
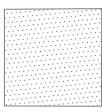



- 1. Dismantling the existing wooden vehicle gates.
- 2. Demolition for the perimeter wall in order to make an opening to be a gate.
- 3. Steel Doors



New Gate as shown in Detail 1




HESCO with 2.21 m height




HESCO With 3.6 m




T-walls as shown in detail 2




Jersey barrier as shown in detail 3




Anti-visibility 6m as shown in detail 4




Anti-visibility 3 m



(razor wire)



Concrete Booth as shown in detail 5



Boom barrier as shown in detail 6

ClientUNDP



LocationAl-Hodeida, Yemen

ProjectSecurity Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings


Drawing TitleSite for both villas			
Project Stage	Stage 1		
Size	A3	Drawing No.	①

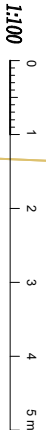
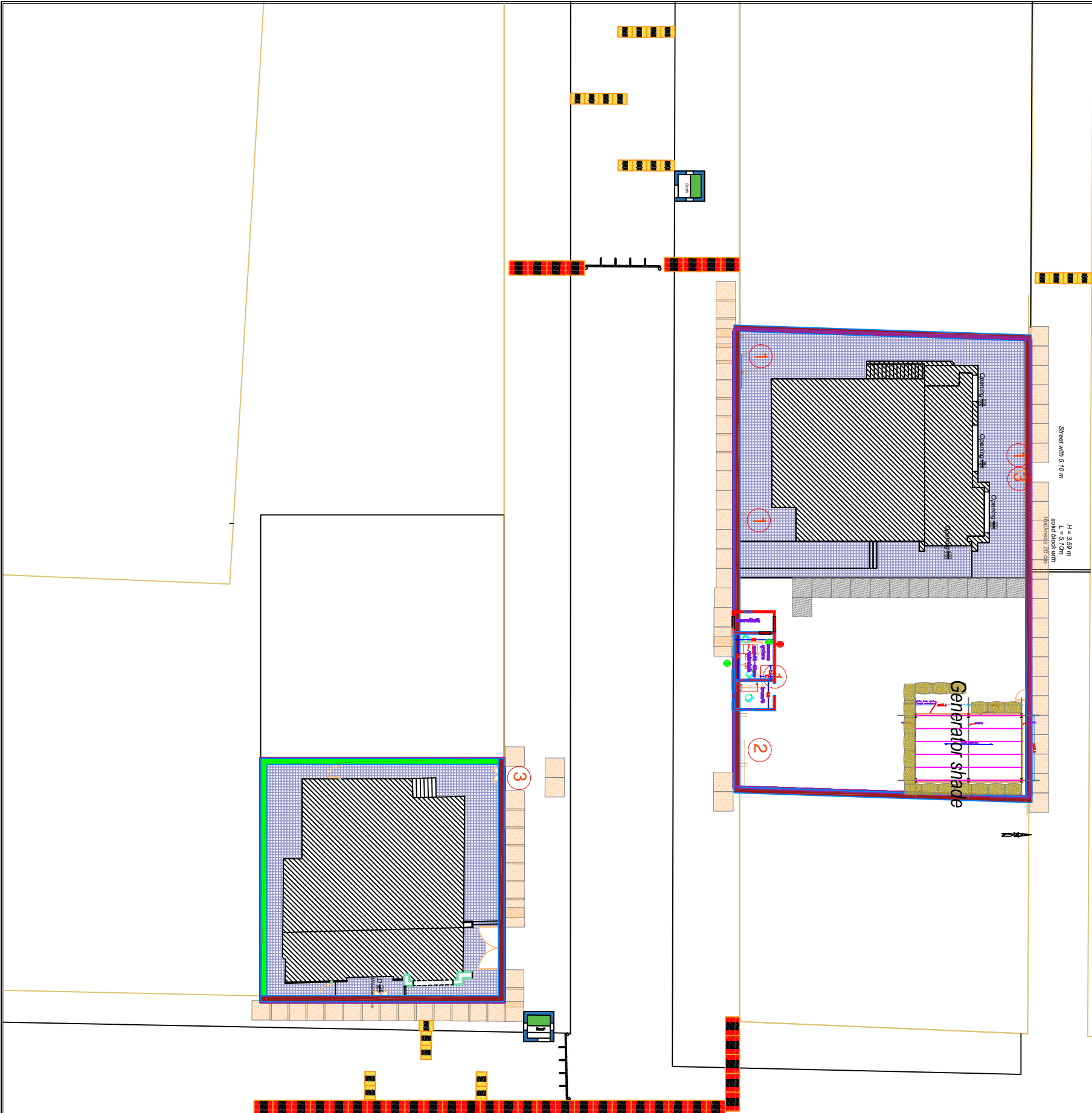
DesignIGTIC engineering

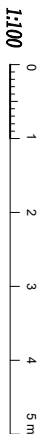
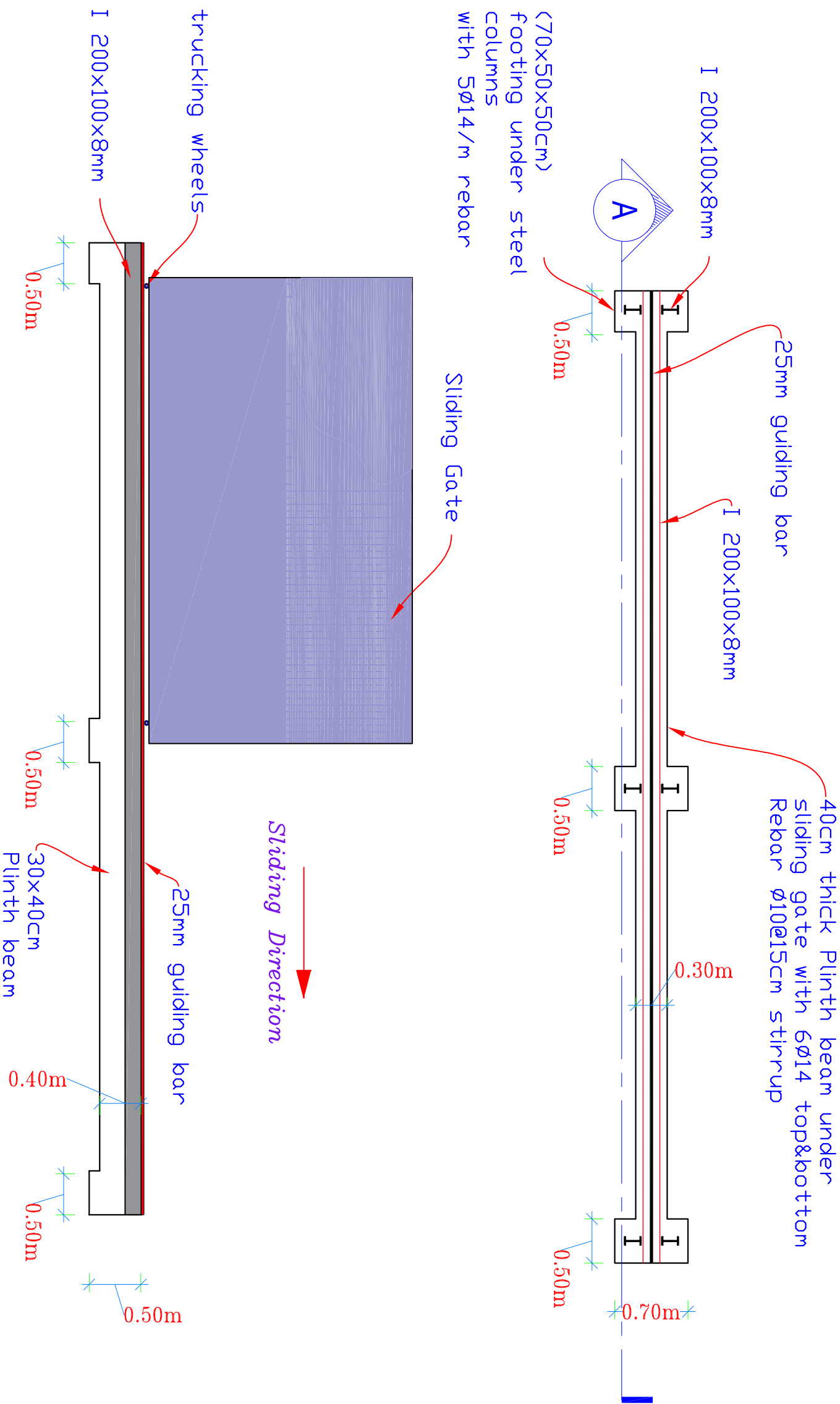
Infirmit of IQRA College, Box : 16063 Haddan, Si, Sana'a, Yemen

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Web: www.igtic.com





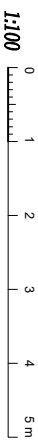
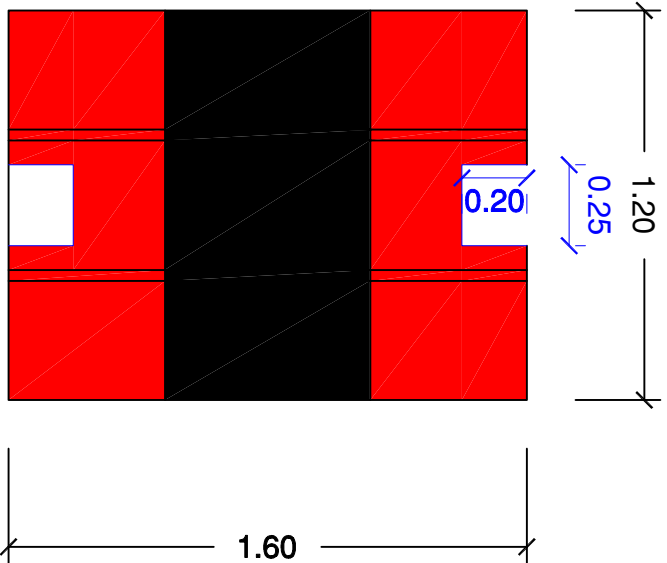
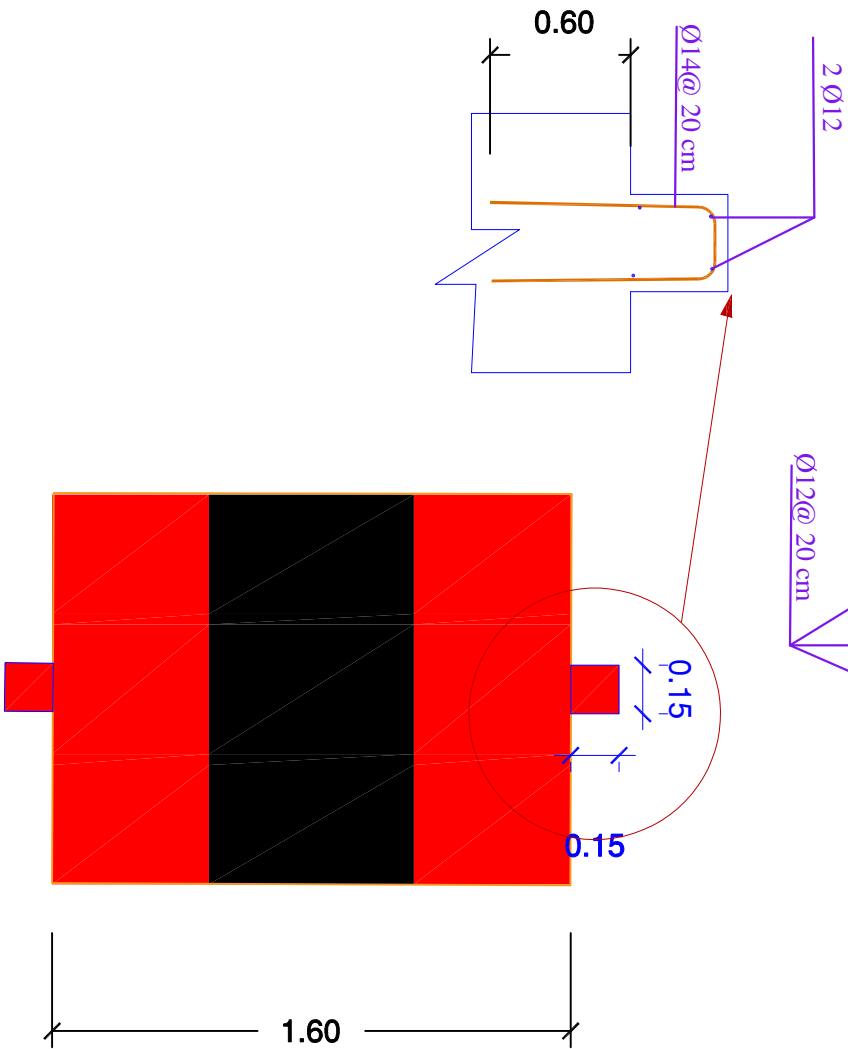
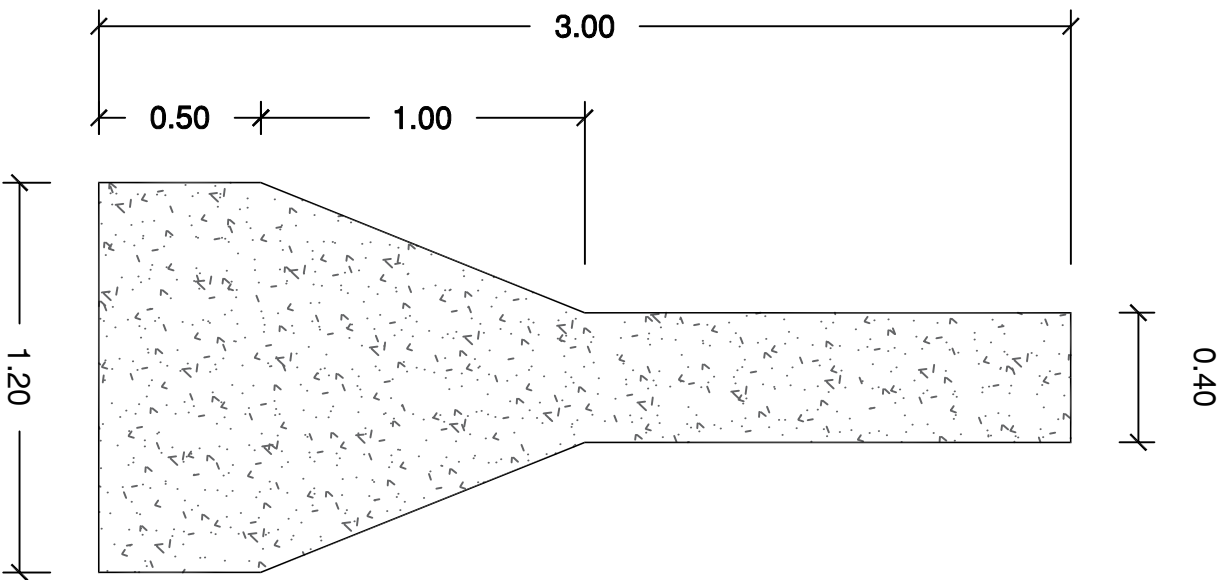
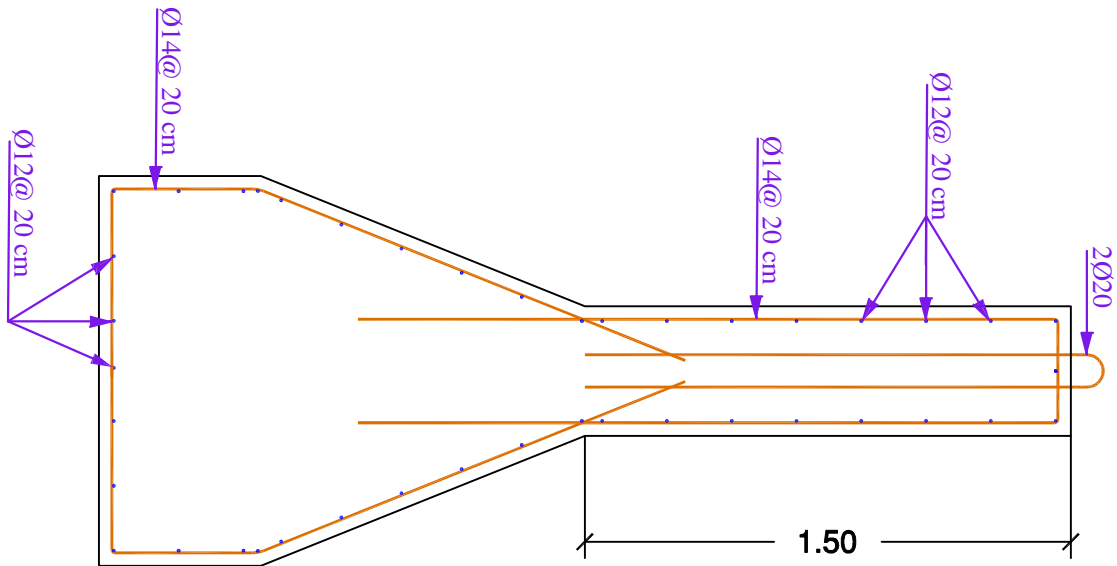




Location Al-Hodeida, Yemen

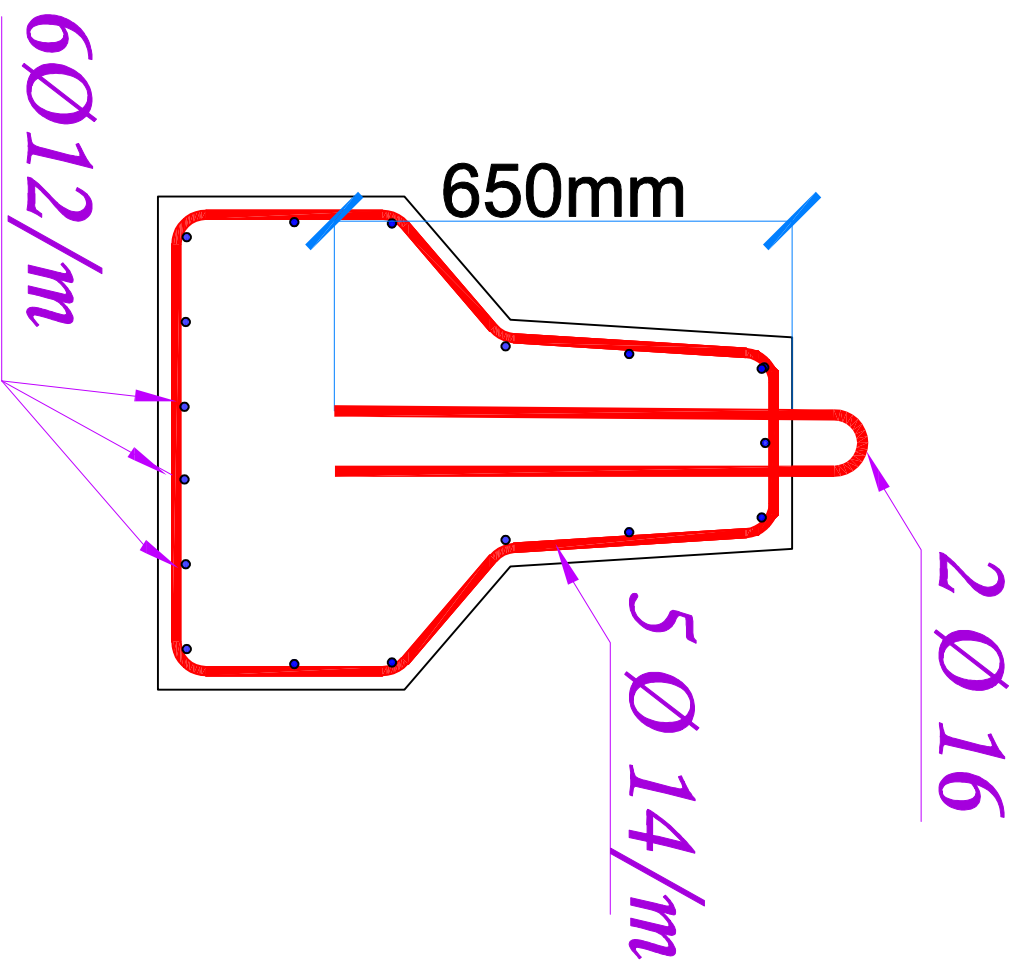
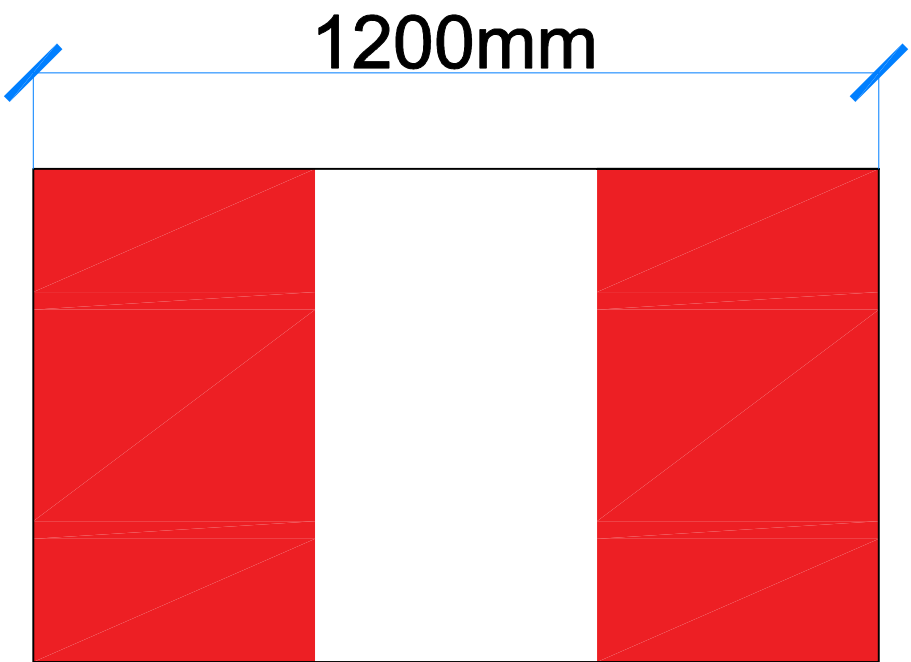
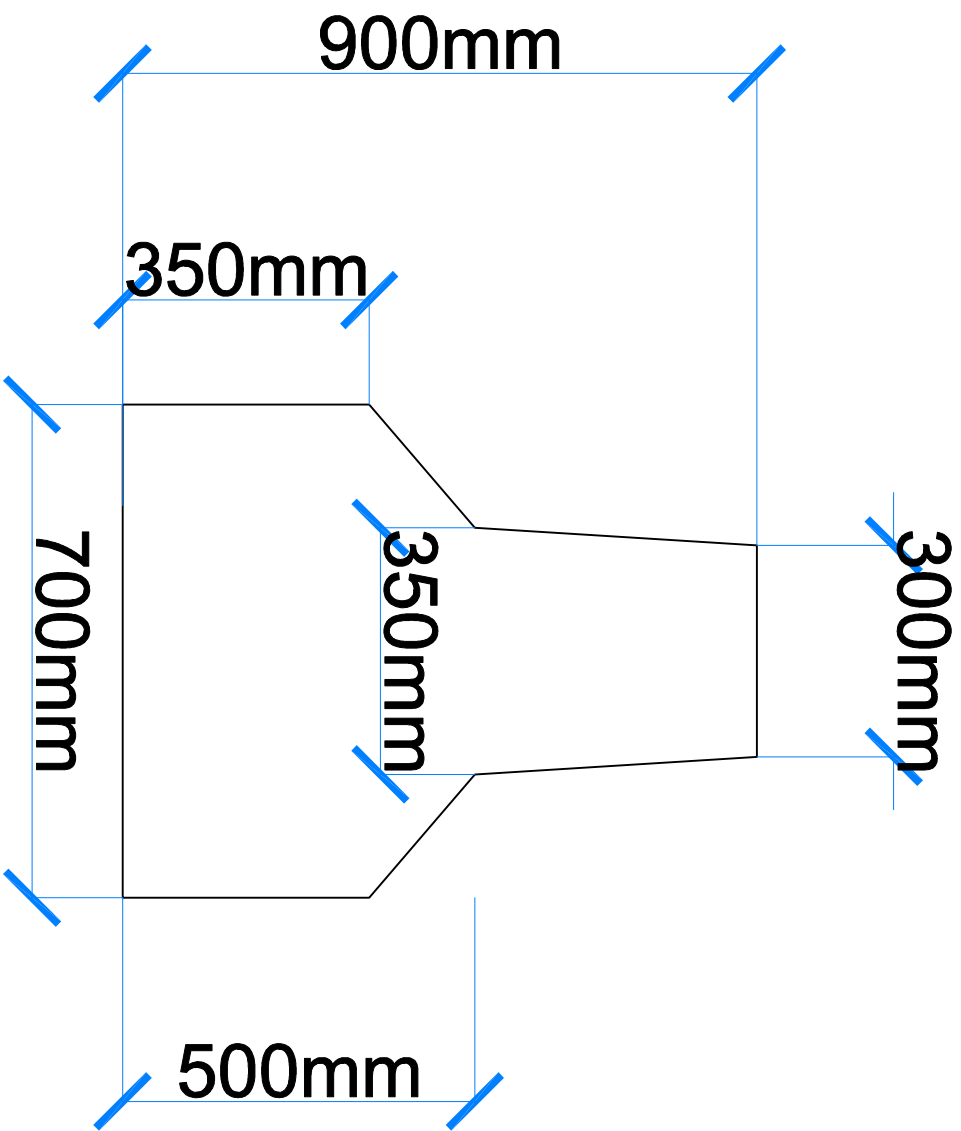
Project Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings

Drawing Title Main Gate Detail 1


Project Stage	Stage 1		
Size	A3	Drawing No.	2



Client		UNDP		
Location		Al-Hodeida, Yemen		
Project		Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings		
Drawing Title		T-wall Detail 2		
Project Stage		Stage 1		
Size		A3	Drawing No.	3
Design				
IGTIC engineering Infront of IQRA College, Box : 16063 Haddan, Si. Saraba, Yemen Tel : +967-1- 413 371, Fax: +967-1-410 372 Web: www.igtic.com				
				

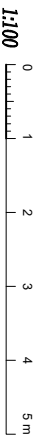
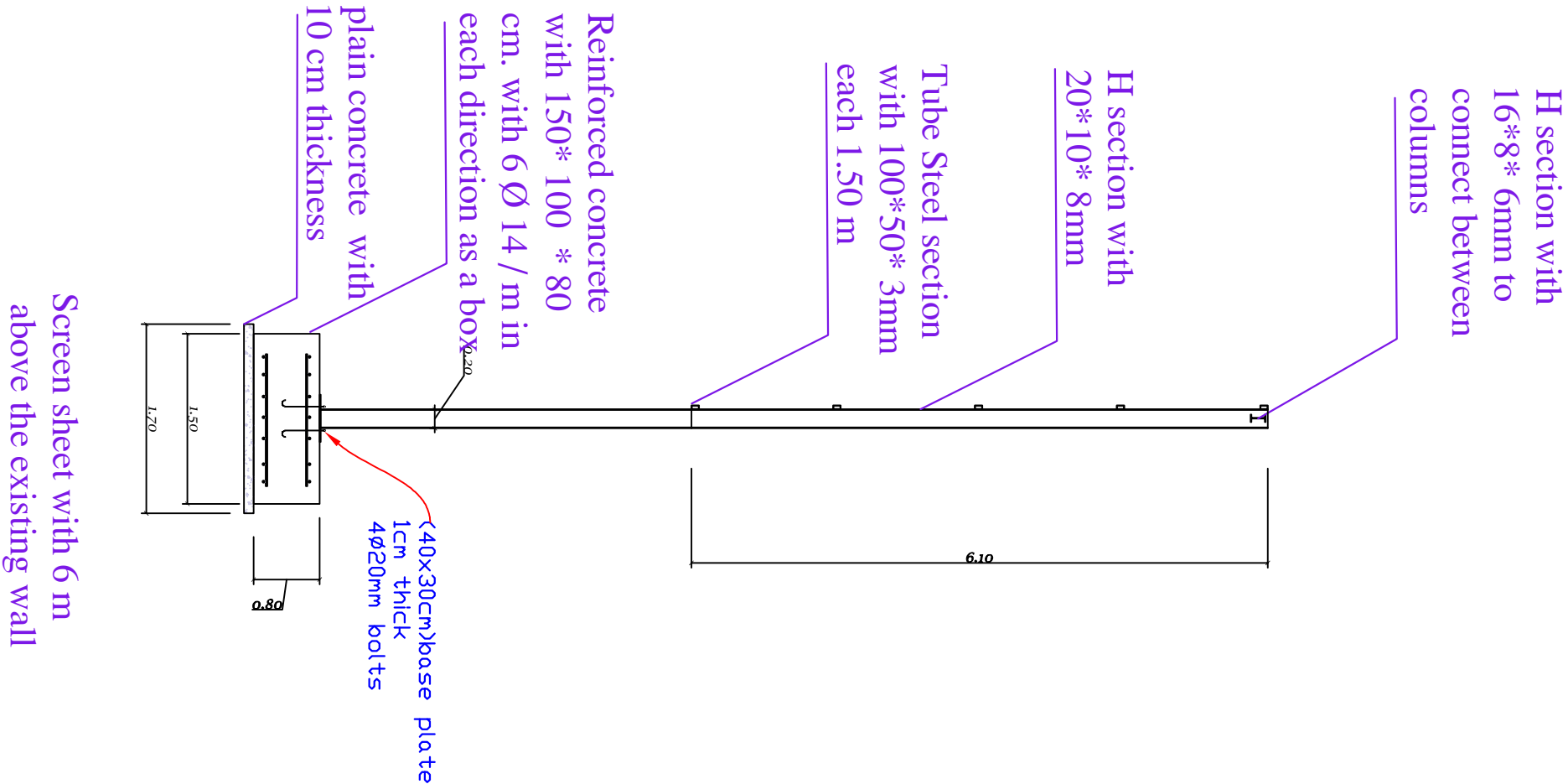



1:100 0 1 2 3 4 5 m

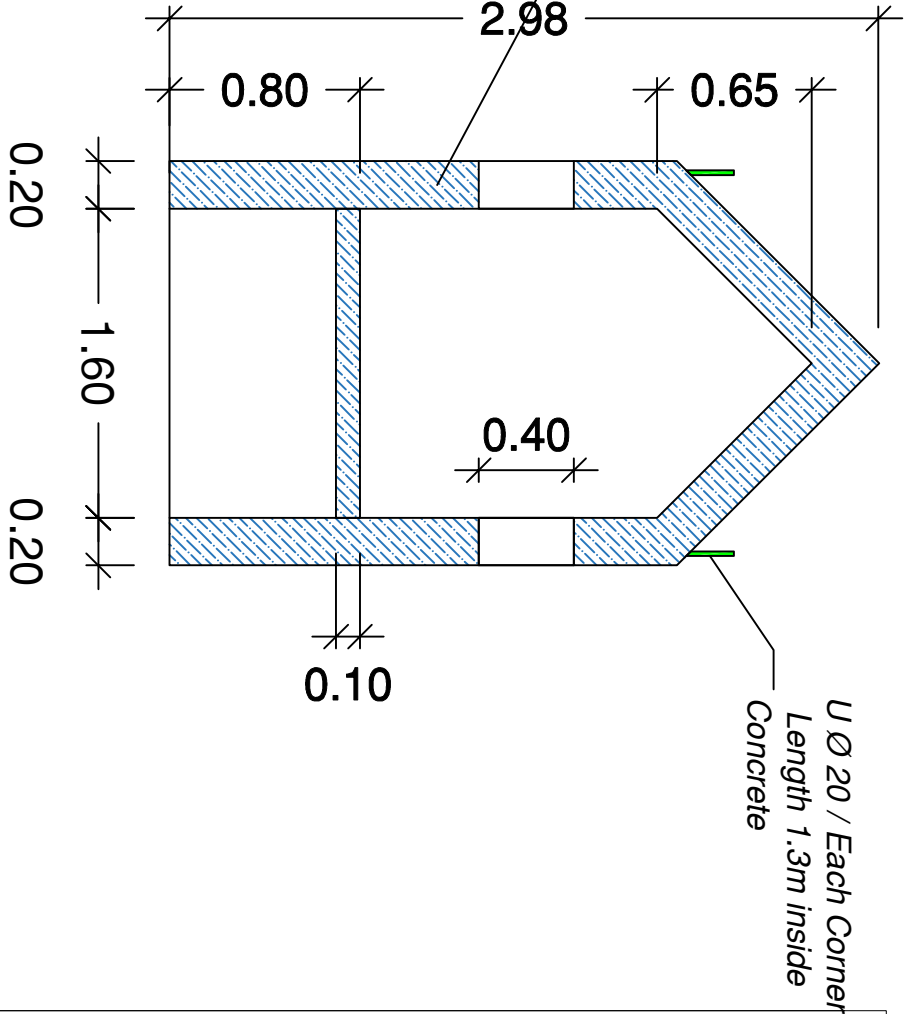
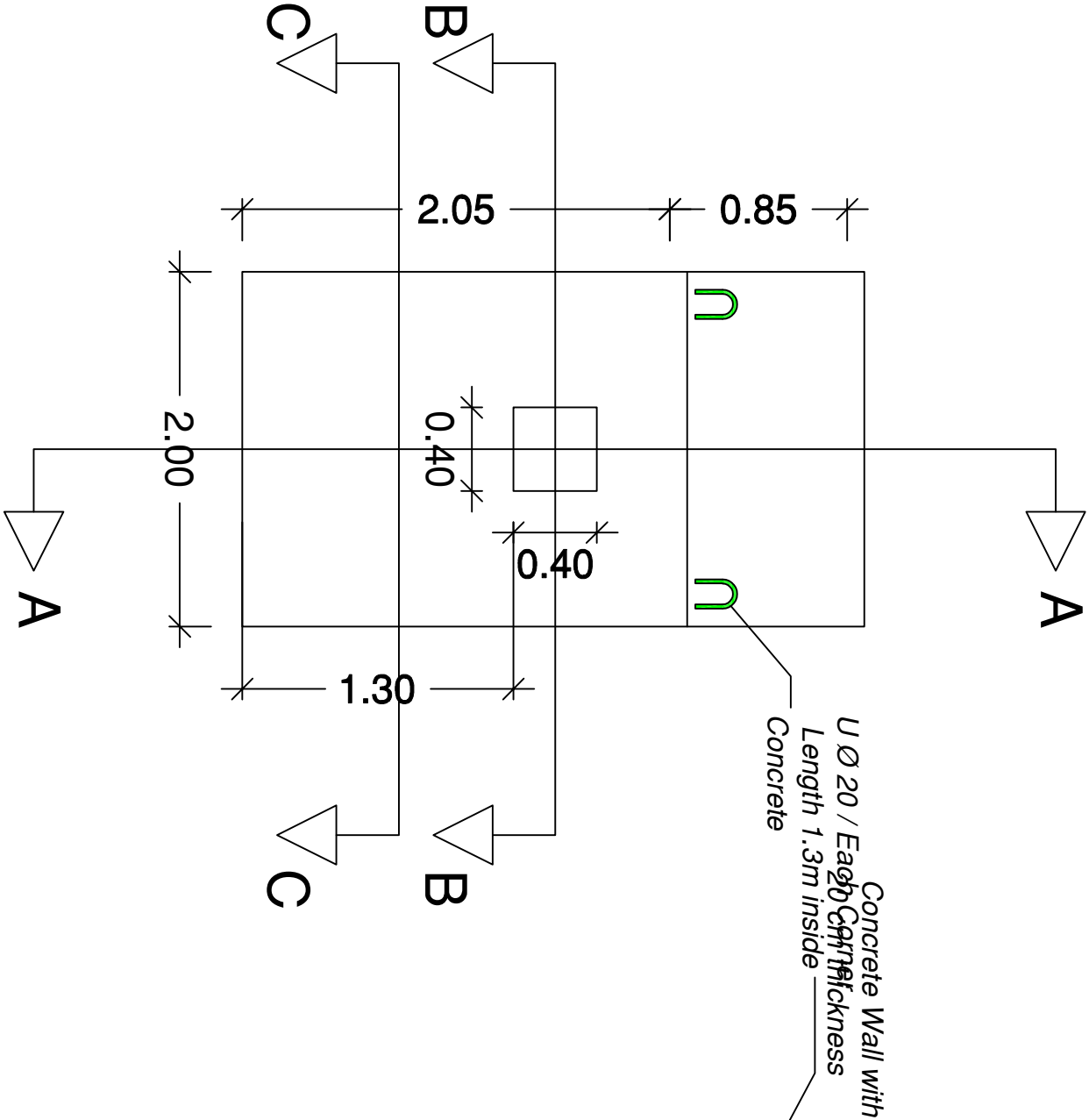
Client	UNDP		
Location	Al-Hodida, Yemen		
Project	Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings		
Drawing Title	Jersey barrier Detail 3		
Project Stage	Stage 1		
Size	A3	Drawing No.	④

Design **IGTC engineering**
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Web: www.igtc.com

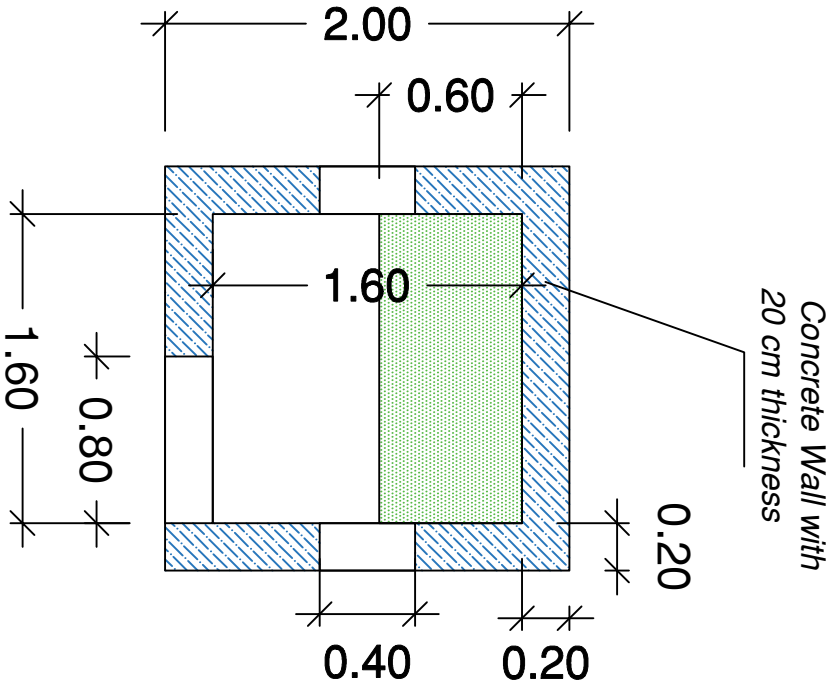
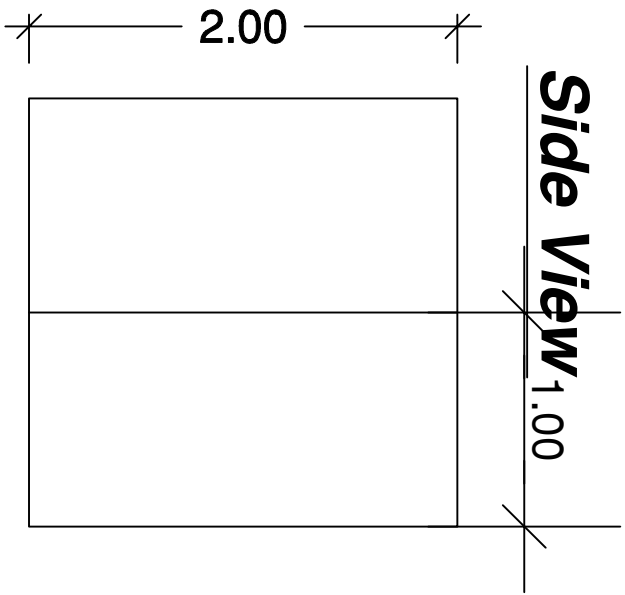




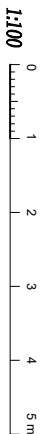
Client	UNDP			
Location	Al-Hodeida, Yemen			
Project	Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings			



Section A-A



Section B-B



Client UNDP

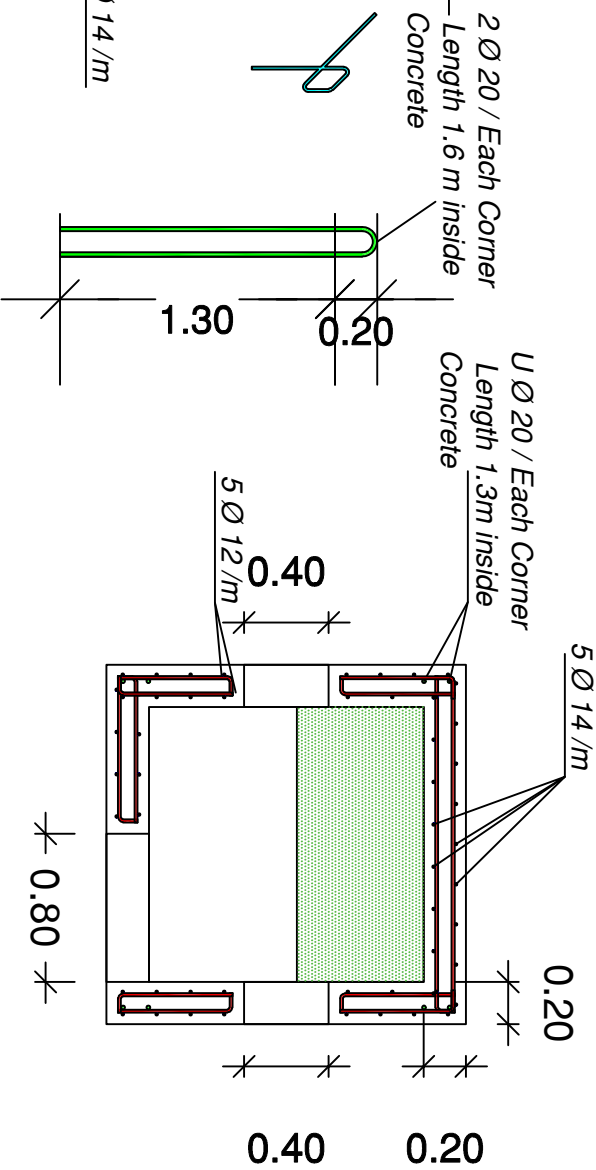
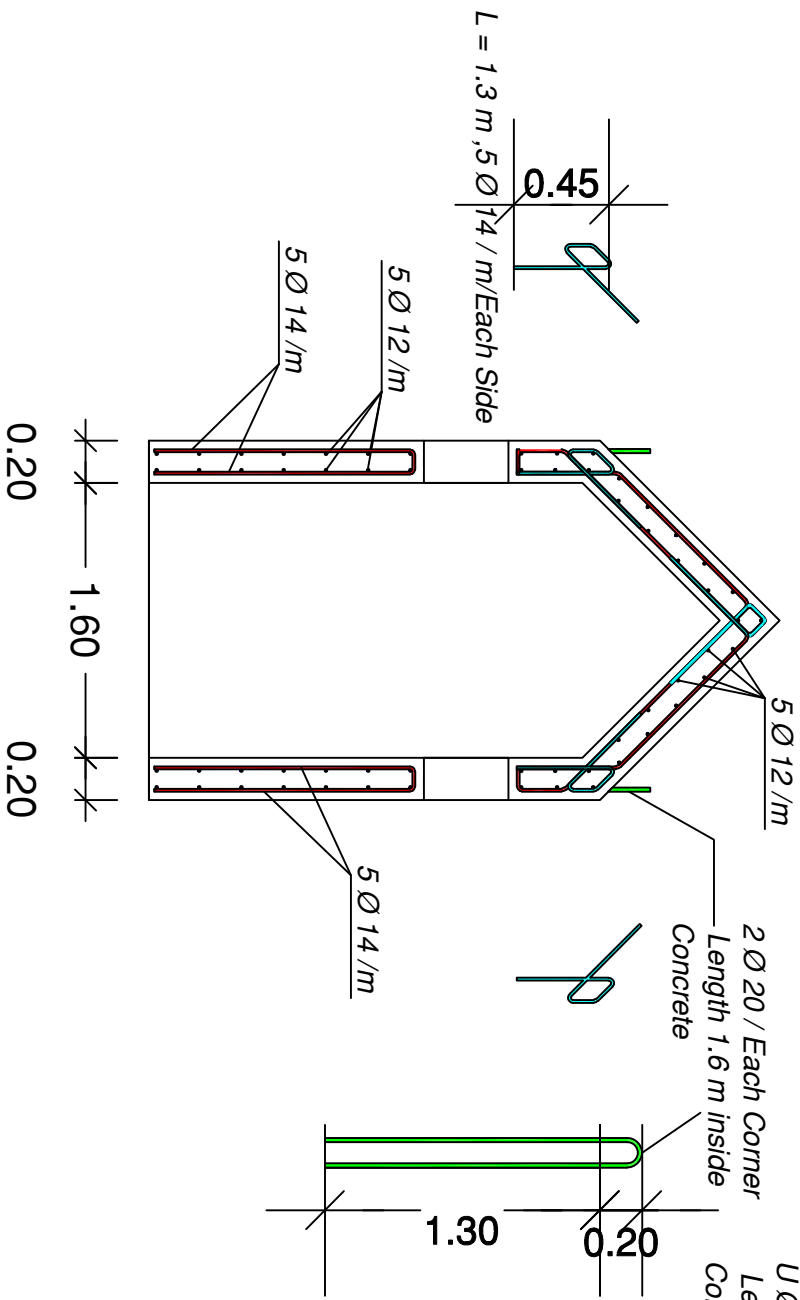
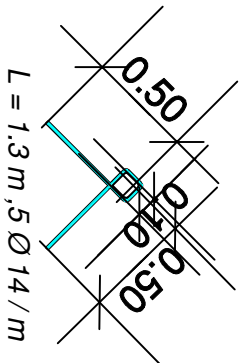
Location Al-Hodeida, Yemen

