



# DEHUMIDIFIERS

## Field Installation Manual

[Dectron.com](http://Dectron.com)



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## General Information

### Document Scope

This manual provides instructions for field installed components required depending on the unit's options.

Additional information regarding installation, maintenance, and equipment commissioning and auxiliary devices is provided with the system and can also be obtained from the manufacturer.

### Contact Us

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Schedule / Modify a Start-up:

[Scheduling@DehumidifiedAirServices.com](mailto:Scheduling@DehumidifiedAirServices.com)

Inquire about Warranty:

[Warranty@DehumidifiedAirServices.com](mailto:Warranty@DehumidifiedAirServices.com)

Order Parts:

[Parts@DehumidifiedAirServices.com](mailto:Parts@DehumidifiedAirServices.com)

All Other Product Support:

[Support@DehumidifiedAirServices.com](mailto:Support@DehumidifiedAirServices.com)

## Operating Safety (Warnings, Cautions, and Notes)

### FOR YOUR SAFETY: READ BEFORE PERFORMING ANY OPERATIONS, MAINTENANCE OR SERVICE TASKS!



Only qualified technicians should install, operate, maintain or service mechanical equipment including current dehumidification system.

Read this manual before performing any tasks to familiarize yourself with the equipment as well as with any potential hazards. Always exercise caution!



#### **Beware of electrical power and high electrical voltage!**

- Follow proper safety procedures – lockout, tagout, and other respective procedures
- Failure to follow safety procedures can result in serious injury or death



#### **Beware of moving parts and hot surfaces!**

- Make sure to stop all moving parts (fans, blowers, etc.) before accessing the equipment's internal compartments
- Be aware of hot surfaces (hot refrigeration, space heating pipes, coils, heaters, etc.)



#### **Beware of pressures and chemicals!**

- Operating equipment may contain glycol-based cooling media mixture under pressure!

The following warnings, cautions, and notes appear throughout this manual and referenced documentation whenever special care must be taken to avoid potential hazards that could result in equipment malfunction or damage, personal injury, or death.

**WARNING**

Indicates a potentially hazardous situation that could result in serious injury or death if handled improperly.

**CAUTION**

Indicates a potentially hazardous situation that could result in moderate injury or equipment damage if handled improperly.

**Note**

Indicates a situation that could result in equipment damage or improper/ineffective operation if handled improperly.

**Attention: Installation and Service Contractors**

**WARNING!** Any work (installation, start up, service, maintenance, repair, etc.) on any mechanical equipment (HVAC system, dry cooler, etc.) must be performed in accordance with manufacturer's recommendations as well as submittal documentation, local Codes and Regulations, and appropriate field practices. Failure to do so could result in personal injury, equipment damage or malfunction, and will void equipment warranty. Only qualified and properly trained individuals should perform tasks on this equipment.

**Attention: Maintenance Team**

**CAUTION.** To ensure equipment longevity and proper and efficient operation, this mechanical equipment should be maintained properly and regularly. Failure to do so could negatively affect system performance. It could also lead to equipment damage, malfunction, premature wear and tear and may void equipment warranty.

## Pool Water Temperature Sensor

The dehumidifier normally requires constant waterflow through (to ensure proper automatic control over pool heating feature); however, if requested, it could be equipped with means to control auxiliary pump. This set up would also require a pool water temperature sensor to be installed in the external pool water manifold/piping.

By default, full pool water flow should be established to the dehumidifier and remain present 24/7. However, should an auxiliary pump be used and flow to the dehumidifier be desired only when utilizing compressor circuit pool heating, the Smart Pump feature may be utilized.

