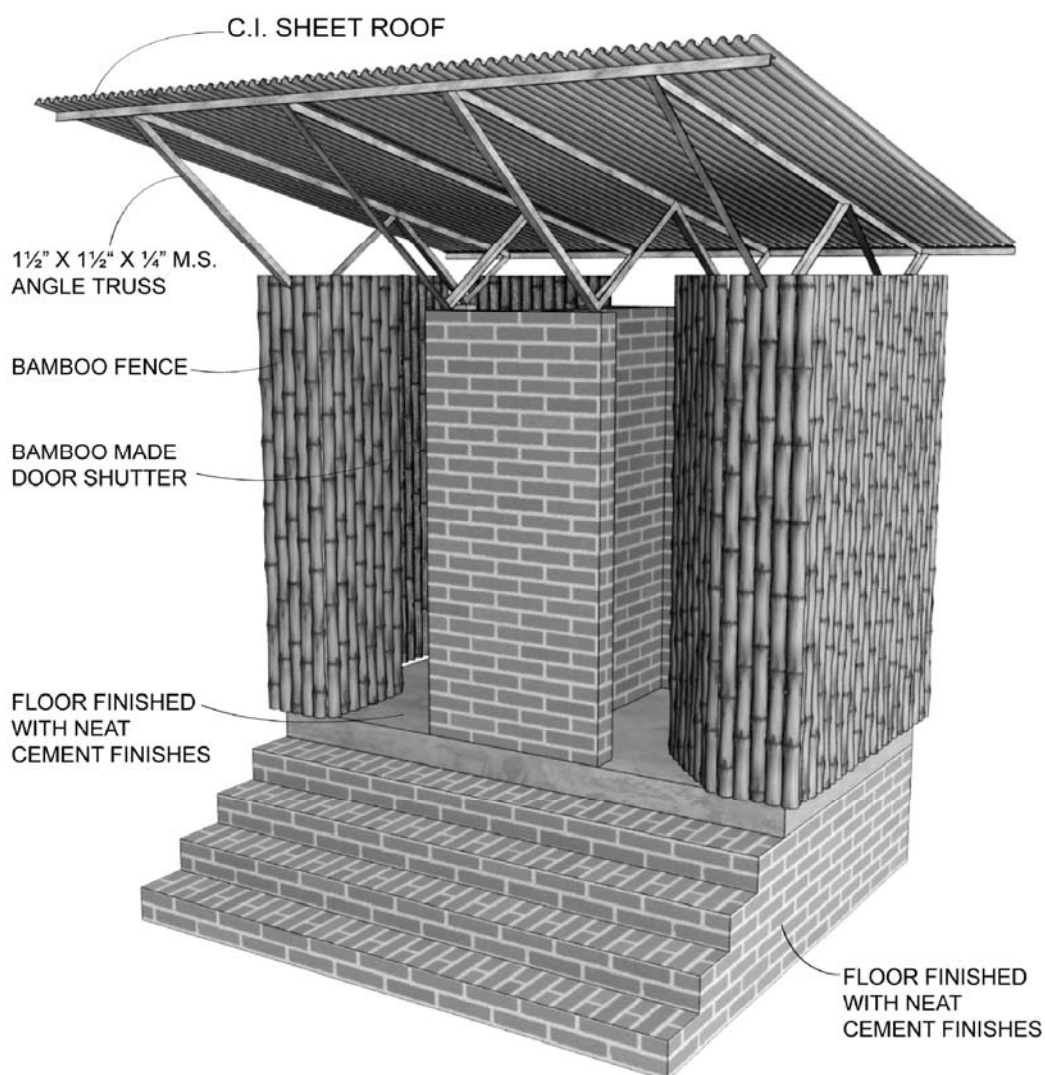


23

DOUBLE RESTROOM COMFORT STATION

Axonometric View.



NISHORGO SUPPORT PROJECT
&
DEPT. OF FOREST GOB.

