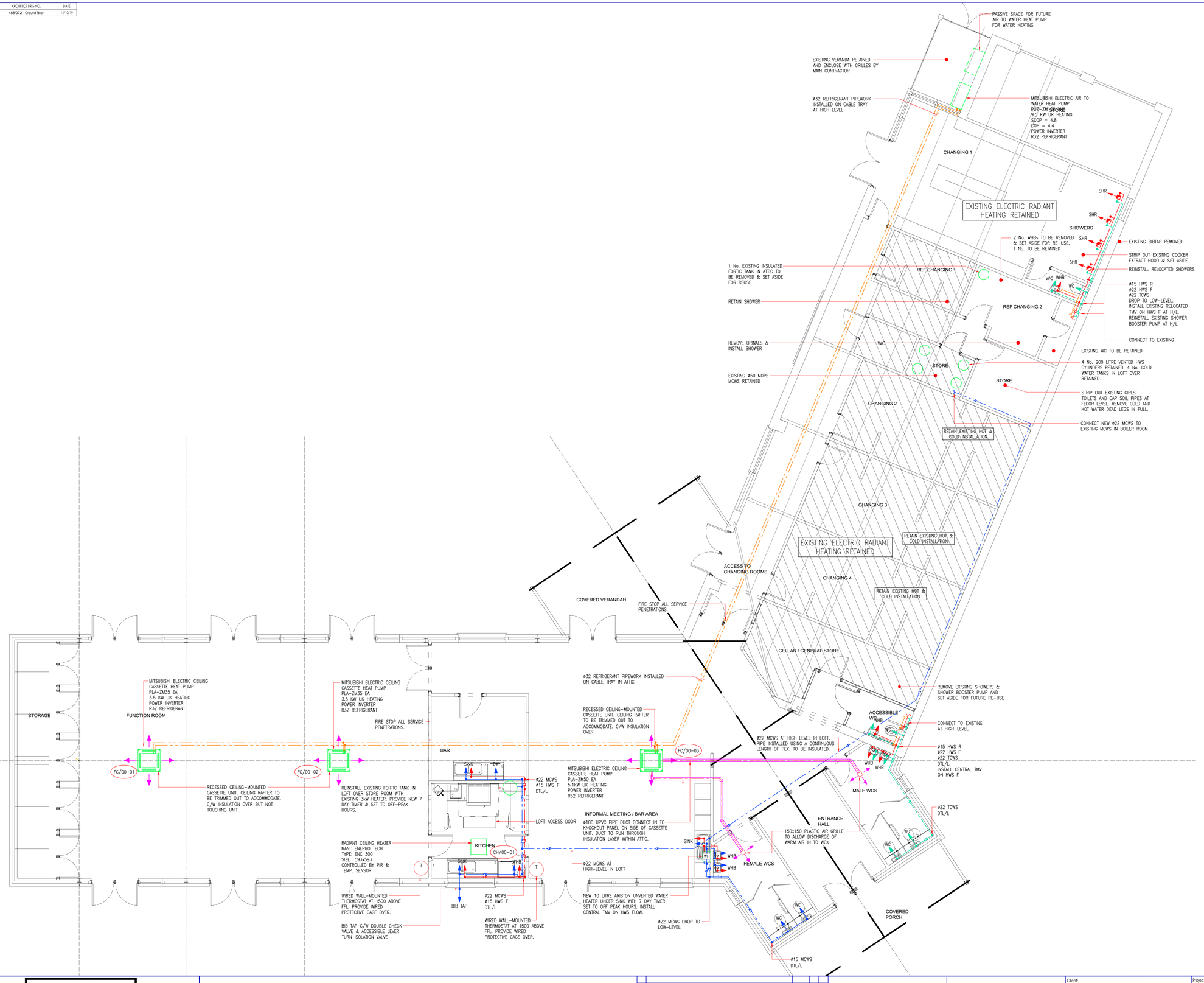
XREF	ARCHITECT DRG NO.	DATE
Robinson Brice	488/072 - Ground floor	14/12/19



