

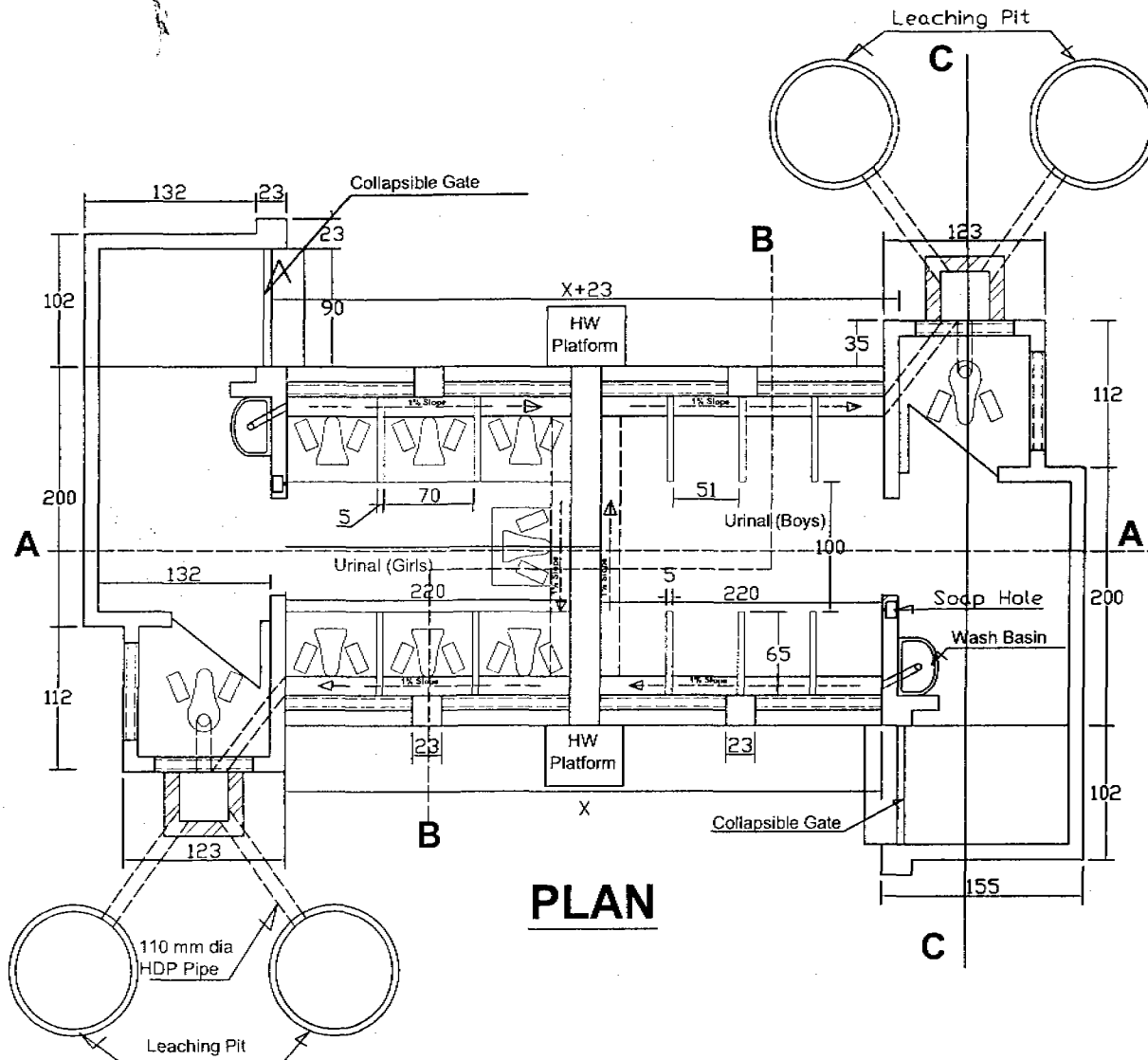
School Sanitation and Hygiene Education
Programme

School Toilet/Urinal Design and Drawing

UNICEF, Nepal
March, 2006

824-06Sc-19274

**School Toilet/Urinal
Design
and
Drawing**



PLAN

Note:-

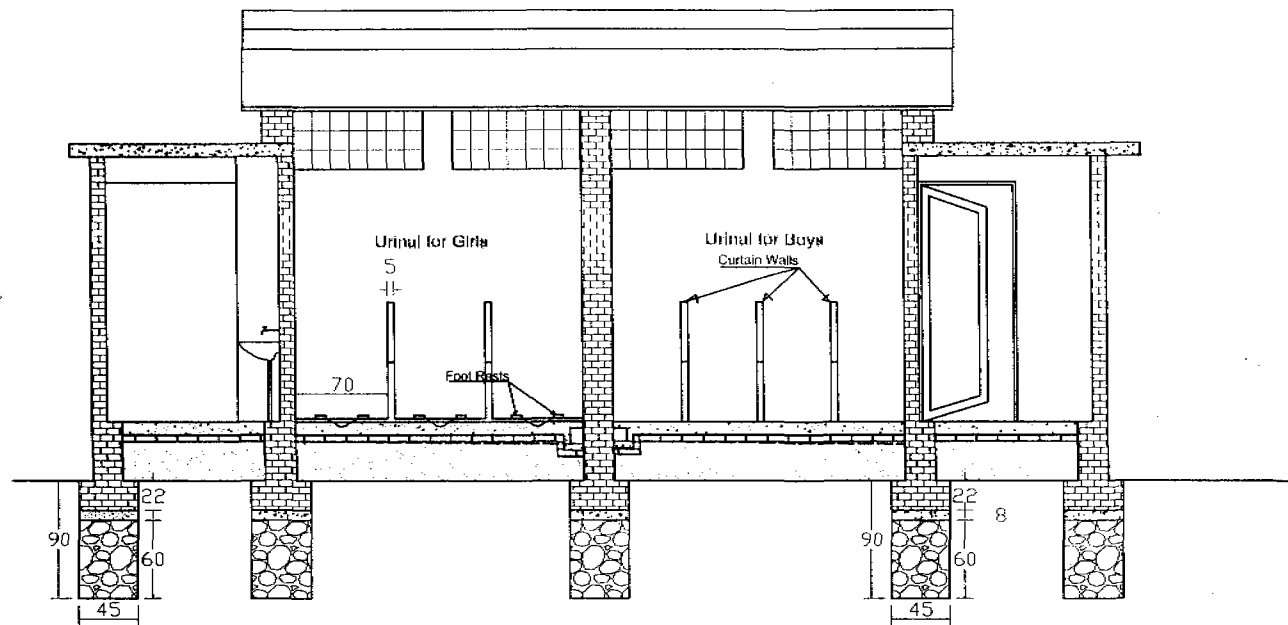
- A. Opening Details**
- 1. Doors (D) 75 x 180 cm = 2 Nos.
 - 2. Collapsible Gate 90 x 180 cm = 2 Nos.
 - 3. Ventilations (V) 75 x 45 cm = 4 Nos.
98.5 x 45 cm = 8 Nos.

B. Value of X

S.No.	No. of Students	Value of X
1	Up to 200	326.75 cm
2	201 to 400	463.00 cm

All measurements are in centimeters

SCHOOL SANITATION PROGRAMME Water Supply and Sanitation Division Office/UNICEF	Designed By: Yagya Shrestha Consultant, UNICEF	SCHOOL TOILET/URINAL (Capacity: students < 400)	
	Parsa/Chitwan/Nawalparasi/Kapilvastu/Dang	Revised Date: January, 2005	Date: October 14, 2003
			Drg.No.: 1 of 7



SECTION 'A-A'

All measurements are in centimeters

SCHOOL SANITATION PROGRAMME

Water Supply and Sanitation Division
Office/UNICEF

Parsa/Chitwan/Nawalparasi/Kapilvastu/Dang

Designed By:

Yagya Shrestha
Consultant, UNICEF

Revised Date: January, 2005

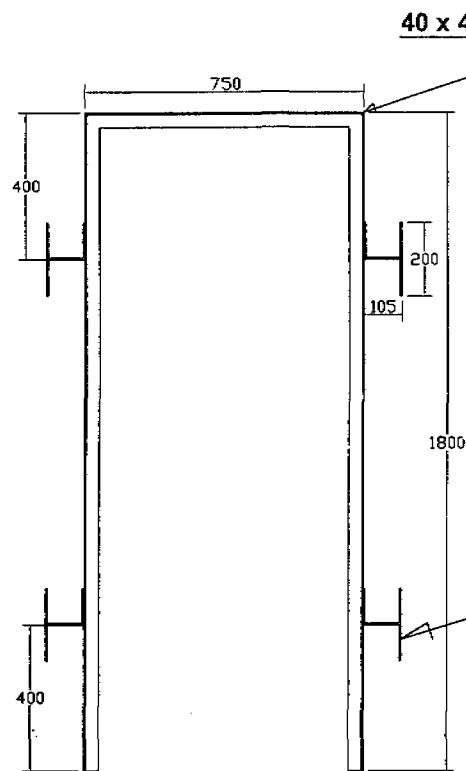
SCHOOL TOILET/URINAL
(Capacity: students < 400)

SECTIONAL VIEW

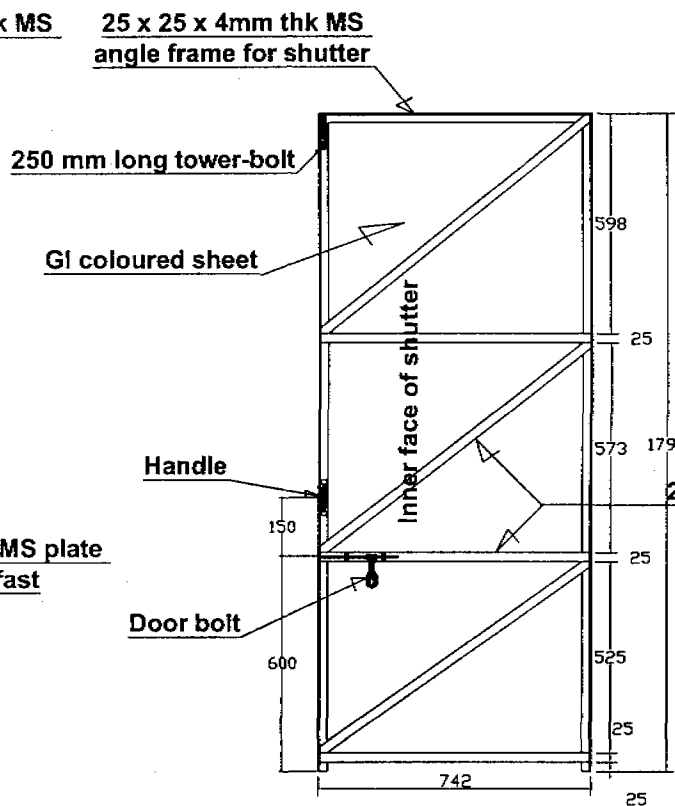
Date: October 14, 2003

Drg.No.:

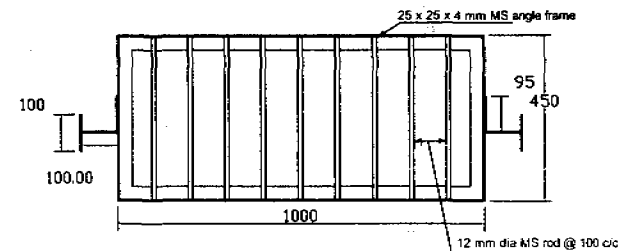
5 of 7



Door Frame



Door Shutter



Ventilation

(All measurements are in mm)

SCHOOL SANITATION PROGRAMME

Water Supply and Sanitation Division
Office/UNICEF

Parsa/Chitwan/Nawalparasi/Kapilvastu/Dang

Designed By:

Yagya Shrestha
Consultant, UNICEF

Revised Date: January 2005

SCHOOL TOILET/URINAL

DETAILS OF DOORS & VENTILATIONS

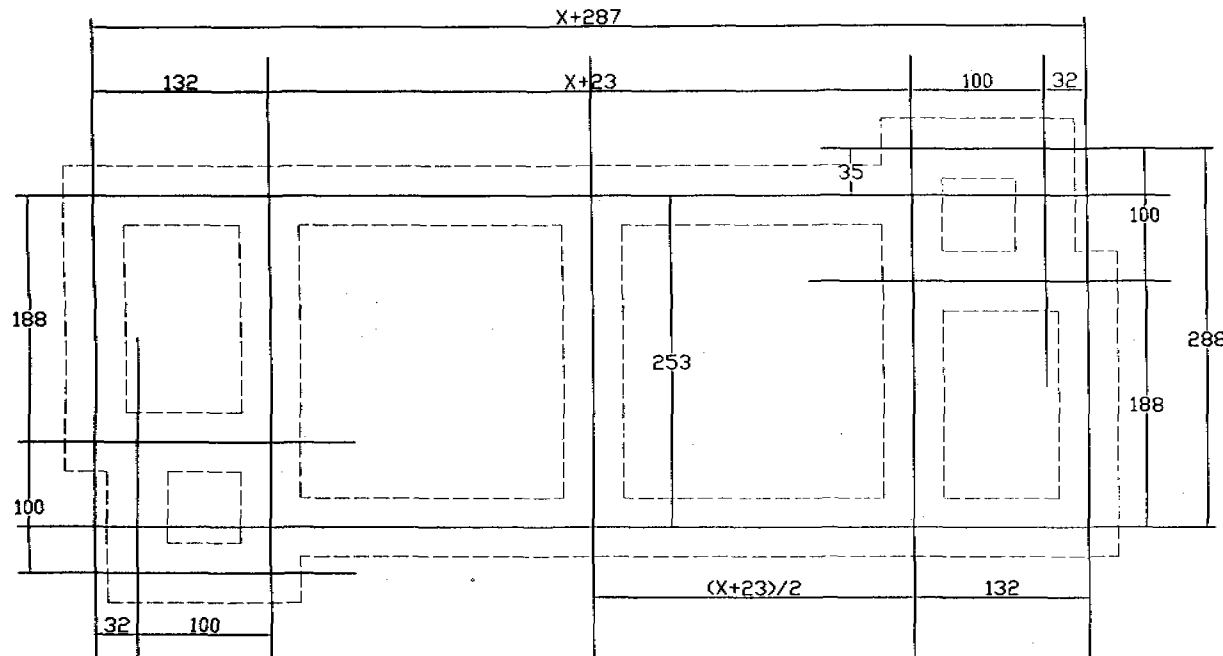
Date: 14 October 2003

Drg.No.:

6 of 7

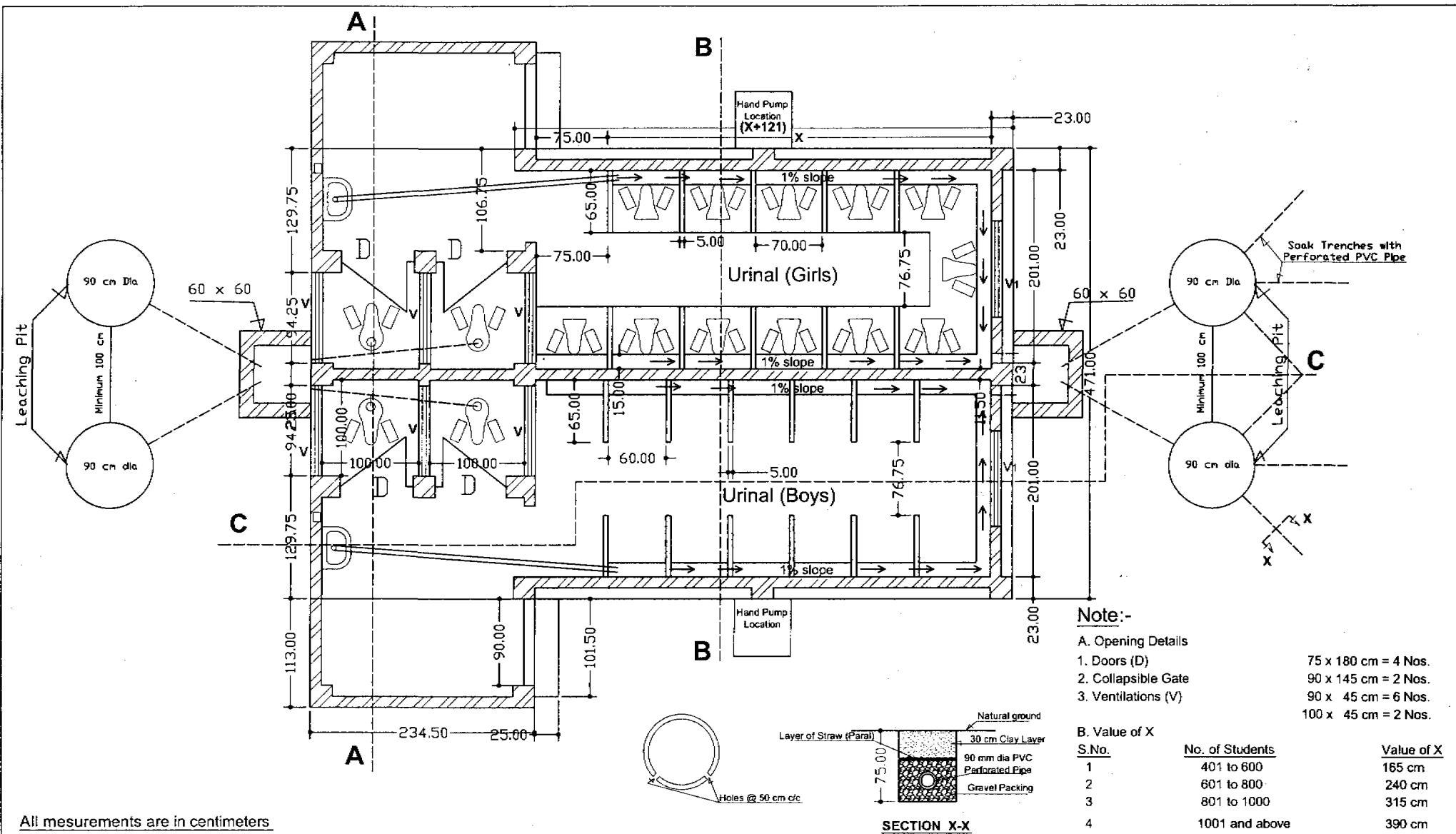
Note:-

Value of X S.No.	No. of Students	Value of X
1	Up to 200	326.75 cm
2	201 to 400	463.00 cm



All measurements are in centimeters

SCHOOL SANITATION PROGRAMME Water Supply and Sanitation Division Office/UNICEF	Designed By: Yagya Shrestha Consultant, UNICEF	SCHOOL TOILET/URINAL (Capacity: students<400)	
	Parsa/Chitwan/Nawalparasi/Kapilvastu/Dang	Revised Date: January, 2005	Date: October 14, 2003
			Drg.No.: 7 of 7



All measurements are in centimeters

SCHOOL SANITATION PROGRAMME Water Supply and Sanitation Division Office/UNICEF Parsa, Chitwan, Nawalparasi, Kapilvastu & Dang	Designed By: Yagya Shrestha Consultant, UNICEF	SCHOOL TOILET/URINAL (Capacity: students>401)	
	Revised Date: January, 2005	PLAN	
		Date: October 14, 2003	Drg. No.: 1 of 8

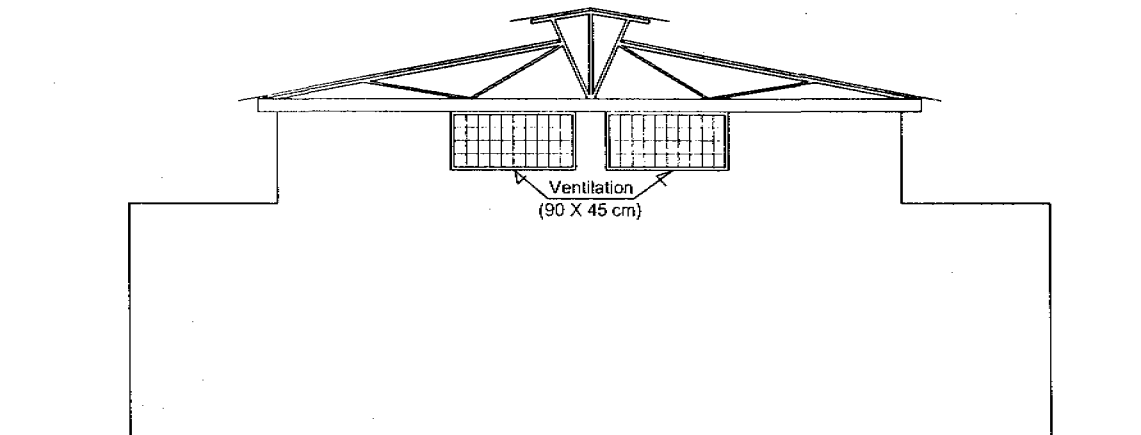
10 cm thk RCC roof

CGI Roof with 2 nos of transparent sheets in each side

70.00
175.00

200.00

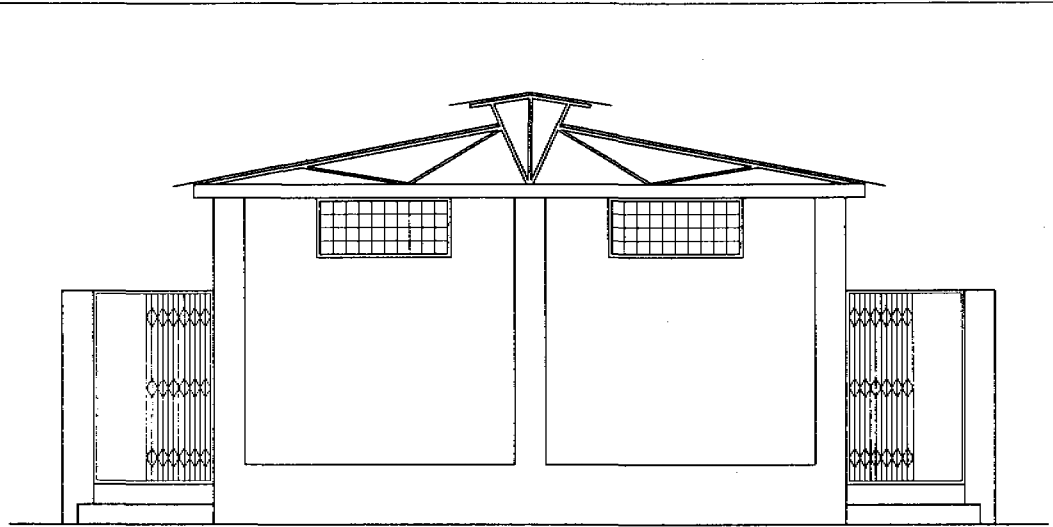
FRONT



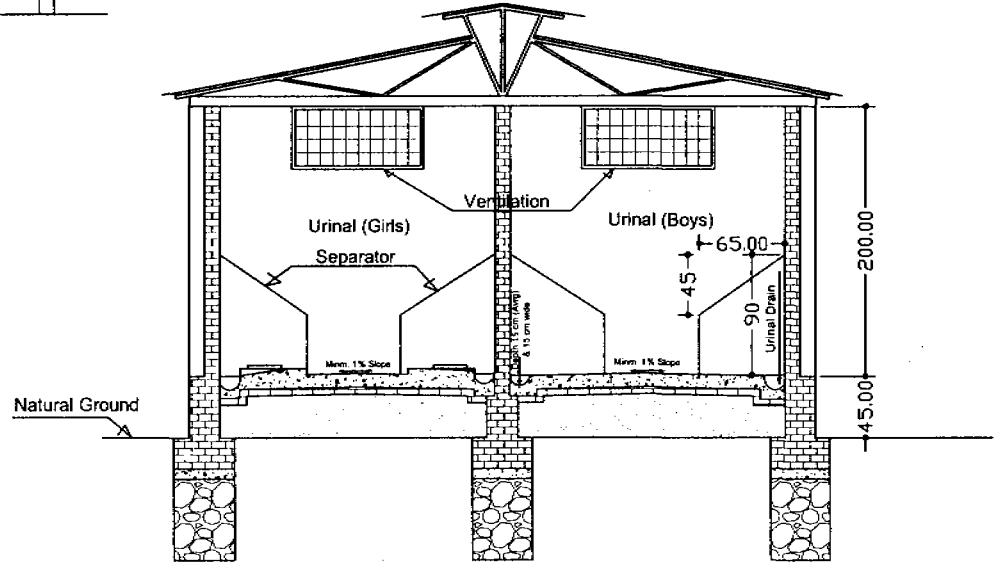
LEFT

All measurements are in centimeters

SCHOOL SANITATION PROGRAMME	Designed By:	SCHOOL TOILET/URINAL (Capacity: students>401)	
Water Supply and Sanitation Division Office/UNICEF	Yagya Shrestha Consultant, UNICEF	ELEVATIONS	
Parsa, Chitwan, Nawalparasi, Kapilvastu & Dang	Revised Date: January, 2005	Date: October 14, 2003	Org. No.: 2 of 8



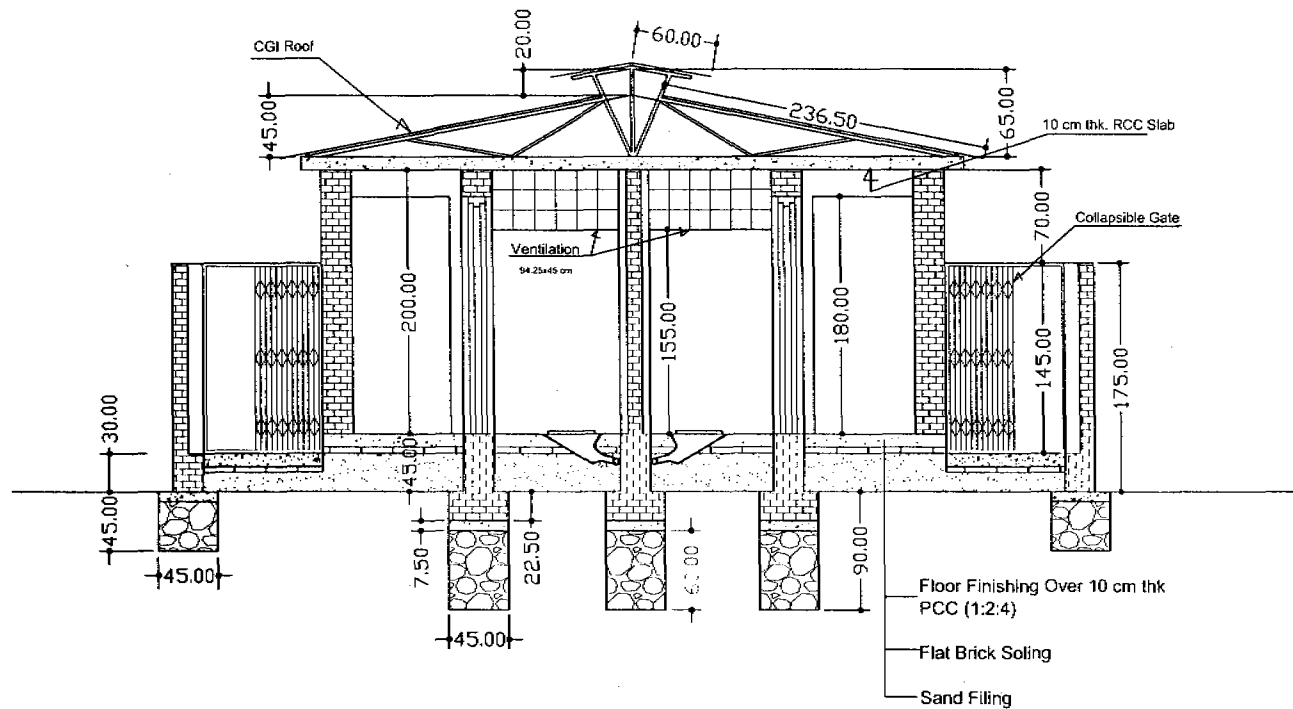
ELEVATION (right)



