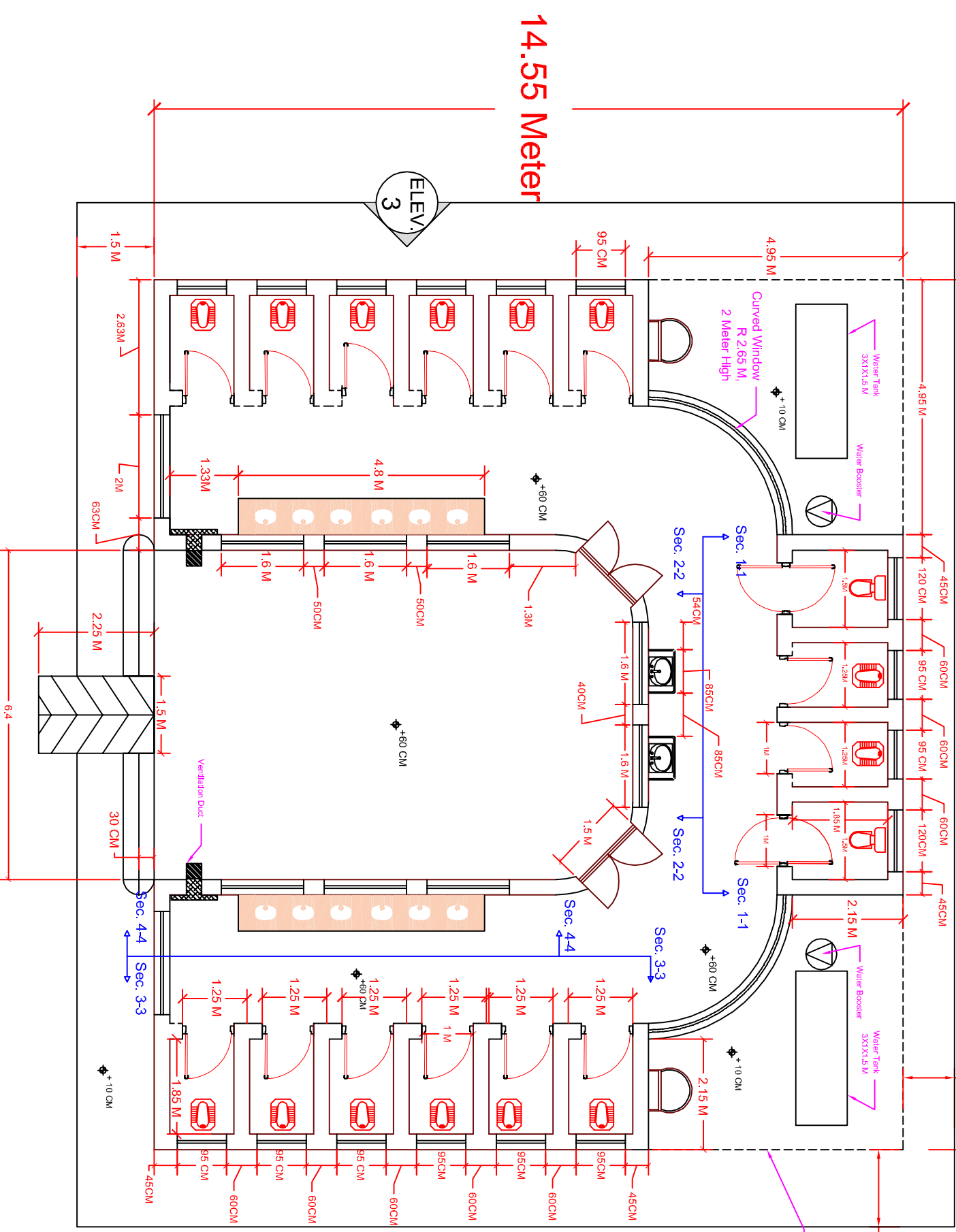
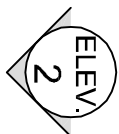
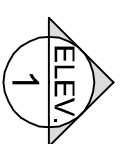


16.9 Meter



14.55 Meter



General Notes



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unite for children

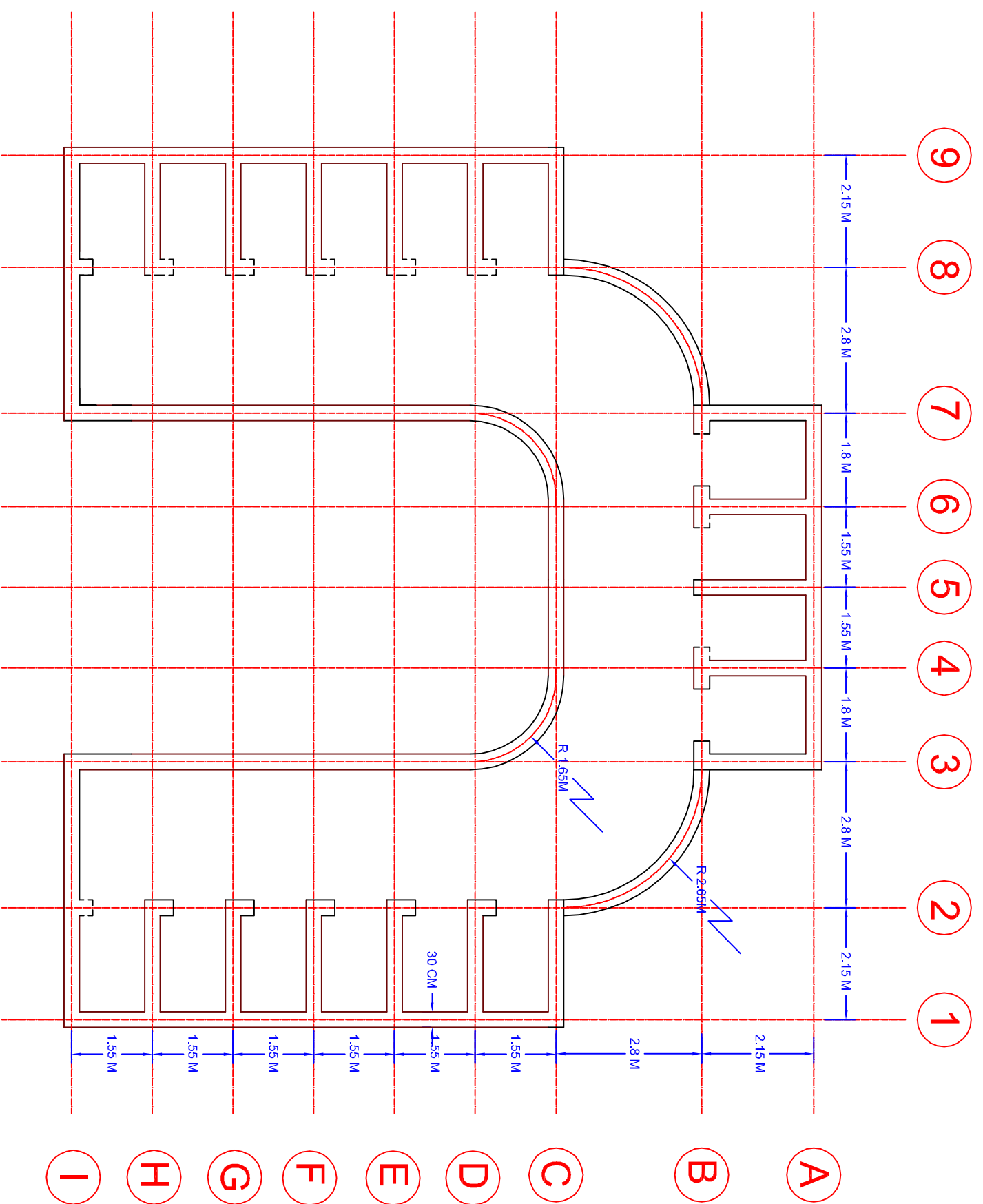
Australian Government
AusAID

No.	Revision/Issue	Date

Project Name and Address
National Company
Per Engineering Consultants & Quality Control Ltd
Specialized in Mechanical, Electrical, Plumbing, Sanitary, Structural, and Civil Works

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 Single Schools - Type B

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



General Notes






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 Australian Government
 AUSTRALIAN
 AUSAID



