


General Notes



unicef
unite for children



Australian Government
AusAID

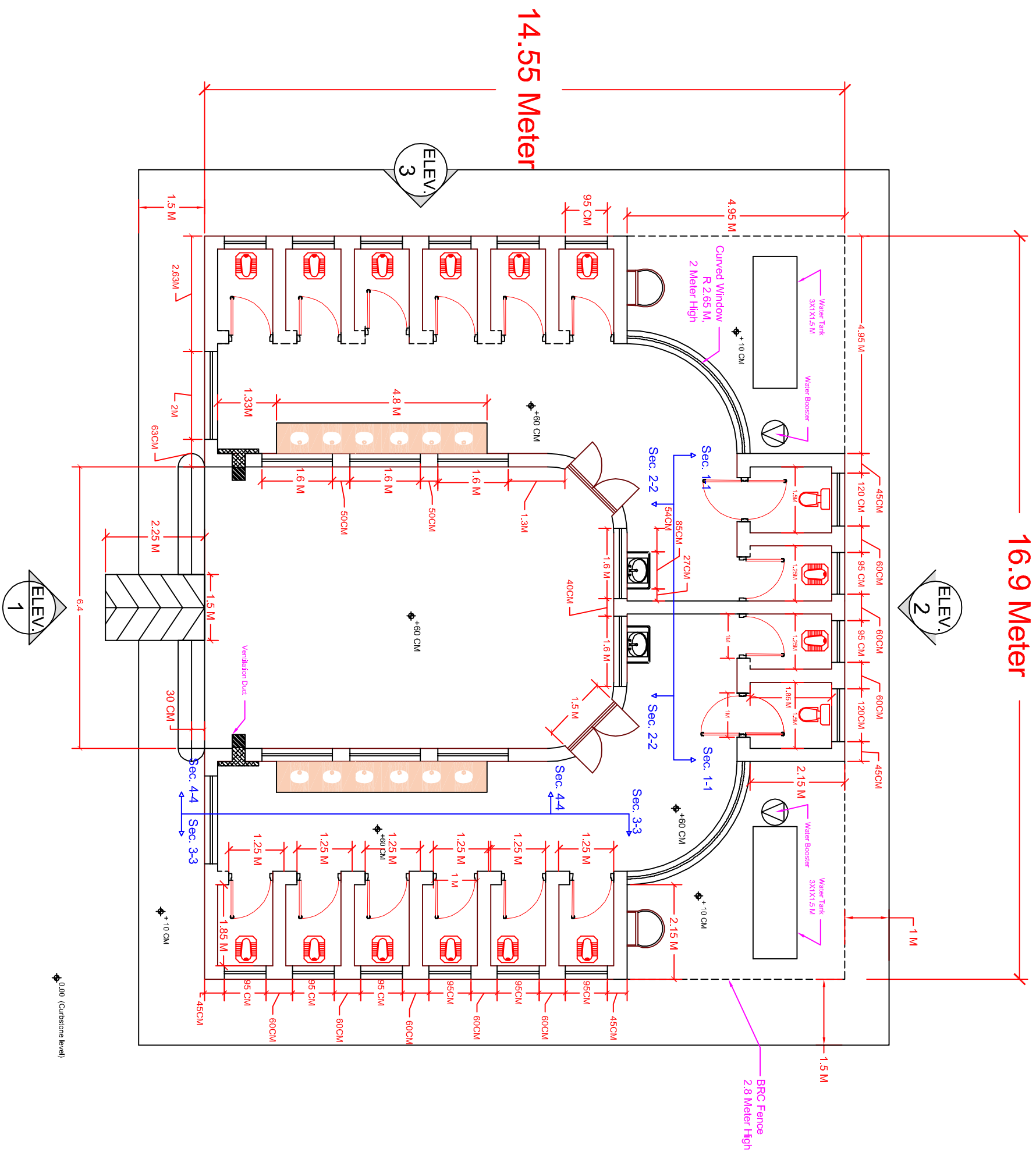
National Company
For Engineering Consultants & Quality Control Ltd.
Specialise in all types of structural & building work

Project Name and Address
REVIEW AND DEVELOPMENT OF CHILD
FRIENDLY WATER ,SANITATION AND
HYGIENE FACILITIES DESIGN
PACKAGES FOR PRIMARY SCHOOLS IN
IRAQ .

Project	Sheet
	Sheet No. 1


Scale

Floor Plan




16.9 Meter


14.55 Meter



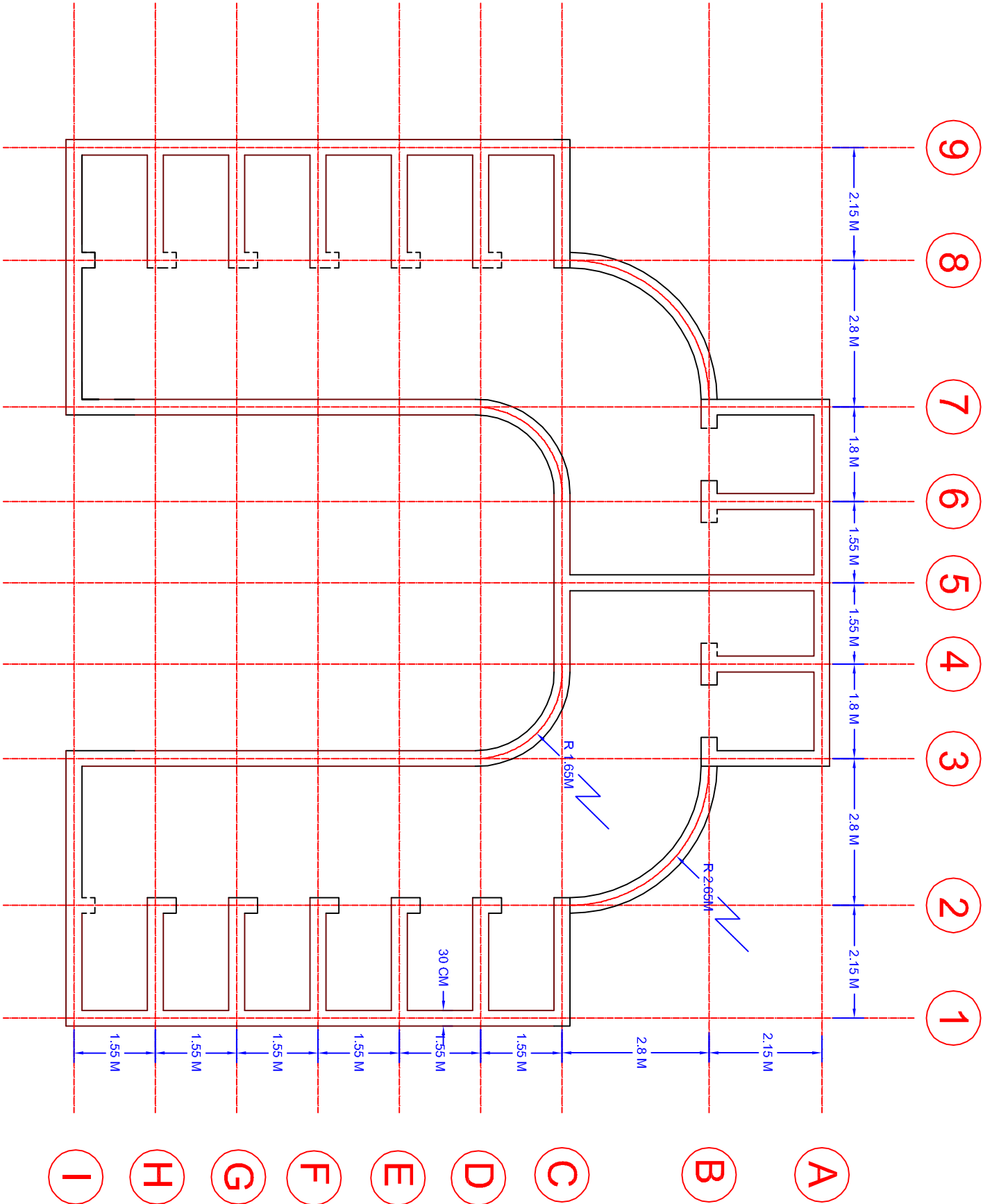
A diamond-shaped marker with a circle inside. The word "ELEV." is written vertically inside the circle, and the number "1" is written below it.



ELEV.
2



0.00 (Curbstone level)

