November 19, 2020

Swaminarayan Mandir Vasna Sanstha (SMVS) Canada
114 Toryork Drive
Etobicoke, Ontario

E-mail: rmpatel@ca.smvs.org

Attention: Mr. Rasikbhai Patel

Re: Noise Impact Study Report
6939 King Street, Caledon, ON
Pinchin File: 270552

1.0 INTRODUCTION

Pinchin Ltd. (Pinchin) was retained by Swaminarayan Mandir Vasna Sanstha (SMVS) Canada (Client) to prepare a noise impact study report for a proposed Development at 6939 King Street, Caledon, ON. This report has been prepared to support the official plan amendment and zoning bylaw amendment for the proposed Development.

Based on the information available to Pinchin, it is understood that the Development includes the construction of a religious temple with accessory buildings and parking spaces.

Figure 1, Appendix B, shows the Development site and nearby external receptors. A site plan with onsite receptors is presented in Figure 2, Appendix B. Additional drawings are provided in Appendix C.

2.0 NOISE CRITERIA

In this assessment, Pinchin adopted the noise criteria outlined in the Ministry of Environment, Conservation and Parks (MECP) Publication NPC-300 [1]. The applicable noise criteria for this proposed Development are described as follows:

2.1 Outdoor Noise Criteria

The daytime noise criterion for outdoor living areas (OLAs) is 55 dBA for road noise sources. Where it is not technically, economically, or administratively feasible to meet the 55 dBA limit, up to 60 dBA is permissible with warning clauses. Where the daytime sound level is greater than 60 dBA, control measures are required to reduce the sound level to 60 dBA or less.

It was confirmed by the Client that the Development will not have any OLAs. Therefore, the outdoor noise criteria are not applicable to the Development.

2.2 External Building Façade Criteria

Where the sound levels at the exterior of the building facades exceed 55 dBA at bedroom or living/dining room windows during daytime hours and 50 dBA during nighttime periods, the unit should be designed with a provision for the installation of central air conditioning in the future, at the occupant's discretion. Warning clause Type C is also recommended.

Where the sound levels exceed by more than 10 dB (i.e. 65 dBA during daytime hours and 60 dBA during nighttime hours), installation of central air conditioning should be implemented, with a warning clause Type D. In addition, building components including windows, walls and doors, where applicable, should be designed so that the indoor sound levels comply with the sound level limits.

2.3 Stationary Sources

The applicable guidelines used for this Development are the MECP "Stationary Source" guidelines for Class 3 areas, as set out in MOE Publication NPC-300 [1]. These guidelines state that the one-hour sound exposures (1hr-Leq) from stationary noise sources in Class 3 areas shall not exceed:

- the higher of 45 dBA or background noise between 0700h and 1900h;
- the higher of 40 dBA or background noise between 1900h and 2300h; and
- the higher of 40 dBA or background noise between 2300h and 0700h.

In this assessment, the MECP's exclusionary daytime, evening and nighttime sound level limits of 45 dBA, 40 dBA and 40 dBA, respectively, have been used as the applicable criteria.

The sound level limits for the testing of emergency generator are 5 dBA higher than the above exclusionary limits.

3.0 POINT OF RECEPTION DESCRIPTION

Points of reception for a noise assessment are those locations identified to be noise sensitive. The facility-attributable sound level is the sum of the individual source contributions at each point of reception. A point of reception, as defined in MECP Publication NPC-300 [1], may be located on a property used for residential, noise sensitive commercial or institutional purposes.

The facility is located in Agricultural zoned land (A3 zoning) and is surrounded by other agricultural zoned lands. King Street and Centreville Creek Road are located to the north and east of the site, respectively.

The land surrounding the site and noise sensitive receptors is essentially flat. Copies of the zoning maps and General Provisions were obtained from the Town of Caledon and are included in Appendix D.

To evaluate the noise impact from the Development on nearby homes, eight (8) noise sensitive receptors (R1 to R4 and R1-OLA to R4-OLA) were selected from the nearby area. Receptor R1 represents a one-

storey home located to the west of the site along King Street. Receptor R2 represents a two-storey home located to the south of the site. Receptor R3 represents a one-storey home located to the east of the site along Centreville Creek Road. Receptor R4 represents a two-storey home located to the north of the site along King Street. Receptors R1-OLA to R4-OLA represent the corresponding outdoor living areas.

The locations of the selected external receptors are shown in Figure 1, Appendix B.

To evaluate the traffic noise impacts from nearby roads (King Street and Centreville Creek Road), five (5) onsite noise sensitive receptors (ON_R1 to ON_R5) were selected from the most affected locations at the Development. Receptor ON_R1 represents the north facing windows on Building 01. Receptor ON_R2 represents the north facing windows on Building 02. Receptor ON_R3 represents the east facing windows on Building 02. Receptor ON_R4 represents the east facing windows on the Dining Building. Receptor ON_R5 represents the north facing windows on Building 03.

The locations of the selected onsite receptors are shown in Figure 2, Appendix B.

4.0 NOISE IMPACT ASSESSMENT

4.1 Noise Impact from the Development on Nearby Receptors

At the time this report was prepared, rooftop mechanical equipment had not been selected. However, it was indicated by the Client that the buildings would have the rooftop equipment and an emergency generator similar to those at their existing site in Etobicoke, ON. The Client provided the details of the rooftop equipment for their Etobicoke site.

Based on the information provided by the Client, the rooftop equipment at this Caledon site was estimated. The estimate was based on the assumption that the rooftop equipment at the Caledon site would provide similar cooling/heating and ventilation coverage per unit floor area to their Etobicoke site.

The significant noise sources are listed in Table 1, Appendix A. The source locations are shown in Figure 2, Appendix B, and include the following:

- One (1) condenser (source CD1);
- One (1) emergency generator (source GEN);
- Three (3) make-up air units (sources MUA1, MUA2, and MUA3);
- Sixteen (16) general exhausts (sources EX1 to EX16); and
- Twenty-two (22) HVAC units (sources HVAC1 to HVAC22);

The equipment sound data were taken from manufacturer's catalogues and Pinchin's past measurements on similar sized equipment. Details of manufacturers' sound data are included in Appendix E.

An acoustic model of the facility was prepared using CadnaA (Version 2020 MR2). CadnaA calculates sound levels surrounding the facility according to the ISO standard 9613-2 [2]. The ISO calculation method, considered conservative, accounts for reduction in sound level with distance due to geometrical spreading, air absorption, ground attenuation, and acoustical shielding.

In the model, all HVAC units and condenser were modelled operating at 60 minutes, 45 minutes and 30 minutes in any daytime, evening, and nighttime hours, respectively. This assumption is consistent with the fact that the cooling demand in commercial and institutional buildings is generally low during evening and nighttime hours. The testing of the emergency generator was assumed occurring during one daytime hour.

The predicted contributions of each source at the external noise sensitive receptors are summarized in Table 2, Appendix A. Tables 3a and 3b, Appendix A, summarize the compliance status of the proposed Development at external receptor locations. Noise impact contour maps are presented in Figures 3a to 3c and 4, Appendix B. Appendix H includes a sample output at receptor R1.

It is recommended that once the equipment has been selected, the equipment specifications should be reviewed to ensure that the equipment sound levels meet the acoustical requirements.

The Development is located in Agricultural zoned land (A3 zoning). A review of aerial photos shows that there are no other external stationary sources (e.g. industrial and commercial operations) in close proximity to the Development. Consequently, the assessment of stationary sources focuses on the noise impact from the Development on nearby homes.

4.2 Noise Impact from Transportation Sources on the Development

The Annual Average Daily Traffic (AADT) volumes on King Street and Centreville Creek Road were provided by the Region of Peel and the Town of Caledon, respectively. The AADT volumes were projected to year 2031 using an annual growth rate of 2.5%, as advised by the Region of Peel. Medium and heavy truck percentages were extracted from the traffic classification reports. A summary of the traffic data and projections is provided in Table F1, Appendix F.

4.3 Traffic Noise Modelling Results

Traffic noise impacts were predicted using the MECP computer program STAMSON (Version 5.04) [3]. STAMSON uses the traffic volumes for the road and basic topographical information for the site in its calculations. The program accounts for adjustments in sound levels with vehicle volume, distance, finite segment, pavement surface, and acoustical shielding. Details of STAMSON calculations are included in Appendix F.

The traffic noise impact prediction results are provided in Table 3c, Appendix A.

The predicted day and nighttime sound levels at the planes of windows exceed the MECP guideline limits of 55 dBA and 50 dBA for daytime and nighttime hours, respectively. As such, the buildings are required to be designed with the provision for the installation of central air conditioning in the future. In addition, warning clause Type C is required.

As described in Section 4, the Development will have sufficient central air conditioning for all building spaces. Therefore, it is our opinion that the noise control measure requirement is met with the proposed installation of HVAC units. Details of the warning clause are included in Appendix G.

The predicted traffic noise impacts indicate that no special upgrades are required on building components (e.g. walls, windows and doors). Construction of all building components meeting the Ontario Building Code (OBC) requirements will be sufficient to provide the required noise attenuation so that the indoor noise levels will meet the applicable MECP guideline limits.

5.0 CONCLUSIONS

A noise impact assessment of the proposed Development was completed by modelling the noise impacts from the Development on nearby receptor locations and road traffic at selected receptor locations on the Development. The predicted stationary noise impacts meet the NPC-300 noise criteria. With the proposed installation of central air conditioning, the predicted traffic noise impacts will also meet the NPC-300 noise criteria. Consequently, the Development meets MECP noise requirements.

It is recommended that the once the information on the rooftop equipment is available, the equipment specifications should be reviewed to ensure that the equipment sound levels meet the acoustical requirements.

Should you have any questions or concerns regarding the contents of this letter, please contact the undersigned.

Yours truly,

Pinchin Ltd.

Prepared by:

Weidong Li, Ph.D., P.Eng.
Senior Project Engineer
647.287.1677
wli@pinchin.com

Reviewed by:

Aidan Maher, P.Eng.
Senior Project Manager
416.271.9333
amaher@pinchin.com

J:\270000s\0270552.000 SMVS,6939KingSt,ERC,NOISE\Deliverables\270552 SMVS Noise Impact Study Report 20201119.docx

Template: Master Letter Template, October 1, 2019

6.0 REFERENCES

1. Ministry of the Environment Publication NPC-300, "Environmental Noise Guideline Stationary and Transportation Sources – Approval and Planning", August 2013.
2. ISO 9613-2: 1996, Acoustics –Attenuation of Sound During Propagation outdoors. Part 2 – General Method of Calculation.
3. Ministry of the Environment's STAMSON/STEAM Computer Programme, (Version 5.04), 1989.

APPENDIX A

Tables

(8 Pages)

Table 1: Noise Source Summary Table

Source ID [1]	Source Description	1/1 Octave Band Sound Power Level (dB, Ref. 10-12 W) [2]										Source Location [3]	Sound Characteristics [4]	Noise Control Measures [5]	Source of Data [6]
		31.5	63	125	250	500	1000	2000	4000	8000	L_w(A)				
CD1	Condenser	86	84	84	83	80	76	71	65	20	**81**	O	S	U	File
EX1	General Exhaust	83	83	87	81	76	73	69	62	53	**79**	O	S	U	File
EX10	General Exhaust	83	83	87	81	76	73	69	62	53	**79**	O	S	U	File
EX11	General Exhaust	83	83	87	81	76	73	69	62	53	**79**	O	S	U	File
EX12	General Exhaust	83	83	87	81	76	73	69	62	53	**79**	O	S	U	File
EX13	General Exhaust	83	83	87	81	76	73	69	62	53	**79**	O	S	U	File
EX14	General Exhaust	83	83	87	81	76	73	69	62	53	**79**	O	S	U	File
EX15	General Exhaust	83	83	87	81	76	73	69	62	53	**79**	O	S	U	File
EX16	General Exhaust	83	83	87	81	76	73	69	62	53	**79**	O	S	U	File
EX2	General Exhaust	83	83	87	81	76	73	69	62	53	**79**	O	S	U	File
EX3	General Exhaust	83	83	87	81	76	73	69	62	53	**79**	O	S	U	File
EX4	General Exhaust	83	83	87	81	76	73	69	62	53	**79**	O	S	U	File
EX5	General Exhaust	83	83	87	81	76	73	69	62	53	**79**	O	S	U	File
EX6	General Exhaust	83	83	87	81	76	73	69	62	53	**79**	O	S	U	File
EX7	General Exhaust	83	83	87	81	76	73	69	62	53	**79**	O	S	U	File
EX8	General Exhaust	83	83	87	81	76	73	69	62	53	**79**	O	S	U	File
EX9	General Exhaust	83	83	87	81	76	73	69	62	53	**79**	O	S	U	File
GEN	Emergency Generator					80					**80**	O	S	E, S	Man
HVAC1	HVAC Unit		86	86	76	69	71	64	59	54	**76**	O	S	U	Man
HVAC10	HVAC Unit		87	87	77	70	72	65	60	55	**77**	O	S	U	Man
HVAC11	HVAC Unit		87	87	77	70	72	65	60	55	**77**	O	S	U	Man
HVAC12	HVAC Unit		87	87	77	70	72	65	60	55	**77**	O	S	U	Man
HVAC13	HVAC Unit		86	86	76	69	71	64	59	54	**76**	O	S	U	Man
HVAC14	HVAC Unit		86	86	76	69	71	64	59	54	**76**	O	S	U	Man
HVAC15	HVAC Unit		86	86	76	69	71	64	59	54	**76**	O	S	U	Man
HVAC16	HVAC Unit		86	86	76	69	71	64	59	54	**76**	O	S	U	Man
HVAC17	HVAC Unit		86	86	76	69	71	64	59	54	**76**	O	S	U	Man
HVAC18	HVAC Unit		86	86	76	69	71	64	59	54	**76**	O	S	U	Man
HVAC19	HVAC Unit		87	87	77	70	72	65	60	55	**77**	O	S	U	Man
HVAC2	HVAC Unit		86	86	76	69	71	64	59	54	**76**	O	S	U	Man
HVAC20	HVAC Unit		87	87	77	70	72	65	60	55	**77**	O	S	U	Man
HVAC21	HVAC Unit		87	87	77	70	72	65	60	55	**77**	O	S	U	Man
HVAC22	HVAC Unit		87	87	77	70	72	65	60	55	**77**	O	S	U	Man
HVAC3	HVAC Unit		86	86	76	69	71	64	59	54	**76**	O	S	U	Man
HVAC4	HVAC Unit		86	86	76	69	71	64	59	54	**76**	O	S	U	Man
HVAC5	HVAC Unit		86	86	76	69	71	64	59	54	**76**	O	S	U	Man
HVAC6	HVAC Unit		86	86	76	69	71	64	59	54	**76**	O	S	U	Man
HVAC7	HVAC Unit		86	86	76	69	71	64	59	54	**76**	O	S	U	Man
HVAC8	HVAC Unit		86	86	76	69	71	64	59	54	**76**	O	S	U	Man
HVAC9	HVAC Unit		87	87	77	70	72	65	60	55	**77**	O	S	U	Man
MUA1	Make-up Air Unit	95	99	89	80	77	76	70	63	62	**81**	O	S	U	File
MUA2	Make-up Air Unit	95	99	89	80	77	76	70	63	62	**81**	O	S	U	File
MUA3	Make-up Air Unit	95	99	89	80	77	76	70	63	62	**81**	O	S	U	File

Notes:

[1] Wherever possible, the Source ID is taken from the supplier documents.

[2] Sound Power Levels of continuous noise sources, in dBA, do not include sound characteristic adjustments per NPC-104. Values are unadjusted, unmitigated PWLs.
Sound Power Levels of impulsive noise sources, in dBAI, are A-weighted incorporating an impulsive time weighting.

[3] Source Location:
O - located/installed outside the building, including on the roof
I - located/installed inside the building

[4] Sound Characteristic
S = Steady
I = Impulsive
T = Tonal
Q = Quasi-Steady Impulsive
B = Buzzing
C = Cyclic

[5] Noise Control Measures
S = Silencer/Muffler
L = Lagging
O = other
A = Acoustic lining, plenum
E = acoustic enclosure
U = uncontrolled
B = Barrier, berm, screening

[6] Mea - Measured
Man - Manufacturer's Data
Cal - Engineering Calculations
- Same as ID
File - Measurement on File

Table 2: Point of Reception Noise Impact Table

Source ID [1]	Source Description	Point of Reception R1 - 1.5 m [2]				Point of Reception R1-OPOR - 1.5 m [2]			
		Distance	Sound Level at POR [3]			Distance	Sound Level at POR [3]		
		(m)	Daytime	Evening	Nighttime	(m)	Daytime	Evening	Nighttime
CD1	Condenser	148	21	20	18	133	12	11	9
EX1	General Exhaust	92	24	24	24	83	25	25	25
EX10	General Exhaust	103	21	21	21	81	19	19	19
EX11	General Exhaust	111	20	20	20	92	17	17	17
EX12	General Exhaust	117	22	22	22	100	18	18	18
EX13	General Exhaust	128	21	21	21	116	19	19	19
EX14	General Exhaust	136	20	20	20	125	17	17	17
EX15	General Exhaust	137	20	20	20	122	16	16	16
EX16	General Exhaust	145	19	19	19	131	15	15	15
EX2	General Exhaust	86	24	24	24	82	26	26	26
EX3	General Exhaust	121	21	21	21	115	20	20	20
EX4	General Exhaust	125	20	20	20	117	20	20	20
EX5	General Exhaust	63	32	32	32	48	32	32	32
EX6	General Exhaust	71	29	29	29	51	28	28	28
EX7	General Exhaust	75	29	29	29	51	29	29	29
EX8	General Exhaust	89	24	24	24	62	26	26	26
EX9	General Exhaust	99	22	22	22	71	25	25	25
GEN	Emergency Generator	107	11	0	0	96	12	0	0
HVAC1	HVAC Unit	76	27	25	24	72	29	27	26
HVAC10	HVAC Unit	81	22	21	19	57	25	24	22
HVAC11	HVAC Unit	95	21	19	18	68	23	21	20
HVAC12	HVAC Unit	91	23	22	20	63	27	26	24
HVAC13	HVAC Unit	98	19	18	16	79	19	17	16
HVAC14	HVAC Unit	111	17	15	14	89	16	15	13
HVAC15	HVAC Unit	116	17	15	14	96	15	14	12
HVAC16	HVAC Unit	106	22	20	19	89	17	16	14
HVAC17	HVAC Unit	123	16	15	13	104	14	12	11
HVAC18	HVAC Unit	114	19	18	16	98	16	15	13
HVAC19	HVAC Unit	130	18	17	15	120	19	18	16
HVAC2	HVAC Unit	83	22	20	19	80	23	22	20
HVAC20	HVAC Unit	134	19	17	16	122	17	16	14
HVAC21	HVAC Unit	140	17	16	14	126	15	13	12
HVAC22	HVAC Unit	145	17	16	14	129	14	13	11
HVAC3	HVAC Unit	88	21	20	18	81	22	21	19
HVAC4	HVAC Unit	82	26	25	23	74	27	26	24
HVAC5	HVAC Unit	119	18	17	15	112	18	16	15
HVAC6	HVAC Unit	126	17	15	14	120	17	16	14
HVAC7	HVAC Unit	64	26	25	23	46	28	27	25
HVAC8	HVAC Unit	61	26	25	23	40	29	28	26
HVAC9	HVAC Unit	77	28	27	25	51	30	29	27
MUA1	Make-up Air Unit	83	27	27	27	57	30	30	30
MUA2	Make-up Air Unit	107	24	24	24	87	23	23	23
MUA3	Make-up Air Unit	133	23	23	23	119	21	21	21

Notes:

[1]. Wherever possible, the Source ID is identical with that used in the ESDM report.

[2]. Point of Reception (POR) height is 4.5 m unless otherwise stated.

[3]. Sound Level Unit

A-Weighted 1-hour equivalent sound level ($L_{eq,}$ 1-hr) in dBA for continuous sources.

Table 2: Point of Reception Noise Impact Table

Source ID [1]	Source Description	Point of Reception R2[2]				Point of Reception R2-OPOR - 1.5 m[2]			
		Distance	Sound Level at POR [3]			Distance	Sound Level at POR [3]		
		(m)	Daytime	Evening	Nighttime	(m)	Daytime	Evening	Nighttime
CD1	Condenser	365	18	17	15	335	16	15	13
EX1	General Exhaust	392	10	10	10	361	11	11	11
EX10	General Exhaust	353	15	15	15	323	14	14	14
EX11	General Exhaust	356	15	15	15	326	14	14	14
EX12	General Exhaust	361	15	15	15	331	14	14	14
EX13	General Exhaust	379	15	15	15	349	14	14	14
EX14	General Exhaust	384	15	15	15	354	14	14	14
EX15	General Exhaust	366	15	15	15	335	14	14	14
EX16	General Exhaust	371	15	15	15	341	14	14	14
EX2	General Exhaust	402	14	14	14	372	13	13	13
EX3	General Exhaust	403	10	10	10	372	10	10	10
EX4	General Exhaust	395	10	10	10	364	11	11	11
EX5	General Exhaust	382	13	13	13	352	13	13	13
EX6	General Exhaust	373	11	11	11	343	11	11	11
EX7	General Exhaust	361	15	15	15	331	14	14	14
EX8	General Exhaust	347	16	16	16	317	15	15	15
EX9	General Exhaust	337	16	16	16	306	15	15	15
GEN	Emergency Generator	383	6	0	0	353	4	0	0
HVAC1	HVAC Unit	405	9	8	6	374	9	7	6
HVAC10	HVAC Unit	358	13	12	10	328	13	12	10
HVAC11	HVAC Unit	343	13	12	10	313	13	12	10
HVAC12	HVAC Unit	342	13	12	10	312	13	12	10
HVAC13	HVAC Unit	361	12	11	9	331	12	11	9
HVAC14	HVAC Unit	347	12	11	9	317	12	11	9
HVAC15	HVAC Unit	350	12	11	9	320	12	11	9
HVAC16	HVAC Unit	363	12	11	9	333	12	10	9
HVAC17	HVAC Unit	354	12	11	9	323	12	11	9
HVAC18	HVAC Unit	366	12	10	9	336	12	10	9
HVAC19	HVAC Unit	386	12	11	9	355	12	11	9
HVAC2	HVAC Unit	406	10	9	7	376	10	9	7
HVAC20	HVAC Unit	379	12	11	9	349	12	11	9
HVAC21	HVAC Unit	370	13	11	10	340	12	11	9
HVAC22	HVAC Unit	363	13	11	10	332	13	11	10
HVAC3	HVAC Unit	396	7	6	4	366	8	6	5
HVAC4	HVAC Unit	393	7	6	4	363	8	7	5
HVAC5	HVAC Unit	397	9	8	6	367	8	6	5
HVAC6	HVAC Unit	400	7	6	4	370	7	6	4
HVAC7	HVAC Unit	377	8	6	5	346	8	7	5
HVAC8	HVAC Unit	375	8	6	5	345	9	8	6
HVAC9	HVAC Unit	356	13	12	10	326	13	12	10
MUA1	Make-up Air Unit	353	19	19	19	323	18	18	18
MUA2	Make-up Air Unit	355	19	19	19	325	18	18	18
MUA3	Make-up Air Unit	372	18	18	18	342	18	18	18

Notes:

[1]. Wherever possible, the Source ID is identical with that used in the ESDM report.

[2]. Point of Reception (POR) height is 4.5 m unless otherwise stated.

[3]. Sound Level Unit

A-Weighted 1-hour equivalent sound level ($L_{eq,}$ 1-hr) in dBA for continuous sources.

Table 2: Point of Reception Noise Impact Table

Source ID [1]	Source Description	Point of Reception R3 - 1.5 m[2]				Point of Reception R3-OPOR - 1.5 m[2]			
		Distance	Sound Level at POR [3]			Distance	Sound Level at POR [3]		
		(m)	Daytime	Evening	Nighttime	(m)	Daytime	Evening	Nighttime
CD1	Condenser	168	24	23	21	152	25	24	22
EX1	General Exhaust	226	15	15	15	210	16	16	16
EX10	General Exhaust	214	19	19	19	200	17	17	17
EX11	General Exhaust	204	20	20	20	190	17	17	17
EX12	General Exhaust	197	20	20	20	182	21	21	21
EX13	General Exhaust	190	21	21	21	173	18	18	18
EX14	General Exhaust	184	22	22	22	168	23	23	23
EX15	General Exhaust	178	21	21	21	162	22	22	22
EX16	General Exhaust	172	22	22	22	156	23	23	23
EX2	General Exhaust	235	15	15	15	218	16	16	16
EX3	General Exhaust	206	20	20	20	189	21	21	21
EX4	General Exhaust	198	17	17	17	182	19	19	19
EX5	General Exhaust	252	14	14	14	237	15	15	15
EX6	General Exhaust	246	15	15	15	231	15	15	15
EX7	General Exhaust	245	15	15	15	231	15	15	15
EX8	General Exhaust	236	18	18	18	222	16	16	16
EX9	General Exhaust	230	19	19	19	216	19	19	19
GEN	Emergency Generator	209	2	0	0	193	1	0	0
HVAC1	HVAC Unit	245	12	10	9	229	12	11	9
HVAC10	HVAC Unit	239	13	12	10	225	13	12	10
HVAC11	HVAC Unit	230	17	16	14	216	18	16	15
HVAC12	HVAC Unit	237	17	15	14	223	17	16	14
HVAC13	HVAC Unit	217	13	12	10	203	13	12	10
HVAC14	HVAC Unit	206	17	16	14	192	18	16	15
HVAC15	HVAC Unit	200	17	16	14	185	18	17	15
HVAC16	HVAC Unit	208	18	17	15	193	19	18	16
HVAC17	HVAC Unit	192	18	17	15	177	19	17	16
HVAC18	HVAC Unit	201	15	14	12	185	15	14	12
HVAC19	HVAC Unit	190	20	19	17	174	20	19	17
HVAC2	HVAC Unit	239	12	11	9	223	12	11	9
HVAC20	HVAC Unit	184	21	19	18	168	21	20	18
HVAC21	HVAC Unit	177	20	18	17	161	21	19	18
HVAC22	HVAC Unit	171	20	19	17	155	21	20	18
HVAC3	HVAC Unit	231	12	11	9	214	13	11	10
HVAC4	HVAC Unit	236	12	11	9	220	12	11	9
HVAC5	HVAC Unit	204	15	14	12	187	16	14	13
HVAC6	HVAC Unit	200	18	16	15	183	19	18	16
HVAC7	HVAC Unit	252	11	10	8	237	12	11	9
HVAC8	HVAC Unit	257	11	10	8	242	12	10	9
HVAC9	HVAC Unit	246	13	11	10	232	13	12	10
MUA1	Make-up Air Unit	240	18	18	18	226	18	18	18
MUA2	Make-up Air Unit	209	23	23	23	194	20	20	20
MUA3	Make-up Air Unit	184	24	24	24	168	24	24	24

Notes:

[1]. Wherever possible, the Source ID is identical with that used in the ESDM report.