LEGEND

CH – RADIANT CEILING HEATER

C/W – COMPLETE WITH

FC – FAN COIL UNIT

HEATING NOTES

1. MAIN DISTRIBUTION VRF PIPEWORK TO BE LAID ON CABLE TRAYS.
1. EXTERNAL VRF PIPEWORK TO BE LAID ON CABLE TRAYS COVERED WITH A FURTHER INVERTED TRAY.
2. ALL VRF PIPEWORK SHALL COPPER TABLE X & BE THERMALLY INSULATED TO CURRENT CIBSE STANDARDS.
3. ALL ROOM TEMPERATURE CONTROLLERS SHALL HAVE SET BACK TEMPERATURE OF 7°C AND A ROOM CONTROL TEMPERATURE RANGE BETWEEN 19°C AND 21°C. ROOM TEMPERATURE CONTROL WILL BE ACTIVATED WITH KEY CARD HOLDER.
4. COOLING ELEMENT OF THE SYSTEM SHALL BE DISABLED.
5. UPVC DRAINAGE PIPEWORK SHALL BE USED AS AIR DUCTS CONNECTING TO KNOCKOUT PANELS ON CASSETTE UNITS TO SUPPLY WARMED AIR TO ANCILLARY ROOMS AS INDICATED.

PIPEWORK LEGEND

- PIPEWORK AT HIGH LEVEL ABOVE CEILING
- PIPEWORK AT HIGH LEVEL
- PIPEWORK AT LOW LEVEL
- PIPEWORK AT LOW LEVEL IN FLOOR MAKE-UP

DOMESTIC LEGEND

DTL/L – DROP TO LOW LEVEL

HWS F – HOT WATER SERVICE FLOW

HWS R – HOT WATER SERVICE RETURN

H/L – HIGH LEVEL

MCWS – MAINS COLD WATER SERVICE

RFB – RISE FROM BELOW

RTA – RISE TO ABOVE

SHR – SHOWER

TCWS – TANK COLD WATER SERVICE

TMV – THERMAL MIXING VALVE

WC – TOILET

WHB – WASH HAND BASIN

FINAL CONNECTIONS

DISHWASHER	–	ø15
SHOWER	–	ø15
SINK	–	ø15
WC	–	ø15
WHB	–	ø15

DOMESTIC HOT & COLD WATER NOTES

1. All PIPEWORK SHALL BE INSTALLED AND DESIGNED TO BS6700, CIBSE GUIDE B4.20 & B4.21 AND GOOD PRACTICE.
2. ALL PIPEWORK TO BE PEX FOR WATER SERVICES IN ACCORDANCE WITH BS 2781
3. BALL-O-FIX ISOLATING VALVES SHALL BE INSTALLED ON ALL FINAL APPLIANCE BRANCH CONNECTION INCLUDING WCs CISTERNS, WASH HAND BASINS, URINAL FLUSHING CISTERNS, SHOWERS & CLEANERS SINKS, VALVE SHALL BE WITHIN 300mm FROM FINAL CONNECTION TO OUTLET.
4. DRAIN OFF COCKS SHALL BE PROVIDED AT LOW-LEVEL TO FACILITATE DRAINING, AND AUTOMATIC AIR VENTS PROVIDED AT ALL HIGH POINTS ON ALL NECESSARY PIPEWORK.
5. ALL HOT AND COLD WATER PIPEWORK SHALL BE THERMALLY INSULATED THROUGHOUT BUILDING. ALL PIPES IN PLANTROOM RISERS TO BE INSULATED WITH PHENOLIC FOAM.
6. GENERALLY, ALL PIPED SERVICES SHALL BE CONCEALED BEHIND ACCESSIBLE PANELS. ANY EXPOSED PIPE SERVICES SHALL BE CHROME PLATED.
7. ALL COMPONENTS OF THE DOMESTIC WATER SYSTEM SHALL BE WRAC APPROVED.
8. ALL PIPEWORK SHALL BE PRESSURE TESTED THROUGHOUT PRIOR TO APPLICATION OF INSULATION.
9. THE INSTALLATION SHALL BE FLUSHED, CLEANED AND CHLORINATION OF DWS PIPEWORK IN ACCORDANCE WITH THE RELEVANT GUIDELINES.
10. ALL DHW BLENDING VALVES SHALL BE COMPLETE WITH WITH ISOLATING VALVES, STRAINERS AND NON-RETURN VALVES. MECHANICAL CONTRACTOR SHALL INCLUDE FOR THE SETTING OF EACH BLENDING VALVE SHALL BE SET TO 43°C AND BE WITNESSED BY THE CLIENT'S REPRESENTATIVE.
11. BLENDING VALVES SHALL BE INSTALLED ON ALL WHBS AND SHOWERS.
12. WATER SERVICES TO ALL SANITARYWARE / APPLIANCES SHALL BE INSTALLED TO MANUFACTURER'S INSTRUCTIONS.
13. EXISTING WATER SUPPLY SERVING THE EXISTING HUT SHALL BE DISCONNECTED BUT REROUTED AND REUSED TO SERVE NEW HALL COMPLETE WITH A NEW SUB METER.
14. PIPES LAID IN SCREED TO BE WRAPPED IN DENSO TAPE FOR GALVANIC PROTECTION.
15. BELOW GROUND INCOMING PIPES MAINS WATER IN BLUE MDPE, GAS IN YELLOW MDPE.
16. EXISTING WATER SUPPLY IS TO BE RETAINED AND REUSED.
17. ALLOW TO REMOVE AND DISPOSE OF ALL EXISTING REDUNDANT SERVICES WITHIN THE EXISTING HUT.
18. DESIGN BASED ON TO COMPLY WITH PART L SBEM CALCULATIONS.