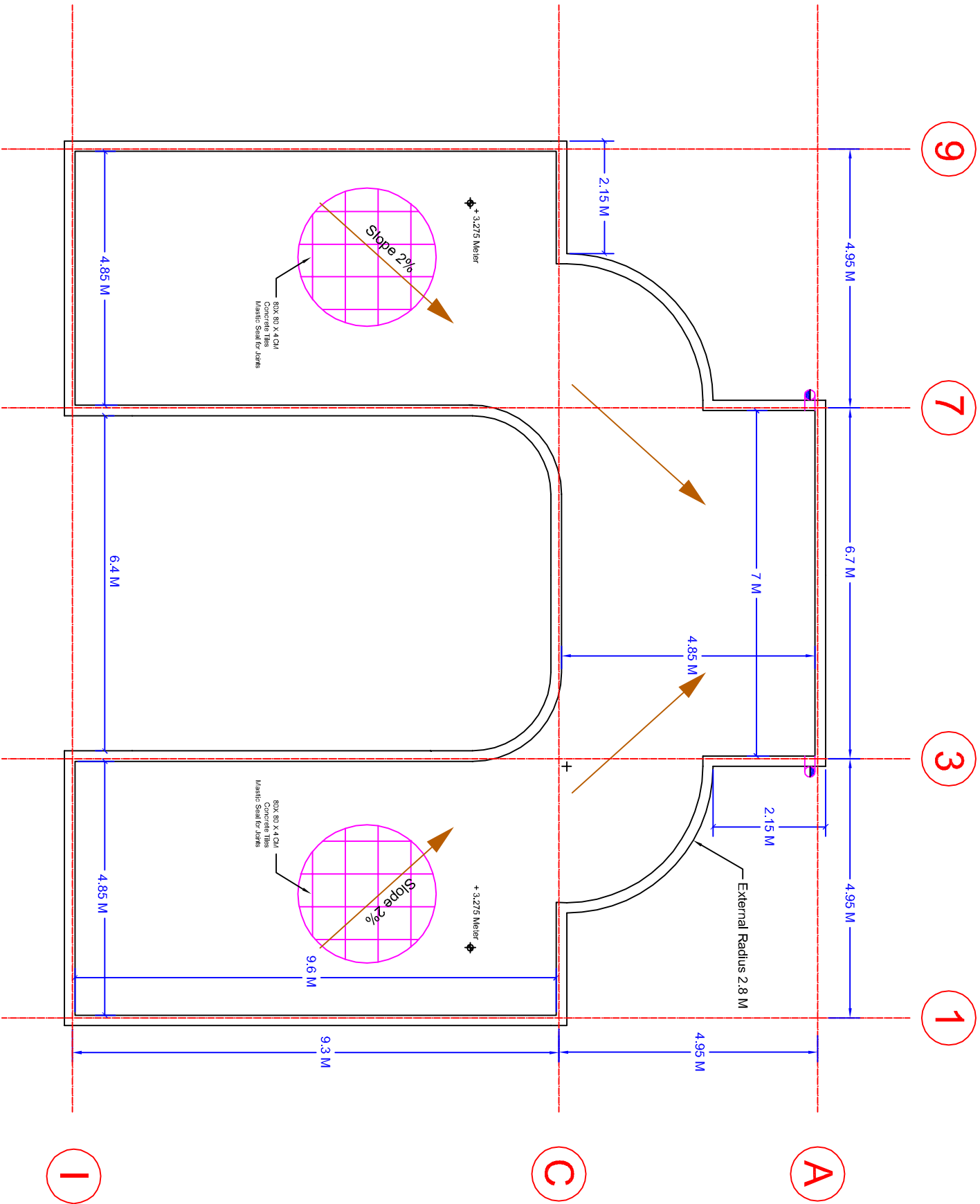


General Notes



Project Name and Address
REVIEW AND DEVELOPMENT OF CHILD FRIENDLY WATER ,SANITATION AND HYGIENE FACILITIES DESIGN PACKAGES FOR PRIMARY SCHOOLS IN IRAQ .
WASH Design for URBAN Mixed Schools -Type B

Project	Sheet
Date	Sheet No. 2
Scale	C/L Plan
1:100/A3 Sheet	



General Notes



unicef
unite for children

Australian Government
AusAID

Company
National
For Engineering Consultations & Quality Control Ltd.
بشركة هندسة واستشارات ومراقبة الجودة

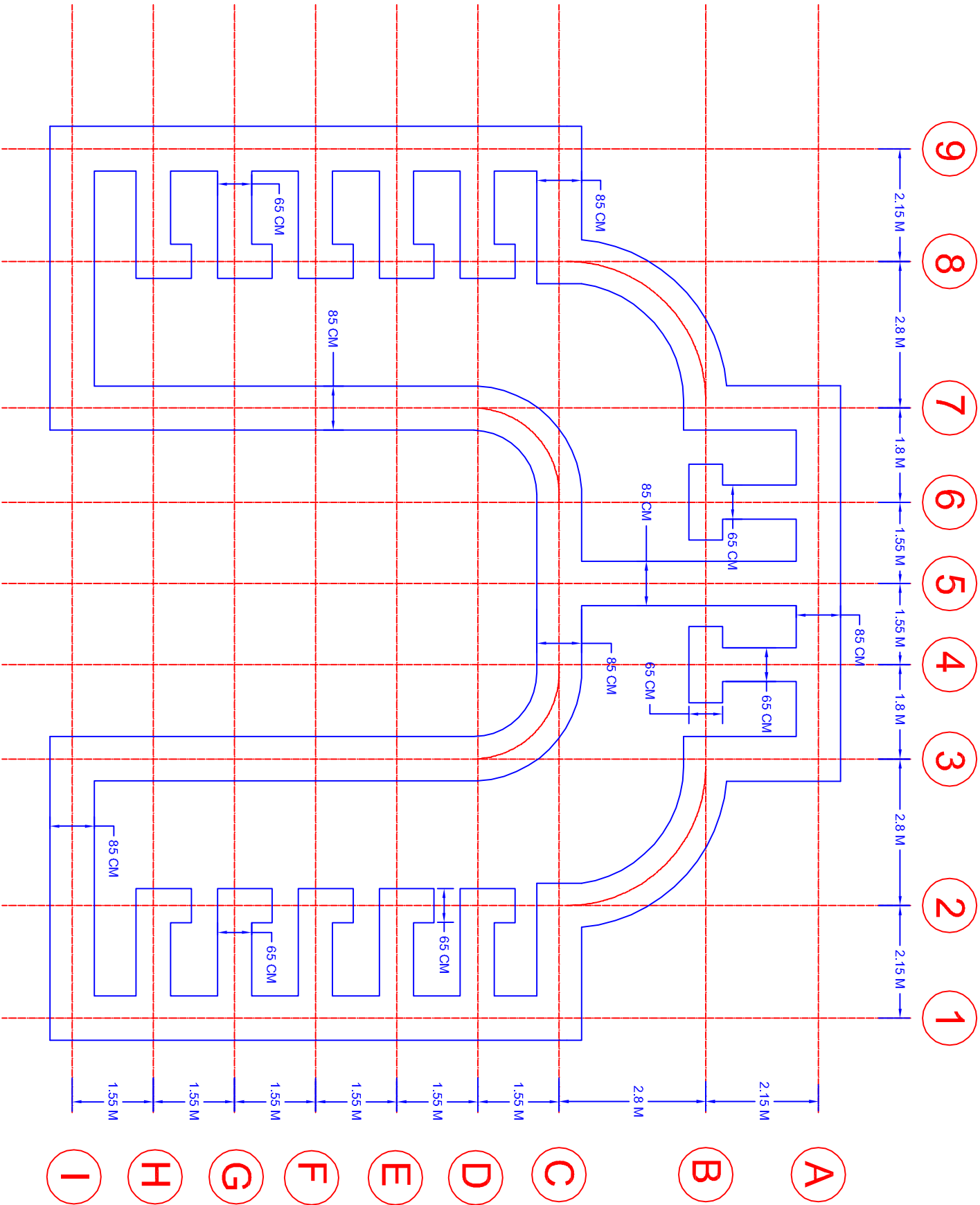
Project Name and Address
REVIEW AND DEVELOPMENT OF CHILD
FRIENDLY WATER, SANITATION AND
HYGIENE FACILITIES DESIGN
PACKAGES FOR PRIMARY SCHOOLS IN
IRAQ.

WASH Design for URBAN Mixed
Schools -Type B

Project Sheet
Sheet No. 3

Date

Scale
1:100/A3 Sheet
Roof Plan



General Notes

- 1- All External Walls' foundations have width of 85 CM
- 2- All Internal Walls' foundations have width of 65 CM
- 3- Assumed Soil Bearing Capacity is 22 KN/M2

