

Former Holloway Prison

Ventilation and Extraction Statement



Kitchen unit ventilation and extraction statement summary.

1. Summary

The proposed Holloway Prison development includes flexible Class E commercial space to Plots B and C that could come forward for uses (such as restaurant) which require a ventilation and extraction system.

The Women's Building has also been designed to ensure flexibility for potential future occupiers and could therefore also include the provision of uses (such as kitchen) which will also require a ventilation and extraction system.

As such the design of the relevant commercial space and the Women's Building have been future-proofed with a space allowance to include for kitchen discharge with roof top dispersal. Provision has been made for an extract duct to run from the kitchen facility to the top of the proposed building with plant space allocation provided at roof level. This will comply with the Local Authority planning conditions and the *Heating & Ventilating Contractor's Association DW172 Specification for Ventilation Systems* standard for kitchen extract systems.

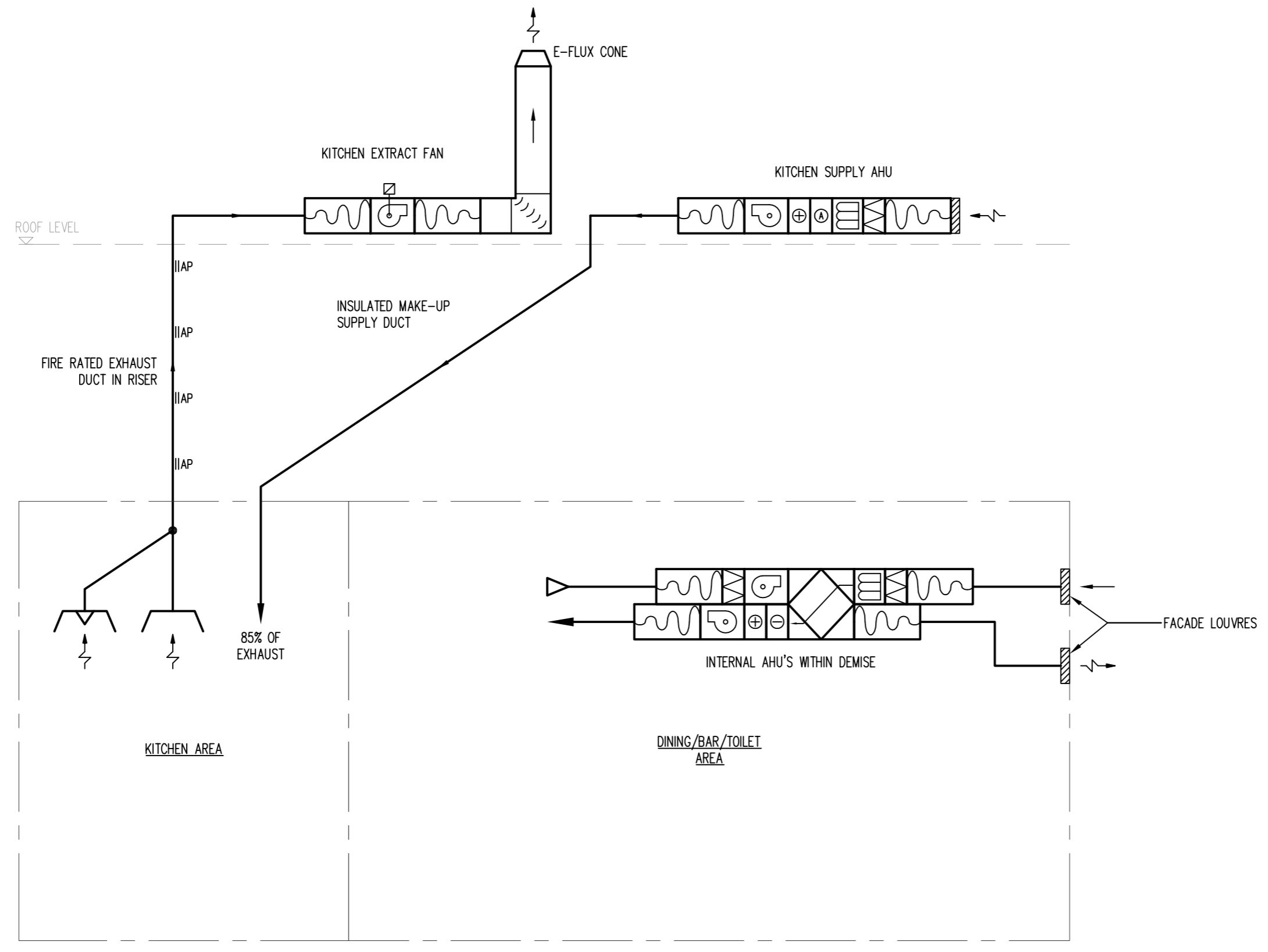
2. System overview

In accordance with industry guidance the kitchen will have an extract canopy located within the demise which will be connected to a duct rising above roof level of the proposed building where it will discharge to atmosphere via a roof mounted fan. Discharge terminal positions will be a minimum of 1.0 m above the roof level and the air-stream will exit via a high velocity nozzle at not less than 15 m/s.

Once the plume enters the turbulent boundary layer condition above the development the distance between the discharge position and the closest adjoining property will allow for satisfactory dilution of the exhaust plume.

The positioning of the space allowance for the ventilation and extraction equipment has been considered as part of a comprehensive approach to the structural design and the provision of other mechanical and electrical services to ensure the most efficient layout of equipment.

This drawing shall not be scaled.
Work from the dimensions shown in the drawing or given in relevant specifications



COMMERCIAL UNIT LAYOUT INDICATIVE
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In addition to any information included in this drawing or the model from which it is derived, refer also to the project CDM Risk Register for information on residual risks'

- General Notes:**
- The drawing does not necessarily show all the information needed to interpret the design intent or the construction details.
 - The drawing contains information from more than one source and must be read in conjunction with all relevant specifications.
 - Any apparent drafting errors and differences between other drawings and specifications shall be brought to our attention.

Project Notes:

Index	Description	Designed	Reviewed	Authorised	Date

REVISIONS:



ARCHITECT:
ALLFORD HALL MONAGHAN MORRIS

CLIENT:
PEABODY

PROJECT TITLE:
PROJECT HOLLOWAY

DRAWING TITLE:
MECHANICAL SERVICES
TYPICAL COMMERCIAL UNIT VENTILATION FIT OUT
SCHEMATIC

PERSON RESPONSIBLE FOR:

Design:	Review:	Authorising Issue:
DJC	NB	RE

Project No:	Date:	Scale @ A2:
0710168	AUG 2021	NTS

DRAWING NUMBER:	Revision:

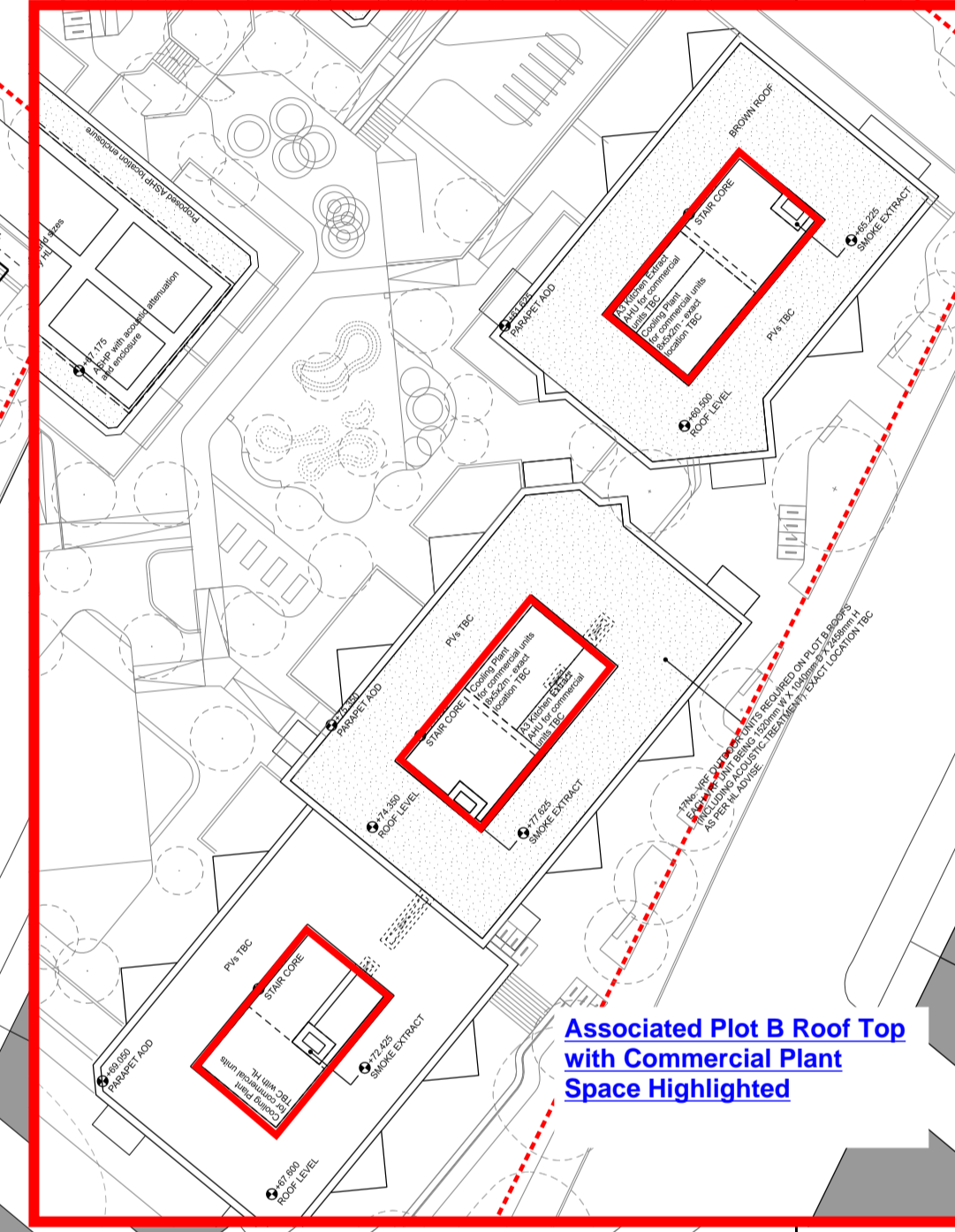
