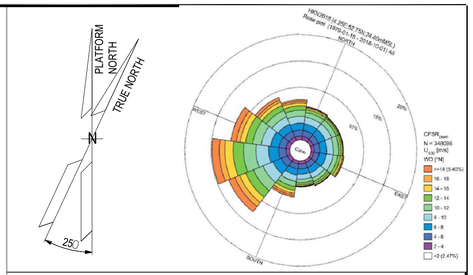
DRAWING NO. 123A90-1724000049-HV-PID-00039

REV. 04

BASE LOAD POWER HUB (BLPH)
B-100 HV Switch 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

ALEXSISTEMI spa

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	06/02/24	S.Z.	S.S.	M.G.	ISSUE FOR INFORMATION (IFI)
03	03/12/24	S.Z.	S.S.	M.G.	ISSUE FOR INFORMATION (IFI)
02	29/10/24	S.Z.	S.S.	M.G.	ISSUE FOR INFORMATION (IFI)
01	09/07/24	S.Z.	S.S.	M.G.	ISSUE FOR INFORMATION (IFI)
00	10/06/24	S.Z.	S.S.	M.G.	ISSUE FOR INFORMATION (IFI)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
B-100 HV SWITCH 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 19/12/24
A1	DRAWING NO. 1724000049-HV-PID-00039		SHEET 001	REV. 04

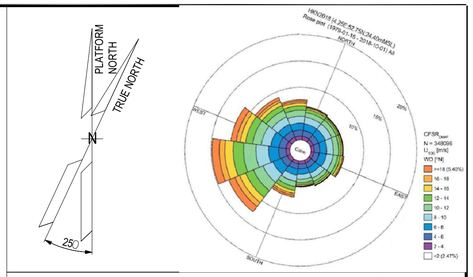
File Name : 123A90-1724000049-HV-PID-00039

DRAWING NO. 123A90-1724000049-HV-PID-00039

REV. 04

REV.	SHEET NUMBER	DESCRIPTION	REF. CODE
04	001	FRONT PAGE	IFI
04	002	SUMMARY and GENERAL NOTES	IFI
04	003	P&ID HVAC System	IFI

GENERAL NOTES



NOTES

LEGEND

HOLDS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	06/02/24	S.Z.	S.S.	M.G.	ISSUE FOR INFORMATION (IFI)
03	03/12/24	S.Z.	S.S.	M.G.	ISSUE FOR INFORMATION (IFI)
02	29/10/24	S.Z.	S.S.	M.G.	ISSUE FOR INFORMATION (IFI)
01	09/07/24	S.Z.	S.S.	M.G.	ISSUE FOR INFORMATION (IFI)
00	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-100 HV SWITCH 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 19/12/2024
A1	DRAWING NO. 1724000049-HV-PID-00039	SHEET 002	REV. 04

