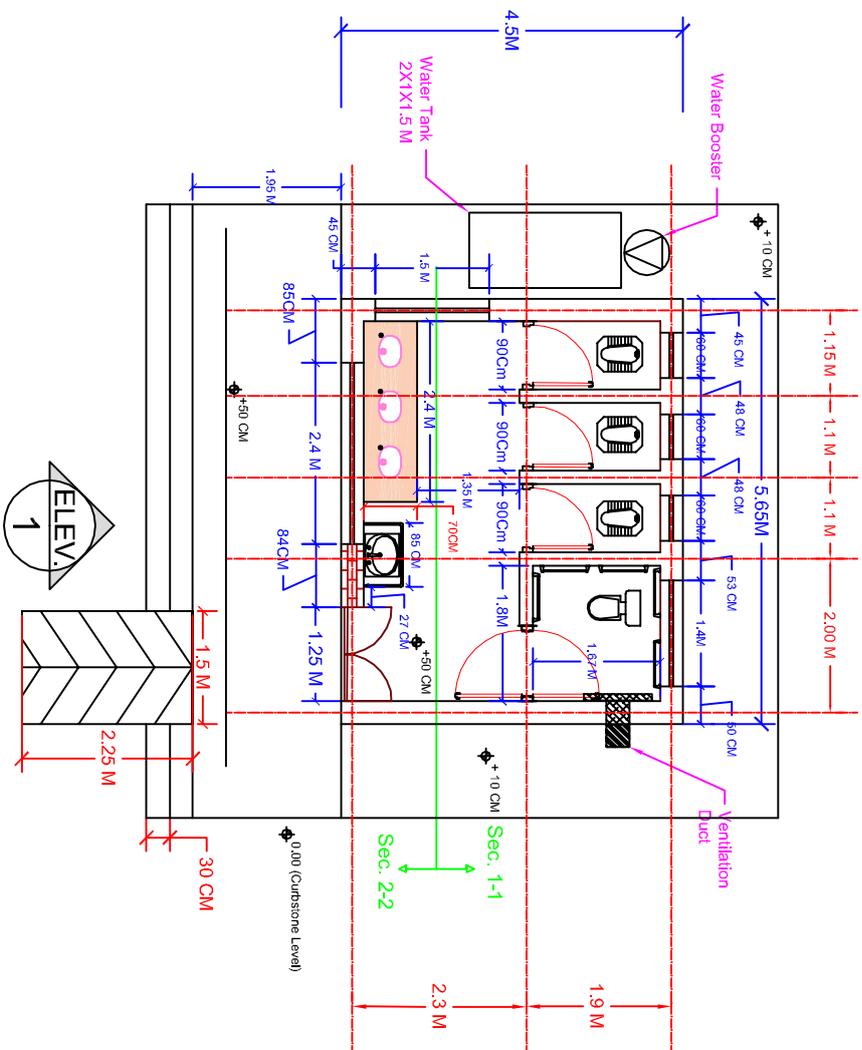


5 4 3 2 1



A B C

General Notes



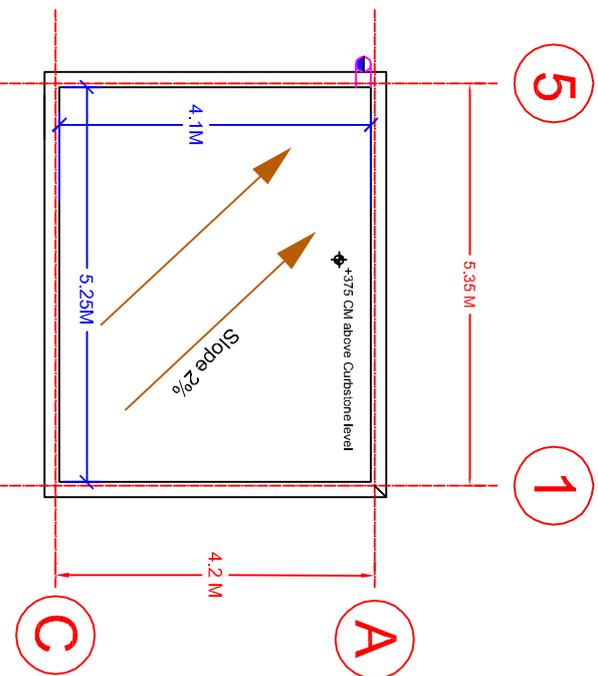
unicef
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Australian Government
AusAID

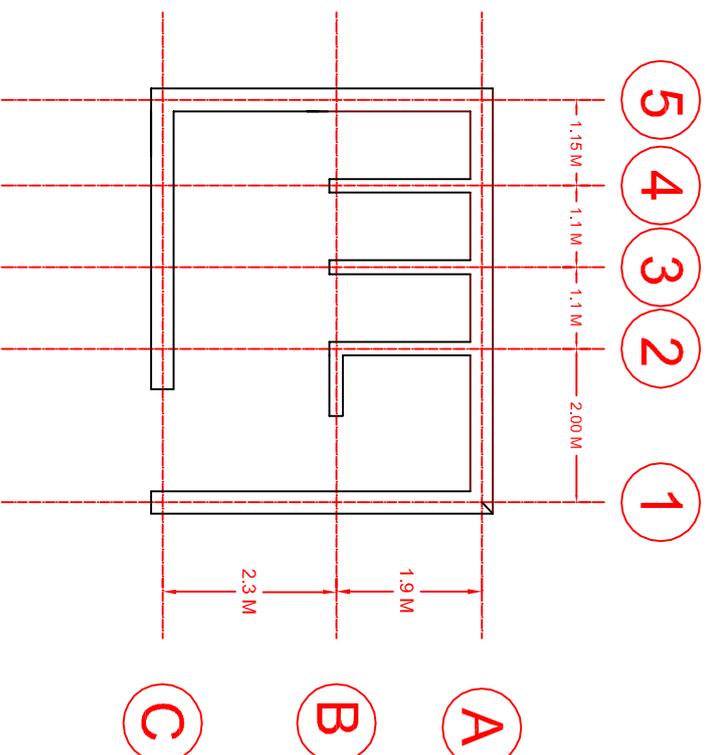
Company
National

REVIEW AND DEVELOPMENT OF
CHILD FRIENDLY WATER, SANITATION
AND HYGIENE FACILITIES DESIGN
PACKAGES FOR PRIMARY SCHOOLS
IN IRAQ.
4 Compartments /Single Gender

Project: Sheet No. 1
Title: Floor Plan
Scale: 1:100 /A4 Sheet



Roof Plan



C/L Plan

General Note



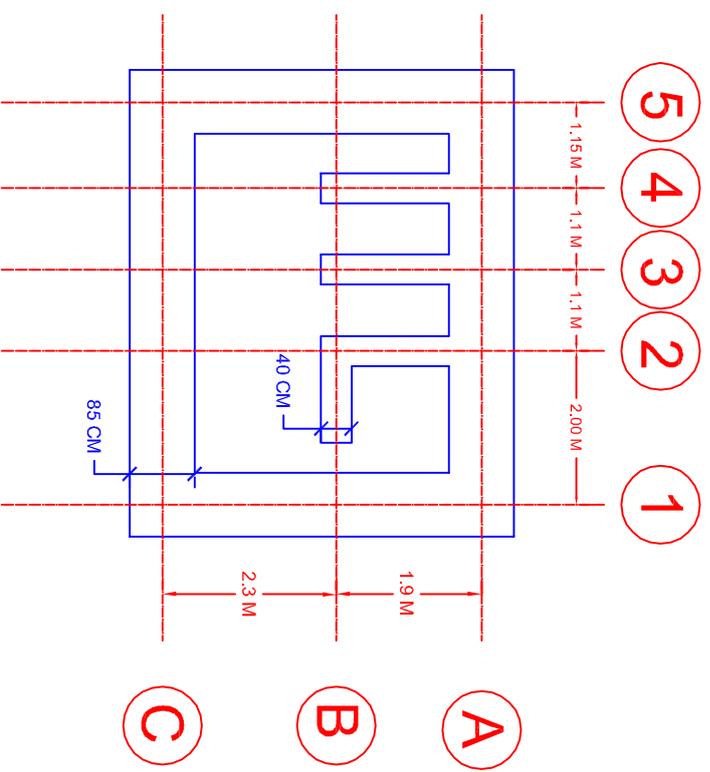
unicef
unite for children

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National

REVIEW AND DEVELOPMENT OF
CHILD FRIENDLY WATER, SANITATION
AND HYGIENE FACILITIES DESIGN
PACKAGES FOR PRIMARY SCHOOLS
IN IRAQ.
4 Compartments /Single Gender