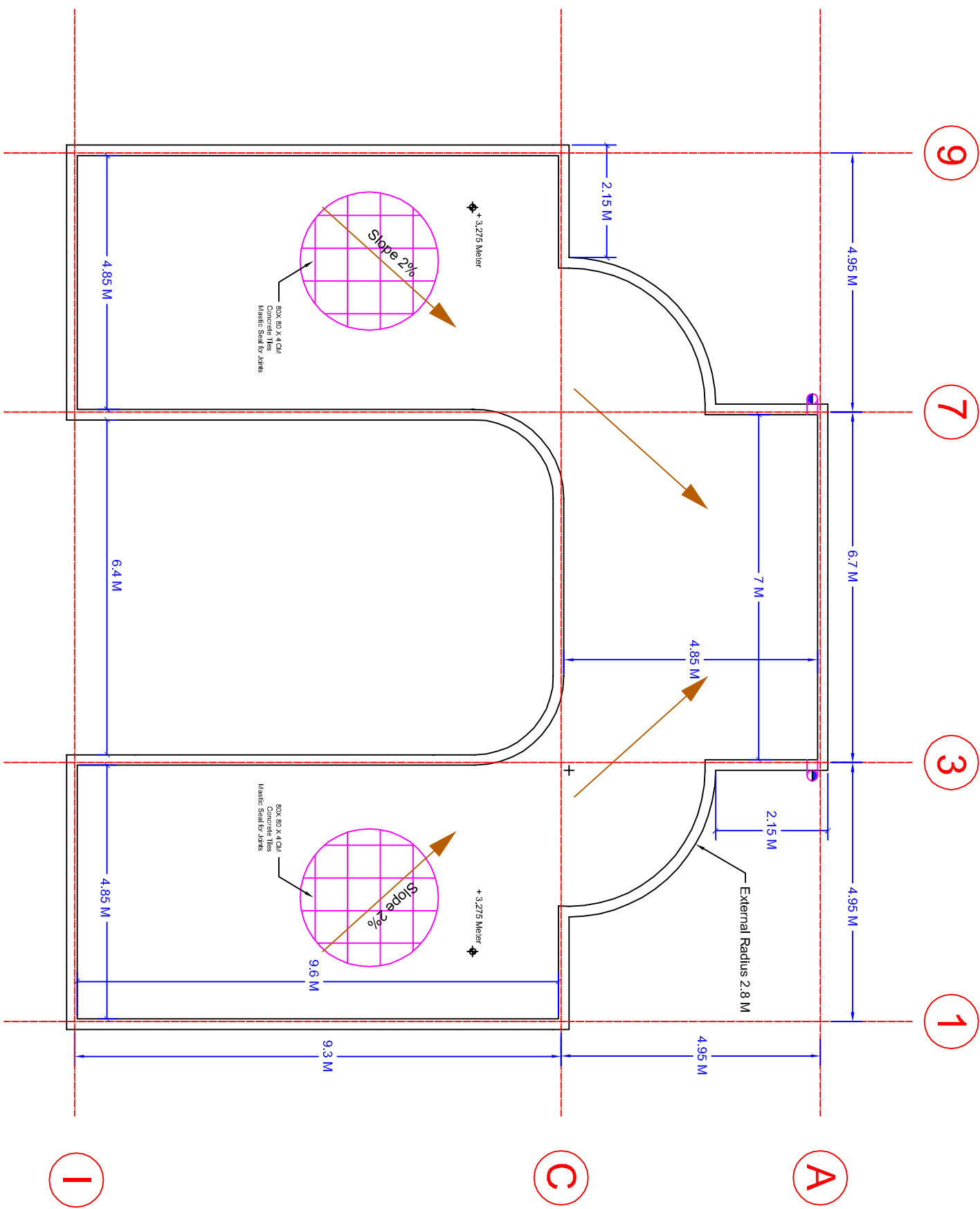
Company National
 For Engineering, Construction & Quality Control Ltd.
 School Design, Sanitation, Water, Sanitation & Hygiene (WASH)

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 Single Schools -Type B

Project Sheet
 Sheet No. 2

Date
 Scale
 1:100/A3 Sheet
 C/L Plan

General Notes



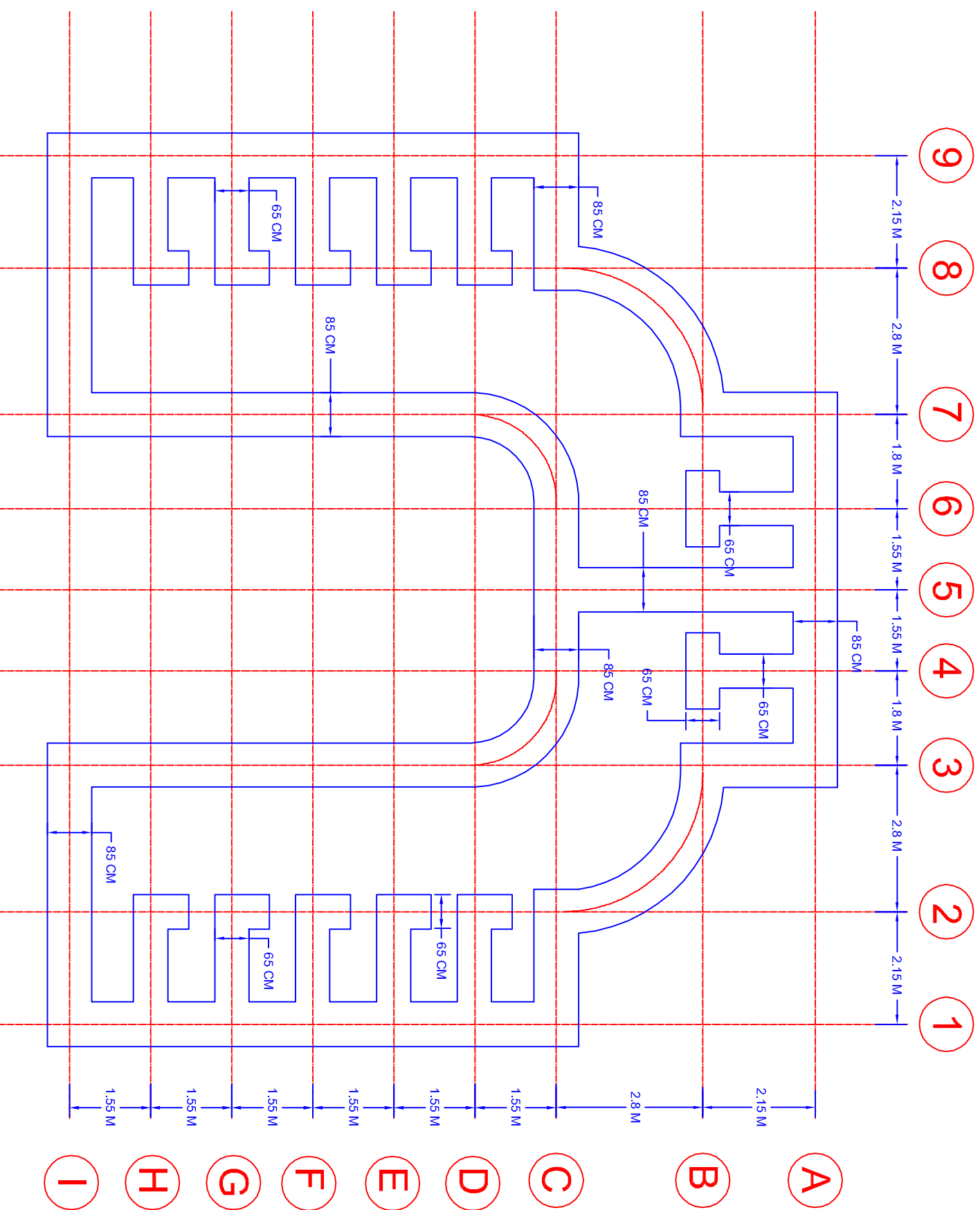
unicef
unite for children

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 Single 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