SECTION 'B-B'

All measurements are in centimeters

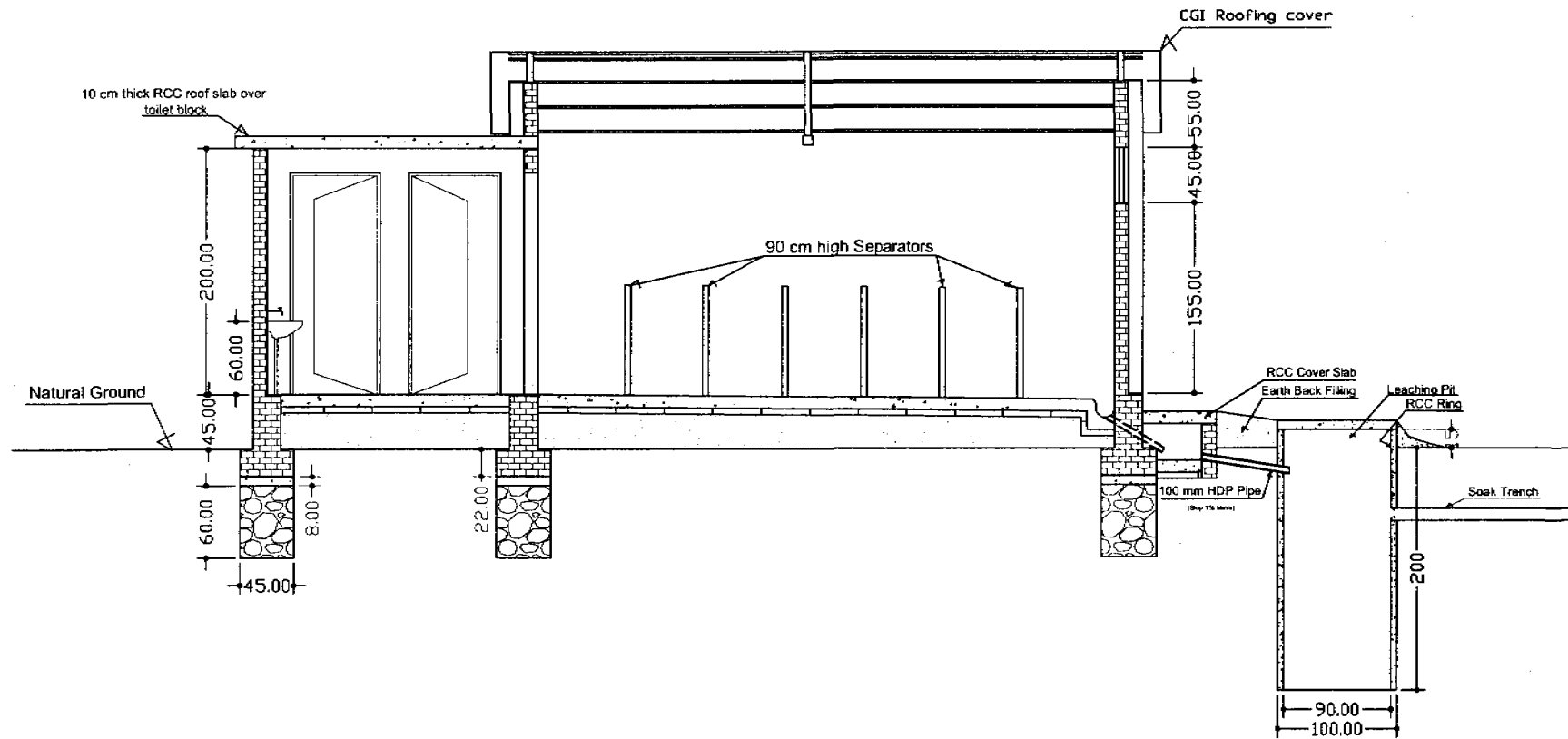
<p>SCHOOL SANITATION PROGRAMME</p>	<p>Designed By:</p>	<p>SCHOOL TOILET/URINAL (Capacity: students>401)</p>	
<p>Water Supply and Sanitation Division Office/UNICEF</p>	<p>Yagya Shrestha Consultant, UNICEF</p>	<p>ELEVATION & SECTION</p>	
<p>Parsa, Chitwan, Nawalparasi, Kapilvastu & Dang</p>	<p>Revised Date: January, 2005</p>	<p>Date: October 14, 2003</p>	<p>Drng. No.: 3 of 8</p>



SECTION 'A-A'

All measurements are in centimeters

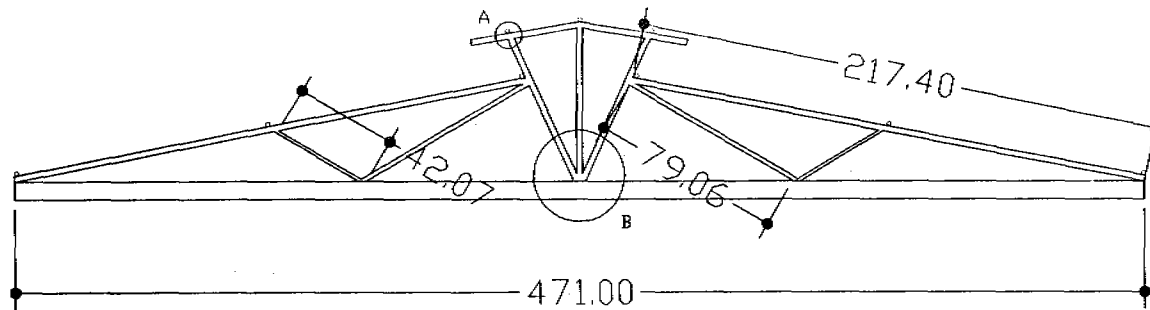
<p>SCHOOL SANITATION PROGRAMME</p>	<p>Designed By:</p>	<p>SCHOOL TOILET/URINAL (Capacity: students>401)</p>	
<p>Water Supply and Sanitation Division Office/UNICEF</p>	<p>Yagya Shrestha Consultant, UNICEF</p>		<p>SECTION</p>
<p>Parsa, Chitwan, Nawalparasi, Kapilvastu & Dang</p>	<p>Revised Date: January, 2005</p>		<p>Date: October 14, 2003 Drg. No.: 4 of 8</p>



SECTION 'C-C'

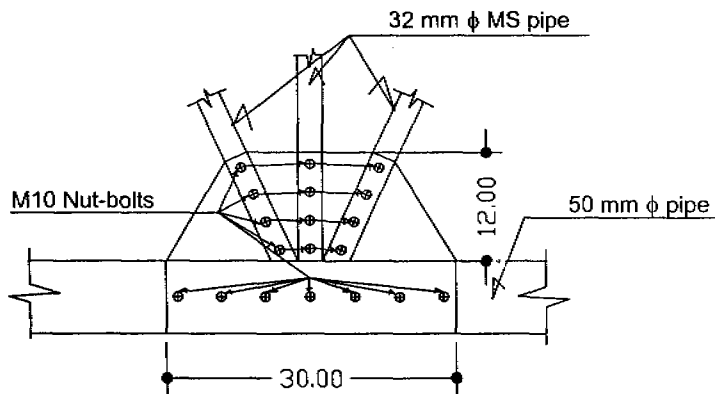
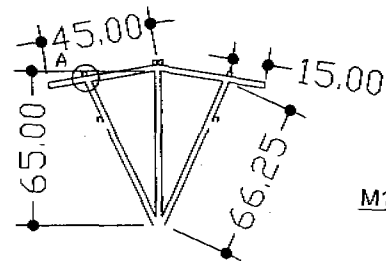
All measurements are in centimeter

<p>SCHOOL SANITATION PROGRAMME</p>	<p>Designed By:</p>	<p>SCHOOL TOILET/URINAL (Capacity: students>401)</p>	
<p>Water Supply and Sanitation Division Office/UNICEF</p>	<p>Yagya Shrestha Consultant, UNICEF</p>	<p>SECTION</p>	
<p>Parsa, Chitwan, Nawalparasi, Kapilvastu & Dang</p>	<p>Revised Date: January, 2005</p>	<p>Date: October 14, 2003</p>	<p>Org. No.: 5 of 8</p>

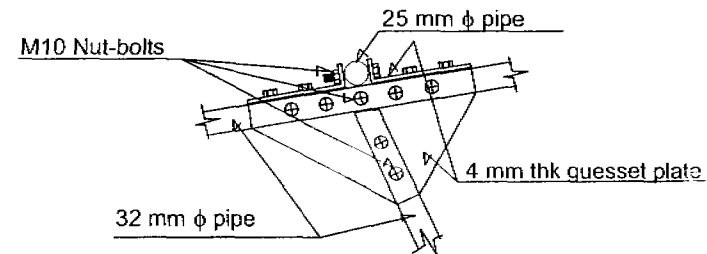


Roof Truss

(Material: MS Circular Pipes, Span = 471 cm)



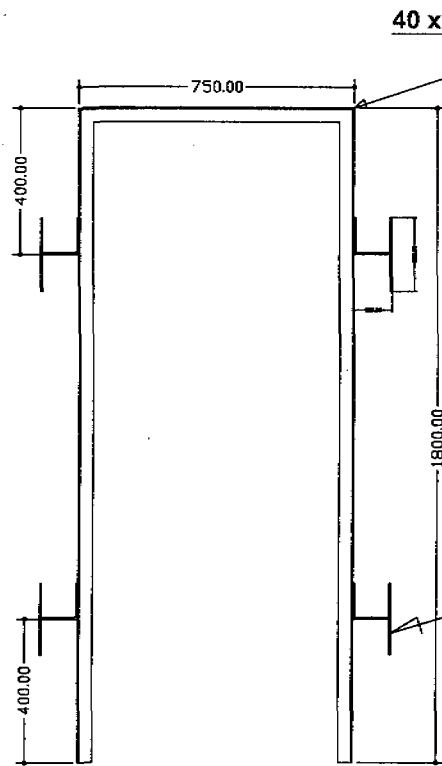
Details of B



Details of A

All measurements are in centimeters

SCHOOL SANITATION PROGRAMME	Designed By:	Yagya Shrestha	
		Consultant, UNICEF	
Water Supply and Sanitation Division Office/UNICEF		SCHOOL TOILET/URINAL	
Parsa, Chitwan, Nawalparasi, Kapilvastu & Dang	Revised Date: January, 2005	TRUSS DETAILS	Date: October 14, 2003
			Drg. No.: 6 of 8



Door Frame

40 x 40 x 4mm thk MS angle

25 x 25 x 4mm thk MS angle frame for shutter

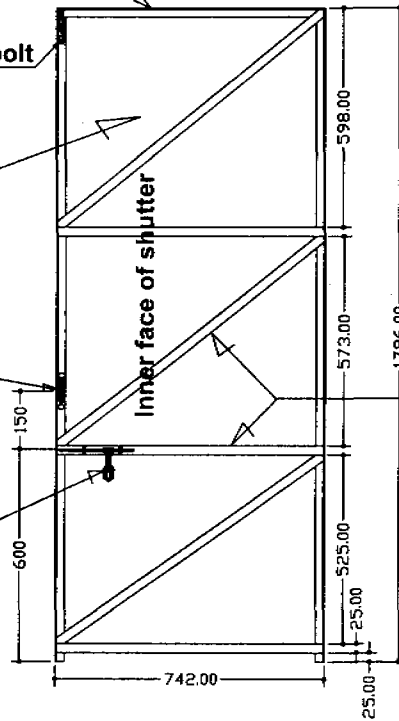
250 mm long tower-bolt

GI coloured sheet

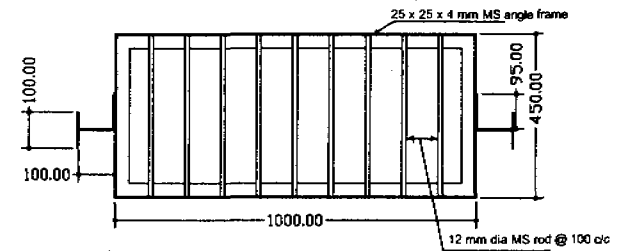
5 mm thk MS plate holdfast

Handle

Door bolt



Door Shutter

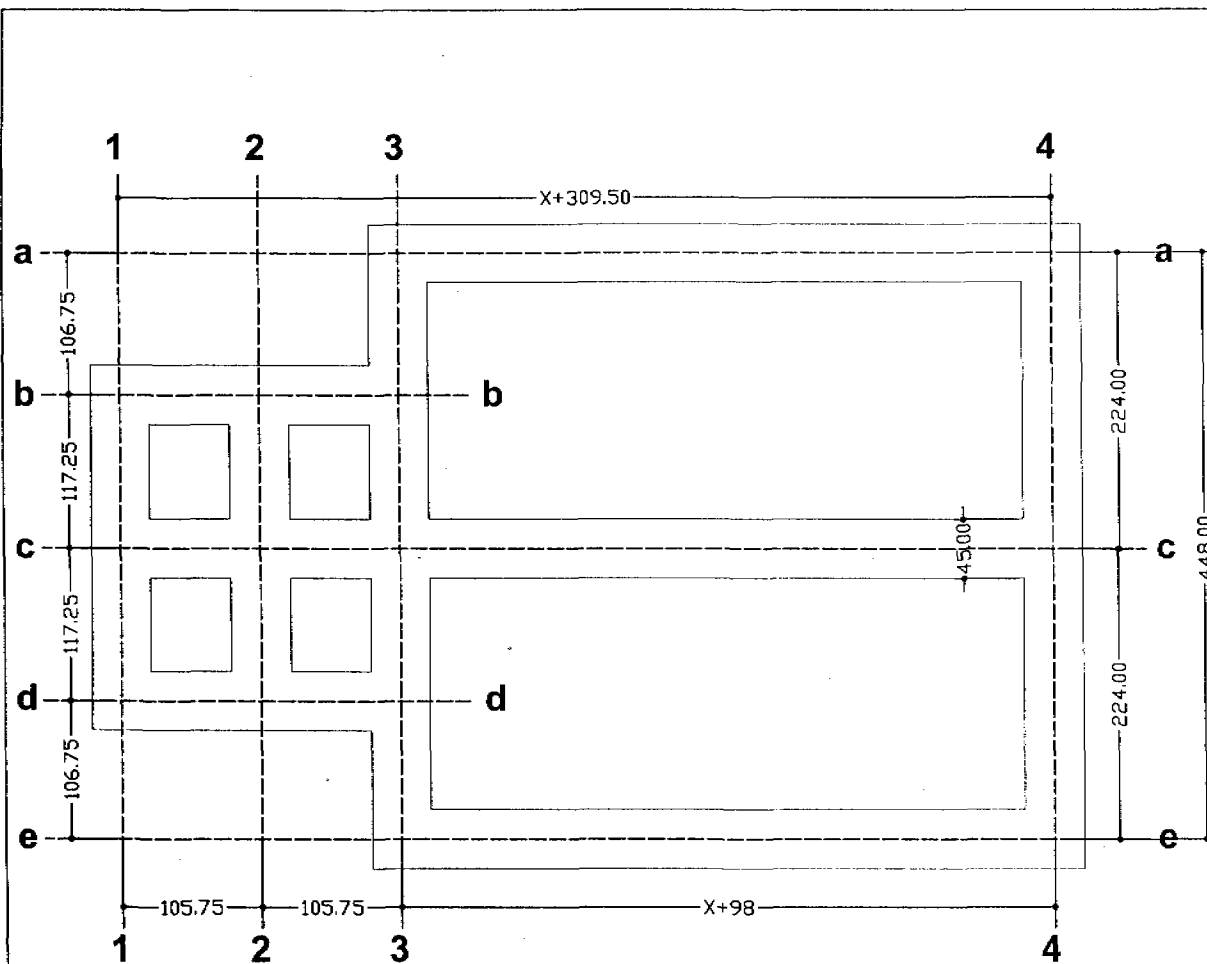


Ventilation

25 x 4 mm MS strips

(All measurements are in mm)

<p>SCHOOL SANITATION PROGRAMME</p>	<p>Designed By:</p>	<p>SCHOOL TOILET/URINAL</p>	
<p>Water Supply and Sanitation Division Office/UNICEF</p>	<p>Yagya Shrestha Consultant, UNICEF</p>	<p>DETAILS OF DOORS & VENTILATIONS</p>	
<p>Parsa/Chitwan/Nawalparasi/Kapilvastu/Dang</p>	<p>Revised Date: January 2005</p>	<p>Date: 14 October 2003</p>	<p>Org.No.: 7 of 8</p>

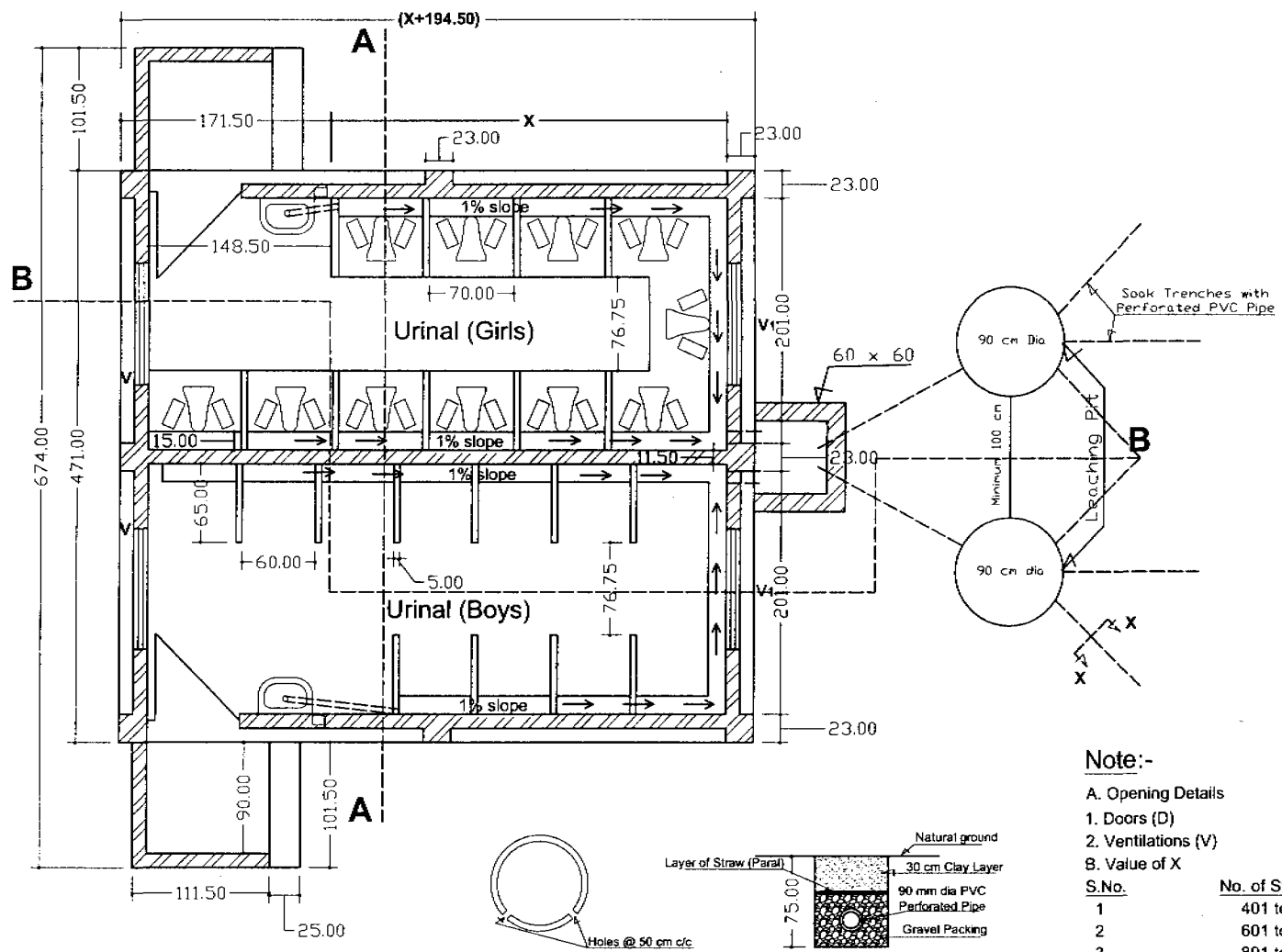


Note:-

Value of X S.No.	No. of Students	Value of X
1	401 to 600	165 cm
2	601 to 800	240 cm
3	801 to 1000	315 cm
4	1001 and above	390 cm

All measurements are in centimeters

SCHOOL SANITATION PROGRAMME Water Supply and Sanitation Division Office/UNICEF	Designed By: Yagya Shrestha Consultant, UNICEF	SCHOOL TOILET/URINAL (Capacity: students<400)	
	Parsa/Chitwan/Nawalparasi/Kapilvastu/Dang	Revised Date: January, 2005	Date: October 14, 2003 Drg.No.: 8 of 8



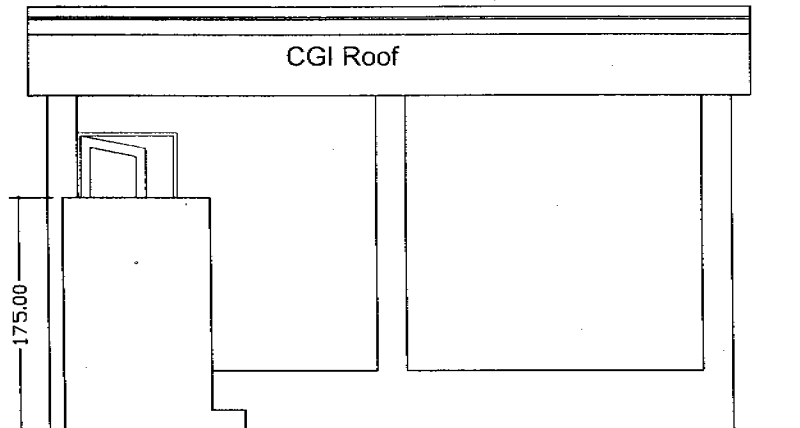
Note:-

- A. Opening Details
- 1. Doors (D) 75 x 180 cm = 2 Nos.
- 2. Ventilations (V) 100 x 45 cm = 4 Nos.
- B. Value of X

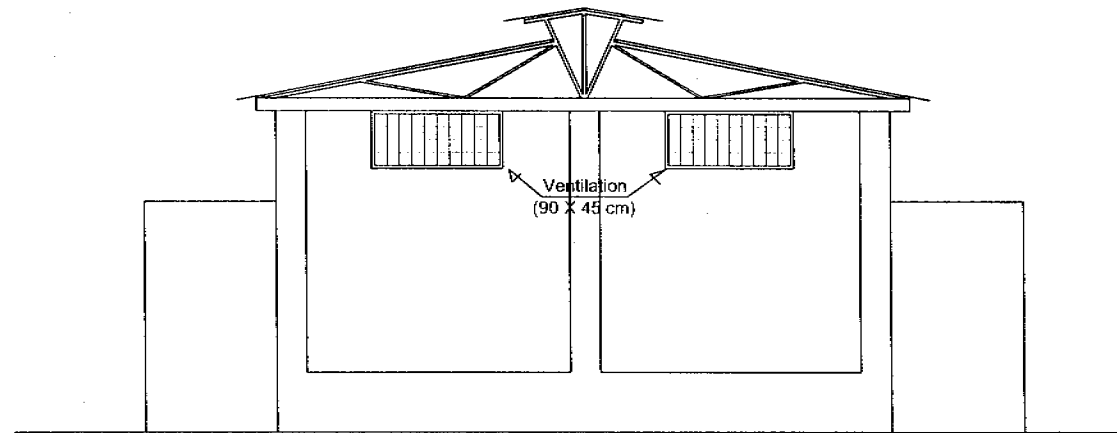
S.No.	No. of Students	Value of X
1	401 to 600	165 cm
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4	1001 and above	390 cm

All measurements are in centimeters

SCHOOL SANITATION PROGRAMME Water Supply and Sanitation Division Office/UNICEF Parsa, Chitwan, Nawalparasi, Kapilvastu & Dang	Designed By: Yagya Shrestha Consultant, UNICEF	SCHOOL URINAL (Capacity: students>401)	
	Revised Date: January, 2005	PLAN	
	Date: October 14, 2003	Drg. No.: 1 of 7	



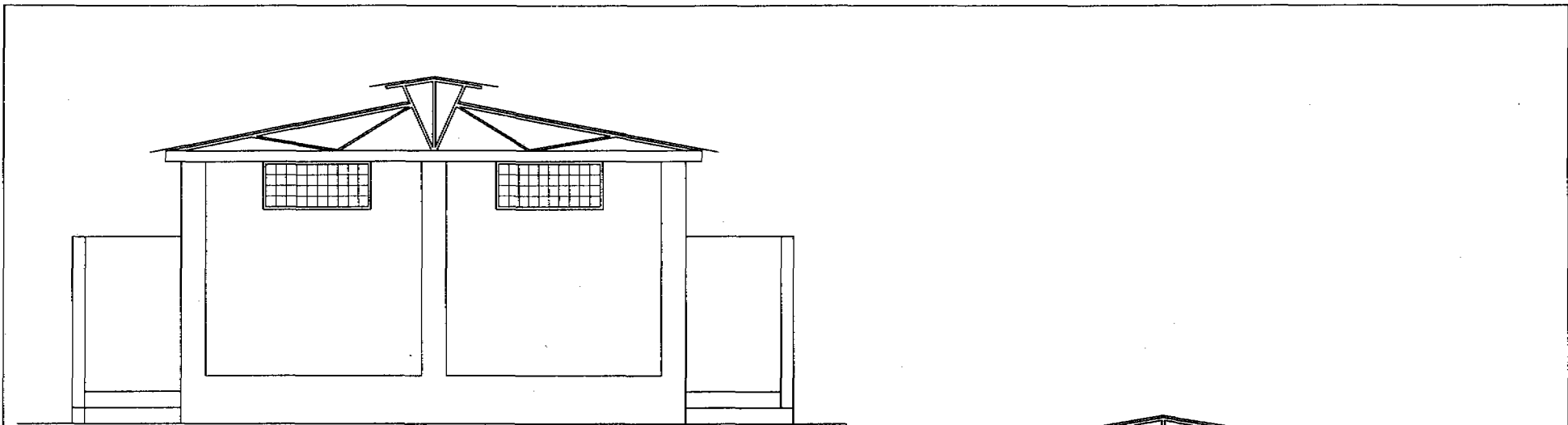
FRONT



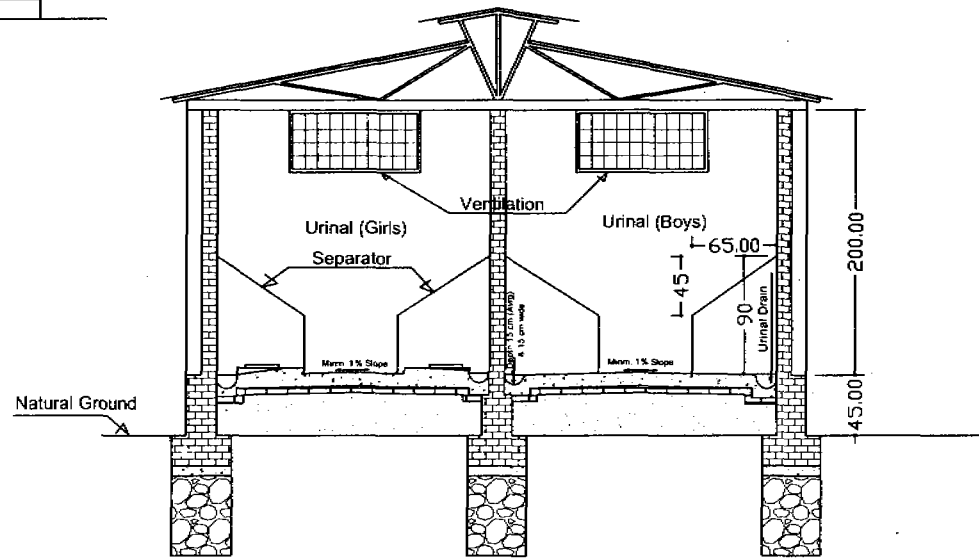
LEFT

All measurements are in centimeter

<p>SCHOOL SANITATION PROGRAMME</p>	<p>Designed By:</p>	<p>SCHOOL URINAL (Capacity: students>401)</p>	
<p>Water Supply and Sanitation Division Office/UNICEF</p>	<p>Yagya Shrestha Consultant, UNICEF</p>	<p>ELEVATIONS</p>	
<p>Parsa, Chitwan, Nawalparasi, Kapilvastu & Dang</p>		<p>Revised Date: January, 2005</p>	<p>Date: October 14, 2003</p>