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SCALE : NOT TO SCALE

DRAWN : SHAMEEM

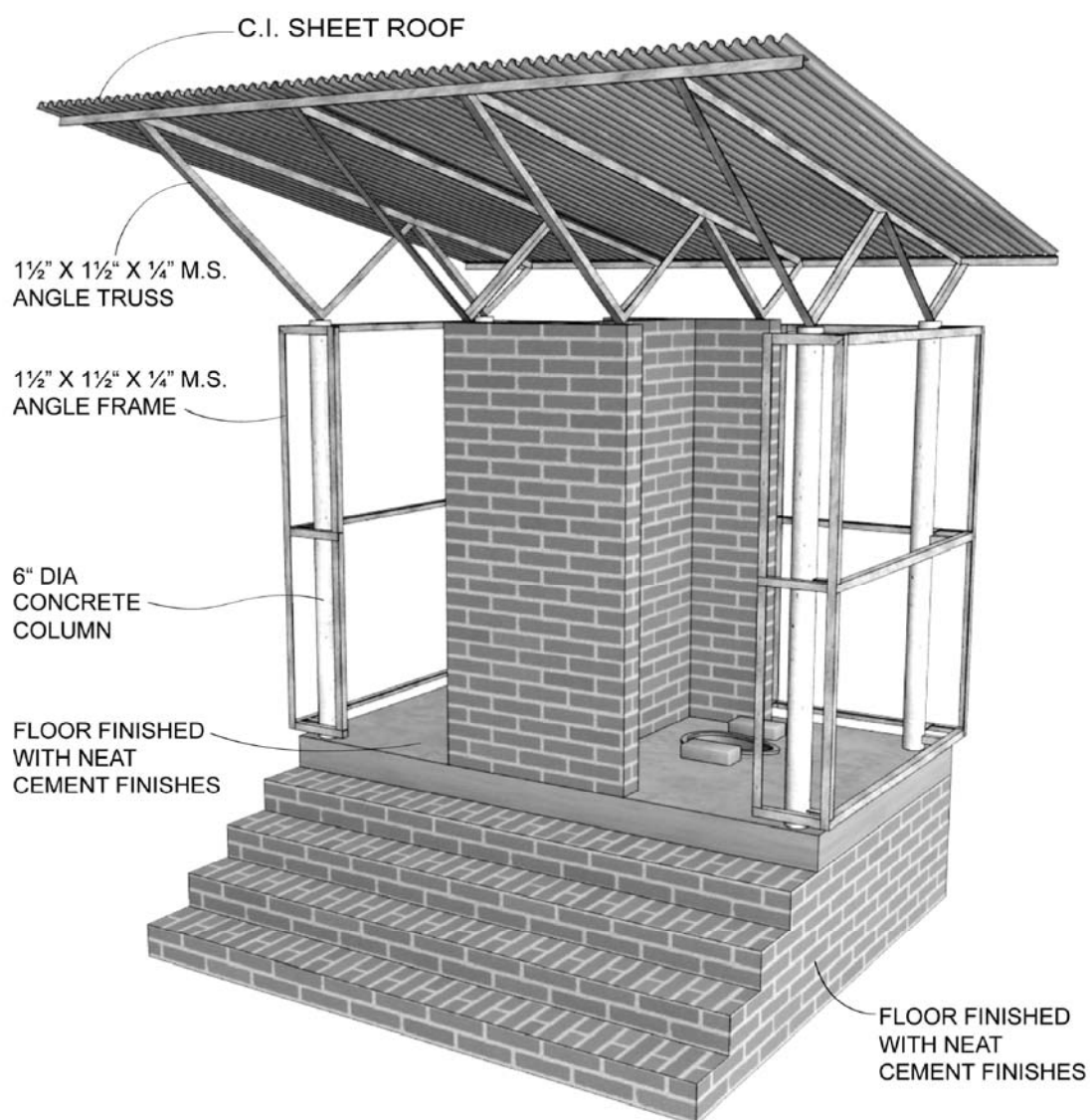
DATE : MARCH, 2007.

SHEET NO : 23 a

23

DOUBLE RESTROOM COMFORT STATION

Axonometric View.