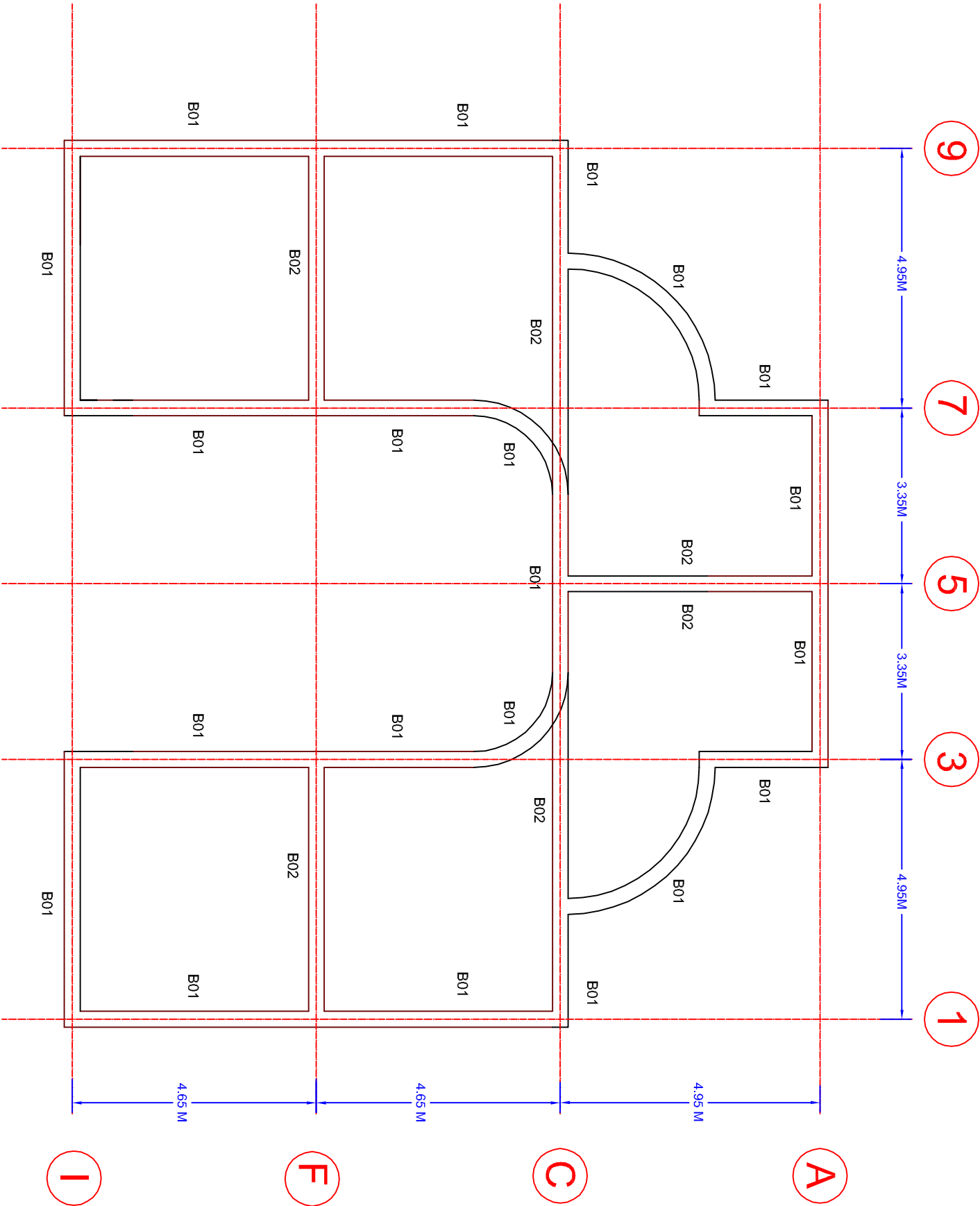


unite for children



Project Name and Address
REVIEW AND DEVELOPMENT OF CHILD FRIENDLY WATER , SANITATION AND HYGIENE FACILITIES DESIGN PACKAGES FOR PRIMARY SCHOOLS IN IRAQ .
WASH Design for URBAN Mixed Schools -Type B

Project	Sheet
Date	Sheet No. 4
Scale	Foundation
	1:100/A3 Sheet



General Notes



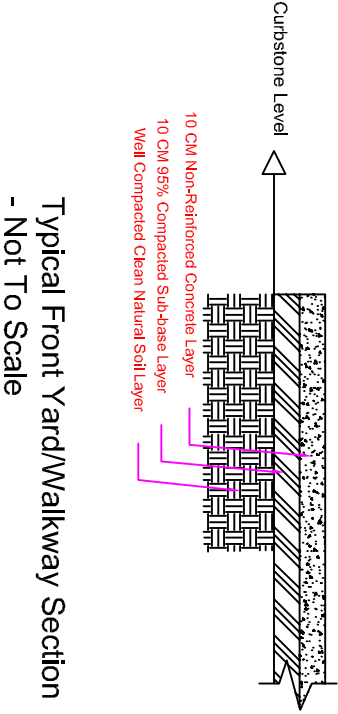
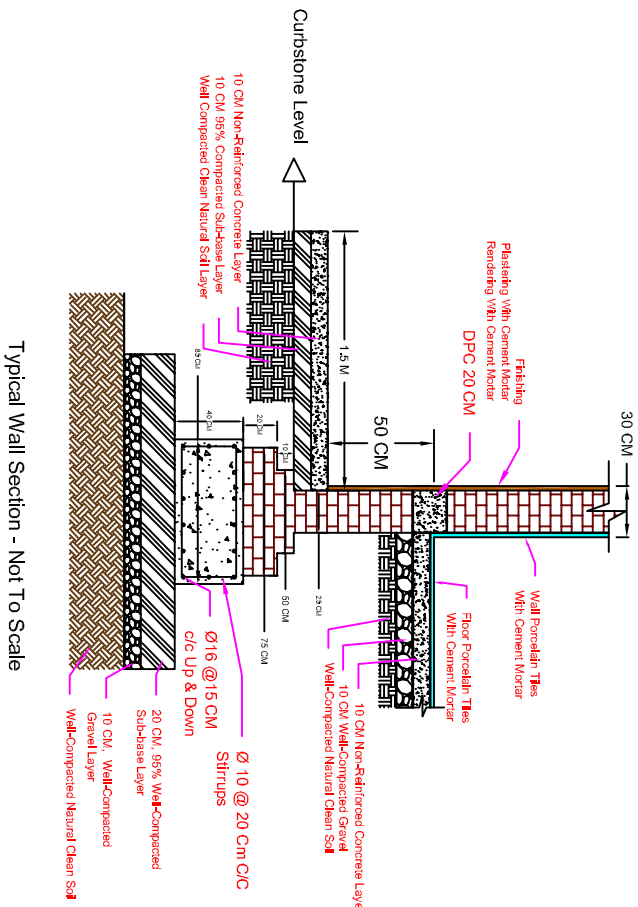
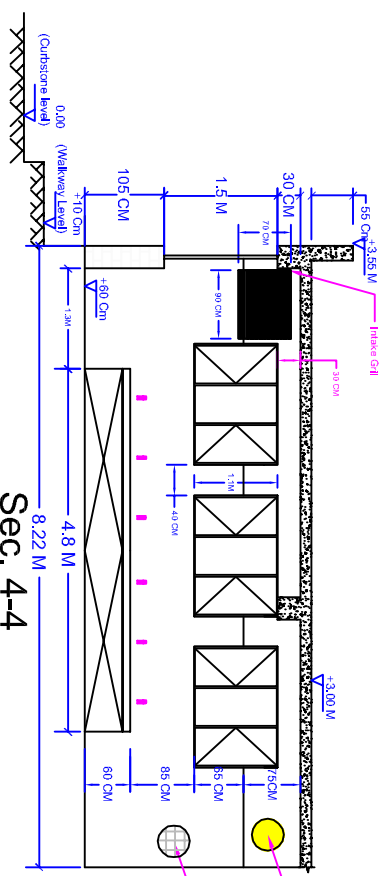
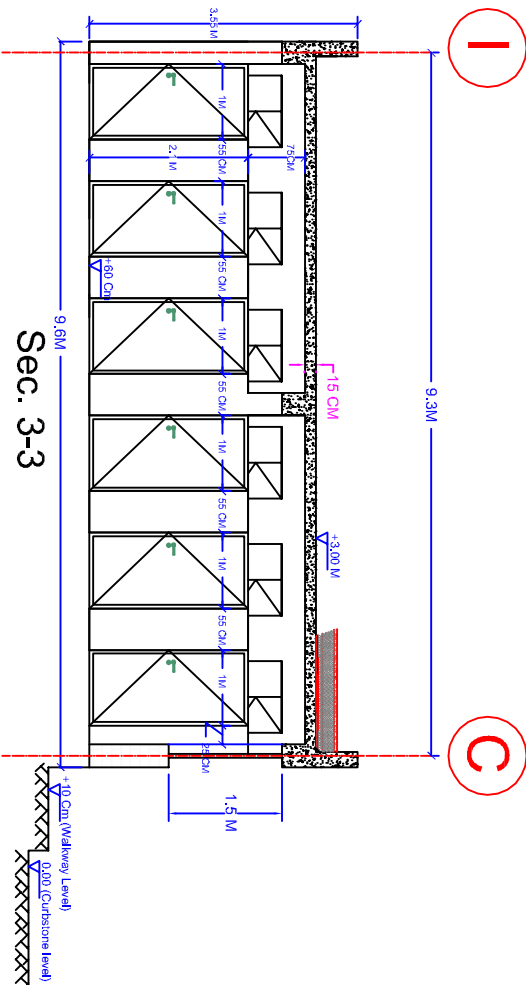
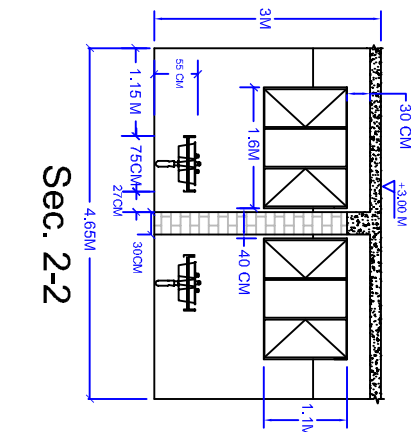
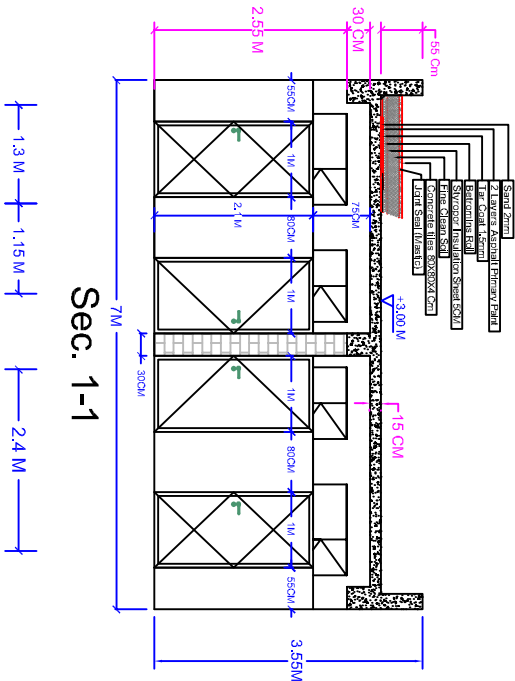
unicef
unite for children

Australian Government
AusAID

Company
National
For Engineering, Construction & Quality Control Ltd.
شركة الهندسة والبناء والتحكم في الجودة

Project Name and Address
REVIEW AND DEVELOPMENT OF CHILD
FRIENDLY WATER, SANITATION AND
HYGIENE FACILITIES DESIGN
PACKAGES FOR PRIMARY SCHOOLS IN
IRAQ.
WASH Design for URBAN Mixed
Schools - Type B

Project Sheet
Sheet No. 5
Date Beam
Scale Reinforcement
1:100/A3 Sheet
ent Detail



