



Electrical installation instructions

**Danfoss Heat Pumps
DHP-H**

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Electrical installation

Danfoss heat pumps are factory-wired internally. The leads that are to be connected are the mains supply (5-wire DHP or 3-wire DHP SP), outdoor temperature sensor and room sensors (if any).

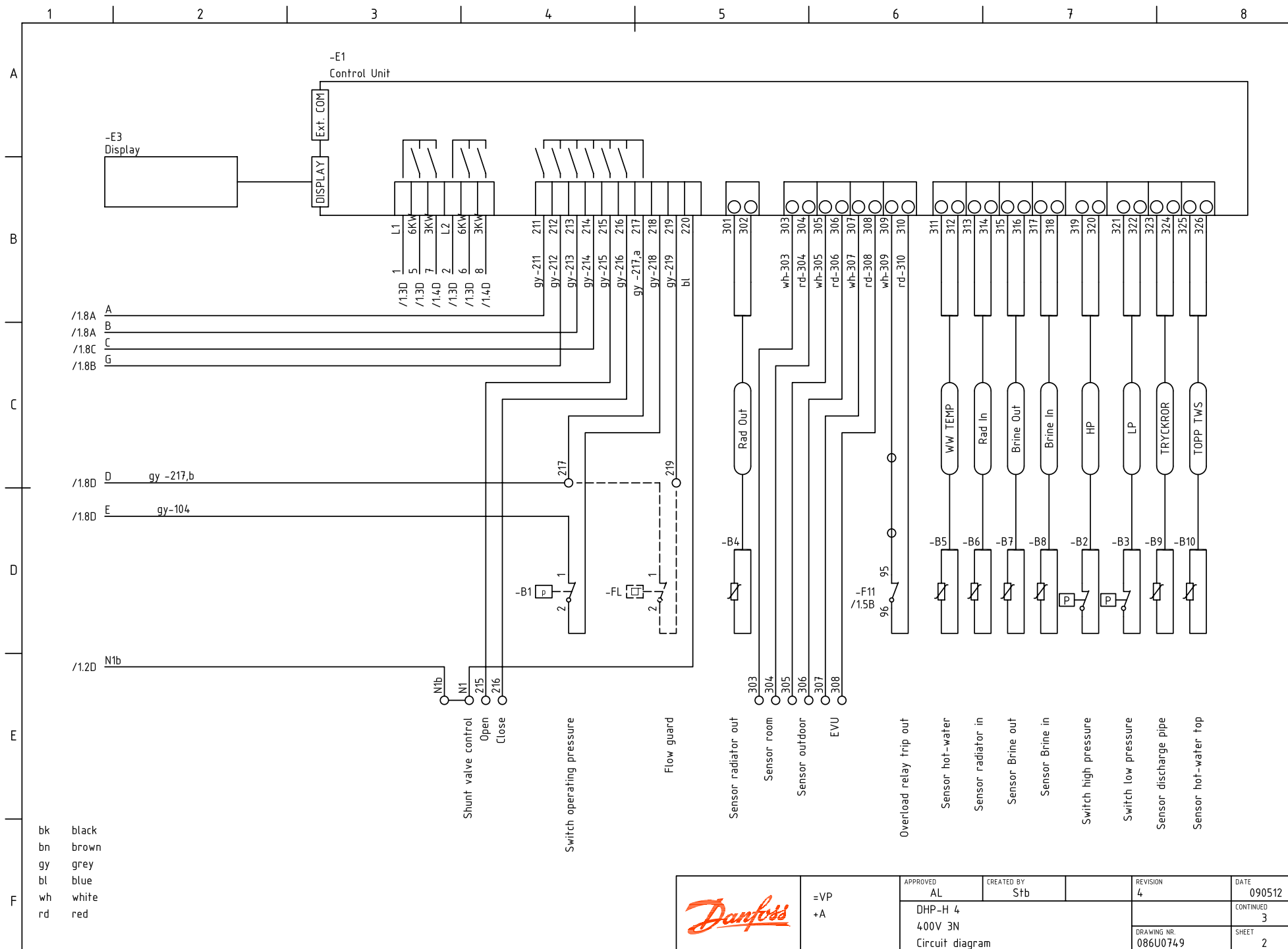
- All electrical wiring must be carried out by a certified electrician in compliance with local and national codes and regulations. When in doubt, contact the local electricity distributor.
- The mains lead is passed through the top of the unit.
- Remove the front panel to get access to the terminal blocks. Connect the mains lead to the terminal block according to the accompanying schematic diagram.
- The connection of the heat pump to the mains supply must be hard-wired and a multi-pole switch (safety switch) must be installed in the power supply line to the unit.

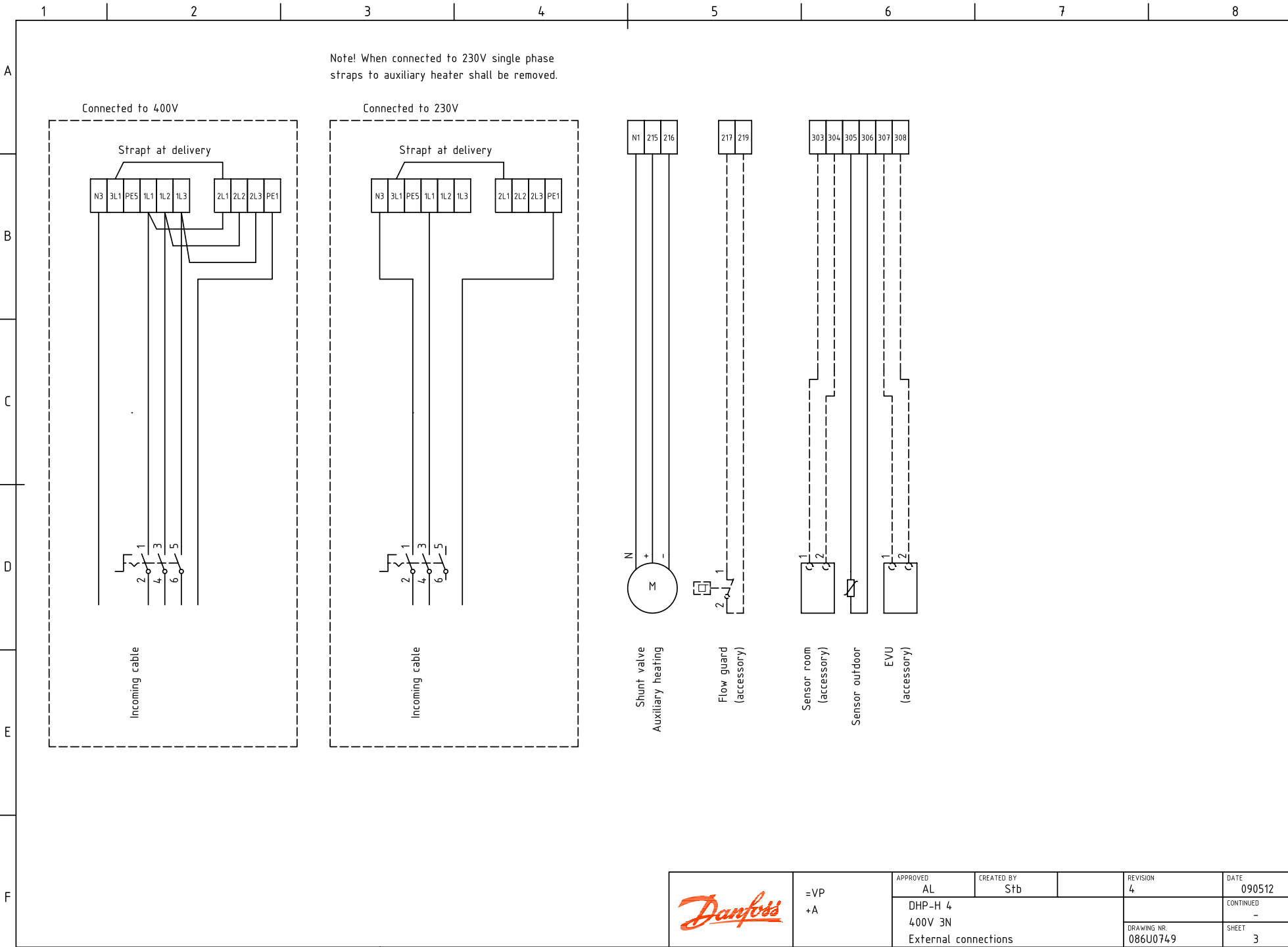
WARNING! To disconnect the power supply to the heat pump, the safety switch must be switched off.

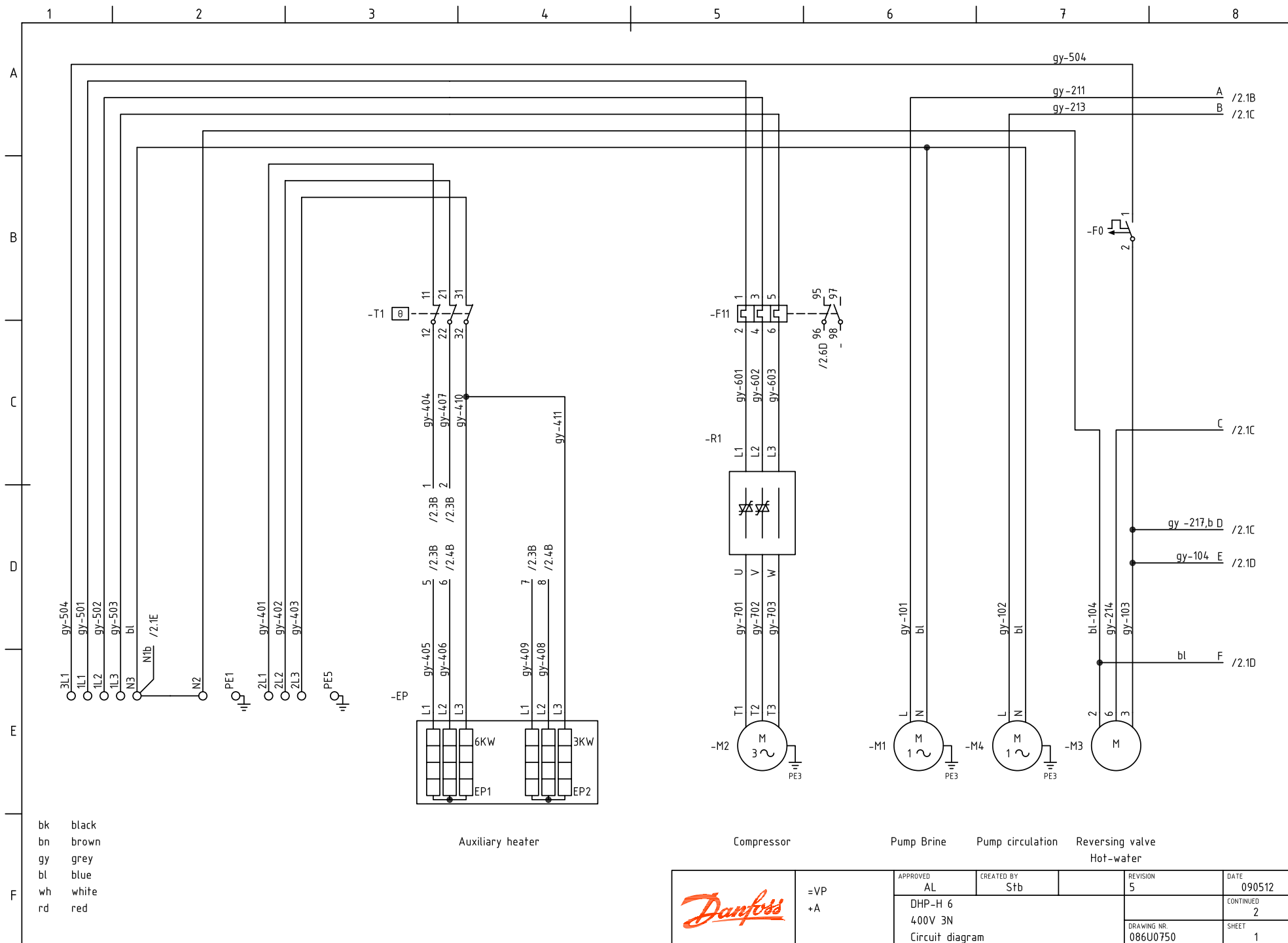
NOTE! The cables to the outdoor and indoor sensors carry low voltage. Interference from surrounding cables may affect these and cause incorrect information to be sent to the control unit. It is therefore vitally important that careful consideration be given to positioning of cables. Low-voltage cables must be kept well separated from high-voltage cables. It is important that low-voltage cables are run parallel to high-voltage cables and separated by a distance of at least 25 cm for cable lengths up to 100 m. For longer cable lengths, the distance between cables should be increased.

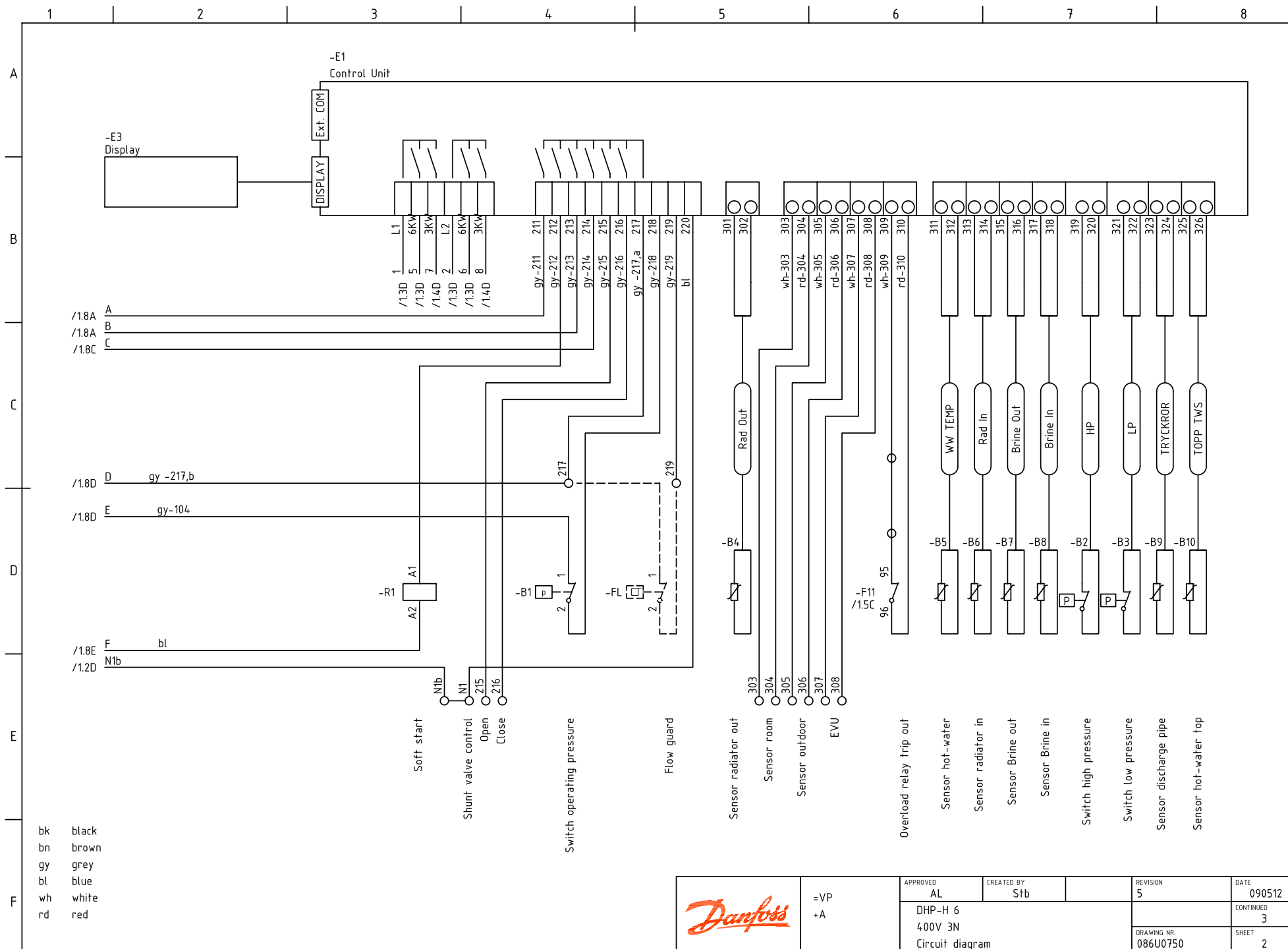
Important information

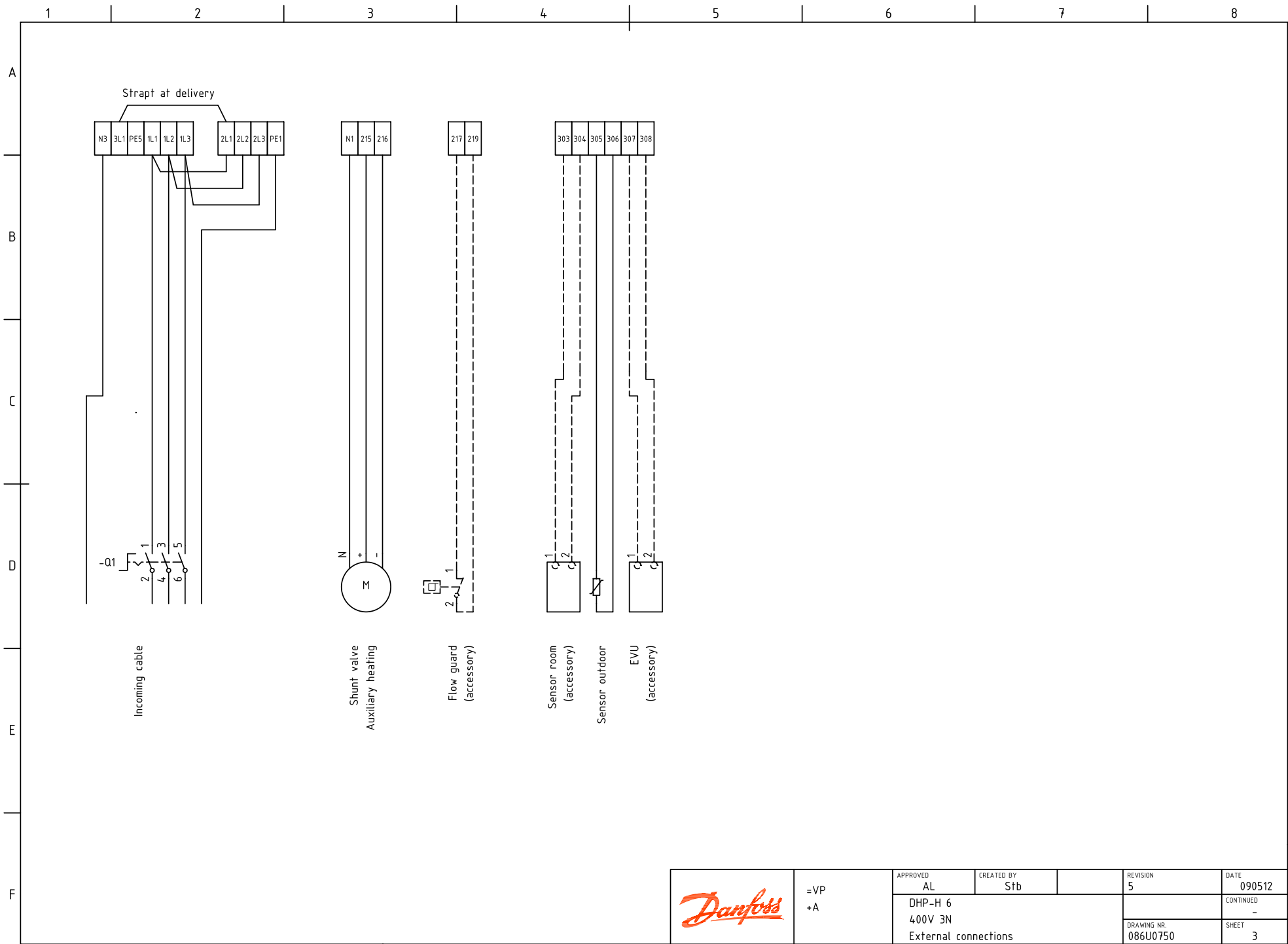
Before switching on the power supply to the heat pump, you must ensure that the heating system, chilled water line and hot water heater are filled and vented. Otherwise, the circulation pumps can be severely damaged.