Project Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings

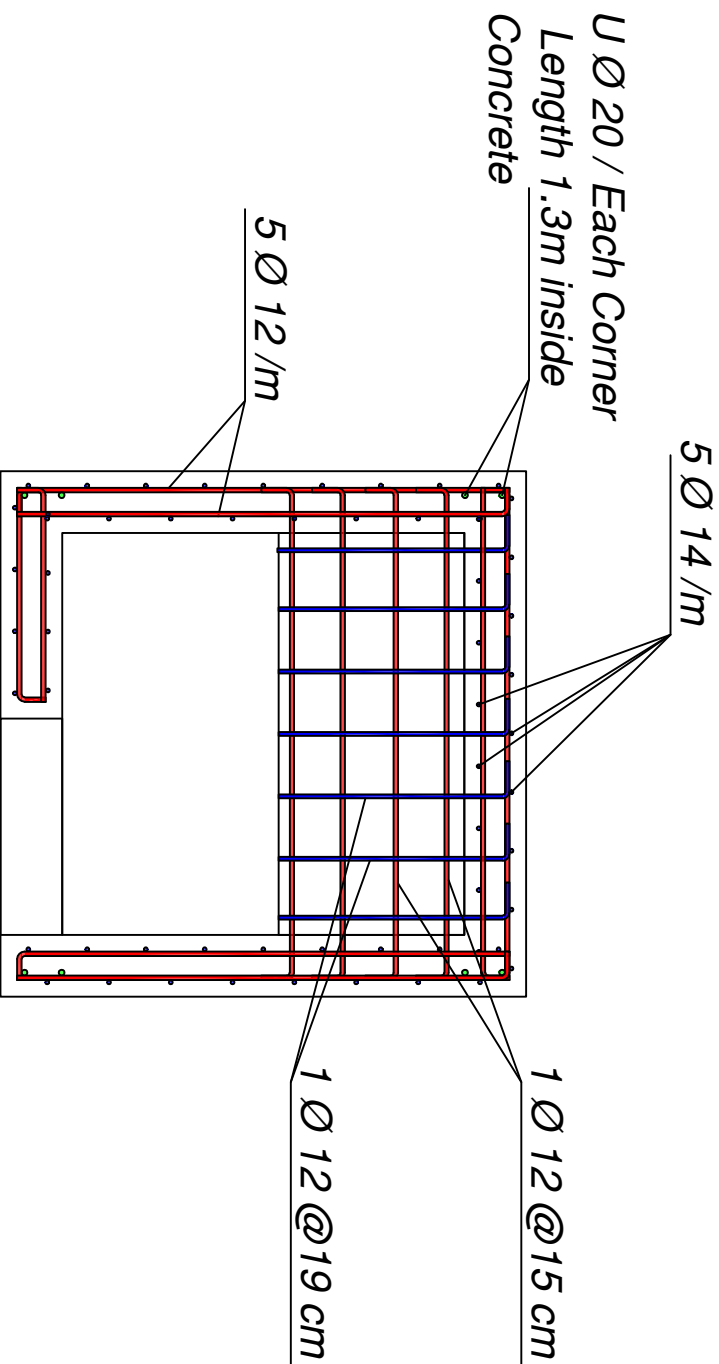
Drawing Title	Booth Detail 5		
Project Stage	Stage 1		
Size	A3	Drawing No.	6

Design IGTC engineering
Infront of IQRA College, Box : 16063 Haddar, St. Saraba, Yemen
Tel : +967-1-413 371, Fax: +967-1-410 372
Web: www.igtc.com

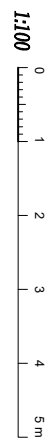




Section A-A



Section B-B



Client UNDP

Location Al-Hodeida, Yemen

Project Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings

Drawing Title Booth Detail 5

Project Stage	Stage 1
Size	A3
Drawing No.	7

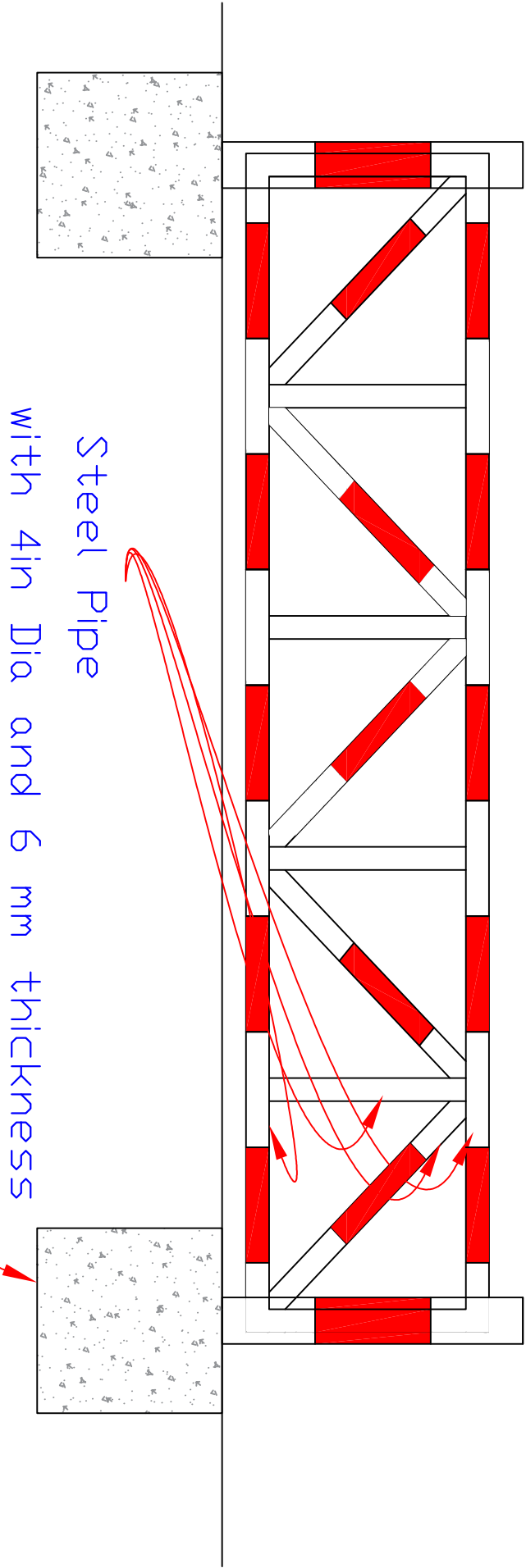
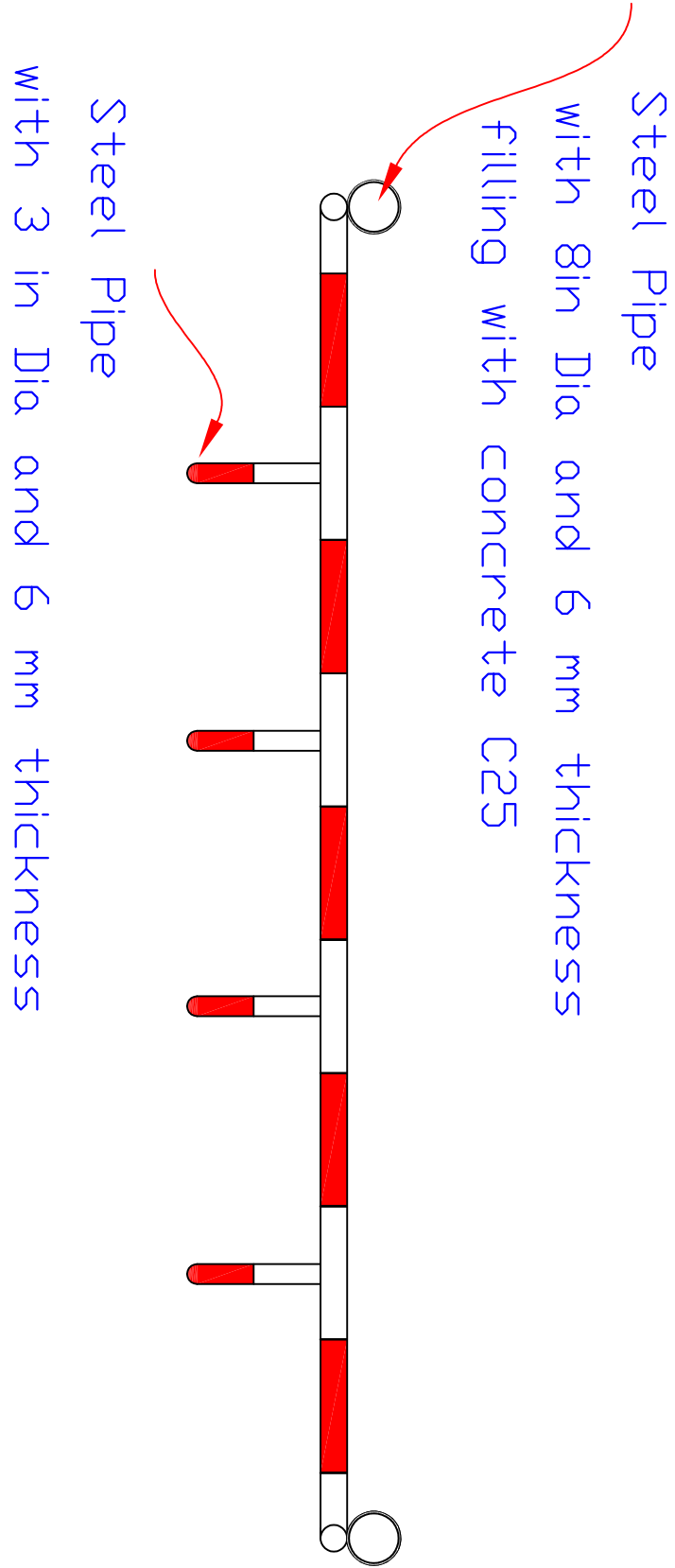
Design IGTC engineering

Infront of IQRA College, Box : 16063 Haddan, Si. Saraba, Yemen

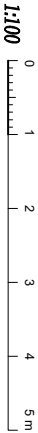
Tel : +967-1- 413 371, Fax: +967-1-410 372

Web: www.igtc.com

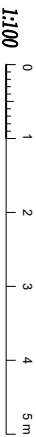
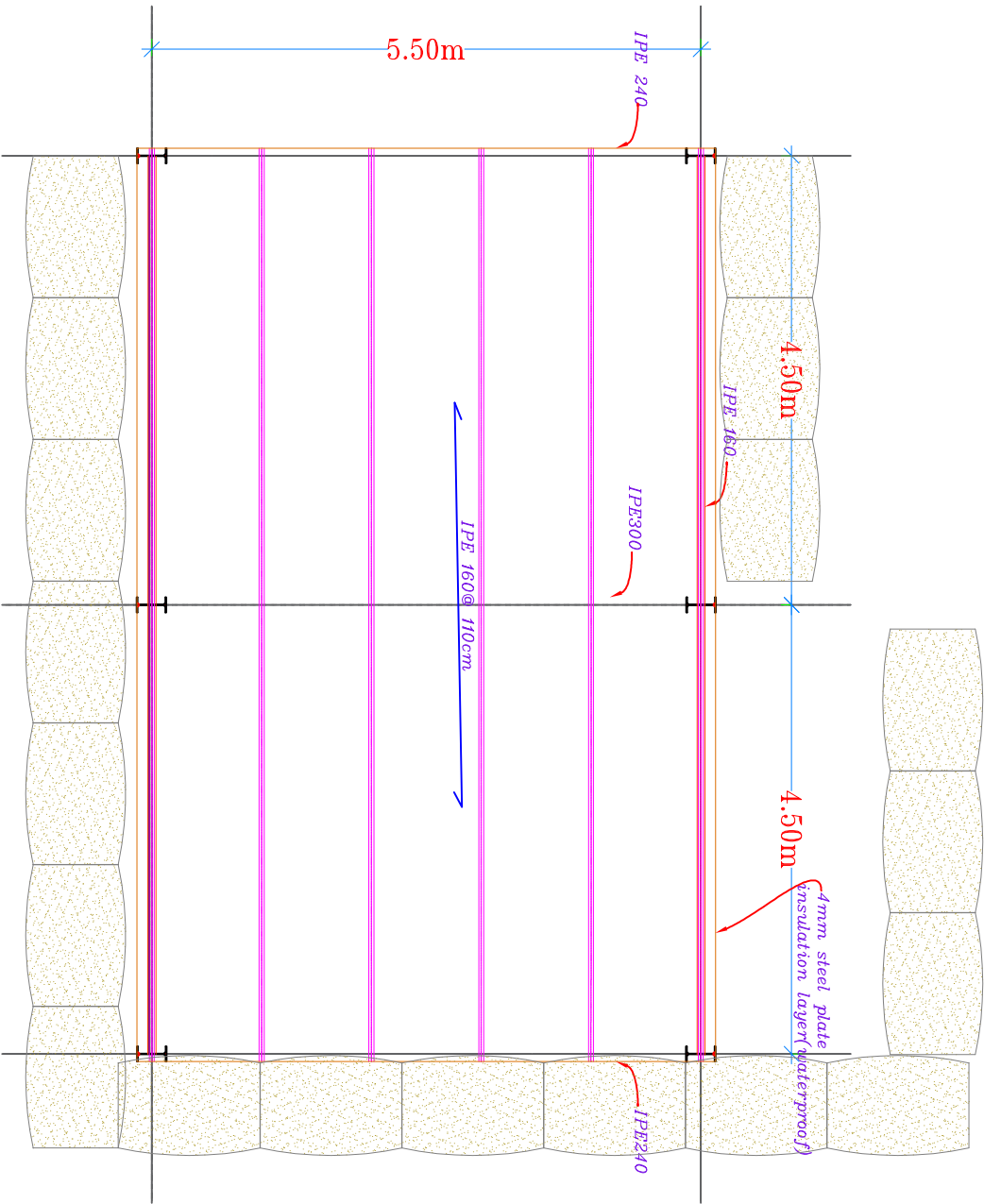
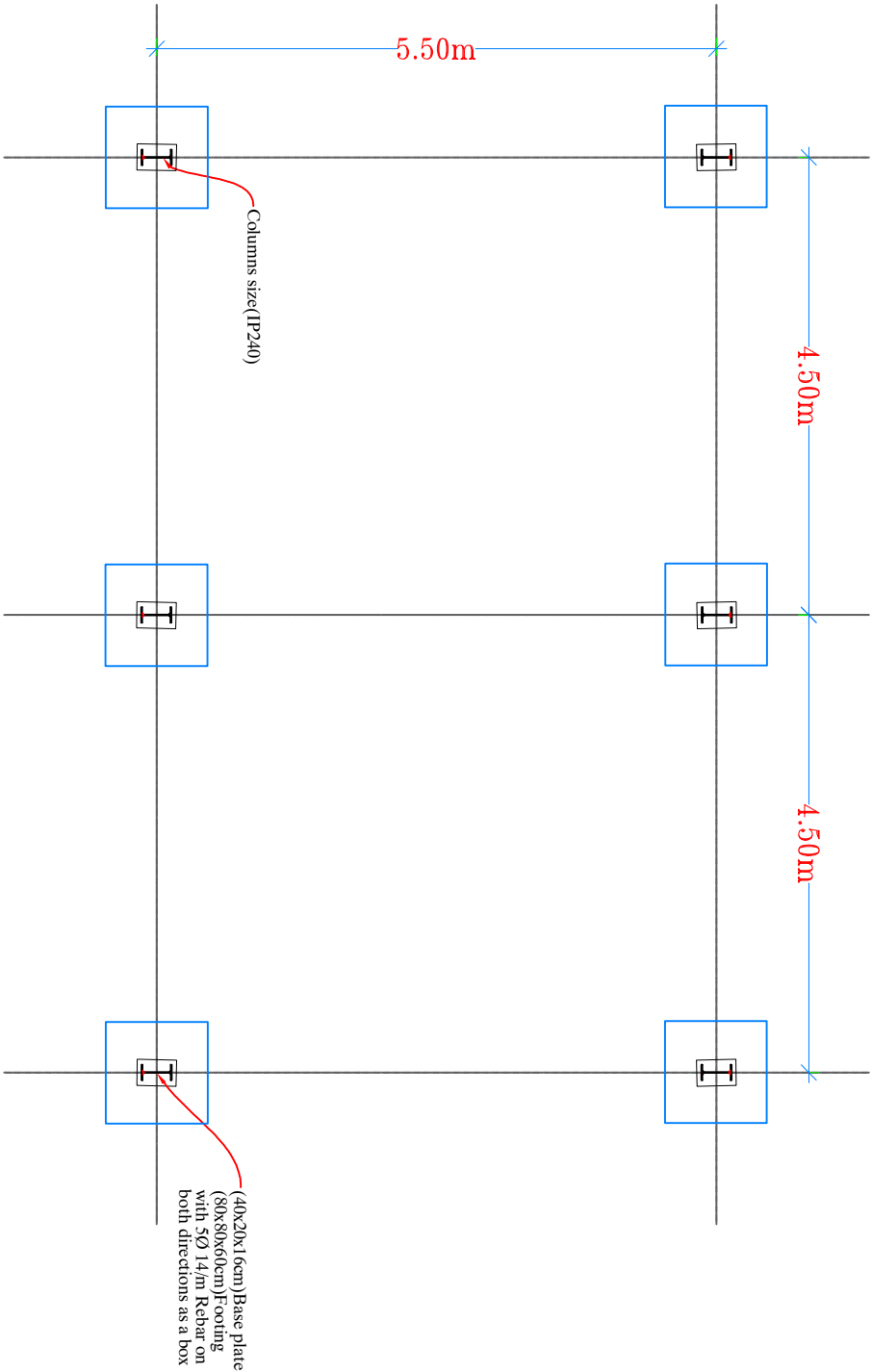





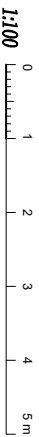
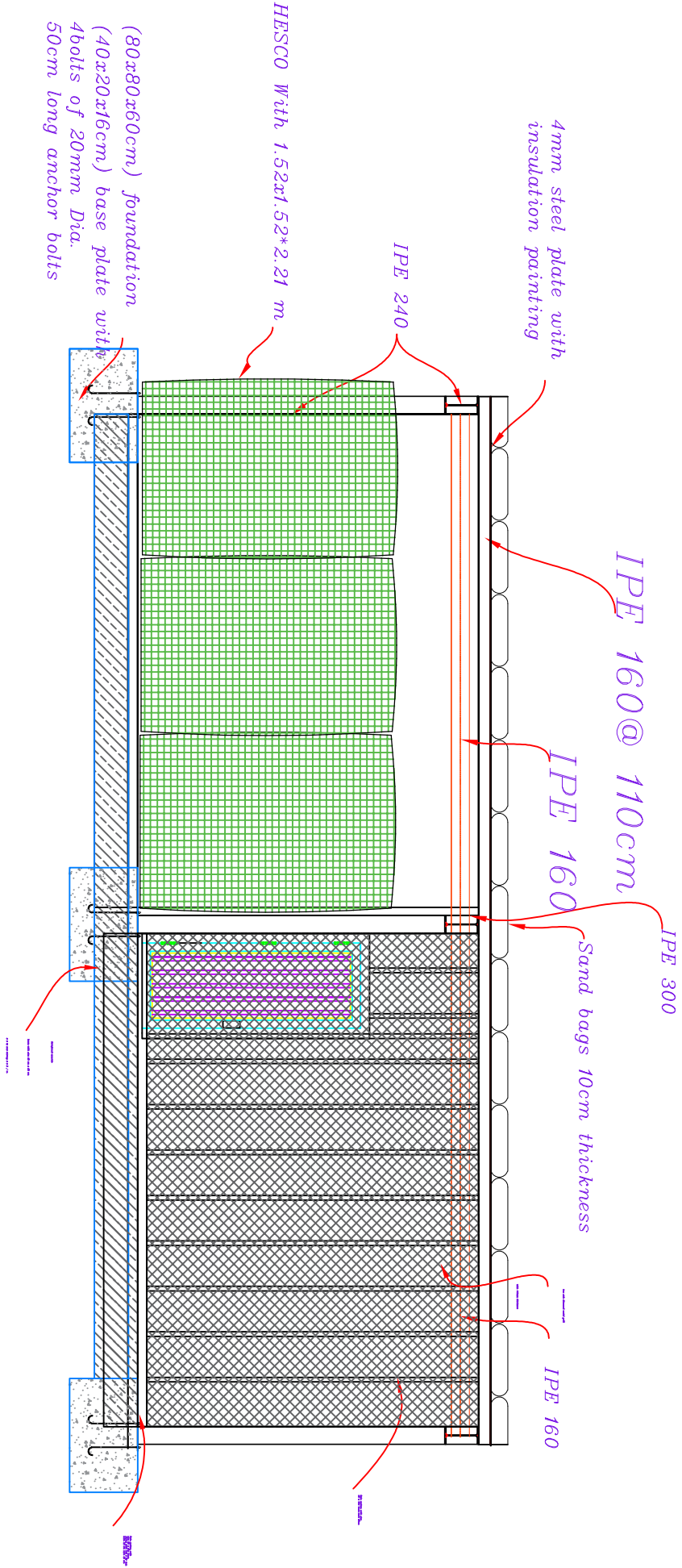
Reinforced concrete
foundation Class (C25)
with size 80 cm x 80 cm x 80 cm
Steel bars with $F_y=280$ mpa
and 6 ϕ 10 as a box




Client		UNDP		
Location		Al-Hodeida, Yemen		
Project		Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings		
Drawing Title		Boom Barrier Detail 6		
Project Stage		Stage 1		
Size		A3	Drawing No.	8
<div>Design</div> <div>IGTIC engineering Infront of IQRA College, Box : 16063 Haddan, St. Sana'a, Yemen Tel : +967-1-413 371, Fax: +967-1-410 372 Web: www.igtic.com</div> <div>UNDP</div> <div>IGTIC Engineering</div>				