General Notes

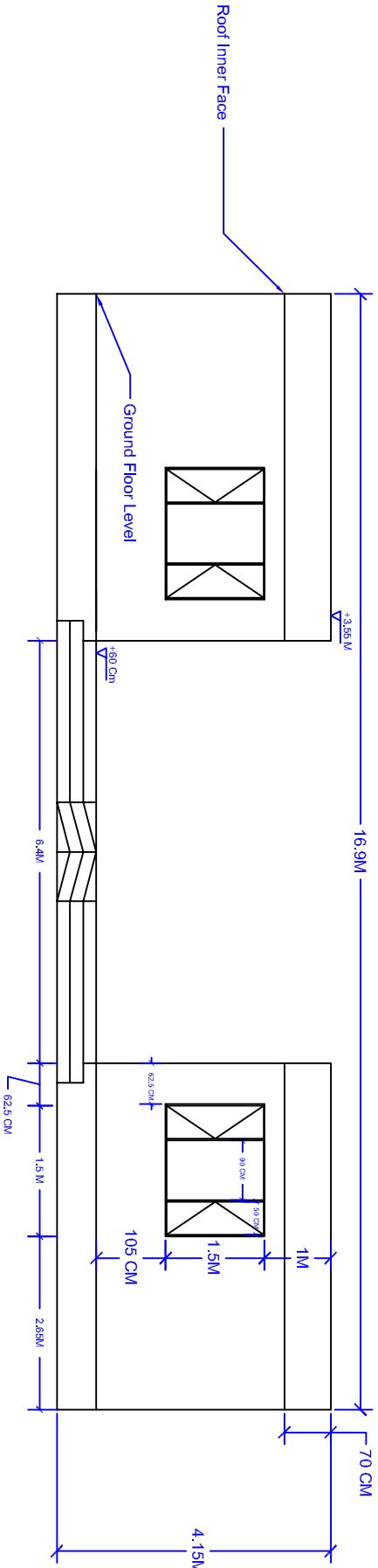


unicef
unite for children
Australian Government
AUS AID

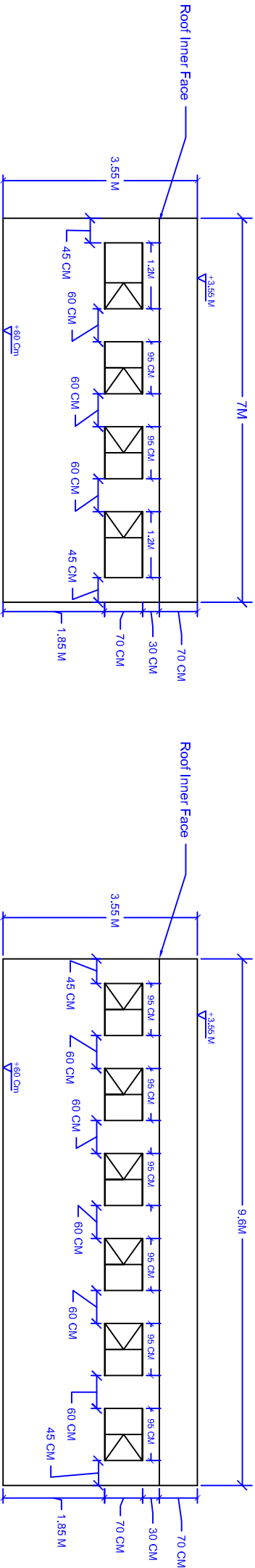


Project Name and Address
REVIEW AND DEVELOPMENT OF CHILD
FRIENDLY WATER ,SANITATION AND
HYGIENE FACILITIES DESIGN
PACKAGES FOR PRIMARY SCHOOLS IN
IRAQ .
WASH Design for Urban Mixed
Schools -Type B

Project Sheet
Title Sheet No. 6
Scale Sec. 1-1, 2-2
1:100/A3 Sheet 3-3, 4-4

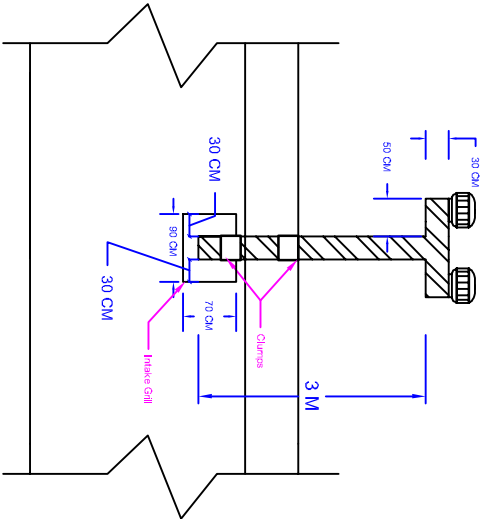
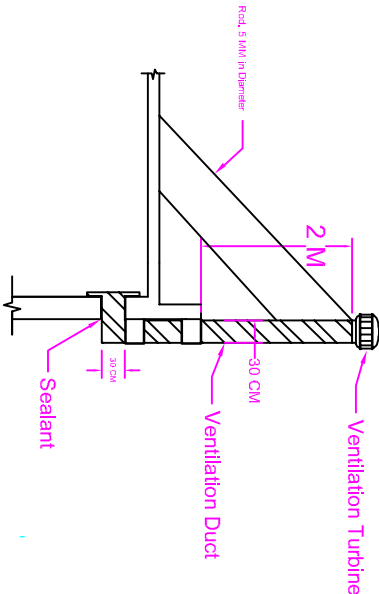


Elevation
1



Elevation
2

Elevation
3



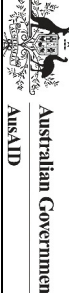
Typical Detail of Ventilation Duct & the Ventilation Turbine

NOT TO SCALE

General Notes

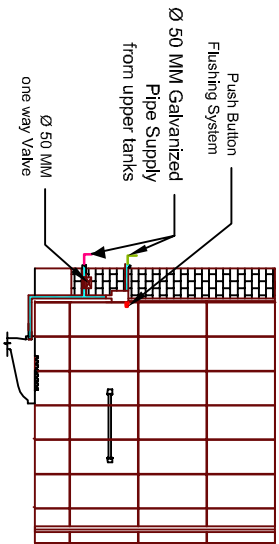
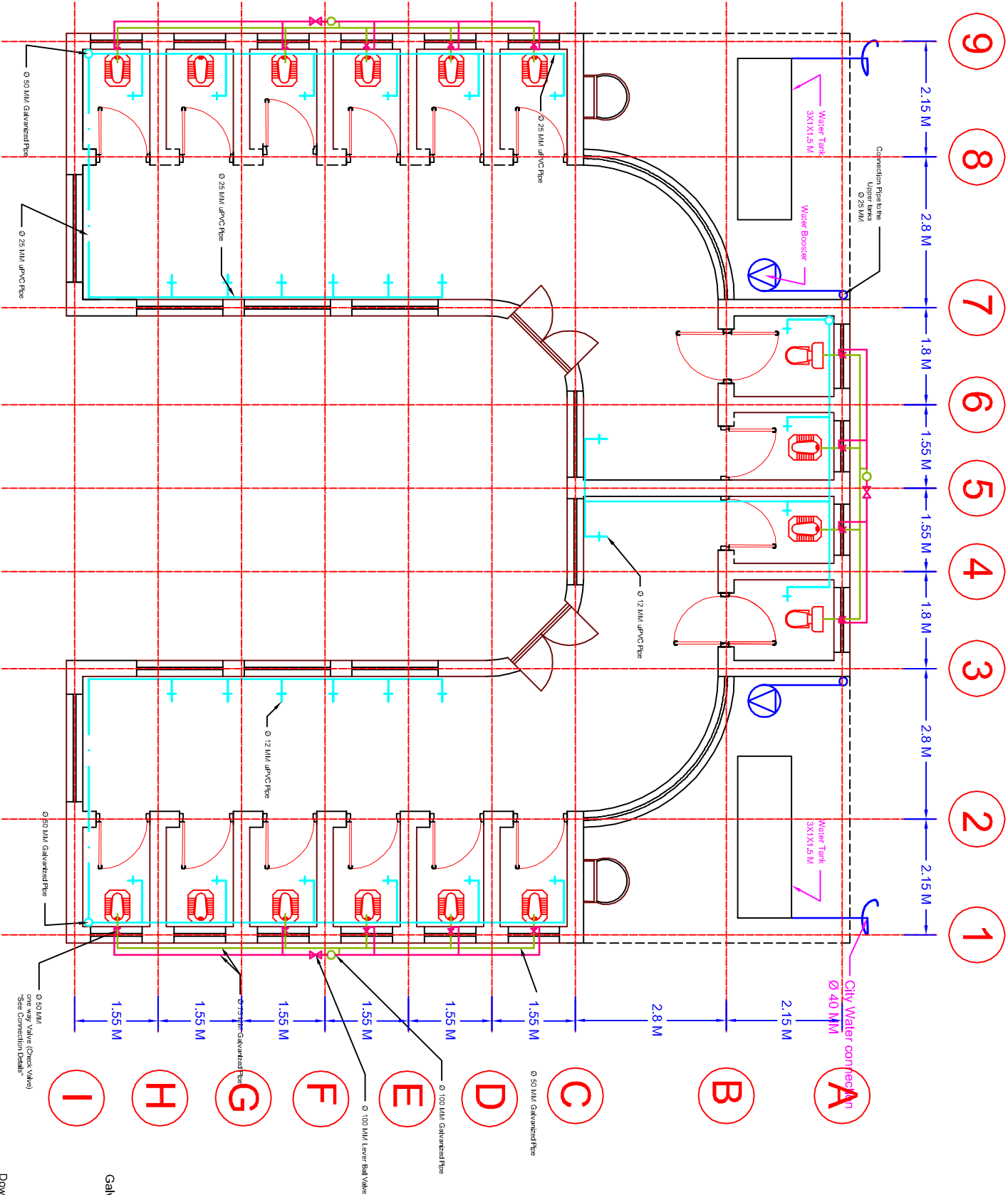


unite for children

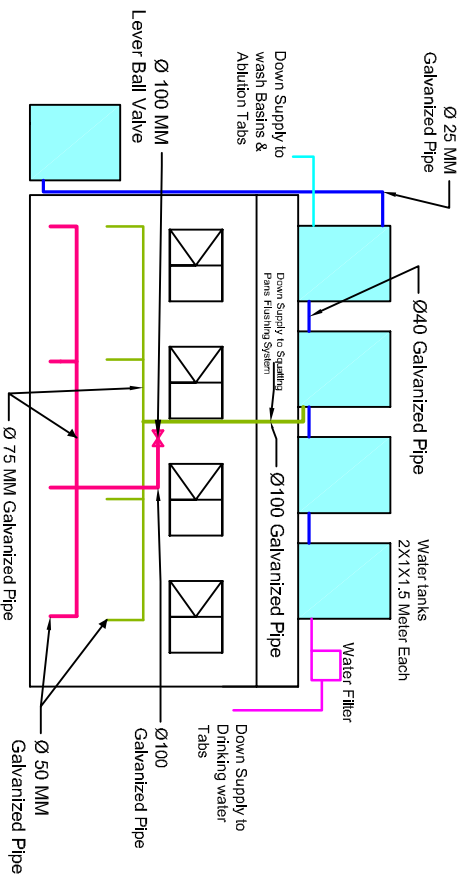


Project Name and Address
REVIEW AND DEVELOPMENT OF CHILD
FRIENDLY WATER, SANITATION AND
HYGIENE FACILITIES DESIGN
PACKAGES FOR PRIMARY SCHOOLS IN
IRAQ .
WASH Design for Urban Mixed
Schools -Type B

