	MARIANO MARCOS STATE UNIVERSITY		Document Code	PD-FRM-002
	Procurement Division		Revision No.	5
	Request for Quotation (RFQ) (Goods and Services)		Effectivity Date	April 20, 2022

REQUEST FOR QUOTATION (RFQ)

Date: *June 10, 2022*
 PR No. *2022-06-195 (05220644)*

Sir/Madam:

Please quote your lowest price on the item/s listed below, and submit your quotation duly signed by you or your duly authorized representative not later than **3 days** subject to the Terms and Conditions provided at the last page of this RFQ.

Delivery period must be at least within 30 days upon receipt of the Notice to Proceed or Purchase Order.

For any clarification, you may email us at bac@mmsu.edu.ph.


NATHANIEL R. ALIBUYOG
 BAC Chair

ITEM	QTY	Unit	ITEM DESCRIPTION	ABC/unit	UNIT PRICE
	2	unit	AIRCON, Airconditioning unit, 1.5 TR, 2 HP, 5.27 KW, 18,000 BTUh, 19,080KJ/H, Multi-split Type Wall Mounted-VFD Type (Inverter)	55,000.00	
			xxx		

TOTAL ESTIMATED BUDGET: 110,000.00

REMARKS/NOTE: _____

After having carefully read and accepted your Terms and Conditions, I/we submit our quotation/s on the item/s at prices indicated above.

Business Name: _____ Signature over Printed Name
 Business Address: _____
 Printed Name of the Owner: _____ Tel. No./Cellphone No./e-mail address
 TIN: _____ Date
 PhilGEPS Registration Number: _____
 Business Permit: _____

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Omnibus Sworn Statement: _____
Annual Income Tax Return: _____

Canvassed by: _____

TERMS AND CONDITIONS:

1. Bidders shall provide correct and accurate information required in this form.
2. Bidders may quote for any or all of the items.
3. Bidders shall submit a copy of the following documents along with the Quotation:
 - a. PhilGEPS Registration Number
 - b. Mayor's Permit / Business Permit
 - c. Omnibus Sworn Statement (for ABC's above P 500,000.00)
 - d. Income/Business Tax Return (for ABC's above P 500,000.00)
 - e. Certificate of Public Conveyance (CPC) for vehicle rentals and truckings
4. Price quotation/s, to be denominated in Philippine peso, shall include all taxes, duties and/or levies payable.
5. Quotations exceeding the Approved Budget for the Contract shall be rejected.
6. Award of contract shall be made to the lowest quotation which complies with the minimum technical specifications and other terms and conditions stated herein.
7. Any interlineations, erasures or overwriting shall be valid only if they are signed or initialed by you or any of your duly authorized representative/s.
8. The item/s shall be delivered according to the requirements specified in the Technical Specifications.
9. The University has the right to inspect and/or test the goods to confirm their conformity to the technical specifications.
10. Liquidated damages equivalent to one tenth of one percent (0.1%) of the value of the goods not delivered within the prescribed delivery period shall be imposed per day of delay.

MARIANO MARCOS STATE UNIVERSITY
COOLING LOAD ESTIMATES

Project: PROVISION OF AIR CONDITIONING UNIT
Location: COE STUDENT COUNCIL OFFICE
Date: 19-May-22

Space: Student council office
Time of Day: 16:00 4:00pm

Conduction:

Surface	Facing	QTY	Dimension		Area, m ²	Net Area, ft ²	U	Cooling			
			Length	Width				AT	CLTD	CLF	btuh
Wall	North	1	12	2.7	32.40	286.65	0.482		24		3,315.96
Wall Partition	West	1	12	2.7	32.40	348.78	0.386	20			2,692.62
Wall Partition	East	1	12	2.7	32.40	348.78	0.386	20			2,692.62
Wall	South	1	12	2.7	32.40	297.37	0.482		28		4,073.32
Floor	H	1	6	6	36.00	387.54					0.00
Door	South	1	0.9	2.1	1.89	20.35	0.389		28		221.61
Roof	H	1	6	6	36.00	387.54	0.435		77		12,980.61
Roof											0.00
Roof											0.00
Glass	North	2	1.48	1.95	5.77	62.14	0.566		55		1,934.27
Glass	South	1	1.48	1.95	2.89	31.07	0.566	20			351.69
Subtotal =											26,202.69

