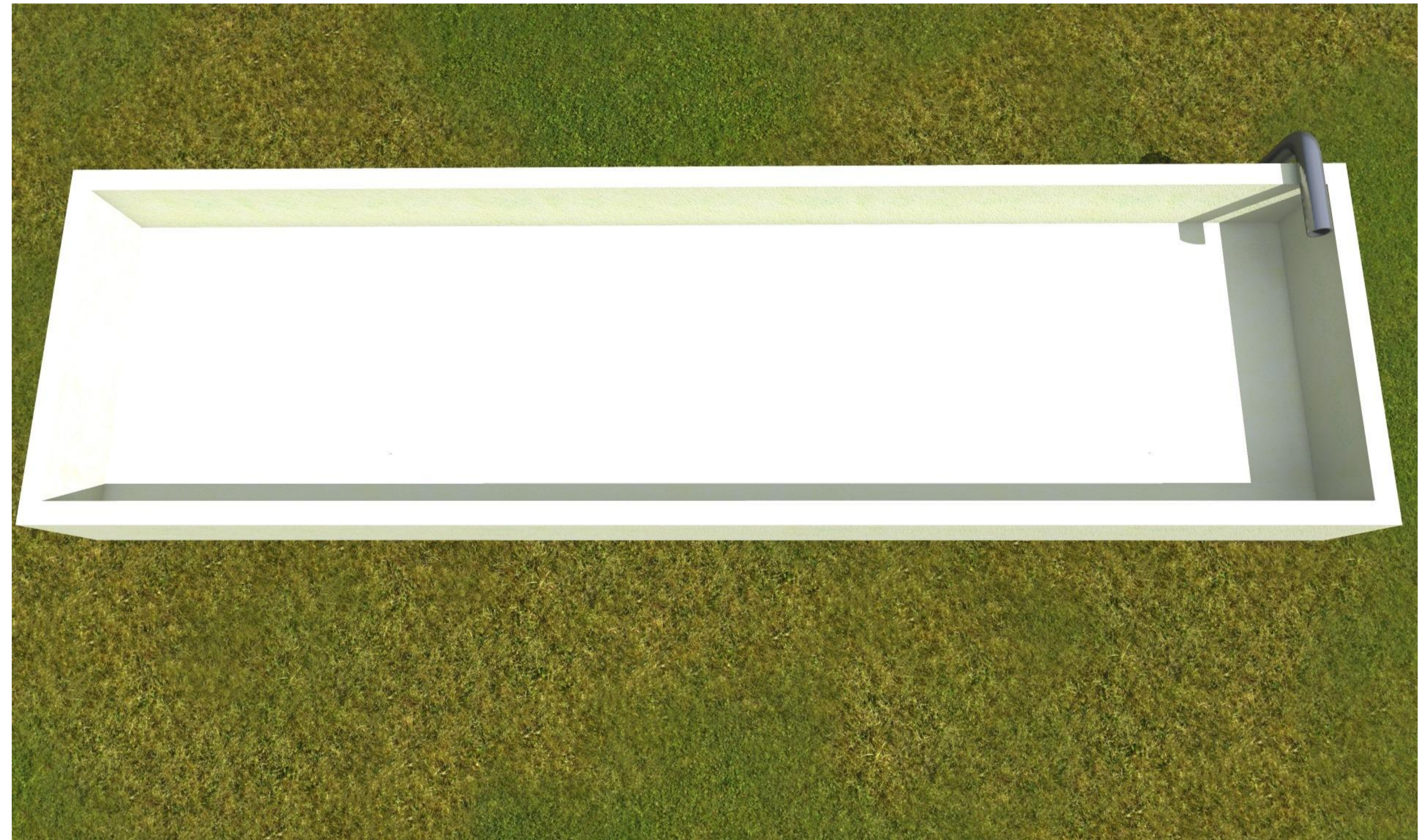
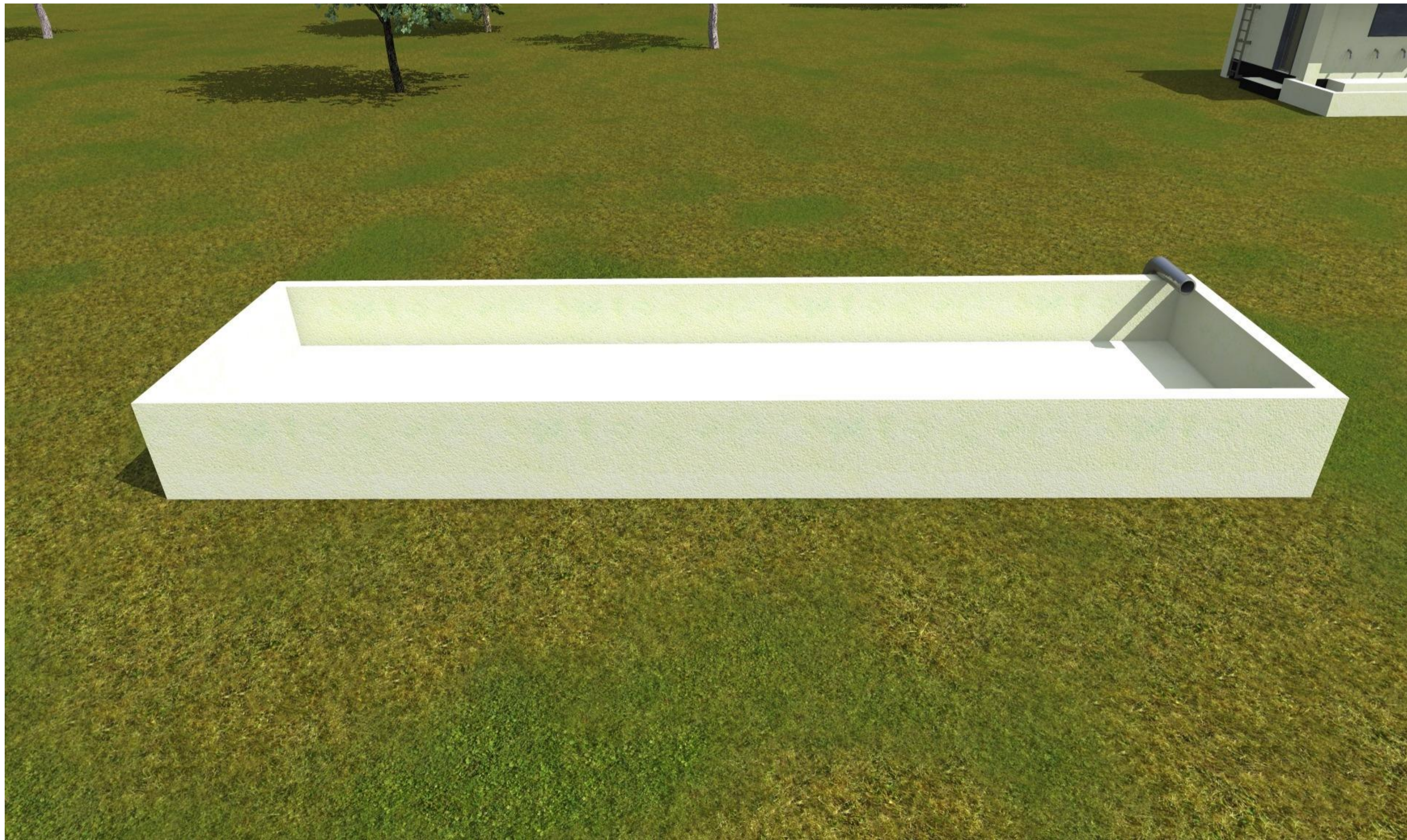