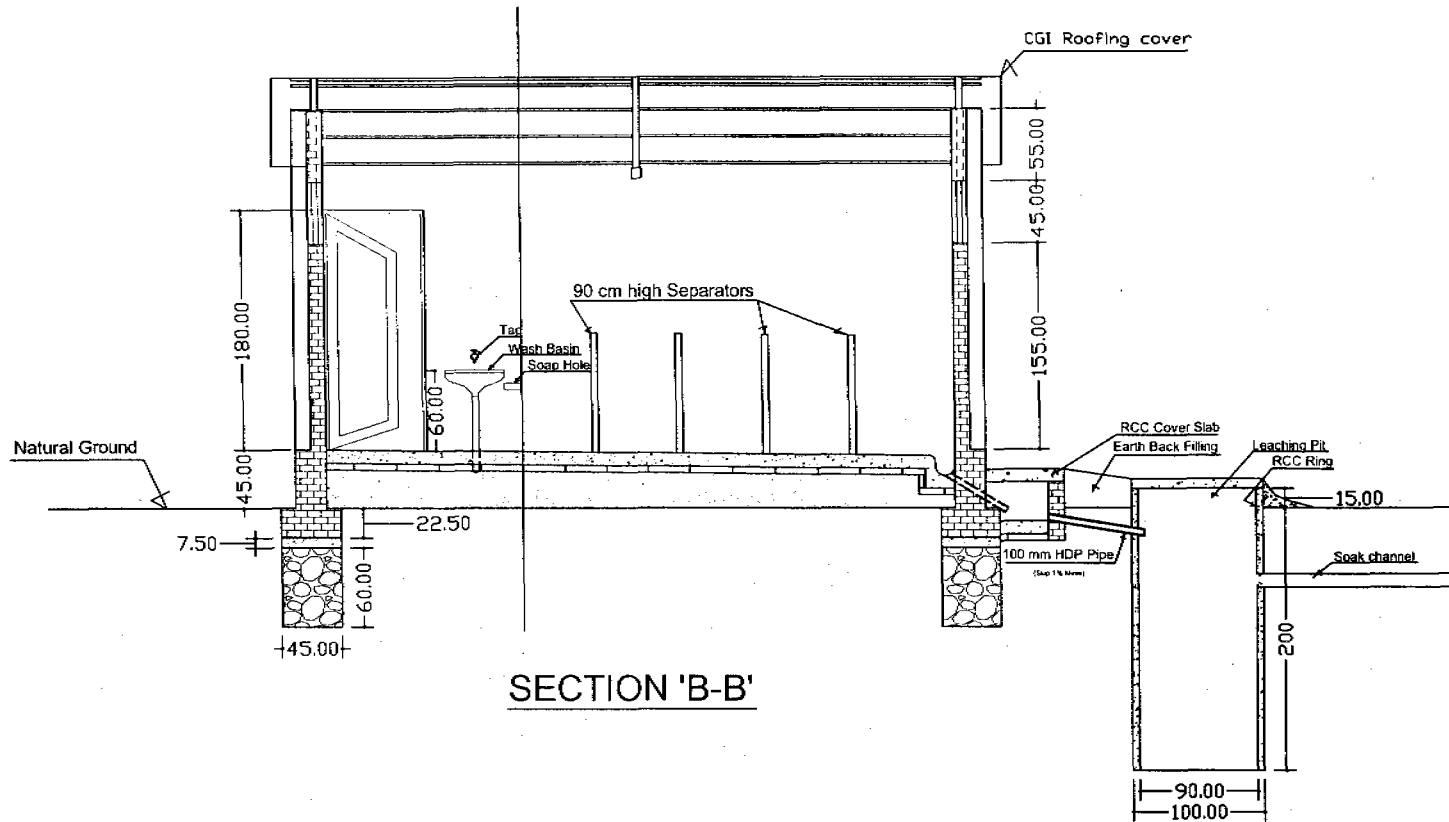
ELEVATION (right)



SECTION 'A-A'

All measurements are in centimeter

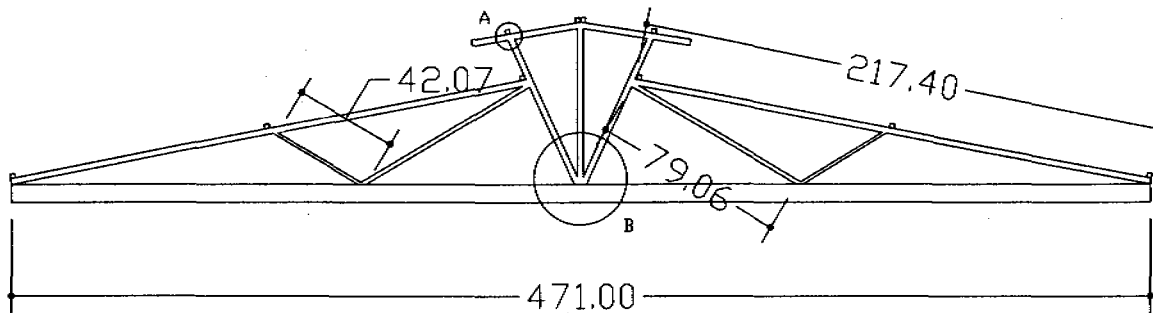
SCHOOL SANITATION PROGRAMME	Designed By:	SCHOOL URINAL (Capacity: students>401)	
Water Supply and Sanitation Division Office/UNICEF	Yagya Shrestha Consultant, UNICEF	ELEVATION & SECTION	
Parsa, Chitwan, Nawalparasi, Kapilvastu & Dang	Revised Date: January, 2005	Date: October 14, 2003	Drg. No.: 3 of 7



SECTION 'B-B'

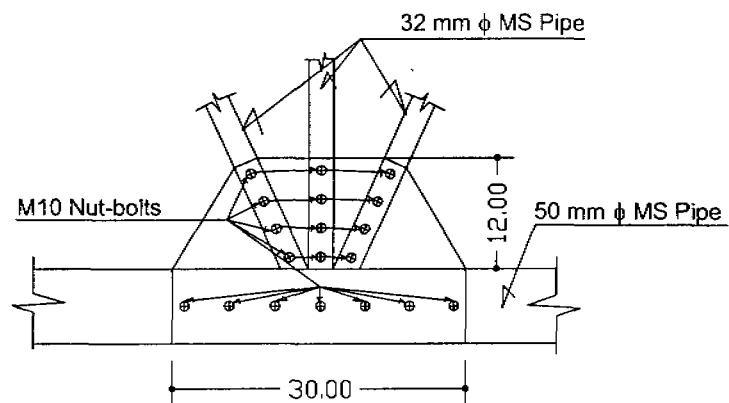
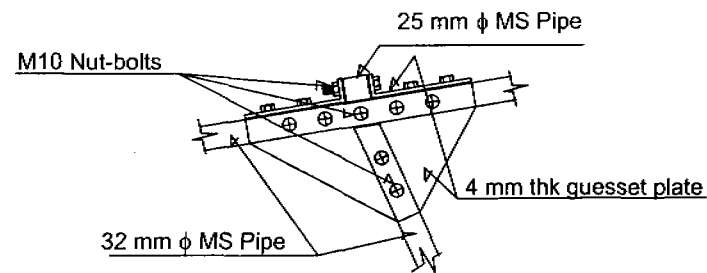
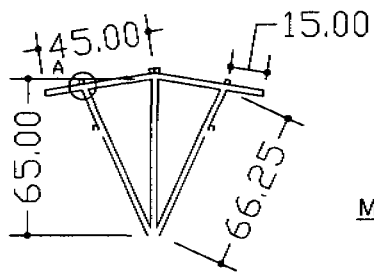
All measurements are in centimeter

SCHOOL SANITATION PROGRAMME	Designed By:	SCHOOL URINAL (Capacity: students > 401)	
	Water Supply and Sanitation Division Office/UNICEF	Yagya Shrestha Consultant, UNICEF	SECTION
Parsa, Chitwan, Nawalparasi, Kapilvastu & Dang	Revised Date: January, 2005	Date: October 14, 2003	Dr. No.: 4 of 7



Roof Truss

(Material: MS Circular Pipes, Span = 471 cm)



Details of B

Details of A

All measurements are in centimeter

SCHOOL SANITATION PROGRAMME

Water Supply and Sanitation Division Office/UNICEF

Parsa, Chitwan, Nawalparasi, Kapilvastu & Dang

Designed By:

**Yagya Shrestha
Consultant, UNICEF**

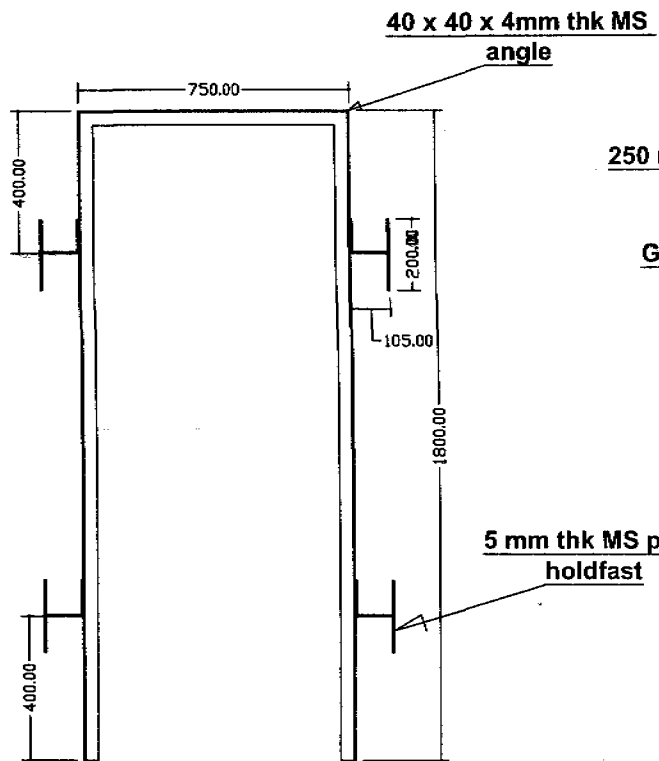
Revised Date: January, 2005

SCHOOL URINAL

TRUSS DETAILS

Date: October 14, 2003

Drg. No.:
5 of 7



Door Frame

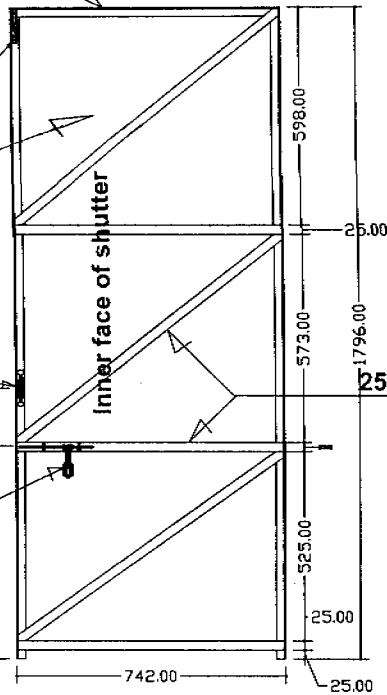
25 x 25 x 4mm thk MS angle frame for shutter

250 mm long tower-bolt

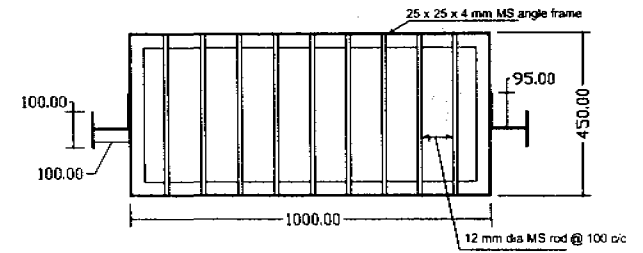
GI coloured sheet

Handle

Door bolt



Door Shutter



Ventilation

(All measurements are in mm)

SCHOOL SANITATION PROGRAMME

Water Supply and Sanitation Division
Office/UNICEF

Parsa/Chitwan/Nawalparasi/Kapilvastu/Dang

Designed By:

Yagya Shrestha
Consultant, UNICEF

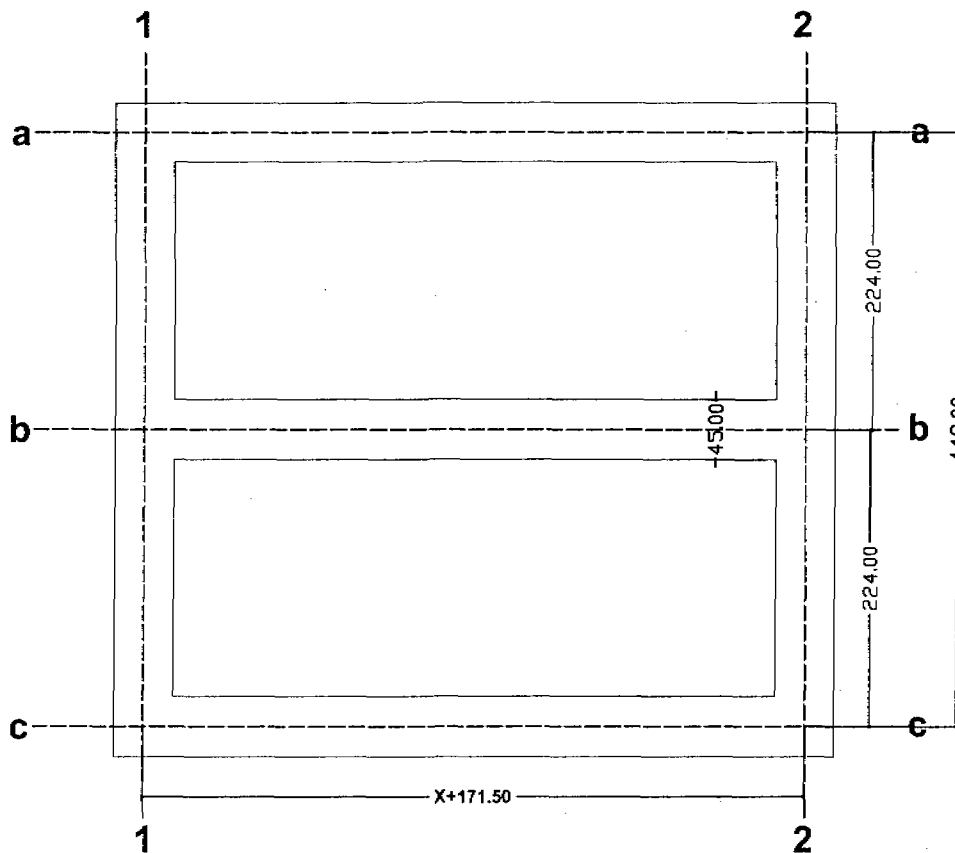
Revised Date: January 2005

SCHOOL URINAL

DETAILS OF DOORS & VENTILATIONS

Date: 14 October 2003

Drg.No.:
6 of 7



Note:-

Value of X S.No.	No. of Students	Value of X
1	401 to 600	165 cm
2	601 to 800	240 cm
3	801 to 1000	315 cm
4	1001 and above	390 cm

All measurements are in centimeters

SCHOOL SANITATION PROGRAMME

Water Supply and Sanitation Division
Office/UNICEF

Parsa/Chitwan/Nawalparasi/Kapilvastu/Dang

Designed By:

Yagya Shrestha
Consultant, UNICEF

Revised Date: January, 2005

SCHOOL URINAL
(Capacity: students<401)

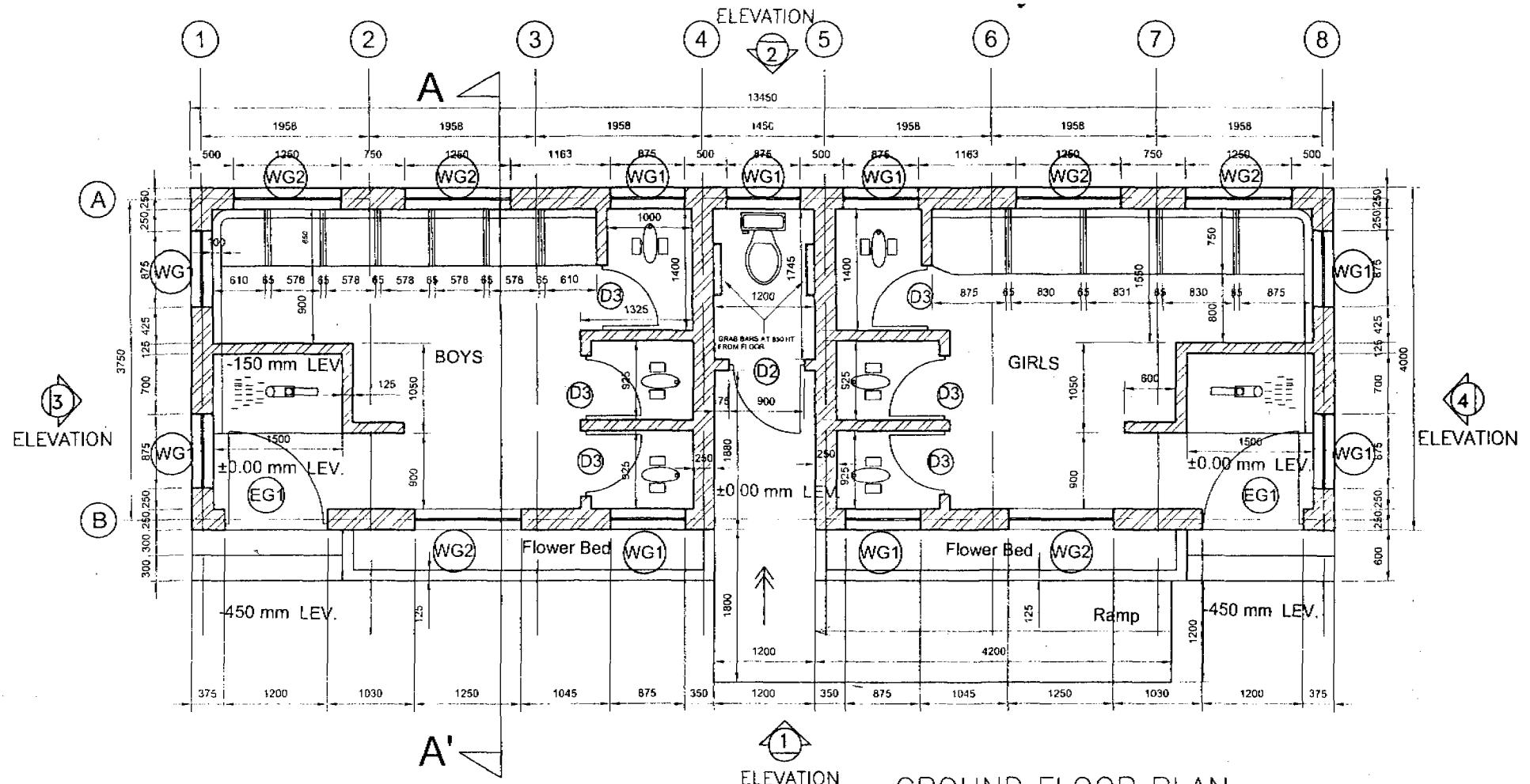
LAYOUT PLAN

Date: October 14, 2003

Drg.No.:

7 of 7

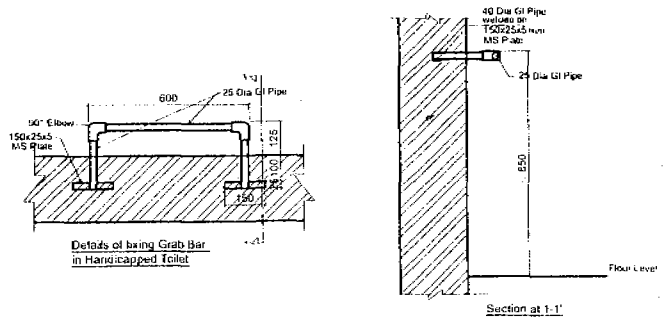
Single Unit Toilet Block

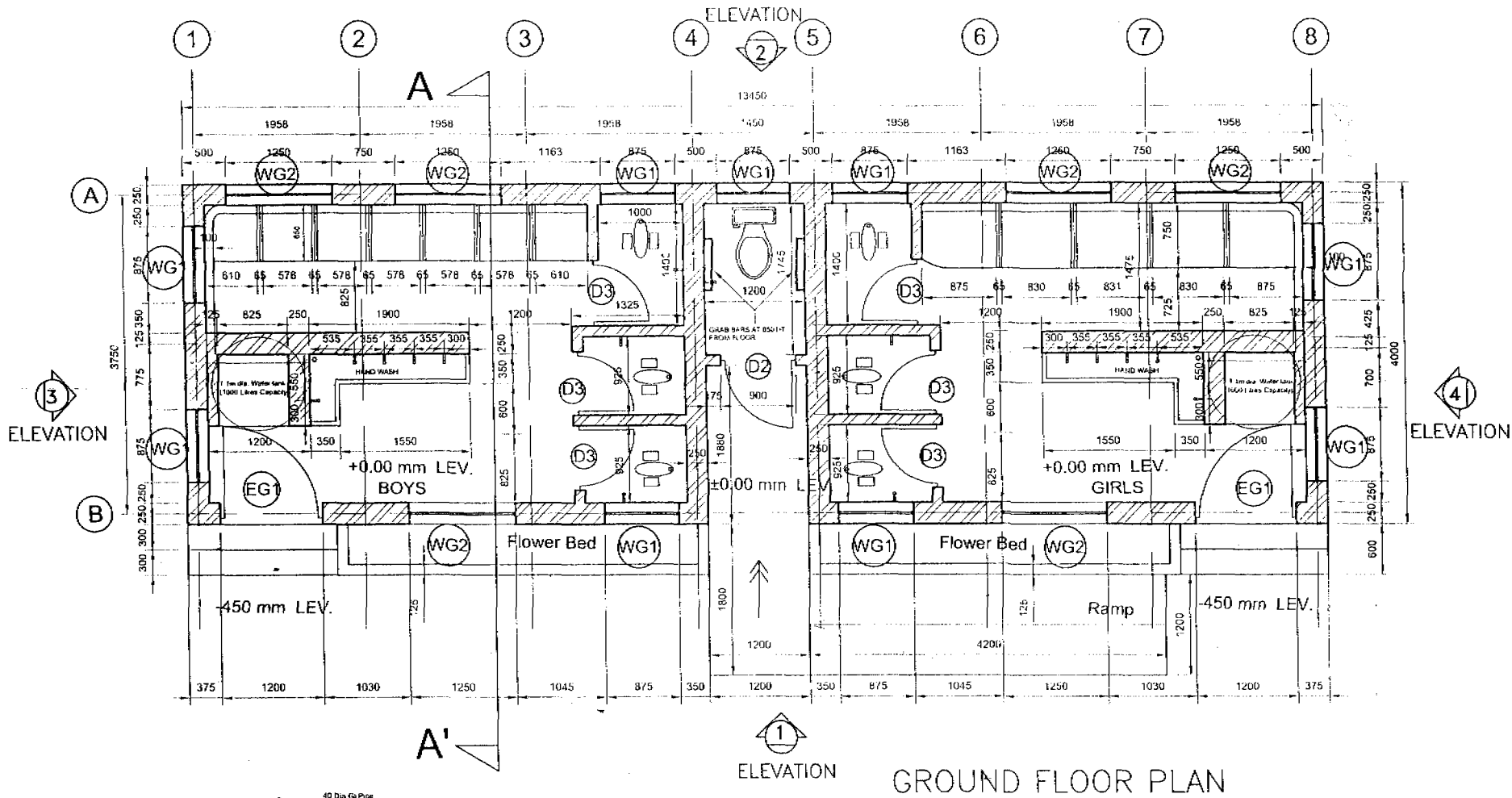


OPENING SCHEDULE **GROUND FLOOR PLAN**

S.N.	DESCRIPTION	SIZE	NOs	MATERIAL	REMARKS
1.	DOOR (D2)	900 X 2175	1	METAL FRAME	LEFT OPENING
2.	DOOR (D3)	592 X 2175	3	METAL FRAME	RIGHT OPENING
3.	DOOR (D3)	592 X 2175	3	METAL FRAME	LEFT OPENING
4.	ENTRANCE GATE (EG1)	1200 X 1950	1	METAL FRAME	RIGHT OPENING
5.	ENTRANCE GATE (EG1)	875 X 1950	1	METAL FRAME	LEFT OPENING
6.	WINDOW GRILL (WG1)	875 X 450	9	METAL FRAME	
7.	WINDOW GRILL (WG2)	1250 X 450	6	METAL FRAME	

HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)	
Single Unit Toilet Block GROUND FLOOR PLAN	
Drawing no: A -	Scale:
Date: 25th December, 2005	
Drawn by: P.Thakur	Checked by: Approved by:
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	

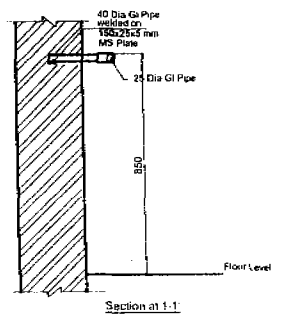
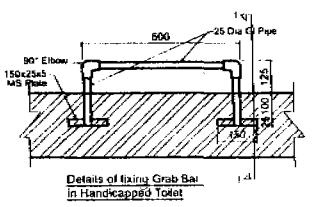




