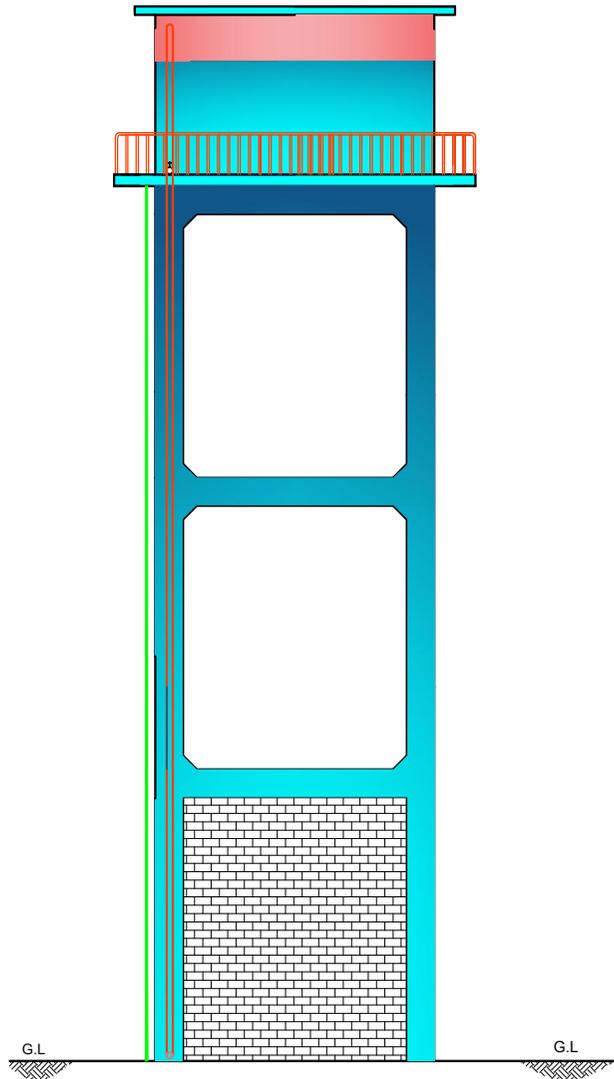
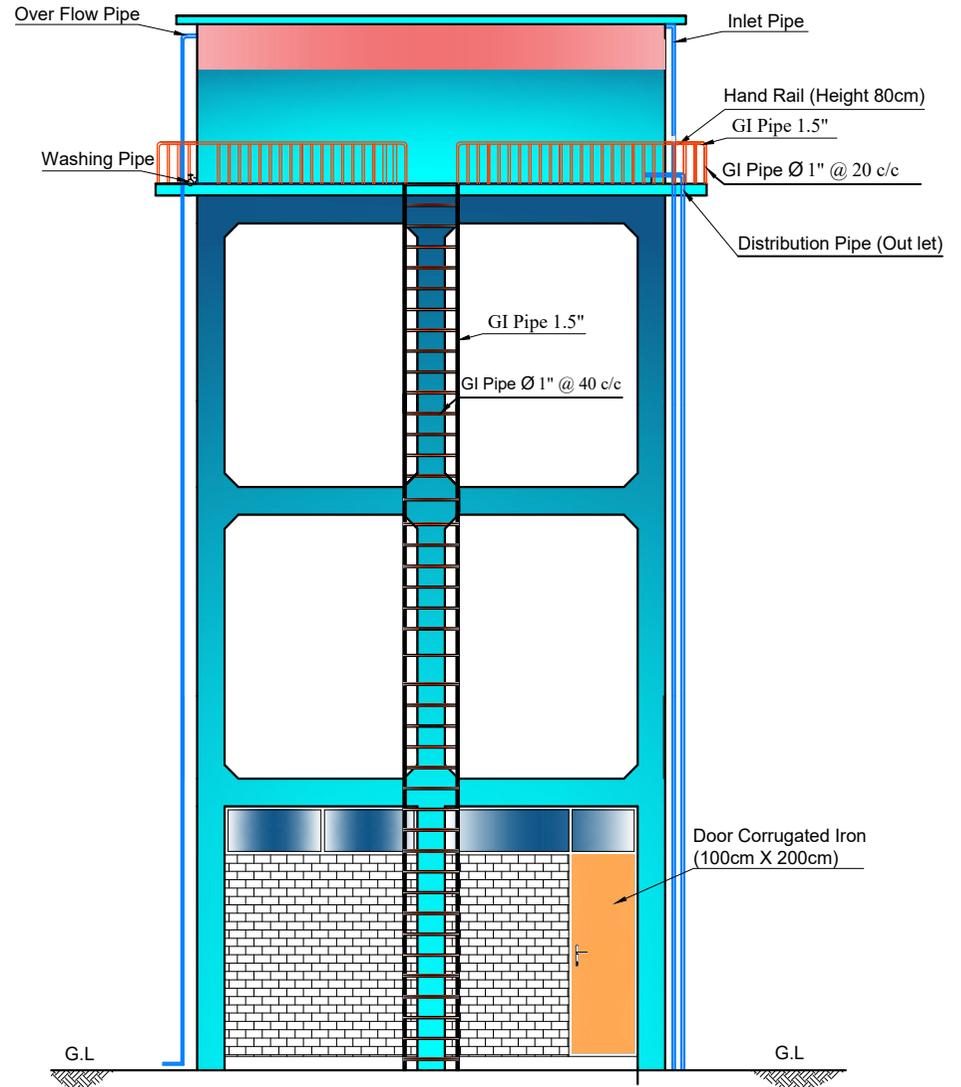


Side View

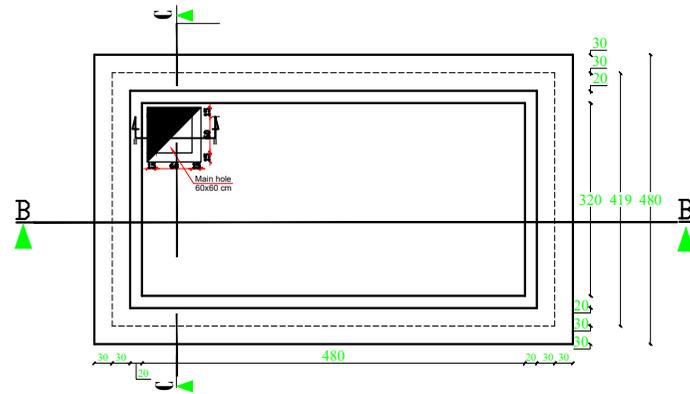


Front View

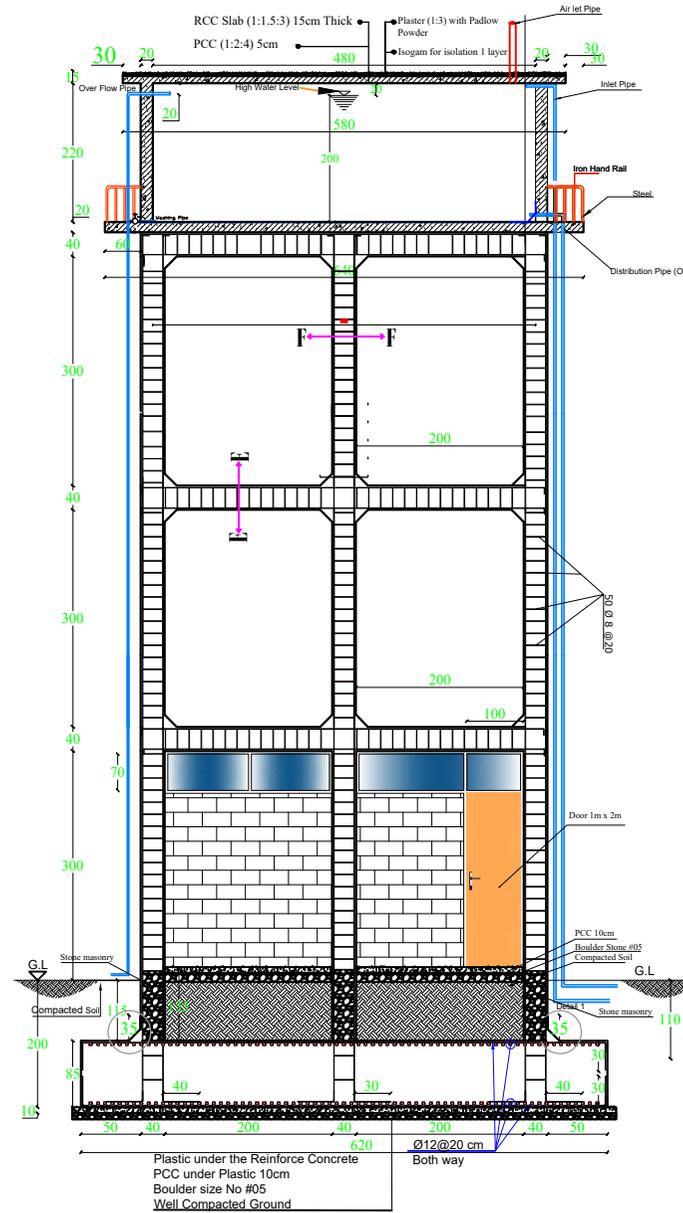
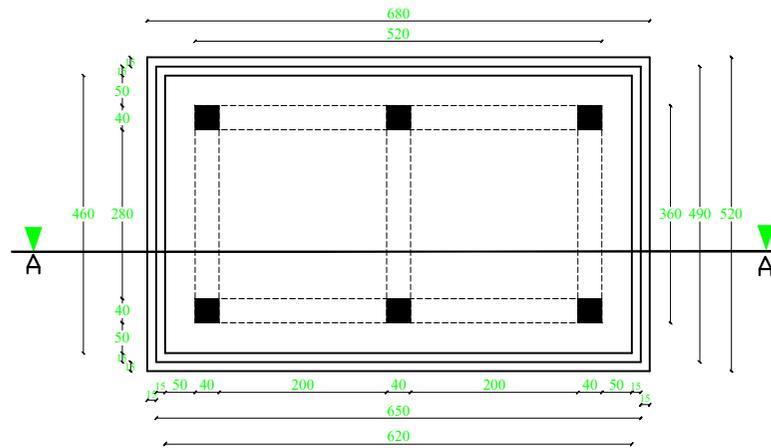