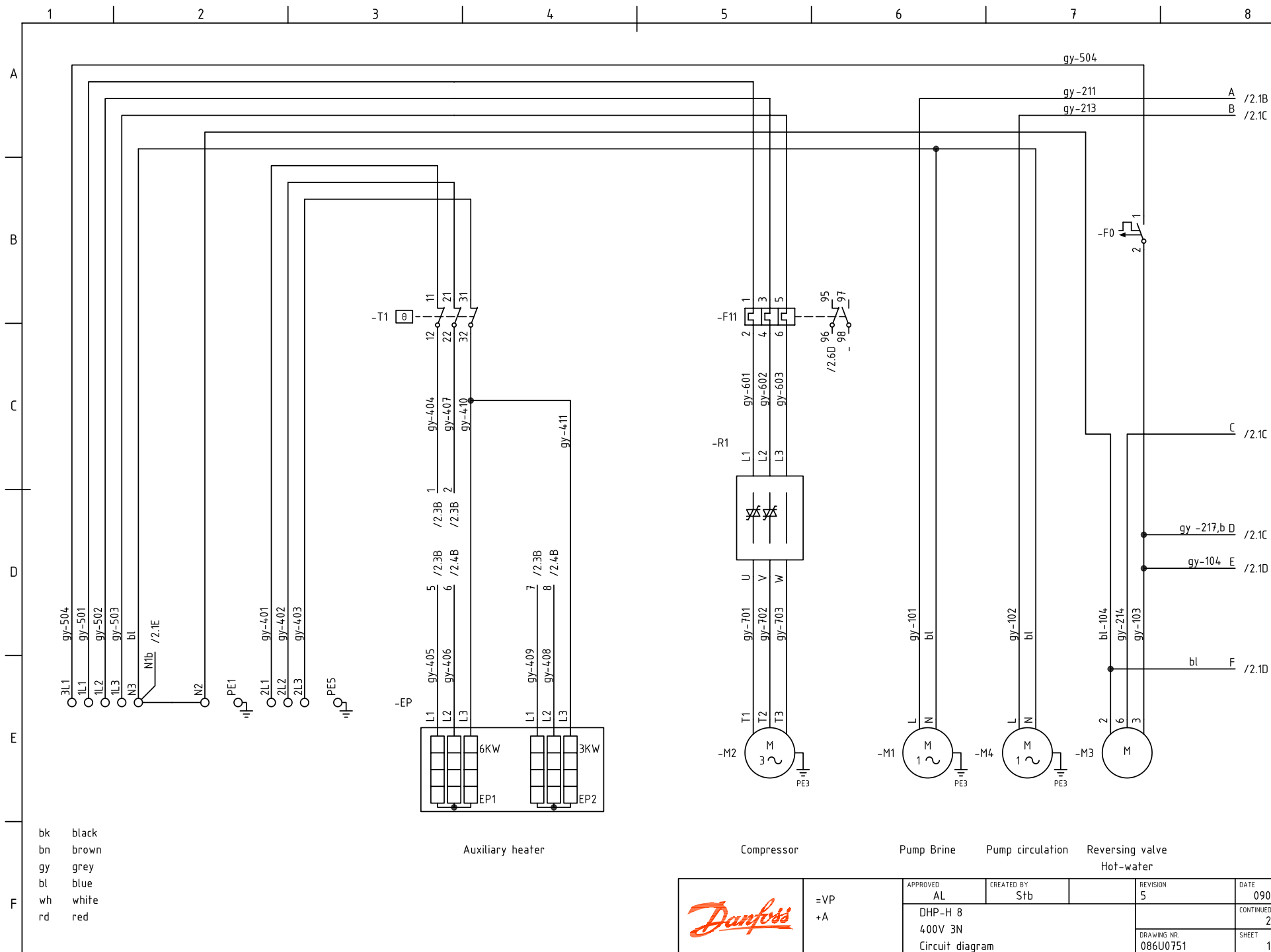


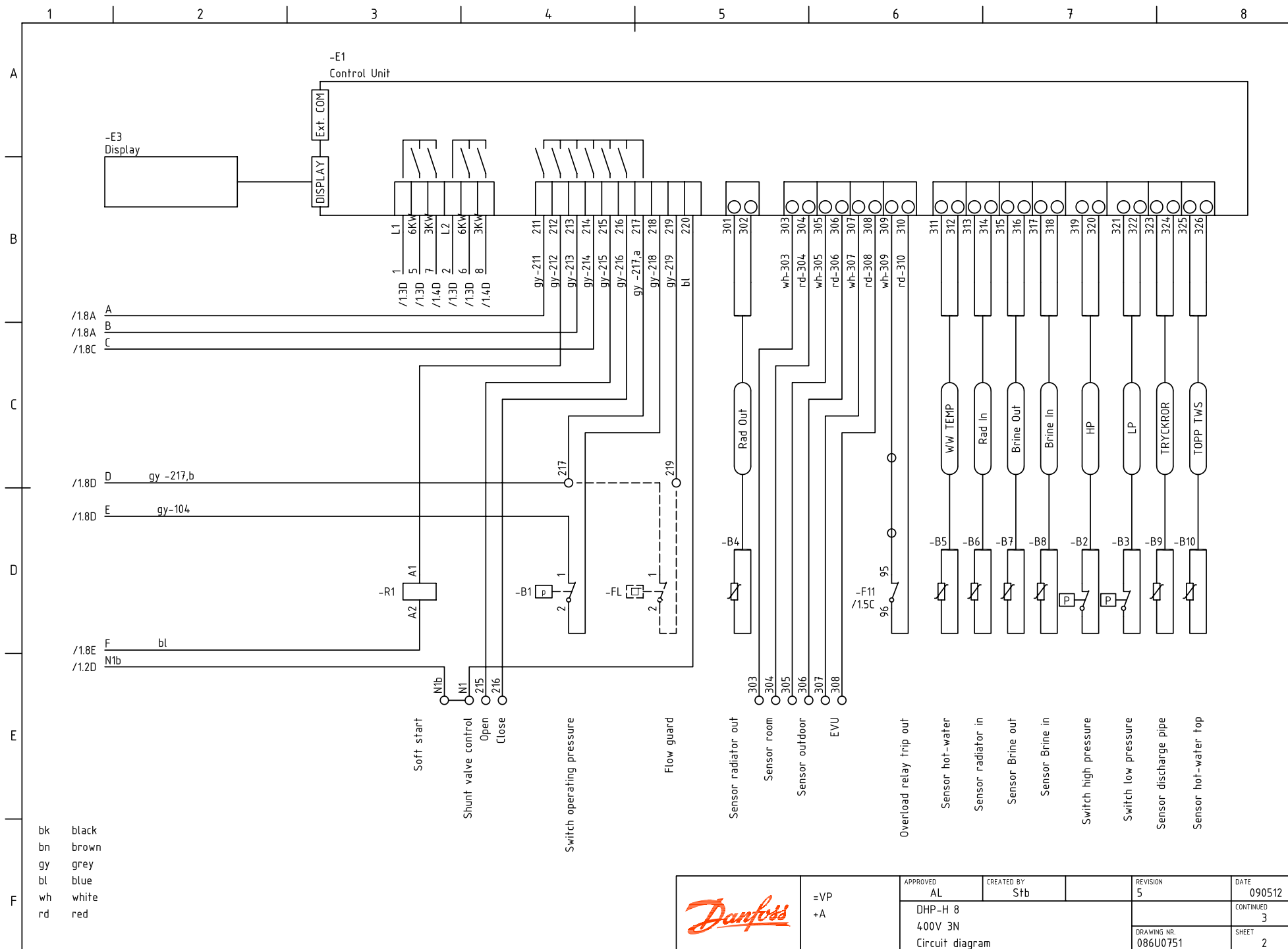


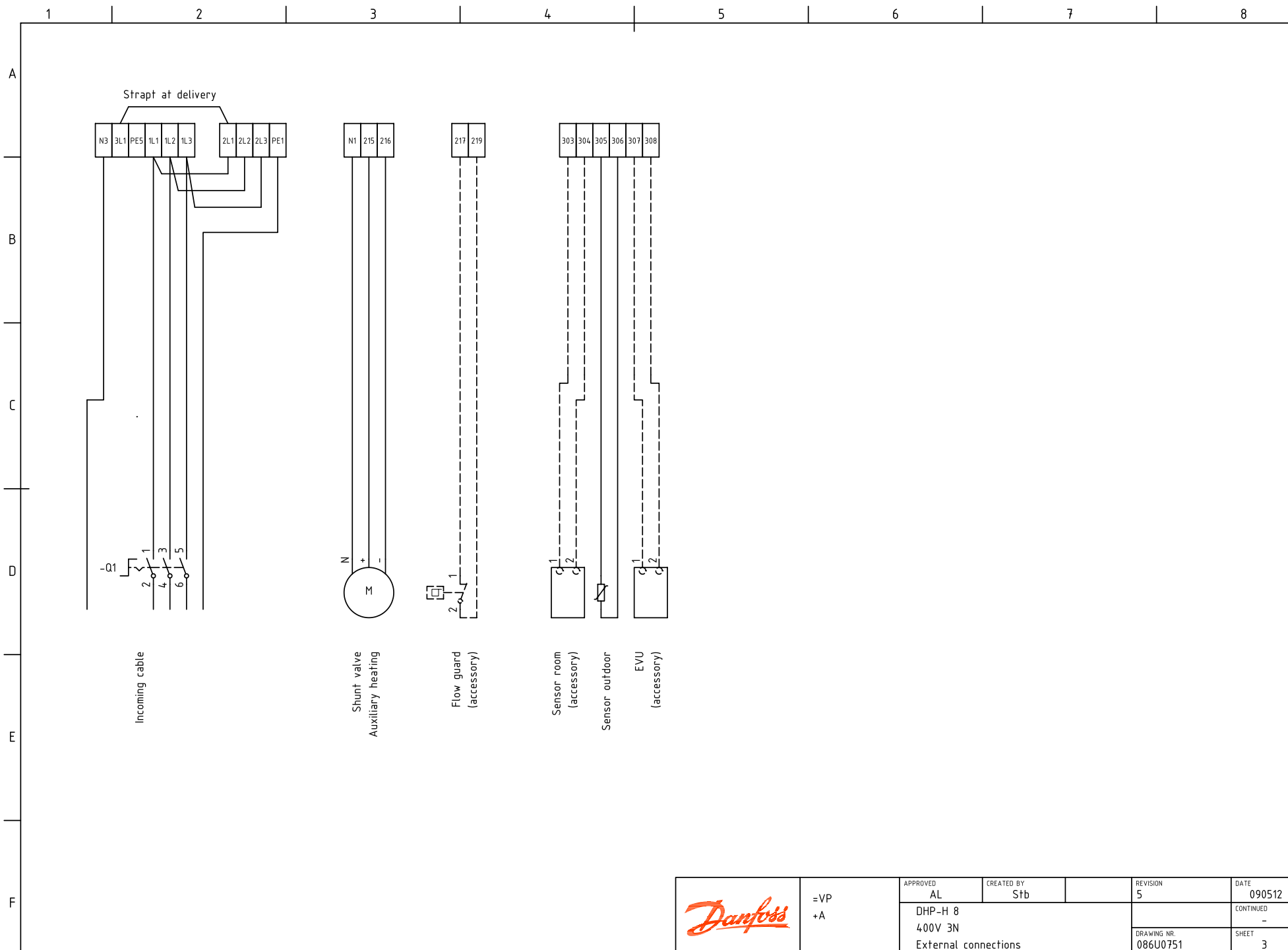




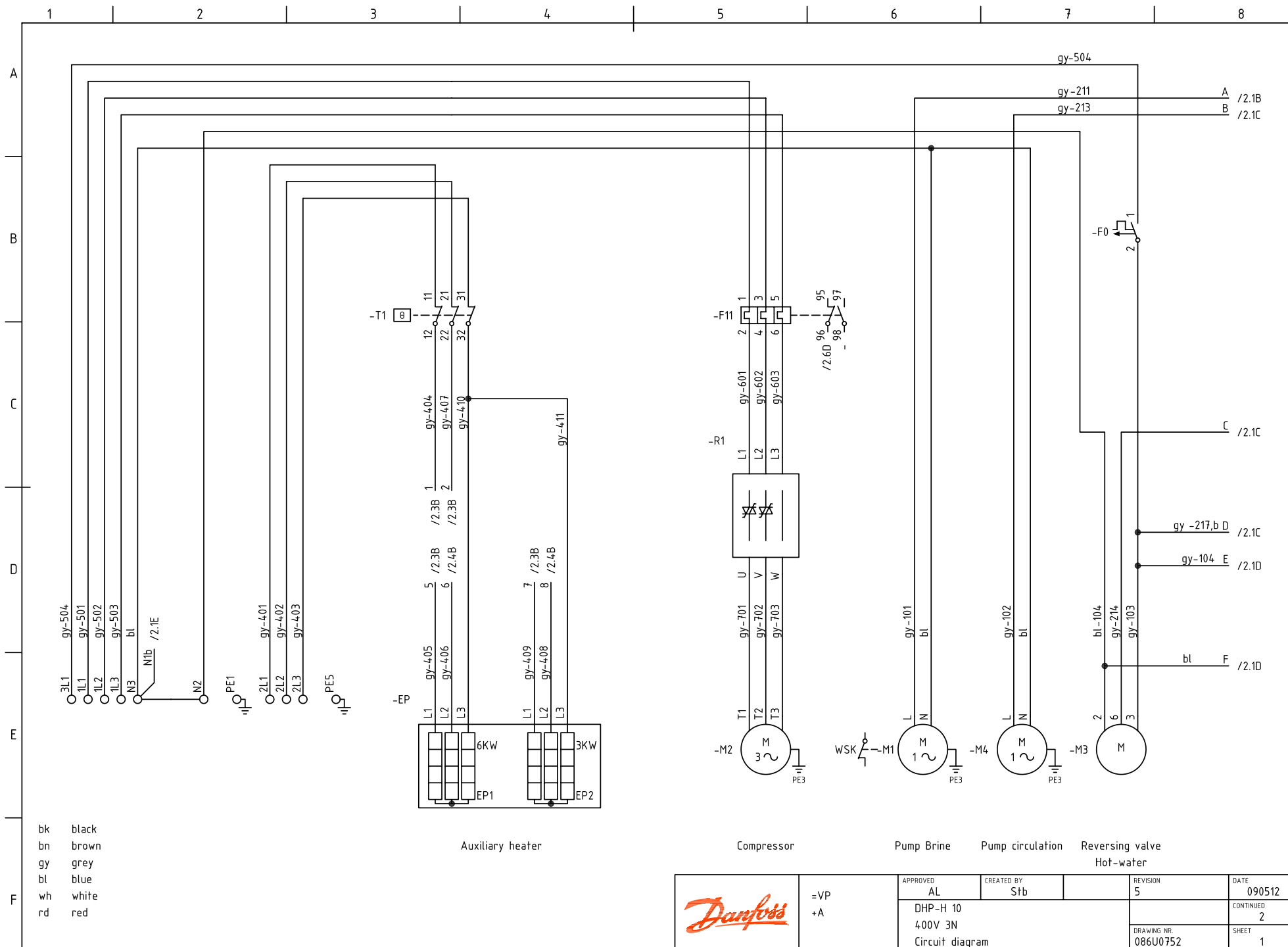
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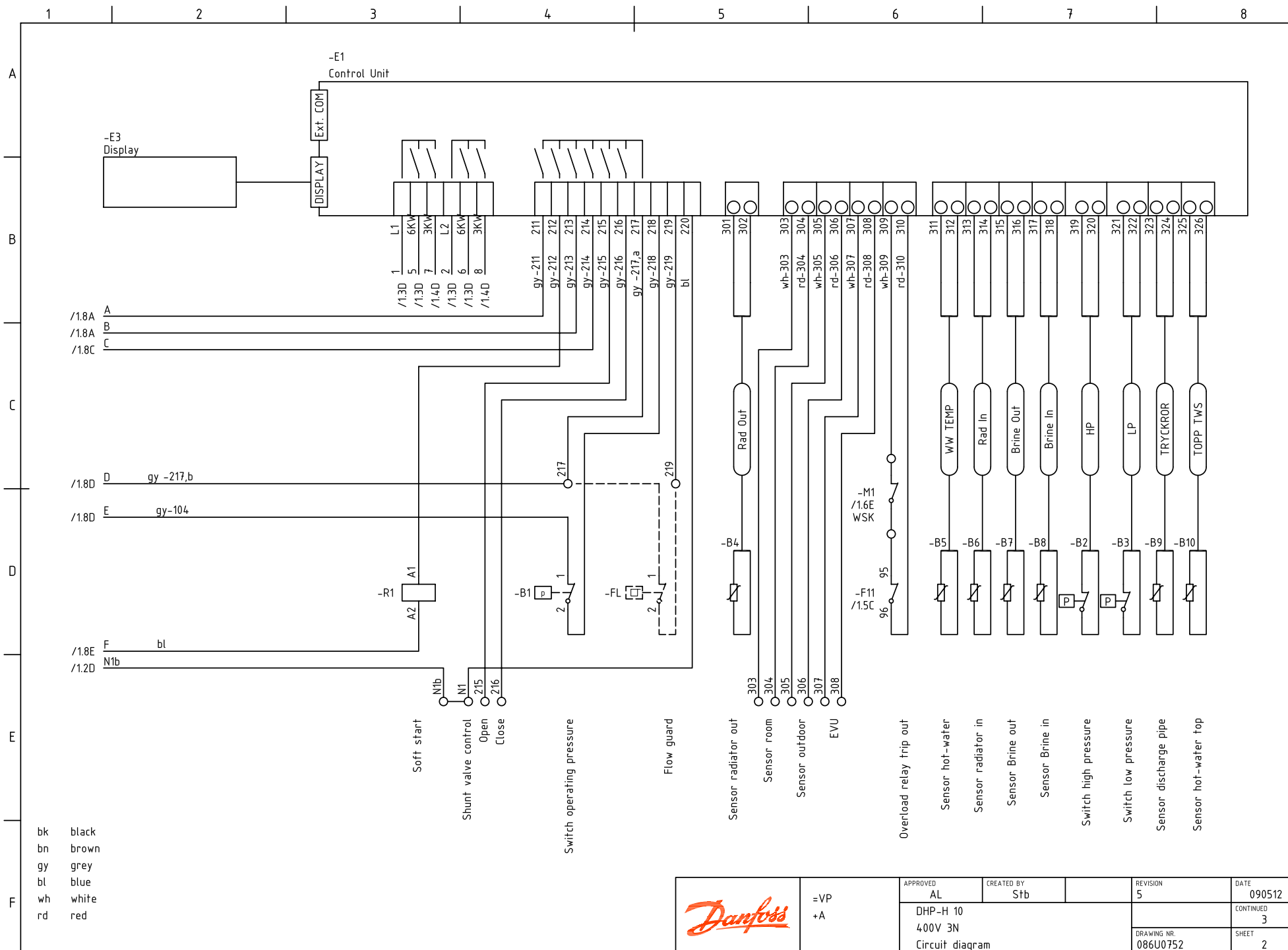


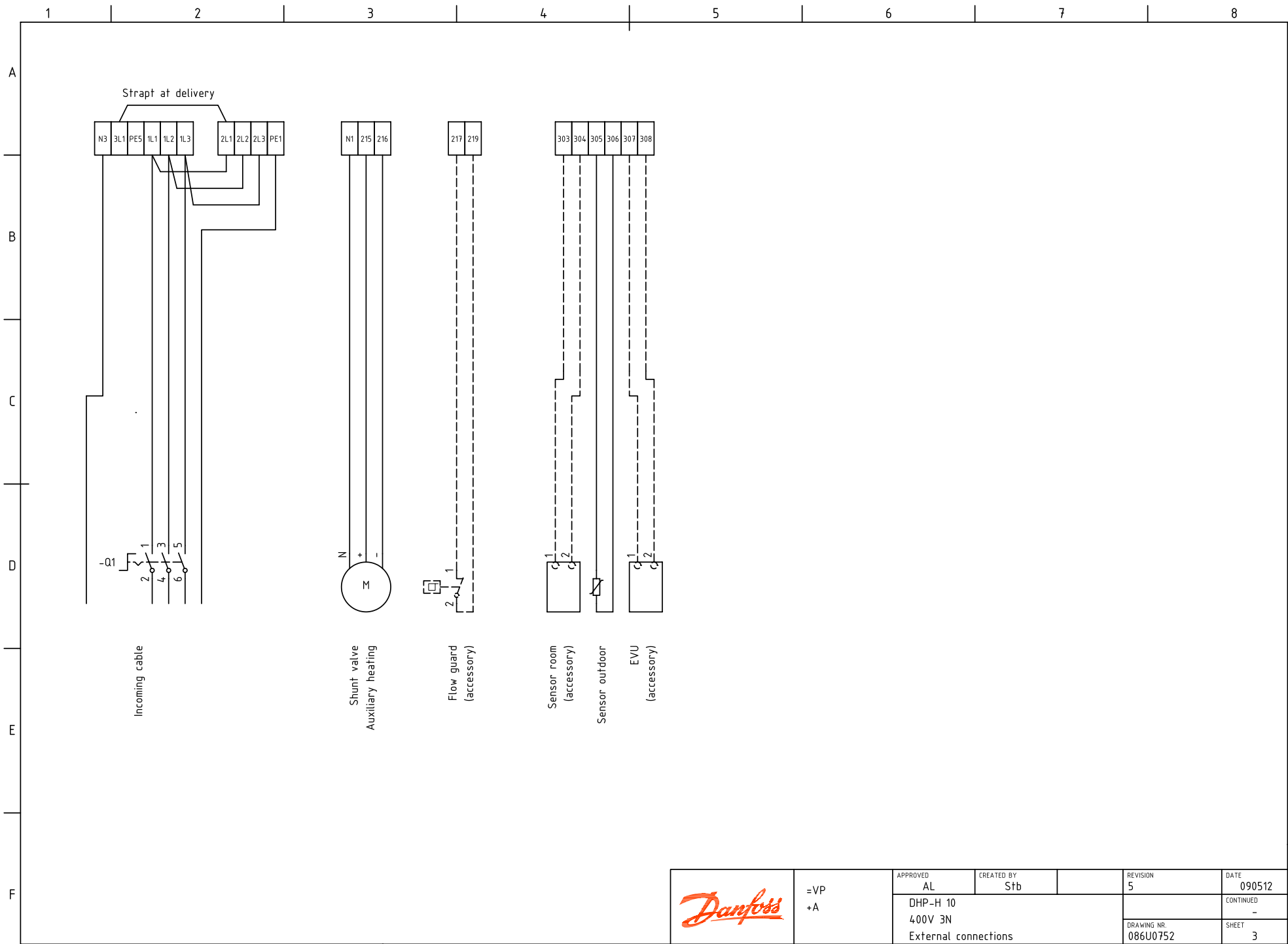


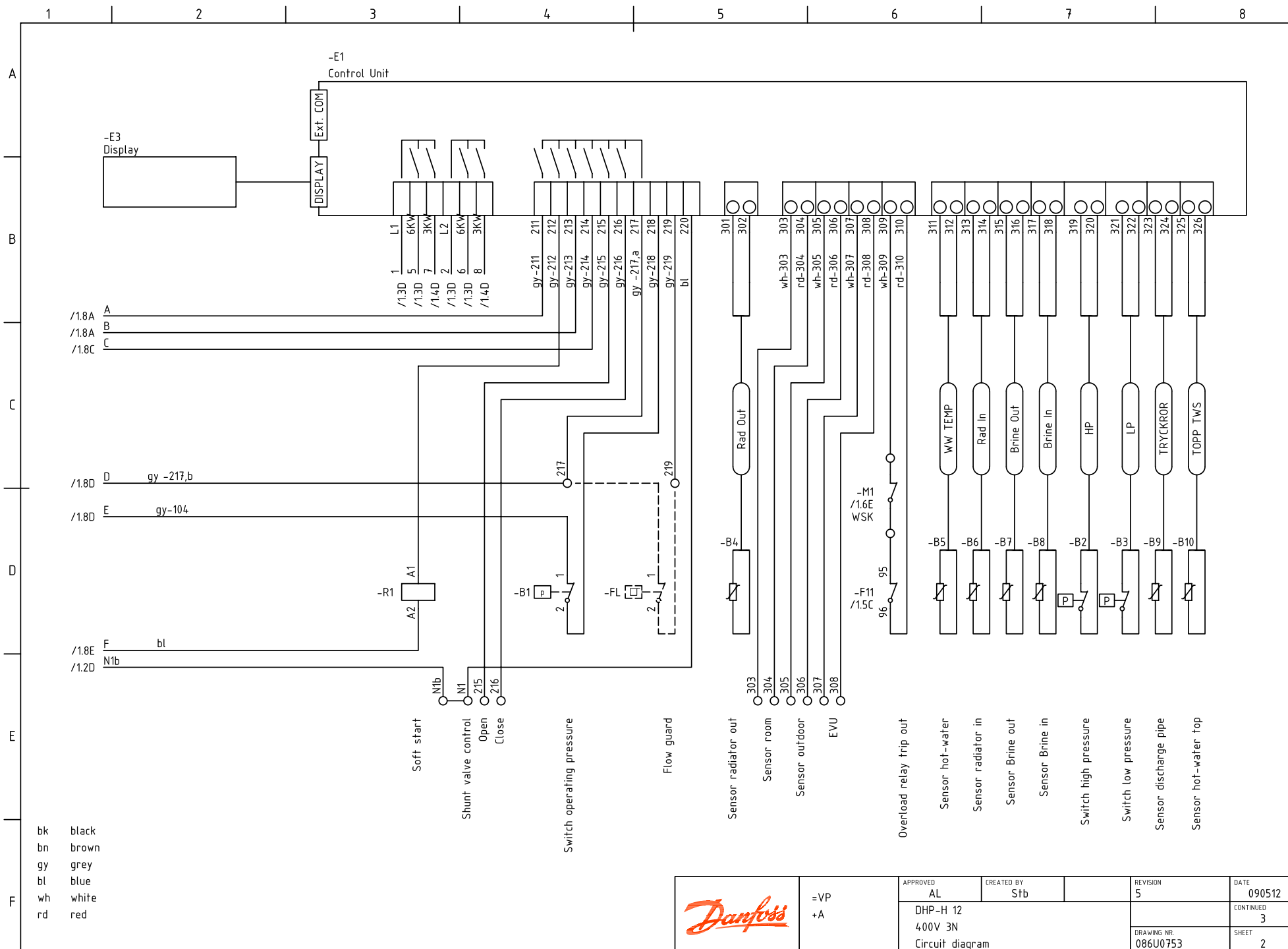


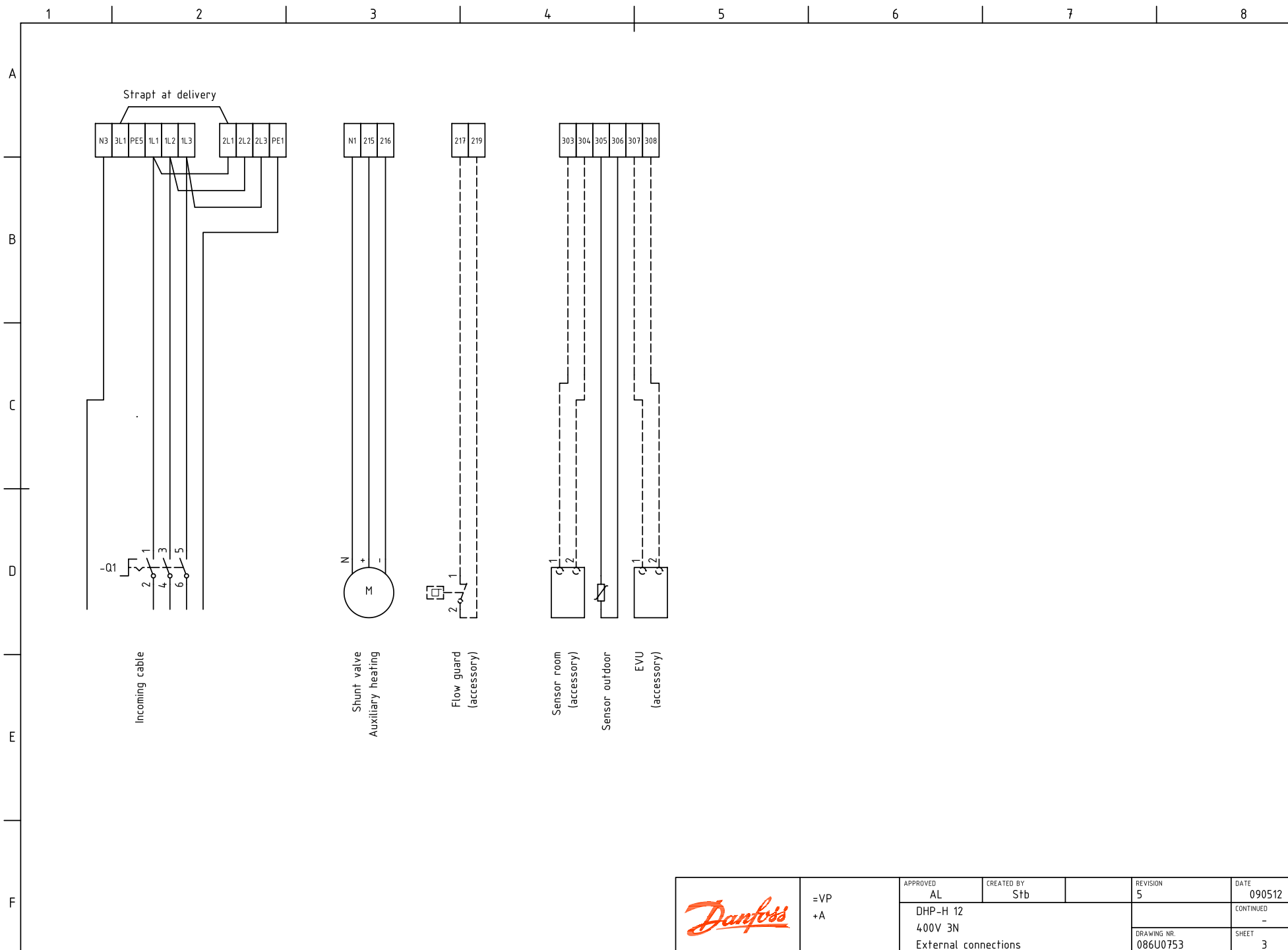
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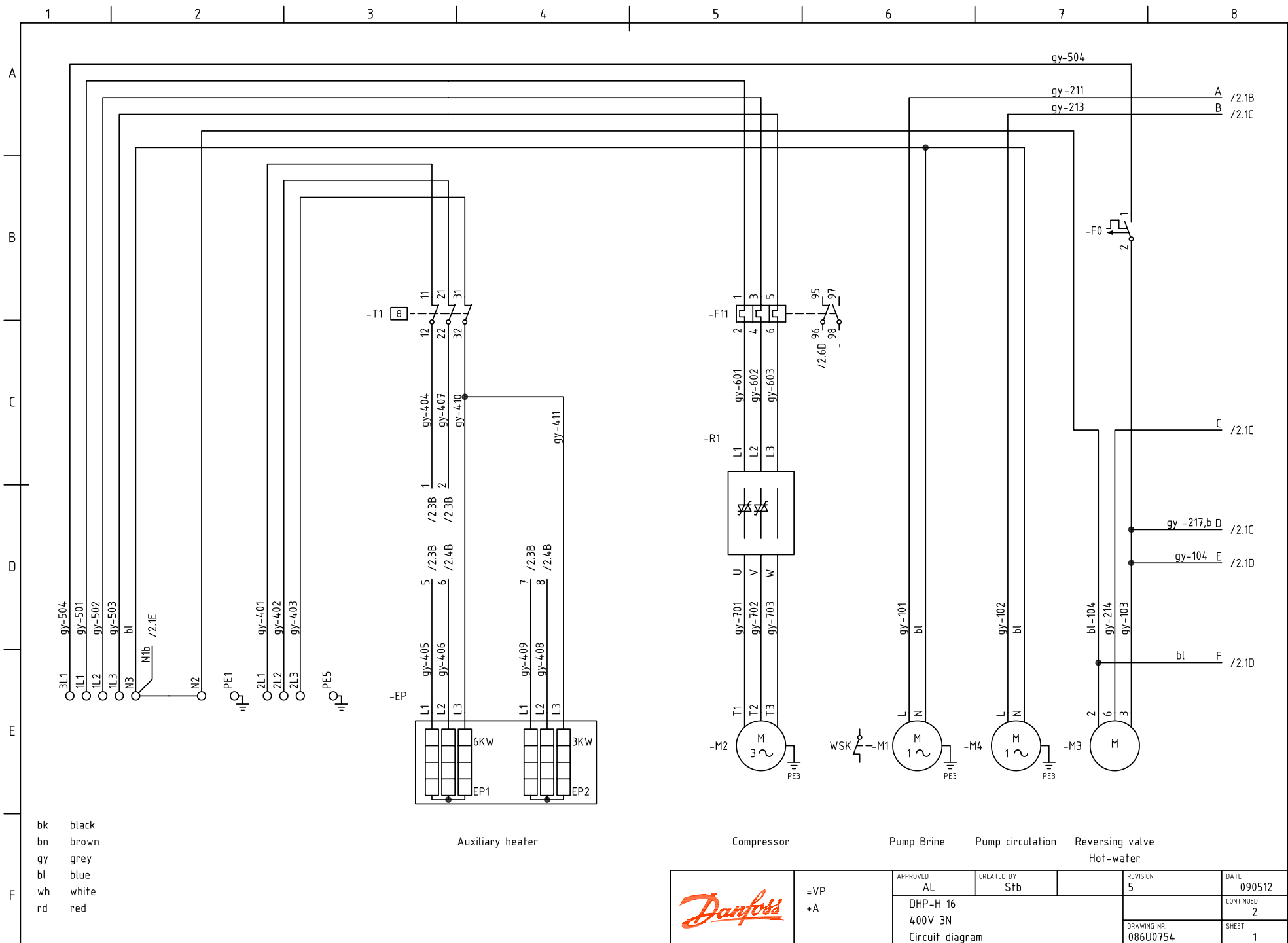


