



LANDBANK

SERVING THE NATION



BAGONG PILIPINAS

SUPPLEMENTAL/BID BULLETIN NO. 1
For LBP-GIBAC-ITB-GS-20240207-01(2)

PROJECT : **Airconditioning Units for LANDBANK La Union Corporate Center**
IMPLEMENTOR : **GI-BAC Secretariat**
DATE : **May 16, 2024**

This Supplemental/Bid Bulletin is issued to modify, amend and/or clarify certain items in the Bid Documents. This shall form an integral part of the Bid Documents.

Modifications, amendments and/or clarifications:

- 1) The bidder/s are encouraged to use the Bid Securing Declaration as Bid Security.
- 2) The Terms of Reference (Annexes D-1 to D-16), Technical Specifications (Section VII) and Checklist of Bidding Documents (Item No. 12 of Technical Documents) have been revised. Please see attached revised Annexes D-1 to D-16 and specific sections of the bidding documents.
- 3) Pre-termination/Termination of the Contract
 - Pre-termination/Termination of Contract shall be governed by the guidelines on Termination of Contracts per Annex "I" of the 2016 Revised Implementing Rules and Regulations
 - In addition to the grounds under the said Guidelines for Contract Termination the following are also grounds for pre-termination/termination:
 - Failure by the service provider to performs its obligation thereon;
 - Unsatisfactory Performance by the service provider within the contract duration
- 4) For Liquidated Damages: LANDBANK need not prove that it has incurred actual damages to be entitled to liquidated damages. Such amount shall be deducted from any money due or which may become due to Supplier. In case the total sum of liquidated damages reaches ten percent (10%) of the total contract price, LANDBANK may rescind the contract and impose appropriate sanctions over and above the liquidated damages to be paid.
- 5) The bidder/s shall be guided by the following provisions in submitting the original bid security as applicable:
 - Section 27.1 of the Revised Implementing Rules and Regulations of Republic Act No. 9184
 - Section 9.2 of the Guidelines for Electronic Bidding (Appendix 3)
 - Section 6.1.4 of the Revised Guidelines on Electronic Bidding (Appendix 36)

By the authority of the GI-BAC


ATTY. HONORIO T. DIAZ, JR.
Head, GI-BAC Secretariat

Technical Specifications

Specifications	Statement of Compliance						
<p style="text-align: center;">Air-Conditioning Units for LANDBANK San Fernando (La Union) Corporate Center</p> <p>Specifications, drawings and other requirements are stated in the following annexes:</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 2px 5px;">Annexes D-1 to D-11 (with Revised Annexes D-8 to D-12)</td> <td style="padding: 2px 5px;">Terms of Reference</td> </tr> <tr> <td style="padding: 2px 5px;">Annexes D-12 to D-16</td> <td style="padding: 2px 5px;">Drawings</td> </tr> <tr> <td style="padding: 2px 5px;">Annex E</td> <td style="padding: 2px 5px;">Bill of Quantities</td> </tr> </table> <p>The documentary requirements enumerated in Section II (Qualification and Documentary Requirements) of the Terms of Reference in Annex D-5 shall be submitted in support of the compliance of the Bid to the technical specifications and other requirements.</p> <p>Non-submission of the above documents may result in the post-disqualification of the bidder.</p>	Annexes D-1 to D-11 (with Revised Annexes D-8 to D-12)	Terms of Reference	Annexes D-12 to D-16	Drawings	Annex E	Bill of Quantities	<p style="text-align: center;">Bidders must signify their compliance to the Technical Specifications/Terms of Reference by stating below either “Comply” or “Not Comply”</p> <p>Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.</p>
Annexes D-1 to D-11 (with Revised Annexes D-8 to D-12)	Terms of Reference						
Annexes D-12 to D-16	Drawings						
Annex E	Bill of Quantities						

Conforme:

Name of Bidder

Signature over Printed Name of
Authorized Representative

Position

6. The prospective bidder's computation for its Net Financial Contracting Capacity (NFCC) following the sample form (Form No. 5), or in the case of Procurement of Goods, a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.
- **Eligibility Documents – Class “B”**
7. Duly signed valid joint venture agreement (JVA), in case the joint venture is already in existence. In the absence of a JVA, duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful shall be included in the bid. Failure to enter into a joint venture in the event of a contract award shall be ground for the forfeiture of the bid security. Each partner of the joint venture shall submit its legal eligibility documents. The submission of technical and financial eligibility documents by any of the joint venture partners constitutes compliance, provided, that the partner responsible to submit the NFCC shall likewise submit the statement of all its ongoing contracts and Audited Financial Statements.
 8. For foreign bidders claiming by reason of their country's extension of reciprocal rights to Filipinos, Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.
 9. Certification from the DTI if the Bidder claims preference as a Domestic Bidder.
- **Technical Documents**
10. Bid Security (if in the form of a Surety Bond, submit also a certification issued by the Insurance Commission).
 11. Section VI – Schedule of Requirements with signature of bidder's authorized representative.
 12. **Revised Section VII** – Specifications with response on compliance and signature of bidder's authorized representative.
 13. Duly notarized Omnibus Sworn Statement (OSS) (sample form - Form No. 6).