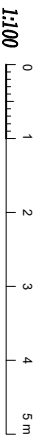
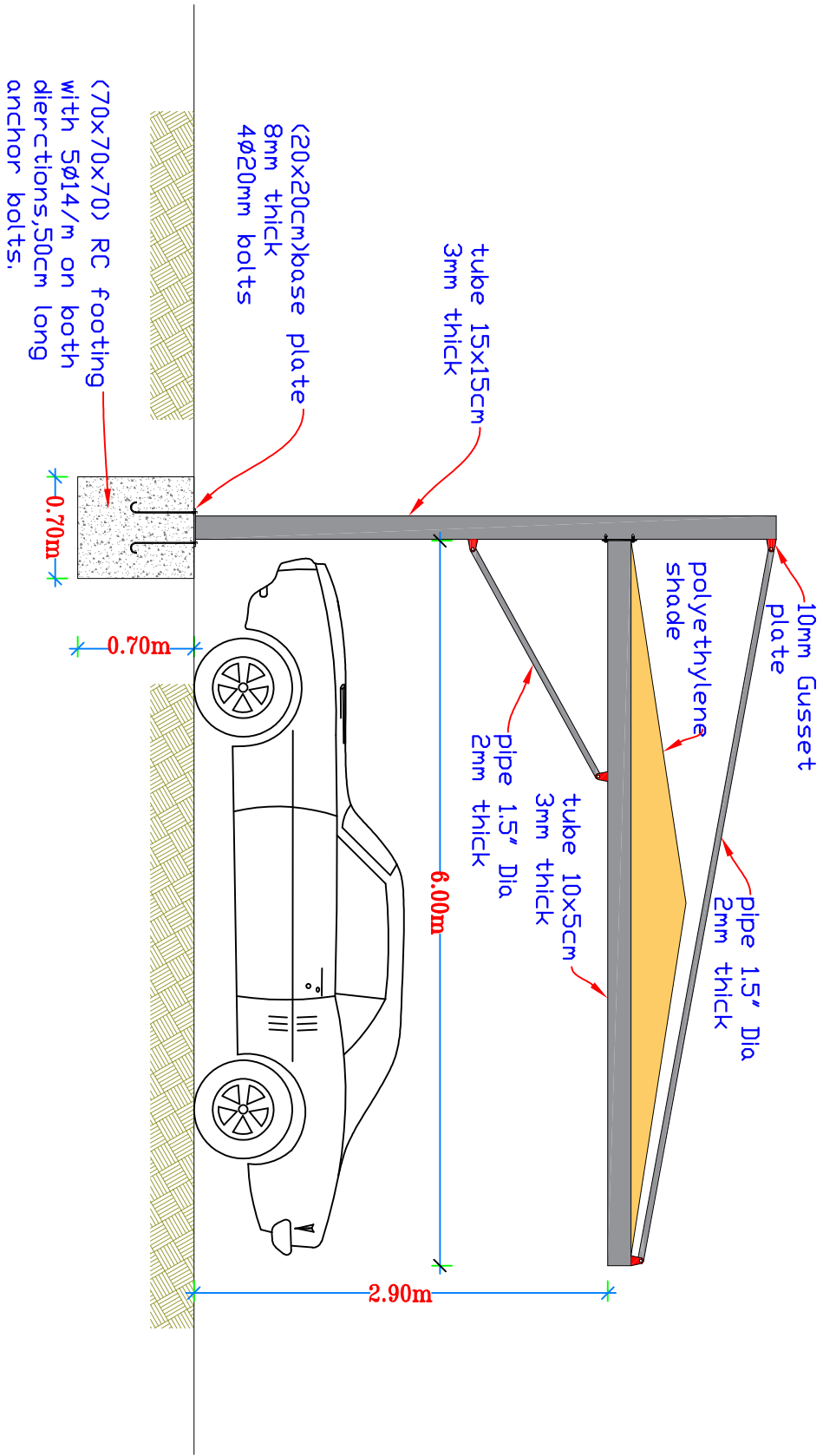
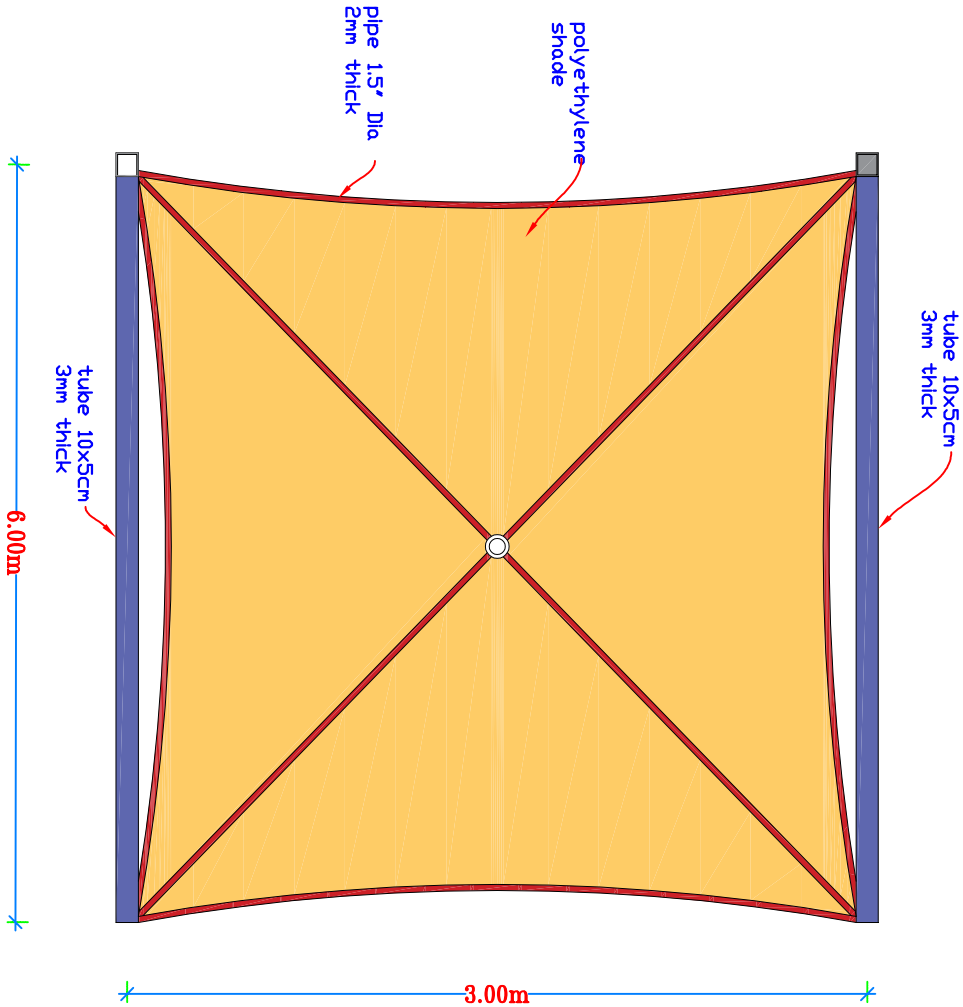
Client	UNDP			
Location	Al-Hodeida, Yemen			
Project	Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings			



Client	UNDP	
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Location	Al-Hodeida, Yemen
Project	Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings

Drawing Title		Generator shade	
Project Stage		Stage 1	
Size	A3		Drawing No.
			10



Location Al-Hodeida, Yemen

Project Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings

Drawing Title Sade for the Cars

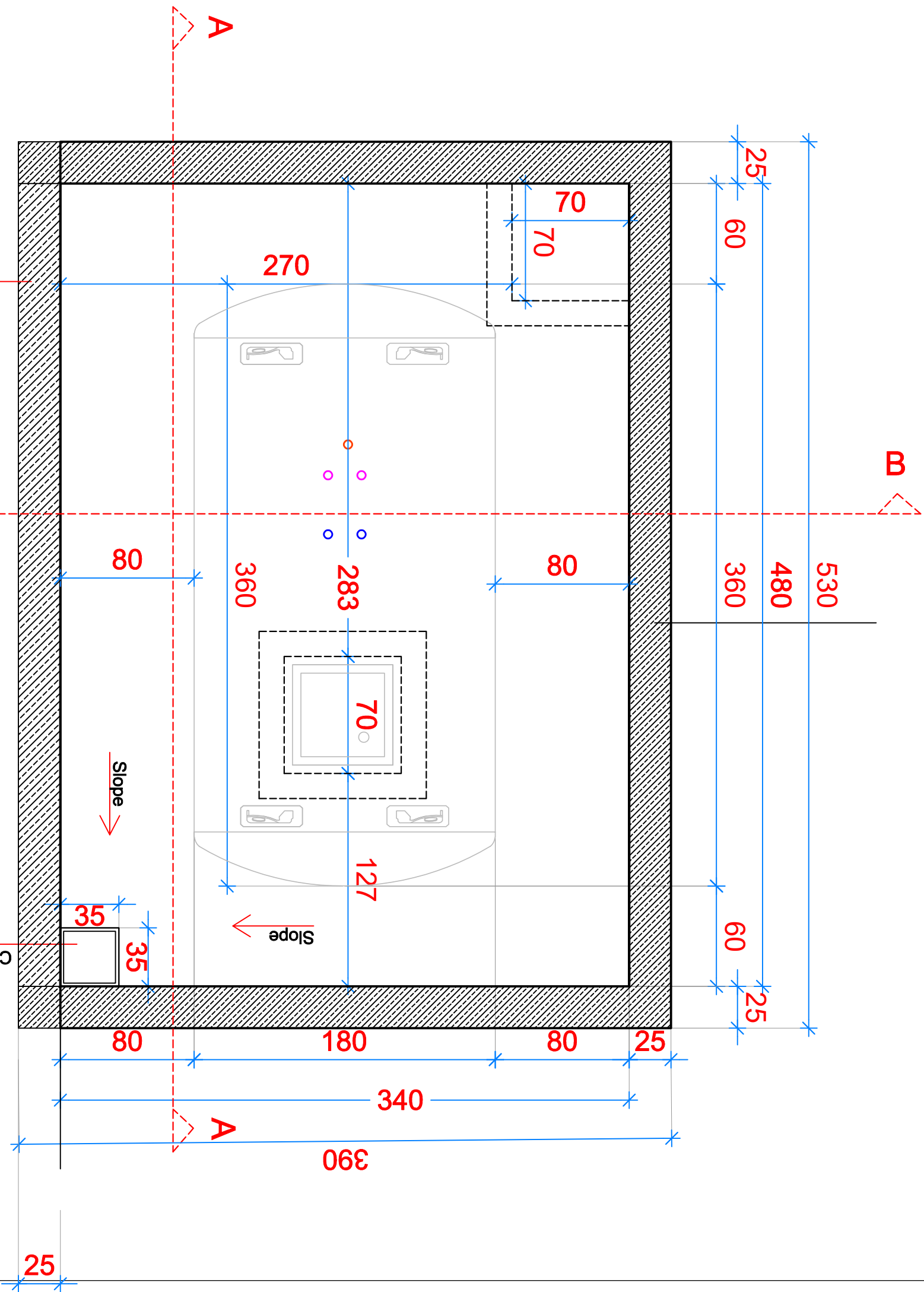
Project Stage Stage 1

Size A3

Drawing No.

11





Client UNDP

Location Al-Hodeida, Yemen

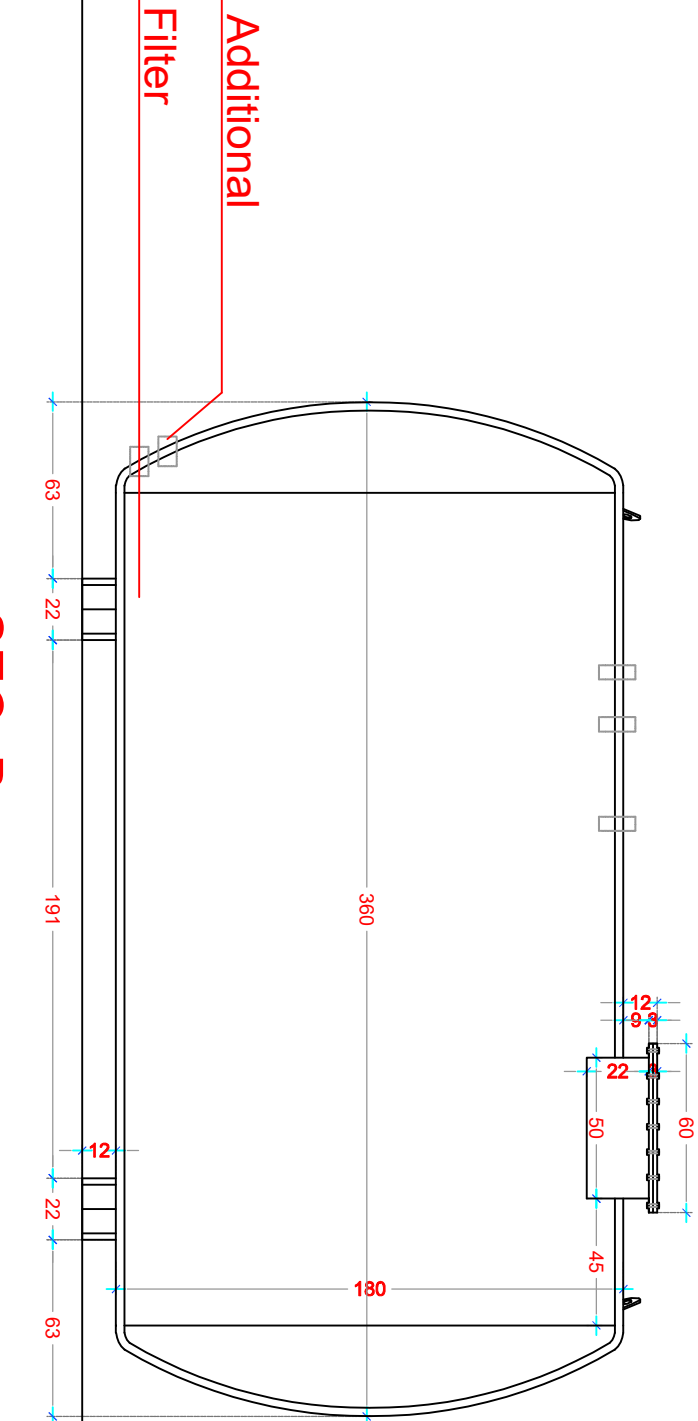
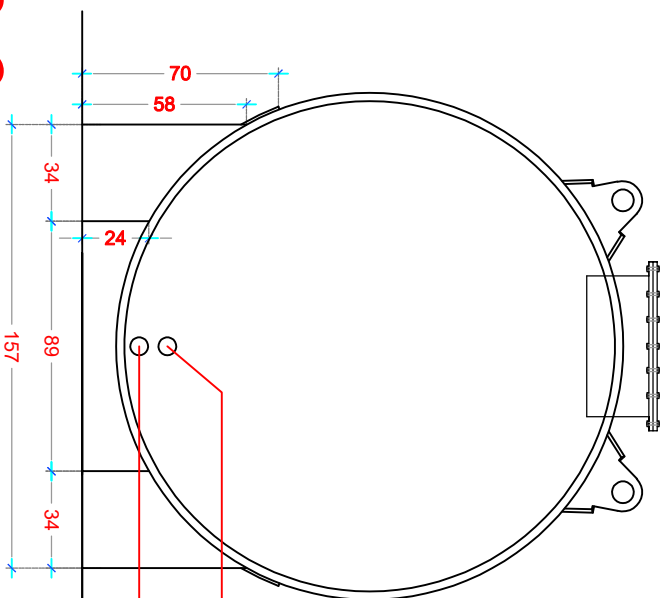
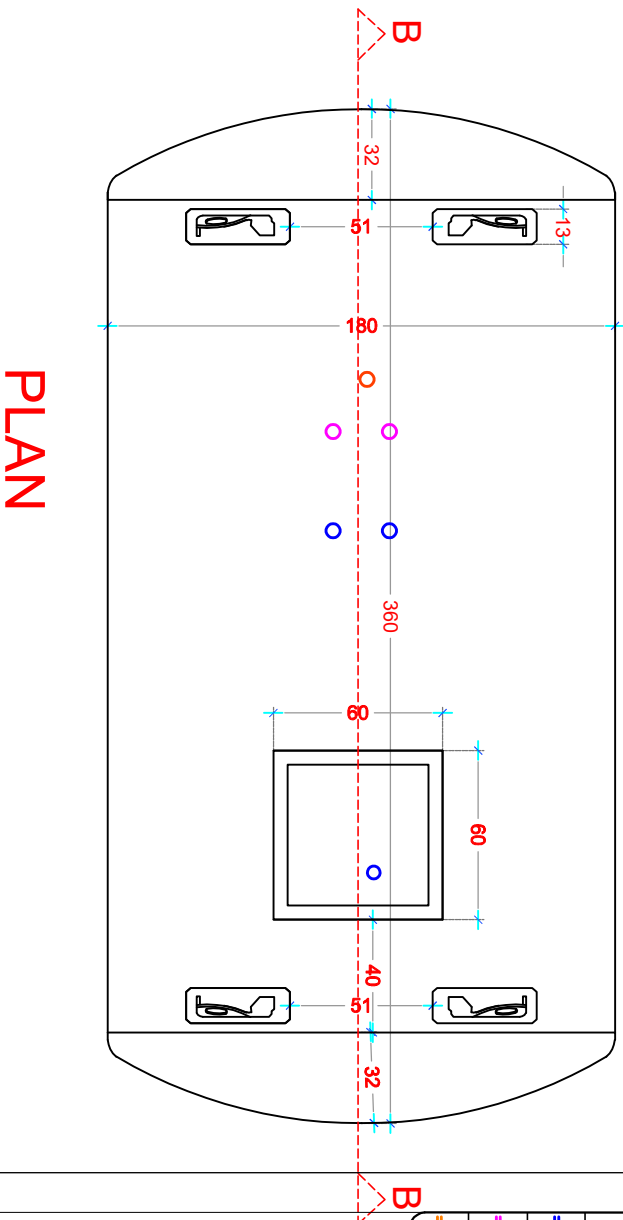
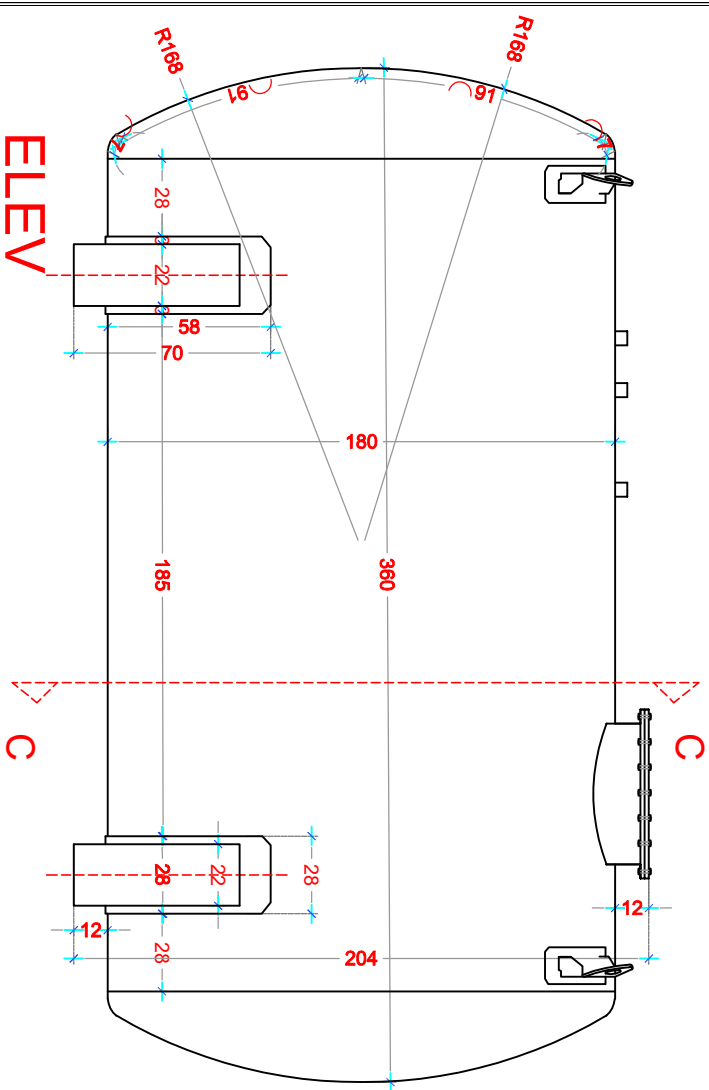
Project Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings

Drawing Title Fuel tank

Project Stage	Stage 1		
Size	A3	Drawing No.	12

Design IGTC engineering
Infront of IQRA College, Box : 16063 Haddan, Si. Saraa, Yemen
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SEC. C

SEC. B

PLAN

ELEV

SYMBOL		DESCRIPTION
		carbon steel pipe with diameter 1/2 in
		Galvanized steel pipe with diameter 1 in
		Galvanized steel pipe with diameter 5/4 in
		Galvanized steel pipe with diameter 3 in

Client	UNDP
Location	Al-Hodeida, Yemen
Project	Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings

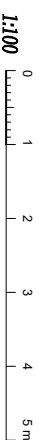
Drawing Title	Fuel tank
Project Stage	Stage 1
Size	A3
Drawing No.	14

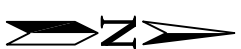
Design	IGTC engineering
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Tel : +967-1-413 371, Fax: +967-1-410 372	
Web: www.igtc.com	



Detail
Diesel tank with 4.80 mm thickness,
and capacity of 5000-liter

Scale 1 : 25





1. Installation of armor windows as shown in detail 7.
2. Installation Metal plate above the armored door.
3. Installation of Metal grill for the windows, (Anti-Shatter Resistance Films) SRF, and Reinforce window frames Steel bolts (Hilti-rated) 12mm dia. And 120 mm length into concrete/stone wall each 20.
4. Installation of proper frames with polycarbonate for the Qamaria..

- ⓓ1 New metal door with 8 mm in both side.
As shown (one leaf) in details 8
- ⓓ2 New metal door with 8 mm in both side.
As shown (Two-leaf) in details 9

New solid block wall with reinforced concrete bars.

New solid block wall .

New Wooden door



Client UNDP

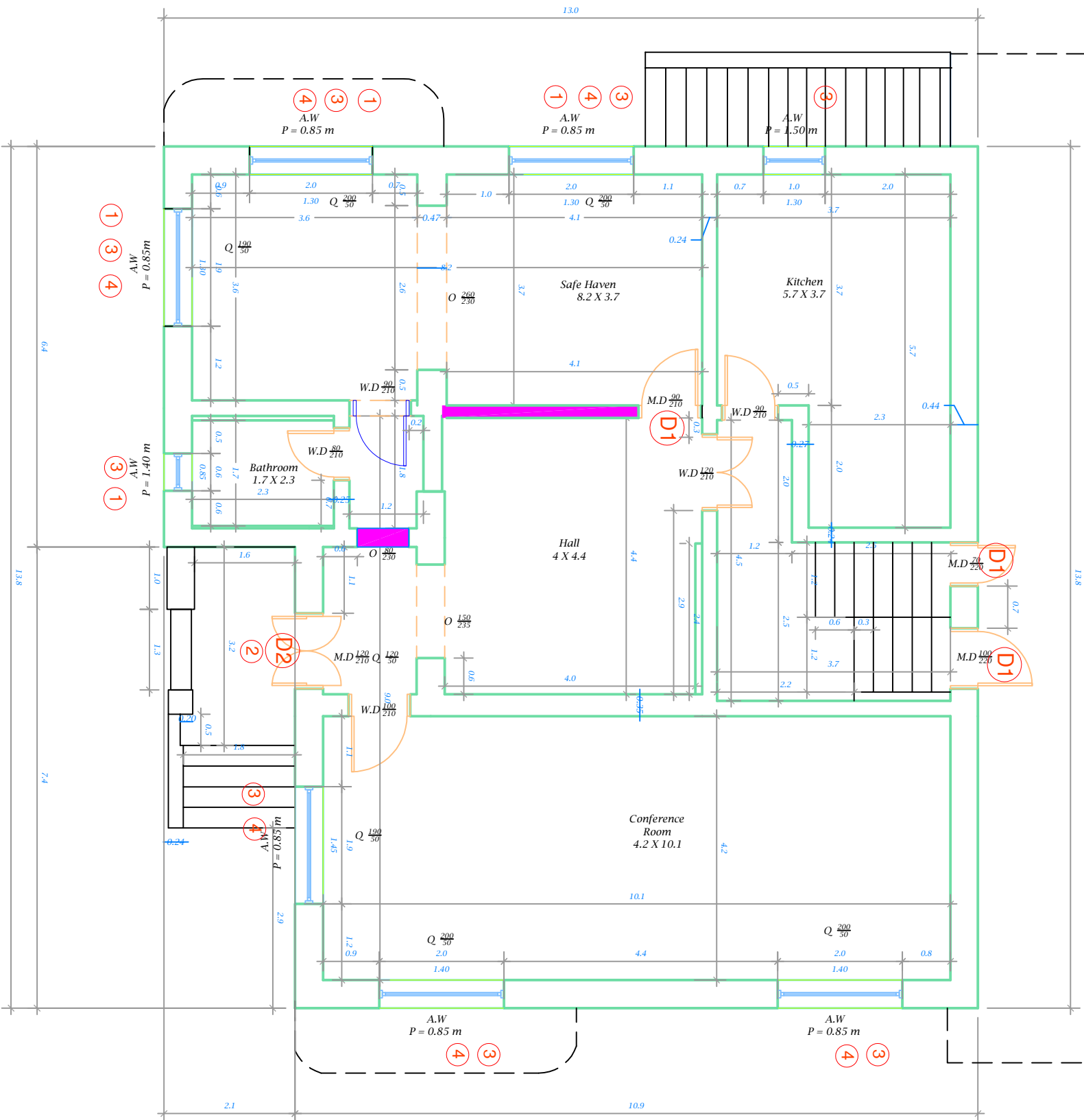
Location Al-Hodeida, Yemen

Project Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings

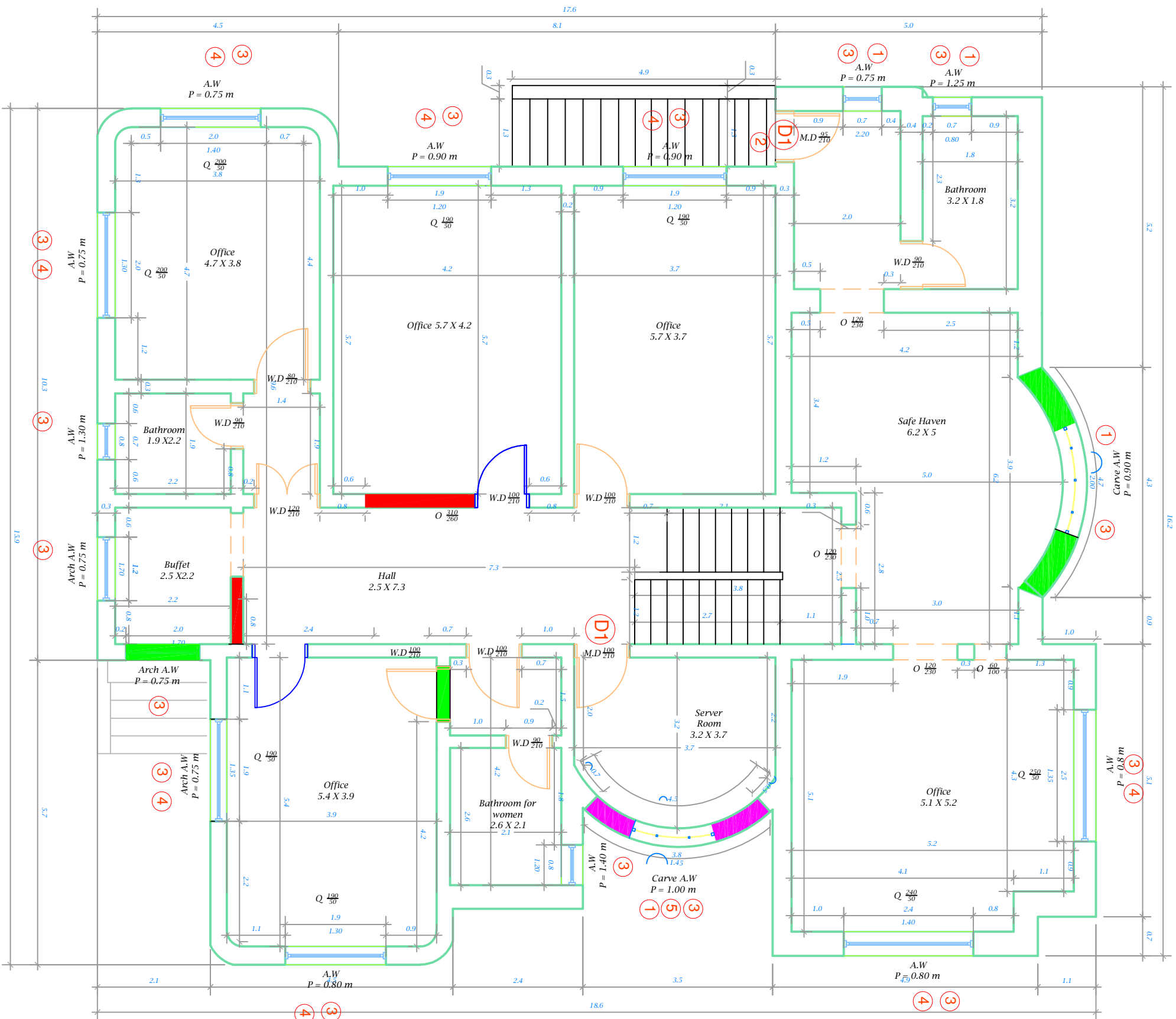
Drawing Title Villa (1) Ground Floor (security work)

Project Stage	Stage 1		
Size	A3	Drawing No.	18

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Tel : +967-1- 413 371, Fax: +967-1-410 372
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1:100 0 1 2 3 4 5 m



1. Installation of armor windows as shown in detail 7.
2. Installation Metal plate above the armored door.
3. Installation of Metal grill for the windows. (Anti-Shatter Resistance Films) SRF, and Reinforce window frames Steel bolts (Hilti-rated) 12mm dia. And 120 mm length into concrete/stone wall each 20.
4. Installation of proper frames with polycarbonate for the Qamaria.