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 Australian Government



 AusAID



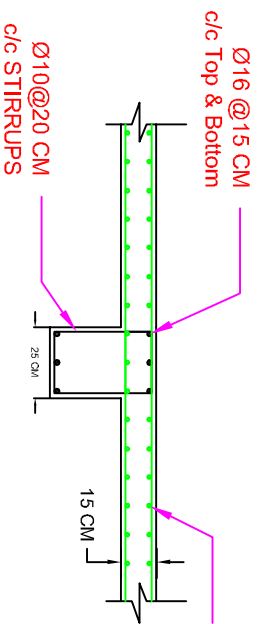
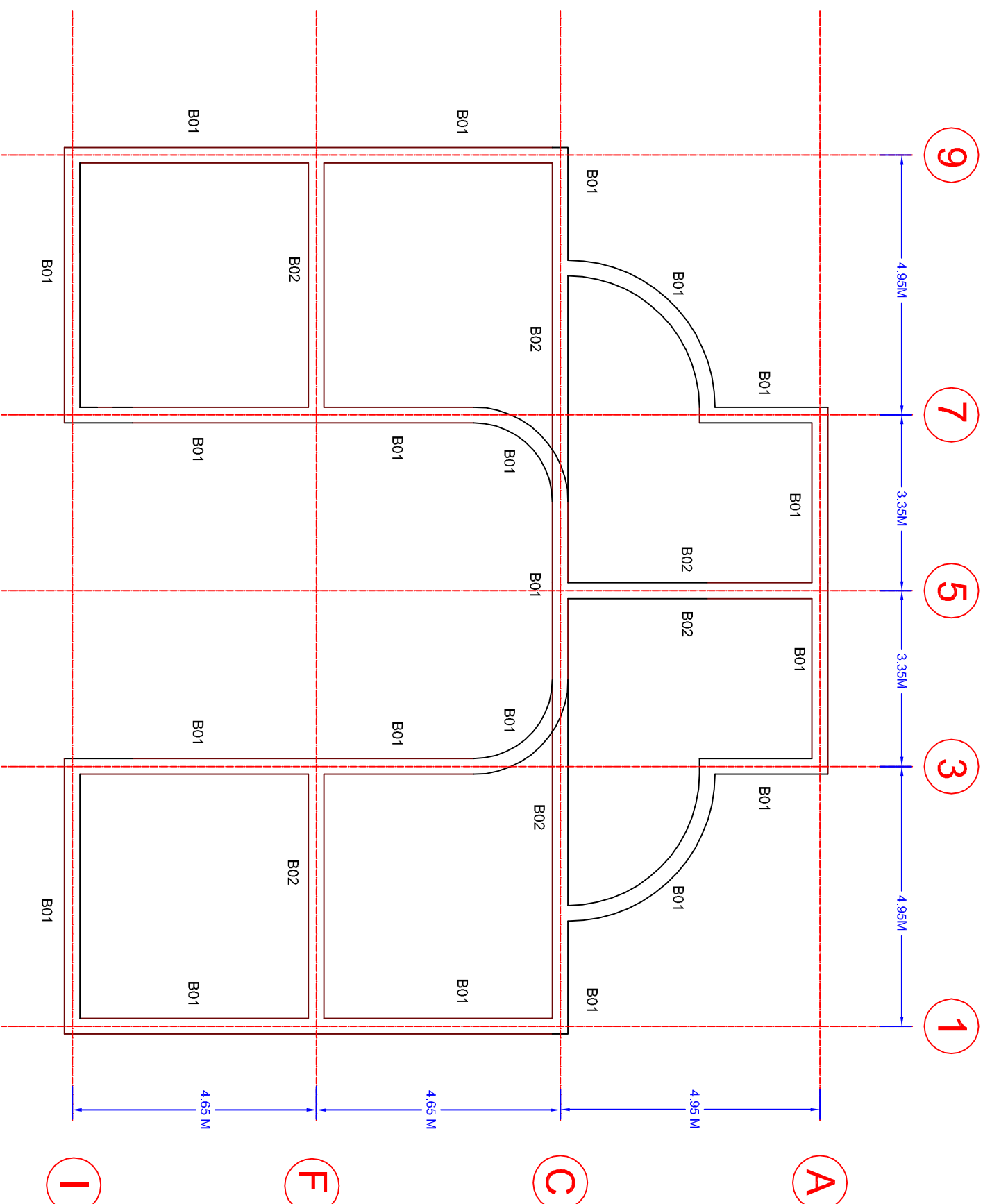
National Company

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 IRAQ.

WASH Design for URBAN Single Schools -Type B

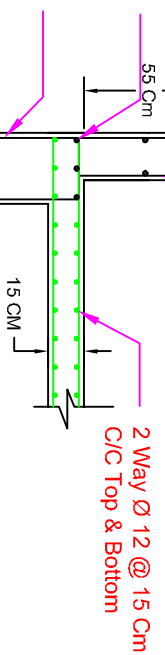
Project	Sheet
Date	Sheet No. 4
Scale	Foundation
1:100/A3 Sheet Plan	



Not to Scale

2 Way $\varnothing 12 @ 15 \text{ cm}$
C/C Top & Bottom

$\varnothing 16 @ 15 \text{ cm}$
c/c Top & Bottom



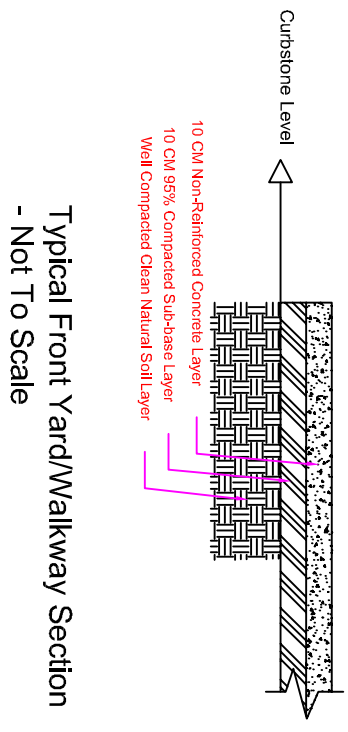
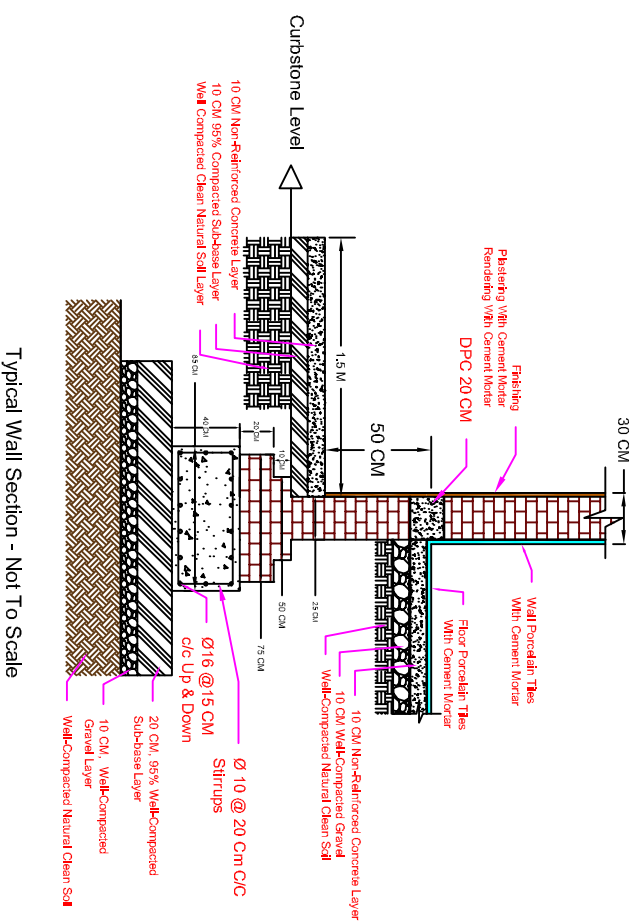
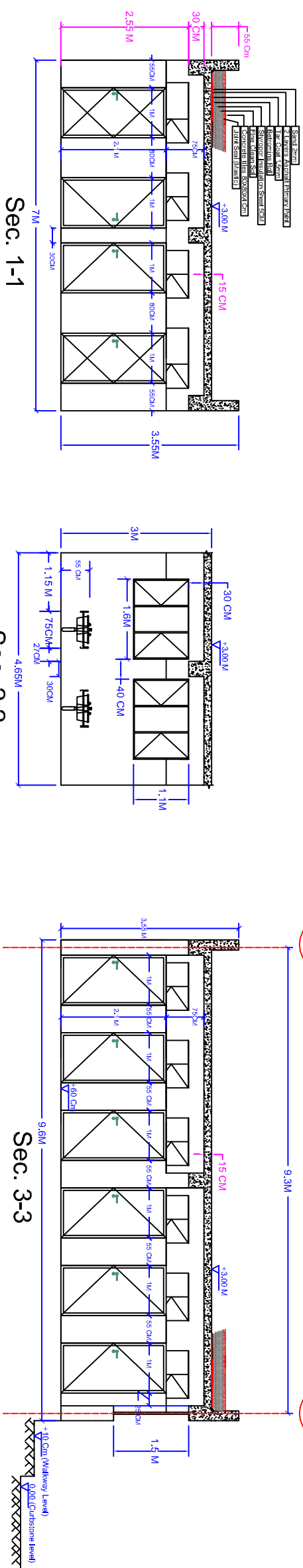
Not to Scale