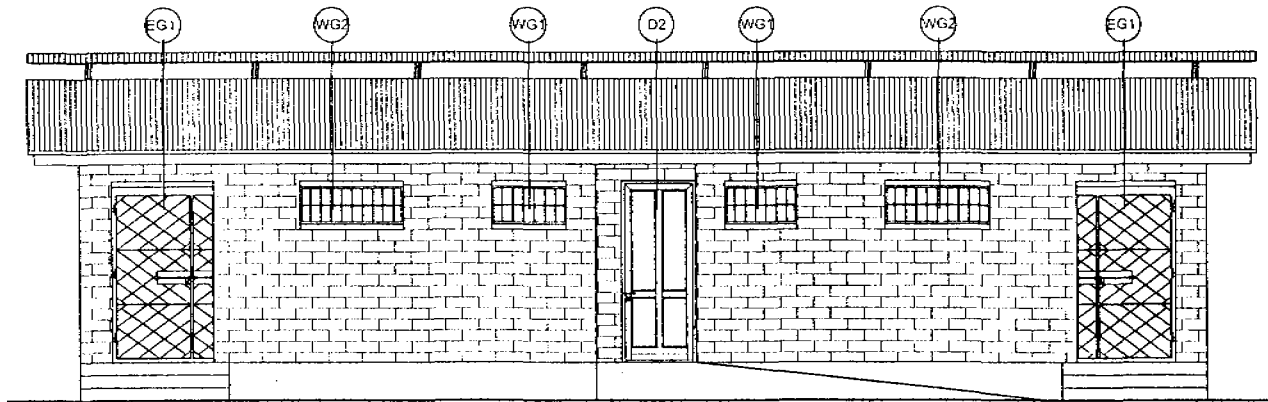
GROUND FLOOR PLAN

OPENING SCHEDULE

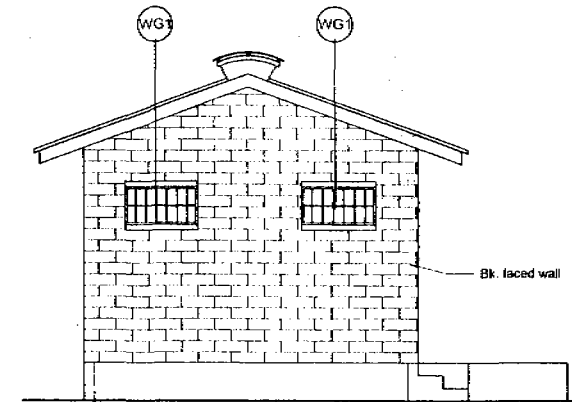
S.N.	DESCRIPTION	SIZE	NOs.	MATERIAL	REMARKS
1.	DOOR (D2)	1200 X 2175	1	METAL FRAME	LEFT OPENING
2.	DOOR (D3)	592 X 2175	3	METAL FRAME	RIGHT OPENING
3.	DOOR (D3)	592 X 2175	3	METAL FRAME	LEFT OPENING
4.	ENTRANCE GATE (EG1)	875 X 1950	1	METAL FRAME	RIGHT OPENING
5.	ENTRANCE GATE (EG1)	875 X 1950	1	METAL FRAME	LEFT OPENING
6.	WINDOW GRILL (WG1)	875 X 450	9	METAL FRAME	
7.	WINDOW GRILL (WG2)	1250 X 450	6	METAL FRAME	



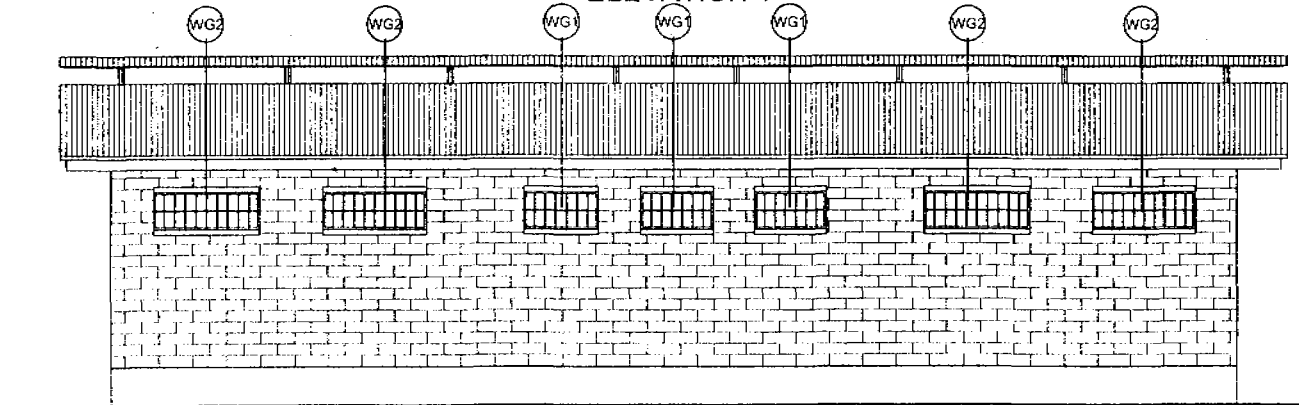
HIS MAJESTY'S GOVERNMENT OF NEPAL		UNICEF-Nepal	
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)			
Single Unit Toilet Block (Alternate)			
GROUND FLOOR PLAN			
Drawing no: A -		Scale:	
Date: 25th December, 2005			
Drawn by: P Thakur		Checked by:	Approved by:
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC			



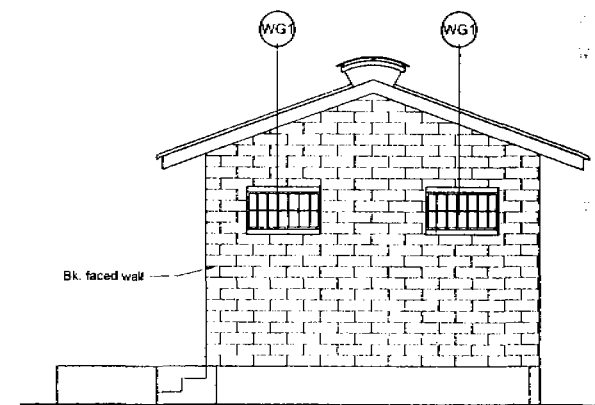
ELEVATION 1



ELEVATION 3

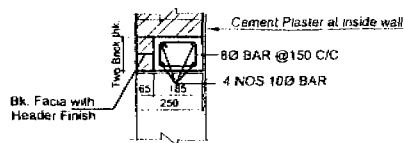


ELEVATION 2

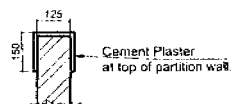


ELEVATION 4

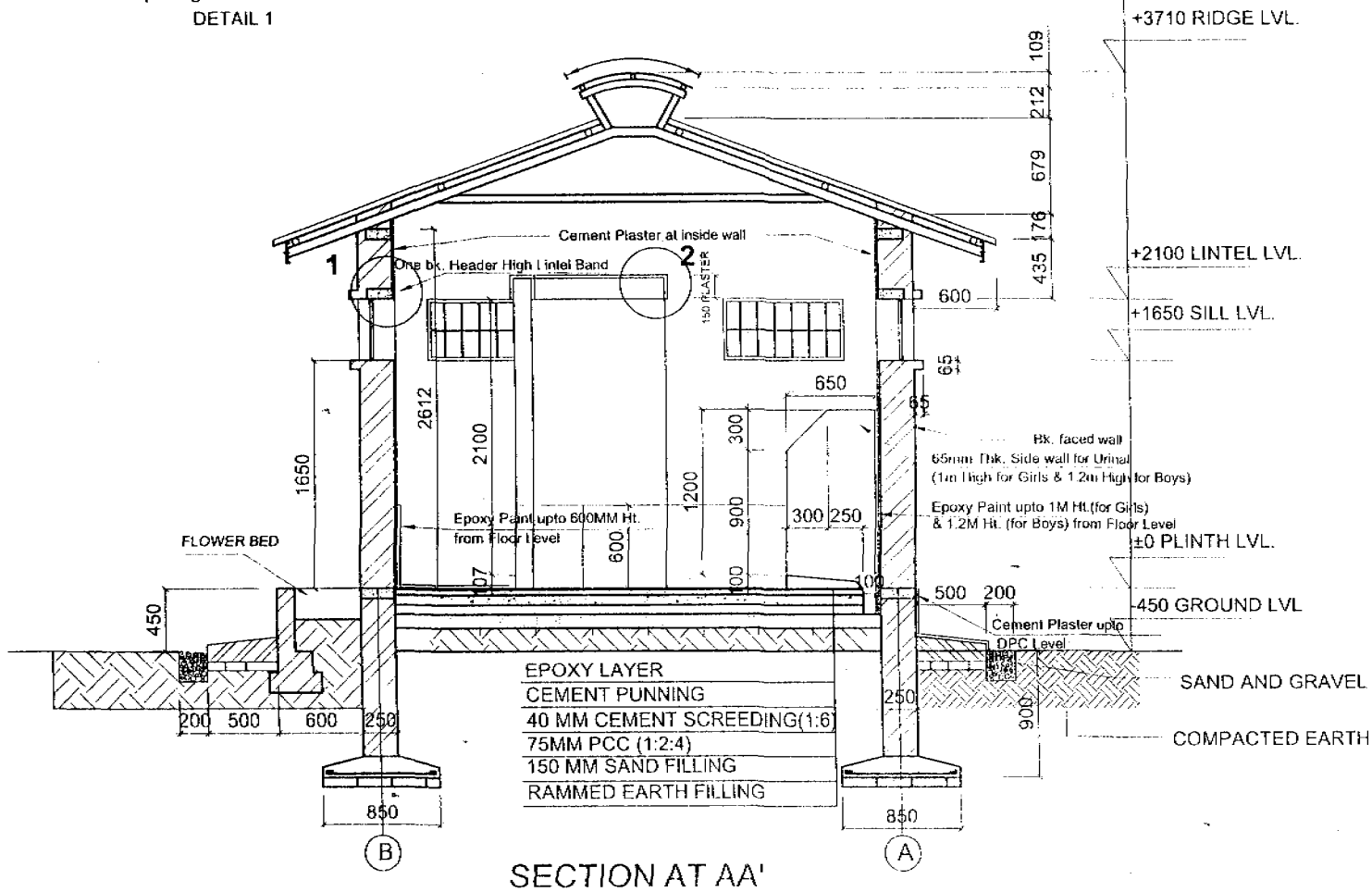
HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)	
Single Unit Toilet Block	
ELEVATIONS	
Drawing no: A -	Scale:
Date: 25th December, 2005	
Drawn by: P.Thakur	Checked by:
Approved by:	
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	



Lintel Detail for openings above 1200mm
DETAIL 1

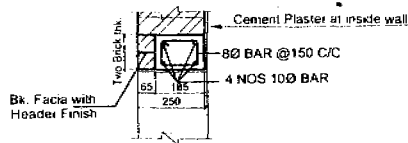


DETAIL 2

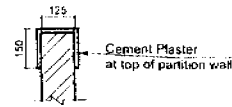


SECTION AT AA'

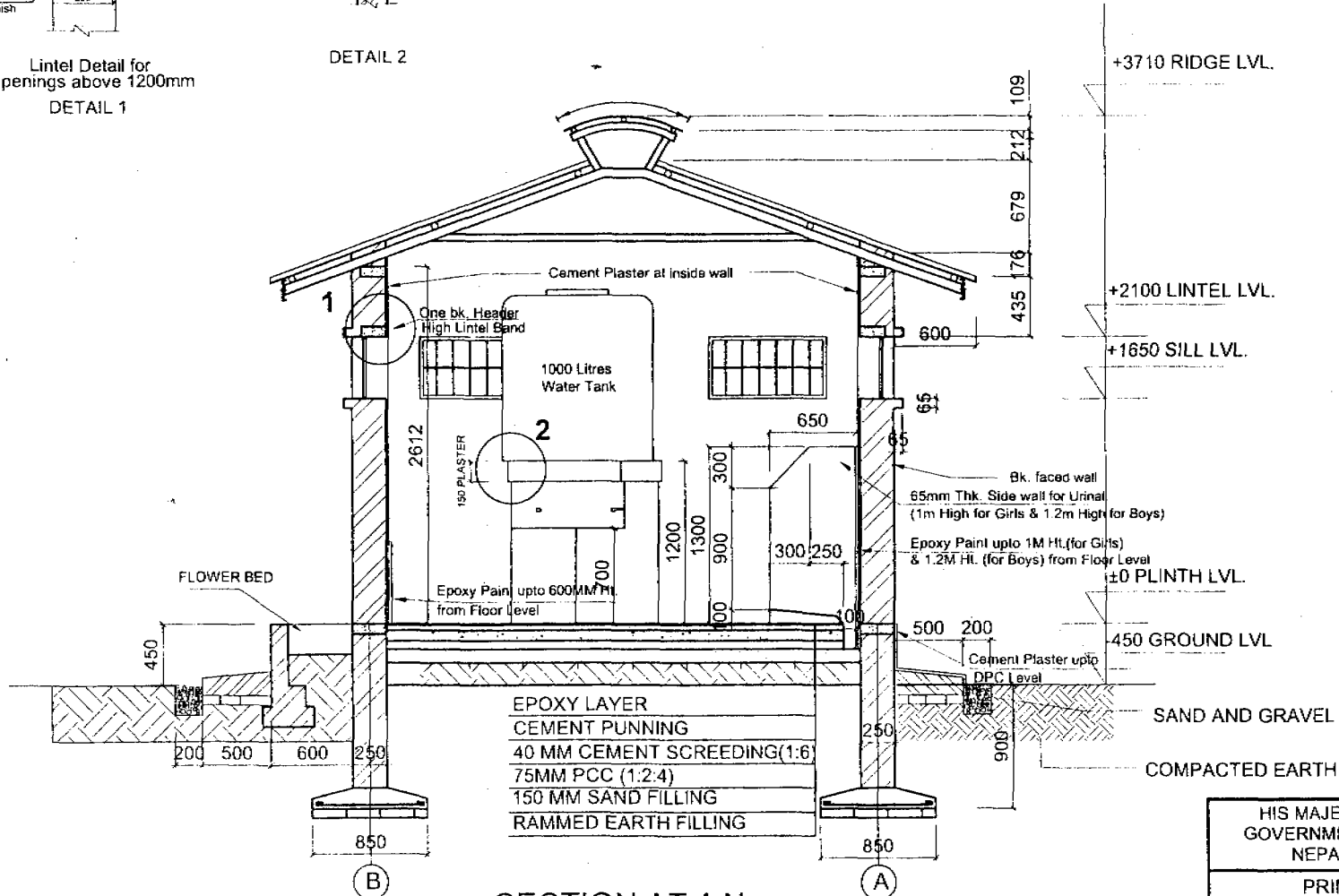
HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)	
Single Unit Toilet Block	
SECTION AT A-A'	
Drawing no: A -	Scale:
Date: 25th December, 2005	
Drawn by: P. Thakur	Checked by: Approved by:
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	



Lintel Detail for openings above 1200mm
DETAIL 1

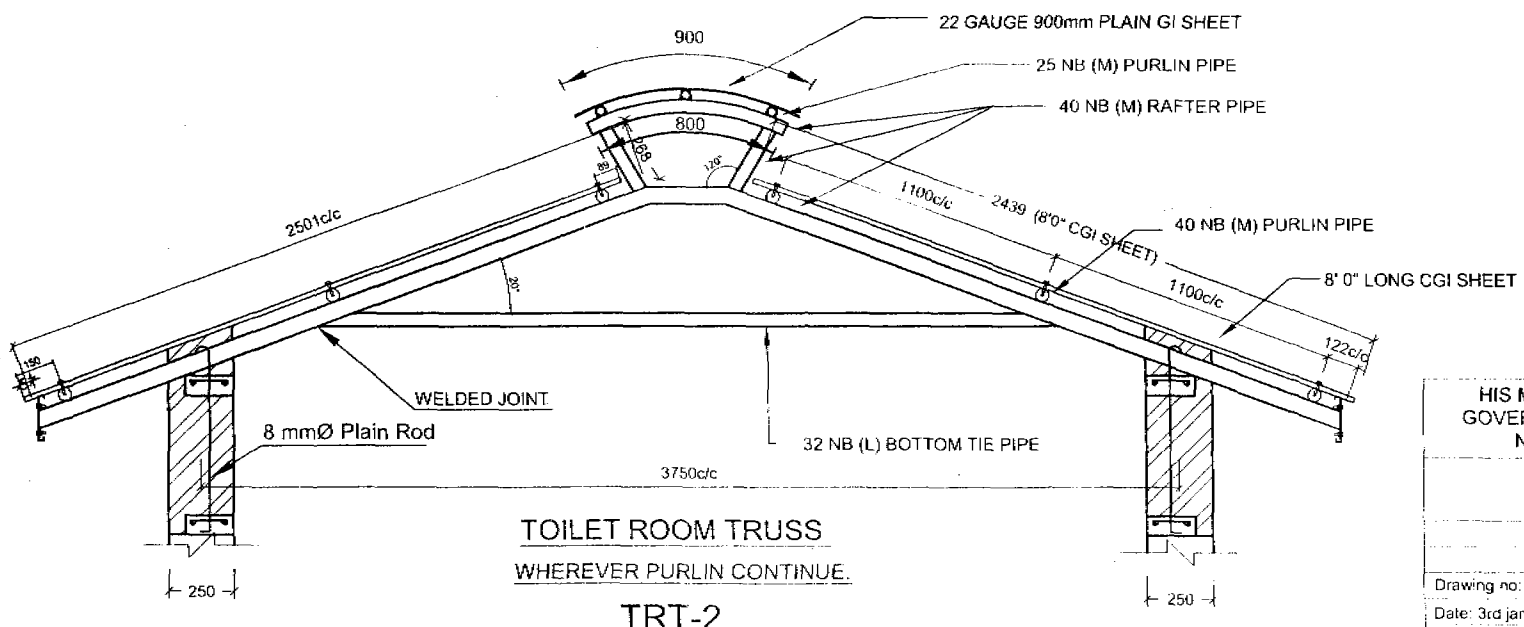
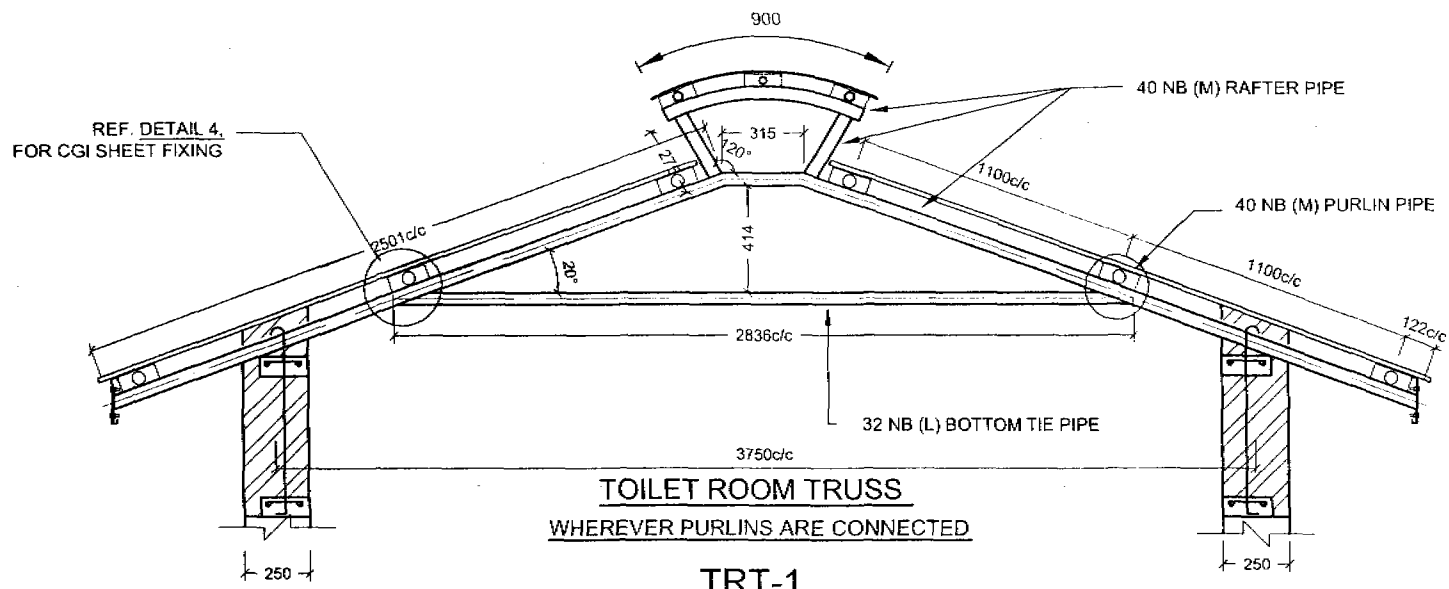


DETAIL 2

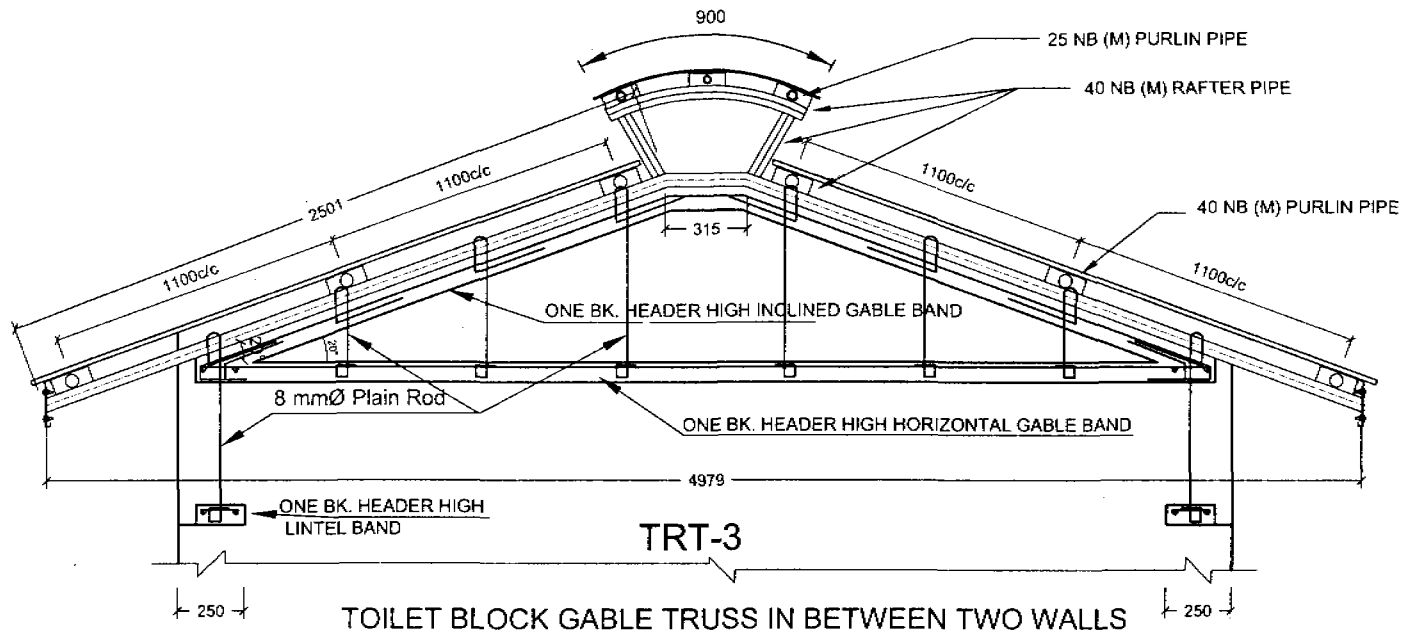


SECTION AT AA'

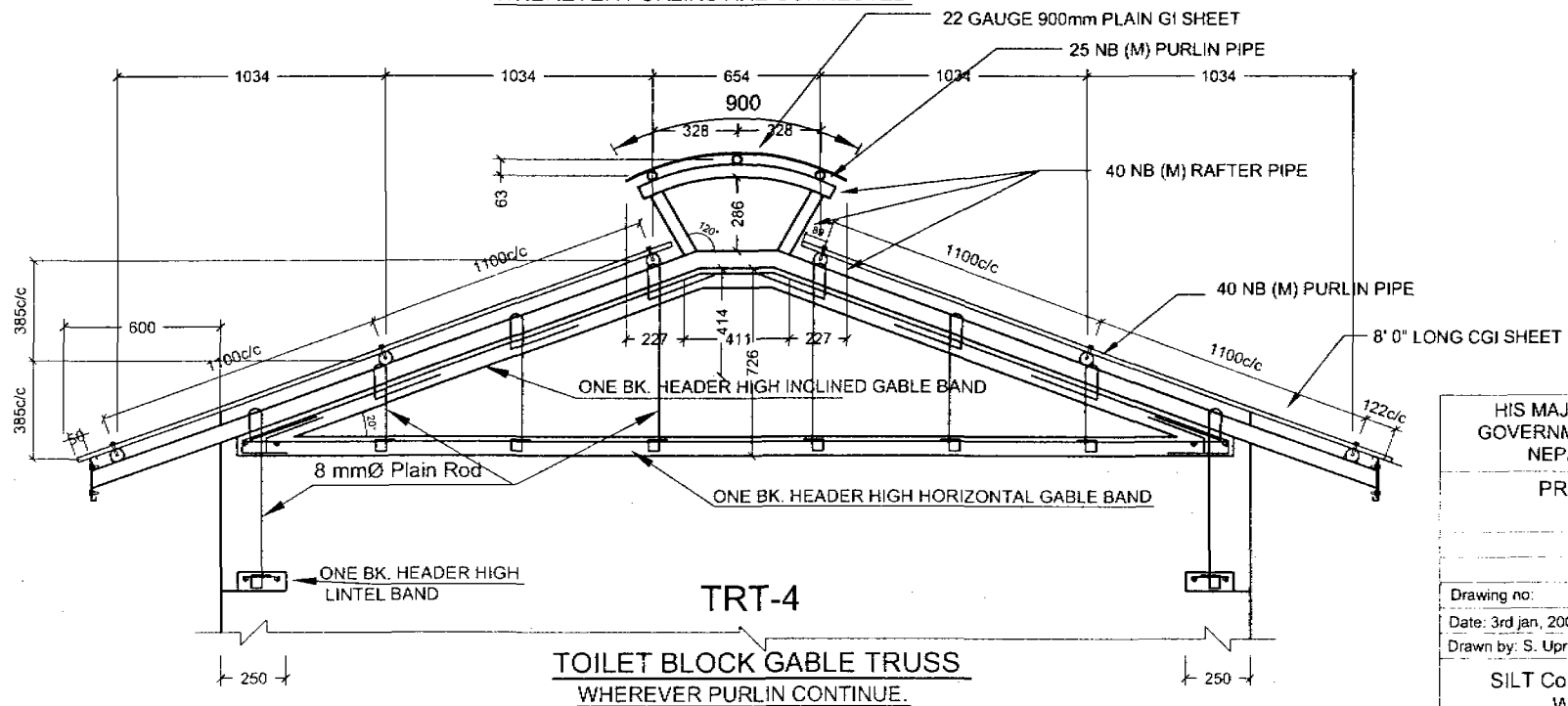
HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)	
Single Unit Toilet Block (Alternate)	
SECTION AT A-A'	
Drawing no: A -	Scale:
Date: 25th December, 2005	
Drawn by: P.Thakur	Checked by:
Approved by:	
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	