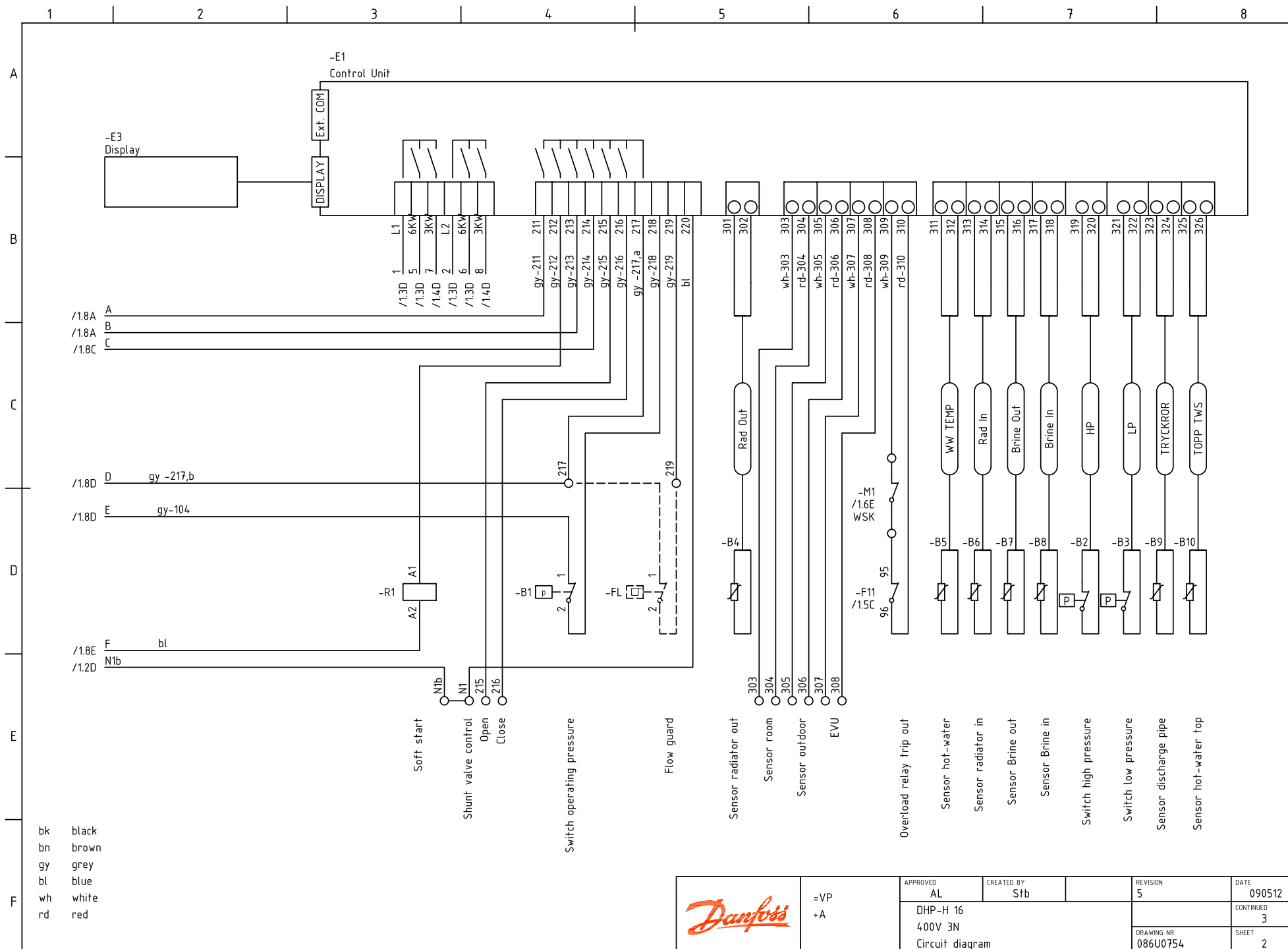


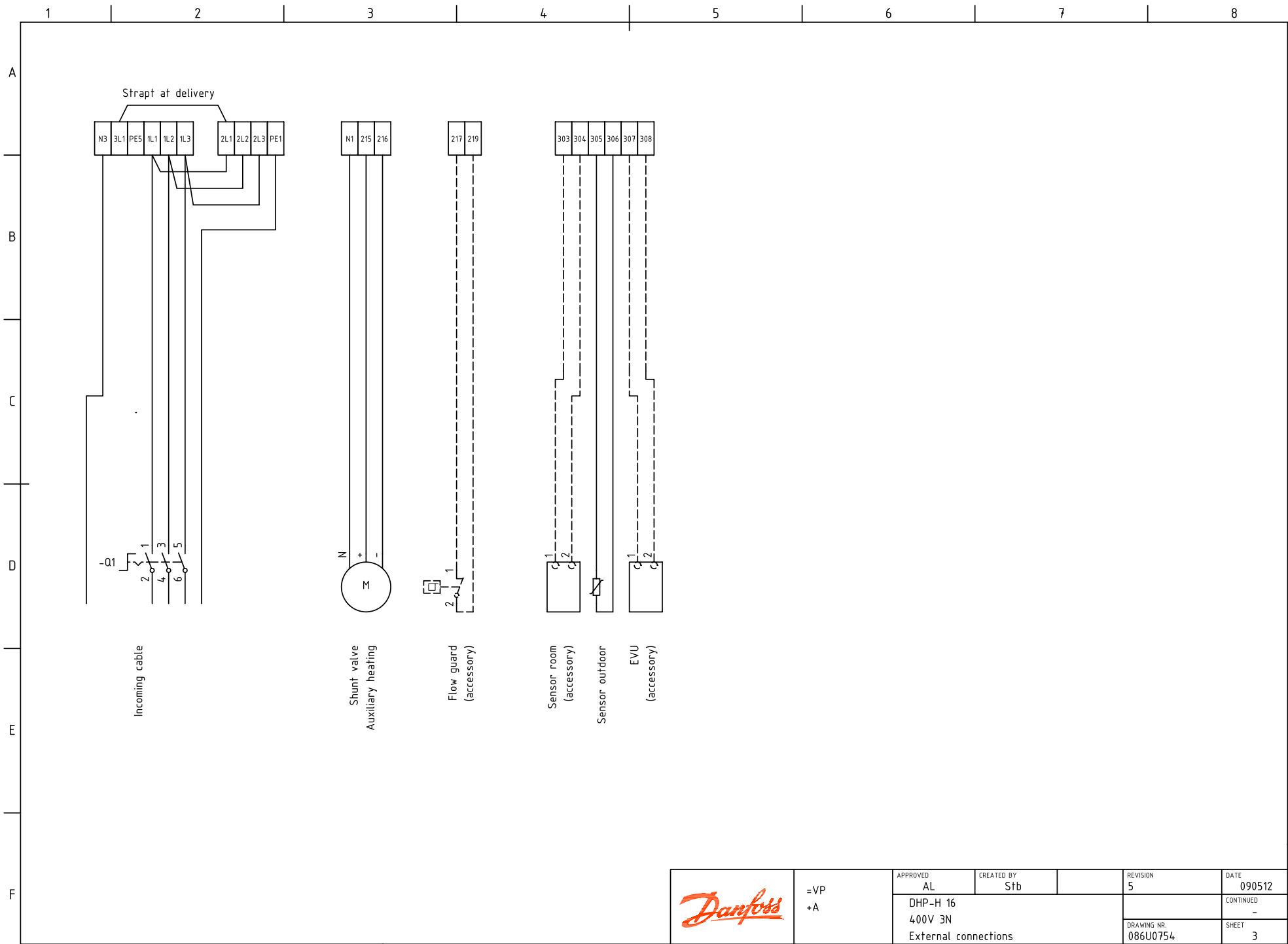





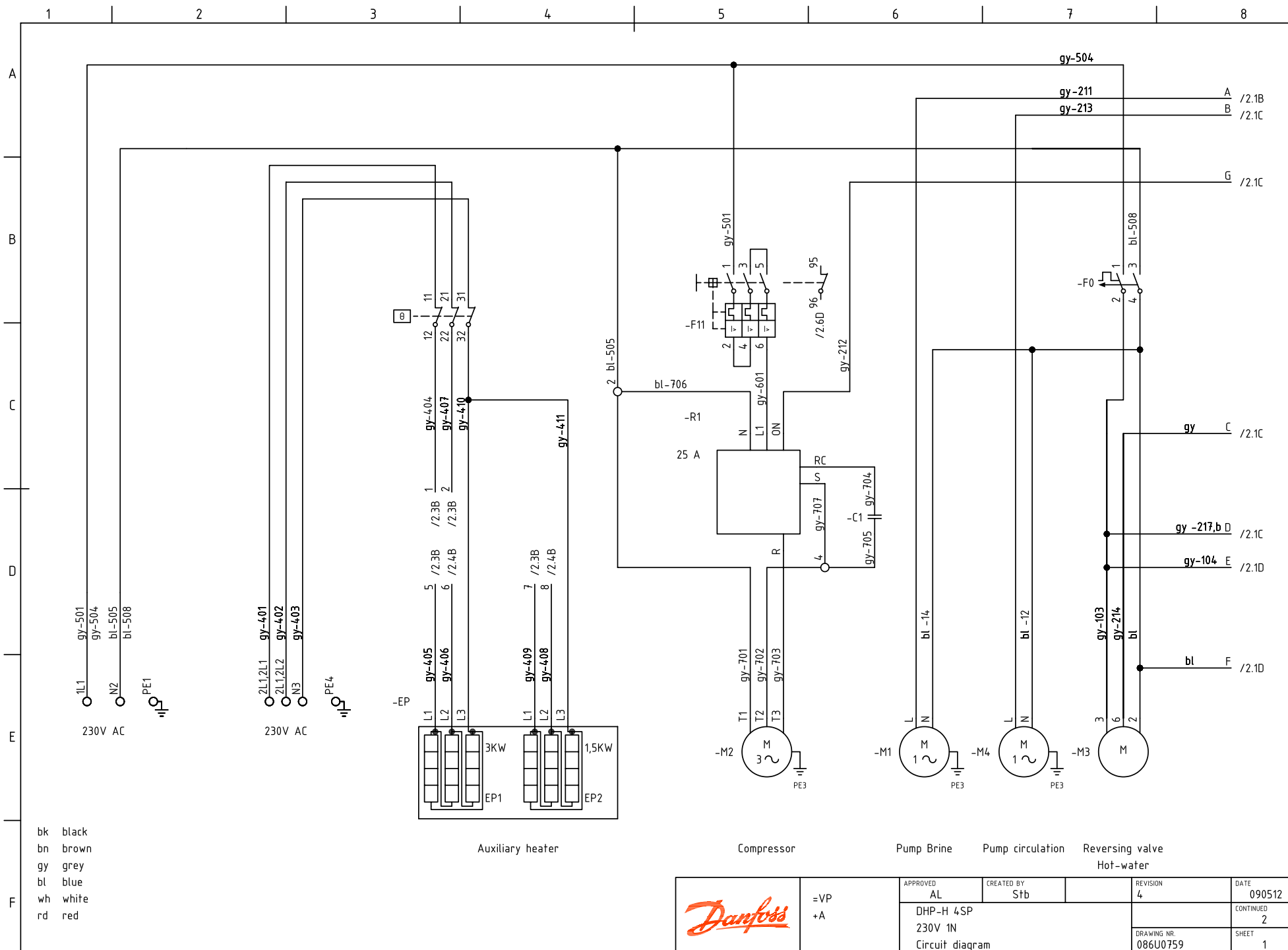
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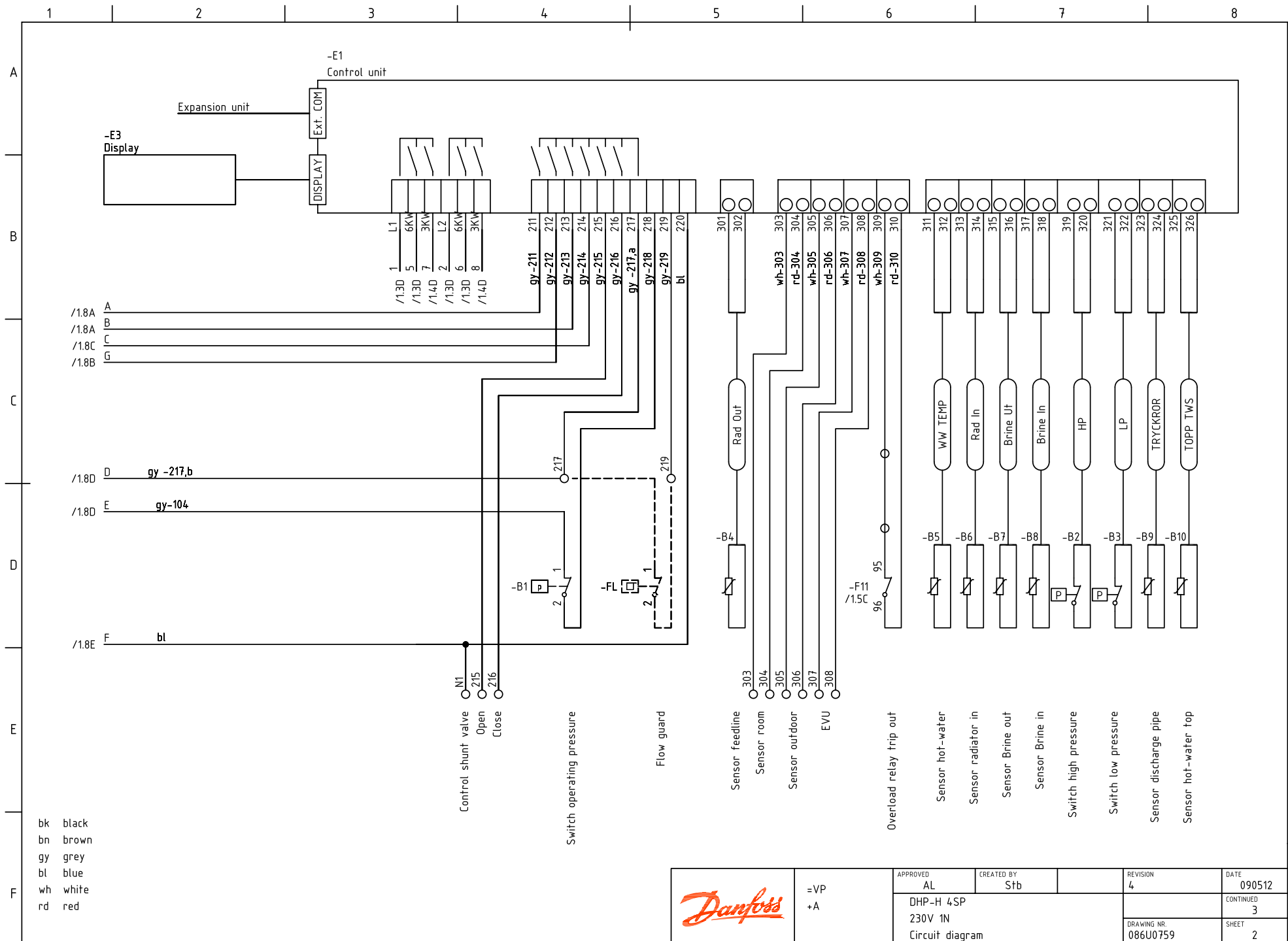


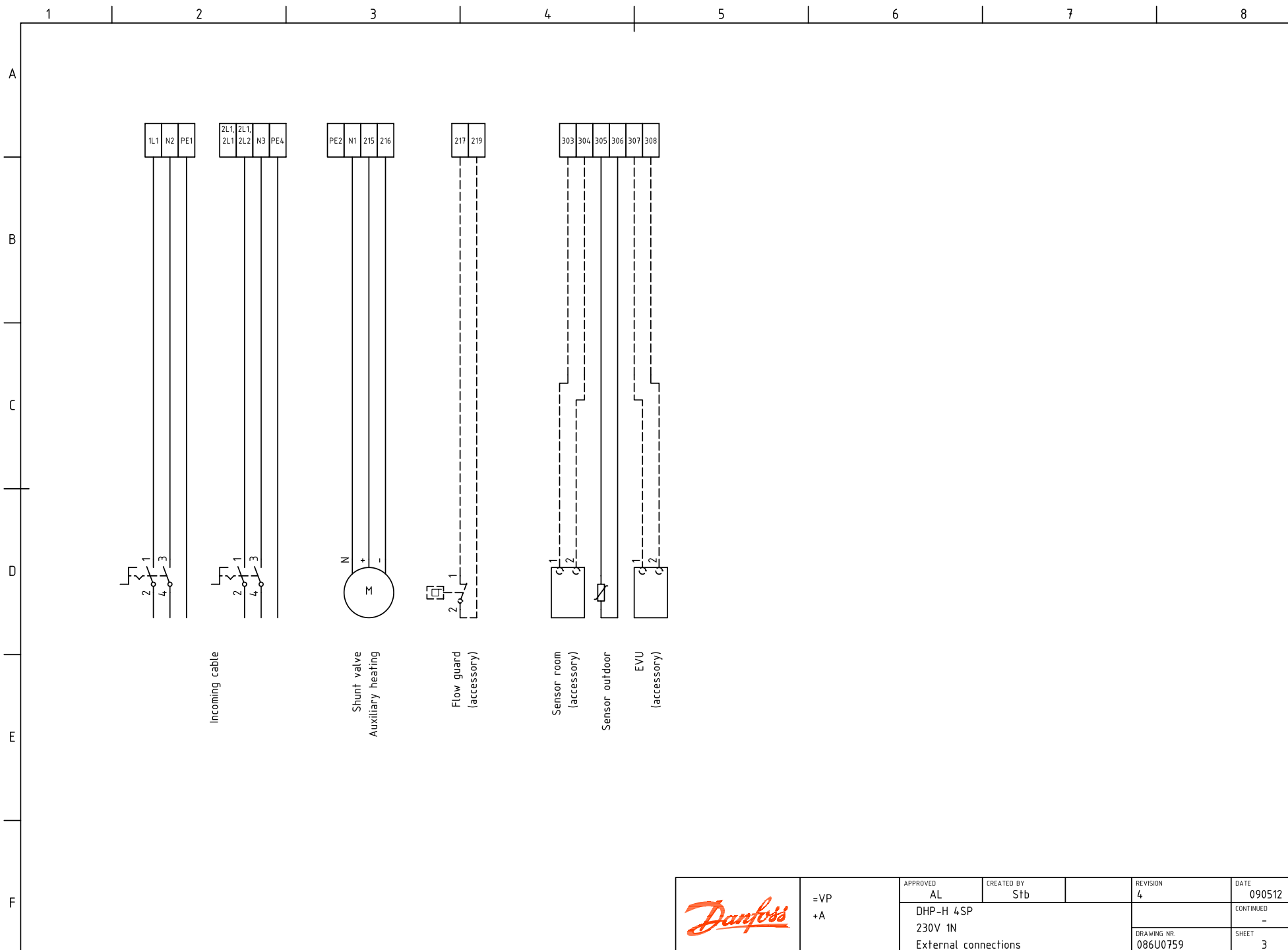





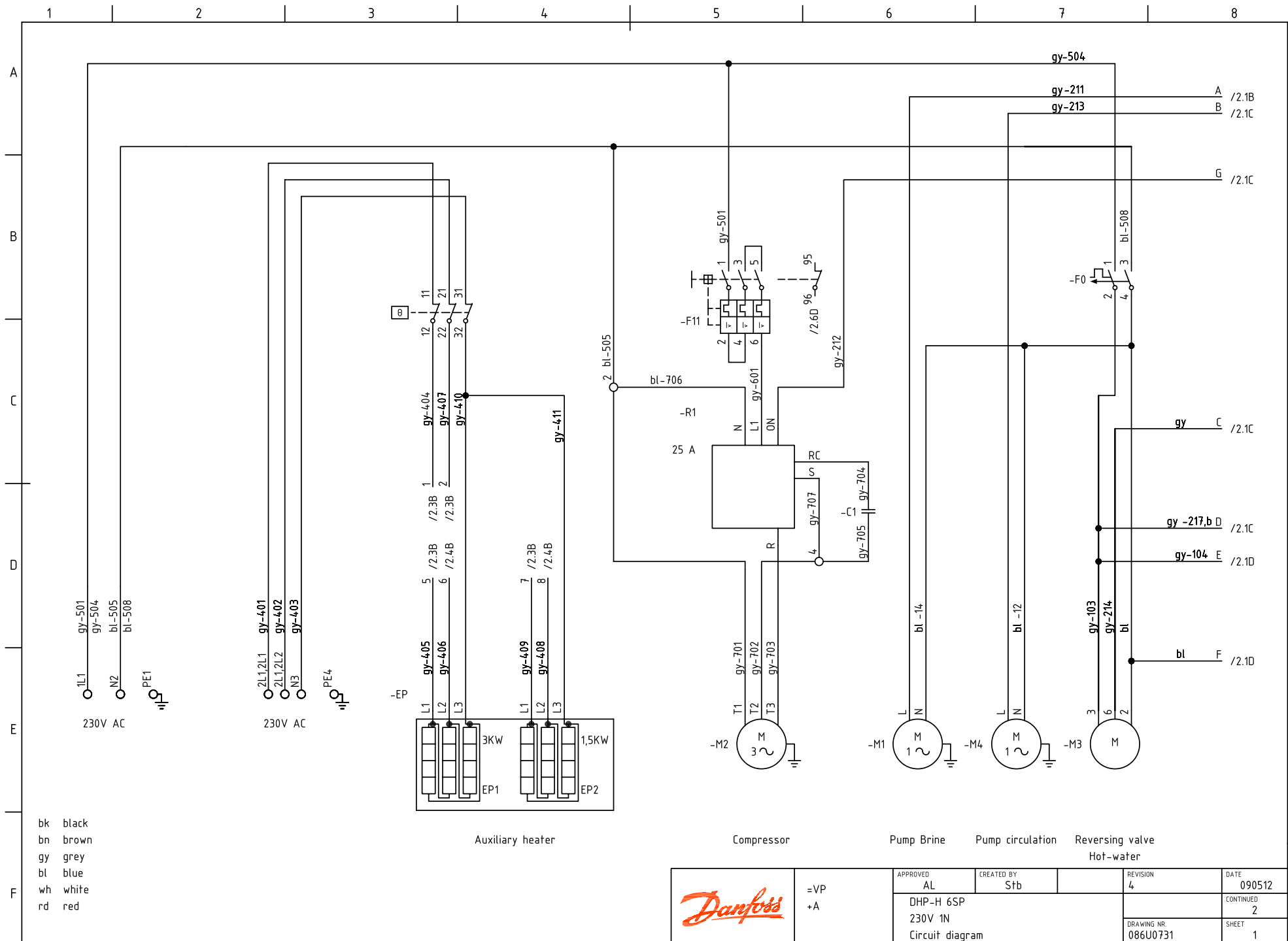
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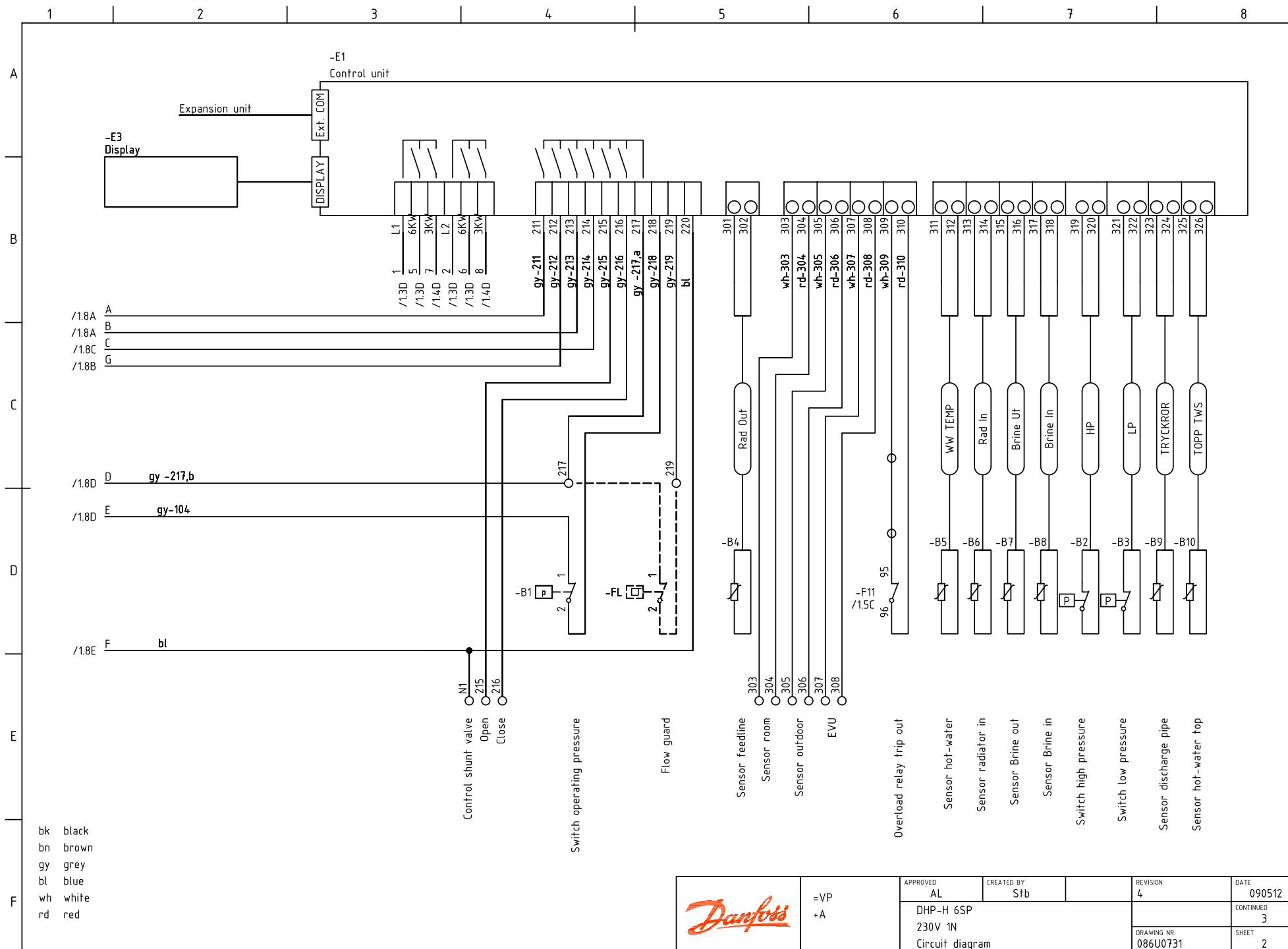


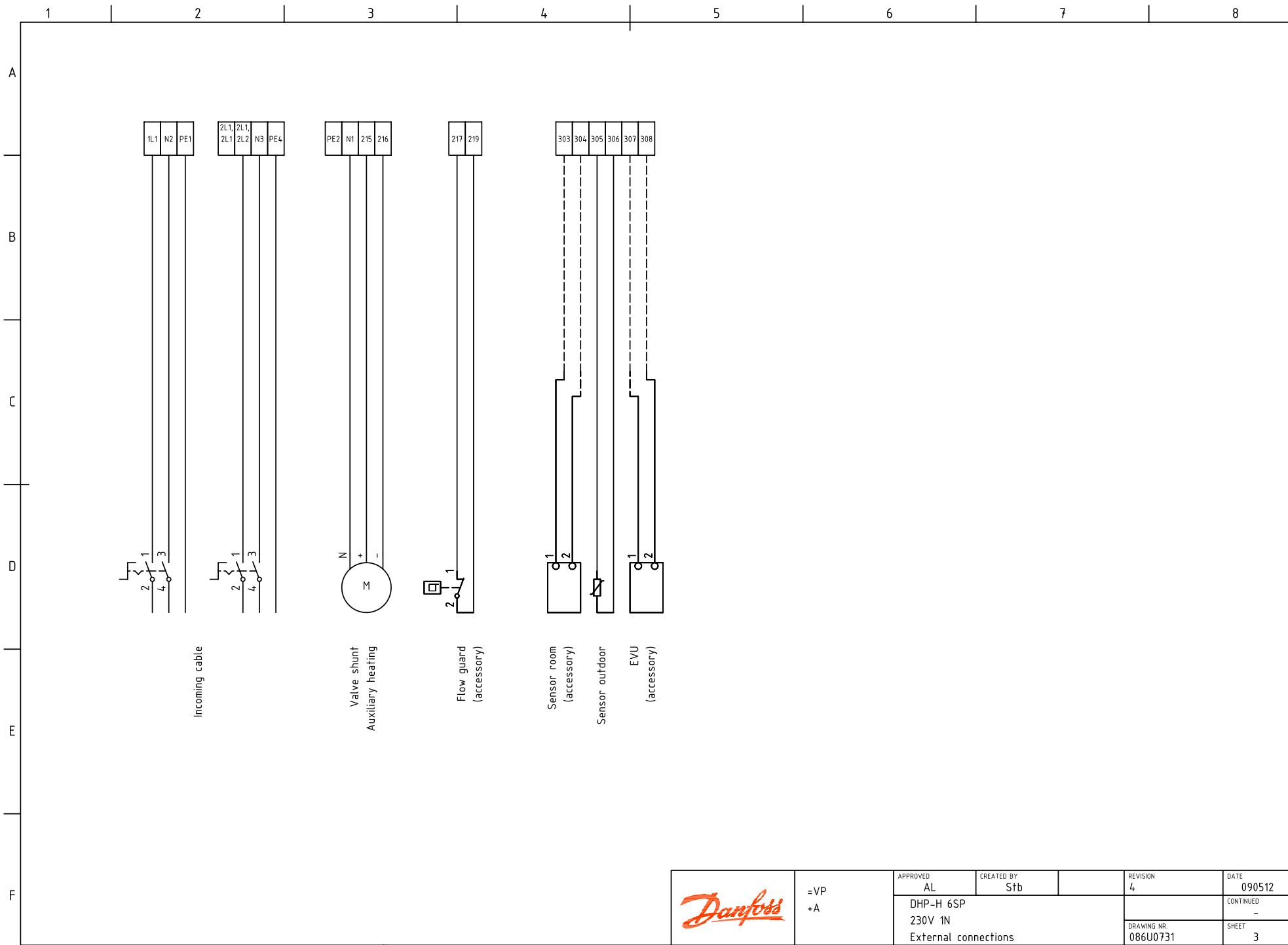





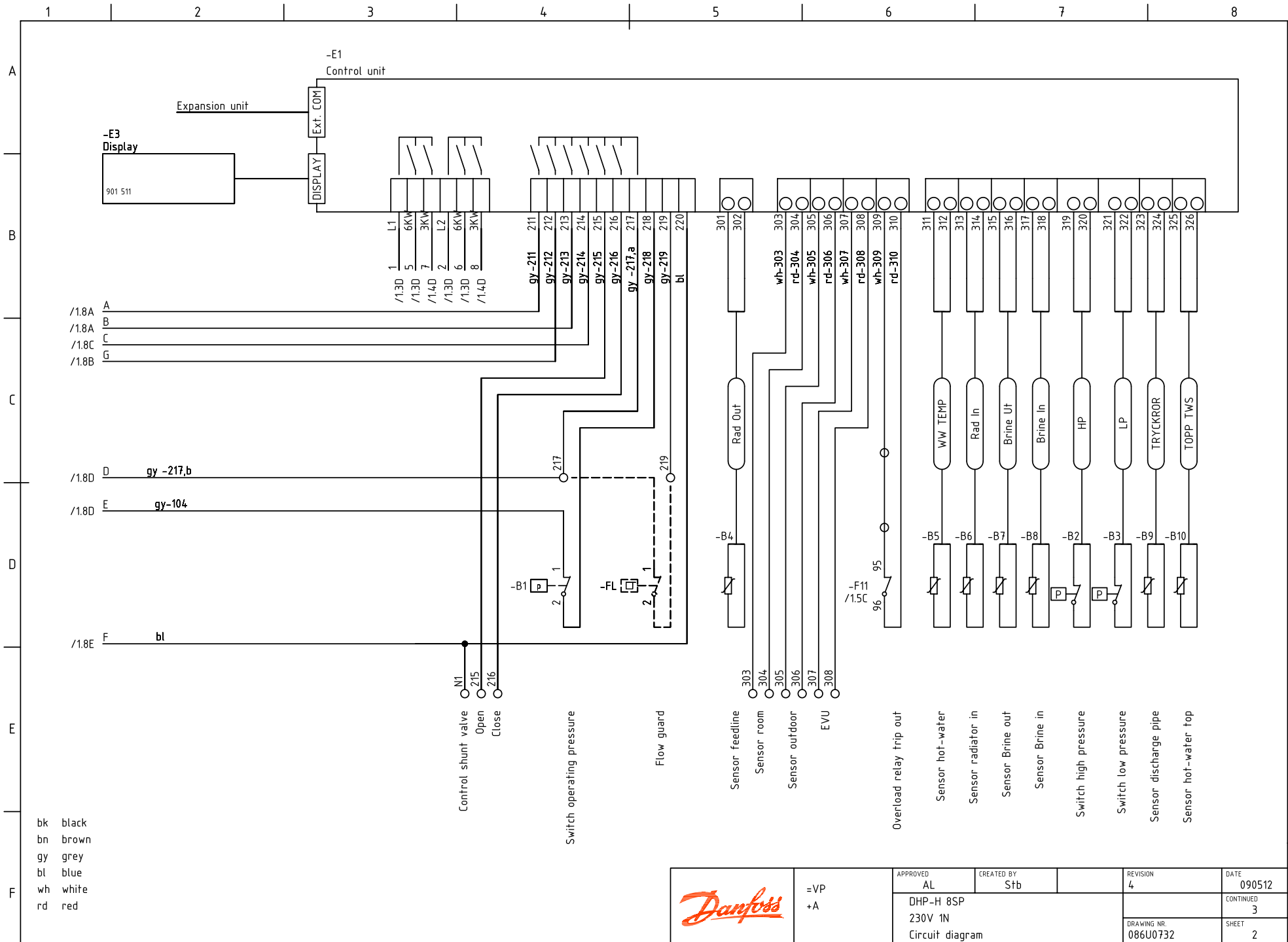
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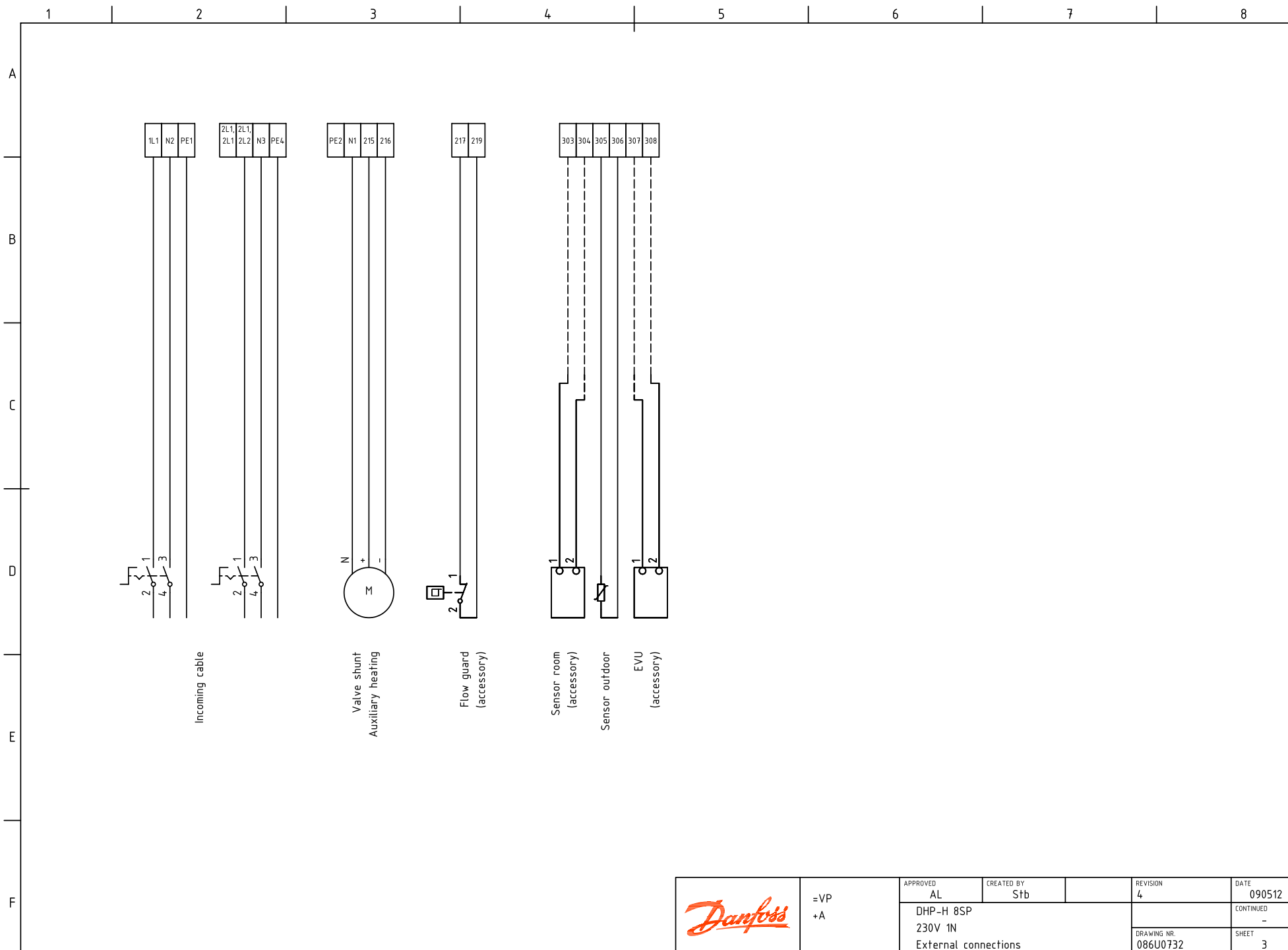


