

Rehabilitation of Police Station in  
Falluja

Drawing title

Site Plan

Scale

Date

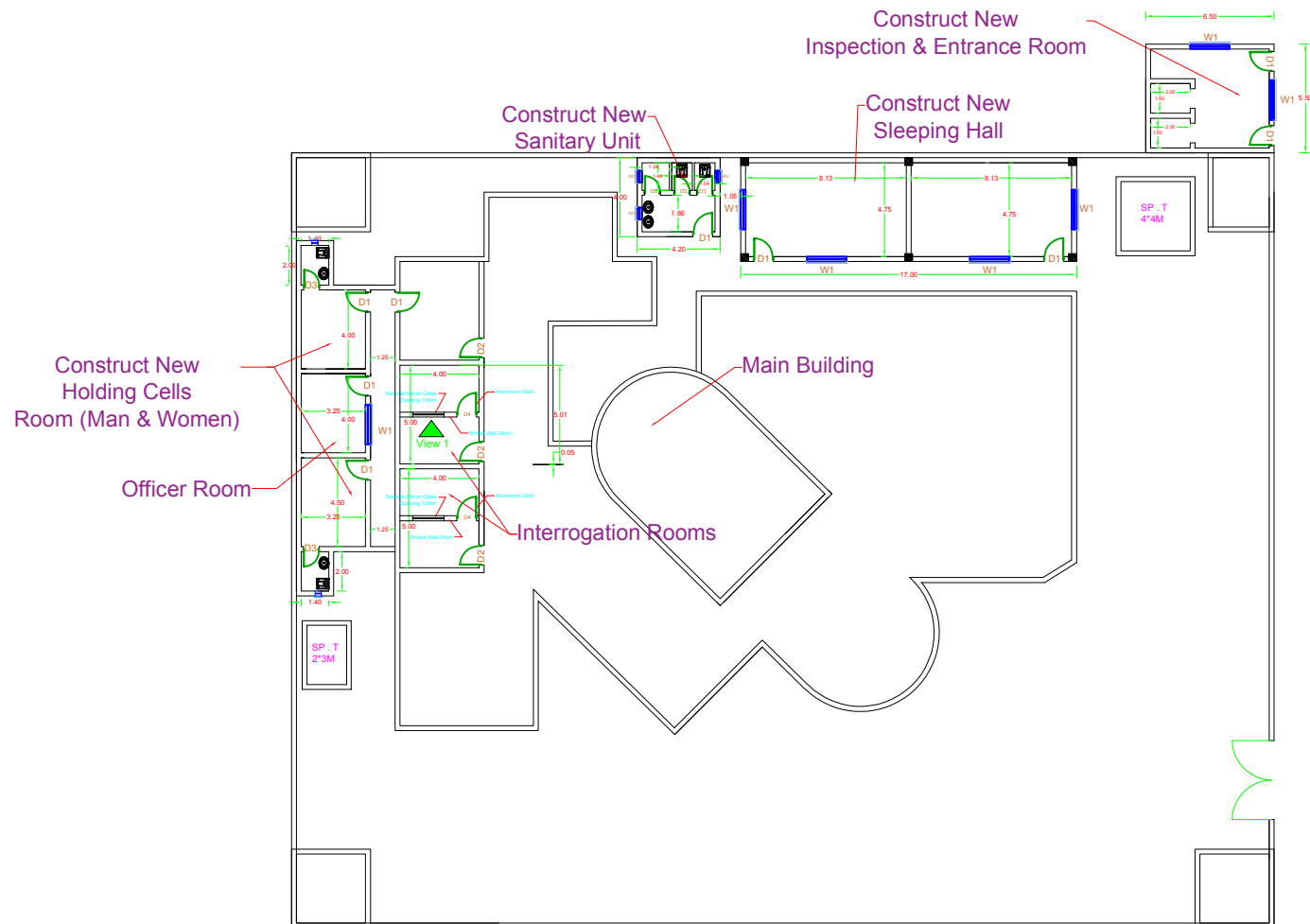
Sheet title

Unit

No Scale

Aug 2021

01



Rehabilitation of Police Station in  
Falluja

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Site Plan

Scale

Date

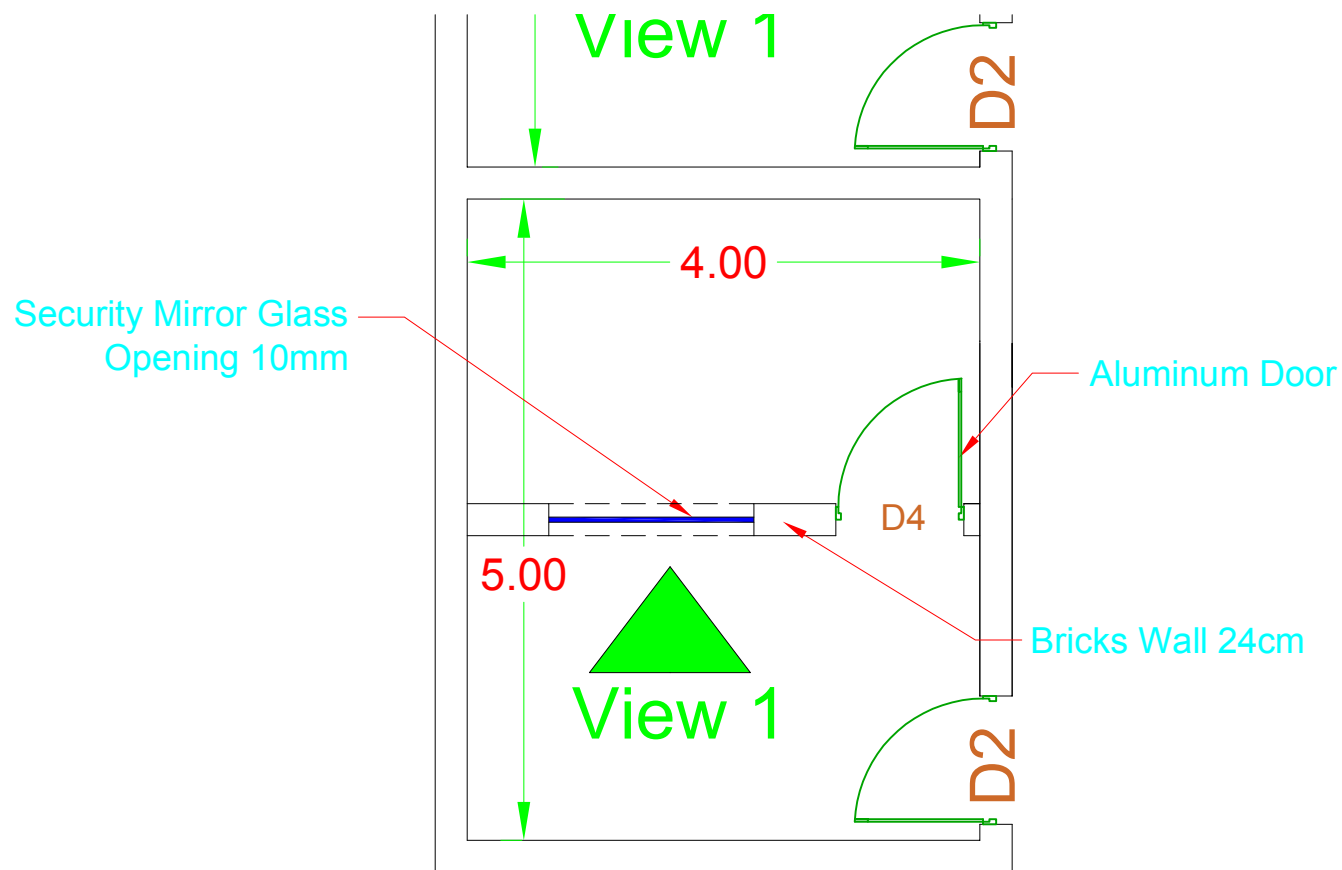
Sheet title

Unit

No Scale

Aug 2021

02



## Interrogation Rooms



Rehabilitation of Police Station in  
Falluja

Drawing title

Site Plan

Scale

Date

Sheet title

Unit

No Scale

Aug 2021

03

Security Mirror Glass  
Opening 10mm

Bricks Wall  
24cm Thickness

1.60

3.10

1.15

0.95

Aluminum Door

View 1



Rehabilitation of Police Station in  
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View 1

Scale

Date

Sheet title

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No Scale

Aug 2021

04

## NOTES:

### A- GENERAL :

- 1- ALL STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND SANITARY DRAWINGS.
- 2- DO NOT SCALE DRAWINGS, ALL DIMENSIONS SHALL BE READ FROM DRAWINGS OR COMPUTED.
- 3- UNLESS OTHERWISE STATED, ALL DIMENSIONS ARE IN CENTIMETERS.

### B- CODES :

- 1- ACI 318-14 FOR DESIGN OF REINFORCED CONCRETE ELEMENTS
- 2- ASCE 7-10 FOR GRAVITY LOADS.
- 3- ASCE 7-10 FOR WIND LOADS.
- 4- ASCE 7-10 FOR SEISMIC LOADS..

### C- MATERIALS :

#### C-1 CONCRETE :

- 1- THE FOLLOWING CLASSES OF CONCRETE WITH A SPECIFIED MINIMUM CUBE COMPRESSIVE STRENGTH OF 28 DAYS AGE ARE TO BE USED FOR ALL CONCRETE WORKS:

MINIMUM 28 DAYS AGE CUBE COMPRESSIVE STRENGTH MPa		
CLASS	STRENGTH	USES
A	30 MPa	ALL COLUMNS
B	25 MPa	ALL CONCRETE WORKS OTHER THAN COLUMNS
C	20 MPa	BLINDING CONCRETE

COMPRESSIVE STRENGTH OF CONCRETE SHOULD BE TESTED USING STANDARD CUBES (15\*15\*15)cm ALSO SLUMP TEST SHOULD BE PERFORMED ON SITE BEFORE ANY CONCRETE WORKS.

- 2- SULPHATE RESISTING PORTLAND CEMENT (TYPE V) IS TO BE USED FOR ALL CONCRETE WORKS IN TOUCH WITH SOIL AND LIQUID .
- 3- ALL BRICK AND CONCRETE WORKS BELOW SOIL LEVEL SHOULD BE COATED WITH THREE LAYERS OF FLINTCOAT.

#### C-2 REINFORCEMENT :

- 1- DEFORMED REINFORCING STEEL BARS OF MINIMUM YIELD STRENGTH OF 420 MPa ARE TO BE USED COMFORMING TO ASTM (A615,A616,A617)GRADE 60
- 2- SPLICES SHALL BE MADE AS FOLLOWS:-
  - A- BOTTOM REINFORCEMENT OF BEAMS OR SLABS SHALL BE SPLICED AT SUPPORTS, SPLICED LENGTH SHALL NOT BE LESS THAN (50\*BAR DIAMETER)
  - B- TOP REINFORCEMENT OF BEAMS OR SLABS SHALL BE SPLICED AT MID SPAN. SPLICED LENGTH SHALL NOT BE LESS THAN (50\*BAR DIAMETER)
3. THE FOLLOWING CLEAR CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING BARS:-

- SLABS AND WALLS	20mm
- LINTELS & COLUMNS	40mm
- TOP , BOTTOM & SIDE COVER OF BEAMS	40mm
- FOOTINGS	75mm

- D- SOIL BEARING CAPACITY OF 100 kN/m<sup>2</sup> IS USED IN DESIGN OF FOUNDATIONS.



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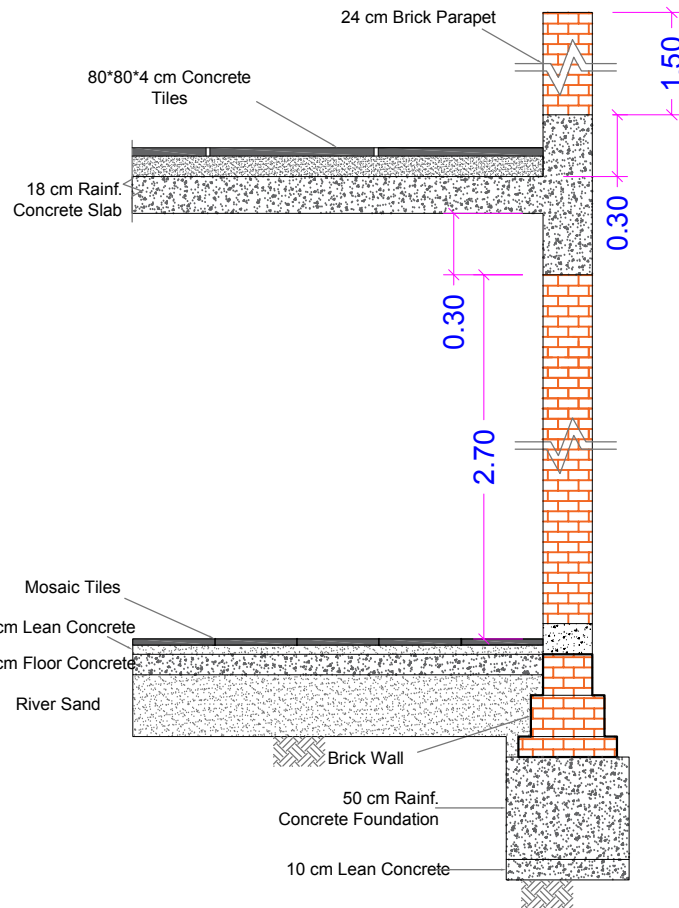
Sheet title

