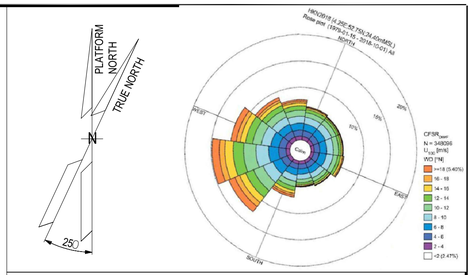
DRAWING NO. 1724000049-HV-PID-00041

REV. 4

BASE LOAD POWER HUB (BLPH)
B-300 AC UPS EQUIPMENT ROOM
P&ID HVAC System



NOTES

LEGEND

HOLDS

1	NO COMMENTS - APPROVED - WORK MAY PROCEED
2	MINOR COMMENTS - REVISE AND RESUBMIT - WORK MAY PROCEED
3	MAJOR COMMENTS – REJECTED – DO NOT PROCEED
4	APPROVAL NOT REQUIRED

NOTE: Approval doesn't relieve the supplier from mandatory compliance with contractual documents and specifications. Comments made do not imply acceptance of any cost or delivery impact.

Sign	Date
L. Caviglia	10/02/2025

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
4	06/02/25	S.Z.	S.S.	M.G.	ISSUE FOR INFORMATION (IFI)
3	03/12/24	S.Z.	S.S.	M.G.	ISSUE FOR INFORMATION (IFI)
2	29/10/24	S.Z.	S.S.	M.G.	ISSUE FOR INFORMATION (IFI)
1	09/07/24	S.Z.	S.S.	M.G.	ISSUE FOR INFORMATION (IFI)
0	10/06/24	S.Z.	S.S.	M.G.	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
B-300 AC UPS EQUIPMENT ROOM
P&ID HVAC System

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1 : 1
DRAWN G.M.	CHECKED A.O.	APPROVED A.C.	DATE 27/01/25
A1	DRAWING NO. 1724000049-HV-PID-00041	SHEET 001	REV. 4

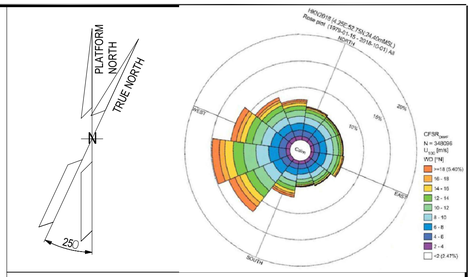
File Name : 1724000049-HV-PID-00041

DRAWING NO. 1724000049-HV-PID-00041

REV. 4

REV.	SHEET NUMBER	DESCRIPTION	REF. CODE
03	001	FRONT PAGE	IFR
03	002	SUMMARY and GENERAL NOTES	IFR
03	003	P&ID HVAC System	IFR

GENERAL NOTES



NOTES

LEGEND

HOLDS

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4	06/02/25	S.Z.	S.S.	M.G.	ISSUE FOR INFORMATION (IFI)
3	03/12/24	S.Z.	S.S.	M.G.	ISSUE FOR INFORMATION (IFI)
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0	10/06/24	S.Z.	S.S.	M.G.	ISSUE FOR INFORMATION (IFI)

ALEXSISTEMI spa

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
B-300 AC UPS EQUIPMENT ROOM
P&ID HVAC System

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1 : 1
DRAWN G.M.	CHECKED A.O.	APPROVED A.C.	DATE 27/01/25
A1	DRAWING NO. 1724000049-HV-PID-00041	SHEET 002	REV. 4

