

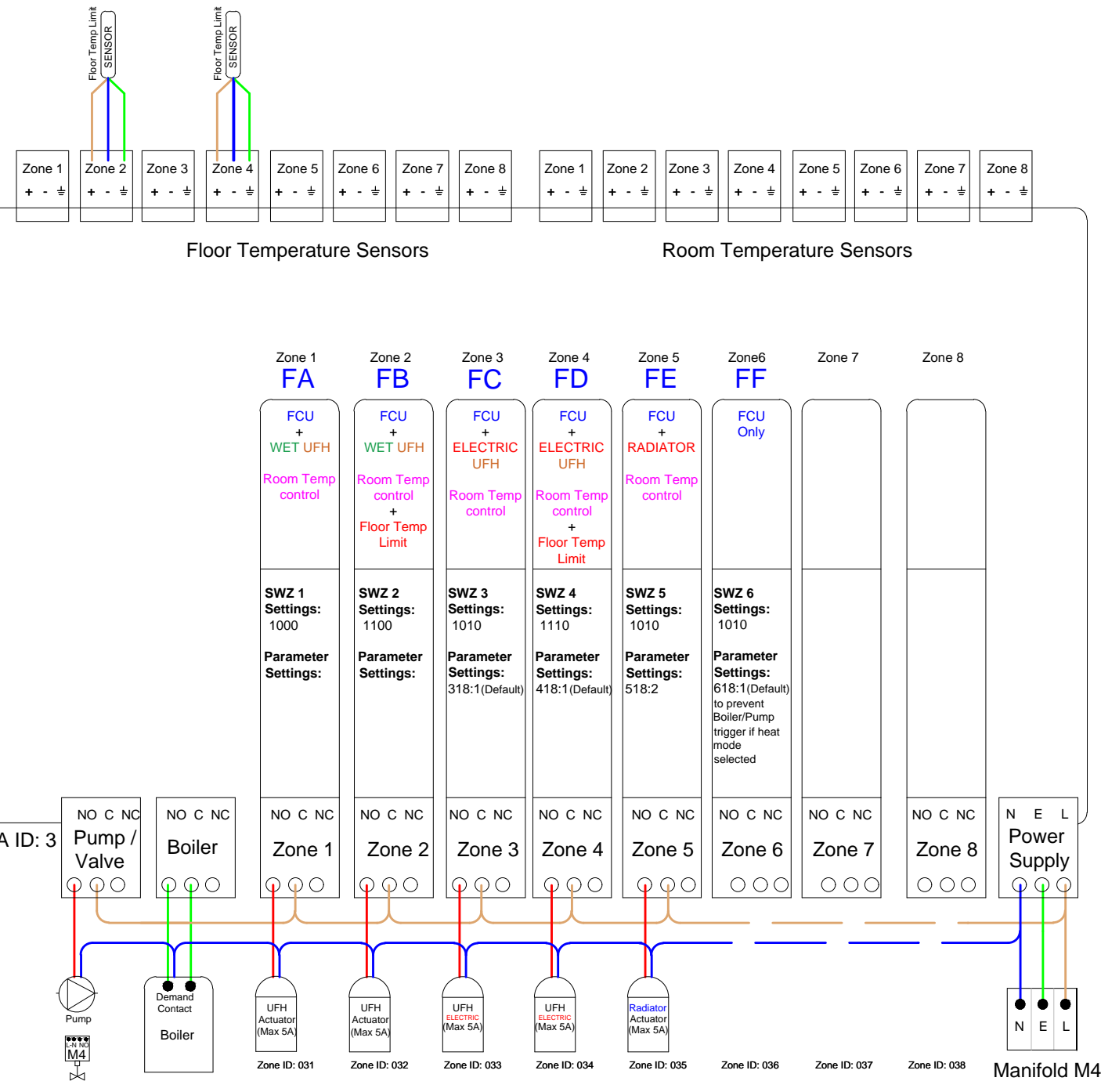
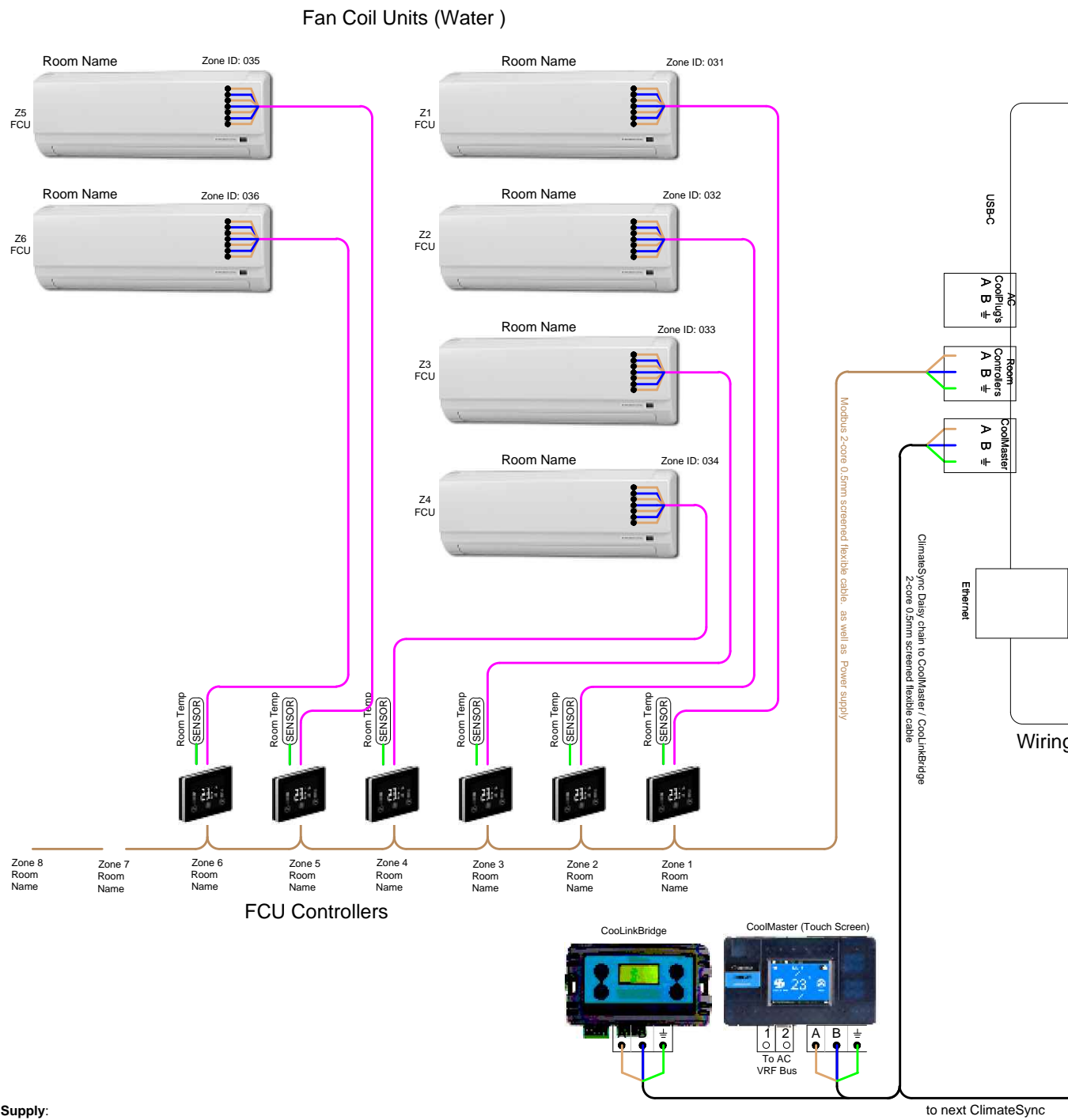
- Cable List:**
- Power Supply:**
 - Near each ClimateSync wiring centre:
 - 1 x 13Amp switched Fused Spur 110 - 240 VAC (for ClimateSync).
 - 1 x standard power socket (for the CoolLinkHub).
 - CoolMaster: (AV Rack) standard power Socket.
 - Ethernet Sockets (Internet connection):**
 - 1 x LAN socket near the CoolMaster (AV Rack).
 - 2 x LAN socket near each wiring centre (for the ClimateSync & CoolLinkHub).
 - Room & Floor Temperature sensors:** 2-core 0.75mm flexible screened cable to each sensor.
 - floor sensors should be placed near the flooring material but not near the water pipes.
 - room sensors should be placed on internal walls at 1400mm height, at a central room location away from heat sources or direct sunlight.
 - ClimateSync to CoolMaster Modbus Daisy chain:** daisy chain all ClimateSync wiring centers to the CoolMaster / CoolLinkBridge (AV Rack) using a 2-core 0.5mm flexible screened cable.
 - ClimateSync to CoolMaster direct modbus link:** a 2-core 0.5mm flexible screened cable from each ClimateSync to the CoolMaster.
 - ClimateSync to CoolPlug modbus Daisy chain:** 2-core 0.5mm flexible screened cable from each ClimateSync wiring centre to the respective CoolPlug's.
 - CoolPlug to indoor unit:** from each CoolPlug to its respective Indoor AC fan coil unit, 2-core 0.75mm flexible cable
 - Heating actuators, boiler and pump/valve:** install cables as required to connect the items to the ClimateSync wiring centre.
 - CoolMaster to VRF Communication:** Install a 2-core 0.75mm flexible screened cable from the CoolMaster and Daisy chain to all VRV/VRF outdoor units