Unit

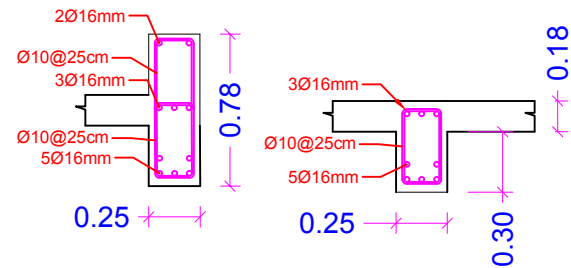
No Scale

Aug 2021

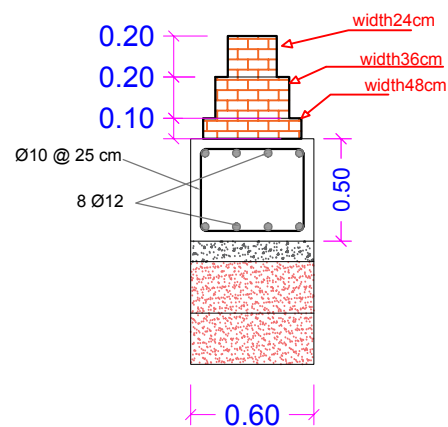
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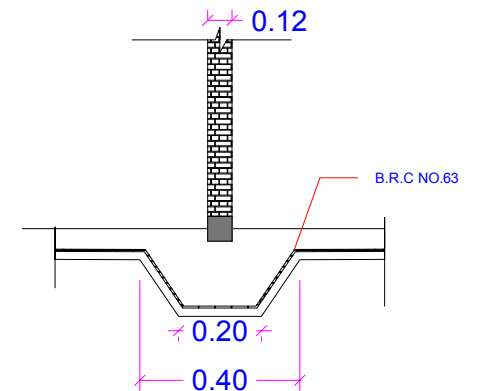
Construction details



( B1 )  
Drop Beam Details



Foundation Details



Partition Wall



Rehabilitation of Police Station in  
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(Foundation & Drop Beam Details)  
For All New Construction

Scale

Date

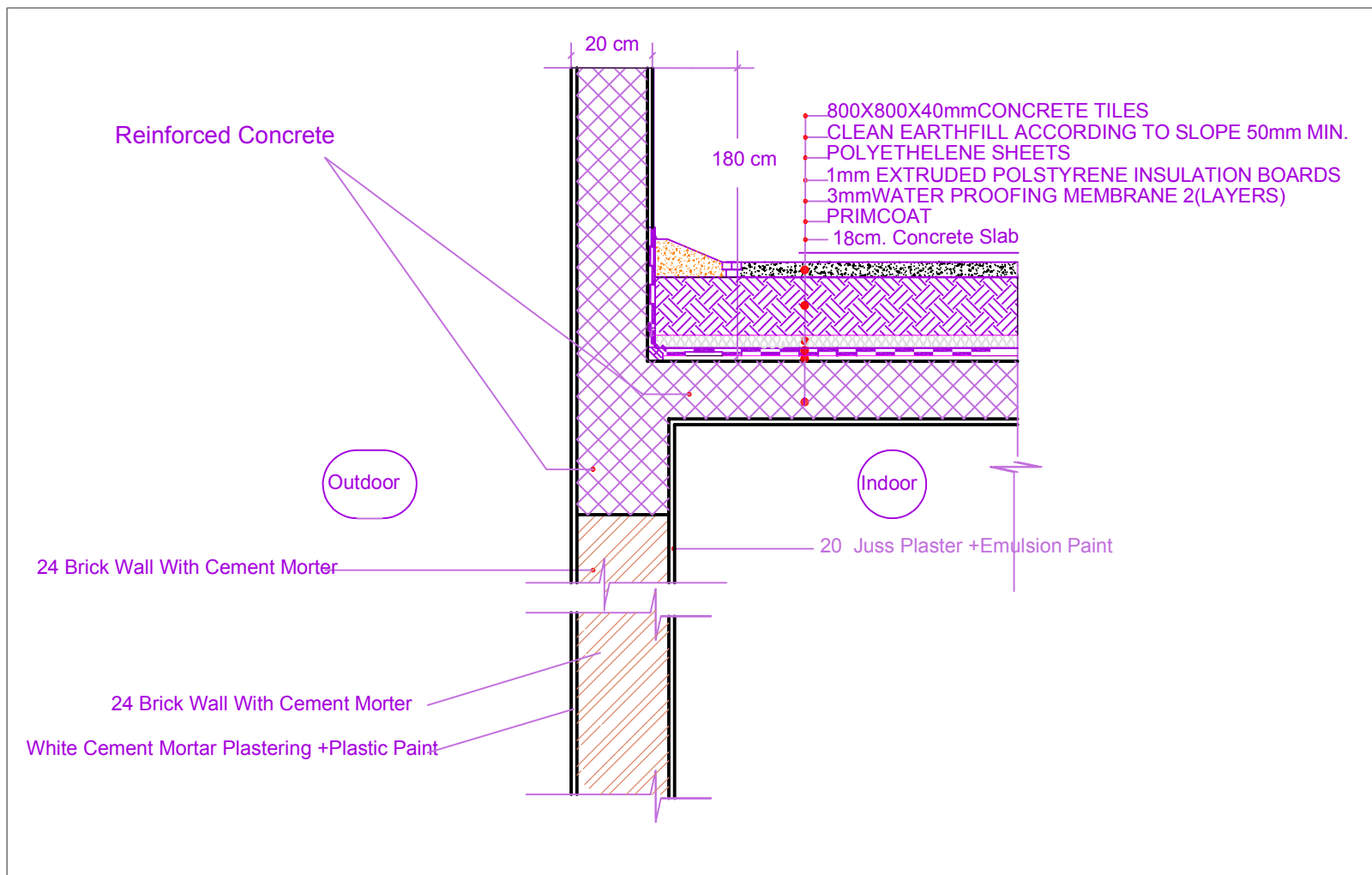
Sheet title

Unit

No Scale

Aug 2021

06



Rehabilitation of Police Station in  
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Drawing title

For All New Construction  
(Roofing Details)

Scale

Date

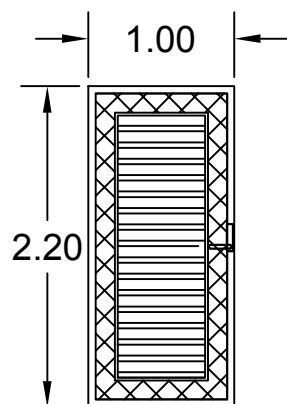
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Unit

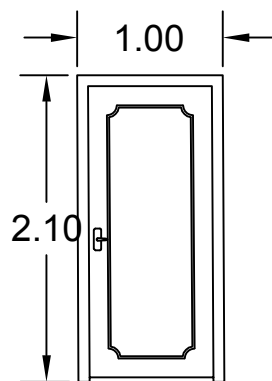
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Aug 2021

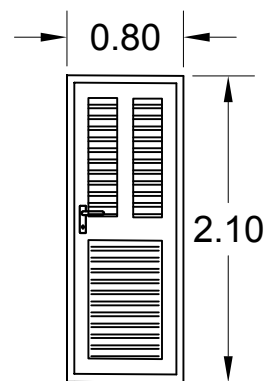
07



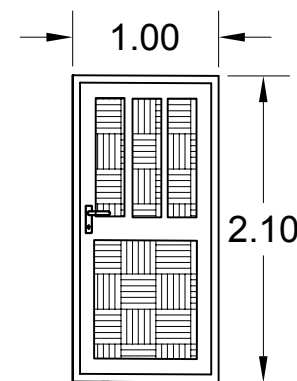
Steel Door (D1)



