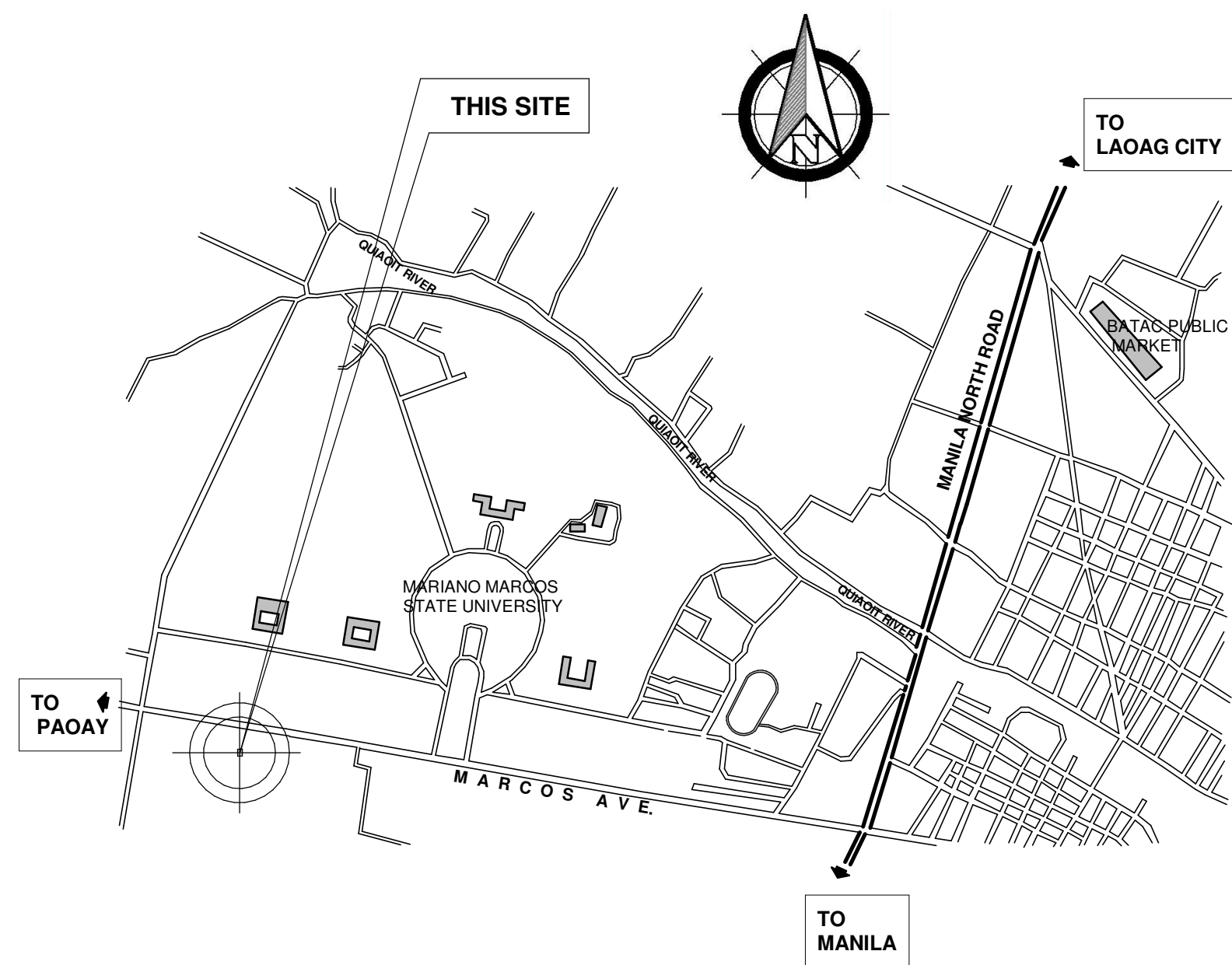




1 PERSPECTIVE VIEW




2 LOCATION MAP

Exhaust Fan						
Designation	Qty	Exhaust Air Flow, [cfm]ASHRAE 62.1, [cfm]	Static Pressure, [in. WC]	Exhaust Fan Power [Watts]	Motor Input [Watts]	Type
1F - Molecular Room	1	150	1	27.09	33.86	Ceiling Ducted
1F - Preparation Room	1	150	1	27.09	33.86	Ceiling Ducted
1F - Chemical Storage Room 1	1	50	1	9.03	11.29	Ceiling Ducted
1F - Chemical Storage Room 2	1	50	1	9.03	11.29	Ceiling Ducted
1F - Monitoring Room	1	50	1	9.03	11.29	Ceiling Ducted
2F - Pantry	1	150	0.5	13.54	16.93	Wall Ducted
2F - Analytical Laboratory	2	175	1	31.60	39.50	Ceiling Ducted
2F - Laboratory 2	1	150	1	27.09	33.86	Ceiling Ducted
2F - Laboratory 3	1	150	1	27.09	33.86	Ceiling Ducted
1F - PWD CR	1	50	1	9.03	11.29	Ceiling Ducted
1F - Male Comfort Room 1	2	100	1	18.06	22.57	Ceiling Ducted
1F - Female Comfort Room 1	2	100	1	18.06	22.57	Ceiling Ducted
2F - Male Comfort Room 2	2	100	1	18.06	22.57	Ceiling Ducted
2F - Female Comfort Room 2	2	100	1	18.06	22.57	Ceiling Ducted
2F - Storage Room 1	1	50	1	9.03	11.29	Ceiling Ducted
2F - Storage Room 2	1	50	1	9.03	11.29	Ceiling Ducted
2F - Analytical Laboratory CR	1	50	1	9.03	11.29	Ceiling Ducted
2F - Office Chief	1	50	1	9.03	11.29	Ceiling Ducted

Indoor Unit												
Designation	Type	Qty	Cooling Capacity (kw)		Cooling Capacity (btuh)		Piping Connections (mm)		Input Power (H / M / L)	Power Supply (Volts/Hz/Phase)	FLA (A)	Weight (kg)
			Total Cooling	Sensible Cooling	Total Cooling	Sensible Cooling	Liquid	Gas				
2F - Laboratory 3	Ceiling Cassette 4-Way	1	9.3	6.6	31,885	22,628	9.52	15.88	40 / 34 / 27	220-240V / 50Hz/60Hz / 1Ph	0.2	20.8
