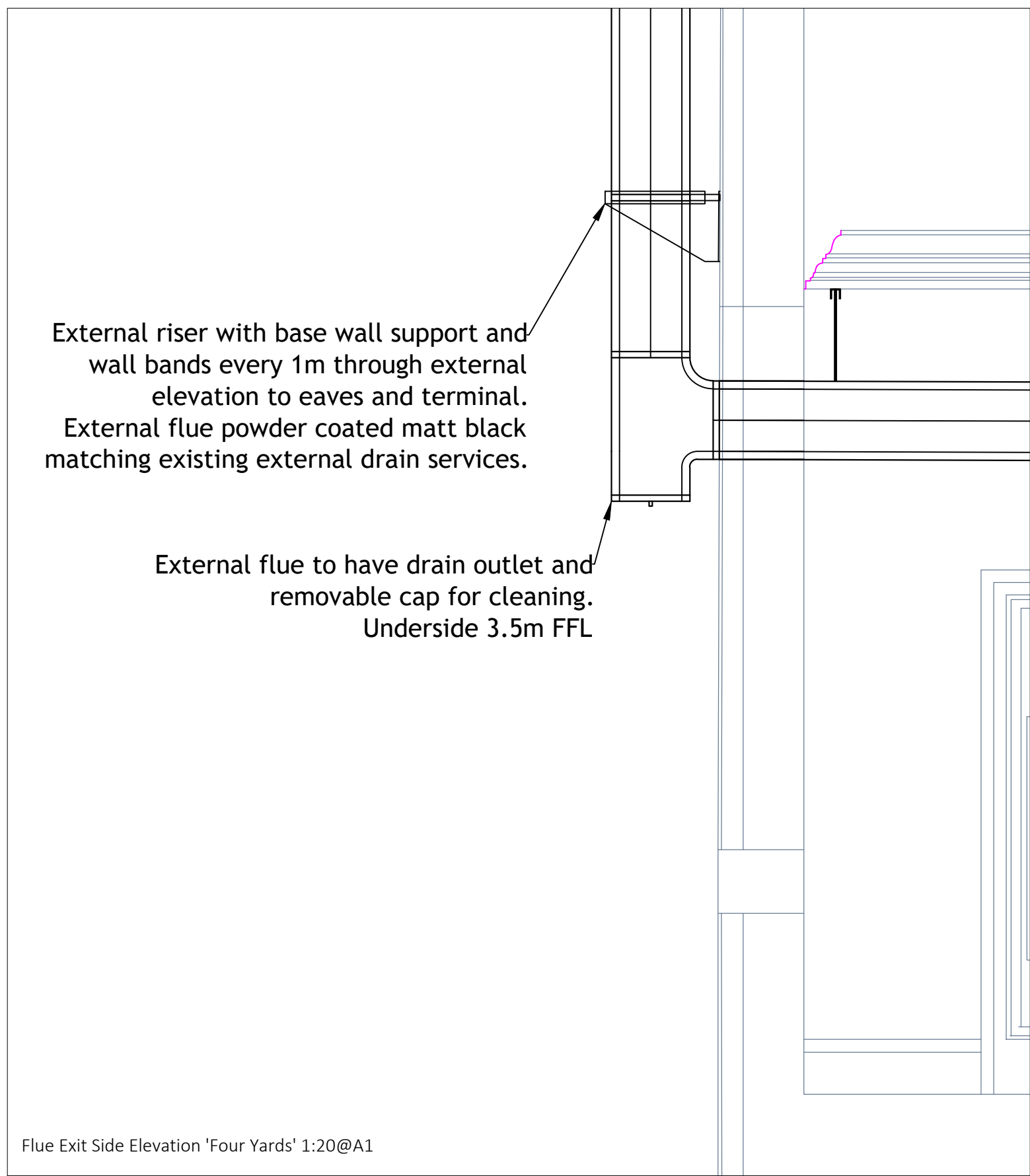




Flue Exit Side Elevation 'Four Yards' 1:20@A1

Item	Location	Type	Model	Dimensions mm			Wt. Kg	Noise Criteria	Vol. m³/s	PD Pa	Qty	Insertion Loss (Hz)							
				W	H	L						63	125	250	500	1K	2K	4K	8K
1	ATT01 - EF01	A	20/900	600	600	900	39		0.5	20	1	9	13	20	35	50	45	38	36
2	ATT02 - SF01	A	20/900	500	500	900	31		0.41	28	1	9	13	20	35	50	45	38	36
3	ATT03 - FF-01	F	TA/900 /ME	250	Dia	900	13			0	1	5	8	11	22	26	24	17	9.8
Note: ATT03 to be made in 316 Stainless Steel, fully welded with melinex infill. Painted Matt Black to external surfaces.																			
Type A: Rectangular attenuator, Flanged.		Type E: Cylindrical attenuator with tapped inserts.		CODES:															
Type B: Rectangular attenuator, Spigot ends.		Type F: Cylindrical attenuator with spigot connections.		ME: Melinex wrapped infill.															
Type C: Vertical Bend attenuator.		TA = straight through TAP = with internal pod.		CRP: Chlorinated rubber paint (internal surfaces only)															
Type D: Horizontal Bend attenuator.		Type G: Louvre.																	

Attenuator Schedule in accordance with Noise Report

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 Acunto Recommendations of 200CFM [95/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

HVAC Equipment Schedule										Electrical Notes									
Reference	Make	Location	Service	Model	Type	Size (HxWxD)	Weight (kg)	V-ph-Hz	Running Current (A)										
AC-01	Toshiba	Ground Floor Dining	Customer Area Heating & Cooling	RAV-RM801UTP-E	Indoor Cassette	256x840x840	20	230-1-50	2.3	1. MAINS FED FROM CONDENSING UNIT. FIRE INTERFACE 2 CORE + CONTROLLER WIRING TO HVAC CONTROL PANEL									
AC-02	Toshiba	Ground Floor Dining	Customer Area Heating & Cooling	RAV-RM801UTP-E	Indoor Cassette	256x840x840	20	230-1-50	2.3	2. MAINS FED 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	319x840x840	24	230-1-50	2.4	3. MAINS FED FROM CONDENSING UNIT. FIRE INTERFACE 2 CORE + CONTROLLER WIRING TO HVAC CONTROL PANEL									