- Closing the window and door.
- New solid block wall .
- New solid block wall with reinforced concrete bars.

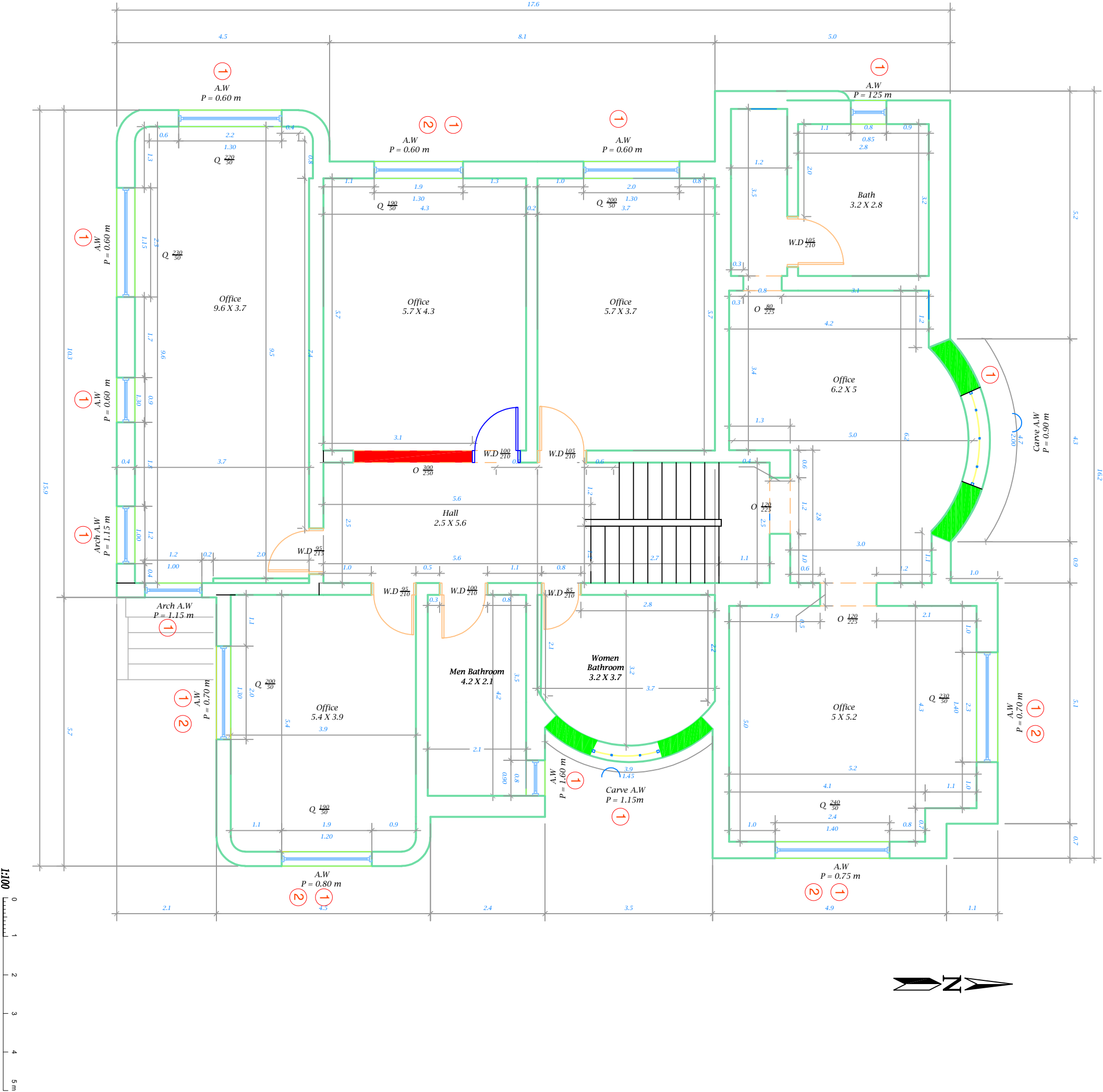
D1
New metal door with 8 mm in both side.
As shown in details 8

New Wooden door

Client	UNDP
Location	Al-Hodeida, Yemen
Project	Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings

Drawing Title	Villa (1) First Floor Security work
Project Stage	Stage 1
Size	A3
Drawing No.	19





1. Installation of (Anti-Shatter Resistance Films) SRF, and Reinforce window frames Steel bolts (Hilti-rated) 12mm dia. And 120 mm length into concrete/stone wall each 20.
2. Installation of proper frames with polycarbonate for the Qamaia.

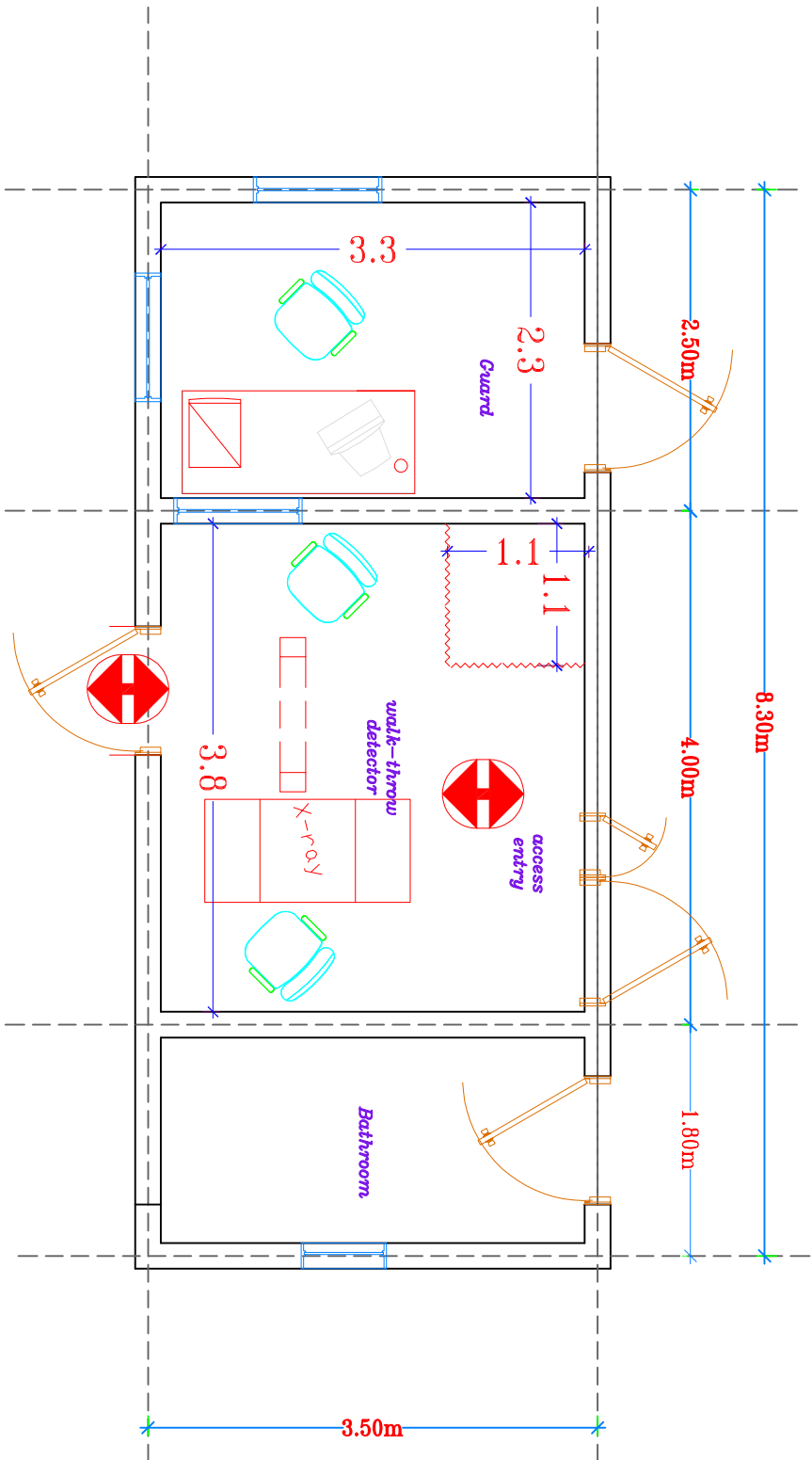


New solid block wall .

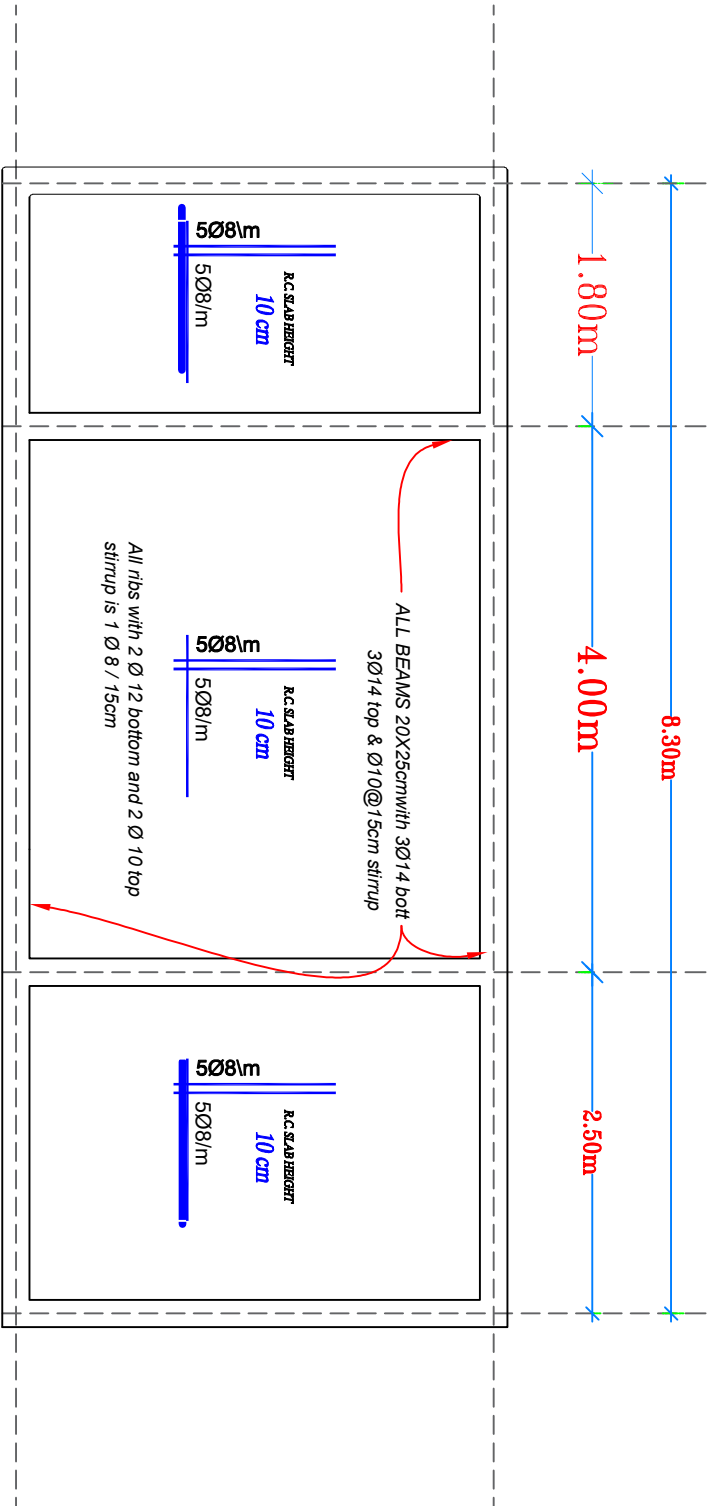
Client	UNDP
Location	Al-Hodeida, Yemen
Project	Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings

Drawing Title	Villa (1) Second Floor Security work
Project Stage	Stage 1
Size	A3
Drawing No.	(20)

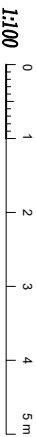






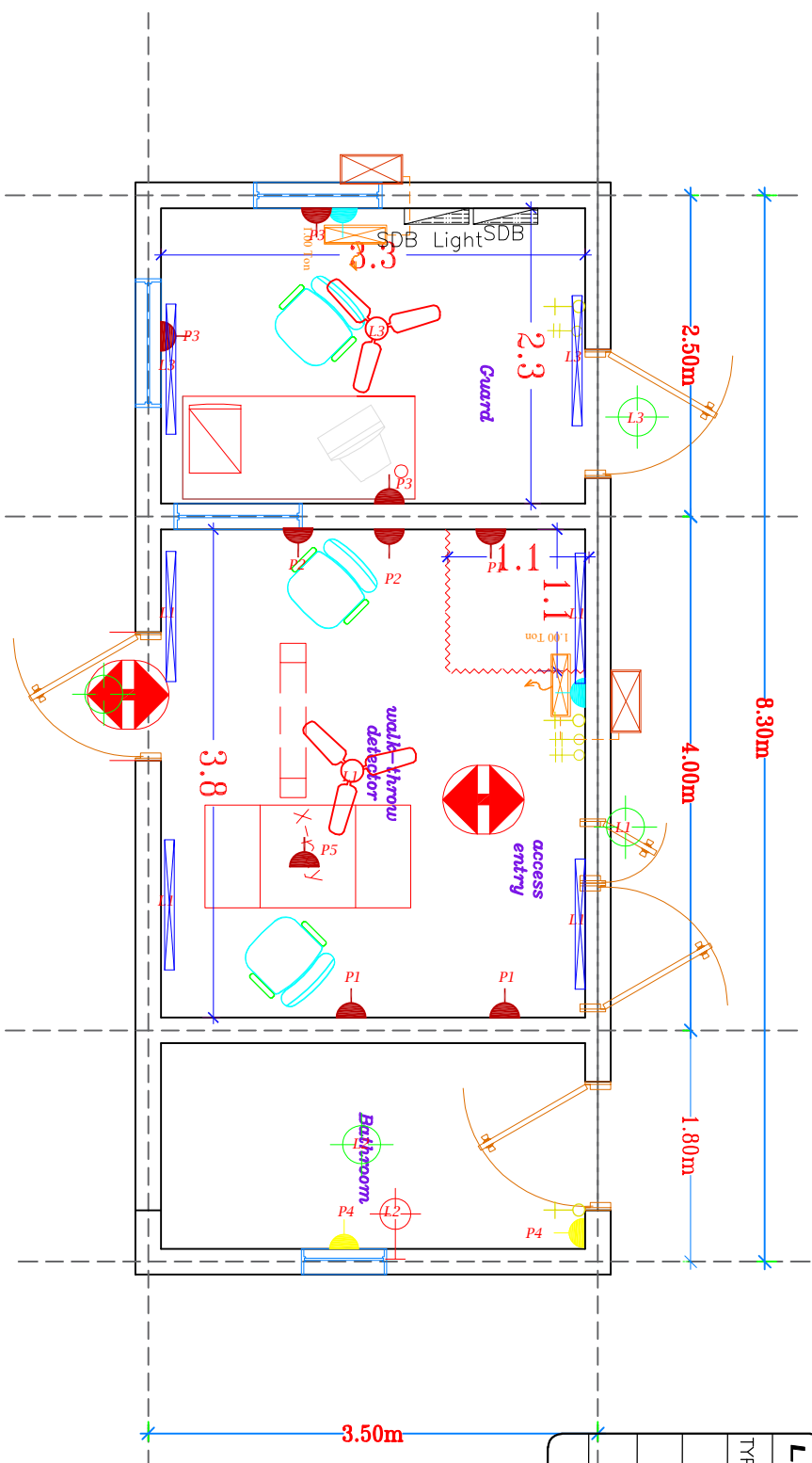
 Pedestrian access control plan







 Pedestrian access control ROOF FRAMING PLAN







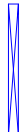







Client	UNDP			
Location	Al-Hodeida, Yemen			
Project	Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings			
Drawing Title	Pedestrian Access Villa 1 Plan			
Project Stage	Stage 1			
Size	A3		Drawing No.	27
Design				
IGTIC engineering Infront of IQRA College, Box : 16063 Haddan, Si, Sana'a, Yemen Tel : +967-1- 413 371, Fax: +967-1-410 372 Web: www.igtic.com				
				

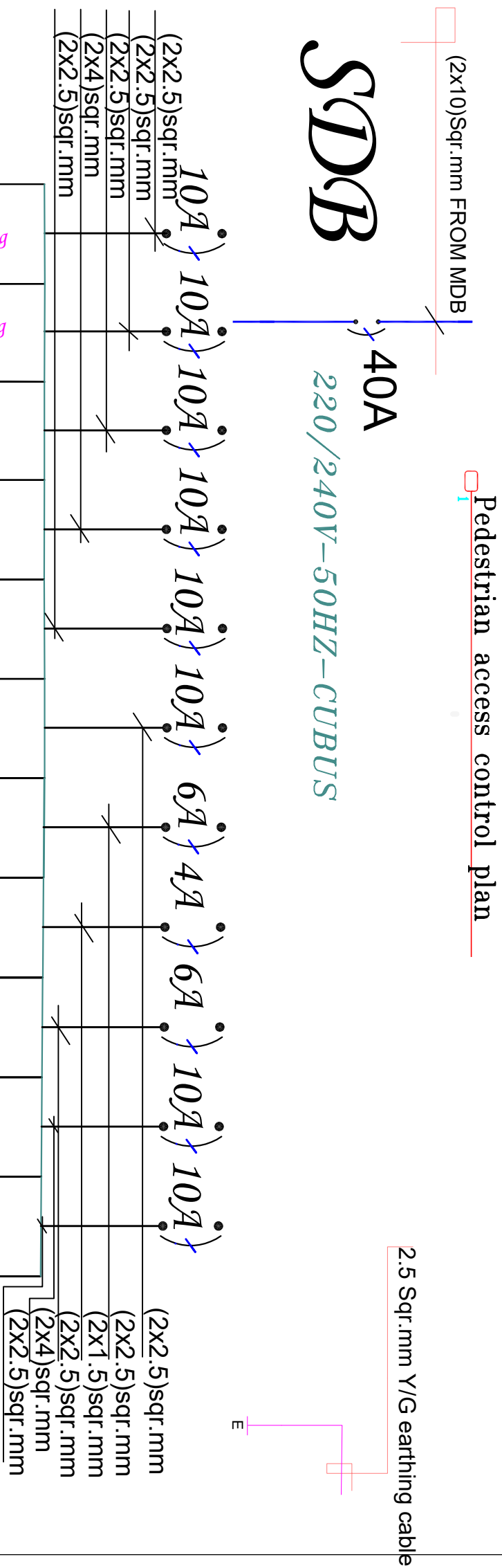


LIGHTING SWITCH		
TYPE	SYMBOL	DESCRIPTION
		10A SINGLE GANG LIGHTING SWITCH.
		10A TWO & THREE GANG LIGHTING SWITCH.
		SUB-DISTRIBUTION BOARD.
		SUB-DISTRIBUTION BOARD For the perimeter lighting.