 TIS AFGHANISTAN MEDAIR WASH Development 	SURVEYED BY	KHR WASH Team	CHECKED BY	Eng Samiullah Azizi	SCALE	1:XX	SHEET NO. 	PROVINCE	Kandahar	PROJECT NAME Hassanzi WASH Project (AF0240)	
	DESIGNED BY	KHR WASH Team	REVIEWED BY	Conner Wingerter	DATE			DISTRICT	Zehrai		DRAWING TITLE
	DRAWN BY	KHR WASH Team	APPROVED BY	Conner Wingerter	DRAWING NO			VILLAGE	Hassanzi		Front and Side View of Water Tank

### Plan of Reservoir

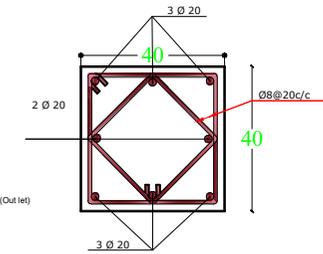


### Foundation Plan

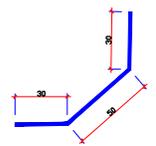


Section A-A

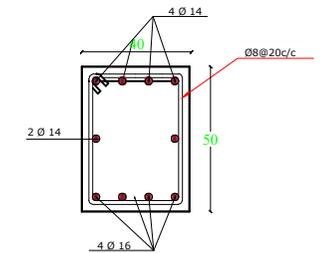
### SECTION (F-F)



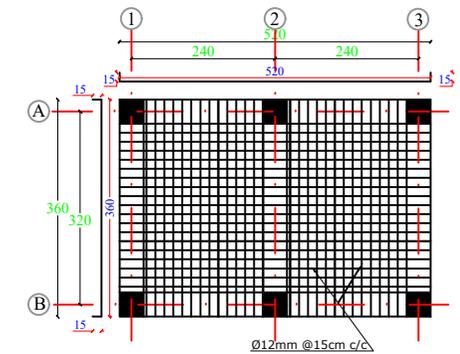
### Detail 1



### SECTION (E-E)

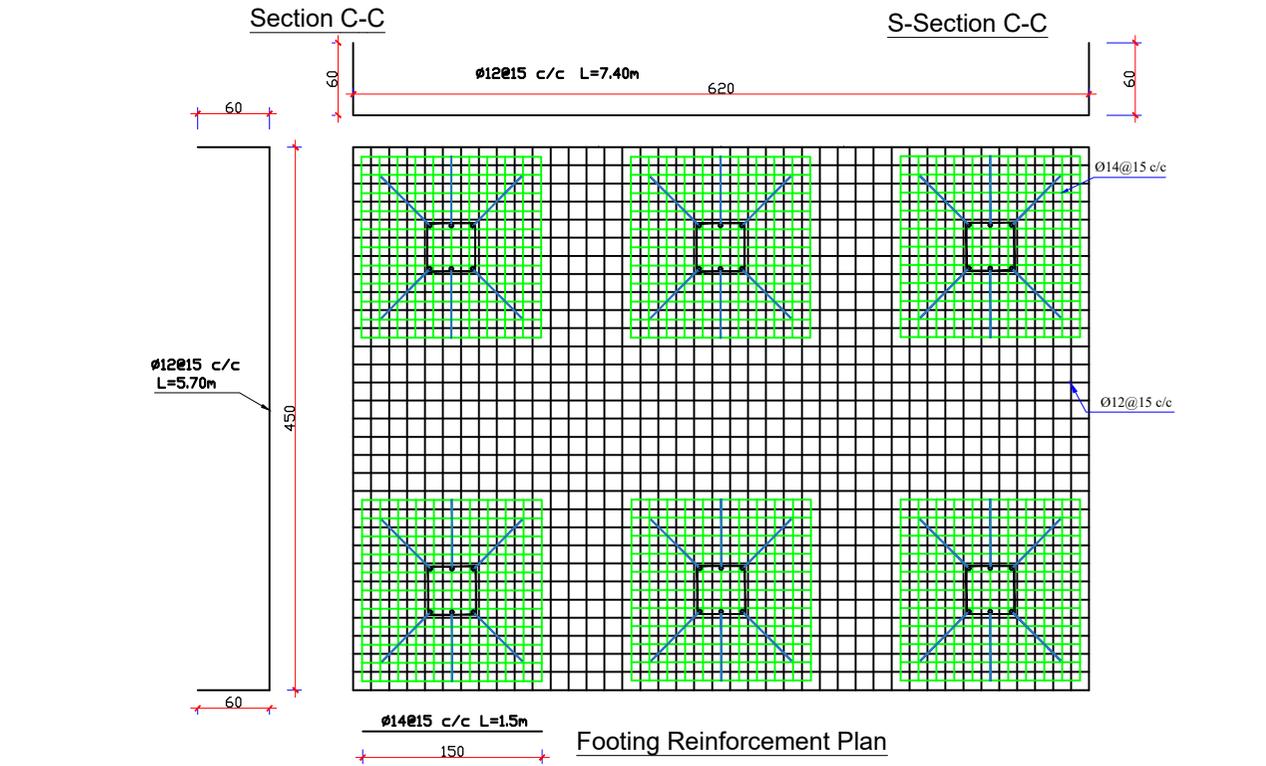
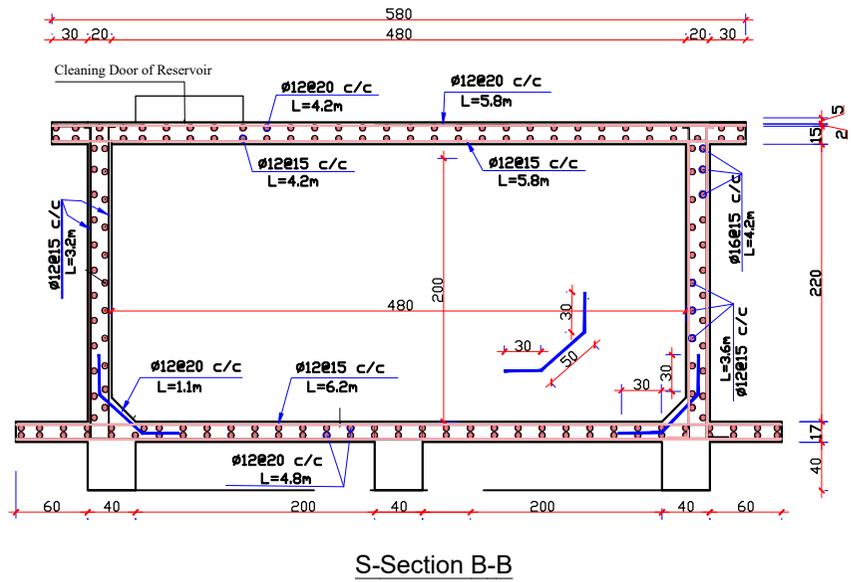
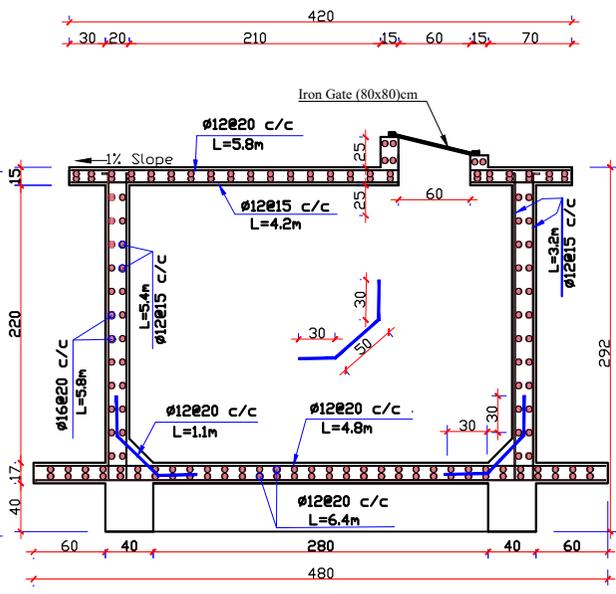
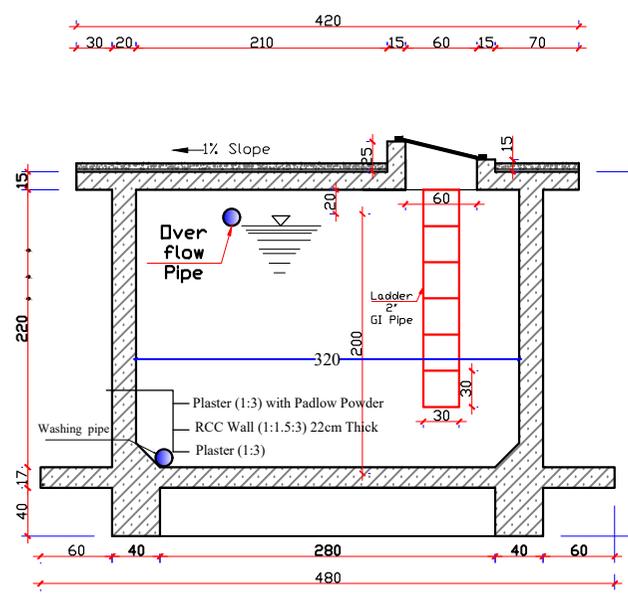
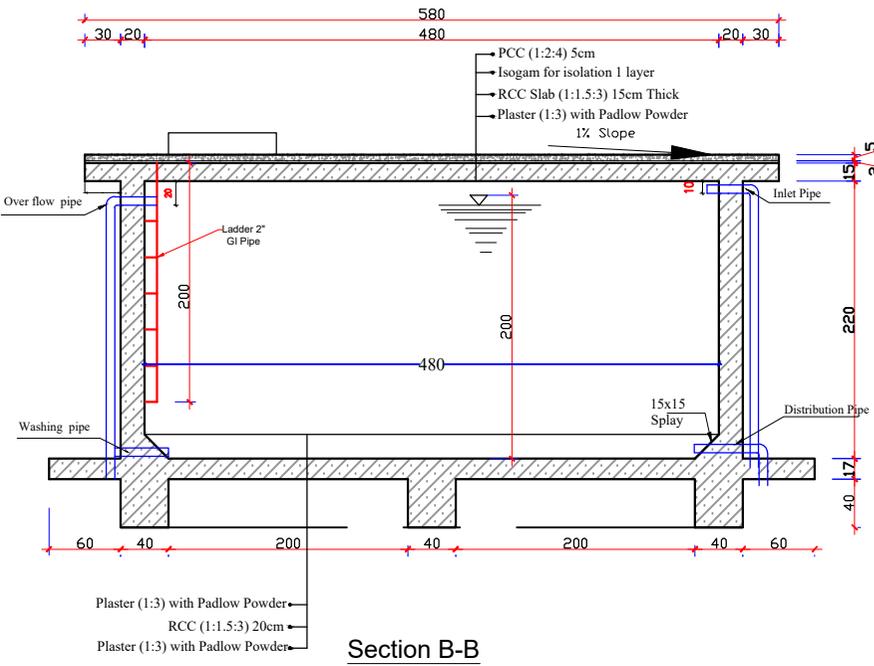