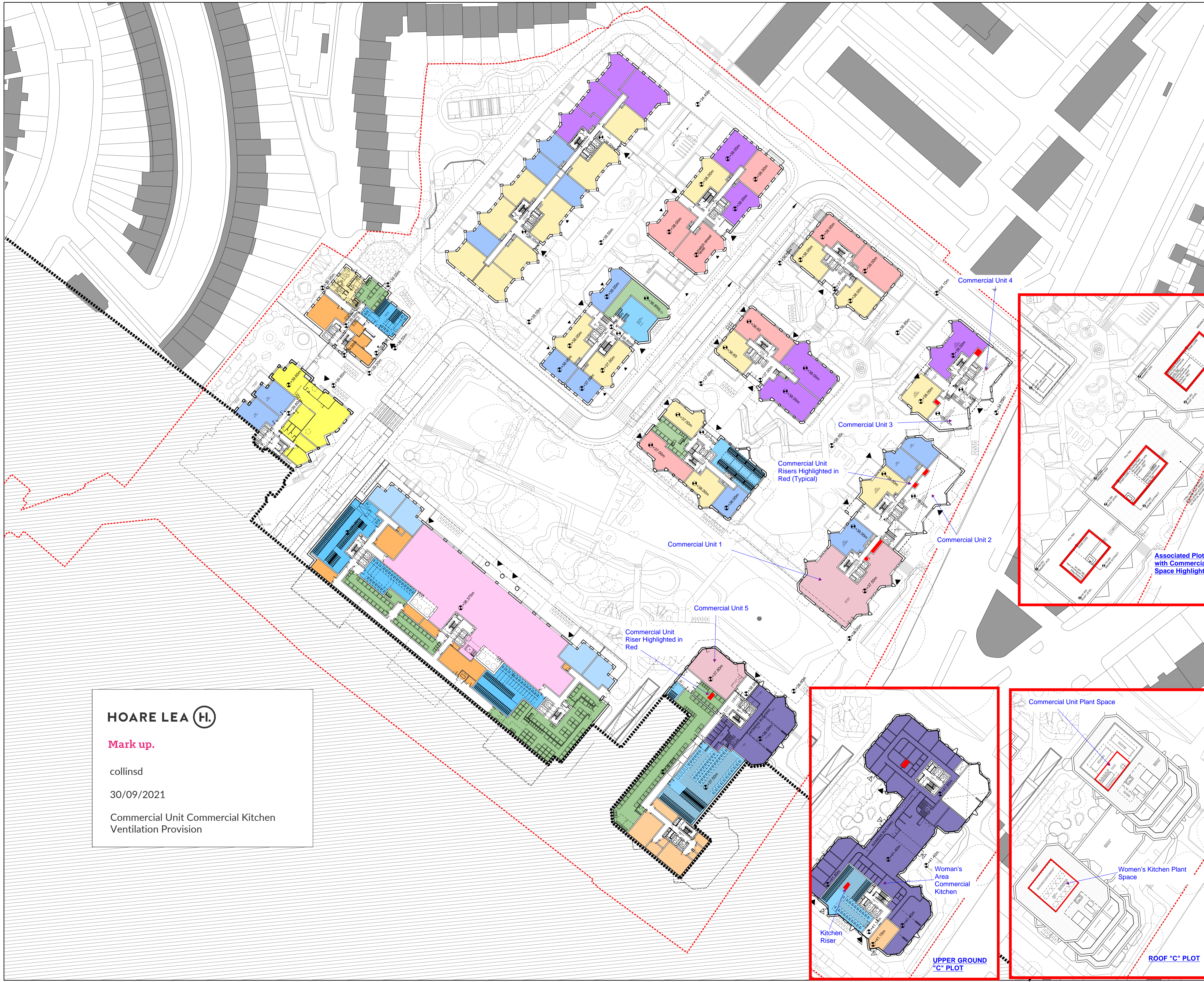
KEY

