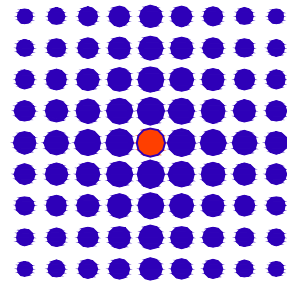


**Beit Hanina - Jerusalem**

Name:

Al-Nizamyeh School

PREPARED BY



SIMON KOUBA CONSULTANTS

P.O. Box 54740 17 Al-Asfahani St, Jerusalem  
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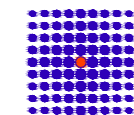
Mechanical Drawings

**School Name :**  
**Alnizamiyyeh School**

**Drawing Title :**  
**List of Drawings**

**Legend :**

**Consultant:**



**SIMON KOUBA CONSULTANTS**  
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Telefax: 02-6288036 E-mail: simon@koubas.net

**Scale**

**Location**

**Beit Hanina  
Jerusalem**

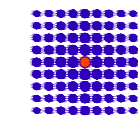
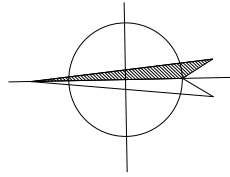
**Date**

**April 2024**

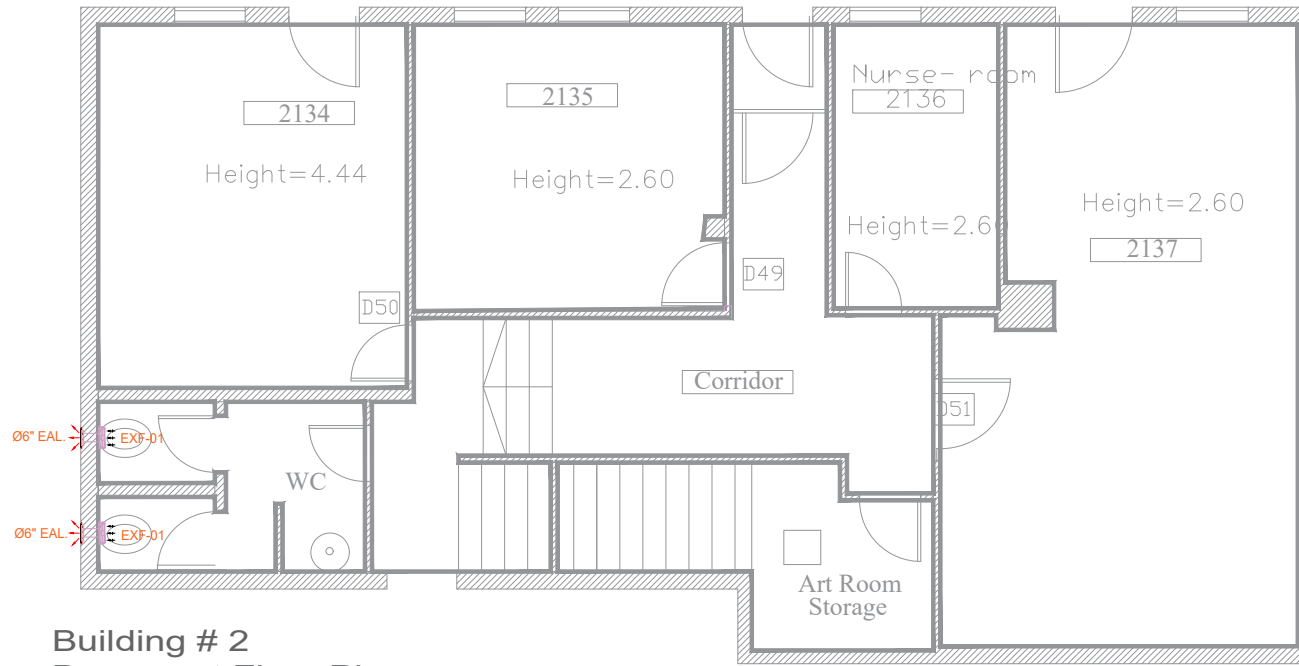
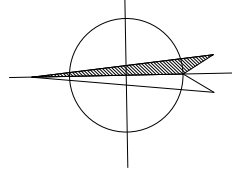
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**M00**

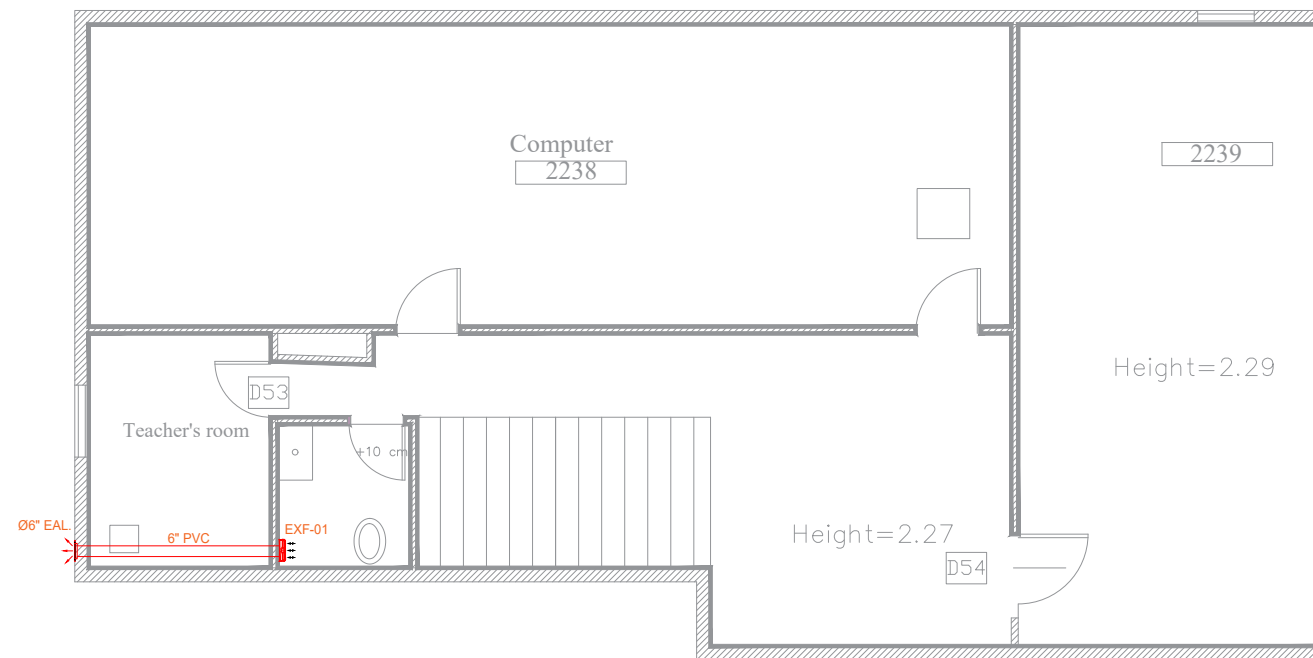
Drwing No.	Description
M-00	List Of Drawings
M-01	AC / Ventilation Systems 2nd Basement Floor / Building 2
M-02	AC / Ventilation System 1st Basement / Building 2
M-03	Mechanical Systems Ground Floor / Building 2
M-04	AC / Ventilation System First Floor / Building 2
M-05	AC / Ventilation System Second Floor / Building 2
M-06	AC System Roof Floor / Building 2
M-07	Ground Floor Mechanical Systems / Building 1
M-08	Site Plan Drainage Systems
M-09	AC Split Units and Ventilation Fans Schedules
M-10	Sanitary Fixtures Details
M-11	Ventilation Fans Details



