

Notes

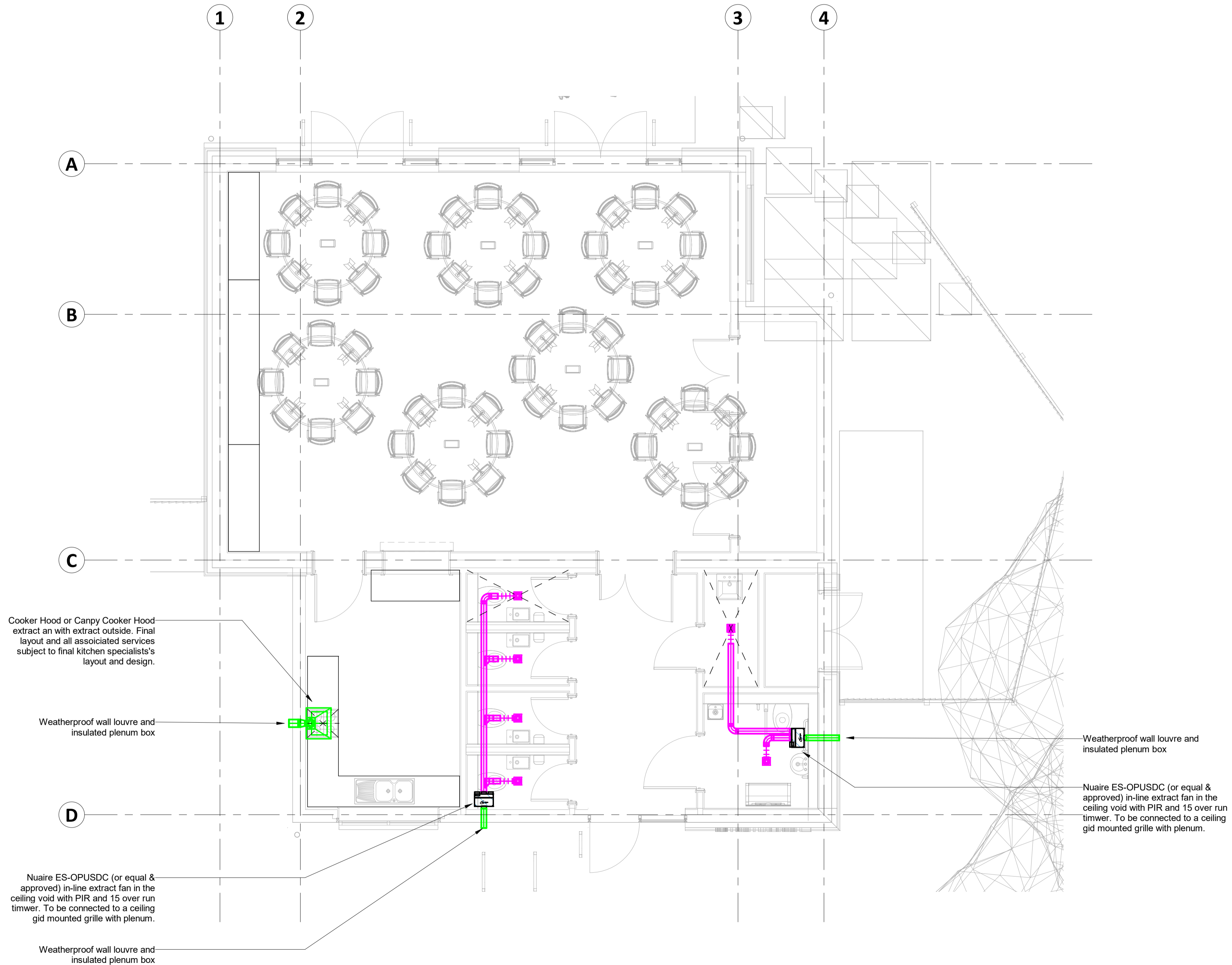
1. This drawing is to be read in conjunction with all the relevant contract documentation.
2. All dimensions are in mm unless otherwise stated. Dimensions to be checked on site prior to construction and any discrepancies reported to the Rolton Group Engineer.
3. Only drawings that indicate CONSTRUCTION as the issue purpose should be used for construction.
4. Any CONSTRUCTION status issue does not provide or imply approval or validation of any third party information.
5. Revision clouds are shown for assistance only, the whole drawing is to be checked for new/ amended information.
6. Not all hatches and linetypes shown on legends and keys may be present on this drawing. Drawings to be printed in colour by default, typical material colours are for clarity only.
7. All services are new unless stated otherwise.
8. All ductwork to be DW/144 class B with galvanised mild steel ductwork unless stated otherwise.
9. All fans to be fitted on spring anti vibration mounts or suspended from spring hangers.
10. All fans to have infinitely variable speed controls.
11. All filters to have DPS with pressure gauge visible at filter and remote warning lamp visible to end users.
12. All heat recovery ventilation units to be fitted with copper or stainless steel condensate drains.
13. All fire dampers to be complete with building frame, access panels both sides of damper, and fire rated ductwork supports & drop rods to ensure collapsing ductwork puts no trains or loads on fire damper.
14. All toilet extract fans shall have 15 minute overrun with PIR control activation.
14. Mechanical supply and extract ventilation plant shall be provided with motors to be minimum efficiency of IE4 controlled by variable speed (inverter) drives, controlled to maintain constant pressure in duct.
15. All ductwork shall be insulated to BS 5422 to prevent heat losses and condensation formation on surfaces.
16. All ducts shall be fitted with direction service labels to BS 1710 specification for identification of pipelines and services, with a maximum spacing of 3 metres for services.
17. Contractor to allow for the addition of fire dampers at crossings of walls/floors and corridors where required in line with architects latest fire strategy drawings.
16. All windows where mechanical ventilation with heat recovery is not used shall be openable to allow for natural ventilation.

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Standard construction hazards that a competent contractor would be aware of have not been identified on this drawing. Risks that may not be immediately apparent are listed below.

Status	Date	Description	Dwn	Eng	Chkd	Veri
D2-P01	12.03.21	Issued for Tender	GZv	GZv	IN	IN
D2-P02	19.03.21	Hall HVAC amended	GZv	GZv	CW	CW
D2-P03	01.08.22	Revised Tender Issue	TC	TC	IN	IN



	Ceiling grid extract grille		Ceiling mounted indoor air conditioning unit
	Ceiling void mounted in-line extract fan		Cooker hood extract via outside
	Exhaust/Extract ductwork		
	Supply ductwork		

This drawing and the information contained herein are indicative and to be used by the contractor to assess the scope of works relating. The responsibility for the design, coordination and installation remains with the contractor.



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Project:
**Heelands Community Centre,
Milton Keynes - upto RIBA Stage
3 (Performance Design)**

Drawing title:
**Mechanical Building Services
Ventilation/Air Conditioning
Ground Floor**

RGL Project Ref: 20-0427 | Scale@A1: 1:50 | Scale@A3: 1:100
Specification(s):
200427-RGL-ZZ-XX-SP-U-95-0001

Drawing Number:
200427-RGL-ZZ-GF-DR-M-55-0001
Project-Originator-Zone-Level-Type-Role-Classification-Number
Issue Purpose:
TENDER | Status:
D2-P03
Suitability-Revision