CU-01	Toshiba	Four Yards Louvre Window	AC Condensing Unit	RAV-GV1101ATP-E	External Condensing Unit	630x870x351	52	230-1-50	20	25A 1phase 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	630x870x351	52	230-1-50	20	25A 1phase 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	630x870x351	52	230-1-50	20	25A 1phase mains power within 1m of CU location by electrical contractor									
EF-01	Systemair	Basement Ceiling Void	Basement Prep/Wash Up Extract	Prio 355 EC	Inline Fan	407dia o/a x 632mm [355spigot]	15.5	230-1-50	3.24	Fed from HVAC Control Panel									
SF-01	Systemair	Basement Ceiling Void	Basement Supply Air Fan	Prio 315 EC	Inline Fan	315dia x 407	9	230-1-50	2.3	Fed from HVAC Control Panel									
EHF-01	Systemair	Basement Ceiling Void	Supply Air Heating	CBMT/CD15	In Duct Heater 12kW	315dia x 375	8	400-3-50	17.3	Mains from Electrical DB - control from HVAC Panel									
EF-02	Systemair	Basement Ceiling Void	Staff Area Extract Fan	Prio Silent XP 150	Inline-Silencer Fan	150x710	3.4	230-1-50	0.7	Fed from HVAC Control Panel									
WC-EX	Systemair	Ground Floor WC	Customer WC Extract Ground Floor	BF 150	Ceiling Fan	150x150	1.2	230-1-50	0.15	Mains from Lighting Circuit by Electrical Contractor									
FF-01	Flueboost	Above Ground Floor WC Ceiling	Customer WC Extract Basement	Flueboost 800	Flue Extract Fan	500x500x340	19	240-1-50	1.5	Mains & Control from HVAC Control Panel inc. Gas Interlock									

E - Updated for planning submission 15.11.2024

D - Update following planning app comments. 11.09.2024

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



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PROJECT: 86 Cross Street Manchester

CLIENT: Individual Restaurants

TITLE: Rear Elevation

Scale @ A1: 1:50
Drawn By: AF Date: 28.02.2024

Drawing No: SP2402425/01a Revision: E
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