### Gurad Room Slab Details



### Note:

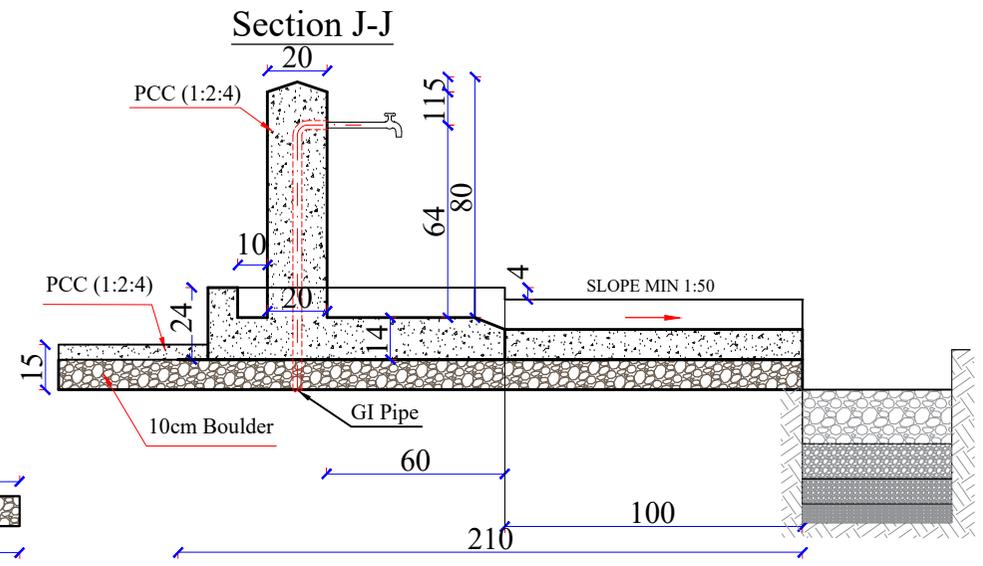
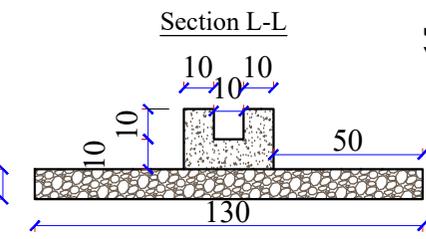
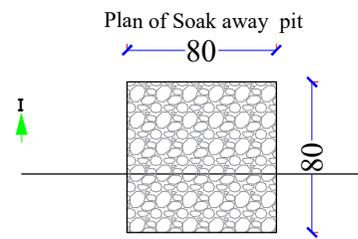
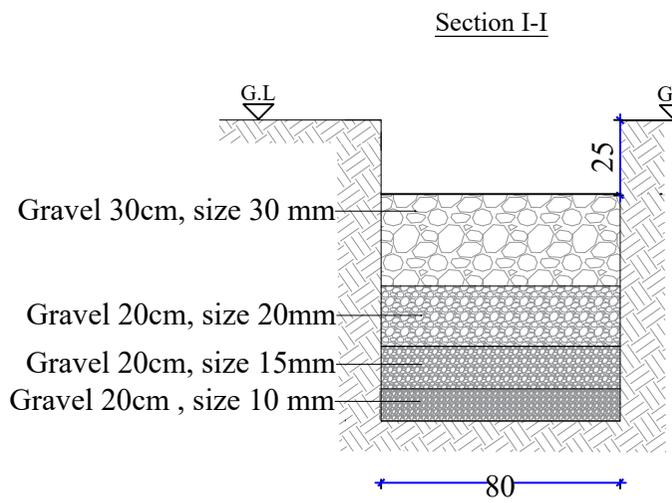
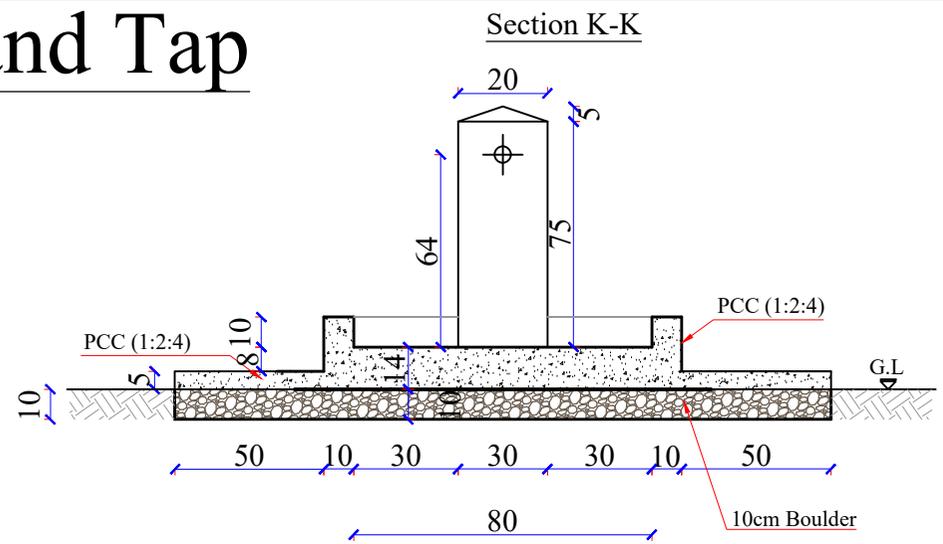
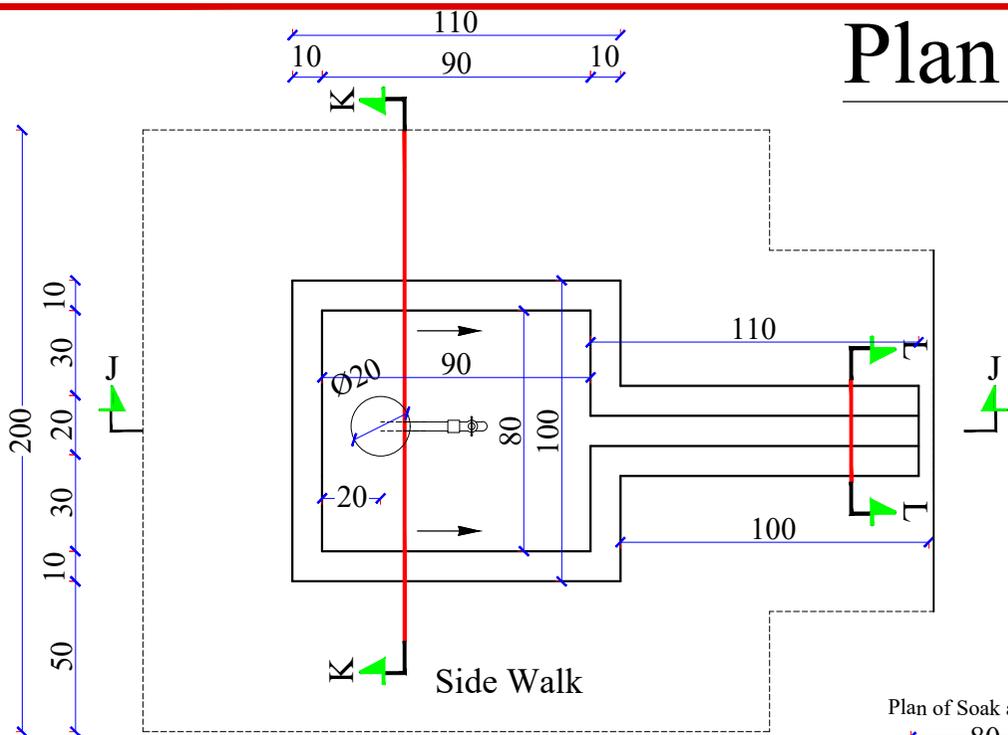
- 1- All dimensions are in cm unless otherwise stated.
- 2- During RCC work vibrator must be used to avoid water leakage from reservoir.
- 3- All PCC works should be with 1:2:4 mortar unless otherwise stated.
- 4- All RCC works should be with 1:1.5:3 mortar.
- 5- Isolation material is glass wool.
- 7- Curing must be continued upto 28 days.
- 8- Clear and Clean water must be used every where.
- 9- The inlet, outlet, overflow and washing pipes should be GI pipe with thickness of 3mm and adjusted according to site condition.