[2]. Point of Reception (POR) height is 4.5 m unless otherwise stated.

[3]. Sound Level Unit

A-Weighted 1-hour equivalent sound level ($L_{eq,}$ 1-hr) in dBA for continuous sources.

Table 2: Point of Reception Noise Impact Table

Source ID [1]	Source Description	Point of Reception R4 [2]				Point of Reception R4-OPOR - 1.5 m [2]			
		Distance	Sound Level at POR [3]			Distance	Sound Level at POR [3]		
		(m)	Daytime	Evening	Nighttime	(m)	Daytime	Evening	Nighttime
CD1	Condenser	330	20	18	17	274	20	19	17
EX1	General Exhaust	342	18	18	18	283	18	18	18
EX10	General Exhaust	373	16	16	16	315	13	13	13
EX11	General Exhaust	362	16	16	16	305	13	13	13
EX12	General Exhaust	352	16	16	16	295	13	13	13
EX13	General Exhaust	328	17	17	17	271	18	18	18
EX14	General Exhaust	319	17	17	17	262	19	19	19
EX15	General Exhaust	335	17	17	17	279	18	18	18
EX16	General Exhaust	326	17	17	17	270	18	18	18
EX2	General Exhaust	338	17	17	17	279	18	18	18
EX3	General Exhaust	313	17	17	17	255	19	19	19
EX4	General Exhaust	317	17	17	17	259	19	19	19
EX5	General Exhaust	376	16	16	16	317	16	16	16
EX6	General Exhaust	379	16	16	16	320	16	16	16
EX7	General Exhaust	390	15	15	15	331	16	16	16
EX8	General Exhaust	396	15	15	15	337	14	14	14
EX9	General Exhaust	400	15	15	15	342	12	12	12
GEN	Emergency Generator	338	-2	0	0	279	-1	0	0
HVAC1	HVAC Unit	345	13	12	10	286	15	13	12
HVAC10	HVAC Unit	388	13	12	10	329	14	13	11
HVAC11	HVAC Unit	394	13	12	10	336	10	9	7
HVAC12	HVAC Unit	401	13	12	10	343	12	10	9
HVAC13	HVAC Unit	367	13	11	10	309	10	9	7
HVAC14	HVAC Unit	372	12	11	9	315	10	8	7
HVAC15	HVAC Unit	365	13	11	10	308	10	9	7
HVAC16	HVAC Unit	358	13	12	10	301	14	13	11
HVAC17	HVAC Unit	356	13	12	10	300	11	10	8
HVAC18	HVAC Unit	349	13	12	10	292	15	13	12
HVAC19	HVAC Unit	321	15	14	12	264	17	15	14
HVAC2	HVAC Unit	338	14	12	10	279	14	13	11
HVAC20	HVAC Unit	324	15	13	12	268	17	15	14
HVAC21	HVAC Unit	329	14	13	11	273	16	15	13
HVAC22	HVAC Unit	334	14	13	11	278	16	15	13
HVAC3	HVAC Unit	341	15	14	12	282	15	14	12
HVAC4	HVAC Unit	348	14	13	11	290	14	13	11
HVAC5	HVAC Unit	318	14	13	11	260	16	14	13
HVAC6	HVAC Unit	311	14	13	11	253	16	15	13
HVAC7	HVAC Unit	381	12	11	9	322	9	8	6
HVAC8	HVAC Unit	388	12	11	9	328	9	8	6
HVAC9	HVAC Unit	395	13	12	10	337	14	13	11
MUA1	Make-up Air Unit	393	18	18	18	335	19	19	19
MUA2	Make-up Air Unit	367	19	19	19	309	16	16	16
MUA3	Make-up Air Unit	331	20	20	20	275	21	21	21

Notes:

[1]. Wherever possible, the Source ID is identical with that used in the ESDM report.

[2]. Point of Reception (POR) height is 4.5 m unless otherwise stated.

[3]. Sound Level Unit

A-Weighted 1-hour equivalent sound level ($L_{eq,}$ 1-hr) in dBA for continuous sources.

Table 3a: Acoustic Assessment Summary Table - Rooftop Units

Point of Reception ID	Point of Reception Description	Time Period [1]	Total Level at POR (L_{eq}, 1-hr) [2]	Verified by Acoustic Audit (Yes/No)	Performance Limit (L_{eq} 1-hr) [3]	Compliance with Performance Limit (Yes/No)
R1	Home to West	Daytime	40	No	45	Yes
		Evening	39	No	40	Yes
		Nighttime	39	No	40	Yes
R1-OLA	Outdoor Living Area	Daytime	41	No	45	Yes
		Evening	40	No	40	Yes
R2	Home to South	Daytime	30	No	45	Yes
		Evening	29	No	40	Yes
		Nighttime	29	No	40	Yes
R2-OLA	Outdoor Living Area	Daytime	29	No	45	Yes
		Evening	29	No	40	Yes
R3	Home to East	Daytime	35	No	45	Yes
		Evening	34	No	40	Yes
		Nighttime	34	No	40	Yes
R3-OLA	Outdoor Living Area	Daytime	35	No	45	Yes
		Evening	34	No	40	Yes
R4	Home to North	Daytime	32	No	45	Yes
		Evening	31	No	40	Yes
		Nighttime	31	No	40	Yes
R4-OLA	Outdoor Living Area	Daytime	32	No	45	Yes
		Evening	32	No	40	Yes

Notes:

[1] The predictable worst-case one (1) hour period was considered in the study.

[2] Worst-case one hour equivalent sound level from all applicable sources operating in dBA.

[3] MECP Publication NPC-300 exclusionary sound level limits of one hour Leq for Class 3 Areas.

Table 3b: Acoustic Assessment Summary Table - Emergency Generator Testing

Point of Reception ID	Point of Reception Description	Time Period [1]	Total Level at POR (L_{eq}, 1-hr) [2]	Verified by Acoustic Audit (Yes/No)	Performance Limit (L_{eq} 1-hr) [3]	Compliance with Performance Limit (Yes/No)
R1	Home to West	Daytime	11	No	50	Yes
R1-OPOR	Outdoor Living Area	Daytime	12	No	50	Yes
R2	Home to South	Daytime	6	No	50	Yes
R2-OPOR	Outdoor Living Area	Daytime	4	No	50	Yes
R3	Home to East	Daytime	2	No	50	Yes
R3-OPOR	Outdoor Living Area	Daytime	1	No	50	Yes
R4	Home to North	Daytime	-2	No	50	Yes
R4-OPOR	Outdoor Living Area	Daytime	-1	No	50	Yes

Notes:

[1] The predictable worst-case one (1) hour period was considered in the study.

[2] Worst-case one hour equivalent sound level from all applicable sources operating in dBA.

[3] MECP Publication NPC-300 exclusionary sound level limit of one hour Leq for Class 3 Areas, plus 5 dBA for generator testing.

Table 3c: Road Traffic Noise Impact Predictions on Façade Windows

Receptor ID [1]	Point of Reception Description [2]	Predicted Road Noise Level, (Leq, dBA) [3]		MECP Guideline Limits, Day / Night [4]	Noise Control Measures [5]	Warning Clause [6]
		Daytime (16 hr)	Nighttime (8 hr)			
ON_R1	Building 01 - Front Entrance	60	54	55 / 50	Provision for Central AC	Type C
ON_R2	Building 02 - Front Entrance / Coat room	58	52	55 / 50	Provision for Central AC	Type C
ON_R3	Building 02 - East Side Book Stall / Office	61	55	55 / 50	Provision for Central AC	Type C
ON_R4	Dinning - East Side Dinning Area	60	54	55 / 50	Provision for Central AC	Type C
ON_R5	Dinning - East Side Dinning Area	59	53	55 / 50	Provision for Central AC	Type C

Notes:

[1] For locations of the selected onsite receptors, refer to Figure 2, Appendix B.

[2] The most affected façade windows were selected.

[3] Daytime (including evening) hours are between 7:00 am and 11:00 pm and nighttime hours are between 11:00 pm and 7:00 am.

[4] NPC-300 exclusionary guideline limits at planes of windows, without noise controls and warning clauses.

[5] Provision for Central AC - the building/units should be designed with the provision for the installation of central air conditioning in the future.

[6] For details of the warning clause, see Appendix G.

APPENDIX B

Figures & Drawings

(6 Pages)