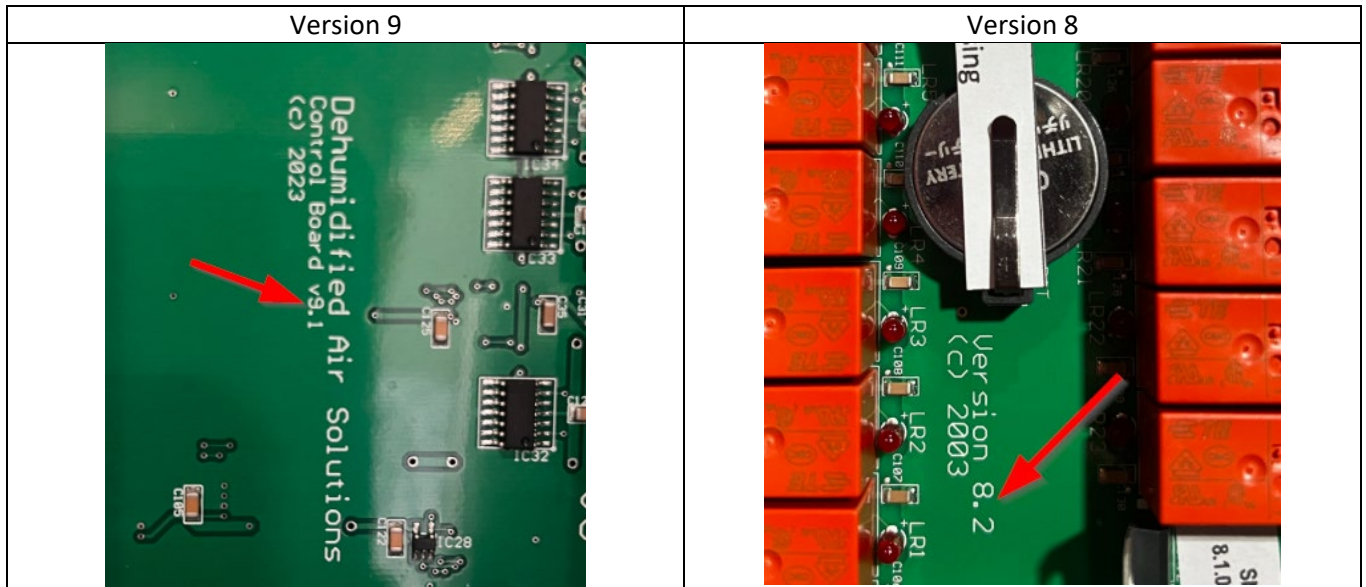
To utilize the Smart Pump feature, a pool water temperature sensor must be installed within a temperature sensor well in the primary pool water piping and wired to the dehumidifier. The auxiliary pump enable circuit must also be wired to the dehumidifier. When used, the dehumidifier will enable the auxiliary loop pump supplying pool water flow to the dehumidifier only when the unit is operating in pool water heating mode.