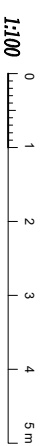
POWER OUTLET SYSTEM SYMBOL LEGEND	
TYPE	DESCRIPTION
S1	13 A 240V/50Hz +E SWITCHED POWER SOCKET OUTLET BRITISH STANDARD. New one for the AC with h = 2,20m
S2	16 A 240V/50Hz +E SWITCHED POWER SOCKET OUTLET BRITISH STANDARD. New one for the AC with h = 2,20m
S3	13 A 240V/50Hz +E SWITCHED POWER Double SOCKET OUTLET BRITISH STANDARD. New one with H= 30 cm
S4	13 A 240V/50Hz +E SWITCHED POWER SOCKET OUTLET BRITISH STANDARD. New one with H= 30 cm
S5	16 A 240V/50Hz +E SWITCHED POWER SOCKET OUTLET BRITISH STANDARD. New one with H= 1,20 cm water proof
S6	16 A 240V/50Hz +E SWITCHED POWER SOCKET OUTLET BRITISH STANDARD. New one with h = 0,50m
S7	13 A 240V/50Hz +E SWITCHED POWER SOCKET OUTLET BRITISH STANDARD. New one with h = 1,50m water proof
S8	20 A 240V/50Hz +E SWITCHED POWER SOCKET OUTLET BRITISH STANDARD. New one for the AC with h = 2,20m

SIGNAGE SYMBOL LEGEND



SYMBOL	DESCRIPTION
	OUTDOOR AIR CONDITION UNIT COOL AND HEAT
	INDOOR AIR CONDITION UNIT 2 TONE
	INDOOR AIR CONDITION UNIT 2 TONE
	INDOOR AIR CONDITION UNIT 2 TONE
	Tube LED lighting with 18 W
	CEILING MOUNTED LIGHTING with 18 W (Water Proof)
	New Fan
	Tube LED lighting with 2x 18 W
	Lighting Above the Mirror with 5 W
	Adding a new lighting with 18 W from the existing pool
	Remove the old fan then install a new one
	CEILING MOUNTED LIGHTING with 18 W



Air Conditioning
Air Conditioning
Sockets P1
Sockets P2
Sockets P3
Sockets P4
Lighting L1
Lighting L2
Lighting L3
Sockets P5
Spare




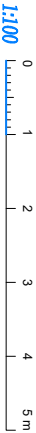
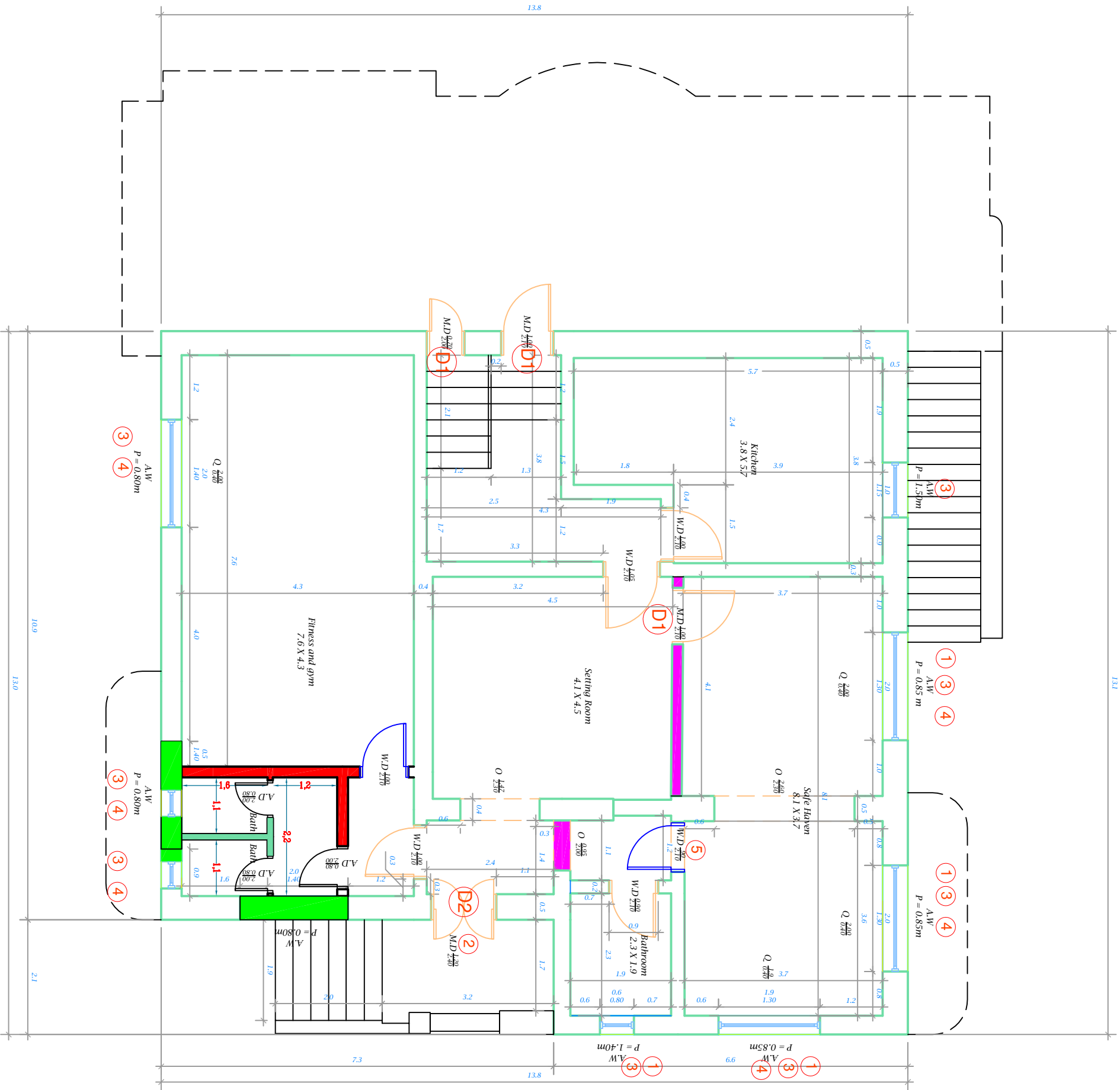
Drawing Title		Pedestrian Access Villa 1	
		Electrical Work	
Project Stage		Stage 1	
Size	A3		Drawing No.
		(30)	

Client	UNDP	 
Location	Al-Hodeida, Yemen	
Project	Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings	

Design

IGTIC engineering
Infront of IQRA College, Box : 16063 Haddah St. Sana'a, Yemen
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Web: www.igtic.com

 **IGTIC**
Engineering



1. Installation of armor windows as shown in detail 7.
2. Installation Metal plate above the armored door.
3. Installation of Metal grill for the windows. (Anti-Shatter Resistance Films) SRF, and Reinforce window frames Steel bolts (Hilti-rated) 12mm dia. And 120 mm length into concrete/stone wall each 20.
4. Installation of proper frames with polycarbonate for the Qamaria..
5. Make an opening for the door

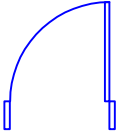
- D1 New metal door with 8 mm in both side. As shown (one leaf) in details 8
- D2 New metal door with 8 mm in both side. As shown (Two-leaf) in details 9

Closing the windows


New solid block wall with reinforced concrete bars.

New solid block wall.

New Wooden door



Client UNDP



Location Al-Hodeida, Yemen

Project Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings

Drawing Title Villa (2) Ground Floor (security work)


Project Stage	Stage 1
Scale	Size A3
Drawing No.	31

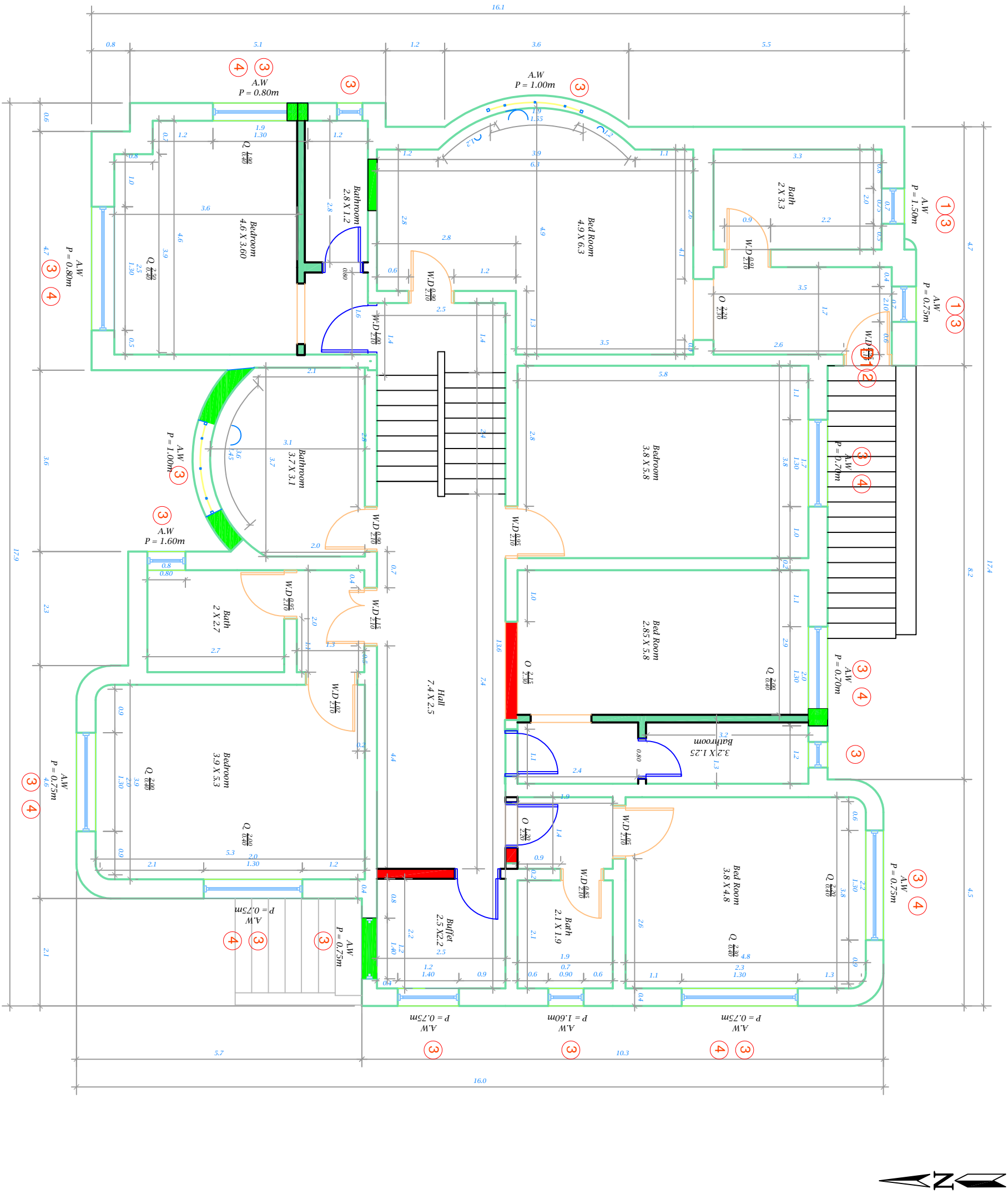
Design IGTC engineering

Infront of IQRA College, Box : 16063 Hadidan, Si. Saraba, Yemen

Tel : +967-1-413 371, Fax: +967-1-410 372

Web: www.igtc.com





1. Installation of armor windows as shown in detail 7.
2. Installation Metal plate above the armored door.
3. Installation of Metal grill for the windows. (Anti-Shatter Resistance Films) SRF, and Reinforce window frames Steel bolts (Hilti-rated) 12mm dia. And 120 mm length into concrete/stone wall each 20.
4. Installation of proper frames with polycarbonate for the Qamaria.

New solid block wall .

New solid block wall with reinforced concrete bars.

New metal door with 8 mm in both side. As shown in details 8

New Wooden door

Client UNDP



Location Al-Hodeida, Yemen

Project Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings

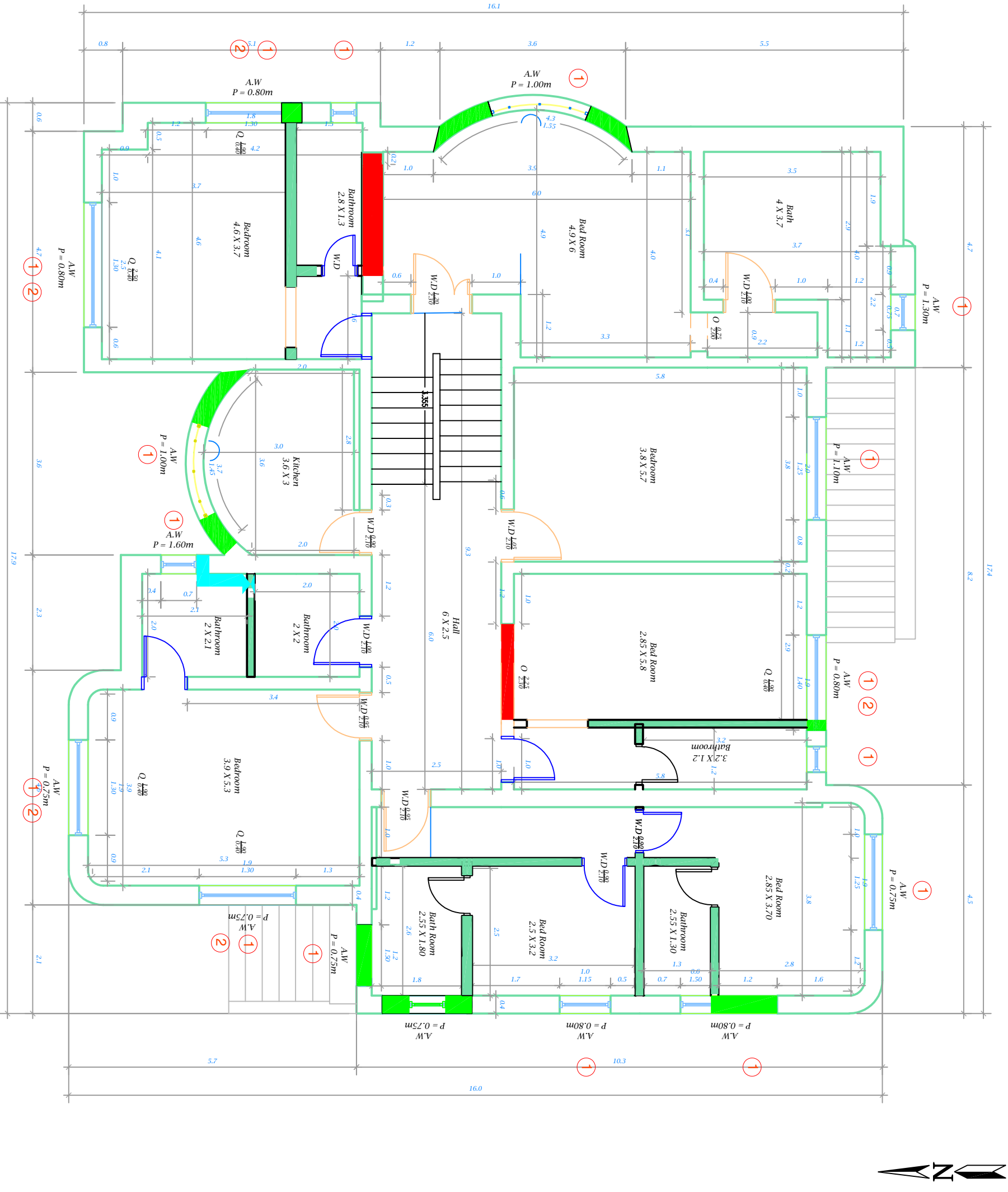
Drawing Title Villa (2) First Floor Security Work

Project Stage Stage 1

Scale Size A3 Drawing No. 32

Design IGTC engineering
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Tel : +967-1-413 371, Fax: +967-1-410 372
Web: www.igtc.com





1. Installation of (Anti-Shatter Resistance Films) SRF, and Reinforce window frames Steel bolts (Hilti-rated) 12mm dia. And 120 mm length into concrete/stone wall each 20.
2. Installation of proper frames with polycarbonate for the Qamaia.

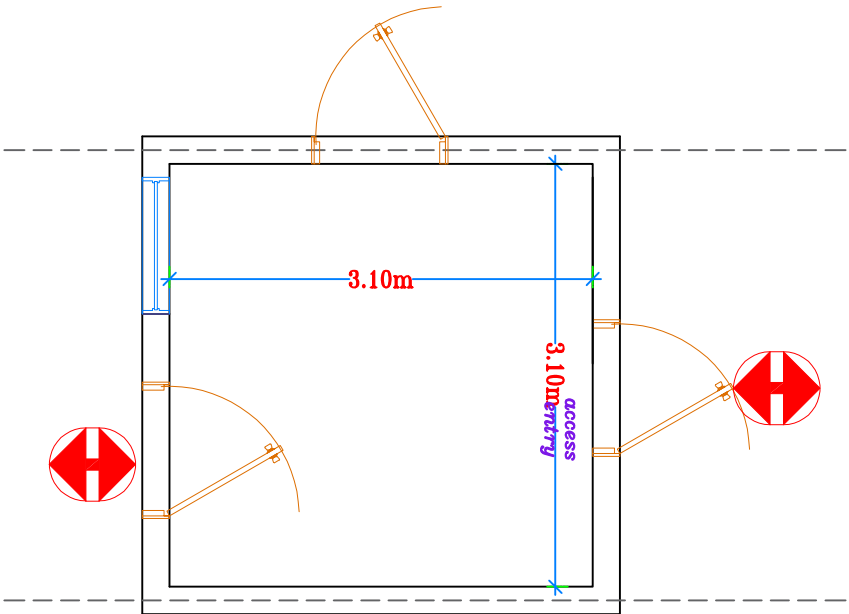


New solid block wall .

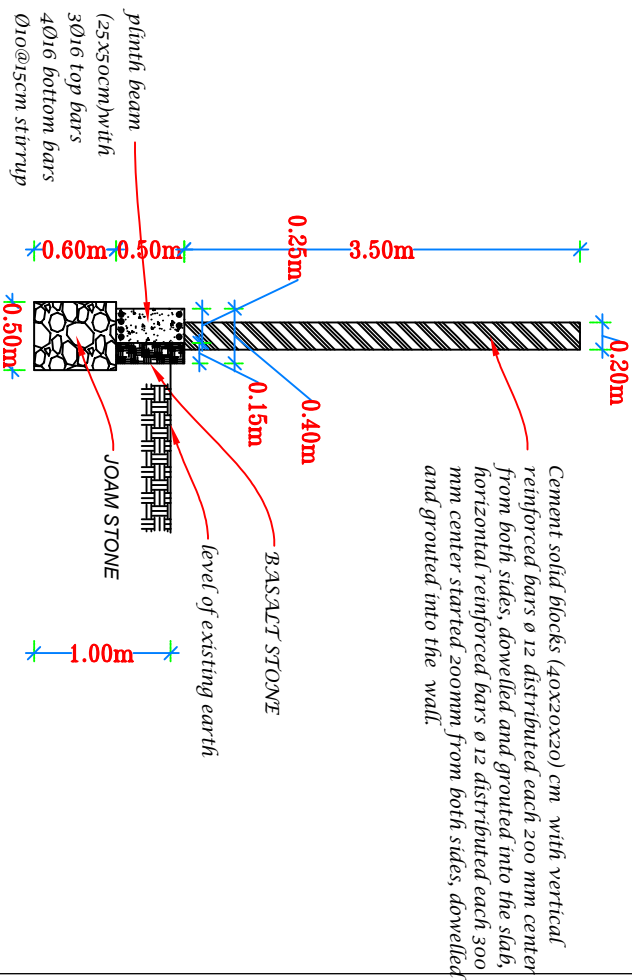
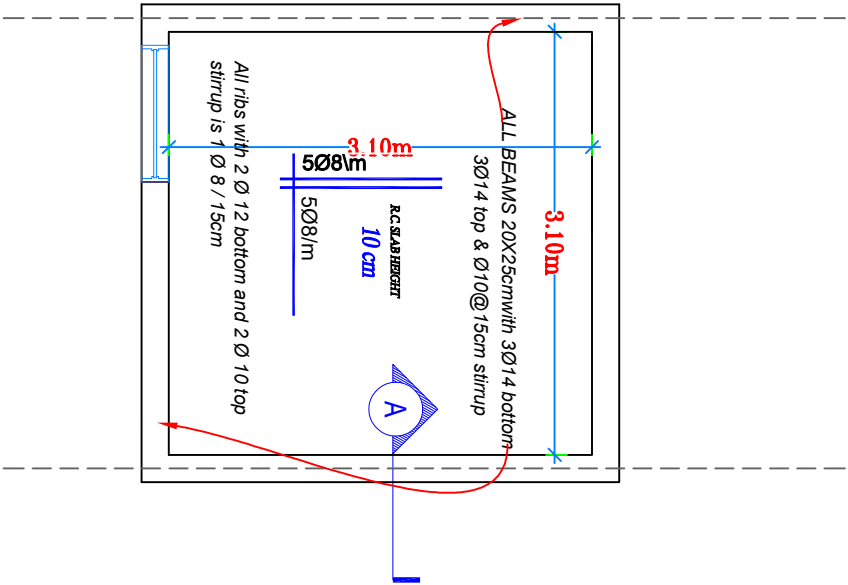
Client	UNDP
Location	Al-Hodeida, Yemen
Project	Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings

Drawing Title	Villa (2) Second Floor Security work
Project Stage	Stage 1
Scale	Size A3
Drawing No.	33

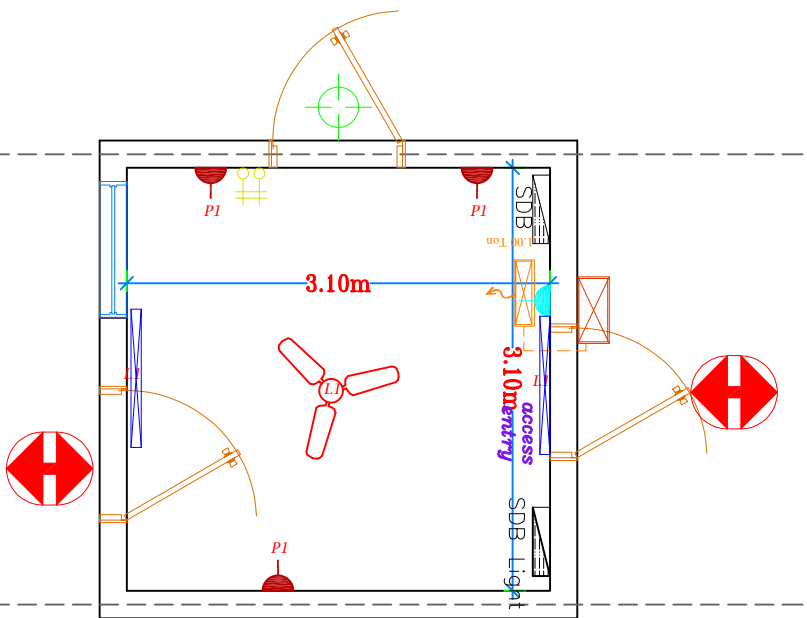




1 Pedestrian access control plan

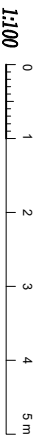


4 SECTION A-A



1 Pedestrian access control plan

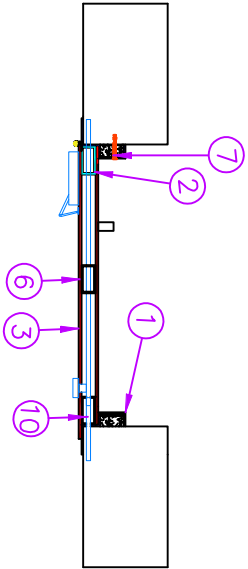
LIGHTING SWITCH	
TYPE	DESCRIPTION
	10A SINGLE GANG LIGHTING SWITCH.
	10A TWO & THREE GANG LIGHTING SWITCH.
	SUB-DISTRIBUTION BOARD.
	SUB-DISTRIBUTION BOARD For the perimeter lighting