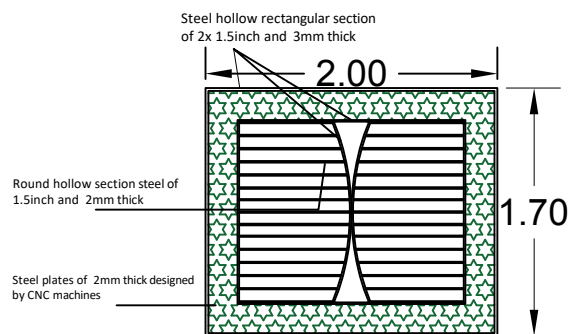
Wood Door (D2)



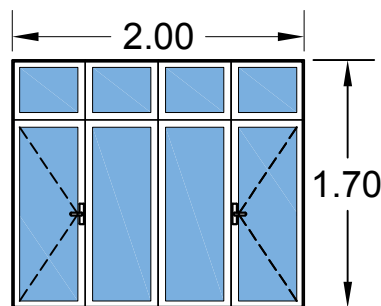
PVC Door (D3)



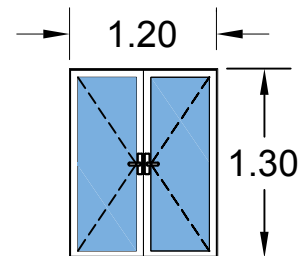
Aluminum Door (D4)



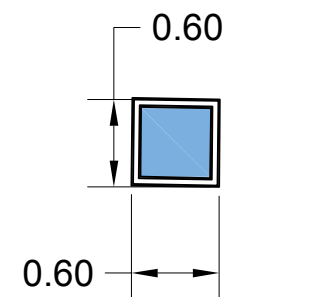
(Steel Burglar frame)



Aluminum Windows (W1)



Aluminum Windows (W2)



Aluminum Windows (W3)



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(Doors & Windows Details)  
For All New Construction