$\varnothing 16 @ 14 \text{ cm C/C}$
Stirrups

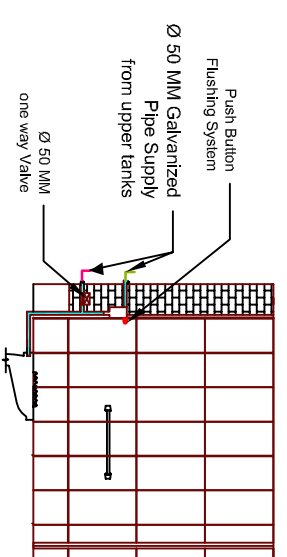
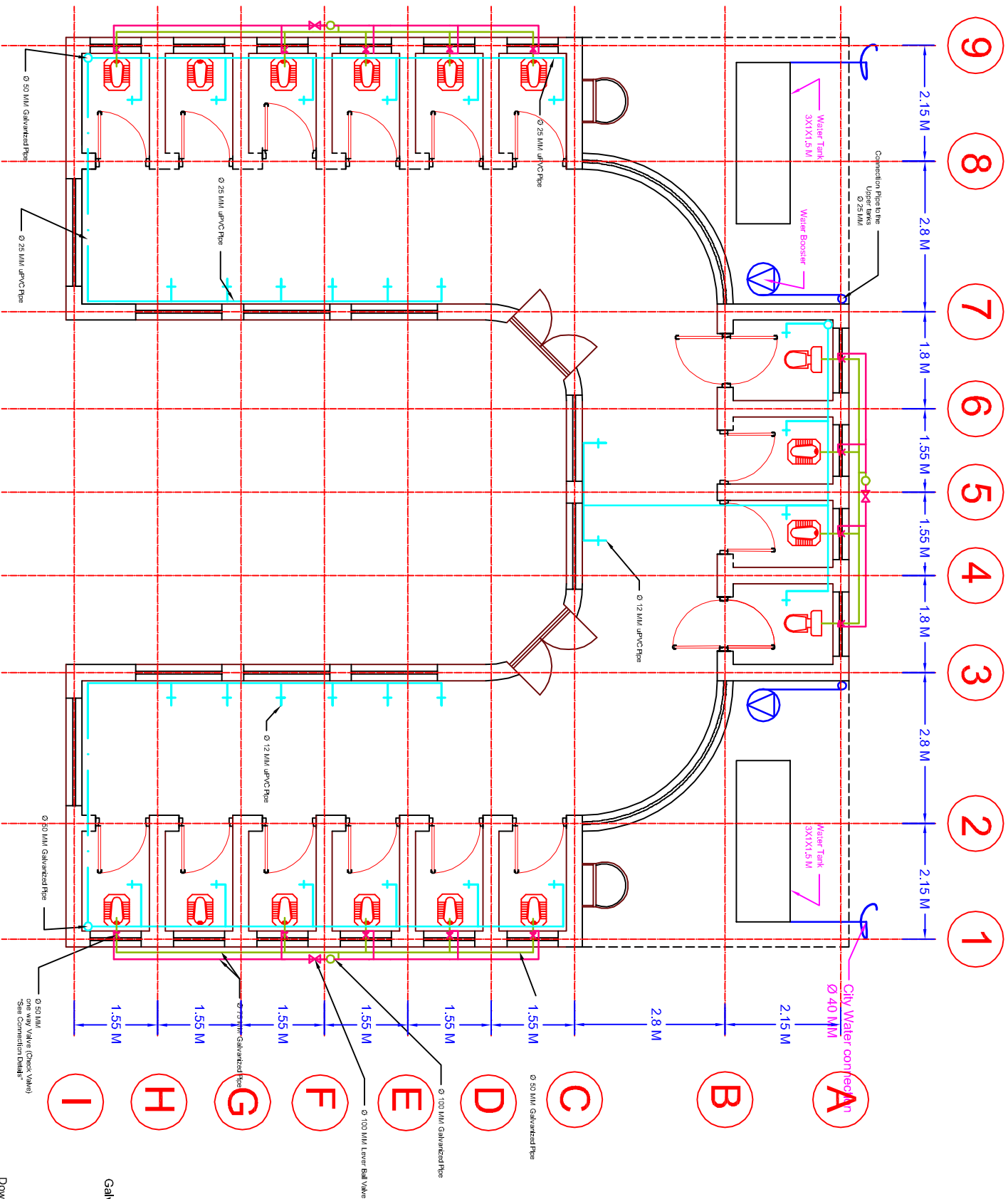
2 Way $\varnothing 12 @ 15 \text{ cm}$
C/C Top & Bottom

General Notes	
<p>Project Name and Address REVIEW AND DEVELOPMENT OF CHILD FRIENDLY WATER, SANITATION AND HYGIENE FACILITIES DESIGN PACKAGES FOR PRIMARY SCHOOLS IN IRAC. WASH Design for URBAN Single Schools - Type B</p>	
Project	Sheet
Date	Sheet No. 5
Scale	Beam Reinforcement Detail
1:100/A3 Sheet	

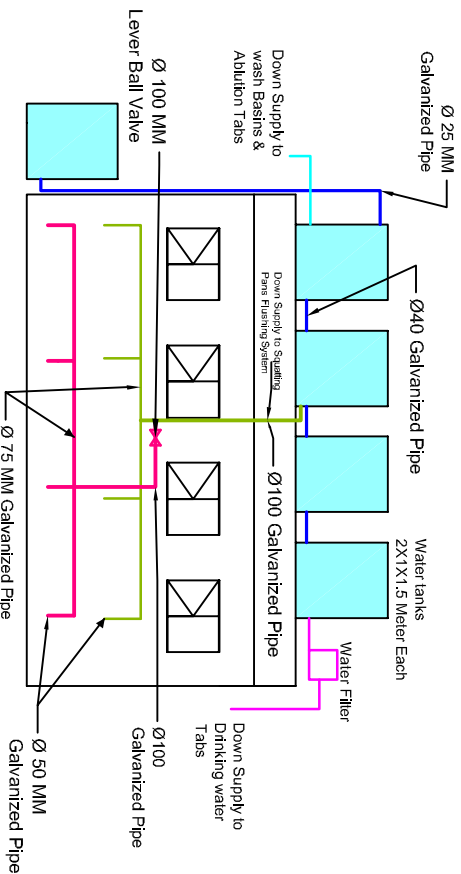
General Notes



 unite for children	 Australian Government AusAID	 Company National For Engineering, Construction & Quality Control Ltd. شركة الوطنية للهندسة والبناء والتحكم في الجودة	<p>Project Name and Address REVIEW AND DEVELOPMENT OF CHILD FRIENDLY WATER, SANITATION AND HYGIENE FACILITIES PACKAGES FOR PRIMARY SCHOOLS IN IRAQ. WASH Design for Urban Single Schools -Type B</p>	<p>Firm Name and Address Sheet No. 6</p>
			<p>Project Date Scale 1:100/A3 Sheet 3-3, 4-4</p>	<p>Sheet Date Scale 1:100/A3 Sheet 3-3, 4-4</p>



Connection Details
Not To Scale



Elevation
4

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 Addition Tabs. Its 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. Its connected to the upper Tanks by 2" Pipe. Its also connected to the Water Filter located just beside the Water tank.

This 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.