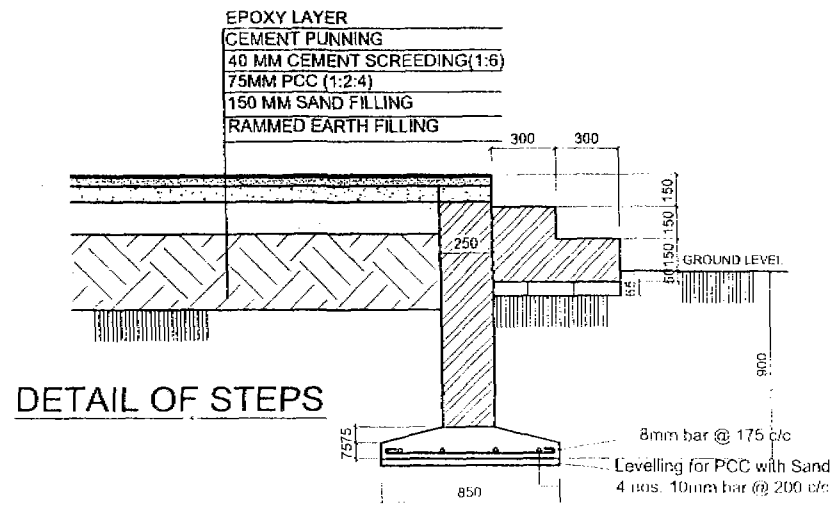
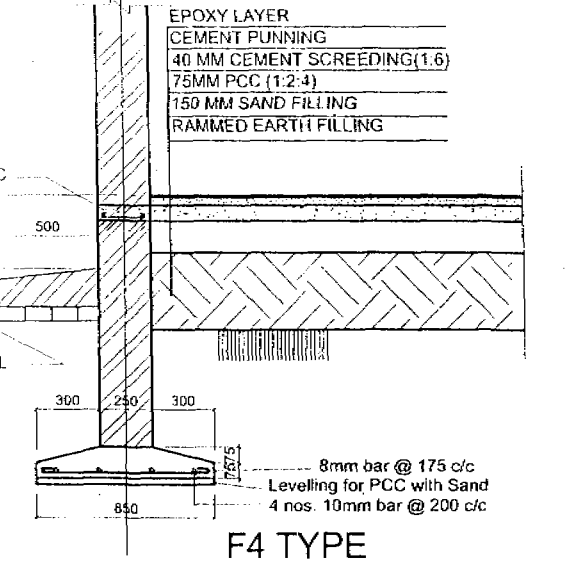
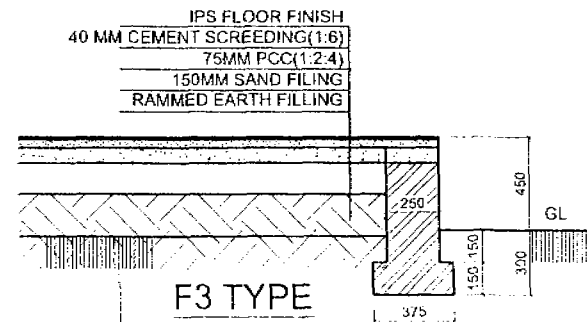
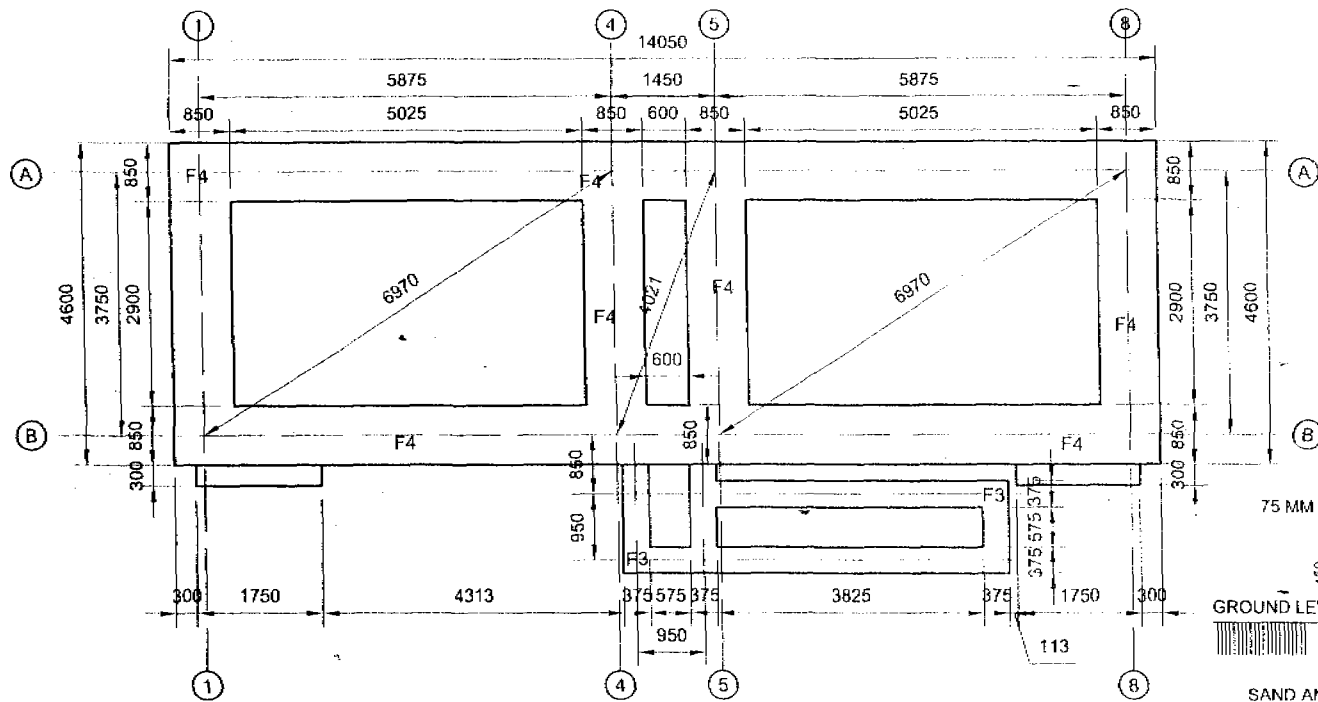
HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)	
TYPE DESIGN Truss Details (Toilet Block)	
Drawing no.:	Scale: 1:20
Date: 3rd Jan, 2006	
Drawn by: S. Upreth	Checked by: Approved by:
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	



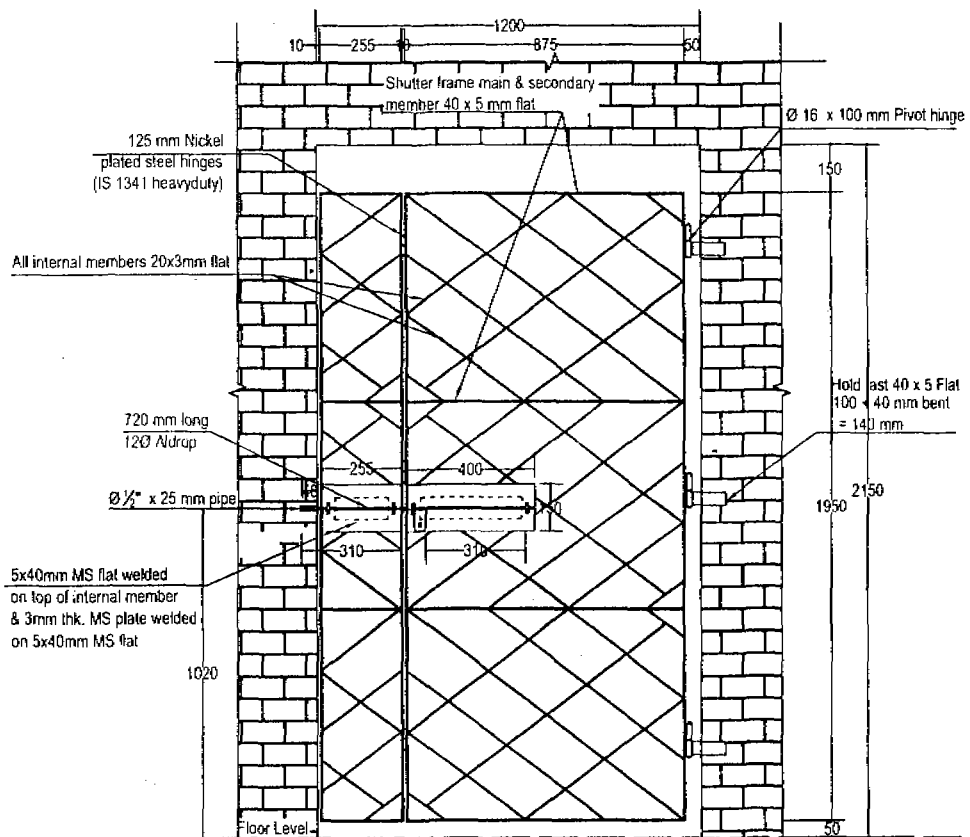
WHEREVER PURLINS ARE CONNECTED



HIS MAJESTY'S GOVERNMENT OF NEPAL		UNICEF-Nepal	
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)			
TYPE DESIGN			
Truss Details (Toilet Block)			
Drawing no:		Scale: 1:20	
Date: 3rd Jan, 2006			
Drawn by: S. Upreti		Checked by:	Approved by:
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC			

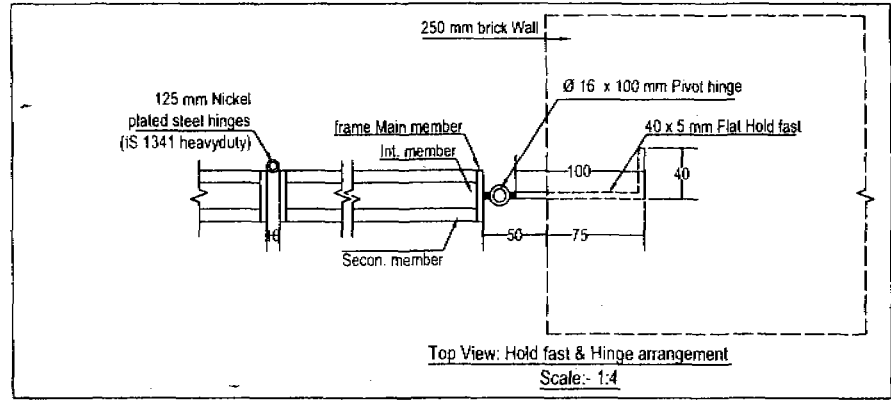


HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)	
Single Unit Toilet Block	
TRENCH PLAN & FOUNDATION DETAILS	
Drawing no: S	Scale:
Date: 21st Nov, 2005	
Drawn by: P.Thakur	Checked by: Approved by:
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	

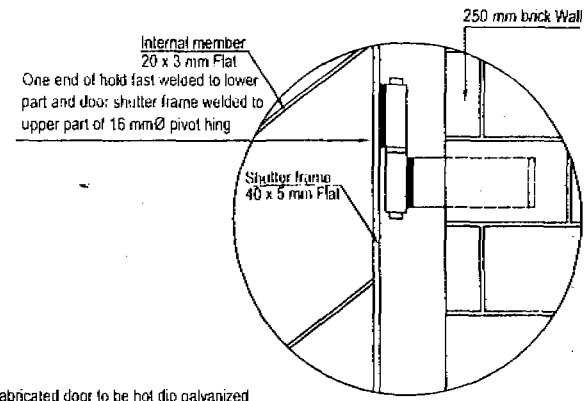


Door Elevation
Scale:- 1:16
TOILET ENTRANCE MS GATE

Dimensions are in mm



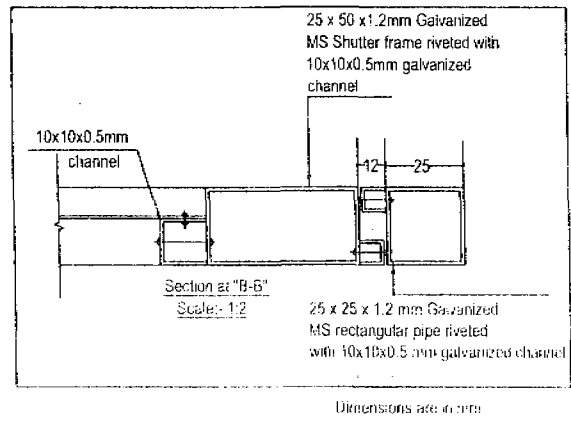
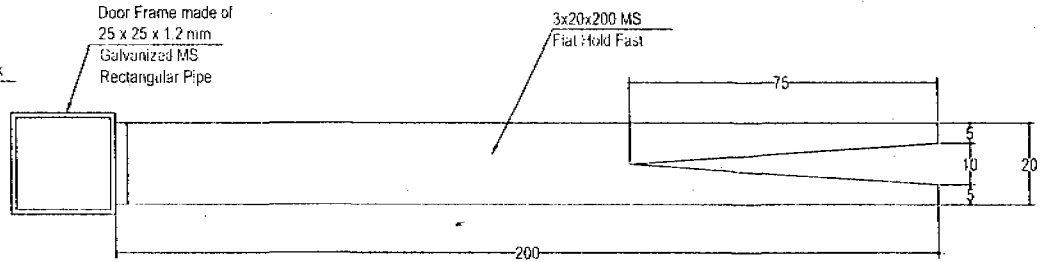
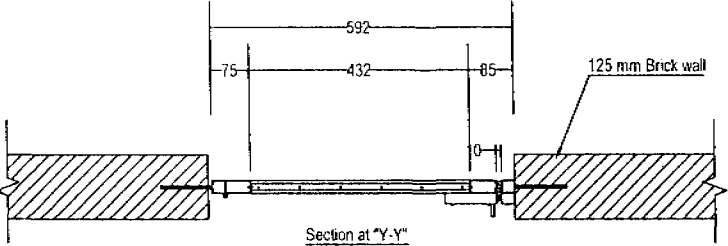
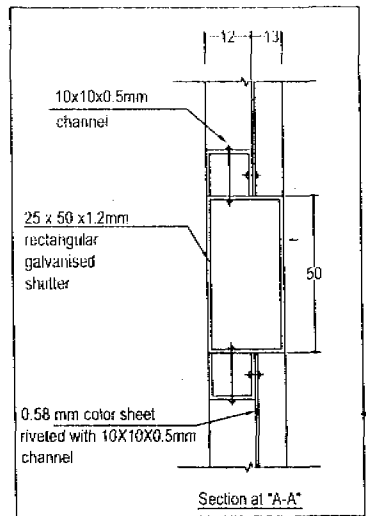
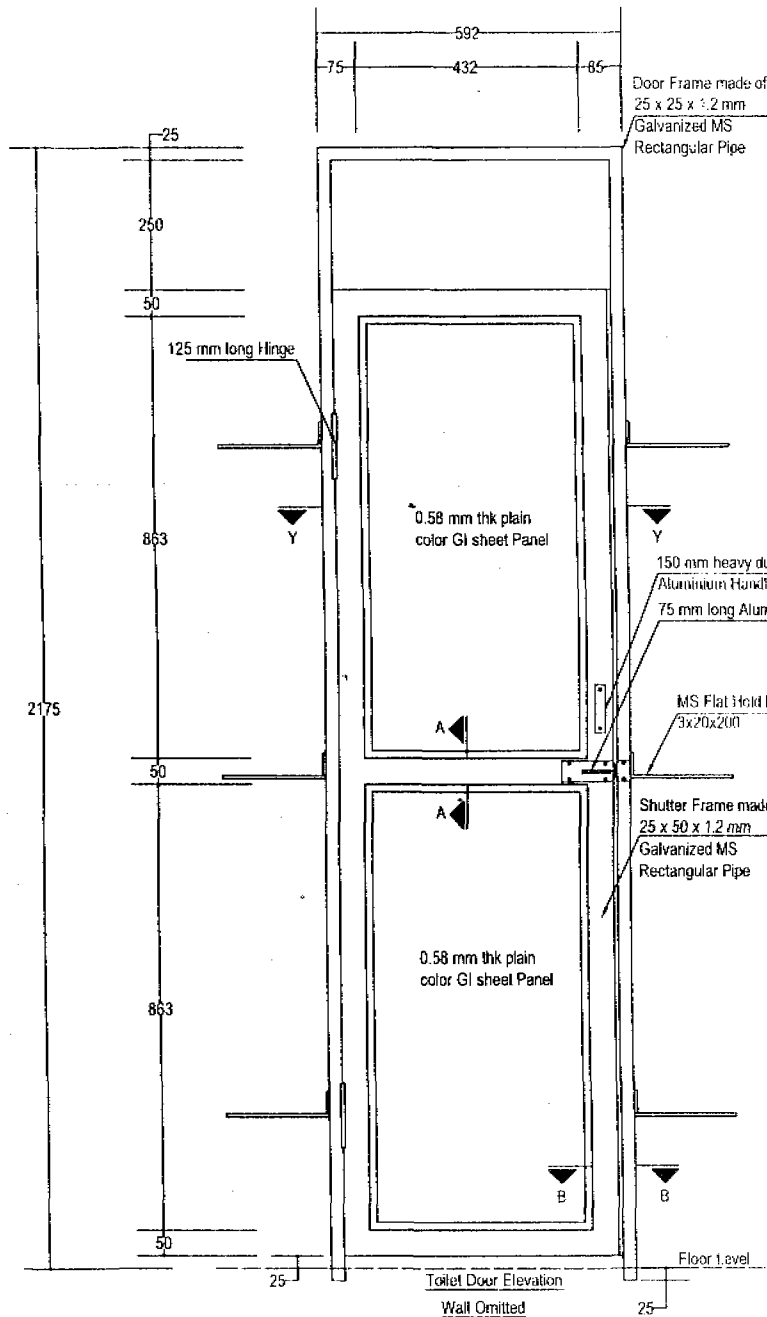
Top View: Hold fast & Hinge arrangement
Scale:- 1:4



Hinge fixing detail
Scale:- 1:4

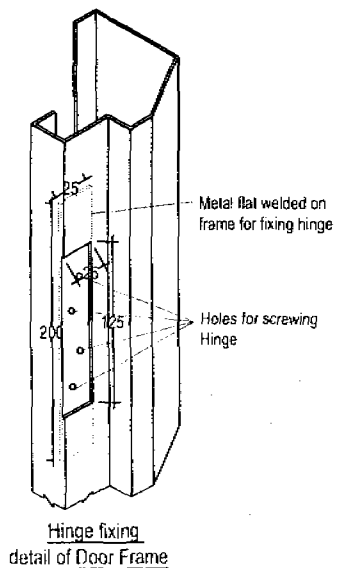
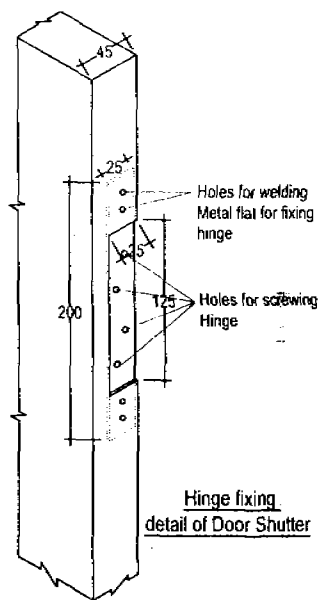
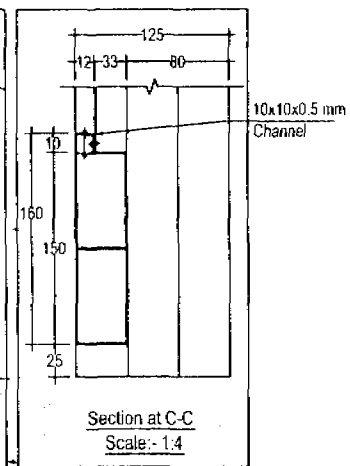
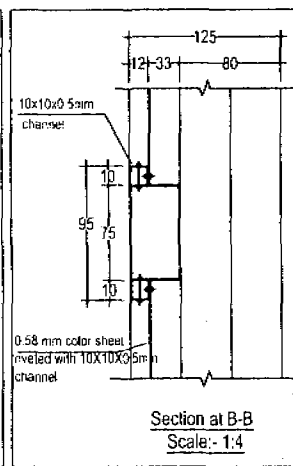
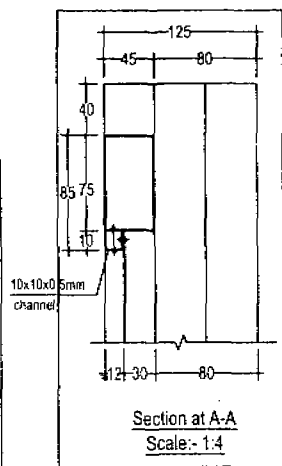
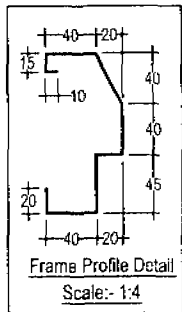
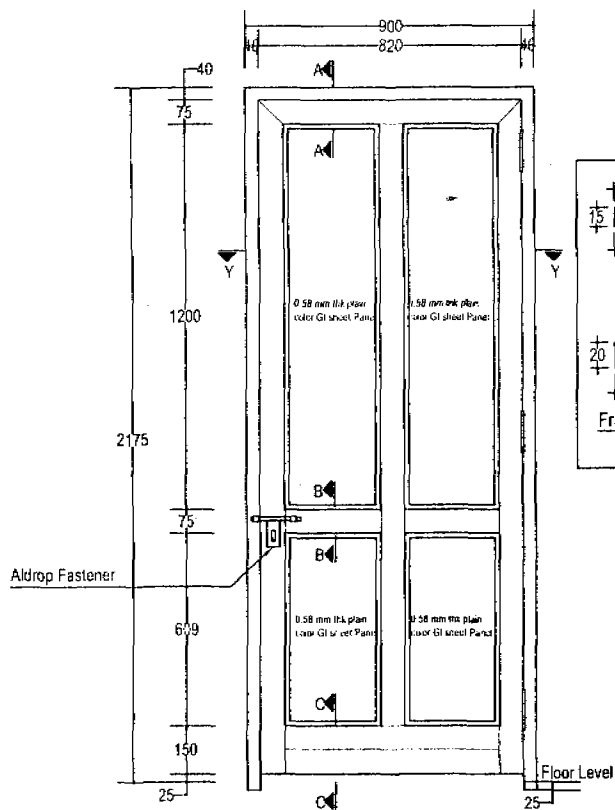
Note:
1. Complete fabricated door to be hot dip galvanized

HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)	
TOILET BLOCK	
Entrance Gate Details (EG1)	
Drawing no: A -	Scale:
Date: 26th Dec, 2006	
Drawn by: P. Aryal	Checked by: Approved by:
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	



Refer dimensions as mentioned in drawing.
Dimensions are not to measure only to read.

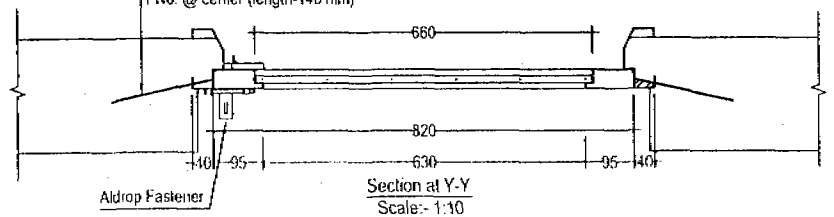
HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)	
TOILET BLOCK	
Door Details (D3)	
Drawing no: A -	Scale:
Date: 21st Dec, 2005	
Drawn by: P. Aryal	Checked by: _____
Approved by _____	
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	



Dimensions are in mm

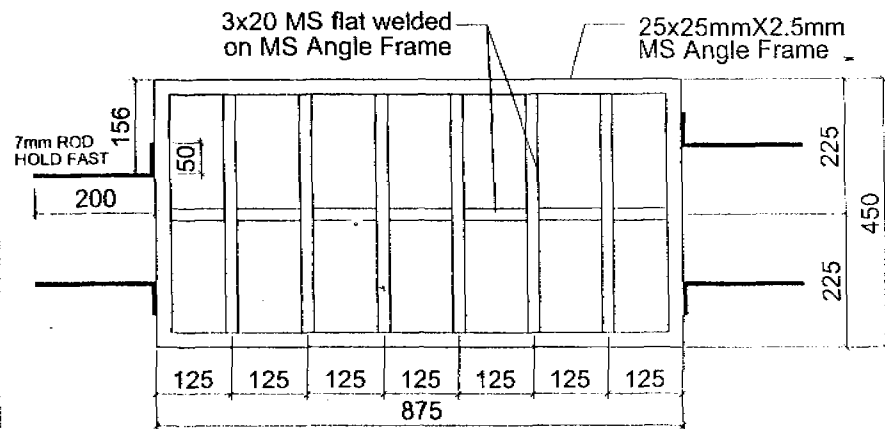
Wall and hole fast omitted

- 3 Nos. 7mm Torxari reinforcing bar
Hold fast on both sides-
- 2 Nos. @ 200 mm from both ends-
- 1 No. @ center (length-140 mm)

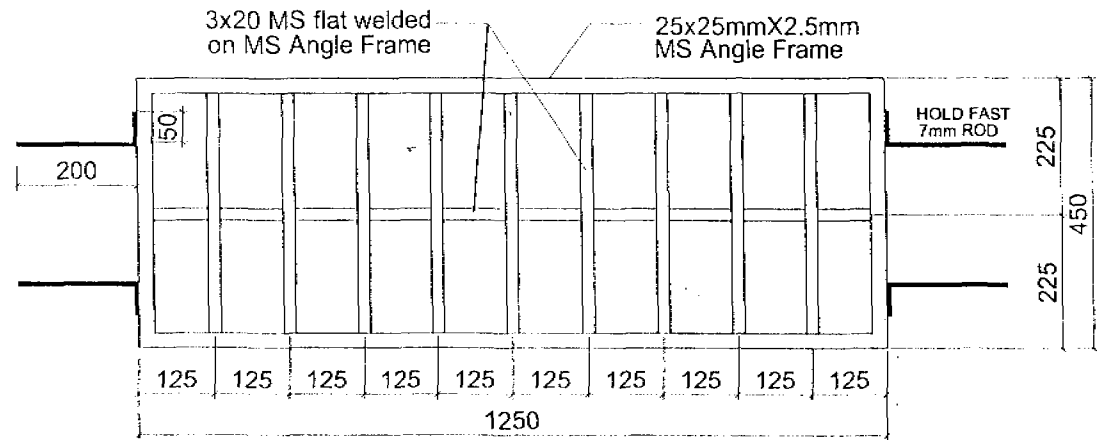


- Note:**
1. Frame Profile to be made from 1.6 mm thk Galvanized MS sheet
 2. Shutter to be made from 1.2 mm Galvanised MS Sheet.

HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)	
TOILET BLOCK Door Details (D2)	
Drawing no: A-	Scale:
Date: 21st Dec, 2015	
Drawn by: P. Aryal	Checked by: Approved by:
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	

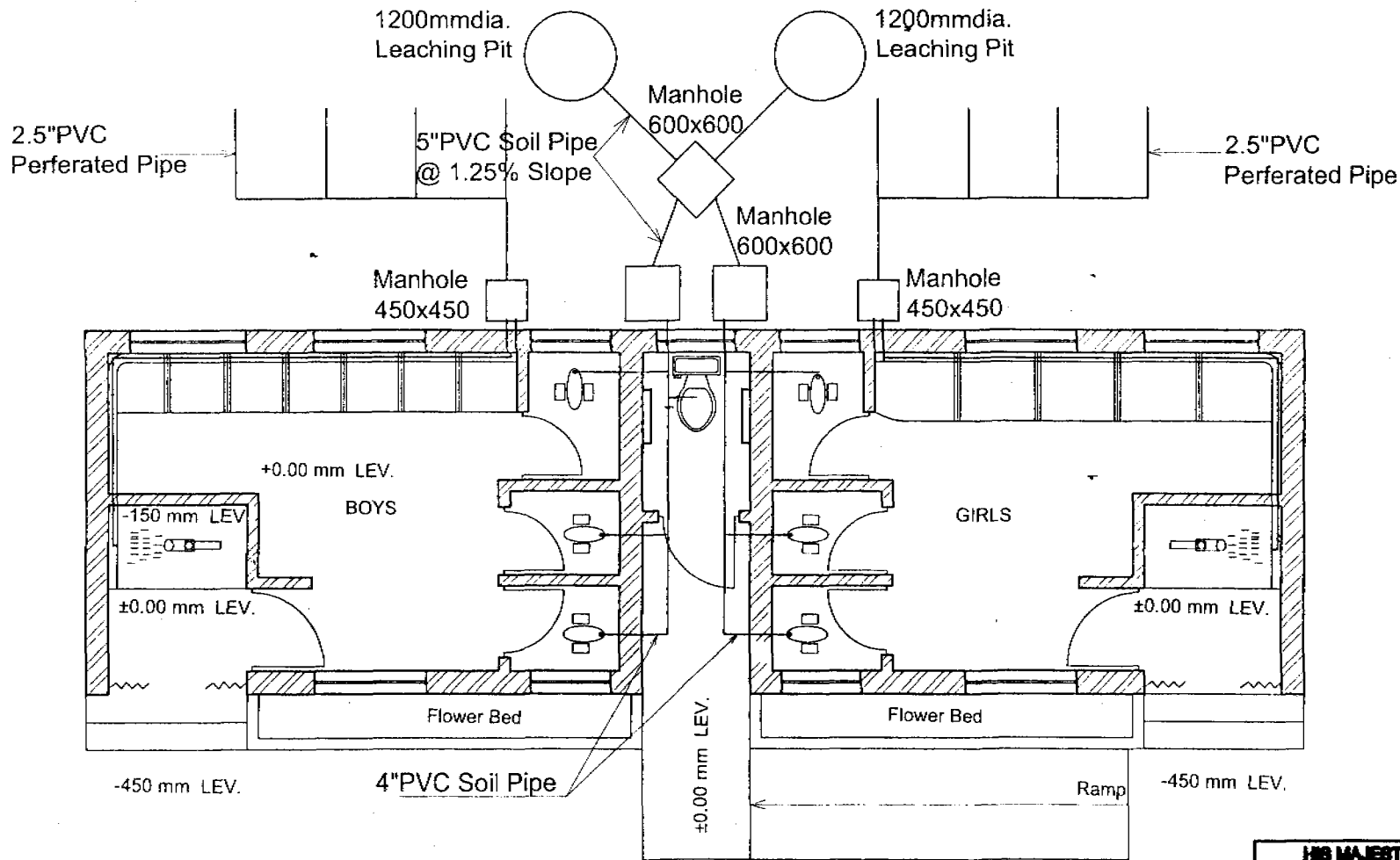


WINDOW GRILL (WG1)



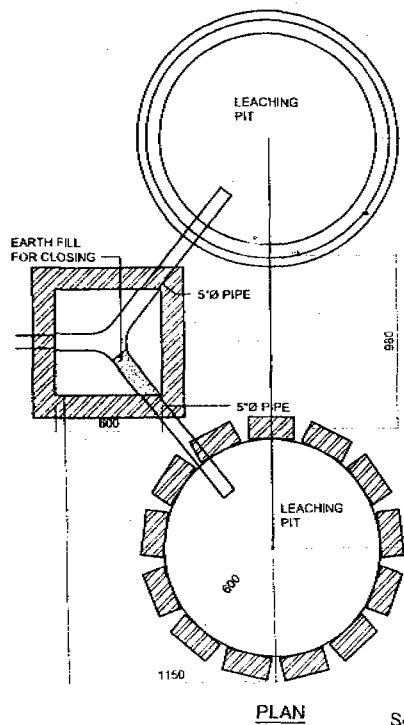
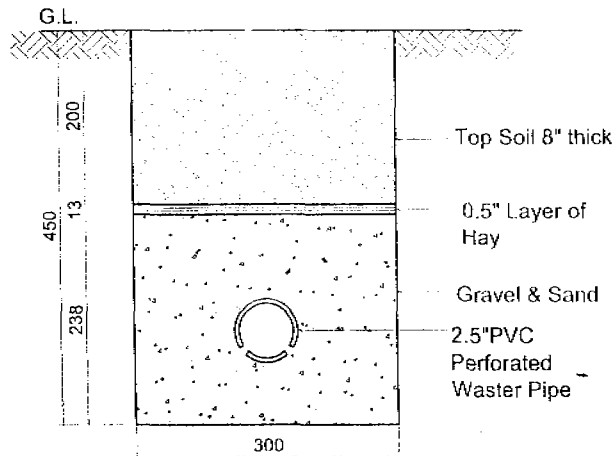
WINDOW GRILL (WG2)

HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)	
Single Unit Toilet Block	
Window Grill Details	
Drawing no: A	Scale:
Date: 25th December, 2005	
Drawn by: P.Thakur	Checked by:
Approved by:	
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	

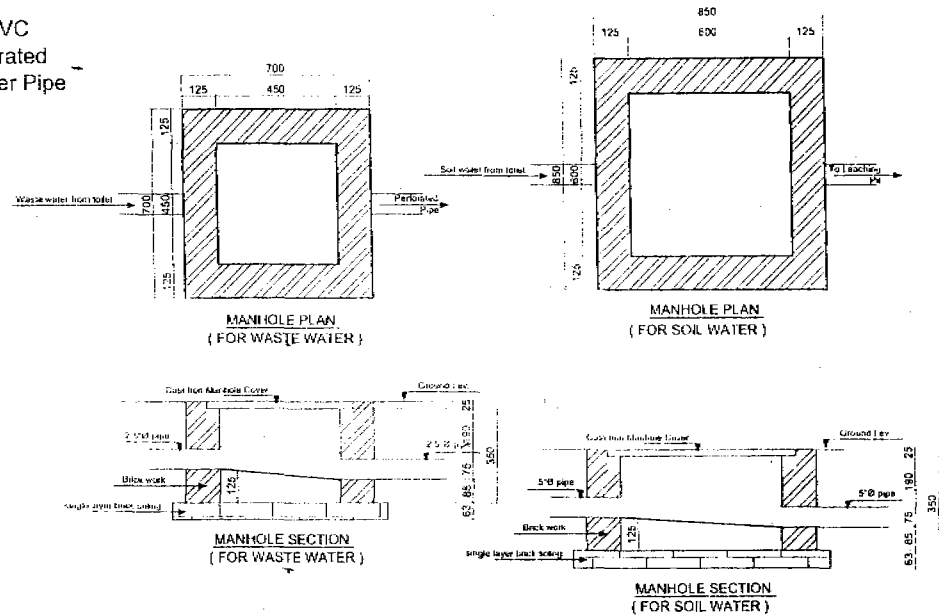
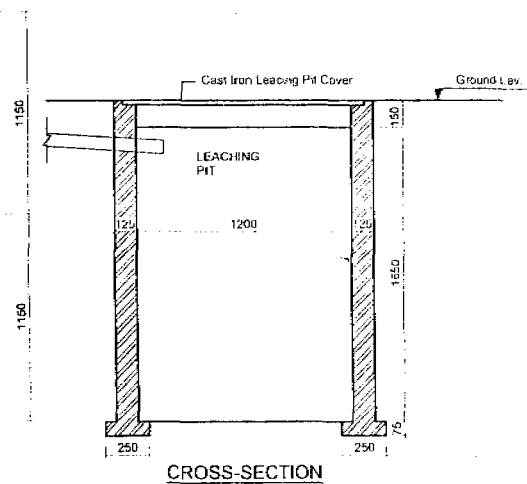


GROUND FLOOR PLAN

HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSP)	
Single Unit Toilet Block	
Waste and Sewerage Pipe Line Diagram	
Drawing no: SA-	Scale:
Date: 11th July, 2008	
Drawn by: P.Thaler	Checked by: Approved by:
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	

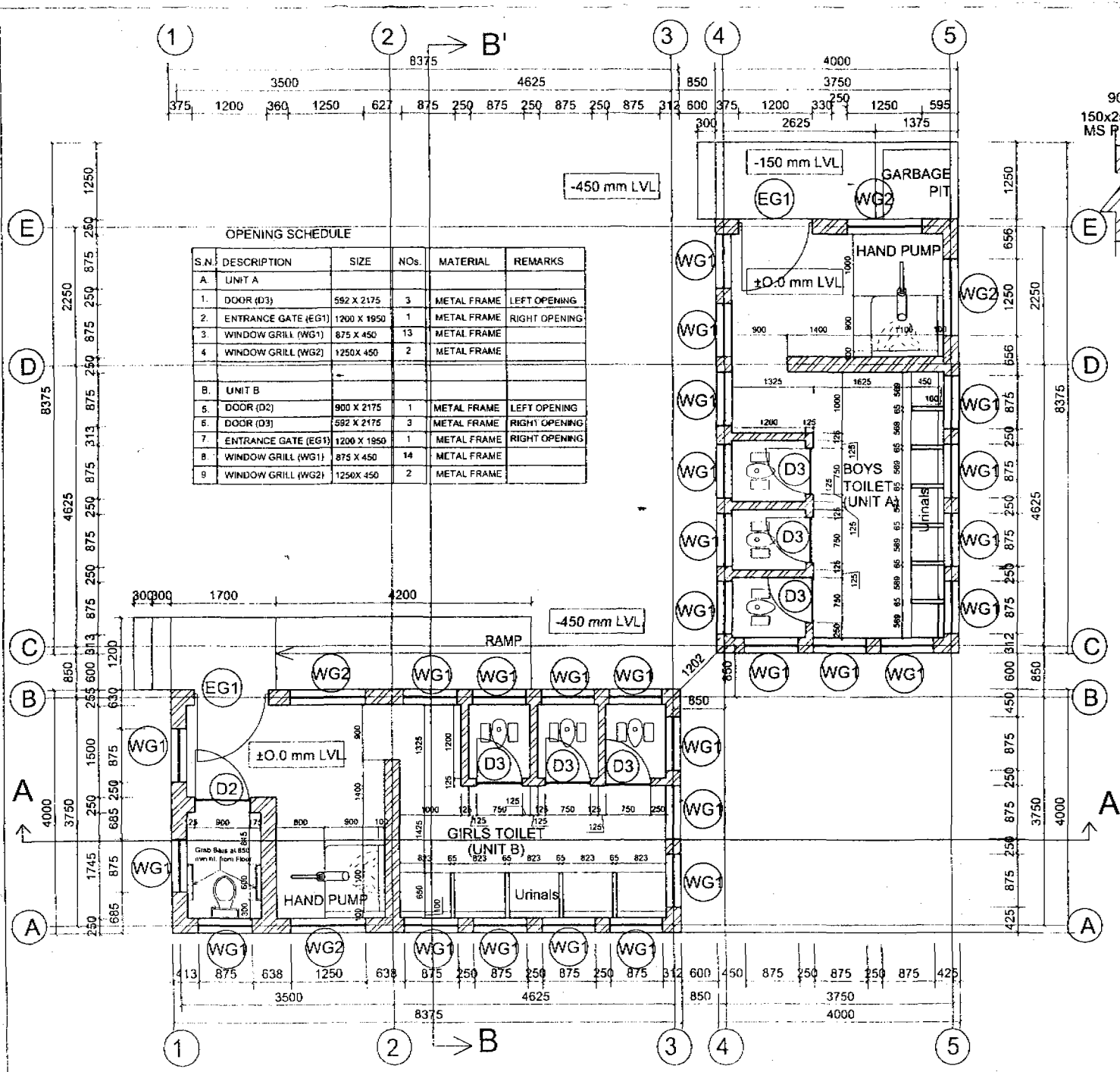


Scale: 1:20



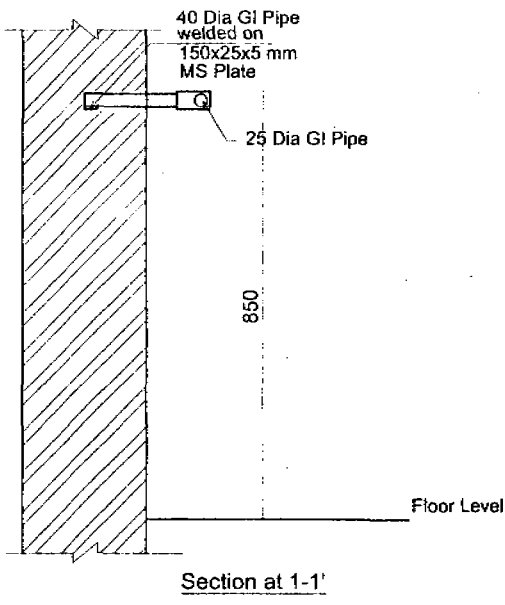
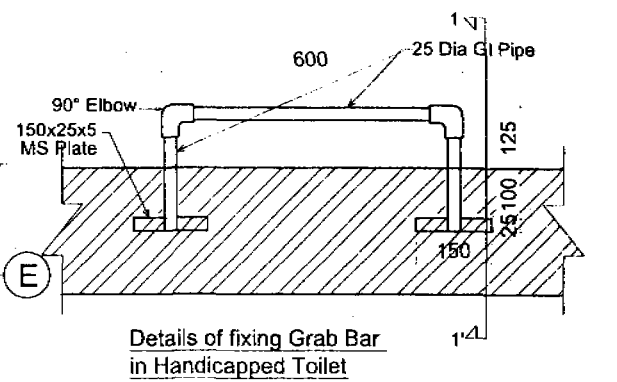
HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)	
Double Unit Toilet Block	
Manhole & Leaching Pit Detail	
Drawing no: SA-	Scale:
Date: 11th July, 2005	
Drawn by: P. Aryal	Checked by:
Approved by:	
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	

Double Unit Toilet Block
Unit A and Unit B

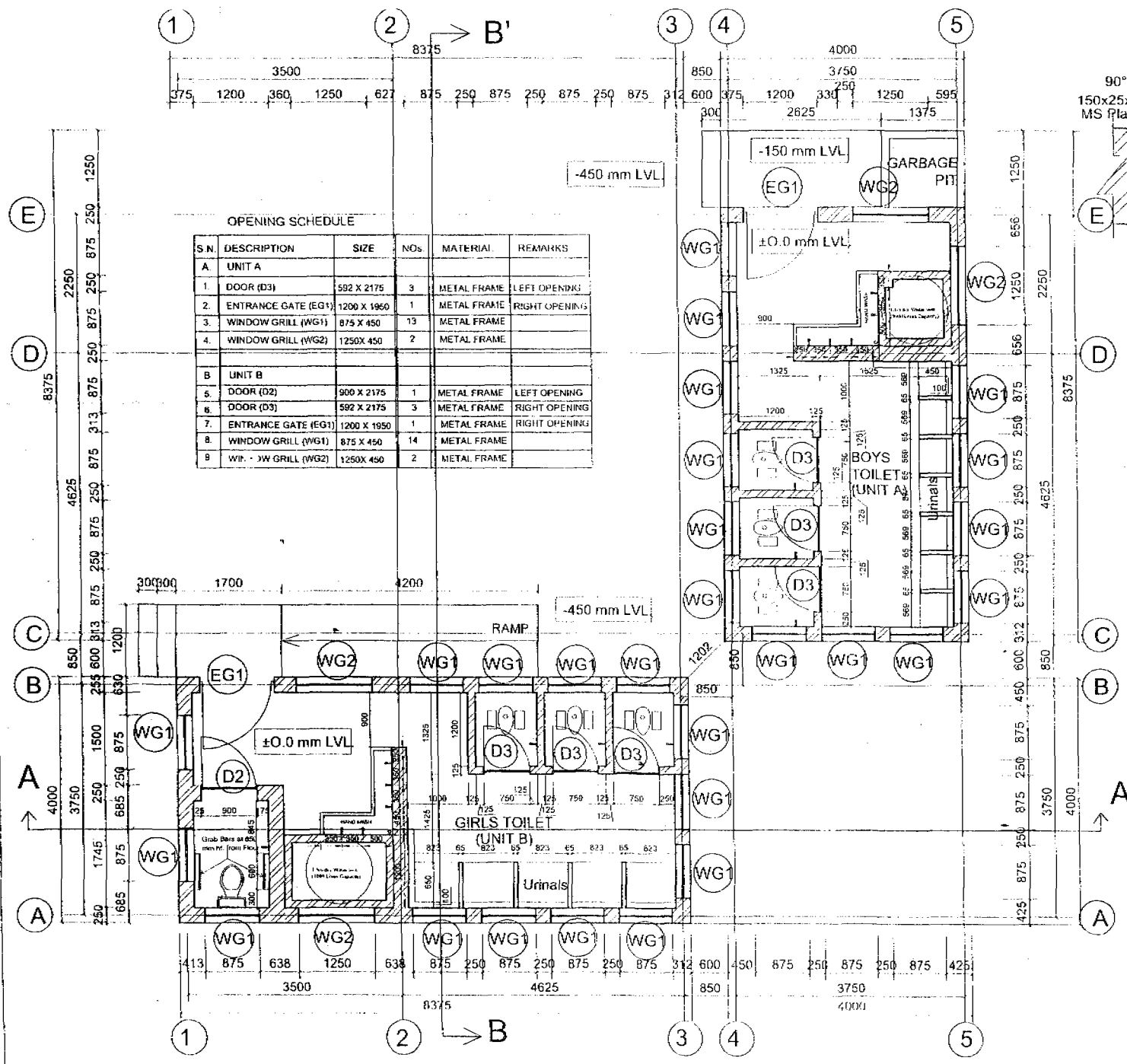


OPENING SCHEDULE

S.N.	DESCRIPTION	SIZE	Nos.	MATERIAL	REMARKS
A. UNIT A					
1.	DOOR (D3)	592 X 2175	3	METAL FRAME	LEFT OPENING
2.	ENTRANCE GATE (EG1)	1200 X 1950	1	METAL FRAME	RIGHT OPENING
3.	WINDOW GRILL (WG1)	875 X 450	13	METAL FRAME	
4.	WINDOW GRILL (WG2)	1250 X 450	2	METAL FRAME	
B. UNIT B					
5.	DOOR (D2)	900 X 2175	1	METAL FRAME	LEFT OPENING
6.	DOOR (D3)	592 X 2175	3	METAL FRAME	RIGHT OPENING
7.	ENTRANCE GATE (EG1)	1200 X 1950	1	METAL FRAME	RIGHT OPENING
8.	WINDOW GRILL (WG1)	875 X 450	14	METAL FRAME	
9.	WINDOW GRILL (WG2)	1250 X 450	2	METAL FRAME	

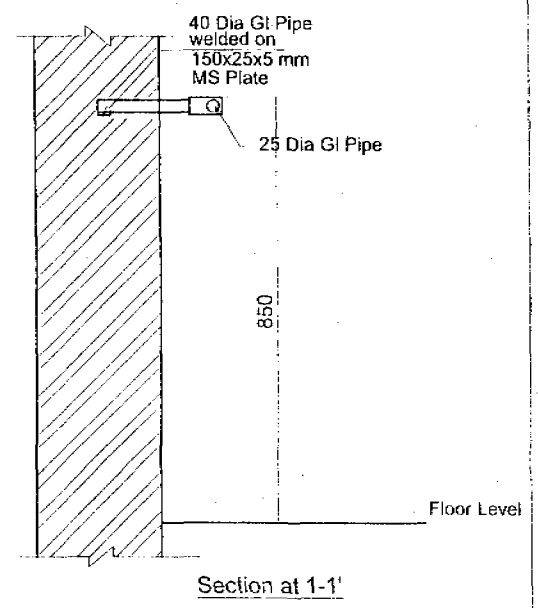
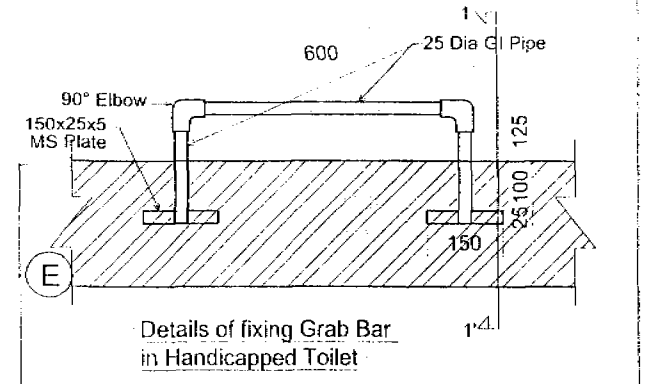


HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal	
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)		
Double Unit Toilet Block		
Detail Plan (Toilet Block)		
Drawing no: A -	Scale:	
Date: 25th December, 2006		
Drawn by: P. Aryal	Checked by:	Approved by:
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC		

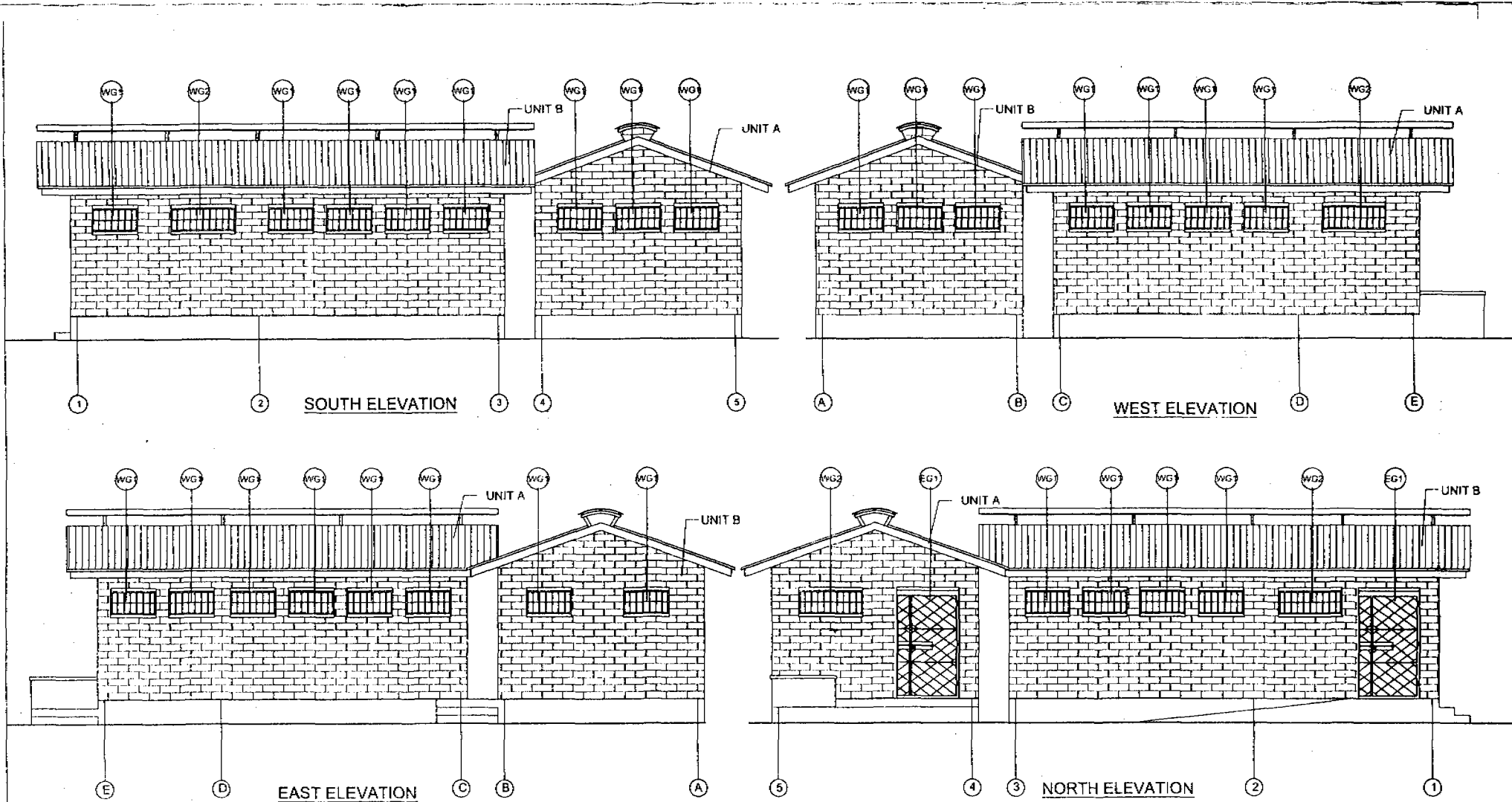


OPENING SCHEDULE

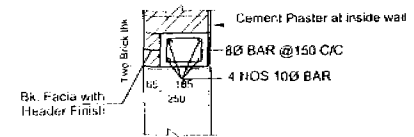
S.N	DESCRIPTION	SIZE	NOS.	MATERIAL	REMARKS
A UNIT A					
1.	DOOR (D3)	592 X 2175	3	METAL FRAME	LEFT OPENING
2.	ENTRANCE GATE (EG1)	1200 X 1950	1	METAL FRAME	RIGHT OPENING
3.	WINDOW GRILL (WG1)	875 X 450	13	METAL FRAME	
4.	WINDOW GRILL (WG2)	1250 X 450	2	METAL FRAME	
B UNIT B					
5.	DOOR (D2)	900 X 2175	1	METAL FRAME	LEFT OPENING
6.	DOOR (D3)	592 X 2175	3	METAL FRAME	RIGHT OPENING
7.	ENTRANCE GATE (EG1)	1200 X 1950	1	METAL FRAME	RIGHT OPENING
8.	WINDOW GRILL (WG1)	875 X 450	14	METAL FRAME	
9.	WINDOW GRILL (WG2)	1250 X 450	2	METAL FRAME	



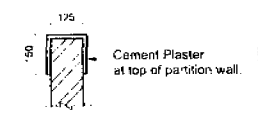
HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)	
Double Unit Toilet Block Detail Plan (Toilet Block) Alternate	
Drawing no: A -	Scale:
Date: 25th December, 2005	
Drawn by: P. Aryal	Checked by: _____
Approved by: _____	
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	



HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)	
Double Unit Toilet Block	
Elevations (Toilet Block)	
Drawing no: A -	Scale:
Date: 25th December, 2005	
Drawn by: P. Aryal	Checked by:
Approved by:	
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	