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SCALE : NOT TO SCALE

DRAWN : SHAMEEM

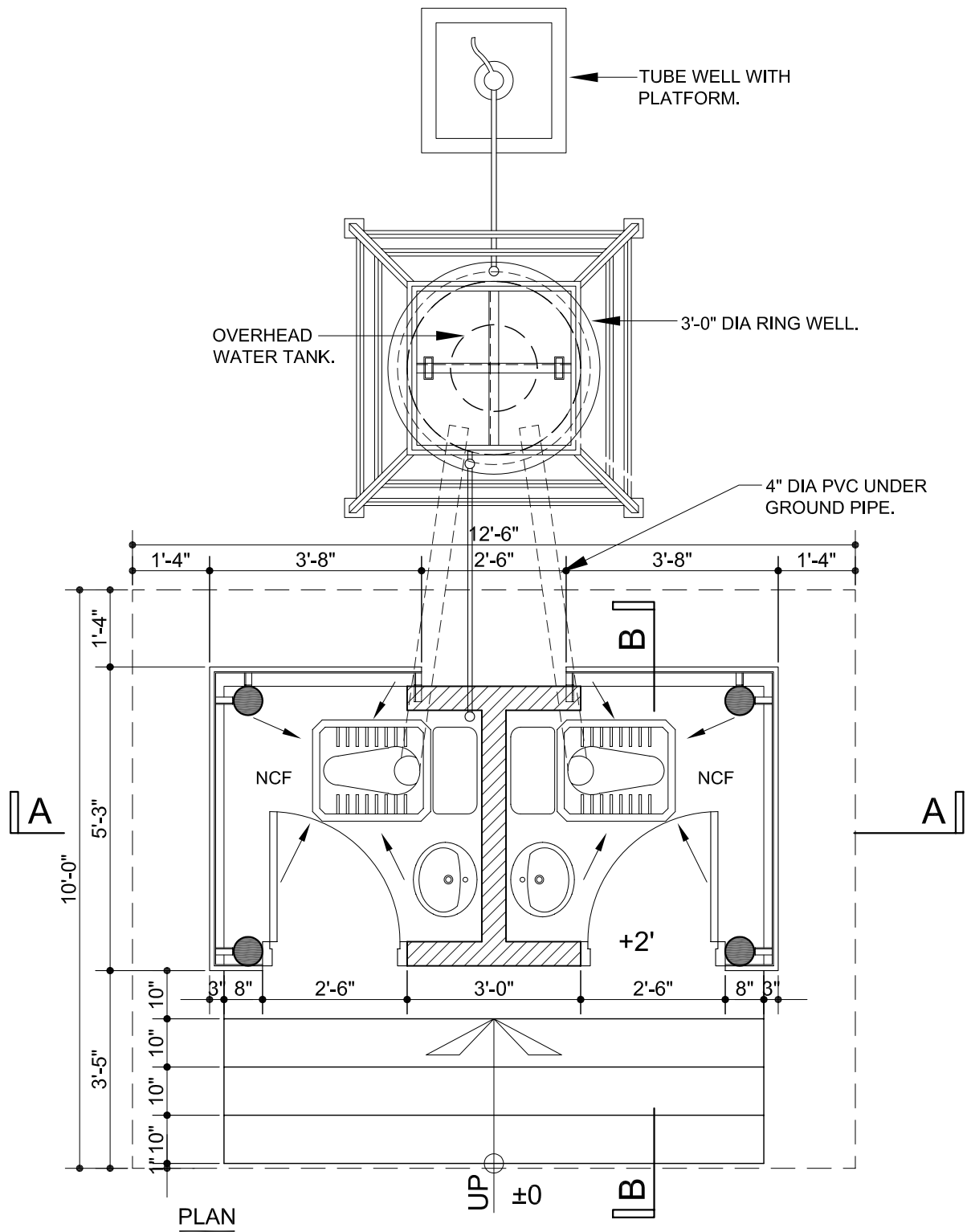
DATE : MARCH, 2007.

SHEET NO : 23 b

23

DOUBLE RESTROOM COMFORT STATION

Design Drawings.