**Note:**  
Footing Reinforcement need installed in two layer with same specification

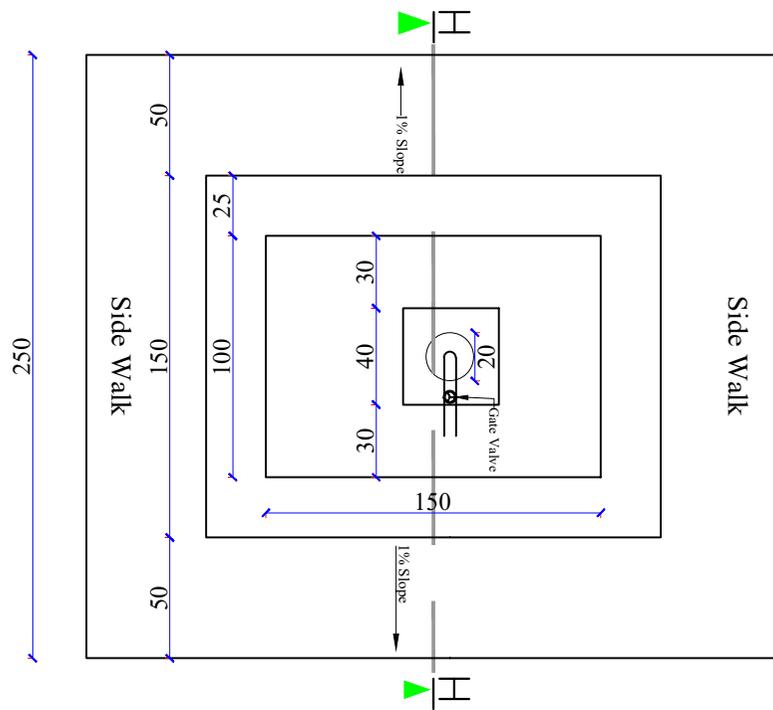
 TIS AFGHANISTAN MEDAIR WASH Development <b>WASH</b>	SURVEYED BY	KHR WASH Team	CHECKED BY	Eng Samiullah Azizi	SCALE	1:XX	SHEET NO. 	PROVINCE	Kandahar	PROJECT NAME Hassanzi WASH Project (AF0240)
	DESIGNED BY	KHR WASH Team	REVIEWED BY	Conner Wingerter	DATE			DISTRICT	Zehrai	
	DRAWN BY	KHR WASH Team	APPROVED BY	Conner Wingerter	DRAWING NO			VILLAGE	Hassanzi	

# Plan of Stand Tap

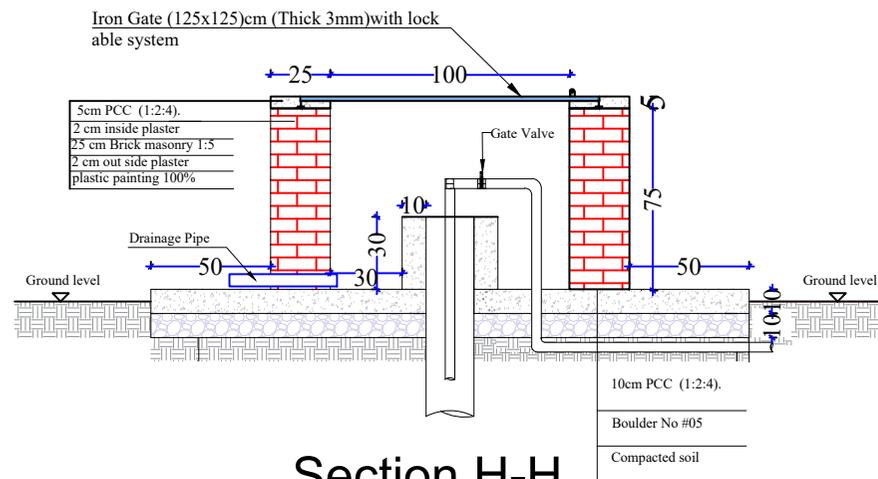
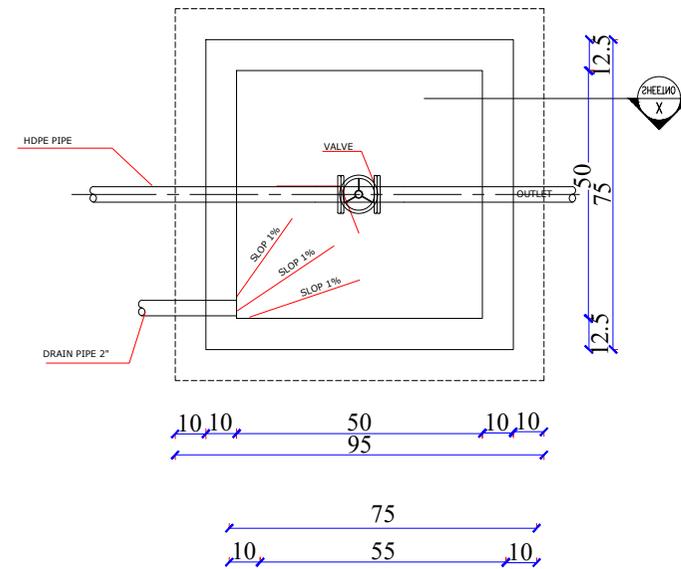


<p>TIS AFGHANISTAN MEDAIR WASH Development</p> <p><b>WASH</b></p>	SURVEYED BY	KHR WASH Team	CHECKED BY	Eng Samiullah Azizi	SCALE	1:XX	SHEET NO. 	PROVINCE	Kandahar	PROJECT NAME	Hassanzi WASH Project (AF0240)
	DESIGNED BY	KHR WASH Team	REVIEWED BY	Conner Wingarter	DATE			DISTRICT	Zehrai	DRAWING TITLE	Stand Post (STP) Design and Drawing
	DRAWN BY	KHR WASH Team	APPROVED BY	Conner Wingarter	DRAWING NO.			VILLAGE	Hassanzi		

