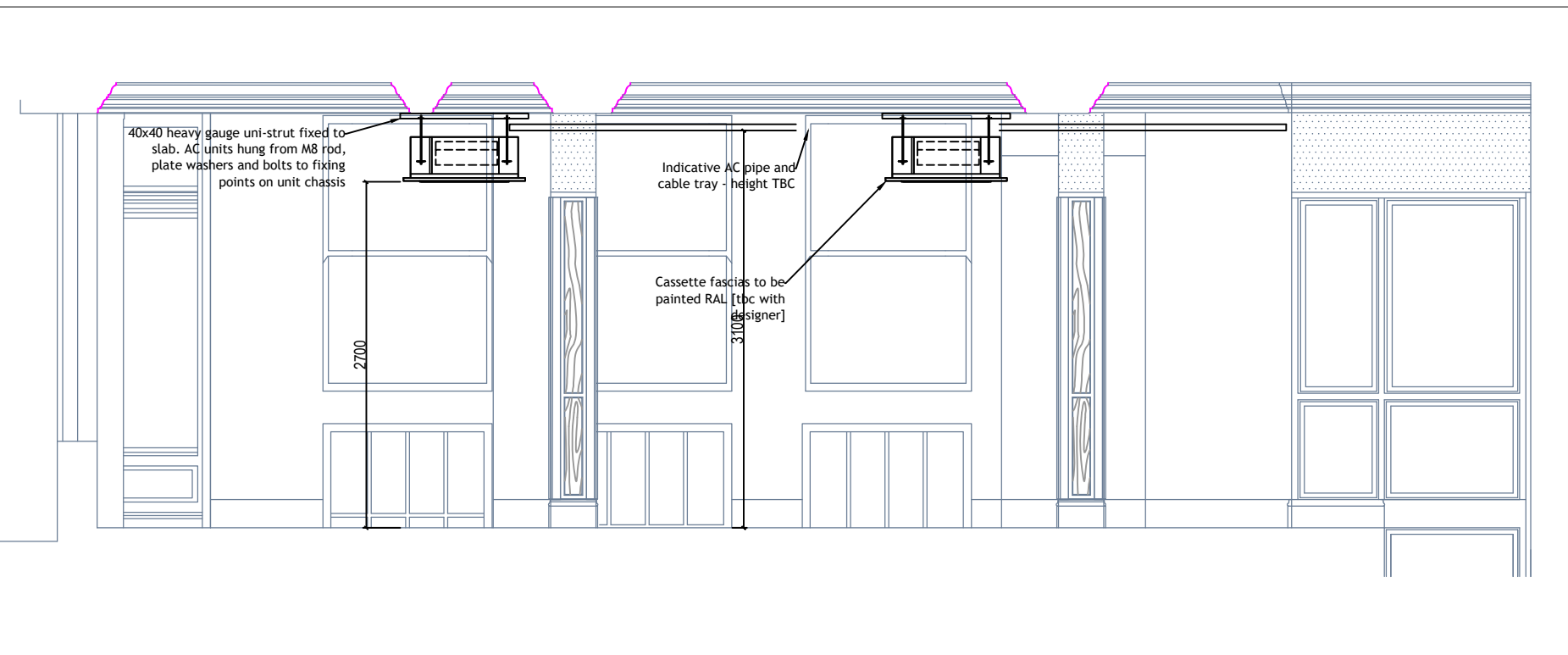
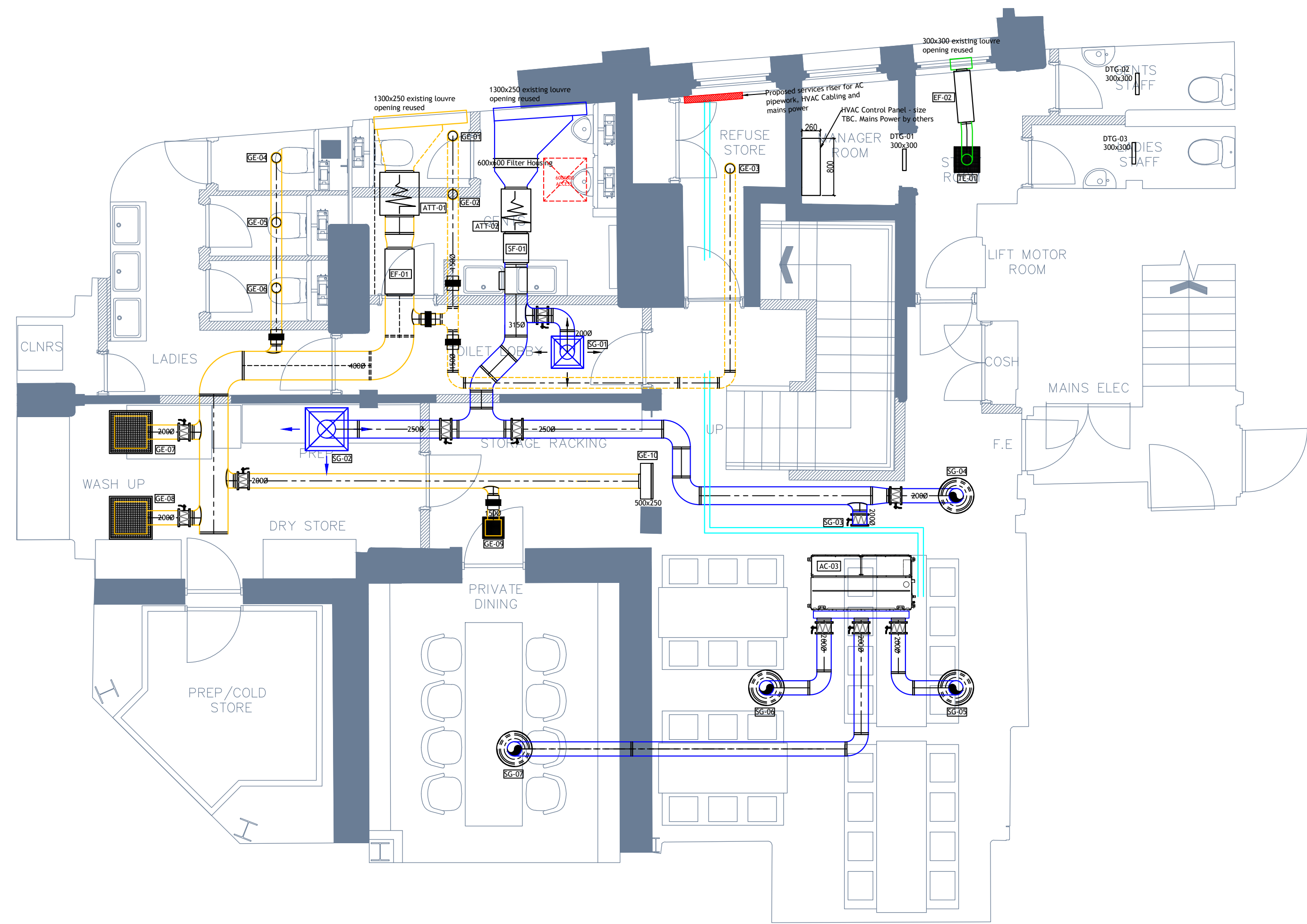




