

NEW WALL MOUNTED THERMOSTAT & CONTROLLER FOR FCU

NEW LOUVRE TO BE INTEGRATED AT H/L WITHIN NEW WINDOW DETAIL. FRESH AIR INTAKE VIA 250x150mm EXTERNAL LOUVRE

NEW LOUVRE TO BE INTEGRATED AT H/L WITHIN NEW WINDOW DETAIL. FRESH AIR INTAKE VIA 250x150mm EXTERNAL LOUVRE

NEW LOUVRE TO BE INTEGRATED AT H/L WITHIN WALL DETAIL. FRESH AIR INTAKE VIA 250x150mm EXTERNAL LOUVRE

NEW LOUVRE TO BE INTEGRATED AT H/L WITHIN NEW WINDOW DETAIL. EXTRACT AIR EXHAUST VIA 250x150mm EXTERNAL LOUVRE

CHW F&R, LTHW F&R AND CWS TO EMANATE FROM PLANTROOM AND RISE TO CEILING VOID

PIPEWORK ON CABLE TRAY AT HIGH LEVEL TO BE COORDINATED WITH ARCHITECTURAL FITOUT

NEW FCUs TO BE INSTALLED AT H/L TO BE FOUR WAY CASSETTE OR DUCTED TYPE

700mm CLEAR JOINERY/BOXING OUT TO ALLOW FOR HOUSING OF DUCTWORK AND FCU SERVING MUSIC CLASSROOM

LTHW F&R AT H/L RISE T/A TO SERVE FIRST FLOOR. SEE DETAIL 4

LTHW F&R DROPS TO L/L IN BOXING OUT. FOR LTHW F&R PIPEWORK DROPPING FROM H/L TO L/L IN BOXING OUT, THE CONTROL VALVE SHALL BE LOCATED IN VERTICAL SECTION. ACCESS PANEL REQUIRED IN BOXING OUT

CWS AND LTHW F&R DROPS TO L/L TO SERVE SECURITY MESS. PIPEWORK TO REMAIN AT H/L TO ROUTE THROUGH SECURITY OFFICE

UNDER SINK INSTANTANEOUS ELECTRIC HOT WATER HEATER (HEATRAE SADIA) TO BE INSTALLED UNDER SINK WHERE NO CENTRAL HOT WATER SERVICE IS AVAILABLE

ABOVE GROUND DRAINAGE TO BE BELOW NEW KITCHEN UNIT FIT-OUT

AAV TO SERVE KITCHEN SINK AND TUNDISH FROM WATER HEATER TO BE INSTALLED WITH OPENING ABOVE HIGHEST SANITARY WEAR FLOOD LINE

UNDER SINK INSTANTANEOUS ELECTRIC HOT WATER HEATER (HEATRAE SADIA) TO BE INSTALLED UNDER SINK WHERE NO CENTRAL HOT WATER SERVICE IS AVAILABLE

NEW LOUVRE TO BE INTEGRATED AT H/L WITHIN NEW WINDOW DETAIL. EXTRACT AIR EXHAUST VIA 200x150mm EXTERNAL LOUVRE

DUCTWORK TO BE IN CEILING VOID

F&R LTHW TO DROP TO LOW LEVEL

F&R LTHW DETAIL IN BOXING OUT AS PER ARCHITECT DETAIL

LTHW F&R AT L/L IN BOXING OUT. FOR LTHW F&R PIPEWORK DROPPING FROM H/L TO L/L IN BOXING OUT, THE CONTROL VALVE SHALL BE LOCATED IN VERTICAL SECTION. ACCESS PANEL REQUIRED IN BOXING OUT

NEW WALL MOUNTED THERMOSTAT & CONTROLLER FOR FCU

NEW LOUVRE TO BE INTEGRATED AT H/L WITHIN NEW WINDOW DETAIL. FRESH AIR INTAKE VIA 250x150mm EXTERNAL LOUVRE

400x150mm EXHAUST LOUVRE WITH PLENUM AT H/L SHARED BY HEAT RECOVERY VENTILATION UNIT AND TOILET EXTRACT

UNDER SINK INSTANTANEOUS ELECTRIC HOT WATER HEATER (HEATRAE SADIA) TO BE INSTALLED UNDER SINK WHERE NO CENTRAL HOT WATER SERVICE IS AVAILABLE

ABOVE GROUND DRAINAGE TO SUIT WC LAYOUT. TO BE SURFACE MOUNTED OR BOXED OUT

AAV TO SERVE KITCHEN SINK AND TUNDISH FROM WATER HEATER TO BE INSTALLED WITH OPENING ABOVE HIGHEST SANITARY WEAR FLOOD LINE

MULTIPOINT EXTRACT FAN LOCATED IN THE CEILING

CHW AND LTHW PIPEWORK TO RISE TO ABOVE IN BOXING OUT.