NISHORGO SUPPORT PROJECT
&
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SCALE : 3/8" = 1'-0"

DRAWN : SHAMEEM

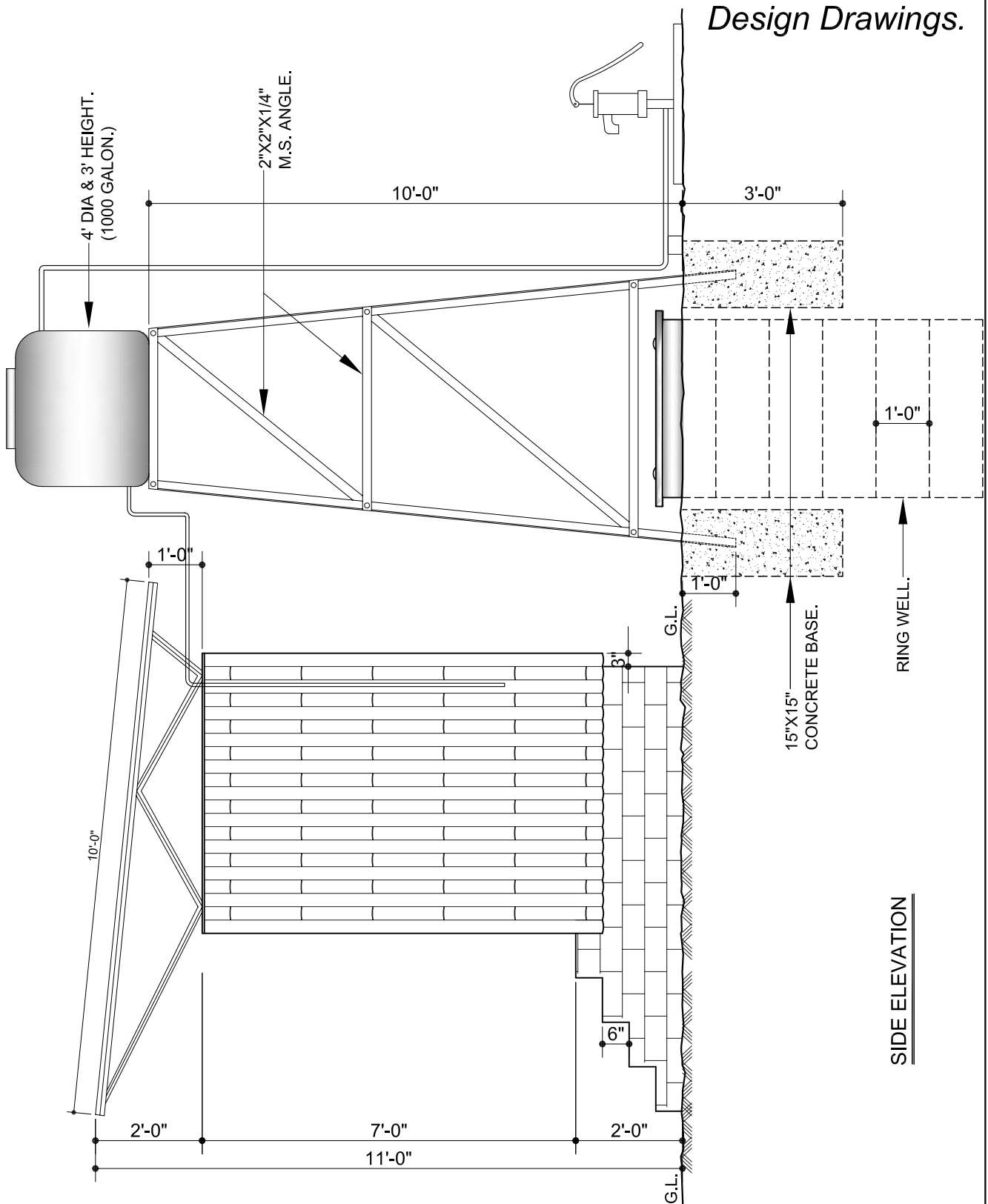
DATE : MARCH, 2007.

