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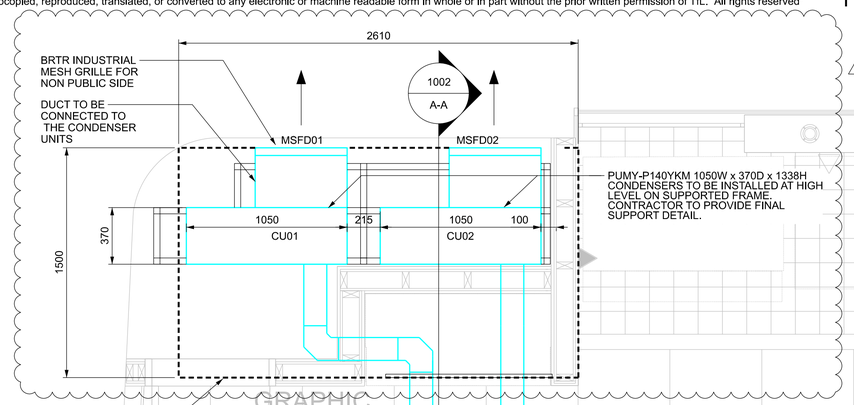
ABBREVIATIONS

FD	FIRE DAMPER
LV	LOUVRE
EG	EXTRACT GRILLE
SG	SUPPLY GRILLE
RG	RETURN GRILLE
EF	EXTRACT FAN
CU	COOLINGUNIT OUTDOOR UNIT
CCU	COMFORT COOLING UNIT INDOOR UNIT
ATT	ATTENUATOR
VCD	VOLUME CONTROL DAMPER
DC	DOOR UNDERCUT

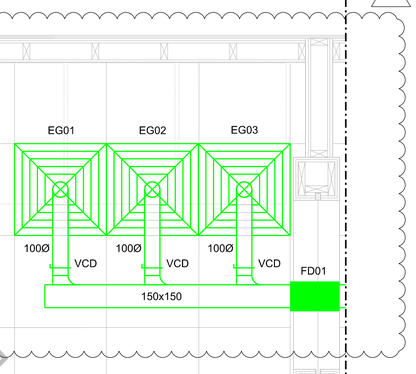
LEGEND

- SUPPLY DUCTWORK
- EXTRACT DUCTWORK
- WC AND OFFICE EXTRACT DUCTWORK
- REFRIGERANT PIPEWORK



PUMY-P140YKM 1050W x 370D x 1338H CONDENSERS TO BE INSTALLED AT HIGH LEVEL ON SUPPORTED FRAME. CONTRACTOR TO PROVIDE FINAL SUPPORT DETAIL.