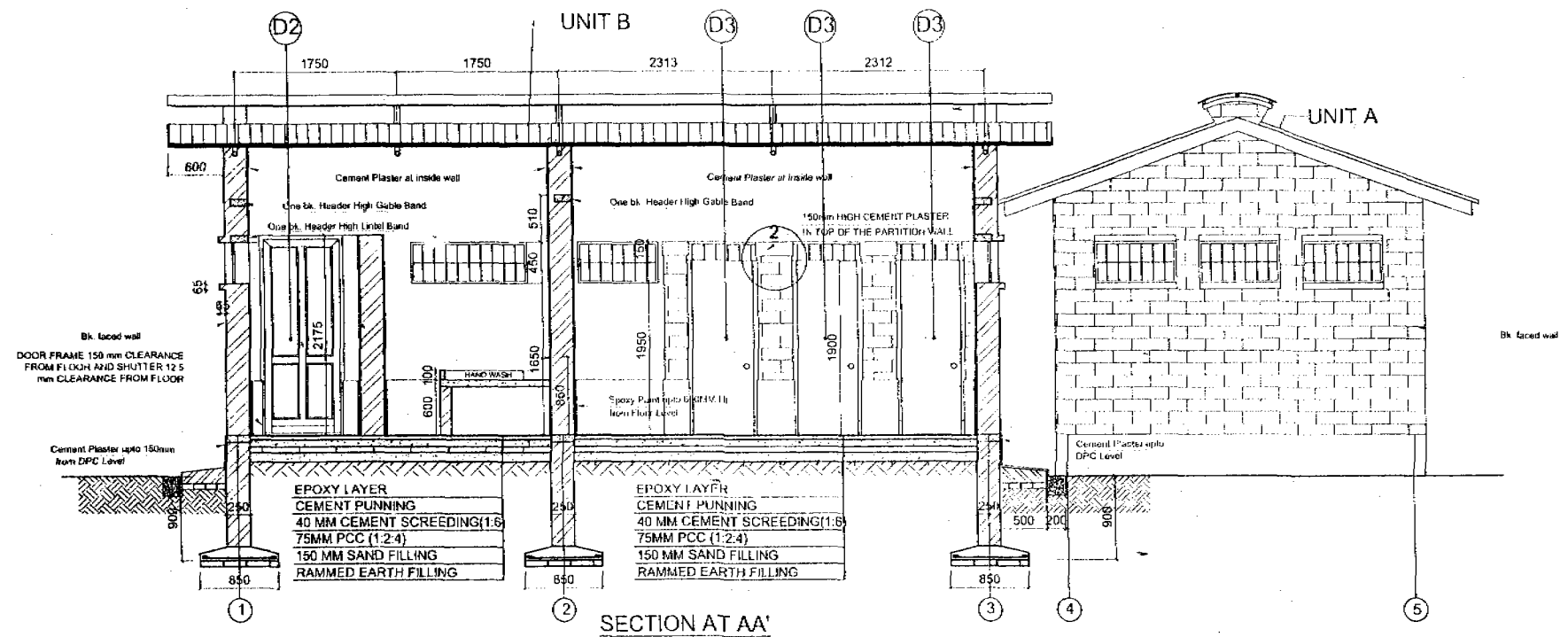


Lintel Detail for openings above 1200mm
DETAIL 1

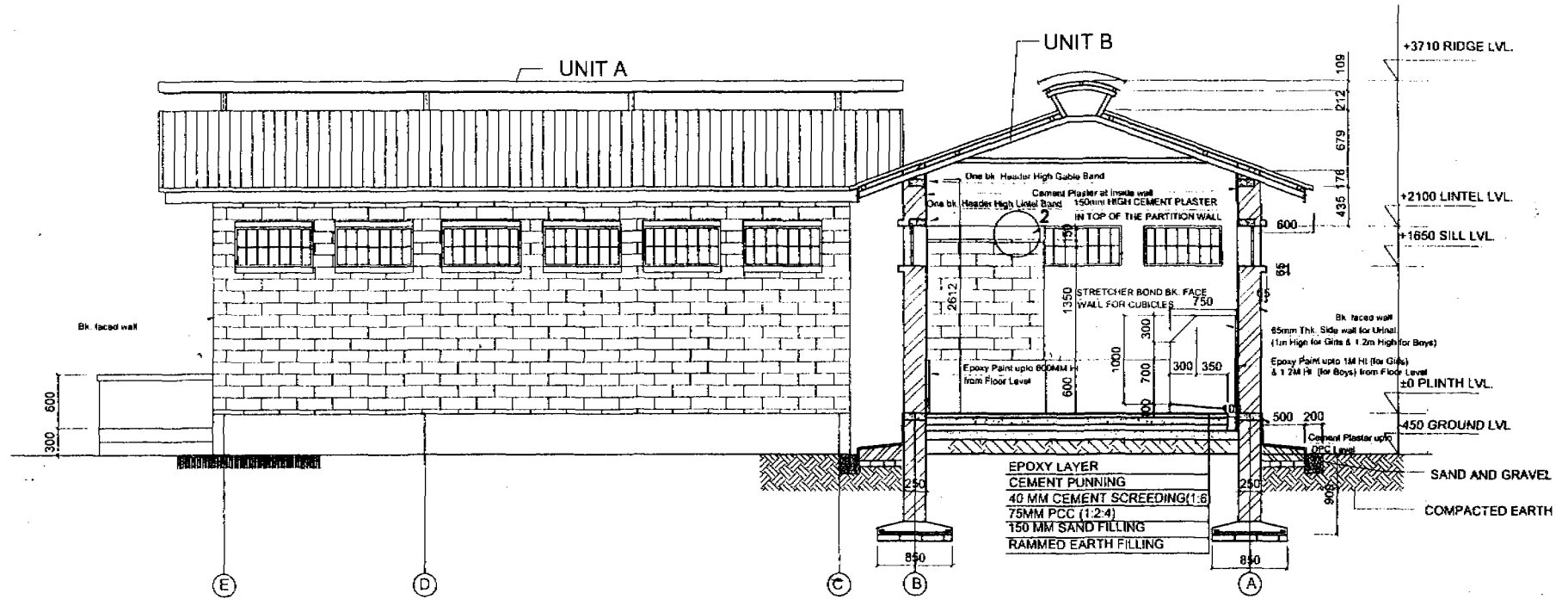


DETAIL 2

Scale 1:20

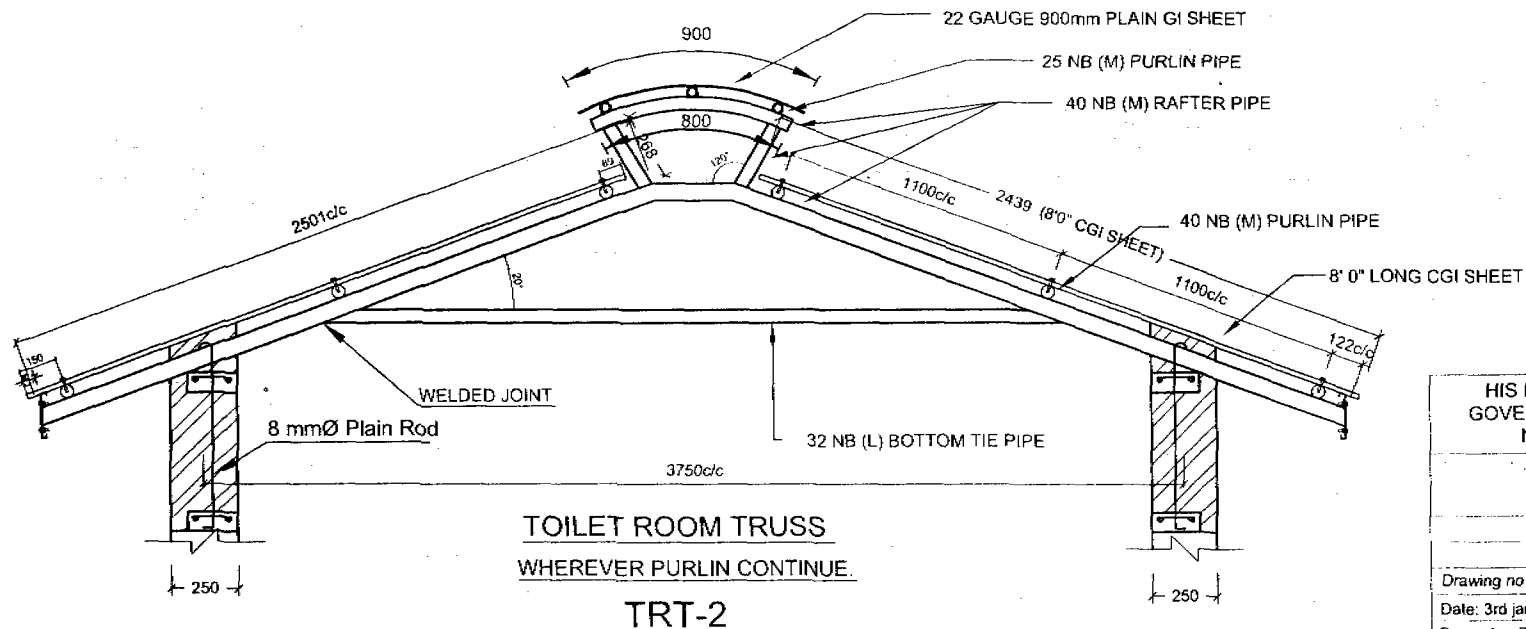
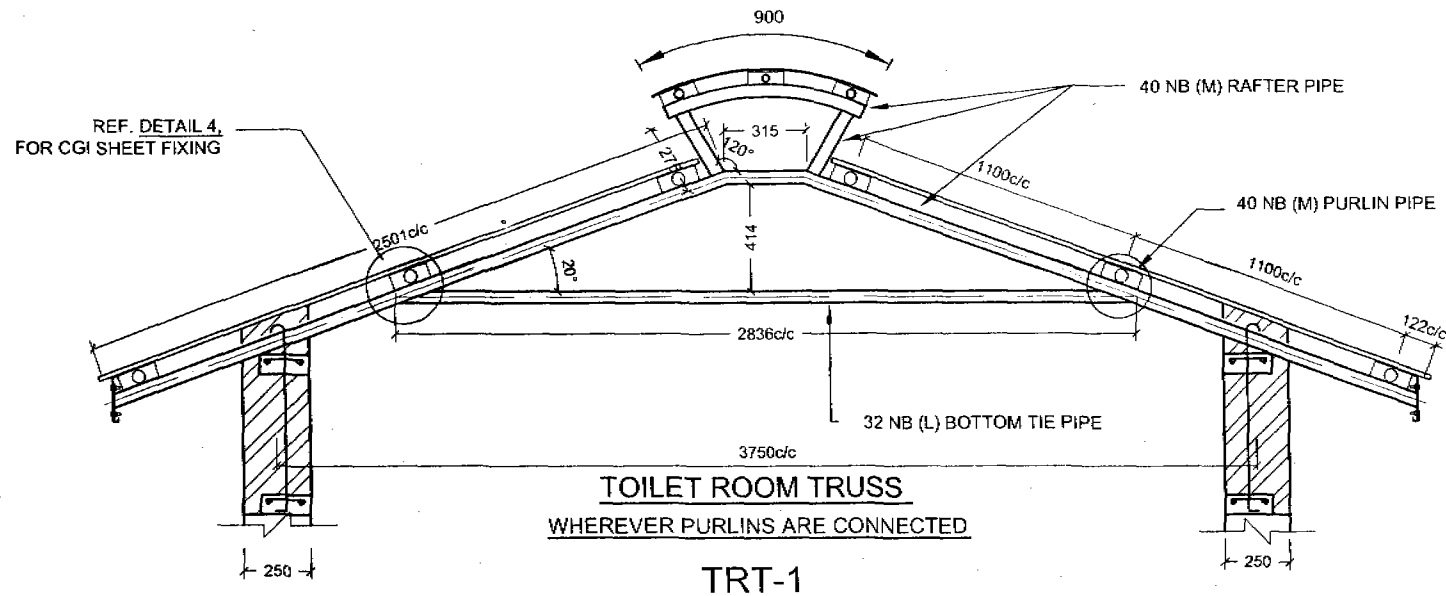


HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)	
Double Unit Toilet Block Section at A-A' (Toilet Block) Alternate	
Drawing no: A-	Scale:
Date: 25th December, 2005	
Drawn by: P. Aryal	Checked by: Approved by:
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	

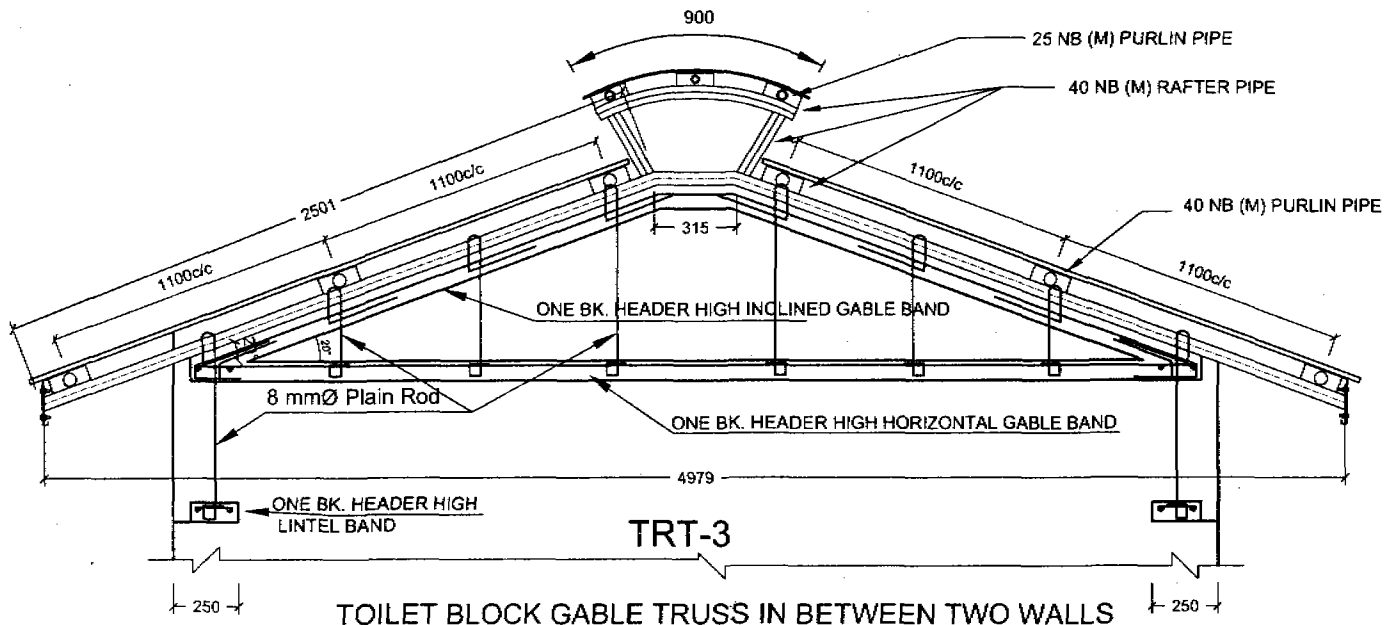


SECTION AT BB'

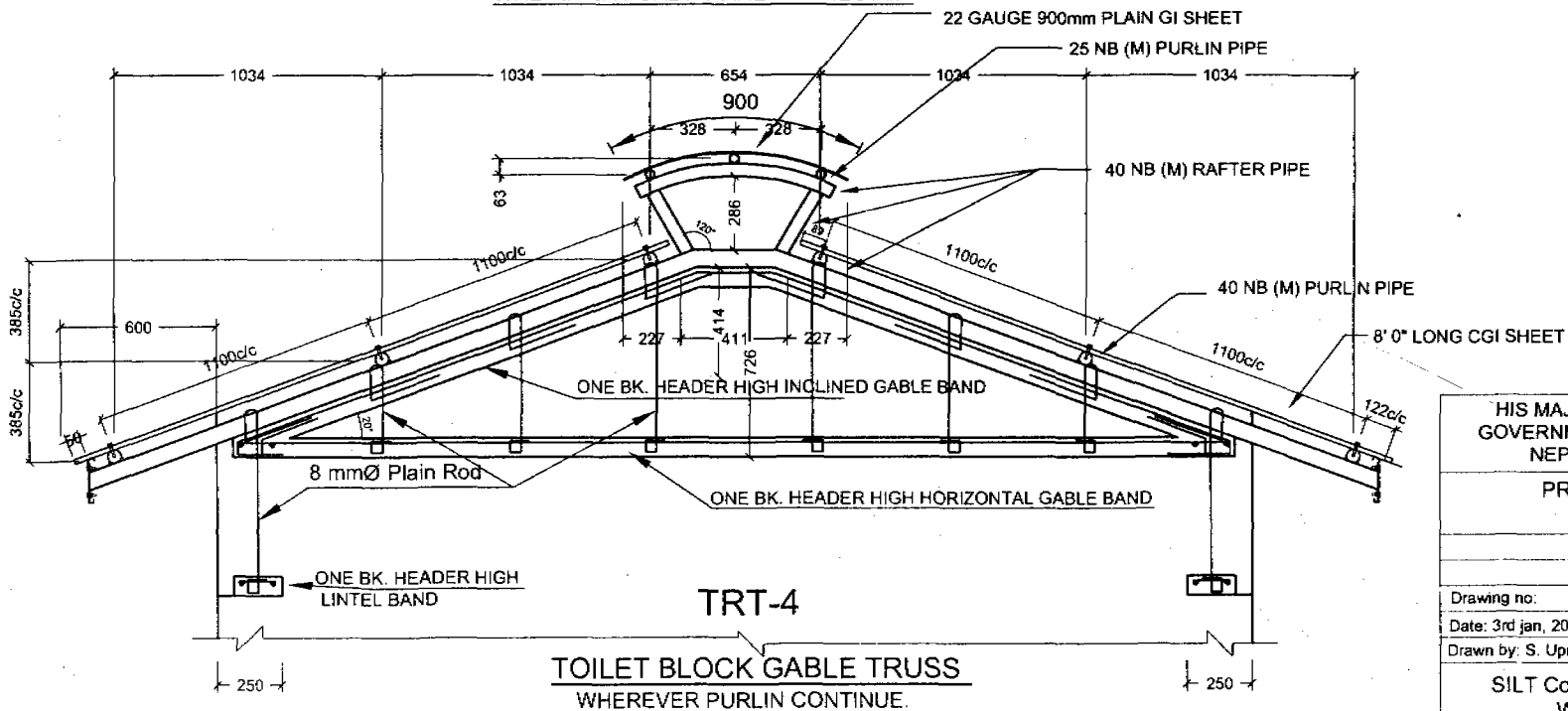
HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)	
Double Unit Toilet Block	
Section at B-B' (Toilet Block)	
Drawing no: A -	Scale:
Date: 25th December, 2005	
Drawn by: P. Aryal	Checked by: Approved by:
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	



HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)	
TYPE DESIGN Truss Details (Toilet Block)	
Drawing no.	Scale: 1:20
Date: 3rd jan, 2006	
Drawn by: S. Upreti	Checked by: _____ Approved by: _____
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	



WHEREVER PURLINS ARE CONNECTED



HIS MAJESTY'S
GOVERNMENT OF
NEPAL

UNICEF-Nepal

PRIMARY SCHOOL IMPROVEMENT
PROJECT (PSIP)

TYPE DESIGN

Truss Details (Toilet Block)

Drawing no.

Scale: 1:20

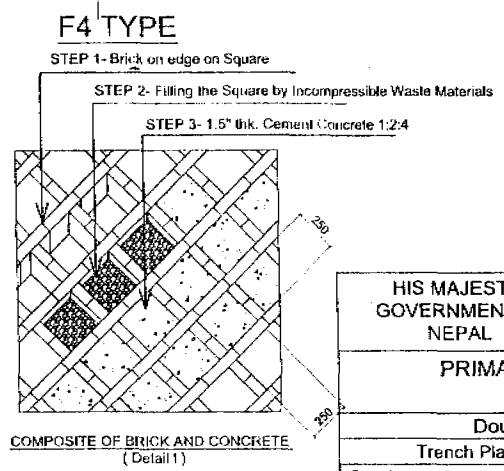
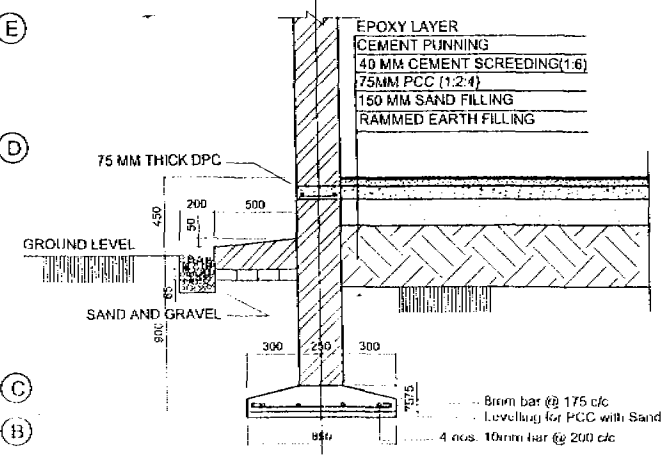
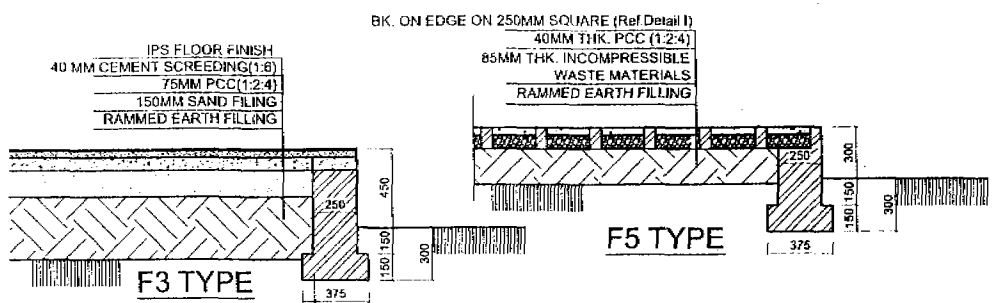
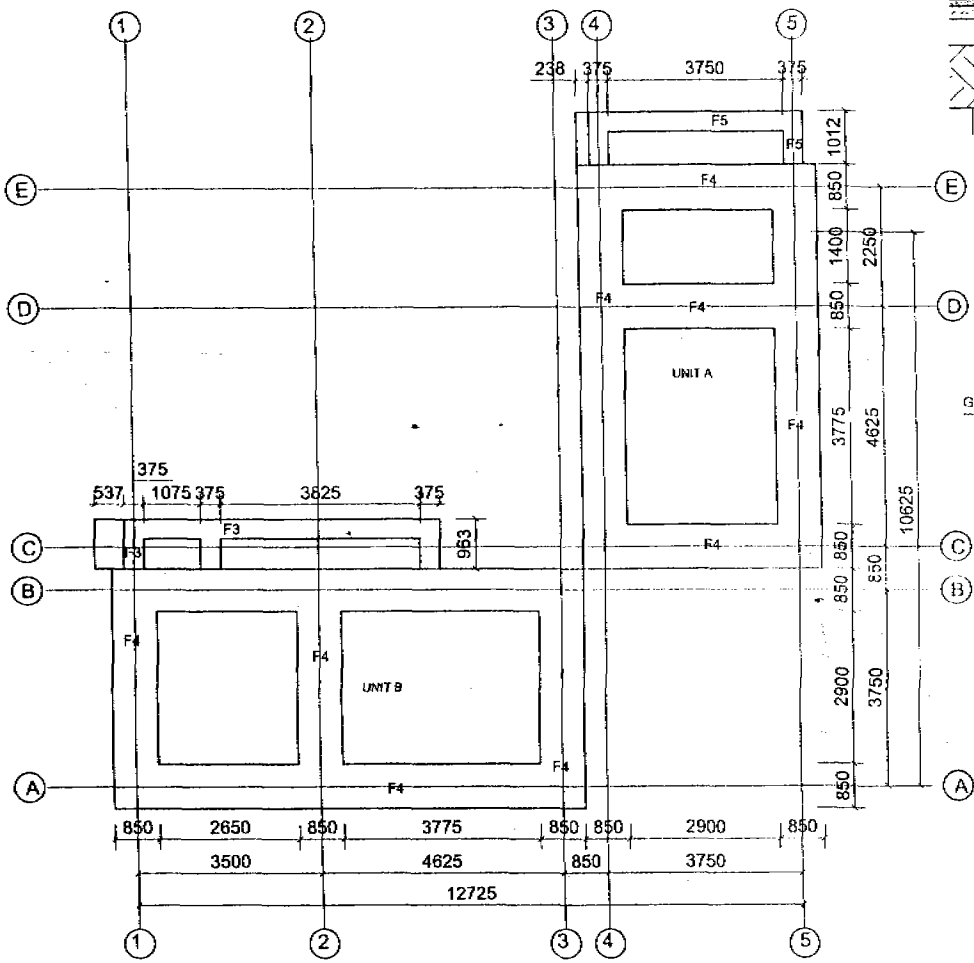
Date: 3rd jan, 2006

Drawn by: S. Upreti

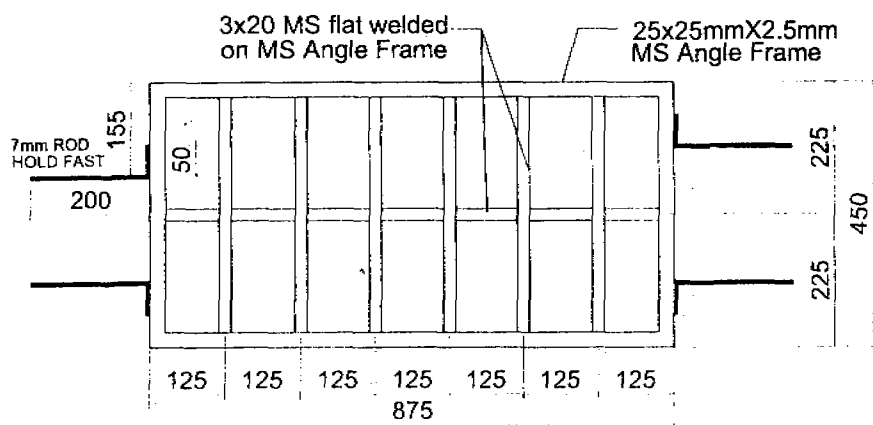
Checked by:

Approved by:

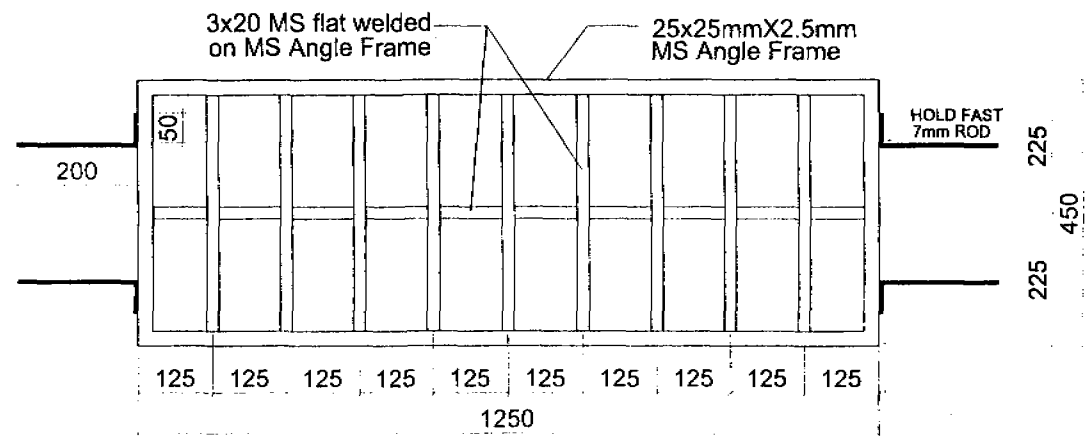
SILT Consultants (P) Ltd IN ASSOCIATION
WITH CERID, NLA and BTTC



HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)	
Double Unit Toilet Block	
Trench Plan & Foundation Details (Toilet Block)	
Drawing no: S-	Scale:
Date: 21st Nov, 2005	
Drawn by: P. Aryal	Checked by: Approved by:
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	