Scale	1:100
Location	Beit Hanina Jerusalem
Date	April 2024
Drawing No.	M01



**Building # 2**  
Basement Floor Plan  
lower level



**Building # 2**  
Basement Floor Plan  
upper level

**Enabel** 

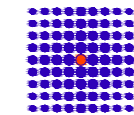
REHABILITATION OF SCHOOLS IN  
EAST JERUSALEM

School Name :  
Alnizamiyyeh School

Drawing Title :  
AC / Ventilation System  
1st Basement / Building 2

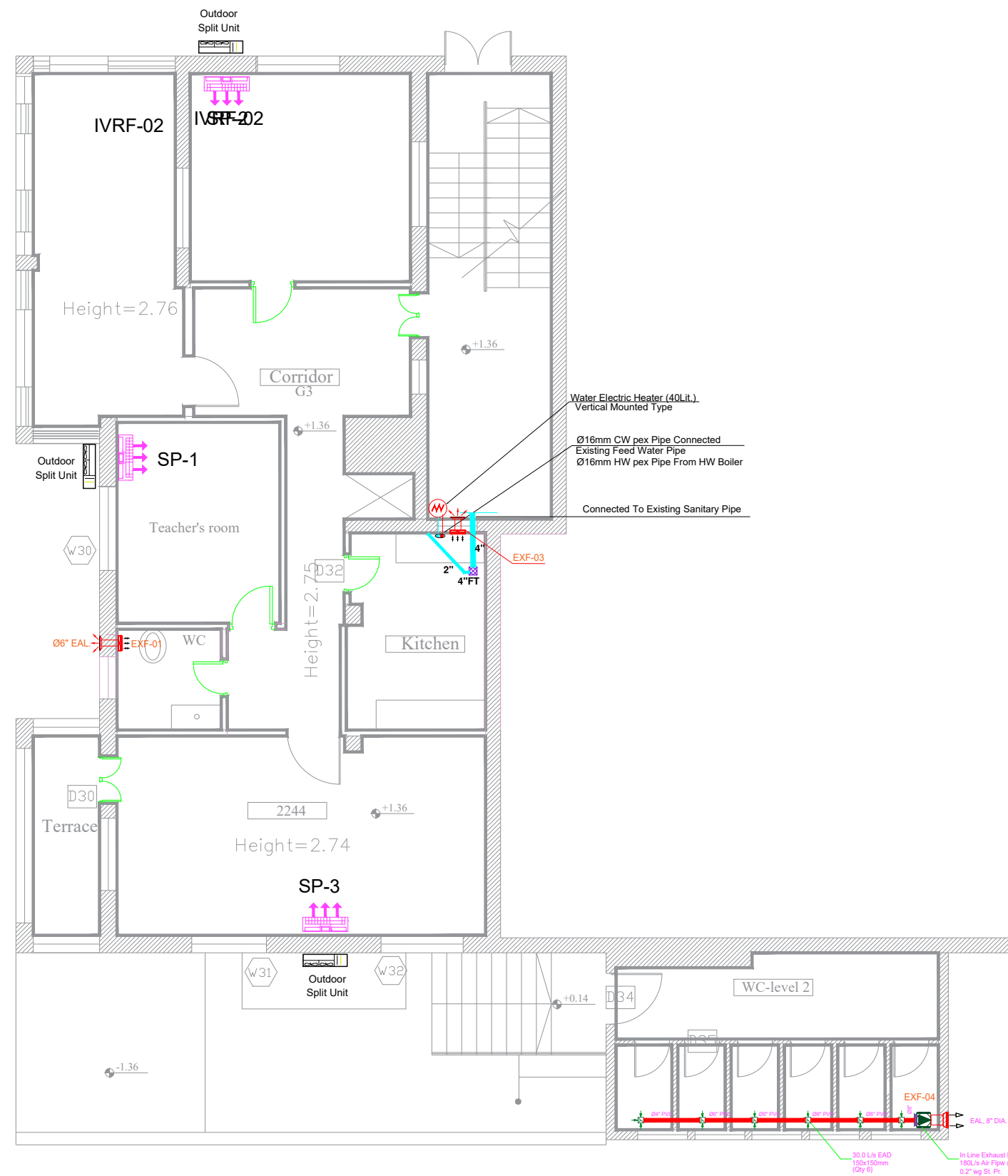
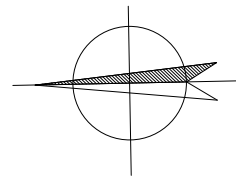
Legend :

Consultant:



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Telefax: 02-6288036 E-mail: simon@koubas.net

Scale	1:100
Location	Beit Hanina Jerusalem
Date	April 2024
Drawing No.	M02



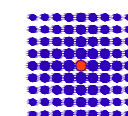
REHABILITATION OF SCHOOLS IN EAST JERUSALEM