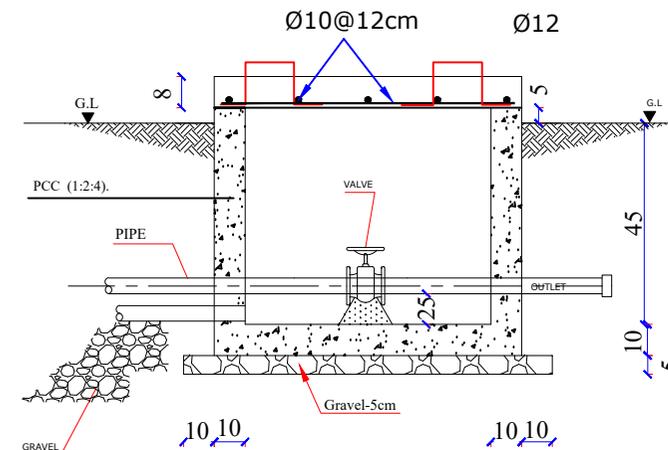
# Plan of Well Protection



# Plan of Stand tap Value Box

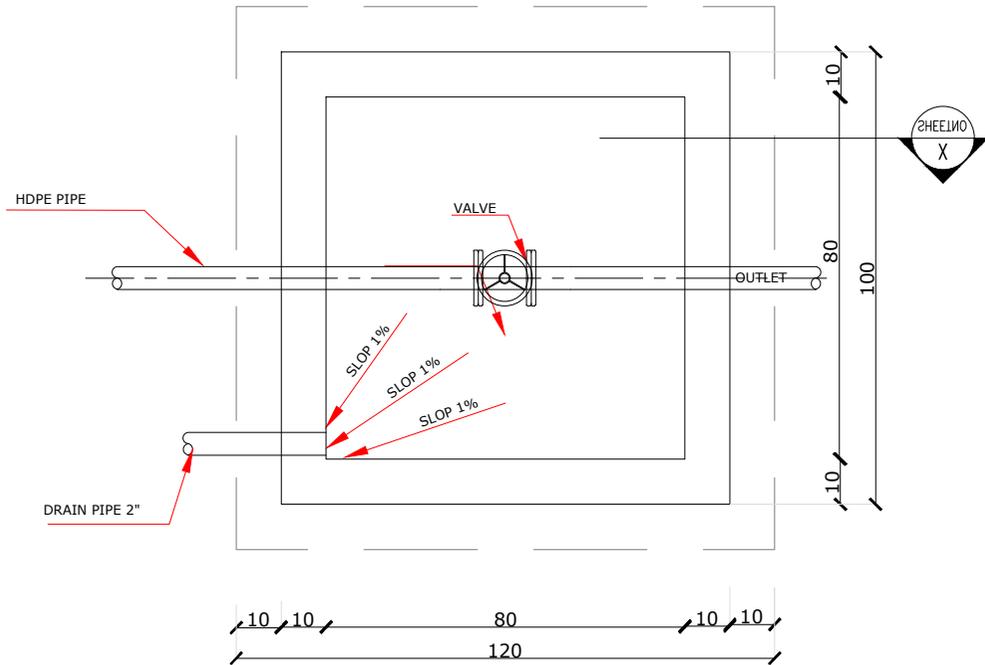


Section H-H

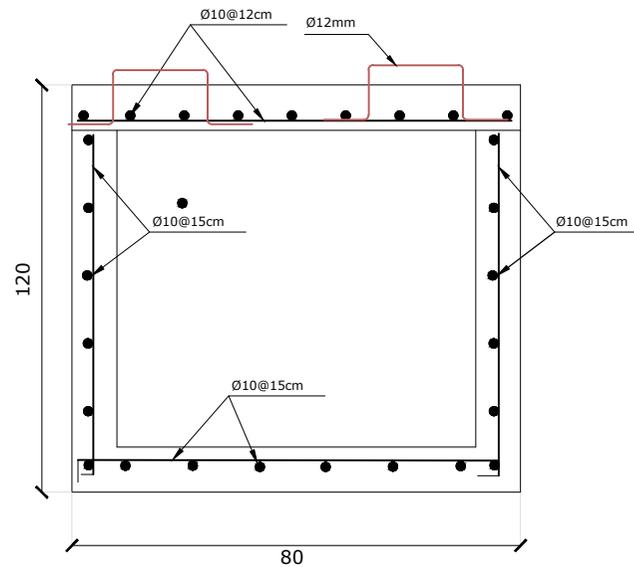
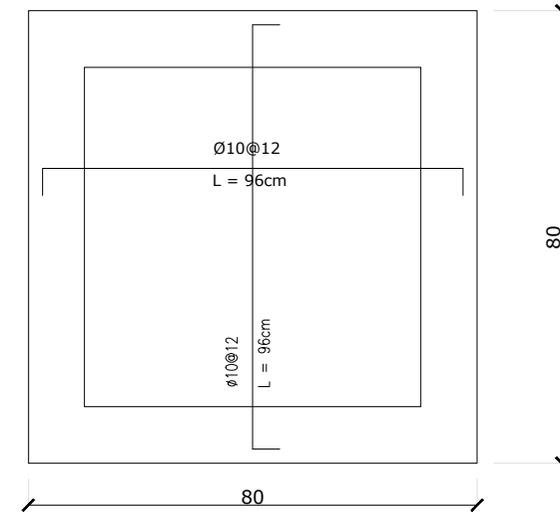


<p>TIS AFGHANISTAN MEDAIR WASH Development</p> <p><b>WASH</b></p>	SURVEYED BY	KHR WASH Team	CHECKED BY	Eng Samiullah Azizi	SCALE	1:XX	<p>SHEET NO.</p> <p>5/11</p>	PROVINCE	Kandahar	PROJECT NAME	Hassanzi WASH Project (AF0240)
	DESIGNED BY	KHR WASH Team	REVIEWED BY	Conner Wingert	DATE			DISTRICT	Zehrai	DRAWING TITLE	Well Protection Box Design and Drawing
	DRAWN BY	KHR WASH Team	APPROVED BY	Conner Wingert	DRAWING NO			VILLAGE	Hassanzi		

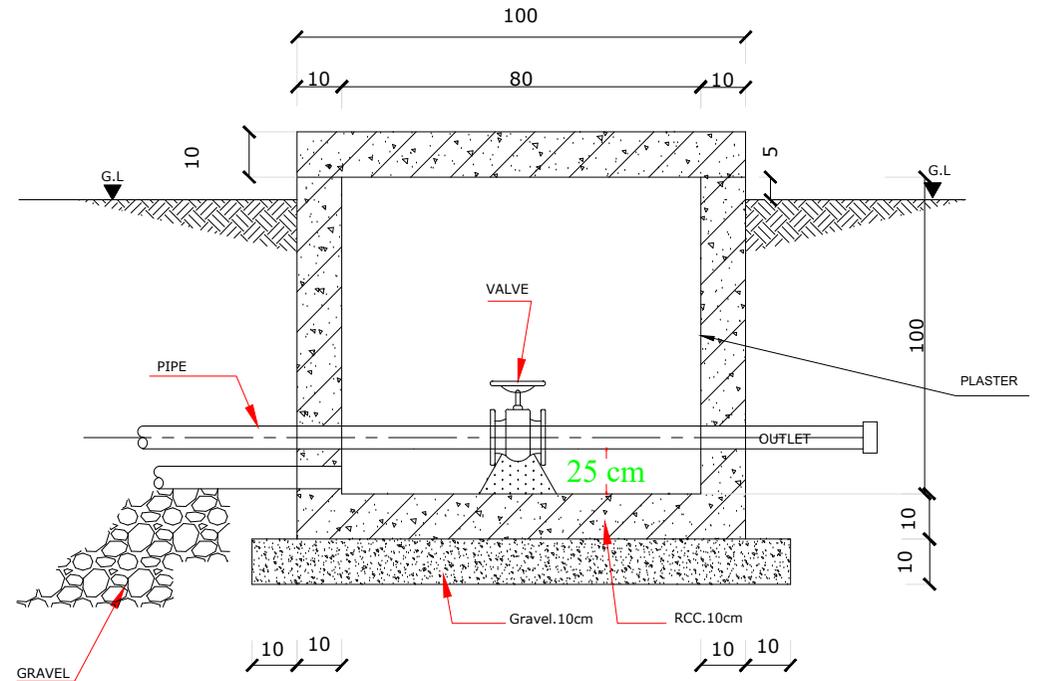
# PLAN OF VALVE BOX



## SLAB REINFORCEMENT

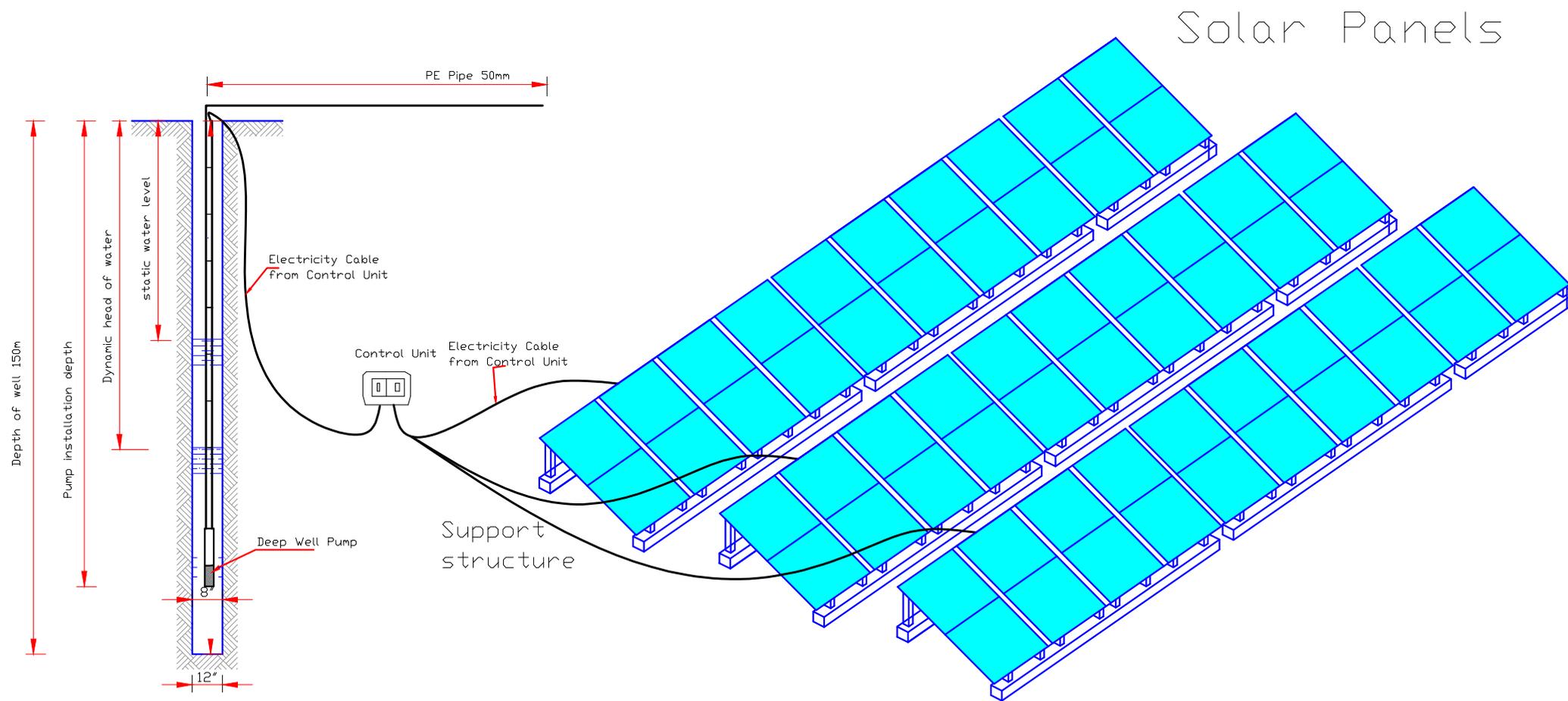


REINFORCEMENT DETAIL



<p>TIS AFGHANISTAN MEDAIR WASH Development</p> <p><b>WASH</b></p>	SURVEYED BY	KHR WASH Team	CHECKED BY	Eng Samiullah Azizi	SCALE	1:XX	SHEET NO. 	PROVINCE	Kandahar	PROJECT NAME	Hassanzi WASH Project (AF0240)
	DESIGNED BY	KHR WASH Team	REVIEWED BY	Conner Wingerter	DATE			DISTRICT	Zehrai	DRAWING TITLE	Valve Box Design and Drawing
	DRAWN BY	KHR WASH Team	APPROVED BY	Conner Wingerter	DRAWING NO			VILLAGE	Hassanzi		