2F - Laboratory 2	Ceiling Cassette 4-Way	1	6.2	4.2	21,257	14,400	9.52	15.88	28 / 23 / 20	220-240V / 50Hz/60Hz / 1Ph	0.2	15
2F - Analytical Laboratory 1/2	Ceiling Cassette 4-Way	1	6.2	4.2	21,257	14,400	9.52	15.88	28 / 23 / 20	220-240V / 50Hz/60Hz / 1Ph	0.2	15
2F - Analytical Laboratory 2/2	Ceiling Cassette 4-Way	1	10.9	7.7	37,371	26,400	9.52	15.88	70 / 53 / 43	220-240V / 50Hz/60Hz / 1Ph	0.6	23.5
2F - Staff Office	Wall Mounted	1	5.8	4.0	19,885	13,714	6.35	12.7	32 / 26 / 16	220-240V / 50Hz/60Hz / 1Ph	0.5	12.2
2F - Chief Office	Wall Mounted	1	3.7	2.6	12,685	8,914	6.35	12.7	15 / 13 / 11	220-240V / 50Hz/60Hz / 1Ph	0.3	8.4
2F - Meeting Room	Ceiling Cassette 4-Way	1	10.9	7.7	37,371	26,400	9.52	15.88	70 / 53 / 43	220-240V / 50Hz/60Hz / 1Ph	0.6	23.5
2F - Pantry	Wall Mounted	1	7.3	5.1	25,028	17,485	9.52	15.88	39 / 26 / 16	220-240V / 50Hz/60Hz / 1Ph	0.5	12.2
1F - Laboratory 1	Ceiling Cassette 4-Way	1	6.2	4.2	21,257	14,400	9.52	15.88	28 / 23 / 20	220-240V / 50Hz/60Hz / 1Ph	0.2	15
1F - Preparation Room	Ceiling Cassette 4-Way	1	6.2	4.2	21,257	14,400	9.52	15.88	28 / 23 / 20	220-240V / 50Hz/60Hz / 1Ph	0.2	15
1F - Molecular Room	Ceiling Cassette 4-Way	1	6.2	4.2	21,257	14,400	9.52	15.88	28 / 23 / 20	220-240V / 50Hz/60Hz / 1Ph	0.2	15
1F - Tissue Culture	Ceiling Cassette 4-Way	1	6.2	4.2	21,257	14,400	9.52	15.88	28 / 23 / 20	220-240V / 50Hz/60Hz / 1Ph	0.2	15
1F - Office	Wall Mounted	1	7.3	5.1	25,028	17,485	9.52	15.88	39 / 26 / 16	220-240V / 50Hz/60Hz / 1Ph	0.5	12.2
1F - Monitoring Room	Wall Mounted	1	2.3	2.6	7,998	4,798	6.35	12.7	15 / 13 / 11	220-240V / 50Hz/60Hz / 1Ph	0.3	8.4