School Name :  
Alnizamiyyeh School

Drawing Title :  
Mechanical Systems  
Ground Floor / Building 2

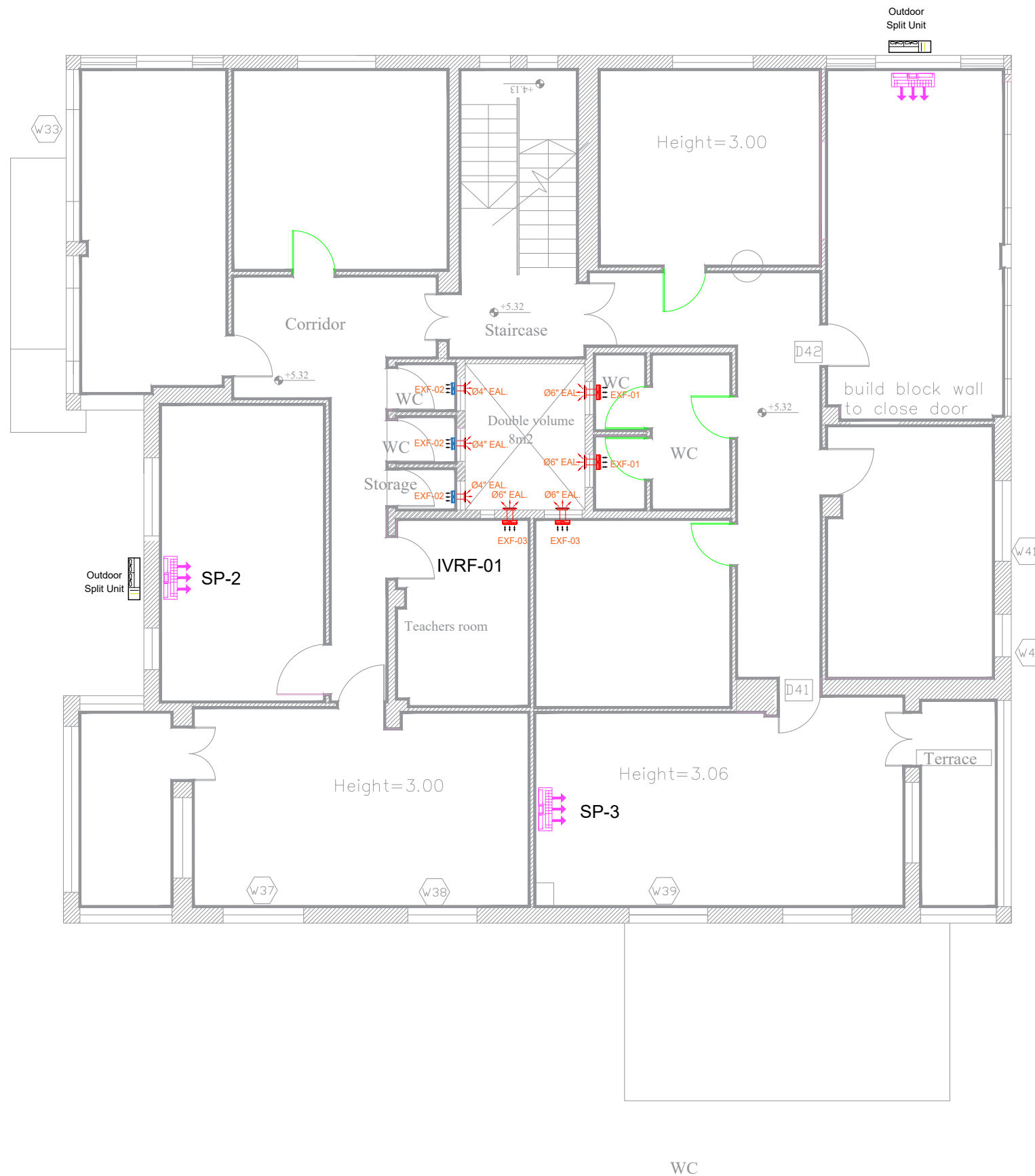
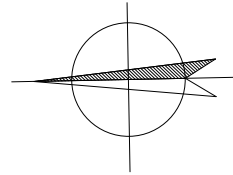
Legend :

Consultant:



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Telefax: 02-6288036 E-mail: simon@koubas.net

Scale	1:100
Location	Beit Hanina Jerusalem
Date	April 2024
Drawing No.	M03

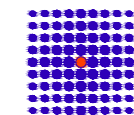


School Name :  
Alnizamiyyeh School

Drawing Title :  
AC / Ventilation System  
First Floor / Building 2

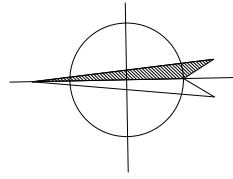
Legend :

Consultant:



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Scale	1:100
Location	Beit Hanina Jerusalem
Date	April 2024
Drawing No.	M04

