

CT F&R FROM ROOM 101 FLOOR VOID
CONNECTING TO AHU'S INTO PLANT ROOM,
TO REMAIN AS EXISTING
EXISTING AHU'S SERVING ROOMS 004, 005 & 205 TO
REMAIN AS EXISTING

CT F&R T/A
SHADED AREA INDICATES
HEATING TO REMAIN AS
EXISTING - SEPARATE SYSTEM

NOTE: SOME RELOCATION OF EXISTING
ELECTRICAL SYSTEMS AND MINOR
MODIFICATIONS TO BUILDING
ELEMENTS TO BE CARRIED OUT TO
ACCOMMODATE NEW MECHANICAL
SYSTEMS

RADIATORS AND HEATING PIPEWORK IN
ROOM 101 TO REMAIN AS EXISTING
VT F&R & CT F&R
EXISTING CT F&R DROP INTO FLOOR VOID
TO PLANT ROOM No. 204 TO REMAIN AS
EXISTING

CT F&R SERVING THE REFECTORY AHU TO
REMAIN AS EXISTING

PIPES TA TO RAD

VT F&R H/L TO L/L TO RAD

PIPES TA SERVING RAD

NEW BOILER FLUE RISER TO TOP OF CHIMNEY

CT F&R TO REMAIN AS EXISTING

NEW BOILER FLUE EXITS PLANT AREA

EXISTING PARTITION WALL TO BE
DEMOLISHED TO FREE UP SPACE FOR
NEW PLANT & ASSOCIATED SAFE
ACCESS

CT F&R H/L TA VT F&R H/L TA AND TO
L/L SERVING RAD VT F&R H/L TA
MAURICE HALL

VT RISER FROM H/L TA

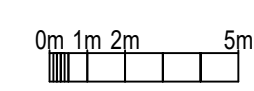
VT F&R H/L TO L/L

PIPES AT L/L UNDER RADS

PIPES AT L/L
UNDER RADS

VT F&R H/L TO L/L

LEGEND							
	PIPEWORK AT HIGH LEVEL (H/L)		VALVE	CT	LTHW CONSTANT TEMPERATURE CIRCUIT - HEATER BATTERIES	①	NEW L.T.H.W GAS-FIRED PLANT BOILER TO SERVE NEW SPACE HEATING & NEW DOMESTIC HOT WATER PLANT
	PIPEWORK AT LOW LEVEL (L/L)		RADIATOR	VT	LTHW VARIABLE TEMPERATURE CIRCUIT - ALL RADIATORS	②	NEW L.T.H.W. CIRCULATION PUMPS
TA	TO ABOVE		PIPE RISE/ FALL POINT	LTHW	LOW TEMPERATURE HOT WATER	③	NEW PRESSURISATION SET
FB	FROM BELOW	MMV	MIXED MODE VENTILATION	AHU	AIR HANDLING UNIT	④	NEW CONTROL PANEL
F&R	LTHW FLOW AND RETURN	LL	LOW LEVEL			⑤	NEW DOMESTIC HOT WATER GENERATION PLANT
HL	HIGH LEVEL	SD	SMOKE DAMPER				



Background Based On Architect's Drawing: Arch Dwg: 810- 44 Crowndale Road - Final				scale 1:200@A3	check JS	project title WMC Heating & Ventilation Improvement Project		 brinson / staniland / partnership <small>Kings House 32-40 Widmore Road Bromley Kent BR1 1RY 1 020 8466 6131 e admin@bspce.com www.bspce.com</small>
P3	Planning	06.04.18	date	Feb 2018	drawn RM	client Working Mens College		
P2	Preliminary	21.03.18	drawing title		drawing number 1741-M201		rev P3	
P1	Preliminary	28.02.18	Heating and Ventilation - Level 0-2					
Rev	Description	Date						