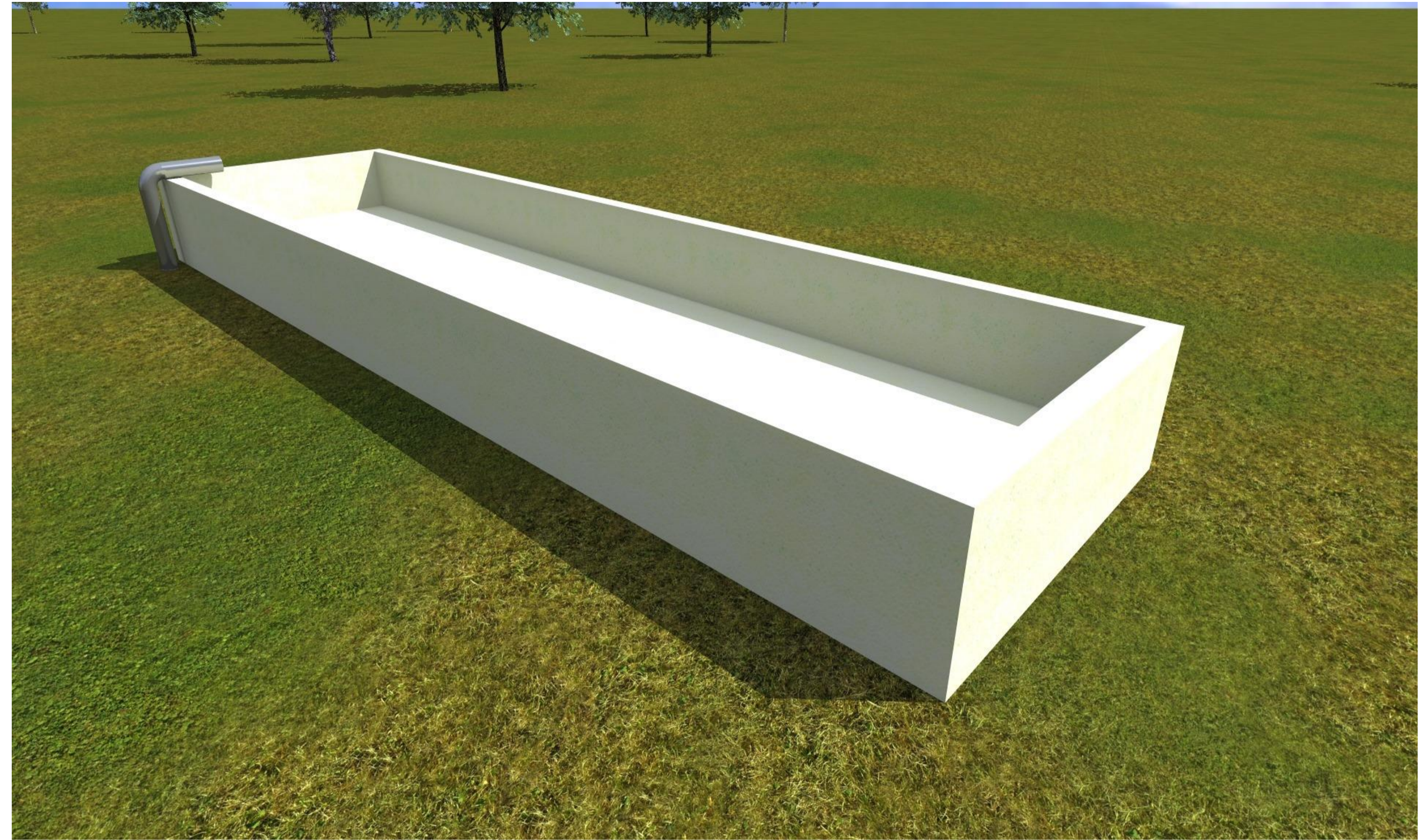
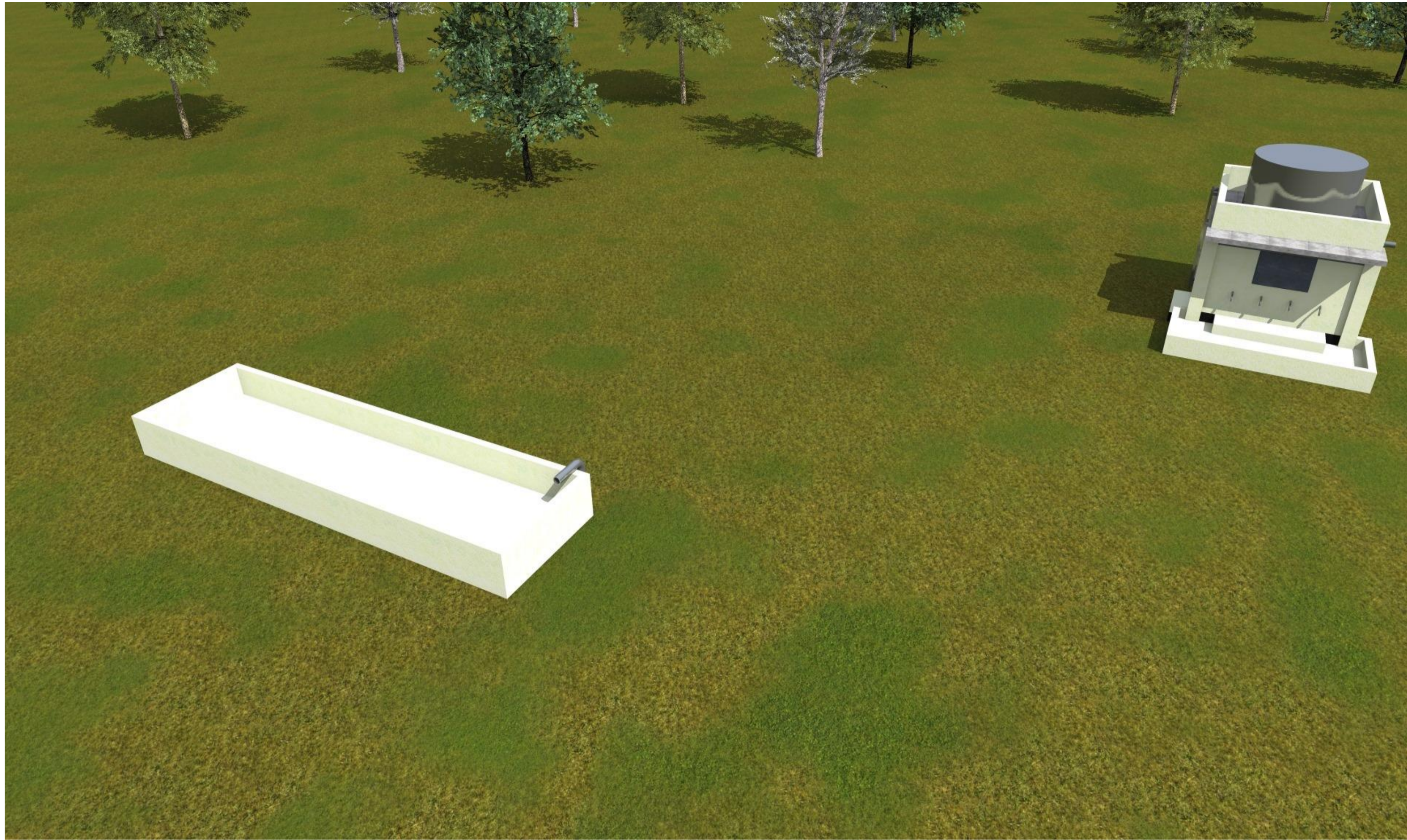


PROJECT. PROPOSED AFMADHOW BOREHOLE
REHABILITATION
-AFMADHOW DISTRICT-

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
-AFMADHOW 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