SHEET NO : 23 c

23

DOUBLE RESTROOM COMFORT STATION

Design Drawings.



NISHORGO SUPPORT PROJECT
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SCALE : 3/8" = 1'-0"

DRAWN : SHAMEEM

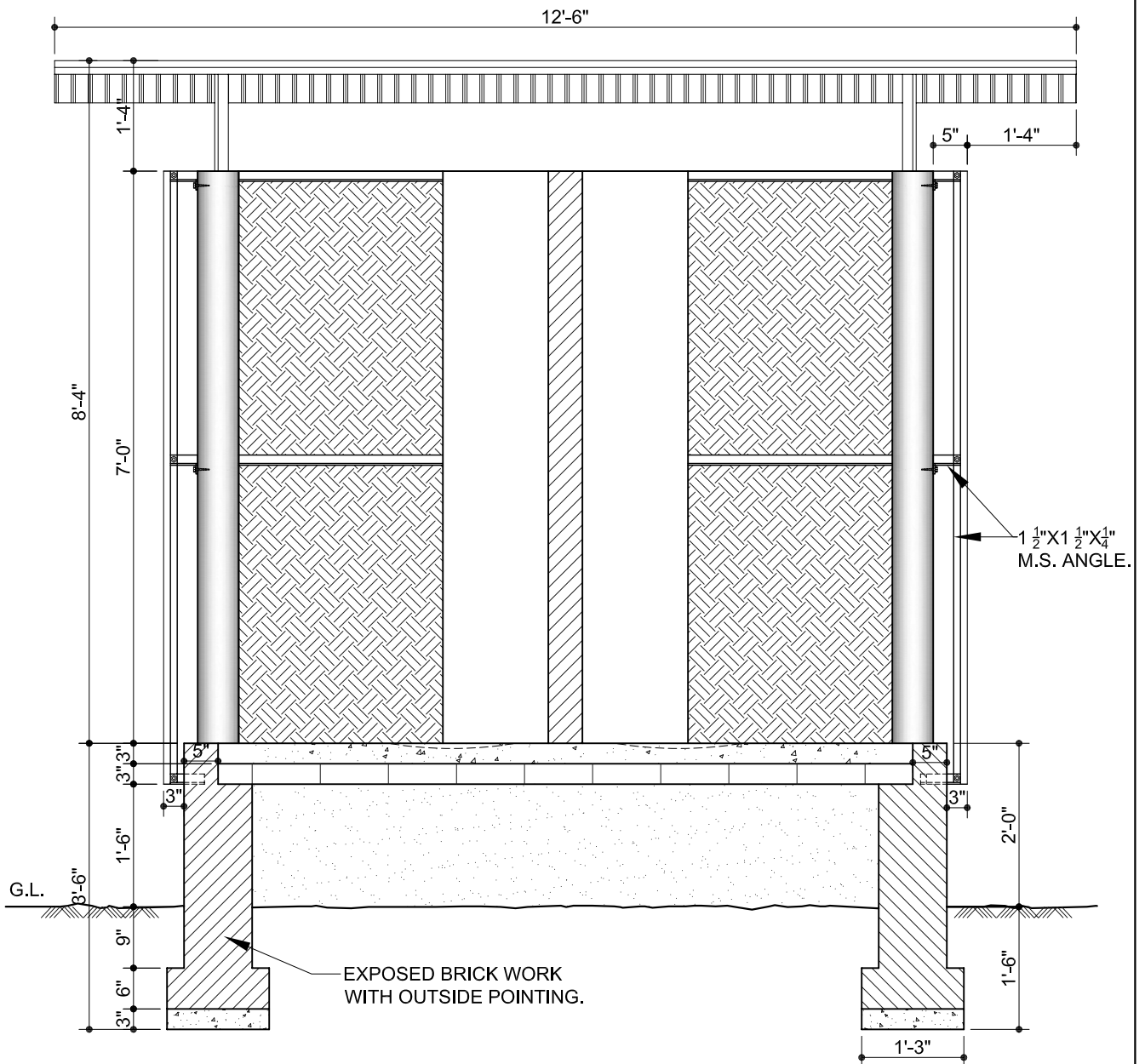
DATE : MARCH, 2007.