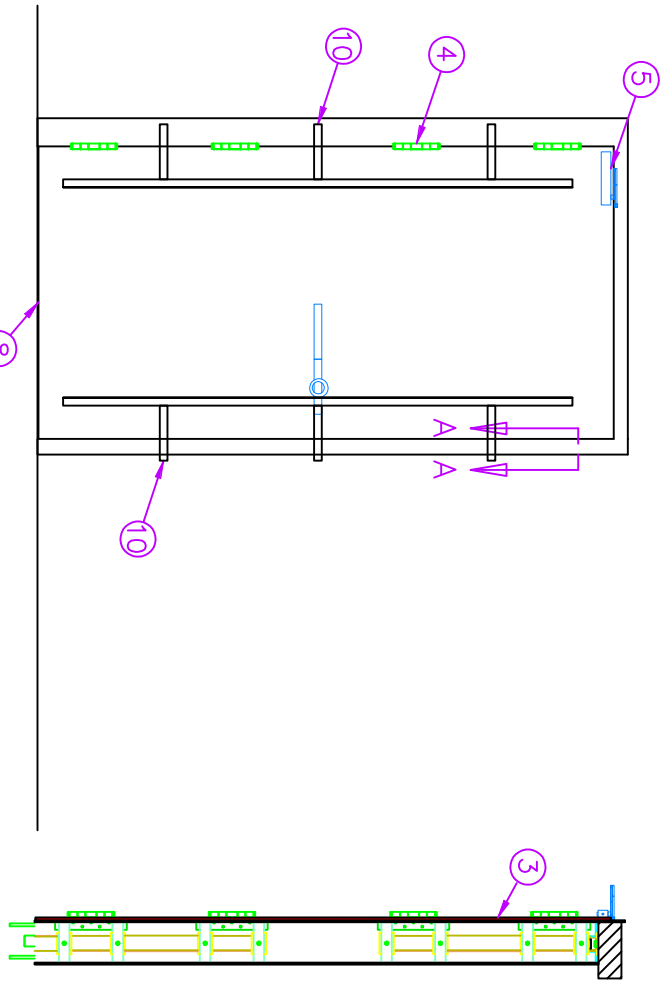
POWER OUTLET SYSTEM SYMBOL LEGEND	
TYPE	DESCRIPTION
	13 A 240V/50Hz +E SWITCHED POWER SOCKET OUTLET BRITISH STANDARD. New one for the AC with h = 2.20m
	16 A 240V/50Hz +E SWITCHED POWER SOCKET OUTLET BRITISH STANDARD. New one for the AC with h = 2.20m
	13 A 240V/50Hz +E SWITCHED POWER Double SOCKET OUTLET BRITISH STANDARD. New one with H= 30 cm
	13 A 240V/50Hz +E SWITCHED POWER SOCKET OUTLET BRITISH STANDARD. New one with H= 30 cm
	16 A 240V/50Hz +E SWITCHED POWER SOCKET OUTLET BRITISH STANDARD. New one with H= 1.20 cm water proof
	16 A 240V/50Hz +E SWITCHED POWER SOCKET OUTLET BRITISH STANDARD. New one with h = 0.30m
	13 A 240V/50Hz +E SWITCHED POWER SOCKET OUTLET BRITISH STANDARD. New one with h = 1.50m water proof
	20 A 240V/50Hz +E SWITCHED POWER SOCKET OUTLET BRITISH STANDARD. New one for the AC with h = 2.20m

SIGNAGE SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	OUTDOOR AIR CONDITION COOL AND HEAT
	INDOOR AIR CONDITION UNIT 2 TONE
	INDOOR AIR CONDITION UNIT 2 TONE
	Tube LED lighting with 18 W
	CEILING MOUNTED LIGHTING With 18 w (Water Proof)
	New Fan
	Tube LED lighting with 2x 18 W
	Lighting Above the Mirror with 5 w
	Adding a new lighting with 18 w from the existing point
	Remove the old fan then install a new one
	CEILING MOUNTED LIGHTING With 18 W

Client	UNDP	
Location	Al-Hodeida, Yemen	
Project	Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings	
Drawing Title	Pedestrian Access Villa 2 Plan	
Project Stage	Stage 1	
Size	A3	Drawing No. (40)
Design	IGTIC engineering Infront of IQRA College, Box : 16063 Haddan St, Sana'a, Yemen Tel : +967-1- 413 371, Fax: +967-1-410 372 Web: www.igtic.com	

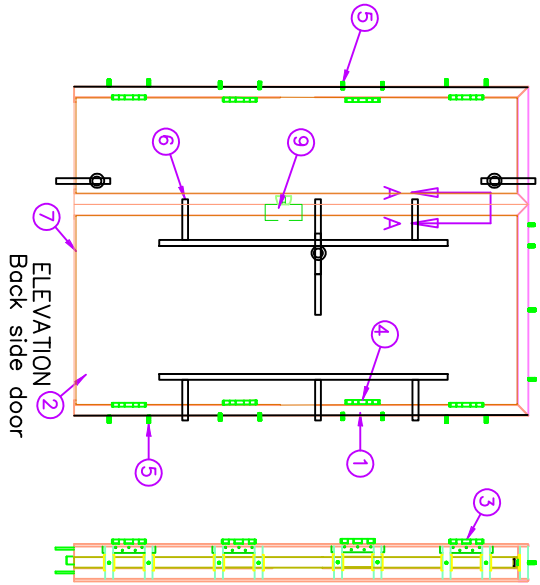


- 1-Blast-Resistant External Frame size 20 cm X10 X5mm X 2
2- Blast-Resistant Internal Frame size 50 X100 X3mm
3- Steel door full metal plate 8 mm two sides (16mm thickness)
4-45mm *150mm *8 Heavy Weight Hinge / Welded Knuckles
5- door closer
6-A Tube with size 50 mm *50 mm * 3 mm to distribute it each 40 cm horizontal and vertical.
7-Hex Bolt on Concrete Anchor size D 20mm* 20 cm * 6 in each direction
8-Floor Plate Thickness 6mm
9-Hole Plug – 1.25” Hole
10- Manual lock inside 3* 400mm*30mm *2 in both side.



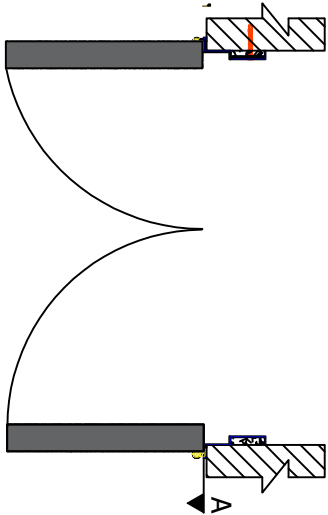
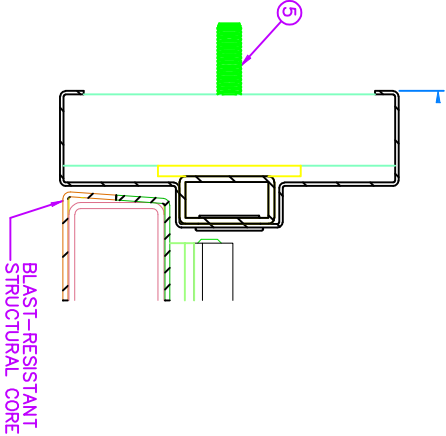
ELEVATION

SECTION A-A



- 1-Blast-Resistant External Frame size 20cm X10 X5mmx2
2- Blast-Resistant Internal Frame size 50 X100 X3mm
3- Steel door full metal plate 8mm two side 16 mm
4-Heavy Weight Hinges with Welded Knuckles 45mm *15 cm x4
5-Hex Bolt on Concrete Anchor size D 20mm* 20 cm* 6 in each direction
6-Manual lock and electrical inside 2 *400mm*30mm *2 in both side.
7- Flat-Head Concrete Anchor
9-mechanical locked.
10-Manual lock inside 5 with 40mm dia solid

SECTION A-A

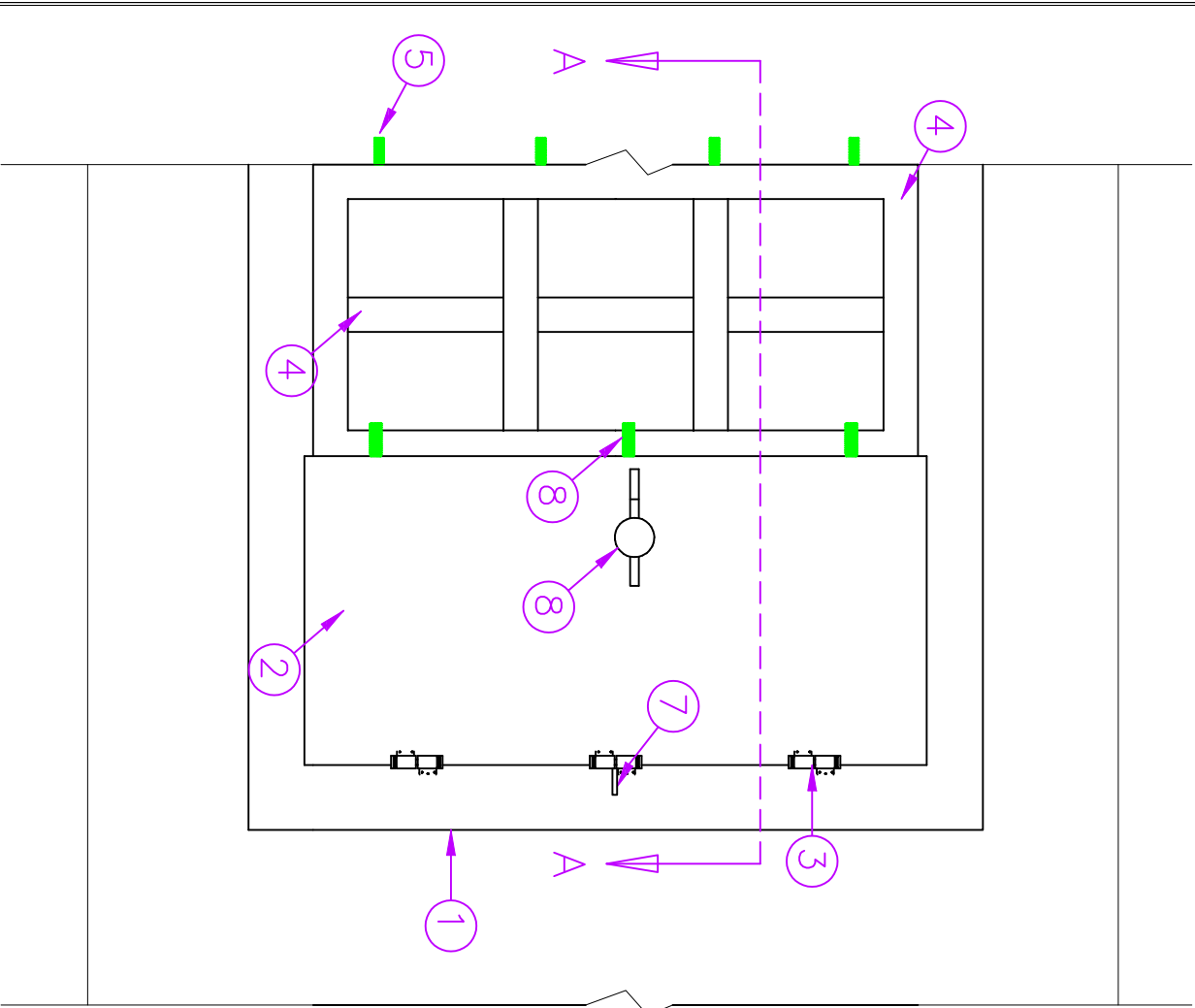


1:100 0 1 2 3 4 5 m



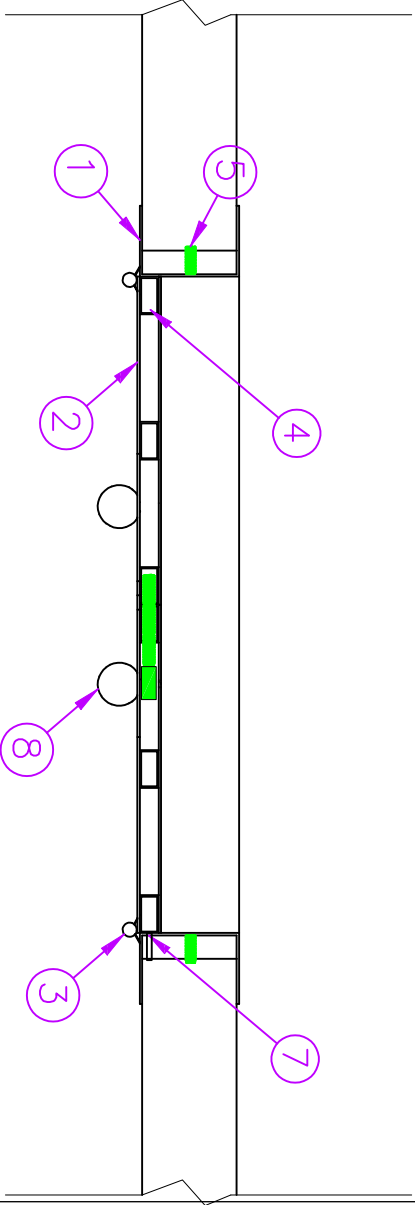
Client	UNDP
Location	Al-Hodeida, Yemen
Project	Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings

Drawing Title	Detail 9 and 8 for Doors		
Project Stage	Stage 1		
Size	A3	Drawing No.	42

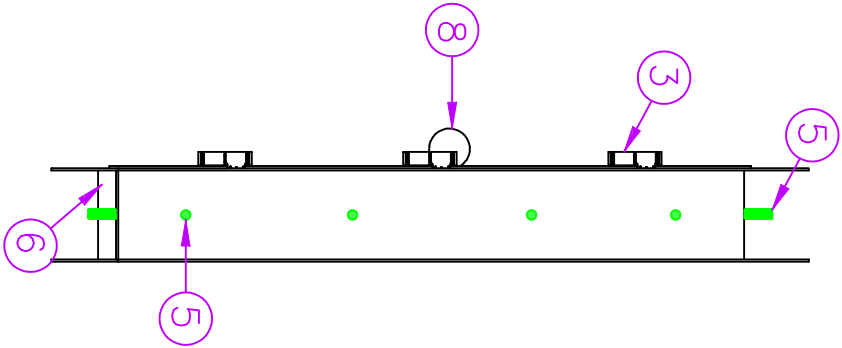


ELEVATION From Inside



- 1– Blast–Resistant Internal Frame size 10cm *20cm * 5 mm* 2.
- 2– Steel window full metal plate 8mm thickness two sides (16mm).
- 3–Three heavy Weight Hinges with Welded Knuckles with size D 45 mm *12 cm
- 4–Tube to fix plate on it with size 100 mm *50 mm * 3mm
- A Tube with size 50 mm *50 mm * 3 mm to distribute it each 40 cm horizontal and vertical.
- 5–Four Hex Bolt on Concrete Anchor for each side size D18mm* 18 cm.
- 6–Plate thickness 8mm under the window
- 7–three Hole Plug–in frame each side of the window – 35mm *45 mm and tow bar with 25 cm* 25 cm length 5 cm to be weld in the frame of the window
- 8–Manual lock inside 3 with 400 * 30 mm



SECTION A–A



1:100 0 1 2 3 4 5 m

Client					UNDP									
Location					Al-Hodeida, Yemen									
Project					Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings									
Drawing Title					Detail 7 Windows									
Project Stage					Stage 1									
Size					A3					Drawing No.				
										(43)				
Design					IGTIC engineering					Infront of IQRA College, Box : 16063 Haddan, Si. Saraba, Yemen				
										Tel : +967-1- 413 371, Fax: +967-1-410 372				
										Web: www.igtic.com				
														

1. Demolish work for the wall in order to make an opening on the wall.
2. Repainting in order to unite the color.
3. repainting for the ceiling.
4. Maintenance work for the existing bathroom include(Angle valves, retractable rose, stainless toilet paper holder, and shower head with handheld shower)
5. kitchen installation of suction fan

- D1** New metal door with 8 mm in both side. As shown (one leaf)in details 8
- D2** New metal door with 8 mm in both side. As shown (Two-leaf)in details 9

New solid block wall with reinforced concrete bars.

New solid block wall .

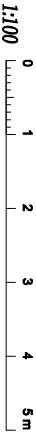
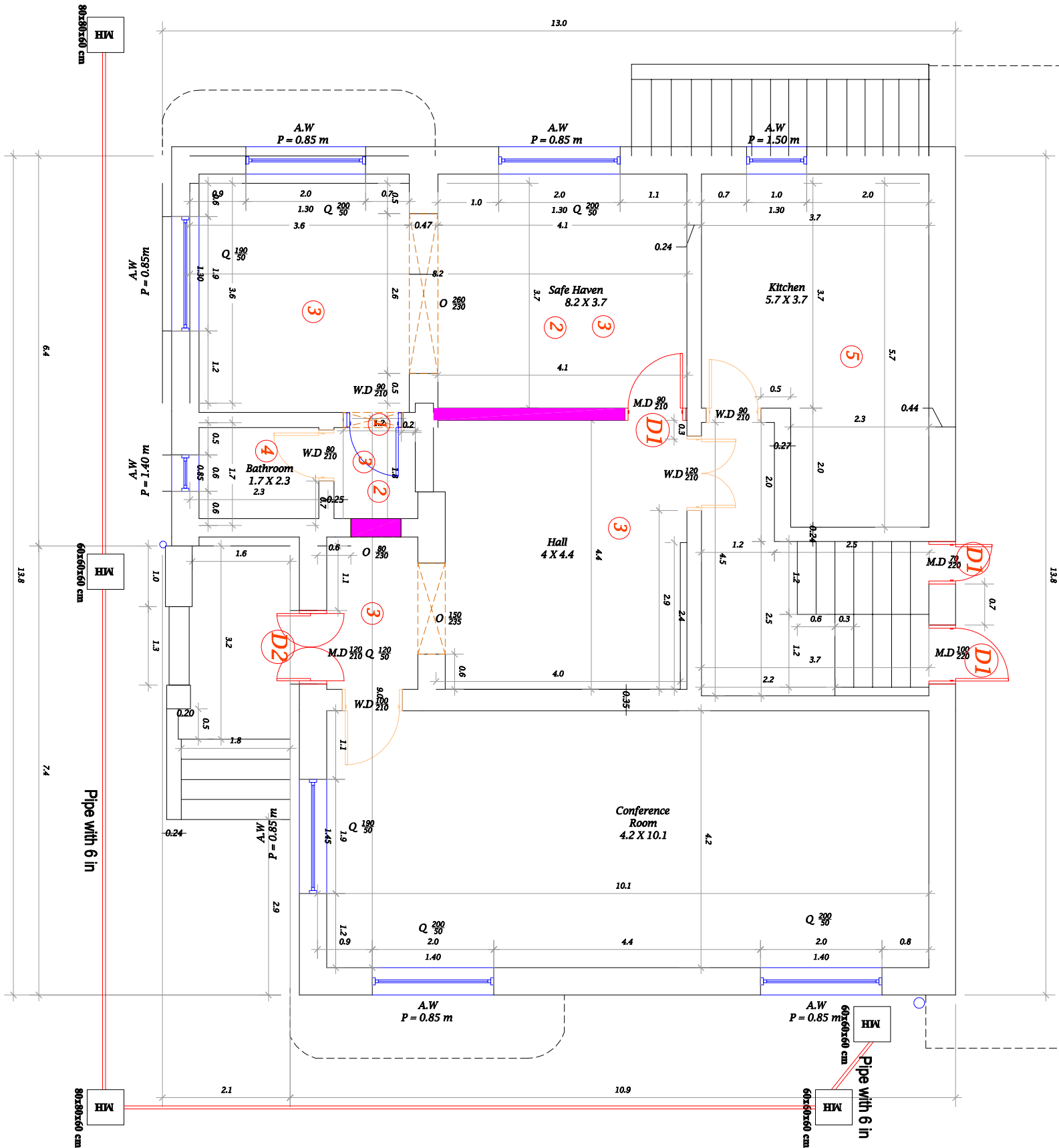
New Wooden door

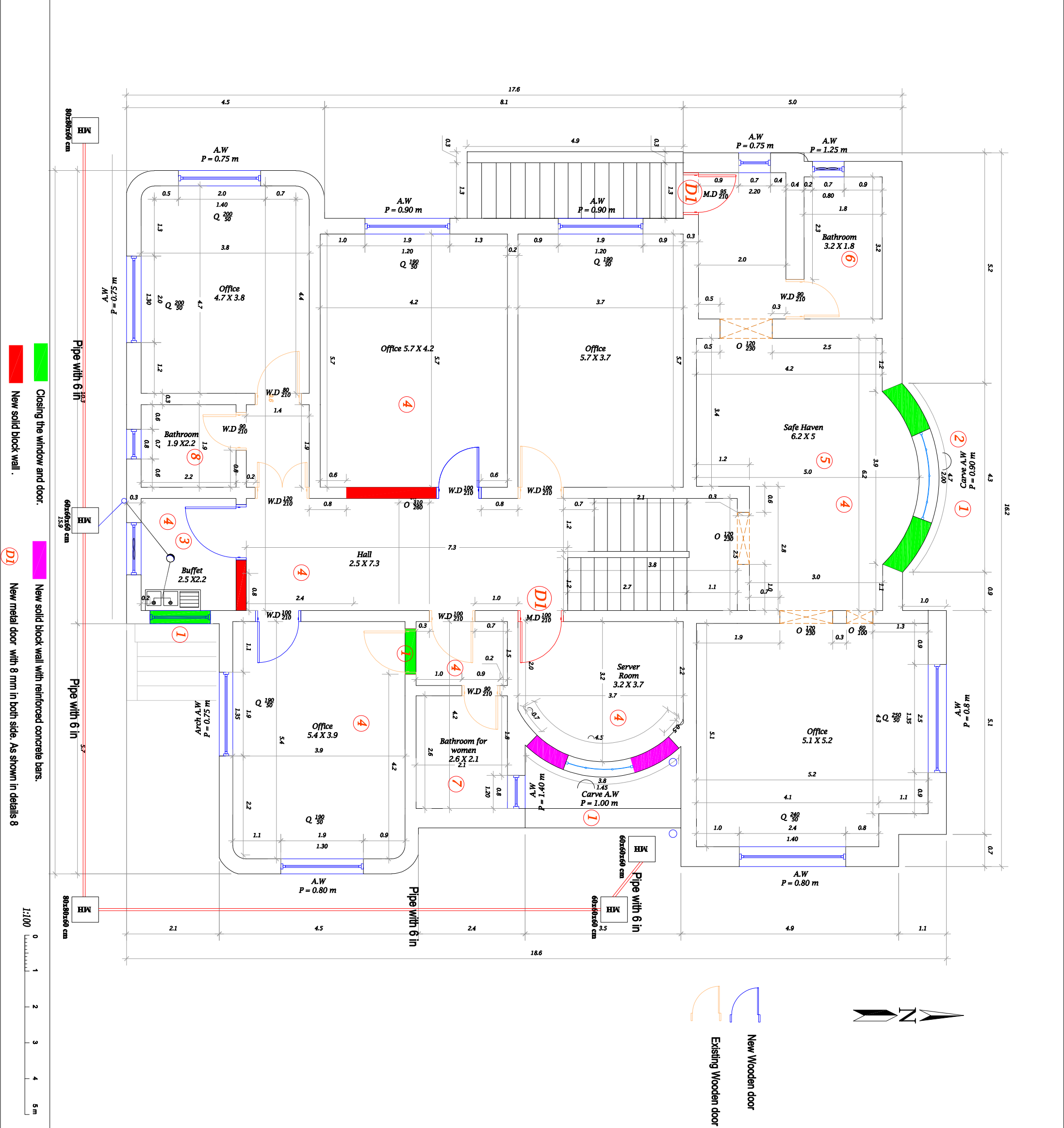
Existing Wooden door

Client	UNDP
Location	Al-Hodeida, Yemen
Project	Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings

















Drawing Title	Villa (I) Ground Floor (Civil work)
Project Stage	Stage 1
Scale	Size A3
Drawing No.	1

Design IGTC engineering
Infront of IQRA College, Box : 16063 Haddah St. Sana'a, Yemen
Tel : +967-1- 413 371, Fax: +967-1-410 372
Web: www.igtc.com