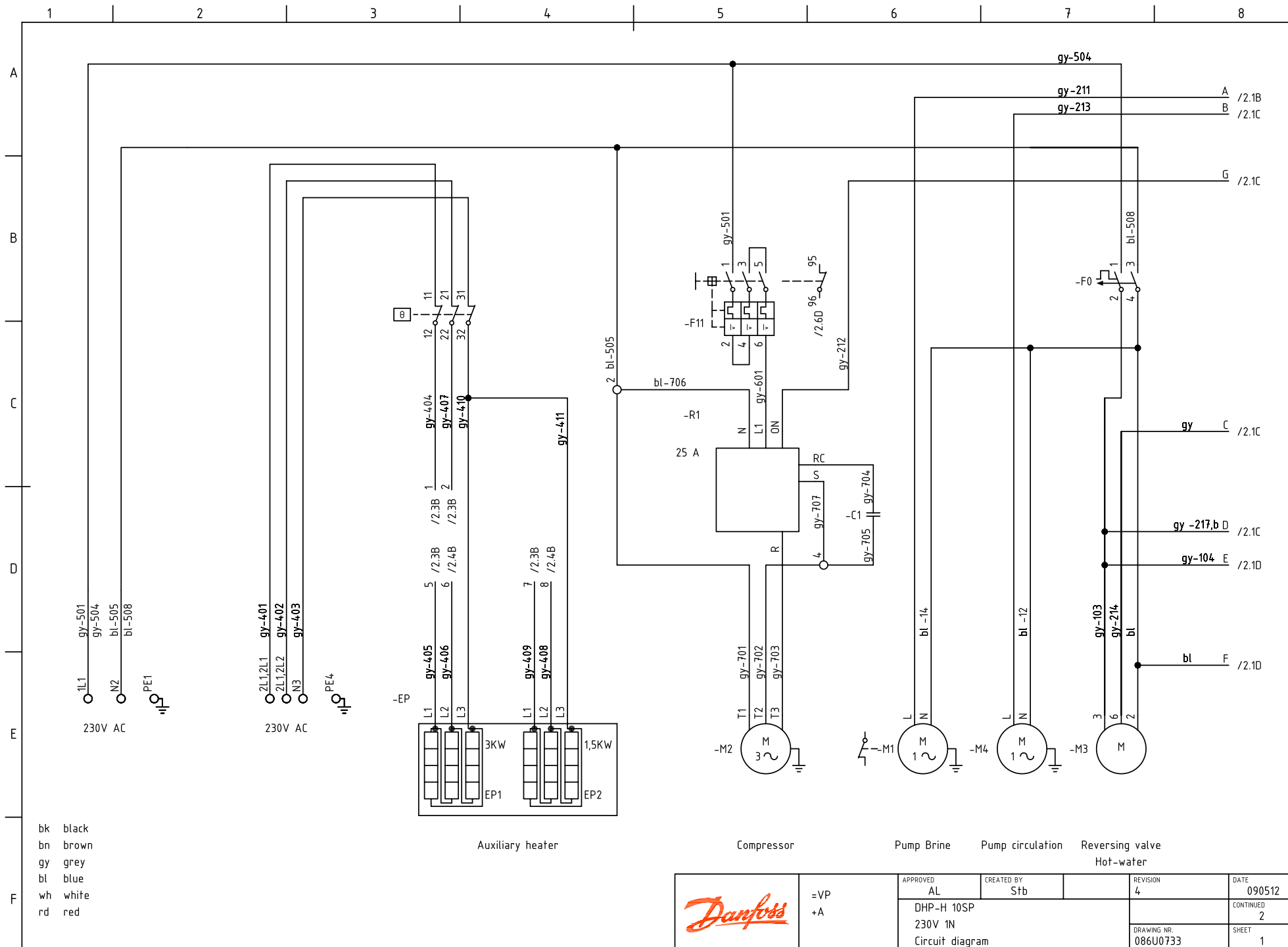


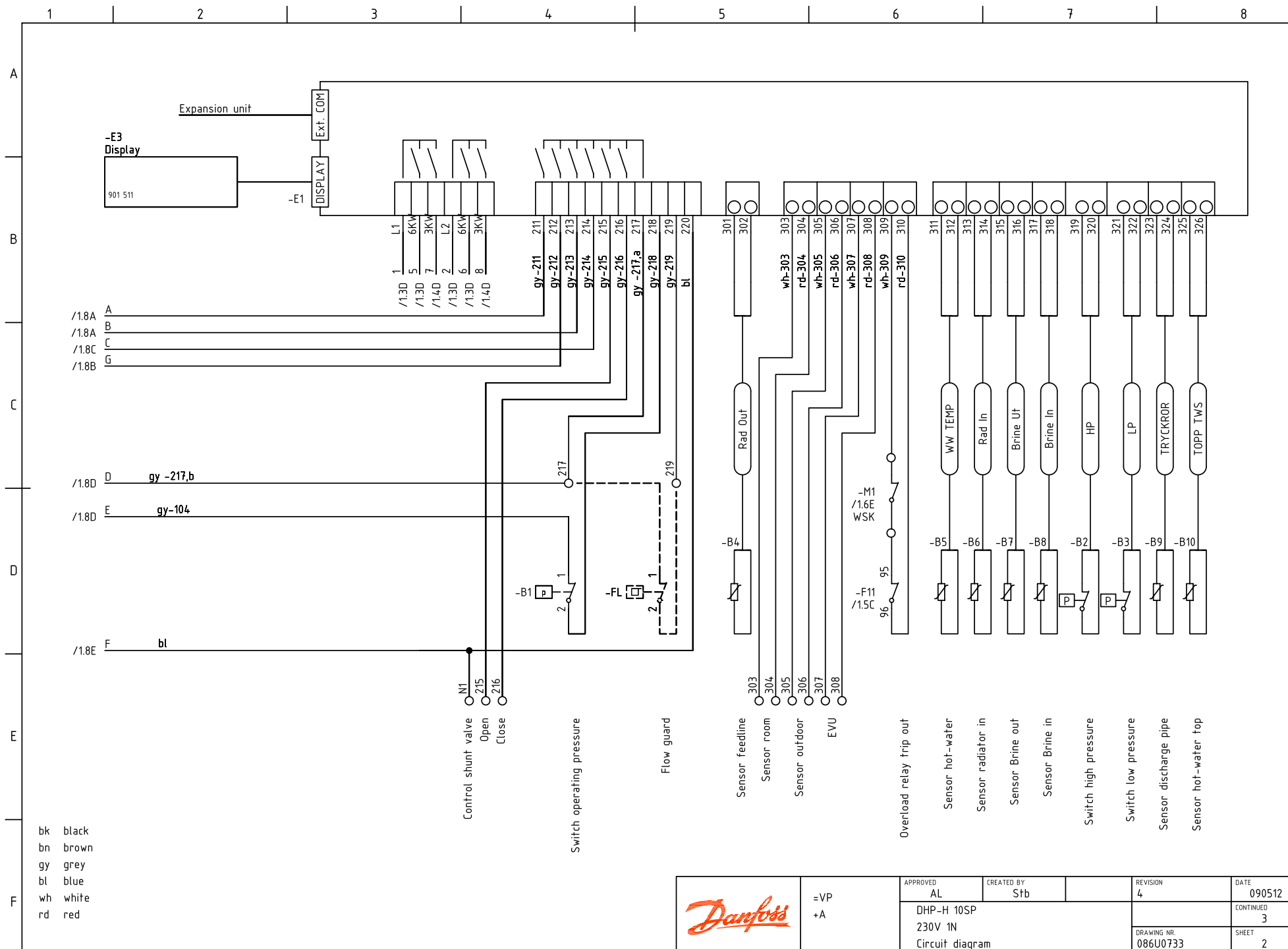


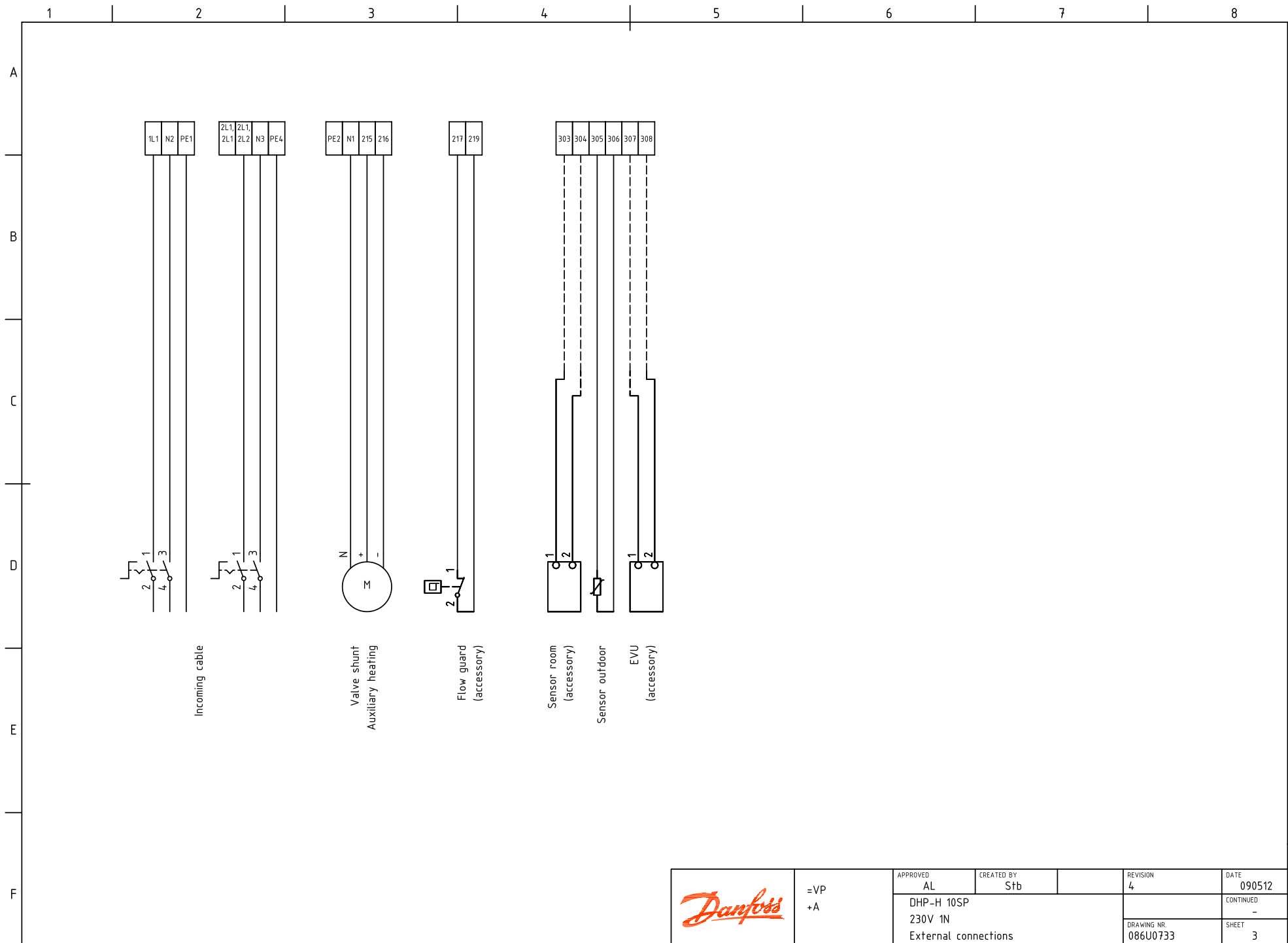
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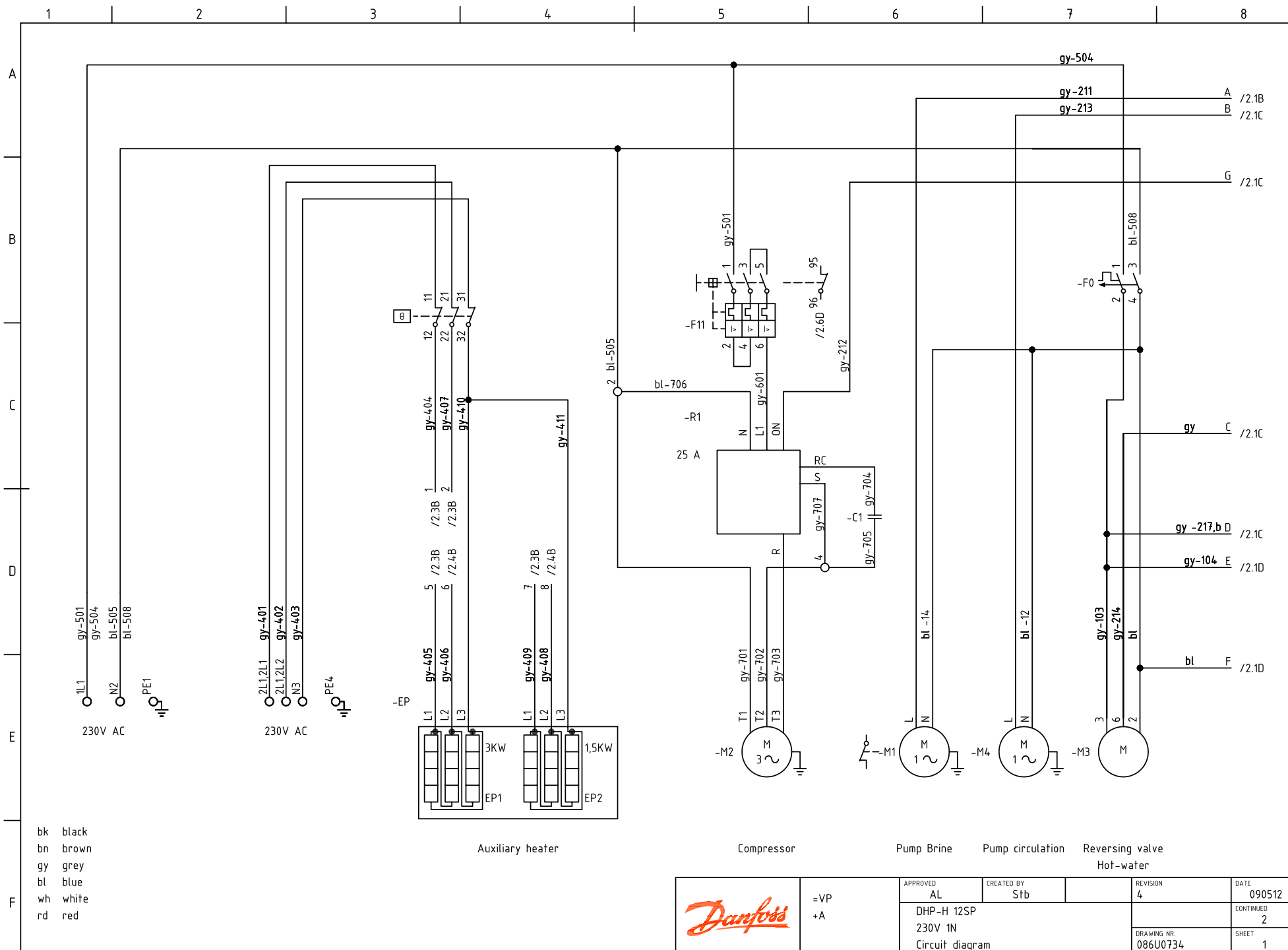


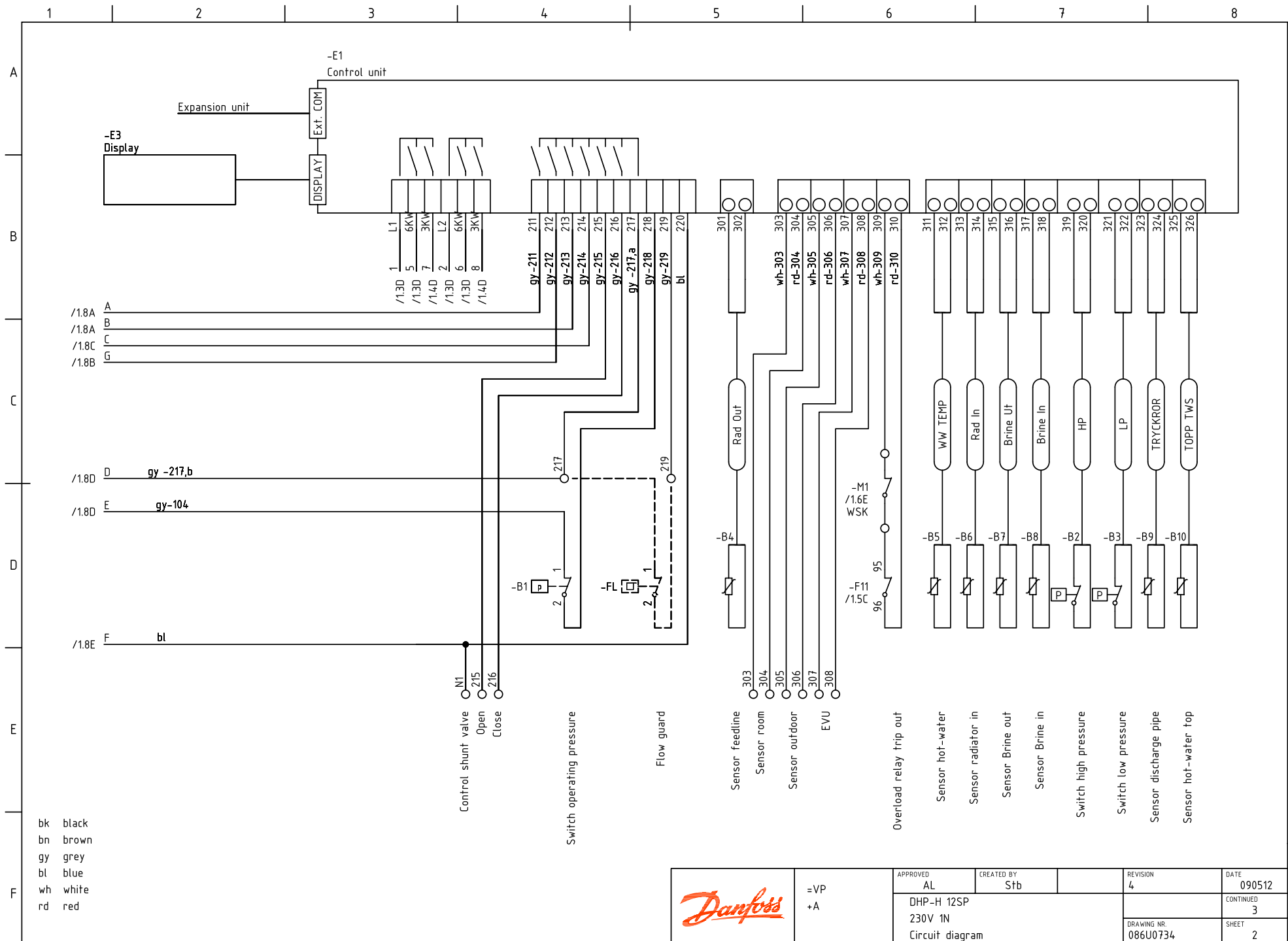


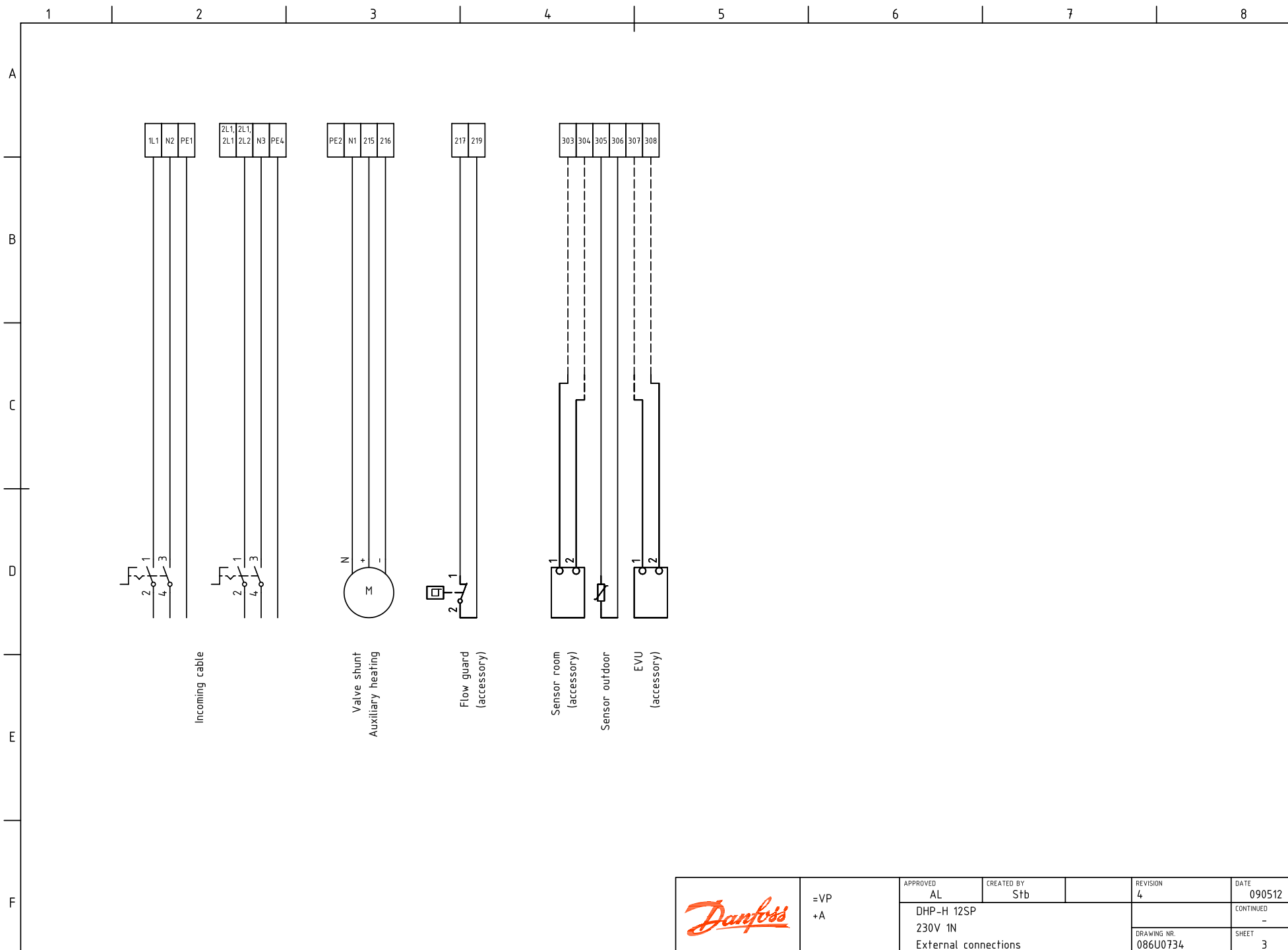





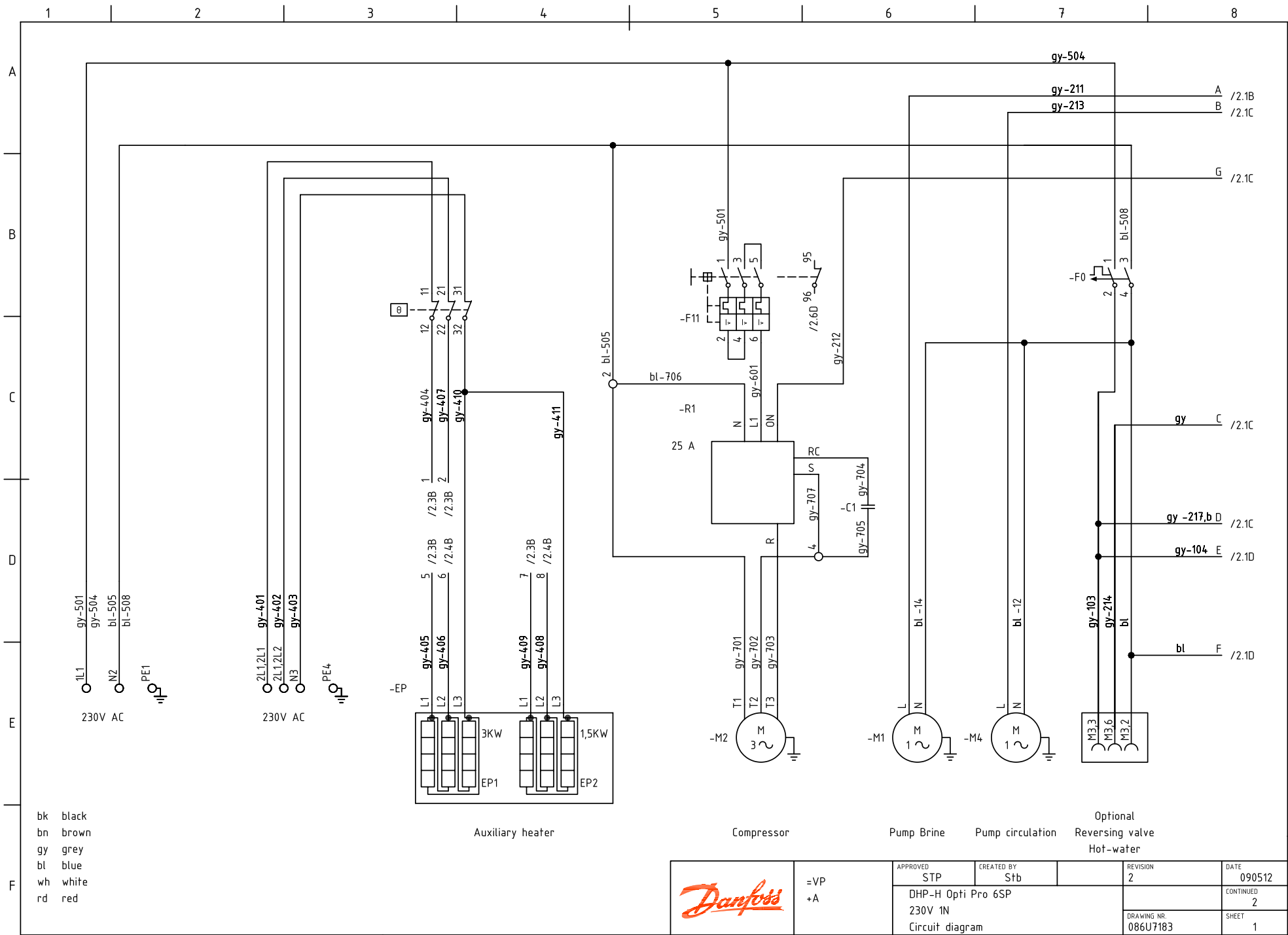
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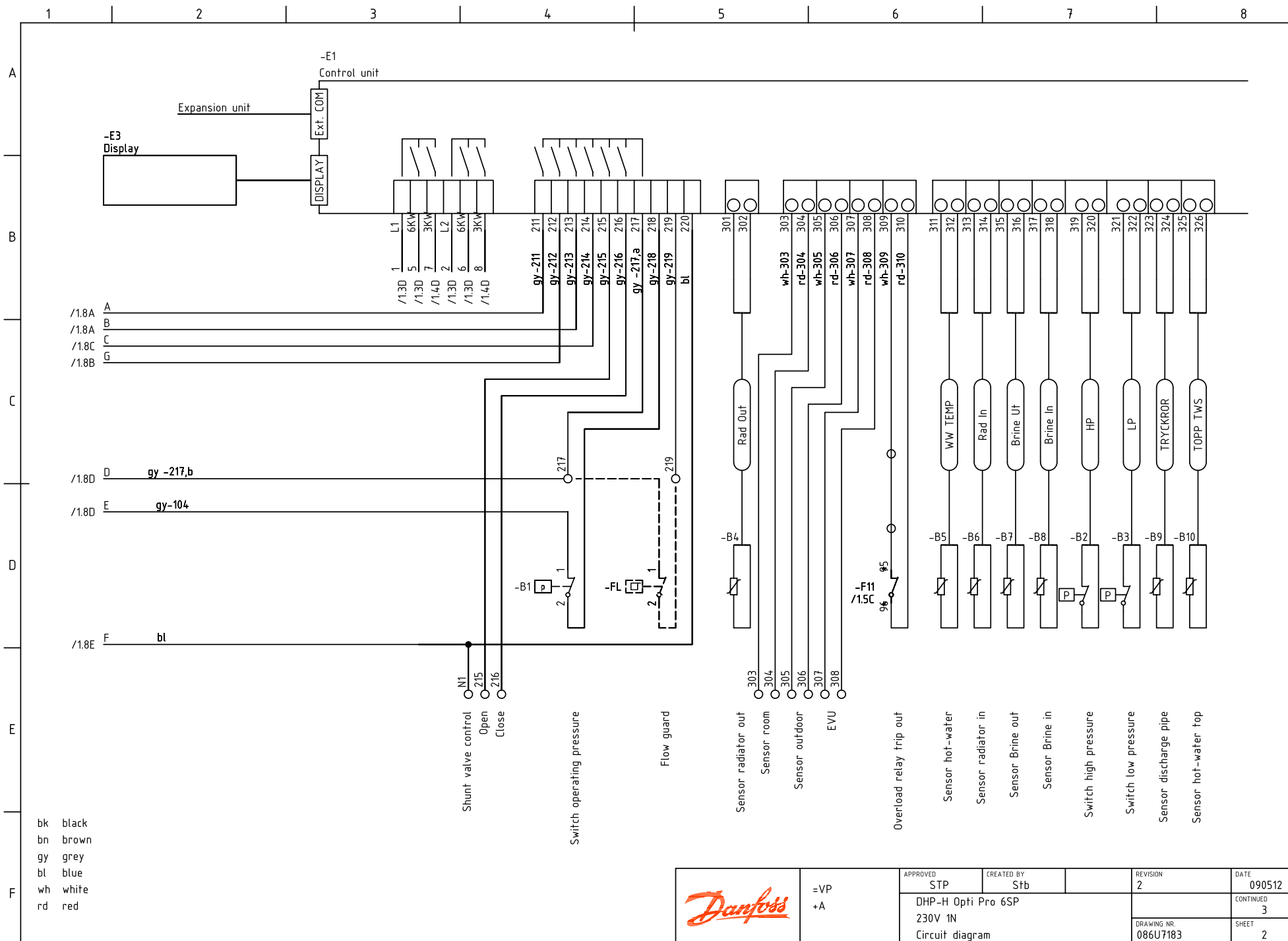