THE CONTRACTOR SHALL APPLY ALL NOTES FOR COMMON COMPONENTS

ALL WORK TO COMPLY WITH APPROPRIATE BUILDING CONTROL REGULATIONS & ALLIED LEGISLATION. THE LOCAL AUTHORITIES BYELAWS, CONDITIONS OF CONSENTS & STIPULATIONS ETC. & REQUIREMENTS OF THE STATUTORY BODIES.

THE CONTRACTOR IS TO SERVE ALL NOTICES TO ALL AUTHORITIES & STATUTORY BODIES CONCERNED.

ALL WORKS ARE TO COMPLY WITH APPROPRIATE LEGISLATION, REGULATIONS, BYELAWS, LOCAL AUTHORITY BUILDING CONTROL, STATUTORY BODIES AND MANUFACTURERS REQUIREMENTS.

ALL WORKING MUST BE TAKEN FROM CHECKED AND/OR VERIFIED BY MAIN CONTRACTOR ON SITE PRIOR TO THE MANUFACTURE OF ALL ITEMS & THE PLACING OF WORK IN HAND.

ALL INSTALLATION, MANUFACTURING AND EQUIPMENT PURCHASING WORKS MUST NOT BE UNDERTAKEN UNTIL SITE DIMENSIONS AND SUITABILITY OF INSTALLATION AND/OR STORAGE ON SITE HAS BEEN VERIFIED.

THE CONTRACTOR MUST REFER TO, AND READ IN CONJUNCTION WITH THE ARCHITECTS, CONSULTANTS AND/OR SPECIALISTS' DRAWINGS.

FOR DETAILS OF H&S RISK PERTAINING TO REGULATION 9 OF THE CDM REGULATIONS 2015, REFER TO THE H&S RISK REGISTER.

WHERE THERE ARE APPARENT ERRORS AND DIFFERENCES BETWEEN REPORTS, DRAWINGS, SPECIFICATIONS AND SCHEDULES THIS MUST BE BROUGHT TO THE ATTENTION OF FERGUSON BROWN.

Plotted: 24/12/2019 11:14:52

Rev	Description	Date	Drw	Chk
P02	REVISED TO CLIENTS COMMENTS.	14/12/19	SB	TG

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Client:
ROBINSON BRICE
COACH HOUSE SHOP
UNION STREET
CHEDDAR
SOMERSET
BS27 3NA

Project:
CHEDDAR PARISH PAVILION
SHARPHAM ROAD
CHEDDAR
SOMERSET
BS27 3DR

Title:
MECHANICAL SERVICES
HEATING AND
DOMESTIC HOT & COLD WATER LAYOUT
GROUND FLOOR

Scale: 1:50@A0	Date: SEPT 2019	Drn By: MS	Chk By: PS						
Project No.	Originator	Zone	Level	Type	Role	Number	Status	Revision
488	-FB6701-	ZZ	-GF-	DR-	M	-2000	D2	P02