

HEATING PIPEWORK PASSES THROUGH THE BASE OF BOOKCASES N.B. WHERE CORNER JOINTS ARE REQUIRED, ACCESS IS TO BE PROVIDED AS SHOWN IN THE BOOKCASE BOTTOM SHELF TO INSPECT THE JOINTS

### KEY - FOUL ABOVE-GROUND DRAINAGE

**KEY - PIPED SERVICES** 

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### **KEY - VENTILATION**

F/X

SVP/X	SOIL VENT PIPE REFERENCE X
SS/X	STUB STACK REFERENCE X
+	FOUL DRAINAGE
<b></b>	SOIL VENT PIPE OR STUB STACK
=	RODDING EYE
C	WC CONNECTION
\$	WASH-HAND BASIN OR SINK CONNECTION
÷	FLOOR GULLEY

_	COLD WATER (POTABLE)
_	HOT WATER (DHW)
_	HOT WATER RETURN
	COLD WATER TAP OR CONNECTION

ATT/X	ATTENUATOR REFERENCE X
EG/X	EXTRACT GRILLE/DIFFUSER REFERENCE X
TER/X	INTAKE/EXHAUST TERMINAL REFERENCE X
+	EXTRACT DUCTWORK
	FIRE RATED DUCTWORK
,	CONTROL
	CEILING EXTRACT GRILLE/DIFFUSER
	WALL EXTRACT GRILLE/DIFFUSER
$\mathbf{k}_{\mathcal{N}}^{\mathcal{N}}$	WALL EXTRACT GRILLE/DIFFUSER
A	WINDOW ACTUATOR
B	BLIND MOTOR

FAN REFERENCE X

							UNDERFLO	OR HEATING SPE	CIFICATION								
RE	F ITEM			LOC	ATION		MAKE	/ MODEL		PORTS	S/CAPACITY/SPEC	DIMENSIONS (ØXH OR WXLXH)	NOTES /ACCESSORIES				
UFF	1/1	MANIFOLD			MANIFOLD			IN CUPBOARD - REFER TO WA			WARMAFLOOR STANDARD COMPOSITE MANIFOLD			11 PORT		185X980X810MM*	150X500X200MM ZONE REQUIRED ABOVE OR ADJACENT FOR CONTROLS
UFH/1	і/тс	CONTROLLE	R		ш		HEATMISE	ER NEOSTAT V2					13X85X85MM				
UFH/1	/wc	WIRING CENTRE			NG CENTRE "HEATMISER UH4*					348X148X60MM							
UFH/1	I/TS	TEMPERATURE SENSOR			PERATURE SENSOR IN ROOM - REFER TO LAYOUT HEATMISER THIMBLE SENSOR												
UFH	1/2	MANIFOLD			IN CUPBOARD - LAYOUT	· REFER TO	WARMAF	LOOR STANDAR	) COMPOSITE MA	NIFOLD	2 PORT		185X530X810MM*				
UFH/2	UFH/2/TC CONTROLLER AS UFH/1																
UFH/2	UFH/2/WC WIRING CENTRE				AS UFH/1												
UFH/2/TS TEMPERATURE SENSOR AS UFH/1																	
*INDICATIV	NDICATIVE; SPECIALIST TO ENSURE COMPATIBILITY WITH NUMBER OF ZONES SELECTED BY SPECIALIST																
							RA	DIATOR SCHEDU	LE								
REF	REF MANUFACTURER RANGE MODEL COLUMNS SECTIONS OUTPUT (W)* HEIGHT (MM) LENGTH* (MM) DEPTH FINISH MOUNTING CONNECTIONS							IONS									

