

# NOTES

## NOTE:

THE POSITIONING AND DIMENSIONS OF THE EQUIPMENT INDICATED IN THE PROJECT ARE INDICATIVE AND MUST BE VERIFIED ON SITE WITH THE WORKS MANAGEMENT;  
 NB: ALL EQUIPMENT MUST BE INSTALLED IN STRICT COMPLIANCE WITH THE INSTALLATION MANUALS FOR THE EQUIPMENT;  
 NB: DRAWING NOT VALID FOR ARCHITECTURAL PURPOSES

## NOTE:

FOR PLUMBING, THERMAL, ELECTRICAL AND ELECTRONIC CONNECTIONS FOLLOW SCRUPULOUSLY FOLLOW THE INSTRUCTIONS OF THE MANUFACTURERS OF THE PRODUCTS AND THE REGULATIONS IN FORCE REGARDING SAFETY AND CORRECT INSTALLATION OF THE SYSTEMS

## NOTE:

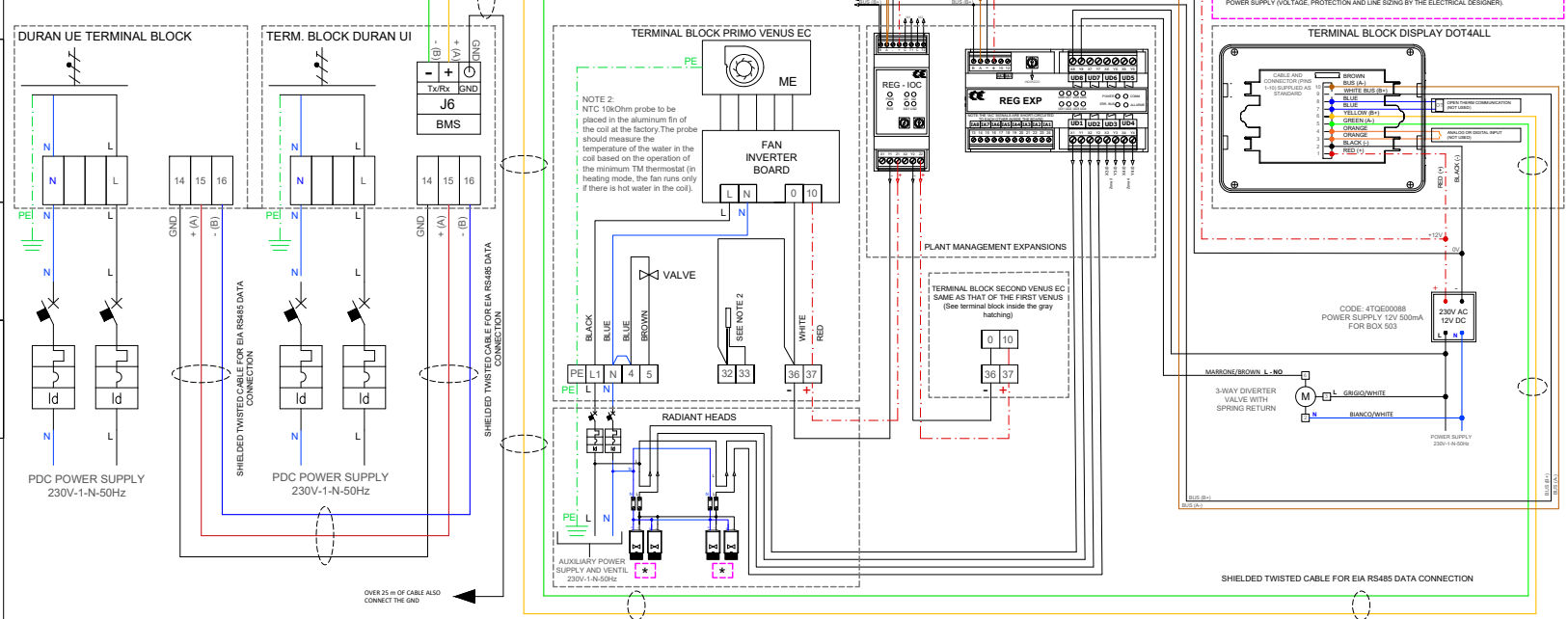
THE POSITION OF THE COMPONENTS OF THE MECHANICAL SYSTEM SHOWN IN THE DIAGRAMS IS PURELY INDICATIVE; IT WILL HAVE TO BE VERIFIED DURING CONSTRUCTION ACCORDING TO ACTUAL NEEDS.

## CAPTION

- 1 SPLIT HEAT PUMP DURAN UE
- 2 SPLIT HEAT PUMP DURAN UI
- 3 TECHNICAL WATER CIRCUIT BOOSTER PUMP (ACCESSORY)
- 4 DHW SAFETY VALVE (INCLUDED)
- 5 DHW EXPANSION TANK (INCLUDED)
- 6 VALV.THERMOSTATIC MIXING VALVE FOR THE PROD. OF DHW (ACCESSORY)
- 7 ANTI-VIBRATION JOINT (ACCESSORY)
- 8 Y FILTER (ACCESSORY)
- 9 THERMAL SYSTEM EXPANSION TANK (OPTIONAL IF NEEDED)
- 10 AIR VENTING DEVICE (ACCESSORY)
- 11 THERMAL SYSTEM EXPANSION TANK (ACCESSORY)
- 12 DEFANGER
- 13 DOT4ALL TOUCH DISPLAY (ACCESSORY)
- 14 IOC EXPANSION (ACCESSORY)
- 15 REG EXPANSION (ACCESSORY)
- 16 MOTORIZED 3-WAY DIVERTER VALVE (ACCESSORY)
- 17 VENUS LOW-PRESSURE FANCOIL
- 18 RADIANT FLOOR