File Name : 123A90-1724000049-HV-PID-00039

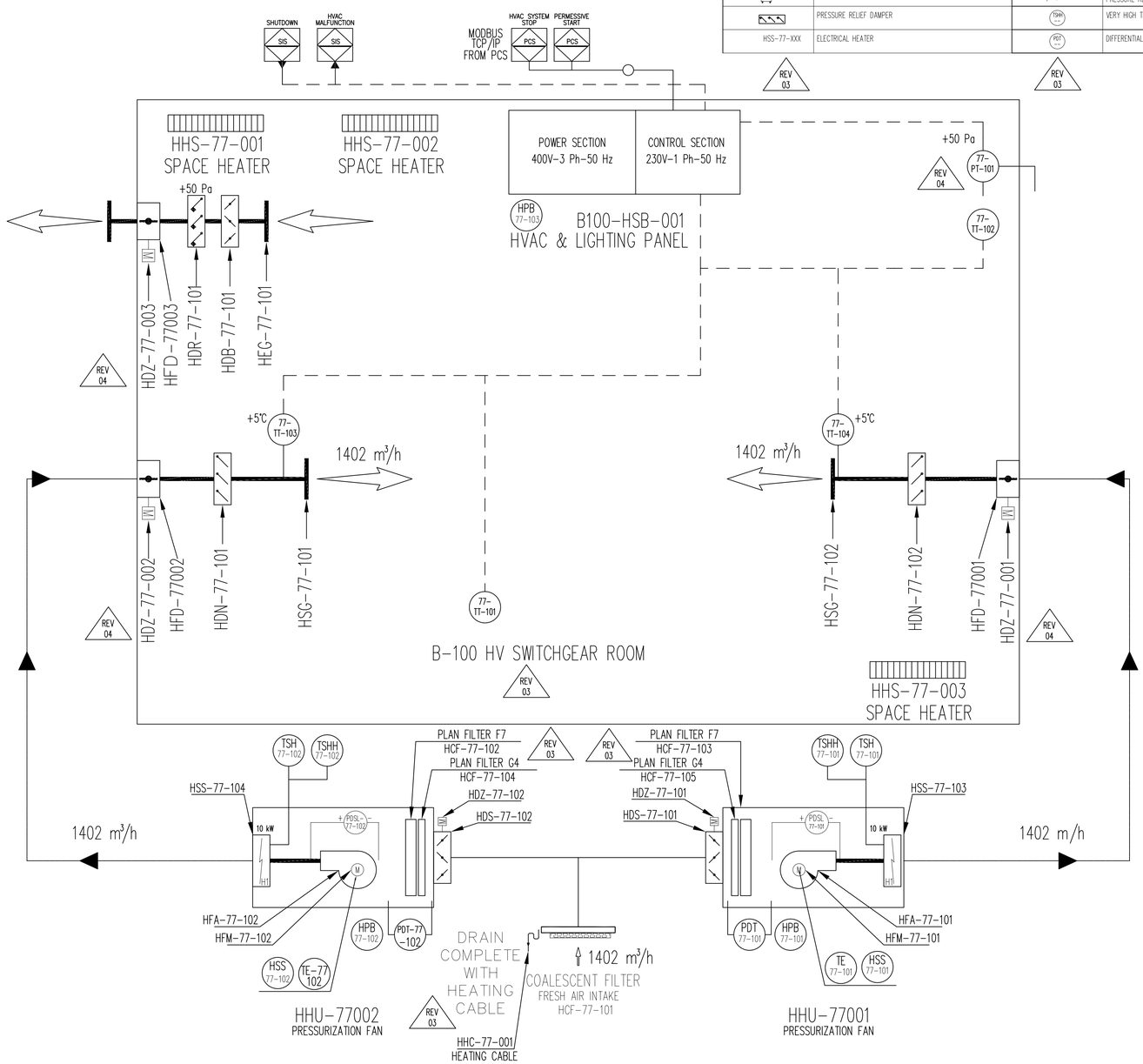
DRAWING NO. 123A90-1724000049-HV-PID-00039 REV. 04

ITEM	HVAC-PRESSURISING FAN
DESCRIPTION	HVAC UNIT
MAKER	FRIGOTERMICA srl
MODEL	4112-DMPD-400
SUPPLY AIR FLOW	389 l/s
COOLING COIL CAPACITY	N.A.
HEATING COIL CAPACITY	10 kW
TENSIONE	400 V - 50 Hz - 3 Ph+N
EXECUTION	SAFE AREA
REFRIGERANT	N.A.

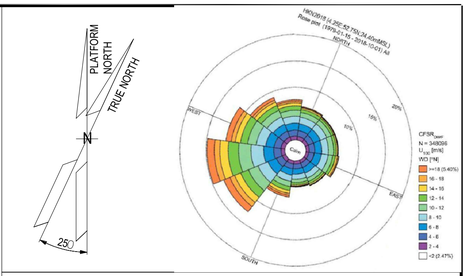
LEGEND

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

REV 03



REV 04 REV 04 REV 04 REV 04 REV 03 REV 03 REV 03 REV 03 REV 03 REV 04



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 B100 HV Switchroom REV 03

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:

- 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

NOTES

LEGEND

HOLDS

ALEXSISTEMI spa

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CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
B-100 HV SWITCH 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	19/12/24
A1	DRAWING NO. 1724000049-HV-PID-00039			SHEET 003	REV. 04

File Name : 123A90-1724000049-HV-PID-00039