This Color is used here for Piping of the Manual By pass Flushing system. Its connected to the upper Tanks by a 4" Pipe & then connected to each of the squatting pans, to see the connection details please refer to the drawings



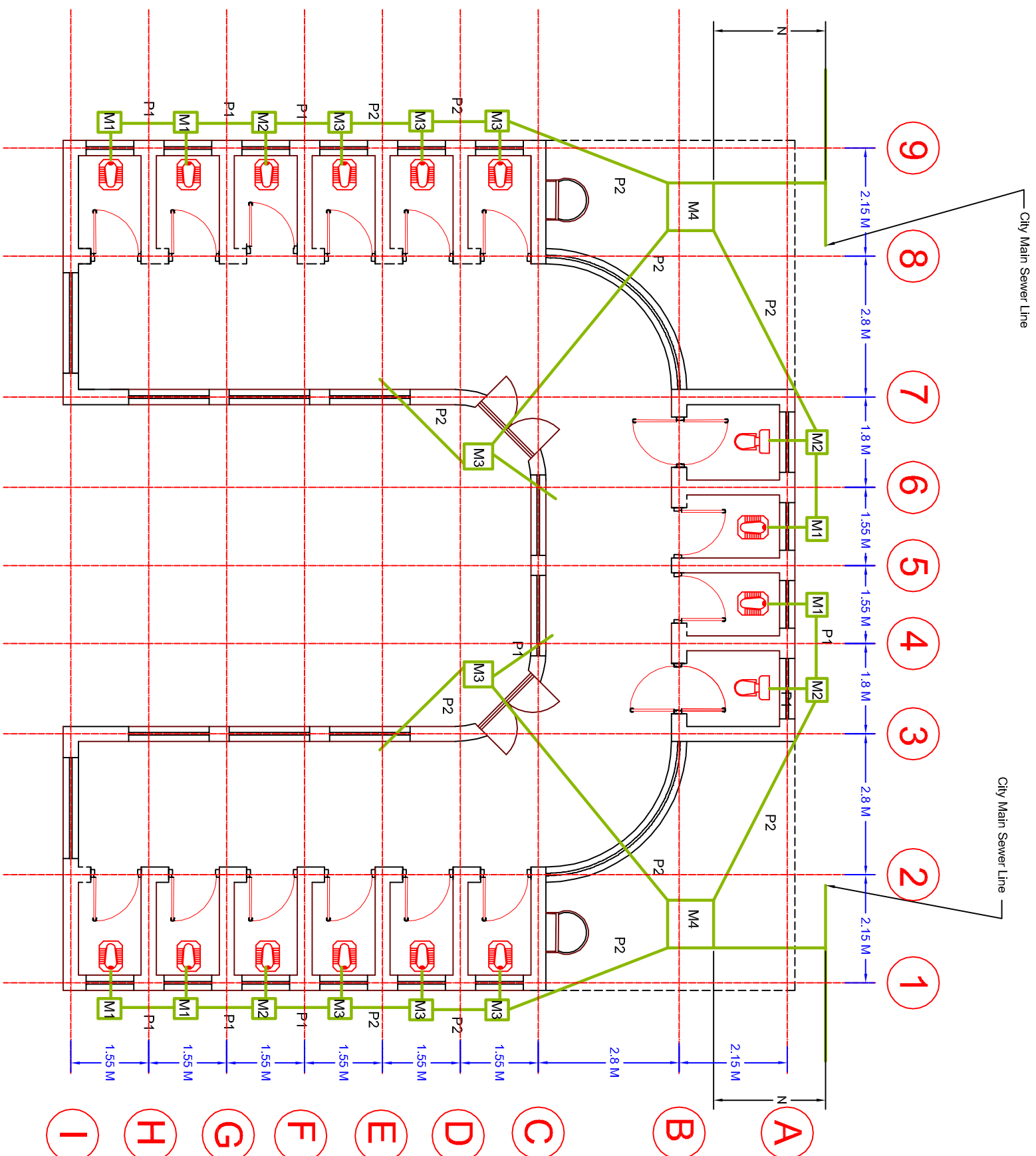
unicef
unite for children

Australian Government
ANR AID

Project Name and Address
National
For Engineering, Construction & Geology Control Ltd.
Specialized Design, 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 IRAQ.
WASH Design for Urban Single Schools -Type B

Project Sheet
Date Sheet No. 9
Scale Water Distribution
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



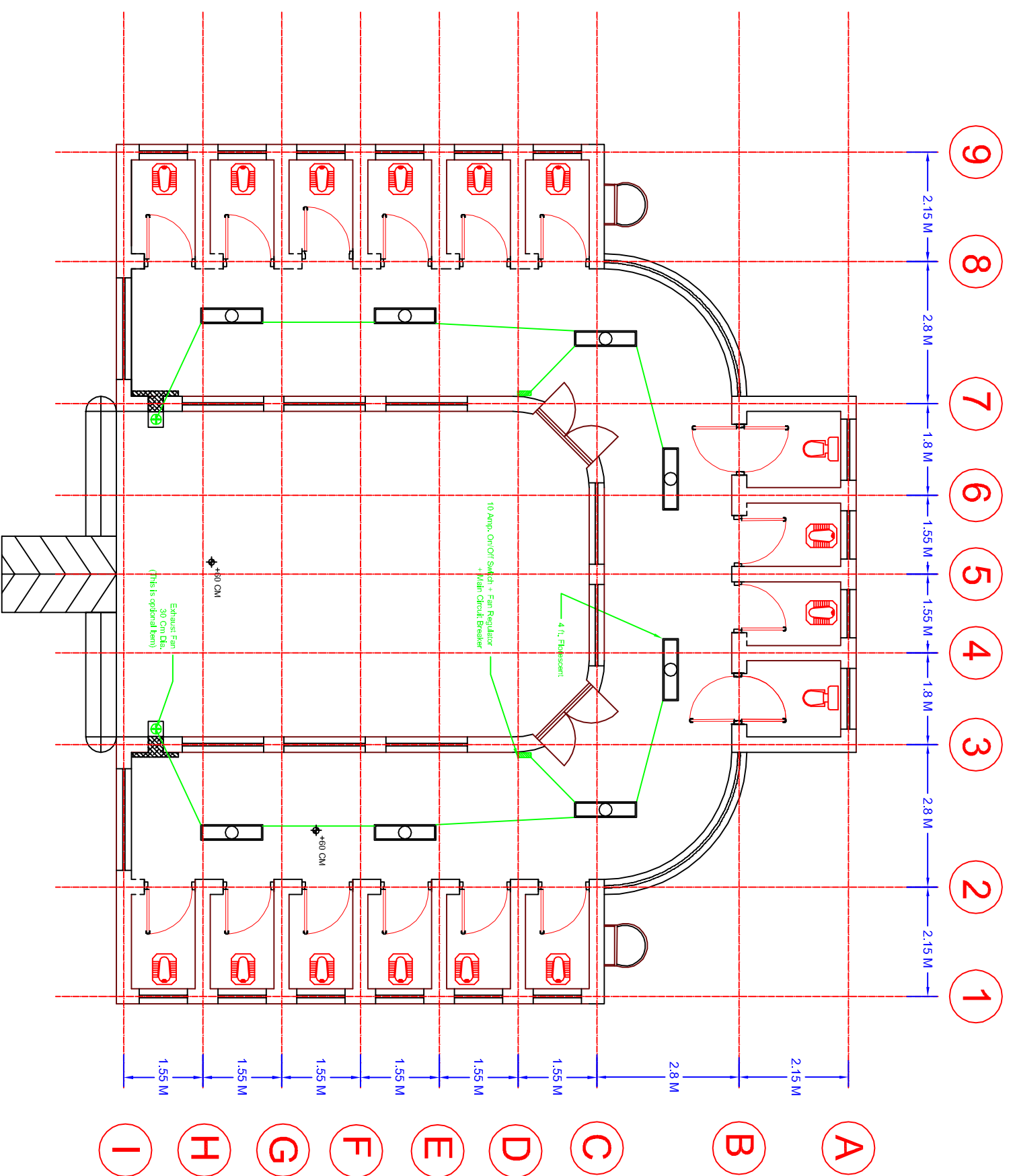
unicef
 unite for children

Australian Government
 AusAID

Company
 National
 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 IRAQ.
 WASH Design for Urban Single Schools - Type B