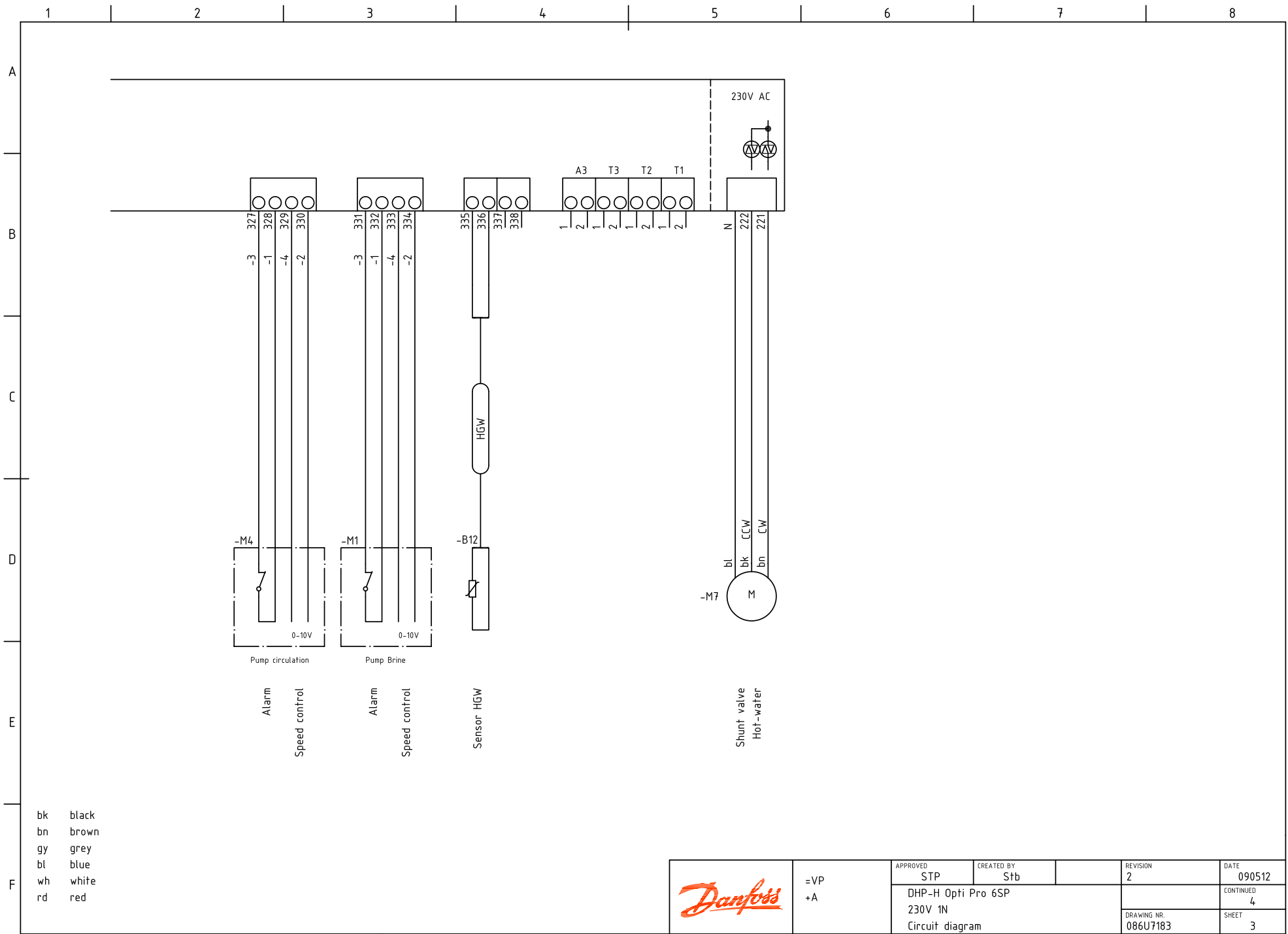


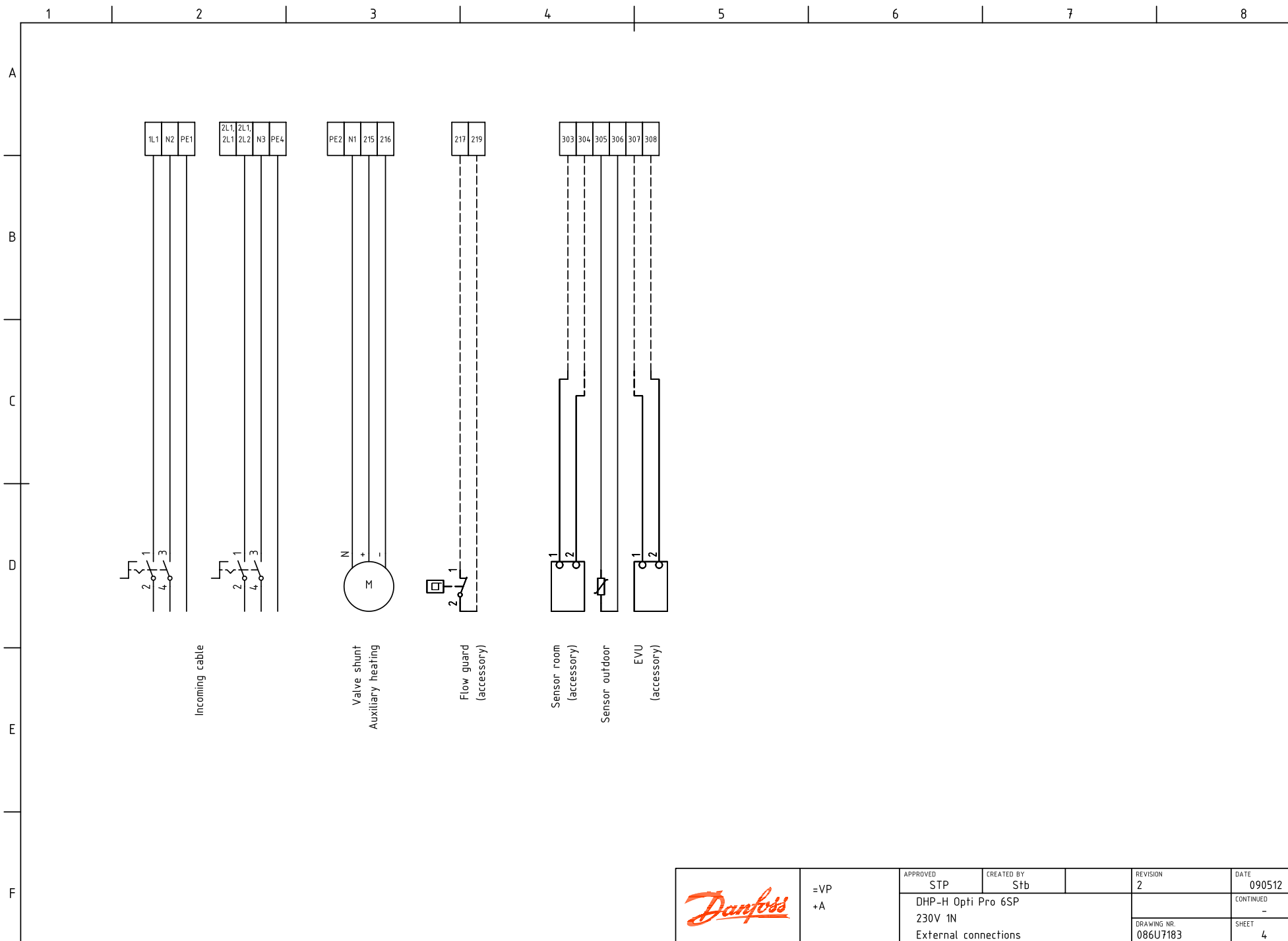



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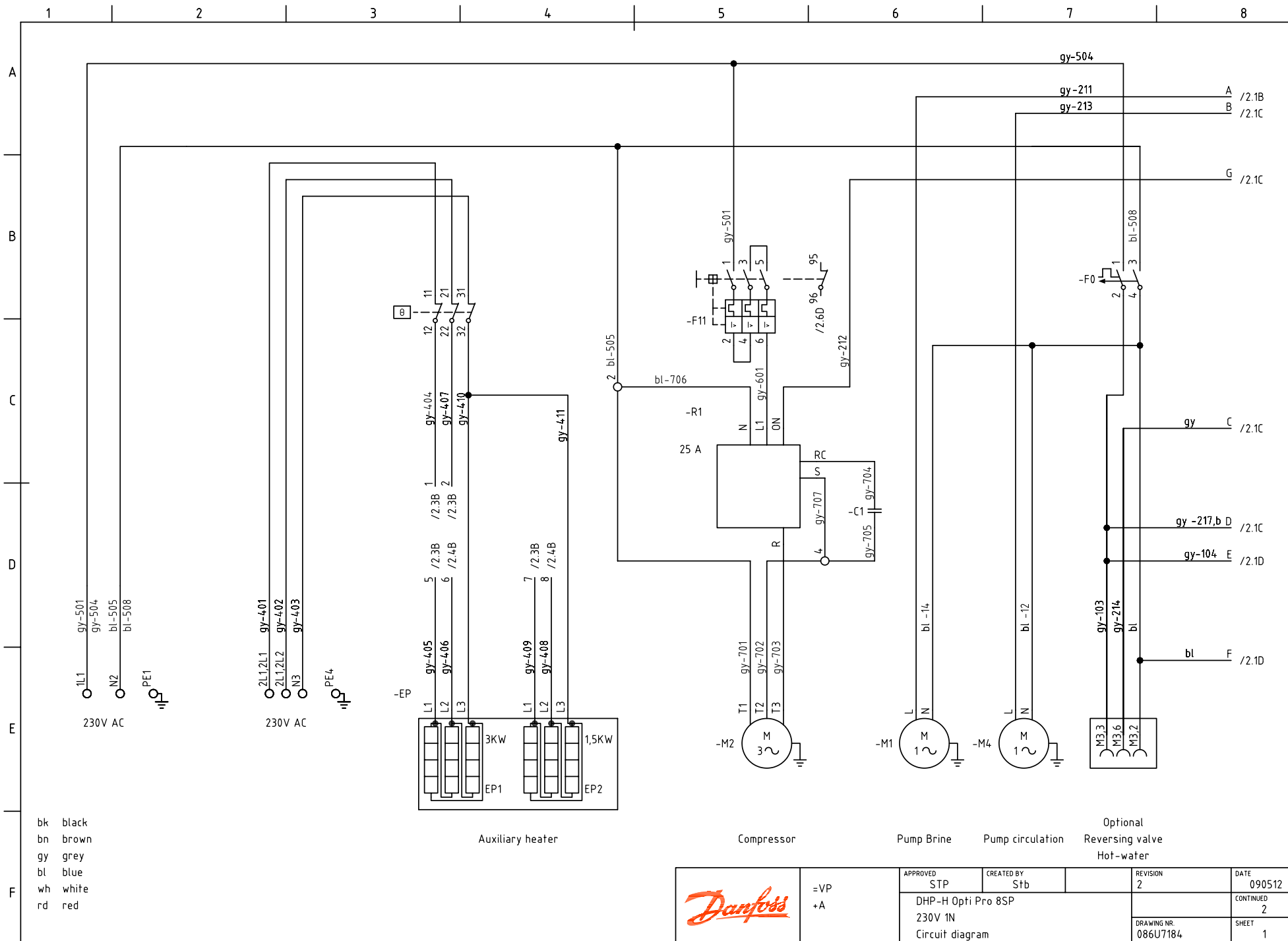


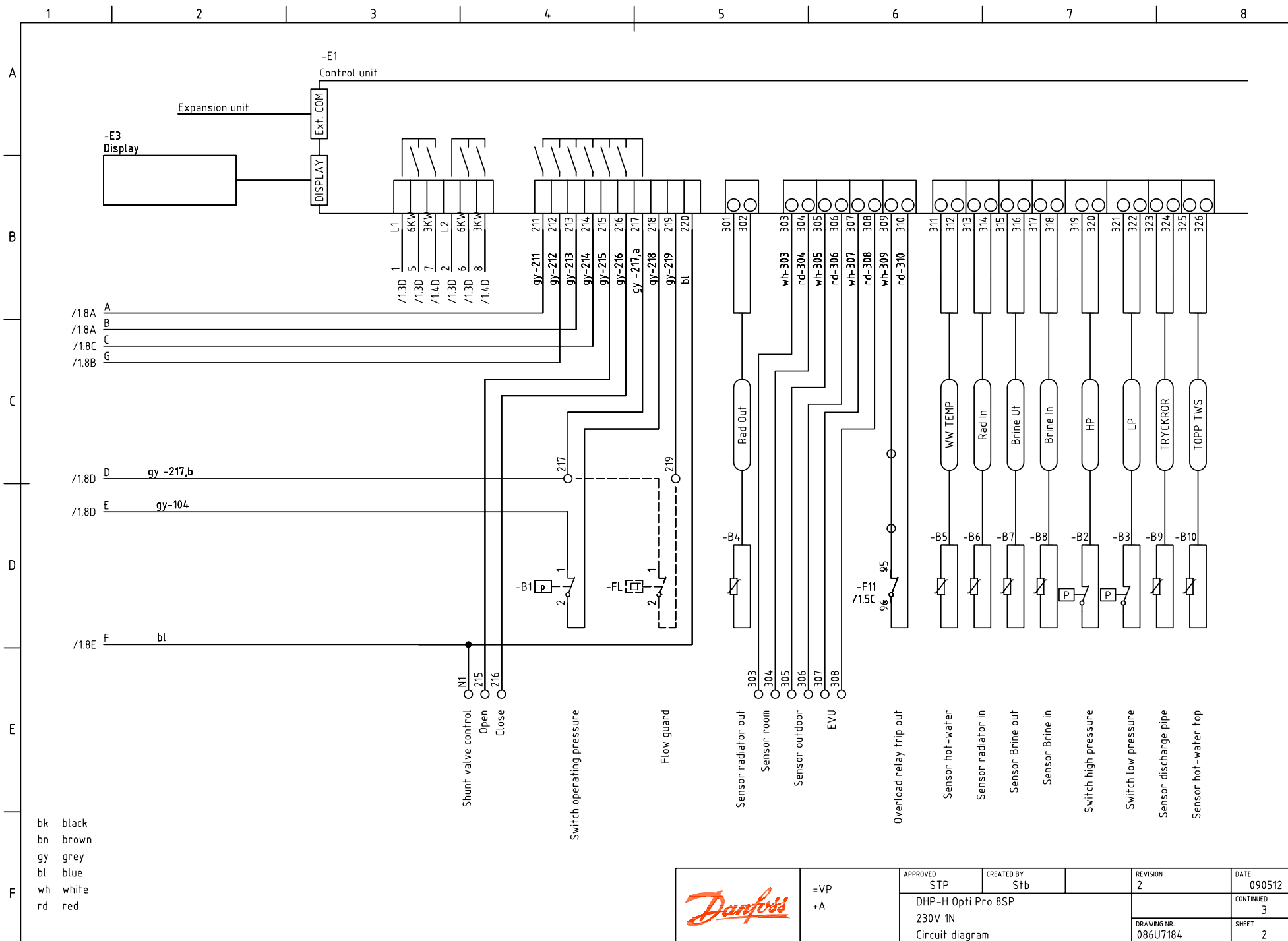


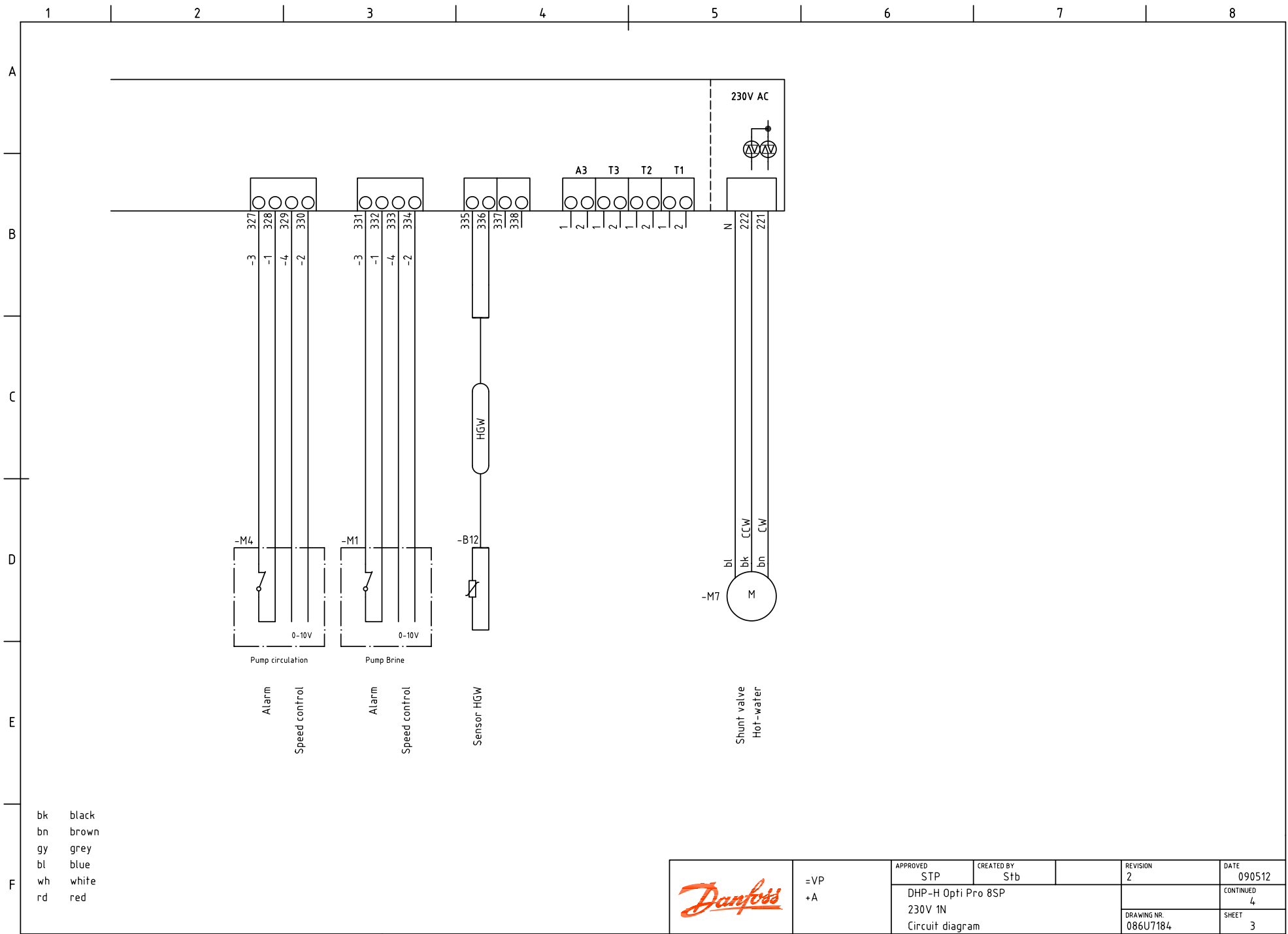


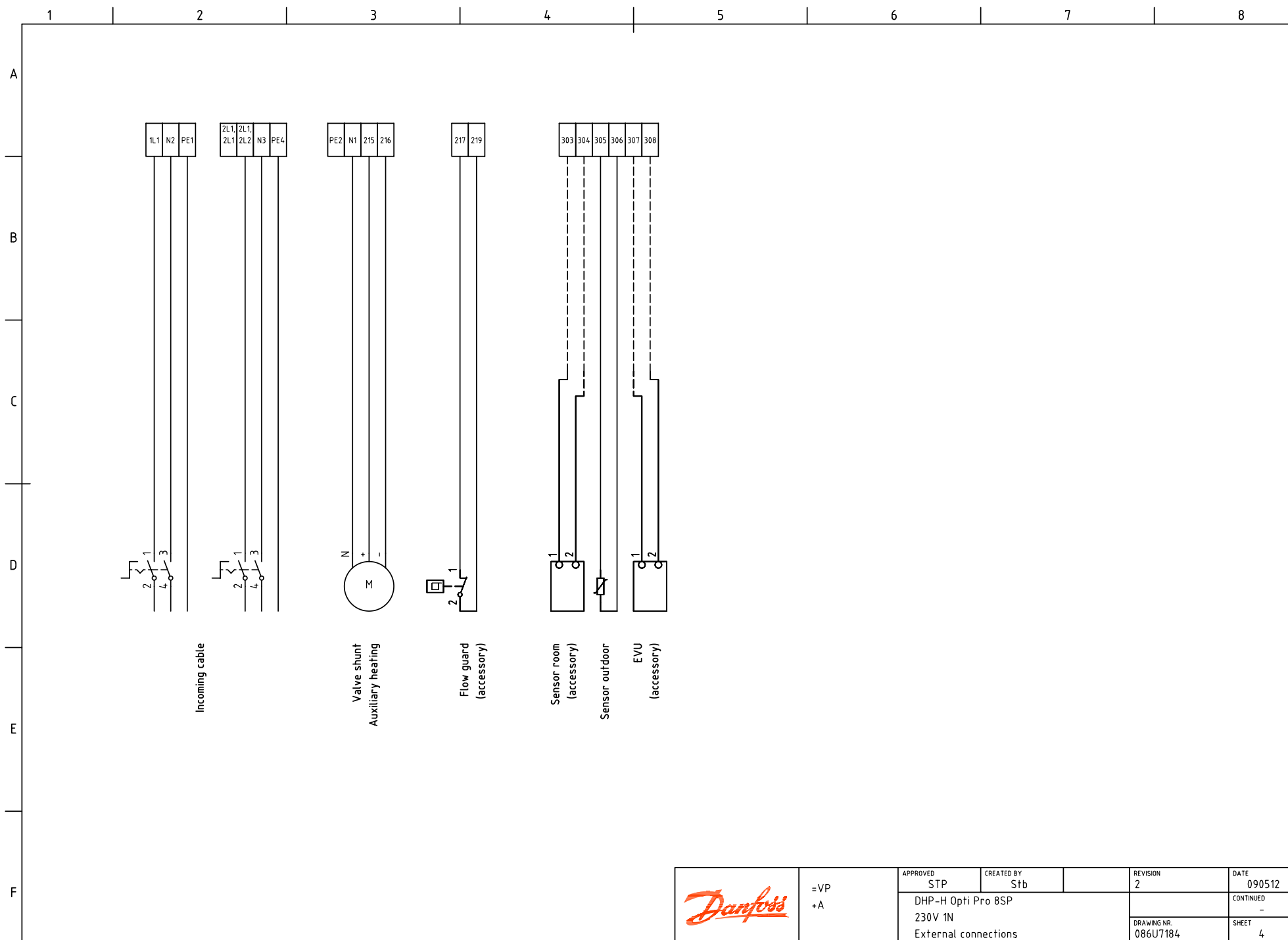


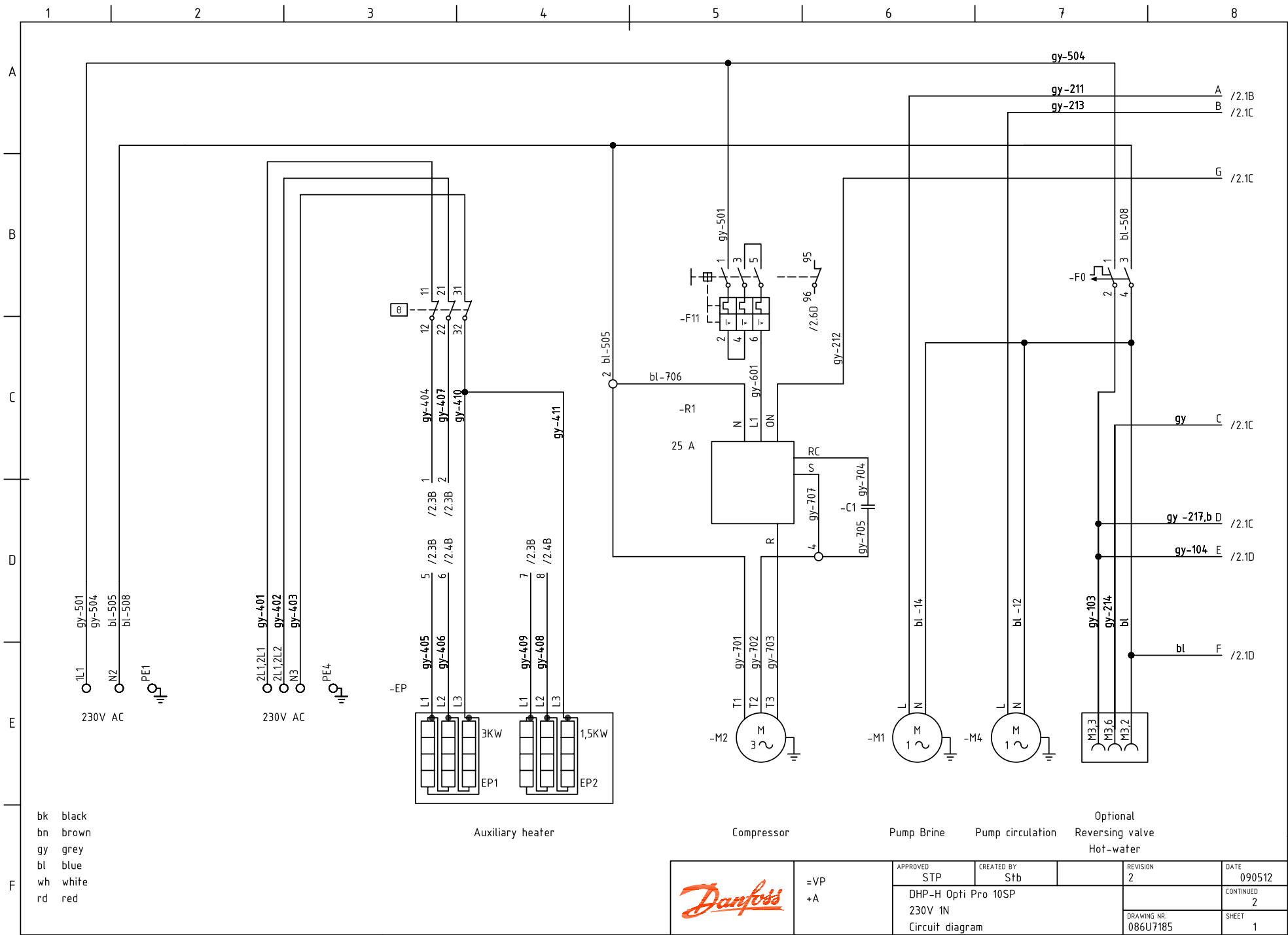
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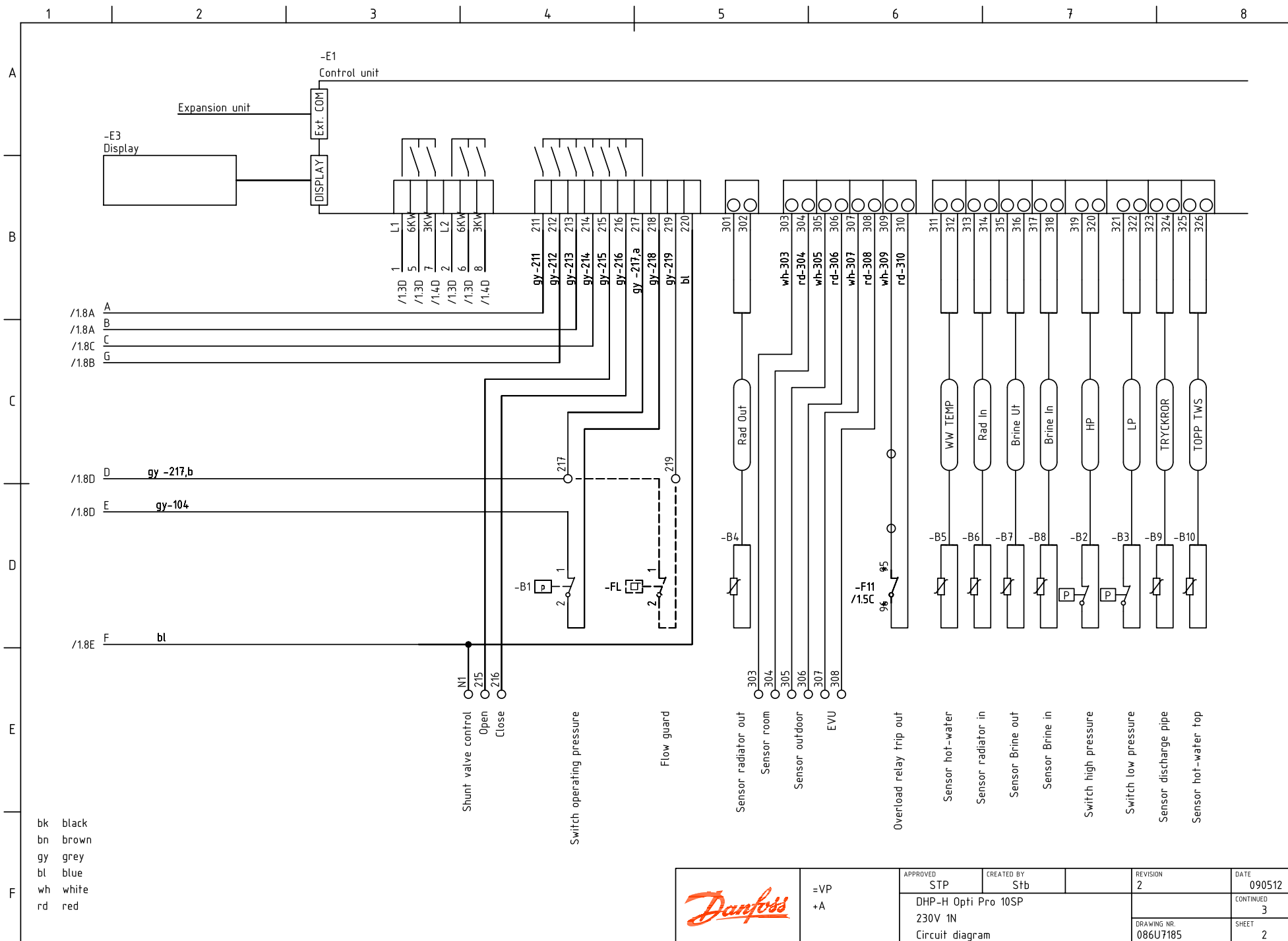