						RA	DIATOR SCHEDU	LE				
REF	MANUFACTURER	RANGE	MODEL	COLUMNS /PANELS	SECTIONS	OUTPUT (W)*	HEIGHT (MM)	LENGTH <sup>+</sup> (MM)	DEPTH (MM)	FINISH	MOUNTING	
R/2/1	CASTRADS	MERCURY	N/A	3	14	924	760	826	140	PEWTER	FLOOR	
R/2/2	CASTRADS	MERCURY	N/A	3	13	858	760	767	140	PEWTER	FLOOR	
R/2/3	CASTRADS	MERCURY	N/A	3	12	792	760	708	140	PEWTER	FLOOR	
R/2/4							AS R/	2/2				
R/2/5	CASTRADS	MERCURY	N/A	6	30	3480	660	1770	140	PEWTER	FLOOR	
R/2/6							AS R/2	2/2				
R/2/7	AS R/2/2											
R/2/8							AS R/	2/1				
R/2/9	CASTRADS	MERCURY	N/A	6	28	3248	760	1416	215	PEWTER	FLOOR	
					*S	TANDARD OUTP	UT (80°C/60°C,∆5	0); †APPROXIMAT	E			
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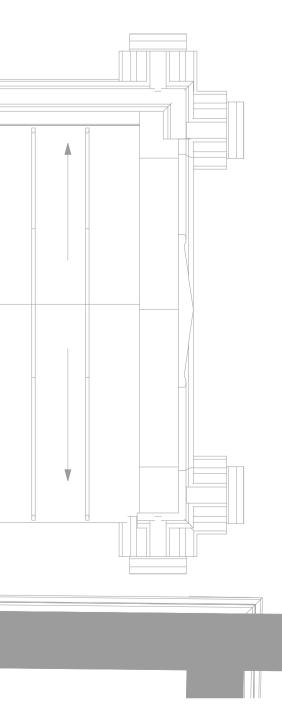
KEY – HI	EATING	NOT	ES				
H/R/N/X	NEW RADIATOR REFERENCE X		DO NOT SCALE TO BE READ IN CONJUNCTION WITH ALL OTHER				
H/R/E/X	EXISTING RADIATOR REFERENCE X	L	LAURENCE OWEN LTD AND DESIGN TEAM PROJECT				
H/UFH/X	UNDERFLOOR HEATING MANIFOLD X		FINAL SETTING OUT BY ARCHITECT				
H/UFH/X/Y	UNDERFLOOR HEATING ZONE Y SERVED FROM MANIFOLD X	5. I	F IN DOUBT ASK DESIGN OF FIRE ALARM SYSTEM BY SPECIALIST				
	RADIATOR	6.	ALLER - EQUIPMENT SHOWN INDICATIVE ONLY WHERE EMERGENCY LIGHTS OR EMERGENCY				
	FLOW PIPEWORK	WITH	ESCAPE SIGNS ARE PRESENT, CIRCUITS MUST BE RUN WITH AN UNSWITCHED LIVE IN ADDITION TO THE SWITCHED LIVE, LIKEWISE PHASE-PULSE CONTROLLED				
	RETURN PIPEWORK	LIGH	,				
	SINGLE PIPE SYSTEM PIPEWORK						
	EXISTING PIPEWORK	KEY	- PIPEWORK				
	FLUE	<u> </u>	– PIPEWORK AT HIGH LEVEL (HIDDEN)				
	TEMPERATURE SENSOR		- PIPEWORK AT HIGH LEVEL				
$\Box$	THERMOSTAT		- PIPEWORK AT LOW LEVEL				
KEY – DR	YRISER		PIPEWORK AT LOW LEVEL (HIDDEN)				
DRY/1	RISER REFERENCE X	С	PIPEWORK DROP				
		•	PIPEWORK RISE				

TOP: BLANKING VALVE, BRASS BLEED VALVE BOTTOM; WINDSOR TRV, WINDSOR LOCKSHIELD AS R/0/1

AS R/0/1

AS R/0/1

AS R/0/1



### ABBREVIATIONS

H/L, L/L	HIGH LEVEL, LOW LEVEL
F/A, F/B	FROM ABOVE, FROM BELOW
T/A, T/B	TO ABOVE, TO BELOW
FA/TB	FROM ABOVE TO BELOW
FB/TA	FROM BELOW TO ABOVE

REV. P1 P2	DATE 2020-11-09 2020-11-15	ISSUE STAGE 3 FOR COSTING STAGE 3
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# FOR INFORMATION

#### CLIENT

EXETER COLLEGE, OXFORD

ARCHITECT NEX ARCHITECTURE

PROJECT NAME

## THE LIBRARY RENEWED

DRAWING TITLE

## COMBINED MECHANICAL LAYOUT FIRST FLOOR

PROJECT DRAWING NAME REV FIRST DRAWN SCALE AT A1 P111 T[90]102 P2 2020-11 1:50

Environmental Design