Solar Transmission

Surface	Facing	Quantity	Dimension		Area, m ²	Net Area, ft ²	SHGF	SC	CLF	btuh	
			Length	Width							
Glass	North	2	1.48	1.95	5.77	62.135	52.00	0.5	0.82	with shading	1,324.73
Glass	South	1	1.48	1.95	2.886	31.068	41.00	0.5	0.82	with shading	522.25
Glass											0.00
Subtotal =											1,846.97

Internal Sensible Heat

Source	Quantity	Factor	GLF	btuh
Occupants	5	256.00	0.84	1,075.20
Lights	324	1.00	1.00	1,104.84
Appliances	916	1.00	1.00	3,123.56
Power	0			0.00
Total Sensible Cooling =				5,303.60

Internal Latent Heat

Source	Quantity	Factor	CLF	btuh
Occupants	5	188.00	1.00	940.00
Lights	324			0.00
Appliances	1353			0.00
Power				0.00
Total Latent Cooling =				940.00

Total Cooling Load =

36,293.26

Rated Cooling Capacity

Type	Qty	BTUh	TR	KJ/H	KW	HP
Calculated		36,293.26	3.02	38,470.86	10.63	3.78
Selected	2	18,146.63	1.51	19,235.43	5.32	1.89
Floor Area m ² =		36.00				
m ² /ton =		11.90				

- Note:
1. the selected ACU shall have a cooling load not less than the calculated cooling load in this spreadsheet.
 2. select an inverter type or variable frequency drive ACU, 230V / 1 phase / 60 hz