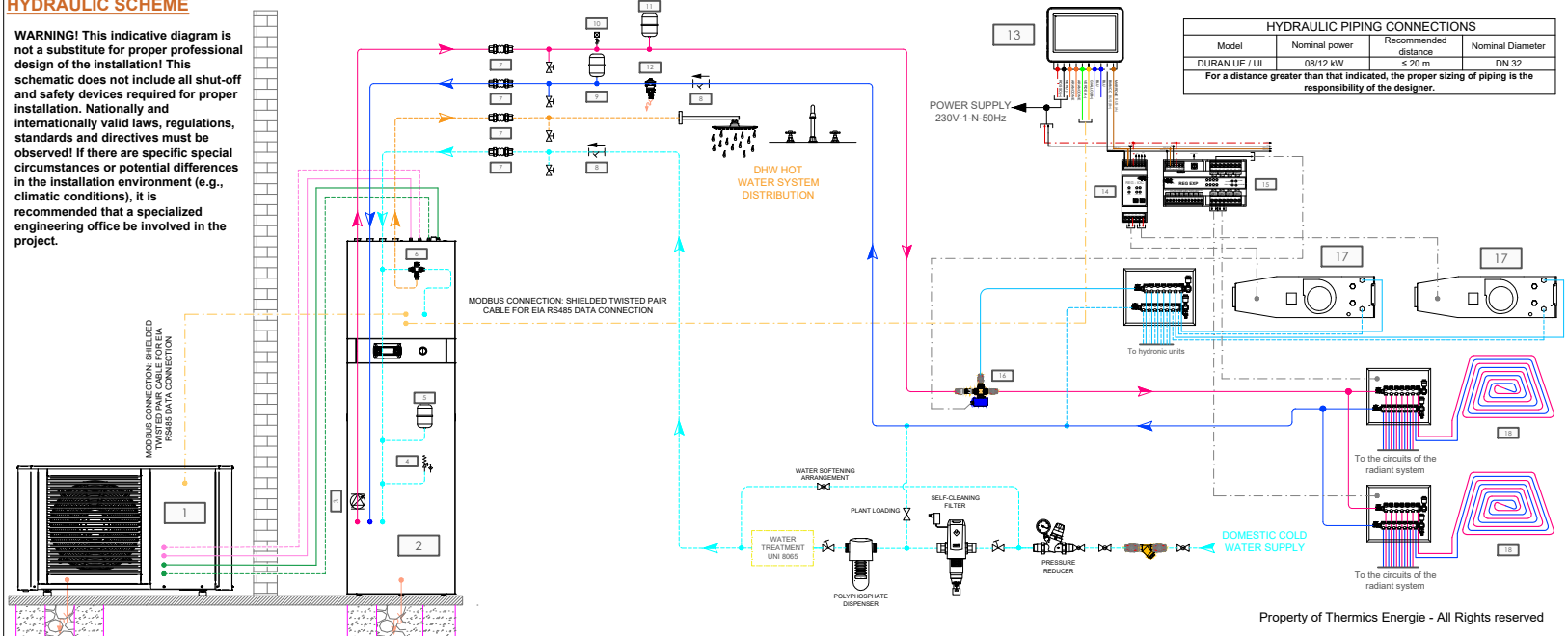
- PLANT DELIVERY PIPING
- - -→ PLANT RETURN PIPING
- DHW DELIVERY PIPE
- DCW DELIVERY PIPE
- DHW LINE PIPING OUT
- DHW LINE PIPING IN
- LIQUID LINE PIPING
- GAS LINE PIPING
- - -→ MODBUS CABLE
- - -→ SIGNAL CABLE

## ELECTRICAL CONNECTION DIAGRAM



## HYDRAULIC SCHEME

**WARNING!** This indicative diagram is not a substitute for proper professional design of the installation! This schematic does not include all shut-off and safety devices required for proper installation. Nationally and internationally valid laws, regulations, standards and directives must be observed! If there are specific special circumstances or potential differences in the installation environment (e.g., climatic conditions), it is recommended that a specialized engineering office be involved in the project.



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## FUNCTIONAL SCHEME DURAN SPLIT +VENUS + REG EXP + EXP IOC

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BY  
AC

DATE  
01/08/2024

CLIENT  
/

DRAWING/REVISION  
DU.SP\_5.0

PLANTING/YARD  
FUNCTIONAL DIAGRAM

Thermics Energie srl  
 www.thermics-energie.it  
 E-mail: info@thermics-energie.it



# OPERATING LOGICS

## AMBIENT HEATING

Turning the unit on and off is controlled by the room thermostat (DOT4ALL DISPLAY), and the operation mode and outlet water temperature are set on the user interface.

The system is turned on when there is a call from the room thermostat. Conversely, it remains closed when there is no demand. The system is direct on fancoil and radiant.

## FUNZIONAMENTO VALVOLA 3 VIE

The motorized 3-way valve takes care of the season change by activating either the fancoils or the radiant system

The 3-way valve is controlled by the general climate control system that enforces the season change.

## VENUS AND RADIANT

Fancoils are modulated with a 0-10V signal according to the actual cooling load of the house

The various radiant zones will be activated in winter based on the information from the built-in probes in each room.