Scale

Date

Sheet title

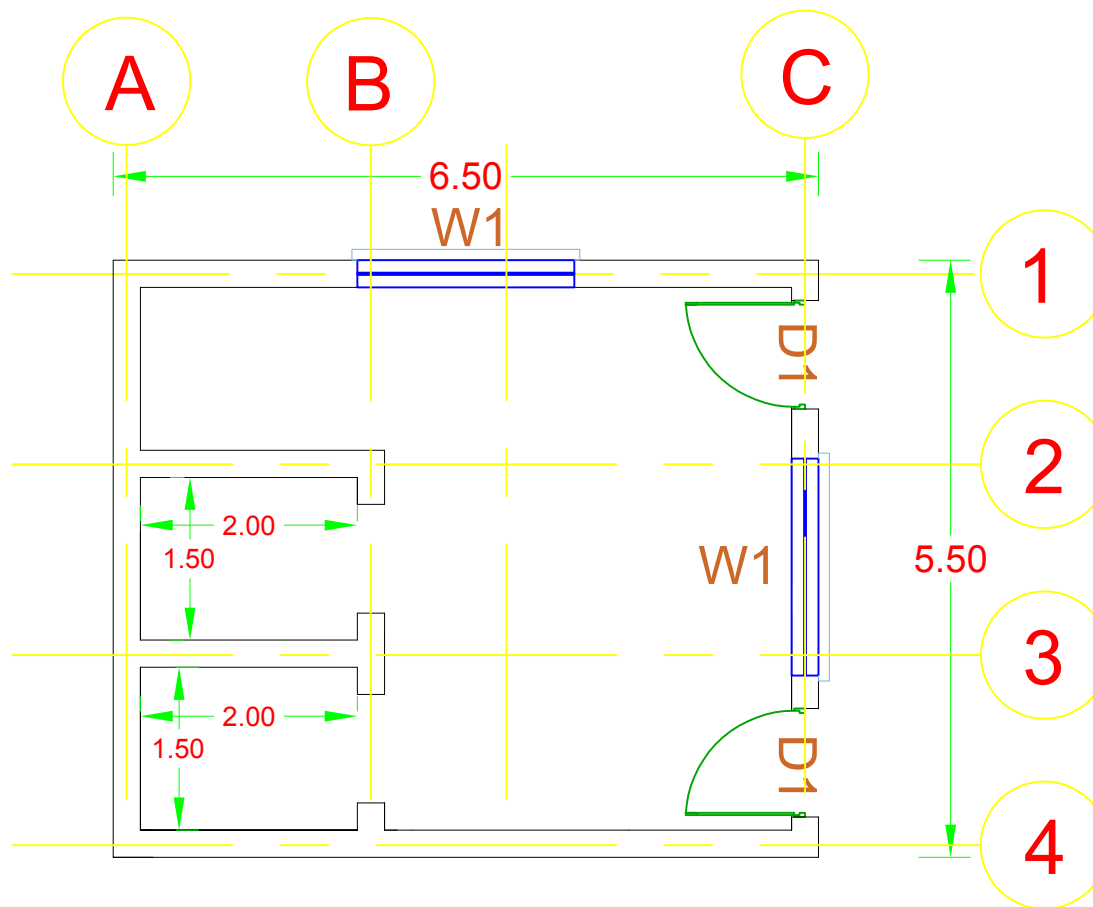
Unit

No Scale

Aug 2021

08





Rehabilitation of Police Station in  
Falluja

Drawing title

Construct New Inspection &  
Entrance Room-Plan

Scale

Date

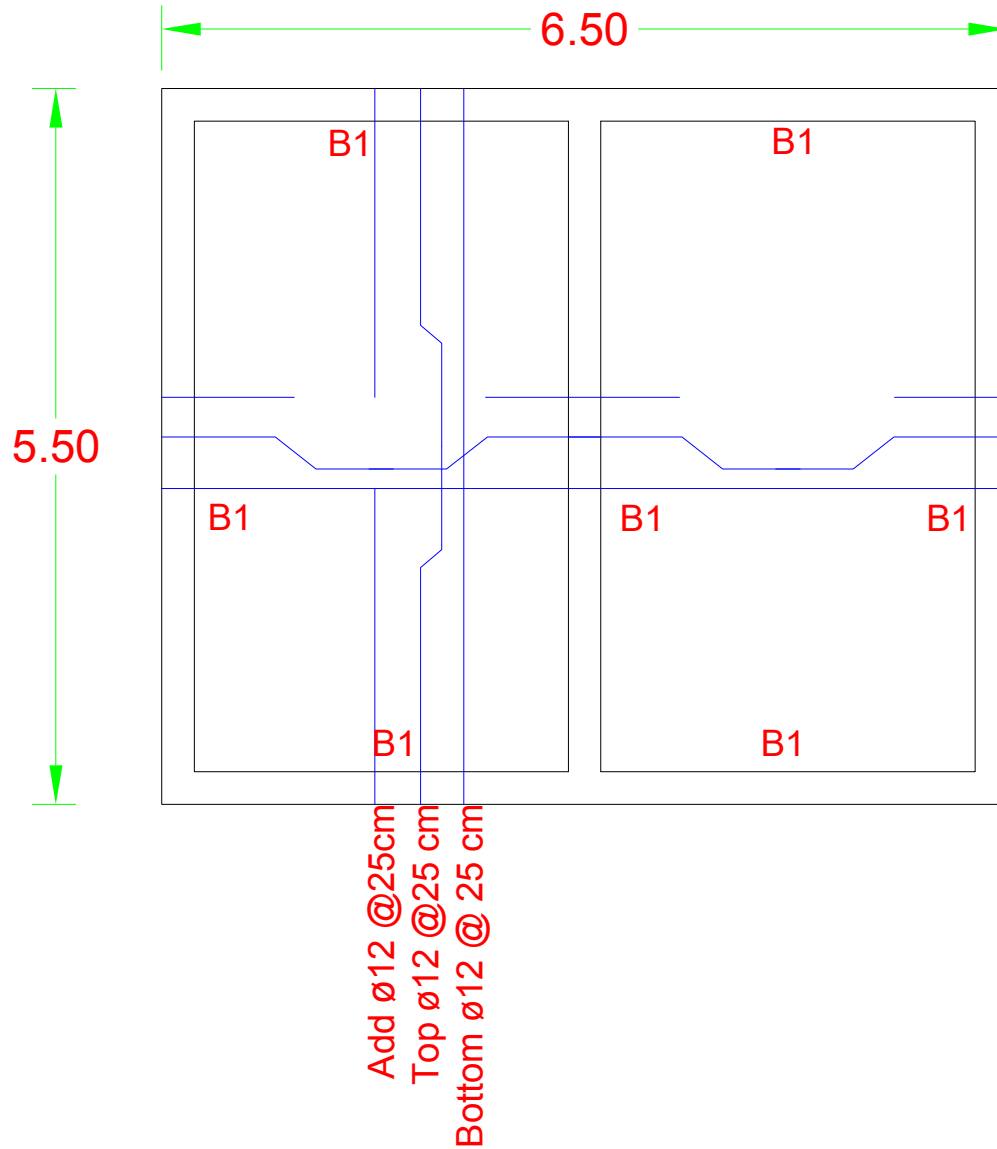
Sheet title

Unit

No Scale

Aug 2021

09



Add ø12 @25cm  
Top ø12 @25 cm  
Bottom ø12 @ 25 cm



Rehabilitation of Police Station in  
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Drawing title

Construct New Inspection &  
Entrance Room-Slab

Scale

Date

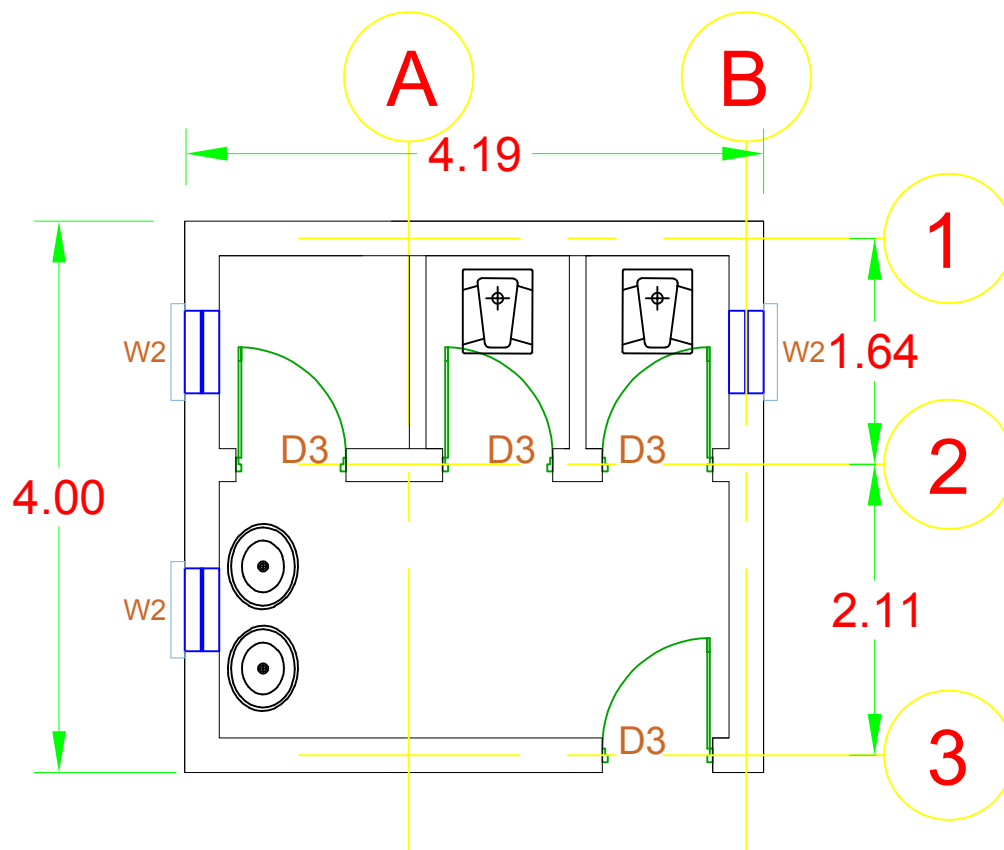
Sheet title

Unit

No Scale

Aug 2021

10



## Construct New Sanitary Unit



Rehabilitation of Police Station in  
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Drawing title

