



MECHANICAL LEGENED			
	FLOOR DRAIN (SIPHON-TRAP)		WATER METER
	FLOOR DRAIN (JUNCTION BOX)		WATER METER BOX (WMB)
	CLEAN OUT		GATE VALVE
	ROOF & BALCONY DRAIN		NON RETURN VALVE
	SEWER MANHOLE (MH)		FLOAT
	RAIN WATER MANHOLE (RWM)		8mm GAS SHUTOFF VALVE
	FIRE HOSE CABINET		G.S.P COLD WATER SUPPLY
	EXHAUST FAN		G.S.P HOT WATER SUPPLY
	UPVC DRAINAGE PIPE		CITY MAIN WATER PIPE
	GALVANIZED STEEL WATER PIPE		POLYETHYLENE COLD WATER PIPE
	02" UPVC DRAINAGE PIPE		POLYETHYLENE HOT WATER PIPE
	04" UPVC DRAINAGE PIPE		COPPER GAS PIPE INSIDE 20MM P.V.C. PIPE
	06" UPVC DRAINAGE PIPE		COLD WATER PIPE
	04" UPVC VENT PIPE		HOT WATER PIPE
	GAS COLLECTOR		HOT WATER RETURN PIPE
	WATER COLLECTOR		IRRIGATION PIPE
	WATER PUMP		FIRE FIGHTING WATER PIPE
	FREE DISCHARGE PIPE		VENT PIPING
	CONDENSED PIPE		REFRIGERANT PIPES
	GAS CABINET		DRAIN LINE
	FINISH ROOF LEVEL		DRAIN POINT
	FLOOR DRAIN		WATER PUMP
	CW and HW collector		VENT COWL
	WATER COOLER		

Date:  
02/04/2018

Drawing Scale:  
1/100

Drawing No.  

M18

PALESTINE  
POLYTECHNIC UNIVERSITY

College of Engineering

Department of Mechanical Engineering

H.V.A.C. Engineering



Designed AND DRAWN By:  
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Supervisor:  
Dr. KAZEM OSAILY

Project Name:  
**Mechanical Systems  
for Headquarters Charities  
building in Hebron**

Drawing Title:  
**Roof Rain Water  
Drainage layout**

Notes:

All dimensions are in Meters  
Unless otherwise shown.  
All spot levels are in Meters.

Hollow blockwork.  
 Reinforced concrete column/wall.  
 Plain concrete walls.