Project: School No. 2
Sheet: C/L Plan
Scale: 1:100 /A4 Sheet
Title: Roof Plan



General Notes

- 1- All External Walls' foundations have width of 85 CM
- 2- All Internal Walls' foundations have width of 40 CM
- 3- Assumed Soil Bearing Capacity is 22 KN/M²

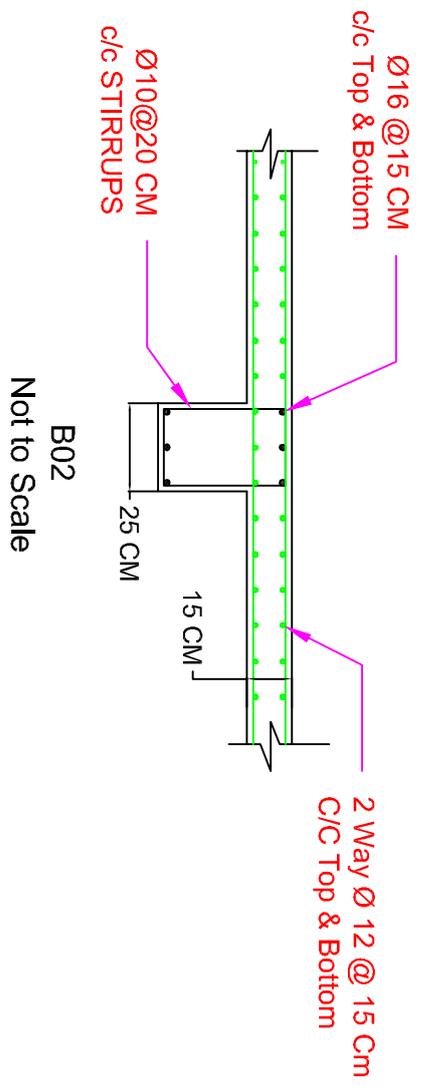
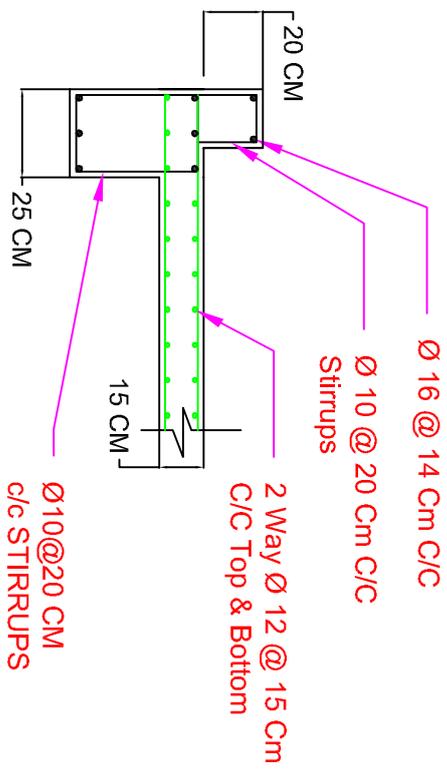
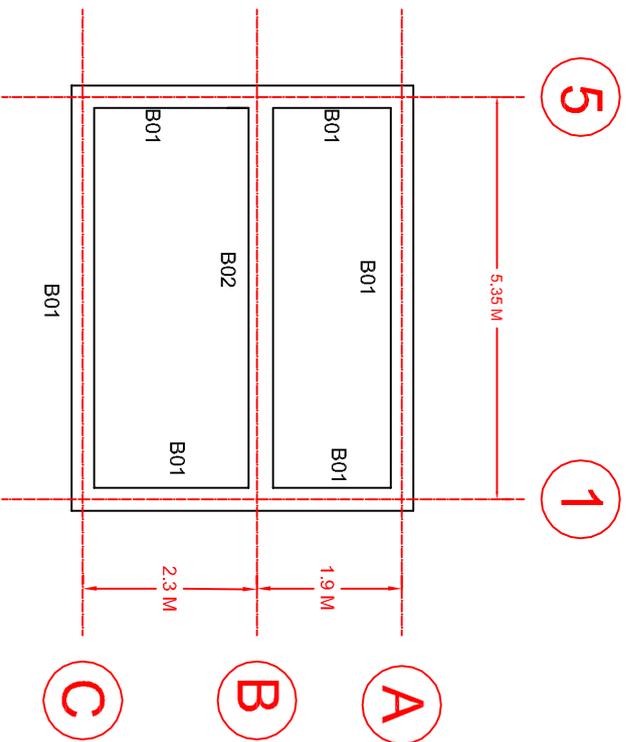


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Project Name and Address
REVIEW AND DEVELOPMENT OF
CHILD FRIENDLY WATER, SANITATION
AND HYGIENE FACILITIES DESIGN
PACKAGES FOR PRIMARY SCHOOLS
IN RAMA.
4 Compartments / Single Gender

