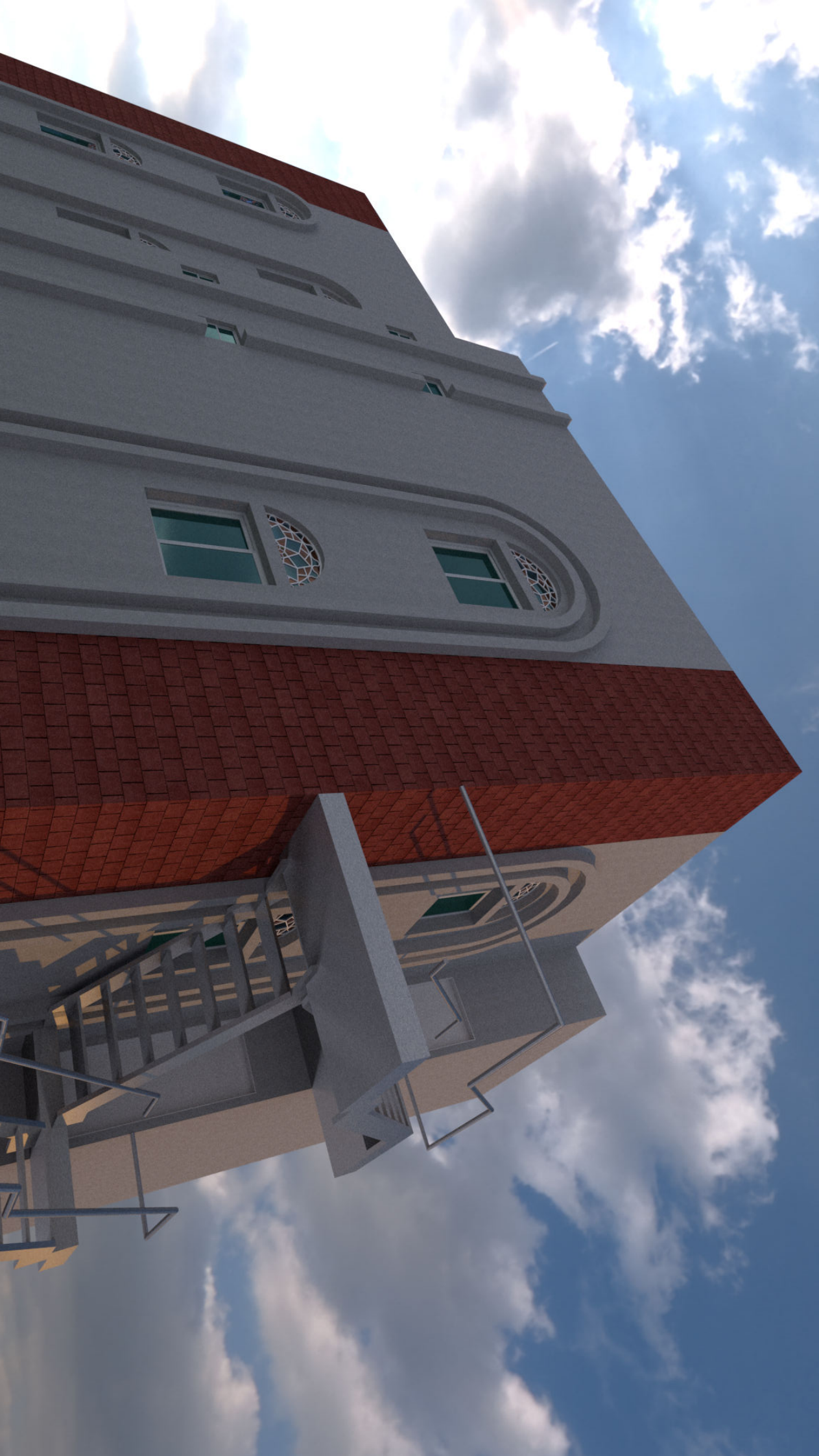
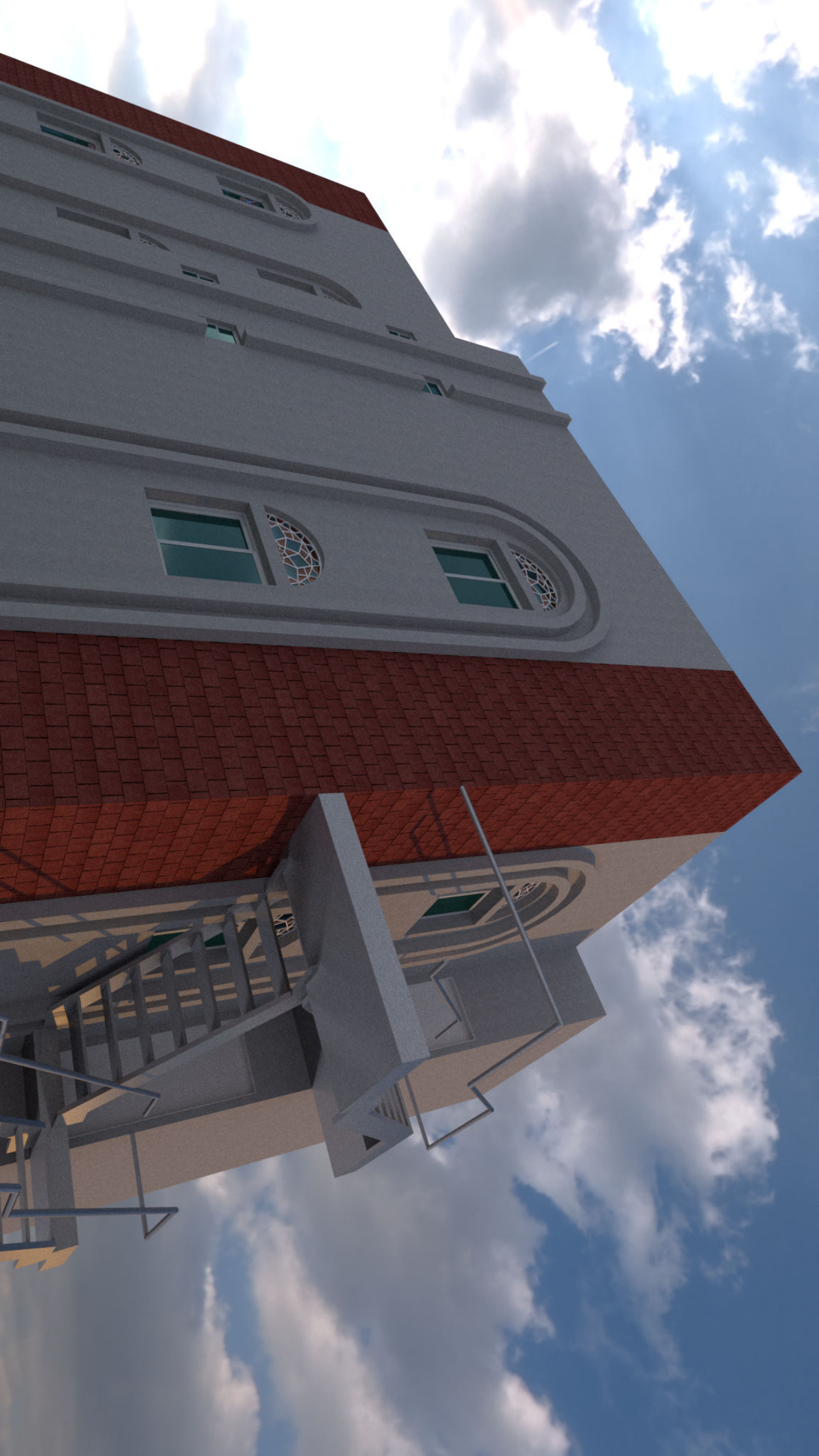
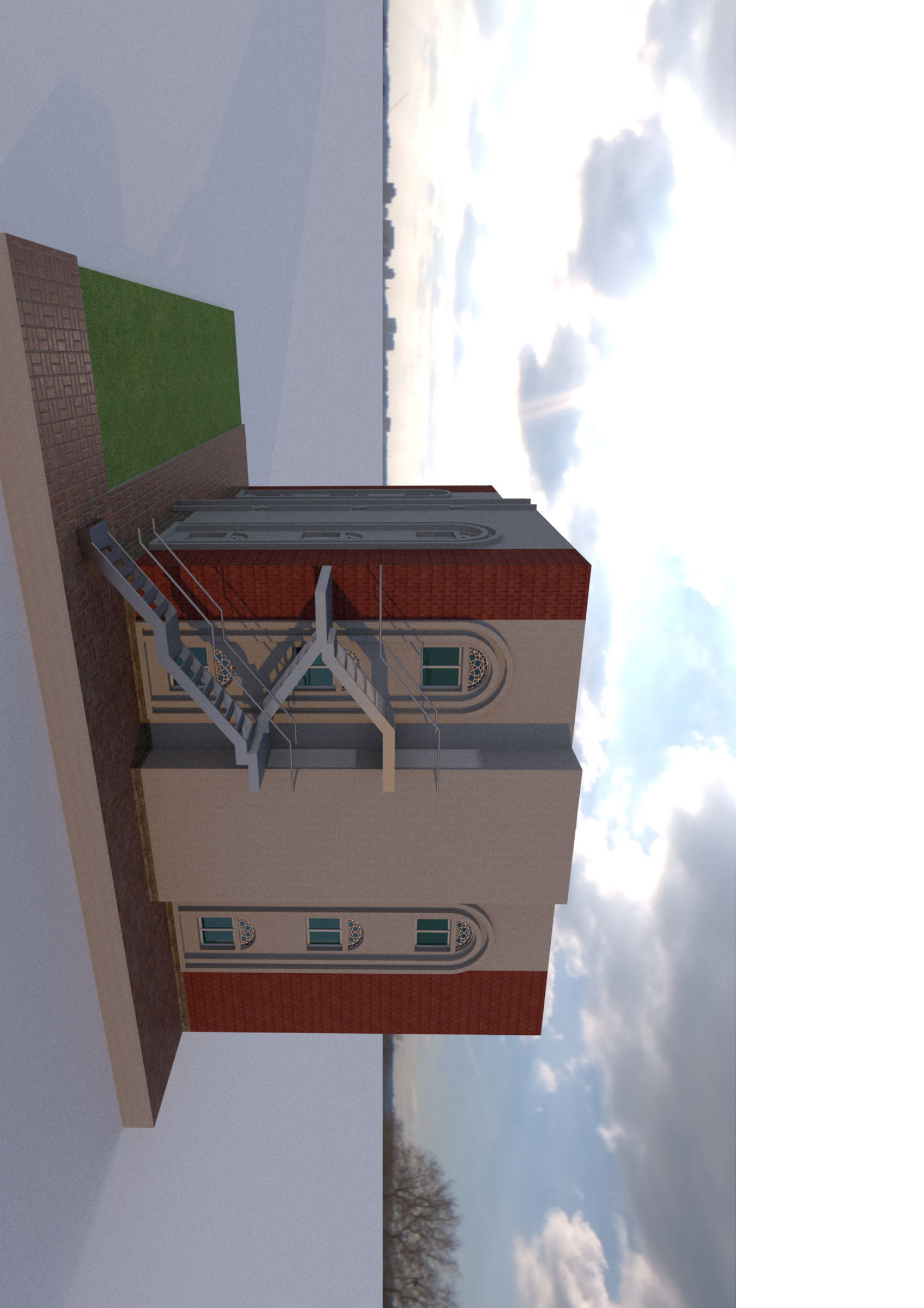