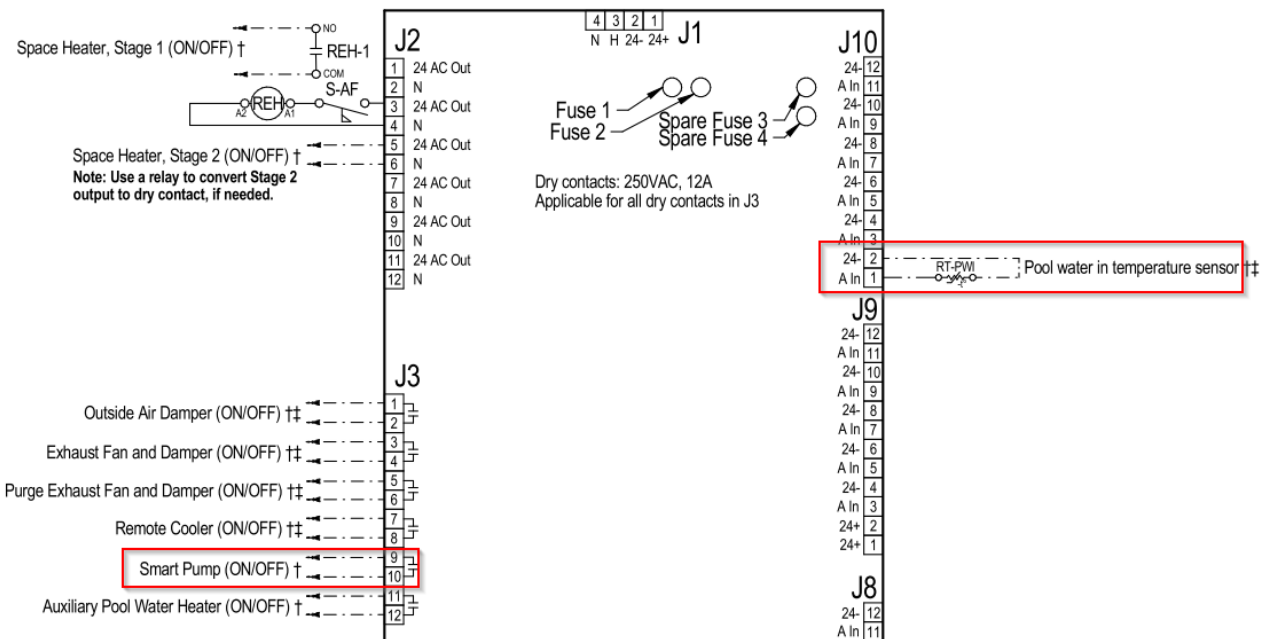
## Electrical connection

Follow the proper electrical connection located on the field wiring diagram

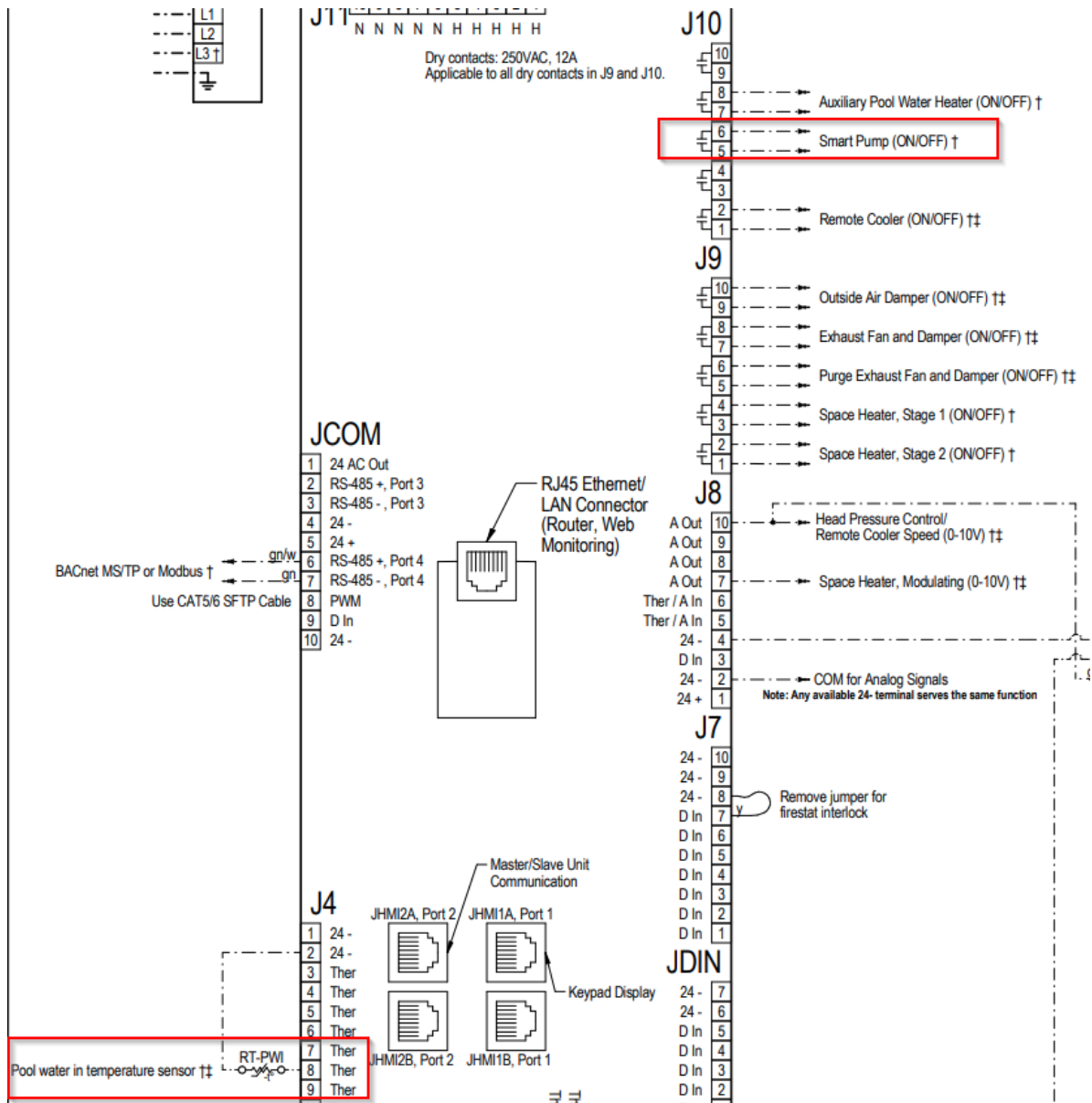
Validate if the board is version 8 or version 9