Project Name	Sheet No. 3
Title	Foundation
Scale	1:100 / A4 Sheet Plan



General Note

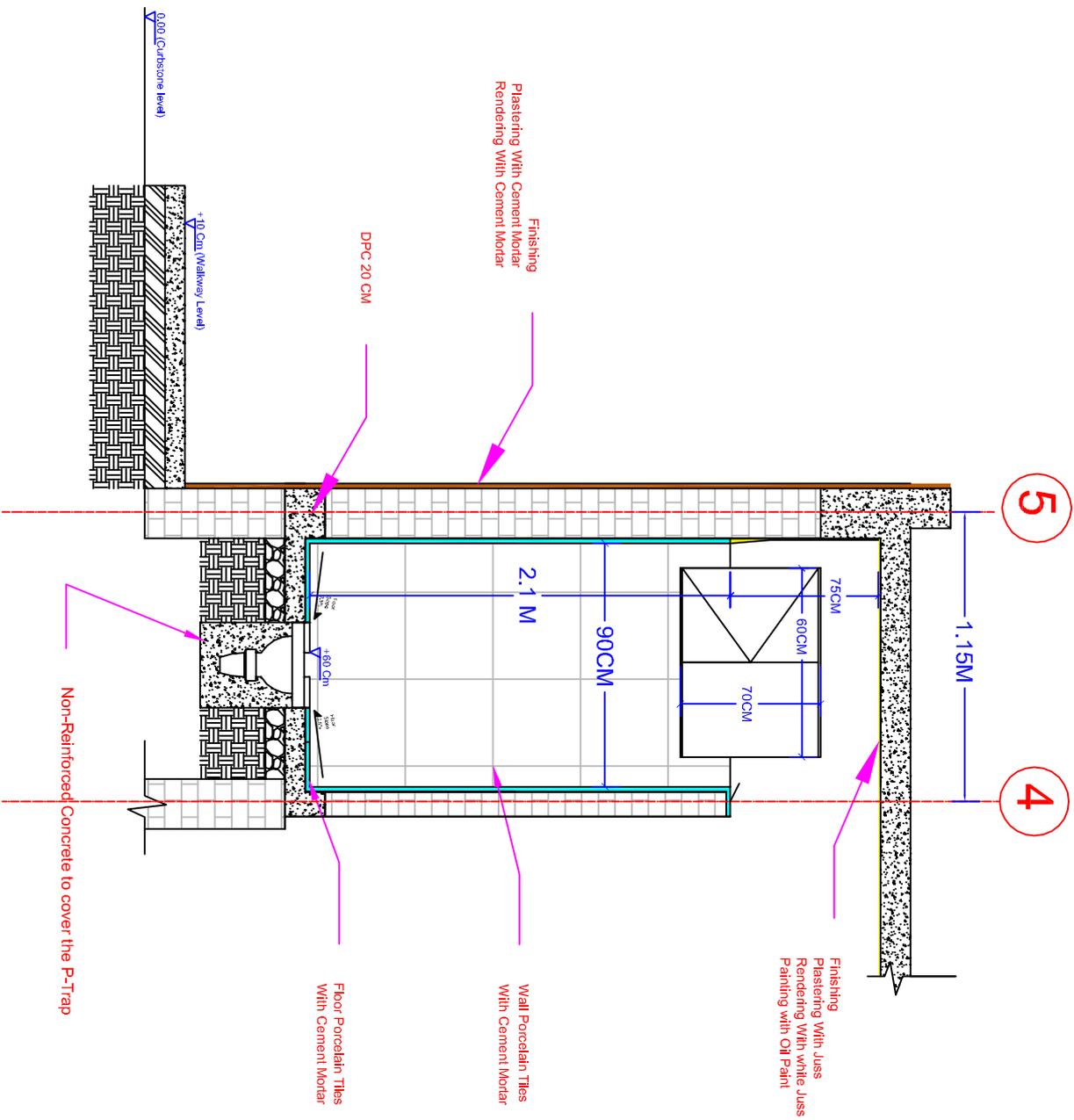


unicef
unite for children
Australian Government
ASKAPD

Project Name and Address
National Company
For Engineering, Construction & Quality Control Ltd

Project Name and Address
REVIEW AND DEVELOPMENT OF
CHILD FRIENDLY WATER, SANITATION
AND HYGIENE FACILITIES DESIGN
PACKAGES FOR PRIMARY SCHOOLS
IN RURAL
4compartments /single Gender

Project	Sheet No. 4
Date	Beam Reinforcement
Scale	1:100 /A4 Sheet Detail

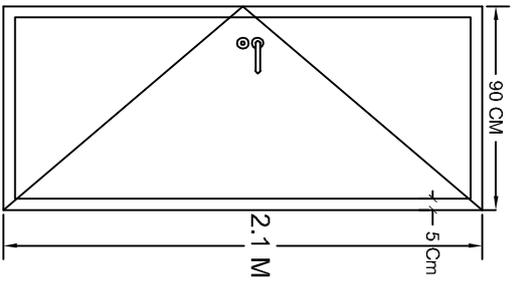


General Notes

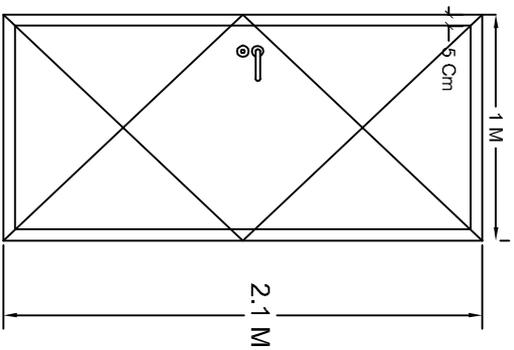


Project Name and Address
Company National
 REVIEW AND DEVELOPMENT OF
 CHILD FRIENDLY WATER, SANITATION
 AND HYGIENE FACILITIES DESIGN
 PACKAGES FOR PRIMARY SCHOOLS
 IN IRAQ.
 4Compartments / Single Gender

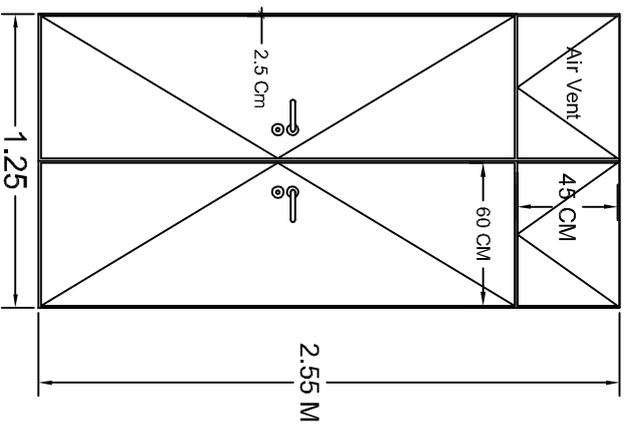
Project No. 6
 Sheet No. 6
 Typical Cubical
 Section
 Not to Scale