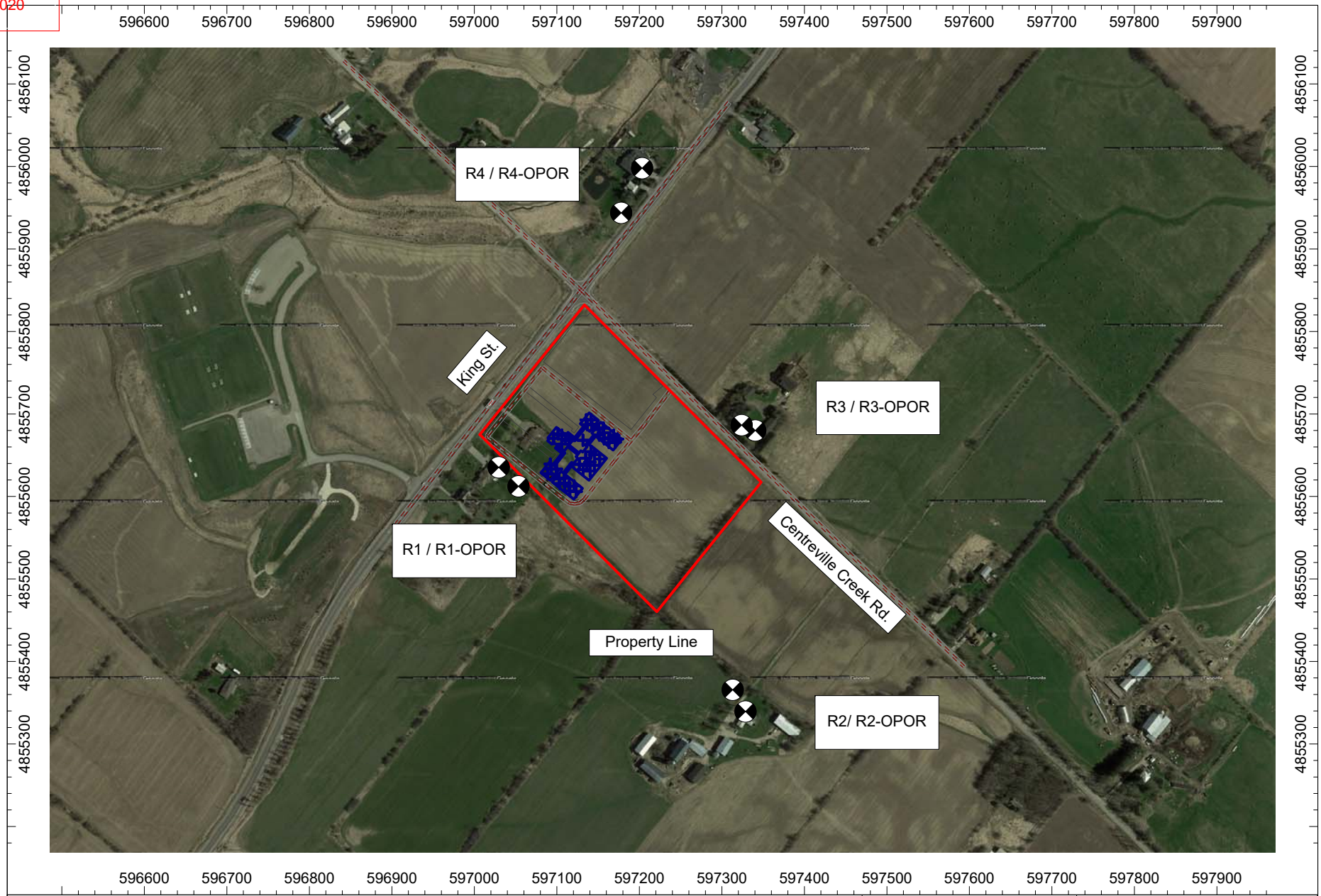


Figure 1 - Scaled Area Plan, Showing the Site and External Receptors

Swaminarayan Mandir Vasna Sanstha (SMVS) Canada

6939 King Street, Caledon, ON

N

Pinchin Project: 270552

Drawn by: WNL

Scale: 1:6,500

Date: November 11, 2020

PINCHIN

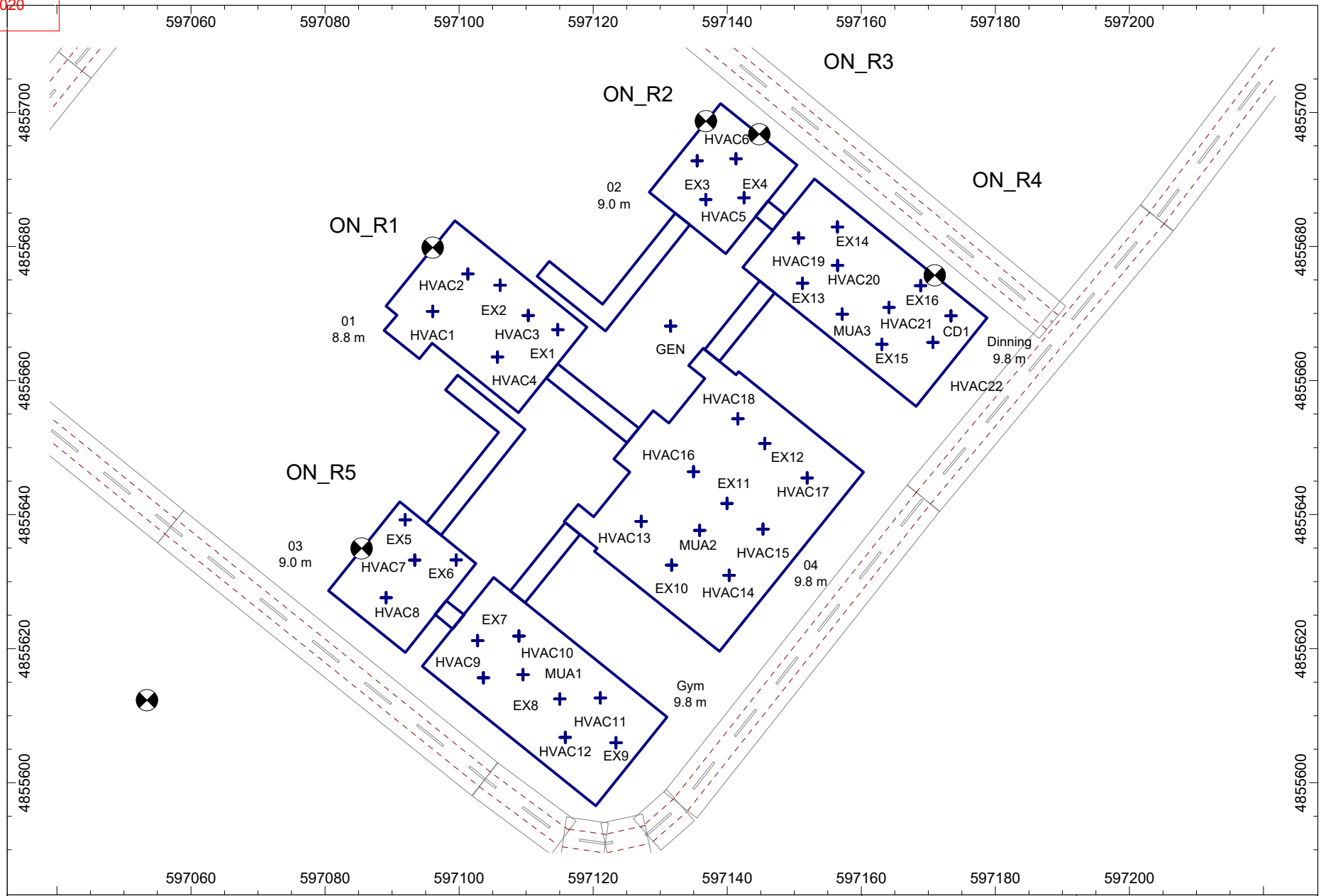


Figure 2 - Site Plan, Showing Significant Noise Sources and Onsite Receptors

N

Swaminarayan Mandir Vasna Sanstha (SMVS) Canada

6939 King Street, Caledon, ON

Pinchin Project: 270552

Drawn by: WNL

Scale: 1:800

Date: November 11, 2020

PINCHIN

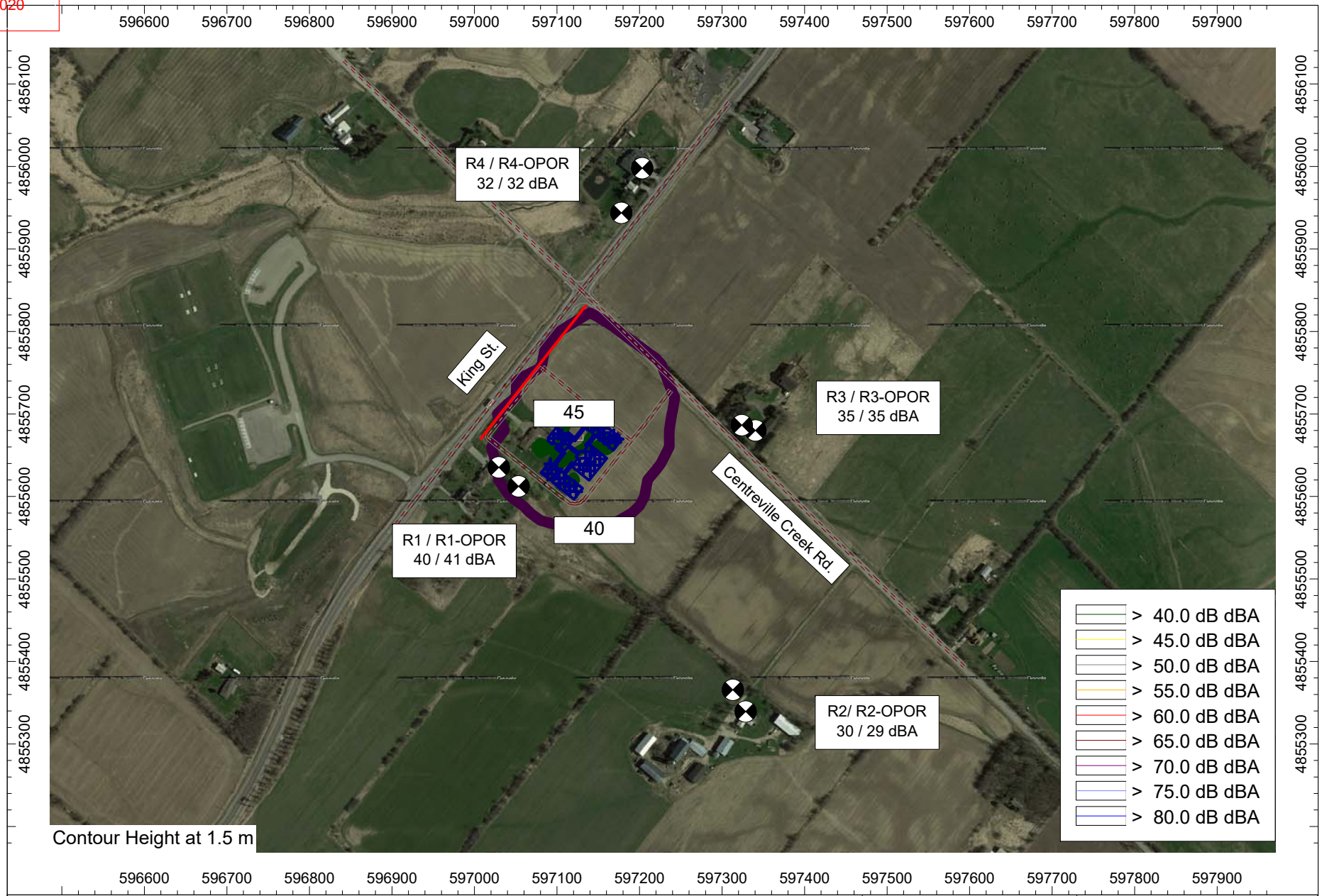


Figure 3a - Daytime Noise Impact Contour Map - Rooftop Units

Swaminarayan Mandir Vasna Sanstha (SMVS) Canada

6939 King Street, Caledon, ON

N

Pinchin Project: 270552

Drawn by: WNL

Scale: 1:6,500

Date: November 11, 2020

PINCHIN

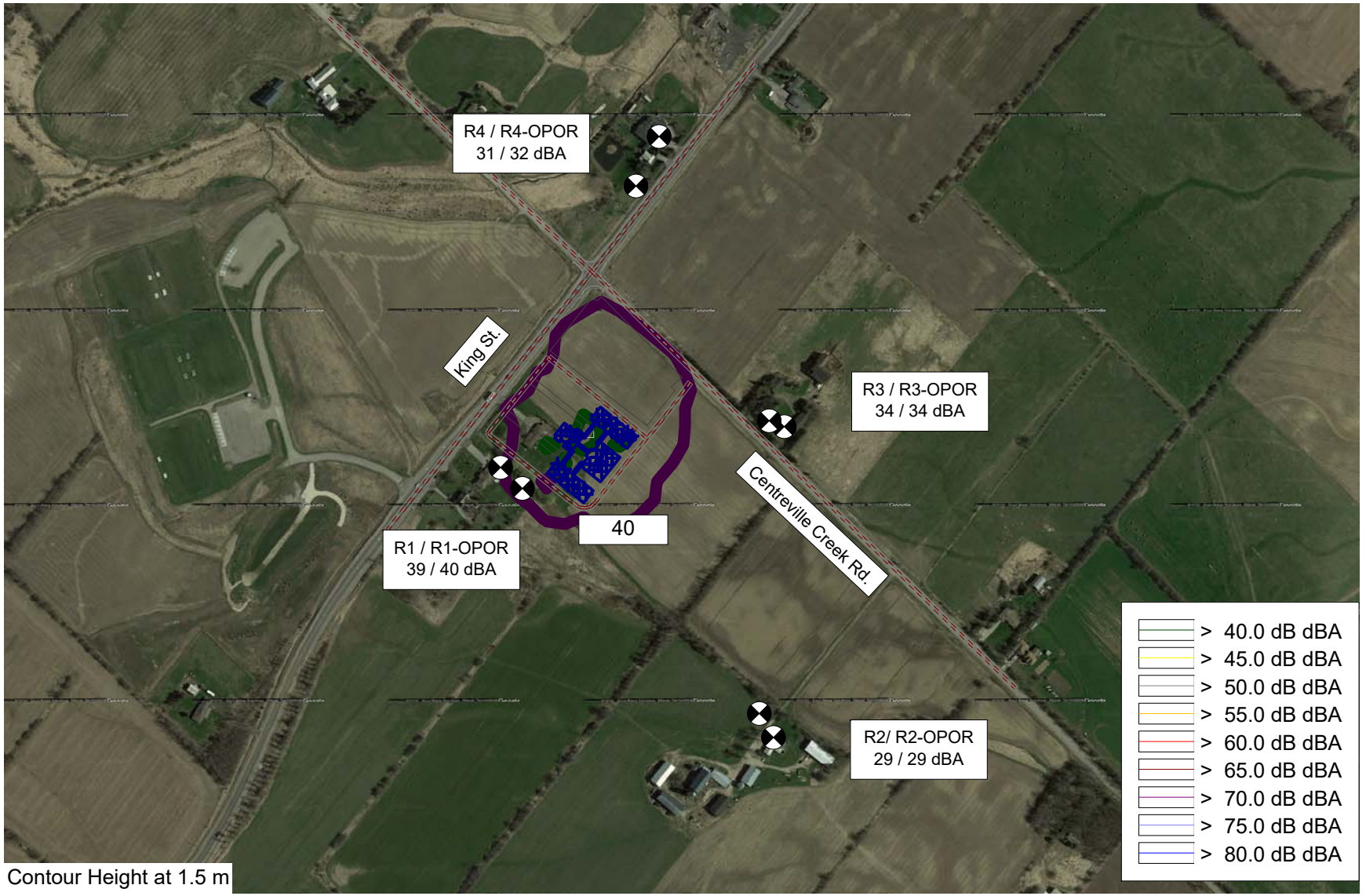


Figure 3b - Evening Noise Impact Contour Map - Rooftop Units

Swaminarayan Mandir Vasna Sanstha (SMVS) Canada

6939 King Street, Caledon, ON

N

Pinchin Project: 270552

Drawn by: WNL

Scale: 1:6,500

Date: November 11, 2020

PINCHIN

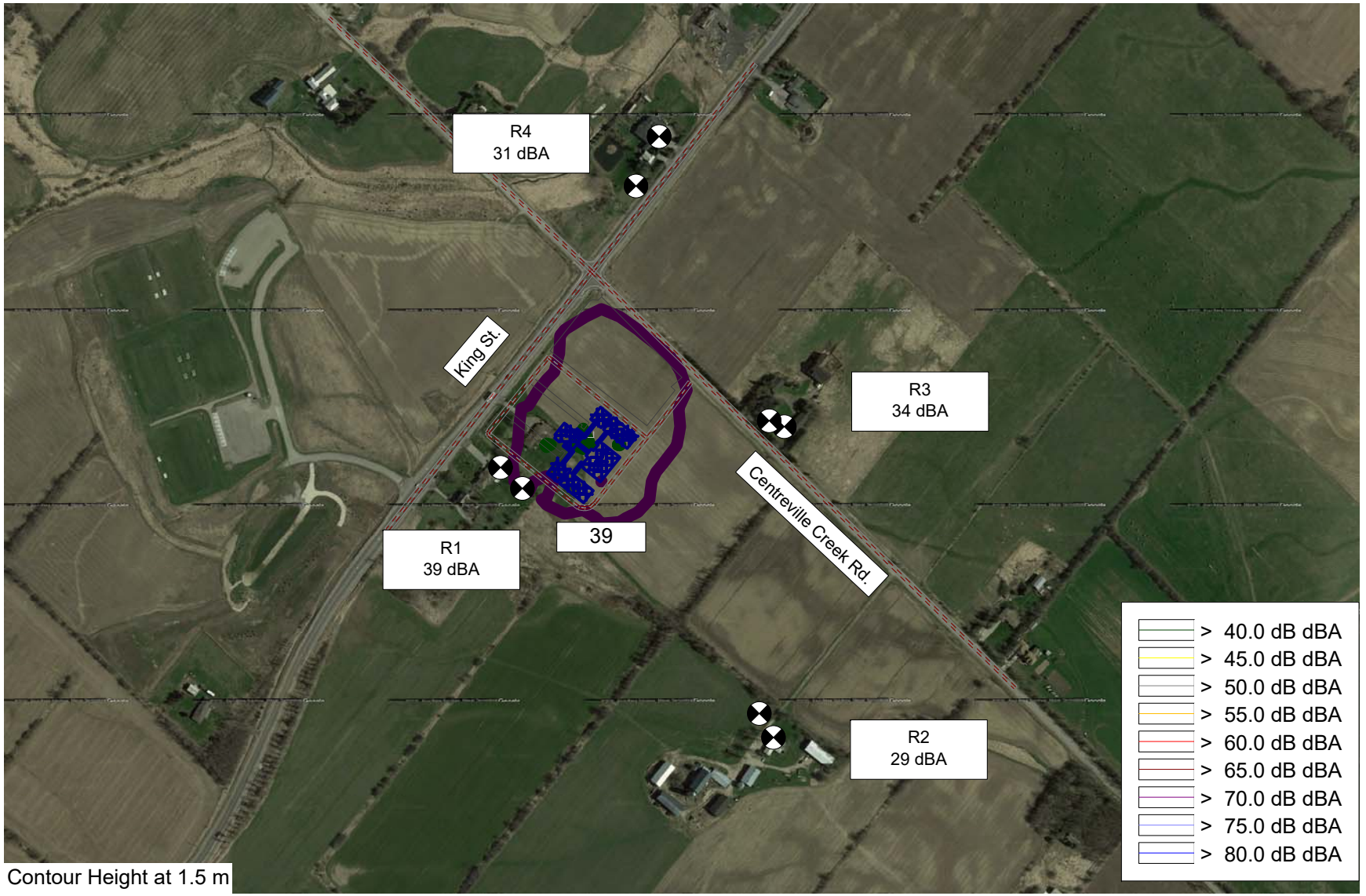


Figure 3c - Nighttime Noise Impact Contour Map - Rooftop Units

Swaminarayan Mandir Vasna Sanstha (SMVS) Canada

6939 King Street, Caledon, ON

N

Pinchin Project: 270552

Drawn by: WNL

Scale: 1:6,500

Date: November 11, 2020

PINCHIN

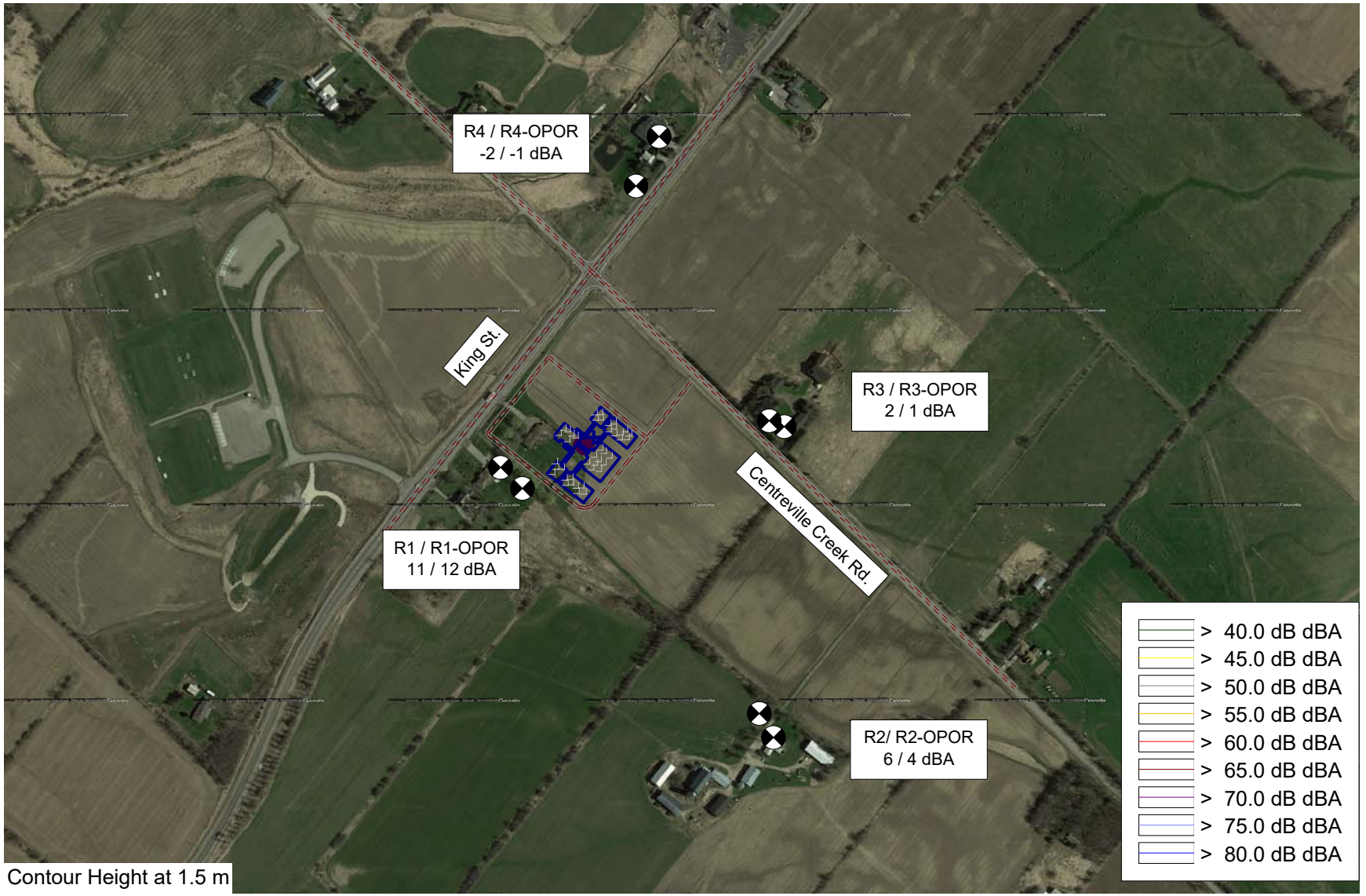


Figure 4 - Daytime Noise Impact Contour Map - Emergency Generator Testing

N

Swaminarayan Mandir Vasna Sanstha (SMVS) Canada

6939 King Street, Caledon, ON

Pinchin Project: 270552

Drawn by: WNL

Scale: 1:6,500

Date: November 11, 2020

PINCHIN

APPENDIX C

Additional Drawings

(4 Pages)

SITE STATISTICS:

AREA OF LOT	=	60,590 M^2
TOTAL FOOTPRINT AREA	=	514.39 M^2
BUILDING FOOTPRINT	=	17,808 M^2
% COVERAGE	=	4,372 M^2

PARKING AREA:

REGULAR PARKING	= 331
ACCESSIBLE PARKING	= 14
DROP-OFF PARKING	= 6
DELIVERY PARKING	= 1
TOTAL PARKING	= 352 PARKING SPACES

BUILDING PLAN

1. MANDIR FLOOR AREA	:476.50 SQ.M (5,136 SQ.FT)
2. ADMIN FLOOR AREA	:831.21 SQ.M (9,006 SQ.FT)
3. SAINT ASHRAM FLOOR AREA	:831.21 SQ.M (9,006 SQ.FT)
4. SABHA HALL FLOOR AREA	:1,002.8 SQ.M.(10,755 SQ.FT)
TOTAL FLOOR AREA	:3,141.72 SQ.M. (33,903 SQ.FT)

PAVED AREA:

PARKING LOT	= 5,906.14 M^2
DRIVEWAYS	= 3,194.659 M^2
WALKWAYS	= 536.582 M^2
ROADS	= 1,020.391 M^2
TOTAL PAVED AREA	= 10,657.772 M^2

LANDSCAPE AREA = 2,451.279 M^2

VACANT LAND(east part) = 29,672.95 M^2

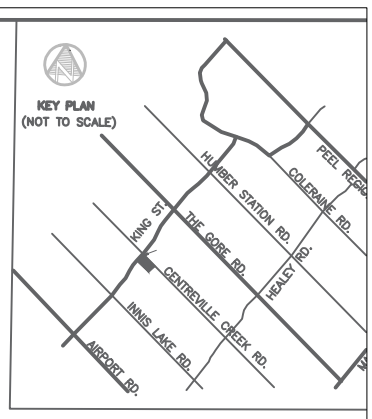
TOPOGRAPHIC SURVEY

for

6939 KING ST.
CALEDON, ONTARIO

SCALE: 1:500
0 5 10 15 Metres

KEY PLAN
(NOT TO SCALE)



BOUNDARY NOTE

PROPERTY BOUNDARY LINES SHOWN HEREON ARE FOR REFERENCE PURPOSE ONLY, COMPILED FROM EXISTING R-plan 43R-33132.

DATUM

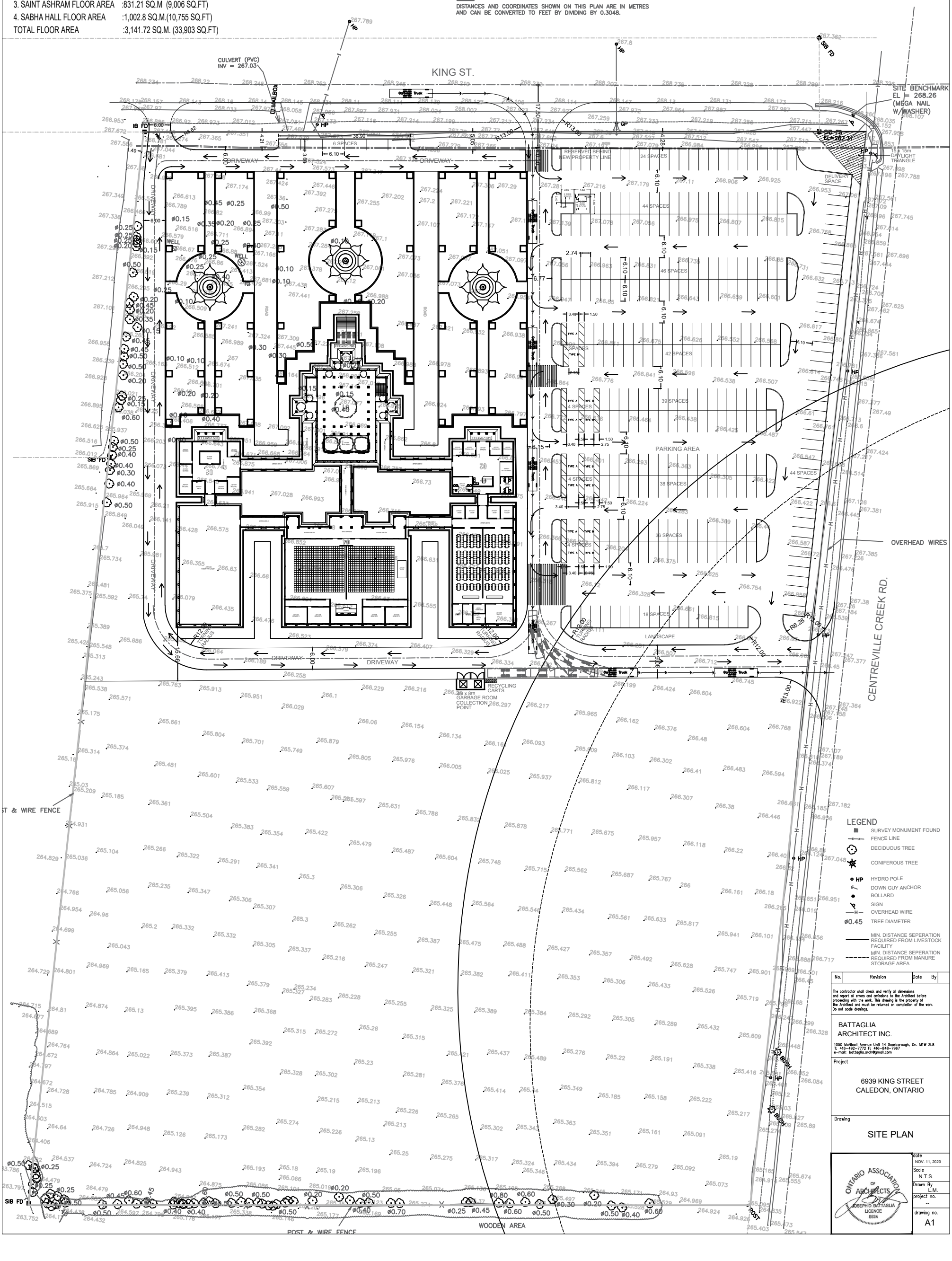
UTM-17 NAD83 2010.0 (ESTABLISHED BY RTK GPS AND VERIFIED WITH TWO COSINE HORIZONTAL CONTROL MONUMENTS : 04219920179 & 04219900040

BENCH MARK

ELEVATIONS SHOWN HERE ARE REFERED TO A COSINE BENCHMARK No. 00819758057 HAVING AN ELEVATION OF 251.929 Metres.

METRIC

DISTANCES AND COORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.



LEGEND

- SURVEY MONUMENT FOUND
- FENCE LINE
- DECIDUOUS TREE
- CONIFEROUS TREE
- HP HYDRO POLE
- DOWN GUY ANCHOR
- BOLLARD
- SIGN
- H OVERHEAD WIRE
- ø0.45 TREE DIAMETER
- MIN. DISTANCE SEPERATION REQUIRED FROM LIVESTOCK FACILITY
- MIN. DISTANCE SEPERATION REQUIRED FROM MANURE STORAGE AREA

No.	Revision	Date	By

BATTAGLIA
ARCHITECT INC.

1050 McNicoll Avenue Unit 14 Scarborough, On. M1W 2L8
T: 416-492-7772 F: 416-848-7967
e-mail: battaglia.arch@gmail.com

Project

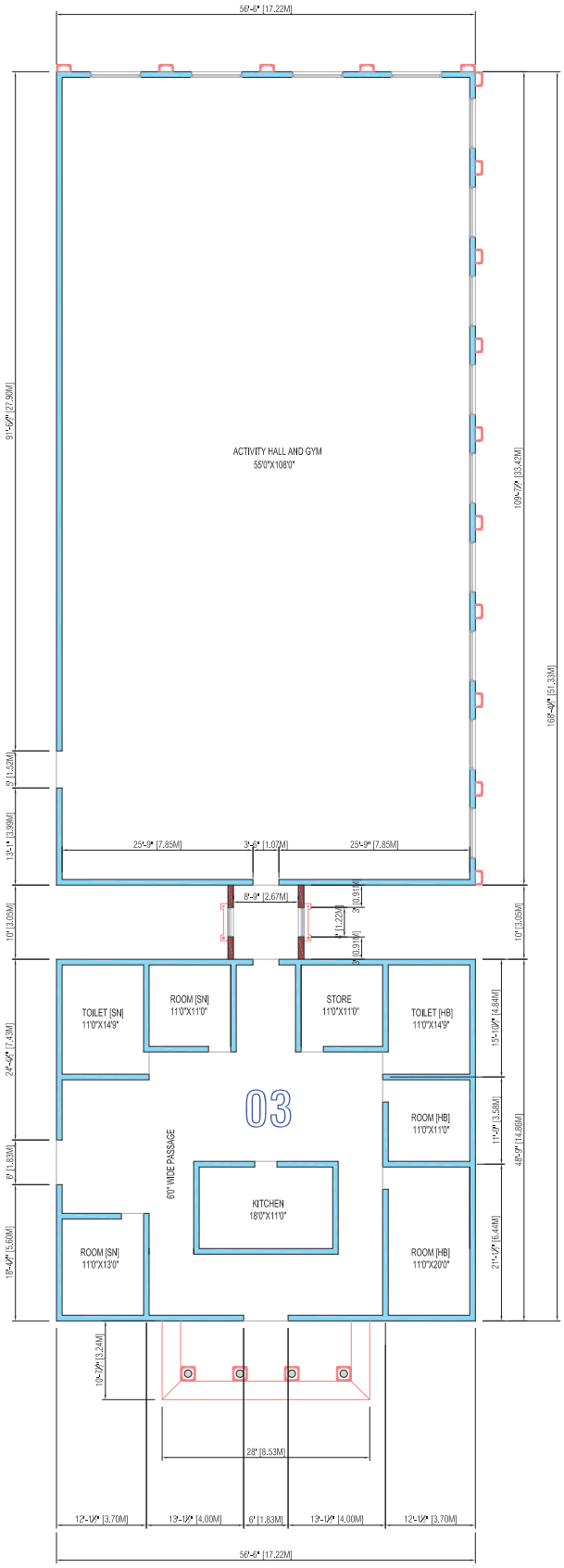
6939 KING STREET
CALEDON, ONTARIO

Drawing

SITE PLAN

ONTARIO ASSOCIATION OF ARCHITECTS
JOSEPH D. BATTAGLIA
LICENCE
5924

date	NOV. 11, 2020
Scale	N.T.S.
Drawn By	L.M.
project no.	--
drawing no.	A1



BUILDING PLAN

1. MANDIR FLOOR AREA :476.50 SQ.M (5,136 SQ.FT)
2. ADMIN FLOOR AREA :831.21 SQ.M (9,006 SQ.FT)
3. SAINT ASHRAM FLOOR AREA :831.21 SQ.M (9,006 SQ.FT)
4. SABHA HALL FLOOR AREA :1,002.8 SQ.M.(10,755 SQ.FT)

TOTAL FLOOR AREA :3,141.72 SQ.M. (33,903 SQ.FT)

SAINT ASHRAM FLOOR PLAN

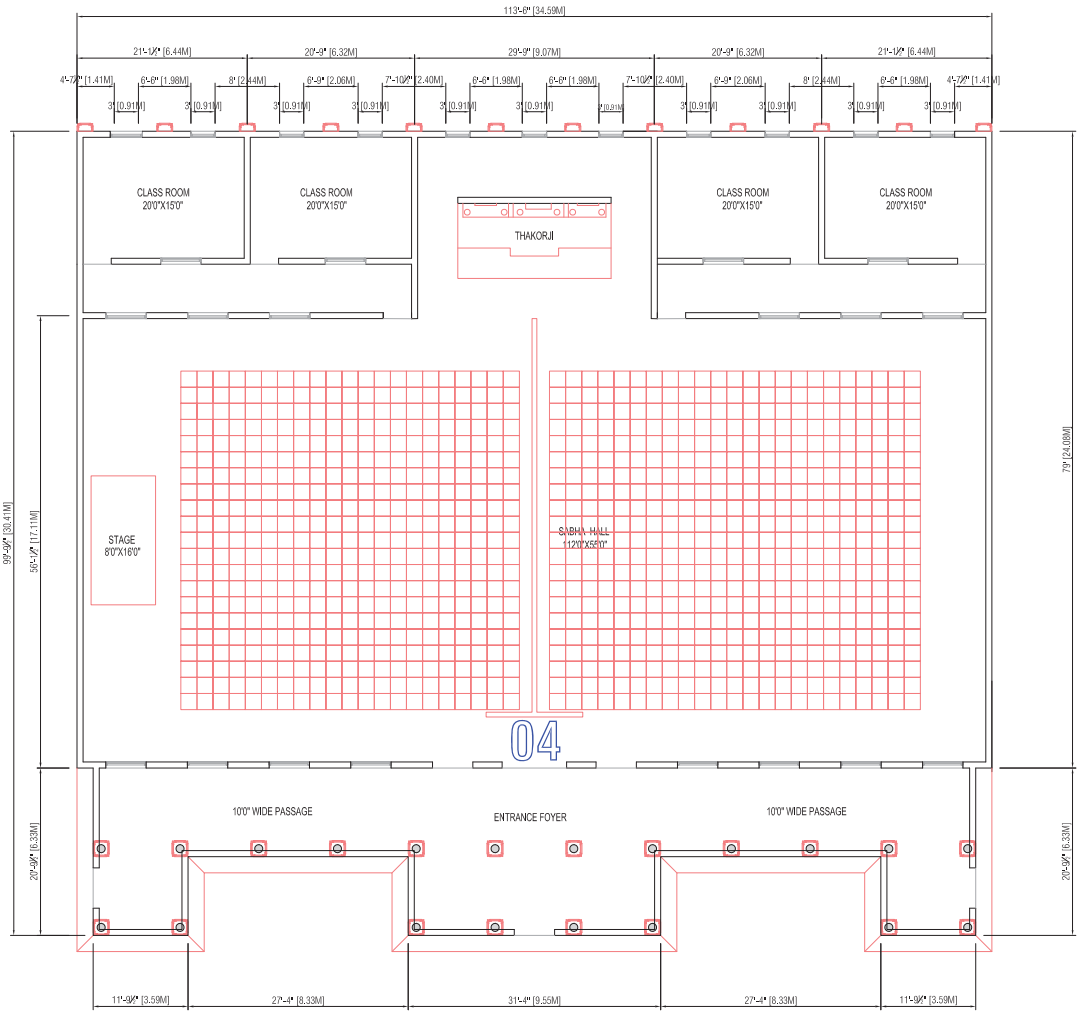
BATTAGLIA ARCHITECT INC.
1050 McNicoll Avenue Unit 14 Scarborough, On. M1W 2L8
T: 416-492-7772 F: 416-848-7967
e-mail: battaglia.arch@gmail.com

PROJECT
6936 KING STREET
KLEINBERG ONTARIO

DRAWING
SAINT ASHRAM
FLOOR PLAN

No.	Revision	Date By

date MAY 25, 2020
Scale 1/16"=1'-0"
Drawn By L. M.
project no. _
drawing no. A11



04) SABH HALL FLOOR PLAN

BUILDING PLAN

1. MANDIR FLOOR AREA	:476.50 SQ.M (5,136 SQ.FT)
2. ADMIN FLOOR AREA	:831.21 SQ.M (9,006 SQ.FT)
3. SAINT ASHRAM FLOOR AREA	:831.21 SQ.M (9,006 SQ.FT)
4. SABHA HALL FLOOR AREA	:1,002.8 SQ.M.(10,755 SQ.FT)
TOTAL FLOOR AREA	:3,141.72 SQ.M. (33,903 SQ.FT)

The contractor shall check and verify all dimensions and report all errors and omissions to the Architect before proceeding with the work. This drawing is the property of the Architect and must be returned on completion of the work. Do not scale drawings.

BATTAGLIA
ARCHITECT INC.

