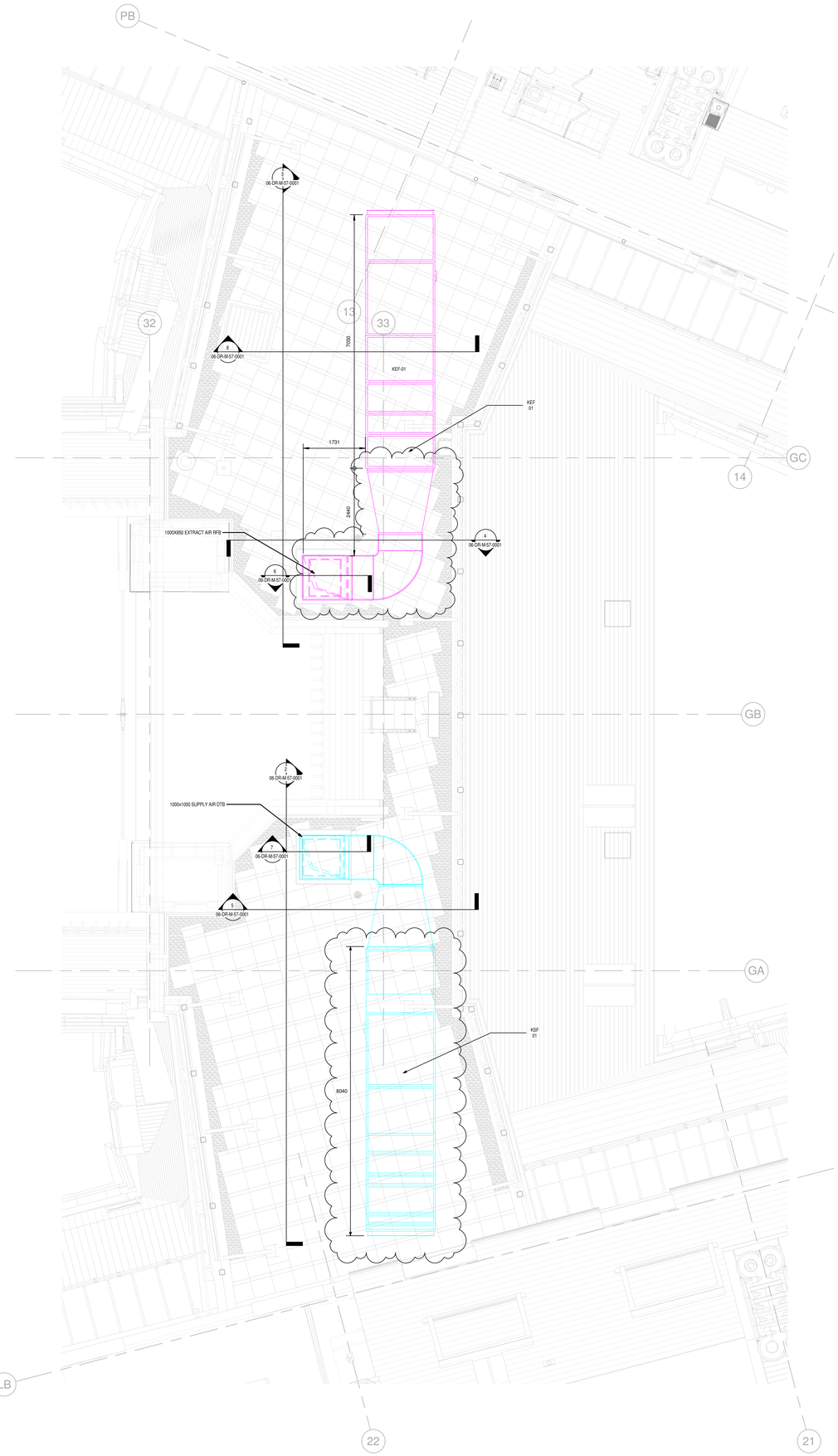
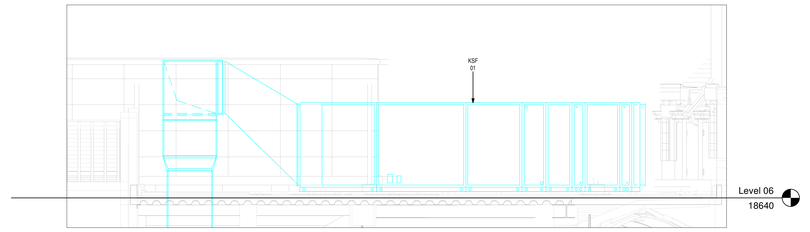
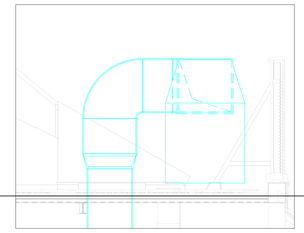
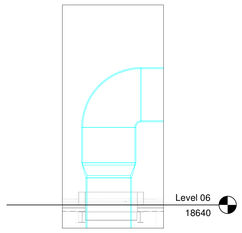