Project	Sheet
Date	Sheet No. 8
Scale	ELEV.1, 2, 3
1:100/A3 Sheet	



Connection Details
Not To Scale



General Notes

— This Color Is used here for Piping from the Ground water tanks to the Upper water tanks

— This Color Is used here for Internal Piping for the Wash Basin & Toilet Ablution Tabs. It's Connected to the Upper tanks by a 2" Pipe.

— This Color Is used here for Piping of the Drinking water Tabs located outside the building. It's connected to the upper tanks by 2" Pipe. It's also connected to the Water Filter located just beside the water tank.

— This Color Is used here for Piping of the Squatting Pans. It's connected to the upper Tanks by a 3" Pipe & connected to each of the Squatting pans. Flushing Mechanism by 1" Pipe.

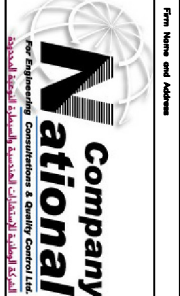
— This Color Is used here for Piping of the Manual By pass Flushing system. It's connected to the upper tanks by a 4 " Pipe & then connected to Lever ball Valve then to each of the squatting pans. to see the connection details please refer to the drawings



unicef

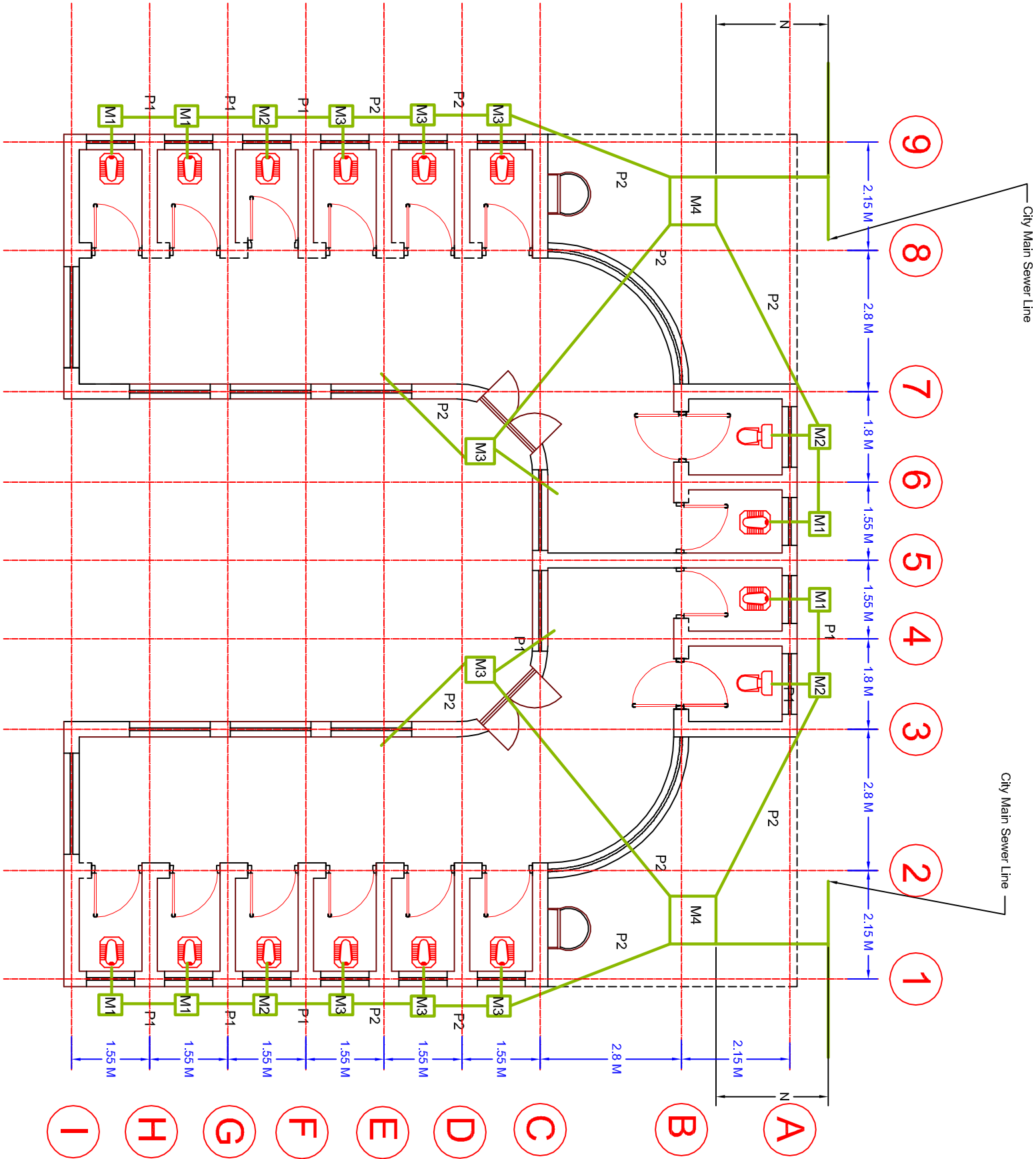
unite for children

Australian Government
AusAID



Project Name and Address
REVIEW AND DEVELOPMENT OF CHILD FRIENDLY WATER ,SANITATION AND HYGIENE FACILITIES DESIGN PACKAGES FOR PRIMARY SCHOOLS IN IRAQ.
WASH Design for Urban Mixed Schools -Type B

Project	Sheet
Date	Sheet No. 9
Scale	Water Distribution Plan. (Plumbing)
1:100/A3 Sheet	