Typical Site plan of Solar pump system

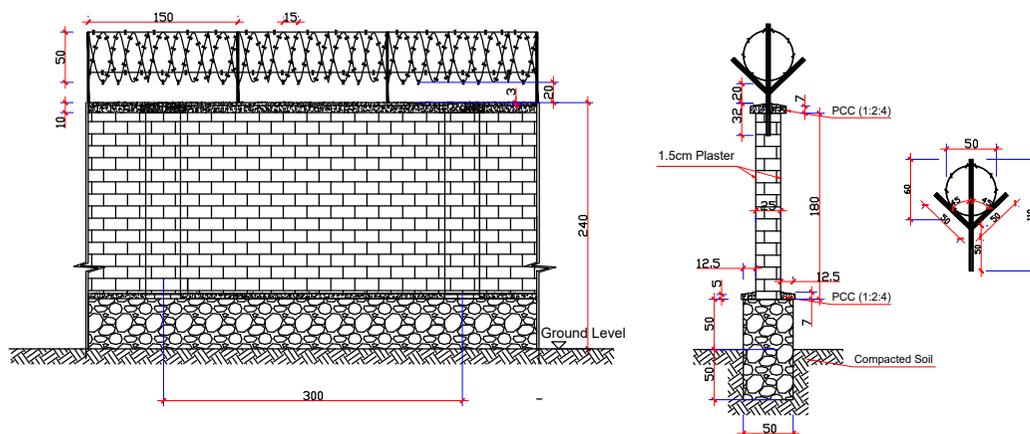
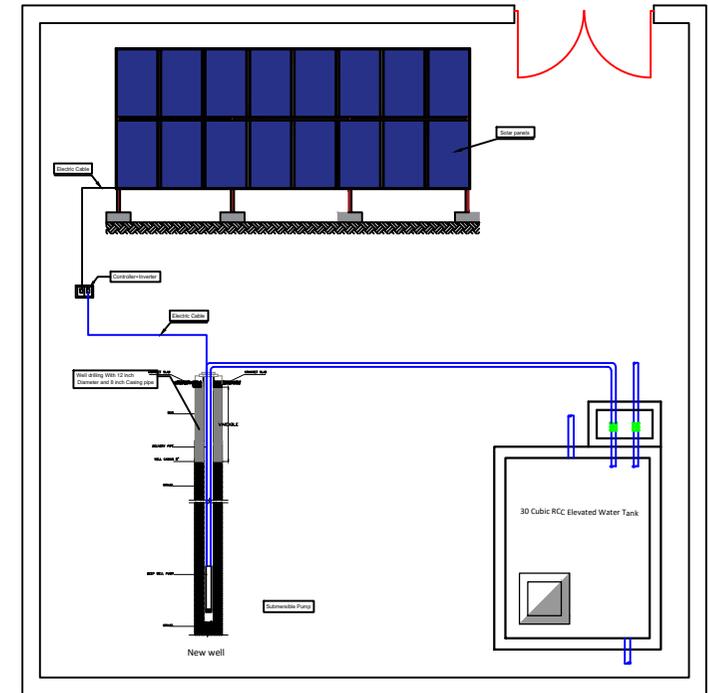


**Note:**

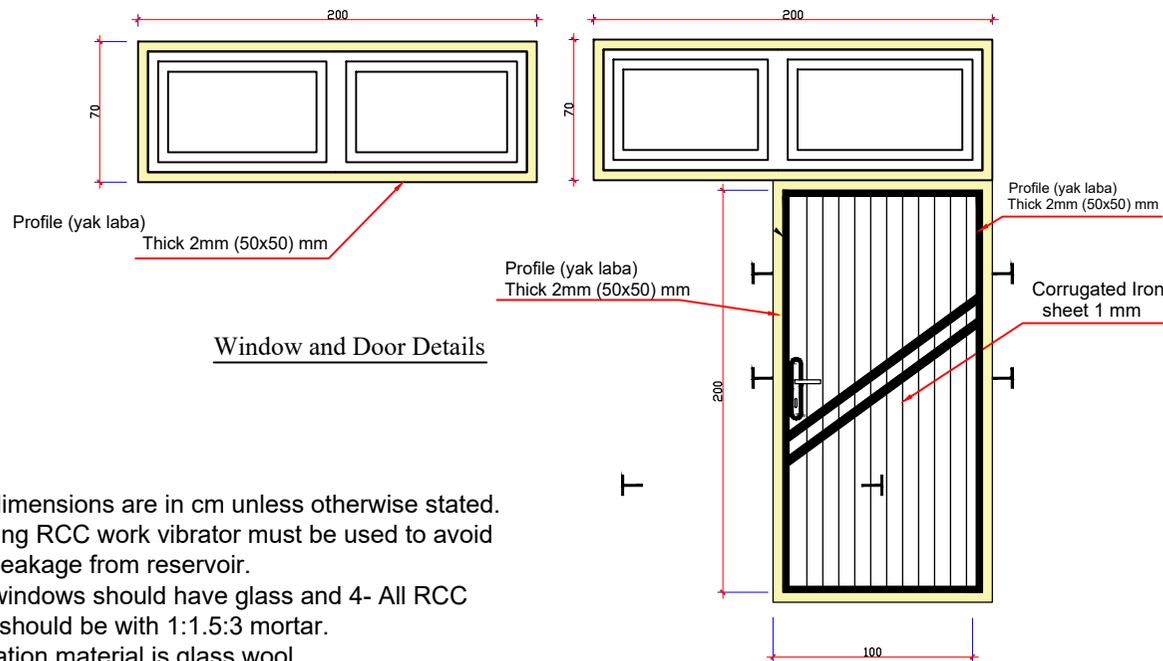
Drilling of well with solar pump for Drinking

 TIS AFGHANISTAN MEDAIR WASH Development  	SURVEYED BY	KHR WASH Team	CHECKED BY	Eng Samiullah Azizi	SCALE	1:XX	SHEET NO. 	PROVINCE	Kandahar	PROJECT NAME	Hassanzi WASH Project (AF0240)
	DESIGNED BY	KHR WASH Team	REVIEWED BY	Conner Wingarter	DATE			DISTRICT	Zehrai	DRAWING TITLE	Solar Panels and Deep Well Design
	DRAWN BY	KHR WASH Team	APPROVED BY	Conner Wingarter	DRAWING NO			VILLAGE	Hassanzi		