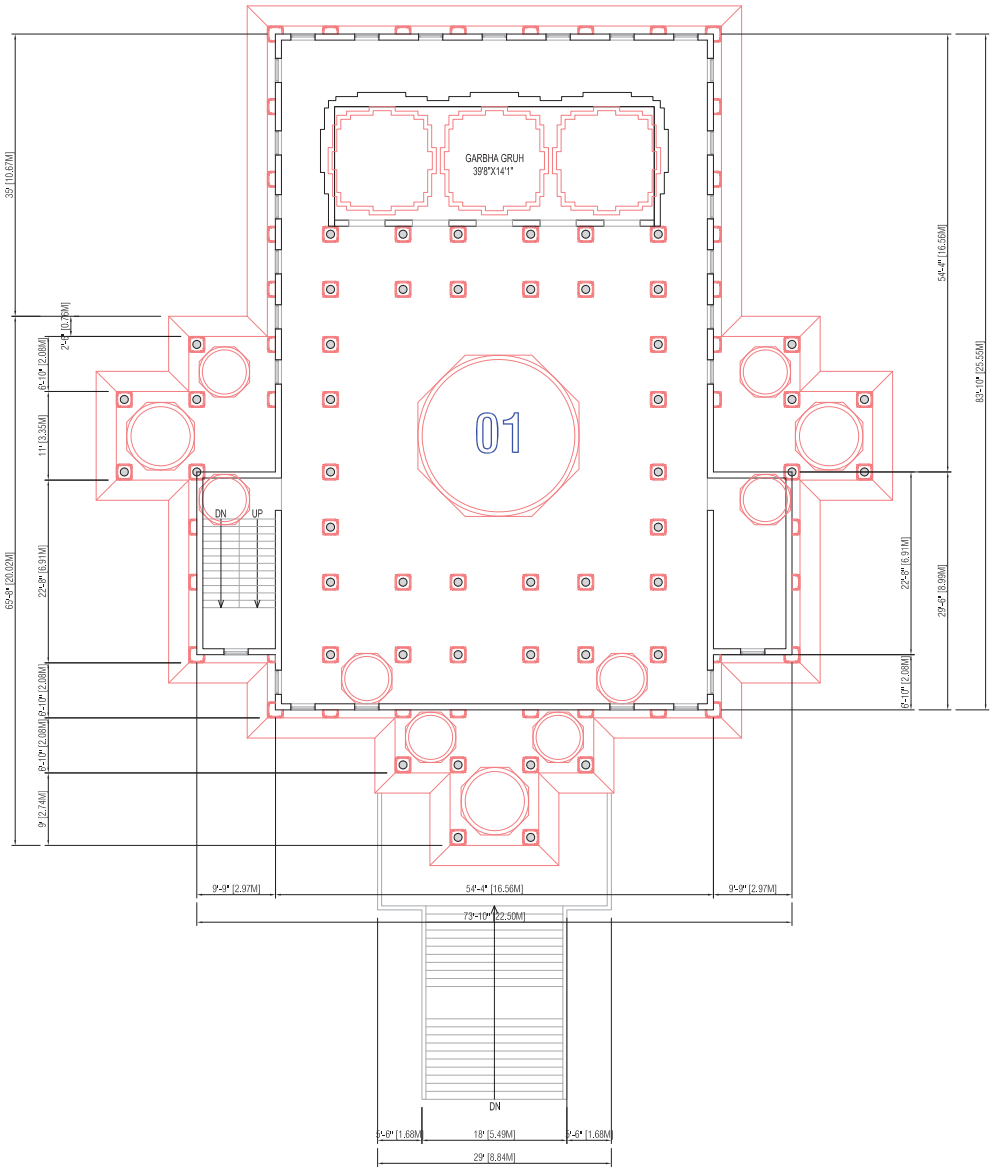
1050 McNicoll Avenue Unit 14 Scarborough, On. M1W 2L8
T: 416-492-7772 F: 416-848-7967
e-mail: battaglia.arch@gmail.com

PROJECT
6936 KING STREET
KLEINBERG ONTARIO

DRAWING
SABAH HALL
FLOOR PLAN

No.	Revision	Date By

date: MAY 25, 2020
Scale: 1/16"=1'-0"
Drawn By: L.M.
project no.: _
drawing no.: A7



01) MANDIR FLOOR PLAN

BUILDING PLAN

1. MANDIR FLOOR AREA	:476.50 SQ.M (5,136 SQ.FT)
2. ADMIN FLOOR AREA	:831.21 SQ.M (9,006 SQ.FT)
3. SAINT ASHRAM FLOOR AREA	:831.21 SQ.M (9,006 SQ.FT)
4. SABHA HALL FLOOR AREA	:1,002.8 SQ.M.(10,755 SQ.FT)
TOTAL FLOOR AREA	:3,141.72 SQ.M. (33,903 SQ.FT)

BATTAGLIA
ARCHITECT INC.

1050 McNicoll Avenue Unit 14 Scarborough, On. M1W 2L8
T: 416-492-7772 F: 416-848-7967
e-mail: battaglia.arch@gmail.com

PROJECT
6936 KING STREET
KLEINBERG ONTARIO

DRAWING
MANDIR
FLOOR PLAN

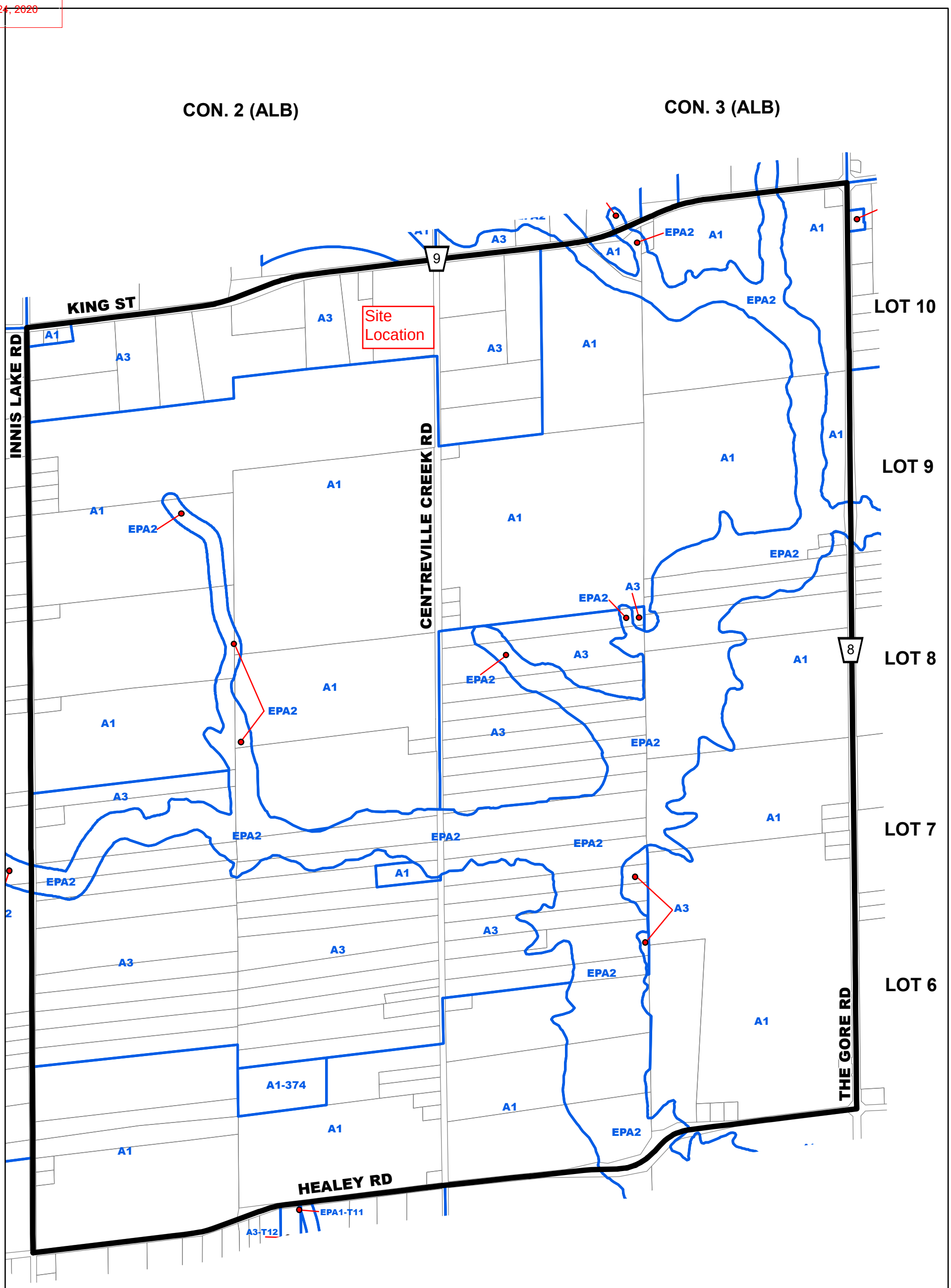
No.	Revision	Date	By

date: MAY 25, 2020
Scale: 1/16"=1'-0"
Drawn By: L.M.
project no.: _
drawing no.: A5

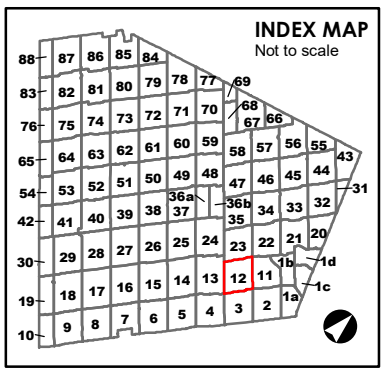
APPENDIX D

Zoning Information

(5 Pages)



INDEX MAP
Not to scale



A2 ZONE SYMBOL

A2-### ZONE SYMBOL
Note: Number of suffixes represent Exceptions which can be looked up in the Exceptions section of the By-law.

ZONE BOUNDARY

STRUCTURAL ENVELOPE MAP

NIAGARA ESCARPMENT DEVELOPMENT CONTROL AREA
Lands lying within the Development Control area pursuant to the Niagara Planning and Development Act are subject to permit requirements under Ontario Regulations 685/50, as amended.

OAK RIDGES MORAINE CONSERVATION PLAN AREA BOUNDARY

WELLHEAD PROTECTION AREA BOUNDARY
WP-2 WP-5 WP-10 WP-25
Zone Maps amended to indicate the 2, 5, 10, and 25 year Wellhead Protection Areas.

BY-LAW 2006-50
ZONE MAP 12
SCHEDULE "A"

0 135 270 540 m

TOWN OF CALEDON

Date: 3 April 2006
Revised: August 21, 2015

File: S:\POLICY SECTION\GIS\zoning_bylaw\2015_mxd

12

CON. 3 (ALB)

CON. 2 (ALB)

CASTLEDERG SDRD

LOT 15

LOT 14

LOT 13

LOT 12

LOT 11

THE GORE RD

CENTREVILLE CREEK RD

INNIS LAKE RD

KING ST

8

9

A1 A1-ORM A3 A3-ORM A1-39 EPA2 EPA2-ORM EPA2- ORM OS-474 I

INDEX MAP
Not to scale

A2 ZONE SYMBOL

A2-### ZONE SYMBOL
Note: Number of suffixes represent Exceptions which can be looked up in the Exceptions section of the By-law.

ZONE BOUNDARY

STRUCTURAL ENVELOPE MAP

NIAGARA ESCARPMENT DEVELOPMENT CONTROL AREA
Lands lying within the Development Control area pursuant to the Niagara Planning and Development Act are subject to permit requirements under Ontario Regulations 685/50, as amended.

OAK RIDGES MORAINE CONSERVATION PLAN AREA BOUNDARY

WELLHEAD PROTECTION AREA BOUNDARY
WP-2 WP-5 WP-10 WP-25
Zone Maps amended to indicate the 2, 5, 10, and 25 year Wellhead Protection Areas.

BY-LAW 2006-50
ZONE MAP 23
SCHEDULE "A"

0 135 270 540 m

TOWN OF CALEDON

Date: 3 April 2006
Revised: August 4, 2015

File: S:\POLICY SECTION\GIS\zoning_bylaw\2015_mxd

23

SECTION 2
ESTABLISHMENT OF ZONES

2.1 ZONES

The Provisions of this By-law apply to all lands within the limits of the Town of Caledon. All lands in the Town, with the exception of those lands within the Niagara Escarpment Plan Area that are subject to Development Control administered by the Niagara Escarpment Commission pursuant to the Niagara Escarpment Planning and Development Act and lands designated Environmental Policy Area and Open Space Policy Area within the Town's Official Plan are contained within one or more of the following *Zones*:

ZONE	SYMBOL
Residential Zones	
Estate Residential	**RE**
Rural Residential	**RR**
Residential One	**R1**
Residential Two	**R2**
Residential Townhouse	**RT**
Mixed Density Residential	**RMD**
Multiple Residential	**RM**
Commercial Zones	
Core Commercial	**CC**
Village Core Commercial	**CCV**
General Commercial	**C**
Neighbourhood Commercial	**CN**
Village Commercial	**CV**
Highway Commercial	**CH**
Bolton Highway Commercial	**CHB**
Village Highway Commercial	**CHV**
Tourist Camp Commercial	**CT**
Industrial Zones	
Prestige Industrial	**MP**
Serviced Industrial	**MS**
Unserviced Industrial	**MU**
Airport Industrial	**MA**
Extractive Industrial	**MX**
Waste Management Industrial	**MD**
Institutional Zone	
Institutional	**I**
Agricultural and Rural Zones	
Agricultural	**A1**
Agricultural –Oak Ridges Moraine	**A1-ORM**
Rural	**A2**
Rural – Oak Ridges Moraine	**A2-ORM**
Small Agricultural Holdings	**A3**
Small Agricultural Holdings – Oak Ridges Moraine	**A3-ORM**

Environmental Zones	
Environmental Policy Area 1 Zone	**EPA1**
Environmental Policy Area 1 Zone – Oak Ridges Moraine	**EPA1-ORM**
Environmental Policy Area 2 Zone	**EPA2**
Environmental Policy Area 1 Zone – Oak Ridges Moraine	**EPA2-ORM**
Open Space Zones	
Open Space	**OS**
Open Space – Oak Ridges Moraine	**OS-ORM**

2.2 ZONE SYMBOLS

The *Zone* symbols may be used in this By-law and on the Schedules to this By-law to refer to *lots*, *buildings* and *structures* and to the *use* of *lots*, *buildings* and *structures* permitted by this By-law.

2.3 ZONE SCHEDULES

The *Zones* and *Zone* boundaries are shown in SCHEDULE A, *Zone* Maps 1 through 88 and SCHEDULE B, Structural Envelope "SE" Maps are attached to and form part of this By-law.

2.4 DETERMINING ZONE BOUNDARIES

When determining the location of *zone* boundaries as shown in any Schedule forming part of this By-law, the following provisions shall apply:

i) a boundary indicated as following a highway, *street*, *lane*, railway right-of-way, utility corridor or watercourse shall be the centerline of such highway, *street*, *lane*, railway right-of-way, utility corridor or watercourse unless the context otherwise requires;

ii) a boundary indicated as following a shoreline shall follow such shoreline, and in the event of change in the shoreline, the boundary shall be construed as moving with the actual shoreline;

iii) a boundary indicated as following *lot lines* shown on a registered Plan of Subdivision, or the municipal boundaries of the Town of Caledon shall follow such *lot lines*;

iv) where a boundary is indicated as running parallel to a *street line* and the distance from the *street line* is not indicated, the boundary shall be deemed to be parallel to such a *street line* and the distance from the *street line* shall be determined according to the scale shown in the Schedule(s);

v) where none of the above provisions apply, the *Zone* boundary shall be scaled from the legally approved Schedule(s).

2.5 OVERLAY ZONES

i) Where a *zone* symbol in the Schedules to this By-law is followed by the suffix '**T**' – 'Temporary *Use*', the applicable provisions and regulations of the underlying *zone* shall continue to apply, subject to the additional temporary permitted *uses* and regulations contained in Section 13.4 of this By-law.

ii) Where lands fall within a *Wellhead Protection Area* boundary overlay on the Schedules to this By-law, the applicable provisions and regulations of the underlying *zone* shall continue to apply, subject to the applicable provisions of Subsection 4.38 of this By-law.

iii) Where a *zone* symbol on the Schedules to this By-law is followed by the suffix 'E' – 'Environmental Policy Area', the applicable standards of the underlying *zone* shall continue to apply, however the 'E' suffix identifies that such lands are designated Environmental Policy Area in the Town of Caledon Official Plan. Where an approval is required under the *Planning Act* for the use of land that is subject to an 'E' suffix, such an approval must address environmental matters in accordance with the applicable provisions of the Town of Caledon Official Plan prior to the granting of such approval

iv) Where a zone symbol on the Schedules to this By-law is followed by the suffix 'ORM' – 'Oak Ridges Moraine', the applicable standards of the underlying zone shall continue to apply, however, the 'ORM' suffix identifies that such lands are within the Oak Ridges Moraine Conservation Plan Area and are subject to the special provisions dealing with Areas of High Aquifer Vulnerability and Areas of Special Prohibitions for *Oak Ridges Moraine Conservation Plan Area* in Sections 4.27.2 and 4.27.3 (Prohibited Uses) and in accordance with Schedule D – ORMCP Areas of High Aquifer Vulnerability, Schedule E – ORMCP Areas of Special Prohibitions and Schedule F – Designated Agricultural Area within ORMCPA, of this By-law.

Lands within the Caledon East Secondary Plan Area and within the *Oak Ridges Moraine Conservation Plan Area* shall be subject to the special prohibitions of Sections 4.27.2 (Prohibited Uses) and Schedule E – ORMCP Areas of High Aquifer Vulnerability of this By-law.

2.6 SITE SPECIFIC ZONES

Where a *Zone* symbol in the attached Schedule(s) is followed by a dash and a number, such as **CV-128**, the symbol refers to a site-specific exception that applies to the lands noted. Site-specific exceptions are listed in Section 13 of this By-law. Unless specifically amended by the *Zone* Exception, all other provisions of the Parent *Zone* apply.

2.7 HOLDING ZONES

Notwithstanding any other provision in this By-law, where a *Zone* symbol is followed by the letter (**H**), no person shall *use* the land to which the letter (**H**) applies for any *use* other than the *use* which legally existed on the effective date of this By-law, until the (**H**) is removed in accordance with the policies of the Official Plan and the provisions of this By-law, as amended and/or the requirements of any amending By-law and the Planning Act, as amended.

2.8 CONSERVATION AUTHORITY REGULATIONS

No development shall be undertaken on lands that are subject to a regulation made under Subsection 29(1) of the Conservation Authorities Act without the permission of the relevant conservation authority.

2.9 DEFINITIONS

For the convenience of the reader, all words that are *italicized* are defined in Section 3 of this By-law.

APPENDIX E

Manufacturer's Sound Data

(2 Pages)

060 (5 tons): HVAC1-8,13-18
072 (6 tons): HVAC9-12, 19-22

TABLE 1: SOUND POWER RATING[1]

UNIT SIZE	CFM	ESP	BLOWER		SOUND POWER (db 10^{-12} Watts)									
					Octave Band Centerline Frequency (Hz)								SWL dB(A)	dB(A) @ 10Ft.[2]
		IWG	SPEED	KW	63	125	250	500	1,000	2,000	4,000	8,000		
036	1,200	0.6	LOW	0.60	84	84	74	67	69	62	57	52	74	41
048	1,600	0.55	HIGH	0.80	85	85	75	68	70	63	58	53	75	42
060	2,000	0.45	HIGH	1.00	86	86	76	69	71	64	59	54	76	43
072	2,200	0.3	HIGH	1.35	87	87	77	70	72	65	60	55	77	44

1. These values have been accessed using a model of sound propagation from a point source into the hemispheric\free field. The dBA values provided are to be used for reference only. Calculation of dBA values cover matters of system design and the fan manufacture has no way of knowing the details of each system. This constitutes and expectation to any specification or guarantee requiring a dBA value or sound data in any other form than sound power level ratings.
2. At a distance of 10 feet from the blower.

TABLE 2: CAPACITY RATINGS - (ARI 210/240)[1]

MODEL	MBH	EER[2]	SEER[3]
D(CE, CG)036	36.0	9.1	10.0
D(CE, CG)048	47.4	9.0	10.0
D(CE, CG)060	59.0	9.1	10.0
D(CE, CG)072	72.0	9.0	-

1. 80/67°F Indoor and 95°F outdoor.
2. EER = Energy Efficiency Ratio at full load - the cooling capacity in Btu's per hour (Btuh) divided by the power input in watts, expressed in Btuh per watt (Btuh/watt).
3. SEER = Seasonal Energy Efficiency Ratio.

TABLE 3: GAS HEAT RATINGS[1]

MODEL	MBH INPUT	MBH OUTPUT	AFUE (%)	TEMP RISE ºF
DCG036N040	50	40	80.9	15 - 45
DCG036N079	100	80	80.5	40 - 70
DCG048N060	75	60	80.9	25 - 55
DCG048N099	125	100	80.3	45 - 75
DCG060N079	100	80	80.5	25 - 55
DCG060N099	125	100	80.3	35 - 65
DCG072N079	100	80	80.5	25 - 55
DCG072N099	125	100	80.3	35 - 65

1. All units are single-stage heating.

GENERAC

16/20/22 kW specifications

Generator

Model	G007035-1, G007036-1, G007037-1 (16 kW)	G007038-1, G007039-1 (20 kW)	G007042-2, G007043-2 (22 kW)
Rated Maximum Continuous Power Capacity (LP)	16,000 Watts*	20,000 Watts*	22,000 Watts*
Rated Maximum Continuous Power Capacity (NG)	16,000 Watts*	18,000 Watts*	19,500 Watts *
Rated Voltage	240	240	240
Rated Maximum Continuous Load Current – 240 Volts (LP/NG)	66.7 / 66.7	83.3 / 75.0	91.7 / 81.3
Total Harmonic Distortion	Less than 5%	Less than 5%	Less than 5%
Main Line Circuit Breaker	70 Amp	90 Amp	100 Amp
Phase	1	1	1
Number of Rotor Poles	2	2	2
Rated AC Frequency	60 Hz	60 Hz	60Hz
Power Factor	1.0	1.0	1.0
Battery Requirement (not included)	12 Volts, Group 26R 540 CCA Minimum or Group 35AGM 650 CCA Minimum		
Unit Weight (lb/kg)	409 / 186	448 / 203	466 / 211
Dimensions (L x W x H) in/mm	48 x 25 x 29 / 1 218 x 638 x 732		
Sound output in dB(A) at 23 ft (7 m) with generator operating at normal load**	67	67	67
Sound output in dB(A) at 23 ft (7 m) with generator in Quiet-Test™ low-speed exercise mode**	55	55	57
Exercise duration	5 min	5 min	5 min

Generator GEN

Engine

Type of Engine		GENERAC G-Force 1000 Series		
Number of Cylinders		2	2	2
Displacement		999 cc	999 cc	999 cc
Cylinder Block		Aluminum w/ Cast Iron Sleeve		
Valve Arrangement		Overhead Valve	Overhead Valve	Overhead Valve
Ignition System		Solid-state w/ Magneto	Solid-state w/ Magneto	Solid-state w/ Magneto
Governor System		Electronic	Electronic	Electronic
Compression Ratio		9.5:1	9.5:1	9.5:1
Starter		12 VDC	12 VDC	12 VDC
Oil Capacity Including Filter		Approx. 1.9 qt / 1.8 L	Approx. 1.9 qt / 1.8 L	Approx. 1.9 qt / 1.8 L
Operating rpm		3,600	3,600	3,600
Fuel Consumption				
Natural Gas	ft^3/hr (m^3/hr)			
	1/2 Load	218 (6.17)	204 (5.78)	228 (6.46)
	Full Load	309 (8.75)	301 (8.52)	327 (9.26)
Liquid Propane	ft^3/hr (gal/hr) [l/hr]			
	1/2 Load	74 (2.03) [7.70]	87 (2.37) [8.99]	92 (2.53) [9.57]
	Full Load	107 (2.94) [11.11]	130 (3.56) [13.48]	142 (3.90) [14.77]

Note: **Fuel pipe must be sized for full load.** Required fuel pressure to generator fuel inlet at all load ranges - 3.5-7" water column (7-13 mm mercury) for natural gas, 10-12" water column (19-22 mm mercury) for LP gas. For BTU content, multiply ft^3/hr x 2500 (LP) or ft^3/hr x 1000 (NG). For Megajoule content, multiply m^3/hr x 93.15 (LP) or m^3/hr x 37.26 (NG)

Controls

Two-Line Plain Text Multilingual LCD Display	Simple user interface for ease of operation.
Mode Buttons:Auto	Automatic Start on Utility failure. 7 day exerciser.
Manual	Start with starter control, unit stays on. If utility fails, transfer to load takes place.
Off	Stops unit. Power is removed. Control and charger still operate.
Ready to Run/Maintenance Messages	Standard
Engine Run Hours Indication	Standard
Programmable start delay between 2-1500 seconds	Standard (programmable by dealer only)
Utility Voltage Loss/Return to Utility Adjustable (Brownout Setting)	From 140-171 V / 190-216 V
Future Set Capable Exerciser/Exercise Set Error Warning	Standard
Run/Alarm/Maintenance Logs	50 Events Each
Engine Start Sequence	Cyclic cranking: 16 sec on, 7 rest (90 sec maximum duration).
Starter Lock-out	Starter cannot re-engage until 5 sec after engine has stopped.
Smart Battery Charger	Standard
Charger Fault/Missing AC Warning	Standard
Low Battery/Battery Problem Protection and Battery Condition Indication	Standard
Automatic Voltage Regulation with Over and Under Voltage Protection	Standard
Under-Frequency/Overload/Stepper Overcurrent Protection	Standard
Safety Fused/Fuse Problem Protection	Standard
Automatic Low Oil Pressure/High Oil Temperature Shutdown	Standard
Overcrank/Overspeed (@ 72 Hz)/rpm Sense Loss Shutdown	Standard
High Engine Temperature Shutdown	Standard
Internal Fault/Incorrect Wiring Protection	Standard
Common External Fault Capability	Standard
Field Upgradable Firmware	Standard

**Sound levels are taken from the front of the generator. Sound levels taken from other sides of the generator may be higher depending on installation parameters. Rating definitions - Standby: Applicable for supplying emergency power for the duration of the utility power outage. No overload capability is available for this rating. (All ratings in accordance with BS5514, ISO3046 and DIN6271). * Maximum kilovolt amps and current are subject to and limited by such factors as fuel Btu/megajoule content, ambient temperature, altitude, engine power and condition, etc. Maximum power decreases about 3.5 percent for each 1,000 feet (304.8 meters) above sea level; and also will decrease about 1 percent for each 6 °C (10 °F) above 16 °C (60 °F).