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



General Notes



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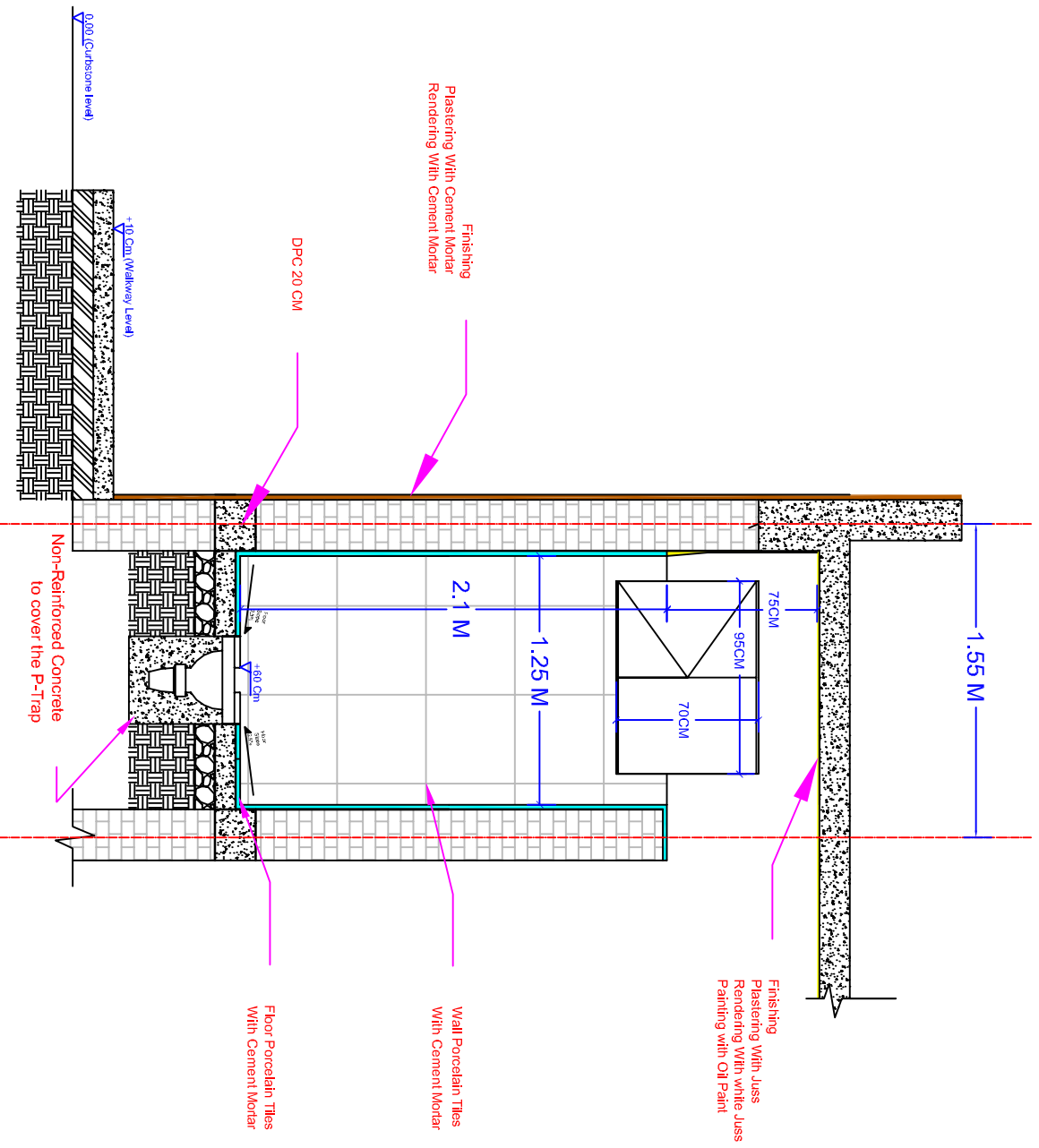


Project Name and Address
REVIEW AND DEVELOPMENT OF CHILD FRIENDLY WATER, SANITATION AND HYGIENE FACILITIES DESIGN PACKAGES FOR PRIMARY SCHOOLS IN IRAQ.
WASH Design for Urban Single Schools -Type B

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

I

H



General Notes



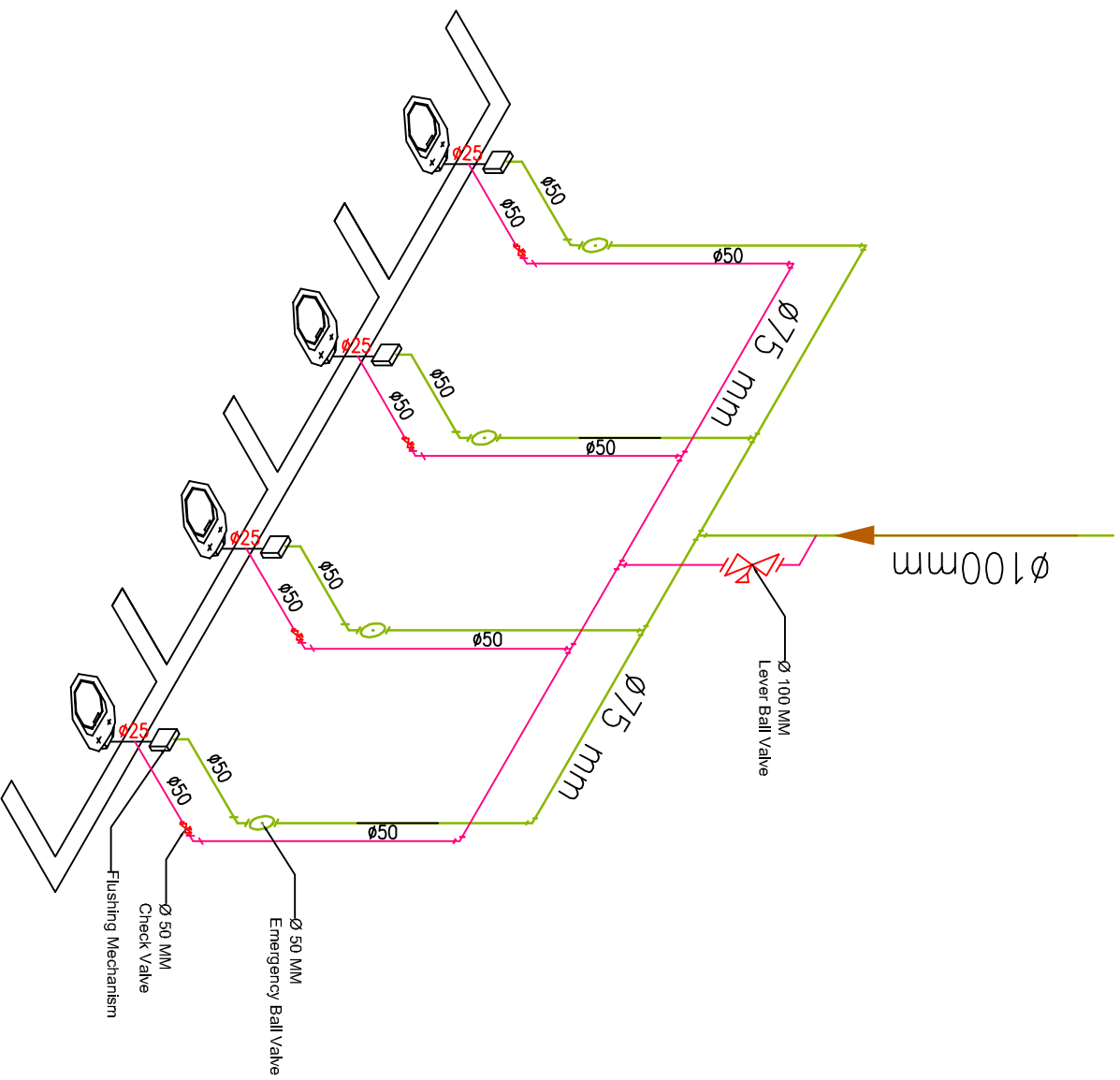
Project Name and Address
 Australian Government
 AMK/1D

Company
National
 For Architectural, Engineering & Quantity Surveying
 No. 10, Al-Sayid Street, Tikrit, Iraq. Tel: 00964 91 222 33 44

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

Project Name and Address
 Sheet
 Sheet No. 7
 Typical Section
 Not to Scale

Main Supply From Upper Tanks



General Notes



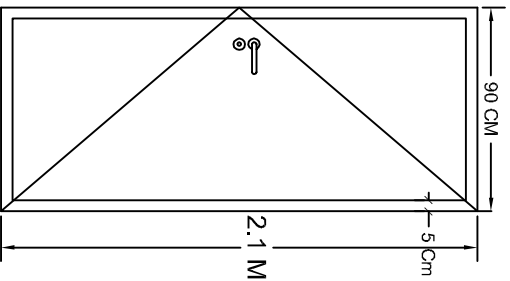
REVIEW AND DEVELOPMENT OF CHILD FRIENDLY WATER, SANITATION AND HYGIENE FACILITIES DESIGN PACKAGES FOR PRIMARY SCHOOLS IN RAO. WASH Design for Urban Single Schools -Type B