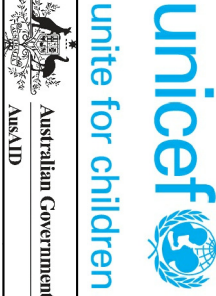


General Notes

Value N:-

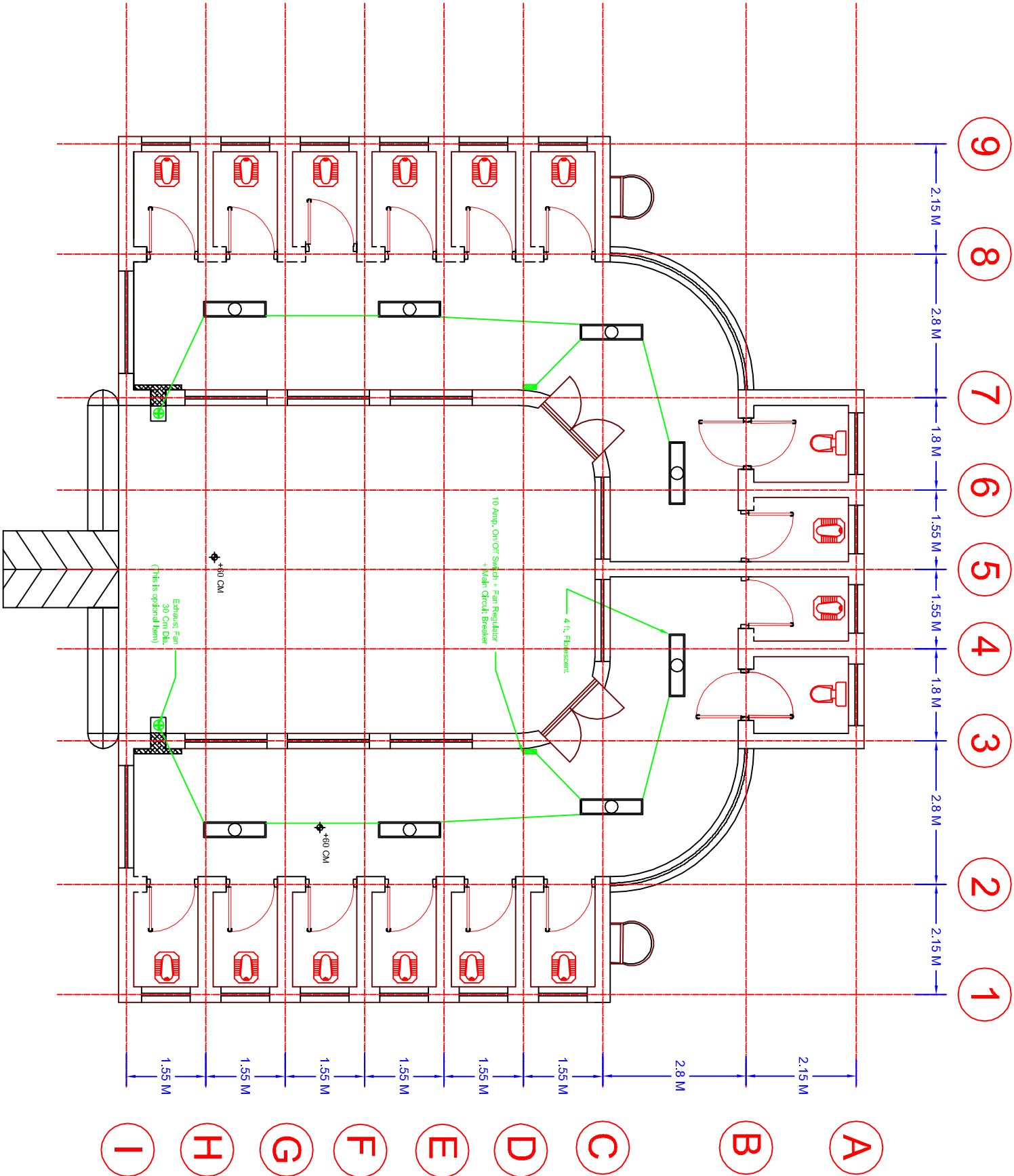
The N Value is to be Determined on Site

- 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



Project Name and Address
REVIEW AND DEVELOPMENT OF CHILD FRIENDLY WATER ,SANITATION AND HYGIENE FACILITIES DESIGN PACKAGES FOR PRIMARY SCHOOLS IN IRAQ.
WASH Design for Urban Mixed Schools -Type B

Project	Sheet No.
Date	10
Scale	1:100/A3 Sheet
	Sewer Network



General Notes



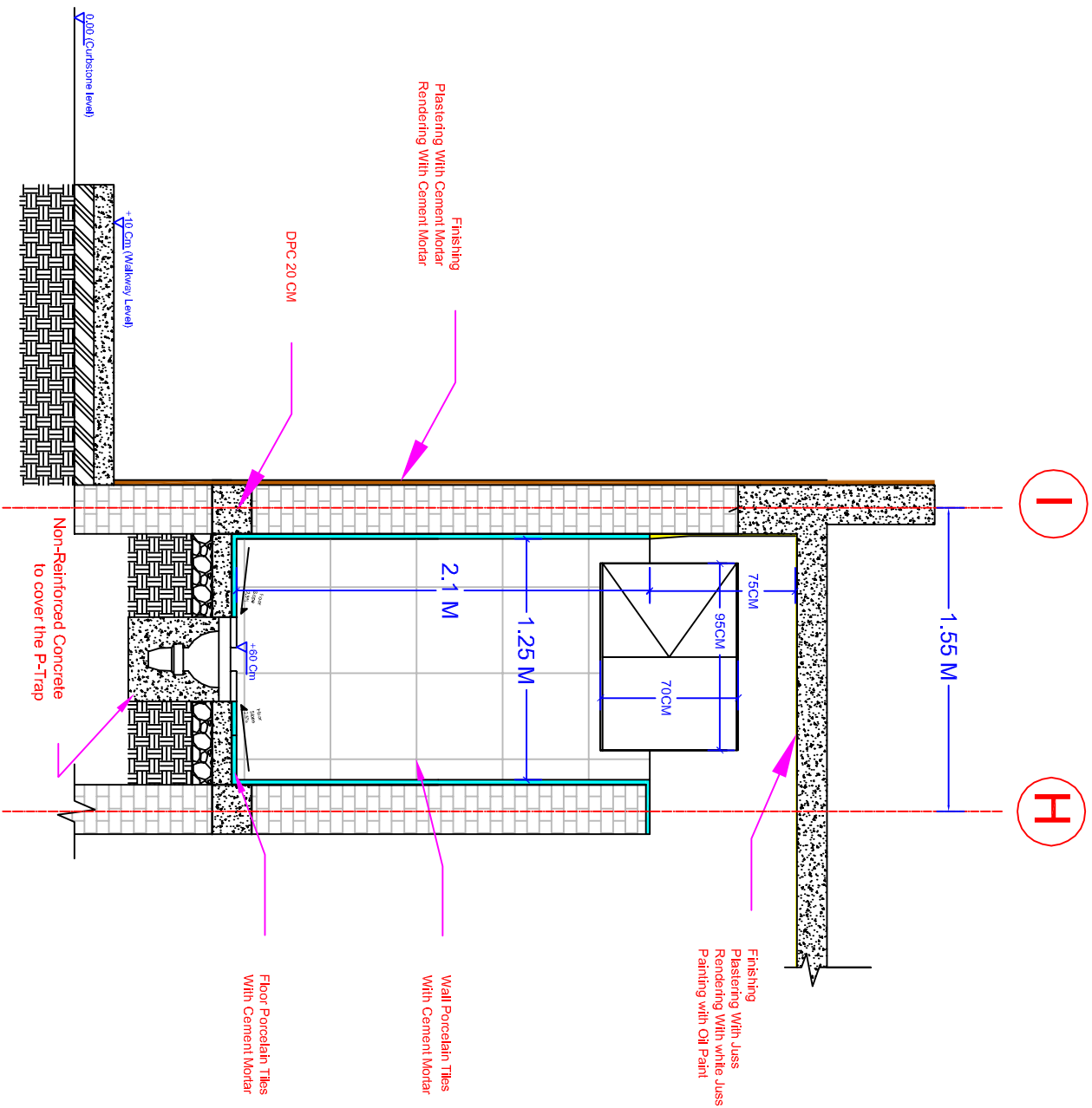
unicef
unite for children

Australian Government
AusAID

Company
National
For Engineering, Construction & Quantity Control Ltd.
شركة الوطنية للهندسة والبناء والتحكم في الكميات

Project Name and Address
REVIEW AND DEVELOPMENT OF CHILD
FRIENDLY WATER, SANITATION AND
HYGIENE FACILITIES DESIGN
PACKAGES FOR PRIMARY SCHOOLS IN
IRAQ.
WASH Design for Urban Mixed
Schools -Type B

Project Sheet
Sheet No. 11
Date
Scale
1:100/A3 Sheet
Electrical Plan

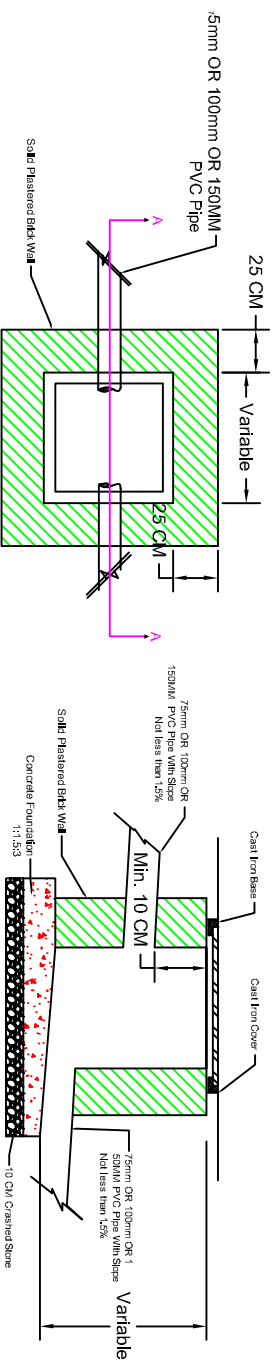


General Notes



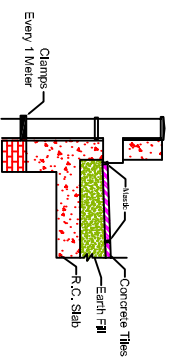
REVIEW AND DEVELOPMENT OF CHILD FRIENDLY WATER, SANITATION AND HYGIENE FACILITIES DESIGN PACKAGES FOR PRIMARY SCHOOLS IN IRAQ.

Project	Sheet
Task	Sheet No. 7
Notes	Typical Section
Not to Scale	



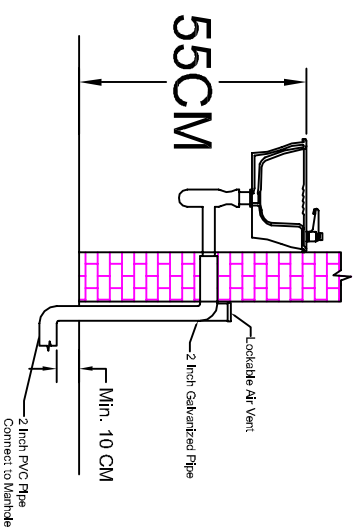
Typical Manhole Detail

NOT TO SCALE



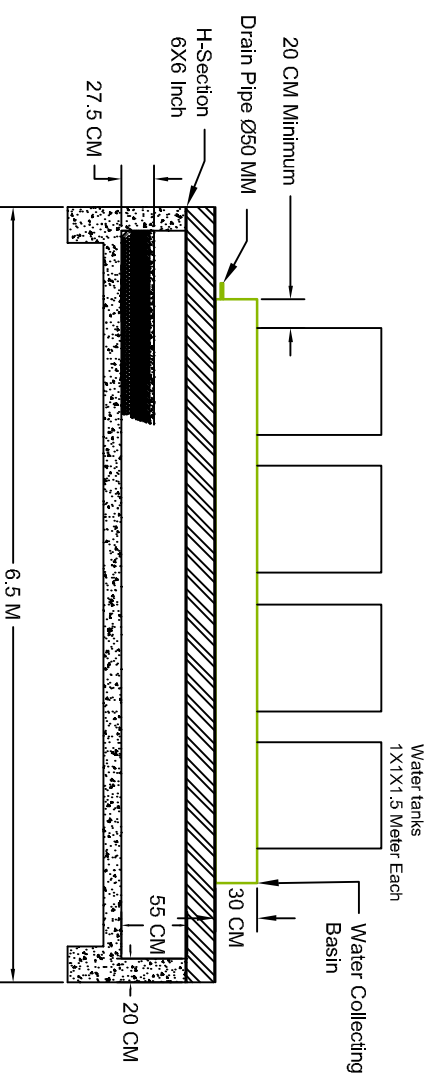
Typical Detail of Drain Water Downspout Pipe