APPENDIX F

Traffic Data and STAMSON Calculations

(15 Pages)

Table F1 - Summary of Traffic Data and Projections

	King Street (2019)	Centreville Creek Road (2019)	Notes
AADT	11118	1389	Provided by Region of Peel and Town of Caledon
Annual Growth	2.5%	2.5%	Advised by the Region of Peel
Years of Growth	12	12	Projected to year 2031
AADT - 2031	14952	1868	Projected to year 2031
Day Split [1]	90%	80%	As per the MTO Protocol
Cars	13622	1805	Based on the Region/Town Traffic Reports
Medium Trucks	553	33	Based on the Region/Town Traffic Reports
Heavy Trucks	778	30	Based on the Region/Town Traffic Reports

Notes

[1]. A split of 80/20 was used to ensure the nighttime lowest vehicle volume meets the minimum 40 vehicles per hour requirement.

```
STAMSON 5.0        NORMAL REPORT        Date: 11-11-2020 13:07:10
MINISTRY OF ENVIRONMENT AND ENERGY / NOISE ASSESSMENT

Filename: smv_fr.te            Time Period: Day/Night 16/8 hours
Description: Traffic Noise Impact at Onsite Receptor ON_R1


Road data, segment # 1: King (day/night)
----------------------------------------
Car traffic volume  : 12260/1362  veh/TimePeriod  *
Medium truck volume :   498/55    veh/TimePeriod  *
Heavy truck volume  :   700/78    veh/TimePeriod  *
Posted speed limit  :    80 km/h
Road gradient       :     0 %
Road pavement       :     1 (Typical asphalt or concrete)

* Refers to calculated road volumes based on the following input:

    24 hr Traffic Volume (AADT or SADT):  11118
    Percentage of Annual Growth        :   2.50
    Number of Years of Growth          :  12.00
    Medium Truck % of Total Volume     :   3.70
    Heavy Truck  % of Total Volume     :   5.20
    Day (16 hrs) % of Total Volume     :  90.00

Data for Segment # 1: King (day/night)
----------------------------------------
Angle1   Angle2           : -90.00 deg   90.00 deg
Wood depth                :      0       (No woods.)
No of house rows          :      0 / 0
Surface                   :      1       (Absorptive ground surface)
Receiver source distance  :  79.00 / 79.00  m
Receiver height           :   5.30 / 5.30   m
Topography                :      1       (Flat/gentle slope; no barrier)
Reference angle           :   0.00


Road data, segment # 2: Creek (day/night)
----------------------------------------
Car traffic volume  :  1444/361   veh/TimePeriod  *
Medium truck volume :    26/7     veh/TimePeriod  *
Heavy truck volume  :    24/6     veh/TimePeriod  *
Posted speed limit  :    80 km/h
Road gradient       :     0 %
Road pavement       :     1 (Typical asphalt or concrete)

* Refers to calculated road volumes based on the following input:

    24 hr Traffic Volume (AADT or SADT):   1389
    Percentage of Annual Growth        :   2.50
    Number of Years of Growth          :  12.00
    Medium Truck % of Total Volume     :   1.76
    Heavy Truck  % of Total Volume     :   1.60
    Day (16 hrs) % of Total Volume     :  80.00
```

```
Data for Segment # 2: Creek (day/night)
----------------------------------------
Angle1   Angle2           :   0.00 deg   90.00 deg
Wood depth                :      0       (No woods.)
No of house rows          :      0 / 0
Surface                   :      2       (Reflective ground surface)
Receiver source distance  : 145.00 / 145.00 m
Receiver height           :   5.30 / 5.30   m
Topography                :      1       (Flat/gentle slope; no barrier)
Reference angle           :   0.00


Results segment # 1: King (day)
--------------------------------

Source height = 1.51 m

ROAD (0.00 + 59.56 + 0.00) = 59.56 dBA
Angle1 Angle2  Alpha RefLeq  P.Adj  D.Adj  F.Adj  W.Adj  H.Adj  B.Adj
SubLeq
-------------------------------------------------------------------------------
---
   -90     90   0.55  71.97   0.00 -11.15  -1.26   0.00   0.00   0.00
59.56
-------------------------------------------------------------------------------
---

Segment Leq : 59.56 dBA


Results segment # 2: Creek (day)
--------------------------------

Source height = 1.13 m

ROAD (0.00 + 47.00 + 0.00) = 47.00 dBA
Angle1 Angle2  Alpha RefLeq  P.Adj  D.Adj  F.Adj  W.Adj  H.Adj  B.Adj
SubLeq
-------------------------------------------------------------------------------
---
     0     90   0.00  59.87   0.00  -9.85  -3.01   0.00   0.00   0.00
47.00
-------------------------------------------------------------------------------
---

Segment Leq : 47.00 dBA

Total Leq All Segments: 59.79 dBA


Results segment # 1: King (night)
--------------------------------
```

Source height = 1.51 m

ROAD (0.00 + 53.03 + 0.00) = 53.03 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.55	65.45	0.00	-11.15	-1.26	0.00	0.00	0.00	53.03

Segment Leq : 53.03 dBA

Results segment # 2: Creek (night)

Source height = 1.13 m

ROAD (0.00 + 44.04 + 0.00) = 44.04 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.00	56.90	0.00	-9.85	-3.01	0.00	0.00	0.00	44.04

Segment Leq : 44.04 dBA

Total Leq All Segments: 53.55 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 59.79
(NIGHT): 53.55

```
STAMSON 5.0        NORMAL REPORT        Date: 11-11-2020 13:09:49
MINISTRY OF ENVIRONMENT AND ENERGY / NOISE ASSESSMENT

Filename: smv_02fr.te          Time Period: Day/Night 16/8 hours
Description: Traffic Noise Impact at Onsite Receptor ON_R2


Road data, segment # 1: King (day/night)
---------------------------------------
Car traffic volume  : 12260/1362  veh/TimePeriod  *
Medium truck volume :   498/55    veh/TimePeriod  *
Heavy truck volume  :   700/78    veh/TimePeriod  *
Posted speed limit  :    80 km/h
Road gradient       :     0 %
Road pavement       :     1 (Typical asphalt or concrete)

* Refers to calculated road volumes based on the following input:

    24 hr Traffic Volume (AADT or SADT):  11118
    Percentage of Annual Growth        :   2.50
    Number of Years of Growth          :  12.00
    Medium Truck % of Total Volume     :   3.70
    Heavy Truck  % of Total Volume     :   5.20
    Day (16 hrs) % of Total Volume     :  90.00

Data for Segment # 1: King (day/night)
---------------------------------------
Angle1   Angle2           : -90.00 deg   90.00 deg
Wood depth                :      0       (No woods.)
No of house rows          :      0 / 0
Surface                   :      1       (Absorptive ground surface)
Receiver source distance  : 100.00 / 100.00 m
Receiver height           :   4.50 / 4.50   m
Topography                :      1       (Flat/gentle slope; no barrier)
Reference angle           :   0.00


Road data, segment # 2: Creek (day/night)
---------------------------------------
Car traffic volume  :  1444/361   veh/TimePeriod  *
Medium truck volume :    26/7     veh/TimePeriod  *
Heavy truck volume  :    24/6     veh/TimePeriod  *
Posted speed limit  :    80 km/h
Road gradient       :     0 %
Road pavement       :     1 (Typical asphalt or concrete)

* Refers to calculated road volumes based on the following input:

    24 hr Traffic Volume (AADT or SADT):   1389
    Percentage of Annual Growth        :   2.50
    Number of Years of Growth          :  12.00
    Medium Truck % of Total Volume     :   1.76
    Heavy Truck  % of Total Volume     :   1.60
    Day (16 hrs) % of Total Volume     :  80.00
```

```
Data for Segment # 2: Creek (day/night)
----------------------------------------
Angle1   Angle2           :   0.00 deg   90.00 deg
Wood depth                :      0       (No woods.)
No of house rows          :      0 / 0
Surface                   :      2       (Reflective ground surface)
Receiver source distance  : 103.00 / 103.00 m
Receiver height           :   4.50 / 4.50   m
Topography                :      1       (Flat/gentle slope; no barrier)
Reference angle           :   0.00


Results segment # 1: King (day)
--------------------------------

Source height = 1.51 m

ROAD (0.00 + 57.74 + 0.00) = 57.74 dBA
Angle1 Angle2  Alpha RefLeq  P.Adj  D.Adj  F.Adj  W.Adj  H.Adj  B.Adj
SubLeq
-------------------------------------------------------------------------------
---
   -90     90   0.57  71.97   0.00 -12.93  -1.30   0.00   0.00   0.00
57.74
-------------------------------------------------------------------------------
---

Segment Leq : 57.74 dBA


Results segment # 2: Creek (day)
--------------------------------

Source height = 1.13 m

ROAD (0.00 + 48.49 + 0.00) = 48.49 dBA
Angle1 Angle2  Alpha RefLeq  P.Adj  D.Adj  F.Adj  W.Adj  H.Adj  B.Adj
SubLeq
-------------------------------------------------------------------------------
---
     0     90   0.00  59.87   0.00  -8.37  -3.01   0.00   0.00   0.00
48.49
-------------------------------------------------------------------------------
---

Segment Leq : 48.49 dBA

Total Leq All Segments: 58.23 dBA


Results segment # 1: King (night)
--------------------------------
```

Source height = 1.51 m

ROAD (0.00 + 51.21 + 0.00) = 51.21 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.57	65.45	0.00	-12.93	-1.30	0.00	0.00	0.00	51.21

Segment Leq : 51.21 dBA

Results segment # 2: Creek (night)

Source height = 1.13 m

ROAD (0.00 + 45.52 + 0.00) = 45.52 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.00	56.90	0.00	-8.37	-3.01	0.00	0.00	0.00	45.52

Segment Leq : 45.52 dBA

Total Leq All Segments: 52.25 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 58.23
(NIGHT): 52.25

STAMSON 5.0 NORMAL REPORT Date: 11-11-2020 13:16:09
MINISTRY OF ENVIRONMENT AND ENERGY / NOISE ASSESSMENT

Filename: smv_02e1.te Time Period: Day/Night 16/8 hours
Description: Traffic Noise Impact at Onsite Receptor ON_R3

Road data, segment # 1: King (day/night)

Car traffic volume	: 12260/1362	veh/TimePeriod *
Medium truck volume	: 498/55	veh/TimePeriod *
Heavy truck volume	: 700/78	veh/TimePeriod *
Posted speed limit	: 80 km/h	
Road gradient	: 0 %	
Road pavement	: 1 (Typical asphalt or concrete)	

* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT)	11118
Percentage of Annual Growth	2.50
Number of Years of Growth	12.00
Medium Truck % of Total Volume	3.70
Heavy Truck % of Total Volume	5.20
Day (16 hrs) % of Total Volume	90.00

Data for Segment # 1: King (day/night)

Angle1 Angle2	: 0.00 deg	90.00 deg
Wood depth	: 0	(No woods.)
No of house rows	: 0 / 0	
Surface	: 2	(Reflective ground surface)
Receiver source distance	: 105.00 / 105.00 m	
Receiver height	: 4.50 / 4.50 m	
Topography	: 1	(Flat/gentle slope; no barrier)
Reference angle	: 0.00	

Road data, segment # 2: Creek (day/night)

Car traffic volume	: 1444/361	veh/TimePeriod *
Medium truck volume	: 26/7	veh/TimePeriod *
Heavy truck volume	: 24/6	veh/TimePeriod *
Posted speed limit	: 80 km/h	
Road gradient	: 0 %	
Road pavement	: 1 (Typical asphalt or concrete)	

* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT)	1389
Percentage of Annual Growth	2.50
Number of Years of Growth	12.00
Medium Truck % of Total Volume	1.76
Heavy Truck % of Total Volume	1.60
Day (16 hrs) % of Total Volume	80.00

```
Data for Segment # 2: Creek (day/night)
----------------------------------------
Angle1   Angle2           : -90.00 deg   90.00 deg
Wood depth                :      0       (No woods.)
No of house rows          :      0 / 0
Surface                   :      2       (Reflective ground surface)
Receiver source distance  : 100.00 / 100.00 m
Receiver height           :   4.50 / 4.50   m
Topography                :      1       (Flat/gentle slope; no barrier)
Reference angle           :   0.00


Results segment # 1: King (day)
--------------------------------

Source height = 1.51 m

ROAD (0.00 + 60.51 + 0.00) = 60.51 dBA
Angle1 Angle2  Alpha RefLeq  P.Adj  D.Adj  F.Adj  W.Adj  H.Adj  B.Adj
SubLeq
-------------------------------------------------------------------------
---
     0     90   0.00  71.97   0.00  -8.45  -3.01   0.00   0.00   0.00
60.51
-------------------------------------------------------------------------
---

Segment Leq : 60.51 dBA


Results segment # 2: Creek (day)
--------------------------------

Source height = 1.13 m

ROAD (0.00 + 51.63 + 0.00) = 51.63 dBA
Angle1 Angle2  Alpha RefLeq  P.Adj  D.Adj  F.Adj  W.Adj  H.Adj  B.Adj
SubLeq
-------------------------------------------------------------------------
---
   -90     90   0.00  59.87   0.00  -8.24   0.00   0.00   0.00   0.00
51.63
-------------------------------------------------------------------------
---

Segment Leq : 51.63 dBA

Total Leq All Segments: 61.04 dBA


Results segment # 1: King (night)
--------------------------------
```

Source height = 1.51 m

ROAD (0.00 + 53.98 + 0.00) = 53.98 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.00	65.45	0.00	-8.45	-3.01	0.00	0.00	0.00	53.98

Segment Leq : 53.98 dBA

Results segment # 2: Creek (night)

Source height = 1.13 m

ROAD (0.00 + 48.66 + 0.00) = 48.66 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.00	56.90	0.00	-8.24	0.00	0.00	0.00	0.00	48.66

Segment Leq : 48.66 dBA

Total Leq All Segments: 55.10 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 61.04
(NIGHT): 55.10

STAMSON 5.0 NORMAL REPORT Date: 11-11-2020 13:14:46
MINISTRY OF ENVIRONMENT AND ENERGY / NOISE ASSESSMENT

Filename: smv_02e2.te Time Period: Day/Night 16/8 hours
Description: Traffic Noise Impact at Onsite Receptor ON_R4

Road data, segment # 1: King (day/night)

Car traffic volume	: 12260/1362	veh/TimePeriod *
Medium truck volume	: 498/55	veh/TimePeriod *
Heavy truck volume	: 700/78	veh/TimePeriod *
Posted speed limit	: 80 km/h	
Road gradient	: 0 %	
Road pavement	: 1 (Typical asphalt or concrete)	

* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT)	11118
Percentage of Annual Growth	2.50
Number of Years of Growth	12.00
Medium Truck % of Total Volume	3.70
Heavy Truck % of Total Volume	5.20
Day (16 hrs) % of Total Volume	90.00

Data for Segment # 1: King (day/night)

Angle1 Angle2	: 0.00 deg	90.00 deg
Wood depth	: 0	(No woods.)
No of house rows	: 0 / 0	
Surface	: 2	(Reflective ground surface)
Receiver source distance	: 140.00 / 140.00 m	
Receiver height	: 4.50 / 4.50 m	
Topography	: 1	(Flat/gentle slope; no barrier)
Reference angle	: 0.00	

Road data, segment # 2: Creek (day/night)

Car traffic volume	: 1444/361	veh/TimePeriod *
Medium truck volume	: 26/7	veh/TimePeriod *
Heavy truck volume	: 24/6	veh/TimePeriod *
Posted speed limit	: 80 km/h	
Road gradient	: 0 %	
Road pavement	: 1 (Typical asphalt or concrete)	

* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT)	1389
Percentage of Annual Growth	2.50
Number of Years of Growth	12.00
Medium Truck % of Total Volume	1.76
Heavy Truck % of Total Volume	1.60
Day (16 hrs) % of Total Volume	80.00

```
Data for Segment # 2: Creek (day/night)
----------------------------------------
Angle1   Angle2           : -90.00 deg   90.00 deg
Wood depth                :      0       (No woods.)
No of house rows          :      0 / 0
Surface                   :      2       (Reflective ground surface)
Receiver source distance  :  96.00 / 96.00  m
Receiver height           :   4.50 / 4.50   m
Topography                :      1       (Flat/gentle slope; no barrier)
Reference angle           :   0.00


Results segment # 1: King (day)
--------------------------------

Source height = 1.51 m

ROAD (0.00 + 59.26 + 0.00) = 59.26 dBA
Angle1 Angle2  Alpha RefLeq  P.Adj  D.Adj  F.Adj  W.Adj  H.Adj  B.Adj
SubLeq
-------------------------------------------------------------------------------
---
     0     90   0.00  71.97   0.00  -9.70  -3.01   0.00   0.00   0.00
59.26
-------------------------------------------------------------------------------
---

Segment Leq : 59.26 dBA


Results segment # 2: Creek (day)
--------------------------------

Source height = 1.13 m

ROAD (0.00 + 51.81 + 0.00) = 51.81 dBA
Angle1 Angle2  Alpha RefLeq  P.Adj  D.Adj  F.Adj  W.Adj  H.Adj  B.Adj
SubLeq
-------------------------------------------------------------------------------
---
   -90     90   0.00  59.87   0.00  -8.06   0.00   0.00   0.00   0.00
51.81
-------------------------------------------------------------------------------
---

Segment Leq : 51.81 dBA

Total Leq All Segments: 59.98 dBA


Results segment # 1: King (night)
--------------------------------
```

Source height = 1.51 m

ROAD (0.00 + 52.74 + 0.00) = 52.74 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.00	65.45	0.00	-9.70	-3.01	0.00	0.00	0.00	52.74

Segment Leq : 52.74 dBA

Results segment # 2: Creek (night)

Source height = 1.13 m

ROAD (0.00 + 48.84 + 0.00) = 48.84 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.00	56.90	0.00	-8.06	0.00	0.00	0.00	0.00	48.84

Segment Leq : 48.84 dBA

Total Leq All Segments: 54.22 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 59.98
(NIGHT): 54.22

```
STAMSON 5.0        NORMAL REPORT        Date: 11-11-2020 11:02:15
MINISTRY OF ENVIRONMENT AND ENERGY / NOISE ASSESSMENT

Filename: smv_R5.te            Time Period: Day/Night 16/8 hours
Description: Traffic Noise Impact at Onsite Receptor ON_R5


Road data, segment # 1: King (day/night)
----------------------------------------
Car traffic volume  : 12260/1362  veh/TimePeriod  *
Medium truck volume :   498/55    veh/TimePeriod  *
Heavy truck volume  :   700/78    veh/TimePeriod  *
Posted speed limit  :    80 km/h
Road gradient       :     0 %
Road pavement       :     1 (Typical asphalt or concrete)

* Refers to calculated road volumes based on the following input:

    24 hr Traffic Volume (AADT or SADT):  11118
    Percentage of Annual Growth        :   2.50
    Number of Years of Growth          :  12.00
    Medium Truck % of Total Volume     :   3.70
    Heavy Truck  % of Total Volume     :   5.20
    Day (16 hrs) % of Total Volume     :  90.00

Data for Segment # 1: King (day/night)
--------------------------------------
Angle1   Angle2           : -90.00 deg   60.00 deg
Wood depth                :      0       (No woods.)
No of house rows          :      0 / 0
Surface                   :      1       (Absorptive ground surface)
Receiver source distance  :  79.00 / 79.00  m
Receiver height           :   5.30 / 5.30   m
Topography                :      1       (Flat/gentle slope; no barrier)
Reference angle           :   0.00


Results segment # 1: King (day)
-------------------------------

Source height = 1.51 m

ROAD (0.00 + 59.10 + 0.00) = 59.10 dBA
Angle1 Angle2  Alpha RefLeq  P.Adj  D.Adj  F.Adj  W.Adj  H.Adj  B.Adj
SubLeq
-------------------------------------------------------------------------------
---
   -90     60   0.55  71.97   0.00 -11.15  -1.72   0.00   0.00   0.00
59.10
-------------------------------------------------------------------------------
---

Segment Leq : 59.10 dBA
```

Total Leq All Segments: 59.10 dBA

Results segment # 1: King (night)

Source height = 1.51 m

ROAD (0.00 + 52.58 + 0.00) = 52.58 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	60	0.55	65.45	0.00	-11.15	-1.72	0.00	0.00	0.00	52.58

Segment Leq : 52.58 dBA

Total Leq All Segments: 52.58 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 59.10
(NIGHT): 52.58

APPENDIX G

Warning Clause

(1 Page)

Warning Clause Type C

“This dwelling unit has been designed with the provision for adding central air conditioning at the occupant’s discretion. Installation of central air conditioning by the occupant in low and medium density developments will allow windows and exterior doors to remain closed, thereby ensuring that the indoor sound levels are within the sound level limits of the Municipality and the Ministry of the Environment.”

APPENDIX H

CadnaA Output

(10 Pages)

Receiver
Name: R1
ID: R1
X: 597029.49 m
Y: 4855635.22 m
Z: 1.50 m

Point Source, ISO 9613, Name: "General Exhaust", ID: "EX5"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
1	597091.96	4855639.22	10.00	0	D	32	43.7	0.0	0.0	0.0	0.0	47.0	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	-0.3
1	597091.96	4855639.22	10.00	0	D	63	56.7	0.0	0.0	0.0	0.0	47.0	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	12.7
1	597091.96	4855639.22	10.00	0	D	125	71.2	0.0	0.0	0.0	0.0	47.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	24.4
1	597091.96	4855639.22	10.00	0	D	250	72.2	0.0	0.0	0.0	0.0	47.0	0.1	3.1	0.0	0.0	0.0	0.0	0.0	22.0
1	597091.96	4855639.22	10.00	0	D	500	72.3	0.0	0.0	0.0	0.0	47.0	0.1	2.0	0.0	0.0	0.0	0.0	0.0	23.3
1	597091.96	4855639.22	10.00	0	D	1000	72.8	0.0	0.0	0.0	0.0	47.0	0.2	-0.4	0.0	0.0	0.0	0.0	0.0	25.9
1	597091.96	4855639.22	10.00	0	D	2000	70.4	0.0	0.0	0.0	0.0	47.0	0.6	-0.7	0.0	0.0	0.0	0.0	0.0	23.5
1	597091.96	4855639.22	10.00	0	D	4000	63.3	0.0	0.0	0.0	0.0	47.0	2.1	-0.7	0.0	0.0	0.0	0.0	0.0	15.0
1	597091.96	4855639.22	10.00	0	D	8000	52.4	0.0	0.0	0.0	0.0	47.0	7.4	-0.7	0.0	0.0	0.0	0.0	0.0	-1.3
2	597091.96	4855639.22	10.00	1	D	125	71.2	0.0	0.0	0.0	0.0	50.0	0.0	-0.6	0.0	0.0	5.4	0.0	1.0	15.4
2	597091.96	4855639.22	10.00	1	D	250	72.2	0.0	0.0	0.0	0.0	50.0	0.1	3.1	0.0	0.0	2.9	0.0	1.0	15.1
2	597091.96	4855639.22	10.00	1	D	500	72.3	0.0	0.0	0.0	0.0	50.0	0.2	1.9	0.0	0.0	5.1	0.0	1.0	14.2
2	597091.96	4855639.22	10.00	1	D	1000	72.8	0.0	0.0	0.0	0.0	50.0	0.3	-0.7	0.0	0.0	8.5	0.0	1.0	13.8
2	597091.96	4855639.22	10.00	1	D	2000	70.4	0.0	0.0	0.0	0.0	50.0	0.9	-1.1	0.0	0.0	10.5	0.0	1.0	9.3
2	597091.96	4855639.22	10.00	1	D	4000	63.3	0.0	0.0	0.0	0.0	50.0	2.9	-1.1	0.0	0.0	12.8	0.0	1.0	-2.2
2	597091.96	4855639.22	10.00	1	D	8000	52.4	0.0	0.0	0.0	0.0	50.0	10.4	-1.1	0.0	0.0	15.5	0.0	1.0	-23.3

Point Source, ISO 9613, Name: "Make-up Air Unit", ID: "MUA1"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
10	597109.53	4855616.13	10.75	0	D	32	55.5	0.0	0.0	0.0	0.0	49.4	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	4.3
10	597109.53	4855616.13	10.75	0	D	63	72.8	0.0	0.0	0.0	0.0	49.4	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	21.6
10	597109.53	4855616.13	10.75	0	D	125	72.6	0.0	0.0	0.0	0.0	49.4	0.0	-0.3	0.0	0.0	4.8	0.0	0.0	18.7
10	597109.53	4855616.13	10.75	0	D	250	71.0	0.0	0.0	0.0	0.0	49.4	0.1	3.8	0.0	0.0	1.1	0.0	0.0	16.7
10	597109.53	4855616.13	10.75	0	D	500	74.3	0.0	0.0	0.0	0.0	49.4	0.2	2.4	0.0	0.0	2.6	0.0	0.0	19.7
10	597109.53	4855616.13	10.75	0	D	1000	75.7	0.0	0.0	0.0	0.0	49.4	0.3	-0.4	0.0	0.0	5.2	0.0	0.0	21.3
10	597109.53	4855616.13	10.75	0	D	2000	70.9	0.0	0.0	0.0	0.0	49.4	0.8	-0.9	0.0	0.0	5.6	0.0	0.0	16.0
10	597109.53	4855616.13	10.75	0	D	4000	63.9	0.0	0.0	0.0	0.0	49.4	2.7	-0.9	0.0	0.0	6.3	0.0	0.0	6.3
10	597109.53	4855616.13	10.75	0	D	8000	60.5	0.0	0.0	0.0	0.0	49.4	9.7	-0.9	0.0	0.0	7.5	0.0	0.0	-5.2