1. Removing Aluminum Windows and wooden door.
2. Installation of a new Aluminum windows.
3. Buffer work : demolition work for the tiles floor in order to install the new pipes for the buffet, and install a new Ceramic tiles for the floor and wall, install floor trap, sink, water mixer....etc.
4. repainting in order to unite the color.
5. repainting for the ceiling.
6. Maintenance work for the existing bathroom include(changing the western toilet and bidet, and installation of stainless toilet paper holder,water tap, installation mirror, maintenance for the bathtub, water stopper for the washing basin, cover for the floor trap)
7. Maintenance work for the existing bathroom include(maintenance for the bathtub, installation of water tap , shower head with mixer, handheld shower, suction fan, mirror, Water Sprayer and stainless toile paper holder, water stopper for the washing basin, cover for the floor trap).
8. Maintenance work for the existing bathroom include(maintenance for the bathtub, water tap , changing the western toilet, suction fan, stainless toile paper holder, water stopper for the washing basin, cover for the floor trap)

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	MANHOLE		NEW HAND-HELD SPRAYER
	MANHOLE		NEW PAPER TOILET HOLDER
	Washing Basin		water tap
	Shower tray		Floor trap
	Western toilet		Suction Fan
	Shower cabinet		Pipe with 2 in
			Pipe with 4 in
			Pipe with 6 in
			Shower
			Sink

Client UNDP



Location Al-Hodeida, Yemen

Project Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings


Drawing Title	Villa (I) First Floor
Project Stage	Stage 1
Scale	Size A3
	Drawing No.
	2

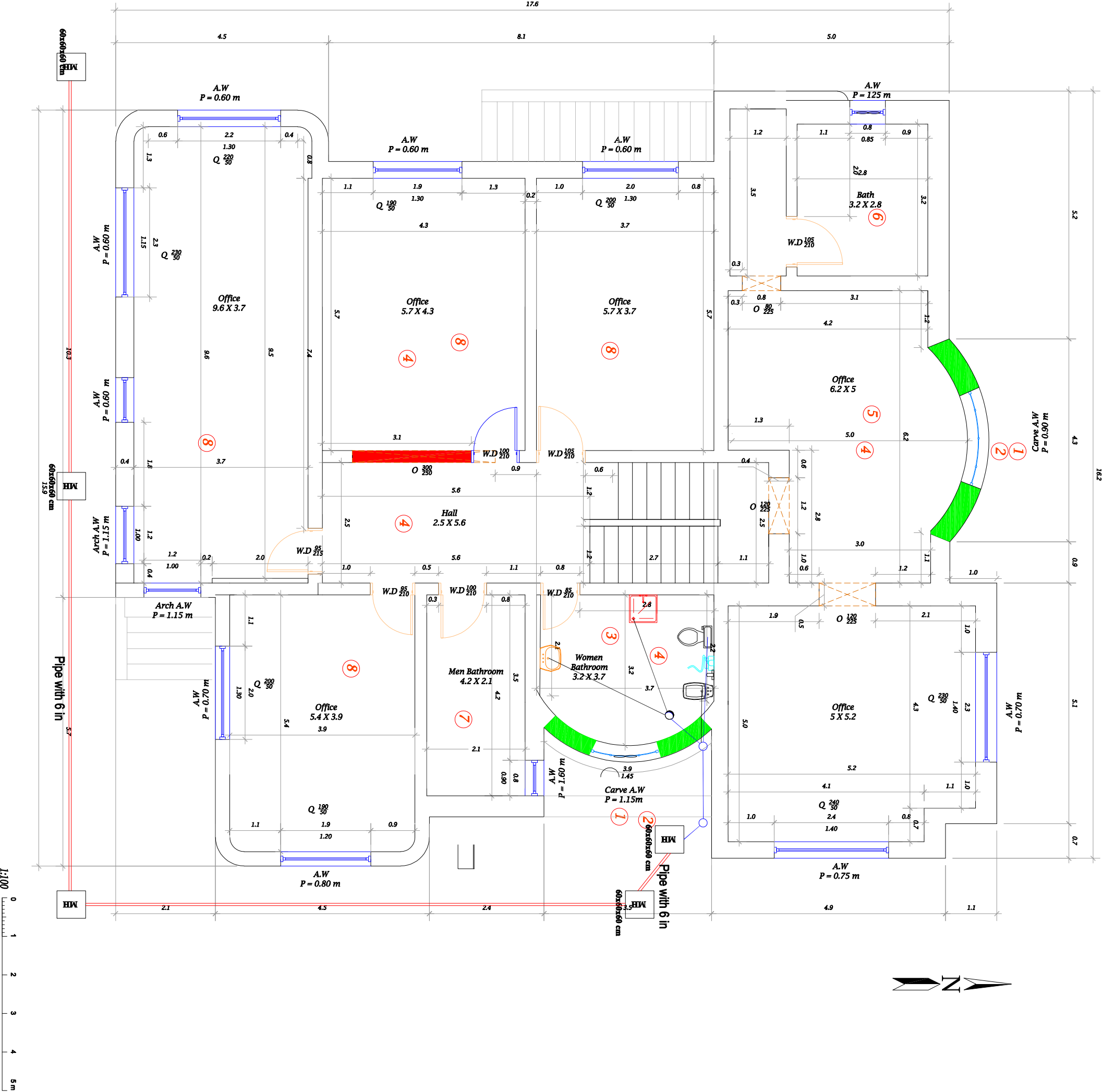
Design IGTC engineering

Infirmary of ICPC College, Box : 10003 Haddan St. Sana'a, Yemen

Tel : +967-1- 413 371, Fax: +967-1- 410 372

Web: www.igtc.com





1. Removing Aluminum Windows and wooden door.
2. Installation of a new Aluminum windows.
3. Change the existing kitchen to be bathroom : demolition work for the tiles floor in order to install the new sewage pipes, and install a new Ceramic tiles for the floor and wall, install floor trap, wash basin, water mixer, ...etc.
4. repainting in order to unite the color.
5. repainting for the ceiling.
6. Maintenance work for bathroom which includes/ maintenance for the bathtub, shower head with mixer and handheld shower, suction fan, and stainless toile paper holder, water stopper,... etc)
7. Installation of bedde, changing the squatting pan , installing water stopper for the washing basin, changing the angle valves with hose and install stainless toilet paper holder, maintenance for the shower tray, installation of suction fan, mirror, water stopper shower head with mixer and handheld shower).
8. Changing the existing Moscoso tiles with ceramic

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	MANHOLE		NEW HAND-HELD SPRAYER
	MANHOLE		NEW PAPER TOILET HOLDER
	Washing Basin		water tap
	Shower tray		Floor trap
	Western toilet		Suction Fan
	Shower cabinet		Pipe with 2 in
			Pipe with 4 in
			Pipe with 6 in
			Shower
			Sink

Client UNDP



Location Al-Hodeida, Yemen

Project Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings

Drawing Title Villa (I) Second Floor Civil work

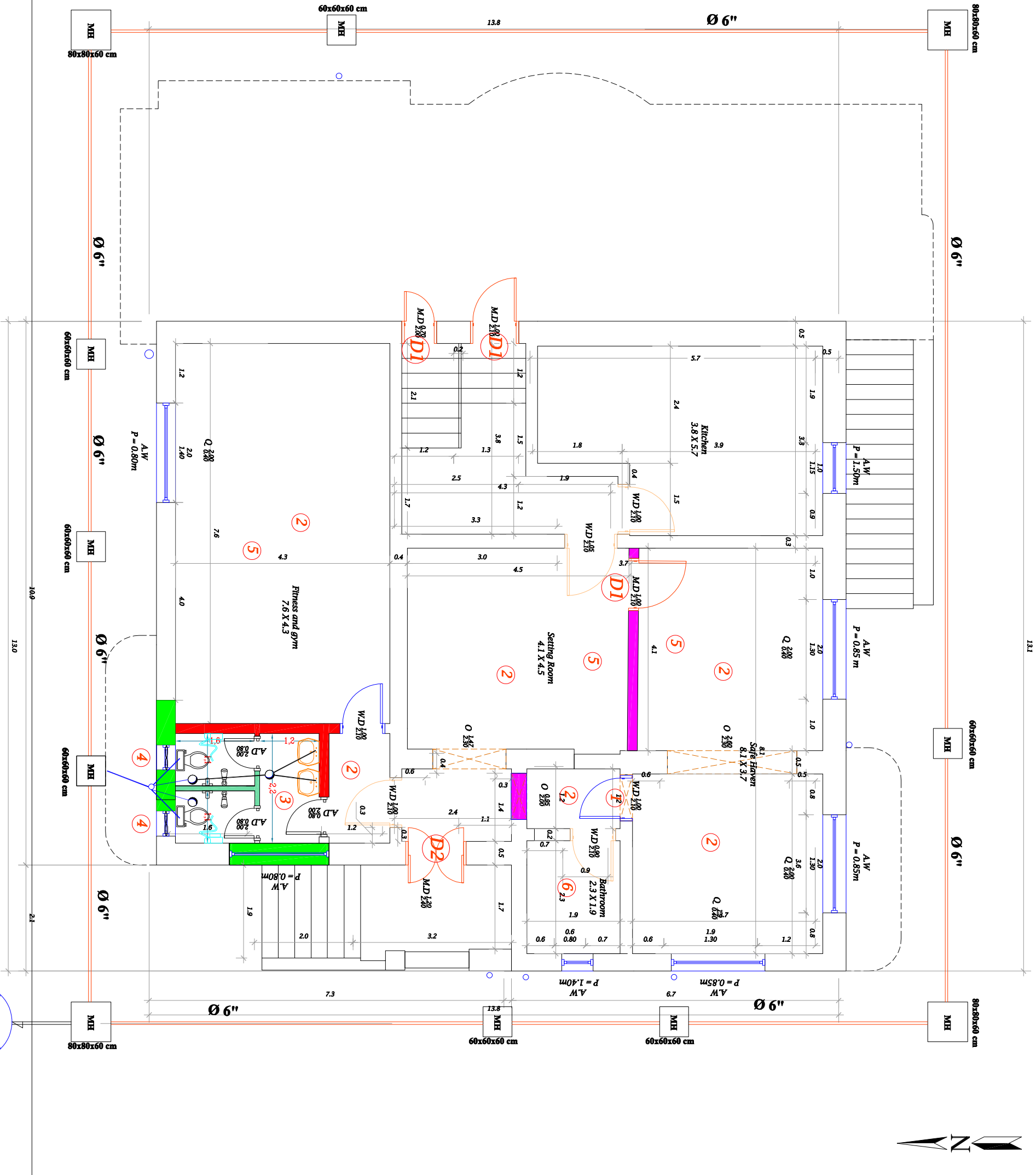
Project Stage Stage 1

Scale Size A3 Drawing No. 3

















Design IGTC engineering








Intant of ICPC College, Box : 10093 Haddan St. Sana'a, Yemen
Tel : +967-1- 413 371, Fax: +967-1-410 372
Web: www.igtc.com






1. Demolish work for the wall in order to make an opening on the wall.
2. Repainting in order to unite the color.
3. Adding two bathrooms includes demolition work for the tiles floor in order to install the new sewage pipes, canceling the old socket, and install a new Ceramic tiles for the floor and wall, install floor trap, wash basin, water mixer, shower, western toilet...etc.
4. Adding Aluminum windows.
5. Ceiling repainting.
6. Maintenance for the bathroom includes (changing the western toilet and squatting pan , and installing water stopper for the washing basin and Stainless Toilet Paper Holder, suction fan, shower with its mixer)

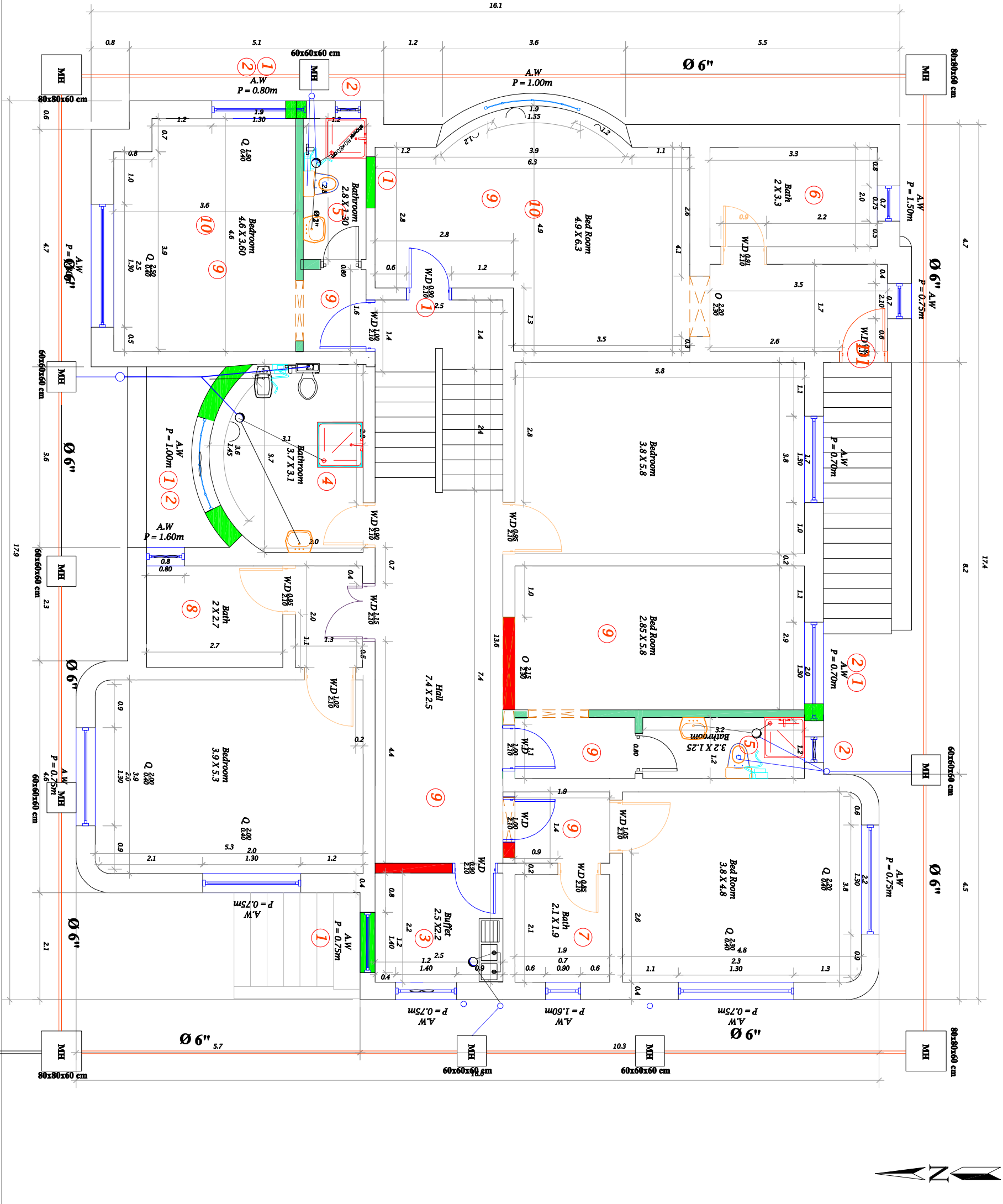
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	MANHOLE		NEW HAND-HELD SPRAYER
	MANHOLE		NEW PAPER TOILET HOLDER
	Washing Basin		water tap
	Shower tray		Floor trap
	Western toilet		Suction Fan
	Shower cabinet		Pipe with 2 in
			Pipe with 4 in
			Pipe with 6 in
			Shower
			Sink

-  CLOSED WINDOW
-  New solid block wall with reinforced concrete bars.
-  New solid block wall (size 40*20*20)
-  New Wooden door
-  Existing Wooden door
-  New Aluminum door
-  New solid block wall (size 40*15*20)

Client	UNDP	
Location	Al-Hodeide, Yemen	
Project	Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings	
Drawing Title	Villa (2) Ground Floor (Civil work)	
Project Stage	Stage 1	
Scale	Size A3	Drawing No. 4

Design
IGTIC engineering
Infront of ICPEA College, Box : 10063 Haddan St. Sana'a, Yemen
Tel : +967-1- 413 371, Fax: +967-1- 410 372
Web: www.igtic.com





















1. Removing Aluminium Windows and wooden door.
2. Installation of a new Aluminium windows.
3. Buffer work : demolition work for the tiles floor in order to install the new pipes for the buffet and install a new Ceramic tiles for the floor and wall, install floor trap, wash basin, water mixer, shower, western toilet, suction fan,...etc.
4. Change the existing kitchen to be bathroom : demolition work for the tiles floor in order to install the new sewage pipes, and install a new Ceramic tiles for the floor and wall, install floor trap, wash basin, shower cabinet, water mixer,etc.
5. Adding two bathrooms includes demolition work for the tiles floor in order to install the new sewage pipes, and install a new Ceramic tiles for the floor and wall, install floor trap, wash basin, shower cabinet, water mixer,etc.
6. Maintenance for the bathroom includes! installation of water stopper for the washing basin, suction fan and floor tarp cover toilet paper holder, maintenance for the bathtub, and changing the retractable hose of washing basin with angel valves with its hose, Shower head with mixer and handheld shower).
7. Maintenance for the bathroom includes! (changing the western toilet , and installing water tap, water stopper for the washing basin and stainless toilet paper holder, suction fan and floor tarp cover, and changing the retractable hose of washing basin with angel valves with its hose, Shower head with mixer and handheld shower).
8. Maintenance for the bathroom includes! (installing water tap, water stopper for the washing basin and stainless toilet paper holder, suction fan and floor tarp cover, and changing the retractable hose of washing basin with angel valves with its hose, Shower head with mixer and handheld shower).
9. Re-painting in order to unite the color.
10. Re-painting for the ceiling

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	MANHOLE		NEW HAND-HELD SPRAYER
	MANHOLE		NEW PAPER TOILET HOLDER
	Washing Basin		water tap
	Shower tray		Floor trap
	Western toilet		Suction Fan
	Shower cabinet		Pipe with 2 in
			Pipe with 4 in
			Pipe with 6 in
			Shower
			Sink



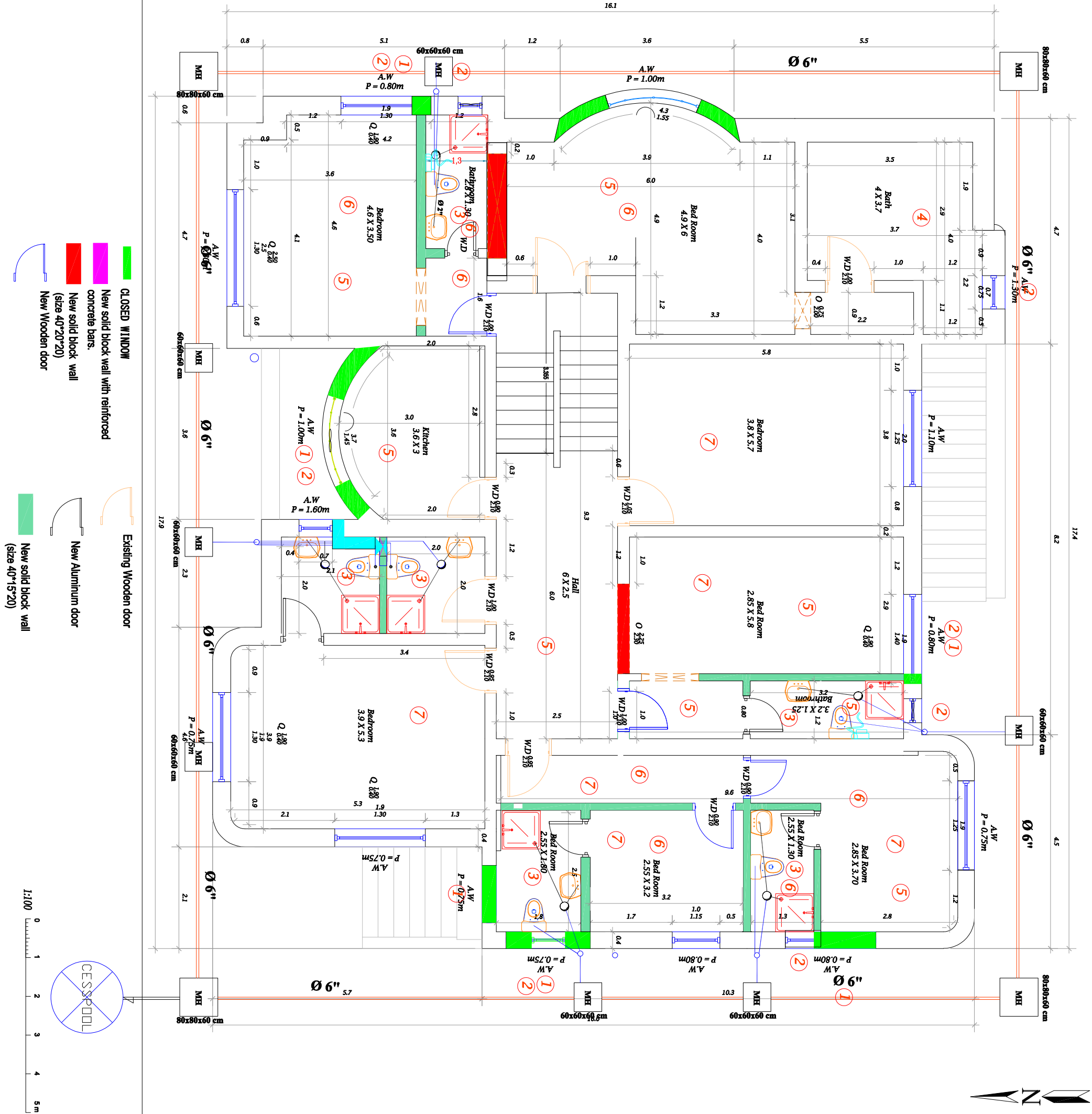
Client	UNDP
Location	Al-Hodeide, Yemen
Project	Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings
Drawing Title	Villa (2) First Floor Civil work
Project Stage	Stage 1
Scale	Size A3
Drawing No.	5

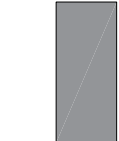
1. Removing Aluminum Windows and wooden door.
2. Installation of a new Aluminum windows.
3. Adding two bathrooms includes demolition work for the tiles floor in order to install the new sewage pipes, and install a new Ceramic tiles for the floor and wall, install floor trap, wash basin, water mixer, shower, western toilet, suction fan,...etc.
4. Maintenance for the bathroom includes(installation of water stopper for the washing basin, suction fan and, angle valves, water tap, bidet, toilet paper holder, maintenance for the bathtub, shower mixer).
5. Repairing in order to unite the color.
6. Repairing the ceiling.
7. Changing the existing Mosaic tiles with ceramic

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	MANHOLE		NEW HAND-HELD SPRAYER
	MANHOLE		NEW PAPER TOILET HOLDER
	Washing Basin		water tap
	Shower tray		Floor trap
	Western toilet		Suction Fan
	Shower cabinet		Pipe with 2 in
			Pipe with 4 in
			Pipe with 6 in
			Shower
			Sink



















Location	Al-Hodeide, Yemen		
Project	Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings		
Drawing Title	Villa (2) Second Floor		
Project Stage	Stage 1	Drawing No.	6
Scale	Size A3		





Demolition work for the tiles, installation of termites repellent, installation of the new sewage pipes with slope and manholes

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	MANHOLE		NEW HAND-HELD SPRAYER
	MANHOLE		NEW PAPER TOILET HOLDER
	Washing Basin		water tap
	Shower tray		Floor trap
	Western toilet		Suction Fan
	Shower cabinet		Pipe with 2 in
			Pipe with 4 in
			Pipe with 6 in
			Shower
			Sink

Client

UNDP



Location

Al-Hodeida, Yemen

Project

Security Enhancement, Civil and Electrical Work for UNDP Accommodation and Office Buildings

Drawing Title

Civil Work on Site of Villa 2

Project Stage

Stage 1

Scale

Size A3

Drawing No.

7

Design

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