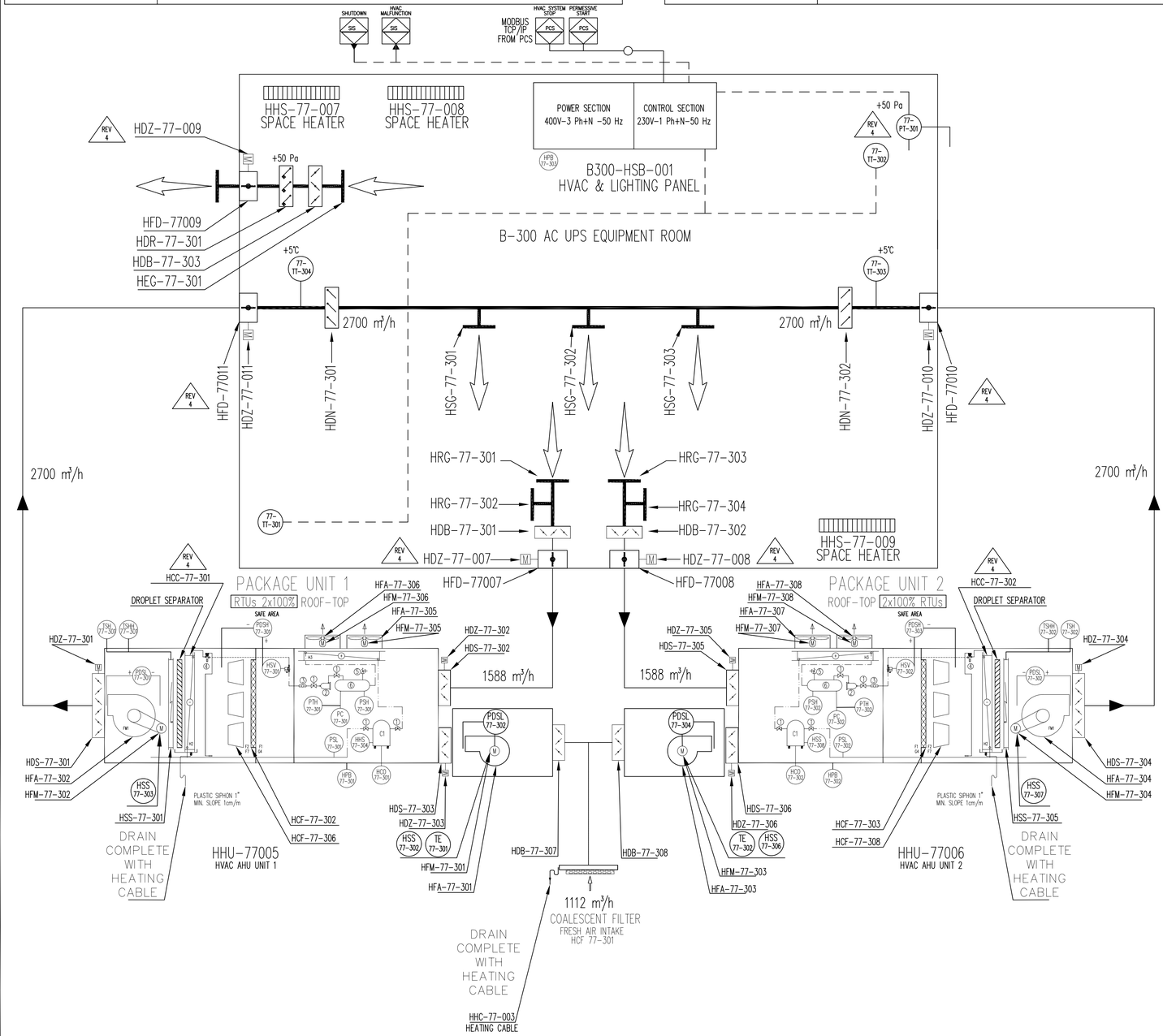
File Name : 1724000049-HV-PID-00041

DRAWING NO. 1724000049-HV-PID-00041

REV 4

ITEM	HVAC-ROOF TOP
DESCRIPTION	HVAC UNIT
MAKER	FRIGOTERMICA srl
MODEL	4112-DMPD-200
SUPPLY AIR FLOW	750 l/s
COOLING COIL CAPACITY	12 kW AT +26°C Outdoor Temperature
HEATING COIL CAPACITY	6 kW
TENSIONE	400 V – 50 Hz – 3 Ph+N
EXECUTION	SAFE AREA
REFRIGERANT	R513a

ITEM	HVAC-PRESSURISING FAN
DESCRIPTION	HVAC UNIT
MAKER	FRIGOTERMICA srl
MODEL	4112-DMPD-201
SUPPLY AIR FLOW	281 l/s
COOLING COIL CAPACITY	N.A.
HEATING COIL CAPACITY	N.A.
TENSIONE	400 V – 50 Hz – 3 Ph+N
EXECUTION	SAFE AREA
REFRIGERANT	N.A.