Project	Sheet
1:100/A4 Sheet	13

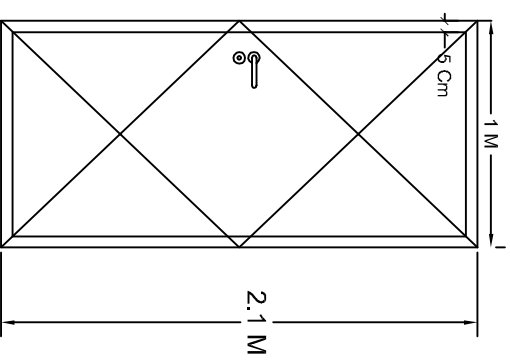
Sheet No. 13

1:100/A4 Sheet

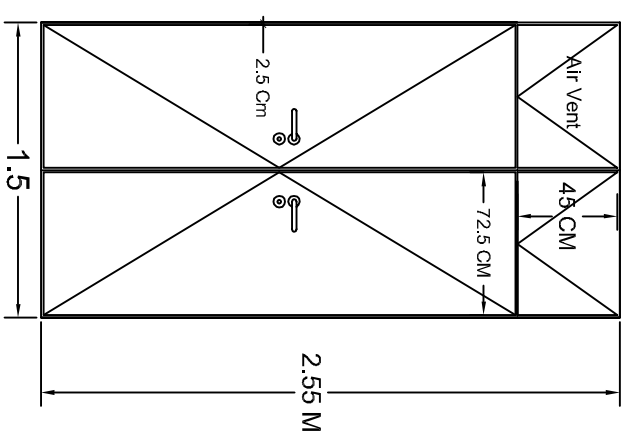
Flushing Detail 2



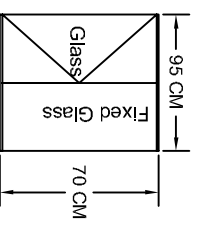
Bathroom Door - Aluminum - Qty. 14



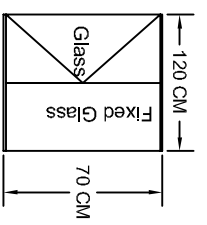
Bathroom Door - Aluminum - Qty. 2



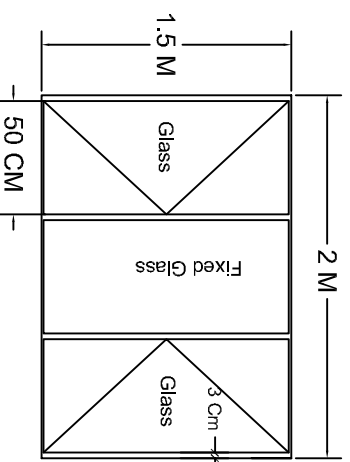
Entrance Door - Steel - Qty. 2



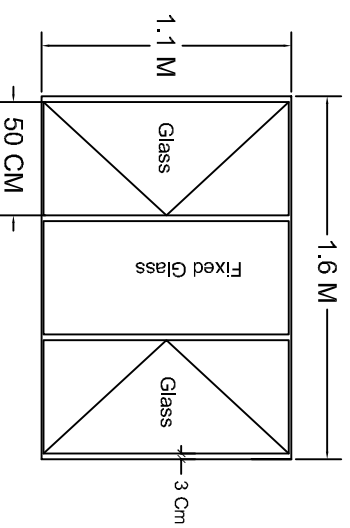
Bathroom Window - Steel - Qty. 14



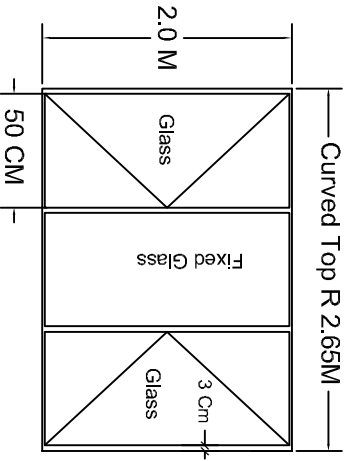
Bathroom Window - Steel - Qty. 2



Front Windows - Steel - Qty. 8



Front Windows - Steel - Qty. 8



Curved Window - Steel - Qty. 2

General Notes

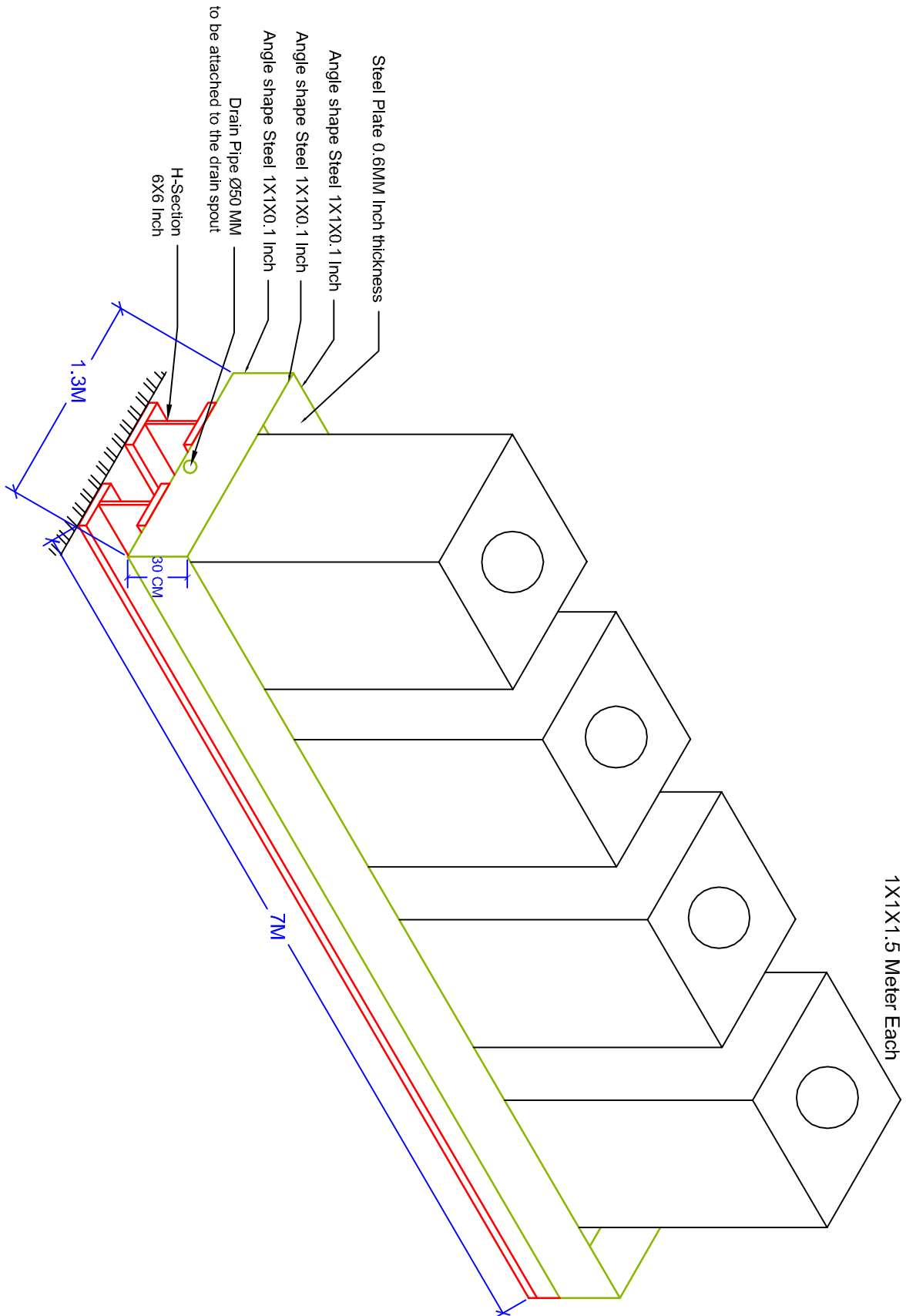


Project Name and Address
 REVIEW AND DEVELOPMENT OF
 CHILD FRIENDLY WATER, SANITATION
 AND HYGIENE FACILITIES DESIGN
 PACKAGES FOR PRIMARY SCHOOLS
 IN KENYA.
 WASH - Design for Urban Single
 Schools - Type B