Point Source, ISO 9613, Name: "General Exhaust", ID: "EX6"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
19	597099.57	4855633.23	10.00	0	D	32	43.7	0.0	0.0	0.0	0.0	48.0	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	-6.1
19	597099.57	4855633.23	10.00	0	D	63	56.7	0.0	0.0	0.0	0.0	48.0	0.0	-3.0	0.0	0.0	4.9	0.0	0.0	6.9
19	597099.57	4855633.23	10.00	0	D	125	71.2	0.0	0.0	0.0	0.0	48.0	0.0	-0.5	0.0	0.0	4.9	0.0	0.0	18.8
19	597099.57	4855633.23	10.00	0	D	250	72.2	0.0	0.0	0.0	0.0	48.0	0.1	2.8	0.0	0.0	2.3	0.0	0.0	19.0
19	597099.57	4855633.23	10.00	0	D	500	72.3	0.0	0.0	0.0	0.0	48.0	0.1	1.7	0.0	0.0	3.7	0.0	0.0	18.8
19	597099.57	4855633.23	10.00	0	D	1000	72.8	0.0	0.0	0.0	0.0	48.0	0.3	-0.6	0.0	0.0	6.0	0.0	0.0	19.2
19	597099.57	4855633.23	10.00	0	D	2000	70.4	0.0	0.0	0.0	0.0	48.0	0.7	-1.0	0.0	0.0	7.0	0.0	0.0	15.7
19	597099.57	4855633.23	10.00	0	D	4000	63.3	0.0	0.0	0.0	0.0	48.0	2.3	-1.0	0.0	0.0	8.4	0.0	0.0	5.6
19	597099.57	4855633.23	10.00	0	D	8000	52.4	0.0	0.0	0.0	0.0	48.0	8.3	-1.0	0.0	0.0	10.4	0.0	0.0	-13.3
25	597099.57	4855633.23	10.00	1	D	63	56.7	0.0	0.0	0.0	0.0	49.1	0.0	-3.0	0.0	0.0	5.2	0.0	1.0	4.5
25	597099.57	4855633.23	10.00	1	D	125	71.2	0.0	0.0	0.0	0.0	49.1	0.0	-0.6	0.0	0.0	5.5	0.0	1.0	16.2
25	597099.57	4855633.23	10.00	1	D	250	72.2	0.0	0.0	0.0	0.0	49.1	0.1	2.7	0.0	0.0	3.4	0.0	1.0	15.9
25	597099.57	4855633.23	10.00	1	D	500	72.3	0.0	0.0	0.0	0.0	49.1	0.2	1.6	0.0	0.0	5.6	0.0	1.0	14.9
25	597099.57	4855633.23	10.00	1	D	1000	72.8	0.0	0.0	0.0	0.0	49.1	0.3	-0.8	0.0	0.0	8.7	0.0	1.0	14.5
25	597099.57	4855633.23	10.00	1	D	2000	70.4	0.0	0.0	0.0	0.0	49.1	0.8	-1.1	0.0	0.0	10.7	0.0	1.0	9.9
25	597099.57	4855633.23	10.00	1	D	4000	63.3	0.0	0.0	0.0	0.0	49.1	2.6	-1.1	0.0	0.0	13.1	0.0	1.0	-1.4
25	597099.57	4855633.23	10.00	1	D	8000	52.4	0.0	0.0	0.0	0.0	49.1	9.4	-1.1	0.0	0.0	15.8	0.0	1.0	-21.8
32	597099.57	4855633.23	10.00	1	D	250	72.2	0.0	0.0	0.0	0.0	51.4	0.1	4.2	0.0	0.0	0.0	0.0	1.0	15.4
32	597099.57	4855633.23	10.00	1	D	500	72.3	0.0	0.0	0.0	0.0	51.4	0.2	2.8	0.0	0.0	0.0	0.0	1.0	17.0
32	597099.57	4855633.23	10.00	1	D	1000	72.8	0.0	0.0	0.0	0.0	51.4	0.4	-0.3	0.0	0.0	0.0	0.0	1.0	20.3

Point Source, ISO 9613, Name: "General Exhaust", ID: "EX6"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	I/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
32	597099.57	4855633.23	10.00	1	D	2000	70.4	0.0	0.0	0.0	0.0	51.4	1.0	-0.7	0.0	0.0	0.0	0.0	1.0	17.7
32	597099.57	4855633.23	10.00	1	D	4000	63.3	0.0	0.0	0.0	0.0	51.4	3.4	-0.7	0.0	0.0	0.0	0.0	1.0	8.2
32	597099.57	4855633.23	10.00	1	D	8000	52.4	0.0	0.0	0.0	0.0	51.4	12.2	-0.7	0.0	0.0	0.0	0.0	1.0	-11.6

Point Source, ISO 9613, Name: "General Exhaust", ID: "EX7"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	I/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
39	597102.76	4855621.20	10.75	0	D	32	43.7	0.0	0.0	0.0	0.0	48.5	0.0	-3.0	0.0	0.0	1.9	0.0	0.0	-3.7
39	597102.76	4855621.20	10.75	0	D	63	56.7	0.0	0.0	0.0	0.0	48.5	0.0	-3.0	0.0	0.0	2.1	0.0	0.0	9.1
39	597102.76	4855621.20	10.75	0	D	125	71.2	0.0	0.0	0.0	0.0	48.5	0.0	-0.5	0.0	0.0	2.3	0.0	0.0	20.9
39	597102.76	4855621.20	10.75	0	D	250	72.2	0.0	0.0	0.0	0.0	48.5	0.1	3.1	0.0	0.0	0.6	0.0	0.0	19.9
39	597102.76	4855621.20	10.75	0	D	500	72.3	0.0	0.0	0.0	0.0	48.5	0.1	1.9	0.0	0.0	1.8	0.0	0.0	19.9
39	597102.76	4855621.20	10.75	0	D	1000	72.8	0.0	0.0	0.0	0.0	48.5	0.3	-0.6	0.0	0.0	3.8	0.0	0.0	20.8
39	597102.76	4855621.20	10.75	0	D	2000	70.4	0.0	0.0	0.0	0.0	48.5	0.7	-1.0	0.0	0.0	4.3	0.0	0.0	17.8
39	597102.76	4855621.20	10.75	0	D	4000	63.3	0.0	0.0	0.0	0.0	48.5	2.5	-1.0	0.0	0.0	4.9	0.0	0.0	8.4
39	597102.76	4855621.20	10.75	0	D	8000	52.4	0.0	0.0	0.0	0.0	48.5	8.8	-1.0	0.0	0.0	5.5	0.0	0.0	-9.5
51	597102.76	4855621.20	10.75	1	D	250	72.2	0.0	0.0	0.0	0.0	52.3	0.1	4.3	0.0	0.0	0.0	0.0	1.0	14.4
51	597102.76	4855621.20	10.75	1	D	500	72.3	0.0	0.0	0.0	0.0	52.3	0.2	2.8	0.0	0.0	0.0	0.0	1.0	16.0
51	597102.76	4855621.20	10.75	1	D	1000	72.8	0.0	0.0	0.0	0.0	52.3	0.4	-0.3	0.0	0.0	0.0	0.0	1.0	19.4
51	597102.76	4855621.20	10.75	1	D	2000	70.4	0.0	0.0	0.0	0.0	52.3	1.1	-0.8	0.0	0.0	0.0	0.0	1.0	16.7
51	597102.76	4855621.20	10.75	1	D	4000	63.3	0.0	0.0	0.0	0.0	52.3	3.8	-0.8	0.0	0.0	0.0	0.0	1.0	6.9
51	597102.76	4855621.20	10.75	1	D	8000	52.4	0.0	0.0	0.0	0.0	52.3	13.6	-0.8	0.0	0.0	0.0	0.0	1.0	-13.8

Point Source, ISO 9613, Name: "Make-up Air Unit", ID: "MUA2"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	I/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
58	597135.89	4855637.65	10.75	0	D	32	55.5	0.0	0.0	0.0	0.0	51.6	0.0	-3.0	0.0	0.0	3.6	0.0	0.0	3.3
58	597135.89	4855637.65	10.75	0	D	63	72.8	0.0	0.0	0.0	0.0	51.6	0.0	-3.0	0.0	0.0	4.4	0.0	0.0	19.8
58	597135.89	4855637.65	10.75	0	D	125	72.6	0.0	0.0	0.0	0.0	51.6	0.0	-0.4	0.0	0.0	5.1	0.0	0.0	16.3
58	597135.89	4855637.65	10.75	0	D	250	71.0	0.0	0.0	0.0	0.0	51.6	0.1	3.6	0.0	0.0	2.4	0.0	0.0	13.4
58	597135.89	4855637.65	10.75	0	D	500	74.3	0.0	0.0	0.0	0.0	51.6	0.2	2.2	0.0	0.0	4.7	0.0	0.0	15.6
58	597135.89	4855637.65	10.75	0	D	1000	75.7	0.0	0.0	0.0	0.0	51.6	0.4	-0.6	0.0	0.0	8.4	0.0	0.0	16.0
58	597135.89	4855637.65	10.75	0	D	2000	70.9	0.0	0.0	0.0	0.0	51.6	1.0	-1.0	0.0	0.0	10.3	0.0	0.0	8.9
58	597135.89	4855637.65	10.75	0	D	4000	63.9	0.0	0.0	0.0	0.0	51.6	3.5	-1.0	0.0	0.0	12.7	0.0	0.0	-2.9
58	597135.89	4855637.65	10.75	0	D	8000	60.5	0.0	0.0	0.0	0.0	51.6	12.5	-1.0	0.0	0.0	15.3	0.0	0.0	-17.9
65	597135.89	4855637.65	10.75	1	D	4000	63.9	0.0	0.0	0.0	0.0	53.5	4.4	-0.9	0.0	0.0	5.0	0.0	1.0	0.9
65	597135.89	4855637.65	10.75	1	D	8000	60.5	0.0	0.0	0.0	0.0	53.5	15.6	-0.9	0.0	0.0	5.3	0.0	1.0	-13.9

Point Source, ISO 9613, Name: "General Exhaust", ID: "EX2"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	I/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
67	597106.12	4855674.22	9.80	0	D	32	43.7	0.0	0.0	0.0	0.0	49.7	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	-7.8
67	597106.12	4855674.22	9.80	0	D	63	56.7	0.0	0.0	0.0	0.0	49.7	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	5.2
67	597106.12	4855674.22	9.80	0	D	125	71.2	0.0	0.0	0.0	0.0	49.7	0.0	-0.2	0.0	0.0	4.8	0.0	0.0	16.8
67	597106.12	4855674.22	9.80	0	D	250	72.2	0.0	0.0	0.0	0.0	49.7	0.1	3.9	0.0	0.0	1.1	0.0	0.0	17.4
67	597106.12	4855674.22	9.80	0	D	500	72.3	0.0	0.0	0.0	0.0	49.7	0.2	2.5	0.0	0.0	2.6	0.0	0.0	17.4
67	597106.12	4855674.22	9.80	0	D	1000	72.8	0.0	0.0	0.0	0.0	49.7	0.3	-0.4	0.0	0.0	5.4	0.0	0.0	17.8
67	597106.12	4855674.22	9.80	0	D	2000	70.4	0.0	0.0	0.0	0.0	49.7	0.8	-0.9	0.0	0.0	5.9	0.0	0.0	14.8
67	597106.12	4855674.22	9.80	0	D	4000	63.3	0.0	0.0	0.0	0.0	49.7	2.8	-0.9	0.0	0.0	6.7	0.0	0.0	4.9
67	597106.12	4855674.22	9.80	0	D	8000	52.4	0.0	0.0	0.0	0.0	49.7	10.1	-0.9	0.0	0.0	8.1	0.0	0.0	-14.7

Point Source, ISO 9613, Name: "General Exhaust", ID: "EX8"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	I/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
69	597115.02	4855612.50	10.75	0	D	32	43.7	0.0	0.0	0.0	0.0	50.0	0.0	-3.0	0.0	0.0	3.1	0.0	0.0	-6.4
69	597115.02	4855612.50	10.75	0	D	63	56.7	0.0	0.0	0.0	0.0	50.0	0.0	-3.0	0.0	0.0	3.7	0.0	0.0	6.1
69	597115.02	4855612.50	10.75	0	D	125	71.2	0.0	0.0	0.0	0.0	50.0	0.0	-0.3	0.0	0.0	4.2	0.0	0.0	17.3
69	597115.02	4855612.50	10.75	0	D	250	72.2	0.0	0.0	0.0	0.0	50.0	0.1	4.2	0.0	0.0	0.9	0.0	0.0	17.0
69	597115.02	4855612.50	10.75	0	D	500	72.3	0.0	0.0	0.0	0.0	50.0	0.2	2.7	0.0	0.0	2.8	0.0	0.0	16.7
69	597115.02	4855612.50	10.75	0	D	1000	72.8	0.0	0.0	0.0	0.0	50.0	0.3	-0.4	0.0	0.0	6.2	0.0	0.0	16.7
69	597115.02	4855612.50	10.75	0	D	2000	70.4	0.0	0.0	0.0	0.0	50.0	0.9	-0.9	0.0	0.0	7.5	0.0	0.0	12.9
69	597115.02	4855612.50	10.75	0	D	4000	63.3	0.0	0.0	0.0	0.0	50.0	2.9	-0.9	0.0	0.0	9.2	0.0	0.0	2.1
69	597115.02	4855612.50	10.75	0	D	8000	52.4	0.0	0.0	0.0	0.0	50.0	10.4	-0.9	0.0	0.0	11.4	0.0	0.0	-18.6

Point Source, ISO 9613, Name: "General Exhaust", ID: "EX1"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
76	597114.71	4855667.58	9.80	0	D	32	43.7	0.0	0.0	0.0	0.0	50.2	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	-8.3
76	597114.71	4855667.58	9.80	0	D	63	56.7	0.0	0.0	0.0	0.0	50.2	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	4.7
76	597114.71	4855667.58	9.80	0	D	125	71.2	0.0	0.0	0.0	0.0	50.2	0.0	-0.2	0.0	0.0	4.8	0.0	0.0	16.3
76	597114.71	4855667.58	9.80	0	D	250	72.2	0.0	0.0	0.0	0.0	50.2	0.1	3.9	0.0	0.0	0.9	0.0	0.0	17.0
76	597114.71	4855667.58	9.80	0	D	500	72.3	0.0	0.0	0.0	0.0	50.2	0.2	2.6	0.0	0.0	2.3	0.0	0.0	17.1
76	597114.71	4855667.58	9.80	0	D	1000	72.8	0.0	0.0	0.0	0.0	50.2	0.3	-0.4	0.0	0.0	4.9	0.0	0.0	17.7
76	597114.71	4855667.58	9.80	0	D	2000	70.4	0.0	0.0	0.0	0.0	50.2	0.9	-0.8	0.0	0.0	5.0	0.0	0.0	15.1
76	597114.71	4855667.58	9.80	0	D	4000	63.3	0.0	0.0	0.0	0.0	50.2	3.0	-0.8	0.0	0.0	5.2	0.0	0.0	5.7
76	597114.71	4855667.58	9.80	0	D	8000	52.4	0.0	0.0	0.0	0.0	50.2	10.7	-0.8	0.0	0.0	5.7	0.0	0.0	-13.4

Point Source, ISO 9613, Name: "General Exhaust", ID: "EX9"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
78	597123.41	4855605.96	10.75	0	D	32	43.7	0.0	0.0	0.0	0.0	50.9	0.0	-3.0	0.0	0.0	3.1	0.0	0.0	-7.2
78	597123.41	4855605.96	10.75	0	D	63	56.7	0.0	0.0	0.0	0.0	50.9	0.0	-3.0	0.0	0.0	3.6	0.0	0.0	5.2
78	597123.41	4855605.96	10.75	0	D	125	71.2	0.0	0.0	0.0	0.0	50.9	0.0	-0.0	0.0	0.0	4.2	0.0	0.0	16.2
78	597123.41	4855605.96	10.75	0	D	250	72.2	0.0	0.0	0.0	0.0	50.9	0.1	5.0	0.0	0.0	0.1	0.0	0.0	16.1
78	597123.41	4855605.96	10.75	0	D	500	72.3	0.0	0.0	0.0	0.0	50.9	0.2	3.3	0.0	0.0	2.2	0.0	0.0	15.7
78	597123.41	4855605.96	10.75	0	D	1000	72.8	0.0	0.0	0.0	0.0	50.9	0.4	-0.2	0.0	0.0	6.3	0.0	0.0	15.5
78	597123.41	4855605.96	10.75	0	D	2000	70.4	0.0	0.0	0.0	0.0	50.9	1.0	-0.8	0.0	0.0	7.6	0.0	0.0	11.7
78	597123.41	4855605.96	10.75	0	D	4000	63.3	0.0	0.0	0.0	0.0	50.9	3.2	-0.8	0.0	0.0	9.4	0.0	0.0	0.6
78	597123.41	4855605.96	10.75	0	D	8000	52.4	0.0	0.0	0.0	0.0	50.9	11.5	-0.8	0.0	0.0	11.6	0.0	0.0	-20.9

Point Source, ISO 9613, Name: "General Exhaust", ID: "EX10"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
86	597131.70	4855632.47	10.75	0	D	32	43.7	0.0	0.0	0.0	0.0	51.2	0.0	-3.0	0.0	0.0	3.8	0.0	0.0	-8.3
86	597131.70	4855632.47	10.75	0	D	63	56.7	0.0	0.0	0.0	0.0	51.2	0.0	-3.0	0.0	0.0	4.5	0.0	0.0	4.0
86	597131.70	4855632.47	10.75	0	D	125	71.2	0.0	0.0	0.0	0.0	51.2	0.0	-0.5	0.0	0.0	5.2	0.0	0.0	15.2
86	597131.70	4855632.47	10.75	0	D	250	72.2	0.0	0.0	0.0	0.0	51.2	0.1	3.4	0.0	0.0	2.6	0.0	0.0	14.8
86	597131.70	4855632.47	10.75	0	D	500	72.3	0.0	0.0	0.0	0.0	51.2	0.2	2.1	0.0	0.0	5.0	0.0	0.0	13.9
86	597131.70	4855632.47	10.75	0	D	1000	72.8	0.0	0.0	0.0	0.0	51.2	0.4	-0.6	0.0	0.0	8.6	0.0	0.0	13.3
86	597131.70	4855632.47	10.75	0	D	2000	70.4	0.0	0.0	0.0	0.0	51.2	1.0	-1.0	0.0	0.0	10.6	0.0	0.0	8.6
86	597131.70	4855632.47	10.75	0	D	4000	63.3	0.0	0.0	0.0	0.0	51.2	3.4	-1.0	0.0	0.0	13.0	0.0	0.0	-3.2
86	597131.70	4855632.47	10.75	0	D	8000	52.4	0.0	0.0	0.0	0.0	51.2	12.0	-1.0	0.0	0.0	15.7	0.0	0.0	-25.5

Point Source, ISO 9613, Name: "Make-up Air Unit", ID: "MUA3"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
88	597157.16	4855669.90	10.75	0	D	32	55.5	0.0	0.0	0.0	0.0	53.5	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	0.2
88	597157.16	4855669.90	10.75	0	D	63	72.8	0.0	0.0	0.0	0.0	53.5	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	17.5
88	597157.16	4855669.90	10.75	0	D	125	72.6	0.0	0.0	0.0	0.0	53.5	0.1	-0.0	0.0	0.0	4.9	0.0	0.0	14.2
88	597157.16	4855669.90	10.75	0	D	250	71.0	0.0	0.0	0.0	0.0	53.5	0.1	4.4	0.0	0.0	0.6	0.0	0.0	12.4
88	597157.16	4855669.90	10.75	0	D	500	74.3	0.0	0.0	0.0	0.0	53.5	0.3	2.9	0.0	0.0	2.3	0.0	0.0	15.3
88	597157.16	4855669.90	10.75	0	D	1000	75.7	0.0	0.0	0.0	0.0	53.5	0.5	-0.3	0.0	0.0	5.7	0.0	0.0	16.3
88	597157.16	4855669.90	10.75	0	D	2000	70.9	0.0	0.0	0.0	0.0	53.5	1.3	-0.8	0.0	0.0	6.5	0.0	0.0	10.4
88	597157.16	4855669.90	10.75	0	D	4000	63.9	0.0	0.0	0.0	0.0	53.5	4.3	-0.8	0.0	0.0	7.7	0.0	0.0	-0.9
88	597157.16	4855669.90	10.75	0	D	8000	60.5	0.0	0.0	0.0	0.0	53.5	15.5	-0.8	0.0	0.0	9.4	0.0	0.0	-17.1

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC8"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
95	597089.11	4855627.61	10.00	0	D	63	59.8	0.0	0.0	0.0	0.0	46.7	0.0	-3.0	0.0	0.0	2.0	0.0	0.0	14.1
95	597089.11	4855627.61	10.00	0	D	125	69.9	0.0	0.0	0.0	0.0	46.7	0.0	-0.6	0.0	0.0	2.2	0.0	0.0	21.7
95	597089.11	4855627.61	10.00	0	D	250	67.4	0.0	0.0	0.0	0.0	46.7	0.1	2.3	0.0	0.0	1.0	0.0	0.0	17.4
95	597089.11	4855627.61	10.00	0	D	500	65.8	0.0	0.0	0.0	0.0	46.7	0.1	1.3	0.0	0.0	2.0	0.0	0.0	15.7
95	597089.11	4855627.61	10.00	0	D	1000	71.0	0.0	0.0	0.0	0.0	46.7	0.2	-0.7	0.0	0.0	3.5	0.0	0.0	21.4
95	597089.11	4855627.61	10.00	0	D	2000	65.2	0.0	0.0	0.0	0.0	46.7	0.6	-1.1	0.0	0.0	4.0	0.0	0.0	15.0
95	597089.11	4855627.61	10.00	0	D	4000	60.0	0.0	0.0	0.0	0.0	46.7	2.0	-1.1	0.0	0.0	4.6	0.0	0.0	7.8
95	597089.11	4855627.61	10.00	0	D	8000	52.9	0.0	0.0	0.0	0.0	46.7	7.1	-1.1	0.0	0.0	5.1	0.0	0.0	-4.9

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC7"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
97	597093.39	4855633.21	10.00	0	D	63	59.8	0.0	0.0	0.0	0.0	47.2	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	10.8
97	597093.39	4855633.21	10.00	0	D	125	69.9	0.0	0.0	0.0	0.0	47.2	0.0	-0.5	0.0	0.0	4.8	0.0	0.0	18.4
97	597093.39	4855633.21	10.00	0	D	250	67.4	0.0	0.0	0.0	0.0	47.2	0.1	2.7	0.0	0.0	2.0	0.0	0.0	15.4
97	597093.39	4855633.21	10.00	0	D	500	65.8	0.0	0.0	0.0	0.0	47.2	0.1	1.7	0.0	0.0	3.1	0.0	0.0	13.7
97	597093.39	4855633.21	10.00	0	D	1000	71.0	0.0	0.0	0.0	0.0	47.2	0.2	-0.6	0.0	0.0	4.8	0.0	0.0	19.3
97	597093.39	4855633.21	10.00	0	D	2000	65.2	0.0	0.0	0.0	0.0	47.2	0.6	-0.9	0.0	0.0	4.9	0.0	0.0	13.4
97	597093.39	4855633.21	10.00	0	D	4000	60.0	0.0	0.0	0.0	0.0	47.2	2.1	-0.9	0.0	0.0	5.0	0.0	0.0	6.6
97	597093.39	4855633.21	10.00	0	D	8000	52.9	0.0	0.0	0.0	0.0	47.2	7.5	-0.9	0.0	0.0	5.2	0.0	0.0	-6.1
109	597093.39	4855633.21	10.00	1	D	125	69.9	0.0	0.0	0.0	0.0	49.3	0.0	-0.5	0.0	0.0	5.2	0.0	1.0	14.8
109	597093.39	4855633.21	10.00	1	D	250	67.4	0.0	0.0	0.0	0.0	49.3	0.1	3.2	0.0	0.0	2.4	0.0	1.0	11.3
109	597093.39	4855633.21	10.00	1	D	500	65.8	0.0	0.0	0.0	0.0	49.3	0.2	2.0	0.0	0.0	4.3	0.0	1.0	9.0
109	597093.39	4855633.21	10.00	1	D	1000	71.0	0.0	0.0	0.0	0.0	49.3	0.3	-0.6	0.0	0.0	7.5	0.0	1.0	13.5
109	597093.39	4855633.21	10.00	1	D	2000	65.2	0.0	0.0	0.0	0.0	49.3	0.8	-1.0	0.0	0.0	9.1	0.0	1.0	5.9
109	597093.39	4855633.21	10.00	1	D	4000	60.0	0.0	0.0	0.0	0.0	49.3	2.7	-1.0	0.0	0.0	11.3	0.0	1.0	-3.3
109	597093.39	4855633.21	10.00	1	D	8000	52.9	0.0	0.0	0.0	0.0	49.3	9.7	-1.0	0.0	0.0	13.8	0.0	1.0	-19.9
116	597093.39	4855633.21	10.00	1	D	250	67.4	0.0	0.0	0.0	0.0	51.5	0.1	4.3	0.0	0.0	0.0	0.0	1.0	10.5
116	597093.39	4855633.21	10.00	1	D	500	65.8	0.0	0.0	0.0	0.0	51.5	0.2	2.8	0.0	0.0	0.0	0.0	1.0	10.3
116	597093.39	4855633.21	10.00	1	D	1000	71.0	0.0	0.0	0.0	0.0	51.5	0.4	-0.3	0.0	0.0	0.0	0.0	1.0	18.4
116	597093.39	4855633.21	10.00	1	D	2000	65.2	0.0	0.0	0.0	0.0	51.5	1.0	-0.7	0.0	0.0	0.0	0.0	1.0	12.4
116	597093.39	4855633.21	10.00	1	D	4000	60.0	0.0	0.0	0.0	0.0	51.5	3.5	-0.7	0.0	0.0	0.0	0.0	1.0	4.8
116	597093.39	4855633.21	10.00	1	D	8000	52.9	0.0	0.0	0.0	0.0	51.5	12.4	-0.7	0.0	0.0	0.0	0.0	1.0	-11.2