Note: During the opening of the first bid envelope (Eligibility and Technical Component) only the above mentioned documents will be checked by the BAC if they are all present using a non-discretionary “pass/fail” criterion to determine each bidder's compliance with the documents required to be submitted for eligibility and the technical requirements.

TERMS OF REFERENCE

A. Name and Description of the Project:

One (1) lot – Supply, Delivery, Installation, Testing and Commissioning of Air-Conditioning Units, complete with standard accessories per manufacturer's standards for LANDBANK La Union Corporate Center including dismantling of existing units.

B. Objective of the Project:

1. To properly ventilate the Office area.
2. To maintain the corporate image of the Bank.
3. To provide a conducive banking and working area.

C. Scope of the Project and Delivery Time/Completion:

1. Supply, delivery and installation	<ul style="list-style-type: none">➤ Mobilization of manpower and equipment/tools at LANDBANK Bldg., Quezon Avenue, San Fernando City, La Union 2500Ground Floor➤ Five (5) units - 2.0TR Wall Mounted, split type air-conditioning units (Inverter Type)➤ Four (4) units - 3.0 TR Ceiling Mounted, split type air-conditioning units (Inverter Type)➤ Two (2) units - 5.0TR Floor Mounted, split type air-conditioning units (Inverter Type)➤ Dismantling of existing units (7 units)Second Floor➤ One (1) unit - 2.0TR Wall Mounted, split type air-conditioning units (Inverter Type)➤ Six (6) units - 3.0 TR Ceiling Mounted, split type air-conditioning units (Inverter Type)➤ Two (2) units - 5.0TR Floor Mounted, split type air-conditioning units (Inverter Type)➤ Dismantling of existing units (6 units) ➤ Installation, testing and commissioning➤ Cleaning-up works and demobilization➤ Note: Consider separate installation and delivery date for each floors due to the actual renovation phasing at the site➤ For technical specifications:<ul style="list-style-type: none">• 2.0TR Wall Mounted, split type air-conditioning unit (Inverter Type) – see attachment 1• 3.0TR Floor Mounted, split type air-conditioning unit (Inverter Type) – see attachment 2• 3.0TR Ceiling Mounted, split type air-conditioning unit (Inverter Type) – see attachment 3• 5.0TR Floor Mounted, split type air-conditioning unit (Inverter Type) – see attachment 4
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Revised 05/10/24
Annex D-1

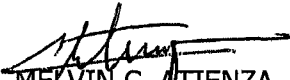
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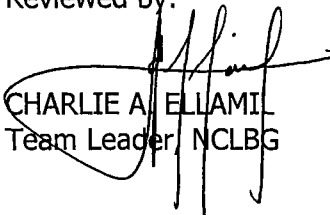
ACU TOR: Rev. May 28, 2021

2. Installation Schedule	Monday to Sunday or per coordination with end-user/s
3. Installation Period	Thirty (30) calendar days <i>4</i> upon receipt of Notice to Proceed (NTP) and Advice from PMED as to availability of project site
4. I. General Notes II. Qualification and Documentary Requirements III. Billing Requirements IV. Payment Terms	See Annex A
5. Refrigerant Pipe Insulation Details, Schematic Piping Diagram and Electrical Riser Diagram	See Annex B
6. Start-up Data Sheet	See Annex C

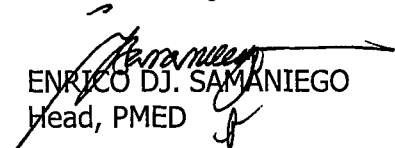
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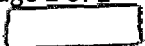
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I. General Notes

1. Piping, Electrical and Accessories

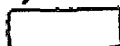
- a. Refer to Annex B for refrigerant pipe insulation detail, schematic piping diagram and electrical riser diagram;
- b. Refrigerant piping shall be TYPE-M, Hard Drawn Seamless Copper using the standard pipe size recommended by the manufacturer;
- c. Pipes shall be anchored, plumbed and parallel to the building's vertical and horizontal lines. Pipe hangers and supports shall be of the type as specified. Pipe sleeves thru walls and wall penetrations, roofs and floors shall be provided by the supplier/installer. The gap between the pipe and the pipe sleeves must be provided with water proofing and sealant;
- d. All piping shall be leak tested with pressure of at least 1.5 times the designed working pressure;
- e. Refrigerant suction line shall be insulated with pre-moulded elastomeric rubber insulation 15 mm thick for 3.0 TR and below, and 25 mm thick for 5.0 TR up to 10 TR. Insulation installed outdoor shall be provided with weather proof coating;
- f. Without additional cost to the bank, the supplier/installer shall supply and install the following components/parts if not included in the unit's standard accessories (for split-type units with capacities of 2.0 TR and above)
 - Liquid Line Filter Drier, Flare-type
 - Magnetic Contactor with External Thermal Overload
 - On-Delay Timer
 - Plug-in type High and Low Pressure Switches
- g. Provide NEMA type, UL listed bolt-on circuit breakers for FCU and ACCU
- h. Use EMT for electrical pipes and stranded THHN wires for feeder lines;
- i. Use color blue, schedule 40 PVC pipe for drain lines using the appropriate size recommended by the manufacturer, but not less than 1 inch in diameter.

