

EXHAUST DUCT REDUCES FROM 1200x1500 TO 750x1250 IN ORDER TO ROUTE THROUGH EXISTING DOOR OPENING.

750x1250 EXTRACT DUCT ROUTES THROUGH EXISTING DOOR. EXISTING DOORWAY OPENING TO BE MADE GOOD AND SEALED AROUND DUCTWORK.

AHU SUPPLY & EXTRACT DUCTS STACKED VERTICALLY:

TOP: 2450x1250 SUPPLY DUCT TURNS VERTICALLY

BOTTOM: 2450x1250 EXTRACT DUCT TRANSITIONS TO 750x1250 AND TURNS INTO BUILDING

LTHW F&R, CWS, HWS, HWR PIPEWORK ROUTES FROM PLANTROOM AND SERVES NEW EXTENSION AREAS

AHU - 5720L x 2800H x 2550W. INLET & OUTLET SPIGOTS - 2450W x 1250H

AHU FRESH AIR INTAKE & EXHAUST DUCTS STACKED VERTICALLY:

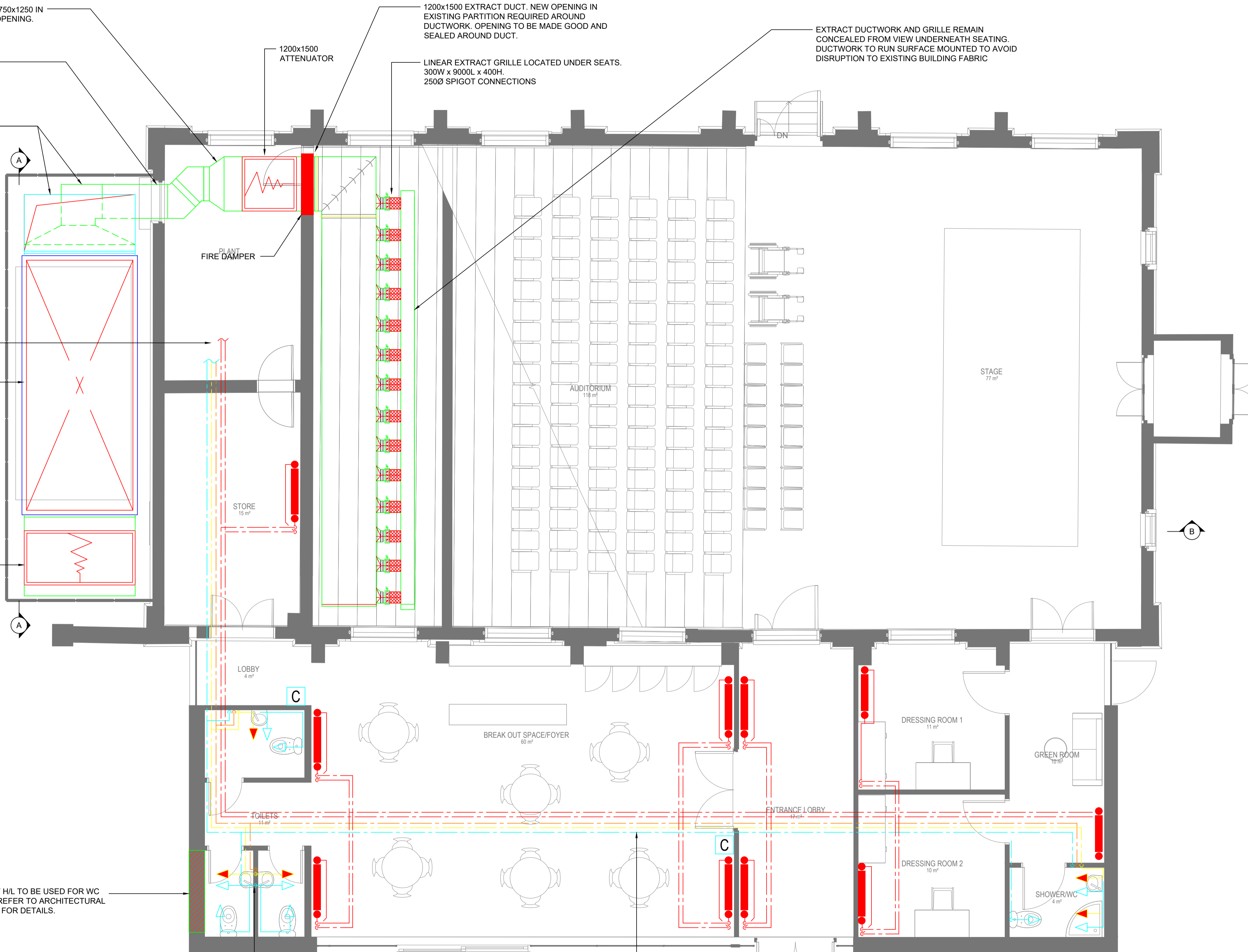
TOP: 2450x1250 EXHAUST DUCT  
BOTTOM: 2450x1250 FRESH AIR INTAKE

INTAKE & EXHAUST DUCTS TERMINATE IN BELLMOUTH c/w INSECT SCREEN. BOTH BELLMOUTHS TO BE ORIENTED AWAY FROM EACH OTHER TO MINIMISE SHORT CIRCUITING.

LOUVRE AT H/L TO BE USED FOR WC EXTRACT. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.

HWS, HWR & CWS DROP TO L/L TO SERVE WHB & WC WITHIN WALL

TOP - BOTTOM:  
• LTHW F&R ROUTES AT H/L  
• HWS, HWR & CWS ROUTES AT H/L



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-02-00-DR-A-1000

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 (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
- H/L L/L HIGH / LOW LEVEL

P3	14/09/22	ZS	FOR PLANNING	ZS	ES
P2	12/09/22	ZS	DRAFT FOR PLANNING	ZS	ES
P1	05/09/22	ZS	DRAFT FOR PLANNING	ZS	ES
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS | FOR PLANNING

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PROJECT | KNELLER HALL FOR PLANNING

TITLE | SCHOOL HALL MECHANICAL DISTRIBUTION GROUND FLOOR

DESIGNER | ZS

CHECKED | ES

SCALE | 1:50 @ A1

DRAWN | TDS

DRAWING No | P2389\_50\_L0\_20

REV | P3

