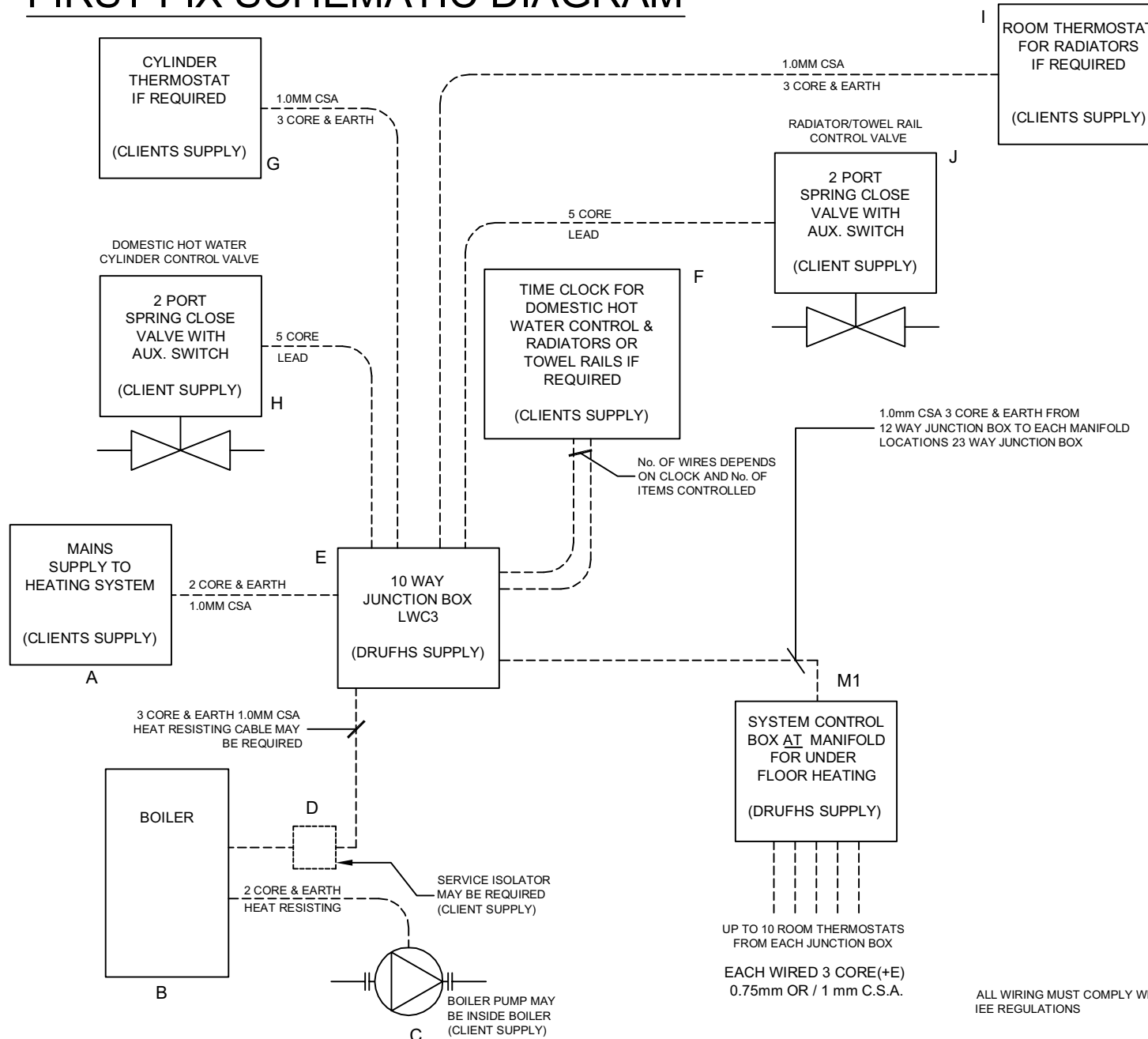


FRANKISCHE UK LTD. FIRST FIX SCHEMATIC DIAGRAM

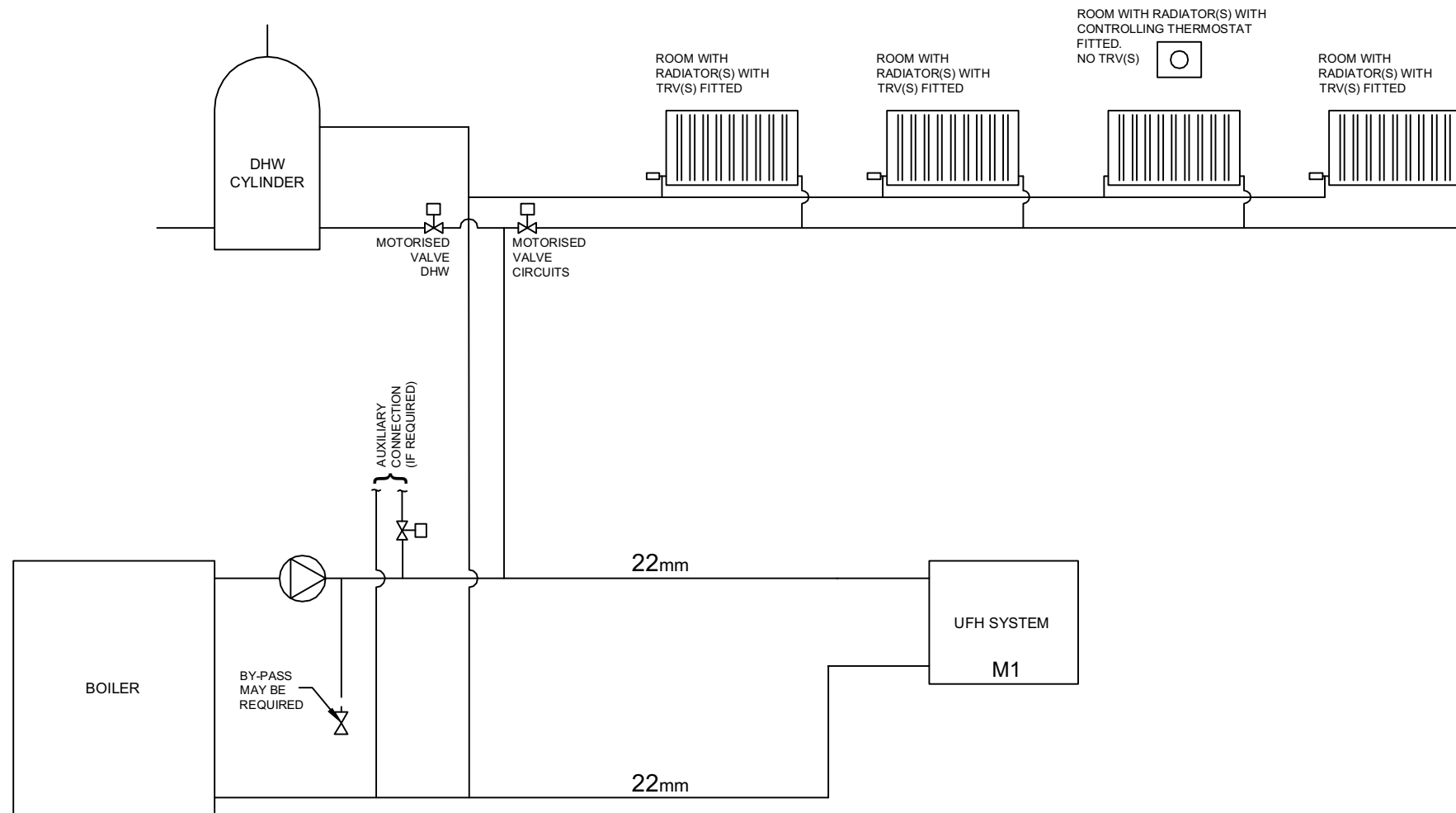


TO AID FIRST FIX WIRING
NOTE LOCATION OF ALL ITEMS REQUIRED BELOW:
THEN RUN CABLES

ITEM	LOCATION
A	BOILER ROOM
B	BOILER ROOM
C	NEAR OR IN BOILER
D	NEAR BOILER
E	NEAR BOILER
F	NEAR BOILER TO CLIENTS CHOICE
G	D.H.W CYLINDER
H	FLOW OR RETURN D.H.W CYLINDER
I	ROOM WITHOUT TRV
J	FLOW OR RETURN RADS
M1	