Grille Schedule					
Reference	Type	Size [neck mm]	Location	Duty [f/s]	Finish
SG-01	4 Way Diffuser	300x300	WC Lobby Supply	55	tbc
SG-02	3 Way Diffuser	595x595 [A] [tile]	Prep Supply	150	White
SG-03	Bellmouth	250x54	Rear Basement AC	105	N/A
SG-04	Circular Multicone	200x54	Basement Supply	100	tbc - side entry circular plenum
SG-05 - SG-07	Circular Multicone	200x54	Basement Supply	190	tbc - side entry circular plenum
GE-01 - GE-02	Air Valve	150x54	Gents Extract	10	tbc
GE-03	Air Valve	150x54	Gents Extract	20	tbc
GE-04 - GE-06	Air Valve	150x54	Female Extract	10	tbc
GE-07 - GE-08	Eggcrate Grille	555x555 [tile]	Prep Extract	100	White
GE-09	Eggcrate Grille	300x300	Basement Extract	30	tbc
GE-10	Eggcrate Grille	500x250	Basement Extract	200	tbc
TE-01	Eggcrate Grille	300x300	Staff WC Extract	45	tbc
DTG-01 - DTG-03	Door Transfer Grille	300x300	Staff WC Doors	Passive	tbc + intumescent block

Pizza Oven Gas Burner Flue Notes:
Midtherm HT-S flue:
Description: 316 / 25mm Rockwool / 304
Inner Skin: 0.5mm 316 (EN 1.4404)
Outer Skin: 0.5mm 304 (EN 1.4301)
Insulation: Mineral Wool 128kg/m3
Insulation Thickness: 25mm

Flue Design:
The flue is required to remove the by-products of natural gas combustion within the oven burner, as such an EMAQ assessment has returned with a low requirement for filtration due to lack of grease and odour generation within the system.
Extract Rate as per Fiero Acounto Recommendations of 200CFM [95l/s] with 10" flue fan assisted with room conditioned air acting as passive make up.
Internally flue is to be stainless steel finish, and externally powder coated Matt Black including all fixings and brackets.
Client will conduct regular flue cleaning via specialist direct PPM visits