Construct New Sanitary Unit

Scale

Date

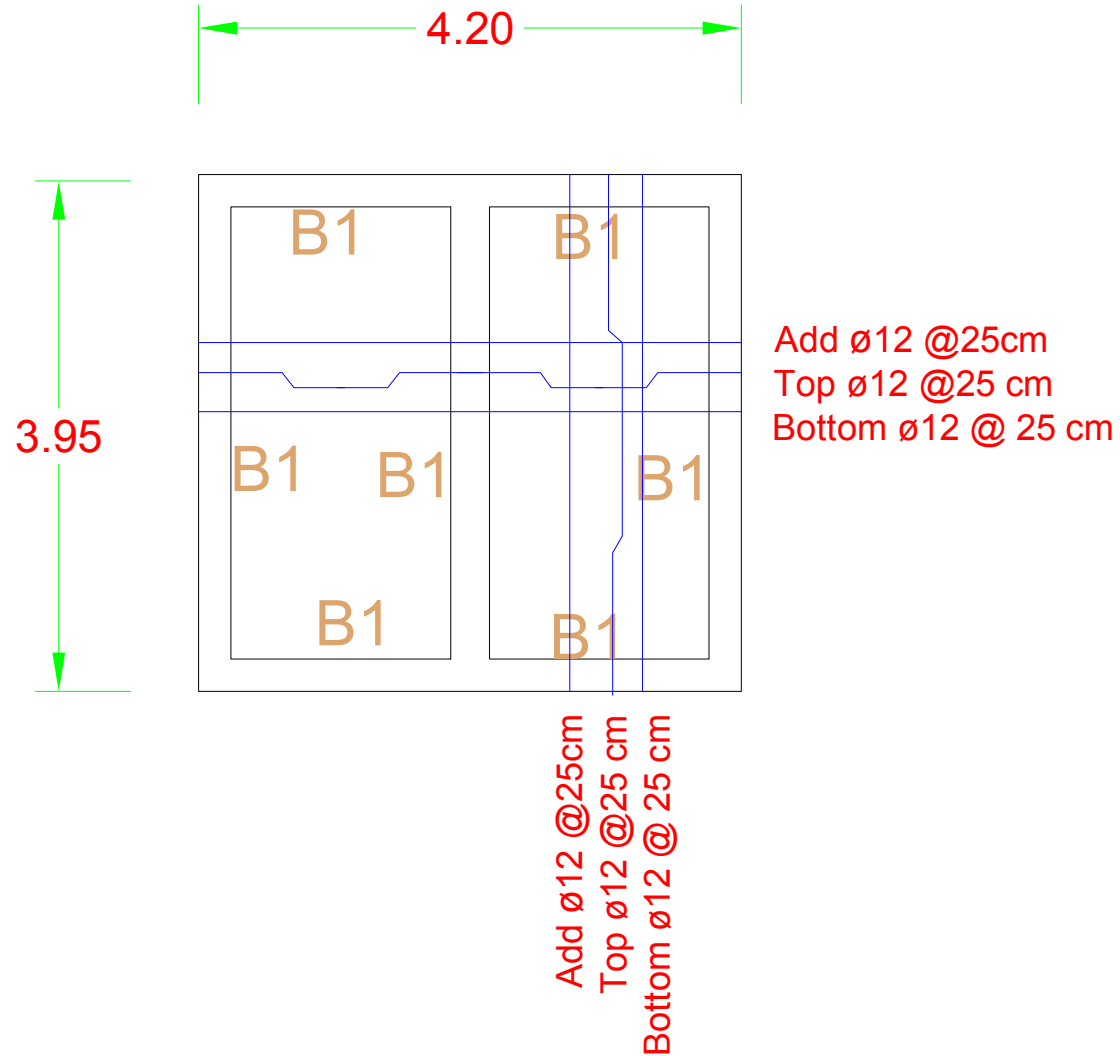
Sheet title

Unit

No Scale

Aug 2021

11



Rehabilitation of Police Station in  
Falluja

Drawing title

Construct New Sanitary Area  
-Slab

Scale

Date

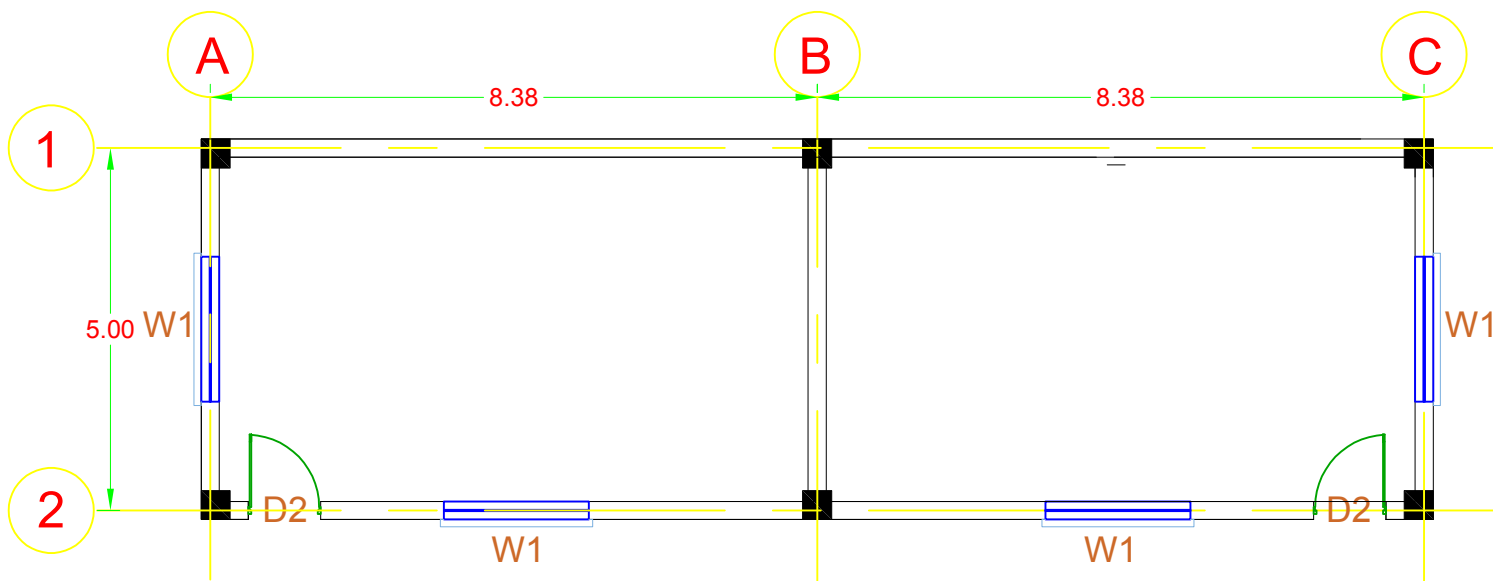
Sheet title

Unit

No Scale

Aug 2021

12



Construct New Sleeping Hall



Rehabilitation of Police Station in  
Falluja

Drawing title

Construct New Sleeping Room

Scale

Date