NOT TO SCALE



Typical Detail of Wash Basin

NOT TO SCALE

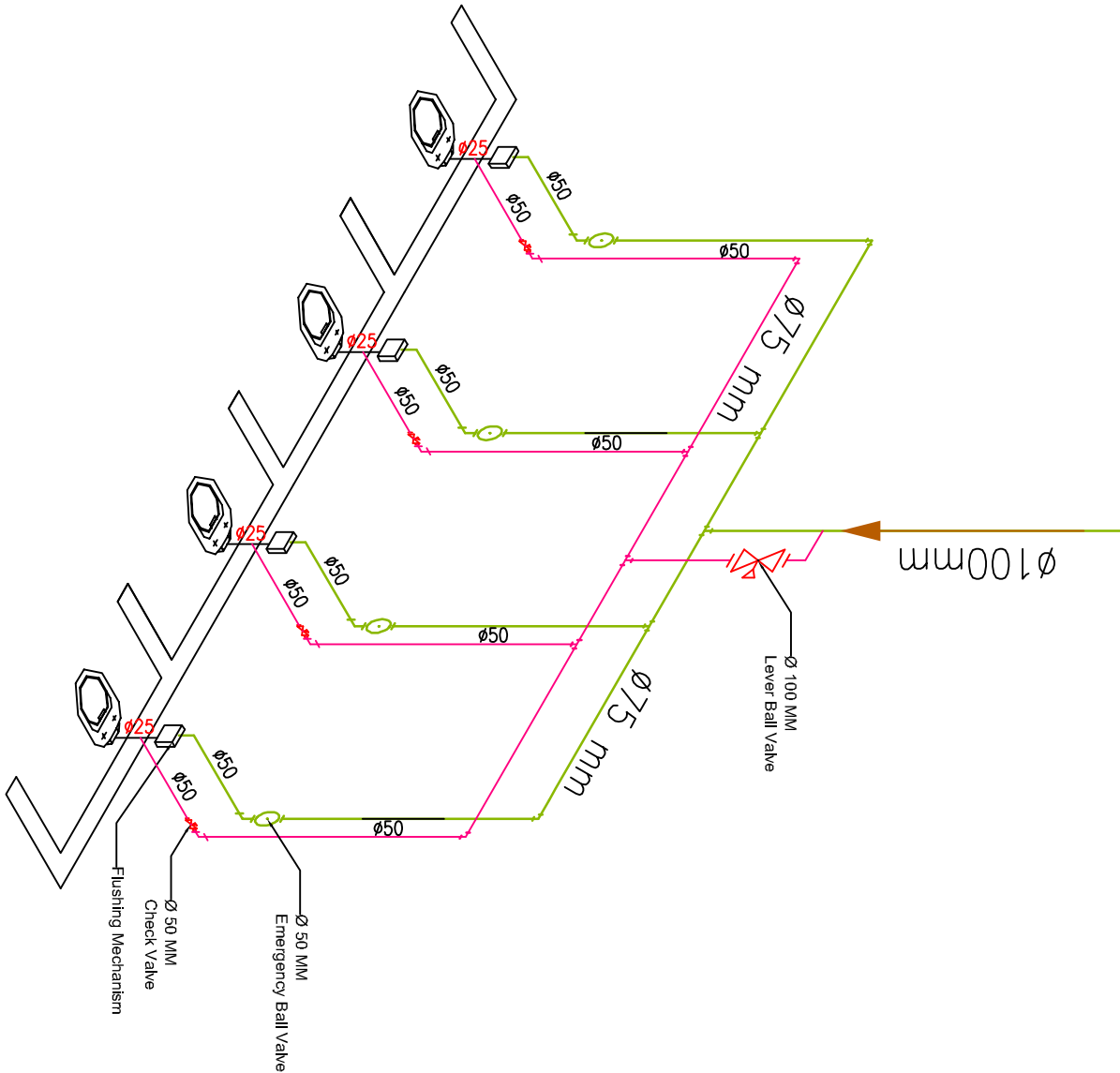


Typical Detail Upper water tanks

NOT TO SCALE

General Notes	
 <p>unicef unite for children</p> <p>Australian Government AusAID</p> <p>Project Name and Address Company National <small>Private Design 1, Level 1, 100/104 Sheel Street, Adelaide South Australia 5000</small></p> <p>REVIEW AND DEVELOPMENT OF CHILD FRIENDLY WATER, SANITATION AND HYGIENE FACILITIES DESIGN PACKAGES FOR PRIMARY SCHOOLS IN RAO.</p> <p>WASH Design for Urban Mixed Schools -Type B</p>	
Project No. 112	Sheet No. 1
1:100 /A4 Sheet Purling Details 1	

Main Supply From Upper Tanks



General Notes



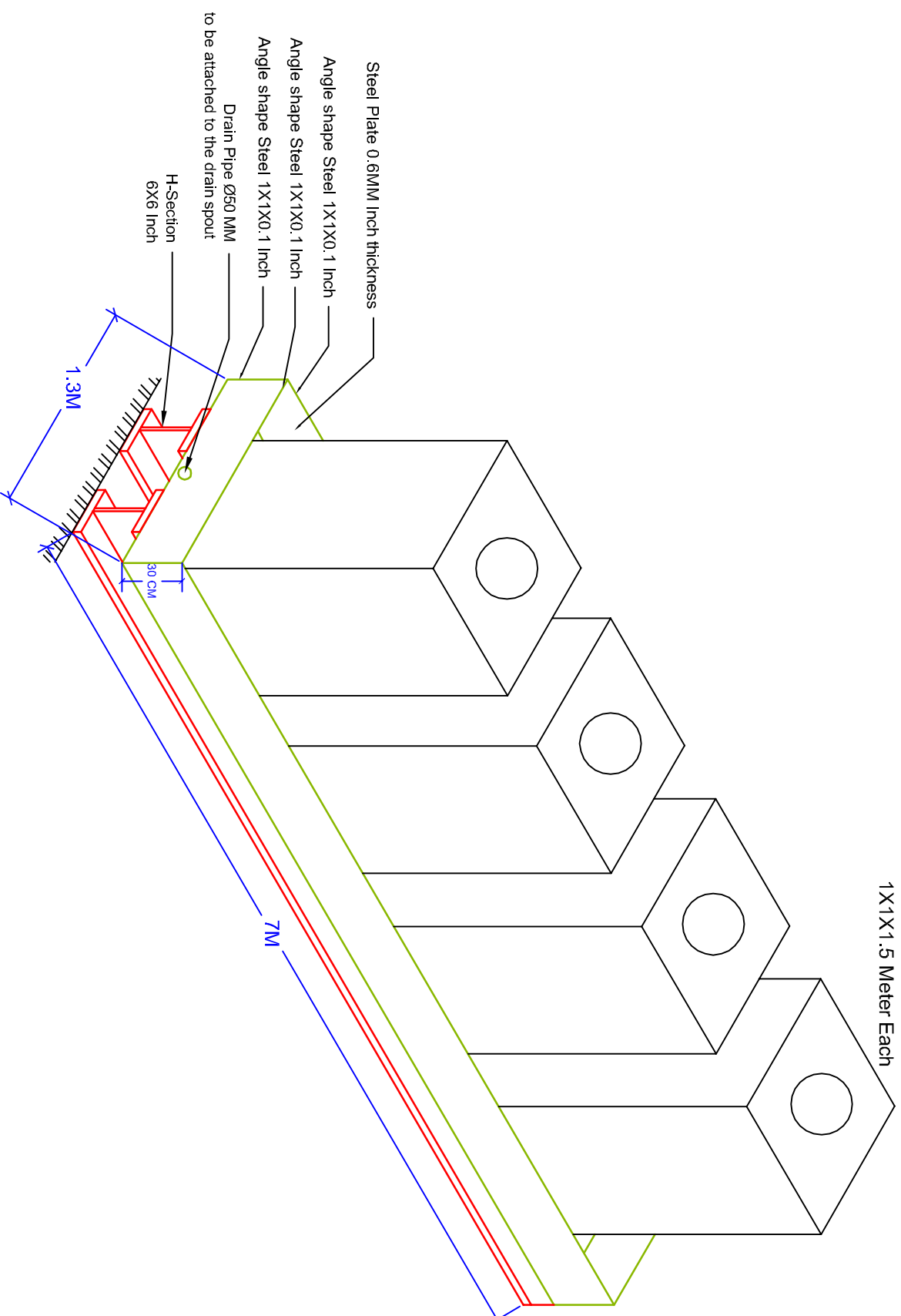
unicef
unite for children
Australian Government
AUSAID

Company
National
for Engineering, Construction & Surveying Services

Project Name and Address
REVIEW AND DEVELOPMENT OF
CHILD FRIENDLY WATER, SANITATION
AND HYGIENE FACILITIES DESIGN
PACKAGES FOR PRIMARY SCHOOLS
IN RURAL
WASH Design for Urban Mixed
Schools -Type B