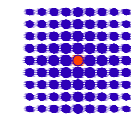


School Name :  
Alnizamiyyeh School

Drawing Title :  
AC / Ventilation System  
Second Floor / Building 2

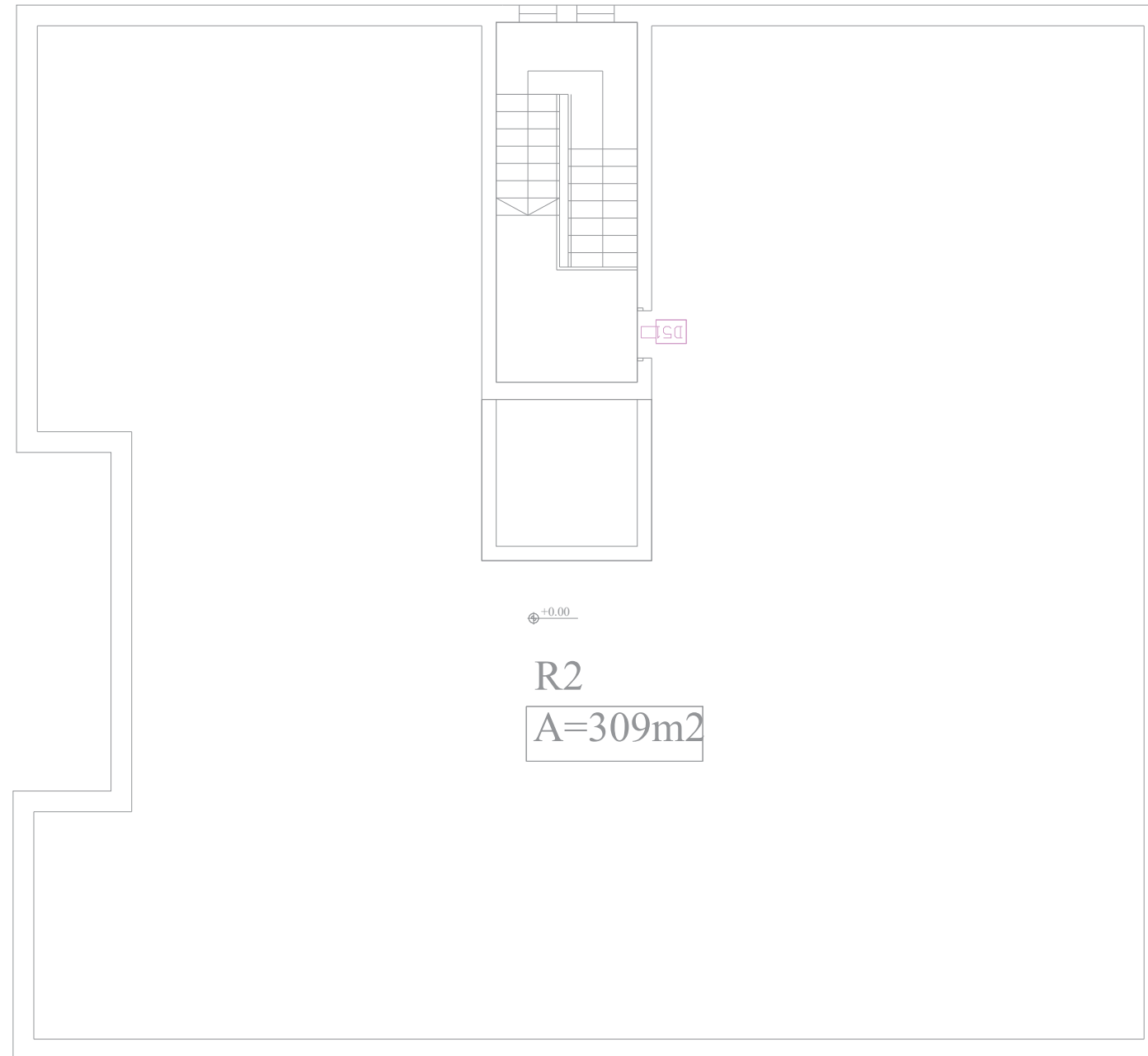
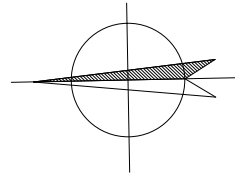
Legend :

Consultant:



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Telefax: 02-6288036 E-mail: simon@koubas.net

Scale	1:100
Location	Beit Hanina Jerusalem
Date	April 2024
Drawing No.	M05



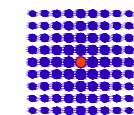
REHABILITATION OF SCHOOLS IN  
EAST JERUSALEM

School Name :  
Alnizamiyyeh School

Drawing Title :  
AC System Roof Floor /  
Building 2

Legend :

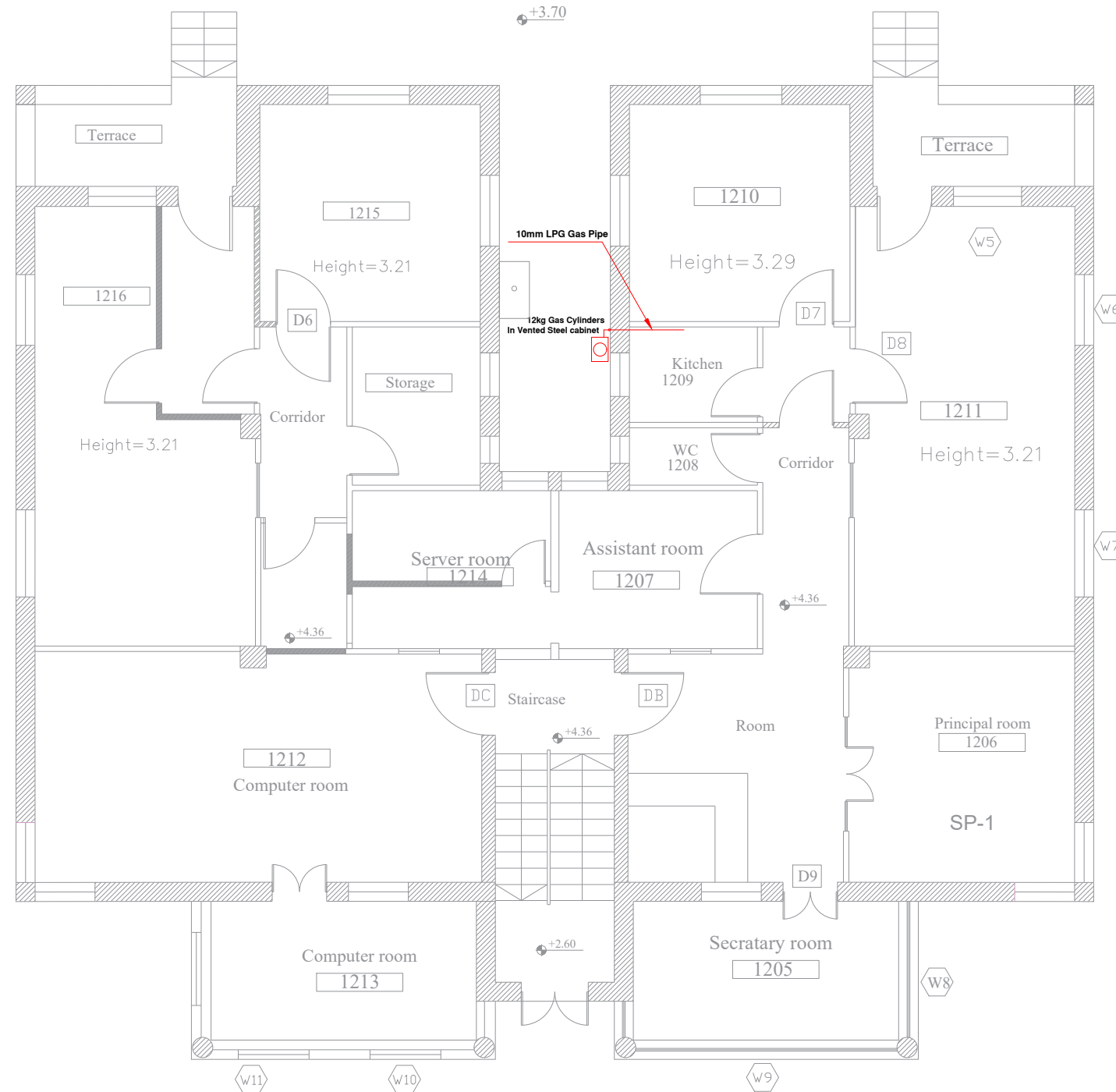
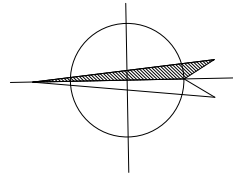
Consultant:



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Telefax: 02-6288036 E-mail: simon@koubas.net

Scale	
Location	Beit Hanina Jerusalem
Date	April 2024
Drawing No.	M06





**Enabel**

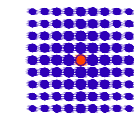
REHABILITATION OF SCHOOLS IN  
EAST JERUSALEM

School Name :  
Alnizamiyyeh School

Drawing Title :  
Ground Floor Mechanical  
Systems / Building 1

Legend :

Consultant:



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Telefax: 02-6288036 E-mail: simon@koubas.net

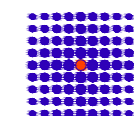
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Location	Beit Hanina Jerusalem
Date	April 2024
Drawing No.	M07

School Name :  
Alnizamiyyeh School

Drawing Title :  
Drainage System Site  
Plan

Legend :

Consultant:



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Telefax: 02-6288036 E-mail: simon@koubas.net

Scale

Location

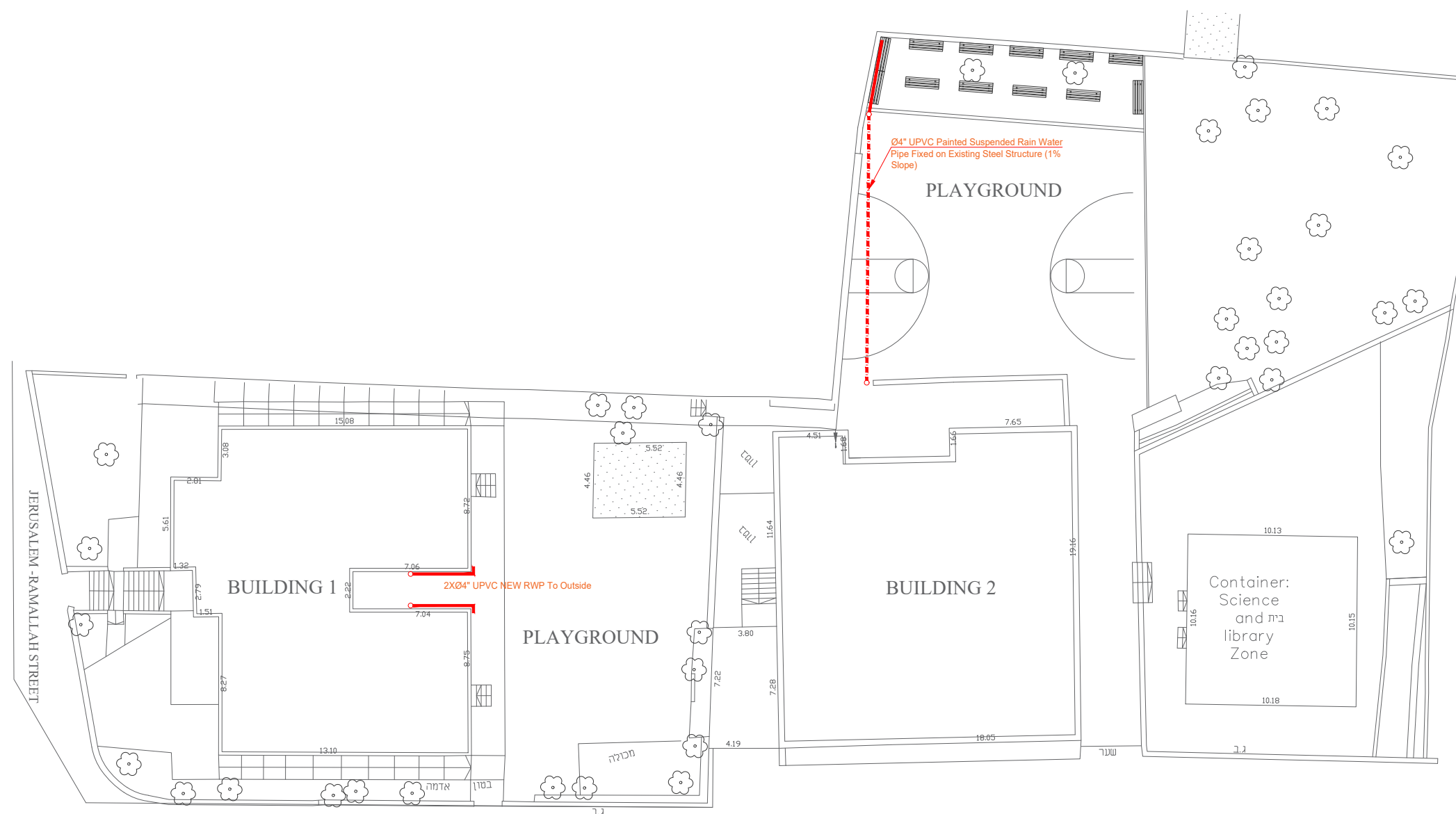
Beit Hanina  
Jerusalem

Date

April 2024

Drawing No.

M08



## FANS SCHEDULE

FAN #	SERVED AREA	STATIC PRESSURE (WG INCH)	LOCATION	AIR FLOW (L/S)	MOTOR DATA					TYPE	QTY
					(RPM)	VOLTS	W	Ø	HZ		
EXF-01	TOILETS	---	TOILETS	50	2900	220	40	1	50	WALL MOUNTED SCILENT TYPE	9
EXF-02	TOILETS	---	TOILETS	30	2900	220	25	1	50	WALL MOUNTED TYPE	3
EXF-03	TOILETS	---	TOILETS	80	2900	220	60	1	50	WALL MOUNTED TYPE	5
EXF-04	MAIN OUTDOOR TOILETS UNIT	0.20"	TOILETS	180	2900	220	130	1	50	IN LINE CABINET SILENT TYPE	1

