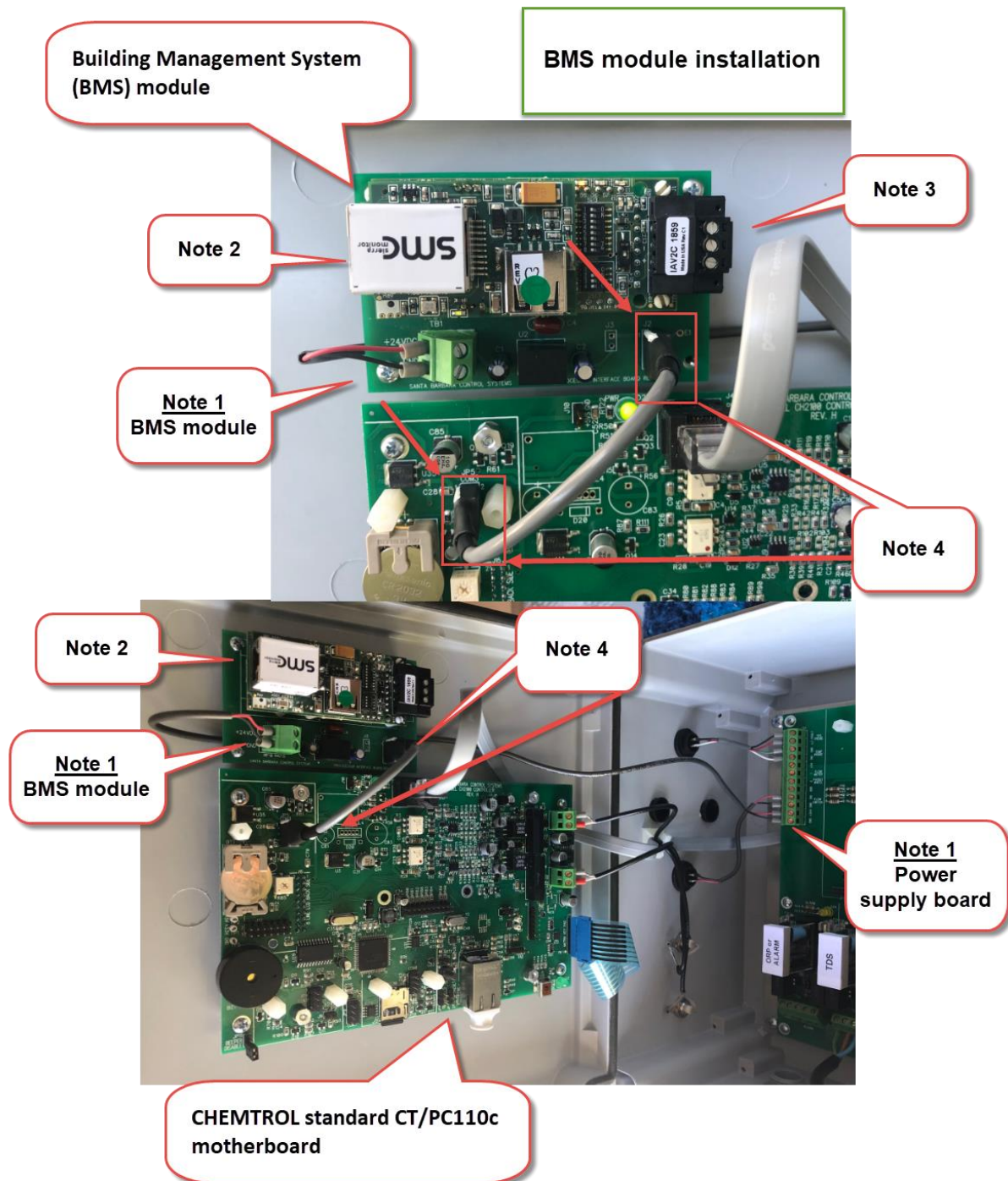


## Building Management System (BMS) module

Below is a screenshot of the CHEMTROL standard CT/PC110c motherboard.  
 (This is the board on the back of the door.)

Above the motherboard you can see the Building Management System (BMS) module.



Connecting the module is described in the notes below.

1. This is the 24V Power connection. You will need to run the two wires from this terminal to the 24V and ground connection on the Power Supply Board.
2. This is the Cat-5 Connection. If your customer's building automation connection is a Cat-5 cable, it will plug in here.
3. This is a 2-wire connection port. Most Modbus/ BACNet MSTP connections are two-wires. The two wires that the customer brings to the controller will connect here.
4. The grey cable is the connection between the controller motherboard and the BMS module. (It will come with the module when we ship this to you).
  - a. It connects on the motherboard at JP5/Comm3 header; and on the module the J3 jumper.
  - b. **Pin 1 of each connector will be marked with white ink.** And, pin 1 in both cases is the top left pin on the header. (Please follow the 2x red arrows on the screenshot - Note 4).
  - c. The grey wire will be connected to the BMS module already. You need to connect the other side of this wire to the motherboard at JP5/Comm3 header.
5. The 24V on the Power Supply Board should handle both set of wires:
  - a. BMS module
  - b. 3G/4G router – in case of remote monitoring router that installed in this solution.

GOOD LUCK