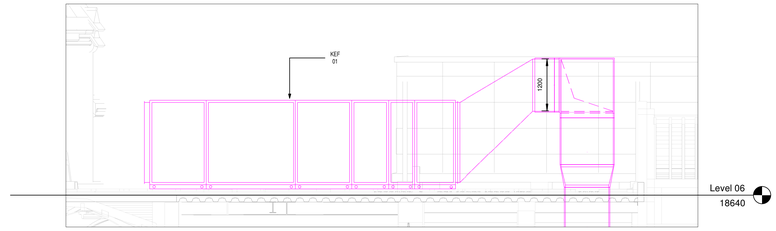
2 (57) Roof Section (East) 1
1 : 50



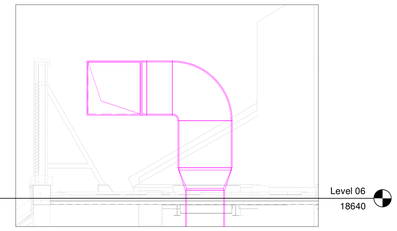
5 (57) Roof Section (North)
1 : 50



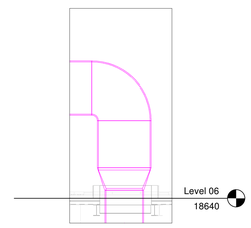
7 (57) Roof Section (North) 2
1 : 50



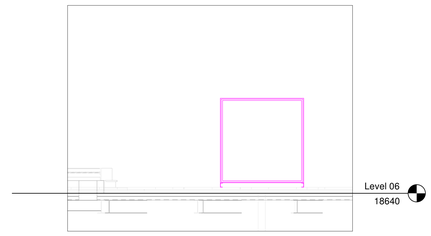
3 (57) Roof Section (East) 2
1 : 50



4 (57) Roof Section (South)
1 : 50



6 (57) Roof Section (South) 2
1 : 50



8 (57) Roof Section (North) 3
1 : 50

HK-N-50-General Notes

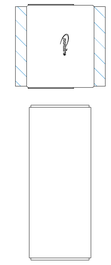
1 THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT PROJECT DRAWINGS AND INFORMATION FROM THE WHOLE PROJECT TEAM AS AVAILABLE ON ACONEX. THIS IS INCLUSIVE OF, BUT NOT LIMITED TO, ALL AVAILABLE 3D REVIT MODEL INFORMATION FROM HULLEY & KIRKWOOD, TAYLOR DESIGN, PURCELL, RAMBOLL AND ARUP.
2 ALL ELECTRICAL INSTALLATION WORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH BS 7671 INCORPORATING AMENDMENTS.
3 THE CONTRACTOR SHALL ALLOW FOR DISJOINTED WORKS INVOLVED WITH THE PROJECT IN REGARD TO COORDINATION WITH ALL OTHER TRADES.
4 ALL MECHANICAL INSTALLATIONS TO BE UNDERTAKEN IN ACCORDANCE WITH THE PRINCIPAL CONTRACTORS PROGRAMME OF WORKS.
5 FINAL POSITIONS OF ALL EQUIPMENT SHALL BE AS PER THE SETTING OUT IN ACCORDANCE WITH THE ARCHITECTURAL INFORMATION.