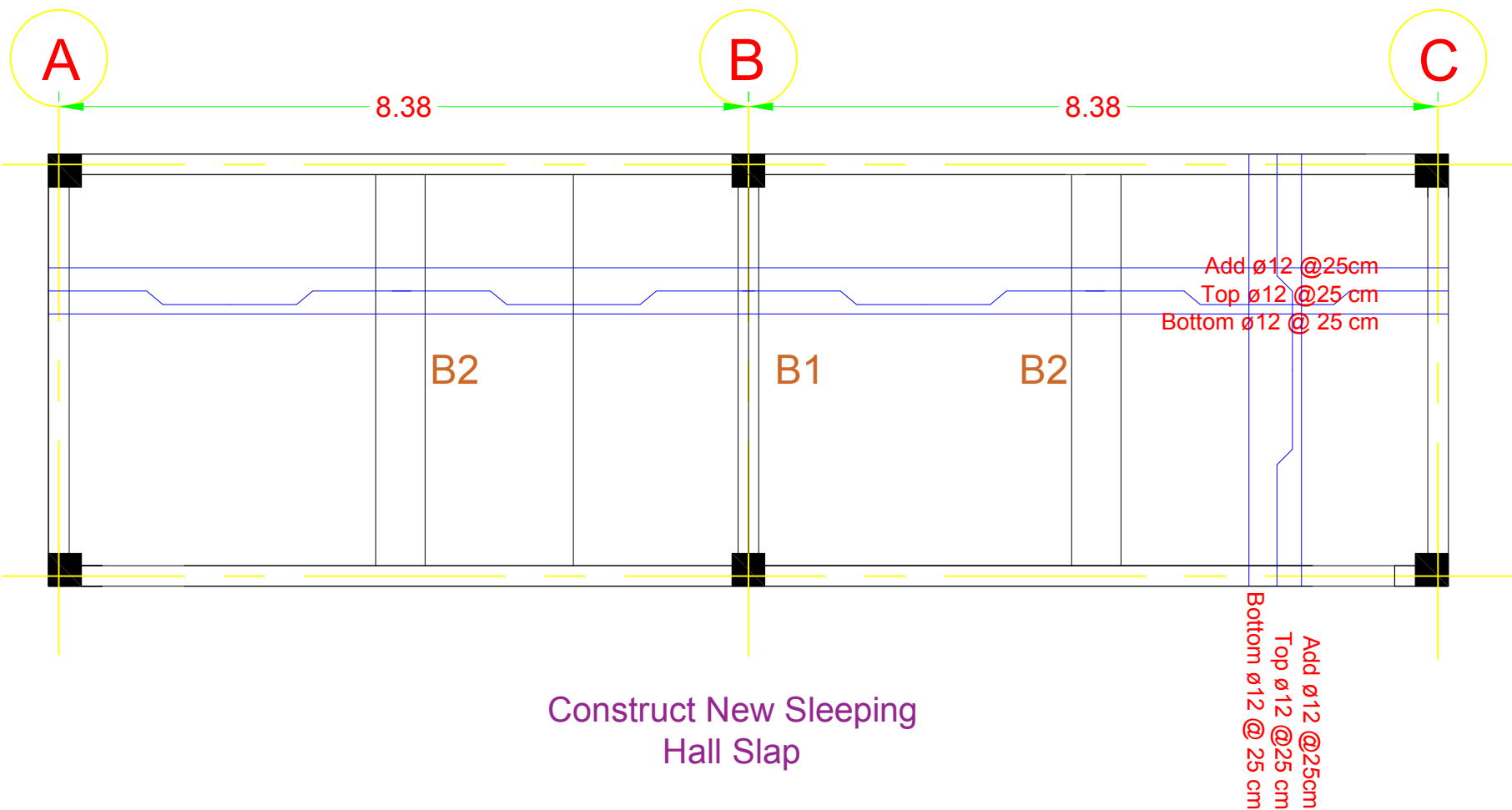
Sheet title

Unit

No Scale

Aug 2021

13



Rehabilitation of Police Station in  
Falluja

Drawing title

Construct New Sleeping  
Room-Slab

Scale

Date

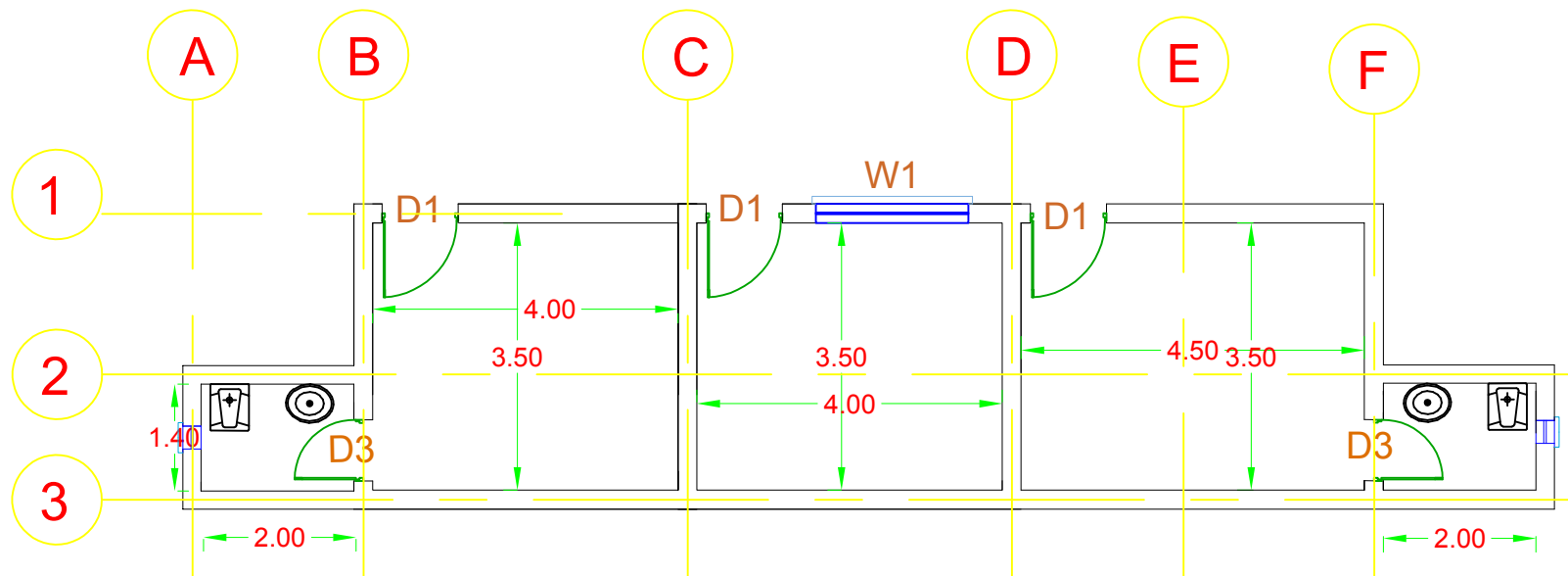
Sheet title

Unit

No Scale

Aug 2021

14



Construct New  
Holding Cells Room (Man & Women)



Rehabilitation of Police Station in  
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Drawing title

Construct new Holding Cells Room  
(Man & Woman)