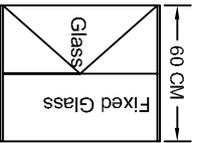
Bathroom Door - Aluminum - Qty. 3



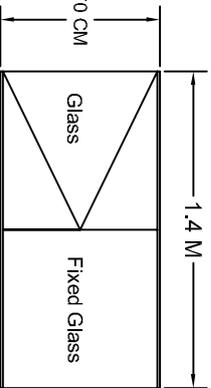
Bathroom Door - Aluminum - Qty. 1



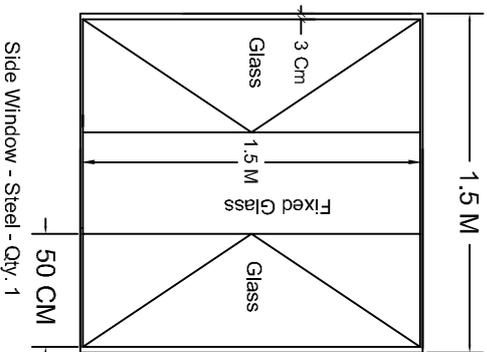
Entrance Door - Steel - Qty. 1



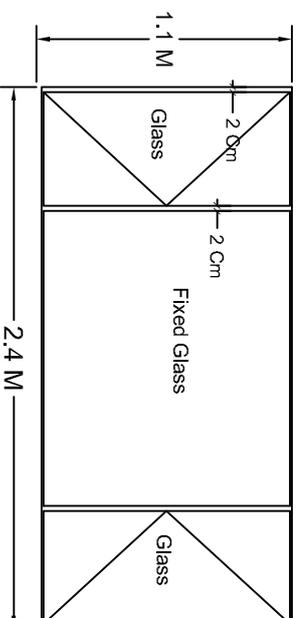
Bathroom Window - Steel - Qty. 3



Bathroom Window - Steel - Qty. 1



Side Window - Steel - Qty. 1



Front Window - Steel - Qty. 1

General Notes



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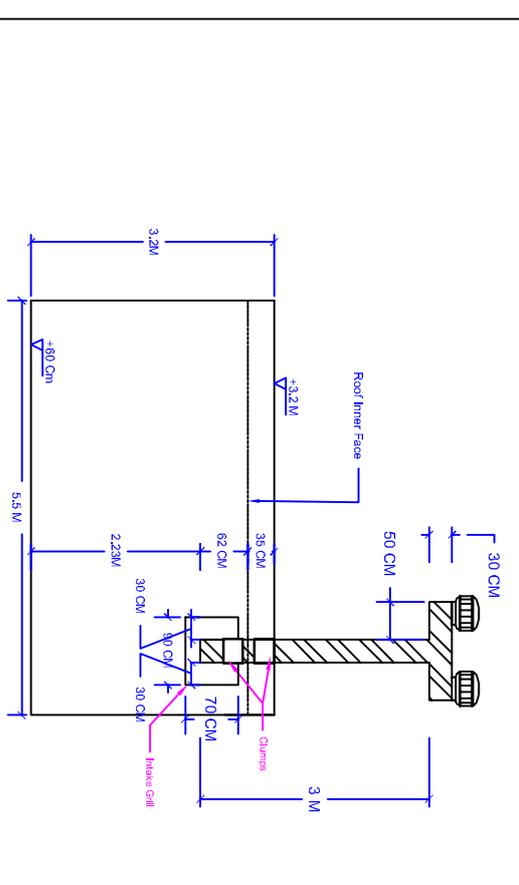
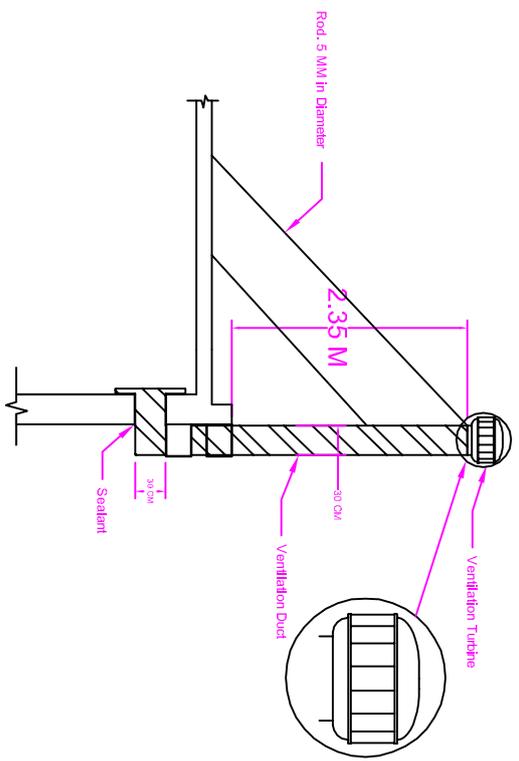
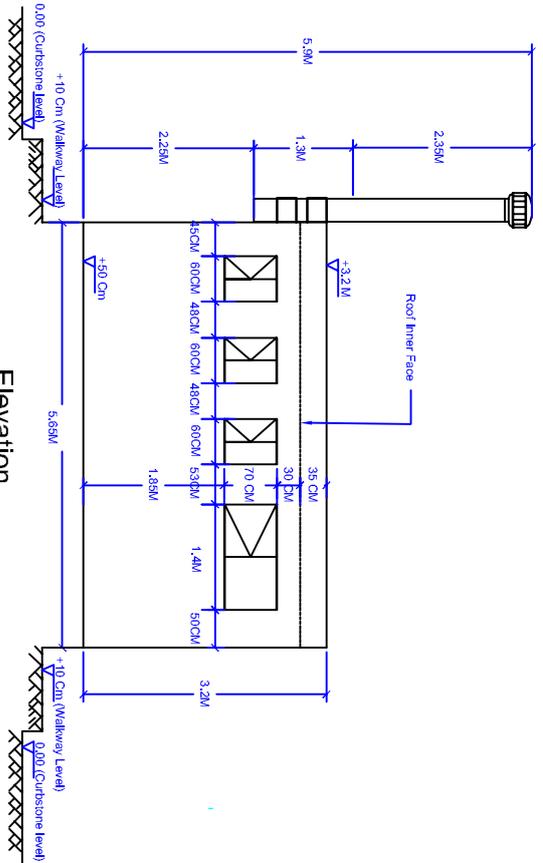
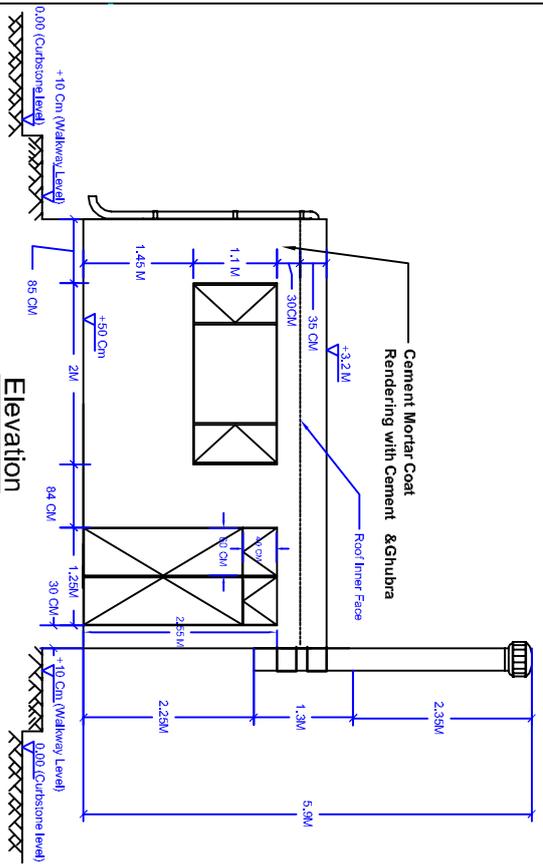
Australian Government
AusAID

National Company
National Company
National Company

RENDERED AND DEVELOPMENT OF
SCHOOL BUILDING FACILITIES
AND HYDRIC FACILITIES DESIGN
PACKAGES FOR PRIMARY SCHOOLS
IN IRAC.

4 Compartments / Single Gender

Project	Sheet No. 7
Date	Windows
Scale	Doors Detail
Not to Scale	



Typical Detail of Ventilation Duct & the Ventilation Turbine

NOT TO SCALE

General Notes



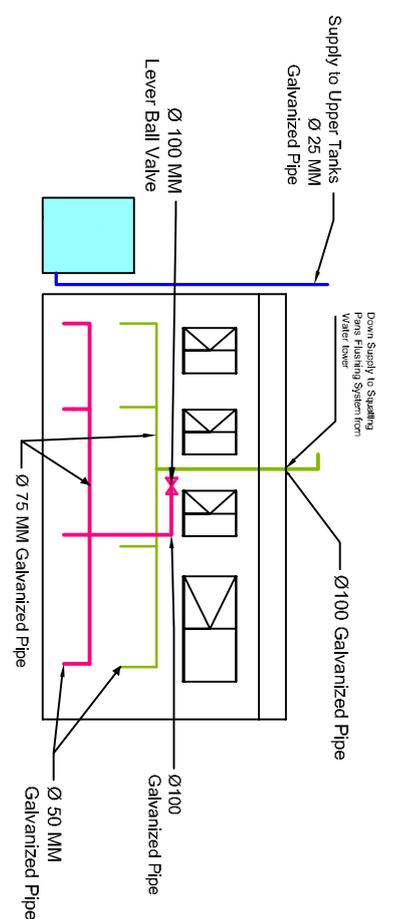
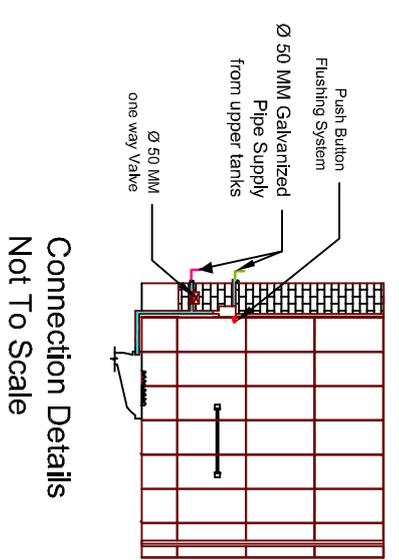
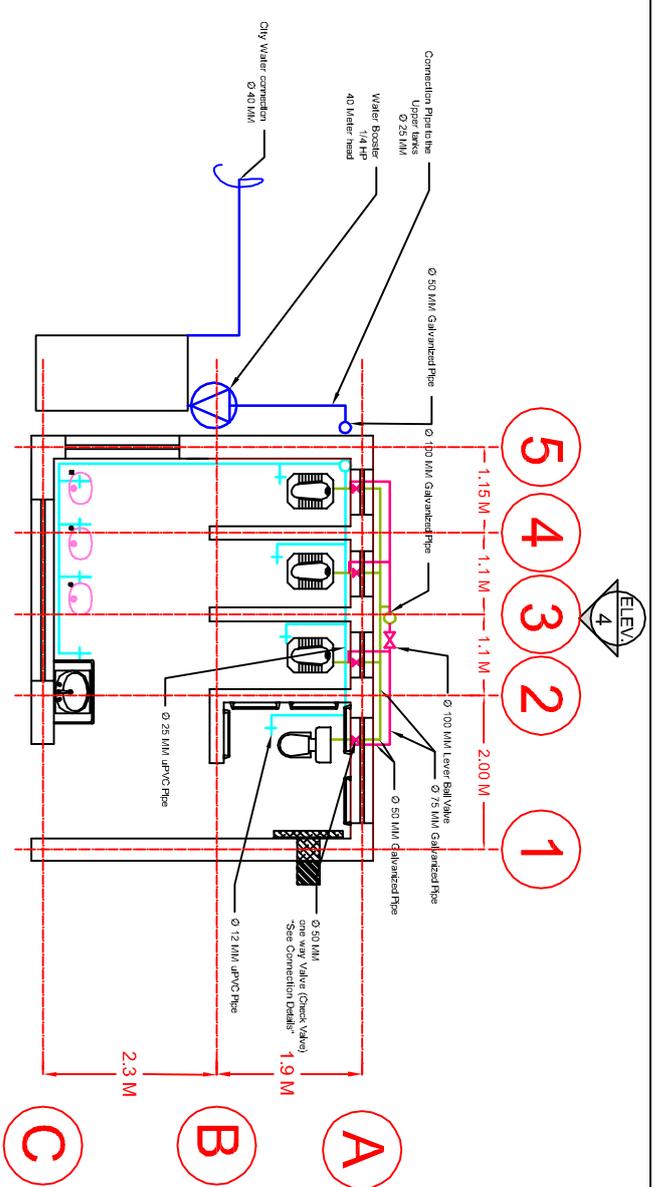
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Australian Government
AustAID