ALL WIRING MUST COMPLY WITH CURRENT
IEE REGULATIONS

SCHEMATIC OF HEATING SYSTEM COMBINATIONS



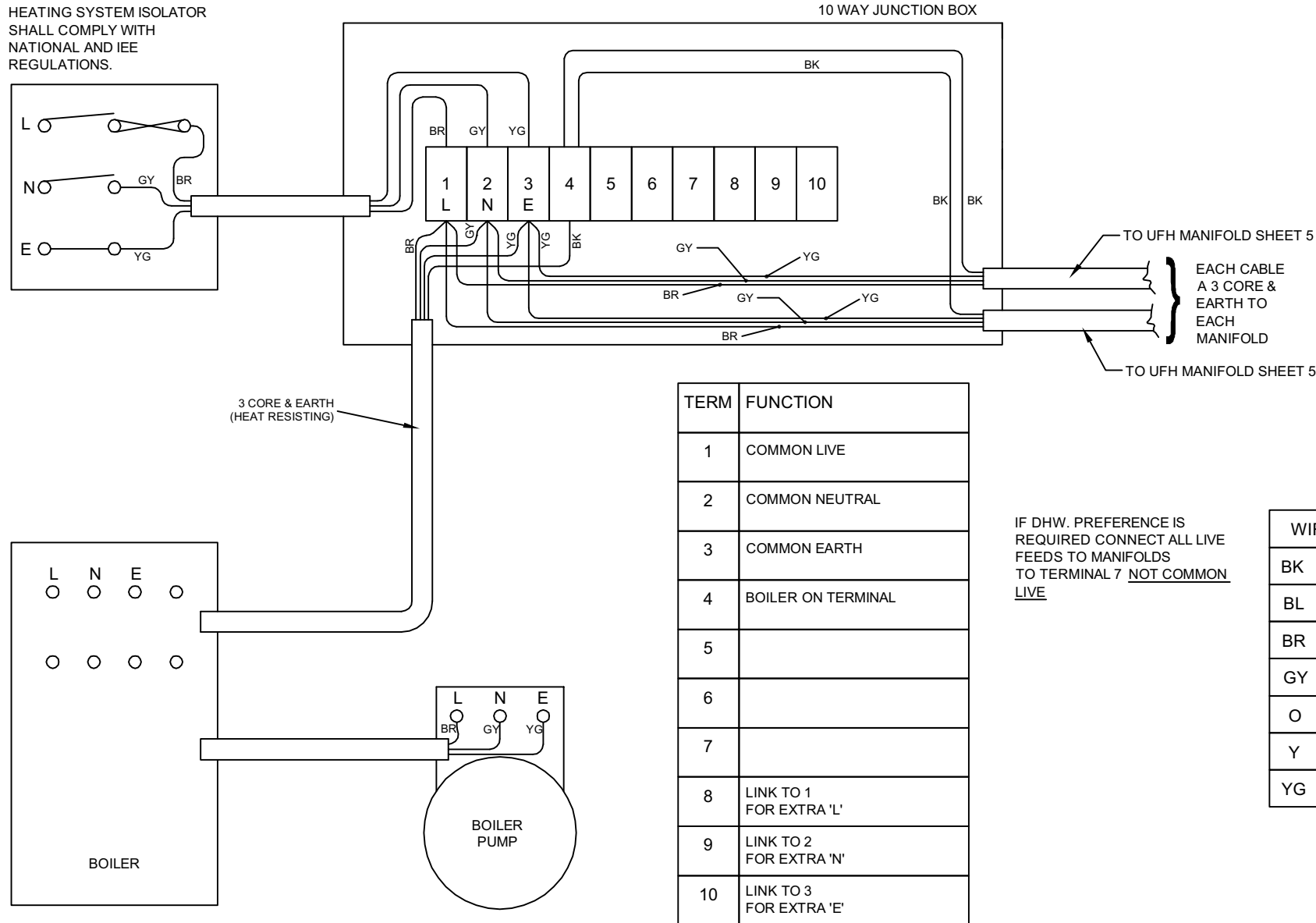
THE ABOVE SHOWS A SCHEMATIC OF A HEATING SYSTEM COMBINING UFH, A DHW CYLINDER & TOWEL RAILS. FEED, EXPANSION, FILLING, DRAIN VALVES, PRESSURE VESSELS AND SAFETY VALVES HAVE BEEN OMITTED FOR CLARITY. THESE MUST BE FITTED IN ACCORDANCE WITH EQUIPMENT SUPPLIERS INSTRUCTIONS AND COMPLY WITH LOCAL BYLAWS AND SAFETY LEGISLATION.