### AC SPLIT INVERTER UNITS SCHEDULE - Building 1

REF.	DESIGNATION	QTY	NOMINAL AIR FLOW (L/S)	TOTAL COOLING CAPACITY (Kw)	SENSIBLE COOLING CAPACITY (Kw)	HEATING CAPACITY (Kw)	EXTERNAL STATIC PRESSURE (Pa)	ELECTRICAL DATA		ENTERING AIR TEMP.		LEAVING AIR TEMP.	
								POWER (WATT)	V / Hz / Ø	DB °C	WB °C	DB °C	WB °C
SP-1	DX Split Unit	3	170	3.5	3.0	2.8	---	1000	230/50/1	22.0	16.0	13.0	12.0
SP-2	DX Split Unit	1	260	5.6	4.8	4.5	---	1500	230/50/1	22.0	16.0	13.0	12.0

### AC SPLIT INVERTER UNITS SCHEDULE FOR SERVER ROOM -Building 1

REF.	DESIGNATION	QTY	NOMINAL AIR FLOW (L/S)	TOTAL COOLING CAPACITY (Kw)	SENSIBLE COOLING CAPACITY (Kw)	HEATING CAPACITY (Kw)	EXTERNAL STATIC PRESSURE (Pa)	ELECTRICAL DATA		ENTERING AIR TEMP.		LEAVING AIR TEMP.		NOTES
								POWER (WATT)	V / Hz / Ø	DB °C	WB °C	DB °C	WB °C	
SP-1	DX Split Unit	2	170	3.5	3.0	---	---	1000	230/50/1	22.0	16.0	13.0	12.0	INCLUDING CONTROL PANEL WITH THERMOSTAT

### VRF INDOOR UNITS SCHEDULE (Building 2)

REF.	DESIGNATION	QTY	NOMINAL AIR FLOW (L/S)	TOTAL COOLING CAPACITY (Kw)	SENSIBLE COOLING CAPACITY (Kw)	HEATING CAPACITY (Kw)	EXTERNAL STATIC PRESSURE (Pa)	ELECTRICAL DATA		ENTERING AIR TEMP.		LEAVING AIR TEMP.	
								POWER (WATT)	V / Hz / Ø	DB °C	WB °C	DB °C	WB °C
IVRF-01	VRF INDOOR CASSETTE UNIT	8	160	3.5	3.0	2.8	--	70	230/50/1	24.0	16.0	12.5	11.5
IVRF-02	VRF INDOOR DUCTED UNIT	22	240	5.2	4.5	4.0	--	90	230/50/1	24.0	16.0	12.5	11.5
IVRF-03	VRF INDOOR DUCTED UNIT	6	320	7.2	6.2	5.7	--	150	230/50/1	24.0	16.0	12.5	11.5

### HEAT PUMP VRF OUTDOOR UNIT SCHEDULE

NAME	QTY	COOLING LOAD (Kw)	HEATING LOAD (Kw)	ESTIMATED INPUT POWER (HP)	Elec. Details V/Hz/Ph	SERVED AREA
OVRF01	1	170	130	60	400/50/3	Building 2, All Floors

Selection of outdoor units models shall be accomplished an company software & as approved of engineer .  
The combination ratio shall be not more than 110 %maximum

### UNITS SELECTION CRITERIA

- \*INDOOR DESIGN TEMPERATURE = 22 C° @ 50% Relative Humidity
- \*OUTDOOR SUMMER DESIGN TEMPERATURE = 37 C @ 50% Relative Humidity
- \*AIR FLOWS ABOVE ARE BASED ON MEDIUM FAN SPEED.



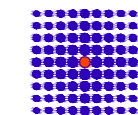
REHABILITATION OF SCHOOLS IN EAST JERUSALEM

School Name :  
Alnizamiyyeh School

Drawing Title :  
AC Split Units and Ventilation Fans Schedules

Legend :

Consultant:



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Scale

Location

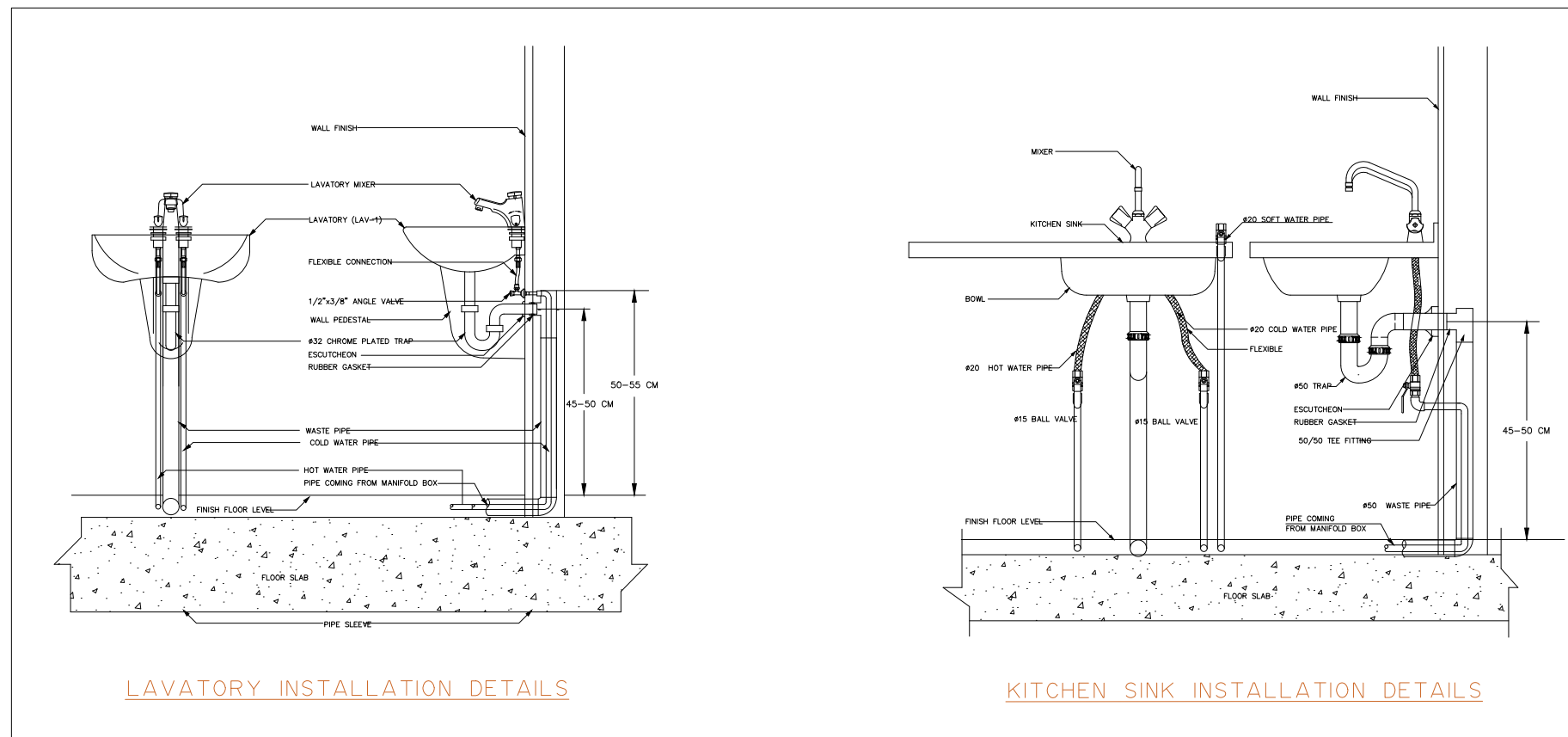
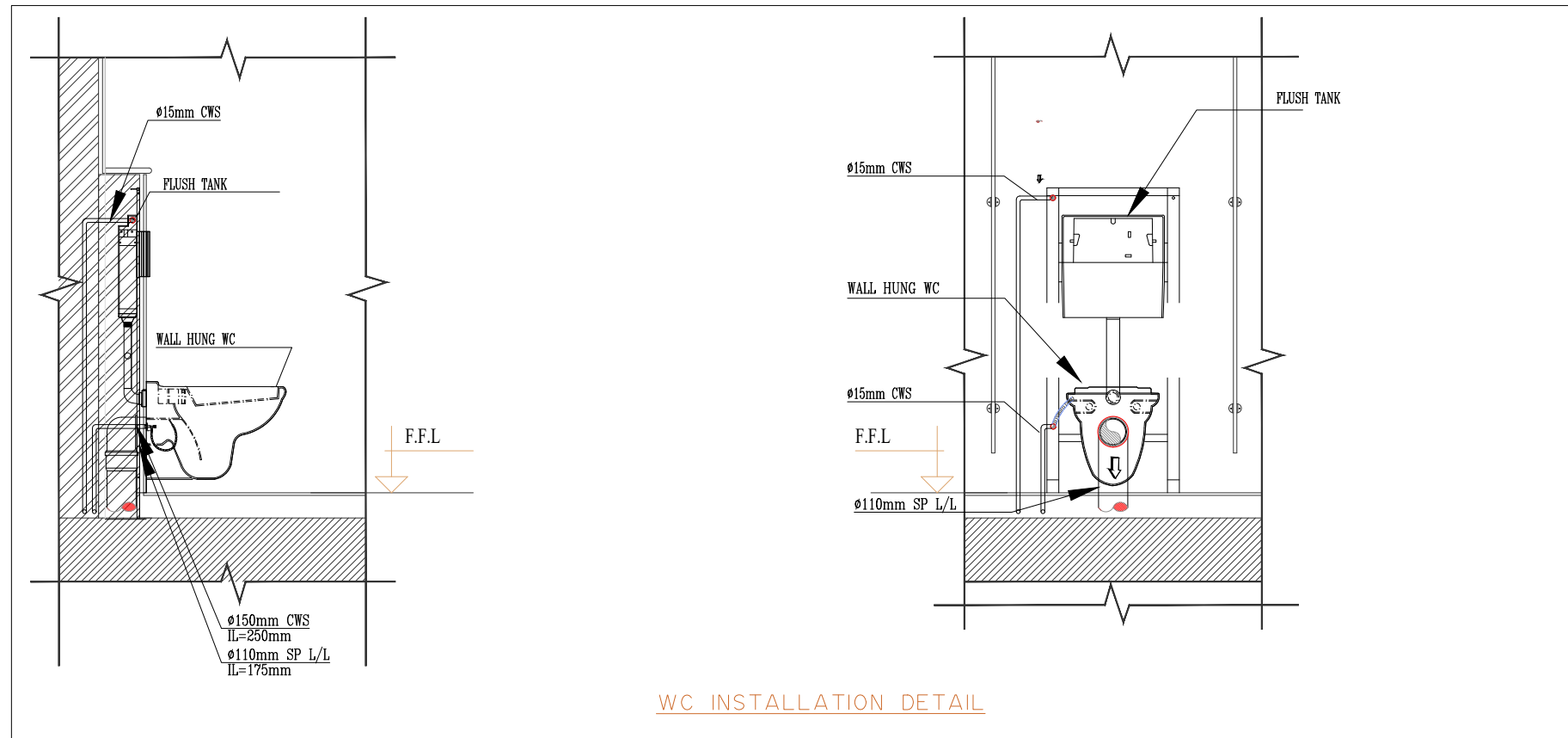
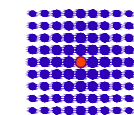
Beit Hanina  
Jerusalem

Date

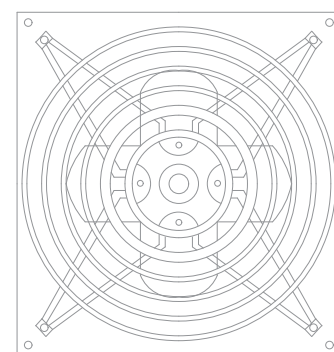
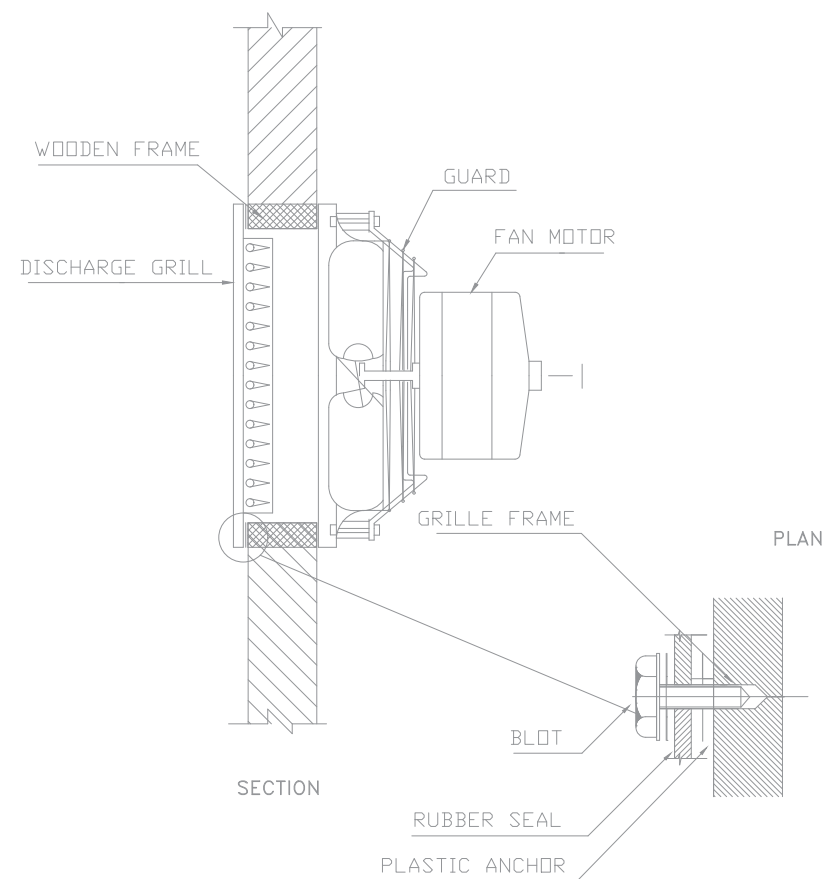
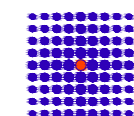
April 2024