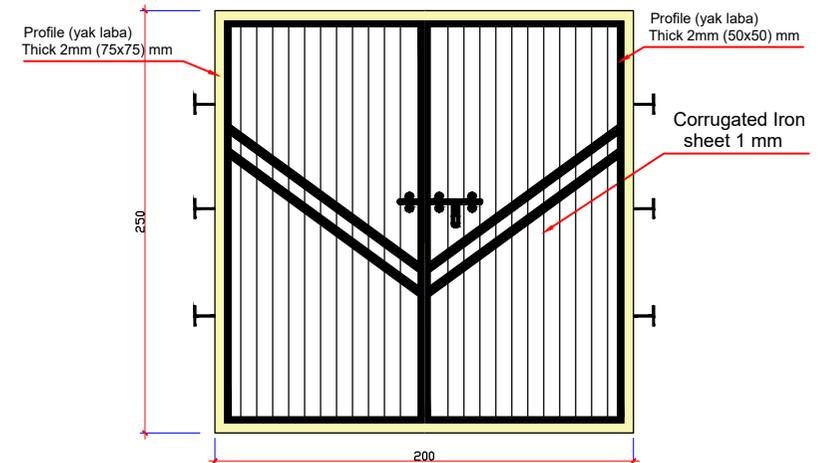
## Site Sketch



Boundary Wall Details



Window and Door Details



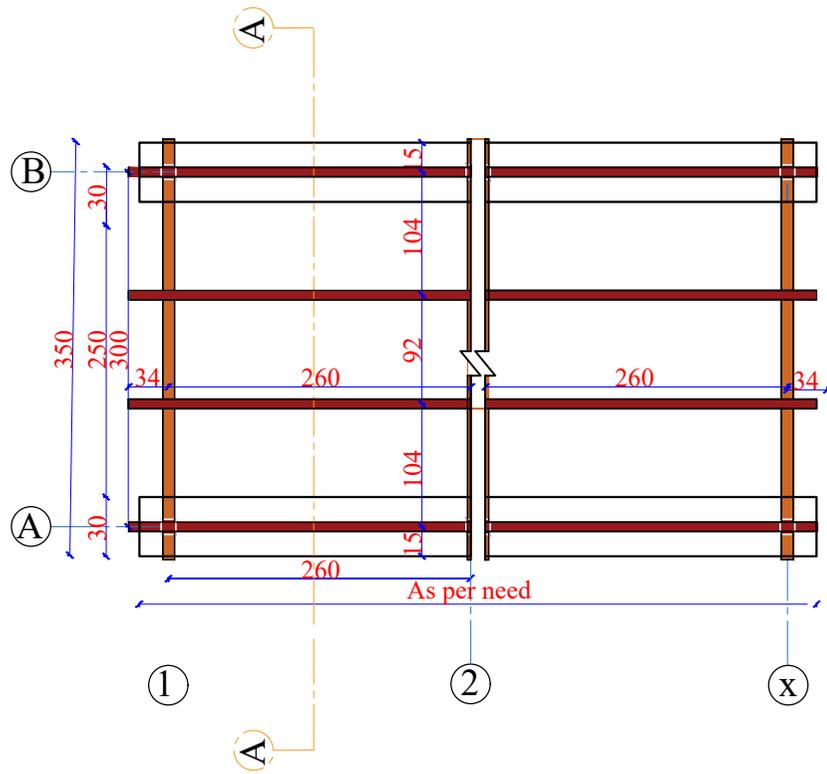
Main Gets of Boundry Wall Details

### Note:

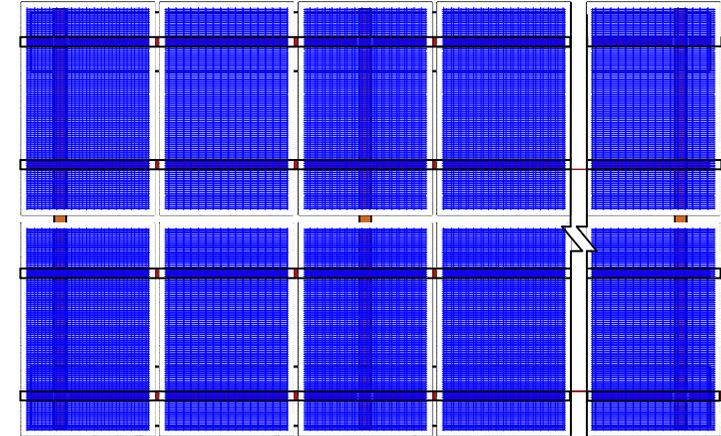
- 1- All dimensions are in cm unless otherwise stated.
- 2- During RCC work vibrator must be used to avoid water leakage from reservoir.
- 3- All windows should have glass and 4- All RCC works should be with 1:1.5:3 mortar.
- 5- Isolation material is glass wool.
- 7- Curing must be continued upto 28 days.
- 8- Clear and Clean water must be used every where.

 TIS AFGHANISTAN MEDAIR WASH Development  	SURVEYED BY	KHR WASH Team	CHECKED BY	Eng Samiullah Azizi	SCALE	1:XX	SHEET NO. 	PROVINCE	Kandahar	PROJECT NAME Hassanzi WASH Project (AF0240)
	DESIGNED BY	KHR WASH Team	REVIEWED BY	Conner Wingerter	DATE			DISTRICT	Zehrai	
	DRAWN BY	KHR WASH Team	APPROVED BY	Conner Wingerter	DRAWING NO			VILLAGE	Hassanzi	

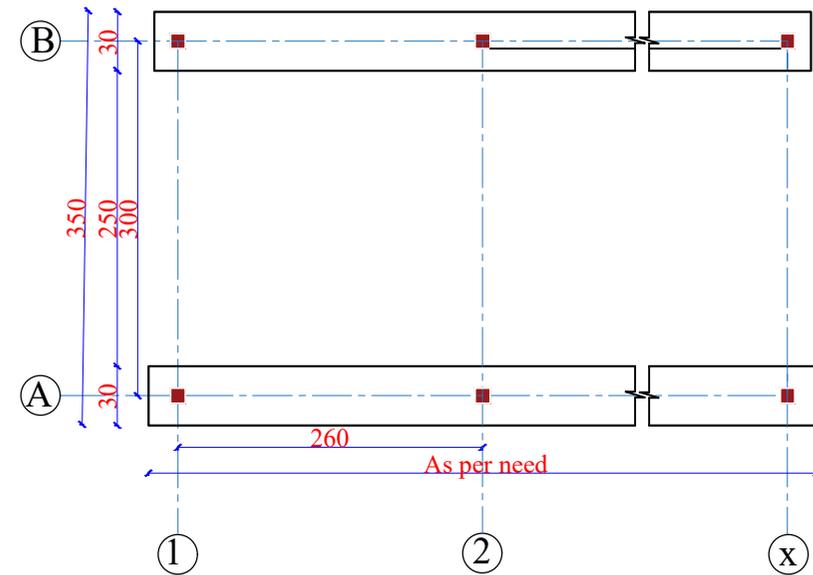
Top View of Frame & Foundation



Top View of 5KW Solar Array



P.C.C Foundation of Solar Panel

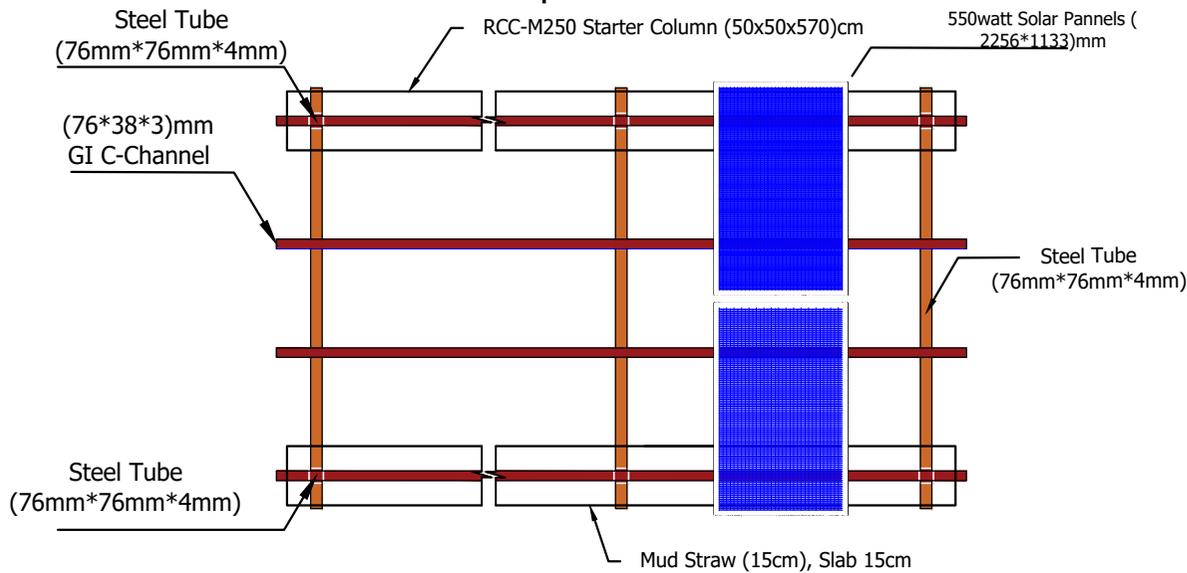


**Note:**

- 1- All dimensions are in cm unless otherwise stated.
- 2- During RCC work vibrator must be used to avoid.
- 3- Solar supporting structure's dimensions are variable with respect to actual work.
- 4- All RCC works should be with 1:1.5:3 mortar.
- 5- Isolation material is glass wool.
- 6- Curing must be continued upto 28 days.
- 7- Clear and Clean water must be used every where.