## Version 9 Board



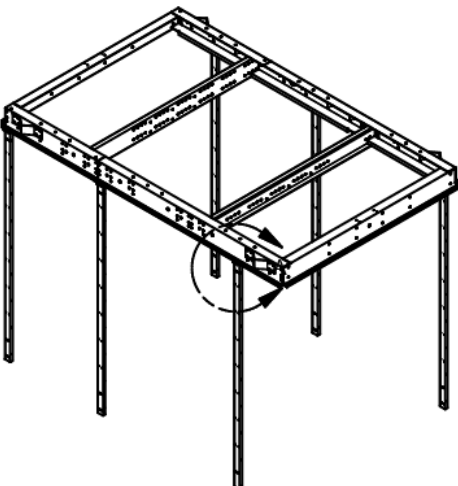
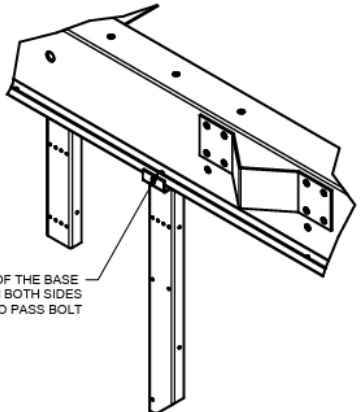
## Version 8 Board







## Piggy Back Option Instructions

LENGTH AND WIDTH OF BASE MAY VARY  
 POSITION OF PIGGY BACK SUPPORTS MAY VARY  
 AMOUNT OF SUPPORTS MAY VARY  
 SUPPORTS COME INSTALLED ON THE UNIT

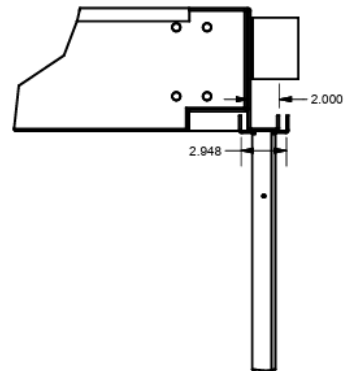
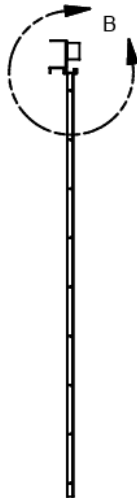



DETAIL A  
SCALE 1:10


HISTORIQUE DES REVISIONS/REVISION HISTORY					FICHIER DAO/CAD FILE		REV
REV	DESCRIPTION	DATE			Piggy Back Support Instructions		00
1					DESSINE/DRAWN	DATE	TAILLE/
2					D. MONTESINOS	8/19/2025	SIZE
3					REVISE/REVISED	DATE	A
					D. MONTESINOS	8/22/2025	
					ECHELLE/SCALE: 1/4"		FEUILLE/SHEET: 1/4

LENGTH AND WIDTH OF BASE MAY VARY  
 POSITION OF PIGGY BACK SUPPORTS MAY VARY  
 AMOUNT OF SUPPORTS MAY VARY  
 SUPPORTS COME INSTALLED ON THE UNIT

### SECTION VIEW OF THE BASE

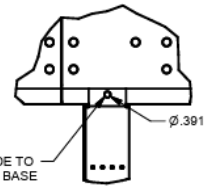
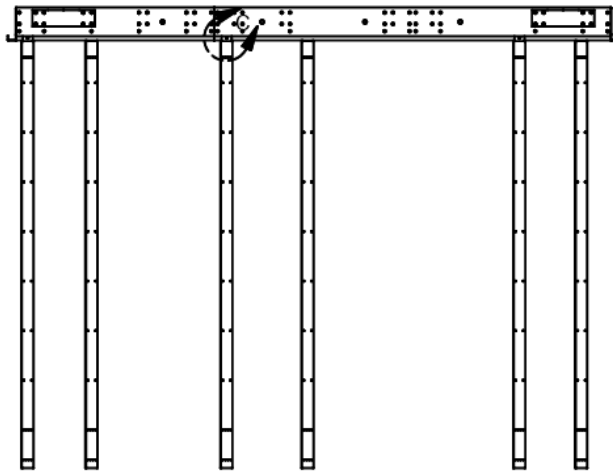


DETAIL B  
 SCALE 1 / 8

	FICHER DAO/CAD FILE		REV
	Piggy Back Support Instructions		00
	DESSINE/DRAWN	DATE	TAILLE/
	D. MONTESINOS	8/19/2025	SIZE
	REVISE/REVISED	DATE	A
	D. MONTESINOS	8/22/2025	
ECHELLE/SCALE 1 / 30			FEUILLE/SHEET 2 / 4