Drawing No.

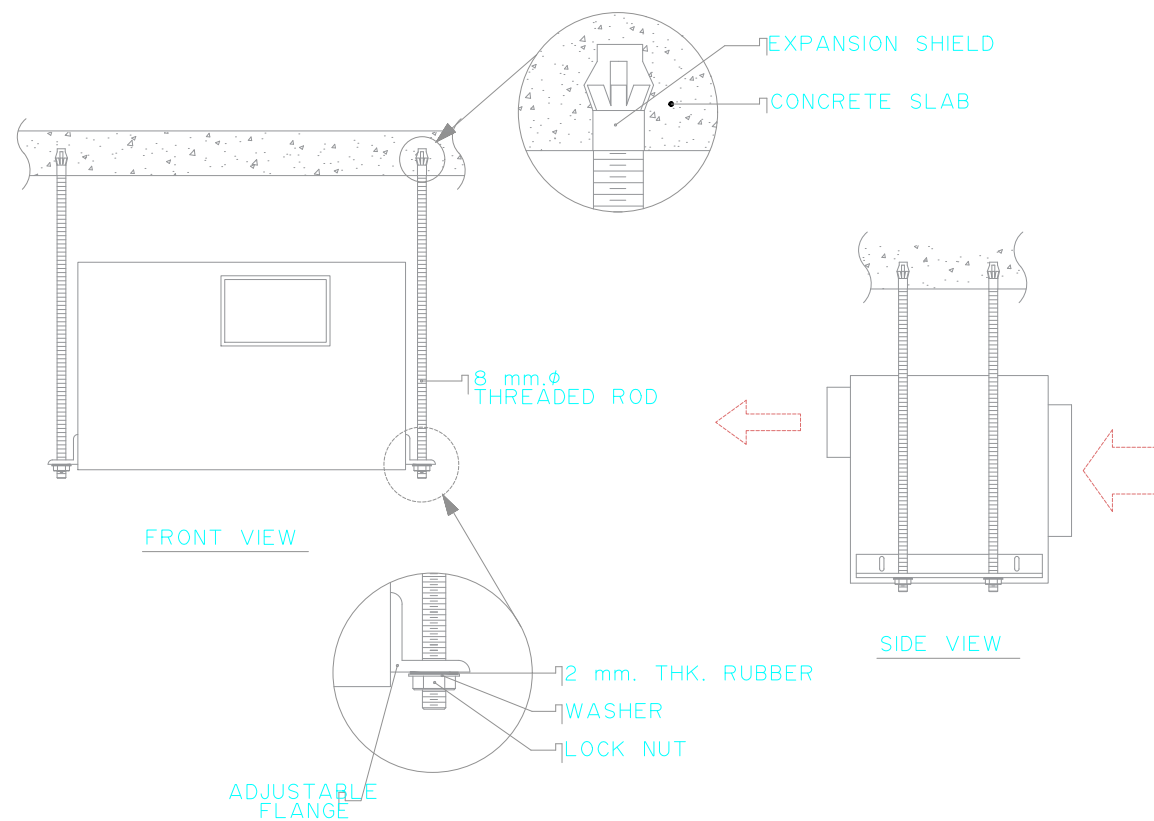
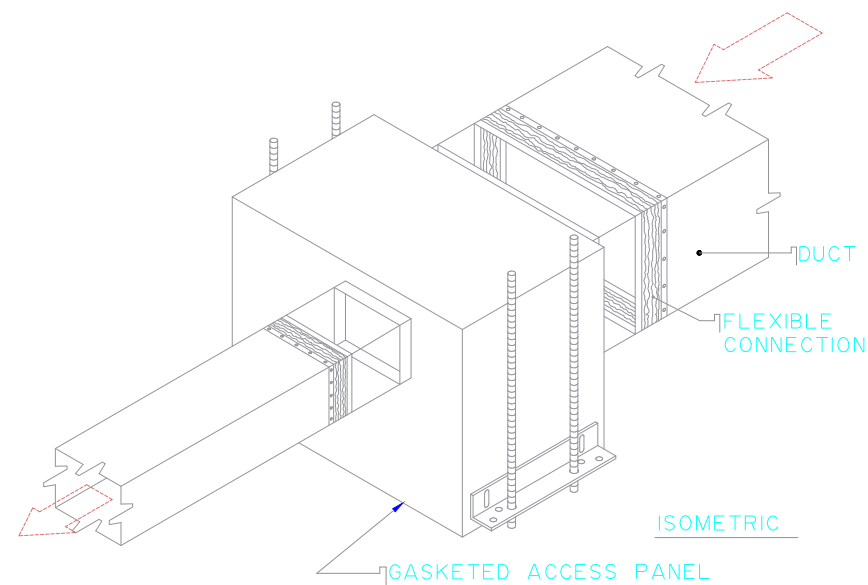
M09



Scale	
Location	Beit Hanina Jerusalem
Date	April 2024
Drawing No.	M10



WALL MOUNTED EXHAUST FAN



IN-LINE CABINET EXHAUST FAN