SHEET NO : 23 d

23

DOUBLE RESTROOM COMFORT STATION

Design Drawings.



SECTION - A:A



NISHORGO SUPPORT PROJECT
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SCALE : 1/2" = 1'-0"

DRAWN : SHAMEEM

DATE : MARCH, 2007.

SHEET NO : 23 e

Technical Data and Specifications

Components Required for 1 No :

Description	Characteristics	Unit	Dimensions		
			Height	Length	Width
Mass concrete (1:3:6) under foundation and plinth	a) Below wall	1 No.	3"	28'-8"	1'-3"
	b) Below step	1 No.	3"	9'-4"	3'-4"
	c) In plinth/ floor	1 No.	3"	9'-4"	5'-0"
1st Class Brick work in foundation	a) Wall	1 No.	6"	28'-8"	1'-3"
		1 No.	2'-6"	28'-8"	0'-10"
	b) Step	1 No.	9"	9'-4"	3'-4"
		1 No.	6"	9'-4"	2'-6"
		1 No.	6"	9'-4"	1'-8"
		1 No.	6"	9'-4"	10"
Sand filling in plinth	Local fine Sand (F.M. 0.80)	1 No.	1'-6"	7'-8"	3'-4"
One layer of Brick flat soling in floor/ plinth	1st class brick flat soling	1 No.	3"	7'-8"	3'-4"
1st Class Exposed Brick work in superstructure	1st Class Brick work with cement sand mortar (1:4)	2 Nos.	7'-0"	3'-0"	5"
		1 No.	7'-0"	4'-0"	5"
Plaster work with cement sand mortar (1:6)	a) In wall	2 Nos.	7'-0"	7'-6"	½"
	b) In post	4 Nos.	7'-0"	1'-7"	½"
Plaster work with NCF	a) In floor	1 No.	½"	8'-6"	4'-0"
	b) In plinth (out)	1 No.	6"	28'-8"	½"
Ruled pointing work (1:2)	In plinth wall (outside)	1 No.	2'-0"	32'-0"	-
Concrete vertical post	Pre-cast RCC member	4 Nos.	10'-3"		6" dia
Ruled Pointing work	In superstructure wall (outside)	2 Nos.	7'-0"	3'-0"	
Steel work	a) Roof Truss : 1.5" x 1.5" x ¼" M.S. Angle for 2 Nos. Truss	2 Nos.	1.5"	10'-0"	1.5"
		2 Nos.	1.5"	4'-6"	1.5"
		2 Nos.	1.5"	2'-9"	1.5"
		2 Nos.	1.5"	2'-6"	1.5"
		2 Nos.	1.5"	1'-6"	1.5"
	Cleat with M.S. angle	8 Nos.	1.5"	1.5"	1.5"
		4 Nos.	11'-4"	11.25"	1.5"
		4 Nos.	3/8"	5"	5"
	b) For wall frame – Door	4 Nos.	7'-0"	1.5"	1.5"
		2 Nos.	1.5"	2'-6"	1.5"
	For Bamboo fence	8 Nos.	7'-0"	1.5"	1.5"
		6 Nos.	1.5"	9'-0"	1.5"
	c) Water Tank Tower Vertical member (2"x2"x1/4" angle) Horizontal member (-do-) -do- -do-	4 Nos.	11'-0"	2"	2"
		4 Nos.	2"	5'-0"	2"
		4 Nos.	2"	4'-6"	2"
		6 Nos.	2"	4'-0"	2"
Roofing	Corrugated Iron sheet	1 No.	1.5"	12'-6"	10'-0"
Bamboo Fence	a) Outer wall	2 Nos.	7'-0"	9'-0"	0'-1"
	b) Door shutter	2 Nos.	7'-0"	2'-6"	0'-1"

Technical Data and Specifications

Components Required for 1 No : (contd...)