THE SYSTEM SHOULD BE ARRANGED WITH EACH TYPE OF HEATING EQUIPMENT ABLE TO CONTROL THE BOILER AND WORK INDEPENDENTLY OF THE OTHER HEAT EMITTERS.

NOTE:
ALL PIPE SIZES ARE COPPER SIZE
OR EQUIVALENT BORE

MAINS ISOLATOR/BOILER/BOILER PUMP & 10 WAY JUNCTION BOX WIRING .

HEATING SYSTEM ISOLATOR SHALL COMPLY WITH NATIONAL AND IEE REGULATIONS.

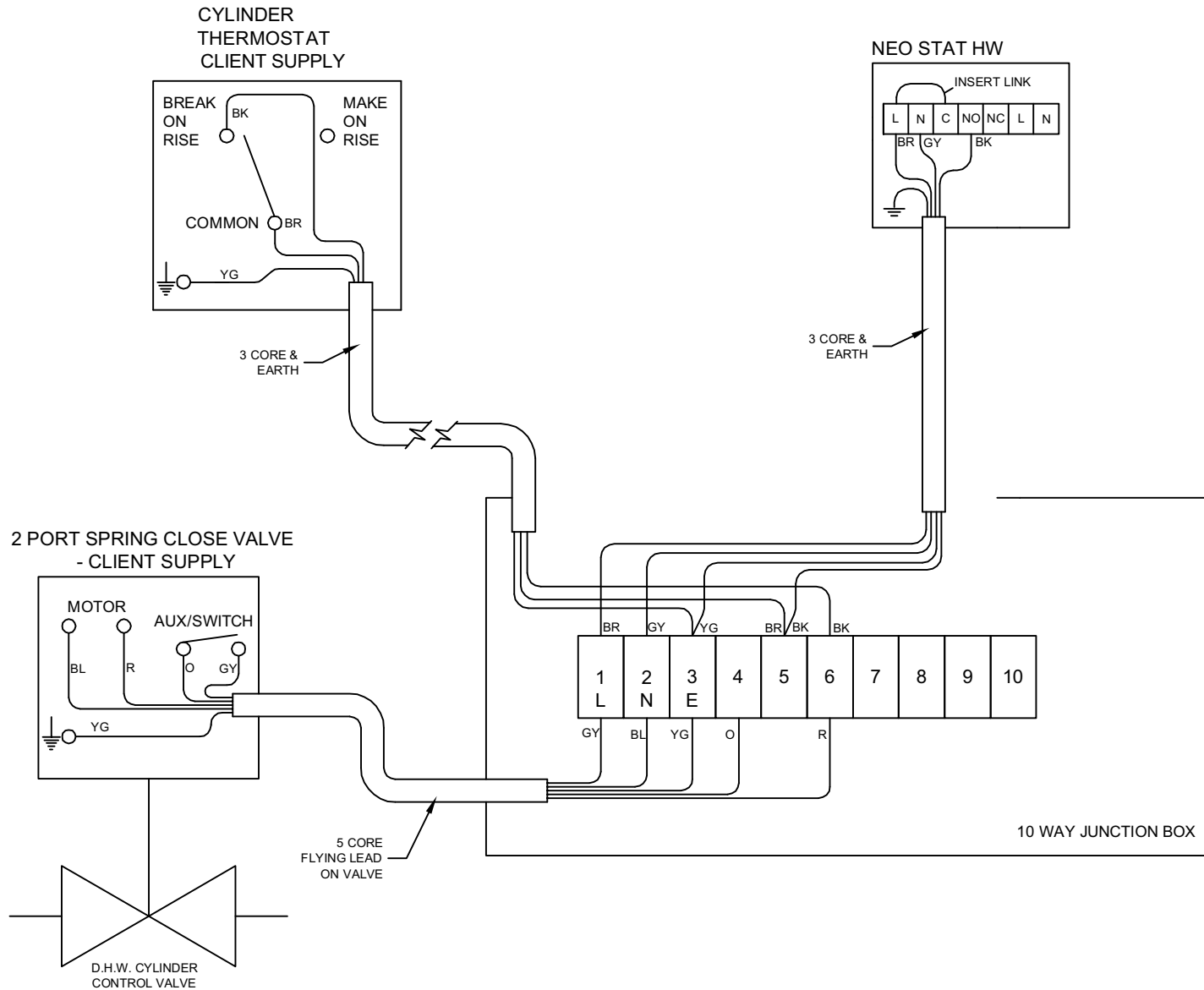


TERM	FUNCTION
1	COMMON LIVE
2	COMMON NEUTRAL
3	COMMON EARTH
4	BOILER ON TERMINAL