LEGEND

	MOTORISED DAMPER WITH SPRING RETURN
	REGULATION DAMPER
	OVERPRESSURE DAMPER
PDSH	DIFFERENTIAL PRESSURE SWITCH HIGH PRESSURE
PDSL	DIFFERENTIAL PRESSURE SWITCH LOW PRESSURE
TT	TEMPERATURE TRASMITTER
HPB	EMERGENCY PUSH BUTTON
OH	COMPRESSOR OIL HEATER
SV	SOLENOID VALVE
R	REFRIGERANT COMPRESSOR
F1	AIR FILTER "G4"
F2	BAG FILTER "F8"
	CONDENSING COIL
	CONDENSING FAN
	ELECTRICAL HEATER
	SUPPLY FAN
	GLOBE VALVE
	DRYER FILTER
	SIGHT GLASS
	THERMOSTATIC VALVE
	PRESSURE RELIEF VALVE
	MOTORISED FIRE DAMPER WITH SPRING RETURN
	EVAPORATING COIL
	LIQUID RECEIVER
MT	MOISTURE TRASMITTER
PTH	HIGH PRESSURE TRASDUCER
TP	COMPRESSOR THERMIC PROTECTION
TSH	HIGH TEMPERATURE SECURITY THERMOSTATE
PSH	HIGH PRESSURE SWITCH
PSL	LOW PRESSURE SWITCH
PC	CONDENSING PRESSURE SWITCH
HEC	ELECTRICAL HEATING
HCO	REFRIGERANT COMPRESSOR
MDC	MOTORISE DAMPER
TSHH	VERY HIGH TEMPERATURE SECURITY THERMOSTATE
	PRESSURE RELIEF DAMPER
	SPACE HEATER
HSS-77-XXX	ELECTRICAL HEATER
HHC-77-XXX	HEATING CABLE
FT	DIFFERENTIAL PRESSURE TRANSMITTER

NOTES:

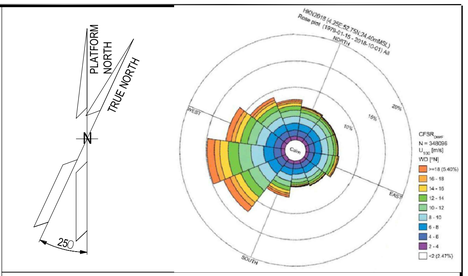
- HVAC POWER CABINET will energize what above shown.
- HVAC CONTROL CABINET will control all what above shown.
- HVAC POWER CABINET will energize light and socket.
- Outside drainage system shall be provided of heatng cable with anti-freeze funcion to avoid ice inside pipes when outside temeprature reaches values close to 0°C.
- Outdoor air ductworks in stainless steel AISI 316

OUTDOOR DESIGN CONDITIONS

Safe Area
Min. design DB Temp: -8.4°C with RH 100 %
Max. design DB Temp: +25°C with RH 90 %

Module B-300 AC UPS Equipment Room

Safe Area
Indoor min. design temperature: +5°C with RH 30 ÷ 70%
Indor max. design temperature: +35°C with RH 30 ÷ 70%
Min. ACH: 6



NOTES

LEGEND

HOLDS

ALEXSISTEMI spa

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
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CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
B-300 AC UPS EQUIPMENT ROOM
P&ID HVAC System

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1 : 1
DRAWN G.M.	CHECKED A.O.	APPROVED A.C.	DATE 27/01/25
A1	DRAWING NO. 1724000049-HV-PID-00041	SHEET 003	REV. 4

File Name : 1724000049-HV-PID-00041