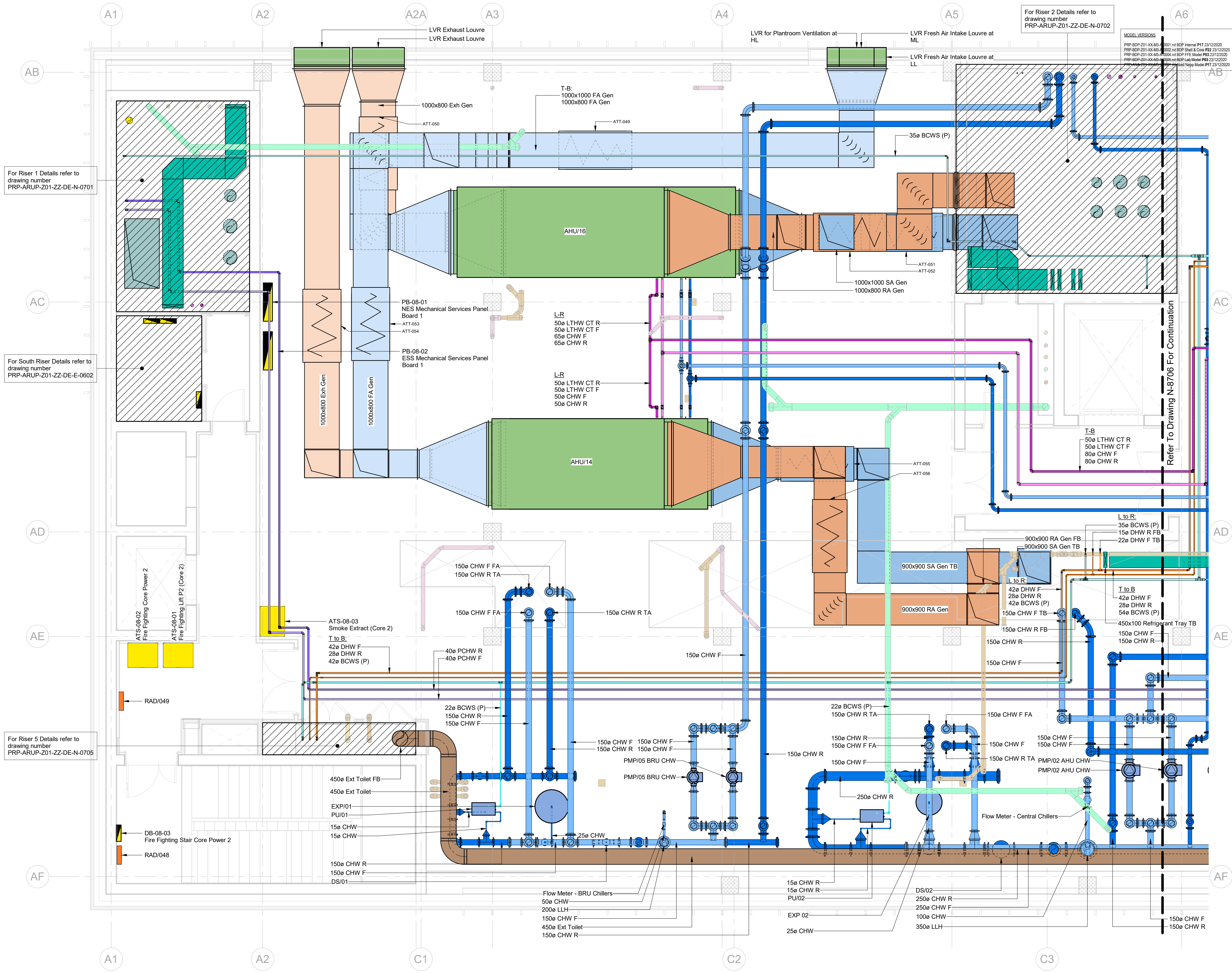




This drawing shall be read in conjunction with all other relevant Arup drawings, details, specifications and reports.

All dimensions are illustrated in mm, unless noted otherwise.

Do not scale from this drawing.

Indicates Hazard: Hazards are described in greater detail on the Arup Hazard Risk Register.

NOTES

- Refer to the following Riser Detail drawings for details of services within risers:
PRP-ARUP-Z01-ZZ-DE-N-0701
PRP-ARUP-Z01-ZZ-DE-N-0702
PRP-ARUP-Z01-ZZ-DE-N-0703
PRP-ARUP-Z01-ZZ-DE-N-0704
- Refer to the following Primary LV Distribution drawings for details of plantroom electrical services:
PRP-ARUP-Z01-00-DE-E-1505
PRP-ARUP-Z01-02-DE-E-1509
PRP-ARUP-Z01-02-DE-E-1510
PRP-ARUP-Z01-08-DE-E-1521
PRP-ARUP-Z01-08-DE-E-1522
PRP-ARUP-Z01-09-DE-E-1523
PRP-ARUP-Z01-09-DE-E-1524
- Refer to the following Arup MEP model for 3D and section takeoffs:
PRP-ARUP-Z01-ZZ-M3-N-0001 (22/01/2021)
- Above ground drainage pipework has been shown for information only. Refer to Public Health drawings for full system details.
- External services at roof level to be coordinated with free standing architectural balustrade.

LEGEND

SA Gen General supply air duct
RA Gen General return air duct
Ext Extract duct

CHW F Chilled water flow
CHW R Chilled water return

PCHW F Process chilled water flow
PCHW R Process chilled water return

LTHW CT F Low temperature hot water constant temperature flow
LTHW CT R Low temperature hot water constant temperature return

SDX Specialist direct expansion unit (Space allocation only)

NG Natural Gas
CA Compressed Air

DHWS F Domestic hot water flow
DHWS R Domestic hot water return
BCWS (P) Boosted cold water service - potable
LCWS Lab cold water service
TWS F Treated water system flow
TWS R Treated water system return
HUBT Hose union bib tap

REV	DESCRIPTION	DRW/N	CHK'D	APPR'D	DATE
P01	WS4 Issue				22/01/21

APPROVAL

Status: _____

Date: _____

Signed: _____

NOTE:
Status A - Signed off / No comment
Status B - Signed off to proceed subject to comments
Status C - Re-submit

CLIENT: **MANCHESTER CANCER RESEARCH CENTRE**

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The University of Manchester

CANCER RESEARCH UK **NHS The Christie NHS Foundation Trust**

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PROJECT TITLE: **Paterson Redevelopment Project**

DRAWING TITLE: **Mechanical Plant Room Details**

Level 08

Sheet 1

PRP-ARUP-Z01-08-DE-N-8705

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SCALE: **1:50**

DATE: **22/01/21**

REVISION: **P01**