2. Other Requirements:

- a. Prospective ACU contractors are encouraged to inspect, verify and assess the existing condition, location and details of the project;
- b. All equipment, units and parts/components to be supplied shall be brand new, clean and approved products of reputable manufacturers;
- c. All works shall conform to the provisions (latest edition) of the Philippine Mechanical, Electrical and Building Codes, the Clean Air Act, Environmental Laws and other applicable laws and regulations;
- d. In line with the Bank's Environmental Management System (EMS) program and being an ISO 14001 certified institution, the winning ACU contractor is required to use appropriate equipment, hand tools and personal protective gears and equipment (gloves, rubber boots, masks, etc.) during the installation, repair or maintenance activities;
- e. All equipment shall be installed in approximate location as shown in the mechanical plans;
- f. Any proposed change or deviation from the original mechanical plans or specifications either initiated by the ACU contractor, the end-user or due to actual site condition, must be submitted to LBP-PMED in the form of shop drawing for approval prior to implementation;

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Terms of Reference for the procurement of Air-conditioning Unit (ACU)

- g. The winning ACU contractor should coordinate his works closely with the works of other trades concerned;
- h. Installation of works shall be done in neat workmanship and like manners. All improperly set works, rough finishes or other works not in accordance with the approved plans and specifications as determined by the LBP-PMED engineer or technical representatives shall be removed and replaced within seven (7) calendar days by the ACU contractor at no extra cost;
- i. No existing/old materials shall be re-used; e.g., circuit breakers, electrical and mechanical controls, materials and components, refrigerant pipes, fittings, insulations, etc., unless otherwise specified in the scope of works or technical specifications;
- j. The ACU contractor shall provide all the necessary components or accessories, e.g., brackets, pedestals, clamps, fasteners, air deflectors, etc., to ensure the safe, normal and efficient operation of the installed ACUs;
- k. The ACU contractor shall properly account and turn-over all dismantled/replaced materials to the branch head or its authorized representative/s;
- l. The ACU contractor shall exercise extreme caution and be responsible in the delivery, safe hauling/transfer of supplies, tools, equipment and/or chemicals to prevent damage to bank properties and employees. The corresponding cost to repair or replace the bank equipment, facilities or including part and components damaged or lost by the ACU contractor or its workers during the course of the project shall be deductible/chargeable to the ACU contractor;
- m. The ACU contractor shall be liable for any harm, damage or injury that may be sustained or suffered by its own crew/workers while in the performance of their duties/job under this project;
- n. The ACU contractor shall be held directly responsible for any injury to person and/or damage to bank's property arising from the act, whether partial, contributory, or due entirely to the fault, negligence and/or dishonesty of the contractor's personnel in the course of their duties;
- o. The ACU contractor shall maintain cleanliness of all workplace at all times. They shall clean the affected areas immediately after each workday;
- p. The ACU contractor is required to submit the names of its worker/s who will conduct or inspect the installation. As maybe required, identification cards shall be presented;
- q. The ACU contractor or its foreman/engineer shall coordinate with the Branch Head or its authorized representative to discuss the necessary preparations and work activities prior to implementation of this project;
- r. The ACU contractor shall strictly observe the Bank's existing rules and regulations and shall be subject to the latter's standard security policies and procedures while inside its premises;
- s. Payment of construction bond (if applicable) shall be charged on the account of the ACU contractor;
- t. Should the ACU contractor fails to provide the required warranty servicing within the warranty period per submitted schedule of activities, the ACU contractor agrees, without invalidating the provisions of the warranty that the Bank may opt to contract the services of another ACU contractor/installer for the servicing of the equipment and components. The corresponding cost that will be incurred for the servicing shall be deducted from the ACU contractor's retention money;
- u. Included in the bids or tender and warranty are the cost of consumables, basic replacement of parts, servicing and other incidental expenses of the ACU contractor or its authorized representatives, such as traveling expenses, lodging, food, etc.

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II. Qualification and Documentary Requirements:

Qualification Requirement	Documentary Requirement
1. The quoted brand of prospective ACU contractor must be in the Philippine market for a minimum of five (5) years and must be comparable to the type of Airconditioning Unit being procured (Split type, Variable Refrigerant Flow, etc.)	Copy of purchase orders, contracts or other related documents to prove that the offered brand of ACU has been in the Philippine market for at least five (5) years prior to deadline for the submission of bids.
2. The ACU contractor must have satisfactorily completed/ installed a minimum of four (4) units of ACU using the brand being offered to at least five (5) different institutional clients in the Philippines.	List of at least five (5) different institutional clients with addresses, contact persons and contact details including Certificate of Completion/Acceptance.
3. The ACU contractor must have highly trained technicians who are its regular employees.	List of at least 3 highly trained technicians (regular employees) with their respective Curriculum Vitae, Certificate of Employment and National Certificate II (NC II) for Refrigeration and Air-conditioning Servicing issued by TESDA
4. The quoted brand must have 24/7 Customer Contact Center	List of at least two (2) Service Centers within the province of the project site.
5. The ACU contractor must be an authorized distributor of the offered product.	Manufacturer's Authorization or Back-to-Back Certification to prove that the bidder is an authorized seller/ distributor of the offered product and/or other supporting documents to satisfy the said requirements.
6. The offered product must have brochures or any other official documents	Brochure or any other official documents coming from the manufacturer showing the specifications of the offered product
7. The brand model and specifications of the offered product shall be verifiable from the website of the manufacturer.	Print-out of the Homepage of manufacturer's /brand owner's website showing the URL (web address).
8. The offered product or its manufacturer must be authorized and certified by the approving/governing body.	Bureau of Product Standards (PS), Underwriters Laboratories (UL), European Conformity (CE) or ISO certifications, whichever is available.