LENGTH AND WIDTH OF BASE MAY VARY  
 POSITION OF PIGGY BACK SUPPORTS MAY VARY  
 AMOUNT OF SUPPORTS MAY VARY  
 SUPPORTS COME INSTALLED ON THE UNIT

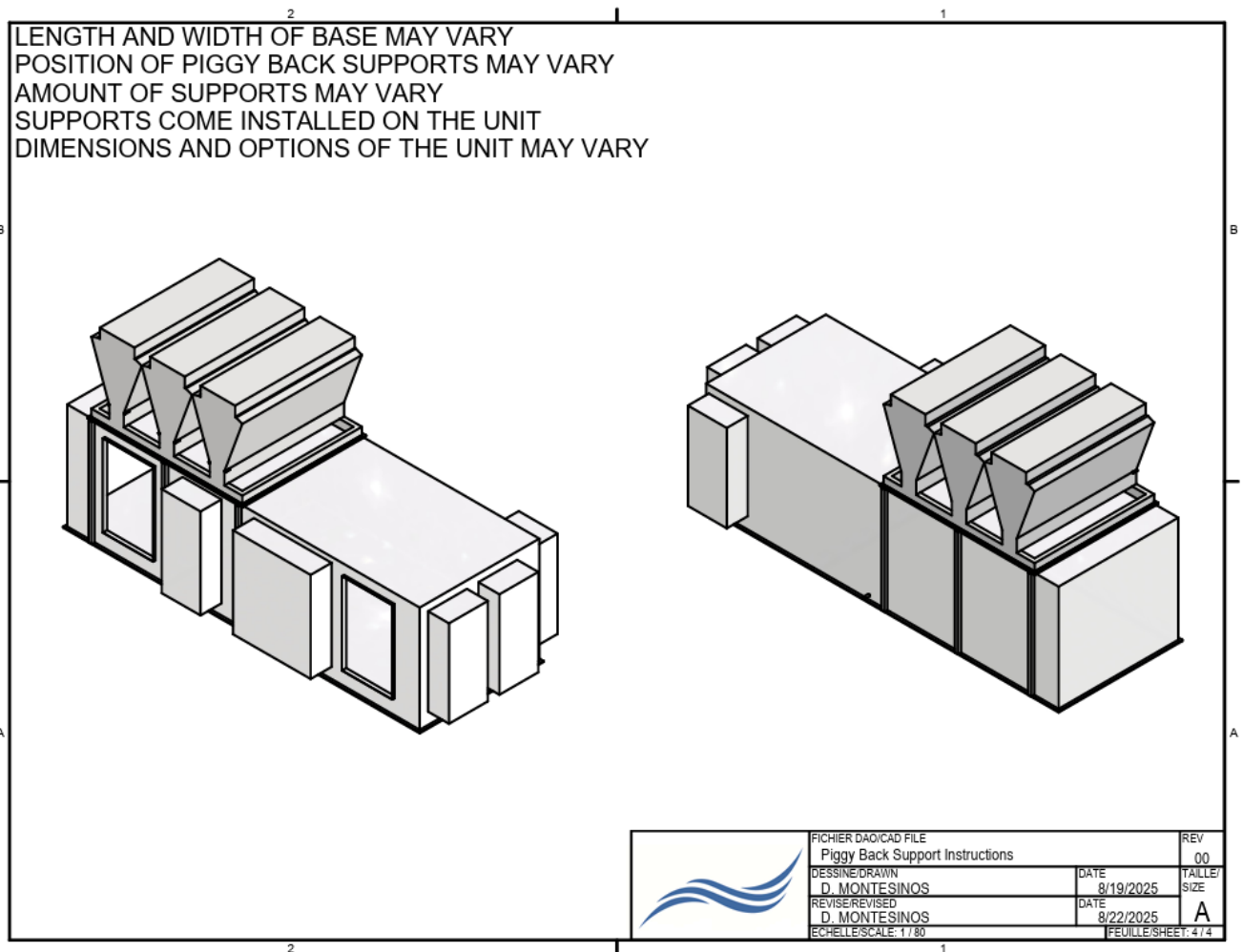
### SIDE VIEW



USE THIS HOLE AS A GUIDE TO  
 DRILL OUT THE ONES FOR THE BASE

DETAIL C  
 SCALE 1 / 8

	FICHIER DAO/CAD FILE		REV
	Piggy Back Support Instructions		00
	DESSINE/DRAWN	DATE	TAILLE/
	D. MONTESINOS	8/19/2025	SIZE
	REVISE/REVISED	DATE	A
	D. MONTESINOS	8/22/2025	
	ECHELLE/SCALE: 1/30		