Prepared by



Deming C. Acantilado
Deming C. ACANTILADO
Mechanical Engineer
MMSU PPDO

Mar 19, 2022

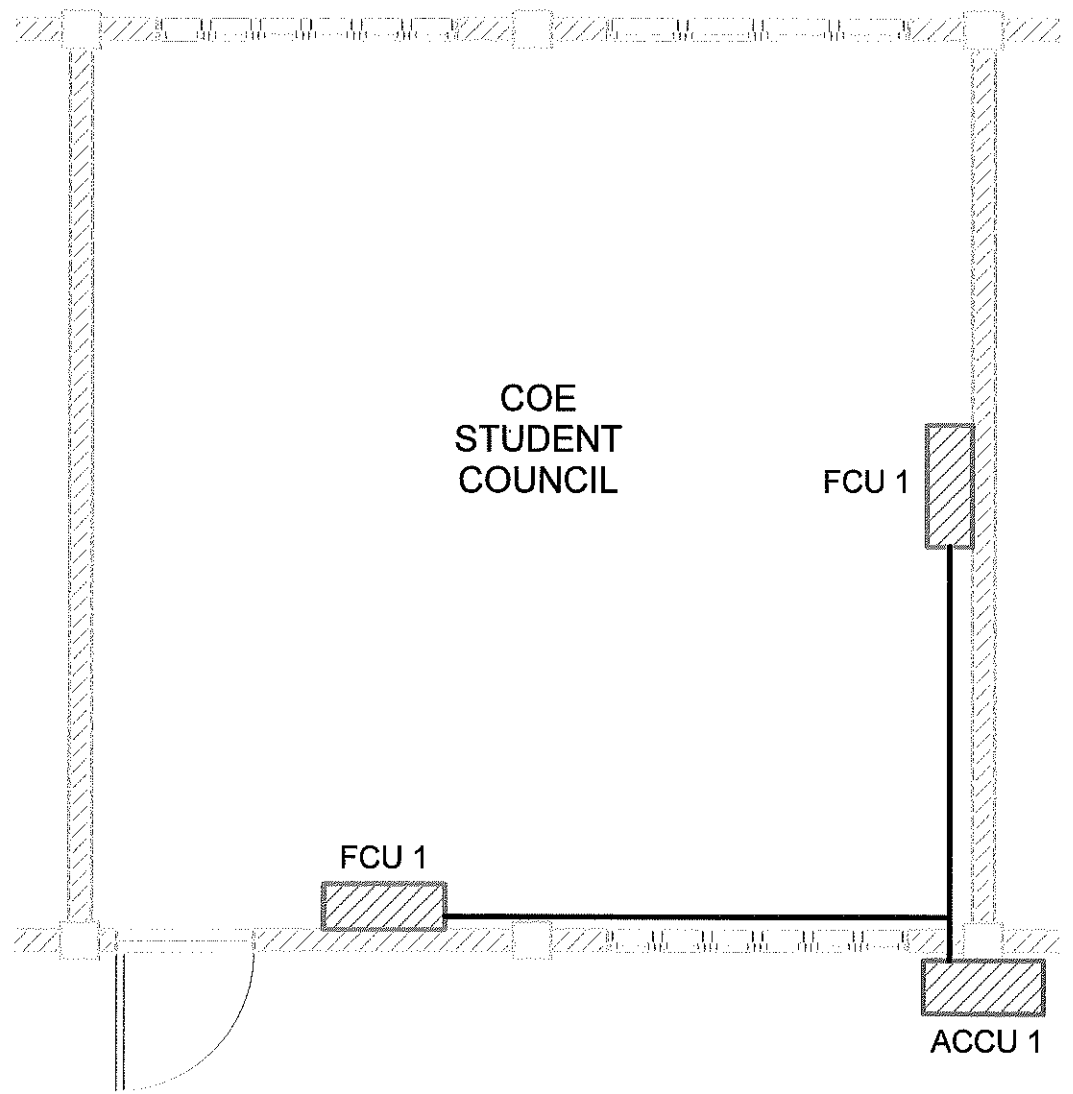


Air-Conditioning Unit Schedule								
Designation	Location	Qty	Description	Cooling Capacity			HP	V/hz/ph
				Btu/h	Kj/h	TR		
ACU 1	COE STUDENT COUNCIL OFFICE	2	Multi-Split Type Wall Mounted - VFD Type (Inverter) Koppel Full DC Inverter	36,000	37,980	3.0	4.0	230/60/1



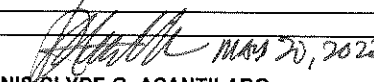
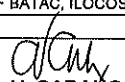
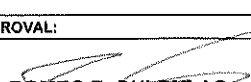
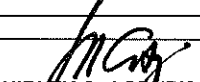
SCHEDULE OF EQUIPMENT

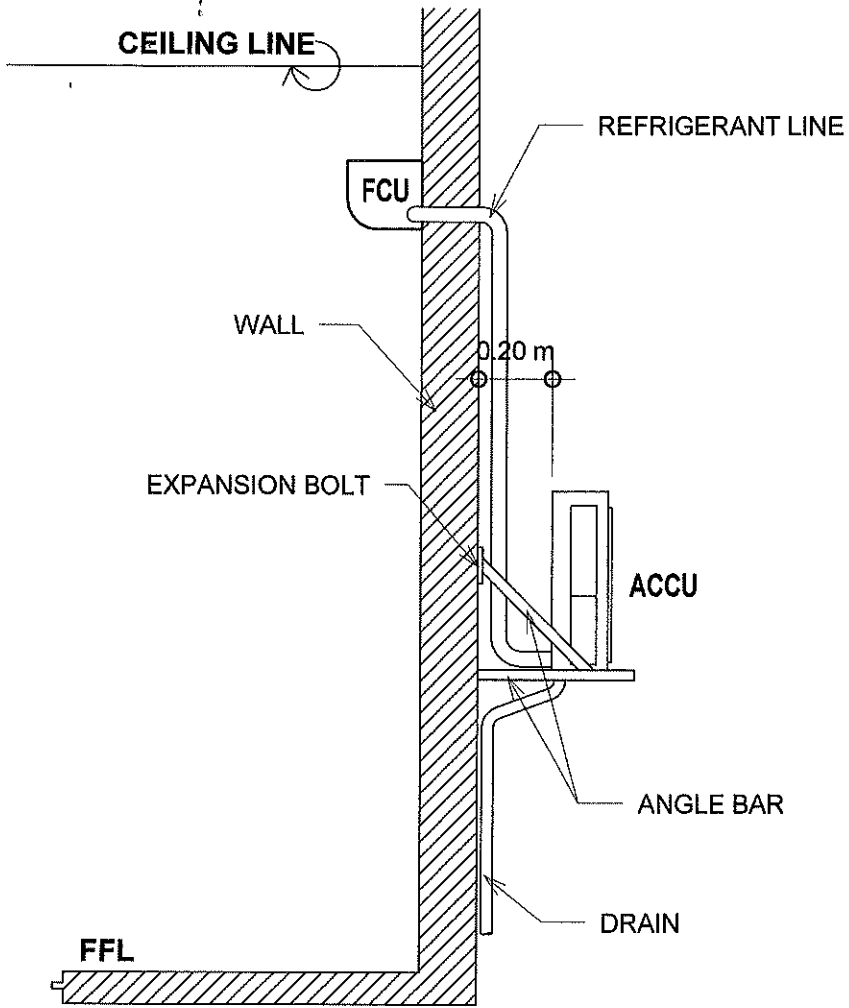
-  - OUTDOOR UNIT (ACCU)
-  - INDOOR UNIT (FCU)

