

PLANNING CONDITION 21 KITCHEN EXTRACT

Prior to the hereby approved building being brought into use, a kitchen extract system scheme shall be submitted to, and approved in writing by, the Local Planning Authority. The details shall provide the following information:

- A risk assessment for odour which considers amount and type of food that will be cooked together with the proposed dispersion of odours and proximity of receptors likely to be affected by any cooking odours;

Please see appendix 1 - EH30923 EMAQ RISK ASSESSMENT - St Peters Primary School - Batley, Leeds

- Based on the risk assessment, details of the proposed methods of odour control and dispersion of any extracted odours;

Please see appendix 2 - ESP Range-Purified Air / PA-Carbon-Data-Sheet

- Details showing the proposed location of all the major components of the extract system;

Please see appendix 3 - SRP1088-WLG-ZZ-ZZ-DR-M-5701-Ventilation Installation-C3

- The noise mitigation measures that will be incorporated in the extract system and details of the likely resulting noise levels that will be caused by operation of the extract system, in particular how loud it will be at nearby noise sensitive locations; and

Please see appendix 4 - Performance Guide / Acoustic Silencer Schedule

See extract below confirming ratings offered by the Kitchen Extract System.

Sound Data									
Speed	Test Mode	63	125	250	500	1K	2K	4K	SPL dB(A) @ 3m
100%	Inlet	55	70	67	68	70	70	66	59
	Outlet	54	70	77	77	78	75	70	
	Breakout	70	81	86	74	68	63	57	
80%	Inlet	51	70	59	63	65	64	60	52
	Outlet	46	48	68	69	72	72	69	
	Breakout	71	84	76	69	63	57	50	
60%	Inlet	50	57	53	55	58	55	50	45
	Outlet	36	45	56	62	64	65	60	
	Breakout	66	78	66	62	54	49	40	
40%	Inlet	45	50	46	48	51	50	43	34
	Outlet	31	42	48	53	55	56	52	
	Breakout	65	66	55	52	46	37	29	

To achieve the db ratings required by Kirklees Council, atmospheric silencer's will be installed to the system.

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See extract below of Atmospheric Silencer Schedule.

Plant Ref.	Description	Inlet/Outlet	Vol. (m ³ /s)	Typical Length (mm)	Face Velocity (m/s)	Pressure Drop (Pa)	Insertion Loss (dB) at Octave Band Centre Frequency (Hz)							
							63	125	250	500	1k	2k	4k	8k
-	1 No. Kitchen Extract Fan Vent-Axia EKF355E1	Exhaust	0.50	900	<6.0	<55	5	7	13	23	25	20	15	10
		Extract	0.50	1200	<4.5	<55	7	12	19	35	40	36	28	17
-	1 No. Kitchen Supply AHU AHE 1-S	Supply	0.47	1200	<4.5	<55	7	12	19	35	40	36	28	17

- The proposed ongoing maintenance schedule to ensure that the extract system continues to effectively control odours and not cause excessive noise.

Please see appendix 5 - ESP-Technical-and-Operations-Manual

Section 7, specific to Maintenance & Cleaning

Before food cooking commences the approved extraction system shall be installed and thereafter retained and maintained in accordance with the approved details.

Confirmed.