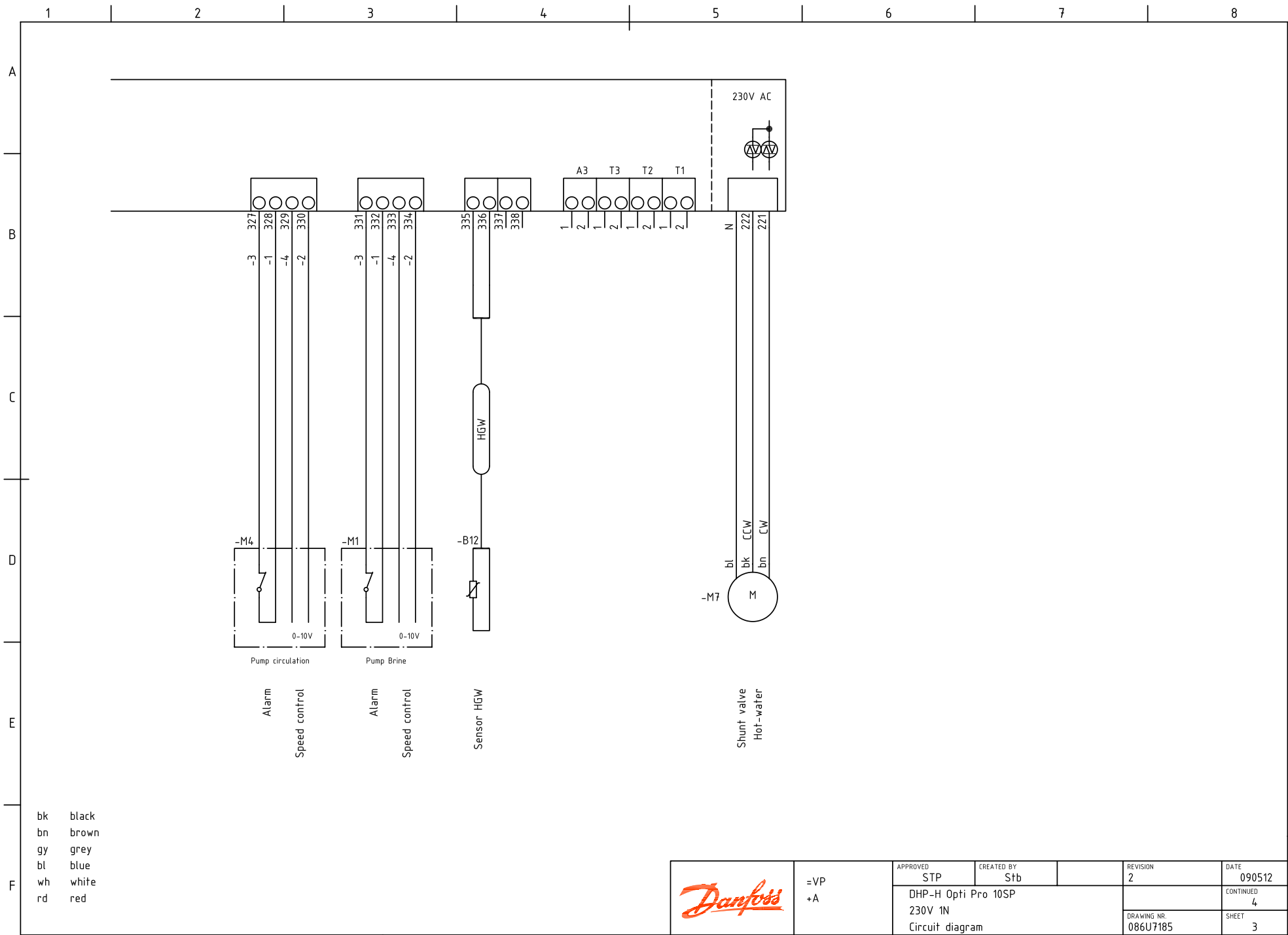


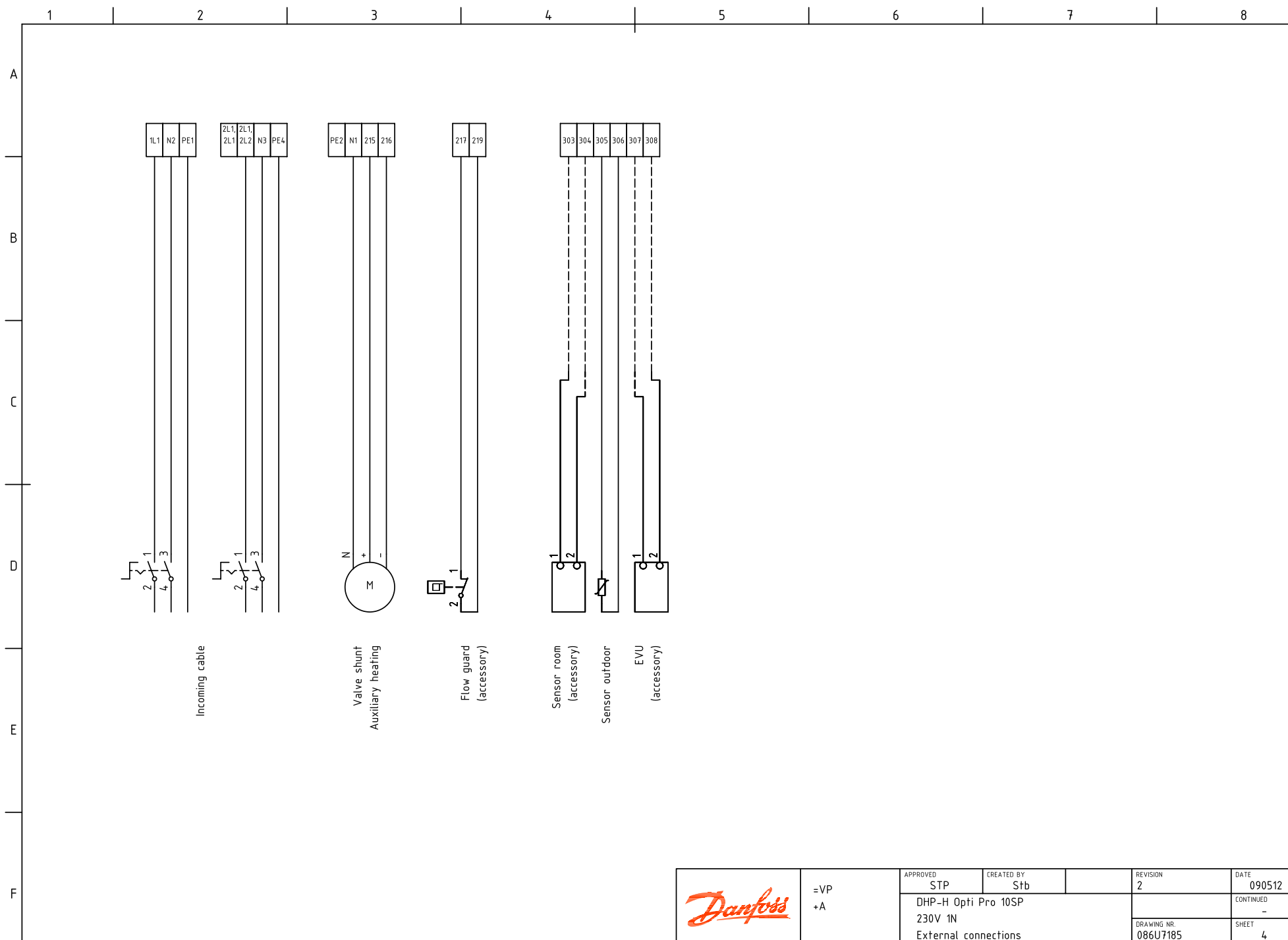


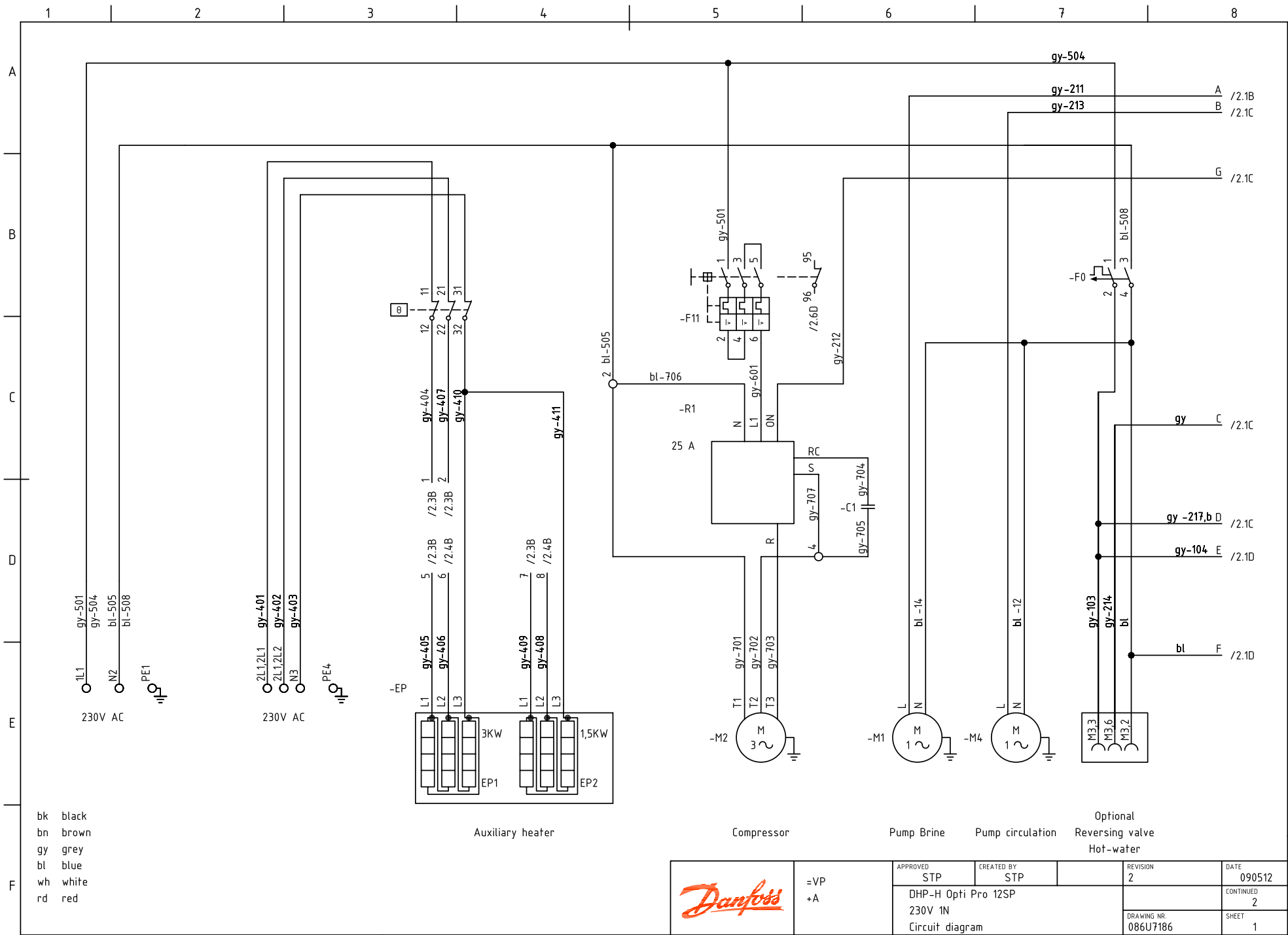


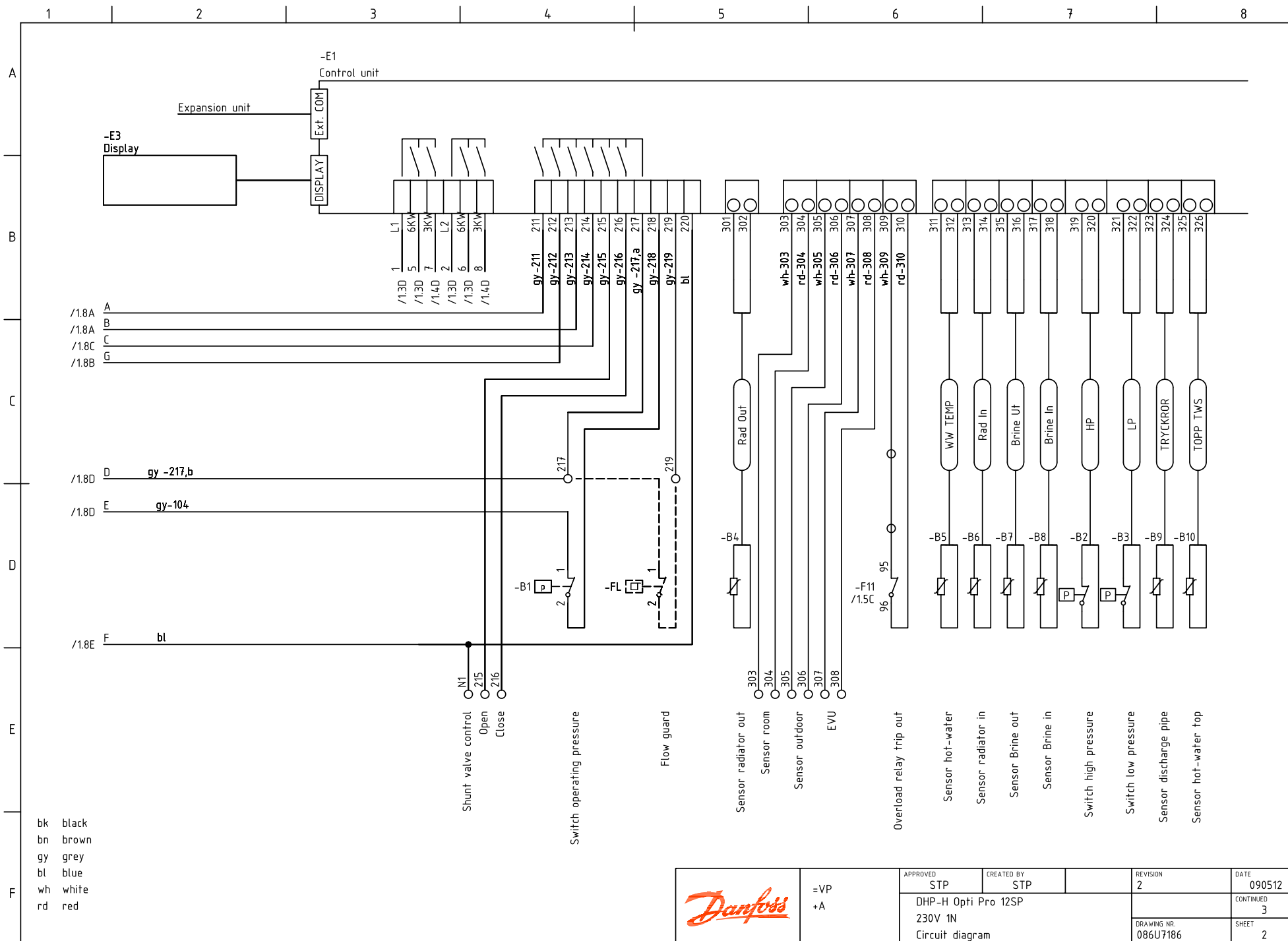


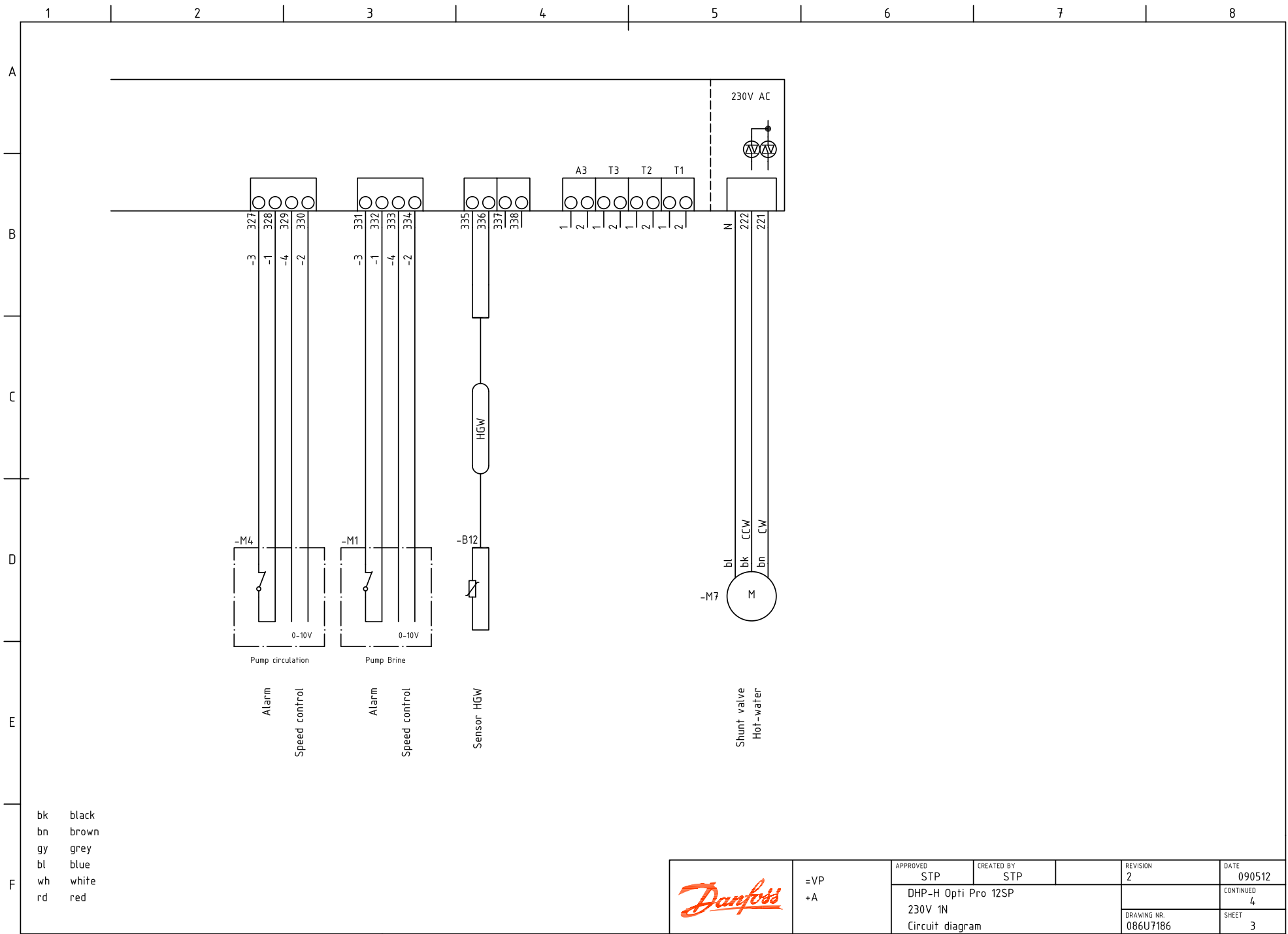


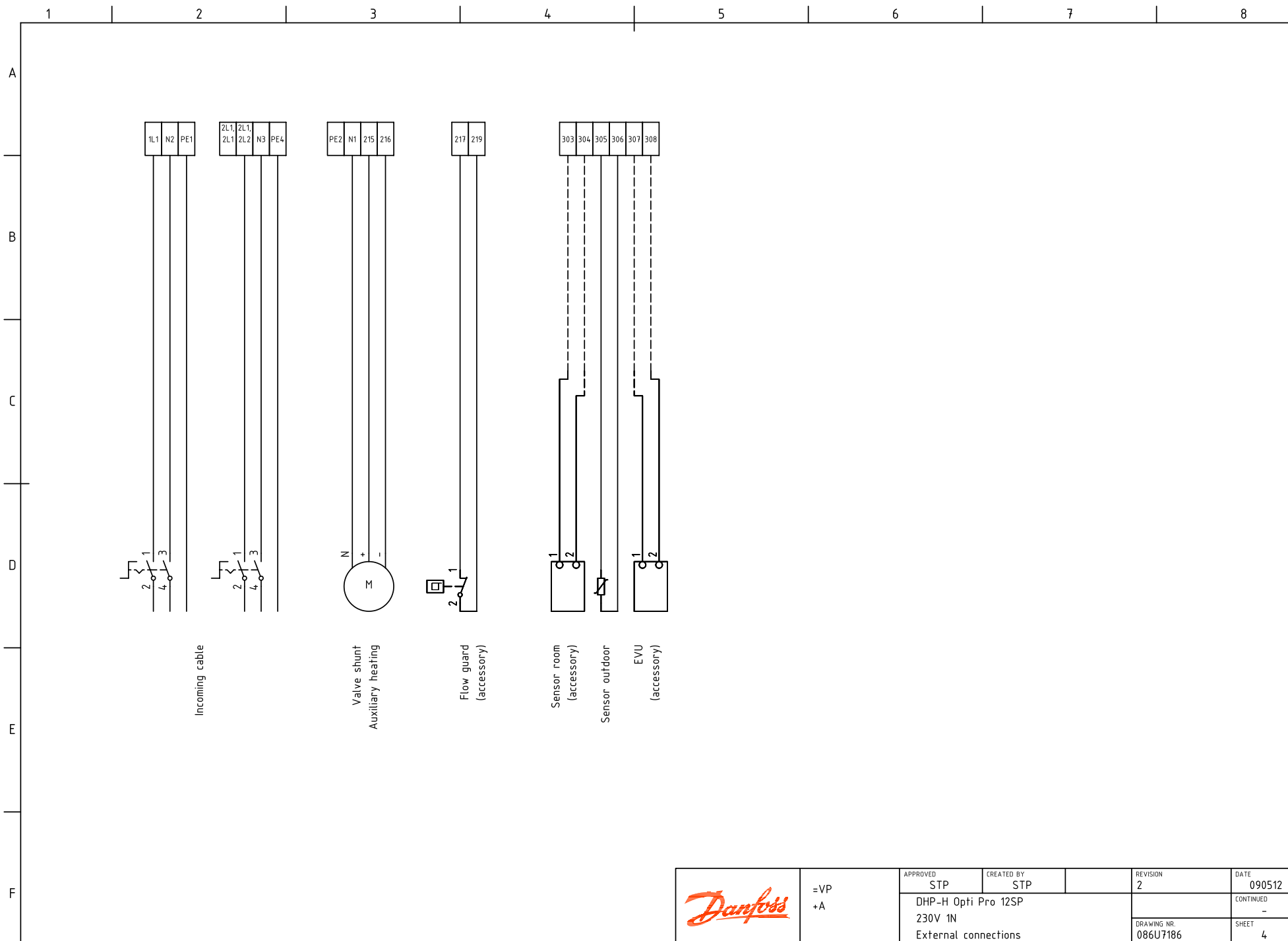





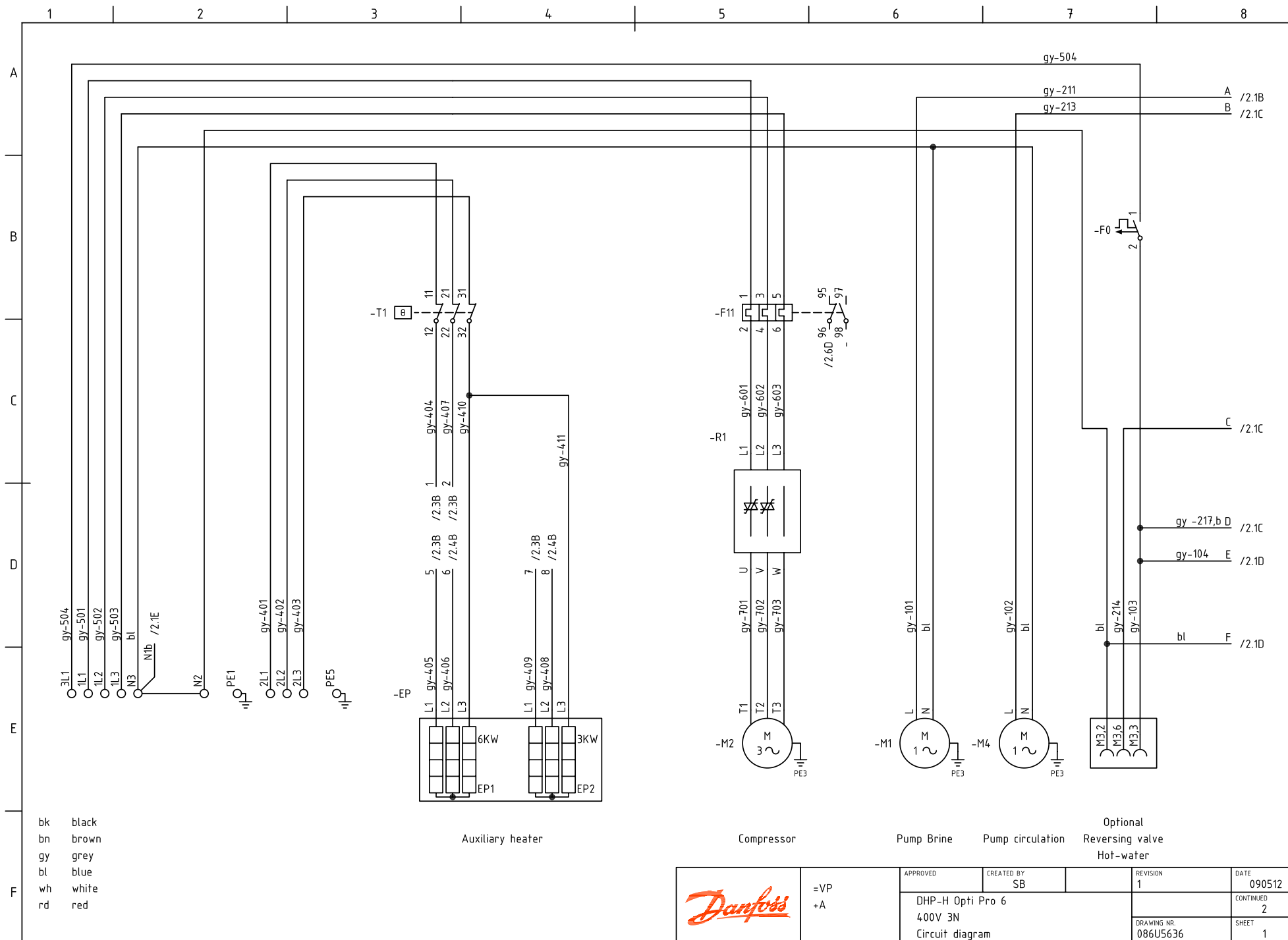


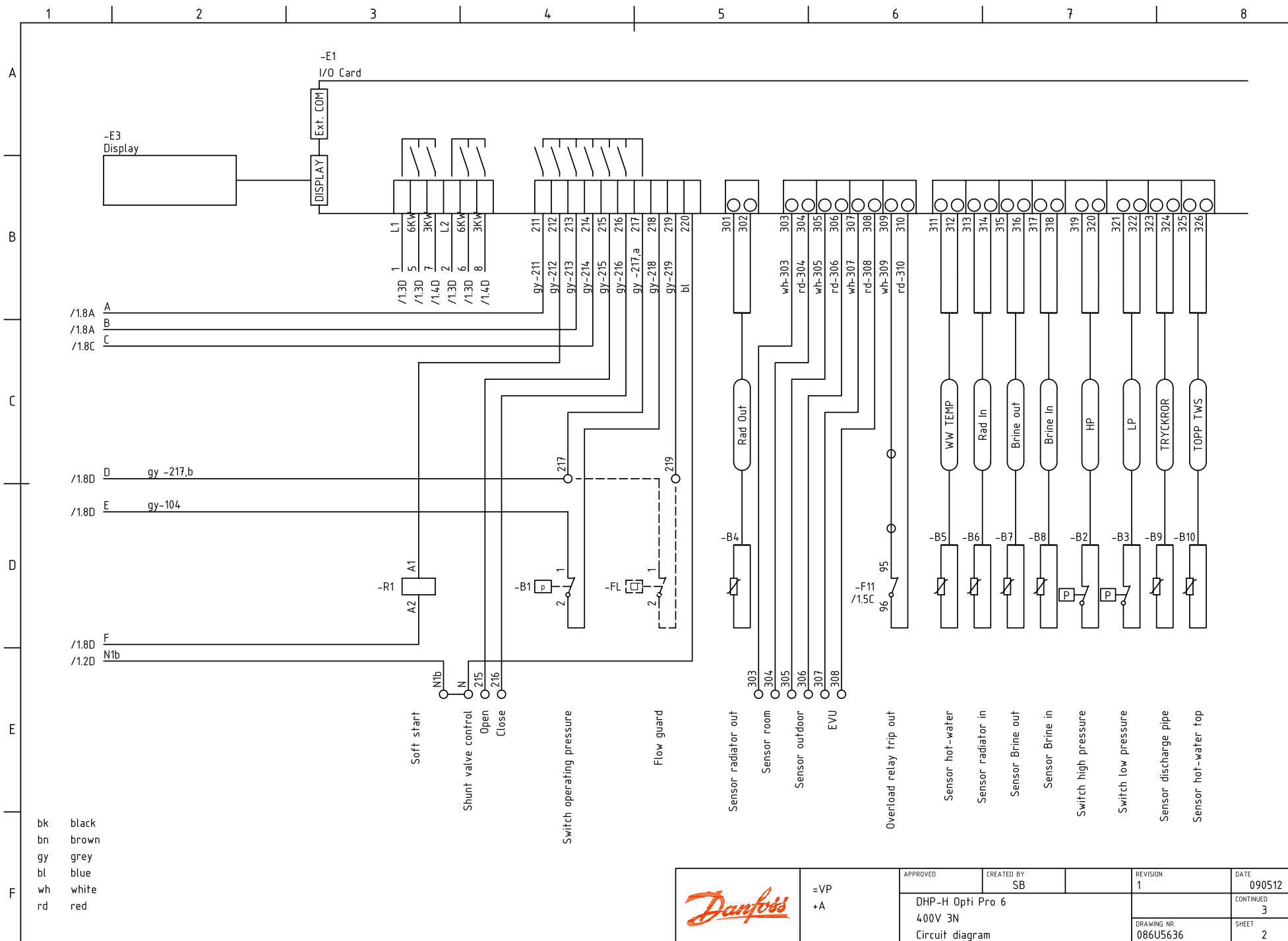


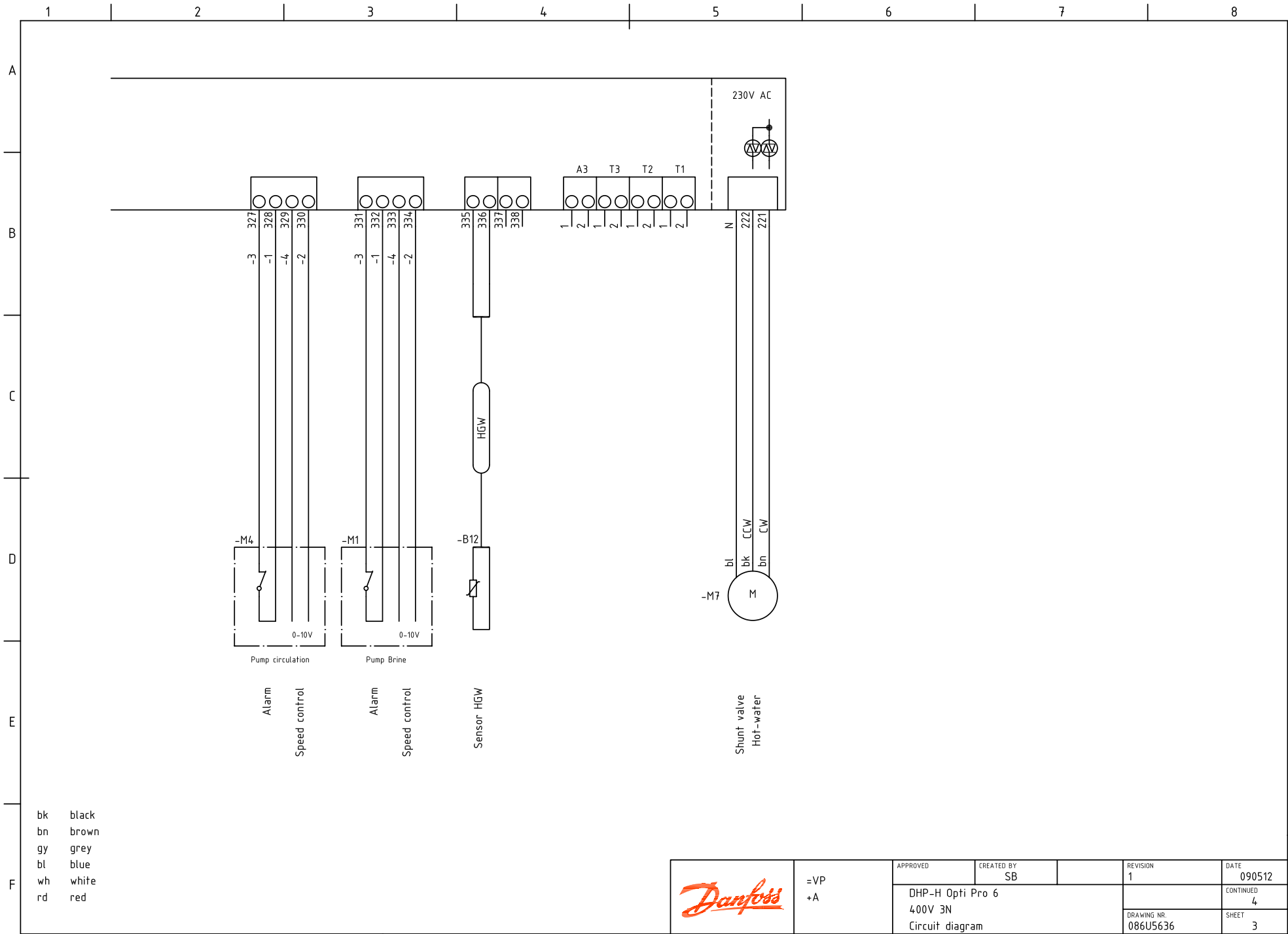


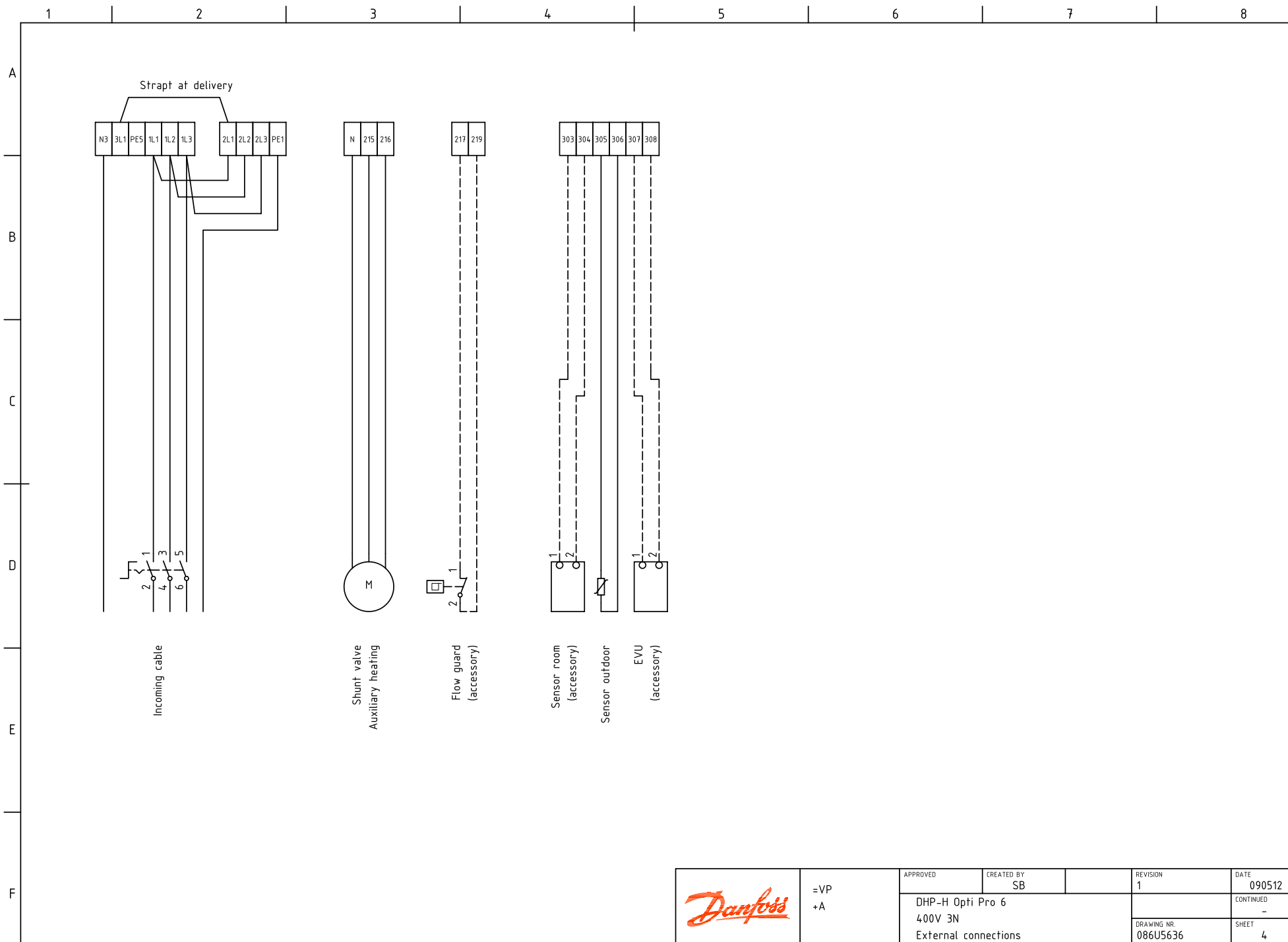


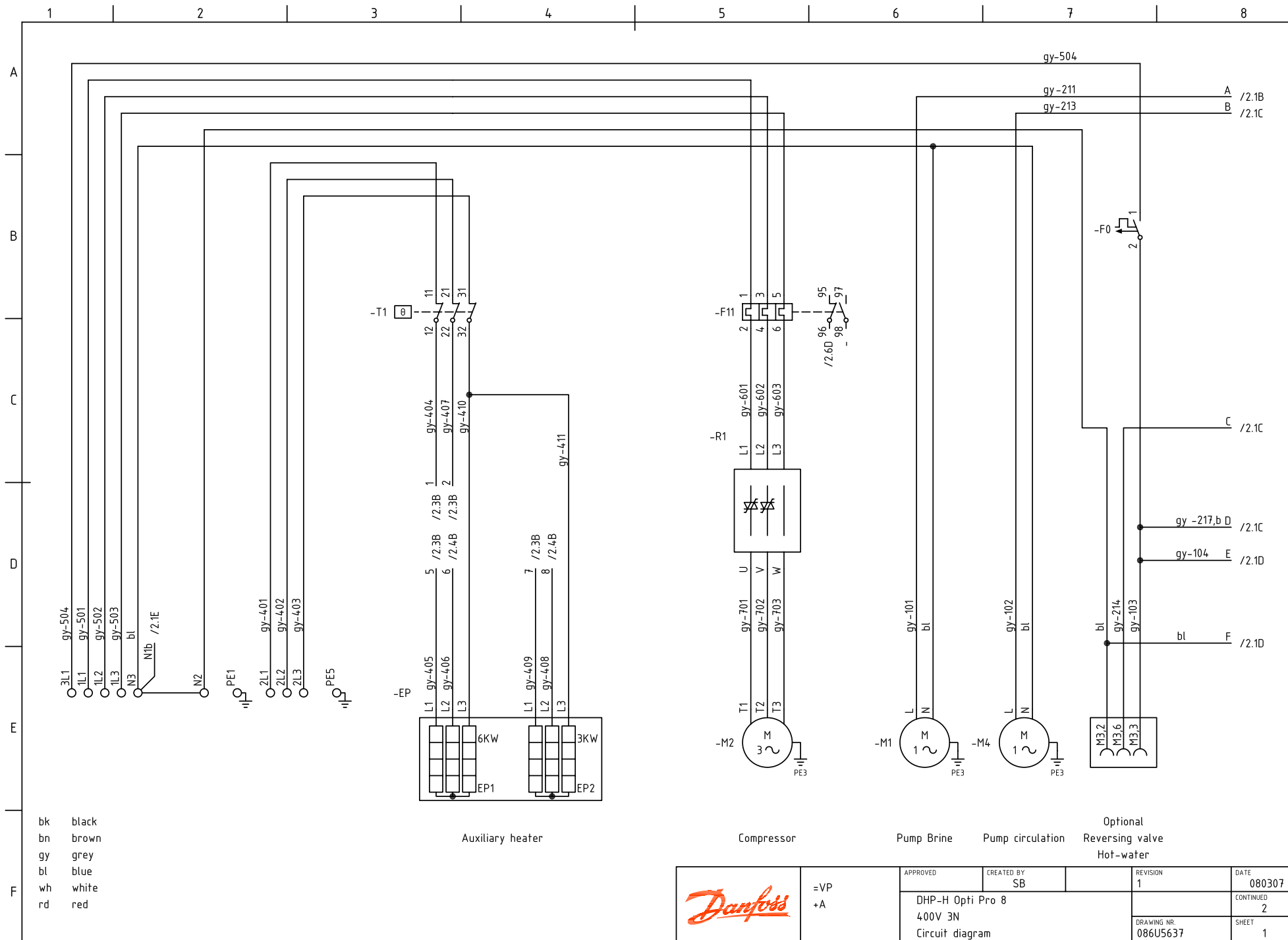
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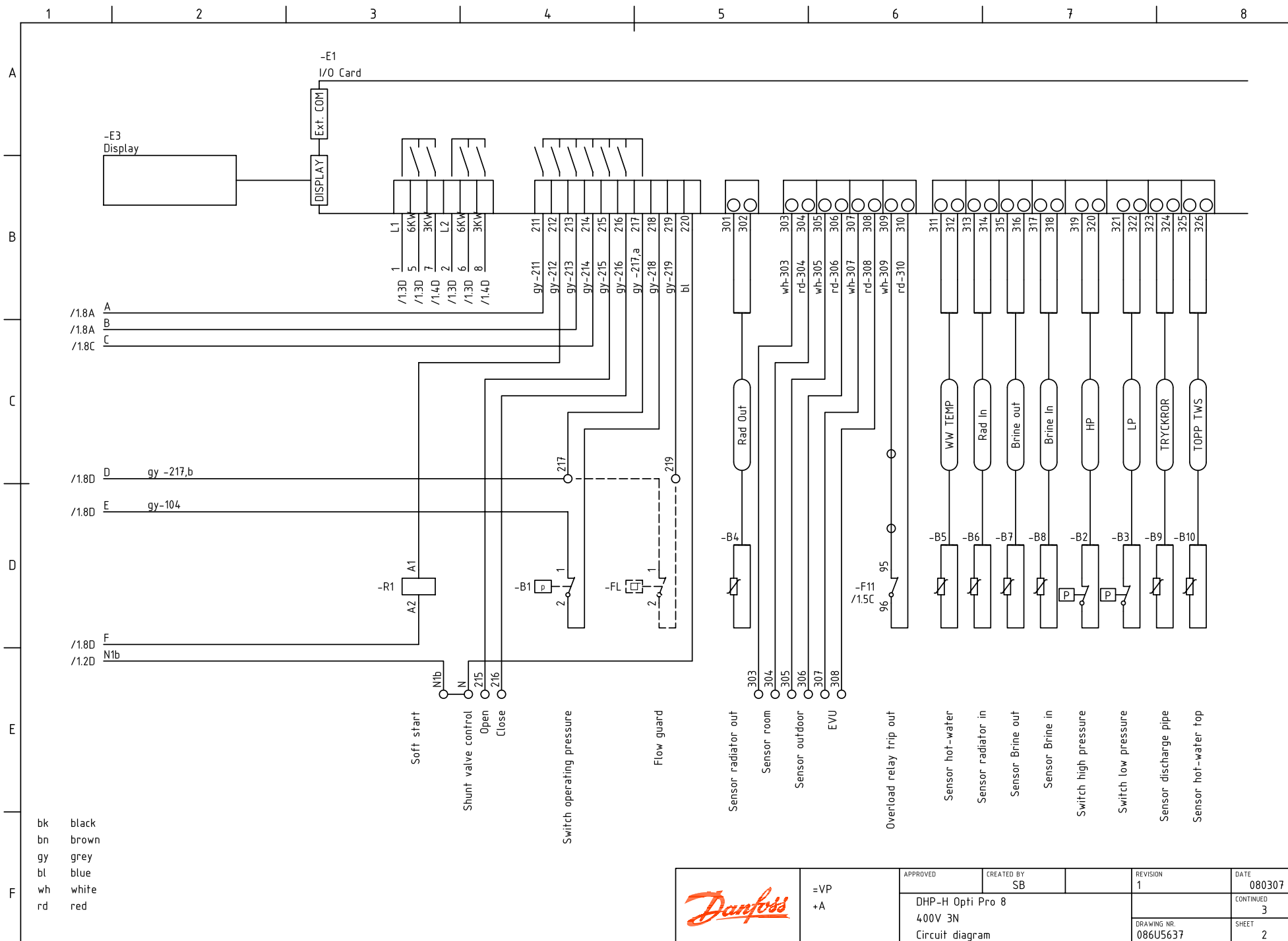