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Terms of Reference for the procurement of Air-conditioning Unit (ACU)

III. Billing Requirements

Document	Description	Due Date of Submission
1. Start Up Data Sheet (Annex D)	Duly accomplished form showing the electrical and mechanical parameters of the air-conditioning unit/s	Upon Completion
2. Seven (7) sets of As-built plans and Bill of Materials (signed and sealed by PME)	Complete Mechanical As-built plans and Bill of Materials of the installed air-conditioning units	Upon Completion
3. Schedule of Maintenance/Monitoring Activities	The ACU contractor shall provide the standard warranty servicing for all installed equipment and its components (checking and general cleaning of the unit at least three times within the warranty period, every four (4) months after the unit/s has been installed) or earlier as the need arises. The schedule of said activities and the names of authorized representatives shall be submitted to the Branch Head or its authorized representative prior to servicing	Upon Completion
4. Warranty Certificate with inclusive dates	One (1) year warranty for the unit and five (5) years warranty for compressor against factory/manufacturing defects on equipment, components and parts supplied and against faulty workmanship to commence upon receipt of final turn-over and acceptance documents. All equipment, parts and components found defective during and within the warranty period shall be immediately replaced without additional cost to the Bank	Upon Completion
5. Guarantee Certificate	Certificate that the spare parts and components including the aftersales services/supports that may be required by the bank to ensure the continuous and normal operation of the equipment shall be available in the next five (5) years from the date of commissioning	Upon Completion
6. Manuals	Operation and Preventive Maintenance Manual	Upon Completion
7. Pictures	Pictures showing angles on the left, front and right	Upon Completion
8. Certificate of Training	Certificate that the contractor conducted familiarization seminar/training to orient the end-user on the basic concept, functions and operation of the equipment installed. Said certificate must be duly noted by the end-user or its authorized representative.	Upon Completion

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Terms of Reference for the procurement of Air-conditioning Unit (ACU)

IV: Payment Terms:

1. Request for payment for every completed project/installation shall be entertained after the final turn-over and acceptance of the project and upon submission of complete billing documents required by the Procurement Department;
2. Manner of Payment shall be based on the following:

Deliverables	Documents to be Submitted	Percentage of Payment
• Upon 100% completion and acceptance of the project	Documents as required in item III. Billing Requirements	97%
• Retention fee: After 1 year of final turnover of the project	Service Reports that the contractor conducted the warranty servicing	3%
TOTAL		100%


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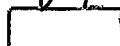
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Revised 05/10/24

D-7


2.0 TR Wall Mounted (Inverter Type)

Features	LBP SPECIFICATIONS
Fan Coil Application Type	Wall Mounted
Cooling Capacity, minimum	20,000 Btu/hr <i>or</i> 21,000 kJ/hr <i>or</i> 5.83 kW (whichever of the three)
Energy Efficiency Ratio (EER), minimum	9.7 Btu/W-hr <i>or</i> 10.3 kJ/W-hr <i>or</i> 2.86 W/W-hr (Whichever of the three)
Air-Flow (Hi/Mid/Lo), minimum	(988/776/562) CMH <i>or</i> (16/12/9) CMM <i>or</i> (581/456/330) CFM (Whichever of the three)

Features	Unit	LBP SPECIFICATIONS
Power Supply	V-Hz	220-240, 60
Phase	Ø	single
System Power Input, max	Watts	2,600
Sound Pressure Level (Indoor), max	dB(A)	65
Compressor Type		Scroll/Rotary
Refrigerant		R-410A/R-32
Controls		remote

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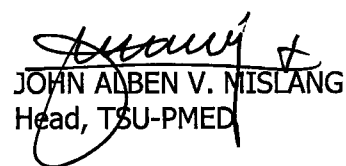


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Revised 05/10/24
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3.0 TR Floor Mounted (Inverter Type)

Features	LBP SPECIFICATIONS
Fan Coil Application Type	Floor Mounted
Cooling Capacity, minimum	34,000 Btu/hr <i>or</i> 35,800 kJ/hr <i>or</i> 9.90 kW (whichever of the three)
Energy Efficiency Ratio (EER), minimum	9.7 Btu/W-hr <i>or</i> 10.3 kJ/W-hr <i>or</i> 2.86 W/W-hr (Whichever of the three)
Air-Flow (Hi/Mid/Lo), minimum	(1410/1140/562) CMH <i>or</i> (23/19/14) CMM <i>or</i> (829/670/494) CFM (Whichever of the three)

Features	Unit	LBP SPECIFICATIONS
Power Supply	V-Hz	220-240, 60
Phase	∅	single
System Power Input, max	Watts	3,900
Sound Pressure Level (Indoor), max	dB(A)	65
Compressor Type		Scroll/Rotary
Refrigerant		R-410A/R-32
Controls		remote

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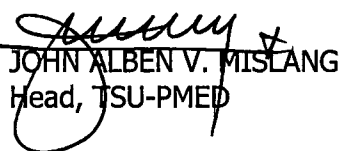
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Revised 05/10/24
D-9