- Optional Wall Controllers:**
- Optional budget wall controller:**
 - Back box: 1-gang 47mm deep back box.
 - communication: Daisy chain: 2-core 0.5mm flexible screened cable from each ClimateSync wiring centre to the respective wall controllers.
 - Power Supply: 240vac power supply to each wall controller.
 - Optional ClimatePad wall controllers:**
 - Back box: 2-gang 47mm deep back box installed behind the plasterboard (to create 57mm depth).
 - communication: Daisy chain: 2-core 0.5mm flexible screened cable from each ClimateSync wiring centre to the respective wall controllers.
 - Power Supply: Daisy chain 2-core 0.5mm flexible cable from a 5vdc power supply unit near each ClimateSync wiring centre to the respective wall controllers.
 - Optional CentralPad (Central Controller for a single ClimateSync wiring centre):**
 - Back box: 2-gang 47mm deep back box installed behind the plasterboard (to create 57mm depth).

Note: for Electric UFH, the limit per ClimateSync relay is 5Amp. install a contactor for higher rates.
Note: for water FCU's, use cable specification as required for the specific application. contact us if in doubt.

Client:		Page:	A3	Tenways Engineering Services Ltd Climate Controls Experts 85 Kenilworth Road, London, HA8 8XA Tel: +44 20 8203 1105 Email: info@tenways.co.uk Web: www.tenways.co.uk
Project:	ClimateSync Samples	Date:	15/02/2024	
Drawing:	Zone Types: FA,FB,FC,FD,FE,FF	Var:	2	
Description:	Heating & Cooling Wiring Centre	Scale:	NTS	





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 - CoolPlug to indoor unit:** from each CoolPlug to its respective Indoor AC fan coil unit, 2-core 0.75mm flexible cable
 - Heating actuators, boiler and pump/valve:** install cables as required to connect the items to the ClimateSync wiring centre.
 - CoolMaster to VRF Communication:** Install a 2-core 0.75mm flexible screened cable from the CoolMaster and Daisy chain to all VRV/VRF outdoor units

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