## Protective Hoods to be Installed

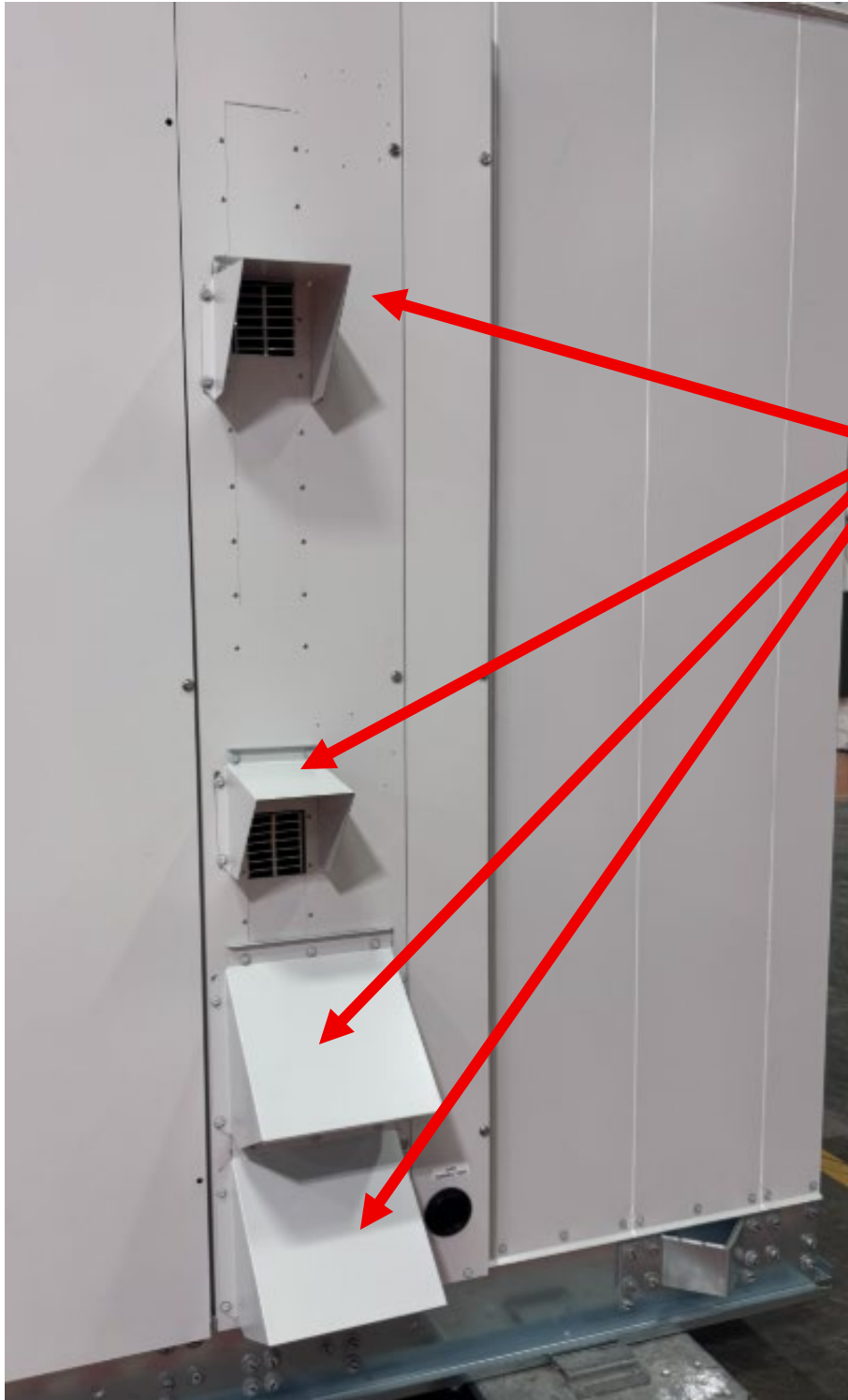
Units may be provided without protective hoods already installed on the unit. All hoods should be installed to offer protection to external debris and rain to only have air passing through without any contamination/obstructions. Hoods can be found stored inside the unit.

### Electrical Panel Door



If not already installed, hoods should be placed to cover the openings. Hoods can be found inside the unit

## Gas Heating Panel



If not already installed, hoods should be placed to cover the openings. Hoods can be found inside the unit