3.0 TR Ceiling Mounted (Inverter Type)

Features	LBP SPECIFICATIONS
Fan Coil Application Type	Ceiling Mounted
Cooling Capacity, minimum	34,000 Btu/hr <i>or</i> 35,800 kJ/hr <i>or</i> 9.90 kW (whichever of the three)
Energy Efficiency Ratio (EER), minimum	9.7 Btu/W-hr <i>or</i> 10.3 kJ/W-hr <i>or</i> 2.86 W/W-hr (Whichever of the three)
Air-Flow (Hi/Mid/Lo), minimum	(1200/1080/960) CMH <i>or</i> (20/18/16) CMM <i>or</i> (706/635/565) CFM (Whichever of the three)

Features	Unit	LBP SPECIFICATIONS
Power Supply	V-Hz	220-240, 60
Phase	Ø	single
System Power Input, max	Watts	3,900
Sound Pressure Level (Indoor), max	dB(A)	65
Compressor Type		Scroll/Rotary
Refrigerant		R-410A/R-32
Controls		remote

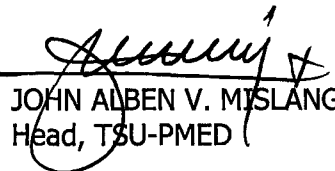
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Revised 05/10/24
D-10

5.0 TR Floor Mounted (Inverter Type)

Features	LBP SPECIFICATIONS
Fan Coil Application Type	Floor Mounted
Cooling Capacity, minimum	55,000 Btu/hr <i>or</i> 58,000 kJ/hr <i>or</i> 16.0 kW (whichever of the three)
Energy Efficiency Ratio (EER), minimum	9.7 Btu/W-hr <i>or</i> 10.3 kJ/W-hr <i>or</i> 2.86 W/W-hr (Whichever of the three)
Air-Flow (Hi/Mid/Lo), minimum	(2200/1700/1500) CMH <i>or</i> (36/28/25) CMM <i>or</i> (1294/1000/882) CFM (Whichever of the three)

Features	Unit	LBP SPECIFICATIONS
Power Supply	V-Hz	220-240, 60
Phase	∅	three
System Power Input, max	Watts	6,300
Sound Pressure Level (Indoor), max	dB(A)	65
Compressor Type		Scroll/Rotary
Refrigerant		R-410A/R-32
Controls		remote

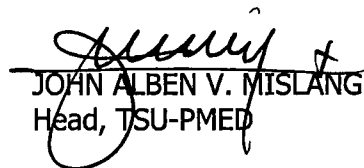
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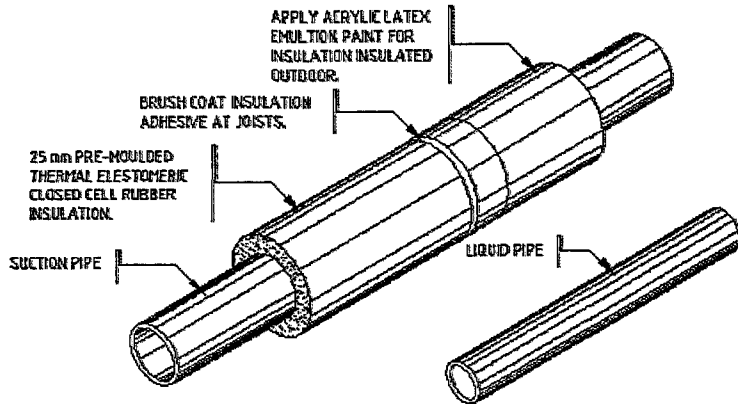


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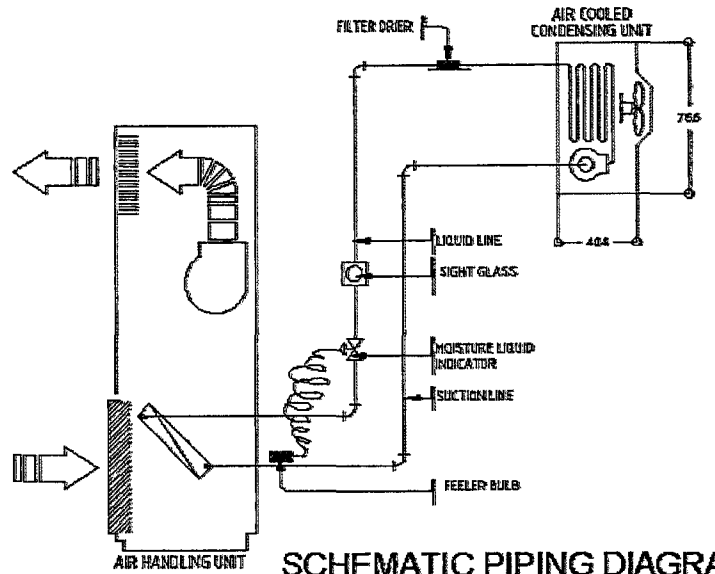
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D-11