Scale

Date

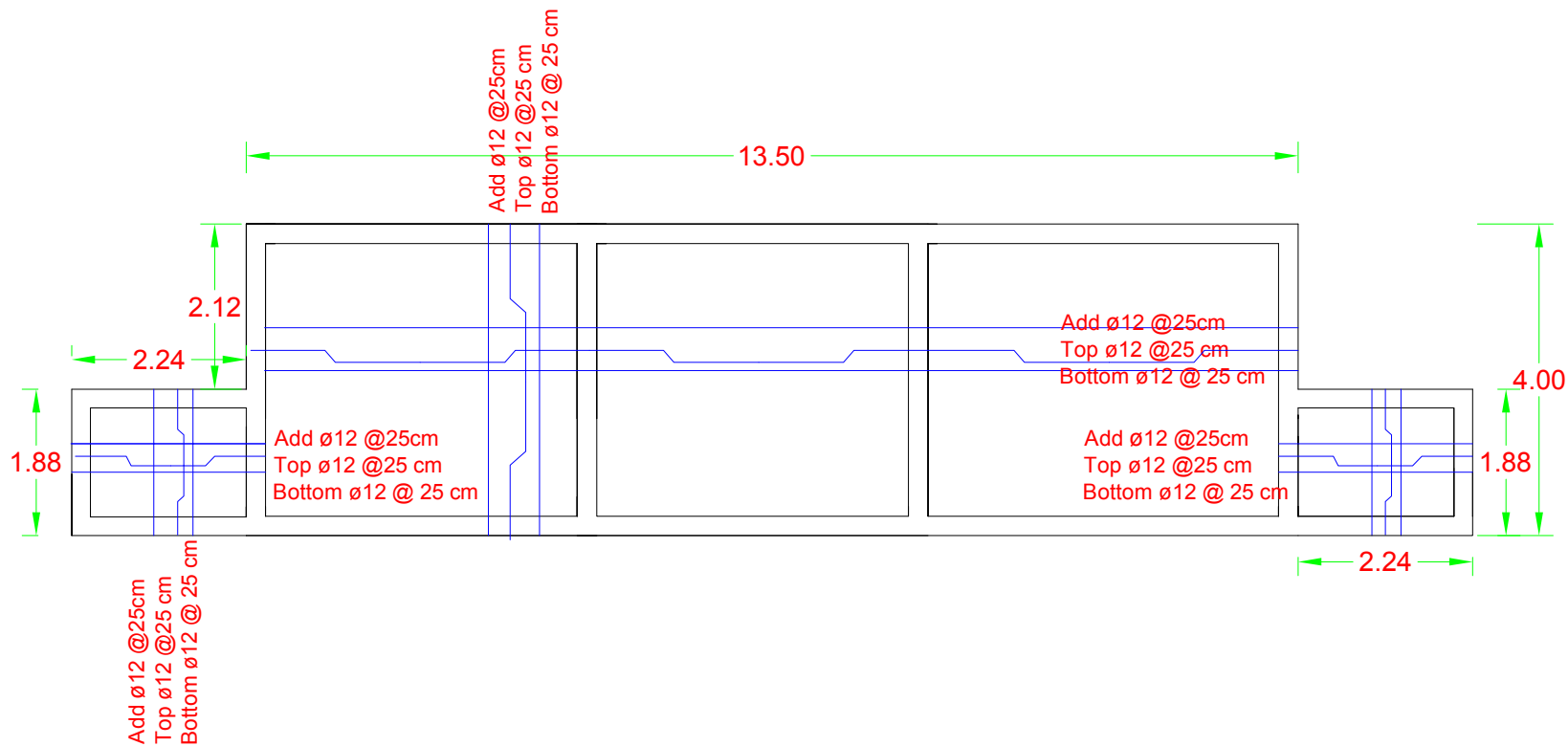
Sheet title

Unit

No Scale

Aug 2021

15



Rehabilitation of Police Station in  
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Drawing title

Construct new Freshness Room  
(Man & Woman)-Slab

Scale

Date

Sheet title

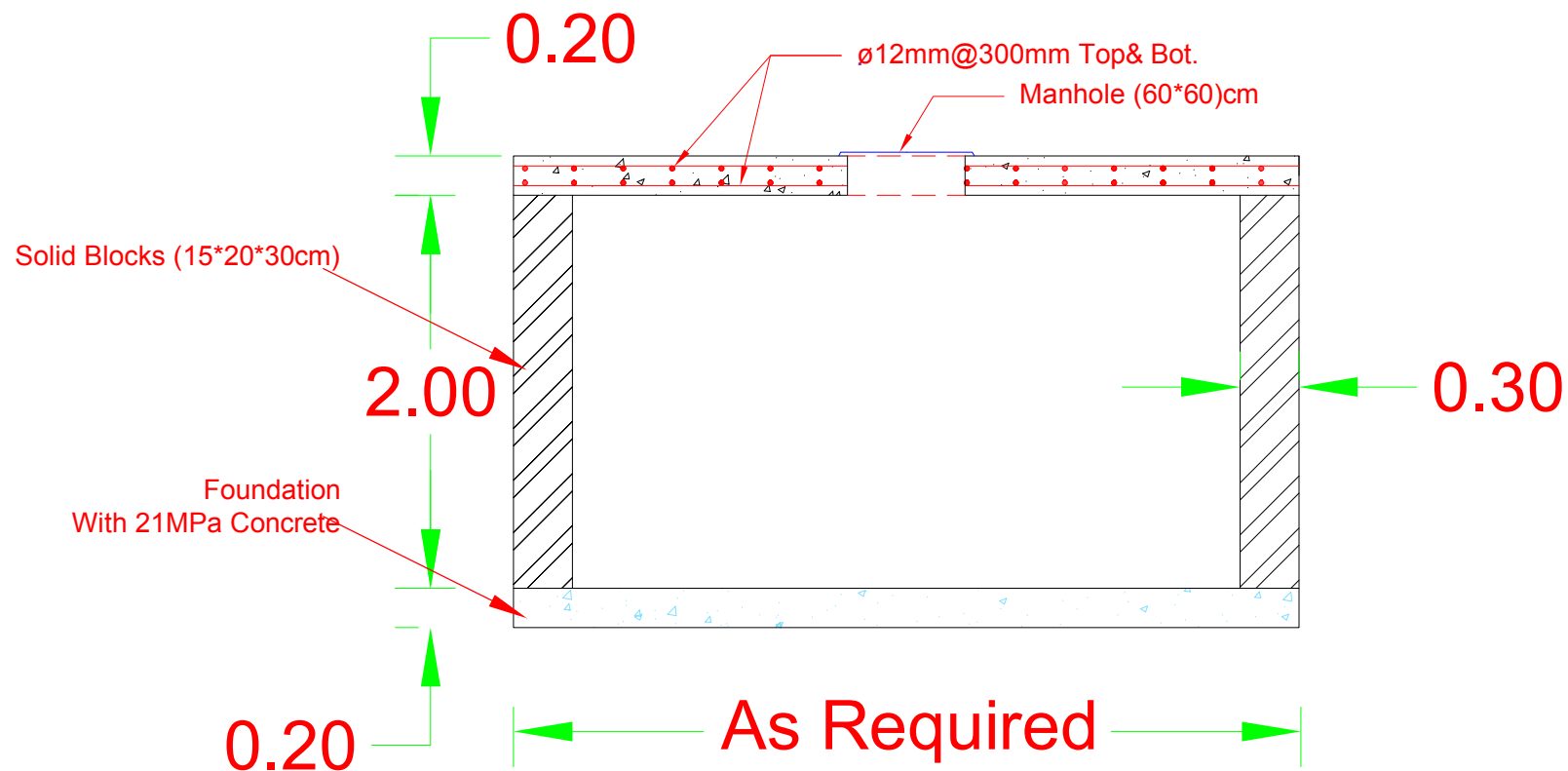
Unit

No Scale

Aug 2021

16





# Septic Tank



Rehabilitation of Police Station in  
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Drawing title

Construct new Septic Tank

Scale

Date

Sheet title

Unit

No Scale

Aug 2021

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