Description	Characteristics	Unit	Dimensions		
			Height	Length	Width
Tarja Fence	a) Inside fence – outer wall	2 Nos.	7'-0"	9'-0"	¼"
	b) Door Shutter	2 Nos.	7'-0"	2'-6"	¼"
Painting	Berger or equivalent paint	1 Lot			
Concrete base for water tank tower	Cement Concrete (1:2:4)	4 Nos.	3'-0"	1'-3"	1'-3"
Water Tank – 1000 litre capacity	Gazi Plastic Tank	1 No.	3'-0"		4'-0" dia
1.5" dia Deep Set Hand Tube-well	Deep Set Hand Tube-well	1 No.			
Tube well platform	Soling, C.C., 5" brick wall & plaster with NCF	1 No.	0'-6"	3'-0"	3'-0"
Sanitary & Plumbing works	A) Sanitary & Plumbing fittings –				
	(i) Long Pan	2 Nos.			
	(ii) Low-down	2 Nos.			
	(iii) Wash Hand Basin	2 Nos.			
	(iv) Bib Cock	2 Nos.			
	(v) Pillar Cock	2 Nos.			
	B) Plumbing Works –				
	(i) 1.5"/ 2" dia uPVC Pipe	1 No.		8'-0"	
	(ii) 4" dia uPVC pipe	2 Nos.		7'-0" each	
	(iii) ½" dia G.I. pipe	2 Nos.		10'-0" each	
	(iv) ¾" dia G.I. pipe	2 Nos.		6'-0" each	
	(v) 1" dia G.I. pipe	1 No.		15'-0"	
	(vi) 1" dia G.I. pipe	1 No.		22'-0"	
	(vii) 1.5" dia G.I. pipe (tube-well)	1 No.		5'-0"	
	(viii) 1.5" dia uPVC pipe (-do-)	1 No.		1000'-0"	
	C) Ring well	1 No.	10'-0"		3'-0" dia

Summary of Materials :

Fit out Parts	Type of Materials	Nos.	Volume		Weight	Long
			M³	(p.m.p.)	(Kg)	(mm)
Cement	Portland Cement				870	
Aggregate	Stone chips (1/2" down graded)		0.23			
Aggregate	Brick chips (3/4" down graded)		1.33			
Coarse Sand	Sylhet Sand F.M. – 2.50		0.12			
Medium Sand	Local Sand (F.M. – 1.50)		2.31			
Brick	1 st Class Brick	2000				
Steel work	1.5" x 1.5" x ¼" M.S. angle				261.00	
	2" x 2" x ¼" M.S. angle				154.00	
Reinforcement	40 grade M.S. steel				50.00	

Technical Data and Specifications

Summary of Materials : (conted....)

Fit out Parts	Type of Materials	Nos.	Volume		Weight	Long
			M ³	(p.m.p.)	(Kg)	(mm)
C.I. sheet	Corrugated Iron Sheet	6 Nos.				10'-0" each
Bamboo	Bamboo for fence (1.5" dia)	192 Nos.				7'-0" each
Tarja Fence	Bamboo tarja		15.00 M ²			
Overhead Water Tank	Gazi Food Grain Plastic water tank. (Capacity 1000 liter)	1 No.				
Hand Tube-well	Deep set Hand Tube-well (1.5" dia) including platform	1 set				
Ring well for soak pit	Concrete ring well	1 set				
Pump with motor	2 HP Pump with Motor	1 set				
Painting works	Synthetic Enamel Painting to M.S. Truss & C.I. Sheet	1 Item				

Specifications :

1. Concrete should be poured in proportion 1:1.5:3 (Cement : Sand : Stone chips)
2. For concrete (1:1.5:3) 12mm down graded stone chips should be used.
3. Sand and chips should be washed with pure water properly before used.
4. The concrete should be softened before compaction for leveling. Necessary water may used at the time of compaction.
5. The level of concrete should be maintained properly.
6. Water cement ratio should be properly maintained.
7. Reinforcing bar to be used in concrete should be rust free.
8. All Bamboos should be well matured.
9. Lapping of C.I. sheet roofing should keep 6" per lap.
10. All M.S. angle, flat bar & sheet works should be rust free & painted.