P06



FULL LOUVRE DOOR TO BE PROVIDED

CCU01 PEFY-P140VMHS-E MITSUBISHI, DUCTED FCU TOTAL COOLING 13.32kW TOTAL HEATING 14.6kW 1196W x 900D x 380H

INTAKE AIR

REFRIGERANT PIPEWORK AND CONTROL CABLING ON 150mm GALVANISED STEEL TRAY RUN IN CEILING VOID TO SERVE CCU01

SG01 RG01 RG02 SG02

VCD 250Ø

CCU01

SG03 SG05 RG04 RG03 SG04

FD02 FD03

FOR CONTINUATION REFER TO DRAWING No. 538-AHC-MEC-N123_1-DR-W-1001

REFRIGERANT PIPEWORK AND CONTROL CABLING ON 150mm GALVANISED STEEL TRAY RUN IN CEILING VOID TO SERVE CCU02

100x100 WC EXHAUST DUCTWORK RUN CEILING VOID

150x100 OFFICE EXHAUST DUCTWORK RUN CEILING VOID

CCU01 - PAR-41MAA (606129) CONTROLLER

OVER DOOR AIR CURTAIN RO1000E240 1050W x 446D x 259H WHITE (9016) 230V BY JS AIR CURTAINS

LV01

300x150x100 WC EXHAUST PLENUM TO BE CONNECTED TO LOUVRE

GRAPHIC 1 GRAPHIC 1 GRAPHIC 2 GRAPHIC 3 GRAPHIC 4 GRAPHIC 5 GRAPHIC 6 GRAPHIC 7 GRAPHIC 8

P.I.R 42" TV

CONSTRUCTION RISKS	MAINTENANCE / CLEANING RISKS	DEMOLITION / ADAPTATION RISKS
In addition to the hazard/risks normally associated with the type of works detailed on this drawing take note of the above It is assumed that all works on this drawing will be carried out by a competent contractor working where appropriate, to an appropriate method statement		

SAFETY HEALTH AND ENVIRONMENTAL INFORMATION BOX

NOTES:

1. THIS DRAWING SHOULD BE IN CONJUNCTION WITH CONCEPTUAL DESIGN STATEMENT 538-CDS-MECH-001
2. ALL GRILLES TO BE 600x600mm UNLESS STATED OTHERWISE.
3. NEW INSTALLATIONS IN CEILING VOID TO BE COORDINATED WITH EXISTING SERVICES.
4. FINAL GRILLE POSITIONS TO BE COORDINATED WITH NEW CEILING LAYOUT.
5. POWER SUPPLIES TO COMFORT COOLING AND VENTILATION SYSTEMS TO BE PROVIDED BY ELECTRICAL CONTRACTOR.
6. BAKING AREA EXTRACT VENTILATION DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH DW172, DW144 AND TR19.
7. CANOPY DUCTWORK INSTALLATION TO BE IN ACCORDANCE WITH DW172
8. ALL SERVICES PENETRATIONS TO BE IN ACCORDANCE WITH LU FIRE STOPPING STANDARDS.
9. ALL SERVICES SHALL BE INSTALLED ON UNISTRUT SYSTEM.
10. ANY DRILLING TO ANY STRUCTURAL WILL REQUIRE LU PERMISSIONS.
11. CONTRACTOR TO ASSES OR SURVEY THE SERVICES ROUTES BEFORE ANY INSTALLATIONS TAKE PLACE.
12. BSK 4 FIRE DAMPER 90 MINUTE RATING

TFL RESTRICTED

REV						
P06	PLANTROOM RE-COORDINATED					
	B.GREEN	09/02/2024	P.OCBAZION	09/02/2024	H.AUGUSTUS	09/02/2024
P05	PLANTROOM RELOCATED					
	A.FALASCA	20/11/2023	P.OCBAZION	20/11/2023	H.AUGUSTUS	20/11/2023
P04	COMMENTS INCORPORATED					
	A.FALASCA	20/10/2023	P.OCBAZION	20/10/2023	H.AUGUSTUS	20/10/2023
P03	EQUIPMENT REFRENCES UPDATED					
	A.FALASCA	31/07/2023	P.OCBAZION	31/07/2023	H.AUGUSTUS	31/07/2023
P02	VENTILATION AND REFRIGERANT TRAY AMENDED					
	A.FALASCA	18/07/2023	P.OCBAZION	18/07/2023	H.AUGUSTUS	18/07/2023
P01	FIRST ISSUE					
	J.MACKINTOSH	26/04/2023	P.OCBAZION	26/04/2023	H.AUGUSTUS	26/04/2023
	PURPOSE					
	CREATED BY	DATE	APPROVED BY	DATE	AUTHORISED BY	DATE

PROJECT: KINGS CROSS STATION GREGGS

LOCATION: KINGS CROSS STATION

ASSET CLASSIFICATION: MECHANICAL

OWNER: AUGUSTUS HAM

TITLE: COMFORT COOLING & VENTILATION CEILING VOID LAYOUT SHEET 1 OF 2

Transport for London London Underground

SUITABILITY	PURPOSE OF ISSUE
S0	FOR INFORMATION

DRAWING NUMBER	REV.
538-AHC-MEC-N123_1-DR-W-1000	P06