Project Name and Address
REVIEW AND DEVELOPMENT OF
CHILD FRIENDLY WATER SANITATION
AND HYGIENE FACILITIES DESIGN
PACKAGES FOR PRIMARY SCHOOLS
IN RWA.
4 Compartments (Single Gender)

Project	Sheet
1:100 / A4 Sheet	Sheet No. 8
ELEV.1.2	



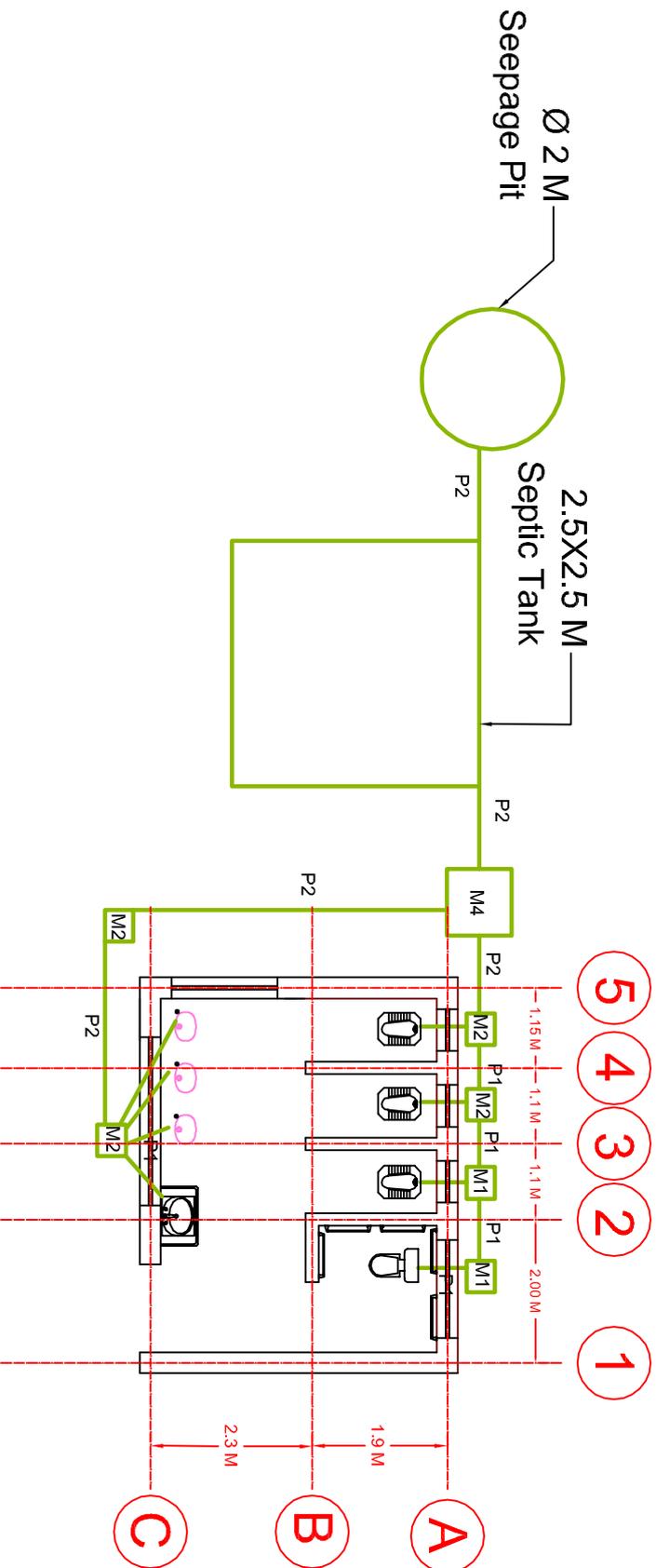
General Notes

- The Color is used here for Piping from the Ground water tanks to the Upper water tanks
- The Color is used here for Internal Piping for the Wash Basin Connected to the Upper Tanks by a 2" Pipe.
- The Color is used here for Piping of the Down Supply to the building, its connected to the upper Tanks by 2" Pipe, its also connected to the Water Tank.
- The Color is used here for Piping of the Squatting Pans, its connected to the upper Tanks by a 3" Pipe & connected to each of the Squatting pans Flushing Mechanism by 1" Pipe.
- The Color is used here for Piping of the Flushing System, its connected to the upper Tanks by a 4" Pipe & then connected to Lever ball flushing pans, each of the connection details please refer to the drawings.

Company National
 REVIEW AND DEVELOPMENT OF CHILD FRIENDLY WATER, SANITATION AND HYGIENE FACILITIES DESIGN PACKAGES FOR PRIMARY SCHOOLS IN IRAQ.
 4 Compartments /Single Gender

Project: Sheet No. 9
Scale: 1:100 /A4 Sheet

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General Notes

Value N:-

The N Value is to be Determined on Site

- P1: 4 Inch PVC Pipe
- P2: 6 Inch PVC Pipe
- M1: 50X50 Cm Manhole
- M2: 70X70 Cm Manhole
- M3: 80X80 Cm Manhole
- M4: 100X100Cm Manhole



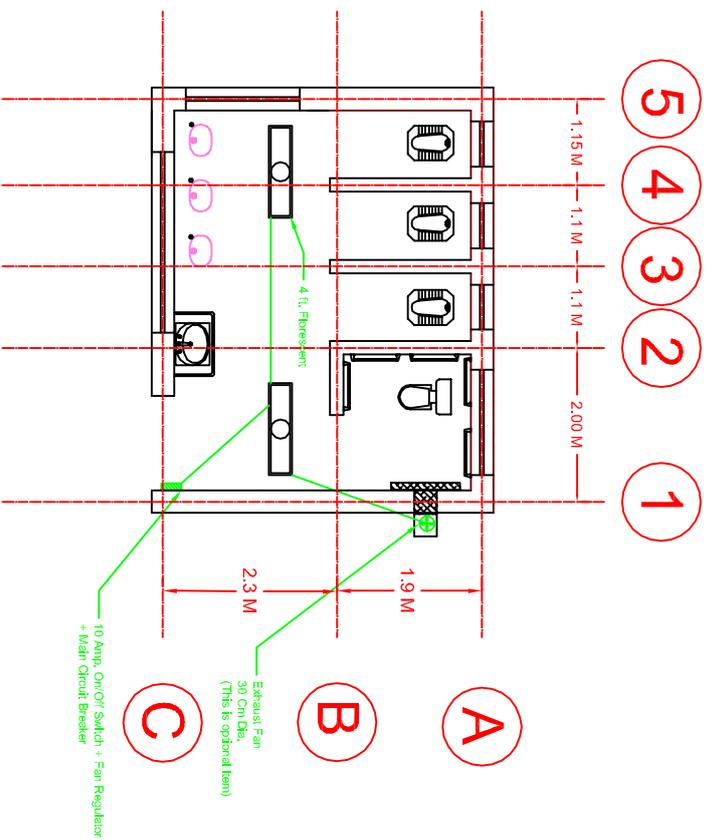
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Australian Government
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No.	Revision/Issue	Date

