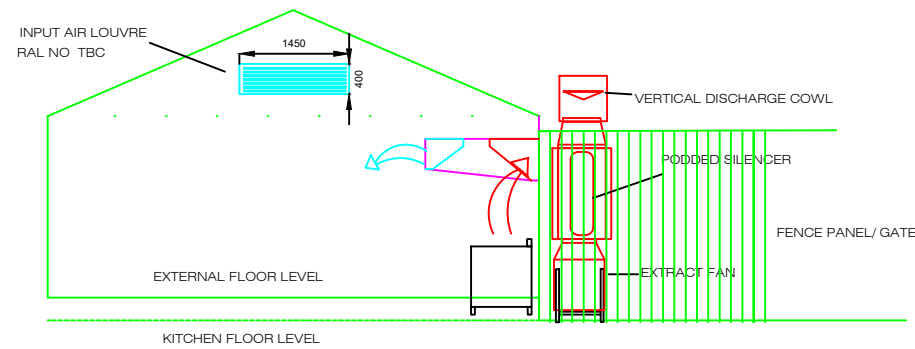
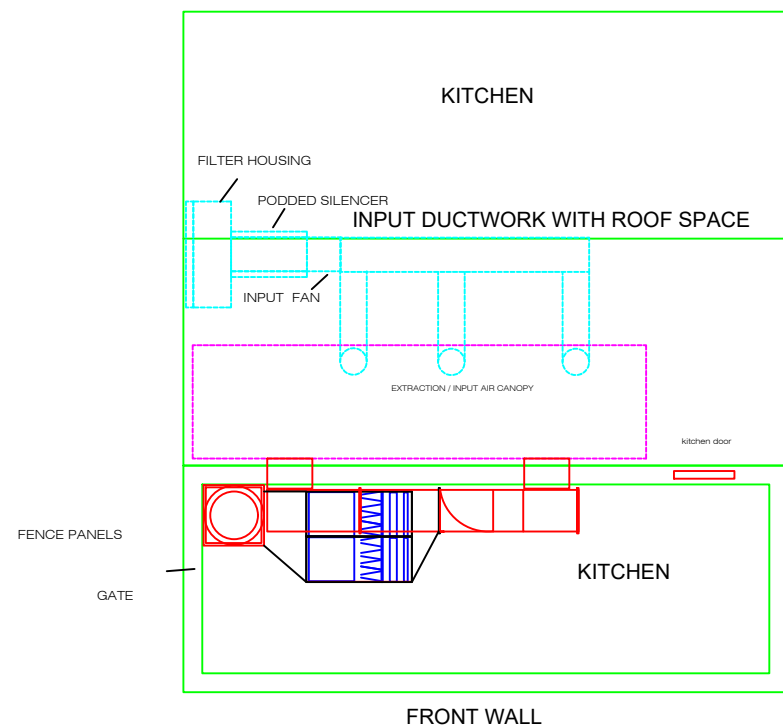


**STORE YARD ELEVATION  
FAN & DUCT OBSCURED BY WALL**



**SIDE ELEVATION**



**PLAN VIEW**



**SYSTEM REQUIREMENTS**  
 APPLIANCE CO-EFFICIENT 1.15 m<sup>3</sup>/s  
 X CANOPY FACTOR 1.2= 1.38 m<sup>3</sup>/s

**FAN SPECIFICATIONS**

<b>EXTRACT</b>		<b>INPUT AIR</b>	
MAKE: HELIOS GBW 500/4		MAKE: S & P CBM 10/10 515w	
MAX DUTY 1.38m <sup>3</sup> /s @ 520 Pa pressure drop		IN ACOUSTIC HOUSING	
Single PH 9.6AMP FULL LOAD CURRENT		VOLUME 1.1 m <sup>3</sup> /s @ 120 Pa pressure drop	
SPL 65 dB(A) @ 1.5metres		SINGLE PHASE 5.7AMP FULL LOAD CURRENT	
		SPL 75dB(A) @ 3metres (FREE FIELD)	

63	125	250	500	1000	2000	4000	8000	63	125	250	500	1000	2000	4000	8000
58	54	61	58	57	56	50	42	40	51	59	66	70	70	67	60


**SILENCER LOSSES (A) PER SILENCER**

63	125	250	500	1000	2000	4000	8000
-7	-10	-12	-21	-25	-26	-24	-22

MEASURED SOUND LEVELS AT BOUNDARY 44dB  
 DESIGN SOUND LEVELS AT BOUNDARY (@ 10 dB BELOW) 34dB

EXTRACTION ANTICIPATED SOUND LEVELS AT BOUNDARY 24dB  
 INPUT AIR ANTICIPATED SOUND LEVELS AT BOUNDARY 26dB

**1:100 @ A3**

Rev	Date	Signed	Amendments	Approved
			<b>sound levels</b>	
			<b>annotation &amp; side elevation</b>	
<i>PROPOSED VENTILATION SYSTEM</i>				
<i>GREASE/ODOUR REDUCTION</i>				
				
Unit 1 Triumph House Rigby Close Heathcote Ind Est Warwickshire CV34 6TL			TEL: 01926 887167 MOBILE: 07866 712557 e-mail ianpaish@btconnect.com	
drawing layout accepted by : date :				
Dwg. no. LIONW-OOC		NTS	Date 26/11/20 Drawn by I. Paish	