LEGEND / SYMBOL

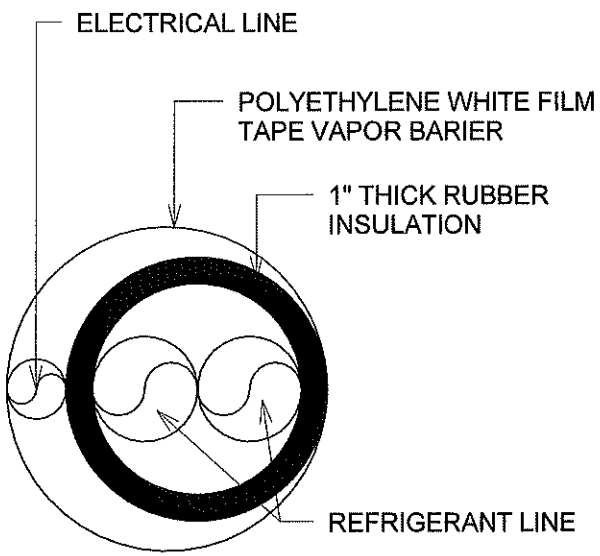


PARTIAL FLOOR PLAN
SCALE 1:100m

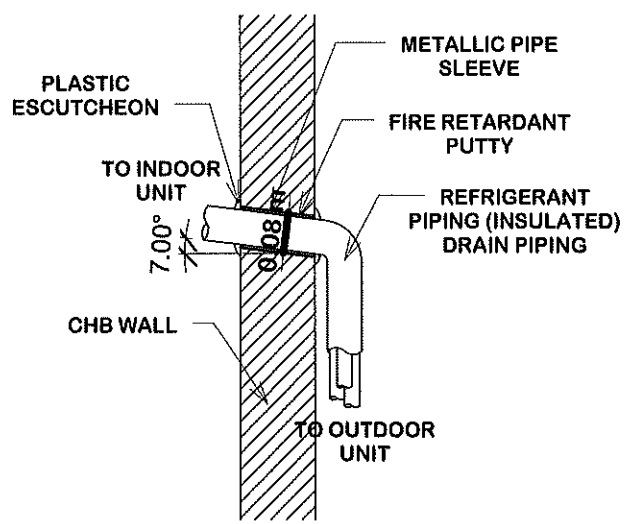
	DRAWN BY: BJAY A. DAYANG DRAFTSMAN I	PROJECT TITLE: PROVISION OF AIR-CONDITIONING UNIT	CONFORME:  EDMUND EDISON A. ESTEBAN DEAN, COE	SHEET CONTENT: AS SHOWN	SHEET NO:
	PREPARED BY:  DENNIS CLYDE G. ACANTILADO MECHANICAL ENGINEER	CHECKED/REVIEWED BY:  AIDA V. CABANG ARCHITECT IV, CHIEF-PHYSICAL PLANNING SECTION	RECOMMENDING APPROVAL:  ROMEO R. DULDULAG DIRECTOR, PPDO	APPROVED BY:  SHIRLEY C. AGRUPIS UNIVERSITY PRESIDENT	



SIDE VIEW




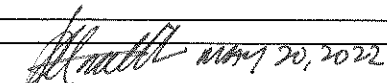

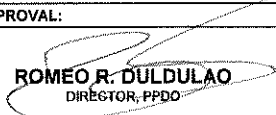
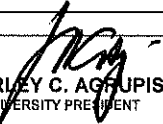


REFRIGERANT LINE DETAILS



PIPE THROUGH WALL INSTALLATION

AIR-CONDITIONING UNIT DETAIL

	DRAWN BY:  BJAY A. BAYANG DRAFTSMAN I	PROJECT TITLE: PROVISION OF AIR-CONDITIONING UNIT	CONFORME:  EDMUND EDISON A. ESTEBAN DEAN, COE	SHEET CONTENT: AS SHOWN	SHEET NO.:
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