Outdoor Unit															
Mode Name	Qty	Total Capacity (kw)		Corrected Capacity (btuh)	Rated Power Input (kw)	Corrected Power Input (kw)	Refrigerant	Piping Connections (mm)		Power Supply			Sound Power Level (dB(A))	Weight (kg)	Dimension (mm) (W x H x D)
		Total Cooling	Total Heating	Total Cooling	Cooling	Cooling		Liquid	Gas	Volts/Hz/Phase	MCA (A)	MOP (A)			
ARUV336BTE5	1	98.5	0.0	95.8	24.0	20.3	R410A	19.05	34.9	220-240V / 50Hz/60Hz / 3Ph	107.5	130	86.8	(274x1) + (188x1)	(1240 x 1690 760) x 1 + (930 x 1690 x 760) x 1

3 SCHEDULE OF EQUIPMENT

 <p>PHYSICAL PLANNING AND DEVELOPMENT OFFICE 2/F 202 ADMINISTRATION BLDG. MARIANO MARCOS STATE UNIVERSITY CITY OF BATAC, 2906 ILOCOS NORTE TELEFAX: +63 (77)792-3191</p>	<p>FROM THE OFFICE:</p>	<p>DRAWN BY: BJAY A. DAYANG DRAFTSMAN I</p>	<p>SIGNED & SEALED BY: _____ PROFESSIONAL MECHANICAL ENGINEER</p>	<p>PROJECT TITLE: CONSTRUCTION OF RDE BUILDING PHASE III</p>	<p>CONFORME: BJORN S. SANTOS DIRECTOR, RESEARCH</p>	<p>APPROVED BY: _____ UNIVERSITY PRESIDENT</p>	<p>SHEET CONTENTS: PERSPECTIVE VIEW LOCATION MAP SCHEDULE OF EQUIPMENT</p>	<p>SHEET NO: M-1 1 18</p>
	<p>PREPARED BY: DENNIS CLYDE G. ACANTILADO MECHANICAL ENGINEER</p>	<p>PRC NO.: PTR: PLACE ISSUED: DATE: TIN:</p>	<p>LOCATION: MMSU CRL-CITY OF BATAC, ILOCOS NORTE</p>	<p>RECOMMENDING APPROVAL: ROMEO R. DULDULO DIRECTOR, PPDO</p>	<p><small>Drawings and specifications and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property and documents of the architect, whether the object for which they are made is executed or not. It shall be unlawful for any person to duplicate or to make copies of said documents for use in the repetition of and for other project or building, whether executed party or in whole, without the written consent of architect or author of said document. Art. IV-Sec. 33RA9266</small></p>			