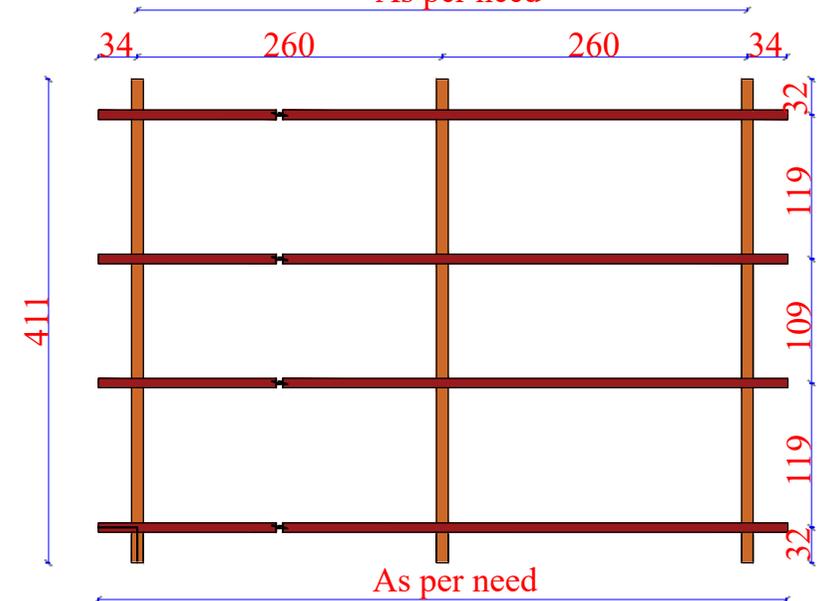
 TIS AFGHANISTAN MEDAIR WASH Development  	SURVEYED BY	KHR WASH Team	CHECKED BY	Eng Samiullah Azizi	SCALE	1:XX	SHEET NO. 	PROVINCE	Kandahar	PROJECT NAME	Hassanzi WASH Project (AF0240)
	DESIGNED BY	KHR WASH Team	REVIEWED BY	Conner Wingerter	DATE			DISTRICT	Zehrai	DRAWING TITLE	Solar Panels Stand or Support Structure
	DRAWN BY	KHR WASH Team	APPROVED BY	Conner Wingerter	DRAWING NO			VILLAGE	Hassanzi		

## Top View Solar Panel with Frame Specification

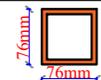
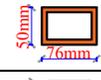
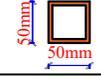
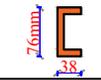
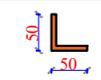


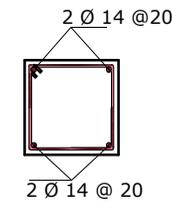
## Length of Each Top Support Beams from Steel

As per need

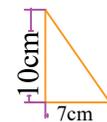


## Steel Required for Solar Mounting Structure

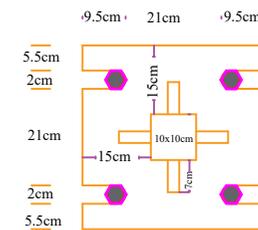
Materials	Item	Description	Shape
Iron Steel	Tube (Box)	TUB30303	
Iron Steel	Tube (Box)	TUB30203	
Iron Steel	Tube (Box)	TUB20203	
G.I. Steel	Channel	C3X6	
Iron Steel	L. Irone	L20208	



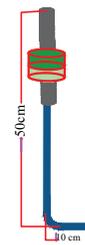
SECTION (O-O)



Column Fixing Side Iron Sheet

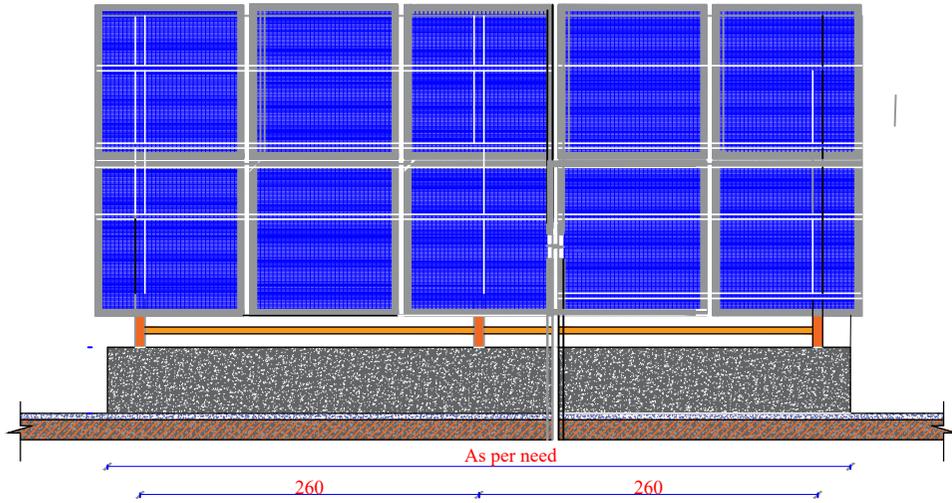


Column Fixing Iron Sheet

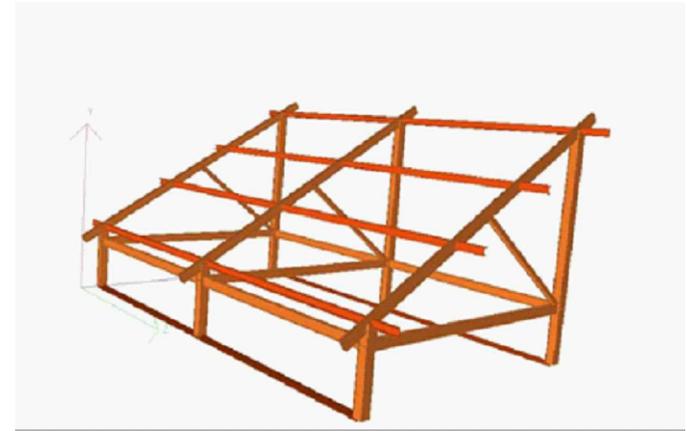


Anchor Bolt Details

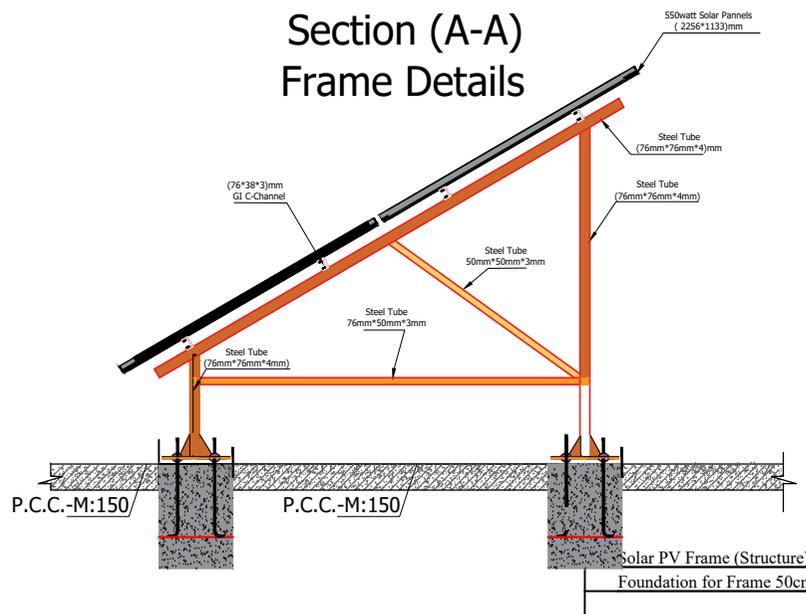
# Front View 5KW Solar Array



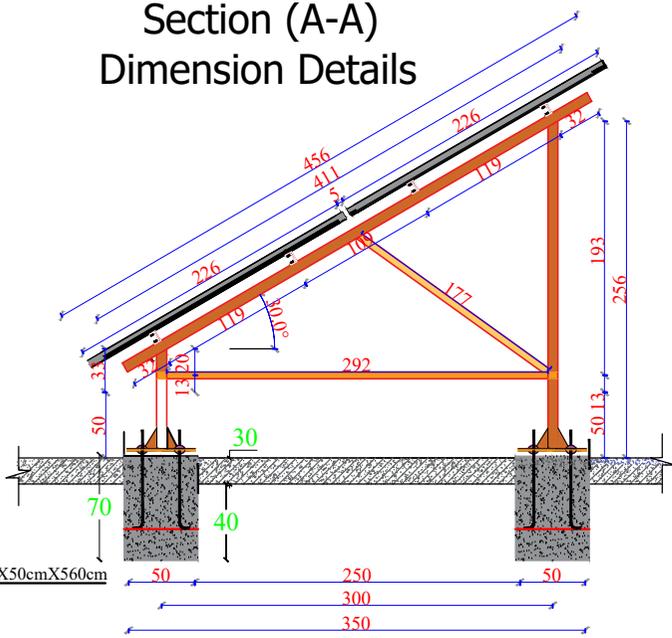
# 3D Model From Design File



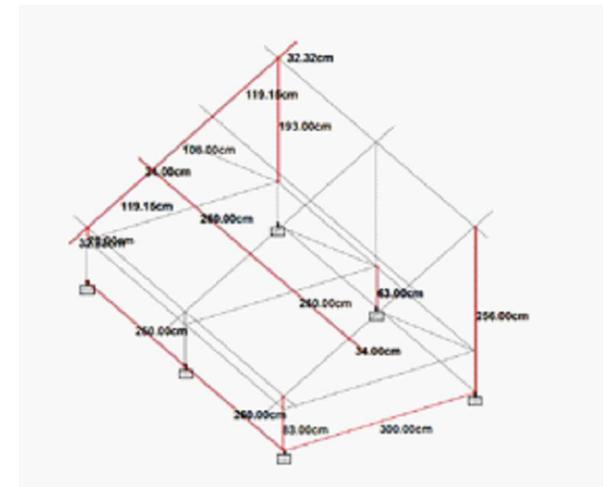
## Section (A-A) Frame Details



## Section (A-A) Dimension Details



## 3D Model Dimension From Design File



 TIS AFGHANISTAN MEDAIR WASH Development  	SURVEYED BY	KHR WASH Team	CHECKED BY	Eng Samiullah Azizi	SCALE	1:XX	SHEET NO. 	PROVINCE	Kandahar	PROJECT NAME Hassanzi WASH Project (AF0240)
	DESIGNED BY	KHR WASH Team	REVIEWED BY	Conner Wingerter	DATE			DISTRICT	Zehrai	
	DRAWN BY	KHR WASH Team	APPROVED BY	Conner Wingerter	DRAWING NO			VILLAGE	Hassanzi	DRAWING TITLE Solar Panels Stand or Support Structure