Point Source, ISO 9613, Name: "General Exhaust", ID: "EX11"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
118	597139.96	4855641.67	10.75	0	D	32	43.7	0.0	0.0	0.0	0.0	51.9	0.0	-3.0	0.0	0.0	4.1	0.0	0.0	-9.3
118	597139.96	4855641.67	10.75	0	D	63	56.7	0.0	0.0	0.0	0.0	51.9	0.0	-3.0	0.0	0.0	4.6	0.0	0.0	3.2
118	597139.96	4855641.67	10.75	0	D	125	71.2	0.0	0.0	0.0	0.0	51.9	0.0	-0.3	0.0	0.0	5.1	0.0	0.0	14.5
118	597139.96	4855641.67	10.75	0	D	250	72.2	0.0	0.0	0.0	0.0	51.9	0.1	3.8	0.0	0.0	2.1	0.0	0.0	14.3
118	597139.96	4855641.67	10.75	0	D	500	72.3	0.0	0.0	0.0	0.0	51.9	0.2	2.4	0.0	0.0	4.4	0.0	0.0	13.4
118	597139.96	4855641.67	10.75	0	D	1000	72.8	0.0	0.0	0.0	0.0	51.9	0.4	-0.5	0.0	0.0	8.2	0.0	0.0	12.8
118	597139.96	4855641.67	10.75	0	D	2000	70.4	0.0	0.0	0.0	0.0	51.9	1.1	-1.0	0.0	0.0	10.2	0.0	0.0	8.2
118	597139.96	4855641.67	10.75	0	D	4000	63.3	0.0	0.0	0.0	0.0	51.9	3.6	-1.0	0.0	0.0	12.5	0.0	0.0	-3.8
118	597139.96	4855641.67	10.75	0	D	8000	52.4	0.0	0.0	0.0	0.0	51.9	13.0	-1.0	0.0	0.0	15.2	0.0	0.0	-26.7

Point Source, ISO 9613, Name: "General Exhaust", ID: "EX12"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
139	597145.60	4855650.60	10.75	0	D	32	43.7	0.0	0.0	0.0	0.0	52.4	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	-10.5
139	597145.60	4855650.60	10.75	0	D	63	56.7	0.0	0.0	0.0	0.0	52.4	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	2.5
139	597145.60	4855650.60	10.75	0	D	125	71.2	0.0	0.0	0.0	0.0	52.4	0.0	-0.2	0.0	0.0	4.8	0.0	0.0	14.1
139	597145.60	4855650.60	10.75	0	D	250	72.2	0.0	0.0	0.0	0.0	52.4	0.1	4.1	0.0	0.0	0.8	0.0	0.0	14.8
139	597145.60	4855650.60	10.75	0	D	500	72.3	0.0	0.0	0.0	0.0	52.4	0.2	2.6	0.0	0.0	2.3	0.0	0.0	14.8
139	597145.60	4855650.60	10.75	0	D	1000	72.8	0.0	0.0	0.0	0.0	52.4	0.4	-0.4	0.0	0.0	5.1	0.0	0.0	15.3
139	597145.60	4855650.60	10.75	0	D	2000	70.4	0.0	0.0	0.0	0.0	52.4	1.1	-0.8	0.0	0.0	5.3	0.0	0.0	12.3
139	597145.60	4855650.60	10.75	0	D	4000	63.3	0.0	0.0	0.0	0.0	52.4	3.9	-0.8	0.0	0.0	5.9	0.0	0.0	2.0
139	597145.60	4855650.60	10.75	0	D	8000	52.4	0.0	0.0	0.0	0.0	52.4	13.7	-0.8	0.0	0.0	6.7	0.0	0.0	-19.7

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC9"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
147	597103.62	4855615.65	10.95	0	D	63	60.8	0.0	0.0	0.0	0.0	48.8	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	15.0
147	597103.62	4855615.65	10.95	0	D	125	70.9	0.0	0.0	0.0	0.0	48.8	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	22.3
147	597103.62	4855615.65	10.95	0	D	250	68.4	0.0	0.0	0.0	0.0	48.8	0.1	4.0	0.0	0.0	0.0	0.0	0.0	15.6
147	597103.62	4855615.65	10.95	0	D	500	66.8	0.0	0.0	0.0	0.0	48.8	0.1	2.6	0.0	0.0	0.0	0.0	0.0	15.3
147	597103.62	4855615.65	10.95	0	D	1000	72.0	0.0	0.0	0.0	0.0	48.8	0.3	-0.3	0.0	0.0	0.0	0.0	0.0	23.3
147	597103.62	4855615.65	10.95	0	D	2000	66.2	0.0	0.0	0.0	0.0	48.8	0.7	-0.7	0.0	0.0	0.0	0.0	0.0	17.4
147	597103.62	4855615.65	10.95	0	D	4000	61.0	0.0	0.0	0.0	0.0	48.8	2.5	-0.7	0.0	0.0	0.0	0.0	0.0	10.5
147	597103.62	4855615.65	10.95	0	D	8000	53.9	0.0	0.0	0.0	0.0	48.8	9.0	-0.7	0.0	0.0	0.0	0.0	0.0	-3.1
154	597103.62	4855615.65	10.95	1	D	250	68.4	0.0	0.0	0.0	0.0	52.7	0.1	4.3	0.0	0.0	0.0	0.0	1.0	10.3
154	597103.62	4855615.65	10.95	1	D	500	66.8	0.0	0.0	0.0	0.0	52.7	0.2	2.8	0.0	0.0	0.0	0.0	1.0	10.1
154	597103.62	4855615.65	10.95	1	D	1000	72.0	0.0	0.0	0.0	0.0	52.7	0.4	-0.4	0.0	0.0	0.0	0.0	1.0	18.2
154	597103.62	4855615.65	10.95	1	D	2000	66.2	0.0	0.0	0.0	0.0	52.7	1.2	-0.8	0.0	0.0	0.0	0.0	1.0	12.1

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC9"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
154	597103.62	4855615.65	10.95	1	D	4000	61.0	0.0	0.0	0.0	0.0	52.7	4.0	-0.8	0.0	0.0	0.0	0.0	1.0	4.1
154	597103.62	4855615.65	10.95	1	D	8000	53.9	0.0	0.0	0.0	0.0	52.7	14.3	-0.8	0.0	0.0	0.0	0.0	1.0	-13.2

Point Source, ISO 9613, Name: "General Exhaust", ID: "EX3"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
162	597135.51	4855692.78	10.00	0	D	32	43.7	0.0	0.0	0.0	0.0	52.7	0.0	-3.0	0.0	0.0	3.1	0.0	0.0	-9.1
162	597135.51	4855692.78	10.00	0	D	63	56.7	0.0	0.0	0.0	0.0	52.7	0.0	-3.0	0.0	0.0	3.8	0.0	0.0	3.3
162	597135.51	4855692.78	10.00	0	D	125	71.2	0.0	0.0	0.0	0.0	52.7	0.0	-0.1	0.0	0.0	4.4	0.0	0.0	14.2
162	597135.51	4855692.78	10.00	0	D	250	72.2	0.0	0.0	0.0	0.0	52.7	0.1	4.4	0.0	0.0	1.2	0.0	0.0	13.8
162	597135.51	4855692.78	10.00	0	D	500	72.3	0.0	0.0	0.0	0.0	52.7	0.2	2.8	0.0	0.0	3.6	0.0	0.0	13.1
162	597135.51	4855692.78	10.00	0	D	1000	72.8	0.0	0.0	0.0	0.0	52.7	0.4	-0.4	0.0	0.0	7.6	0.0	0.0	12.5
162	597135.51	4855692.78	10.00	0	D	2000	70.4	0.0	0.0	0.0	0.0	52.7	1.2	-0.9	0.0	0.0	9.5	0.0	0.0	8.0
162	597135.51	4855692.78	10.00	0	D	4000	63.3	0.0	0.0	0.0	0.0	52.7	4.0	-0.9	0.0	0.0	11.7	0.0	0.0	-4.1
162	597135.51	4855692.78	10.00	0	D	8000	52.4	0.0	0.0	0.0	0.0	52.7	14.1	-0.9	0.0	0.0	14.3	0.0	0.0	-27.8
176	597135.51	4855692.78	10.00	1	D	1000	72.8	0.0	0.0	0.0	0.0	54.1	0.5	-0.3	0.0	0.0	6.1	0.0	1.0	11.4
176	597135.51	4855692.78	10.00	1	D	2000	70.4	0.0	0.0	0.0	0.0	54.1	1.4	-0.7	0.0	0.0	7.1	0.0	1.0	7.5
176	597135.51	4855692.78	10.00	1	D	4000	63.3	0.0	0.0	0.0	0.0	54.1	4.7	-0.7	0.0	0.0	8.6	0.0	1.0	-4.3
176	597135.51	4855692.78	10.00	1	D	8000	52.4	0.0	0.0	0.0	0.0	54.1	16.7	-0.7	0.0	0.0	10.7	0.0	1.0	-29.3

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC10"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
178	597108.93	4855621.89	10.95	0	D	63	60.8	0.0	0.0	0.0	0.0	49.2	0.0	-3.0	0.0	0.0	4.9	0.0	0.0	9.8
178	597108.93	4855621.89	10.95	0	D	125	70.9	0.0	0.0	0.0	0.0	49.2	0.0	-0.7	0.0	0.0	4.9	0.0	0.0	17.4
178	597108.93	4855621.89	10.95	0	D	250	68.4	0.0	0.0	0.0	0.0	49.2	0.1	2.9	0.0	0.0	2.2	0.0	0.0	14.0
178	597108.93	4855621.89	10.95	0	D	500	66.8	0.0	0.0	0.0	0.0	49.2	0.2	1.7	0.0	0.0	3.7	0.0	0.0	12.1
178	597108.93	4855621.89	10.95	0	D	1000	72.0	0.0	0.0	0.0	0.0	49.2	0.3	-0.8	0.0	0.0	6.0	0.0	0.0	17.3
178	597108.93	4855621.89	10.95	0	D	2000	66.2	0.0	0.0	0.0	0.0	49.2	0.8	-1.1	0.0	0.0	6.9	0.0	0.0	10.5
178	597108.93	4855621.89	10.95	0	D	4000	61.0	0.0	0.0	0.0	0.0	49.2	2.7	-1.1	0.0	0.0	8.3	0.0	0.0	2.0
178	597108.93	4855621.89	10.95	0	D	8000	53.9	0.0	0.0	0.0	0.0	49.2	9.5	-1.1	0.0	0.0	10.2	0.0	0.0	-13.9

Point Source, ISO 9613, Name: "General Exhaust", ID: "EX4"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
180	597142.51	4855687.27	10.00	0	D	32	43.7	0.0	0.0	0.0	0.0	52.9	0.0	-3.0	0.0	0.0	2.9	0.0	0.0	-9.1
180	597142.51	4855687.27	10.00	0	D	63	56.7	0.0	0.0	0.0	0.0	52.9	0.0	-3.0	0.0	0.0	3.7	0.0	0.0	3.1
180	597142.51	4855687.27	10.00	0	D	125	71.2	0.0	0.0	0.0	0.0	52.9	0.1	-0.2	0.0	0.0	4.4	0.0	0.0	14.0
180	597142.51	4855687.27	10.00	0	D	250	72.2	0.0	0.0	0.0	0.0	52.9	0.1	4.3	0.0	0.0	1.2	0.0	0.0	13.6
180	597142.51	4855687.27	10.00	0	D	500	72.3	0.0	0.0	0.0	0.0	52.9	0.2	2.8	0.0	0.0	3.6	0.0	0.0	12.9
180	597142.51	4855687.27	10.00	0	D	1000	72.8	0.0	0.0	0.0	0.0	52.9	0.5	-0.5	0.0	0.0	7.5	0.0	0.0	12.4
180	597142.51	4855687.27	10.00	0	D	2000	70.4	0.0	0.0	0.0	0.0	52.9	1.2	-1.0	0.0	0.0	9.3	0.0	0.0	7.9
180	597142.51	4855687.27	10.00	0	D	4000	63.3	0.0	0.0	0.0	0.0	52.9	4.1	-1.0	0.0	0.0	11.5	0.0	0.0	-4.2
180	597142.51	4855687.27	10.00	0	D	8000	52.4	0.0	0.0	0.0	0.0	52.9	14.6	-1.0	0.0	0.0	14.1	0.0	0.0	-28.2

Point Source, ISO 9613, Name: "General Exhaust", ID: "EX13"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
182	597151.23	4855674.51	10.75	0	D	32	43.7	0.0	0.0	0.0	0.0	53.2	0.0	-3.0	0.0	0.0	2.3	0.0	0.0	-8.8
182	597151.23	4855674.51	10.75	0	D	63	56.7	0.0	0.0	0.0	0.0	53.2	0.0	-3.0	0.0	0.0	2.7	0.0	0.0	3.8
182	597151.23	4855674.51	10.75	0	D	125	71.2	0.0	0.0	0.0	0.0	53.2	0.1	-0.1	0.0	0.0	3.2	0.0	0.0	14.9
182	597151.23	4855674.51	10.75	0	D	250	72.2	0.0	0.0	0.0	0.0	53.2	0.1	4.4	0.0	0.0	0.2	0.0	0.0	14.3
182	597151.23	4855674.51	10.75	0	D	500	72.3	0.0	0.0	0.0	0.0	53.2	0.2	2.9	0.0	0.0	2.0	0.0	0.0	14.0
182	597151.23	4855674.51	10.75	0	D	1000	72.8	0.0	0.0	0.0	0.0	53.2	0.5	-0.3	0.0	0.0	5.3	0.0	0.0	14.2
182	597151.23	4855674.51	10.75	0	D	2000	70.4	0.0	0.0	0.0	0.0	53.2	1.2	-0.8	0.0	0.0	6.3	0.0	0.0	10.5
182	597151.23	4855674.51	10.75	0	D	4000	63.3	0.0	0.0	0.0	0.0	53.2	4.2	-0.8	0.0	0.0	7.7	0.0	0.0	-0.9
182	597151.23	4855674.51	10.75	0	D	8000	52.4	0.0	0.0	0.0	0.0	53.2	15.0	-0.8	0.0	0.0	9.5	0.0	0.0	-24.6

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC1"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
190	597096.05	4855670.31	9.80	0	D	63	59.8	0.0	0.0	0.0	0.0	48.6	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	14.2
190	597096.05	4855670.31	9.80	0	D	125	69.9	0.0	0.0	0.0	0.0	48.6	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	21.4
190	597096.05	4855670.31	9.80	0	D	250	67.4	0.0	0.0	0.0	0.0	48.6	0.1	3.8	0.0	0.0	0.0	0.0	0.0	15.0

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC1"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
190	597096.05	4855670.31	9.80	0	D	500	65.8	0.0	0.0	0.0	0.0	48.6	0.1	2.4	0.0	0.0	0.0	0.0	0.0	14.6
190	597096.05	4855670.31	9.80	0	D	1000	71.0	0.0	0.0	0.0	0.0	48.6	0.3	-0.3	0.0	0.0	0.0	0.0	0.0	22.4
190	597096.05	4855670.31	9.80	0	D	2000	65.2	0.0	0.0	0.0	0.0	48.6	0.7	-0.7	0.0	0.0	0.0	0.0	0.0	16.6
190	597096.05	4855670.31	9.80	0	D	4000	60.0	0.0	0.0	0.0	0.0	48.6	2.5	-0.7	0.0	0.0	0.0	0.0	0.0	9.7
190	597096.05	4855670.31	9.80	0	D	8000	52.9	0.0	0.0	0.0	0.0	48.6	8.8	-0.7	0.0	0.0	0.0	0.0	0.0	-3.8

Point Source, ISO 9613, Name: "Condenser", ID: "CD1"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
198	597173.37	4855669.66	10.25	0	D	32	46.7	0.0	0.0	0.0	0.0	54.4	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	-9.6
198	597173.37	4855669.66	10.25	0	D	63	57.8	0.0	0.0	0.0	0.0	54.4	0.0	-3.0	0.0	0.0	4.9	0.0	0.0	1.5
198	597173.37	4855669.66	10.25	0	D	125	67.4	0.0	0.0	0.0	0.0	54.4	0.1	-0.0	0.0	0.0	4.9	0.0	0.0	8.0
198	597173.37	4855669.66	10.25	0	D	250	74.4	0.0	0.0	0.0	0.0	54.4	0.2	4.4	0.0	0.0	0.7	0.0	0.0	14.7
198	597173.37	4855669.66	10.25	0	D	500	77.0	0.0	0.0	0.0	0.0	54.4	0.3	2.9	0.0	0.0	2.5	0.0	0.0	16.9
198	597173.37	4855669.66	10.25	0	D	1000	75.5	0.0	0.0	0.0	0.0	54.4	0.5	-0.3	0.0	0.0	6.0	0.0	0.0	14.9
198	597173.37	4855669.66	10.25	0	D	2000	72.2	0.0	0.0	0.0	0.0	54.4	1.4	-0.8	0.0	0.0	6.9	0.0	0.0	10.2
198	597173.37	4855669.66	10.25	0	D	4000	66.1	0.0	0.0	0.0	0.0	54.4	4.9	-0.8	0.0	0.0	8.4	0.0	0.0	-0.8
198	597173.37	4855669.66	10.25	0	D	8000	18.6	0.0	0.0	0.0	0.0	54.4	17.3	-0.8	0.0	0.0	10.3	0.0	0.0	-62.6

Point Source, ISO 9613, Name: "General Exhaust", ID: "EX14"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
206	597156.44	4855682.91	10.75	0	D	32	43.7	0.0	0.0	0.0	0.0	53.7	0.0	-3.0	0.0	0.0	2.9	0.0	0.0	-9.8
206	597156.44	4855682.91	10.75	0	D	63	56.7	0.0	0.0	0.0	0.0	53.7	0.0	-3.0	0.0	0.0	3.4	0.0	0.0	2.6
206	597156.44	4855682.91	10.75	0	D	125	71.2	0.0	0.0	0.0	0.0	53.7	0.1	-0.2	0.0	0.0	4.0	0.0	0.0	13.7
206	597156.44	4855682.91	10.75	0	D	250	72.2	0.0	0.0	0.0	0.0	53.7	0.1	4.4	0.0	0.0	0.6	0.0	0.0	13.4
206	597156.44	4855682.91	10.75	0	D	500	72.3	0.0	0.0	0.0	0.0	53.7	0.3	2.8	0.0	0.0	2.6	0.0	0.0	13.0
206	597156.44	4855682.91	10.75	0	D	1000	72.8	0.0	0.0	0.0	0.0	53.7	0.5	-0.4	0.0	0.0	6.1	0.0	0.0	12.9
206	597156.44	4855682.91	10.75	0	D	2000	70.4	0.0	0.0	0.0	0.0	53.7	1.3	-0.9	0.0	0.0	7.4	0.0	0.0	8.9
206	597156.44	4855682.91	10.75	0	D	4000	63.3	0.0	0.0	0.0	0.0	53.7	4.5	-0.9	0.0	0.0	9.1	0.0	0.0	-3.0
206	597156.44	4855682.91	10.75	0	D	8000	52.4	0.0	0.0	0.0	0.0	53.7	15.9	-0.9	0.0	0.0	11.3	0.0	0.0	-27.6

Point Source, ISO 9613, Name: "General Exhaust", ID: "EX15"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
214	597163.06	4855665.40	10.75	0	D	32	43.7	0.0	0.0	0.0	0.0	53.8	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	-11.8
214	597163.06	4855665.40	10.75	0	D	63	56.7	0.0	0.0	0.0	0.0	53.8	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	1.2
214	597163.06	4855665.40	10.75	0	D	125	71.2	0.0	0.0	0.0	0.0	53.8	0.1	-0.0	0.0	0.0	4.8	0.0	0.0	12.7
214	597163.06	4855665.40	10.75	0	D	250	72.2	0.0	0.0	0.0	0.0	53.8	0.1	4.4	0.0	0.0	0.4	0.0	0.0	13.4
214	597163.06	4855665.40	10.75	0	D	500	72.3	0.0	0.0	0.0	0.0	53.8	0.3	2.9	0.0	0.0	2.0	0.0	0.0	13.4
214	597163.06	4855665.40	10.75	0	D	1000	72.8	0.0	0.0	0.0	0.0	53.8	0.5	-0.3	0.0	0.0	5.0	0.0	0.0	13.8
214	597163.06	4855665.40	10.75	0	D	2000	70.4	0.0	0.0	0.0	0.0	53.8	1.3	-0.8	0.0	0.0	5.3	0.0	0.0	10.8
214	597163.06	4855665.40	10.75	0	D	4000	63.3	0.0	0.0	0.0	0.0	53.8	4.5	-0.8	0.0	0.0	5.7	0.0	0.0	0.1
214	597163.06	4855665.40	10.75	0	D	8000	52.4	0.0	0.0	0.0	0.0	53.8	16.0	-0.8	0.0	0.0	6.5	0.0	0.0	-23.2

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC12"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
228	597115.83	4855606.76	10.95	0	D	63	60.8	0.0	0.0	0.0	0.0	50.2	0.0	-3.0	0.0	0.0	1.9	0.0	0.0	11.7
228	597115.83	4855606.76	10.95	0	D	125	70.9	0.0	0.0	0.0	0.0	50.2	0.0	0.1	0.0	0.0	2.0	0.0	0.0	18.5
228	597115.83	4855606.76	10.95	0	D	250	68.4	0.0	0.0	0.0	0.0	50.2	0.1	5.3	0.0	0.0	0.0	0.0	0.0	12.8
228	597115.83	4855606.76	10.95	0	D	500	66.8	0.0	0.0	0.0	0.0	50.2	0.2	3.6	0.0	0.0	0.2	0.0	0.0	12.7
228	597115.83	4855606.76	10.95	0	D	1000	72.0	0.0	0.0	0.0	0.0	50.2	0.3	-0.0	0.0	0.0	3.2	0.0	0.0	18.3
228	597115.83	4855606.76	10.95	0	D	2000	66.2	0.0	0.0	0.0	0.0	50.2	0.9	-0.6	0.0	0.0	3.7	0.0	0.0	12.0
228	597115.83	4855606.76	10.95	0	D	4000	61.0	0.0	0.0	0.0	0.0	50.2	3.0	-0.6	0.0	0.0	4.2	0.0	0.0	4.1
228	597115.83	4855606.76	10.95	0	D	8000	53.9	0.0	0.0	0.0	0.0	50.2	10.7	-0.6	0.0	0.0	4.7	0.0	0.0	-11.1

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC4"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
236	597105.72	4855663.50	9.80	0	D	63	59.8	0.0	0.0	0.0	0.0	49.2	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	13.5
236	597105.72	4855663.50	9.80	0	D	125	69.9	0.0	0.0	0.0	0.0	49.2	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	20.7
236	597105.72	4855663.50	9.80	0	D	250	67.4	0.0	0.0	0.0	0.0	49.2	0.1	3.9	0.0	0.0	0.0	0.0	0.0	14.2
236	597105.72	4855663.50	9.80	0	D	500	65.8	0.0	0.0	0.0	0.0	49.2	0.2	2.5	0.0	0.0	0.0	0.0	0.0	13.9

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC4"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
236	597105.72	4855663.50	9.80	0	D	1000	71.0	0.0	0.0	0.0	0.0	49.2	0.3	-0.3	0.0	0.0	0.0	0.0	0.0	21.7
236	597105.72	4855663.50	9.80	0	D	2000	65.2	0.0	0.0	0.0	0.0	49.2	0.8	-0.7	0.0	0.0	0.0	0.0	0.0	15.9
236	597105.72	4855663.50	9.80	0	D	4000	60.0	0.0	0.0	0.0	0.0	49.2	2.7	-0.7	0.0	0.0	0.0	0.0	0.0	8.8
236	597105.72	4855663.50	9.80	0	D	8000	52.9	0.0	0.0	0.0	0.0	49.2	9.6	-0.7	0.0	0.0	0.0	0.0	0.0	-5.2

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC2"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
301	597101.31	4855675.90	9.80	0	D	63	59.8	0.0	0.0	0.0	0.0	49.4	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	8.6
301	597101.31	4855675.90	9.80	0	D	125	69.9	0.0	0.0	0.0	0.0	49.4	0.0	-0.1	0.0	0.0	4.8	0.0	0.0	15.8
301	597101.31	4855675.90	9.80	0	D	250	67.4	0.0	0.0	0.0	0.0	49.4	0.1	3.9	0.0	0.0	0.9	0.0	0.0	13.2
301	597101.31	4855675.90	9.80	0	D	500	65.8	0.0	0.0	0.0	0.0	49.4	0.2	2.5	0.0	0.0	2.3	0.0	0.0	11.5
301	597101.31	4855675.90	9.80	0	D	1000	71.0	0.0	0.0	0.0	0.0	49.4	0.3	-0.3	0.0	0.0	4.8	0.0	0.0	16.8
301	597101.31	4855675.90	9.80	0	D	2000	65.2	0.0	0.0	0.0	0.0	49.4	0.8	-0.8	0.0	0.0	4.8	0.0	0.0	10.9
301	597101.31	4855675.90	9.80	0	D	4000	60.0	0.0	0.0	0.0	0.0	49.4	2.7	-0.8	0.0	0.0	4.9	0.0	0.0	3.8
301	597101.31	4855675.90	9.80	0	D	8000	52.9	0.0	0.0	0.0	0.0	49.4	9.7	-0.8	0.0	0.0	5.0	0.0	0.0	-10.4