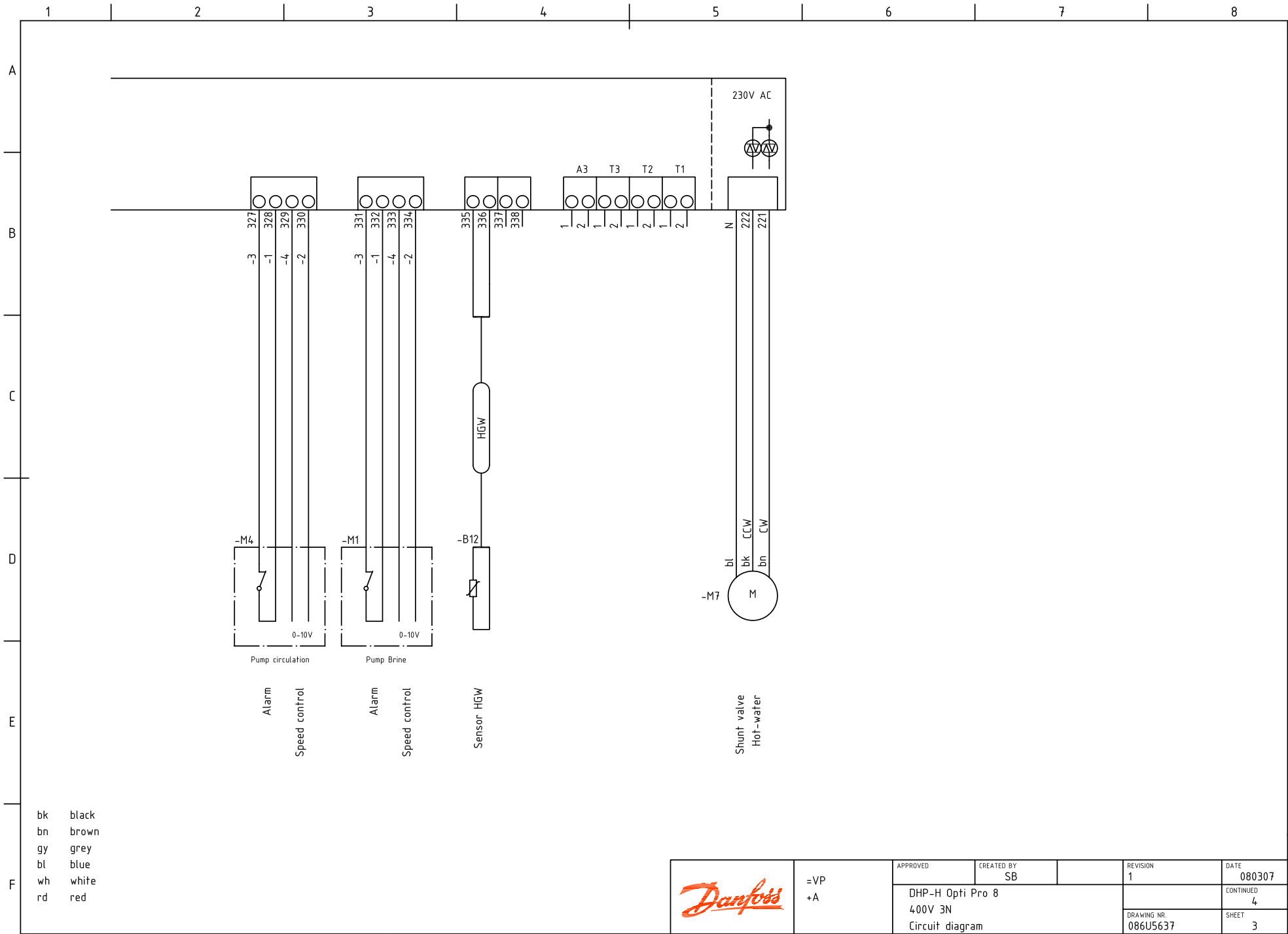


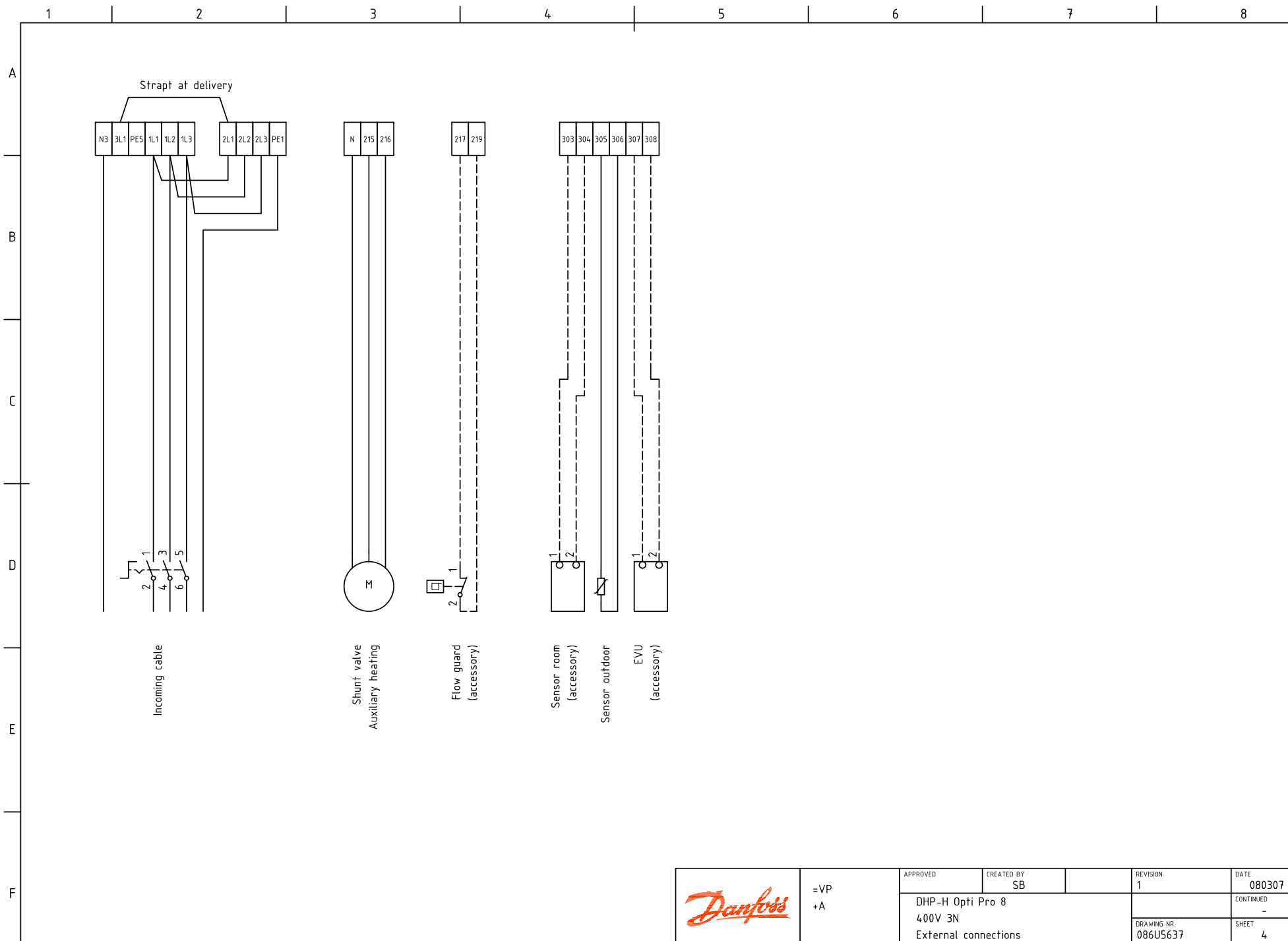


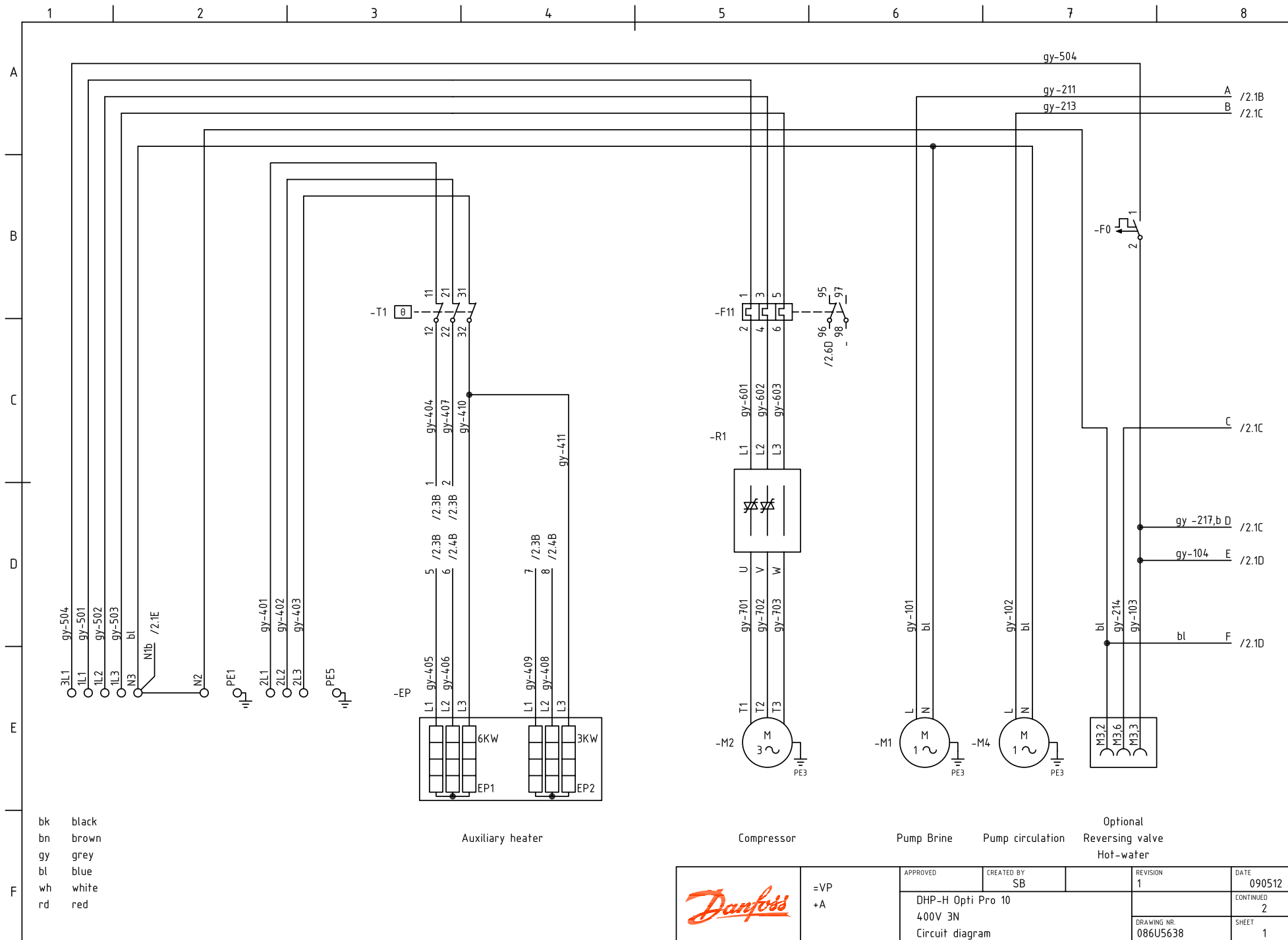


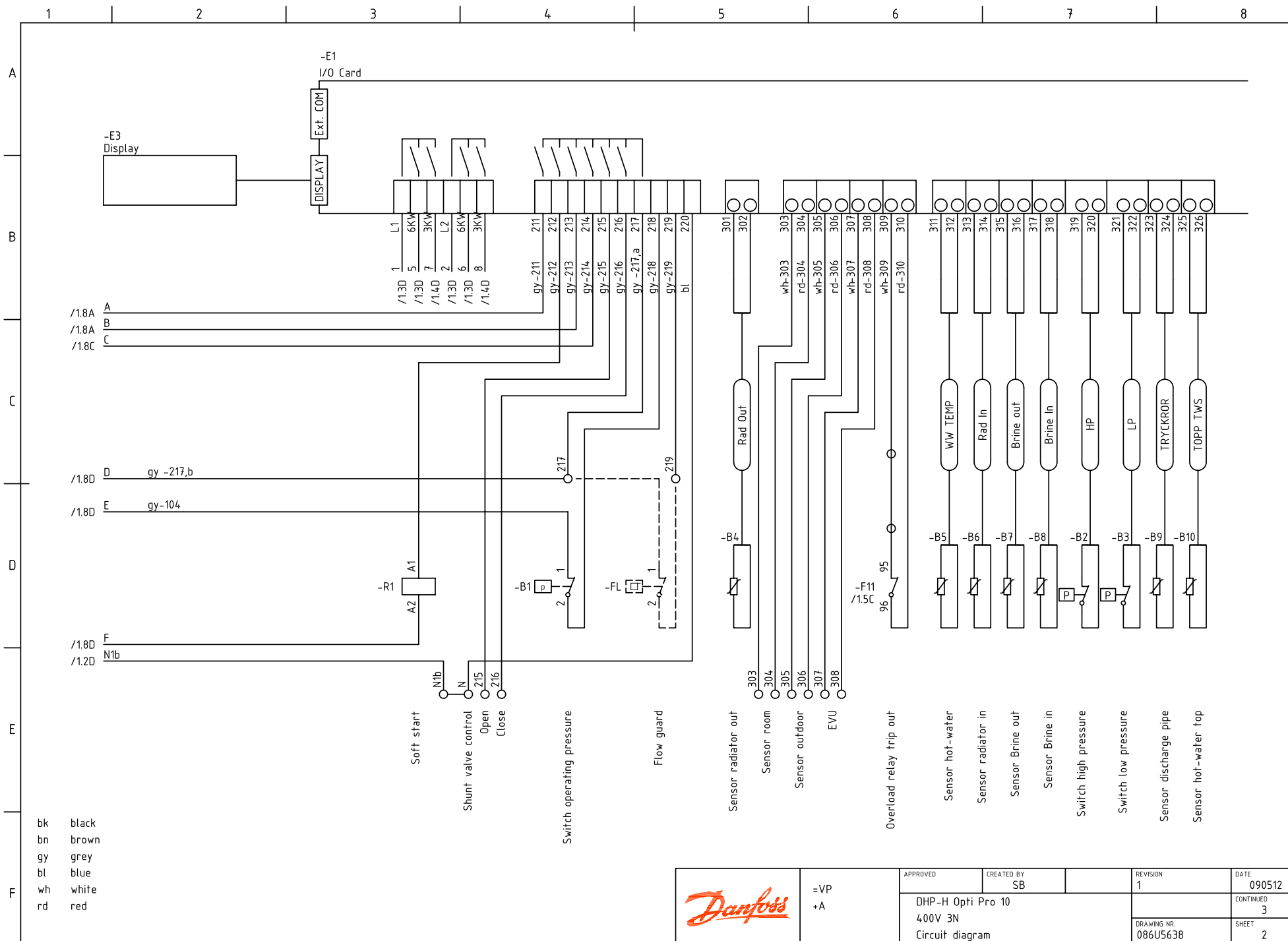


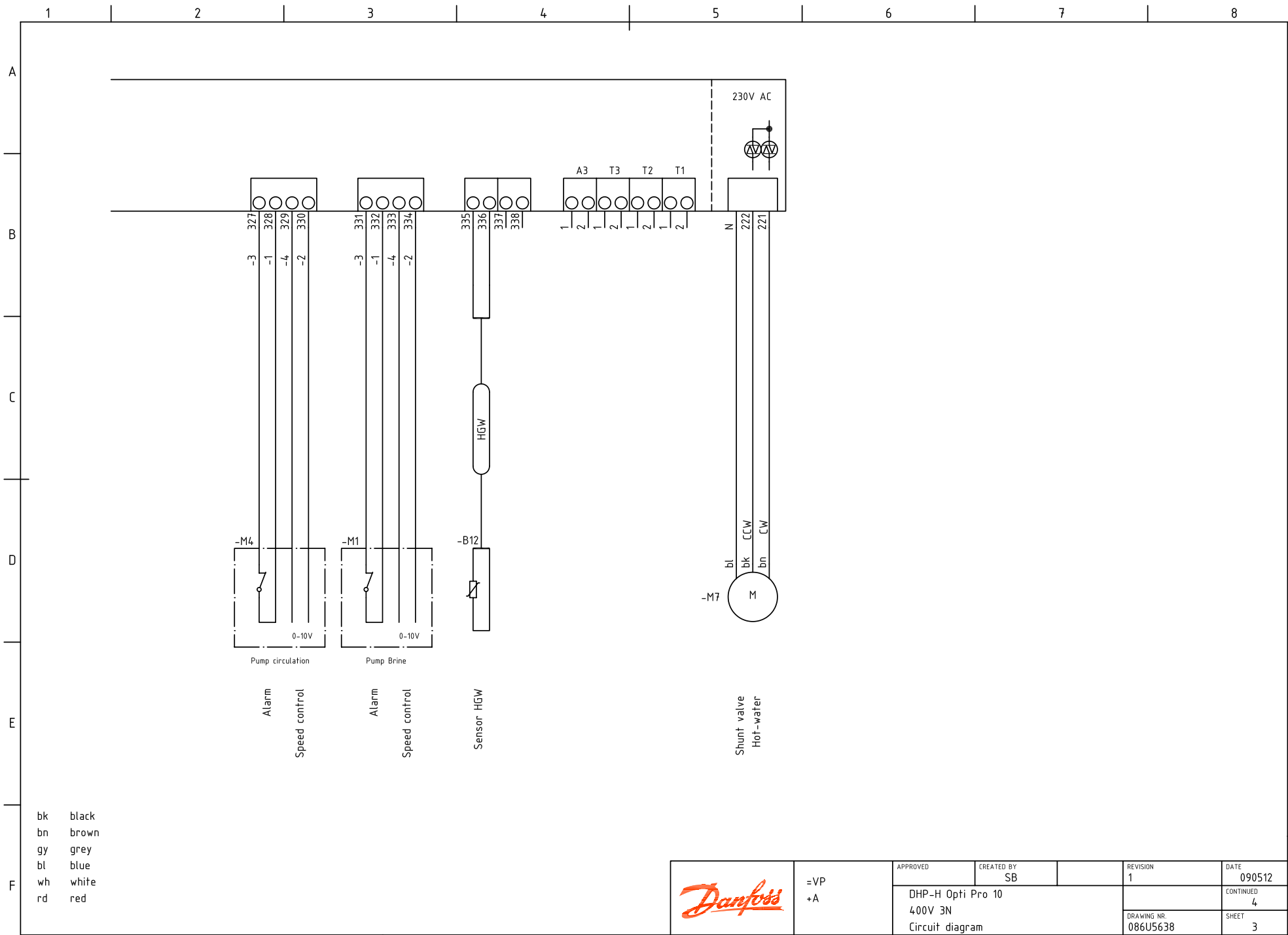


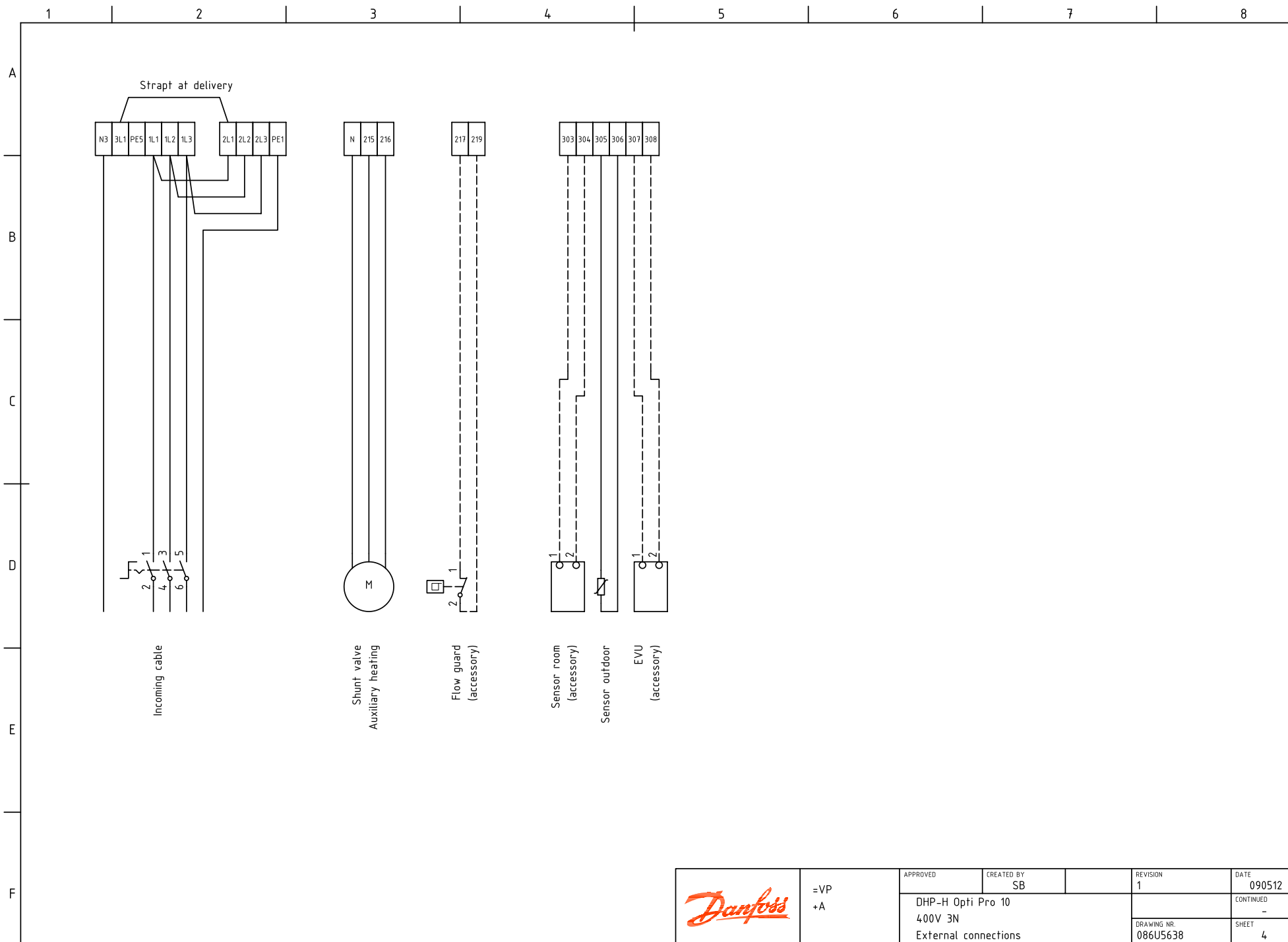


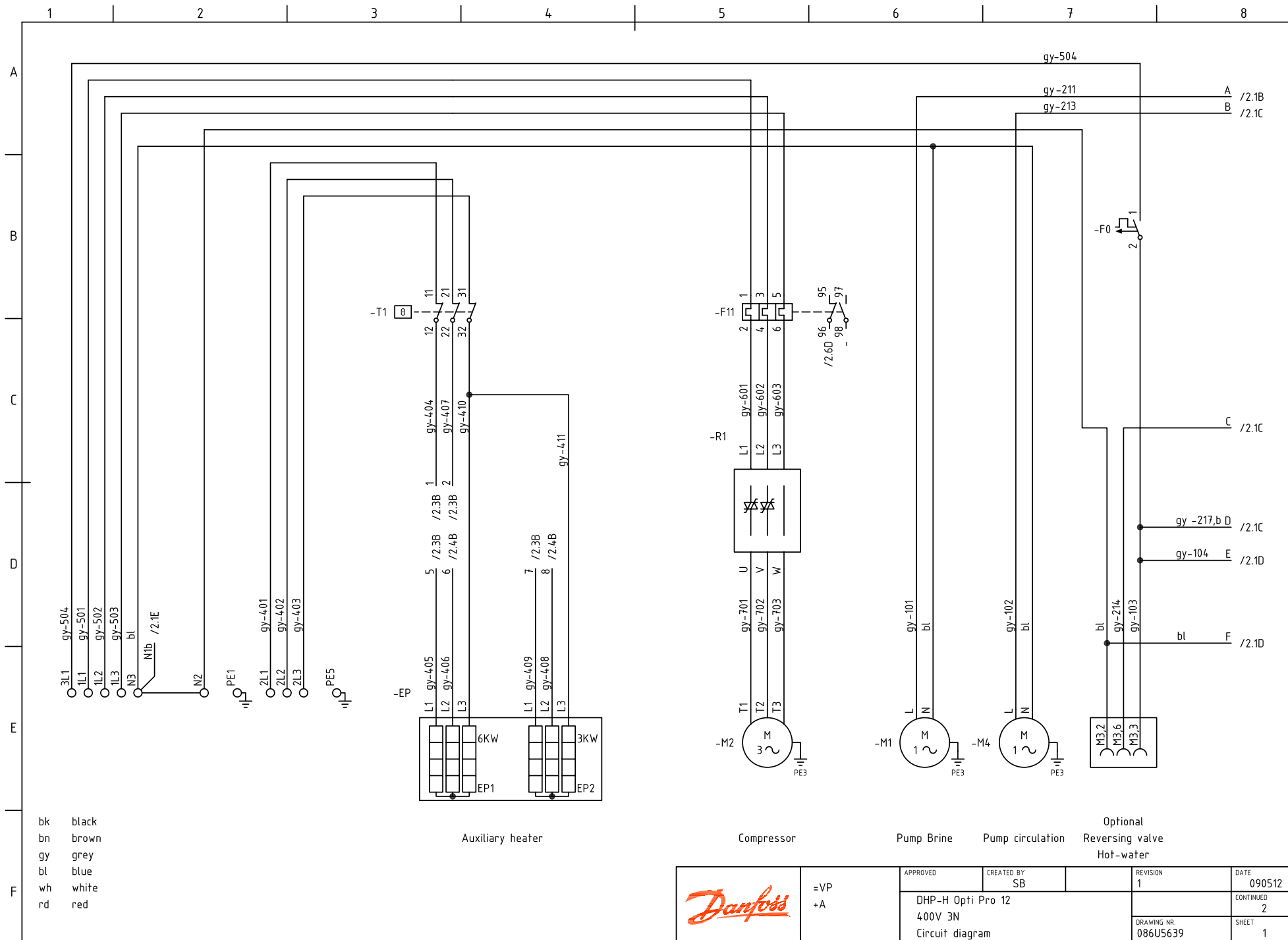


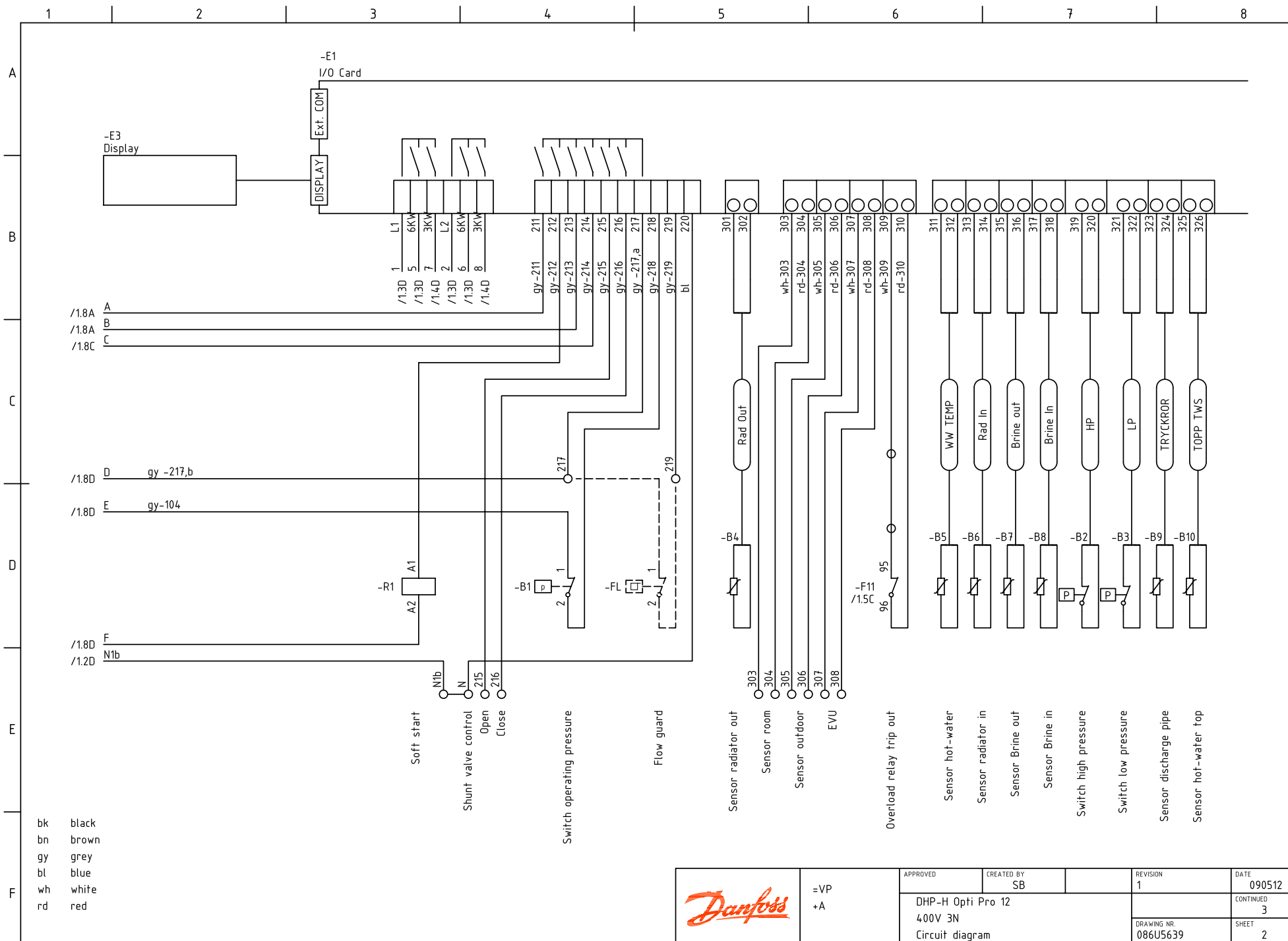


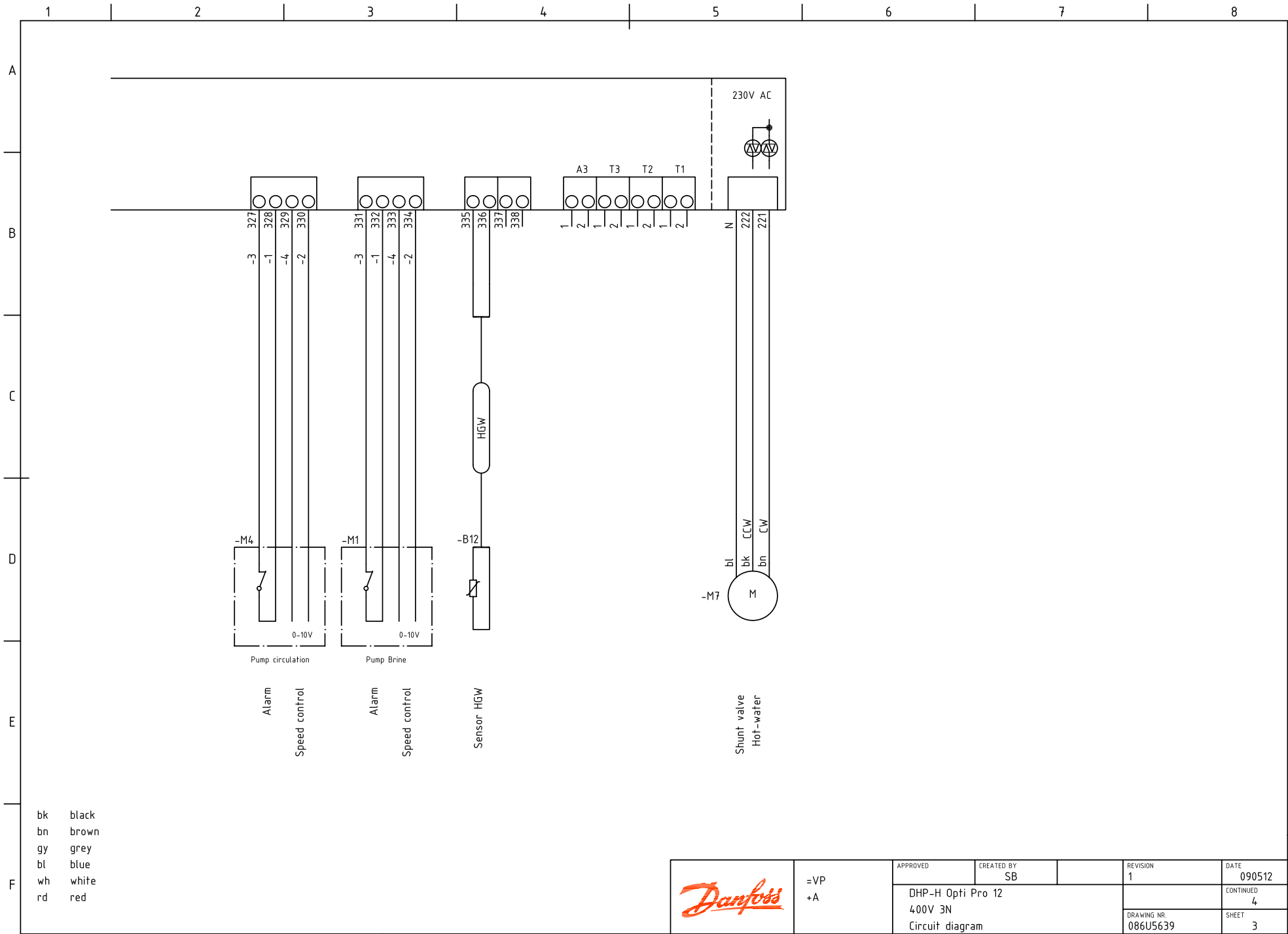


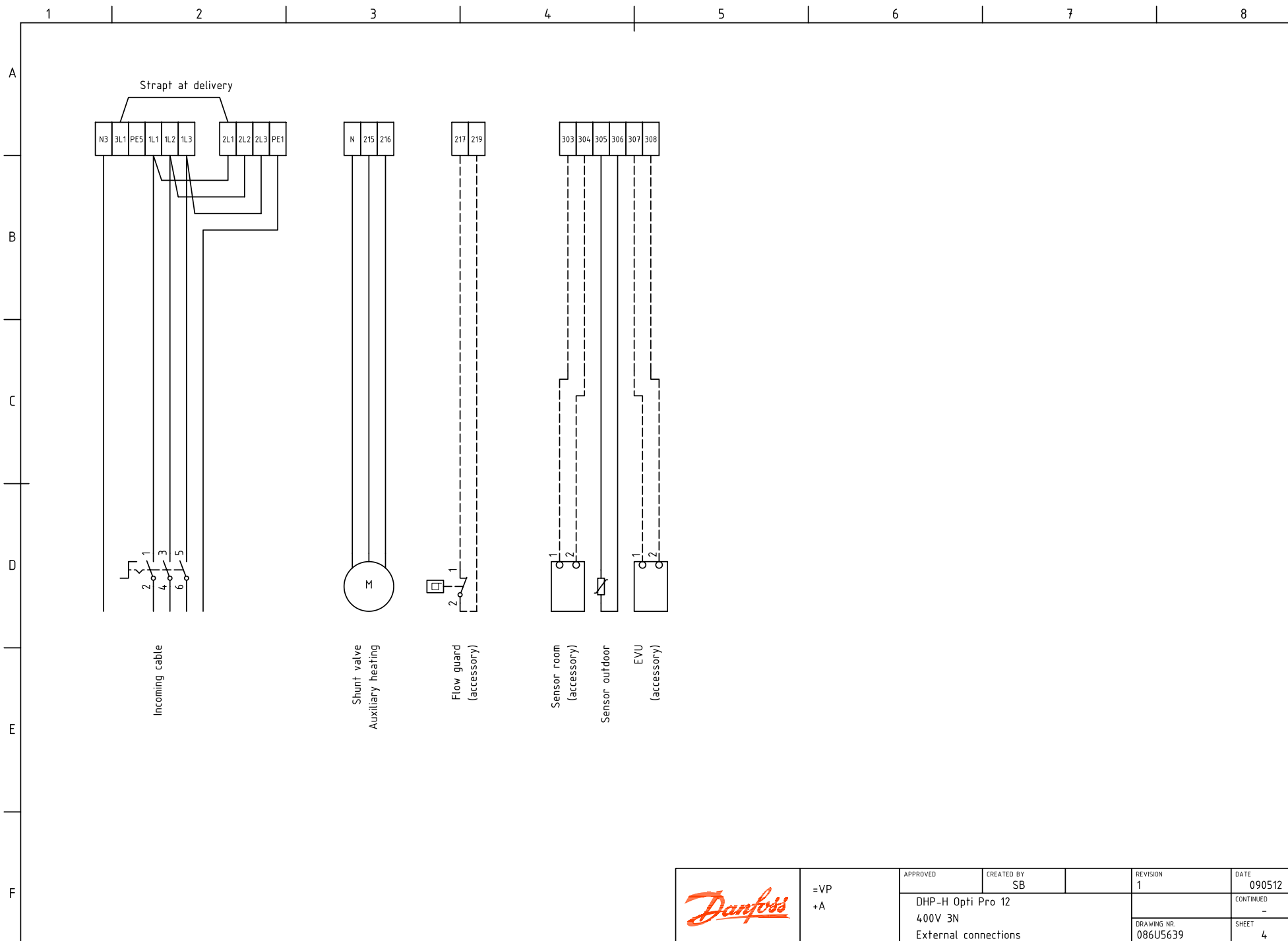


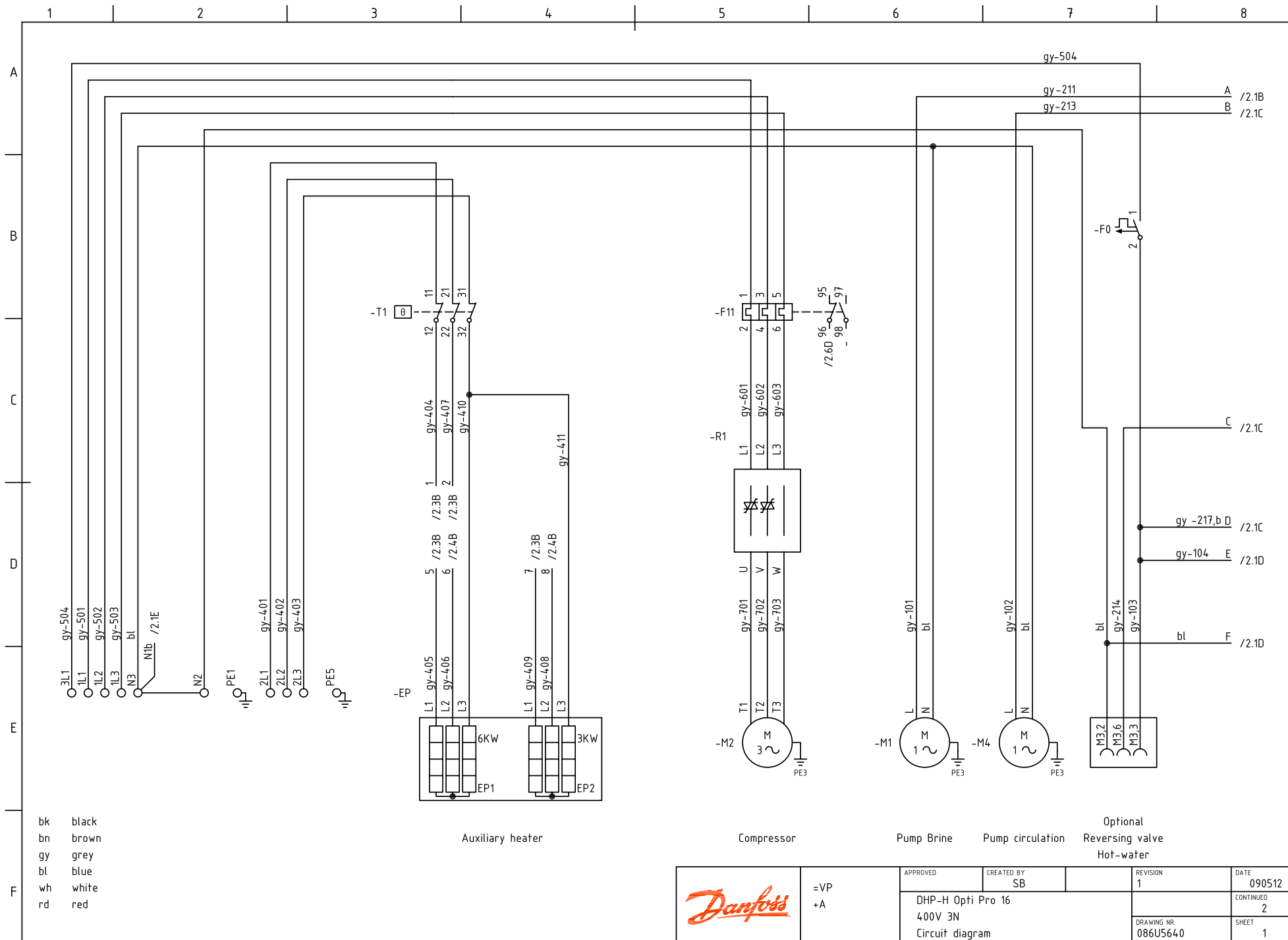


