

NOTE: CORRIDOR DOORS TO BE HELD OPEN BY EXISTING "HOLD OPEN" DEVICES TO MAINTAIN AIR FLOW. DOORS ONLY TO CLOSE UPON FIRE ALARM ACTIVATION.

PENTHOUSE LOUVRE/DAMPER  
NATURAL VENTILATION INLET OVER  
STAIRWELL FOR SUMMER MODE.

SUPPLY GRILLE OFF  
ROOF AHU FOR WINTER  
MODE

WEST STAIRCASE

SUPPLY GRILLE OFF  
ROOF AHU FOR WINTER  
MODE

"WALL" LOUVRE/DAMPER  
NATURAL VENTILATION  
INLET AT TOP OF  
STAIRWELL FOR SUMMER  
MODE

EXISTING "NEW"  
STAIRCASE  
CT F&R RISE TO HL AND  
EXIT THROUGH STAIR  
WALL TO SERVE "NEW"  
STAIR AHU ON ROOF

SHADED AREA INDICATES  
HEATING TO PRINCIPALLY  
REMAIN AS EXISTING -  
SEPARATE HEATING  
SYSTEM

CT F&R RISE TO HL AND  
EXIT THROUGH STAIR  
WELL TO SERVE WEST  
STAIR AHU ON ROOF

VT F&R AT L/L  
PIPES UNDER RADS  
VT F&R H/L TO L/L

TEMPORARY LOUVRE /  
DAMPER TO OUTSIDE OF  
EXISTING SLIDING SASH  
WINDOWS FOR INTAKE  
FOR MMV TEST ROOMS

EAST STAIRCASE  
VT F&R H/L TO L/L TO RAD  
PENTHOUSE LOUVRE  
/DAMPER NAT. VENT.  
INLET OVER STAIRWELL  
FOR SUMMER MODE.

CT F&R RISE TO HL AND  
EXIT THROUGH STAIR  
WALL TO SERVE EAST  
STAIR AHU

CT F&R FB TO H/L  
VT F&R FB TO H/L

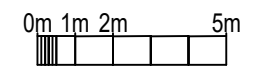
VT F&R BRANCHES  
OFF RISER AT L/L

SUPPLY GRILLE OFF ROOF  
AHU FOR WINTER MODE

VT F&R H/L TO L/L  
PIPES UNDER RADS

LEGEND			
---	PIPEWORK AT HIGH LEVEL (H/L)	⋈	VALVE
---	PIPEWORK AT LOW LEVEL (L/L)	▬	RADIATOR
TA	TO ABOVE	•	PIPE RISE/ FALL POINT
FB	FROM BELOW	MMV	MIXED MODE VENTILATION
F&R	LTHW FLOW AND RETURN	LL	LOW LEVEL
HL	HIGH LEVEL	CT	LTHW CONSTANT TEMPERATURE CIRCUIT - HEATER BATTERIES
		VT	LTHW VARIABLE TEMPERATURE CIRCUIT - ALL RADIATORS
		LTHW	LOW TEMPERATURE HOT WATER
		AHU	AIR HANDLING UNIT

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



Background Based On Architect's Drawing:  
Arch Dwg: 810- 44 Crowndale Road - Final

			scale	check	project title
			1:200@A3	JS	WMC Heating & Ventilation Improvement Project
P3	Planning	06.04.18	date	drawn	client
P2	Preliminary	21.03.18	Feb 2018	RM	Working Mens College
PI	Preliminary	28.02.18	drawing title		
Rev	Description	Date	Heating and Ventilation - Level 9	drawing number	rev
				1741-M209	P3

**bsp**  
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