Point Source, ISO 9613, Name: "General Exhaust", ID: "EX16"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
311	597168.86	4855674.16	10.75	0	D	32	43.7	0.0	0.0	0.0	0.0	54.2	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	-12.3
311	597168.86	4855674.16	10.75	0	D	63	56.7	0.0	0.0	0.0	0.0	54.2	0.0	-3.0	0.0	0.0	4.9	0.0	0.0	0.6
311	597168.86	4855674.16	10.75	0	D	125	71.2	0.0	0.0	0.0	0.0	54.2	0.1	-0.1	0.0	0.0	5.0	0.0	0.0	12.1
311	597168.86	4855674.16	10.75	0	D	250	72.2	0.0	0.0	0.0	0.0	54.2	0.2	4.4	0.0	0.0	0.7	0.0	0.0	12.6
311	597168.86	4855674.16	10.75	0	D	500	72.3	0.0	0.0	0.0	0.0	54.2	0.3	2.9	0.0	0.0	2.6	0.0	0.0	12.3
311	597168.86	4855674.16	10.75	0	D	1000	72.8	0.0	0.0	0.0	0.0	54.2	0.5	-0.3	0.0	0.0	6.2	0.0	0.0	12.2
311	597168.86	4855674.16	10.75	0	D	2000	70.4	0.0	0.0	0.0	0.0	54.2	1.4	-0.8	0.0	0.0	7.3	0.0	0.0	8.4
311	597168.86	4855674.16	10.75	0	D	4000	63.3	0.0	0.0	0.0	0.0	54.2	4.8	-0.8	0.0	0.0	8.8	0.0	0.0	-3.6
311	597168.86	4855674.16	10.75	0	D	8000	52.4	0.0	0.0	0.0	0.0	54.2	16.9	-0.8	0.0	0.0	10.9	0.0	0.0	-28.9

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC11"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
317	597121.06	4855612.66	10.95	0	D	63	60.8	0.0	0.0	0.0	0.0	50.5	0.0	-3.0	0.0	0.0	4.1	0.0	0.0	9.1
317	597121.06	4855612.66	10.95	0	D	125	70.9	0.0	0.0	0.0	0.0	50.5	0.0	-0.4	0.0	0.0	4.6	0.0	0.0	16.1
317	597121.06	4855612.66	10.95	0	D	250	68.4	0.0	0.0	0.0	0.0	50.5	0.1	4.0	0.0	0.0	1.2	0.0	0.0	12.6
317	597121.06	4855612.66	10.95	0	D	500	66.8	0.0	0.0	0.0	0.0	50.5	0.2	2.5	0.0	0.0	3.2	0.0	0.0	10.4
317	597121.06	4855612.66	10.95	0	D	1000	72.0	0.0	0.0	0.0	0.0	50.5	0.3	-0.5	0.0	0.0	6.6	0.0	0.0	15.1
317	597121.06	4855612.66	10.95	0	D	2000	66.2	0.0	0.0	0.0	0.0	50.5	0.9	-1.0	0.0	0.0	7.9	0.0	0.0	7.8
317	597121.06	4855612.66	10.95	0	D	4000	61.0	0.0	0.0	0.0	0.0	50.5	3.1	-1.0	0.0	0.0	9.7	0.0	0.0	-1.4
317	597121.06	4855612.66	10.95	0	D	8000	53.9	0.0	0.0	0.0	0.0	50.5	11.1	-1.0	0.0	0.0	12.0	0.0	0.0	-18.7

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC3"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
322	597110.32	4855669.70	9.80	0	D	63	59.8	0.0	0.0	0.0	0.0	49.9	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	8.1
322	597110.32	4855669.70	9.80	0	D	125	69.9	0.0	0.0	0.0	0.0	49.9	0.0	-0.1	0.0	0.0	4.8	0.0	0.0	15.3
322	597110.32	4855669.70	9.80	0	D	250	67.4	0.0	0.0	0.0	0.0	49.9	0.1	3.9	0.0	0.0	0.9	0.0	0.0	12.6
322	597110.32	4855669.70	9.80	0	D	500	65.8	0.0	0.0	0.0	0.0	49.9	0.2	2.5	0.0	0.0	2.3	0.0	0.0	10.9
322	597110.32	4855669.70	9.80	0	D	1000	71.0	0.0	0.0	0.0	0.0	49.9	0.3	-0.3	0.0	0.0	4.8	0.0	0.0	16.3
322	597110.32	4855669.70	9.80	0	D	2000	65.2	0.0	0.0	0.0	0.0	49.9	0.9	-0.8	0.0	0.0	4.9	0.0	0.0	10.3
322	597110.32	4855669.70	9.80	0	D	4000	60.0	0.0	0.0	0.0	0.0	49.9	2.9	-0.8	0.0	0.0	5.0	0.0	0.0	3.0
322	597110.32	4855669.70	9.80	0	D	8000	52.9	0.0	0.0	0.0	0.0	49.9	10.3	-0.8	0.0	0.0	5.2	0.0	0.0	-11.8

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC13"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
324	597127.16	4855638.99	10.75	0	D	63	59.8	0.0	0.0	0.0	0.0	50.8	0.0	-3.0	0.0	0.0	2.9	0.0	0.0	9.0
324	597127.16	4855638.99	10.75	0	D	125	69.9	0.0	0.0	0.0	0.0	50.8	0.0	-0.3	0.0	0.0	3.9	0.0	0.0	15.4
324	597127.16	4855638.99	10.75	0	D	250	67.4	0.0	0.0	0.0	0.0	50.8	0.1	3.6	0.0	0.0	1.7	0.0	0.0	11.1
324	597127.16	4855638.99	10.75	0	D	500	65.8	0.0	0.0	0.0	0.0	50.8	0.2	2.3	0.0	0.0	3.8	0.0	0.0	8.6
324	597127.16	4855638.99	10.75	0	D	1000	71.0	0.0	0.0	0.0	0.0	50.8	0.4	-0.5	0.0	0.0	7.3	0.0	0.0	13.0
324	597127.16	4855638.99	10.75	0	D	2000	65.2	0.0	0.0	0.0	0.0	50.8	0.9	-0.9	0.0	0.0	9.0	0.0	0.0	5.3
324	597127.16	4855638.99	10.75	0	D	4000	60.0	0.0	0.0	0.0	0.0	50.8	3.2	-0.9	0.0	0.0	11.3	0.0	0.0	-4.4

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC13"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
324	597127.16	4855638.99	10.75	0	D	8000	52.9	0.0	0.0	0.0	0.0	50.8	11.5	-0.9	0.0	0.0	13.8	0.0	0.0	-22.3

Point Source, ISO 9613, Name: "Emergency Generator", ID: "GEN"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
329	597131.55	4855668.13	1.00	0	D	500	79.9	0.0	0.0	0.0	0.0	51.6	0.2	7.1	0.0	0.0	14.4	0.0	0.0	6.6
330	597131.55	4855668.13	1.00	1	D	500	79.9	0.0	0.0	0.0	0.0	52.4	0.2	8.7	0.0	0.0	11.6	0.0	1.0	5.9
344	597131.55	4855668.13	1.00	1	D	500	79.9	0.0	0.0	0.0	0.0	53.3	0.3	8.9	0.0	0.0	10.2	0.0	1.0	6.2

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC16"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
346	597134.97	4855646.40	10.75	0	D	63	59.8	0.0	0.0	0.0	0.0	51.5	0.0	-3.0	0.0	0.0	1.9	0.0	0.0	9.4
346	597134.97	4855646.40	10.75	0	D	125	69.9	0.0	0.0	0.0	0.0	51.5	0.0	-0.1	0.0	0.0	2.0	0.0	0.0	16.4
346	597134.97	4855646.40	10.75	0	D	250	67.4	0.0	0.0	0.0	0.0	51.5	0.1	4.0	0.0	0.0	0.0	0.0	0.0	11.7
346	597134.97	4855646.40	10.75	0	D	500	65.8	0.0	0.0	0.0	0.0	51.5	0.2	2.6	0.0	0.0	1.2	0.0	0.0	10.2
346	597134.97	4855646.40	10.75	0	D	1000	71.0	0.0	0.0	0.0	0.0	51.5	0.4	-0.3	0.0	0.0	2.9	0.0	0.0	16.4
346	597134.97	4855646.40	10.75	0	D	2000	65.2	0.0	0.0	0.0	0.0	51.5	1.0	-0.7	0.0	0.0	3.5	0.0	0.0	9.9
346	597134.97	4855646.40	10.75	0	D	4000	60.0	0.0	0.0	0.0	0.0	51.5	3.5	-0.7	0.0	0.0	4.0	0.0	0.0	1.7
346	597134.97	4855646.40	10.75	0	D	8000	52.9	0.0	0.0	0.0	0.0	51.5	12.4	-0.7	0.0	0.0	4.5	0.0	0.0	-14.9
351	597134.97	4855646.40	10.75	1	D	2000	65.2	0.0	0.0	0.0	0.0	52.9	1.2	-0.8	0.0	0.0	0.0	0.0	1.0	10.9
351	597134.97	4855646.40	10.75	1	D	4000	60.0	0.0	0.0	0.0	0.0	52.9	4.1	-0.8	0.0	0.0	0.0	0.0	1.0	2.8
351	597134.97	4855646.40	10.75	1	D	8000	52.9	0.0	0.0	0.0	0.0	52.9	14.5	-0.8	0.0	0.0	0.0	0.0	1.0	-14.7

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC14"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
359	597140.28	4855630.94	10.75	0	D	63	59.8	0.0	0.0	0.0	0.0	51.9	0.0	-3.0	0.0	0.0	5.2	0.0	0.0	5.6
359	597140.28	4855630.94	10.75	0	D	125	69.9	0.0	0.0	0.0	0.0	51.9	0.0	-0.5	0.0	0.0	5.6	0.0	0.0	12.8
359	597140.28	4855630.94	10.75	0	D	250	67.4	0.0	0.0	0.0	0.0	51.9	0.1	3.4	0.0	0.0	3.0	0.0	0.0	9.0
359	597140.28	4855630.94	10.75	0	D	500	65.8	0.0	0.0	0.0	0.0	51.9	0.2	2.1	0.0	0.0	5.5	0.0	0.0	6.1
359	597140.28	4855630.94	10.75	0	D	1000	71.0	0.0	0.0	0.0	0.0	51.9	0.4	-0.7	0.0	0.0	9.2	0.0	0.0	10.1
359	597140.28	4855630.94	10.75	0	D	2000	65.2	0.0	0.0	0.0	0.0	51.9	1.1	-1.1	0.0	0.0	11.4	0.0	0.0	1.9
359	597140.28	4855630.94	10.75	0	D	4000	60.0	0.0	0.0	0.0	0.0	51.9	3.6	-1.1	0.0	0.0	13.9	0.0	0.0	-8.3
359	597140.28	4855630.94	10.75	0	D	8000	52.9	0.0	0.0	0.0	0.0	51.9	13.0	-1.1	0.0	0.0	16.6	0.0	0.0	-27.5

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC18"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
361	597141.59	4855654.30	10.75	0	D	63	59.8	0.0	0.0	0.0	0.0	52.1	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	5.9
361	597141.59	4855654.30	10.75	0	D	125	69.9	0.0	0.0	0.0	0.0	52.1	0.0	-0.2	0.0	0.0	4.8	0.0	0.0	13.1
361	597141.59	4855654.30	10.75	0	D	250	67.4	0.0	0.0	0.0	0.0	52.1	0.1	4.1	0.0	0.0	0.7	0.0	0.0	10.4
361	597141.59	4855654.30	10.75	0	D	500	65.8	0.0	0.0	0.0	0.0	52.1	0.2	2.7	0.0	0.0	2.1	0.0	0.0	8.7
361	597141.59	4855654.30	10.75	0	D	1000	71.0	0.0	0.0	0.0	0.0	52.1	0.4	-0.3	0.0	0.0	4.8	0.0	0.0	14.0
361	597141.59	4855654.30	10.75	0	D	2000	65.2	0.0	0.0	0.0	0.0	52.1	1.1	-0.8	0.0	0.0	4.8	0.0	0.0	7.9
361	597141.59	4855654.30	10.75	0	D	4000	60.0	0.0	0.0	0.0	0.0	52.1	3.7	-0.8	0.0	0.0	4.9	0.0	0.0	0.1
361	597141.59	4855654.30	10.75	0	D	8000	52.9	0.0	0.0	0.0	0.0	52.1	13.3	-0.8	0.0	0.0	4.9	0.0	0.0	-16.7

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC19"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
365	597150.64	4855681.27	10.95	0	D	63	60.8	0.0	0.0	0.0	0.0	53.3	0.0	-3.0	0.0	0.0	3.5	0.0	0.0	7.0
365	597150.64	4855681.27	10.95	0	D	125	70.9	0.0	0.0	0.0	0.0	53.3	0.1	-0.1	0.0	0.0	4.1	0.0	0.0	13.7
365	597150.64	4855681.27	10.95	0	D	250	68.4	0.0	0.0	0.0	0.0	53.3	0.1	4.4	0.0	0.0	0.5	0.0	0.0	10.1
365	597150.64	4855681.27	10.95	0	D	500	66.8	0.0	0.0	0.0	0.0	53.3	0.3	2.9	0.0	0.0	2.4	0.0	0.0	8.0
365	597150.64	4855681.27	10.95	0	D	1000	72.0	0.0	0.0	0.0	0.0	53.3	0.5	-0.4	0.0	0.0	5.8	0.0	0.0	12.9
365	597150.64	4855681.27	10.95	0	D	2000	66.2	0.0	0.0	0.0	0.0	53.3	1.3	-0.9	0.0	0.0	6.7	0.0	0.0	5.8
365	597150.64	4855681.27	10.95	0	D	4000	61.0	0.0	0.0	0.0	0.0	53.3	4.3	-0.9	0.0	0.0	8.2	0.0	0.0	-3.9
365	597150.64	4855681.27	10.95	0	D	8000	53.9	0.0	0.0	0.0	0.0	53.3	15.2	-0.9	0.0	0.0	10.1	0.0	0.0	-23.8

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC15"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
367	597145.34	4855637.83	10.75	0	D	63	59.8	0.0	0.0	0.0	0.0	52.3	0.0	-3.0	0.0	0.0	4.9	0.0	0.0	5.6

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC15"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	I/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
367	597145.34	4855637.83	10.75	0	D	125	69.9	0.0	0.0	0.0	0.0	52.3	0.0	-0.5	0.0	0.0	5.4	0.0	0.0	12.6
367	597145.34	4855637.83	10.75	0	D	250	67.4	0.0	0.0	0.0	0.0	52.3	0.1	3.6	0.0	0.0	2.6	0.0	0.0	8.8
367	597145.34	4855637.83	10.75	0	D	500	65.8	0.0	0.0	0.0	0.0	52.3	0.2	2.2	0.0	0.0	5.1	0.0	0.0	6.0
367	597145.34	4855637.83	10.75	0	D	1000	71.0	0.0	0.0	0.0	0.0	52.3	0.4	-0.6	0.0	0.0	8.9	0.0	0.0	10.0
367	597145.34	4855637.83	10.75	0	D	2000	65.2	0.0	0.0	0.0	0.0	52.3	1.1	-1.1	0.0	0.0	11.0	0.0	0.0	1.9
367	597145.34	4855637.83	10.75	0	D	4000	60.0	0.0	0.0	0.0	0.0	52.3	3.8	-1.1	0.0	0.0	13.5	0.0	0.0	-8.5
367	597145.34	4855637.83	10.75	0	D	8000	52.9	0.0	0.0	0.0	0.0	52.3	13.6	-1.1	0.0	0.0	16.2	0.0	0.0	-28.1

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC5"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	I/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
370	597136.80	4855686.99	10.00	0	D	63	59.8	0.0	0.0	0.0	0.0	52.5	0.0	-3.0	0.0	0.0	3.7	0.0	0.0	6.5
370	597136.80	4855686.99	10.00	0	D	125	69.9	0.0	0.0	0.0	0.0	52.5	0.0	-0.2	0.0	0.0	4.5	0.0	0.0	13.0
370	597136.80	4855686.99	10.00	0	D	250	67.4	0.0	0.0	0.0	0.0	52.5	0.1	4.3	0.0	0.0	1.2	0.0	0.0	9.3
370	597136.80	4855686.99	10.00	0	D	500	65.8	0.0	0.0	0.0	0.0	52.5	0.2	2.8	0.0	0.0	3.5	0.0	0.0	6.8
370	597136.80	4855686.99	10.00	0	D	1000	71.0	0.0	0.0	0.0	0.0	52.5	0.4	-0.4	0.0	0.0	7.4	0.0	0.0	11.1
370	597136.80	4855686.99	10.00	0	D	2000	65.2	0.0	0.0	0.0	0.0	52.5	1.2	-0.9	0.0	0.0	9.1	0.0	0.0	3.3
370	597136.80	4855686.99	10.00	0	D	4000	60.0	0.0	0.0	0.0	0.0	52.5	3.9	-0.9	0.0	0.0	11.3	0.0	0.0	-6.9
370	597136.80	4855686.99	10.00	0	D	8000	52.9	0.0	0.0	0.0	0.0	52.5	14.0	-0.9	0.0	0.0	13.8	0.0	0.0	-26.5
372	597136.80	4855686.99	10.00	1	D	1000	71.0	0.0	0.0	0.0	0.0	53.7	0.5	-0.3	0.0	0.0	6.0	0.0	1.0	10.1
372	597136.80	4855686.99	10.00	1	D	2000	65.2	0.0	0.0	0.0	0.0	53.7	1.3	-0.7	0.0	0.0	6.9	0.0	1.0	3.0
372	597136.80	4855686.99	10.00	1	D	4000	60.0	0.0	0.0	0.0	0.0	53.7	4.5	-0.7	0.0	0.0	8.3	0.0	1.0	-6.8
372	597136.80	4855686.99	10.00	1	D	8000	52.9	0.0	0.0	0.0	0.0	53.7	16.0	-0.7	0.0	0.0	10.2	0.0	1.0	-27.3
374	597136.80	4855686.99	10.00	1	D	4000	60.0	0.0	0.0	0.0	0.0	53.5	4.4	-0.7	0.0	0.0	9.6	0.0	1.0	-7.7
374	597136.80	4855686.99	10.00	1	D	8000	52.9	0.0	0.0	0.0	0.0	53.5	15.6	-0.7	0.0	0.0	11.8	0.0	1.0	-28.3

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC20"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	I/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
376	597156.45	4855677.17	10.95	0	D	63	60.8	0.0	0.0	0.0	0.0	53.5	0.0	-3.0	0.0	0.0	2.8	0.0	0.0	7.4
376	597156.45	4855677.17	10.95	0	D	125	70.9	0.0	0.0	0.0	0.0	53.5	0.1	-0.1	0.0	0.0	3.3	0.0	0.0	14.1
376	597156.45	4855677.17	10.95	0	D	250	68.4	0.0	0.0	0.0	0.0	53.5	0.1	4.4	0.0	0.0	0.2	0.0	0.0	10.1
376	597156.45	4855677.17	10.95	0	D	500	66.8	0.0	0.0	0.0	0.0	53.5	0.3	2.9	0.0	0.0	2.1	0.0	0.0	8.0
376	597156.45	4855677.17	10.95	0	D	1000	72.0	0.0	0.0	0.0	0.0	53.5	0.5	-0.3	0.0	0.0	5.4	0.0	0.0	12.9
376	597156.45	4855677.17	10.95	0	D	2000	66.2	0.0	0.0	0.0	0.0	53.5	1.3	-0.8	0.0	0.0	6.5	0.0	0.0	5.7
376	597156.45	4855677.17	10.95	0	D	4000	61.0	0.0	0.0	0.0	0.0	53.5	4.4	-0.8	0.0	0.0	7.9	0.0	0.0	-4.0
376	597156.45	4855677.17	10.95	0	D	8000	53.9	0.0	0.0	0.0	0.0	53.5	15.7	-0.8	0.0	0.0	9.8	0.0	0.0	-24.3

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC17"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	I/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
380	597151.92	4855645.48	10.75	0	D	63	59.8	0.0	0.0	0.0	0.0	52.8	0.0	-3.0	0.0	0.0	5.1	0.0	0.0	4.8
380	597151.92	4855645.48	10.75	0	D	125	69.9	0.0	0.0	0.0	0.0	52.8	0.1	-0.3	0.0	0.0	5.5	0.0	0.0	11.8
380	597151.92	4855645.48	10.75	0	D	250	67.4	0.0	0.0	0.0	0.0	52.8	0.1	3.9	0.0	0.0	2.2	0.0	0.0	8.4
380	597151.92	4855645.48	10.75	0	D	500	65.8	0.0	0.0	0.0	0.0	52.8	0.2	2.5	0.0	0.0	4.6	0.0	0.0	5.6
380	597151.92	4855645.48	10.75	0	D	1000	71.0	0.0	0.0	0.0	0.0	52.8	0.5	-0.5	0.0	0.0	8.6	0.0	0.0	9.6
380	597151.92	4855645.48	10.75	0	D	2000	65.2	0.0	0.0	0.0	0.0	52.8	1.2	-0.9	0.0	0.0	10.6	0.0	0.0	1.5
380	597151.92	4855645.48	10.75	0	D	4000	60.0	0.0	0.0	0.0	0.0	52.8	4.0	-0.9	0.0	0.0	13.0	0.0	0.0	-9.0
380	597151.92	4855645.48	10.75	0	D	8000	52.9	0.0	0.0	0.0	0.0	52.8	14.4	-0.9	0.0	0.0	15.7	0.0	0.0	-29.1

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC21"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	I/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
382	597164.13	4855670.91	10.95	0	D	63	60.8	0.0	0.0	0.0	0.0	53.9	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	5.0
382	597164.13	4855670.91	10.95	0	D	125	70.9	0.0	0.0	0.0	0.0	53.9	0.1	-0.1	0.0	0.0	4.9	0.0	0.0	12.1
382	597164.13	4855670.91	10.95	0	D	250	68.4	0.0	0.0	0.0	0.0	53.9	0.1	4.4	0.0	0.0	0.6	0.0	0.0	9.3
382	597164.13	4855670.91	10.95	0	D	500	66.8	0.0	0.0	0.0	0.0	53.9	0.3	2.9	0.0	0.0	2.4	0.0	0.0	7.4
382	597164.13	4855670.91	10.95	0	D	1000	72.0	0.0	0.0	0.0	0.0	53.9	0.5	-0.3	0.0	0.0	5.7	0.0	0.0	12.2
382	597164.13	4855670.91	10.95	0	D	2000	66.2	0.0	0.0	0.0	0.0	53.9	1.3	-0.8	0.0	0.0	6.5	0.0	0.0	5.2
382	597164.13	4855670.91	10.95	0	D	4000	61.0	0.0	0.0	0.0	0.0	53.9	4.6	-0.8	0.0	0.0	7.8	0.0	0.0	-4.4
382	597164.13	4855670.91	10.95	0	D	8000	53.9	0.0	0.0	0.0	0.0	53.9	16.3	-0.8	0.0	0.0	9.5	0.0	0.0	-25.0

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC6"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
385	597141.31	4855693.09	10.00	0	D	63	59.8	0.0	0.0	0.0	0.0	53.0	0.0	-3.0	0.0	0.0	3.5	0.0	0.0	6.2
385	597141.31	4855693.09	10.00	0	D	125	69.9	0.0	0.0	0.0	0.0	53.0	0.1	-0.2	0.0	0.0	4.3	0.0	0.0	12.7
385	597141.31	4855693.09	10.00	0	D	250	67.4	0.0	0.0	0.0	0.0	53.0	0.1	4.3	0.0	0.0	1.3	0.0	0.0	8.7
385	597141.31	4855693.09	10.00	0	D	500	65.8	0.0	0.0	0.0	0.0	53.0	0.2	2.8	0.0	0.0	3.7	0.0	0.0	6.1
385	597141.31	4855693.09	10.00	0	D	1000	71.0	0.0	0.0	0.0	0.0	53.0	0.5	-0.5	0.0	0.0	7.7	0.0	0.0	10.3
385	597141.31	4855693.09	10.00	0	D	2000	65.2	0.0	0.0	0.0	0.0	53.0	1.2	-1.0	0.0	0.0	9.6	0.0	0.0	2.3
385	597141.31	4855693.09	10.00	0	D	4000	60.0	0.0	0.0	0.0	0.0	53.0	4.1	-1.0	0.0	0.0	11.9	0.0	0.0	-8.1
385	597141.31	4855693.09	10.00	0	D	8000	52.9	0.0	0.0	0.0	0.0	53.0	14.7	-1.0	0.0	0.0	14.5	0.0	0.0	-28.4

Point Source, ISO 9613, Name: "HVAC Unit", ID: "HVAC22"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
387	597170.69	4855665.69	10.95	0	D	63	60.8	0.0	0.0	0.0	0.0	54.2	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	4.8
387	597170.69	4855665.69	10.95	0	D	125	70.9	0.0	0.0	0.0	0.0	54.2	0.1	-0.1	0.0	0.0	4.8	0.0	0.0	11.9
387	597170.69	4855665.69	10.95	0	D	250	68.4	0.0	0.0	0.0	0.0	54.2	0.2	4.4	0.0	0.0	0.5	0.0	0.0	9.2
387	597170.69	4855665.69	10.95	0	D	500	66.8	0.0	0.0	0.0	0.0	54.2	0.3	2.9	0.0	0.0	2.1	0.0	0.0	7.3
387	597170.69	4855665.69	10.95	0	D	1000	72.0	0.0	0.0	0.0	0.0	54.2	0.5	-0.3	0.0	0.0	5.2	0.0	0.0	12.4
387	597170.69	4855665.69	10.95	0	D	2000	66.2	0.0	0.0	0.0	0.0	54.2	1.4	-0.8	0.0	0.0	5.6	0.0	0.0	5.9
387	597170.69	4855665.69	10.95	0	D	4000	61.0	0.0	0.0	0.0	0.0	54.2	4.7	-0.8	0.0	0.0	6.2	0.0	0.0	-3.4
387	597170.69	4855665.69	10.95	0	D	8000	53.9	0.0	0.0	0.0	0.0	54.2	16.9	-0.8	0.0	0.0	7.3	0.0	0.0	-23.7