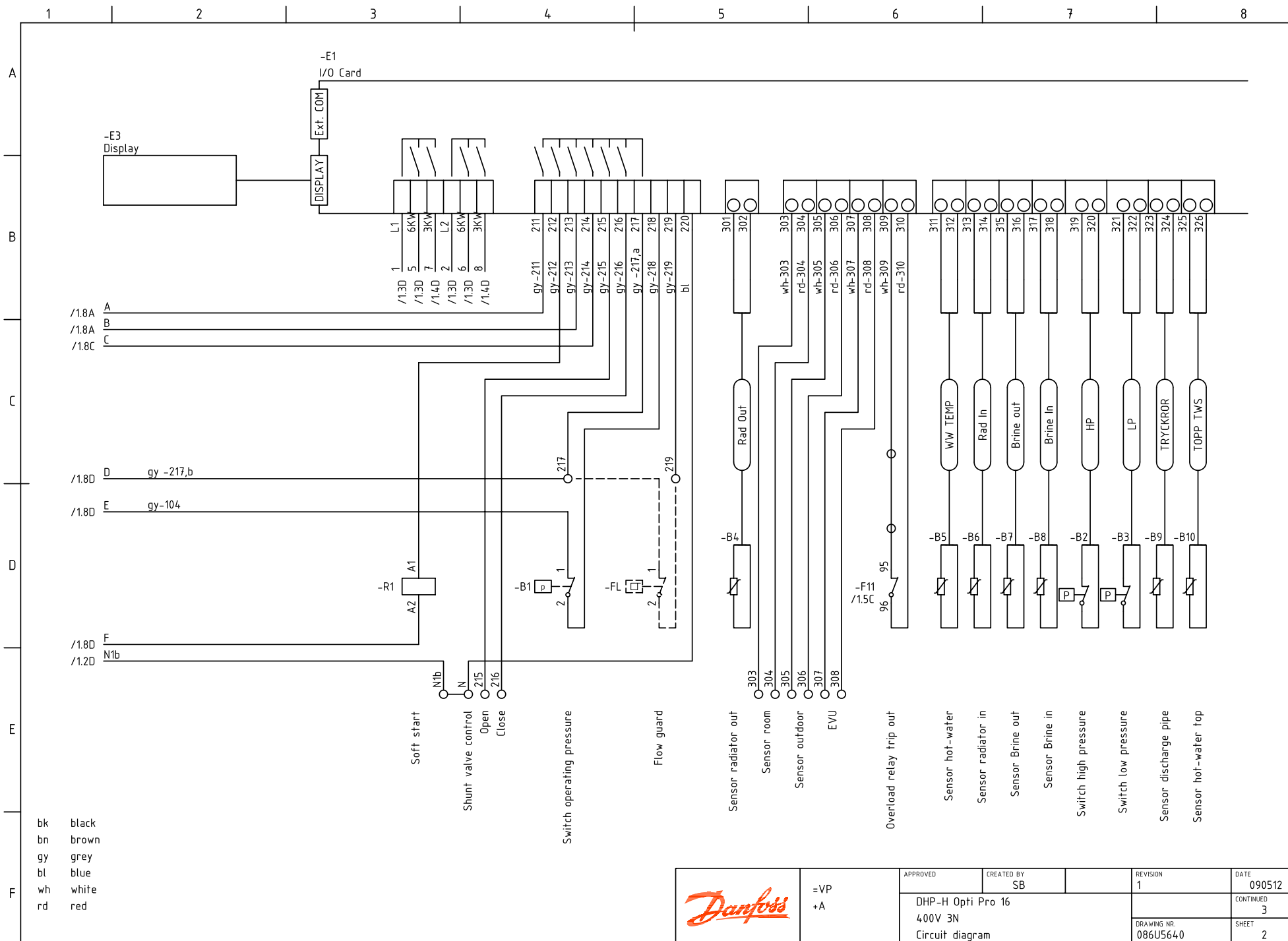


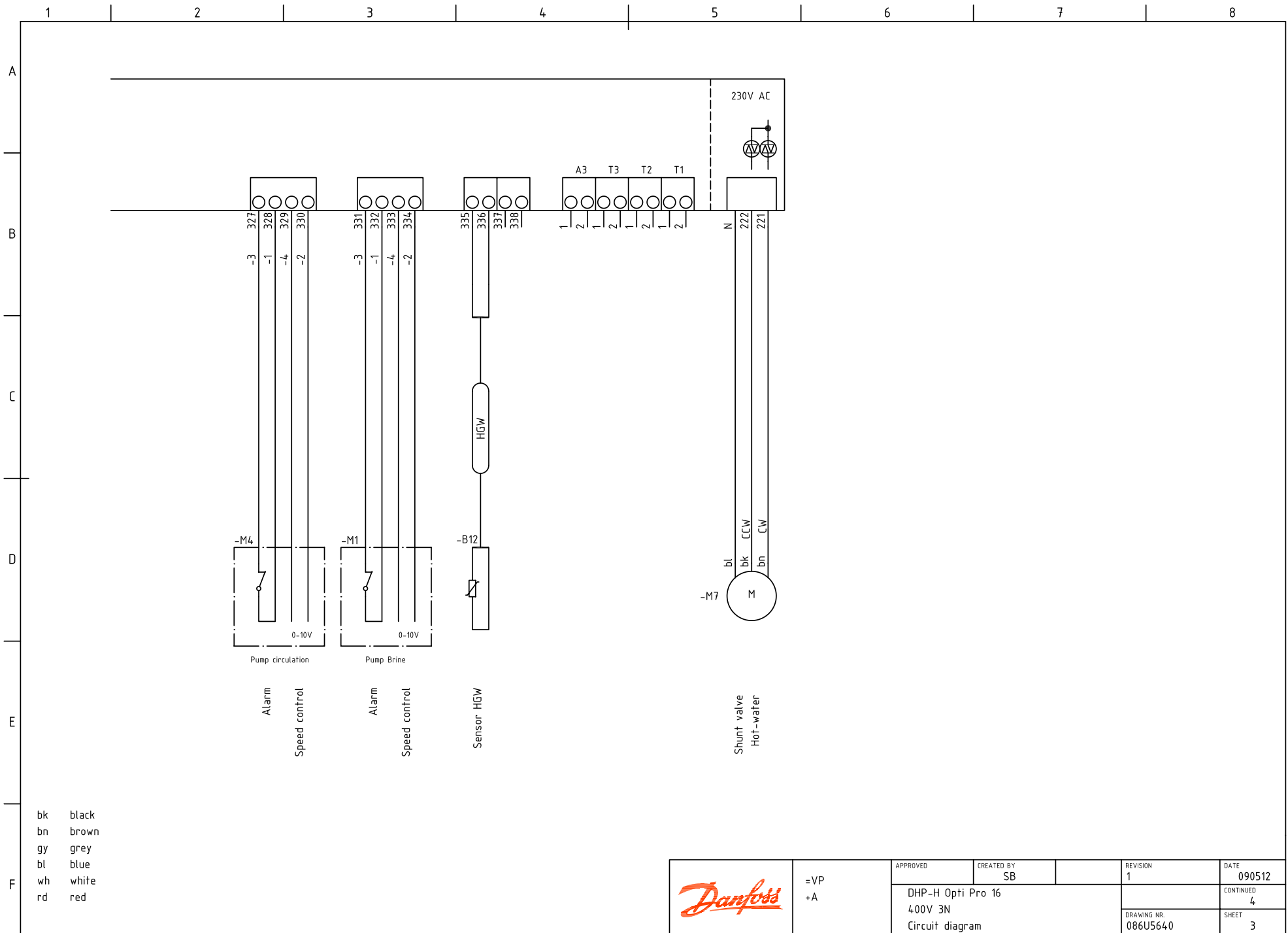


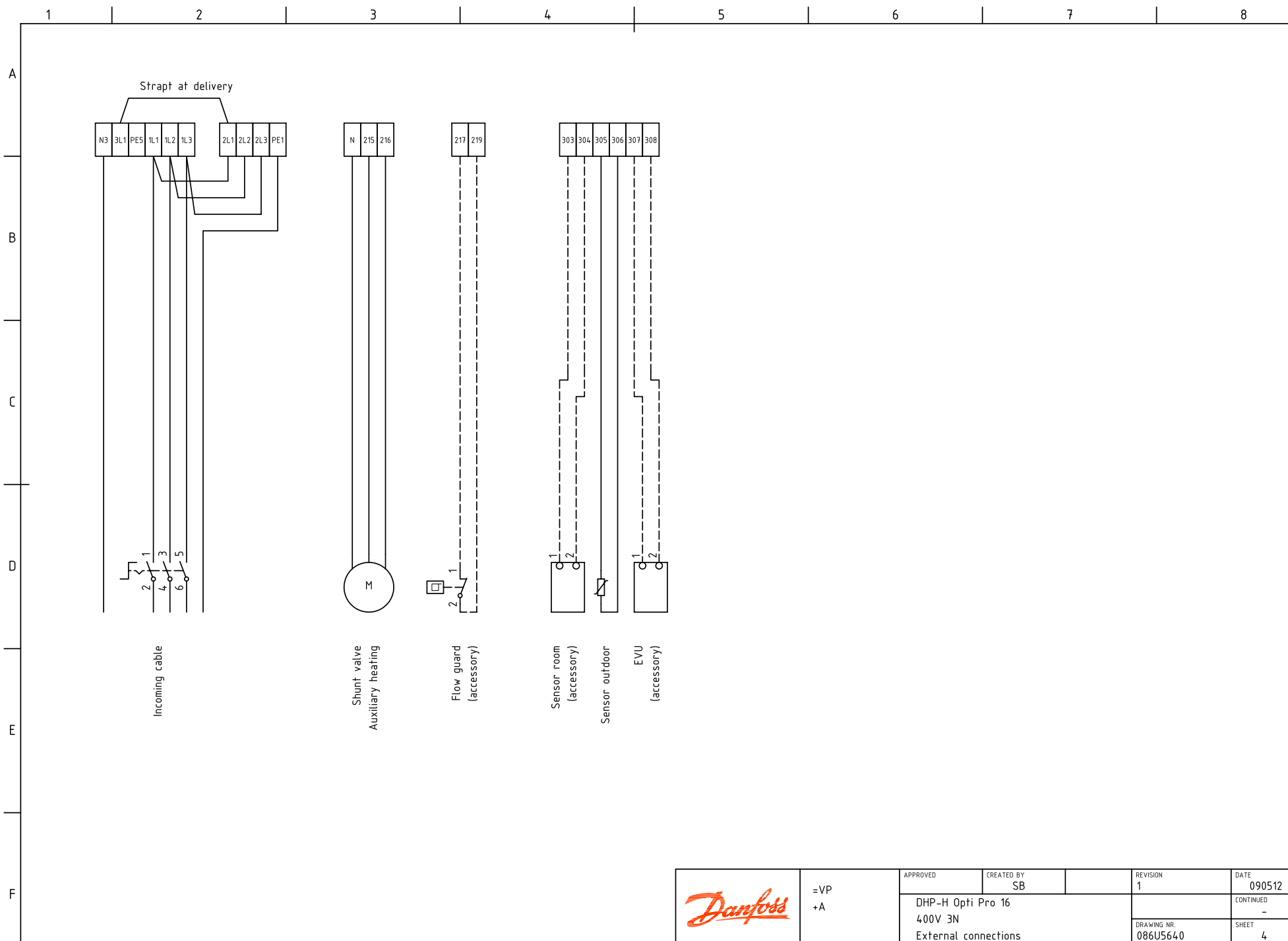













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| | | External connections | | | DRAWING NR. 086U5640 | SHEET 4 |

If these instructions are not followed during installation, operation and maintenance, the obligations of Danfoss under the warranty regulations are no longer binding.



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