5	
6	
7	
8	LINK TO 1 FOR EXTRA 'L'
9	LINK TO 2 FOR EXTRA 'N'
10	LINK TO 3 FOR EXTRA 'E'

IF DHW. PREFERENCE IS REQUIRED CONNECT ALL LIVE FEEDS TO MANIFOLDS TO TERMINAL 7 NOT COMMON LIVE

WIRE COLOUR KEY	
BK	BLACK
BL	BLUE
BR	BROWN
GY	GREY
O	ORANGE
Y	YELLOW
YG	YELLOW/GREEN

DOMESTIC HOT WATER CONTROL WITH UFH ON SAME BOILER



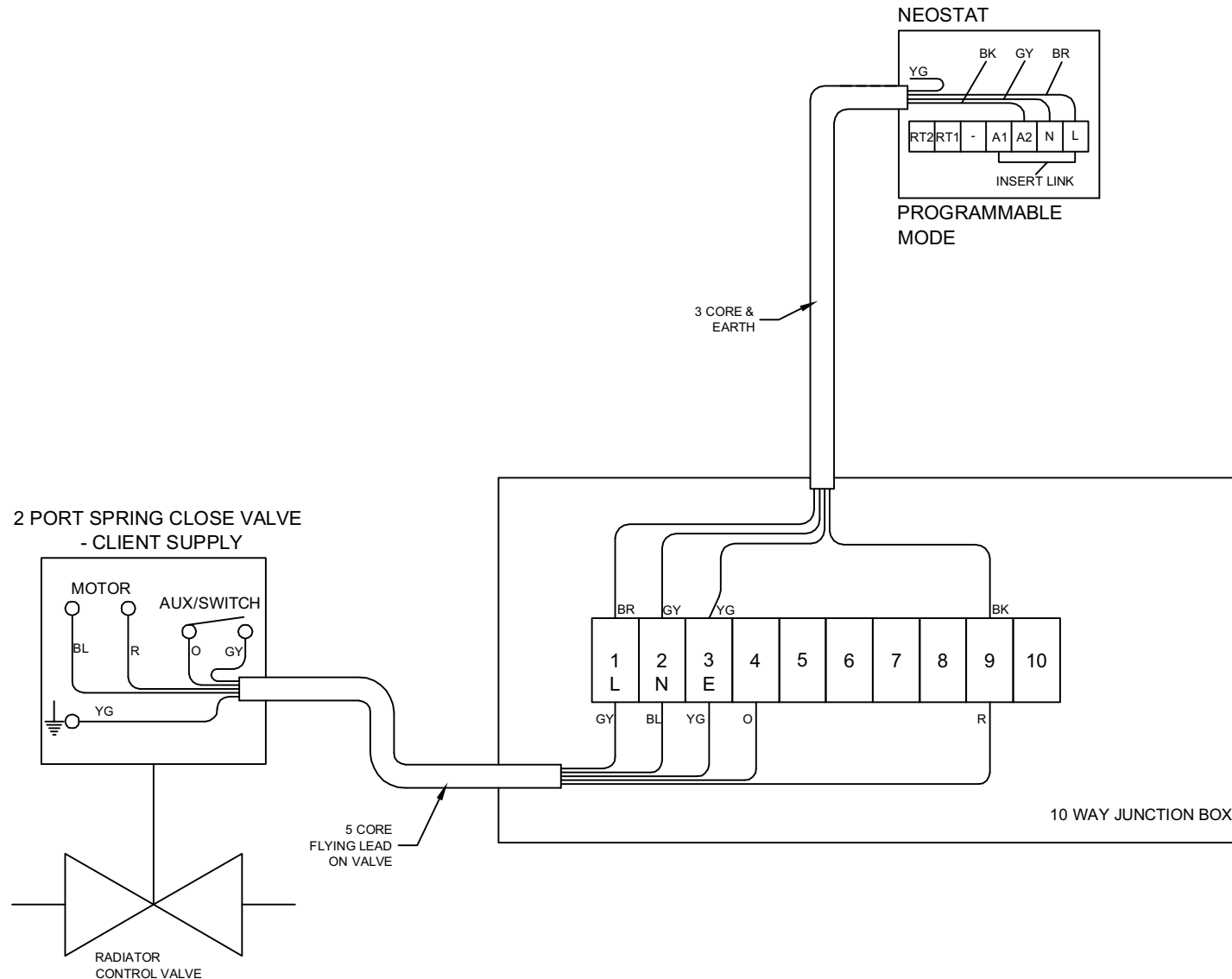
WIRE COLOUR KEY	
BR	BROWN
BL	BLUE
BK	BLACK
R	RED
YG	YELLOW/GREEN
O	ORANGE
GY	GREY