ANNEX B

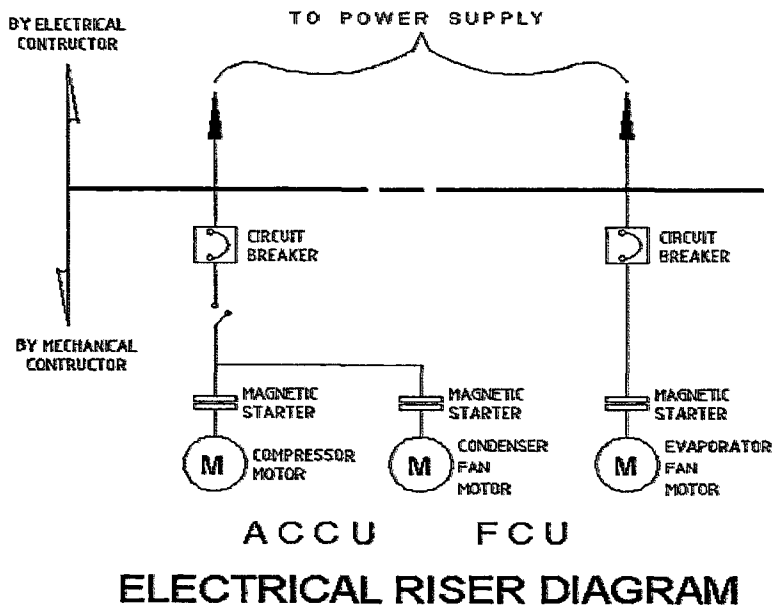
- NOTE:
1. ADHESIVE AND LATEX PAINT SHOULD BE COMPATIBLE TO INSULATION USED.
 2. CONDENSATE DRAIN PIPE INSULATION SHALL BE OF SIMILAR MATERIAL BUT 19 mm THK.



REFRIGERANT PIPE INSULATION DETAIL



SCHEMATIC PIPING DIAGRAM



ELECTRICAL RISER DIAGRAM

Revised 05/10/24
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ANNEX C

LANDBANK OF THE PHILIPPINES

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

NAME OF THE BRANCH : _____ P.O. NO. _____
LOCATION : _____
DATE : _____

START - UP DATA SHEET

SUPPLIER'S DATA:

Name of Supplier: _____
Address: _____
Contact Person: _____ Tel.No.: _____

INSTALLATION DATA:

Technician In-charge: _____ Accreditation No: _____
Date Started: _____ Date Finished: _____ Start-up Date: _____
FCU Model No: _____ ACCU Model No: _____
FCU Serial No: _____ ACCU Serial No: _____

OPERATING DATA:

Suction Line Temperature: _____ Suction Line Pressure: _____
Discharge Line Temperature: _____ Discharge Line Pressure: _____
FCU Intake Air Temperature: _____ FCU Discharge Air Temp.: _____
ACCU Intake Air Temperature: _____ ACCU Discharge Air Temp.: _____
Room Temperature: _____ Ambient Temperature: _____

ELECTRICAL PARAMETERS:

Power Supply (Voltage), L1-L2: _____ L2-L3: _____ L3-L1: _____
Overall Ampere Readings, L1: _____ L2: _____ L3: _____
Current Draws, Compressor: _____ ACCU Fan Motor: _____ FCU Fan Motor: _____

