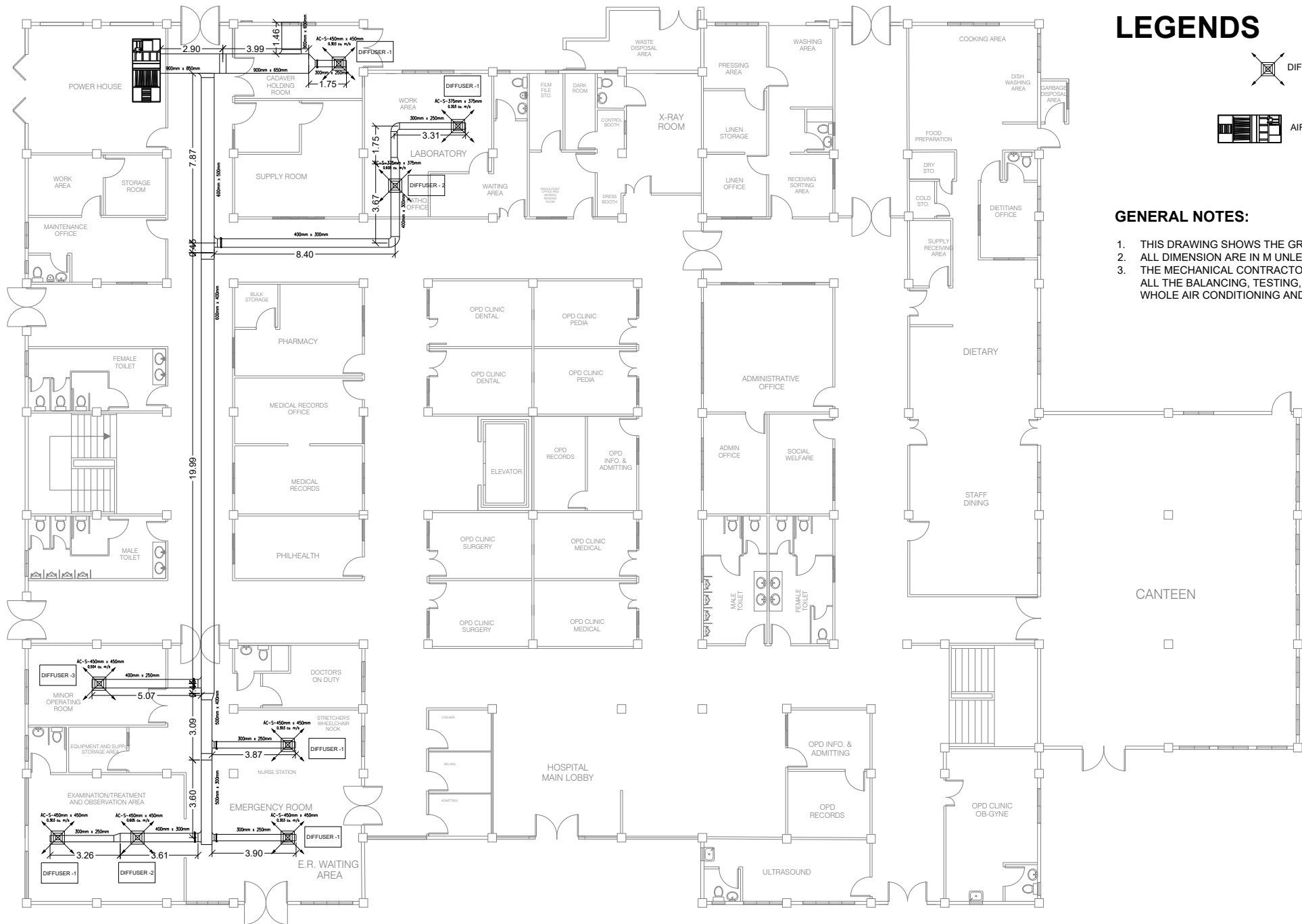
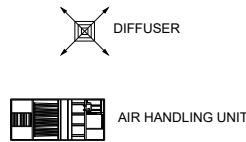


COOLING LOAD SCHEDULE		
UNIT TYPE	QUANTITY	CAPACITY (CU. M/S)
DIFFUSER-1	5	0.303
DIFFUSER-2	2	0.605
DIFFUSER-3	1	0.504



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
ENGR. MARK KERVIN N. ABU
MECHANICAL ENGINEER
SECTION: ME - 5103
GROUP NO: 12
DATE SUB: JANUARY 07, 2020

INSTRUCTOR
ENGR. ALLAN B. DE VILLA
PROFESSIONAL MECHANICAL ENGINEER
PRC Reg No.
PTR No.
TIN:
Issued on:
Issued at:

PROJECT / LOCATION:
PROPOSED THREE STOREY HOSPITAL
BATANGAS CITY

OWNER
TEAM ABU
ENGR. RONIEL A. AZUCENA
PRESIDENT

PREPARED BY:
ABU, MARK KERVIN N.
AZUCENA, RONIEL A.
CASTILLO, JOHN ADRIAN M.
No. 1
2
3
REVISIONS
DRAWING DETAILS
DRAWING DETAILS
DRAWING DETAILS
DATE
12/10/2019
12/22/2019
01/07/2020

SHEET CONTENT
GROUND FLOOR DUCTING LAYOUT

SHEET NO.
**M
6**