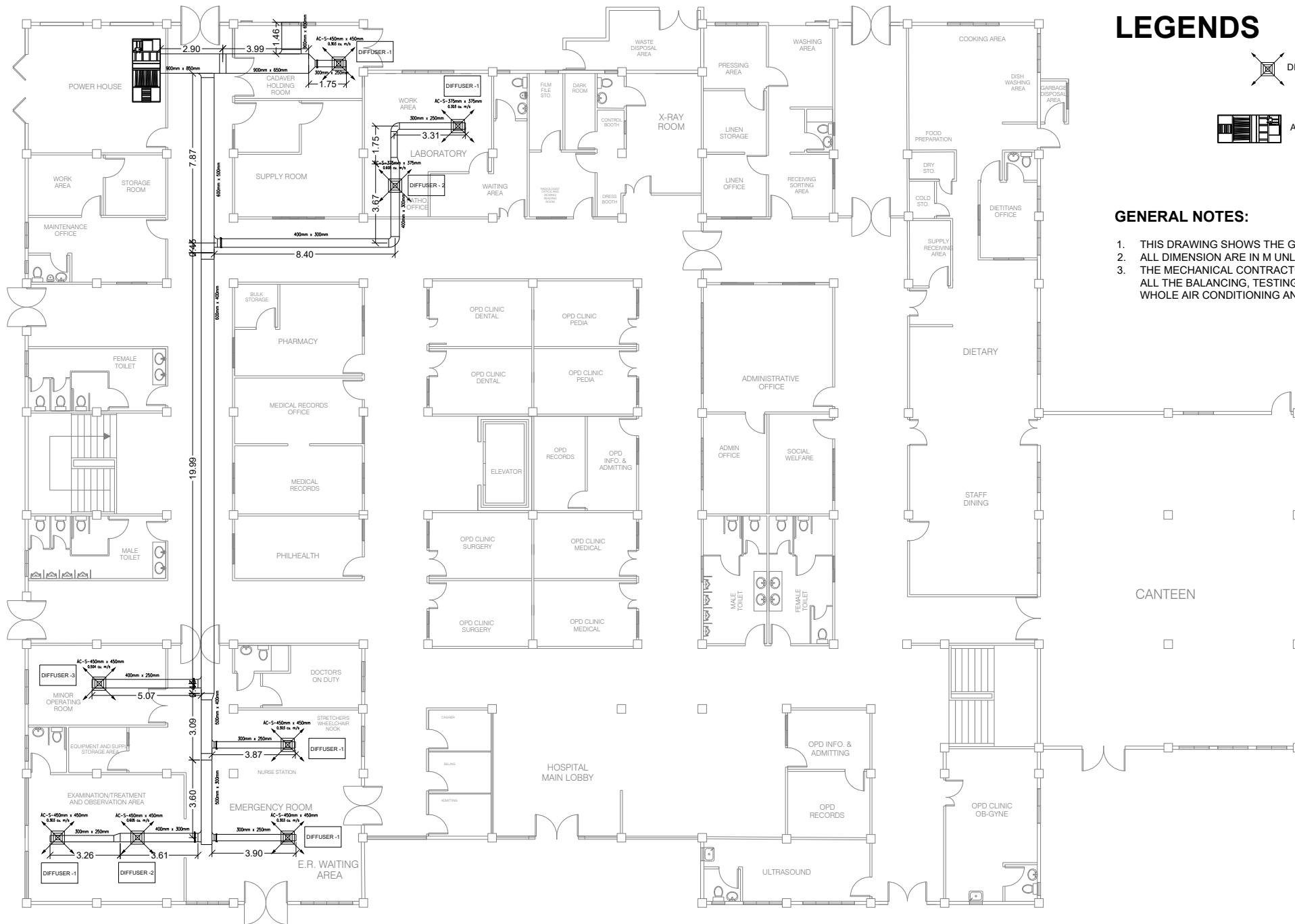
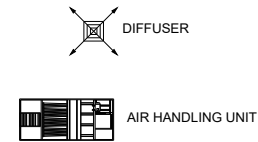


COOLING LOAD SCHEDULE		
UNIT TYPE	QUANTITY	CAPACITY (CU. M/S)
DIFFUSER-1	5	0.303
DIFFUSER-2	2	0.605
DIFFUSER-3	1	0.504



LEGENDS



GENERAL NOTES:

- THIS DRAWING SHOWS THE GROUND FLOOR DUCT LAYOUT.
- ALL DIMENSION ARE IN M UNLESS OTHERWISE SPECIFIED.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL THE BALANCING, TESTING, AND COMMISSIONING OF THE WHOLE AIR CONDITIONING AND VENTILATION SYSTEM.

UNIT NO.	QTY	LOCATION	SERVICE	COOLING CAPACITY (kW)	RE-HEATER			AIR SIDE DATA										ROOM TEMPERATURE (°C)	CHILLED WATER COIL DATA				SUPPLY FAN DATA (EVAP. UNIT)			ELECTRICAL CONNECTION		REMARKS
					CAPACITY (kW)	# of stages	INPUT POWER (kW)	CAPACITY (L/S)	AMBIENT		ENTERING			LEAVING			COOLING LOAD (kW)		FLOW RATE (L/S)	W.I.T (°C)	W.E.T (°C)	SUPPLY AIR (L/S)	STATIC PRESSURE (kPa)	FAN POWER	ELECTRICAL CHARACTERISTIC	LOCATION		
									O.A.T (°C DB)	O.A.T (°C WB)	E.A.T (°C DB)	E.A.T (°C WB)	RH %	E.A.T (°C DB)	E.A.T (°C WB)	RH %												
AHU-1	1	POWER HOUSE	POWER HOUSE	208.40	421	2	31.85	7777.78	26	33	35	28	50	24	22	50	24	478.6	22.99	7	12	7777.78	0.2800	7.50	380/3/50	GROUND FLOOR	*AHU TYPE: HORIZONTAL STANDARD UNIT	

M
6

GROUND FLOOR DUCTING LAYOUT

SCALE

1:400



BatStateU
BATANGAS STATE UNIVERSITY
Gov. Pablo Borbon Main Campus II
Alangilan, Batangas City
MECHANICAL ENGINEERING DEPARTMENT

PROJECT LEADER		INSTRUCTOR		PROJECT / LOCATION:		OWNER		PREPARED BY:		No.	REVISIONS	DATE	SHEET CONTENT	SHEET NO.
ENGR. MARK KERVIN N. ABU MECHANICAL ENGINEER		ENGR. ALLAN B. DE VILLA PROFESSIONAL MECHANICAL ENGINEER		PROPOSED THREE STOREY HOSPITAL		TEAM ABU		ABU, MARK KERVIN N.		1	DRAWING DETAILS	12/10/2019		
SECTION: ME - 5103		PRC Reg No.		PTR No.		ENGR. RONIEL A. AZUCENA PRESIDENT		AZUCENA, RONIEL A.		2	DRAWING DETAILS	12/22/2019	GROUND FLOOR DUCTING LAYOUT	M 6
GROUP NO: 12		TIN:		Issued on:		BATANGAS CITY		CASTILLO, JOHN ADRIAN M.		3	DRAWING DETAILS	01/10/2020		
DATE SUB: JANUARY 10, 2020														