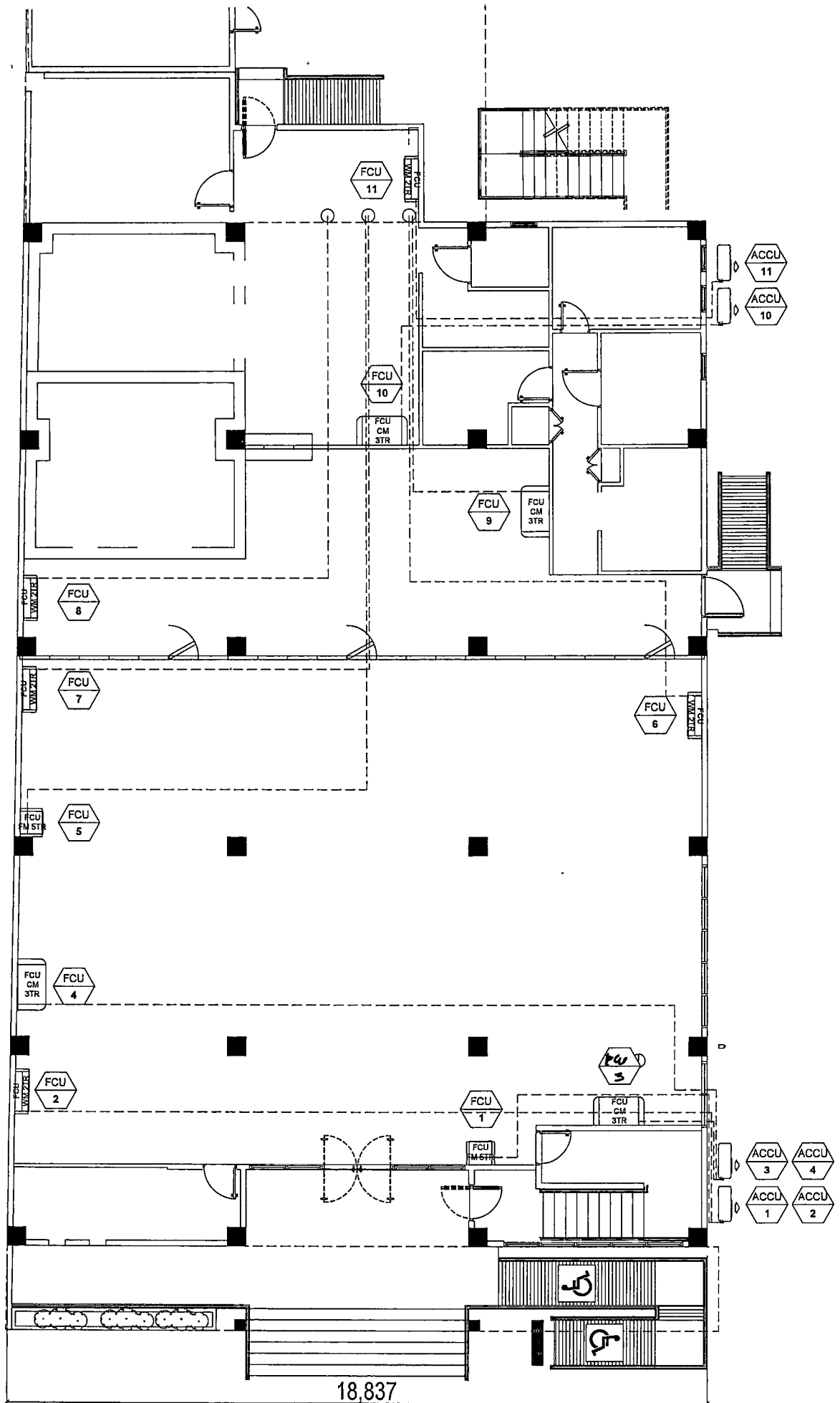
OTHER INSTALLATION DATA

Refrigerant Piping:
Suction Diameter: _____ Length: _____ Insulation Thickness: _____
Discharge Diameter: _____ Length: _____ Insulation Thickness: _____
Drain Line:
Drain Line Diameter: _____ Length: _____ Insulation Thickness: _____
Electrical Lines:
Feeder Line Conduit Diameter: _____ Feeder Line Wire Size: _____ Length: _____
Control Line Conduit Diameter: _____ Control Line Wire Size: _____ Length: _____
Circuit Breaker: _____

Technician's Signature over Printed Name: _____

Revised 05/10/24
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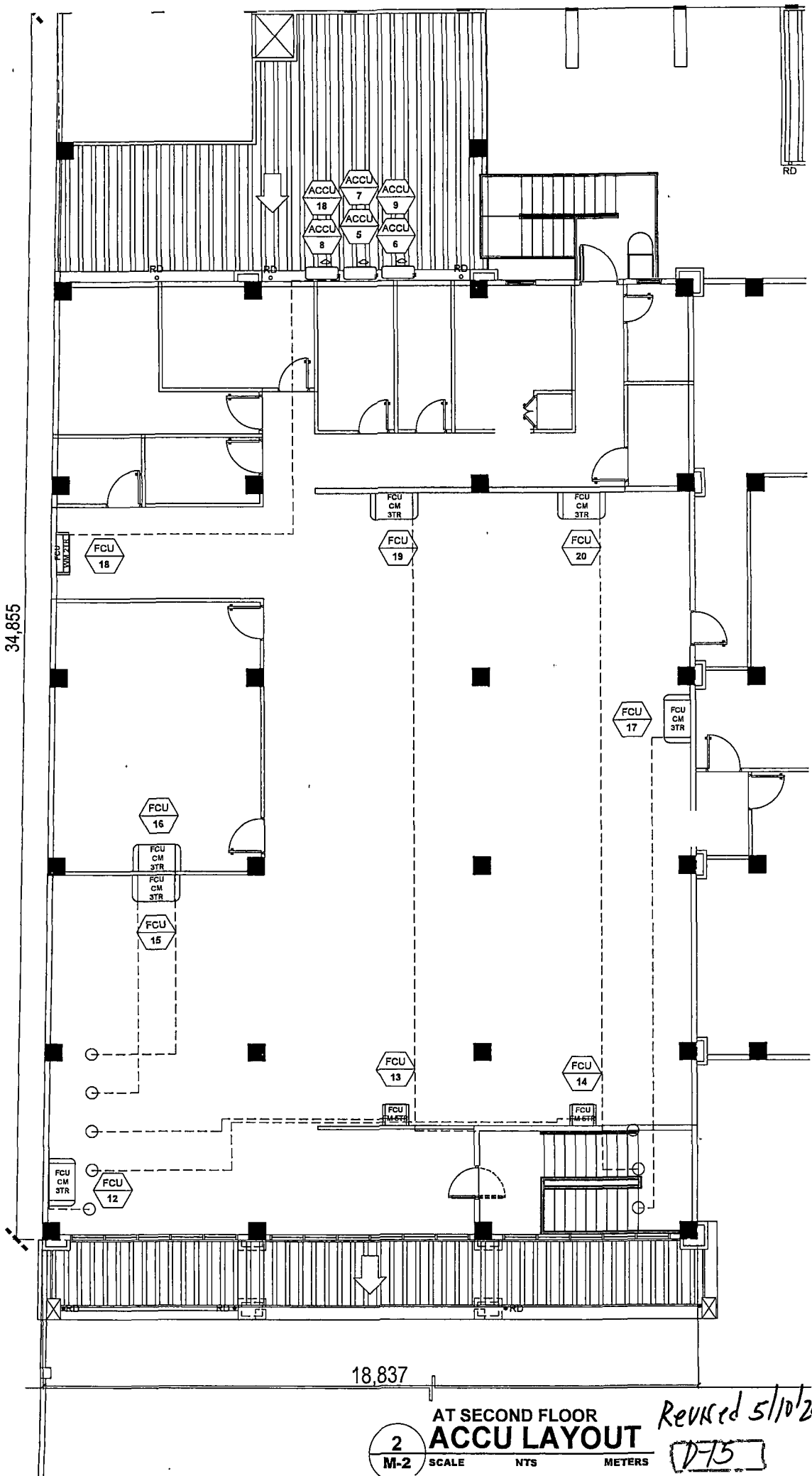


