



Client



GJU
الجامعة الألمانية الأردنية
German Jordanian University

Consultant

ARAB BUSINESS CORPORATION

Designer



مكتب مهندسين
للخدمات الهندسية

Contractor



abc
ARAB BUSINESS CORPORATION

AS BUILT

NOTES

No.	DESCRIPTION
1.	- ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE INDICATED.
2.	LEVEL ON COVER SINGLE JOINT (740-6)
3.	DEPTH OF MANHOLE JOINT 2m
4.	

LEGENDS

REVISIONS

No.	SUBMITTAL NO.	DATE	FOR APPROVAL
1.	Re-01	02/05/2019	
2.	Re-01	02/05/2019	
3.			

Project:

GERMAN JORDANIAN UNIVERSITY

Subject

HVAC SYSTEM
Level (06)

DESIGNER NAME: محمد مسعود المشرف

CALCULATED BY: Mechanical Team

APPROVED BY: Mechanical Team

SITE NO.	Malaba
REGION NO.	Malaba
DATE	02/05/2019
SCALE	1 / 100
DRAWING No.	M-46



HEAT PUMP SCHEDULE								
No.	AIR FLOW L/S	COOLING COIL . CAPACITY		HEATING CAPACITY	ELECTRICAL ESTIMATION		FRESH AIR L/S	QTY.
		TOTAL	SENSIBLE		KW	V/HZ/PH		
		KW	KW	KW	V/HZ/PH			
C.U.1	1011	14.50	11.30	11.20	0.1000	220/50/1Ø	95	2
C.U.2	510	7.40	5.80	5.70	0.1000	220/50/1Ø	55	2
C.U.3	877	12.80	9.80	11.10	0.1000	220/50/1Ø	85	3
C.U.4	954	13.40	10.60	11.10	0.1000	220/50/1Ø	90	2
C.U.5	880	12.80	10.20	9.40	0.1000	220/50/1Ø	100	3
C.U.6	291	3.60	3.10	2.70	0.1000	220/50/1Ø	20	1
C.U.7	687	8.10	7.10	8.00	0.1000	220/50/1Ø	20	1
C.U.8	484	7.80	5.50	5.90	0.1000	220/50/1Ø	50	1
C.U.9	636	9.40	7.00	7.60	0.1000	220/50/1Ø	50	1
C.U.10	333	4.00	3.40	3.50	0.1000	220/50/1Ø	20	1
C.U.11	403	4.70	4.10	4.10	0.1000	220/50/1Ø	20	1
C.U.12	604	7.40	6.30	6.30	0.1000	220/50/1Ø	20	1
C.U.13	336	4.40	3.60	4.60	0.1000	220/50/1Ø	20	1
C.U.14	446	7.50	5.20	5.40	0.1000	220/50/1Ø	50	1
C.U.15	430	7.20	4.90	5.20	0.1000	220/50/1Ø	50	2
W.U.1	377	4.60	4.00	2.90	0.1000	220/50/1Ø	20	1
W.U.2	291	3.60	3.10	2.70	0.1000	220/50/1Ø	20	1
W.U.3	377	4.70	4.00	3.40	0.1000	220/50/1Ø	20	1
W.U.4	313	3.80	3.30	2.90	0.1000	220/50/1Ø	20	2
W.U.5	100	1.90	1.20	1.80	0.1000	220/50/1Ø	20	1
W.U.6	228	2.90	2.40	2.00	0.1000	220/50/1Ø	20	2
W.U.7	301	3.70	3.10	2.70	0.1000	220/50/1Ø	20	1

SPLIT UNIT SCHEDULE								LOCATION	
No.	AIR FLOW L/S	COOLING COIL . CAPACITY		HEATING CAPACITY	ELECTRICAL ESTIMATION		QTY.		note
		TOTAL	SENSIBLE		KW	V/HZ/PH			
		KW	KW	KW	V/HZ/PH				
S.U.1	430	7.00	6.50	---	3.0000	220/50/1Ø	1	low ambient kit	BASEMENT

SPLIT UNIT SCHEDULE								LOCATION	
No.	AIR FLOW L/S	COOLING COIL . CAPACITY		HEATING CAPACITY	ELECTRICAL ESTIMATION		QTY.		note
		TOTAL	SENSIBLE		KW	V/HZ/PH			
		KW	KW	KW	V/HZ/PH				
S.U.1	696	8.20	7.10	7.20	3.6000	220/50/1Ø	1		VIP ROOM

SPLIT UNIT SCHEDULE								LOCATION	
No.	AIR FLOW L/S	COOLING COIL . CAPACITY		HEATING CAPACITY	ELECTRICAL ESTIMATION		QTY.		note
		TOTAL	SENSIBLE		KW	V/HZ/PH			
		KW	KW	KW	V/HZ/PH				
S.U.1	689	8.90	7.50	7.40	3.9000	220/50/1Ø	1		JOURNALISTIC ROOM
S.U.2	430	7.00	6.50	4.50	3.0000	220/50/1Ø	1		CONTROL ROOM