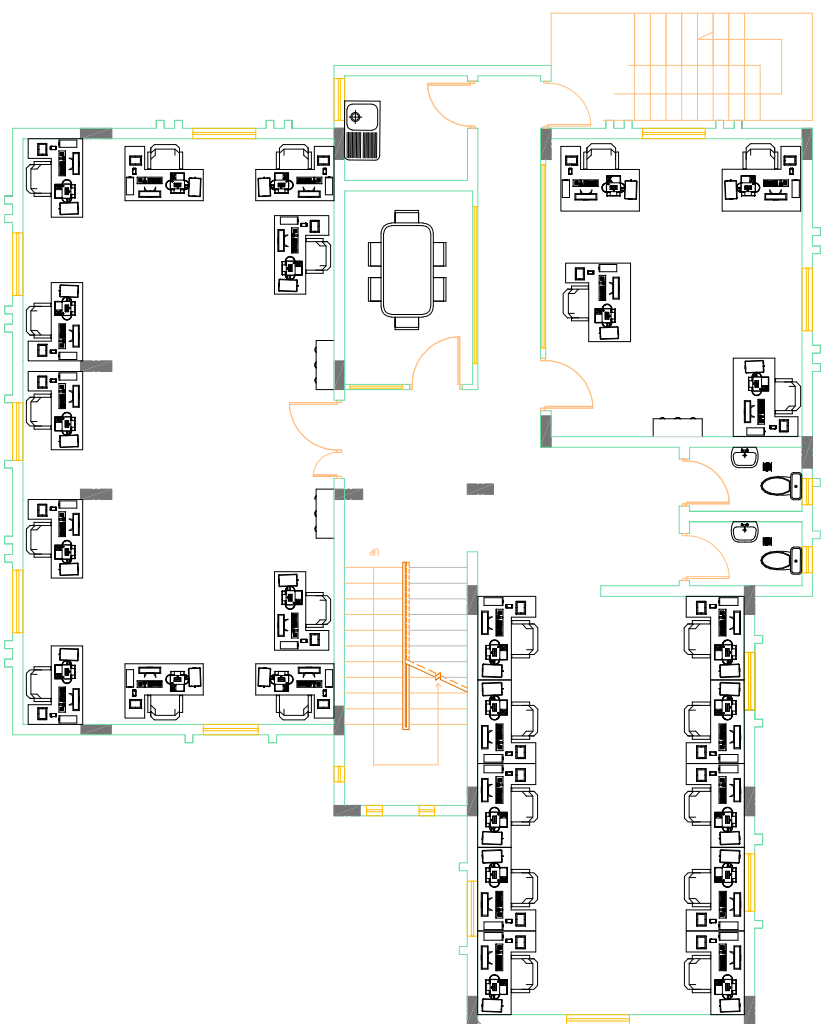












PROJECT :

Construction work for the third floor in OCHA office

OWNER :

OCHA

Designed By:

IGTIC Engineering

TITLE :

Furniture plan

Issued By:
IGTIC Engineering

Sheet No: 481 Scale: 1:100 Date: 26/7/2018



Schedule of Doors

Symbol	Specification	Width	Height	Number	Notes
D1	Swivel glass door	1.00m	2.20m	2	Office and Meeting room
D2	Wooden door	0.90m	2.20m	3	Bedroom and Kitchen
D3	Metal door	0.90m	2.20m	1	Emergency Exit
D4	Wooden door	1.50m	2.20m	1	Office

Schedule of Windows

Symbol	Specification	Width	Height	Number	Notes	
W1	Aluminum frame sliding window, double glass form with all necessary accessories	1.20m	1.00m	0.50m	6	Offices
W2	Aluminum frame sliding window, double glass form with all necessary accessories	1.10m	1.00m	0.50m	2	
W3	Aluminum frame sliding window, double glass form with all necessary accessories	1.05m	1.05m	0.50m	2	Office
W4	Aluminum frame sliding window, double glass form with all necessary accessories	1.10m	1.05m	0.50m	1	Office
W5	Aluminum frame sliding window, double glass form with all necessary accessories	0.80m	0.80m	1.00m	1	Kitchen
W6	Aluminum frame sliding window, double glass form with all necessary accessories	0.50m	0.50m	1.70m	2	Bedrooms
W7	Fixed aluminum frame window, double glass form with all necessary accessories	0.30m	2.00m	1.50m	3	Stairs

PROJECT :

Construction work for the third floor in OCHA office

OWNER :

OCHA

Designed By:

IGTIC Engineering

TITLE :

plan

Drawing By:

IGTIC Engineering

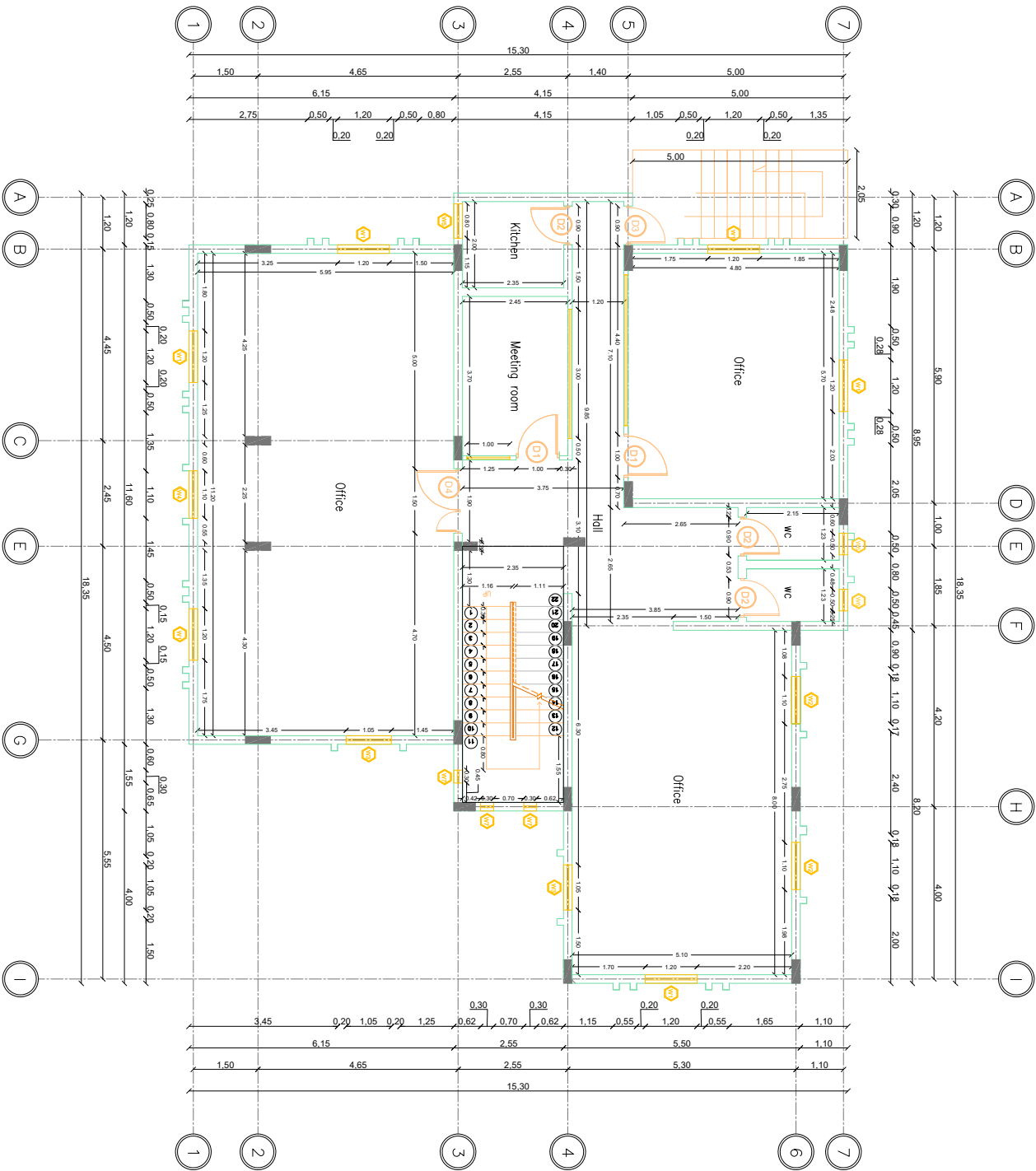
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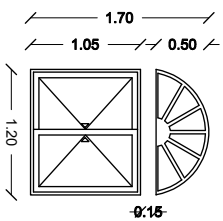
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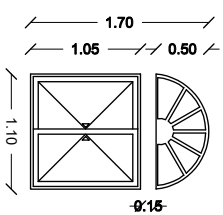
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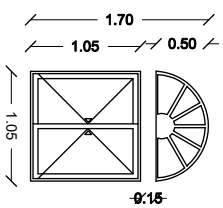




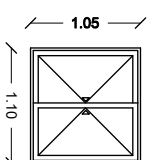
W1



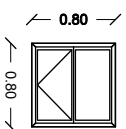
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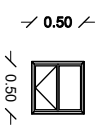
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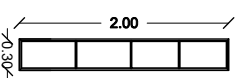
W4



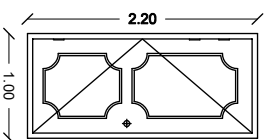
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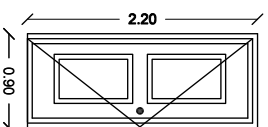
W6



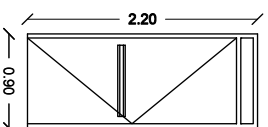
W7



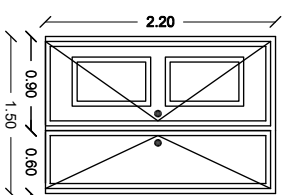
D1



D2



D3



D4

PROJECT :

Construction work for the third floor in OCHA office

OWNER :

OCHA

Designed By:

IGTIC Engineering

Drawing name:

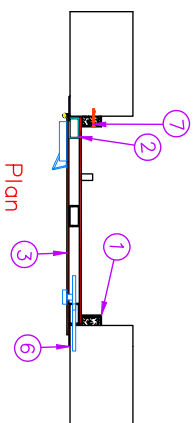
Detailing for the doors and windows

Drawing By:
IGTIC Engineering

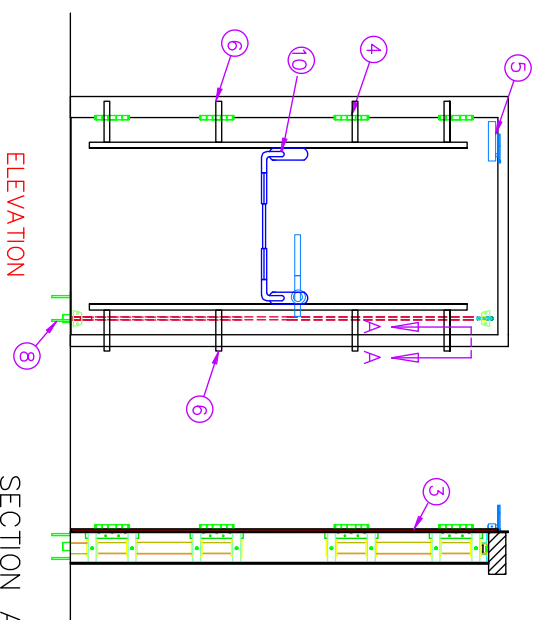
Sheet No: 480

Scale:
1:50

Date :
18/7/2018



- 1-Blast-Resistant External Frame size 20 cm X10 X3mm 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 *170m *4 Heavy Weight Hinge / Welded Knuckles
- 5- door closer
- 6-Surface-Mount 3-pt Blast-Resistant Hardware
- 7-Hex Bolt or Concrete Anchor size 25 cm
- 8-Floor Plate Thickness 6mm
- 9-Hole Plug – 1.25” Hole
- 10- emergency lock



RC6

SECTION A-A



PROJECT : Construction work for the third floor in OCHA office

OWNER : OCHA

Designed By: IGTC Engineering

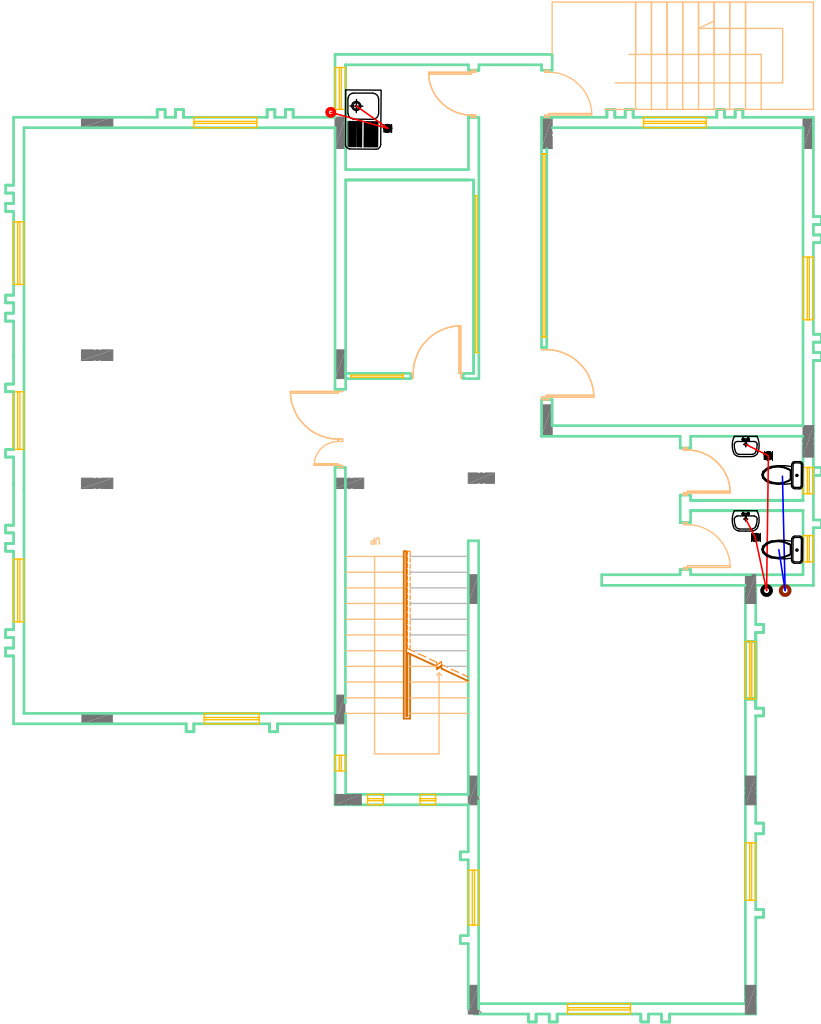
TITLE : Door Details

Issued By: IGTC Engineering

Sheet No: 404 Scale: 1:100 Date:



Symbol	Specification
	Vertical pipe 4(in)
	Vertical pipe 2(in)
	Floor trap 15cm x 15cm
	Horizontal pipe 2(in)
	Horizontal pipe 4(in)
	Water toilet
	Wash hand basin
	Sink



PROJECT :

Construction work for the third floor in OCHA office

OWNER :

OCHA

Designed By:

IGTIC Engineering

TITLE :

Sanitation

Drawing By:

IGTIC Engineering

Sheet No:

489

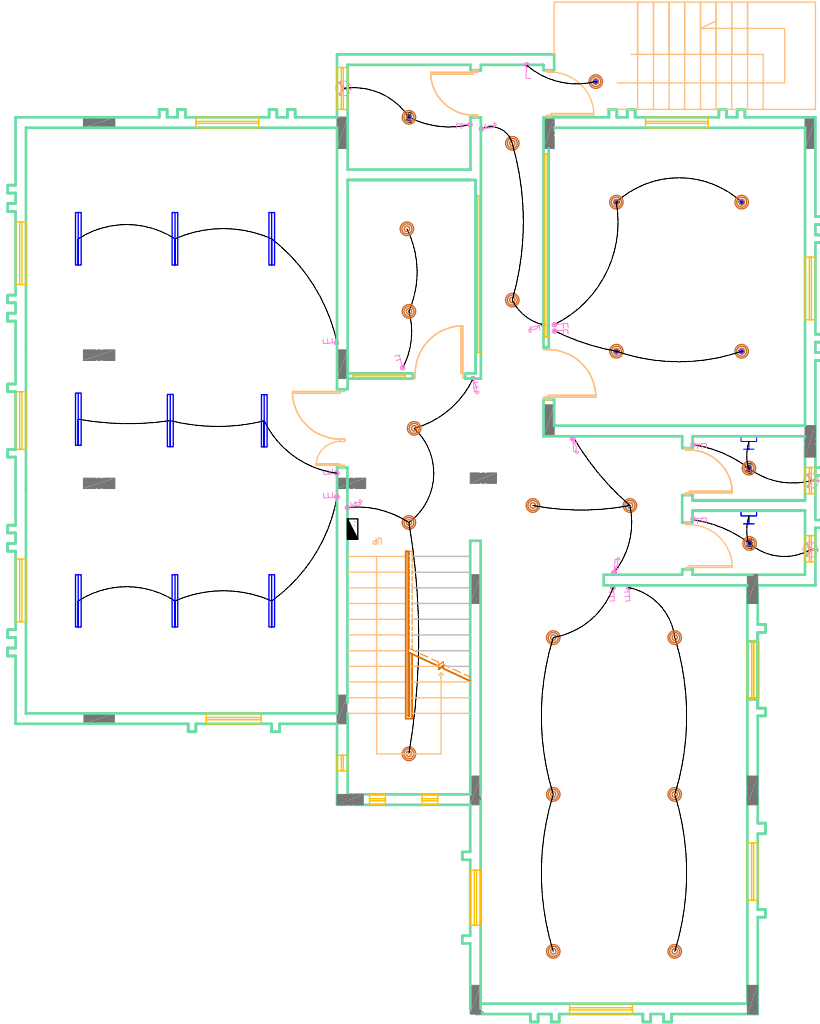
Scale:

1:100

Date :



Symbol	Specification
	Surface mounted lighting fixture with (250 W) fluorescent
	Surface mounted lighting fixture with (150 W) fluorescent
	Surface mounted lighting fixture with (75 W) fluorescent
	Above ceiling lighting luminaires with (1 x 12 watt) fluorescent
	Section line
	Three pole two-way switches
	Two pole two-way switches
	Telephone socket
	Main distribution board for the three phase
	Sub-distribution box for telephone
	Single pole one-way switch
	Two pole one-way switch
	Three pole one-way switch
	Two Phase/Three Phase Socket (13A-200V)
	Two Isolating Duplex Socket (13A-200V)
	Two Pole + Earthing Single Socket Water Proof (20A-220V) with 1.5 m luminaire 110V/220Vmm
	Water Meter Socket (13A-200V)



PROJECT :

Construction work for the third floor in OCHA office

OWNER :

OCHA

Designed By:

IGTIC Engineering

TITLE :

Electrical plan

Issued By:

IGTIC Engineering

Sheet No:

489

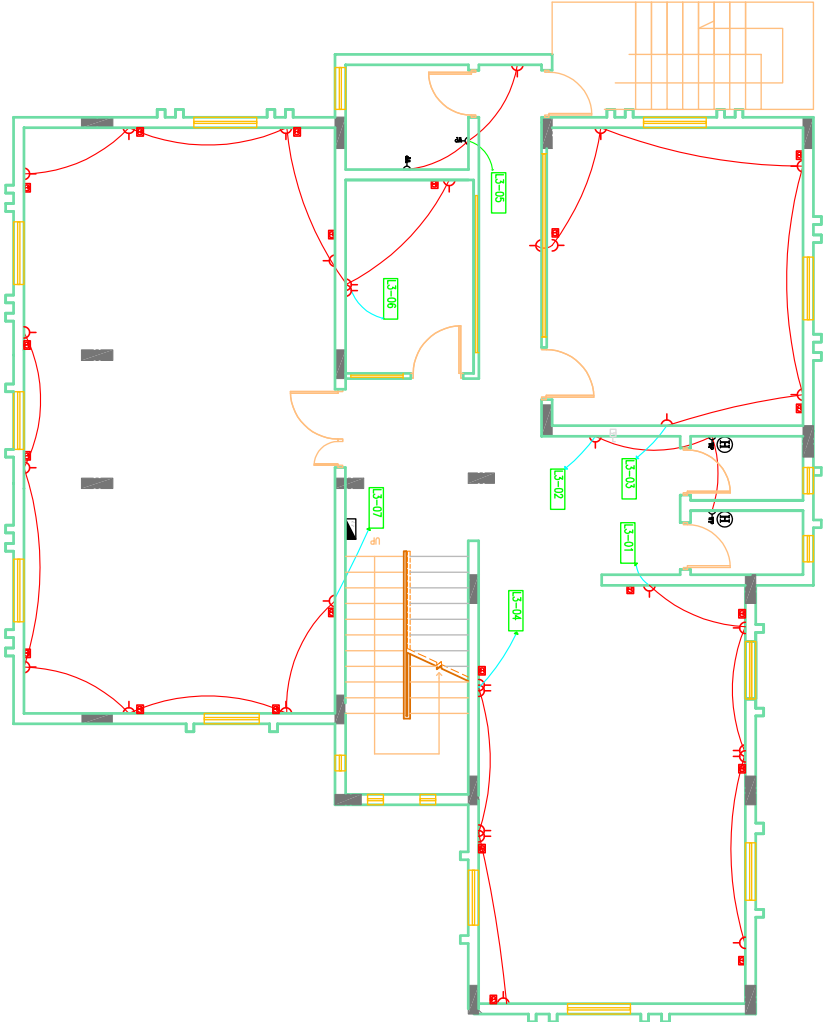
Scale:

1:100

Date :



Symbol	Specification
	Surface mounted lighting fixture with (250 W) fluorescent
	Surface mounted lighting fixture with (150 W) fluorescent
	Surface mounted lighting fixture with (75 W) fluorescent
	Above ceiling lighting luminaires with (1 x 12 watt) fluorescent
	Section line
	Three pole two-way switches
	Two pole two-way switches
	Telephone socket
	Main distribution board for the three phase
	Sub-distribution box for telephone
	Single pole one-way switch
	Two pole one-way switch
	Three pole one-way switch
	Two Phase/Three Phase Socket (13A-200V)
	Two Phase/Three Phase Socket (13A-200V)
	Two Pole + Earthing Single Socket (13A-200V)
	2500 W, 10A fluorescent lighting fixture 110V/220Vmm
	Water Meter Station (10A-200V)



PROJECT :

Construction work for the third floor in OCHA office

OWNER :

OCHA

Designed By:

IGTIC Engineering

TITLE :

Electrical plan

Issued By:

IGTIC Engineering

Sheet No:

469

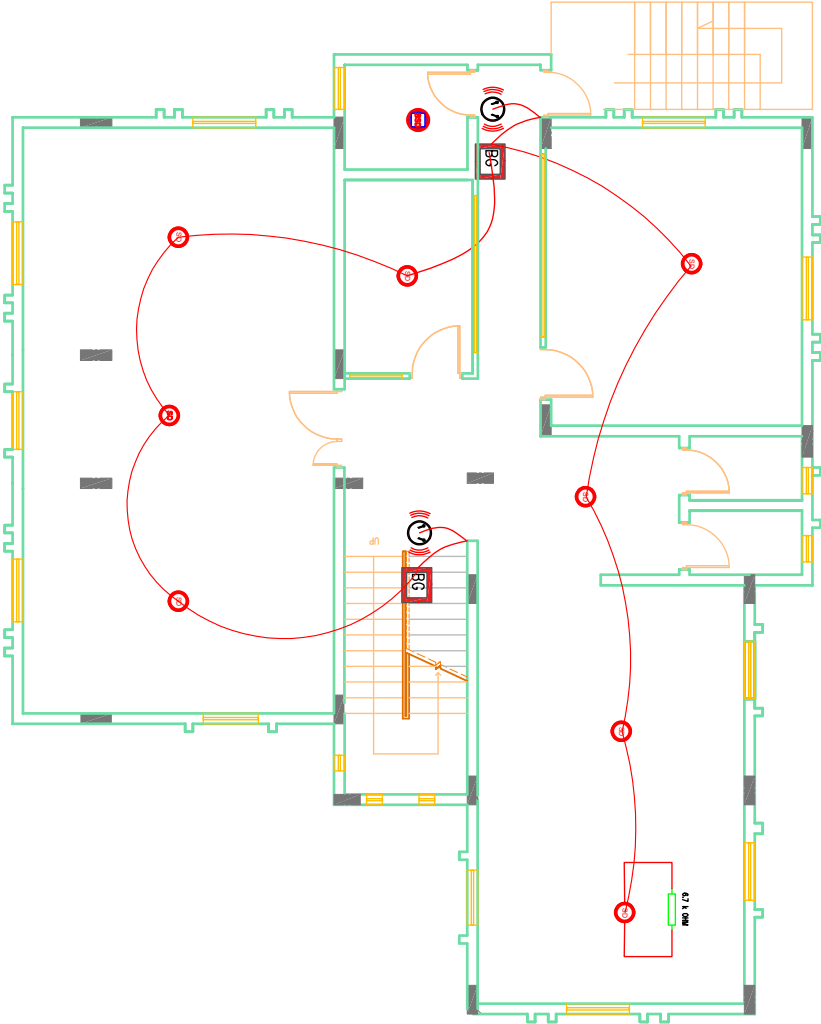
Scale:

1:100

Date :



FIRE SYSTEM KEY PLAN		
NOS.	DESCRIPTION	SYMBOL
1	Battery operated Smoke Detector	
2	Fire Alarm Detector	
3	End of Zone Resistor	
4	Fire Alarm Bell	
5	Sound Device	
6	Break Glass	



PROJECT :

Construction work for the third floor in OCHA office

OWNER :

OCHA

Designed By:

IGTIC Engineering

TITLE :

Fire system

Issued By:

IGTIC Engineering

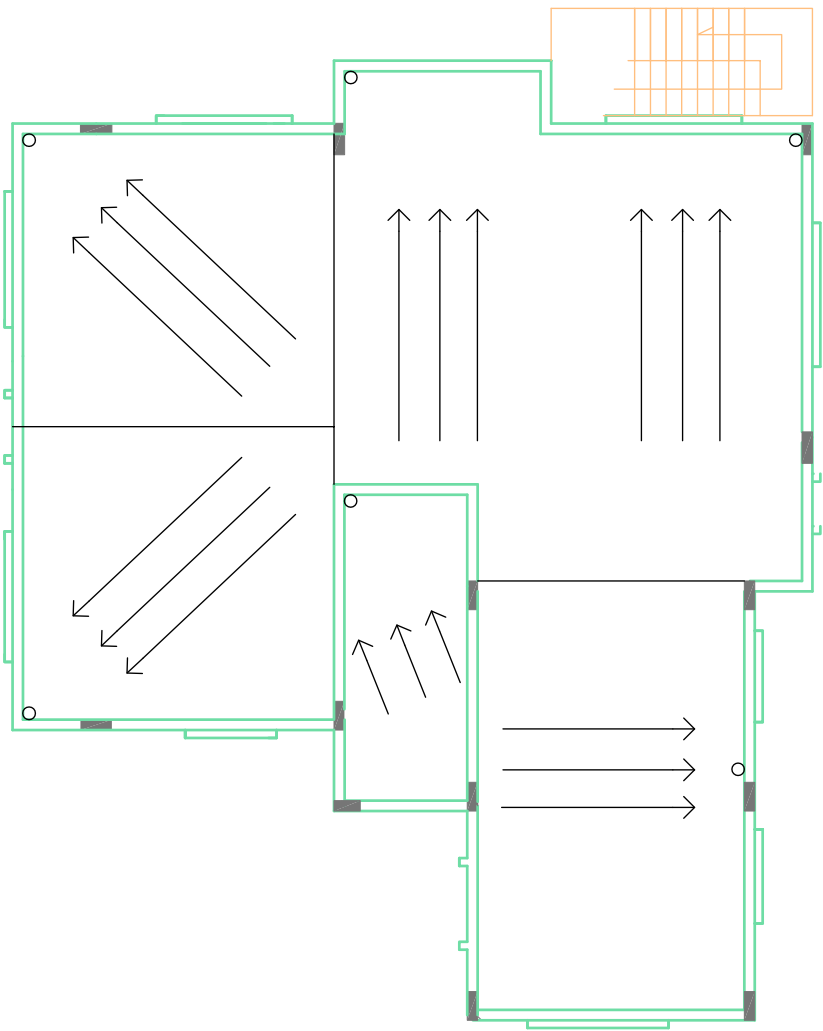
Sheet No:

489

Scale:

1:100

Date :



PROJECT :

Construction work for the third floor in OCHA office

OWNER :

OCHA

Designed By:

IGTIC Engineering

TITLE :

Drainage pipes

Drawing By:

IGTIC Engineering

Sheet No:

489

Scale:

1:100

Date :

18/2/2018



signage		
No	Quantity	size
PICTURES		
1	1	150*150
2	1	120*300mm
3	2	200*150
4	2	200x200 mm
5	1	75*150
		
		
		
		
		

PROJECT :

Construction work for the third floor in OCHA office

OWNER :

OCHA

Designed By:

IGTIC Engineering

TITLE :

Signs

Issued By:

IGTIC Engineering

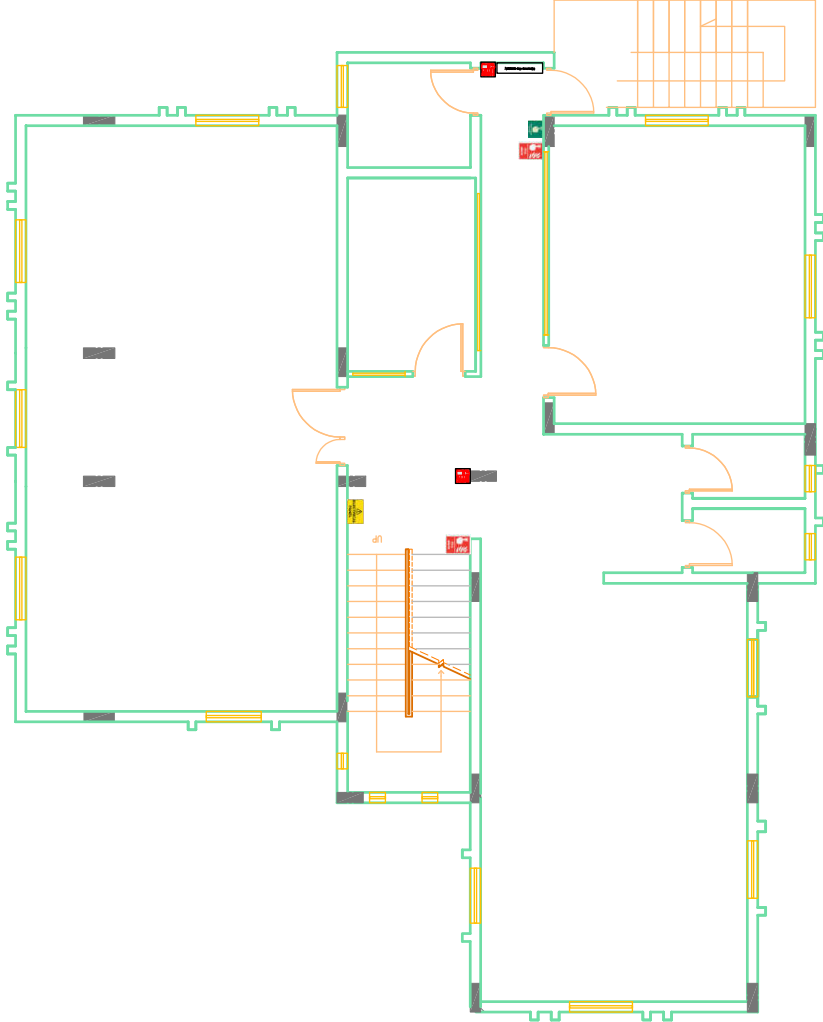
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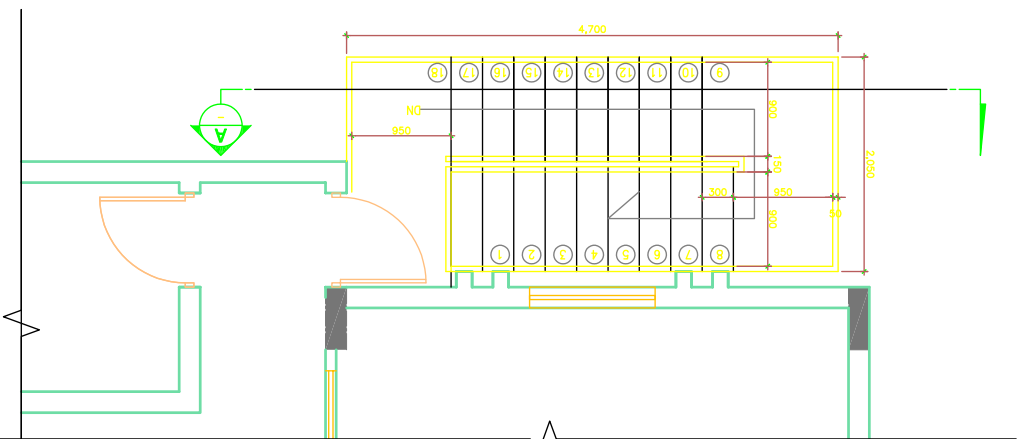
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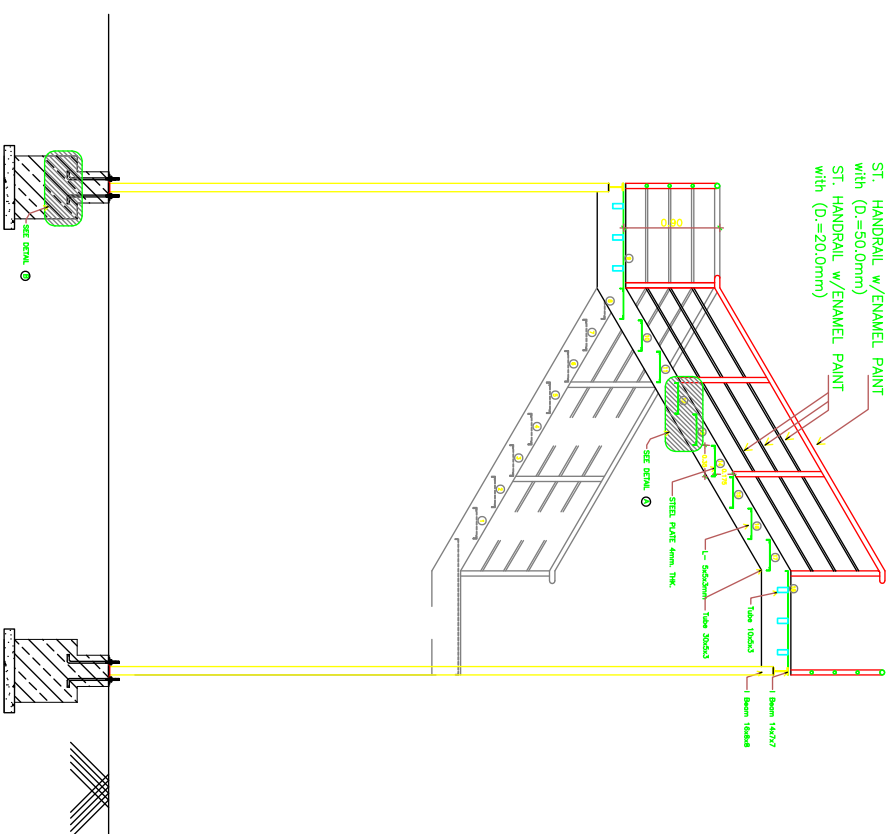
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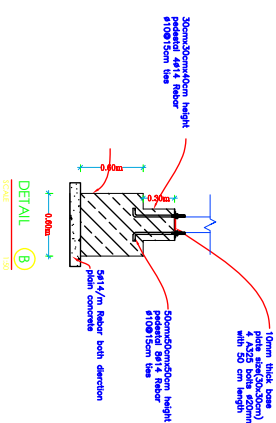




Stair Plan



Section A-A



PROJECT :
Construction work for the third floor in OCHA office

OWNER :
OCHA

Designed By:
IGTIC Engineering

TITLE :
Emergency staircase

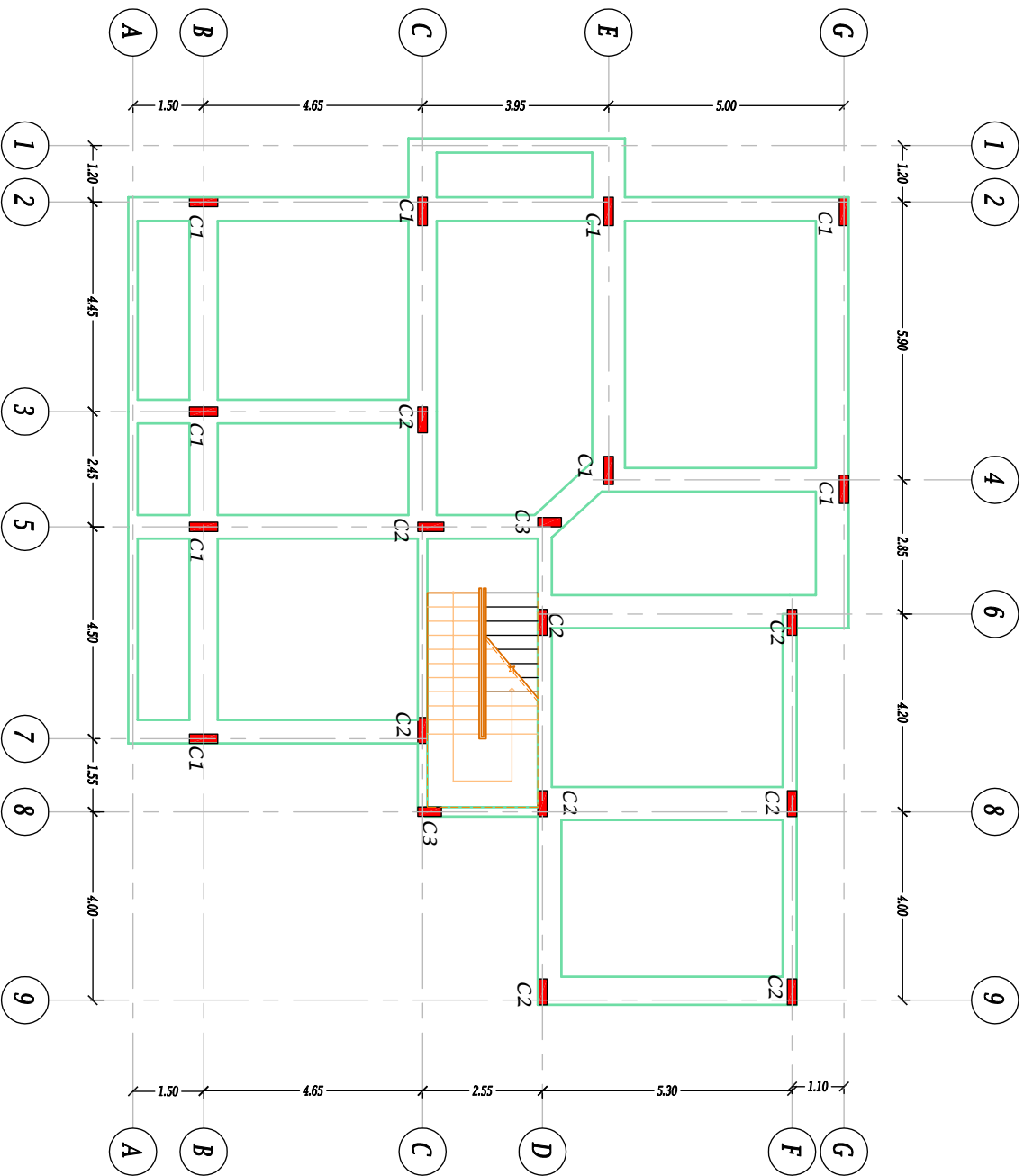
Issued By:
IGTIC Engineering

Sheet No: 100 Scale: 1:50 Date: 10/10/2017



DETAILING TABLE FOR THE COLUMNS

NO	Dimension		Reinforcement		Section
	Height (cm)	Width (cm)	Longitudinal	Stirrup	
C1	60	20	8Ø16	108/150mm	
C2	55	20	8Ø16	108/150mm	
C3	50	20	6Ø16	108/150mm	



PROJECT :

Construction work for the third floor in OCHA office

OWNER :

OCHA

Designed By:

IG TIC Engineering

Drawing name:

Columns

Drawing By:

IG TIC Engineering

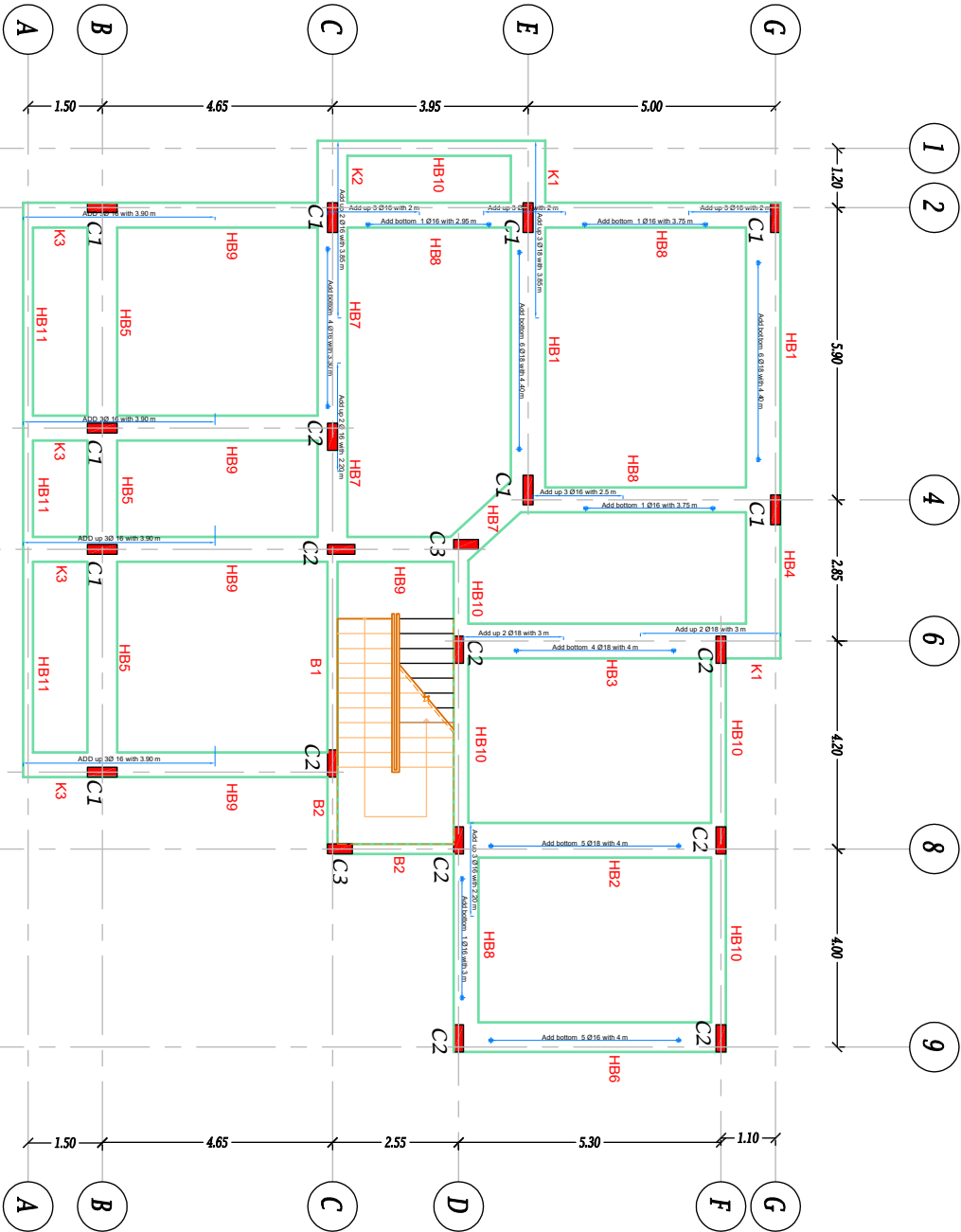
Sheet No:

001

Scale: 1:100
Date: 18/2/2018



TABLE REINFORCEMENT FOR THE BEAMS									
Symbol	Dimension		Reinforcement			Strip			
	Width (mm)	Height (mm)	Lower C/V	Upper C/V	Upper D/D	MID	EDGE		
HB1	70	30	50/8	60/8	50/8	Ø8@200mm	Ø8@200mm		
HB2	70	30	50/8	50/8	40/8	Ø8@200mm	Ø8@200mm		
HB3	70	30	40/8	40/8	40/8	Ø8@200mm	Ø8@200mm		
HB4	70	30	40/8	40/8	40/8	Ø8@200mm	Ø8@200mm		
HB5	60	30	60/6	60/6	60/6	Ø8@200mm	Ø8@200mm		
HB6	60	30	40/6	40/6	40/6	Ø8@200mm	Ø8@200mm		
HB7	60	30	30/6	40/6	40/6	Ø8@200mm	Ø8@200mm		
HB8	50	30	40/6	40/6	30/6	Ø8@200mm	Ø8@200mm		
HB9	50	30	40/6	40/6	30/6	Ø8@200mm	Ø8@200mm		
HB10	30	30	40/6	40/6	40/6	Ø8@200mm	Ø8@200mm		
HB11	20	30	40/6	40/6	40/6	Ø8@200mm	Ø8@200mm		
K1	70	30	30/8	30/8	30/8	Ø8@200mm	Ø8@200mm		
K2	60	30	30/6	30/6	30/6	Ø8@200mm	Ø8@200mm		
K3	50	30	30/6	30/6	30/6	Ø8@200mm	Ø8@200mm		
B1	20	50	30/6	30/6	30/6	Ø8@200mm	Ø8@200mm		
B2	20	50	30/6	30/6	30/6	Ø8@200mm	Ø8@200mm		



PROJECT :
Construction work for the third floor in OCHA office

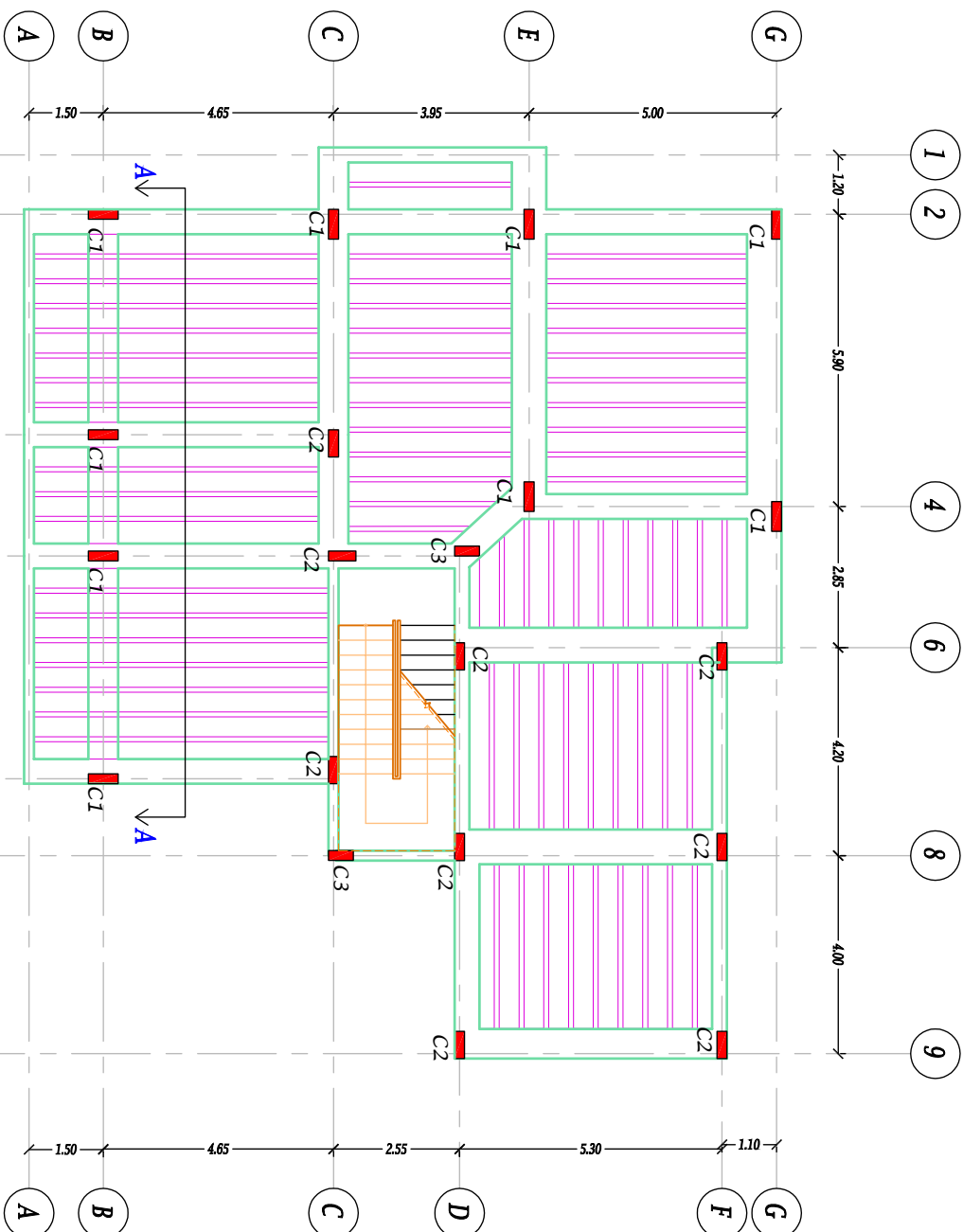
OWNER :
OCHA

Designed By:
IGTIC Engineering

Drawing name:
Beams

Drawing By:
IGTIC Engineering

Sheet No: 002
Scale: 1/80
Date: 19/2/2018



PROJECT :