LTHW F&R AT H/L TO ROUTE ABOVE DOOR IN BOXING OUT

LTHW F&R DROPS TO L/L IN BOXING OUT. FOR LTHW F&R PIPEWORK DROPPING FROM H/L TO L/L IN BOXING OUT, THE CONTROL VALVE SHALL BE LOCATED IN VERTICAL SECTION. ACCESS PANEL REQUIRED IN BOXING OUT

LTHW F&R DROPS TO L/L IN BOXING OUT. FOR LTHW F&R PIPEWORK DROPPING FROM H/L TO L/L IN BOXING OUT, THE CONTROL VALVE SHALL BE LOCATED IN VERTICAL SECTION. ACCESS PANEL REQUIRED IN BOXING OUT

STANDARD NOTES

- DO NOT SCALE FROM THIS DRAWING. CONFIRM ALL DIMENSIONS AND STRUCTURAL INFORMATION ON SITE, IF IN DOUBT ASK BEFORE ACTING.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE APPROPRIATE WBSHIELDS REPORT AND SCHEDULES.

NOTES:

- DRAWING IS BASED ON ARCHITECTURAL DRAWING 001506-ADP-03-00-DR-A-1050
- THE DESIGN INTENT AS INDICATED ON THESE SPACES ARE TO BE APPLIED TO ALL GUARD HOUSE AREAS WITHIN THE REFURBISHMENT SCOPE OF THE PROJECT. WHERE THE PROPOSED CAN NOT BE MET, THE CONTRACTOR SHOULD IDENTIFY THIS TO THE DESIGN TEAM INCLUDING ARCHITECT AND MEP CONSULTANT AND PROPOSE AN ALTERNATIVE
- REFER TO MAIN BUILDING DWG.

SYMBOLS:

- T WALL MOUNTED THERMOSTAT CONTROLLER
- C CO2 SENSOR
- RADIATOR
- ↘ PIPEWORK DROPPING POINT
- SUPPLY / EXTRACT VENTILATION GRILLE

DRAWING LINE TYPES:

- HIGH LEVEL PIPEWORK
- LOW LEVEL PIPEWORK - EITHER VISIBLE SURFACE MOUNTED OR CONCEALED WITHIN SKIRTING BOXING OUT. (REFER TO ARCHITECTS DRAWINGS FOR DETAILS)
- - - LOW LEVEL PIPEWORK - WITHIN FLOOR VOID (PIPEWORK NOT VISIBLE)

PIPEWORK TYPES:

- LTHW (HEATING) F&R PIPEWORK TO SERVE RADIATORS (RED)
- HOT WATER SUPPLY (HWS) PIPEWORK (YELLOW)
- HOT WATER RETURN (HWR) PIPEWORK (ORANGE)
- COLD WATER SUPPLY (CWS) PIPEWORK (GREEN)
- ABOVE GROUND DRAINAGE (CWS) PIPEWORK (BLUE)

ANNOTATIONS

- CWS COLD WATER SUPPLY PIPEWORK
- HWS HOT WATER SUPPLY PIPEWORK
- HWR HOT WATER RETURN PIPEWORK
- LTHW F&R HEATING SYSTEM FLOW & RETURN PIPEWORK
- F/A T/A FROM / TO ABOVE
- F/B T/B FROM / TO BELOW

P2	14/09/22	TC	FOR PLANNING	ZS	ES
P1	05/09/22	TC	PRELIMINARY	ZS	ES
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS | **FOR PLANNING**

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PROJECT | **KNELLER HALL FOR PLANNING**

TITLE | **GUARDS HOUSE MECHANICAL SERVICES DISTRIBUTION GROUND FLOOR**

DESIGNER TC	CHECKED ES
SCALE 1:50 @ A1	DRAWN TDS

DRAWING No | **P2389_50_L0_30** | REV | P2