TERM	FUNCTION
1	COMMON LIVE
2	COMMON NEUTRAL
3	COMMON EARTH
4	BOILER ON
5	OUTPUT TO CYL. STAT.
6	ON SIGNAL CYL. STAT.
7	DHW. PREF. LIVE
8	RADS ON IF REQUIRED
9	
10	

ALL WIRING MUST COMPLY WITH CURRENT IEE REGULATIONS

RADIATOR WITH UFH ON SAME BOILER

(CAN BE USED FOR TOWEL DRIER CIRCUIT)



WIRE COLOUR KEY	
BR	BROWN
BL	BLUE
BK	BLACK
R	RED
YG	YELLOW/GREEN
O	ORANGE
GY	GREY

TERM	FUNCTION
1	COMMON LIVE
2	COMMON NEUTRAL
3	COMMON EARTH
4	BOILER ON
5	
6	
7	
8	OUTPUT TO RADS ROOM THERMOSTAT
9	ON SIGNAL RADS
10	

ALL WIRING MUST COMPLY WITH CURRENT IEE REGULATIONS

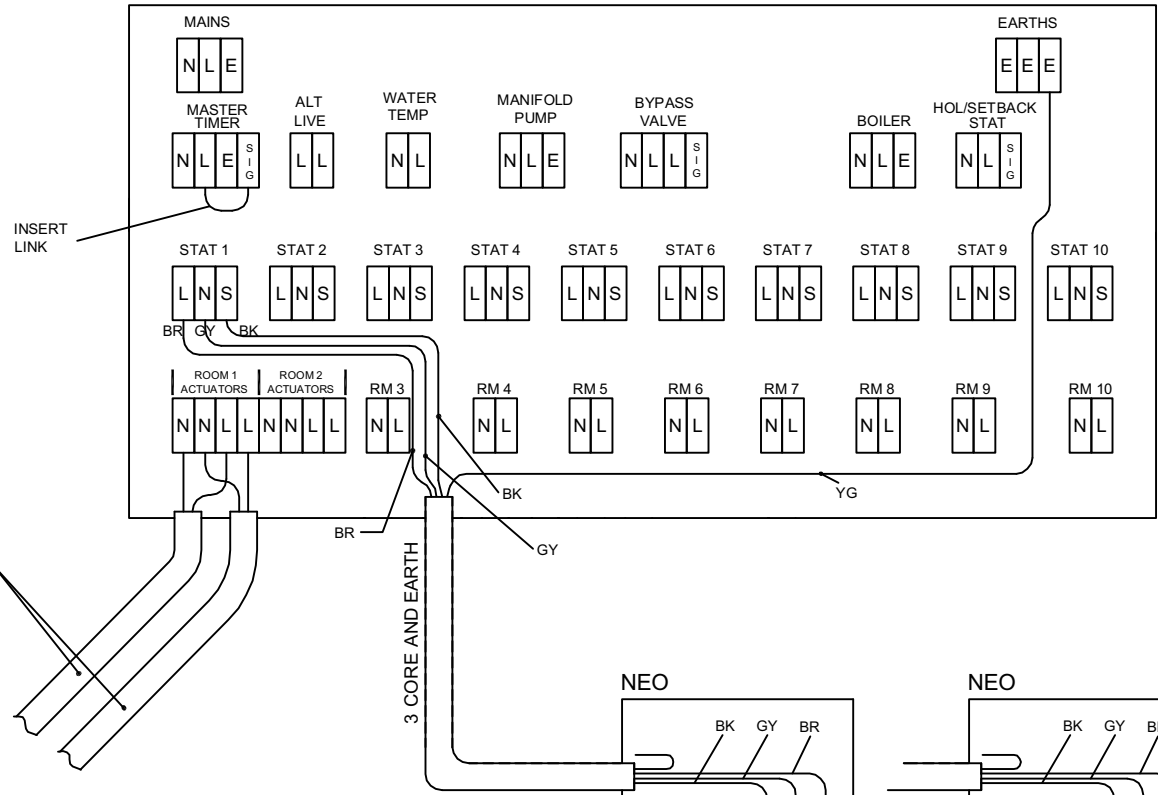
WIRING DETAIL FOR HEATMISER NEO RANGE OF CONTROLS