6 ALL BMS CONTROLS, MECHANICAL CONTROL PANELS AND TESTING AND COMMISSIONING OF THE AUTOMATIC CONTROLS BY OTHERS. THE CONTRACTOR SHALL ALLOW FOR ALL REQUIRED LIAISON/COORDINATION WITH THE AUTOMATIC CONTROLS SPECIALIST AS PART OF THEIR WORKS TO ACCOMMODATE THE SETTING TO WORK OF ALL RESPECTIVE EQUIPMENT AND PLANT. FINAL INSTALLATIONS TO BE IN ACCORDANCE WITH THE ARUP PROJECT SPECIFICATION(S).
7 THE CONTRACTOR SHALL UNDERTAKE ALL WORKS IN ACCORDANCE WITH THE ARUP PROJECT SPECIFICATION(S). IF NOT PROVIDED AT THE TIME OF TENDER, THE CONTRACTOR SHALL REQUEST SAID DOCUMENT(S) AND ENSURE THEIR TENDER COMPLIES FULLY WITH THE OUTLINED REQUIREMENTS.
8 ALL INSTALLATIONS SHALL BE IN FULL ACCORDANCE WITH THE PROJECT ACOUSTIC REPORT.
9 ALL INSTALLATIONS SHALL BE IN FULL ACCORDANCE WITH THE PROJECT FIRE ENGINEERING REPORT.
10 THIS DRAWING IS DIAGRAMATIC ONLY AND SHOWS DESIGN INTENT. THE MECHANICAL SERVICES CONTRACTOR SHALL PROVIDE WORKING DRAWINGS FOR FINAL APPROVAL BY THE ARCHITECT PRIOR TO INSTALLATION, ALLOWING SUFFICIENT TIME FOR REVIEW AND COMMENT. AS NECESSARY, SUCH THAT IT DOES NOT IMPACT UPON THE PRINCIPAL CONTRACTORS PROGRAMME OF WORKS.
11 THE CONTRACTOR SHALL CONFIRM THEIR BUILDERSWORK REQUIREMENTS TO THE PRINCIPAL CONTRACTOR, ALLOWING SUFFICIENT TIME FOR THE WORKS TO BE UNDERTAKEN SUCH THAT IT DOES NOT IMPACT UPON THE PRINCIPAL CONTRACTORS PROGRAMME OF WORKS.