Company National
Prof. Engineering, Construction & Quality Control Ltd.
2020/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100

DESIGN AND DEVELOPMENT OF CHILD FRIENDLY WATER SANITATION AND SOLID WASTE PACKAGES FOR PRIMARY SCHOOLS IN RAO.
4 Compartments /Single Gender

Project	Sheet No.
1:100 /A4 Sheet	10



General Notes



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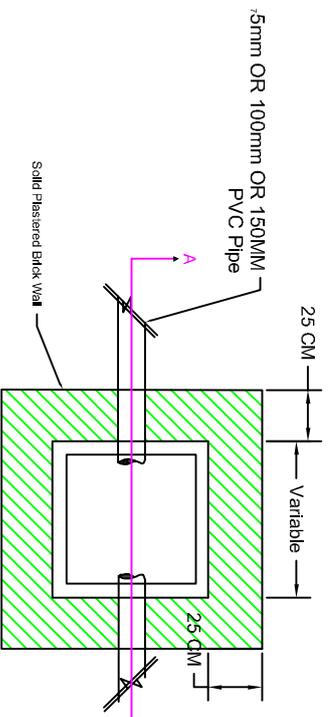
No.	Revision/Issue	Date

Project Name and Address
Company National
For Engineering Consultancy & Quantity Survey Ltd
Level 2/100/144 Sheehy Place, North Sydney NSW 1585

Project Name and Address
REVIEW AND DEVELOPMENT OF CHILD FRIENDLY WATER, SANITATION AND HYGIENE FACILITIES DESIGN PACKAGES FOR PRIMARY SCHOOLS IN IRACD.
4compartments /Single Gender

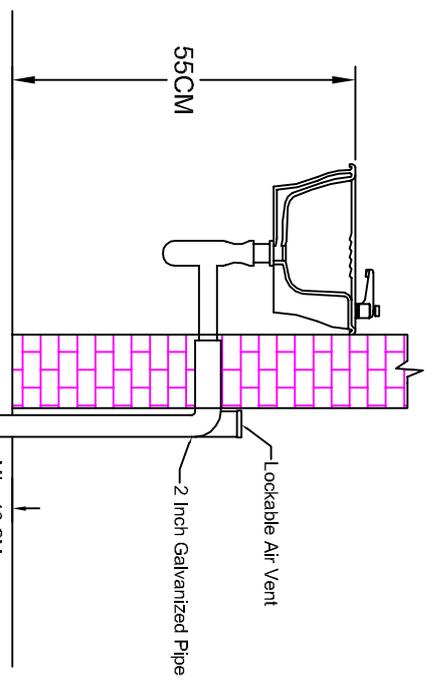
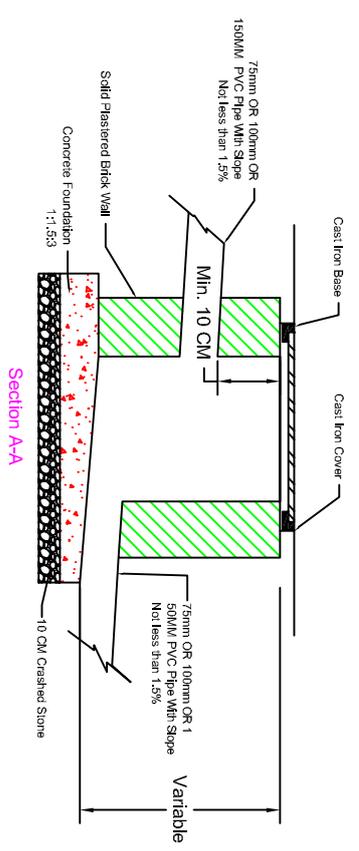
Project	Sheet	Sheet NO.
	11	

1:100 /A4 Sheet Electrical Plan



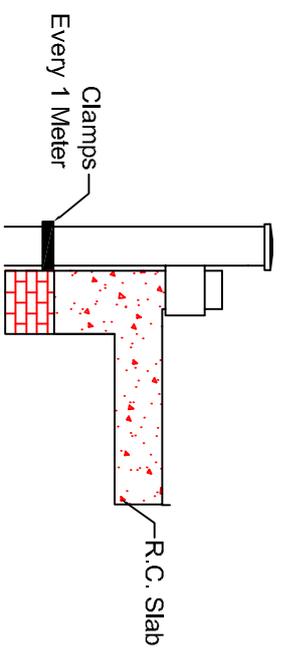
Typical Manhole Detail

NOT TO SCALE



Typical Detail of Wash Basin

NOT TO SCALE



Typical Detail of Drain Water Down Take Pipe

NOT TO SCALE

General Notes



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No.	Revision/Issue	Date

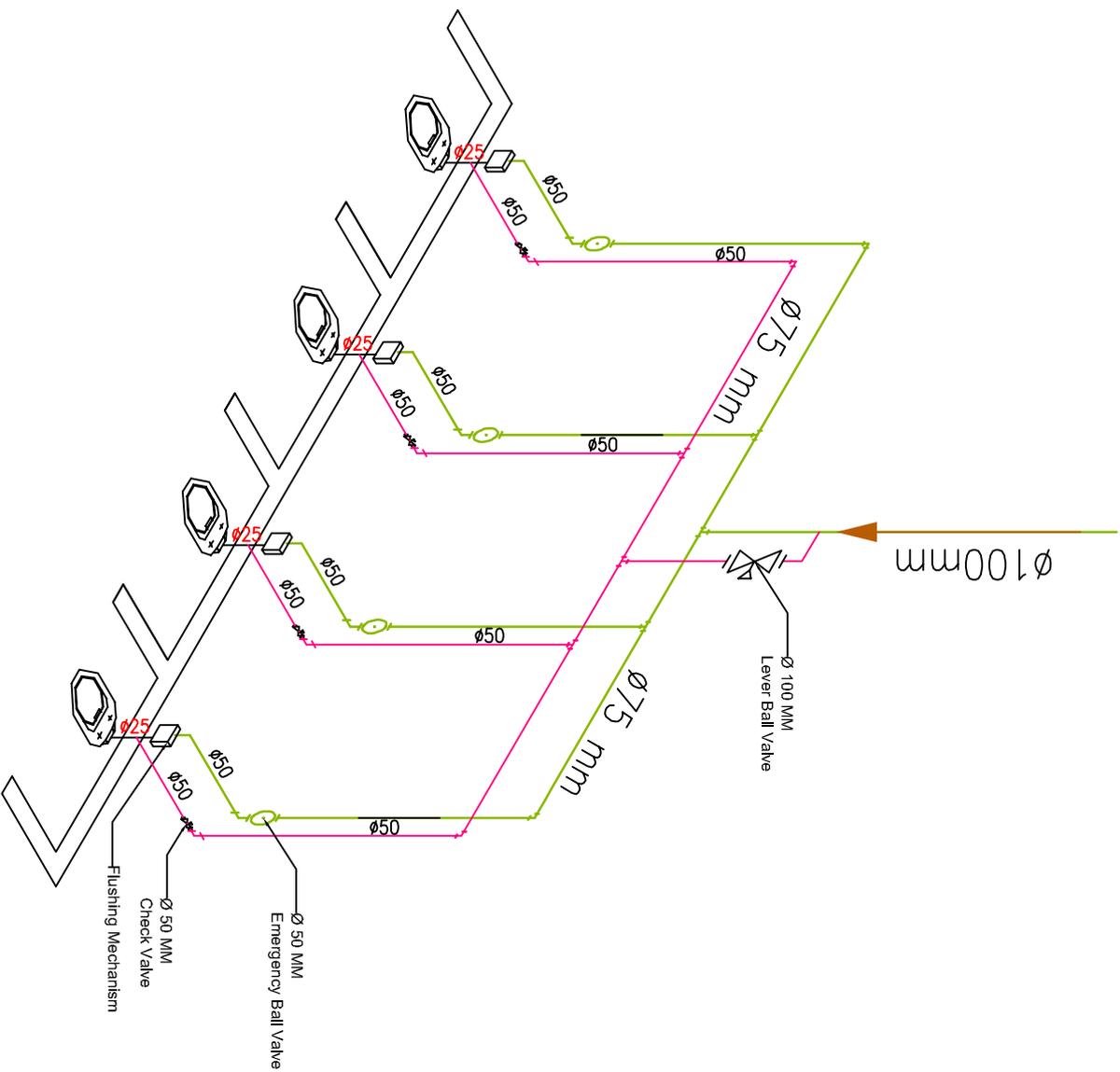
Prepared by: **Company National**
 For Engineering, Construction & Quality Control Ltd.
 10/10, 10th Cross, 10th Stage, 10th Mile, Bangalore - 560029