Company
National
 For Engineering, Construction & Survey Services Ltd

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

Water tanks
1X1X1.5 Meter Each



General Notes



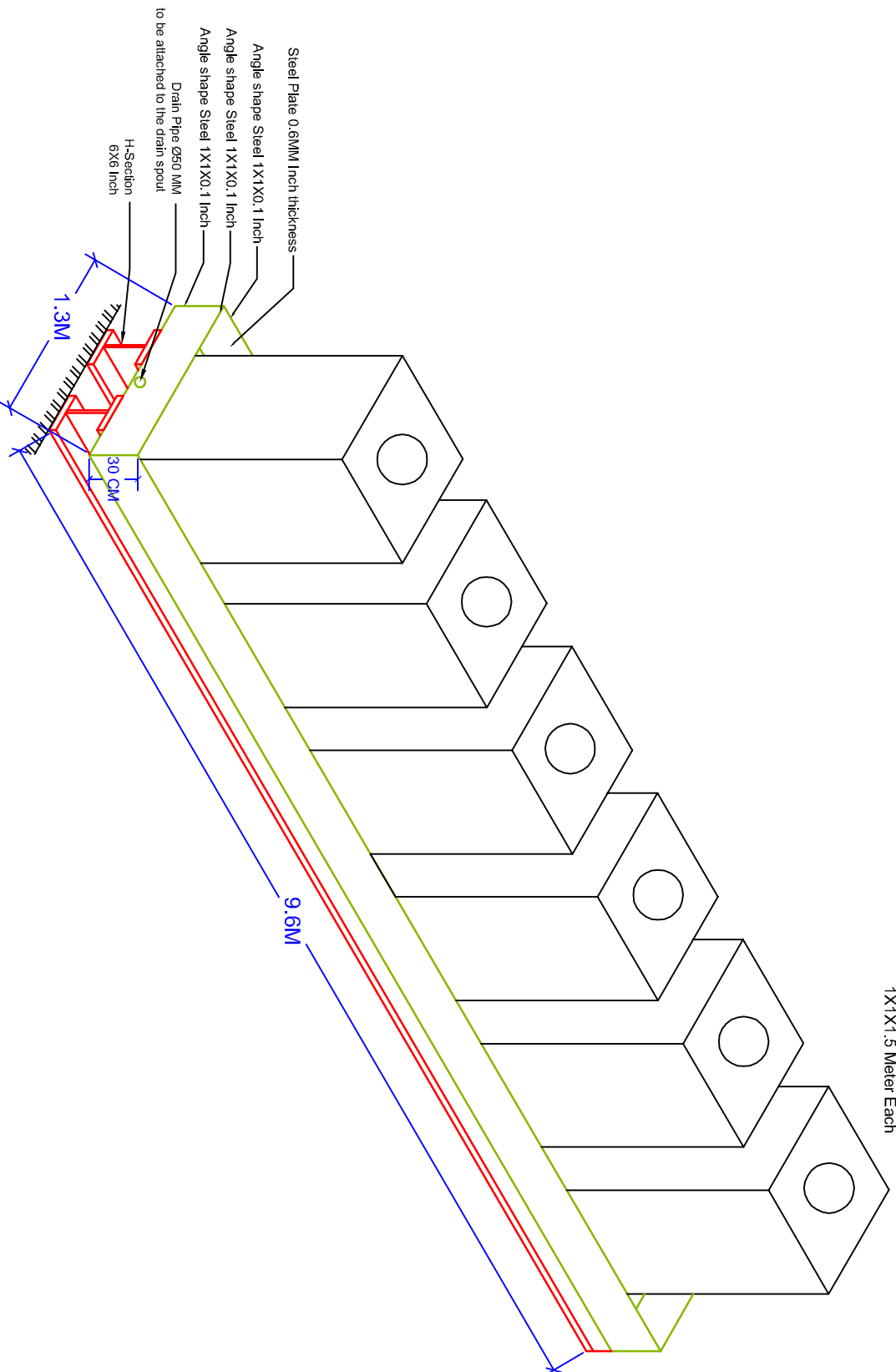
unicef
unite for children
Australian Government
ANZAD

Company National
For Architecture, Construction & Quantity Survey Ltd

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

Project	Sheet
Date	15
Sheet No.	
Not to Scale	Numbering Detail 4

Water tanks
1X1X1.5 Meter Each



General Notes



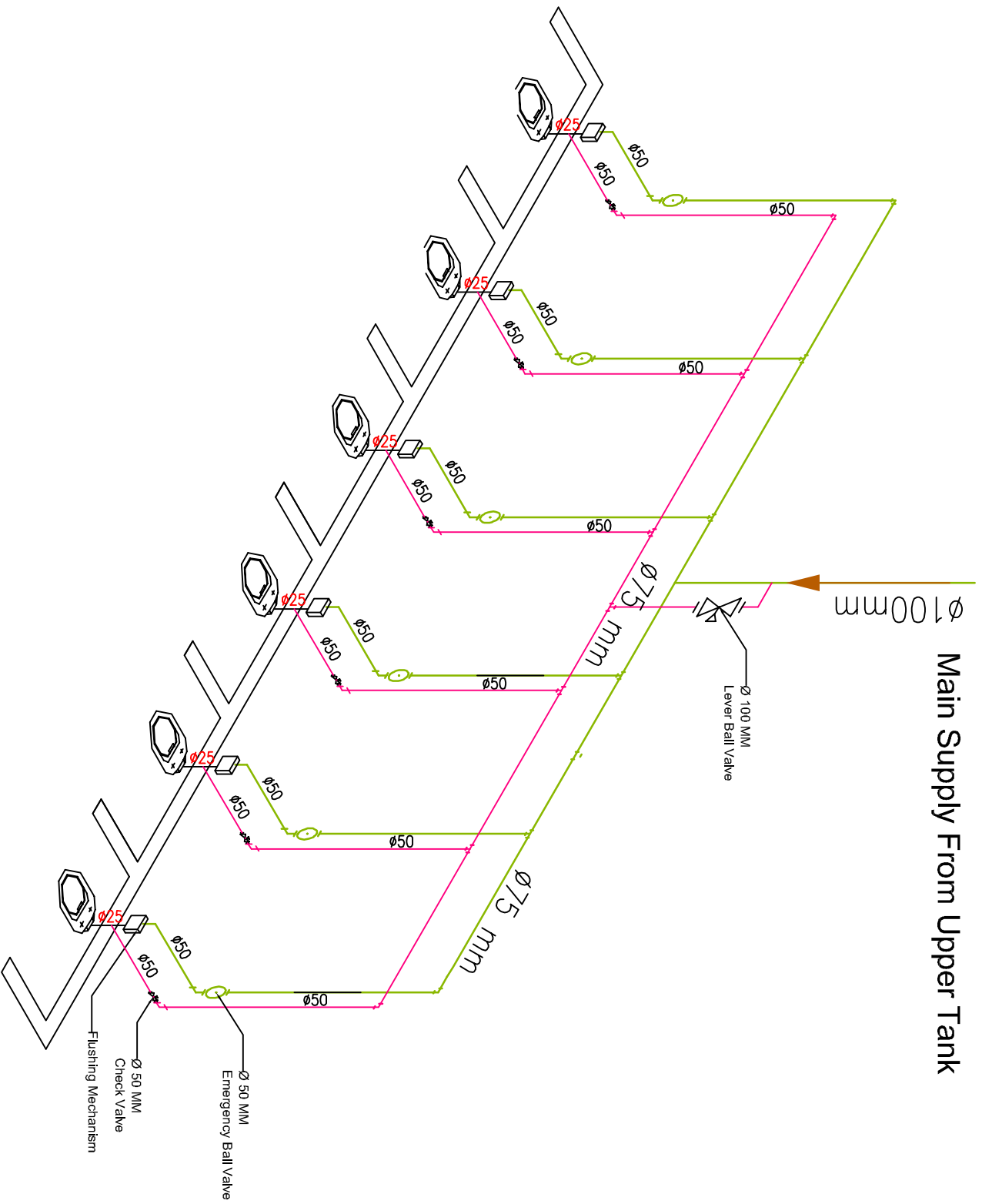
unicef
unite for children
Australian Government
ANZAITD

Company National
for Engineering, Construction & Supply Contract Ltd

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

Project	Sheet	No.
	16	
Scale	Not to Scale	
Revision	Turning Detail 5	

Main Supply From Upper Tank



General Notes



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Company National
 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 Single
 Schools - Type B

Scale	Sheet No.
1:100 /A4 Sheet	17
	Jumping Detail s