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1
AT GROUND FLOOR
ACCU LAYOUT

Revised 05/10/24

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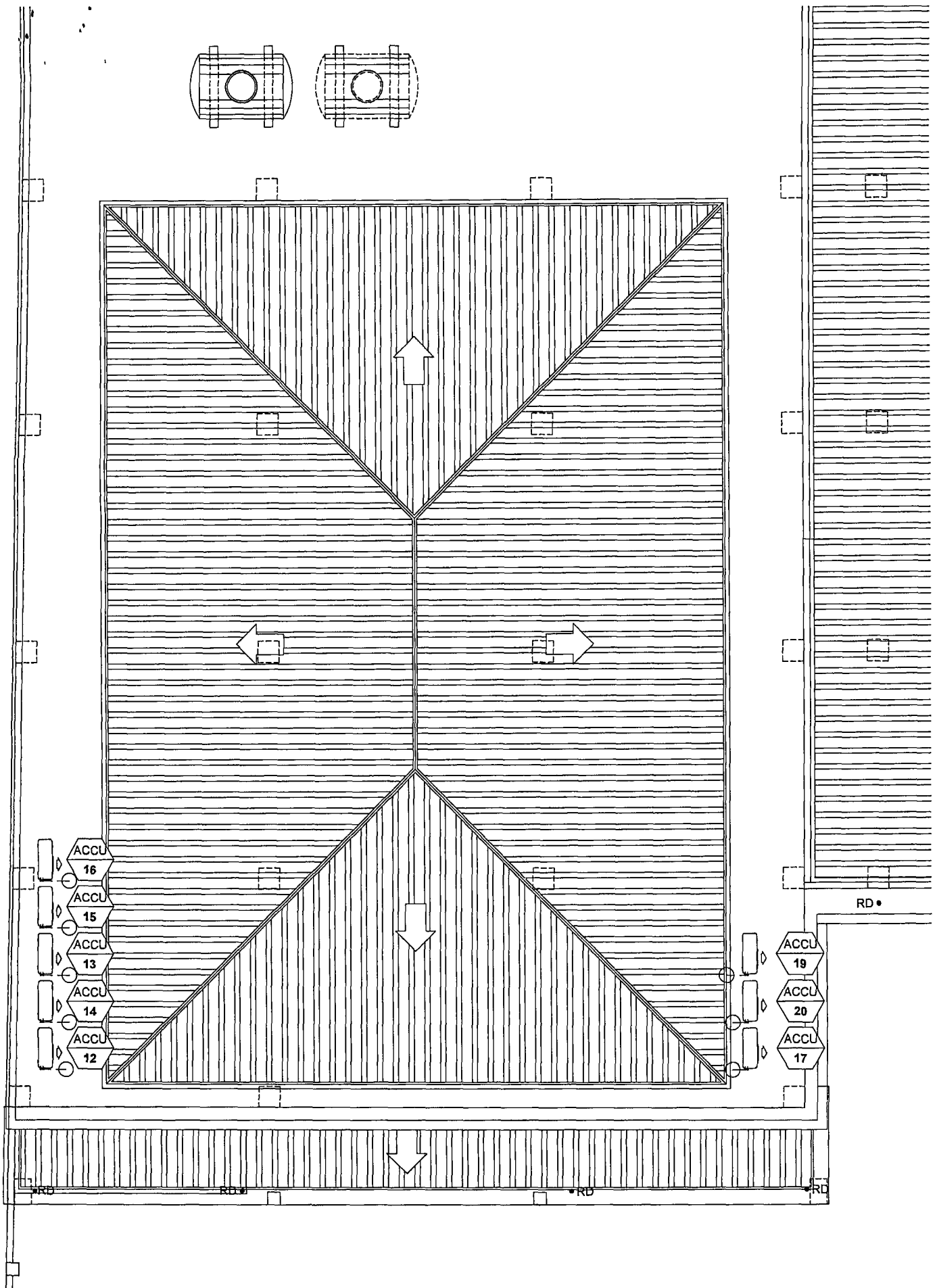
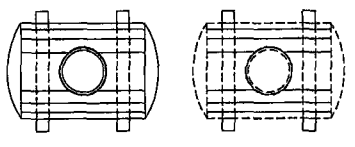


AT SECOND FLOOR
ACCU LAYOUT

Revised 5/10/24

2
 M-2 SCALE NTS METERS

D-75



1 AT ROOF DECK
ACCU LAYOUT
M-2 SCALE 1:100 METERS

Revised 5/10/24
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