Revised from the design DEVELOPMENT OF CHILD FRIENDLY WATER, SANITATION AND HYGIENE FACILITIES DESIGN PACKAGES FOR PRIMARY SCHOOLS IN RAO.
 4 Compartments /Single Gender

Project	Sheet
	12
	No.

1:100 /A4 Sheet | Planning Details - 1

Main Supply From Upper Tanks



General Notes



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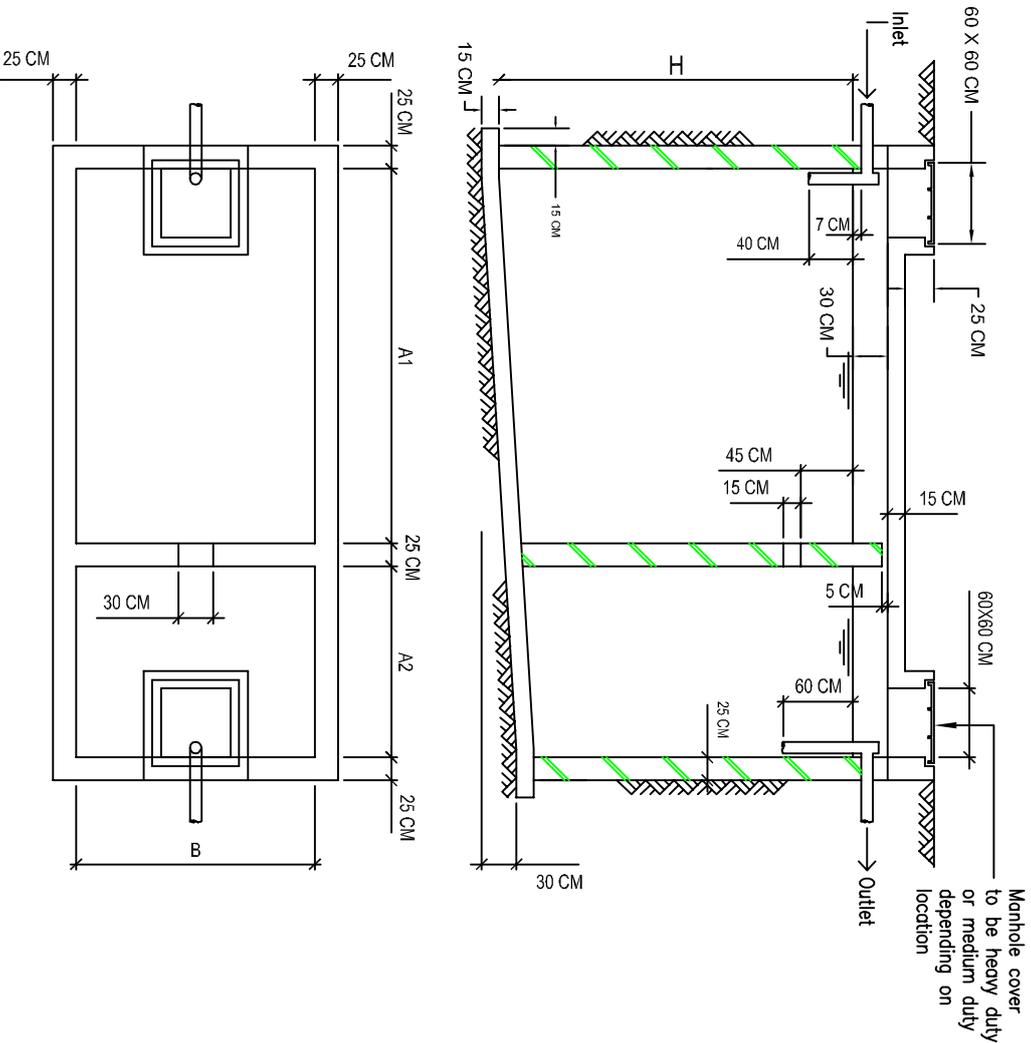
Company
National

For Engineering, Construction & Quality Control Ltd
10/100 Sturt Street, Adelaide SA 5000
Tel: 08 8232 1111

Specialist in the design, development, construction and commissioning of child friendly water, sanitation and hygiene facilities design packages for primary schools in rural areas.

4 Compartments / Single Gender

Project	Sheet
13	No.
1:100 /A4 Sheet	Pumping Detail 2



STANDARD SEPTIC TANK DETAILS

Dimensions:
 A2 = 1M; B (width) = 2.5M
 H = 2M; A1 = 1.5M
 Walls:

15CM reinforced concrete with 1/2" dia. bars at 20 CM vertically and 1/2" dia. bars at 40 CM horizontally, or:

8" concrete blocks filled with 1:3:6 concrete and with ladder type reinforcement every other course.

The inside face to be plastered with two courses of 3/8" thick cement mortar

Top and Bottom Slabs:

15CM reinforced concrete with 1/2" dia. bars at 25CM centers transversely and 3/8" dia. bars at 30CM centers longitudinally.

Slope of bottom slab to be 2%.

Access hatches to be patented cast iron or steel covers 60CM square, or of 4" thick concrete with 4" mesh reinforcement.