SHOWN CONNECTED TO ROOM 1 CONNECTORS (FOR EXAMPLE)

Live to L
Neutral to N
Signal to Sig
Earth to Earth Block

Actuator(s) wired to block below

NOTES:
WET ROOM MODE REQUIRES A REMOTE SENSOR LOCATED IN THE WET ROOM AND POSITIONED INSIDE THE SUPPLIED PROTECTIVE BOX (PACKED SEPARATLY) AND CAN BE EXTENDED USING A SHIELDED NETWORK CABLE NO LONGER THAN 20M

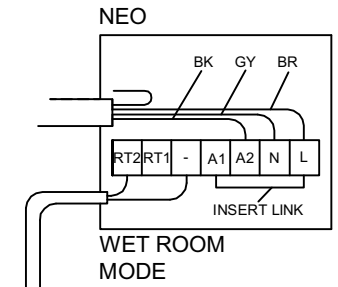
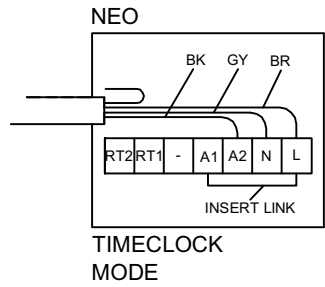
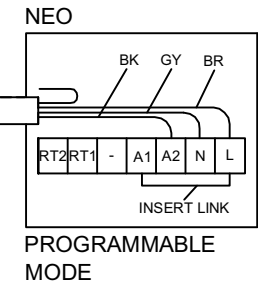


To actuator (s)
Blue to N
Brown to L

ROOM THERMOSTAT DETAILS		
	LOCATION	TYPE
STAT 1		
STAT 2		
STAT 3		
STAT 4		
STAT 5		
STAT 6		
STAT 7		
STAT 8		
STAT 9		
STAT 10		