1 BED	CYCLE STORE
2 BED	EXTRA-CARE
3 BED	AFFORDABLE TENURE
4 BED	MARKET TENURE
WOMENS CENTER	ROOF PRIVATE TERRACE
REFUSE STORE	SITE BOUNDARY
COMMERCIAL	
MEP	
HEAT PUMPS	

0 1m 2m 5m 10m

LANDSCAPE AND PUBLIC REALM INDICATIVE. REFER TO LANDSCAPE ARCHITECT INFORMATION.

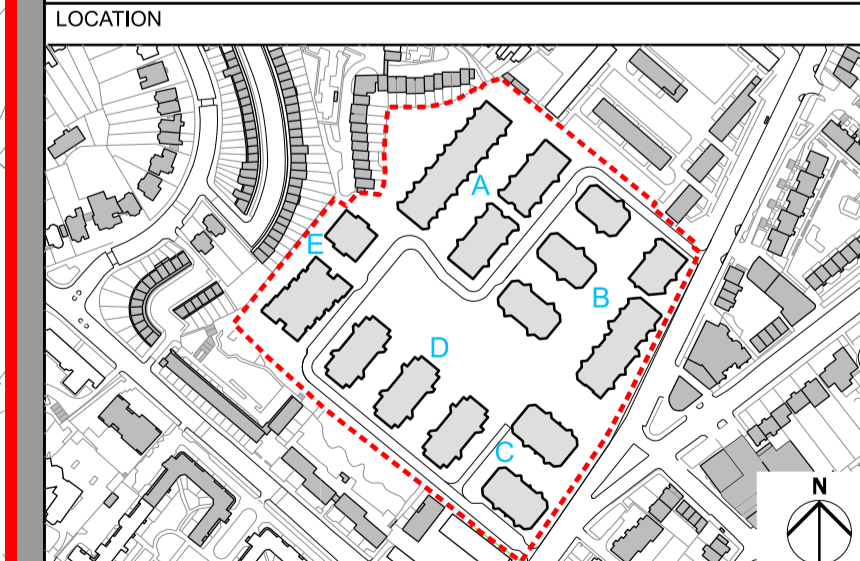
ROAD LAYOUT IS INDICATIVE AND TO BE CO-ORDINATED



DESIGN FREEZE 1
 INFORMATION
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PROJECT HOLLOWAY			
drawing title / location			
MASTERPLAN			
UPPER GROUND FLOOR			
drawn by	checked	scale	status
AC	LL	1:500@A1; 1:1000@A3	INFORMATION
project	zone	source	classification drawing no. revision
17105	0	-	(00)_118 G

HOARE LEA (H.)

Mark up.

collinsd

30/09/2021

Commercial Unit Commercial Kitchen Ventilation Provision