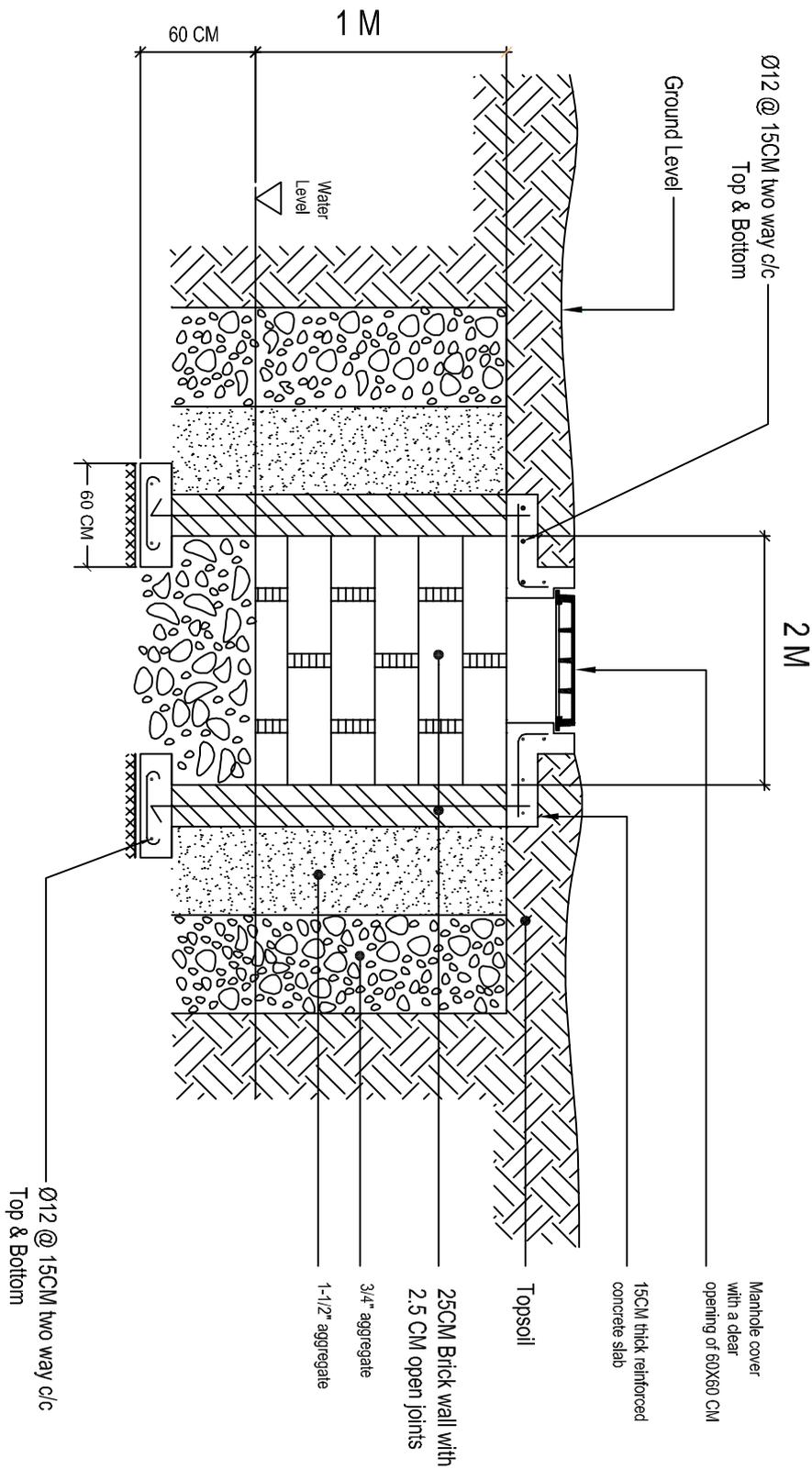
General Notes

Project	Sheet	No.
	14	
1:100 /A4 Sheet		Septic Tank

Project Name and Address
Company National
 For Engineering, Construction & Quality Control Ltd.
 4 Compartments /Single Gender
 REVIEW AND DESIGN DEVELOPMENT OF
 CHILD FRIENDLY WATER SANITATION
 AND HYGIENE FACILITIES DESIGN
 REQUESTS FOR PRIMARY SCHOOLS
 IN RWA .

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 Australian Government
 Australia
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Typical Seepage Pit Details

General Notes

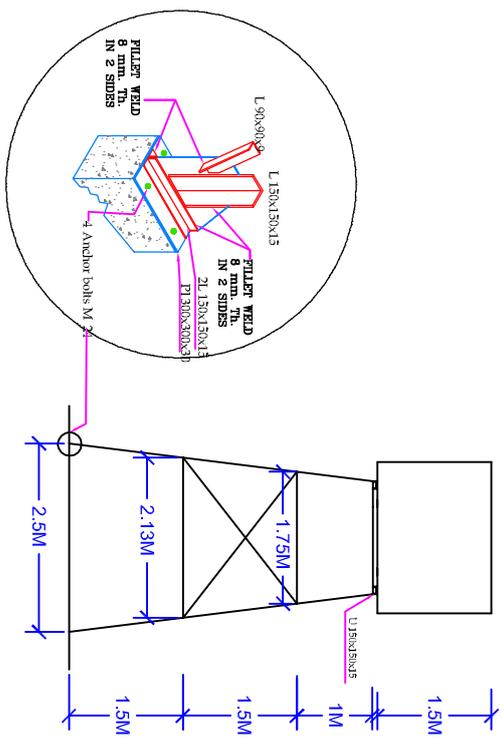


Project No. _____
 Revision/Issue _____
 Date _____
 No. _____
 Rev./Issue/Date _____

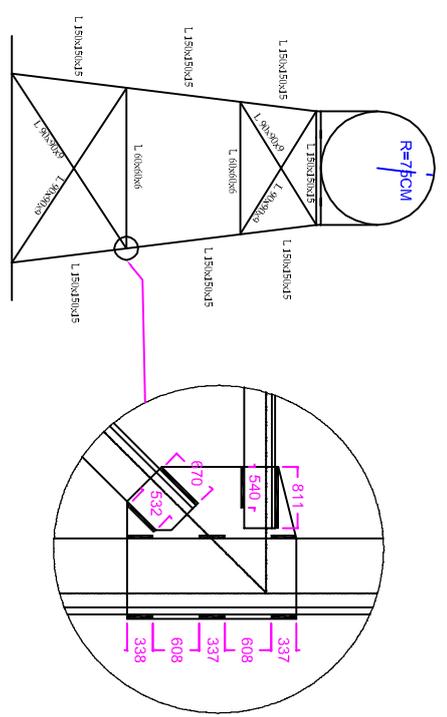
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 Sheet No. 15
 1:100 /A4 Sheet

Project Name and Address _____

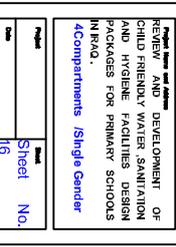
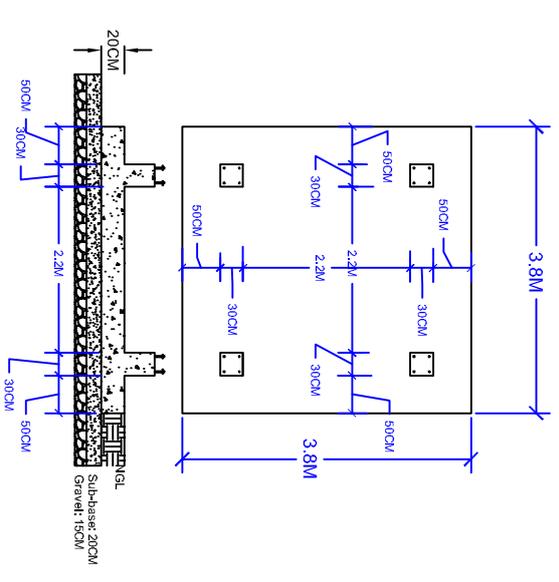
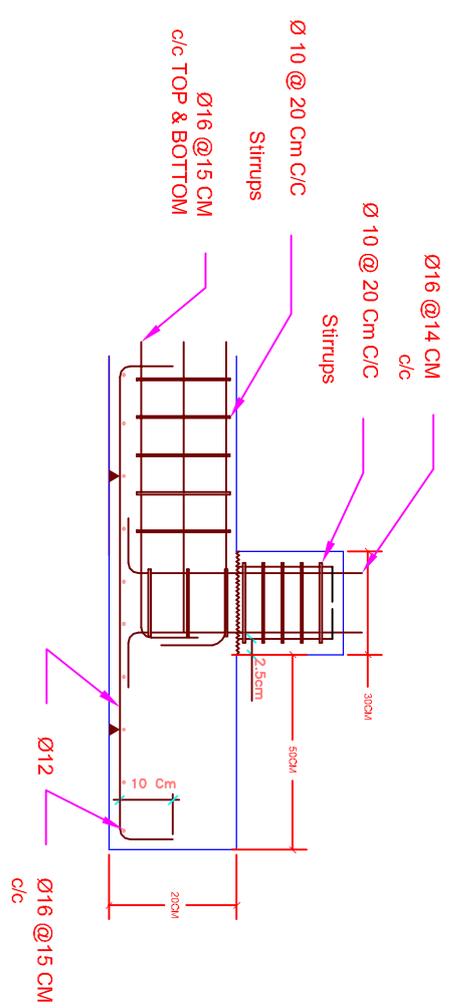
1:100 /A4 Sheet



Side View



Front View



General Note



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Specialized in Building, Transport, Civil, and Mining Works

Project Name and Address:
REVIEW AND DEVELOPMENT OF
CHILD FRIENDLY WATER SANITATION
AND HYGIENE FACILITIES DESIGN
PACKAGES FOR PRIMARY SCHOOLS
IN KENYA.
Components /Single Gender

Project No.	16
Sheet No.	1/6
Scale	1:100 /A4 Sheet