HK-N-57-Ventilation Notes

1 ALL DUCTWORK AND ANCILLARIES ARE TO BE INSTALLED IN FULL ACCORDANCE WITH BESA SPECIFICATIONS DW/144 AND DW/172.
2 ALL PLANT REFERENCES ARE INDIVIDUAL TO THE SPECIFIC ITEM OF PLANT.
3 ALL DUCTWORK SHALL BE INDEPENDANTLY SUPPORTED AS DETAILED WITHIN THE ARUP PROJECT SPECIFICATION(S).
4 THE CONTRACTOR SHALL PROVIDE FIRE DAMPERS AND MOTORISED SMOKE AND FIRE DAMPERS TO MATCH THE ARCHITECTS COMPARTMENTATION LINES.
5 FIRE COMPARTMENTATION NOT CONFIRMED AT TIME OF DRAWING ISSUE. EXACT REQUIREMENTS FOR FIRE/MOTORISED SMOKE AND FIRE DAMPERS TO BE CONFIRMED WITH THE FIRE ENGINEER AND ARCHITECT.
6 ACCESS DOORS SHALL BE INSTALLED AT ALL FIRE DAMPERS AND VOLUME CONTROL DAMPERS AND IN FULL ACCORDANCE WITH BESA DW/172 AND BSRIA TR19.
7 FLEXIBLE DUCTWORK SHALL NOT EXCEED 600MM IN LENGTH IN THE EXXTENDED POSITION.
8 FLEXIBLE DUCTWORK SHALL NOT BE USED TO FORM 90° BENDS OR OFFSETS.
9 THE CONTRACTOR SHALL ALLOW FOR INSULATION OF THE DUCTWORK IN ACCORDANCE WITH THE ARUP PROJECT SPECIFICATION(S).
13 THE CONTRACTOR SHALL ALLOW FOR THE COMMISSIONING AND TESTING OF THE INSTALLATIONS IN ACCORDANCE WITH BSRIA BG 49/2013 AND CIBSE COMMISSIONING CODE A.
14 ALL GRILLES AND DIFFUSERS TO HAVE SIDE ENTRY PLENUMS UNLESS OTHERWISE STATED.
15 CONTRACTOR TO REFER TO REFLECTED CEILING PLAN FOR FINAL EQUIPMENT LOCATIONS.
16 GRILLES AND PLENUM BOXES SHALL BE SUPPORTED AS PER THE REQUIREMENTS OF THE ARUP PROJECT SPECIFICATION(S).
17 MAIN KITCHEN CANOPIES SHALL INCORPORATE AN ANSUL FIRE SUPRESSION SYSTEM C/W LINK TO BMS OUTPUT AND FIRE ALARM INTERFACE.
18 ALL SERVICES SHOWN ON THIS DRAWING INCLUDING PIPEWORK SUPPORT BRACKETS AND SECONDARY STEELWORK SHALL BE PROVIDED BY THE MECHANICAL SERVICES CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE. INSTALLATIONS TO BE IN FULL ACCORDANCE WITH THE ARUP PROJECT SPECIFICATION(S).
19 FINAL KITCHEN SUPPLY AND EXTRACT FAN SELECTIONS ARE SUBJECT TO FINAL APPROVAL FROM BUILDING CONTROL OFFICER TO DERROGATION AGAINST BUILDING REGULATIONS APPROVED DOCUMENT PART L SPECIFIC FAN POWERS.

LEGEND

- VOLUME CONTROL DAMPER
- SUPPLY DIFFUSER/EXTRACT GRILLE
- RTA RISE TO ABOVE
- RFB RISE FROM BELOW
- DFA DROP FROM ABOVE
- DTB DROP TO BELOW



MECHANICAL VENTILATION HEAT RECOVERY UNIT (INCLUDING ACCESS CLEARANCE)

02/02/2024	KITCHEN SUPPLY AHU DIMENSIONS UPDATED, FIRE RESISTING DUCTWORK REMOVED	C02	S Miah
26/06/2023	RISER 32/34 DUCTWORK AND FIRE DAMPER UPDATED, FIRE RESISTANT DUCTWORK INDICATED	C01	S Miah
02/08/2021	UPDATED IN LINE WITH CLASH REPORTS & COMMENTS	P05	J Staley
23/04/2021	ISSUED FOR TENDER	P04	J Staley
05/11/2020	ISSUED FOR WORK STAGE 5	P03	D Piercy
30/08/2019	ISSUE FOR TENDER	P02	S Lu
23/08/2019	ISSUE FOR COMMENT	P01	S Lu
Date	Revision Description	Rev.	By

Revision Description

Manchester Office

2 Commercial Street
Castlefield
Manchester
M15 4RQ

T: 0161 832 2030
E: hk.manchester@hulley.co.uk

hulley & kirkwood consulting engineers

...Making Buildings Work

Project:
Manchester Town Hall Catering Works

Drawing Title:
VENTILATION LAYOUT LEVEL 06 (ROOF) SHEET 1 OF 2

Drawing Number:
OTH-HAK-TH-06-DWG-V-5701

Revision:	C02	**Rev Date:**	02/02/2024
Scale:	1 : 50		
Drawn By:	S Lu	**Checked By:**	R Beagan
		Approved By:	R Beagan
Arch Rev:	-		
Struct Rev:	-		

Issue Status:
CONSTRUCTION

A0