WIRE COLOUR KEY	
BK	BLACK
BL	BLUE
BR	BROWN
GY	GREY
O	ORANGE
Y	YELLOW
YG	YELLOW/GREEN

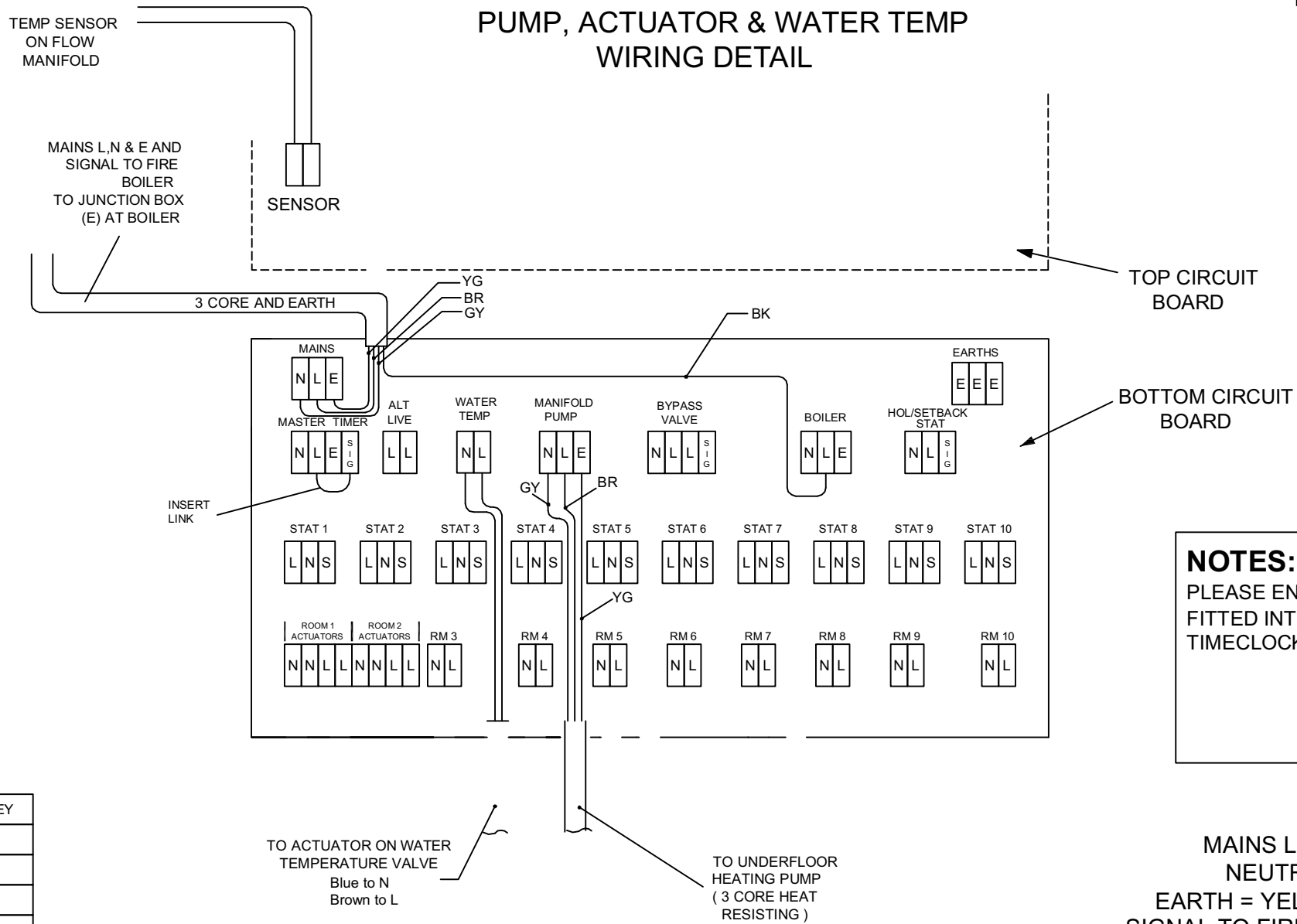
TIDY AWAY



REMOTE AIR SENSOR
LOCATE IN WET ROOM

ALL WIRING MUST COMPLY WITH CURRENT IEE REGULATIONS.

MANIFOLD PUMP, ACTUATOR & WATER TEMP WIRING DETAIL



**ISSUE 4
CONTROLS**

NOTES:
PLEASE ENSURE THE LINK IS
FITTED INTO THE MASTER
TIMECLOCK POSITION

WIRE COLOUR KEY	
BK	BLACK
BL	BLUE
BR	BROWN
GY	GREY
O	ORANGE
Y	YELLOW
YG	YELLOW/GREEN

MAINS LIVE = BROWN
NEUTRAL = GREY
EARTH = YELLOW & GREEN
SIGNAL TO FIRE BOILER = BLACK

ALL WIRING MUST COMPLY WITH CURRENT IEE REGULATIONS.