Construction work for the third floor in OCHA office

OWNER :

OCHA

Designed By:

IGTIC Engineering

Drawing name:

Slabs

Drawing By:

IGTIC Engineering

Sheet No:

6/4

Scale:

1:100

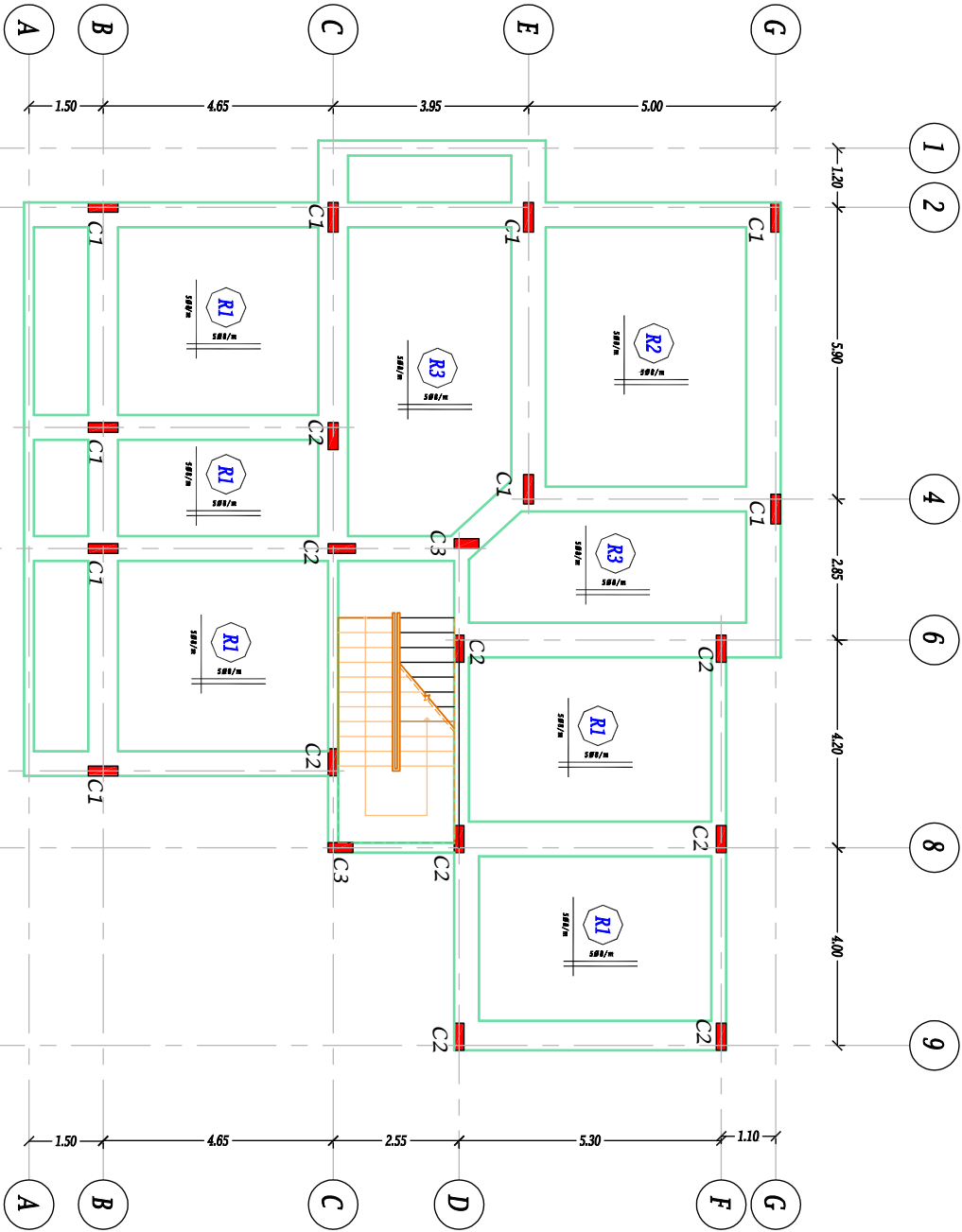
Date:

18/2/2018



TABLE REINFORCEMENT FOR THE SLABS

Symbol	RIBS			TOP SLABS		
	Reinforcement		Startup	Reinforcement		
h (mm)	TOP	BOTTOM	MID	EDGE	TOP	BOTTOM
R1	300	20/14	20/14	68@200mm	100	508/m
R2	300	20/14	20/16	68@180mm	100	508/m
R3	300	20/14	20/14	68@200mm	100	508/m



PROJECT :

Construction work for the third floor in OCHA office

OWNER :

OCHA

Designed By:

IGTC Engineering

Drawing name:

Slabs

Drawing By:

IGTC Engineering

Sheet No:

070

Scale: 1:100

Date: 19/2/2018



Construction work for the third floor in OCHA office

ОСНА

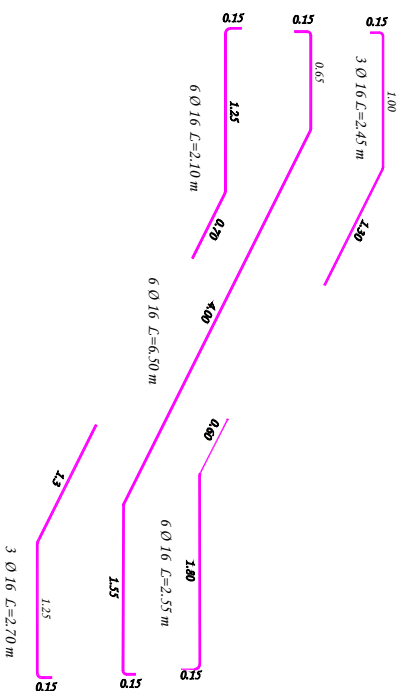
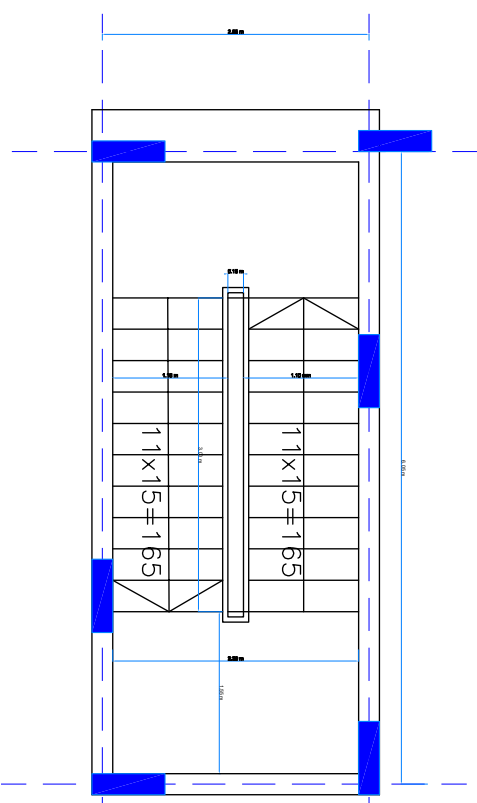
IGTIC Engineering

Stairs

IGTC Engineering

1-100

19/2/2016





TOP SLABS			
Symbol	Reinforcement		
	t (mm)	TOP	BOTTOM
S1	150	6Ø12/m	6Ø12/m

TABLE REINFORCEMENT FOR THE BEAMS						
Symbol	Dimension		Reinforcement		Stirrup	
	Width (cm)	Height (cm)	Top	Bottom	MID	EDGE
B1	40	20	3Ø16	3Ø14	Ø8@200mm	Ø8@150mm

PROJECT :

Construction work for the third floor in OCHA office

OWNER :

OCHA

Designed By:

IGTIC Engineering

TITLE :

floor for staircase

Issued By:

IGTIC Engineering

Sheet No:

480

Scale:

1:100

Date :

28/2/2018

