Riser drops from above to below services that run in the riser are the following (from left to right):
Ø32mm LTHW flow and return pipework
225 x 50 refrigerant trunking
50 x 50 security trunking
150 x 75 small power trunking
150 x 50 data basket
100 x 50 fire alarm cable tray

Ø110mm SVP rises above to vent to atmosphere

Riser drops from above to below services that run in the riser are the following (from left to right):
Ø32mm LTHW flow and return pipework
225 x 50 refrigerant trunking
50 x 50 security trunking

Riser drops from above to below services that run in the riser are the following (from left to right):
Ø32mm LTHW flow and return pipework
225 x 50 refrigerant trunking
50 x 50 security trunking
150 x 75 small power trunking
150 x 50 data basket
100 x 50 fire alarm cable tray

Riser drops from above to below services that run in the riser are the following (from left to right):
225 x 50 refrigerant trunking
50 x 50 security trunking
150 x 75 small power trunking
150 x 50 data basket
100 x 50 fire alarm cable tray

Refrigerant tray runs at HL from VRV plantroom to drop in riser

Riser drops from above to below services that run in the riser are the following (from top to bottom):
Ø110mm SVP
Ø32mm LTHW flow and return pipework
225 x 50 refrigerant trunking
50 x 50 security trunking
150 x 75 small power trunking
150 x 50 data basket
100 x 50 fire alarm cable tray
BCWS, DHW F & R pipework

Riser drops from above to below services that run in the riser are the following (from left to right):
Ø32mm LTHW flow and return pipework
225 x 50 refrigerant trunking
50 x 50 security trunking
150 x 75 small power trunking
150 x 50 data basket
100 x 50 fire alarm cable tray

Riser drops from above to below services that run in the riser are the following (from top to bottom):
Ø32mm LTHW flow and return pipework
225 x 50 refrigerant trunking
Ø32mm LTHW flow and return pipework

Riser rises to above, services that run in the riser are the following (from top to bottom):
Ø32mm LTHW flow and return pipework
225 x 50 refrigerant trunking
50 x 50 security trunking
150 x 75 small power trunking
150 x 50 data basket
100 x 50 fire alarm cable tray

Riser drops from above to below services that run in the riser are the following (from left to right):
100 x 50 fire alarm cable tray
150 x 50 data basket
150 x 75 small power trunking
50 x 50 security trunking
225 x 50 refrigerant trunking
Ø32mm LTHW flow and return pipework

For details on the VRV Plantroom see drawing M-8321.

Riser offsets at LL and drops from above to below, services that run in the riser are the following (from left to right):
150 x 75 small power trunking
150 x 50 data basket
100 x 50 fire alarm cable tray

Ø32mm LTHW flow and return pipework runs within riser

Ø110mm SVP drops from above and runs to below.

Ø110mm SVP drops from above and runs to below.

Ø110mm SVP drops from above and runs across at HL

Ø110mm SVP drops from above and runs at HL

BCWS, DHW F & R branches from riser at HL to supply WC's

BCWS branches off at HL from the riser to supply toilets

Riser offsets at LL and drops from above to below, services that run in the riser are the following (from top to bottom):
50 x 50 security trunking
150 x 75 small power trunking
150 x 50 data basket
100 x 50 fire alarm cable tray

BCWS & SVP run from above to below

Refrigerant tray runs within riser

KEY PLAN

NOTES

1. All dimensions are to be checked on site before the commencement of works. Any discrepancies are to be reported to the Architect & Engineer for verification. Figured dimensions only are to be taken from this drawing.
2. This drawing is to be read in conjunction with all relevant engineers' and service engineers' drawings and specifications. This drawing is copyright.

- Cooling Plant
- Data Basket
- Fire Alarm Cable Tray
- Small Power Trunking
- Security Trunking
- Refrigerant Pipe Tray
- Low Temp. Water Constant Temp. Flow - LTHW F
- Low Temp. Water Constant Temp. Return - LTHW R
- Domestic Hot Water Flow - DHW F
- Domestic Hot Water Return - DHW R
- Boosted Cold Water - BCWS
- Sanitation - FW - Foul Water
- Sanitation - SVP - Soil Vent Pipe
- Fresh Air - General
- Supply Air - General
- Return Air - General
- Exhaust Air - General

REVISIONS

P02	SUITABLE FOR INFORMATION					
S2	IF	22/05/20	MH	22/05/20	MH	22/05/20
P01	SUITABLE FOR INFORMATION					
S2	JT	07/05/20	AB	07/05/20	MH	07/05/20
REV	REVISION NOTES/COMMENTS					
STA.	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE

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CLIENT
Birkbeck

PROJECT
Birkbeck, Gordon Square

TITLE
Mechanical and Electrical Services
Riser + Plantroom Location Drawing
Second Floor
-

HYDROCK PROJECT NO.	SCALE @ A1
C-14299	1 : 100

STATUS DESCRIPTION	STATUS
SUITABLE FOR INFORMATION	S2

DRAWING NO.	REVISION
14299-HYD-XX-02-DR-ME-7030	P02

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