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

Water tanks
1X1X1.5 Meter Each

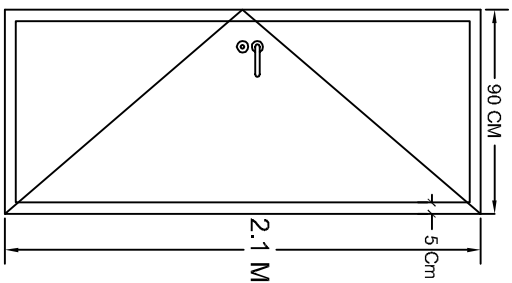


Owner's Name

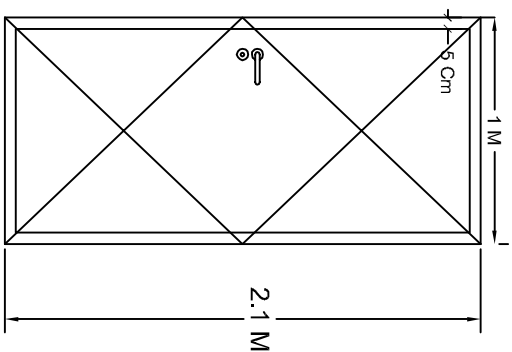


Project Name and Address
REVIEW AND DEVELOPMENT OF
CHILD FRIENDLY WATER SANITATION
AND HYGIENE FACILITIES DESIGN
PACKAGES FOR PRIMARY SCHOOLS
IN IRAQ.
WASH Design for Urban Mixed
Schools -Type B

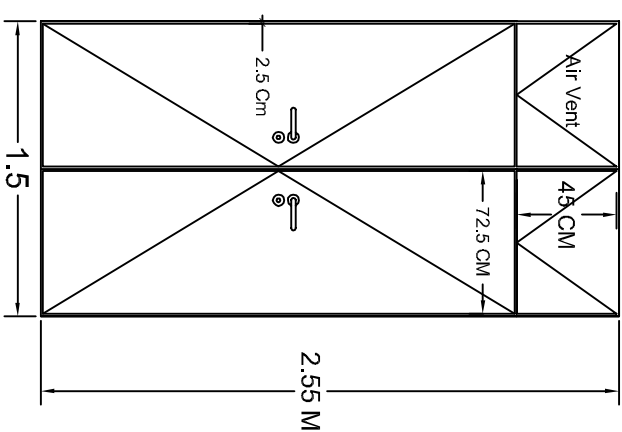
Project Sheet
Date 15
Sheet No.
Not to Scale
Planning Field 4



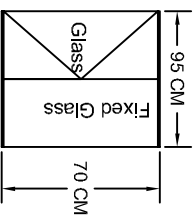
Bathroom Door - Aluminum - Qty. 14



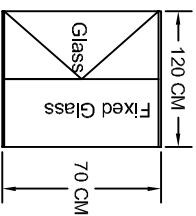
Bathroom Door - Aluminum - Qty. 2



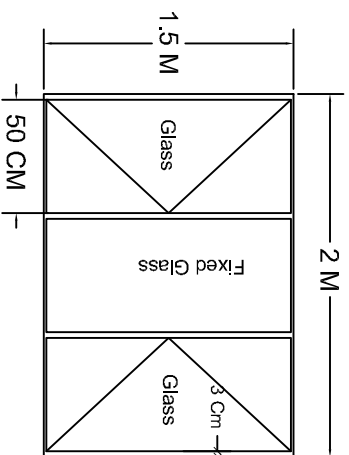
Entrance Door - Steel - Qty. 2



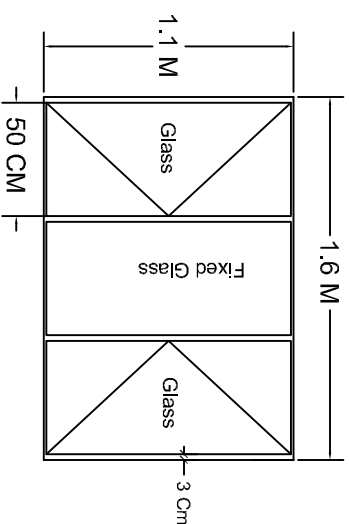
Bathroom Window - Steel - Qty. 14



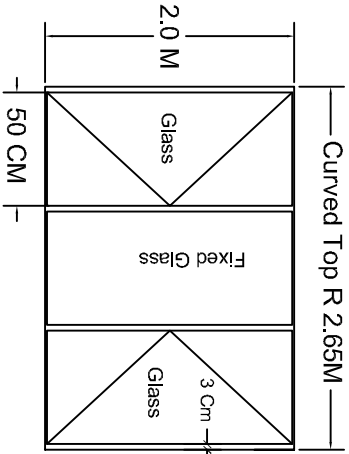
Bathroom Window - Steel - Qty. 2



Front Windows - Steel - Qty. 8



Front Windows - Steel - Qty. 8



Curved Window - Steel - Qty. 2

General Notes



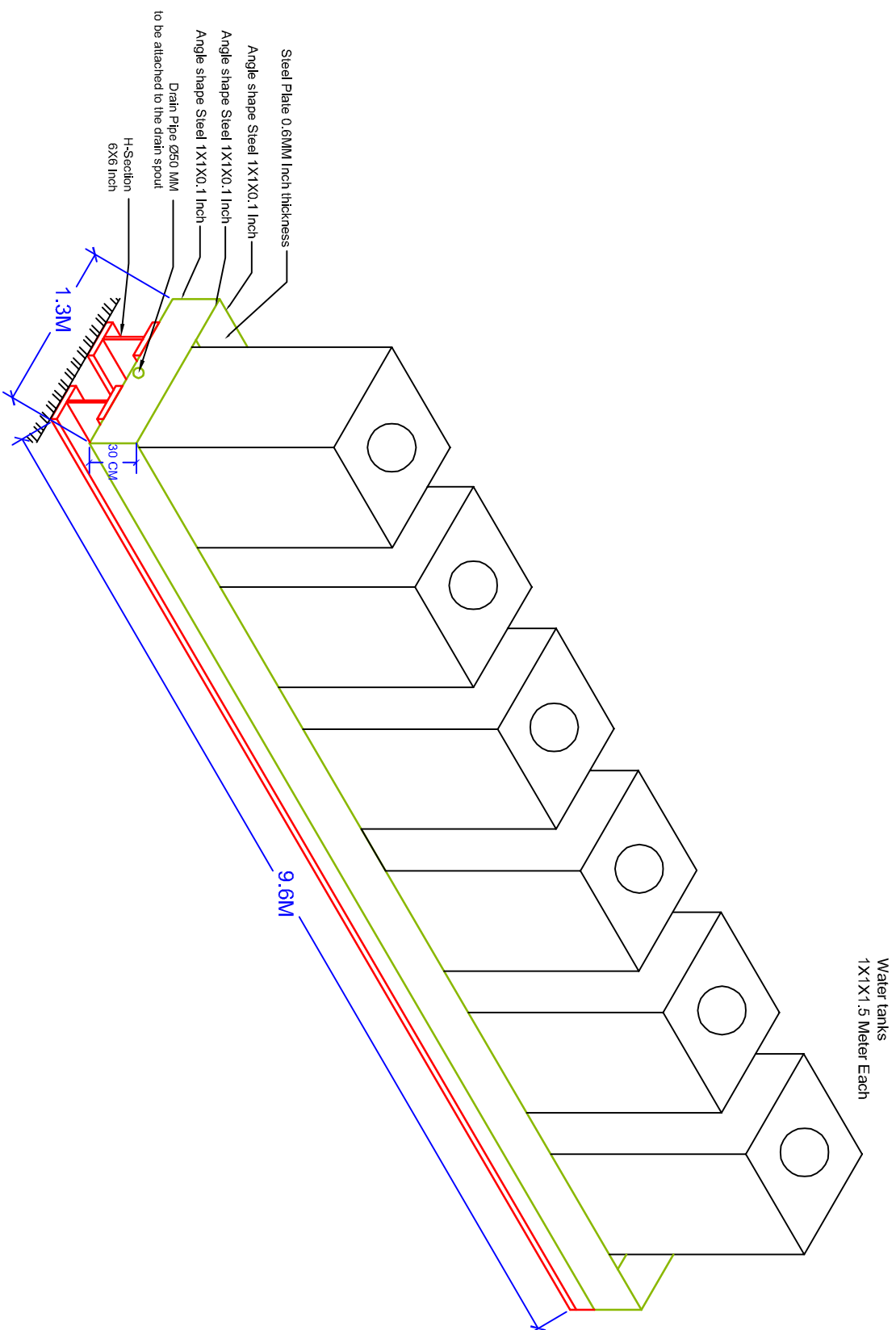
unicef
unite for children

Australian Government
ANSAID

Company
National

DESIGN AND CONSTRUCTION OF
CHILD FRIENDLY WATER, SANITATION
AND HYGIENE FACILITIES DESIGN
PACKAGES FOR PRIMARY SCHOOLS
INTRA- Design for Urban Mixed
Schools -Type B

Project
Sheet No. 14
Windows,
Doors Detail
Not to Scale



General Notes



unicef

unite for children

Australian Government
ANCAID

Company
National

REVIEW AND DEVELOPMENT OF
CHILD FRIENDLY WATER, SANITATION
AND HYGIENE FACILITIES DESIGN
PACKAGES FOR PRIMARY SCHOOLS
IN IRAD .
WASH Design for Urban Mixed
Schools -Type B

Project	Sheet	No.
Not to Scale	16	Plumbing Detail 5



 unicef unite for children		 Australian Government ANZAD		 Company National <i>Project Water and Hygiene</i> <i>for Sustainable Communities & Quality Education</i>	
Project Water and Hygiene REVIEW AND DEVELOPMENT OF CHILD FRIENDLY WATER, SANITATION AND HYGIENE FACILITIES DESIGN PACKAGES FOR PRIMARY SCHOOLS IN RAO. WASH Design for Urban Mixed Settlements -Type B		Project Water and Hygiene REVIEW AND DEVELOPMENT OF CHILD FRIENDLY WATER, SANITATION AND HYGIENE FACILITIES DESIGN PACKAGES FOR PRIMARY SCHOOLS IN RAO.		Project Water and Hygiene REVIEW AND DEVELOPMENT OF CHILD FRIENDLY WATER, SANITATION AND HYGIENE FACILITIES DESIGN PACKAGES FOR PRIMARY SCHOOLS IN RAO.	
Page No. 17	Sheet No. 17	Page No. 17	Sheet No. 17	Page No. 17	Sheet No. 17