Reference	Make	Location	Service	Model	Type	Size (HxWxD)	Weight (kg)	V-ph-Hz	Running Current (A)	Electrical Notes
AC-01	Toshiba	Ground Floor Dining	Customer Area Heating & Cooling	RAV-RM1301UTP-E	Indoor Cassette	256x84x80	24	230 V-50 Hz	2.4	MAINS FEED FROM CONDENSING UNIT. FIRE INTERFACE 2 CORE + CONTROLLER WIRING TO HVAC CONTROL PANEL
AC-02	Toshiba	Ground Floor Dining	Customer Area Heating & Cooling	RAV-RM1301UTP-E	Indoor Cassette	256x84x80	24	230 V-50 Hz	2.4	MAINS FEED FROM CONDENSING UNIT. FIRE INTERFACE 2 CORE + CONTROLLER WIRING TO HVAC CONTROL PANEL
AC-03	Toshiba	Basement Dining	Customer Area Heating & Cooling	RAV-RM1401UT-E	Indoor Cassette	318x94x80	24	230 V-50 Hz	2.4	MAINS FEED FROM CONDENSING UNIT. FIRE INTERFACE 2 CORE + CONTROLLER WIRING TO HVAC CONTROL PANEL
CU-01	Toshiba	Four Yards AC Condensing Unit	AC Condensing Unit	RAV-GV1101ATP-E	External Condensing Unit	230 x 150 x 250	52	230 V-50 Hz	2.0	25A phase mains power within 1m of CU location by electrical contractor
CU-02	Toshiba	Four Yards Louvre Window	AC Condensing Unit	RAV-GV1101ATP-E	External Condensing Unit	630x78x351	52	230 V-50 Hz	2.0	25A phase mains power within 1m of CU location by electrical contractor
CU-03	Toshiba	Four Yards Louvre Window	AC Condensing Unit	RAV-GV1101ATP-E	External Condensing Unit	630x78x351	52	230 V-50 Hz	2.0	25A phase mains power within 1m of CU location by electrical contractor
EH-01	Systemair	Basement Ceiling Void	Basement Pre/Post Wash Up Extract	Pro 355 EC	Inline Fan	407x114 x 632mm [355sqgpm]	15.5	230 V-50 Hz	3.24	Fed from HVAC Control Panel
EH-02	Systemair	Basement Ceiling Void	Basement Ceiling Supply Air Fan	Pro 315A + 407	Inline Fan	315x154 x 407	15.5	230 V-50 Hz	3.24	Fed from HVAC Control Panel
EH-03	Systemair	Basement Ceiling Void	Supply Air Heating	CBMT/G315	In Duct Heater 12kW	315x154 x 375	8	400-3 x 50 Hz	17.3	Mains (From Electrical DB - control from HVAC Panel)
EH-04	Systemair	Basement Ceiling Void	Staff Area Extract Fan	Pro Silent NP 150	Inline Silencer Fan	150x170	3.4	230 V-50 Hz	0.7	Fed from HVAC Control Panel
EH-05	Systemair	Basement Ceiling Void	Customer WC Extract Fan	BF 150	Inline Fan	150 x 150	1.5	230 V-50 Hz	0.5	Mains (From Lighting DB - control from HVAC Panel)
EH-01	Fluobust	Above Ground Floor Ceiling	Customer WC Extract Fan	Fluobust 80	Flux Extract Fan	500x500x340	19	240 V-50 Hz	1.5	Mains & Control from HVAC Control Panel Inc. Gas Interlock

G - Updated for planning submission - 15.11.2024
F - Updated following GA revision and elevations added - 29.10.24
E - Update following planning app comments. 11.09.2024
D - Update following GA Update - 02.07.2024
C - Updated following elevation alterations 31.05.2024
B - Updated following condensing unit operational restrictions 03.05.2024
A - Updated following site visit / conservation & planning requirements. 29.04.2024
 LIFESTYLE ENVIRONMENTAL LTD VENTILATION & MECHANICAL SERVICES
UNIT B8F, CRADLEY ENTERPRISE CENTRE, MAYPOLE FIELDS, CRADLEY, HALESOWEN, WEST MIDLANDS, B63 2QB admin@lifestyle-environmental.co.uk www.lifestyle-environmental.co.uk

PROJECT: 86 Cross Street Manchester

CLIENT: Individual Restaurants

<u>TITLE:</u>	HVAC Proposals
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Scale @ A1: 1:50	
Drawn By: AF	Date: 29.04.2024

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