HEAT PUMP SCHEDULE									LOCATION
No.	AIR FLOW L/S	COOLING COIL . CAPACITY		HEATING CAPACITY	ELECTRICAL ESTIMATION		FRESH AIR L/S	QTY.	
		TOTAL	SENSIBLE		KW	V/HZ/PH			
		KW	KW	KW	V/HZ/PH				
U.U.24	880	12.80	10.20	9.40	0.1000	220/50/1Ø	100	4	CORRIDOR BESIDE SQUASH

FAN COIL UNIT								
No.	AIR FLOW L/S	COOLING COIL . CAPACITY		HEATING CAPACITY	ELECTRICAL ESTIMATION		QTY.	LOCATION
		TOTAL	SENSIBLE		KW	V/HZ/PH		
		KW	KW	KW	V/HZ/PH			
UM48N34JRD	790	8.20	7.10	7.20	3.6000	220/50/1Ø	1	THEATER

HEAT PUMP SCHEDULE									
MODEL	No.	AIR FLOW (L/S)	COOLING COIL . CAPACITY		STATIC PRESSURE Pa	ELECTRICAL ESTM.		FRESH AIR (L/S)	QTY
			TOTAL	SENSIBLE		V/HZ/PH			
			kW	kW	V/HZ/PH				
APMR-52340Y	P.U.1	4800	97.84	69.76	250	380/50/3Ø	1600	1	
APMR-52340Y	P.U.2	4800	97.84	69.76	250	380/50/3Ø	1600	1	
APMR-52340Y	P.U.3	4800	97.84	69.76	250	380/50/3Ø	1600	1	
APMR-52340Y	P.U.4	4800	97.84	69.76	250	380/50/3Ø	1600	1	
APMR-52340Y	P.U.5	4800	97.84	69.76	250	380/50/3Ø	1600	1	
APMR-52340Y	P.U.6	4800	97.84	69.76	250	380/50/3Ø	1600	1	
APMR-52300Y	P.U.7	3300	57.34	41.93	250	380/50/3Ø	1100	1	

AIR HANDLING UNIT MODEL MAH-0304								
No.	AIR FLOW (L/S)	COOLING COIL . CAPACITY		STATIC PRESSURE Pa	ELECTRICAL ESTM.		FRESH AIR (L/S)	QTY
		TOTAL	SENSIBLE		V/HZ/PH			
		kW	kW	V/HZ/PH				
A.H.U	1300	59.02	45.56	350	380/50/3Ø	1300	1	

EXHAUST AIR FAN						
MODEL	QTY	TYPE	AIR FLOW (L/S)	ELECTRICAL		ESTM. St.P (Pa)
				LOCATION	V / Hz / Ph	
DC-Box 7/7 4 M	2	INLINE	300	BATHROOM B	220/50/1Ø	100
Roof-CM 716 T	1	TOP ROOF	2565	TOP ROOF RIGHT	380/50/3Ø	320
Roof-CM 504 T	1	TOP ROOF	300	TOP ROOF LIFT	380/50/3Ø	260
HCTT/4-710B	2	TOP ROOF	2750	TOP ROOF HANGER	380/50/3Ø	150
LHV 160	3	WALL	100	BATHROOM VIP	220/50/1Ø	0

Inverter Compressor heat pump Outdoor unit					
No.	Cooling Cap kW	HEATING CAPACITY	ELECTRICAL ESTM.		QTY
		kW	(kW)	V/HZ/PH	
O.U.1-ARUM240L	67.2	74	48	380/50/3Ø	2
O.U.2-ARUM160L	44.8	50	40	380/50/3Ø	2
O.U.3-ARUM160L	44.8	50	40	380/50/3Ø	1
O.U.4-ARUM120L	37	42	35	380/50/3Ø	1

EXHAUST AIR GRILL			
Type	Flow (L/s)	Active Size (cm)	Qty.
EXG.1	20	15x15	7
EXG.2	50-100	20x20	78



Client

Consultant

Designer



Contractor



AS BUILT

NOTES

No.	DESCRIPTION
1.	- ALL DIMENSIONS ARE IN METERS (UNLESS OTHERWISE INDICATED).
2.	- LVL ON COVER BATHROOM JOINT +750±0
3.	- DEPTH OF MANHOLES FORTY (40)
4.	

LEGENDS

REVISIONS

No.	SUBMITTAL NO.	DATE	FOR APPROVAL
1.	Rev.01	12/09/2019	
2.	Rev.01	12/09/2019	
3.			

Project: GERMAN JORDANIAN UNIVERSITY

Subject: HVAC SYSTEM- 2 Level (06)

DESIGNER NAME	مكتب مكيح للاستشارات الهندسية
CHECKED BY	Mechanical Team
APPROVED BY	Mechanical Team

SITE NO.	Madaba
REGION NO.	Madaba
DATE	02/06/2019
SCALE	1 / 100
DRAWING No.	M-47