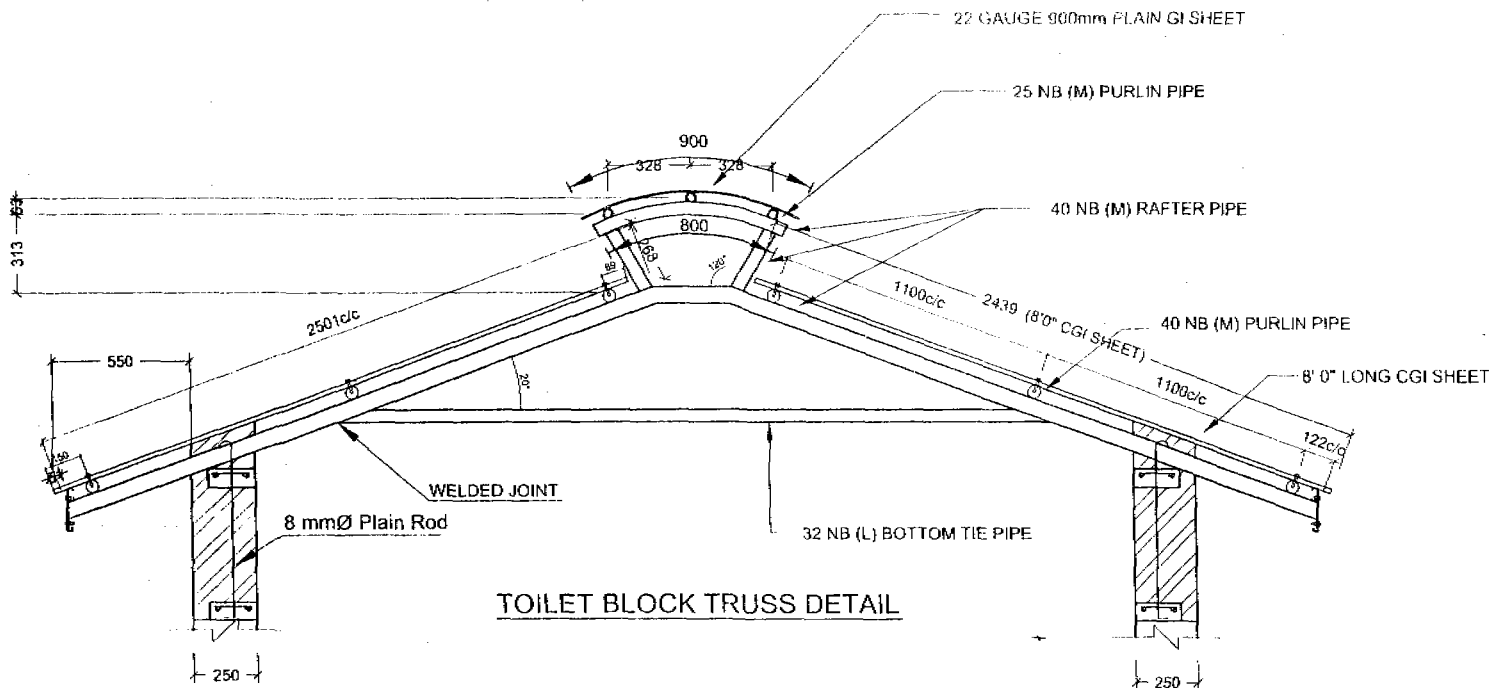


WINDOW GRILL (WG1)

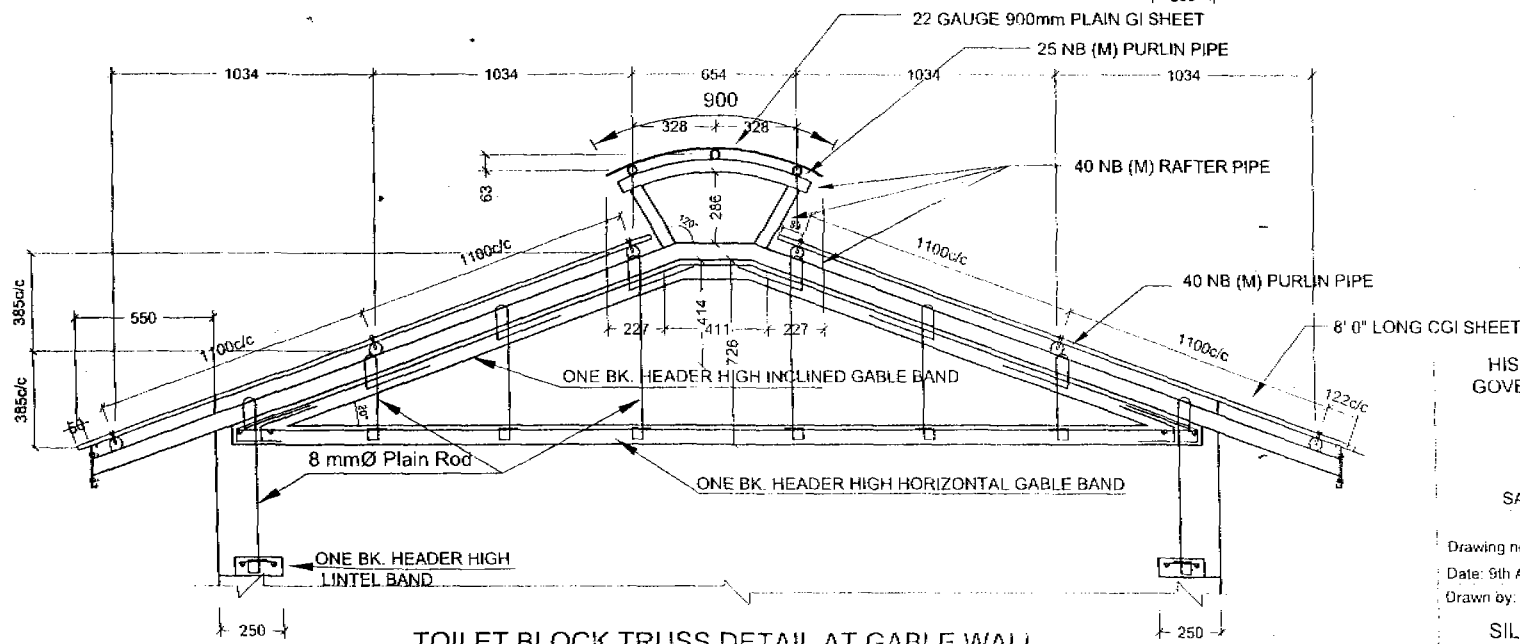


WINDOW GRILL (WG2)

HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)	
Double Unit Toilet Block	
Window Grill Details	
Drawing no: A -	Scale:
Date: 25th December, 2005	
Drawn by: P. Aryal	Checked by: Approved by:
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	



TOILET BLOCK TRUSS DETAIL



TOILET BLOCK TRUSS DETAIL AT GABLE WALL

HIS MAJESTY'S
GOVERNMENT OF
NEPAL

UNICEF-Nepal

PRIMARY SCHOOL IMPROVEMENT
PROJECT (PSIP)

SARASWOTI PRIMARY SCHOOL, Sirsiya, Parsa
Truss Details (Toilet Block)

Drawing no: Parsa 1: S13-027

Scale: 1:20

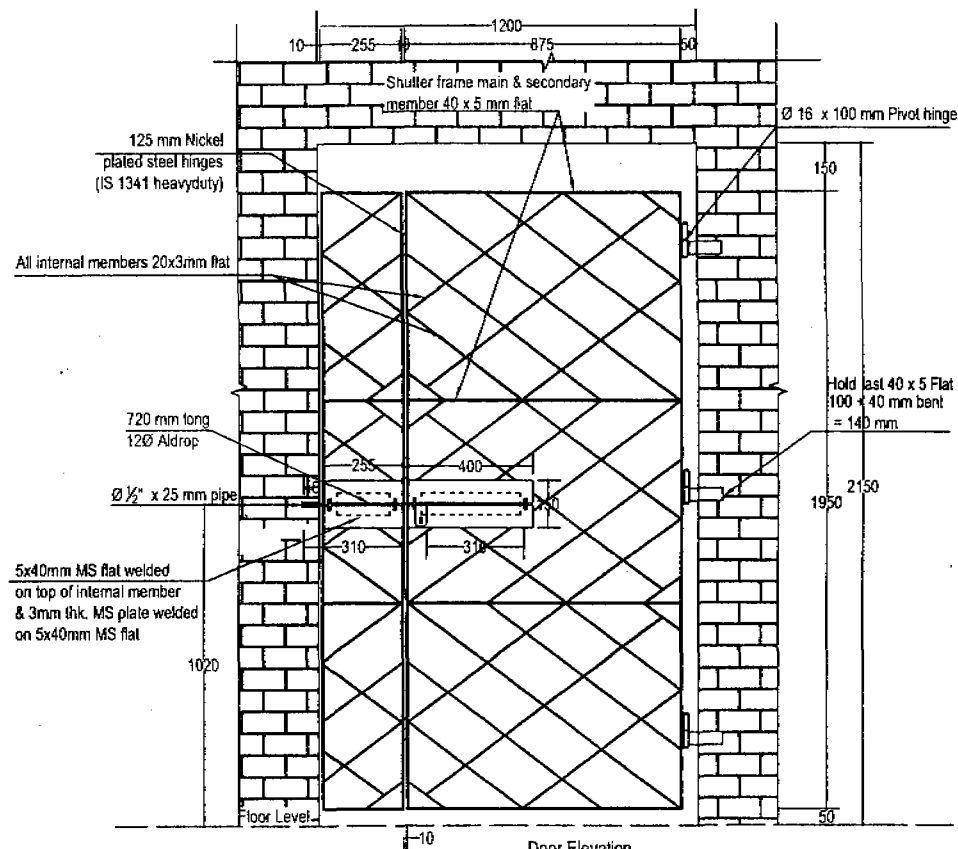
Date: 9th August, 2005

Drawn by: S. Upreti

Checked by:

Approved by:

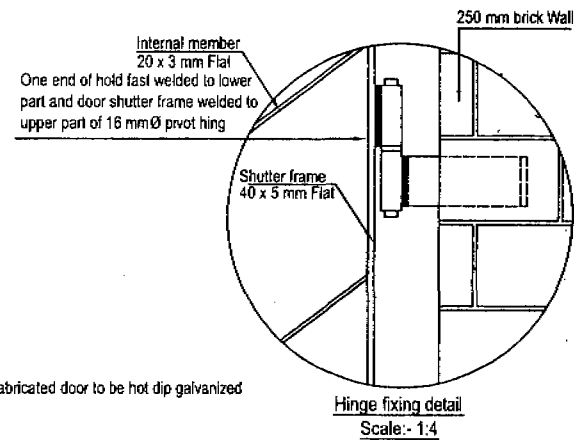
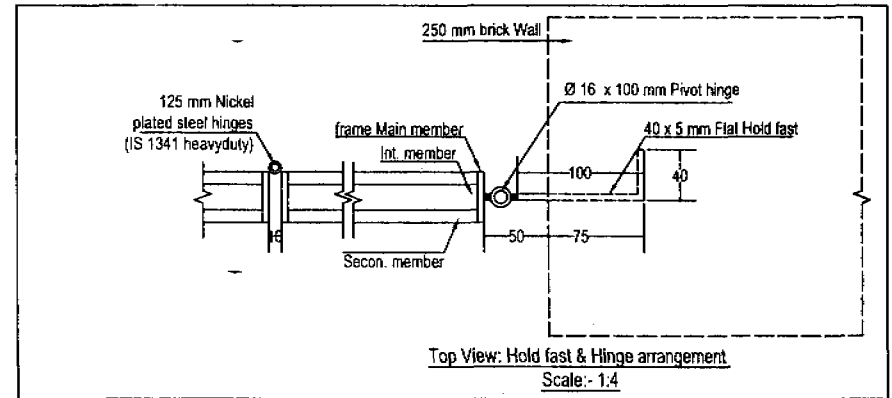
SILT Consultants (P) Ltd IN ASSOCIATION
WITH CERID, NLA and BTTC



Door Elevation
Scale:- 1:16

TOILET ENTRANCE MS GATE

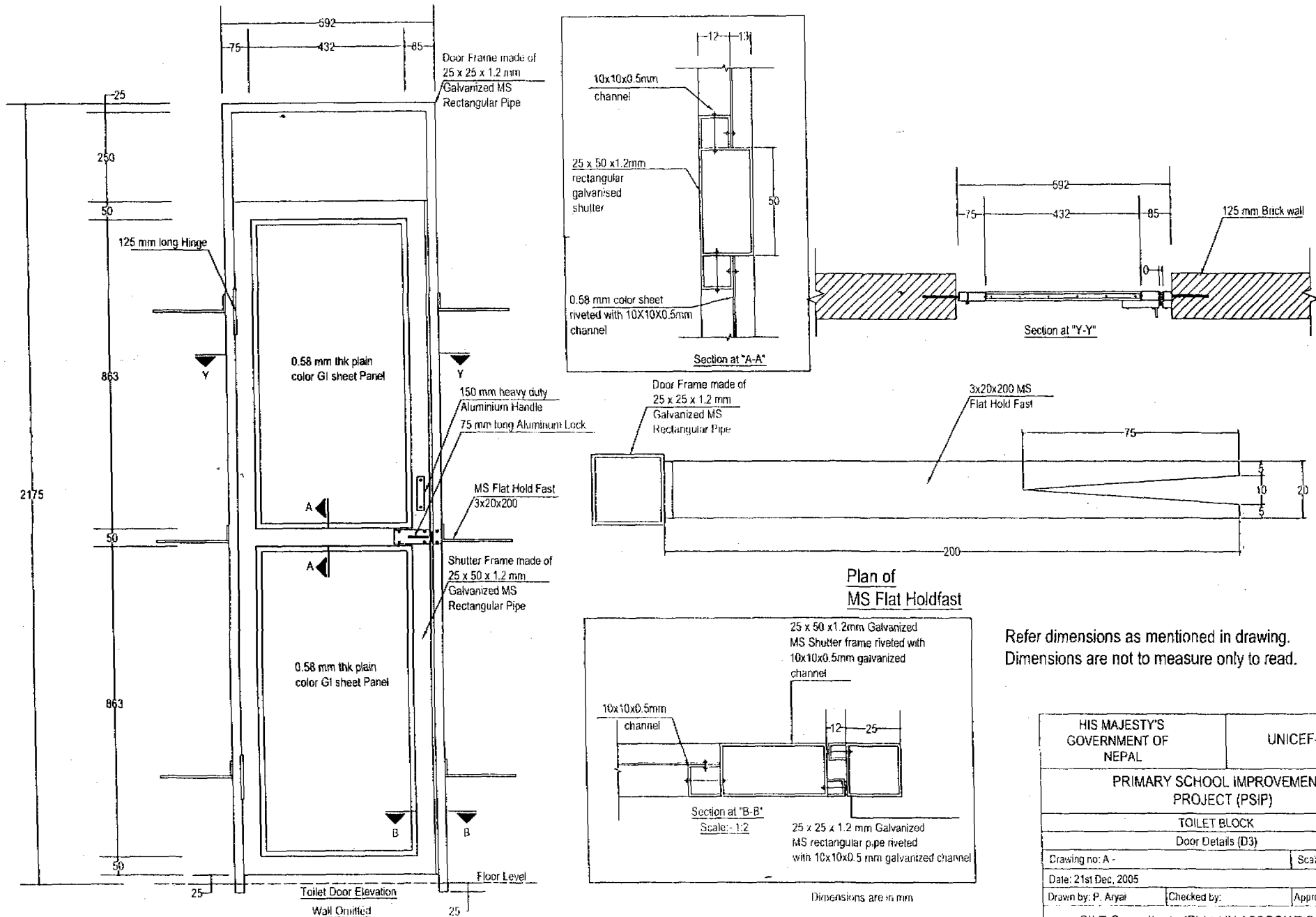
Dimensions are in mm



Note:

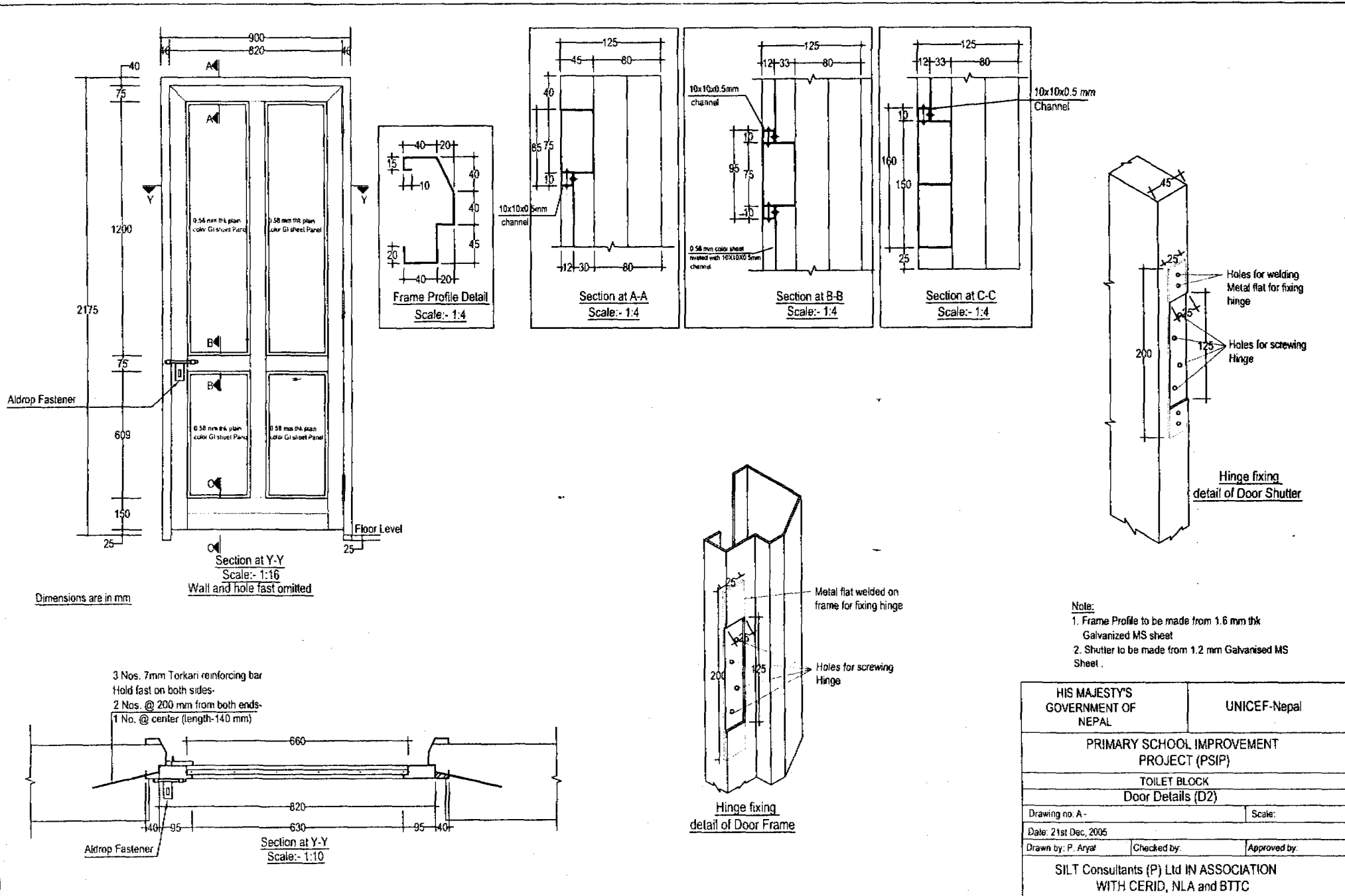
1. Complete fabricated door to be hot dip galvanized

HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)	
TOILET BLOCK	
Entrance Gate Details (EG1)	
Drawing no: A-	Scale:
Date: 26th Dec, 2005	
Drawn by: P. Aryal	Checked by:
Approved by:	
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	



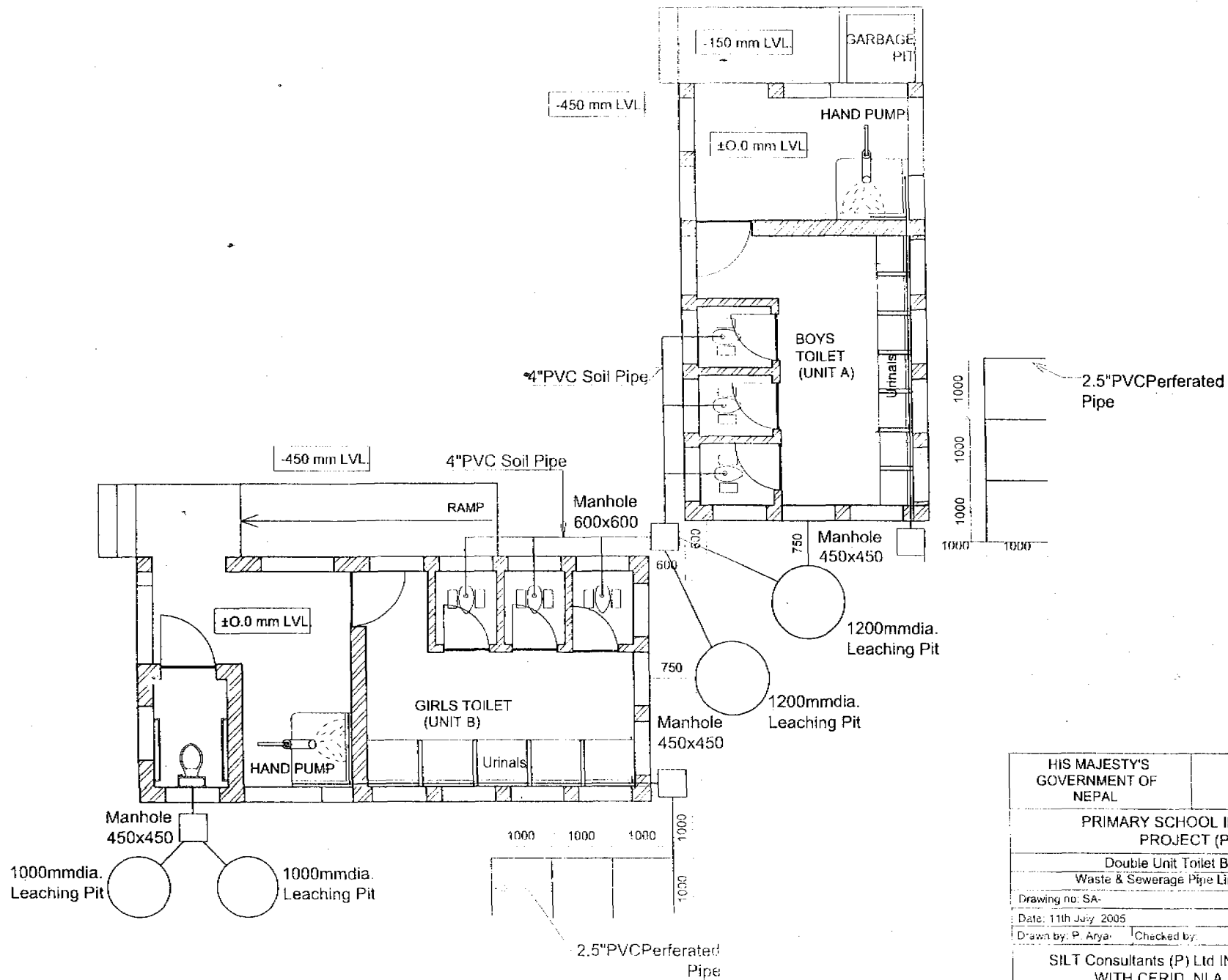
Refer dimensions as mentioned in drawing.
Dimensions are not to measure only to read.

HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)	
TOILET BLOCK	
Door Details (D3)	
Drawing no: A -	Scale:
Date: 21st Dec, 2005	
Drawn by: P. Aryar	Checked by:
Approved by:	
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	

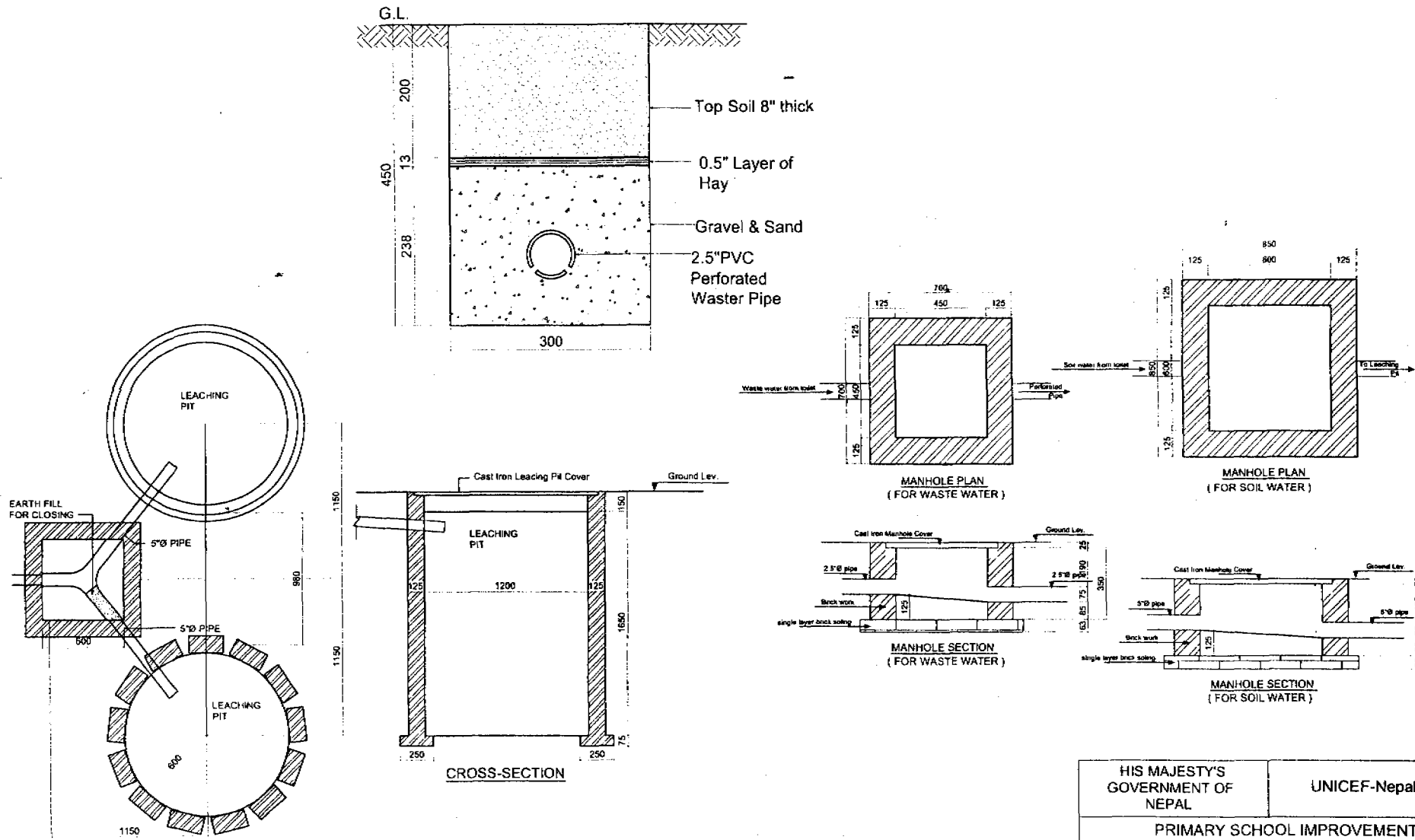


- Note:**
1. Frame Profile to be made from 1.6 mm thick Galvanized MS sheet
 2. Shutter to be made from 1.2 mm Galvanized MS Sheet.

HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)	
TOILET BLOCK Door Details (D2)	
Drawing no. A -	Scale:
Date: 21st Dec, 2005	
Drawn by: P. Aryal	Checked by: Approved by:
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	



HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)	
Double Unit Toilet Block Waste & Sewerage Pipe Line Diagram	
Drawing no: SA-	Scale:
Date: 11th July 2005	
Drawn by: P. Arya	Checked by: Approved by:
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	



Scale: 1:20

HIS MAJESTY'S GOVERNMENT OF NEPAL	UNICEF-Nepal
PRIMARY SCHOOL IMPROVEMENT PROJECT (PSIP)	
Double Unit Toilet Block	
Manhole & Leaching Pit Detail	
Drawing no: SA-	Scale:
Date: 11th July, 2005	
Drawn by: P. Aryal	Checked by: Approved by:
SILT Consultants (P) Ltd IN ASSOCIATION WITH CERID, NLA and BTTC	