



Acoustic Report

Client	TOYS R Us, Reading
Date	30.8.17
Ref	DOCUMENT10/PJ/L14165 Report.
Edition	0

Issued for	Document prepared by			Document checked by		
	Name	Signature	Date	Name	Signature	Date
Comment	P. Joselyn		30.8.17	R. Pearce		30.8.17

Edition	Date	Page Nos	Revision Details	Approved by
---------	------	----------	------------------	-------------

Contents Page

1.0 Acoustic Report ; ‘Toys R Us’ Reading4

Appendix A External Acoustic Data

Appendix B Condensing Unit Sound Data

Appendix C Site Plan

1.0 Acoustic Report; 'Toys R Us' Reading

1.1 Acoustic report.

The object of this report is to define the acoustic data of the two off sets of installed air cooled air conditioning condensing units located to the external façade of the Proposed Toys Are Us retail outlet Located on the corner of the A33 (Basingstoke Rd and the B3031 {Basingstoke rd}), Reading.

The proposed planning requirements, associated with the discharge of condition 62, are for any installed plant / equipment to be -10dBa below existing external background levels and these levels have been defined and as measured in the Acoustic report provided for the adjacent 'Premier Inn' hotel development. [See Appendix A].

The aforementioned air conditioning condensing units have been located in the rear service yard at the ground floor level to the rear of the building, adjacent to the car park, facing the B3031 service road. These units shall have a maximum sound pressure level of 50dB and are already below the stated background noise levels. [See Appendix B]

The condensing units are located approx 60m away from the nearest bedroom / hotel accommodation and would be deemed sufficiently far enough away as to not cause any effects to increase the existing noise levels to the occupants of the adjacent properties. [See Appendix C]

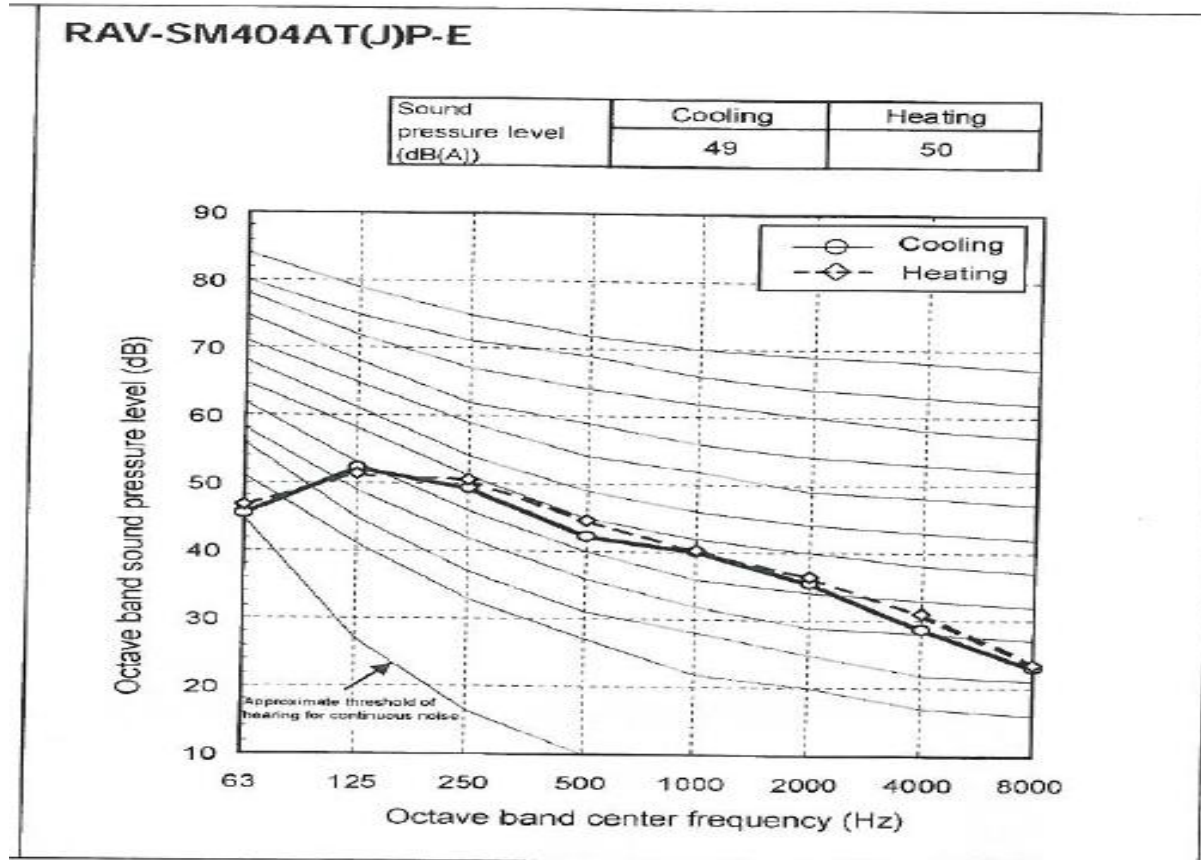
Appendix A

Current External Acoustic data

Façade	Period		Incident Noise Levels (dB) at Octave Band Centre Frequency (Hz)								
			63	125	250	500	1K	2K	4K	8K	DbA
South West A33 Position 1	Daytime (07:00 – 23:00 hours)	dB Leq,1hr	72	66	63	62	67	66	60	57	71
	Night-time (23:00 – 07:00 hours)	dB Leq,1hr	71	64	61	61	65	62	57	53	68
		dB LFMax	86	89	80	73	71	68	73	79	82
North-East Position 2	Daytime (07:00 – 23:00 hours)	dB Leq,1hr	73	66	61	60	65	62	56	54	68
	Night-time (23:00 – 07:00 hours)	dB Leq,1hr	70	63	59	59	62	59	54	51	66
		dB LFMax	86	88	83	74	70	66	64	68	79
Roof Corrected Position 1	Daytime (07:00 – 23:00 hours)	dB Leq,1hr	67	61	58	57	62	61	55	52	66
	Night-time (23:00 – 07:00 hours)	dB Leq,1hr	66	59	56	56	60	57	52	48	63
		dB LFMax	81	84	77	70	70	67	71	75	79

Appendix B

Condensing unit sound data



Appendix C

Site Plan

